

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
 Data File : BP022935.D
 Acq On : 08 Nov 2024 15:30
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-4 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Nov 08 16:00:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.593	152	52369	20.000	ng	0.00
21) Naphthalene-d8	10.346	136	193788	20.000	ng	0.00
39) Acenaphthene-d10	14.216	164	158856	20.000	ng	0.00
64) Phenanthrene-d10	17.028	188	406037	20.000	ng	0.00
76) Chrysene-d12	21.457	240	491231	20.000	ng	0.00
86) Perylene-d12	24.692	264	597497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	307910	111.582	ng	0.00
7) Phenol-d6	6.793	99	409363	106.374	ng	0.00
23) Nitrobenzene-d5	8.740	82	340472	83.004	ng	0.00
42) 2,4,6-Tribromophenol	15.739	330	363016	117.896	ng	0.00
45) 2-Fluorobiphenyl	12.822	172	899341	80.893	ng	0.00
79) Terphenyl-d14	19.757	244	2163746	82.722	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.181	88	4761	4.321	ng	90
3) Pyridine	3.599	79	9460m	3.127	ng	
4) n-Nitrosodimethylamine	3.499	42	5870m	4.025	ng	
6) Aniline	6.940	93	14747	4.597	ng	96
8) 2-Chlorophenol	7.169	128	10938	3.781	ng	90
9) Benzaldehyde	6.769	77	12324	5.541	ng	96
10) Phenol	6.816	94	14523	3.811	ng	# 77
11) bis(2-Chloroethyl)ether	7.034	93	10244	3.558	ng	94
12) 1,3-Dichlorobenzene	7.481	146	13478	3.651	ng	96
13) 1,4-Dichlorobenzene	7.628	146	13912	3.691	ng	98
14) 1,2-Dichlorobenzene	7.940	146	13494	3.703	ng	95
15) Benzyl Alcohol	7.852	79	7756	2.661	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.105	45	12635	4.044	ng	97
17) 2-Methylphenol	8.052	107	8779	3.393	ng	# 81
18) Hexachloroethane	8.646	117	5234	3.753	ng	90
19) n-Nitroso-di-n-propyla...	8.393	70	9760	3.705	ng	# 94
20) 3+4-Methylphenols	8.393	107	12277	3.395	ng	87
22) Acetophenone	8.416	105	20255	3.927	ng	# 92
24) Nitrobenzene	8.781	77	16763	4.023	ng	98
25) Isophorone	9.299	82	25644	3.694	ng	# 98
26) 2-Nitrophenol	9.499	139	5416	3.165	ng	91
27) 2,4-Dimethylphenol	9.569	122	7508	3.843	ng	95
28) bis(2-Chloroethoxy)met...	9.787	93	14124	3.582	ng	95
29) 2,4-Dichlorophenol	10.046	162	10960	3.241	ng	92
30) 1,2,4-Trichlorobenzene	10.222	180	15845	3.665	ng	95
31) Naphthalene	10.399	128	36501	3.759	ng	99
32) Benzoic acid	9.669	122	6226m	2.654	ng	
33) 4-Chloroaniline	10.540	127	12684	3.670	ng	# 91
34) Hexachlorobutadiene	10.681	225	11174	3.524	ng	92
35) Caprolactam	11.328	113	3185m	3.146	ng	
36) 4-Chloro-3-methylphenol	11.681	107	11409	3.026	ng	94
37) 2-Methylnaphthalene	12.016	142	26444	3.636	ng	98
38) 1-Methylnaphthalene	12.240	142	24558	3.402	ng	# 93
40) 1,2,4,5-Tetrachloroben...	12.387	216	19534	3.632	ng	97
41) Hexachlorocyclopentadiene	12.357	237	4185	2.771	ng	86
43) 2,4,6-Trichlorophenol	12.651	196	10898m	3.186	ng	

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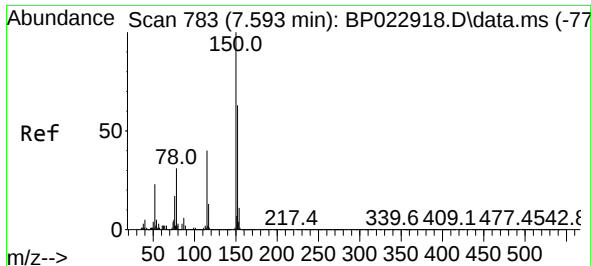
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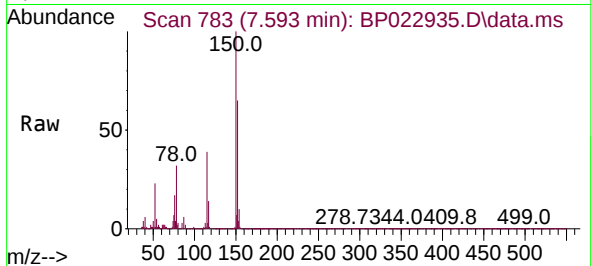
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.745	196	11885	3.052	ng	# 95
46) 1,1'-Biphenyl	13.040	154	40590	3.844	ng	97
47) 2-Chloronaphthalene	13.081	162	31511	3.596	ng	99
48) 2-Nitroaniline	13.322	65	7666	3.002	ng	85
49) Acenaphthylene	13.940	152	46929	3.834	ng	98
50) Dimethylphthalate	13.687	163	43226	3.717	ng	97
51) 2,6-Dinitrotoluene	13.804	165	8327	3.149	ng	# 84
52) Acenaphthene	14.281	154	27908	3.546	ng	97
53) 3-Nitroaniline	14.157	138	6549	3.048	ng	98
54) 2,4-Dinitrophenol	14.416	184	3694m	2.251	ng	
55) Dibenzofuran	14.622	168	50906	3.683	ng	97
56) 4-Nitrophenol	14.551	139	3173m	1.795	ng	
57) 2,4-Dinitrotoluene	14.616	165	11358	2.971	ng	# 91
58) Fluorene	15.281	166	40021	3.485	ng	96
59) 2,3,4,6-Tetrachlorophenol	14.875	232	12600	3.355	ng	98
60) Diethylphthalate	15.063	149	40519	3.503	ng	97
61) 4-Chlorophenyl-phenyle...	15.275	204	24097	3.561	ng	95
62) 4-Nitroaniline	15.339	138	6543m	2.968	ng	
63) Azobenzene	15.575	77	34837	3.502	ng	94
65) 4,6-Dinitro-2-methylph...	15.416	198	6421	2.599	ng	96
66) n-Nitrosodiphenylamine	15.504	169	34963	3.483	ng	97
67) 4-Bromophenyl-phenylether	16.198	248	17034	3.498	ng	95
68) Hexachlorobenzene	16.316	284	22182	3.556	ng	97
69) Atrazine	16.486	200	14684	4.340	ng	89
70) Pentachlorophenol	16.686	266	11066m	2.778	ng	
71) Phenanthrene	17.063	178	72751	3.702	ng	97
72) Anthracene	17.157	178	69447	3.683	ng	99
73) Carbazole	17.451	167	60508	3.359	ng	97
74) Di-n-butylphthalate	18.028	149	61929	3.085	ng	100
75) Fluoranthene	19.175	202	89634	3.288	ng	98
77) Benzidine	19.369	184	41082	4.233	ng	99
78) Pyrene	19.551	202	97202	3.343	ng	99
80) Butylbenzylphthalate	20.498	149	28489	2.874	ng	97
81) Benzo(a)anthracene	21.439	228	109397	3.579	ng	100
82) 3,3'-Dichlorobenzidine	21.374	252	39858	3.221	ng	# 98
83) Chrysene	21.510	228	105767	3.694	ng	99
84) Bis(2-ethylhexyl)phtha...	21.374	149	41169	2.894	ng	98
85) Di-n-octyl phthalate	22.592	149	70294	2.956	ng	# 99
87) Indeno(1,2,3-cd)pyrene	28.362	276	148418	3.683	ng	# 95
88) Benzo(b)fluoranthene	23.674	252	118165m	3.366	ng	
89) Benzo(k)fluoranthene	23.739	252	120907	3.648	ng	98
90) Benzo(a)pyrene	24.539	252	107369	3.575	ng	96
91) Dibenzo(a,h)anthracene	28.421	278	120541	3.647	ng	99
92) Benzo(g,h,i)perylene	29.515	276	113451	3.350	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.593 min Scan# 71
Delta R.T. -0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

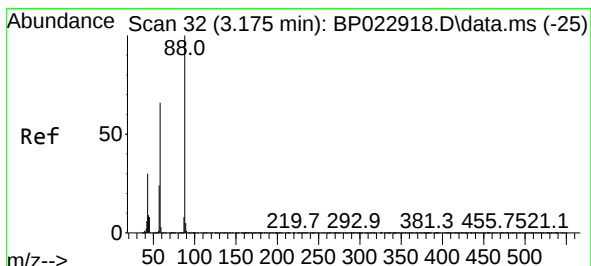
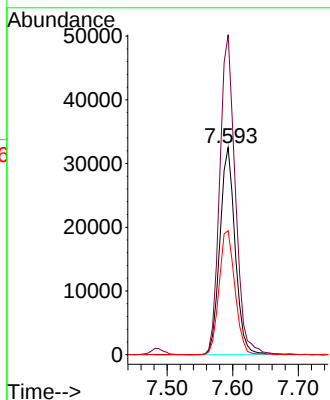
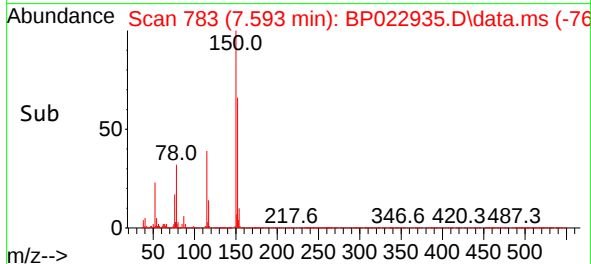
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 152 Resp: 52369
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.4
115 59.9 50.5 75.7

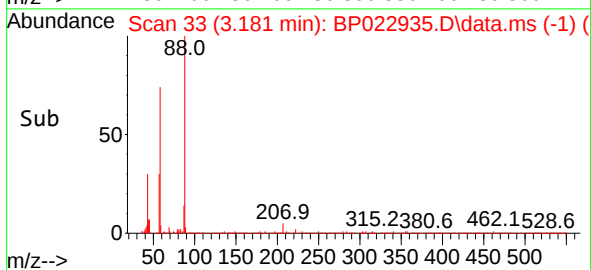
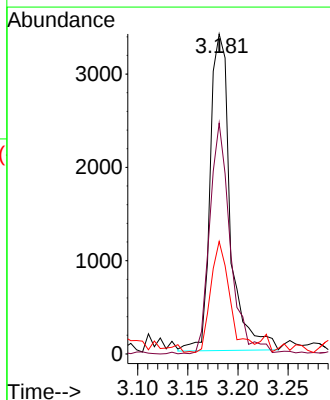
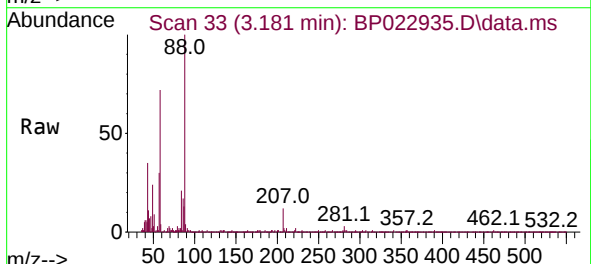
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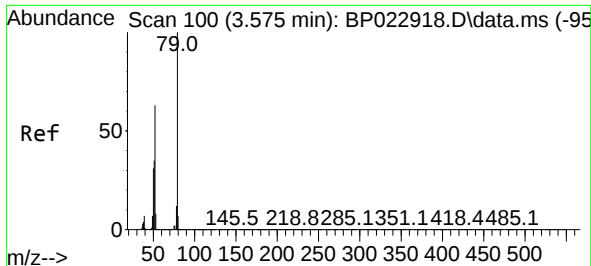
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#2
1,4-Dioxane
Concen: 4.321 ng
RT: 3.181 min Scan# 33
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion: 88 Resp: 4761
Ion Ratio Lower Upper
88 100
58 74.6 52.8 79.2
43 33.4 23.4 35.0





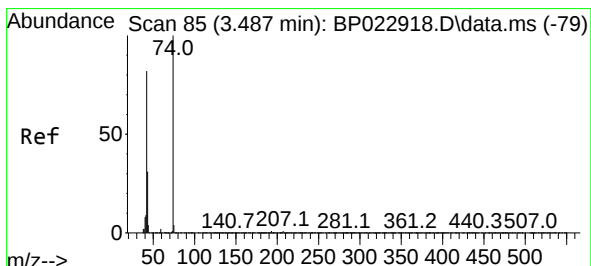
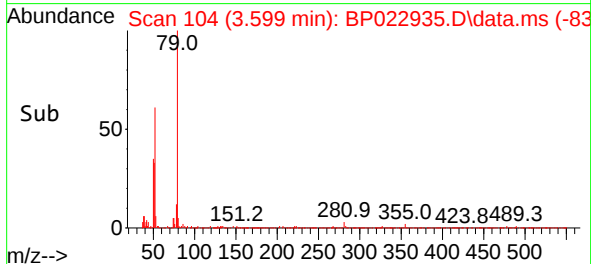
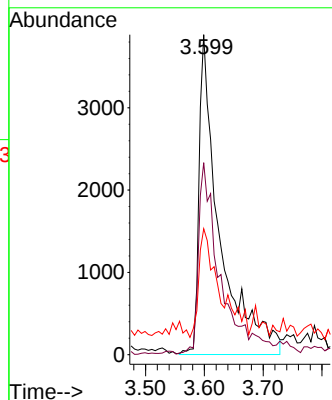
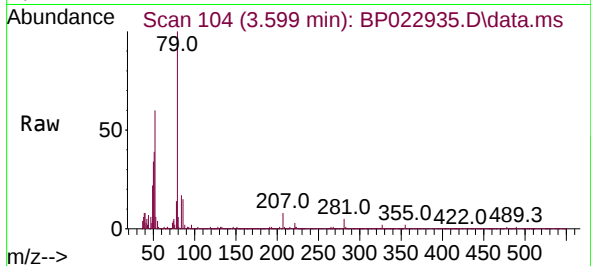
#3
Pyridine
Concen: 3.127 ng m
RT: 3.599 min Scan# 104
Delta R.T. 0.024 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 79 Resp: 9460
Ion Ratio Lower Upper
79 100
52 60.0 50.4 75.6
51 39.4 28.6 43.0

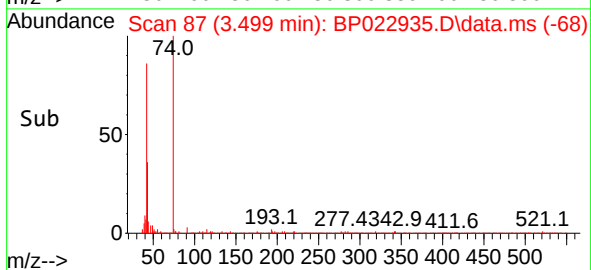
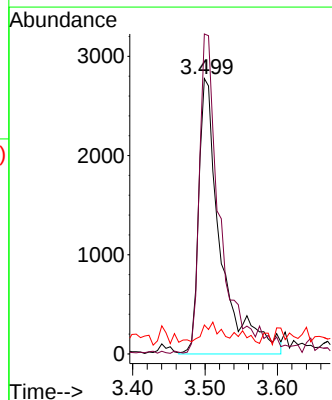
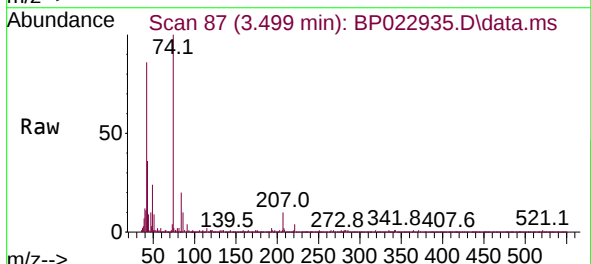
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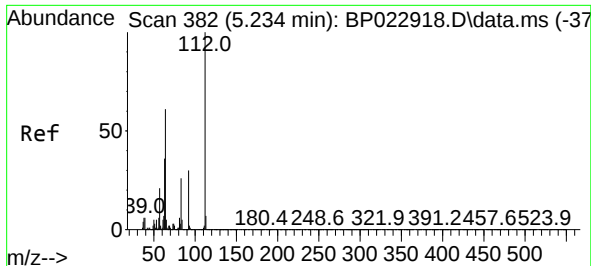
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#4
n-Nitrosodimethylamine
Concen: 4.025 ng m
RT: 3.499 min Scan# 87
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion: 42 Resp: 5870
Ion Ratio Lower Upper
42 100
74 116.2 97.7 146.5
44 10.5 4.5 6.7





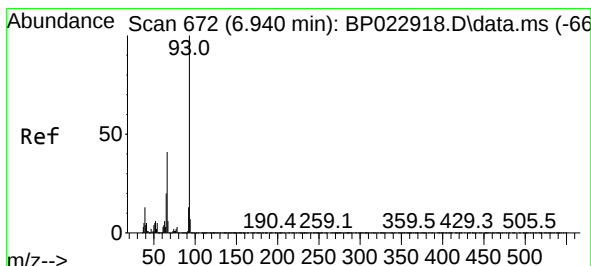
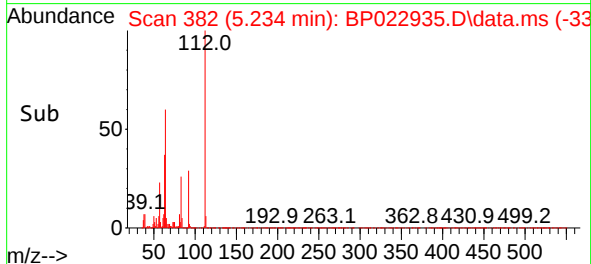
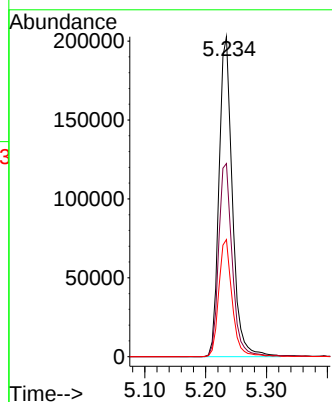
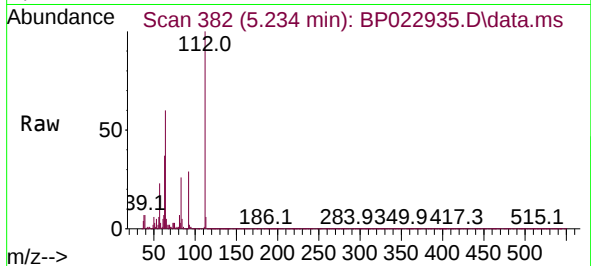
#5
2-Fluorophenol
Concen: 111.582 ng
RT: 5.234 min Scan# 382
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:112 Resp: 307910
Ion Ratio Lower Upper
112 100
64 60.4 48.7 73.1
63 36.6 29.0 43.4

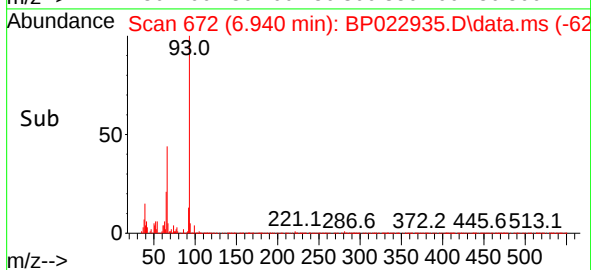
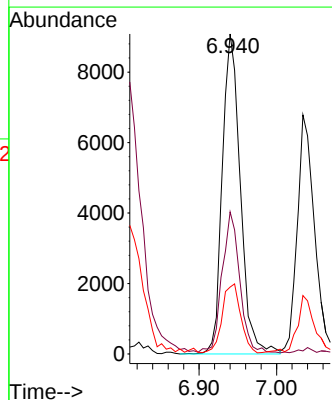
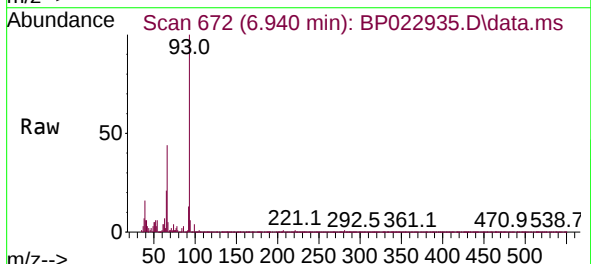
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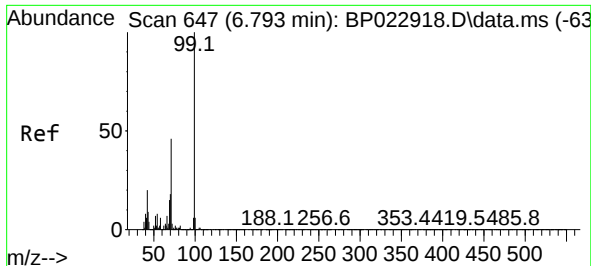
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#6
Aniline
Concen: 4.597 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion: 93 Resp: 14747
Ion Ratio Lower Upper
93 100
66 44.4 32.9 49.3
65 20.9 16.0 24.0





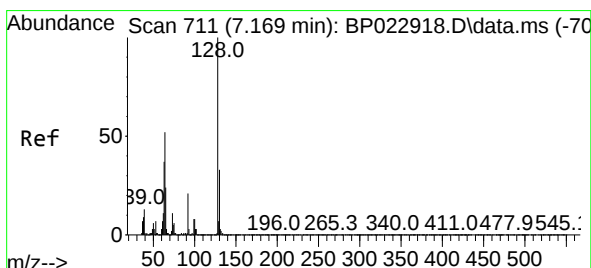
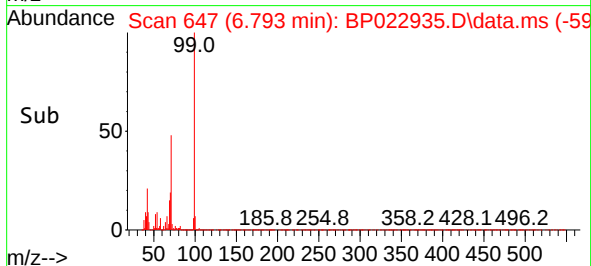
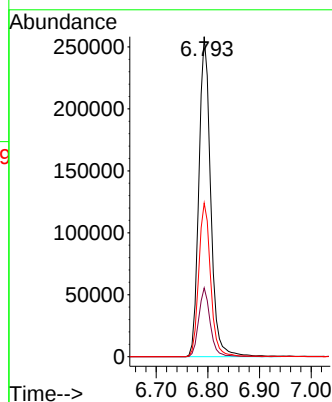
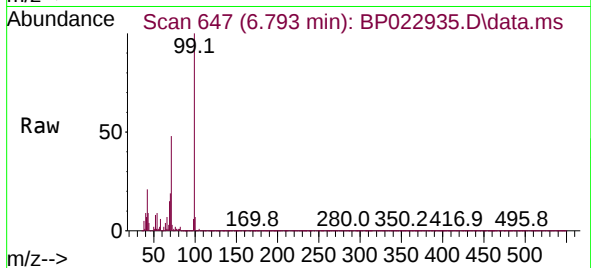
#7
Phenol-d6
Concen: 106.374 ng
RT: 6.793 min Scan# 647
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

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Tgt Ion: 99 Resp: 40936
Ion Ratio Lower Upper
99 100
42 21.5 15.8 23.6
71 48.0 36.6 55.0

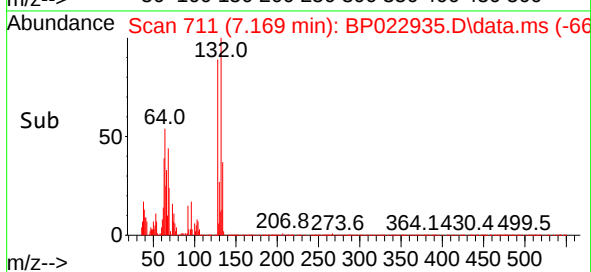
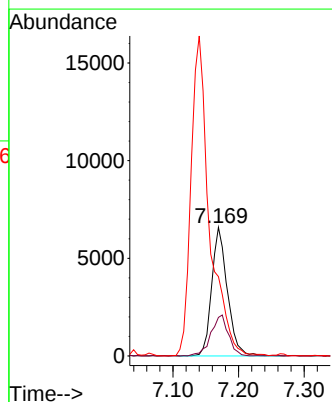
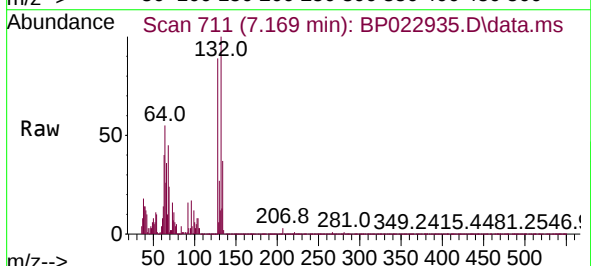
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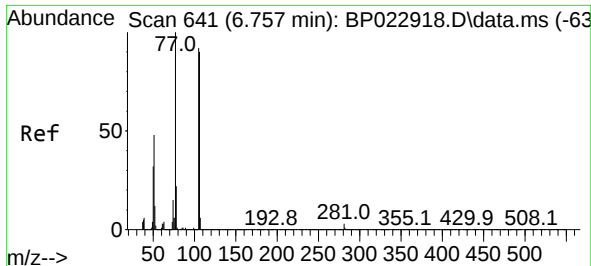
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#8
2-Chlorophenol
Concen: 3.781 ng
RT: 7.169 min Scan# 711
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:128 Resp: 10938
Ion Ratio Lower Upper
128 100
130 29.9 12.6 52.6
64 61.7 32.7 72.7





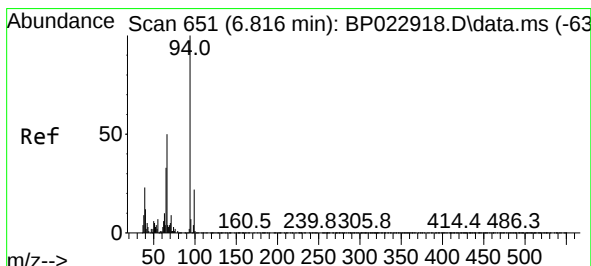
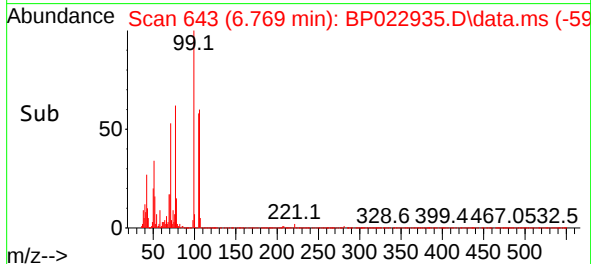
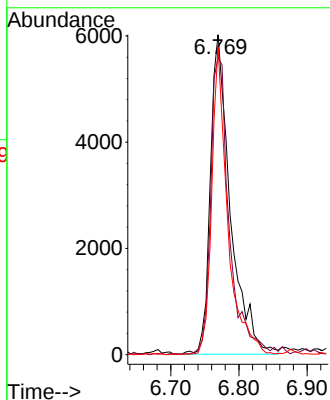
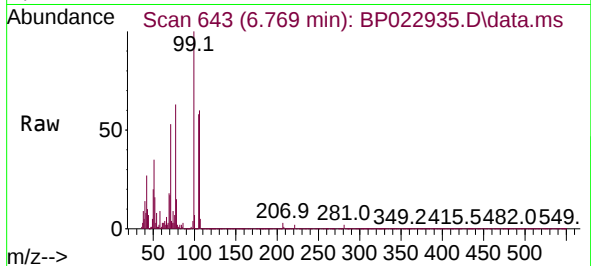
#9
Benzaldehyde
Concen: 5.541 ng
RT: 6.769 min Scan# 641
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
77	100		
105	93.0	71.4	111.4
106	96.1	69.9	109.9

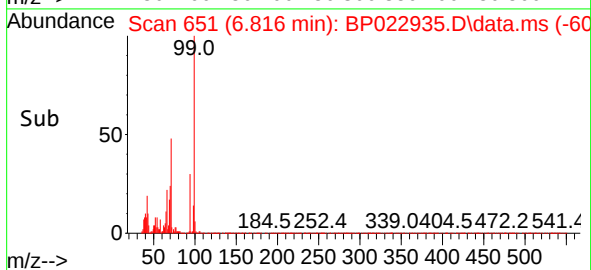
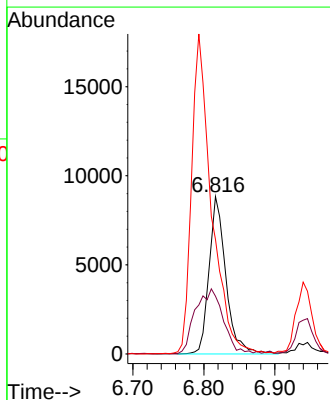
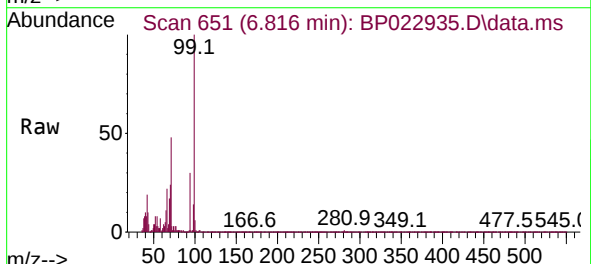
Manual Integrations
APPROVED

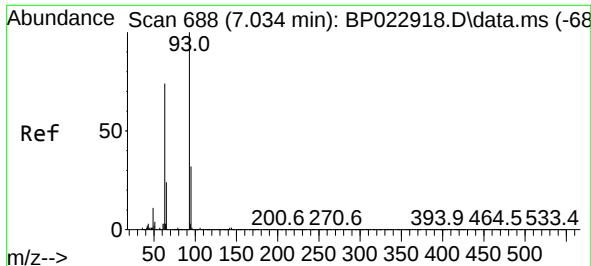
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#10
Phenol
Concen: 3.811 ng
RT: 6.816 min Scan# 651
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

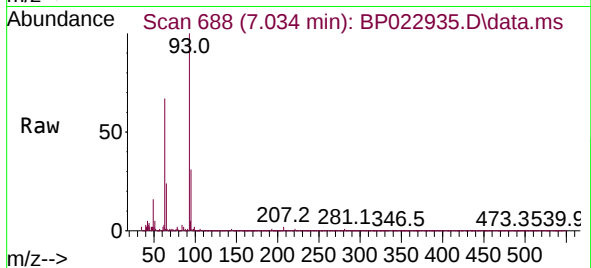
Tgt Ion	Ratio	Lower	Upper
94	100		
65	36.7	12.9	52.9
66	72.8	30.0	70.0





#11
bis(2-Chloroethyl)ether
Concen: 3.558 ng
RT: 7.034 min Scan# 688
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

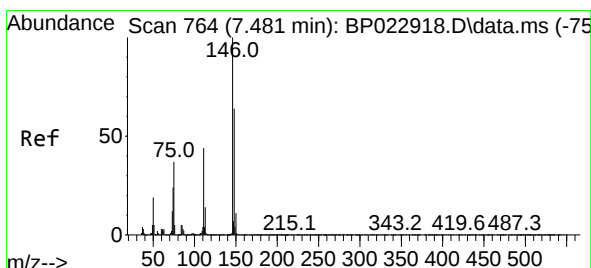
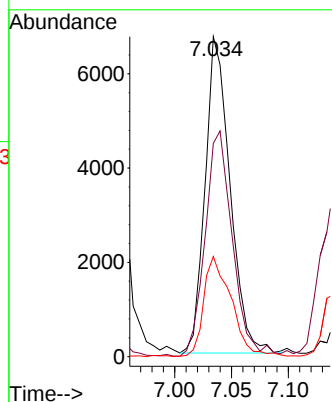
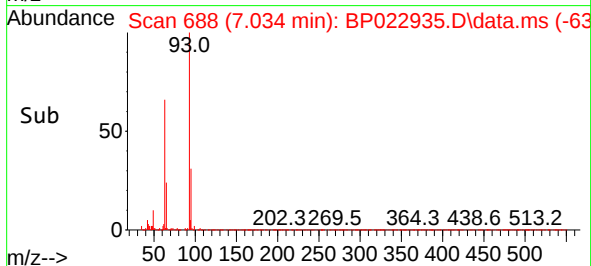
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 93 Resp: 10244
Ion Ratio Lower Upper
93 100
63 66.6 53.6 93.6
95 31.3 12.1 52.1

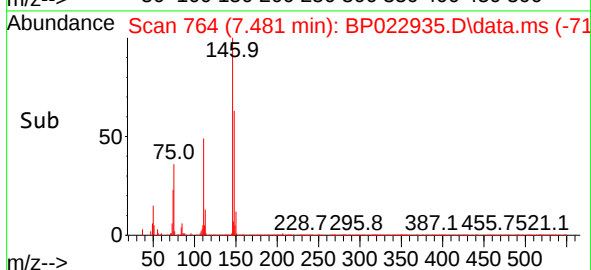
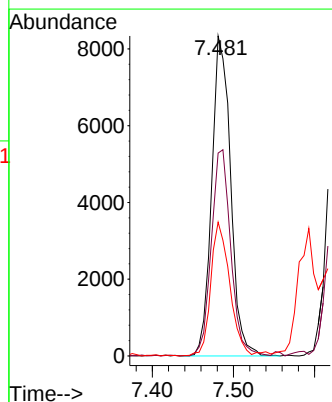
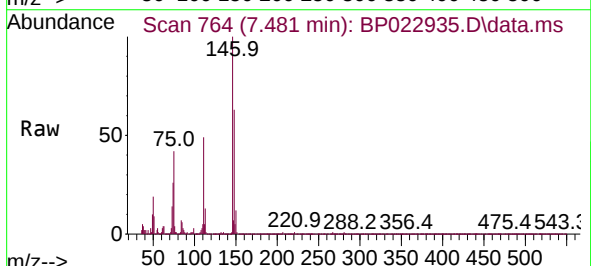
Manual Integrations
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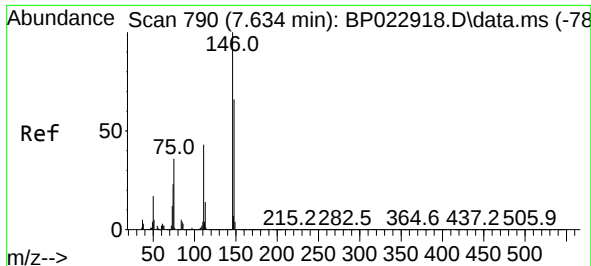
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#12
1,3-Dichlorobenzene
Concen: 3.651 ng
RT: 7.481 min Scan# 764
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:146 Resp: 13478
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.0
75 41.8 29.3 43.9





#13

1,4-Dichlorobenzene

Concen: 3.691 ng

RT: 7.628 min Scan# 790

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

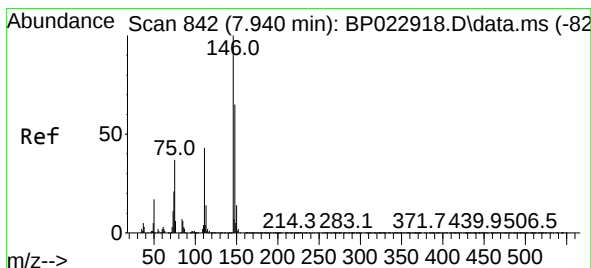
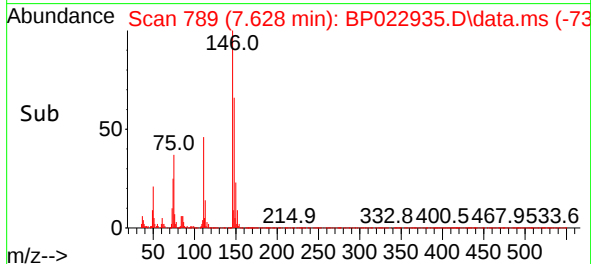
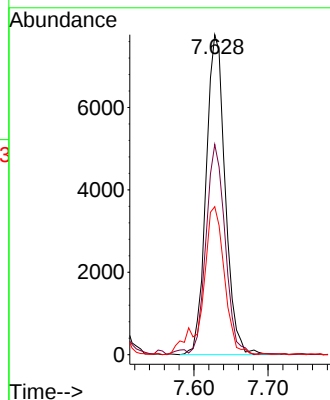
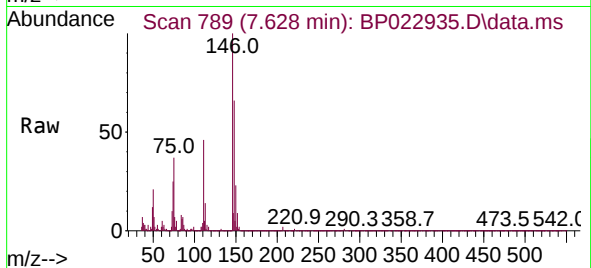
Tgt Ion:	146	Resp:	1391
Ion Ratio	Lower	Upper	
146	100		
148	65.7	53.2	79.8
111	46.2	35.0	52.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#14

1,2-Dichlorobenzene

Concen: 3.703 ng

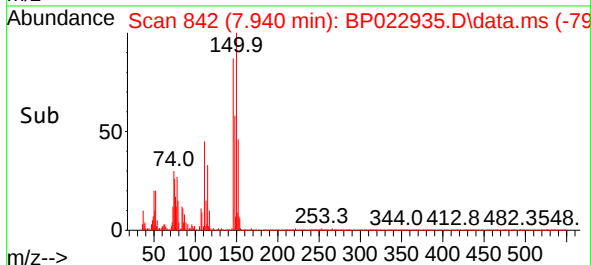
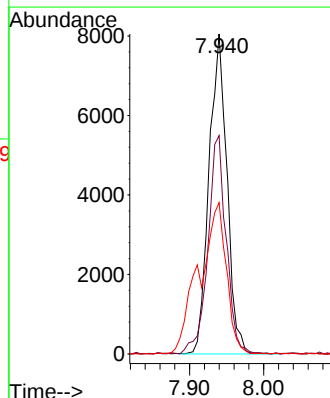
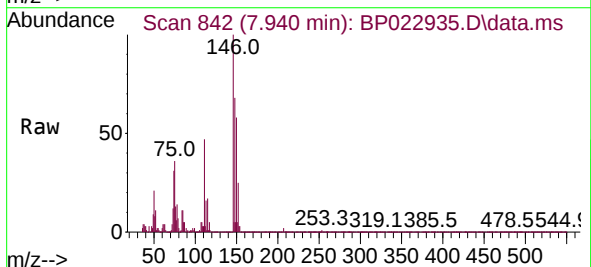
RT: 7.940 min Scan# 842

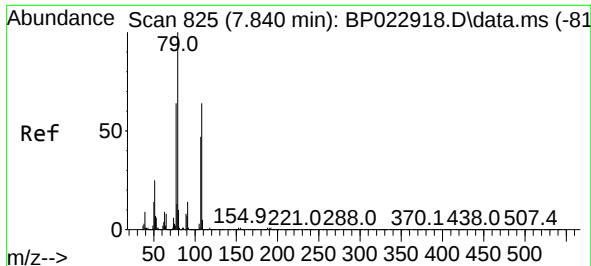
Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

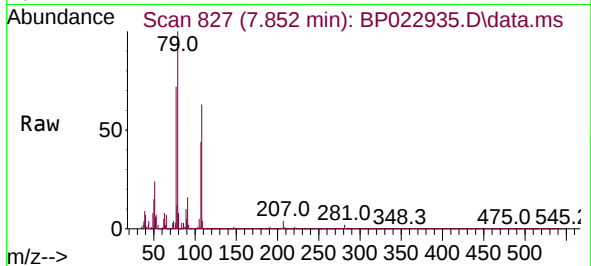
Tgt Ion:	146	Resp:	13494
Ion Ratio	Lower	Upper	
146	100		
148	68.3	52.4	78.6
111	47.3	34.2	51.4





#15
Benzyl Alcohol
Concen: 2.661 ng
RT: 7.852 min Scan# 81
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

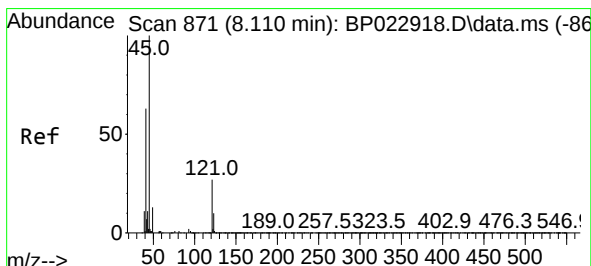
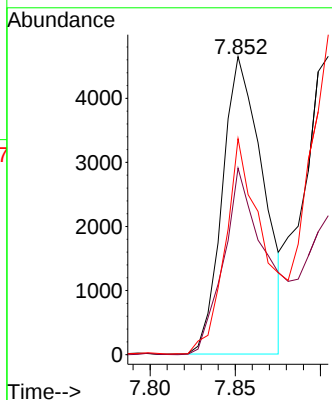
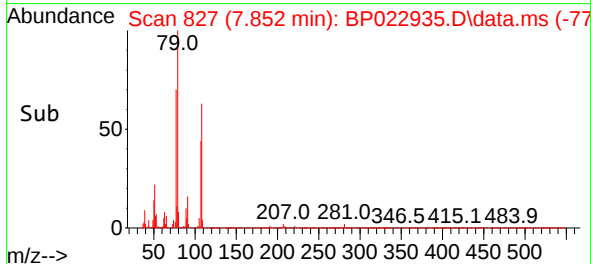
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



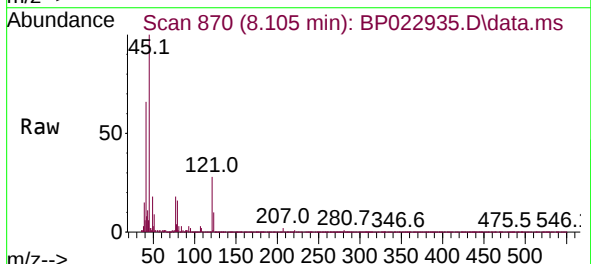
Tgt Ion: 79 Resp: 7750
Ion Ratio Lower Upper
79 100
108 62.6 51.2 76.8
77 72.5 51.3 76.9

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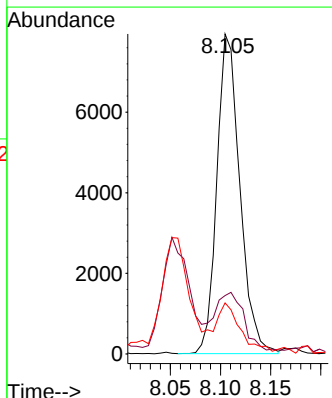
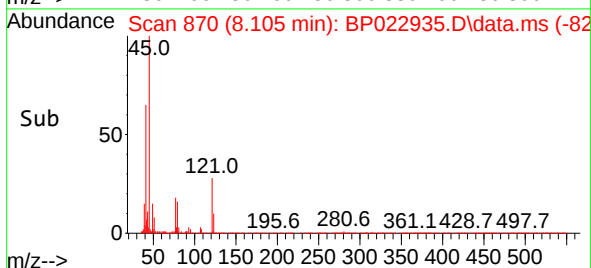
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

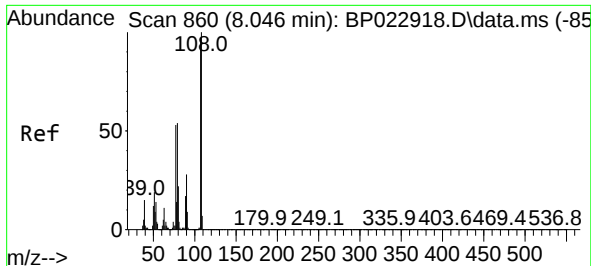


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.044 ng
RT: 8.105 min Scan# 870
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30



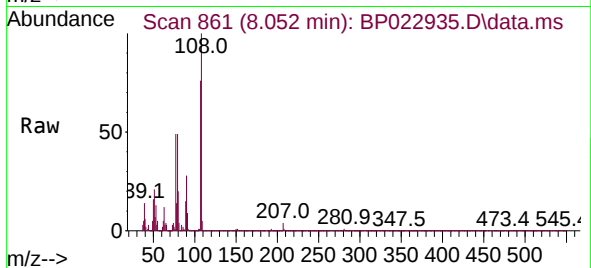
Tgt Ion: 45 Resp: 12635
Ion Ratio Lower Upper
45 100
77 18.3 0.0 39.5
79 16.0 0.0 34.9





#17
2-Methylphenol
Concen: 3.393 ng
RT: 8.052 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

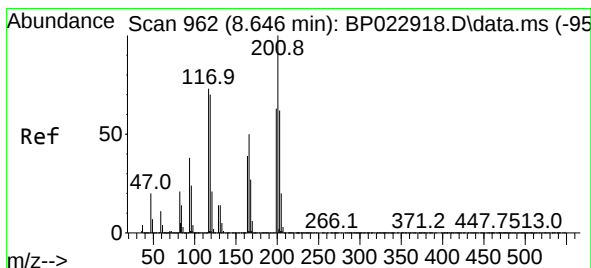
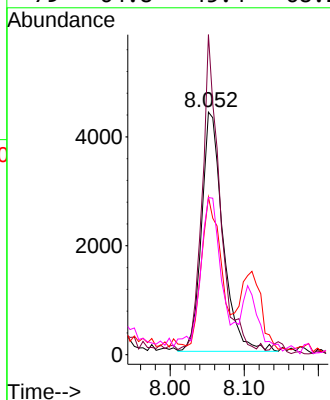
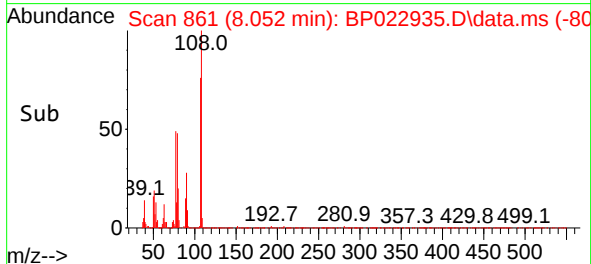
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



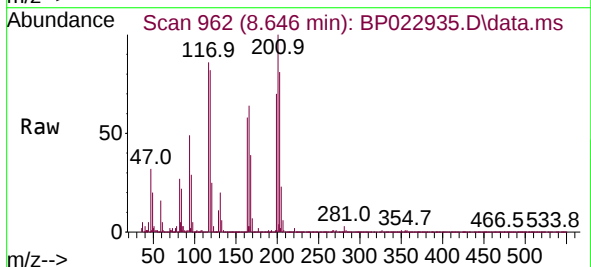
Tgt Ion:107 Resp: 8779
Ion Ratio Lower Upper
107 100
108 132.0 83.7 125.5
77 65.0 45.0 67.4
79 64.8 45.4 68.2

Manual Integrations
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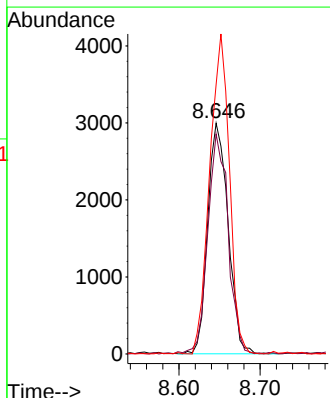
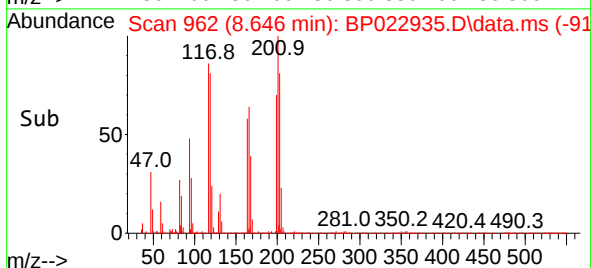
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

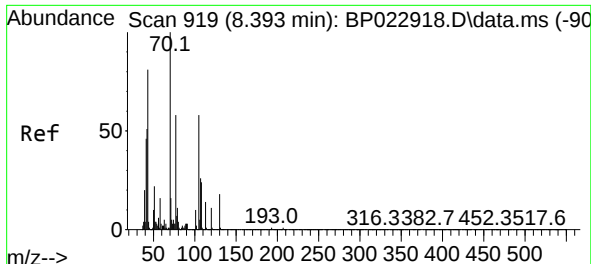


#18
Hexachloroethane
Concen: 3.753 ng
RT: 8.646 min Scan# 962
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30



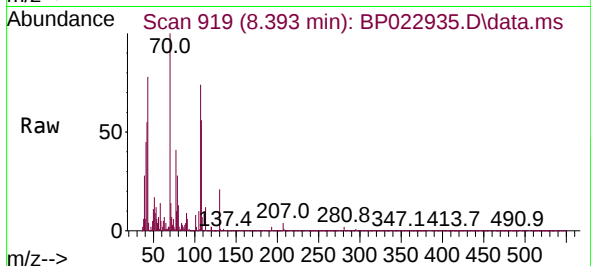
Tgt Ion:117 Resp: 5234
Ion Ratio Lower Upper
117 100
119 95.4 76.7 115.1
201 116.8 110.0 165.0





#19
n-Nitroso-di-n-propylamine
Concen: 3.705 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

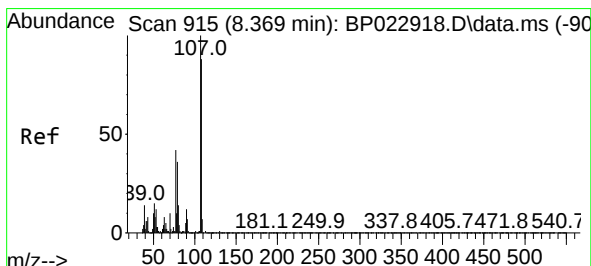
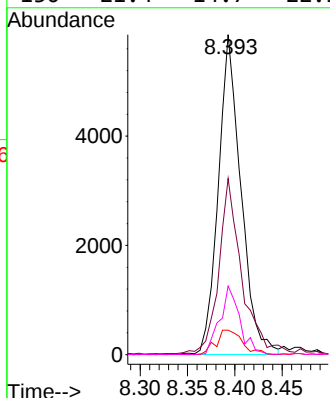
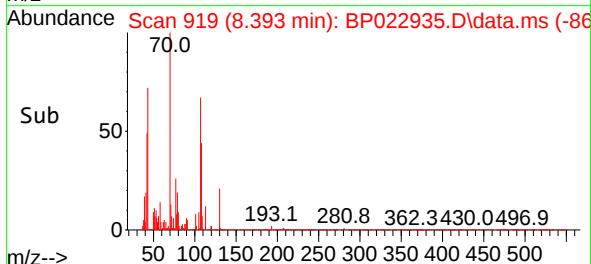
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:	70	Resp:	9760
Ion Ratio	100	Lower	Upper
70	100		
42	55.0	41.0	61.6
101	7.6	7.8	11.6
130	21.4	14.7	22.1

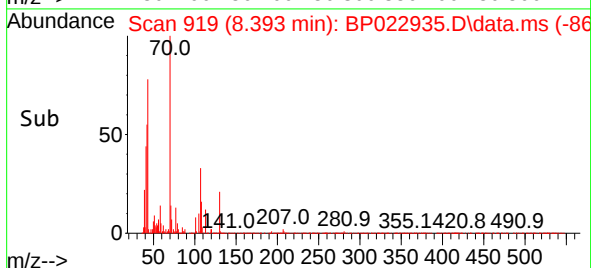
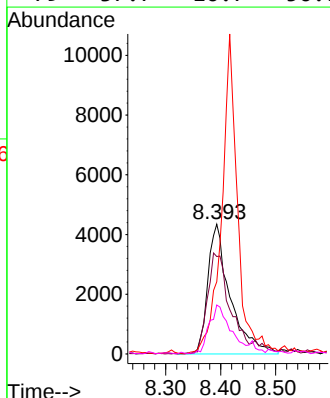
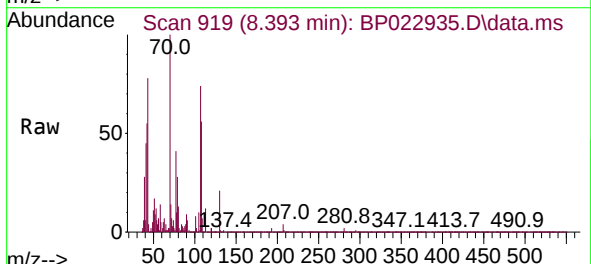
Manual Integrations
APPROVED

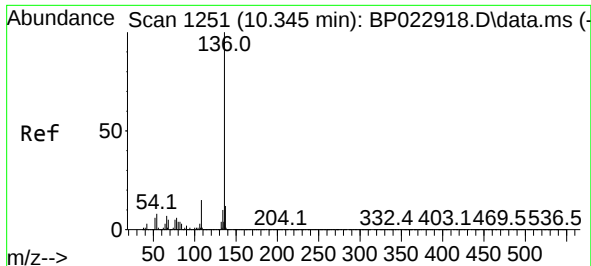
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#20
3+4-Methylphenols
Concen: 3.395 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.024 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

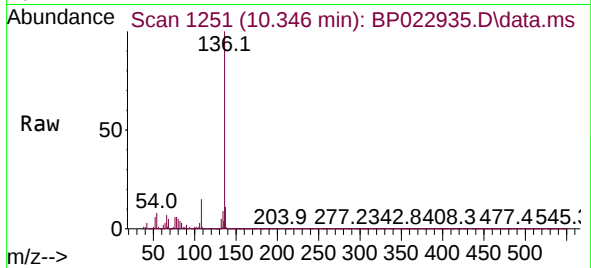
Tgt Ion:	107	Resp:	12277
Ion Ratio	100	Lower	Upper
107	100		
108	75.1	67.6	107.6
77	55.6	22.6	62.6
79	37.7	16.7	56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.346 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

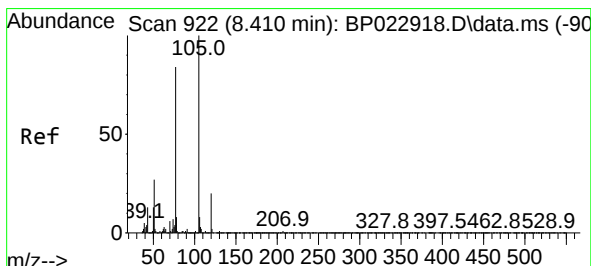
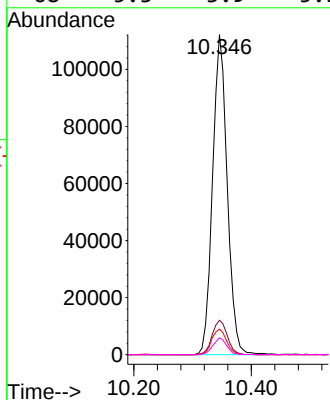
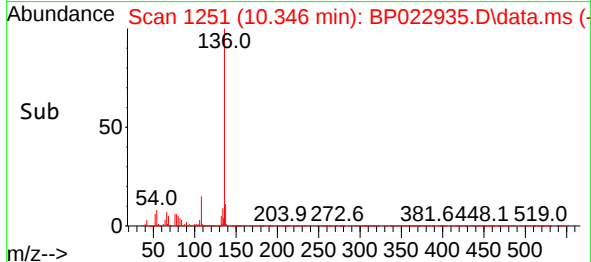
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:	136	Resp:	19378
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.4	14.0
54	8.0	6.4	9.6
68	5.3	3.9	5.9

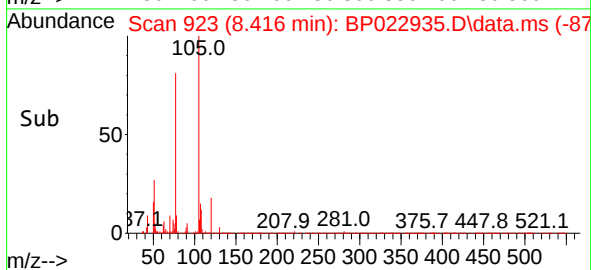
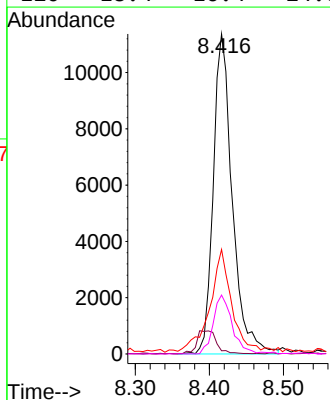
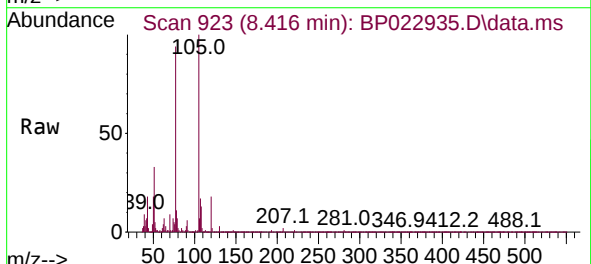
Manual Integrations
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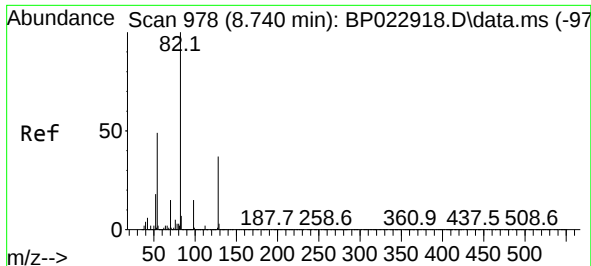
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#22
Acetophenone
Concen: 3.927 ng
RT: 8.416 min Scan# 923
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

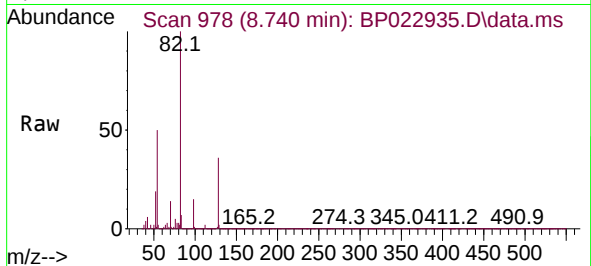
Tgt Ion:	105	Resp:	20255
Ion Ratio	Lower	Upper	
105	100		
71	1.0	0.7	1.1
51	32.7	21.7	32.5
120	18.4	16.4	24.6





#23
Nitrobenzene-d5
Concen: 83.004 ng
RT: 8.740 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

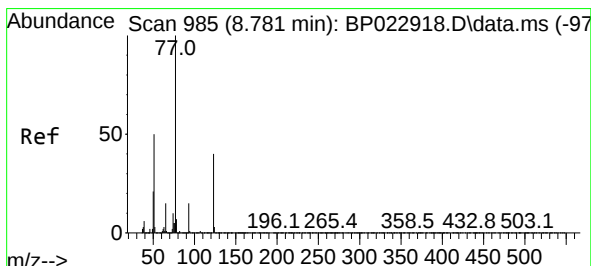
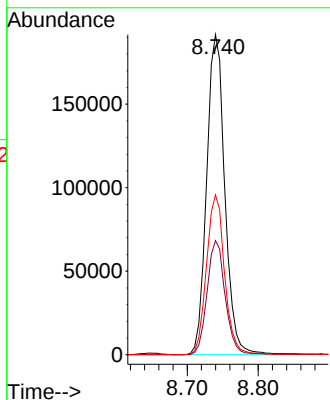
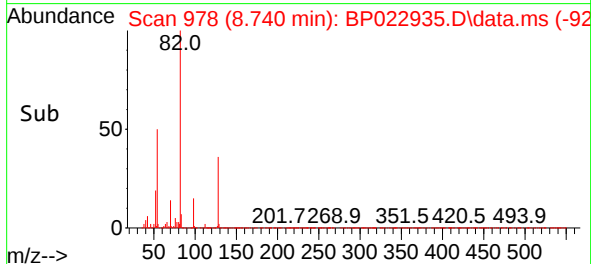
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 82 Resp: 340472
Ion Ratio Lower Upper
82 100
128 35.7 29.8 44.8
54 50.0 39.0 58.4

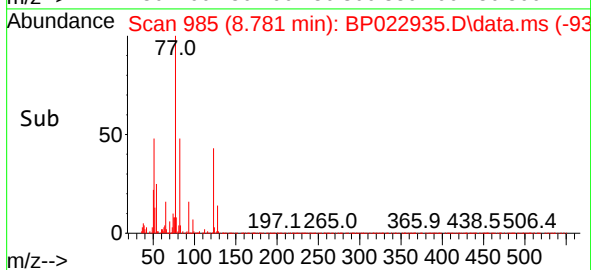
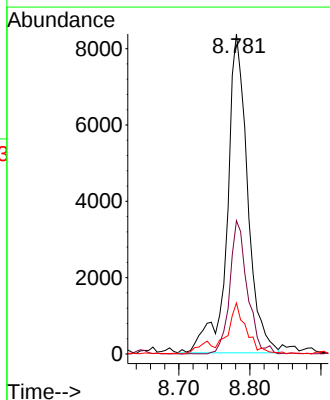
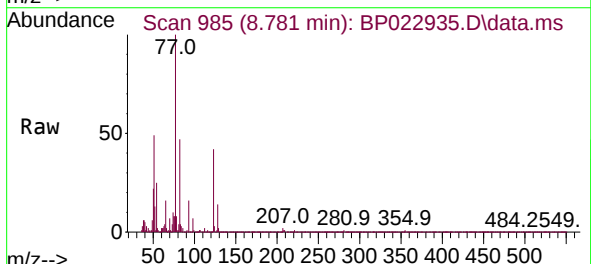
Manual Integrations
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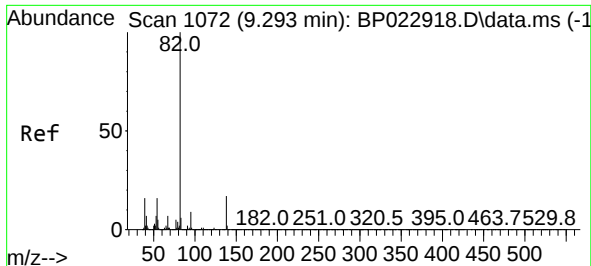
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#24
Nitrobenzene
Concen: 4.023 ng
RT: 8.781 min Scan# 985
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion: 77 Resp: 16763
Ion Ratio Lower Upper
77 100
123 41.6 32.2 48.4
65 15.9 11.7 17.5





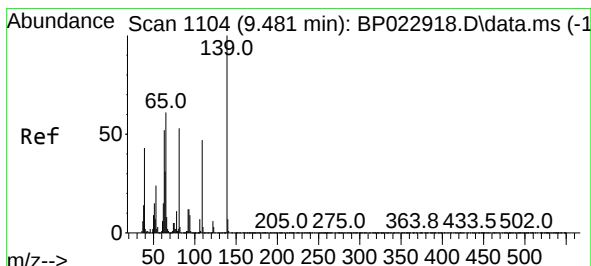
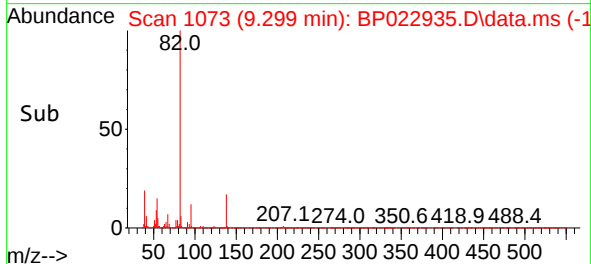
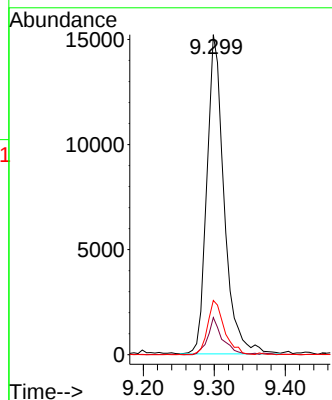
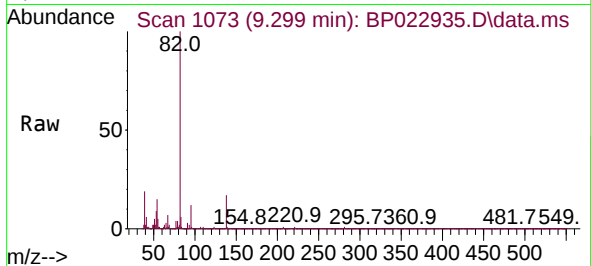
#25
Isophorone
Concen: 3.694 ng
RT: 9.299 min Scan# 1107
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 82 Resp: 2564
Ion Ratio Lower Upper
82 100
95 11.6 7.4 11.2
138 16.9 13.7 20.5

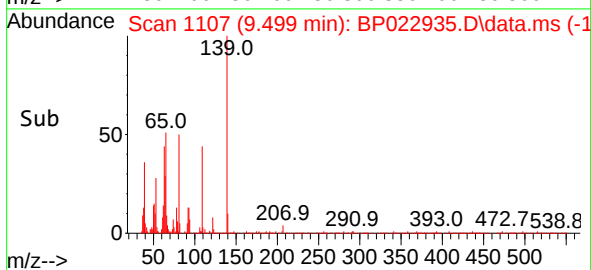
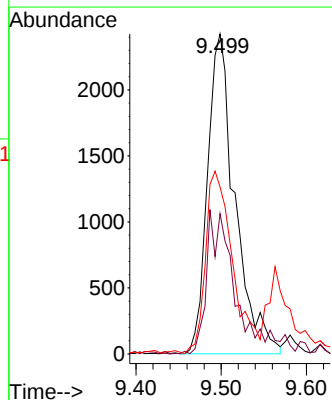
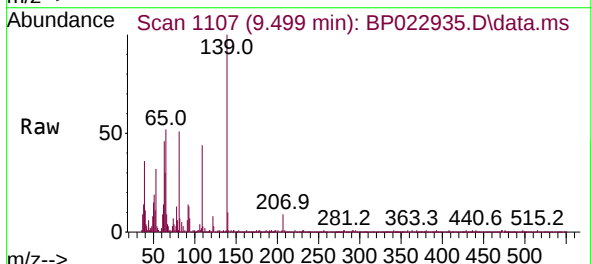
Manual Integrations
APPROVED

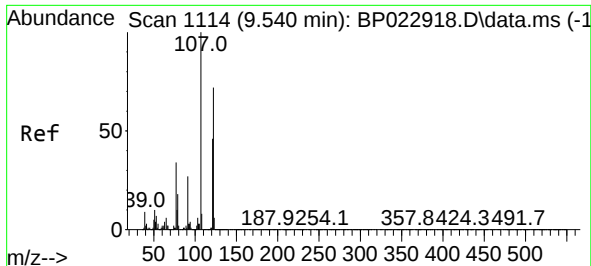
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#26
2-Nitrophenol
Concen: 3.165 ng
RT: 9.499 min Scan# 1107
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

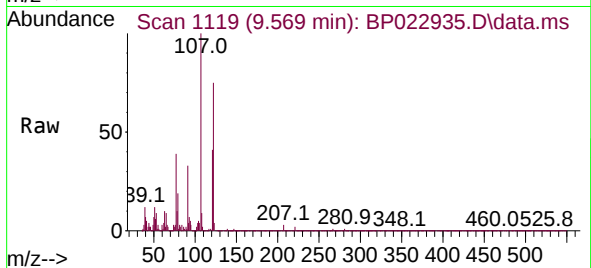
Tgt Ion:139 Resp: 5416
Ion Ratio Lower Upper
139 100
109 43.9 37.8 56.8
65 52.2 48.6 73.0





#27
2,4-Dimethylphenol
Concen: 3.843 ng
RT: 9.569 min Scan# 1119
Delta R.T. 0.030 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

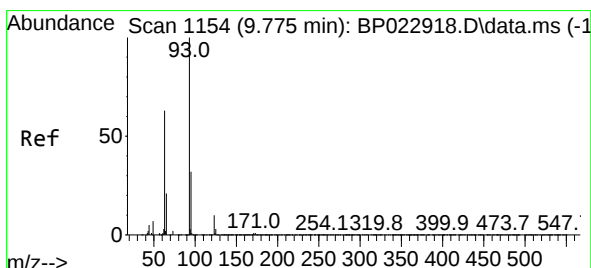
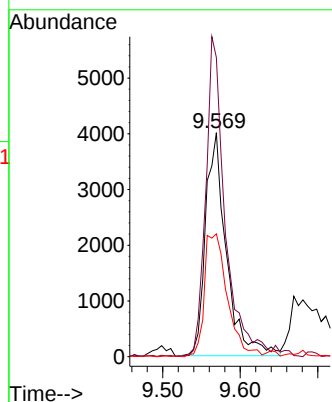
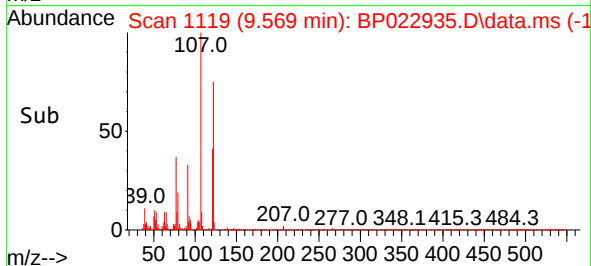
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



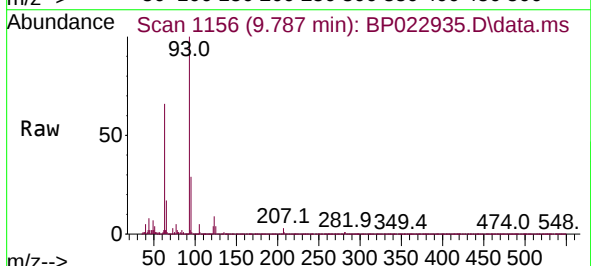
Tgt Ion: 122 Resp: 7508
Ion Ratio Lower Upper
122 100
107 133.6 109.8 164.6
121 54.8 50.5 75.7

Manual Integrations
APPROVED

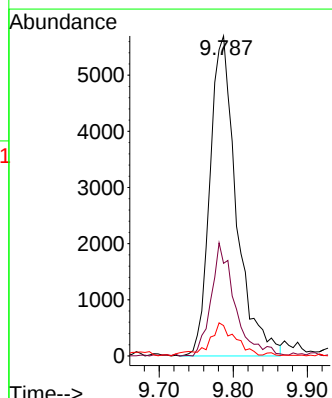
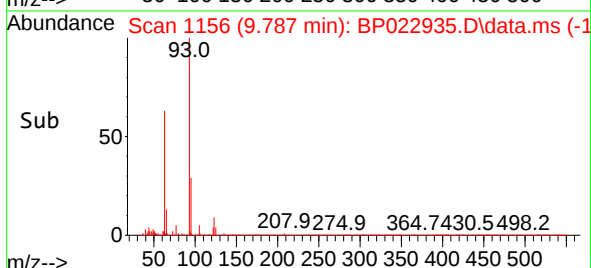
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

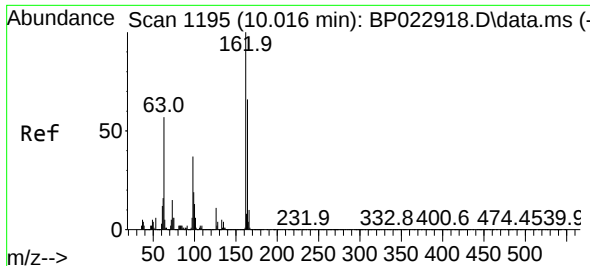


#28
bis(2-Chloroethoxy)methane
Concen: 3.582 ng
RT: 9.787 min Scan# 1156
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30



Tgt Ion: 93 Resp: 14124
Ion Ratio Lower Upper
93 100
95 29.0 25.4 38.2
123 9.5 8.6 13.0





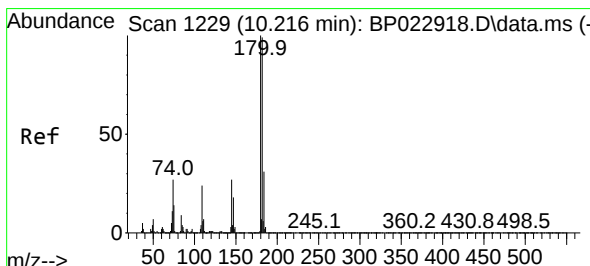
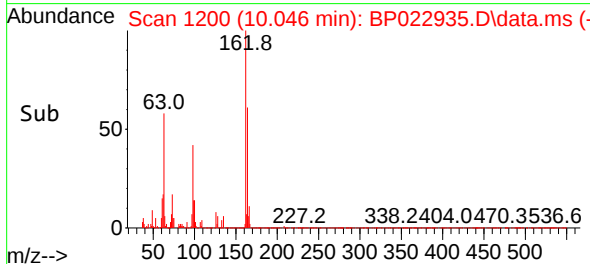
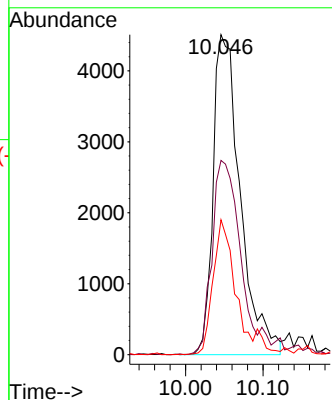
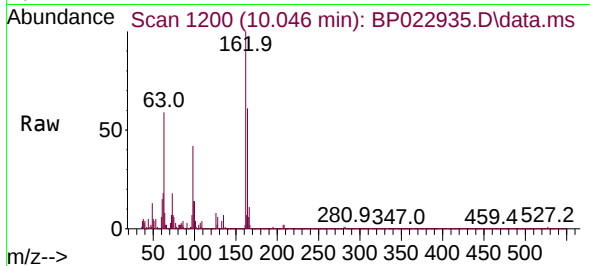
#29
2,4-Dichlorophenol
Concen: 3.241 ng
RT: 10.046 min Scan# 1195
Delta R.T. 0.030 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion	Ratio	Lower	Upper
162	100		
164	60.7	46.0	86.0
98	42.2	16.7	56.7

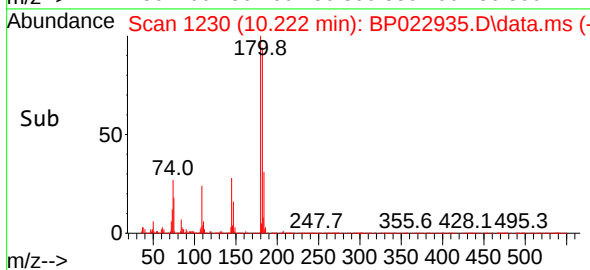
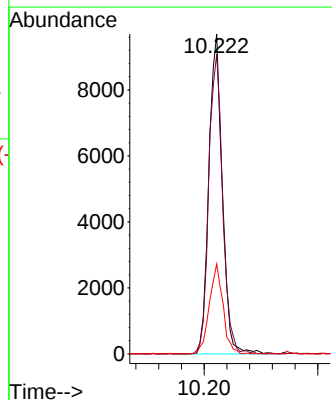
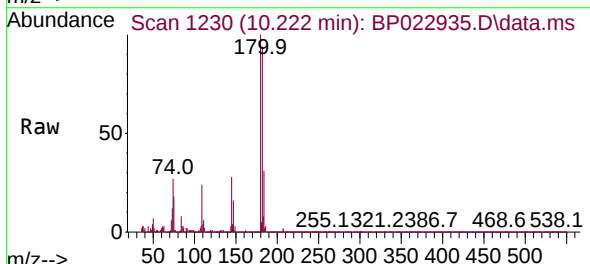
Manual Integrations
APPROVED

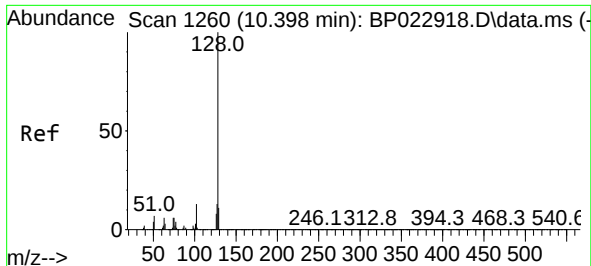
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.665 ng
RT: 10.222 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	79.4	119.2
145	28.1	21.6	32.4





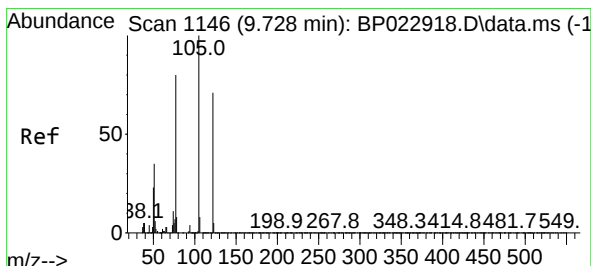
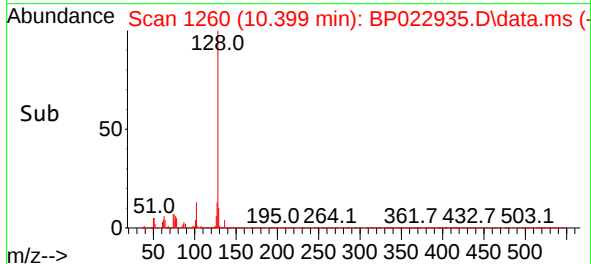
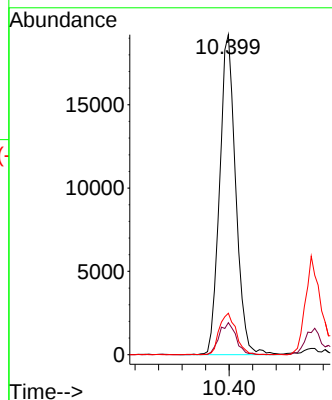
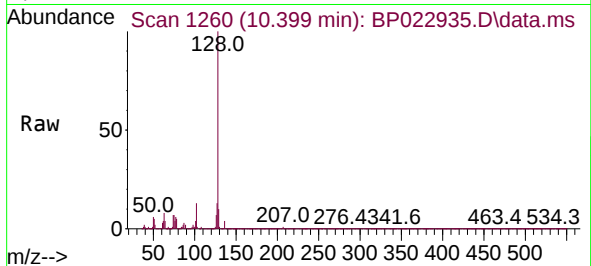
#31
Naphthalene
Concen: 3.759 ng
RT: 10.399 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:128 Resp: 3650
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 12.9 10.6 16.0

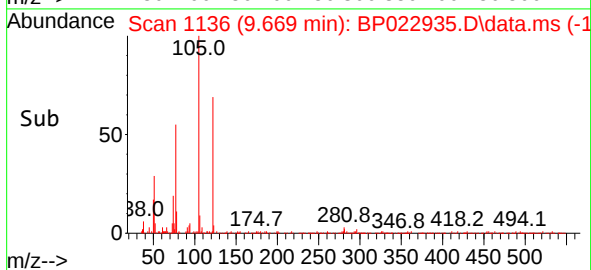
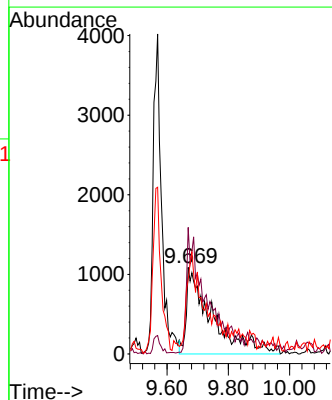
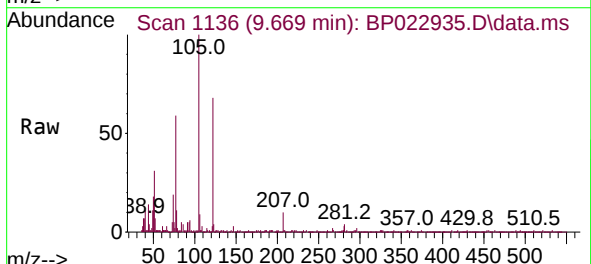
Manual Integrations
APPROVED

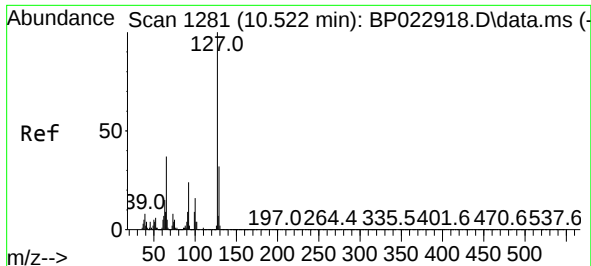
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#32
Benzoic acid
Concen: 2.654 ng m
RT: 9.669 min Scan# 1136
Delta R.T. -0.059 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

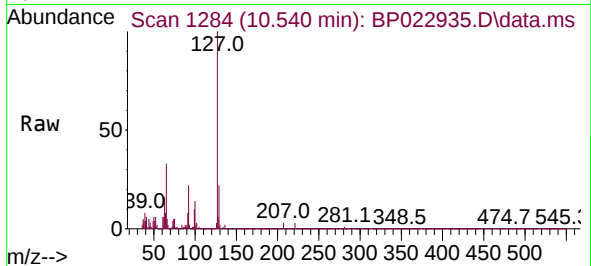
Tgt Ion:122 Resp: 6226
Ion Ratio Lower Upper
122 100
105 146.3 119.9 159.9
77 85.9 92.2 132.2#





#33
4-Chloroaniline
Concen: 3.670 ng
RT: 10.540 min Scan# 1284
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

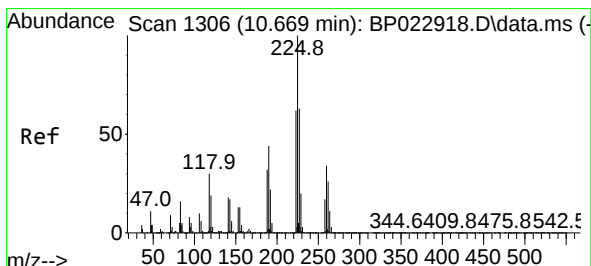
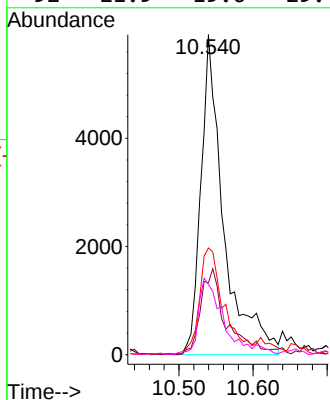
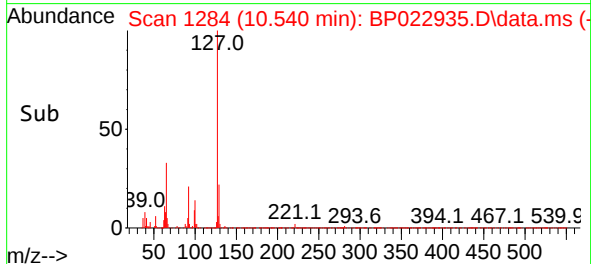
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	22.5	25.2	37.8
65	33.4	29.7	44.5
92	21.9	19.6	29.4

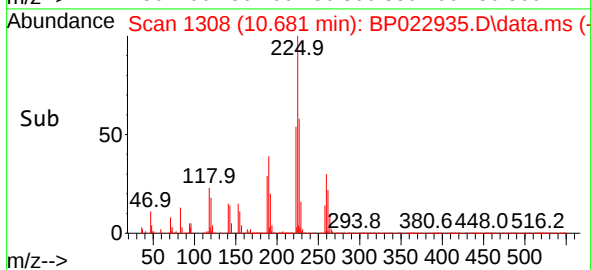
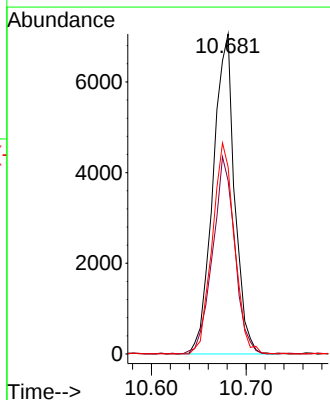
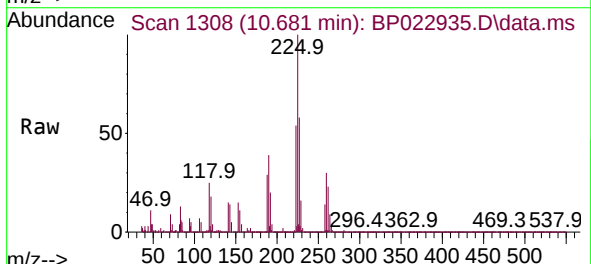
Manual Integrations
APPROVED

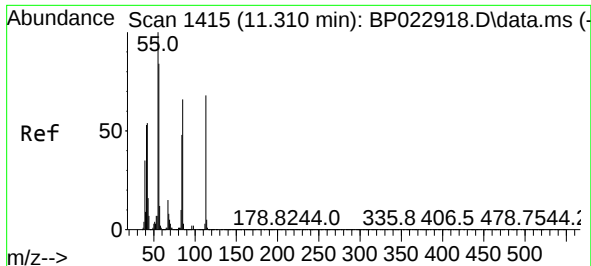
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#34
Hexachlorobutadiene
Concen: 3.524 ng
RT: 10.681 min Scan# 1308
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

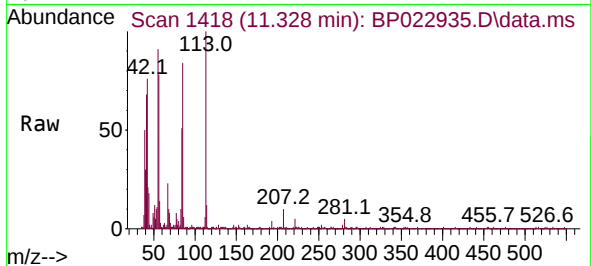
Tgt Ion	Ratio	Lower	Upper
225	100		
223	54.2	49.8	74.6
227	58.5	50.5	75.7





#35
Caprolactam
Concen: 3.146 ng m
RT: 11.328 min Scan# 1415
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

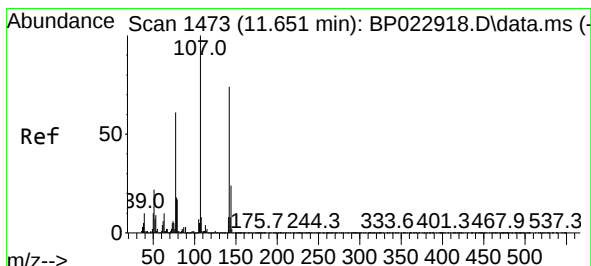
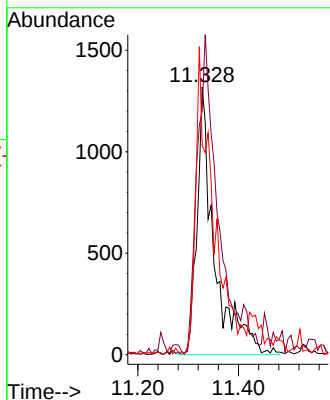
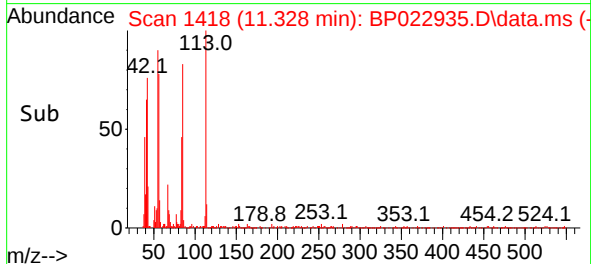
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



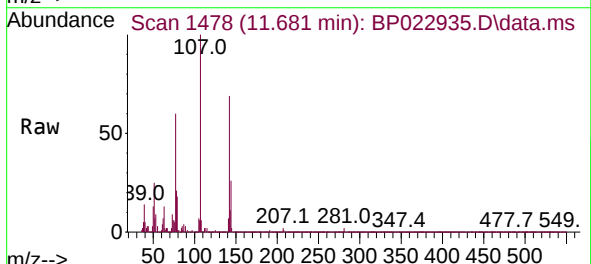
Tgt Ion:113 Resp: 3185
Ion Ratio Lower Upper
113 100
55 91.1 127.4 167.4
56 78.2 103.5 143.5

Manual Integrations
APPROVED

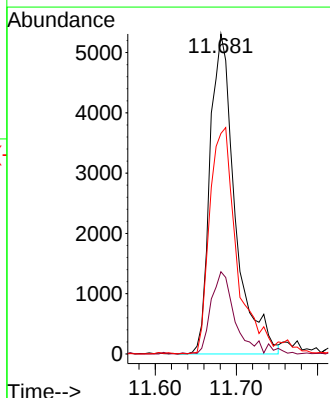
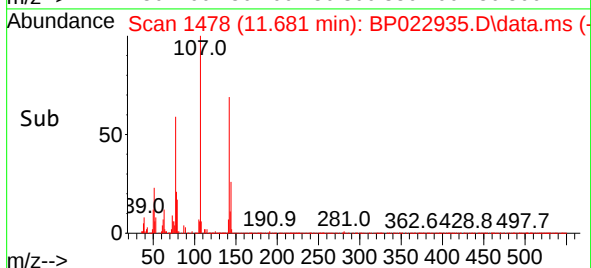
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

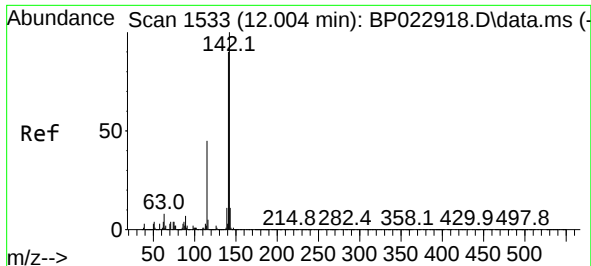


#36
4-Chloro-3-methylphenol
Concen: 3.026 ng
RT: 11.681 min Scan# 1478
Delta R.T. 0.030 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30



Tgt Ion:107 Resp: 11409
Ion Ratio Lower Upper
107 100
144 25.7 19.4 29.0
142 68.9 59.5 89.3





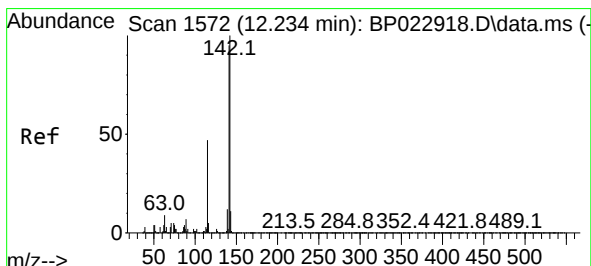
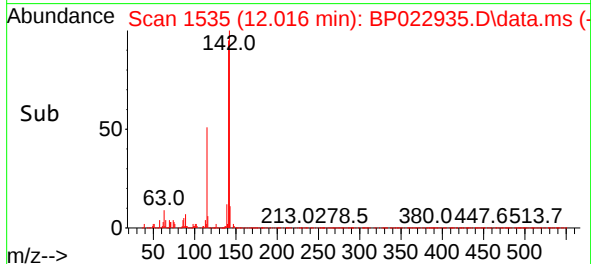
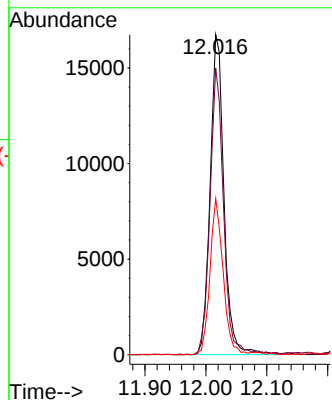
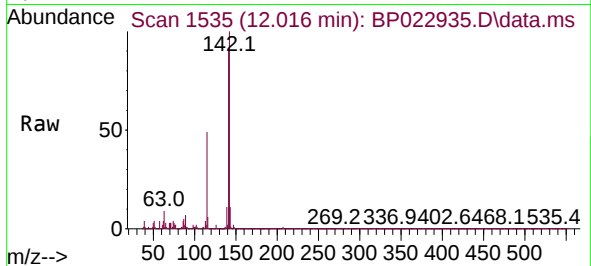
#37
2-Methylnaphthalene
Concen: 3.636 ng
RT: 12.016 min Scan# 1533
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:142 Resp: 2644
Ion Ratio Lower Upper
142 100
141 89.6 72.2 108.4
115 48.7 35.9 53.9

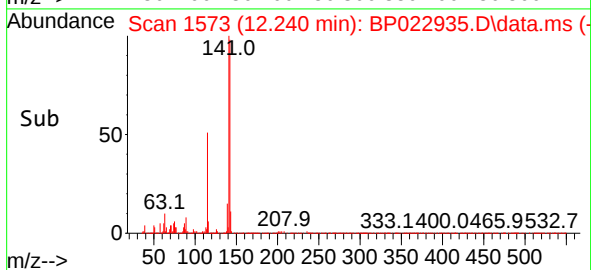
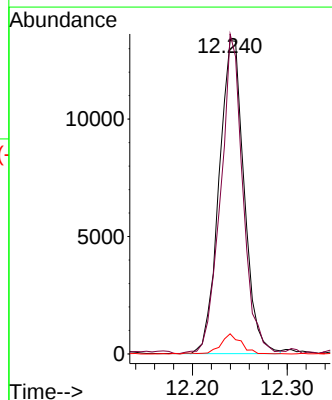
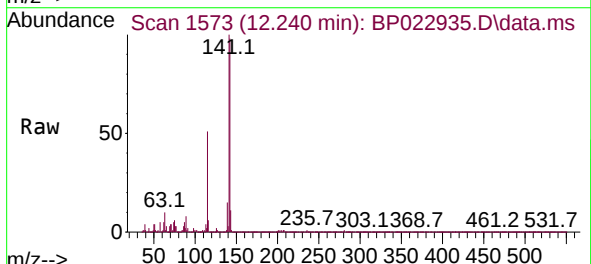
Manual Integrations
APPROVED

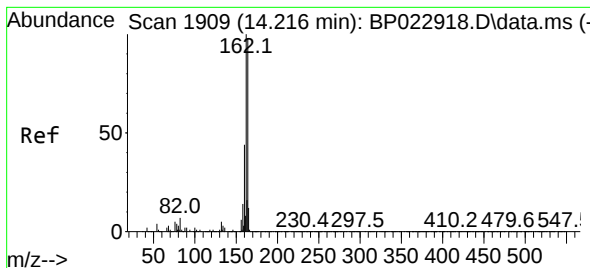
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#38
1-Methylnaphthalene
Concen: 3.402 ng
RT: 12.240 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:142 Resp: 24558
Ion Ratio Lower Upper
142 100
141 102.1 75.8 113.8
116 6.4 3.8 5.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.216 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BP022935.D

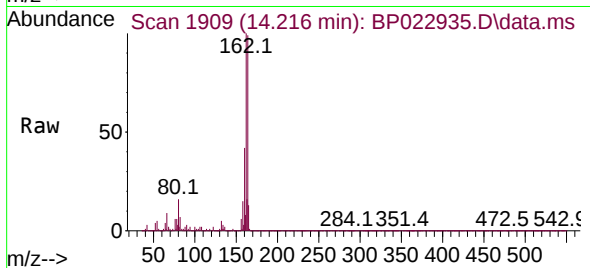
Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



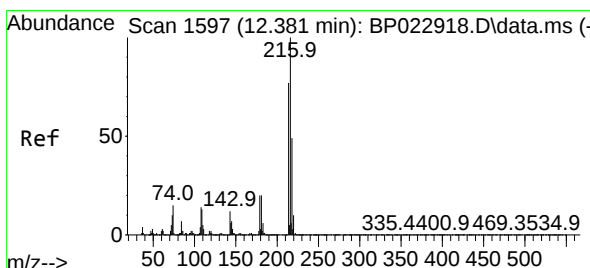
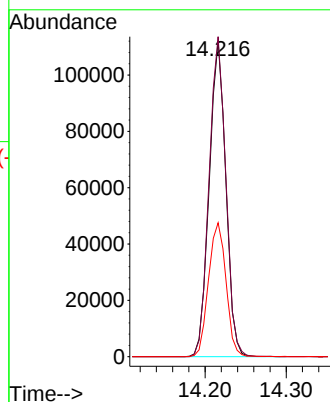
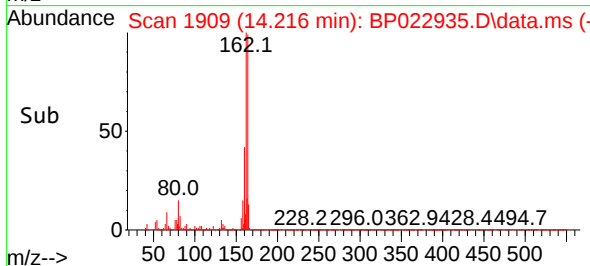
Tgt Ion:	164	Resp:	15885
Ion Ratio	Lower	Upper	
164	100		
162	101.3	81.8	122.8
160	42.4	35.7	53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.632 ng

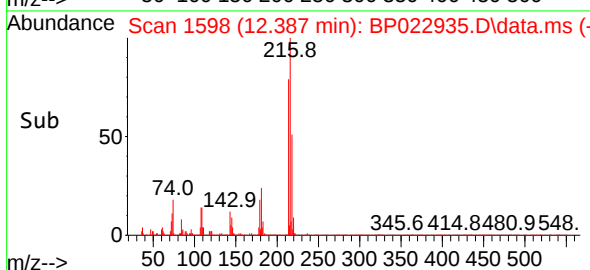
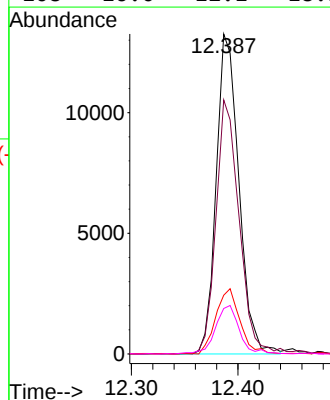
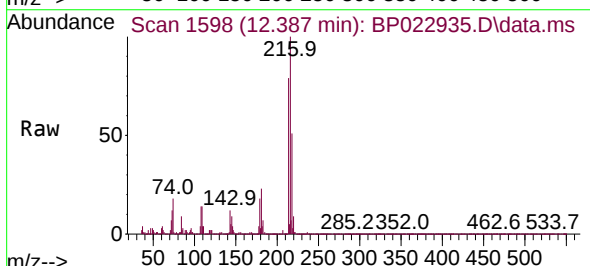
RT: 12.387 min Scan# 1598

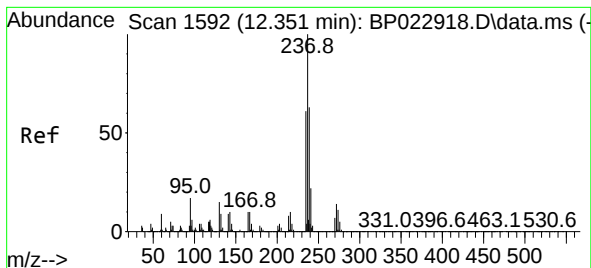
Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:	216	Resp:	19534
Ion Ratio	Lower	Upper	
216	100		
214	81.3	62.5	93.7
179	21.4	16.5	24.7
108	16.0	12.1	18.1





#41

Hexachlorocyclopentadiene

Concen: 2.771 ng

RT: 12.357 min Scan# 11

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

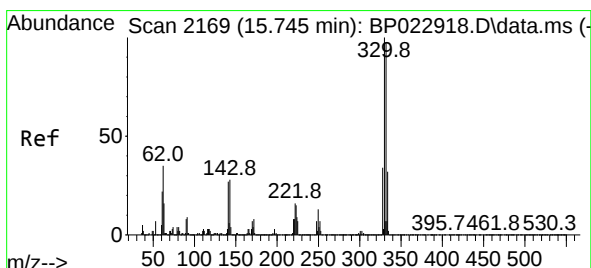
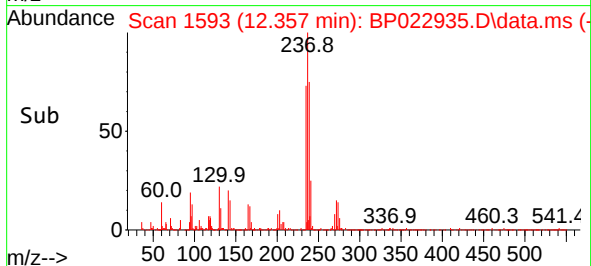
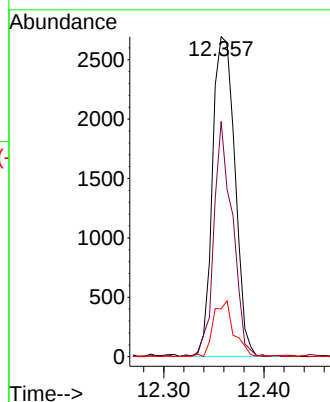
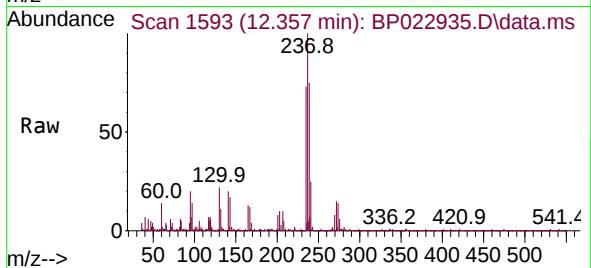
Tgt Ion:	237	Resp:	418
Ion Ratio	Lower	Upper	
237	100		
235	73.5	41.2	81.2
272	14.9	0.0	33.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#42

2,4,6-Tribromophenol

Concen: 117.896 ng

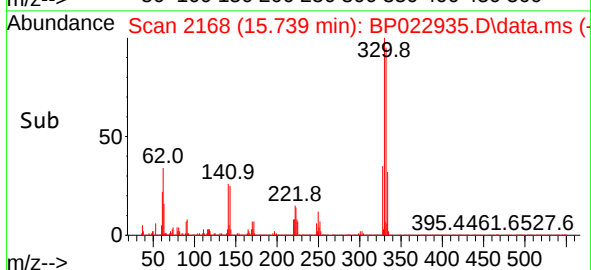
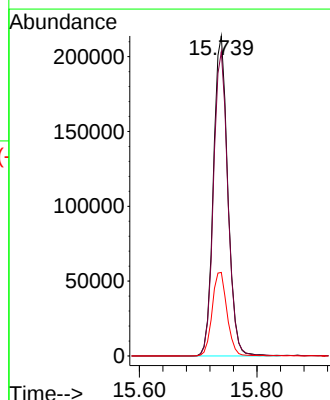
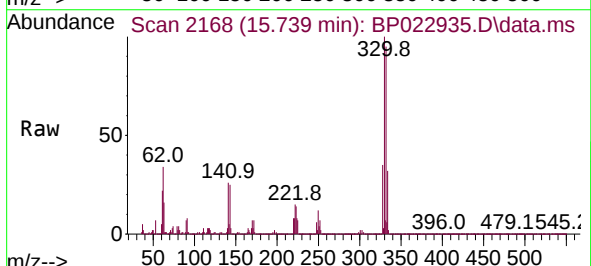
RT: 15.739 min Scan# 2168

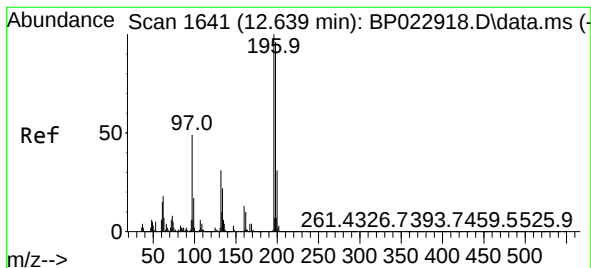
Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

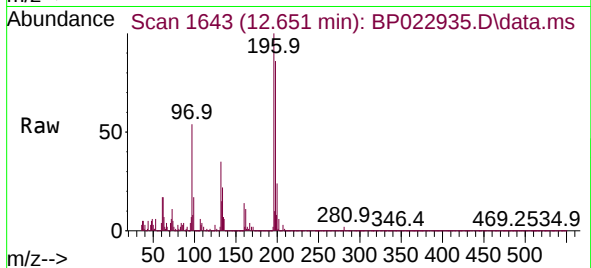
Tgt Ion:	330	Resp:	363016
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.0	115.6
141	27.0	21.6	32.4





#43
2,4,6-Trichlorophenol
Concen: 3.186 ng m
RT: 12.651 min Scan# 1643
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

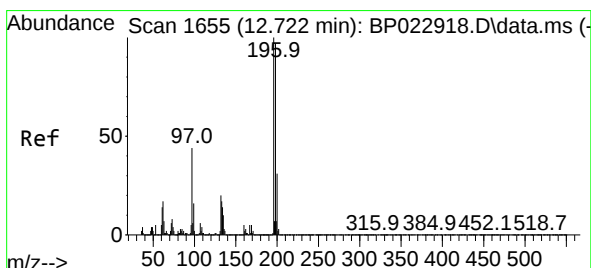
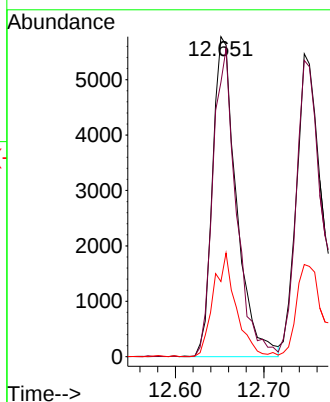
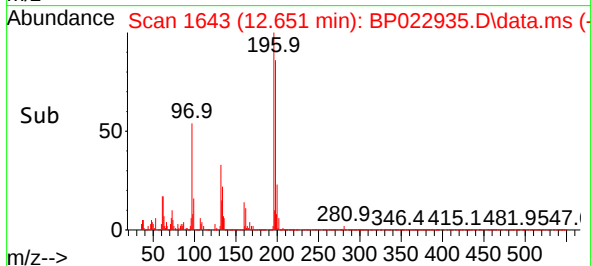
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:196 Resp: 10898
Ion Ratio Lower Upper
196 100
198 85.7 76.5 114.7
200 23.5 24.6 36.8

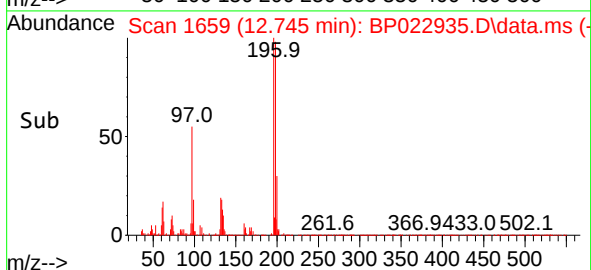
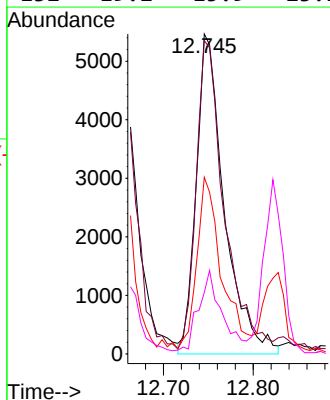
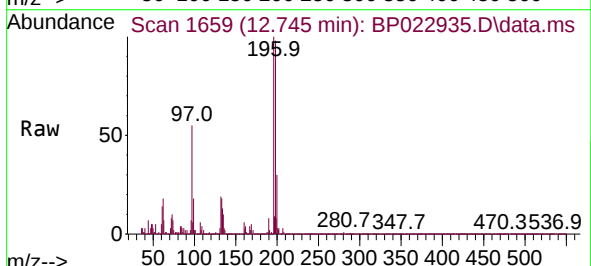
Manual Integrations
APPROVED

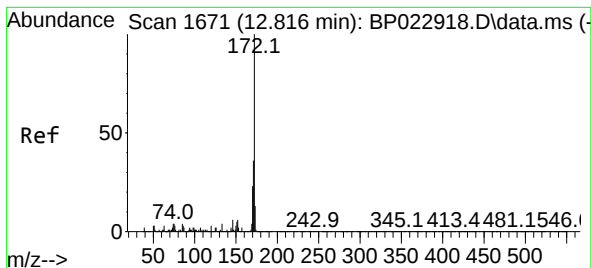
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#44
2,4,5-Trichlorophenol
Concen: 3.052 ng
RT: 12.745 min Scan# 1659
Delta R.T. 0.024 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:196 Resp: 11885
Ion Ratio Lower Upper
196 100
198 97.9 77.8 116.8
97 55.2 35.2 52.8#
132 19.2 15.9 23.9





#45

2-Fluorobiphenyl

Concen: 80.893 ng

RT: 12.822 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

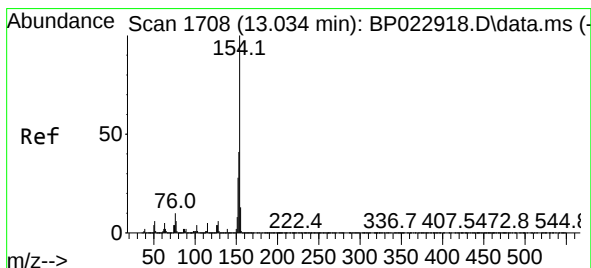
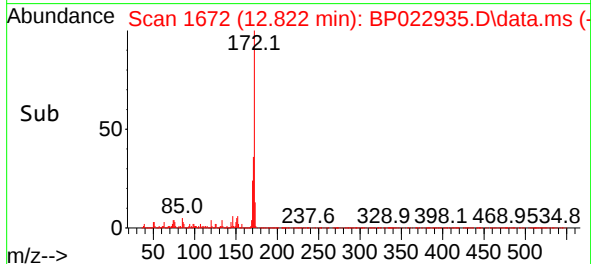
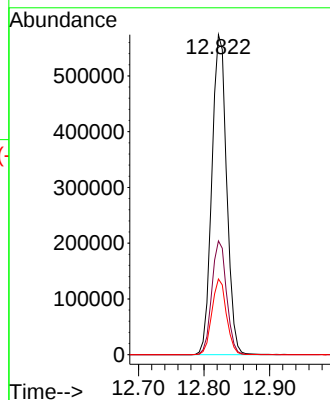
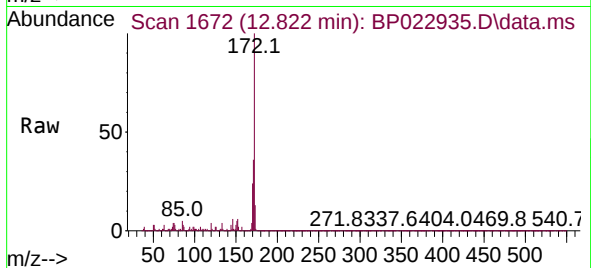
Tgt Ion:	172	Resp:	89934
Ion Ratio	Lower	Upper	
172	100		
171	35.6	28.5	42.7
170	23.7	18.6	27.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#46

1,1'-Biphenyl

Concen: 3.844 ng

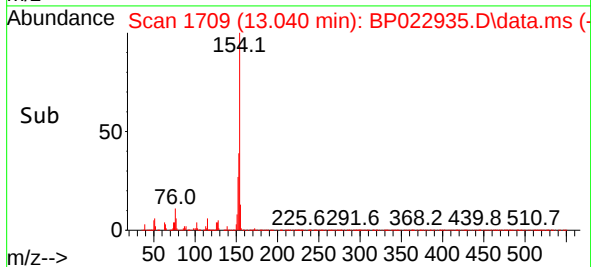
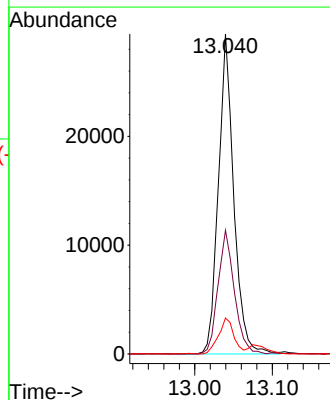
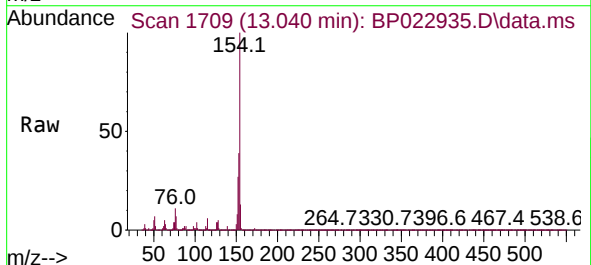
RT: 13.040 min Scan# 1709

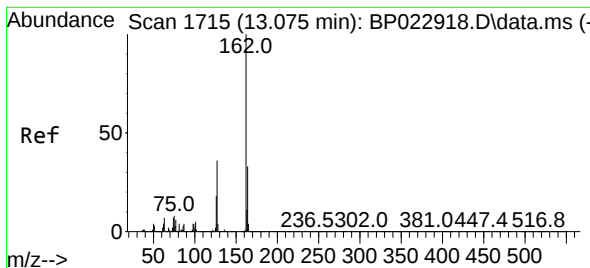
Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:	154	Resp:	40590
Ion Ratio	Lower	Upper	
154	100		
153	38.7	20.6	60.6
76	11.2	0.0	30.5





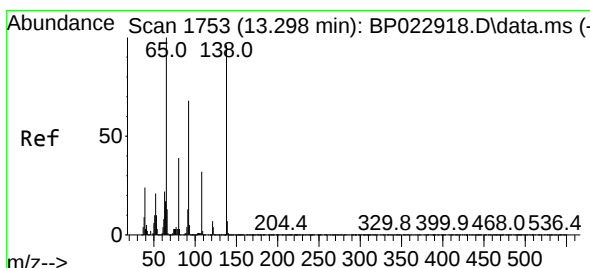
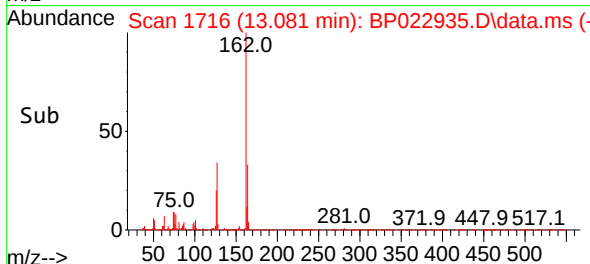
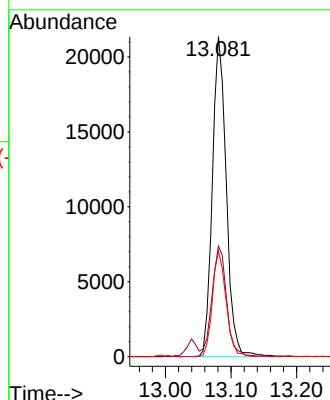
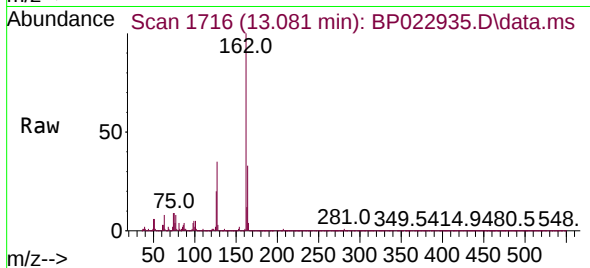
#47
2-Chloronaphthalene
Concen: 3.596 ng
RT: 13.081 min Scan# 1715
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:162 Resp: 3151
Ion Ratio Lower Upper
162 100
127 34.5 28.6 43.0
164 33.0 26.4 39.6

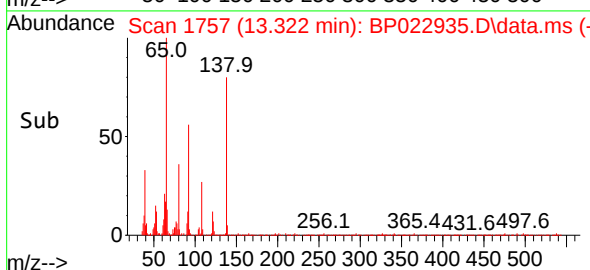
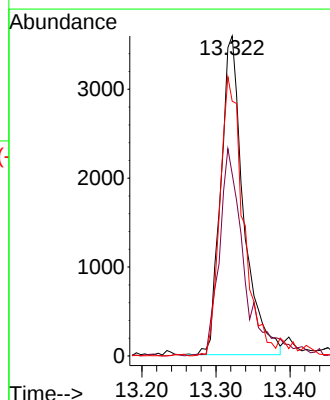
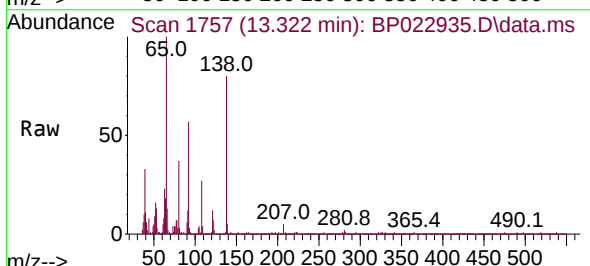
Manual Integrations
APPROVED

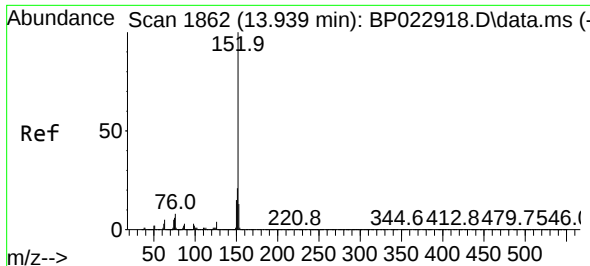
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#48
2-Nitroaniline
Concen: 3.002 ng
RT: 13.322 min Scan# 1757
Delta R.T. 0.024 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

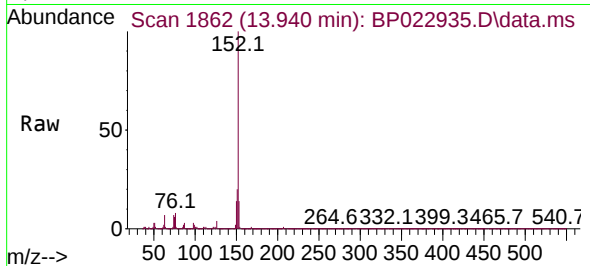
Tgt Ion: 65 Resp: 7666
Ion Ratio Lower Upper
65 100
92 56.8 54.4 81.6
138 79.6 76.5 114.7





#49
Acenaphthylene
Concen: 3.834 ng
RT: 13.940 min Scan# 1862
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

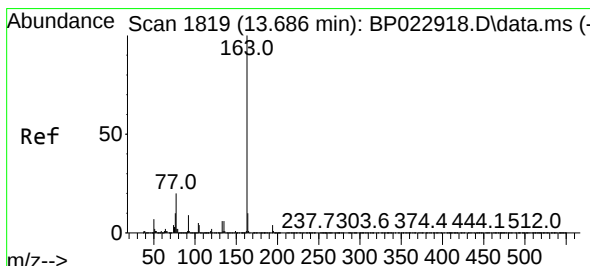
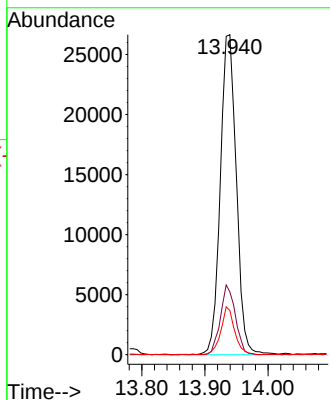
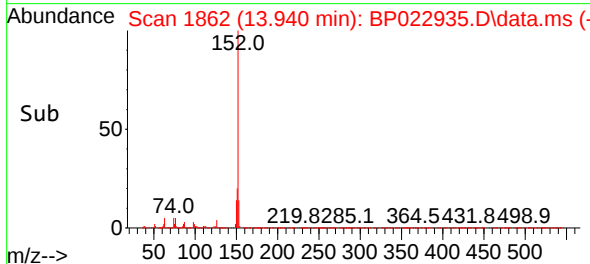
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



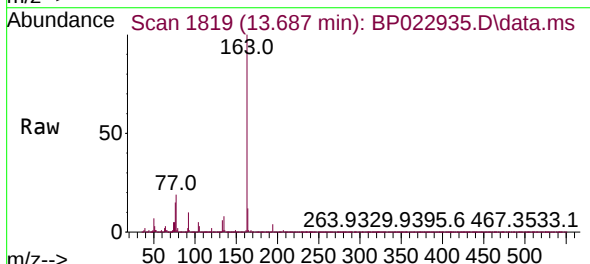
Tgt Ion:152 Resp: 46929
Ion Ratio Lower Upper
152 100
151 19.6 16.8 25.2
153 13.8 10.8 16.2

Manual Integrations
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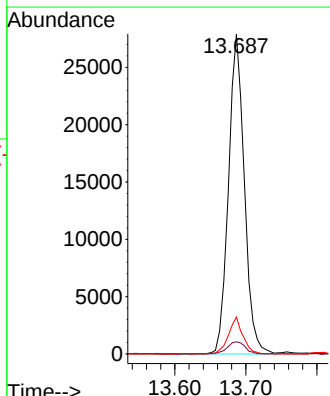
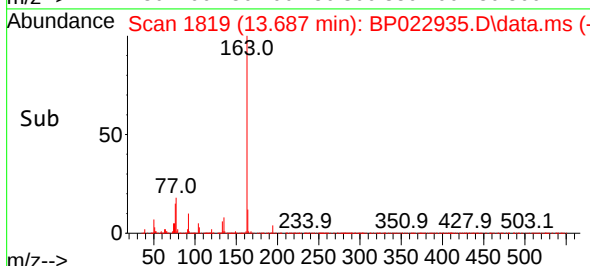
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

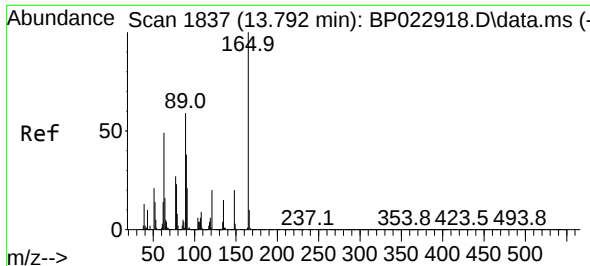


#50
Dimethylphthalate
Concen: 3.717 ng
RT: 13.687 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30



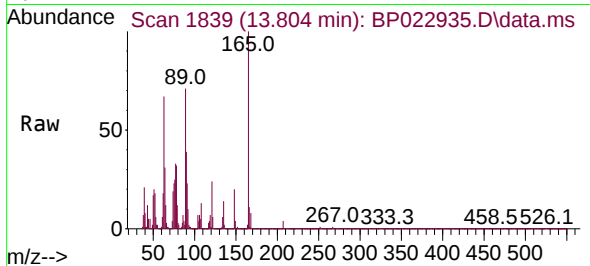
Tgt Ion:163 Resp: 43226
Ion Ratio Lower Upper
163 100
194 3.8 3.5 5.3
164 11.6 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 3.149 ng
RT: 13.804 min Scan# 1839
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

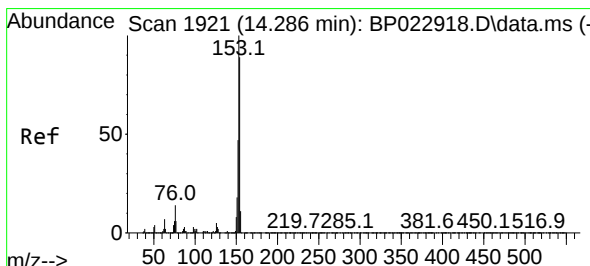
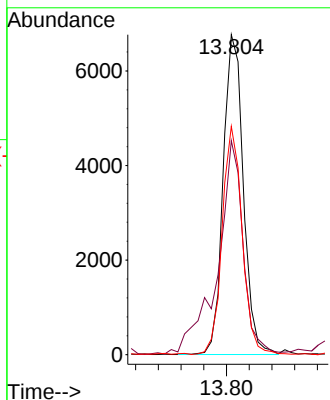
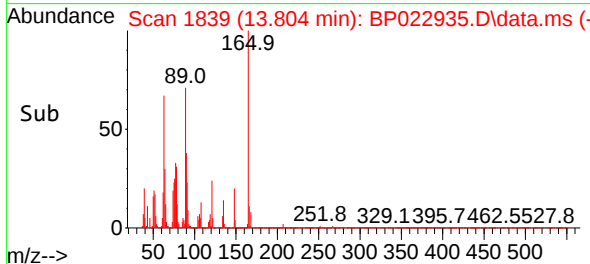
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:165 Resp: 832
Ion Ratio Lower Upper
165 100
63 66.9 45.1 67.7
89 71.3 46.9 70.3

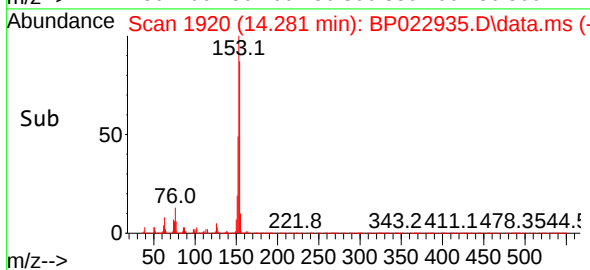
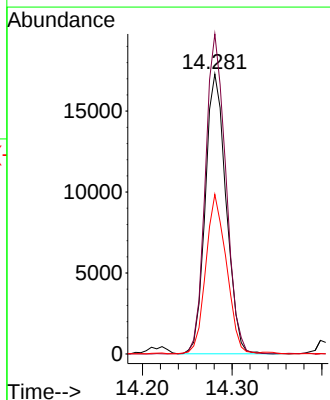
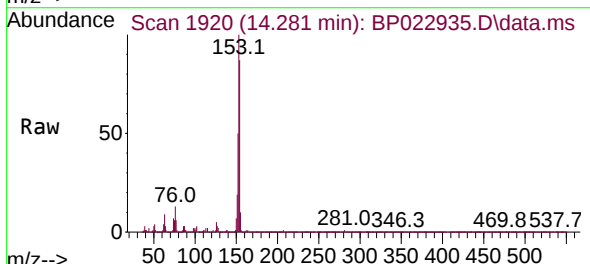
Manual Integrations
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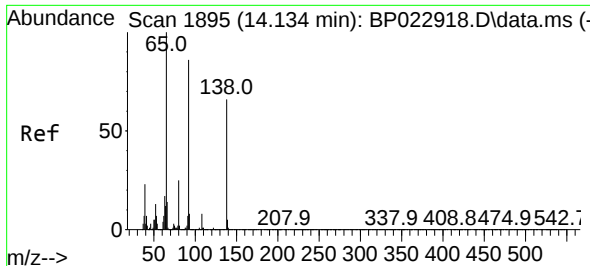
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#52
Acenaphthene
Concen: 3.546 ng
RT: 14.281 min Scan# 1920
Delta R.T. -0.005 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

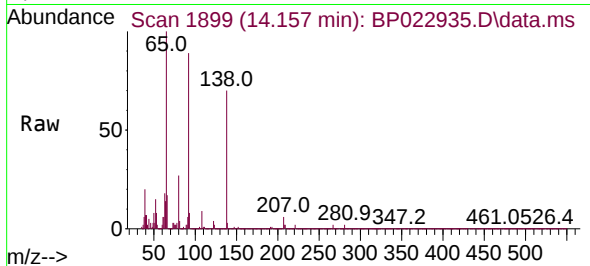
Tgt Ion:154 Resp: 27908
Ion Ratio Lower Upper
154 100
153 114.3 89.9 134.9
152 57.0 42.1 63.1





#53
3-Nitroaniline
Concen: 3.048 ng
RT: 14.157 min Scan# 1895
Delta R.T. 0.024 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

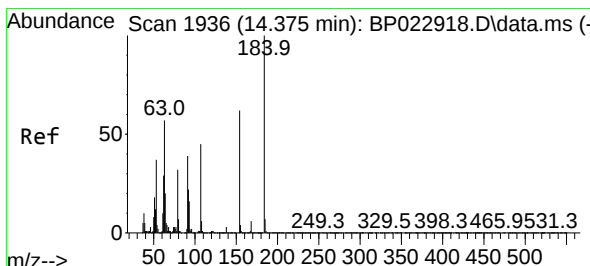
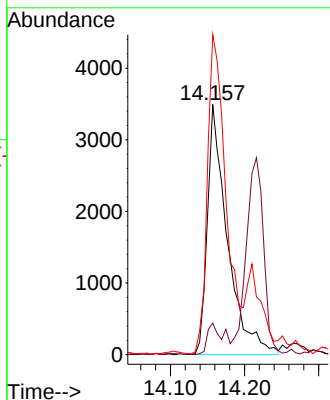
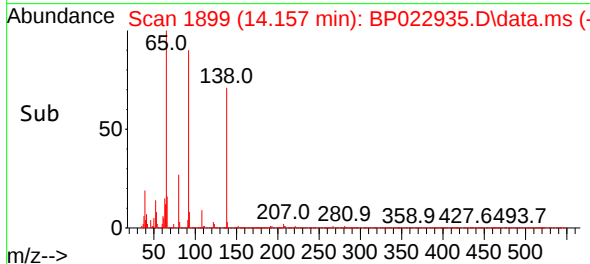
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:138 Resp: 6549
Ion Ratio Lower Upper
138 100
108 12.6 10.2 15.2
92 127.9 104.2 156.2

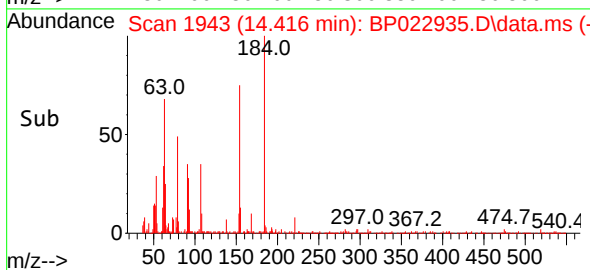
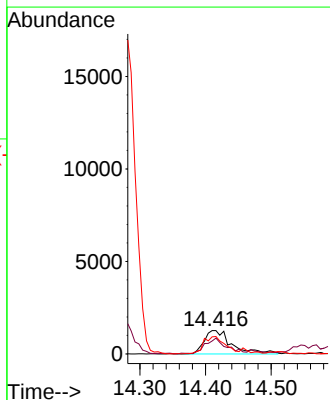
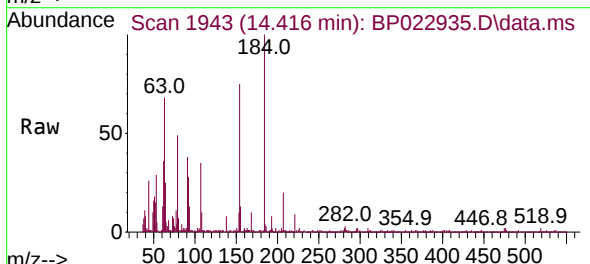
Manual Integrations
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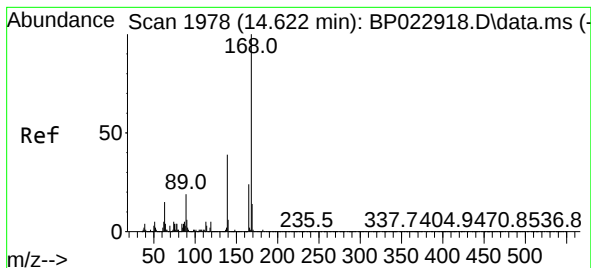
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#54
2,4-Dinitrophenol
Concen: 2.251 ng m
RT: 14.416 min Scan# 1943
Delta R.T. 0.041 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

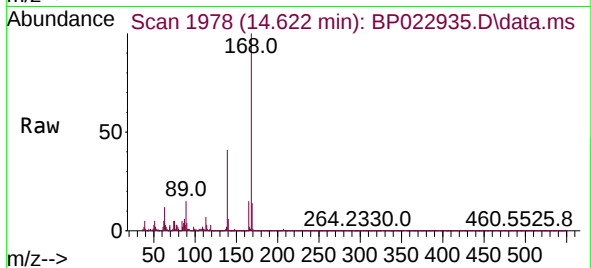
Tgt Ion:184 Resp: 3694
Ion Ratio Lower Upper
184 100
63 67.6 46.3 69.5
154 74.9 56.6 85.0





#55
Dibenzenofuran
Concen: 3.683 ng
RT: 14.622 min Scan# 1978
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

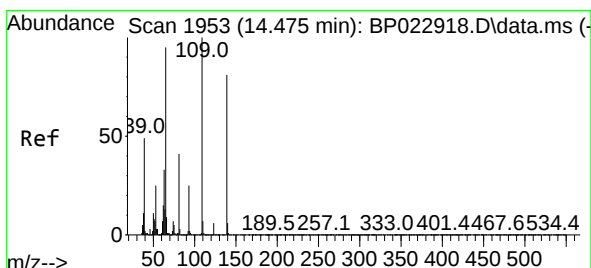
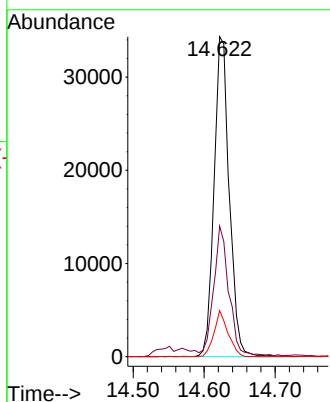
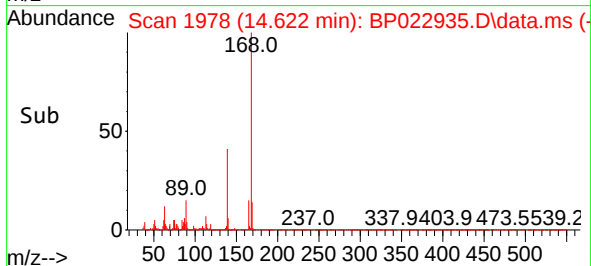
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



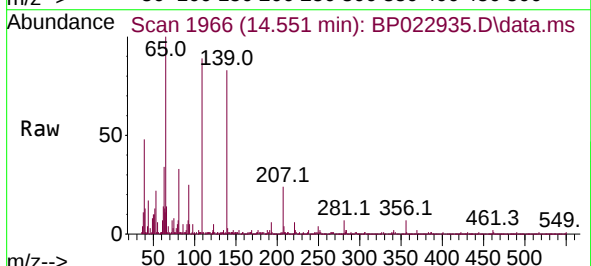
Tgt Ion:168 Resp: 50900
Ion Ratio Lower Upper
168 100
139 40.8 31.1 46.7
169 14.4 11.0 16.6

Manual Integrations
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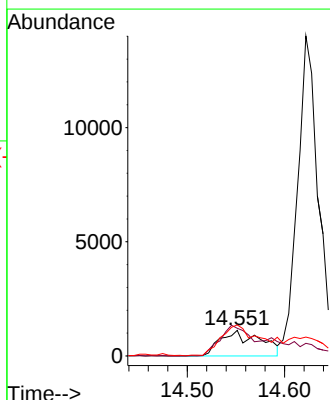
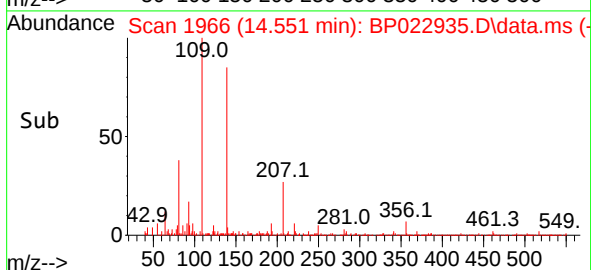
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

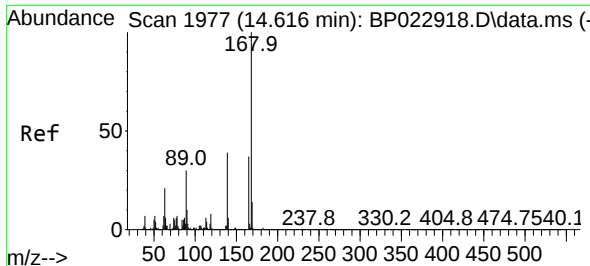


#56
4-Nitrophenol
Concen: 1.795 ng m
RT: 14.551 min Scan# 1966
Delta R.T. 0.077 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30



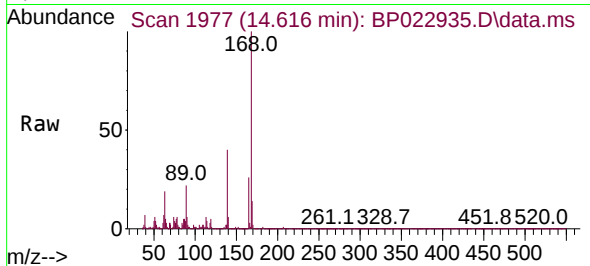
Tgt Ion:139 Resp: 3173
Ion Ratio Lower Upper
139 100
109 107.7 103.1 143.1
65 121.2 96.9 136.9





#57
2,4-Dinitrotoluene
Concen: 2.971 ng
RT: 14.616 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

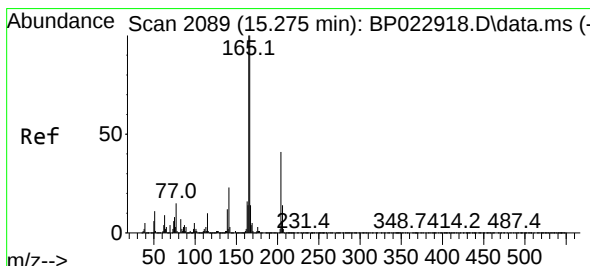
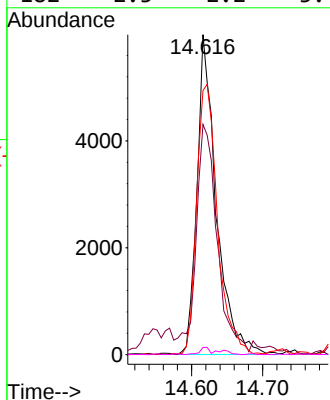
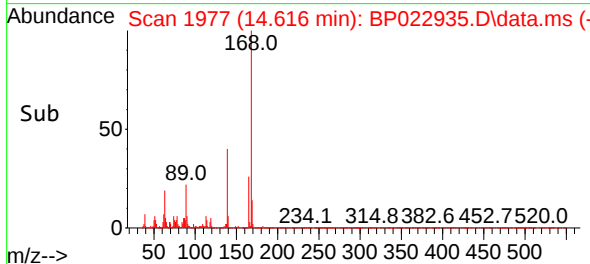
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:165 Resp: 11358
Ion Ratio Lower Upper
165 100
63 72.0 46.5 69.7
89 82.5 64.0 96.0
182 2.3 2.2 3.4

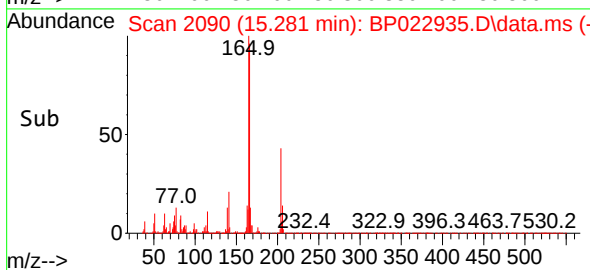
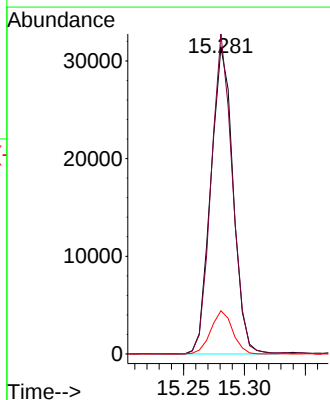
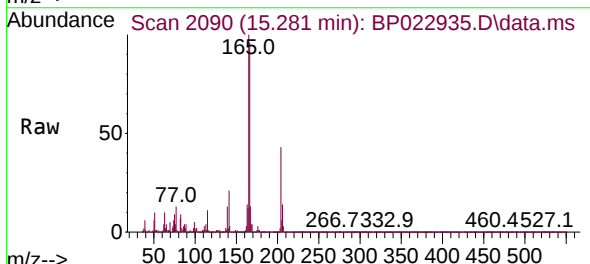
Manual Integrations
APPROVED

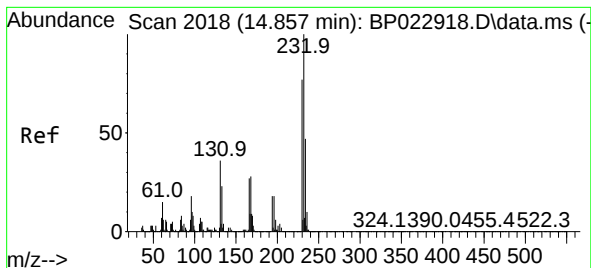
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#58
Fluorene
Concen: 3.485 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:166 Resp: 40021
Ion Ratio Lower Upper
166 100
165 104.3 80.1 120.1
167 14.1 11.1 16.7





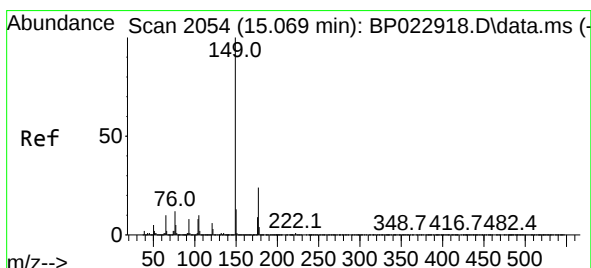
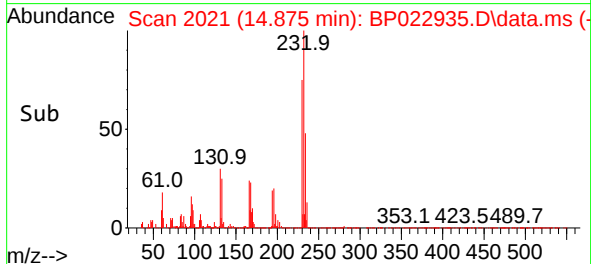
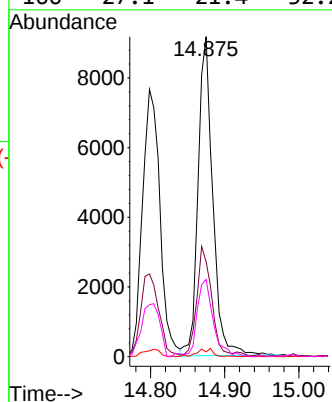
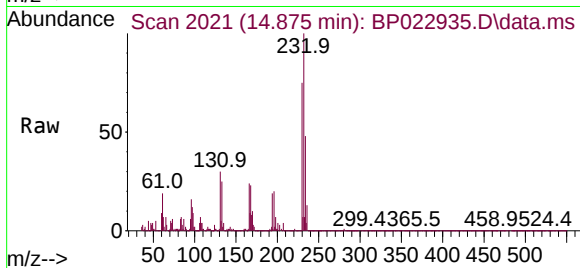
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.355 ng
RT: 14.875 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:232 Resp: 12600
Ion Ratio Lower Upper
232 100
131 33.1 28.2 42.2
130 2.5 1.7 2.5
166 27.1 21.4 32.2

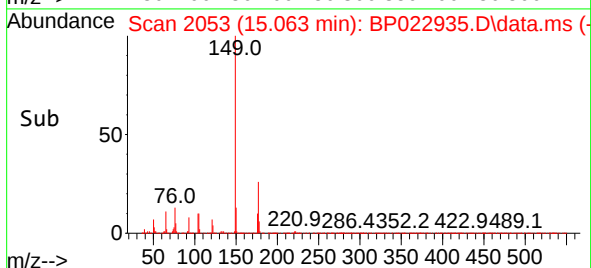
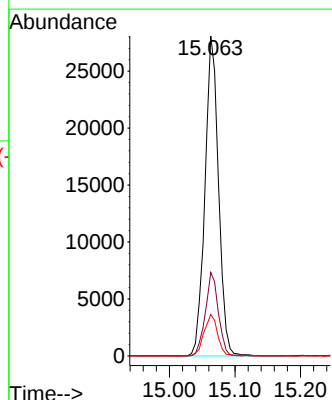
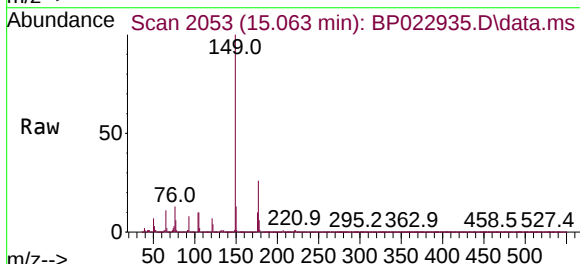
Manual Integrations
APPROVED

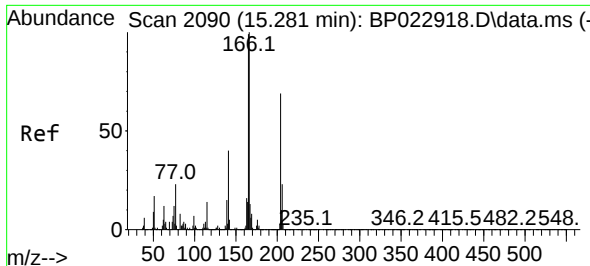
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#60
Diethylphthalate
Concen: 3.503 ng
RT: 15.063 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

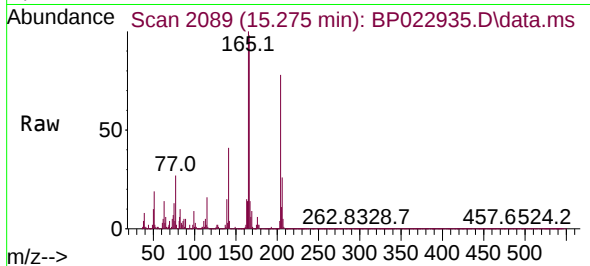
Tgt Ion:149 Resp: 40519
Ion Ratio Lower Upper
149 100
177 26.1 18.9 28.3
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 3.561 ng
RT: 15.275 min Scan# 2090
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

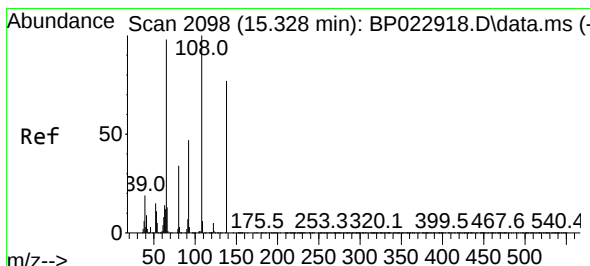
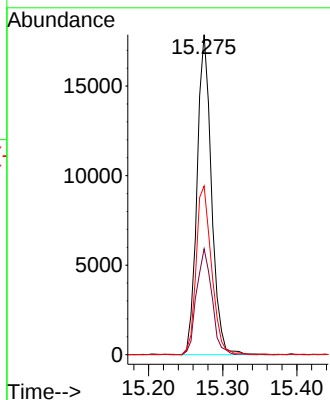
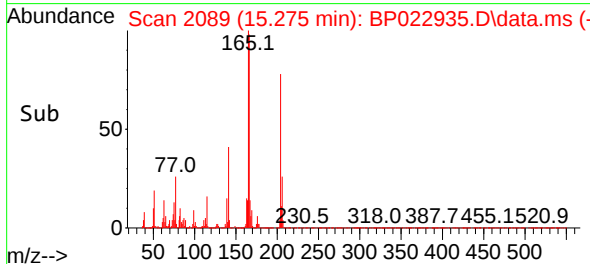
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



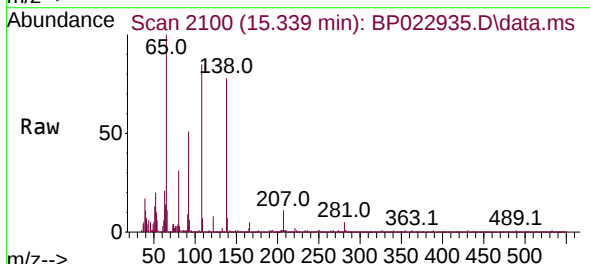
Tgt Ion: 204 Resp: 2409
Ion Ratio Lower Upper
204 100
206 33.1 26.8 40.2
141 52.7 46.2 69.4

Manual Integrations
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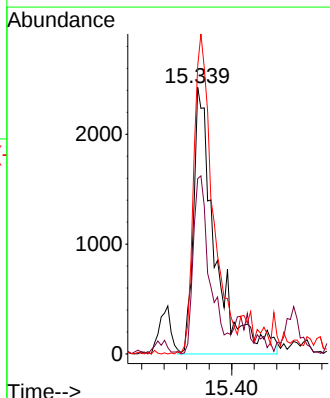
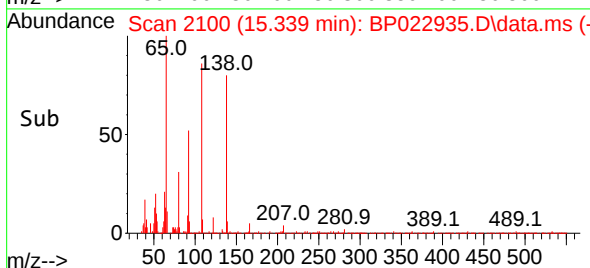
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

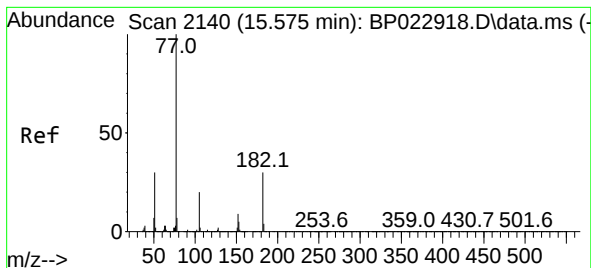


#62
4-Nitroaniline
Concen: 2.968 ng m
RT: 15.339 min Scan# 2100
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30



Tgt Ion: 138 Resp: 6543
Ion Ratio Lower Upper
138 100
92 65.8 41.9 81.9
108 108.2 109.3 149.3#





#63

Azobenzene

Concen: 3.502 ng

RT: 15.575 min Scan# 2140

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

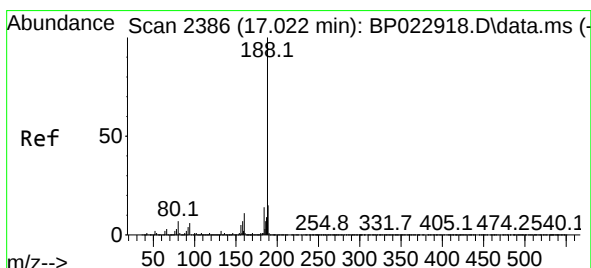
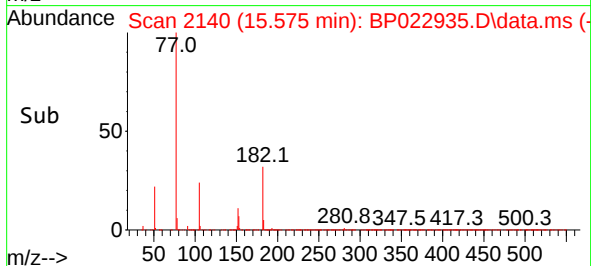
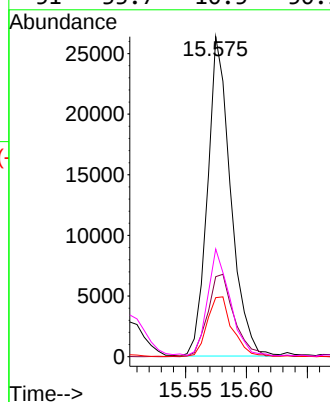
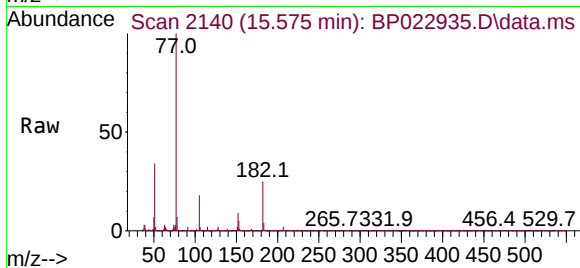
Tgt Ion: 77	Resp: 3483
Ion Ratio	Lower Upper
77 100	
182 25.0	9.9 49.9
105 18.4	0.0 39.9
51 33.7	10.5 50.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

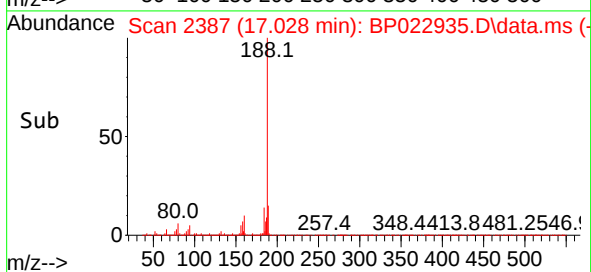
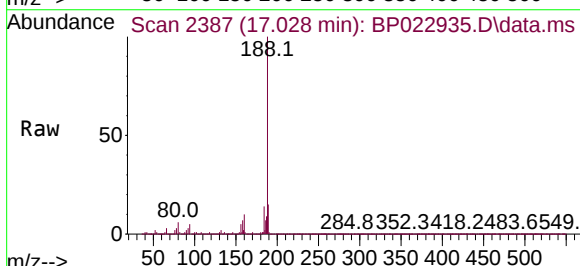
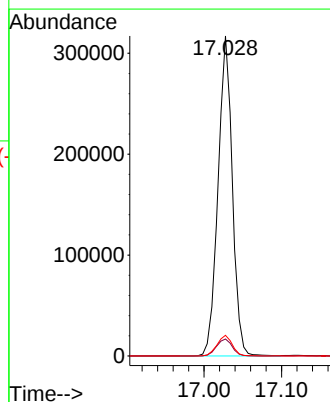
RT: 17.028 min Scan# 2387

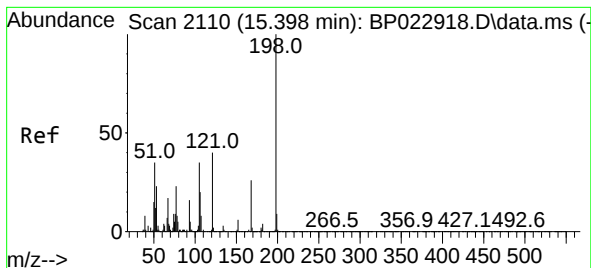
Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:188	Resp: 406037
Ion Ratio	Lower Upper
188 100	
94 5.3	4.8 7.2
80 6.4	5.9 8.9





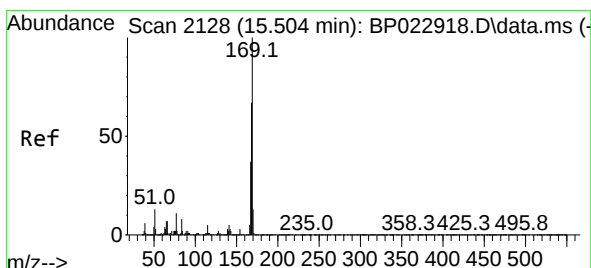
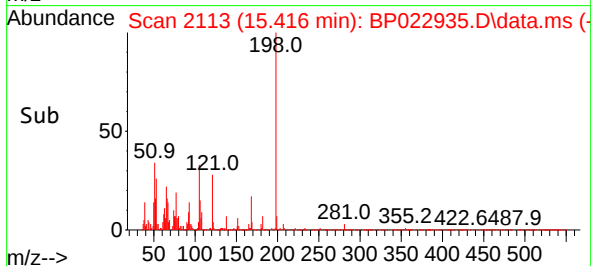
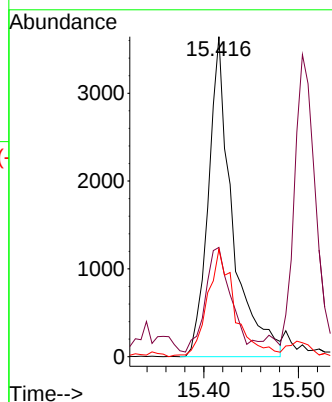
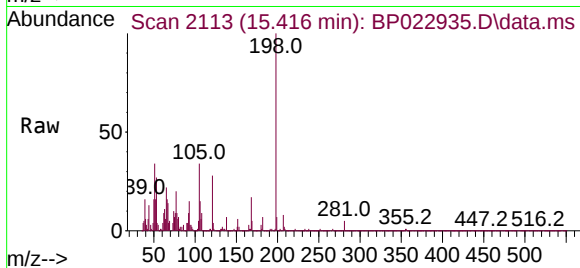
#65
4,6-Dinitro-2-methylphenol
Concen: 2.599 ng
RT: 15.416 min Scan# 2113
Delta R.T. 0.018 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:198 Resp: 642
Ion Ratio Lower Upper
198 100
51 34.1 17.4 57.4
105 33.5 15.4 55.4

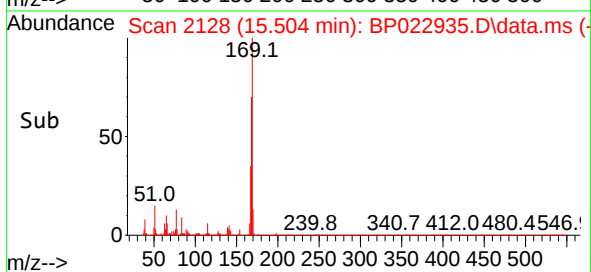
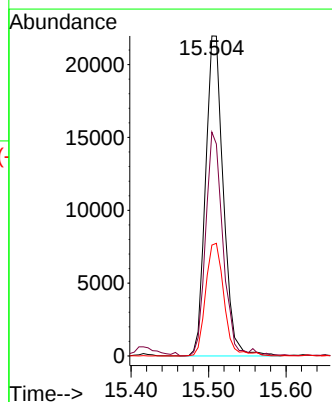
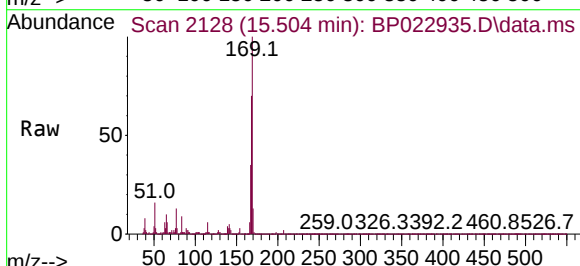
Manual Integrations
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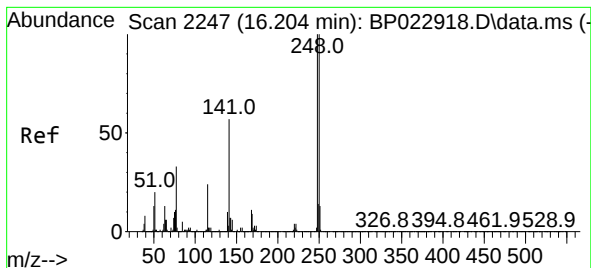
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#66
n-Nitrosodiphenylamine
Concen: 3.483 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

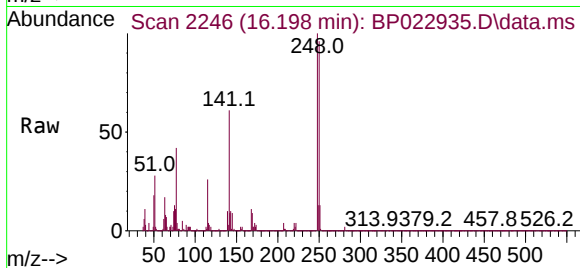
Tgt Ion:169 Resp: 34963
Ion Ratio Lower Upper
169 100
168 70.0 53.9 80.9
167 34.7 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 3.498 ng
RT: 16.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

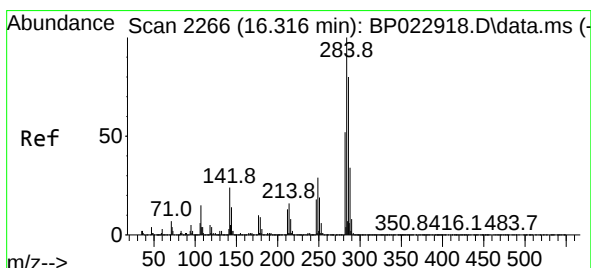
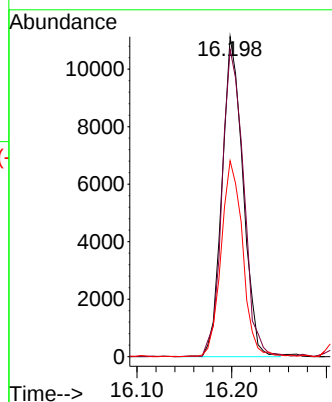
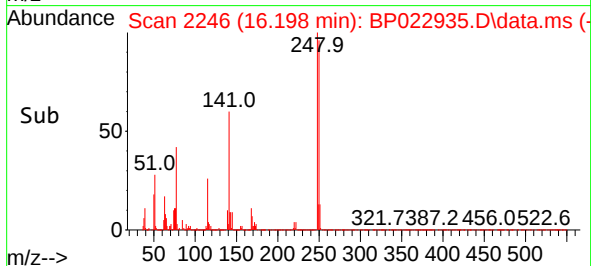
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:248 Resp: 17034
Ion Ratio Lower Upper
248 100
250 96.0 79.8 119.6
141 61.2 45.2 67.8

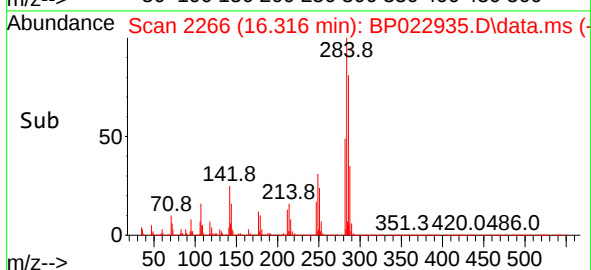
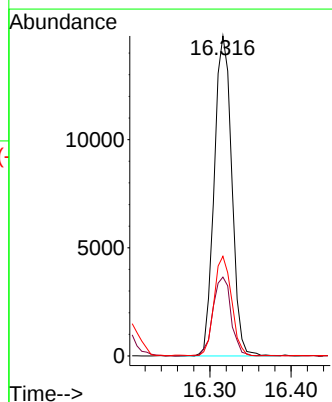
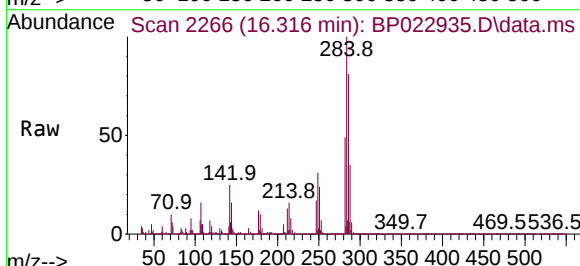
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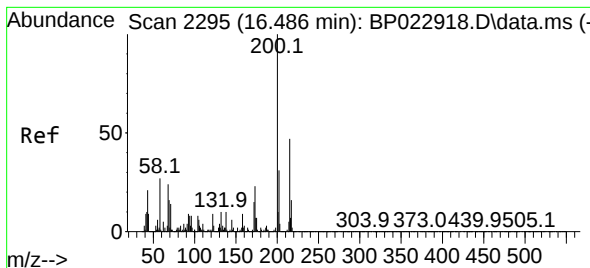
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#68
Hexachlorobenzene
Concen: 3.556 ng
RT: 16.316 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:284 Resp: 22182
Ion Ratio Lower Upper
284 100
142 24.7 19.0 28.4
249 31.2 23.0 34.6





#69

Atrazine

Concen: 4.340 ng

RT: 16.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

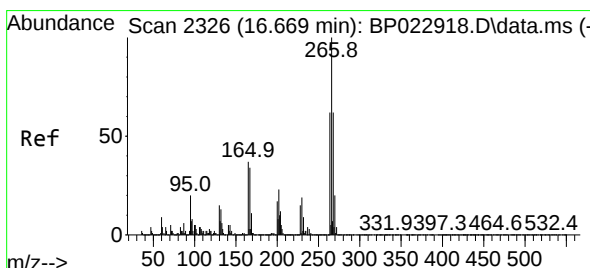
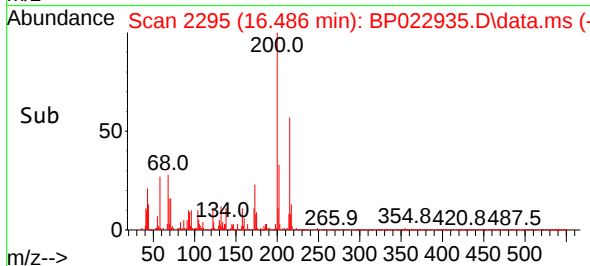
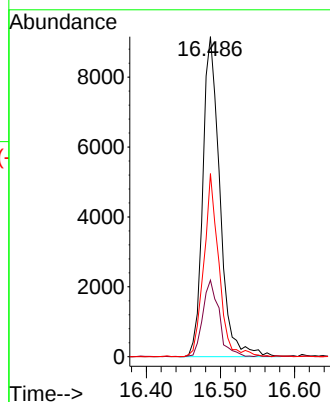
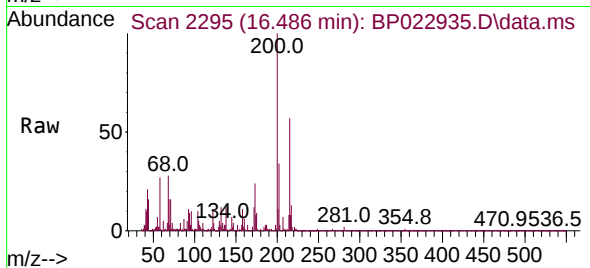
Tgt Ion:	200	Resp:	14684
Ion Ratio	Lower	Upper	
200	100		
173	23.9	2.7	42.7
215	57.2	27.1	67.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#70

Pentachlorophenol

Concen: 2.778 ng m

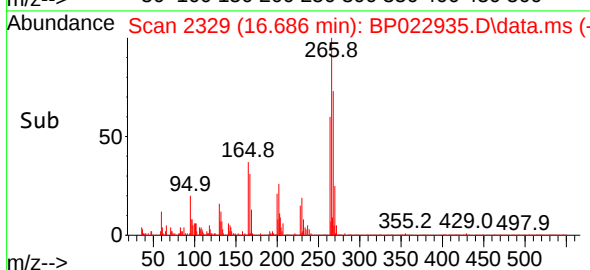
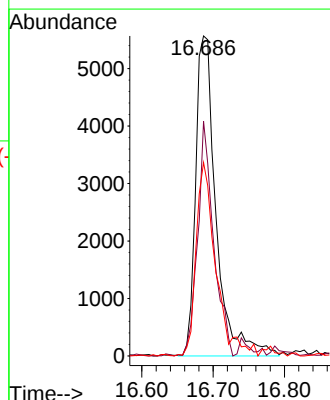
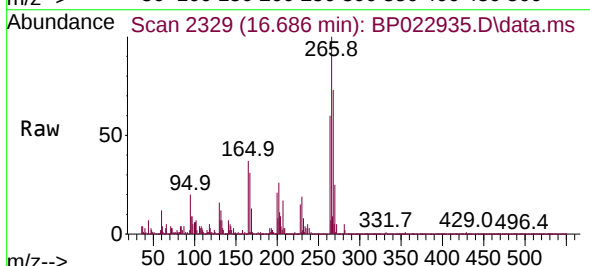
RT: 16.686 min Scan# 2329

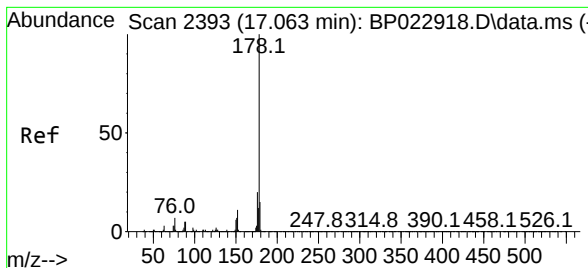
Delta R.T. 0.018 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:	266	Resp:	11066
Ion Ratio	Lower	Upper	
266	100		
268	73.3	49.9	74.9
264	60.4	49.7	74.5





#71

Phenanthrene

Concen: 3.702 ng

RT: 17.063 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

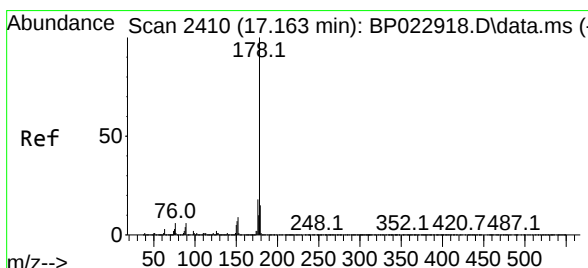
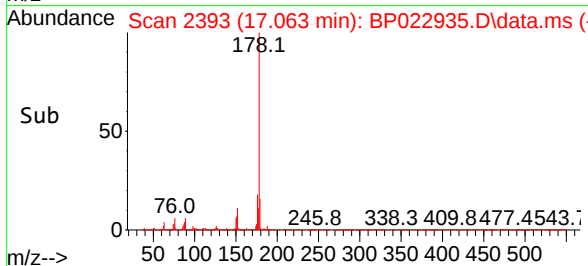
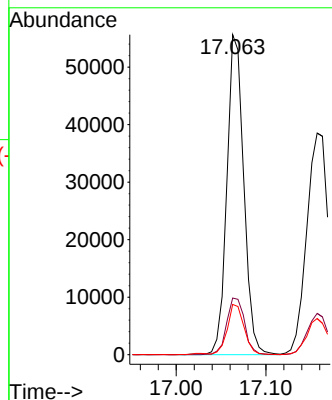
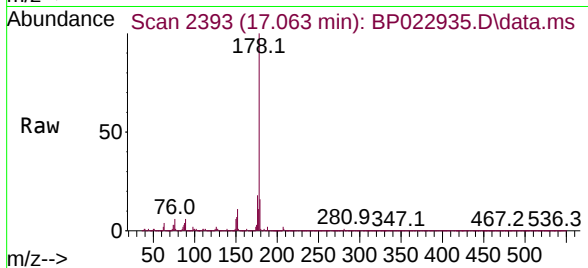
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:178 Resp: 7275
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 15.7 12.0 18.0

Manual Integrations
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Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024



#72

Anthracene

Concen: 3.683 ng

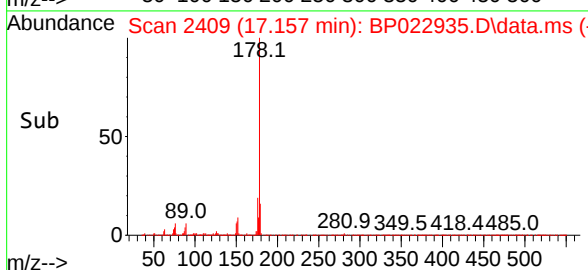
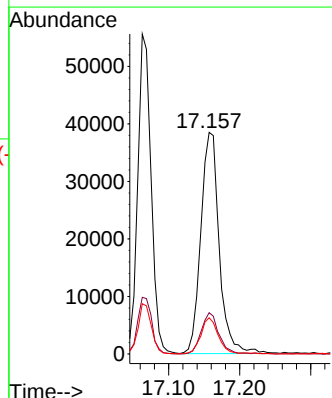
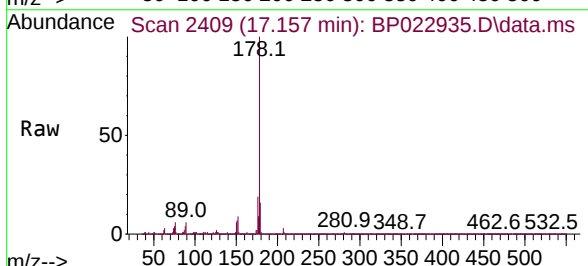
RT: 17.157 min Scan# 2409

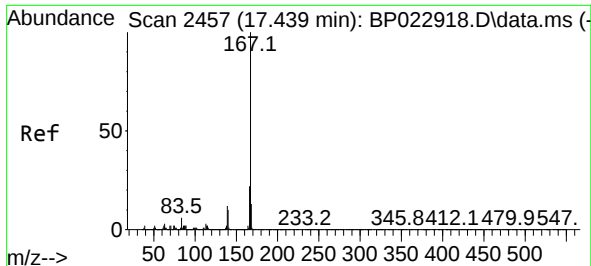
Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:178 Resp: 69447
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 22.0
 179 16.4 12.3 18.5





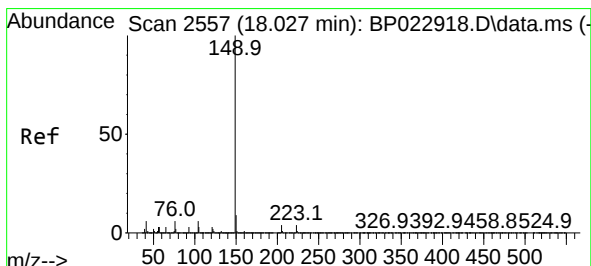
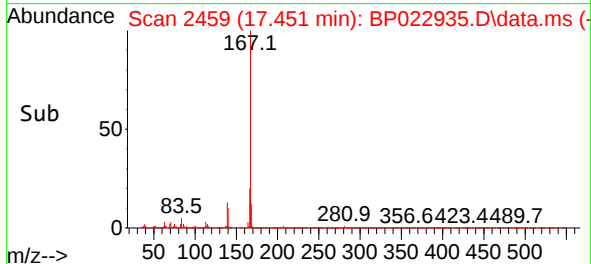
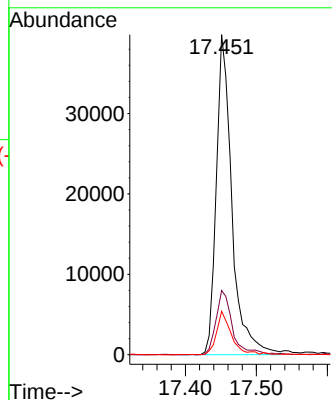
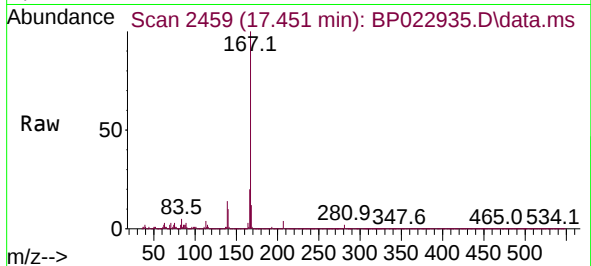
#73
 Carbazole
 Concen: 3.359 ng
 RT: 17.451 min Scan# 2459
 Delta R.T. 0.012 min
 Lab File: BP022935.D
 Acq: 08 Nov 2024 15:30

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:167 Resp: 60508
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.4 26.2
 139 13.6 10.0 15.0

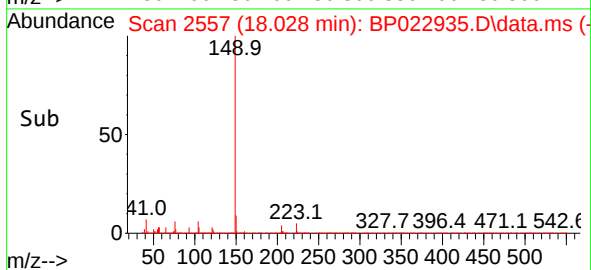
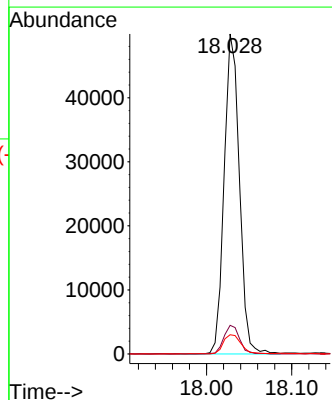
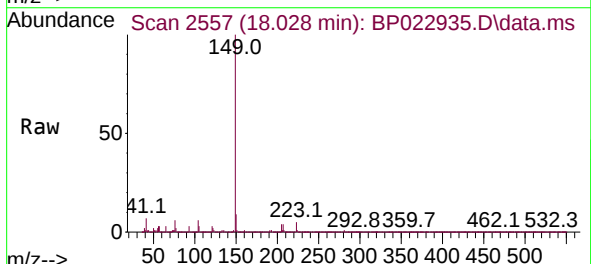
Manual Integrations
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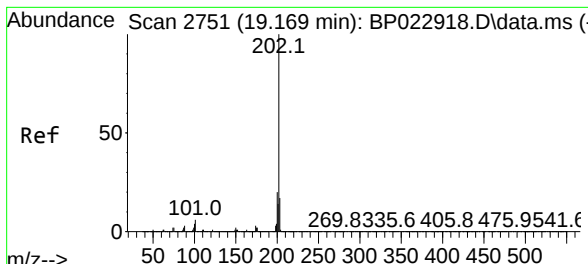
Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024



#74
 Di-n-butylphthalate
 Concen: 3.085 ng
 RT: 18.028 min Scan# 2557
 Delta R.T. 0.000 min
 Lab File: BP022935.D
 Acq: 08 Nov 2024 15:30

Tgt Ion:149 Resp: 61929
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.2 10.8
 104 6.0 4.8 7.2





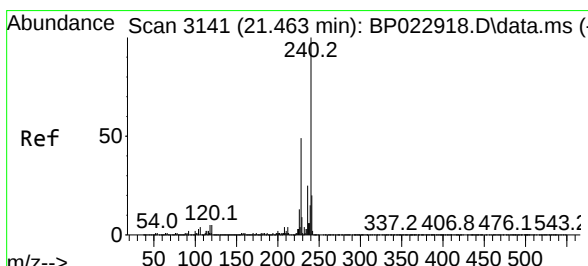
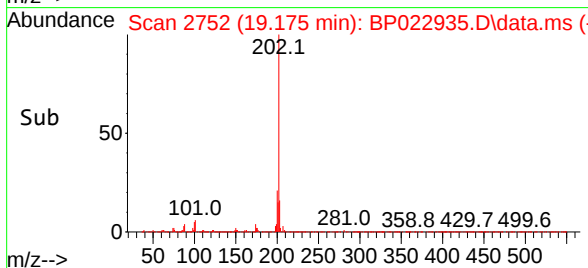
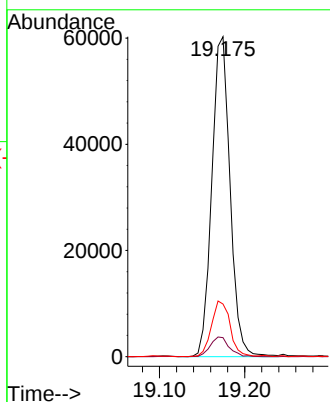
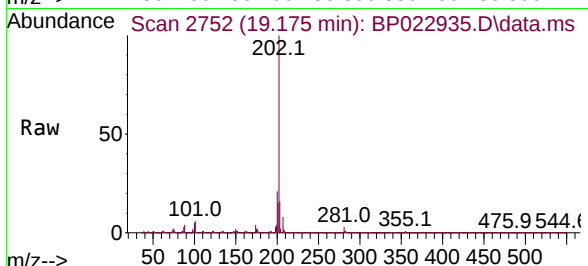
#75
 Fluoranthene
 Concen: 3.288 ng
 RT: 19.175 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BP022935.D
 Acq: 08 Nov 2024 15:30

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:	202	Resp:	89634
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	25.5
203	16.5	0.0	37.2

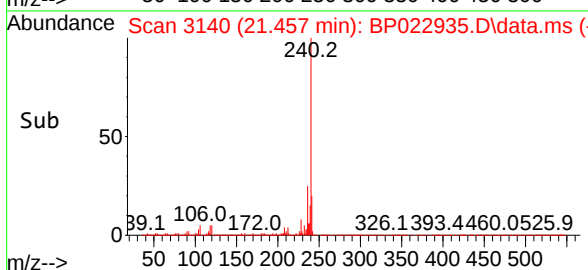
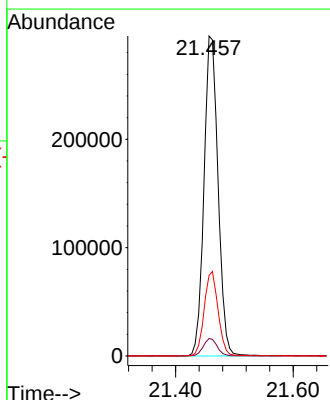
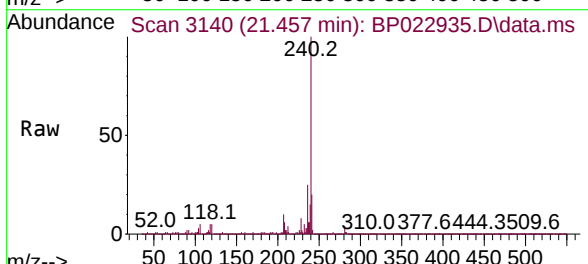
Manual Integrations
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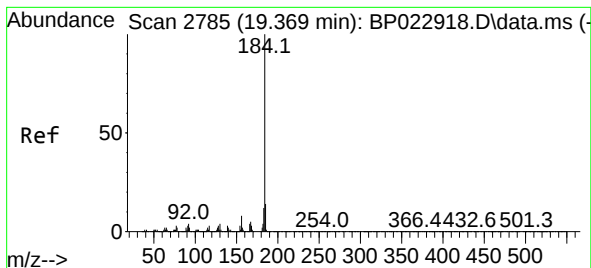
Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.457 min Scan# 3140
 Delta R.T. -0.006 min
 Lab File: BP022935.D
 Acq: 08 Nov 2024 15:30

Tgt Ion:	240	Resp:	491231
Ion Ratio	Lower	Upper	
240	100		
120	5.5	4.2	6.2
236	25.2	20.4	30.6





#77

Benzidine

Concen: 4.233 ng

RT: 19.369 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

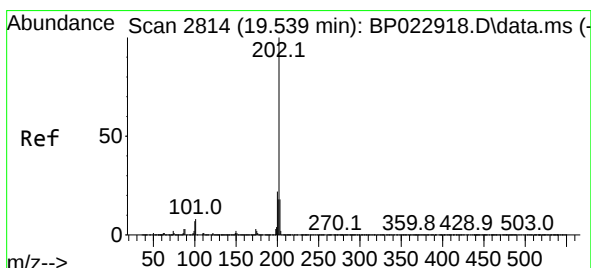
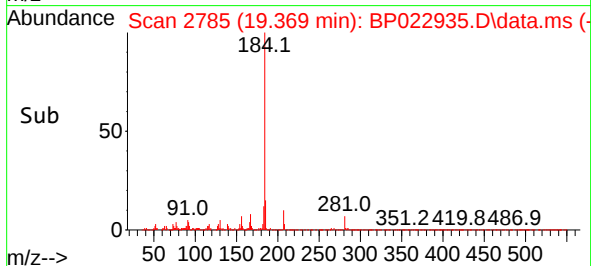
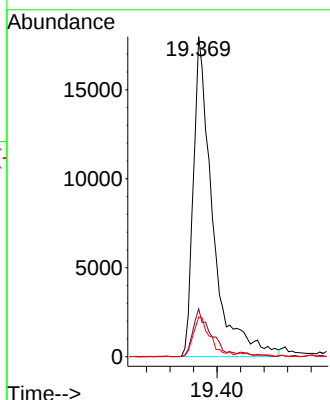
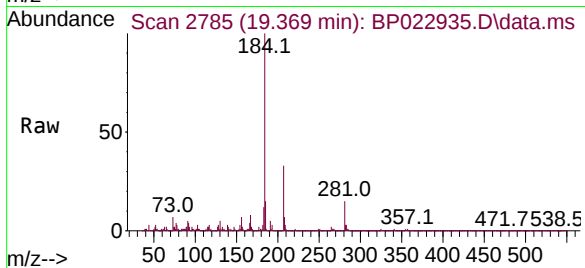
Tgt Ion:	184	Resp:	4108
Ion Ratio	Lower	Upper	
184	100		
185	14.9	11.3	16.9
183	12.4	9.7	14.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#78

Pyrene

Concen: 3.343 ng

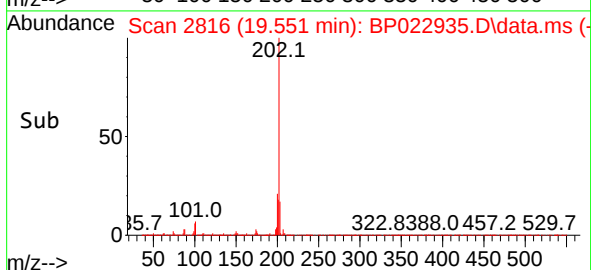
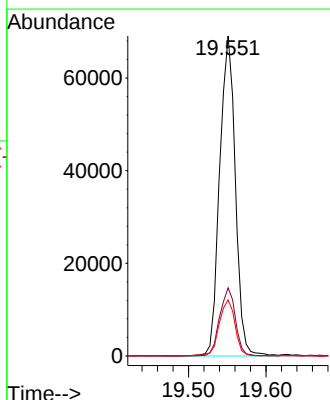
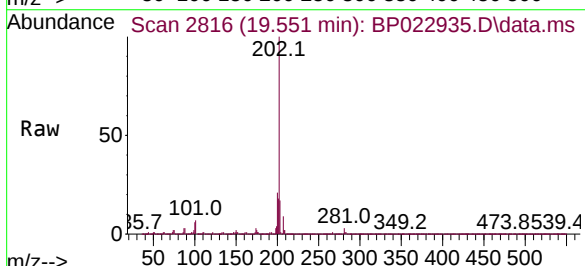
RT: 19.551 min Scan# 2816

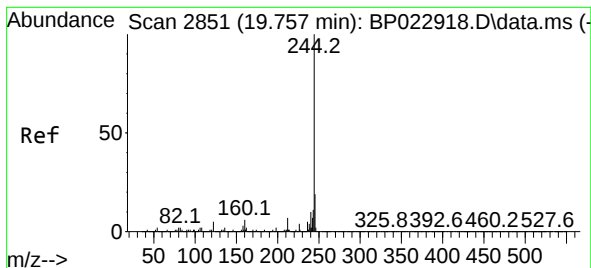
Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:	202	Resp:	97202
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.0
203	17.5	14.2	21.2





#79

Terphenyl-d14

Concen: 82.722 ng

RT: 19.757 min Scan# 2851

Delta R.T. 0.000 min

Lab File: BP022935.D

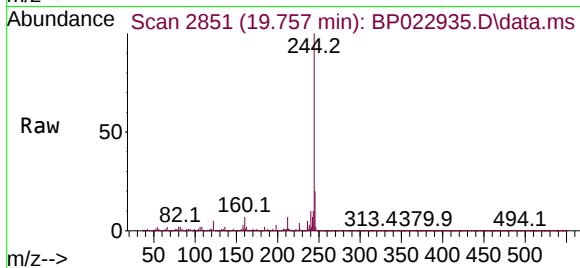
Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:244 Resp: 2163740

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

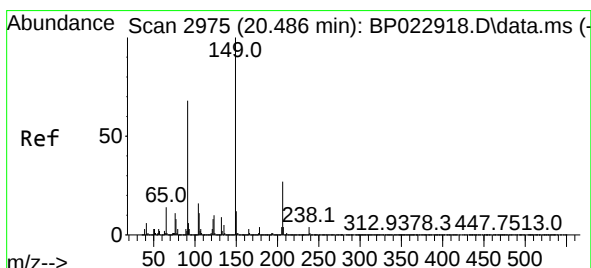
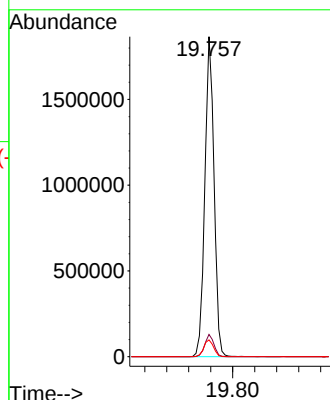
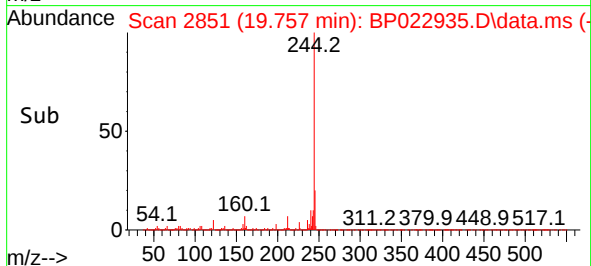
122 5.3 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#80

Butylbenzylphthalate

Concen: 2.874 ng

RT: 20.498 min Scan# 2977

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

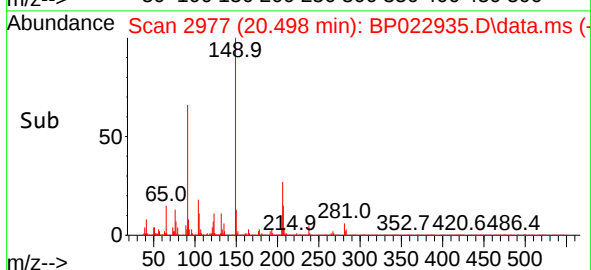
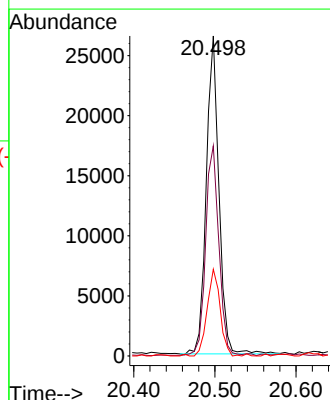
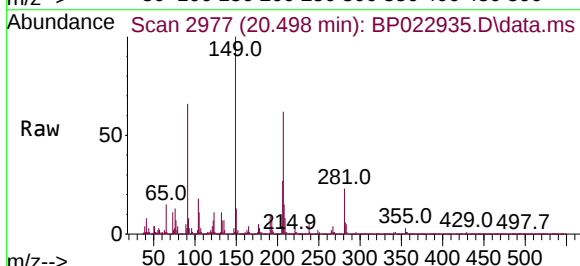
Tgt Ion:149 Resp: 28489

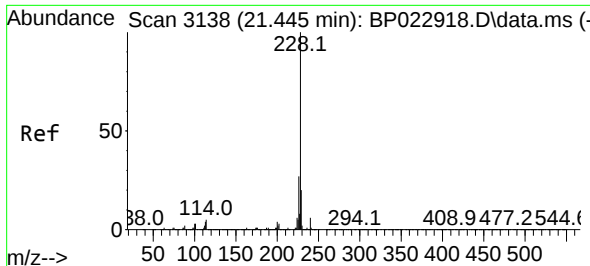
Ion Ratio Lower Upper

149 100

91 65.6 54.6 82.0

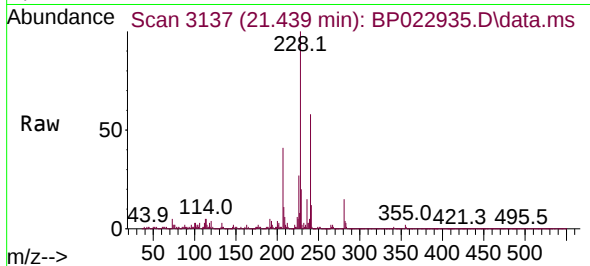
206 27.1 21.3 31.9





#81
Benzo(a)anthracene
Concen: 3.579 ng
RT: 21.439 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

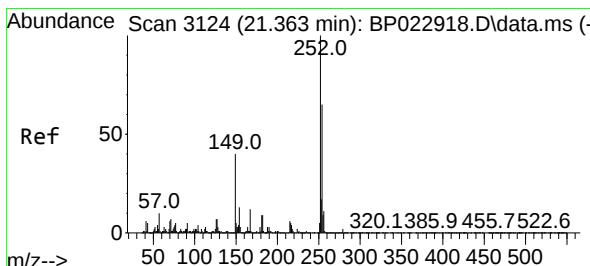
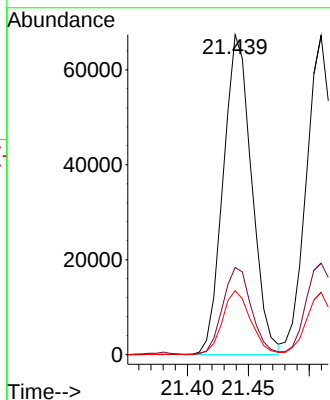
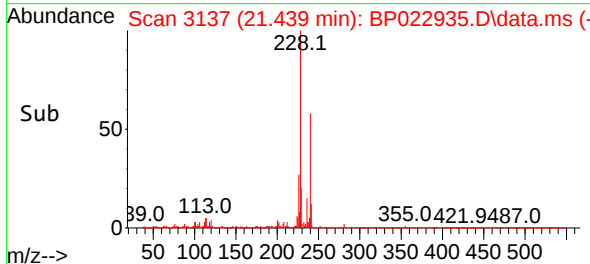
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:228 Resp: 109397
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.6
229 20.0 16.0 24.0

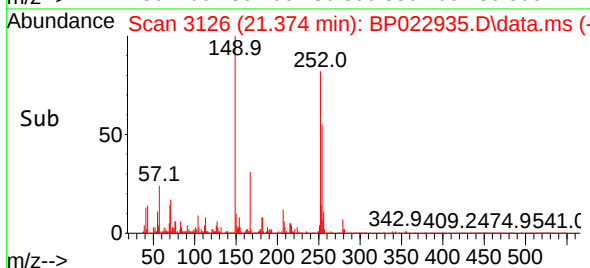
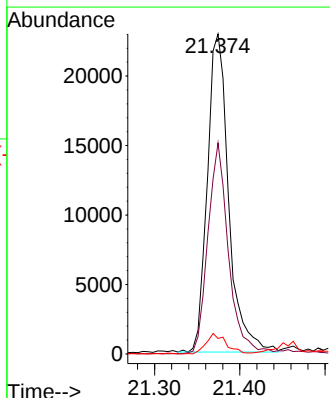
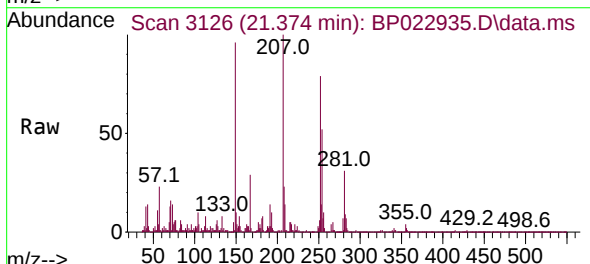
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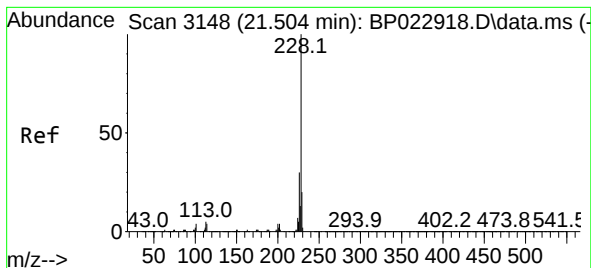
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#82
3,3'-Dichlorobenzidine
Concen: 3.221 ng
RT: 21.374 min Scan# 3126
Delta R.T. 0.012 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:252 Resp: 39858
Ion Ratio Lower Upper
252 100
254 65.9 51.7 77.5
126 4.8 5.4 8.0#





#83

Chrysene

Concen: 3.694 ng

RT: 21.510 min Scan# 3149

Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

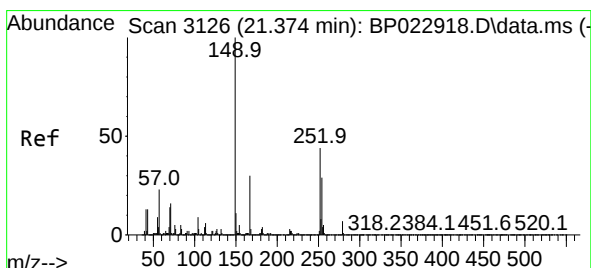
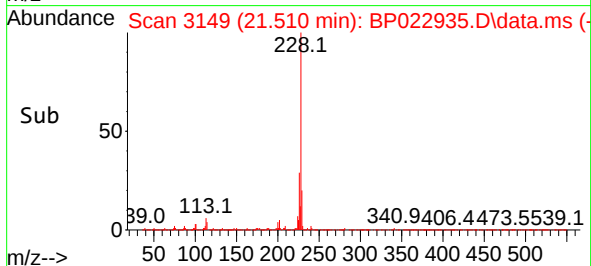
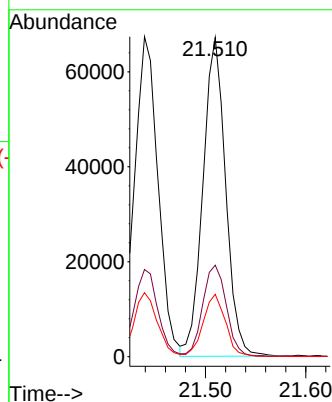
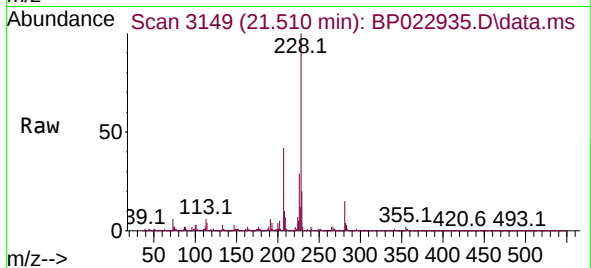
Tgt Ion:	228	Resp:	10576
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.8	35.6
229	19.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.894 ng

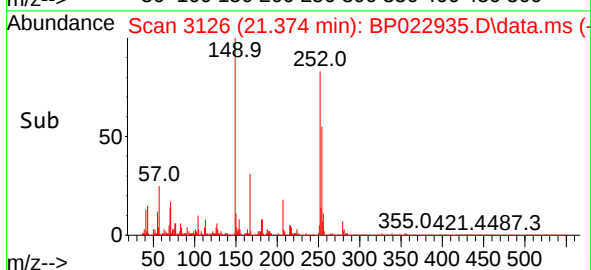
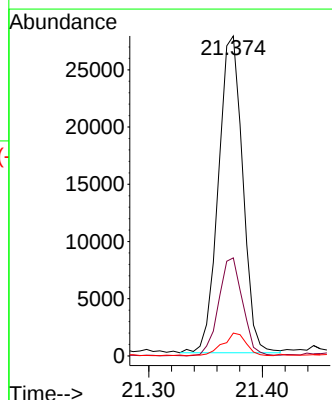
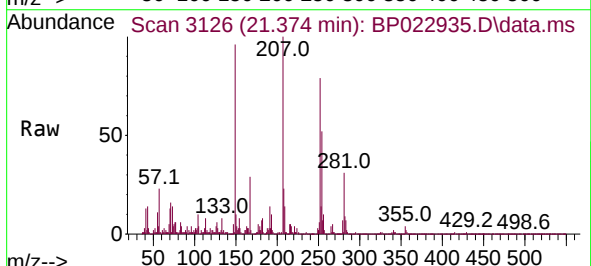
RT: 21.374 min Scan# 3126

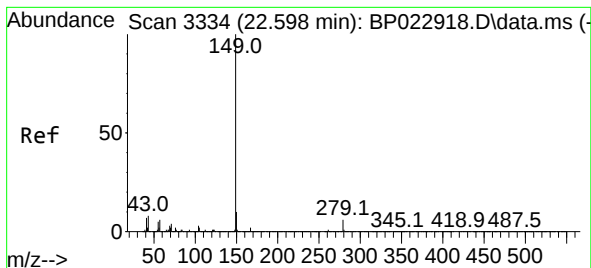
Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:	149	Resp:	41169
Ion Ratio	Lower	Upper	
149	100		
167	30.7	23.7	35.5
279	7.2	5.3	7.9





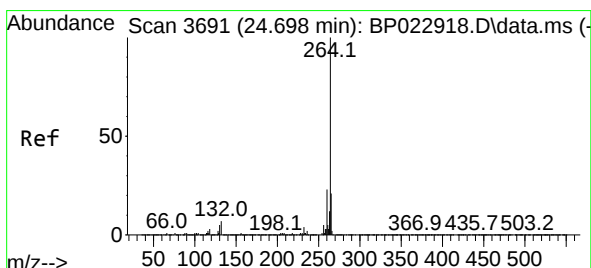
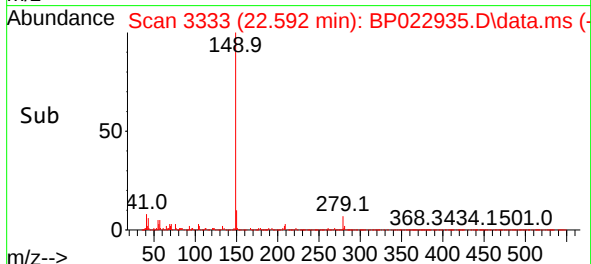
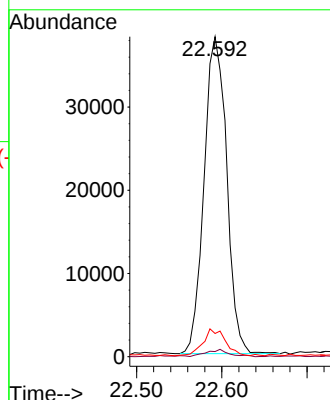
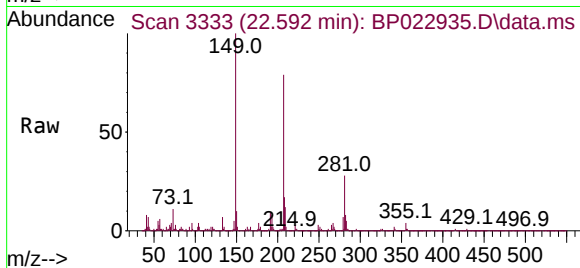
#85
Di-n-octyl phthalate
Concen: 2.956 ng
RT: 22.592 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:149 Resp: 70294
Ion Ratio Lower Upper
149 100
167 2.2 1.4 2.0
43 8.2 6.3 9.5

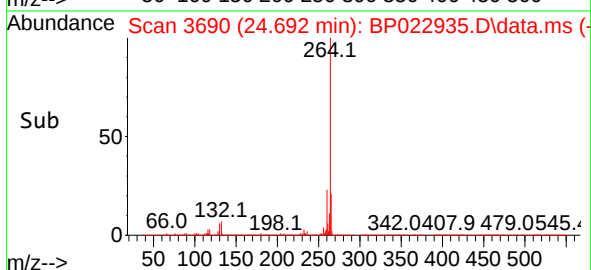
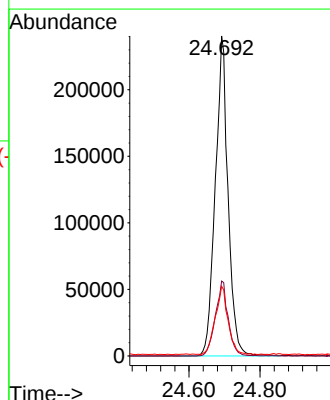
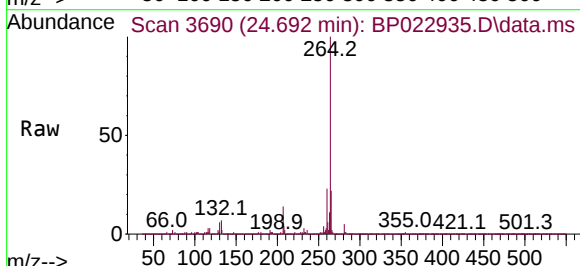
Manual Integrations
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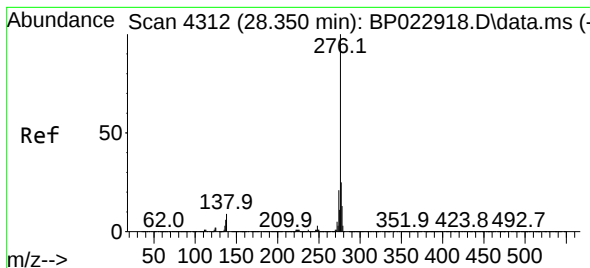
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.692 min Scan# 3690
Delta R.T. -0.006 min
Lab File: BP022935.D
Acq: 08 Nov 2024 15:30

Tgt Ion:264 Resp: 597497
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.683 ng

RT: 28.362 min Scan# 4312

Delta R.T. 0.012 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:276 Resp: 148418

Ion Ratio Lower Upper

276 100

138 4.9 8.7 13.1

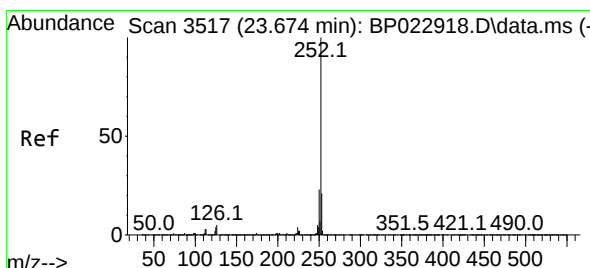
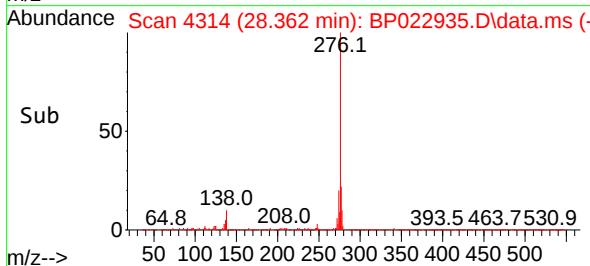
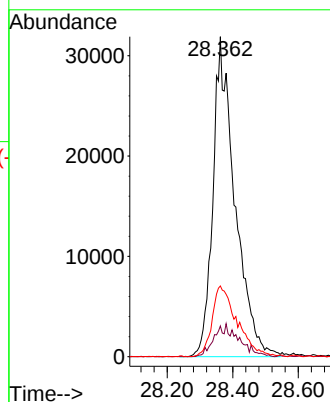
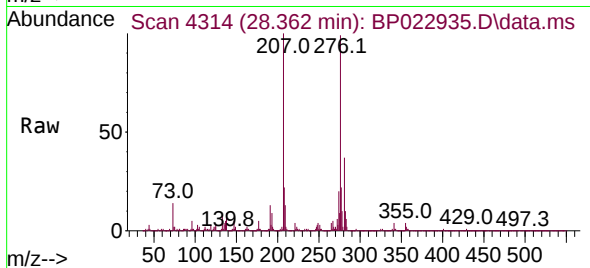
277 25.0 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#88

Benzo(b)fluoranthene

Concen: 3.366 ng m

RT: 23.674 min Scan# 3517

Delta R.T. 0.000 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

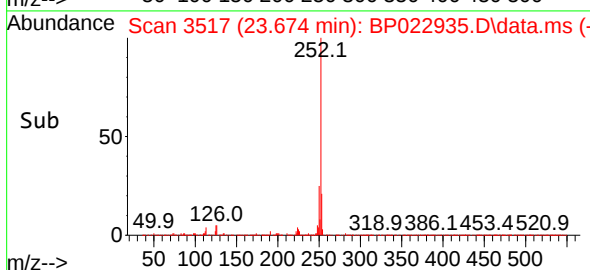
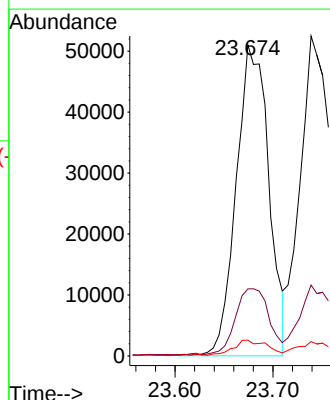
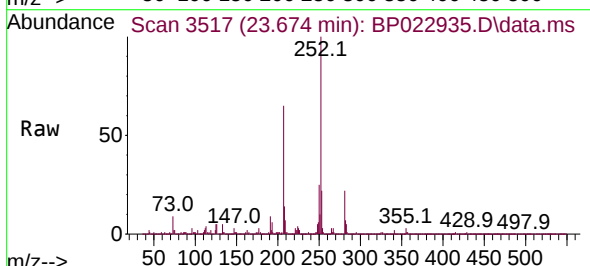
Tgt Ion:252 Resp: 118165

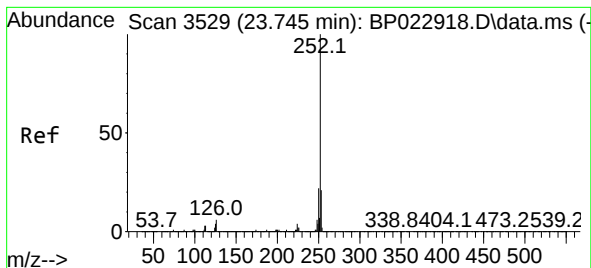
Ion Ratio Lower Upper

252 100

253 21.5 16.8 25.2

125 5.1 3.2 4.8#





#89

Benzo(k)fluoranthene

Concen: 3.648 ng

RT: 23.739 min Scan# 3529

Delta R.T. -0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

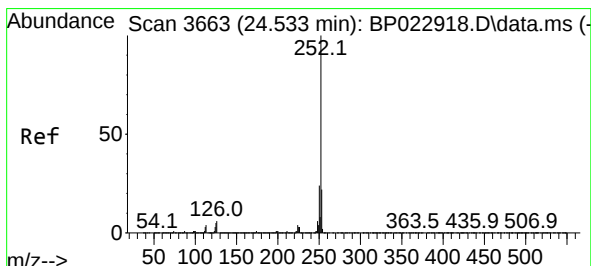
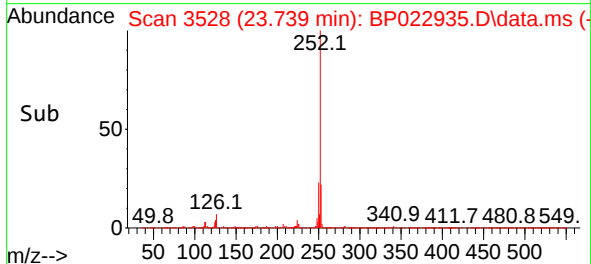
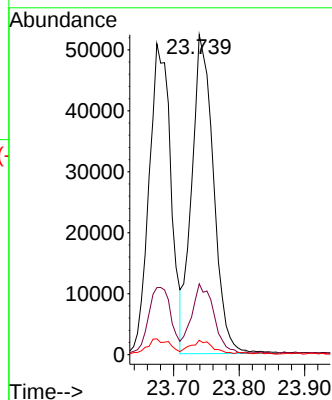
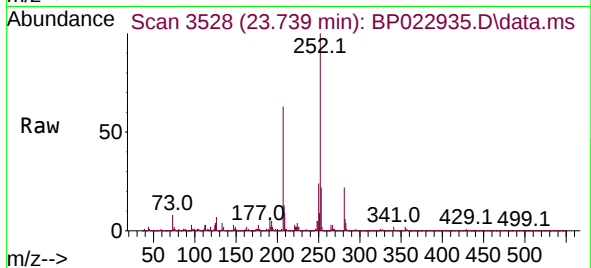
Tgt Ion:	252	Resp:	12090
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	4.5	3.4	5.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 3.575 ng

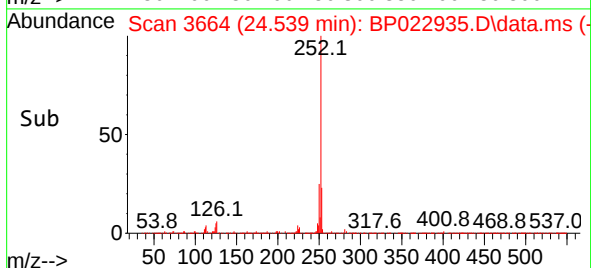
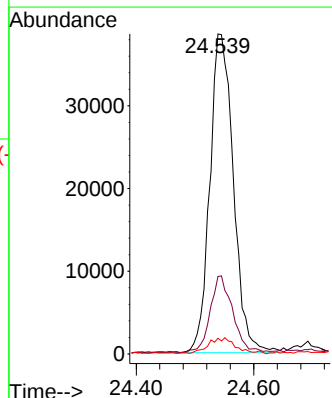
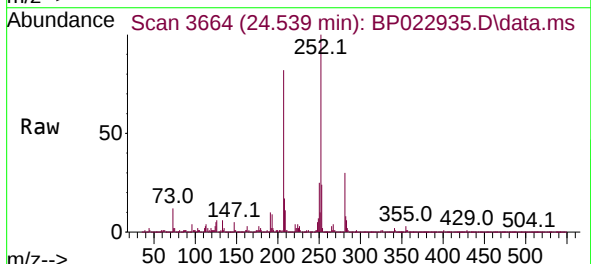
RT: 24.539 min Scan# 3664

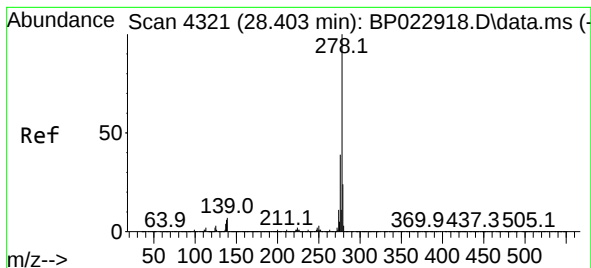
Delta R.T. 0.006 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:	252	Resp:	107369
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.7	26.5
125	4.9	4.0	6.0





#91

Dibenzo(a,h)anthracene

Concen: 3.647 ng

RT: 28.421 min Scan# 41

Delta R.T. 0.018 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

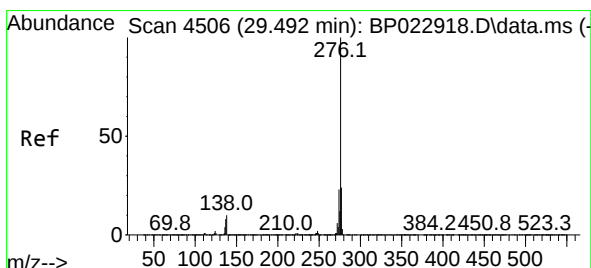
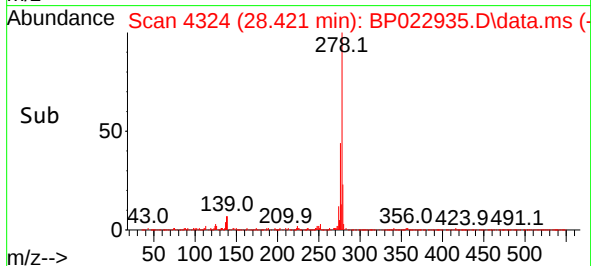
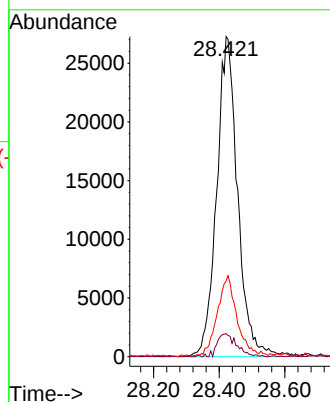
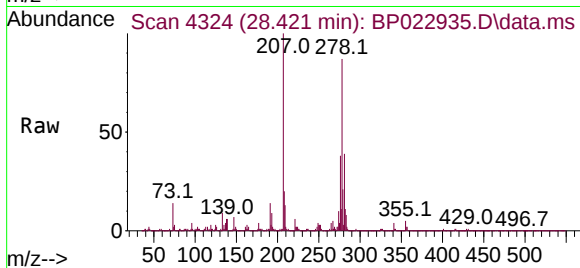
Tgt Ion:	278	Resp:	12054
Ion Ratio	Lower	Upper	
278	100		
139	7.3	5.4	8.2
279	23.6	19.3	28.9

Manual Integrations

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#92

Benzo(g,h,i)perylene

Concen: 3.350 ng

RT: 29.515 min Scan# 4510

Delta R.T. 0.024 min

Lab File: BP022935.D

Acq: 08 Nov 2024 15:30

Tgt Ion:	276	Resp:	113451
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	8.2	7.6	11.4

