

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
 Data File : BP022936.D
 Acq On : 08 Nov 2024 16:10
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-8 PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Nov 08 17:10:32 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	7.599	152	49264	20.000	ng	0.00
21) Naphthalene-d8	10.346	136	190044	20.000	ng	0.00
39) Acenaphthene-d10	14.210	164	159992	20.000	ng	0.00
64) Phenanthrene-d10	17.022	188	417330	20.000	ng	0.00
76) Chrysene-d12	21.457	240	515124	20.000	ng	0.00
86) Perylene-d12	24.698	264	630683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	306667	118.136	ng	0.00
7) Phenol-d6	6.793	99	437712	120.910	ng	0.00
23) Nitrobenzene-d5	8.740	82	358742	89.181	ng	0.00
42) 2,4,6-Tribromophenol	15.751	330	428072	138.037	ng	0.00
45) 2-Fluorobiphenyl	12.816	172	978245	87.365	ng	0.00
79) Terphenyl-d14	19.757	244	2440770	88.985	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.175	88	8971	8.656	ng	99
3) Pyridine	3.593	79	20293	7.131	ng	# 88
4) n-Nitrosodimethylamine	3.493	42	12283	8.954	ng	# 77
6) Aniline	6.940	93	31787	10.533	ng	97
8) 2-Chlorophenol	7.169	128	21803	8.013	ng	90
9) Benzaldehyde	6.769	77	21731m	10.387	ng	
10) Phenol	6.822	94	30006	8.369	ng	91
11) bis(2-Chloroethyl)ether	7.040	93	23249	8.583	ng	97
12) 1,3-Dichlorobenzene	7.487	146	27148	7.818	ng	98
13) 1,4-Dichlorobenzene	7.634	146	26805	7.559	ng	99
14) 1,2-Dichlorobenzene	7.940	146	26471	7.721	ng	98
15) Benzyl Alcohol	7.846	79	20610	7.516	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.105	45	26742	9.100	ng	97
17) 2-Methylphenol	8.052	107	19703	8.096	ng	96
18) Hexachloroethane	8.652	117	10329	7.874	ng	89
19) n-Nitroso-di-n-propyla...	8.393	70	22204	8.961	ng	93
20) 3+4-Methylphenols	8.381	107	26573	7.813	ng	96
22) Acetophenone	8.411	105	43756	8.650	ng	# 93
24) Nitrobenzene	8.781	77	32897	8.051	ng	95
25) Isophorone	9.299	82	56953	8.365	ng	97
26) 2-Nitrophenol	9.493	139	12037	7.174	ng	88
27) 2,4-Dimethylphenol	9.552	122	15985	8.343	ng	98
28) bis(2-Chloroethoxy)met...	9.775	93	31885	8.245	ng	99
29) 2,4-Dichlorophenol	10.028	162	25485	7.684	ng	92
30) 1,2,4-Trichlorobenzene	10.216	180	32582	7.685	ng	99
31) Naphthalene	10.399	128	76104	7.992	ng	99
32) Benzoic acid	9.663	122	15321m	6.659	ng	
33) 4-Chloroaniline	10.528	127	29836	8.803	ng	# 92
34) Hexachlorobutadiene	10.669	225	23559	7.576	ng	96
35) Caprolactam	11.322	113	7670m	7.725	ng	
36) 4-Chloro-3-methylphenol	11.663	107	27427	7.417	ng	99
37) 2-Methylnaphthalene	12.010	142	57742	8.097	ng	96
38) 1-Methylnaphthalene	12.234	142	55816m	7.885	ng	
40) 1,2,4,5-Tetrachloroben...	12.387	216	44150	8.151	ng	99
41) Hexachlorocyclopentadiene	12.357	237	11262	7.404	ng	99
43) 2,4,6-Trichlorophenol	12.646	196	26370	7.655	ng	98

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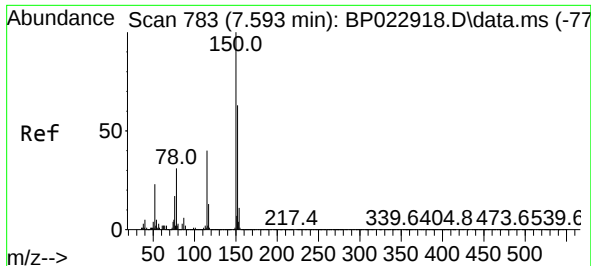
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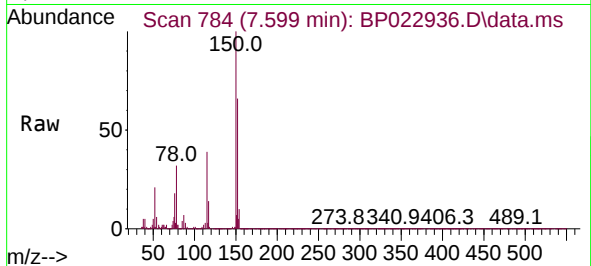
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.728	196	28015	7.144	ng	99
46) 1,1'-Biphenyl	13.034	154	90140	8.475	ng	96
47) 2-Chloronaphthalene	13.075	162	68976	7.815	ng	93
48) 2-Nitroaniline	13.310	65	18697	7.271	ng	99
49) Acenaphthylene	13.940	152	108653	8.815	ng	100
50) Dimethylphthalate	13.681	163	97423	8.317	ng	98
51) 2,6-Dinitrotoluene	13.793	165	20173	7.574	ng	# 85
52) Acenaphthene	14.293	154	63115	7.963	ng	97
53) 3-Nitroaniline	14.146	138	16503	7.626	ng	94
54) 2,4-Dinitrophenol	14.387	184	10536	6.375	ng	93
55) Dibenzofuran	14.628	168	117734	8.458	ng	98
56) 4-Nitrophenol	14.504	139	10284	5.778	ng	92
57) 2,4-Dinitrotoluene	14.628	165	28912	7.509	ng	# 81
58) Fluorene	15.281	166	95109	8.224	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.863	232	30451	8.051	ng	98
60) Diethylphthalate	15.063	149	95181	8.170	ng	99
61) 4-Chlorophenyl-phenyle...	15.281	204	55394	8.127	ng	97
62) 4-Nitroaniline	15.334	138	16082m	7.242	ng	
63) Azobenzene	15.581	77	86255	8.610	ng	99
65) 4,6-Dinitro-2-methylph...	15.410	198	17492	6.889	ng	95
66) n-Nitrosodiphenylamine	15.504	169	83659	8.108	ng	99
67) 4-Bromophenyl-phenylether	16.198	248	40624	8.116	ng	94
68) Hexachlorobenzene	16.316	284	50348	7.853	ng	98
69) Atrazine	16.487	200	35408	10.181	ng	97
70) Pentachlorophenol	16.675	266	27779	6.785	ng	91
71) Phenanthrene	17.063	178	167382	8.288	ng	99
72) Anthracene	17.169	178	168329	8.684	ng	99
73) Carbazole	17.451	167	145518	7.861	ng	98
74) Di-n-butylphthalate	18.028	149	158002	7.658	ng	99
75) Fluoranthene	19.163	202	221614	7.910	ng	100
77) Benzidine	19.375	184	98710	9.698	ng	99
78) Pyrene	19.545	202	237179	7.779	ng	99
80) Butylbenzylphthalate	20.486	149	76133	7.323	ng	96
81) Benzo(a)anthracene	21.439	228	269720	8.414	ng	98
82) 3,3'-Dichlorobenzidine	21.369	252	99795	7.691	ng	97
83) Chrysene	21.504	228	254924	8.490	ng	98
84) Bis(2-ethylhexyl)phtha...	21.375	149	110124	7.381	ng	99
85) Di-n-octyl phthalate	22.598	149	187688	7.528	ng	100
87) Indeno(1,2,3-cd)pyrene	28.357	276	358772	8.434	ng	# 95
88) Benzo(b)fluoranthene	23.669	252	300109	8.099	ng	# 99
89) Benzo(k)fluoranthene	23.733	252	285601	8.163	ng	96
90) Benzo(a)pyrene	24.533	252	269175	8.490	ng	99
91) Dibenzo(a,h)anthracene	28.433	278	292253	8.378	ng	99
92) Benzo(g,h,i)perylene	29.492	276	273009	7.638	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.599 min Scan# 71
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

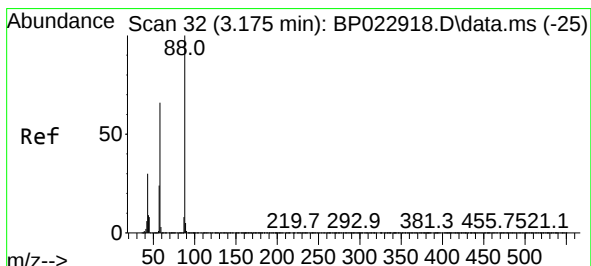
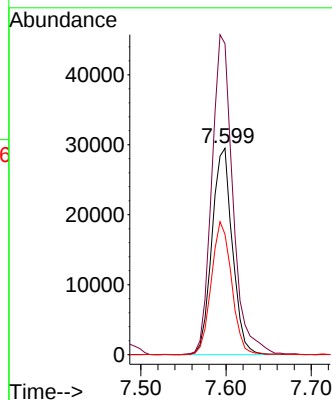
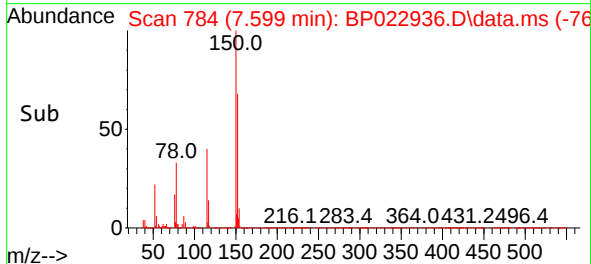
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:152 Resp: 49264
Ion Ratio Lower Upper
152 100
150 150.6 127.0 190.4
115 58.3 50.5 75.7

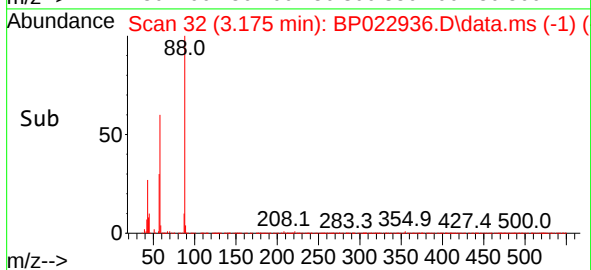
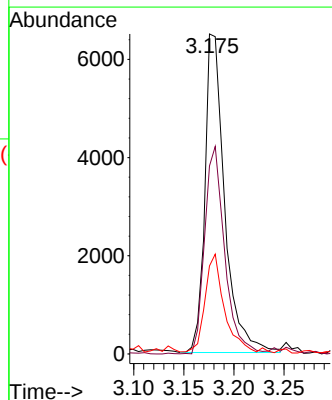
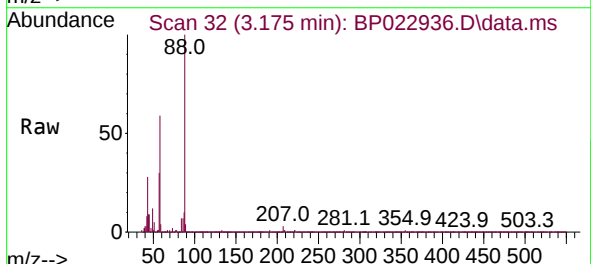
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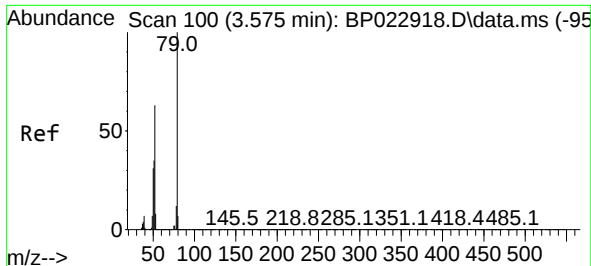
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#2
1,4-Dioxane
Concen: 8.656 ng
RT: 3.175 min Scan# 32
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 88 Resp: 8971
Ion Ratio Lower Upper
88 100
58 65.5 52.8 79.2
43 29.6 23.4 35.0





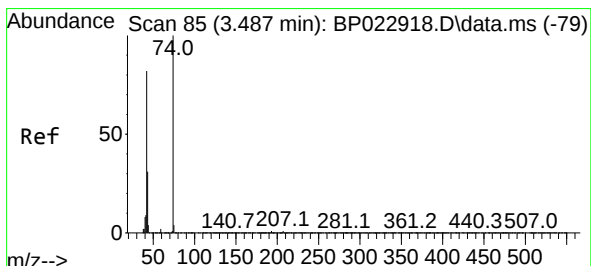
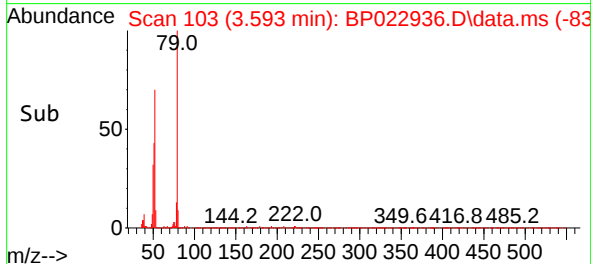
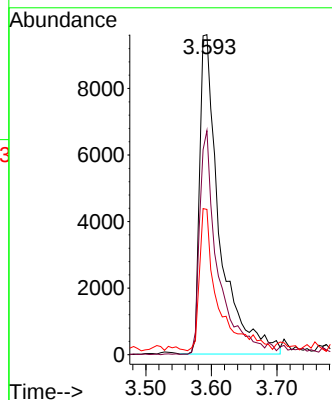
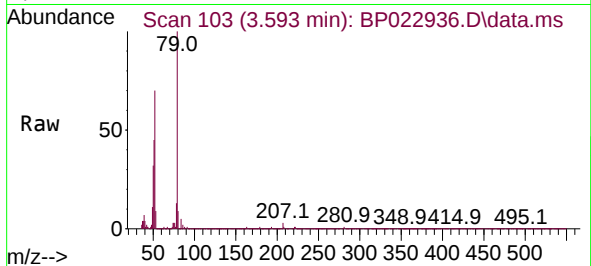
#3
Pyridine
Concen: 7.131 ng
RT: 3.593 min Scan# 103
Delta R.T. 0.018 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion: 79 Resp: 2029
Ion Ratio Lower Upper
79 100
52 70.0 50.4 75.6
51 45.4 28.6 43.0

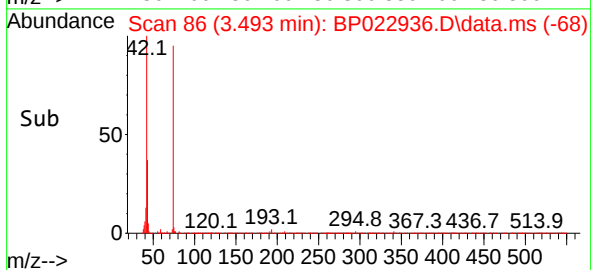
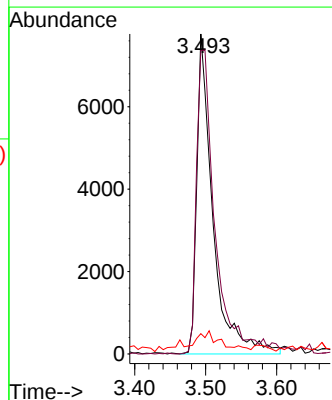
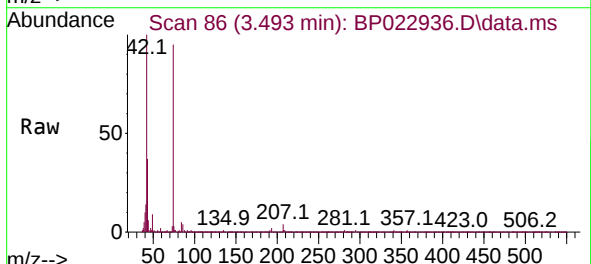
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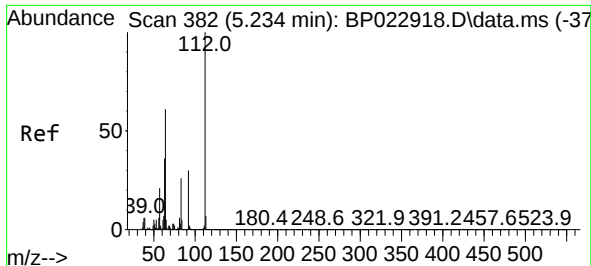
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#4
n-Nitrosodimethylamine
Concen: 8.954 ng
RT: 3.493 min Scan# 86
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 42 Resp: 12283
Ion Ratio Lower Upper
42 100
74 94.9 97.7 146.5
44 6.3 4.5 6.7





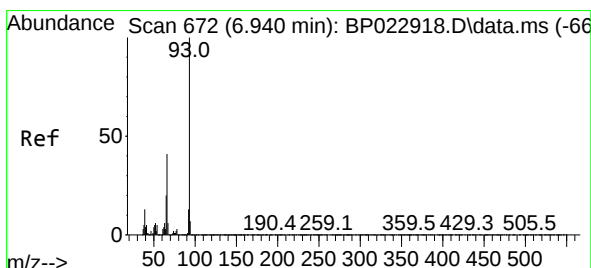
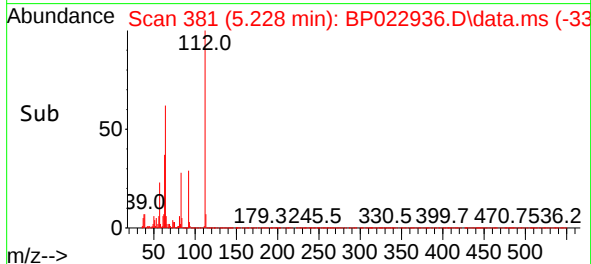
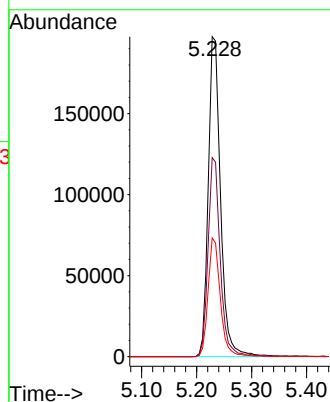
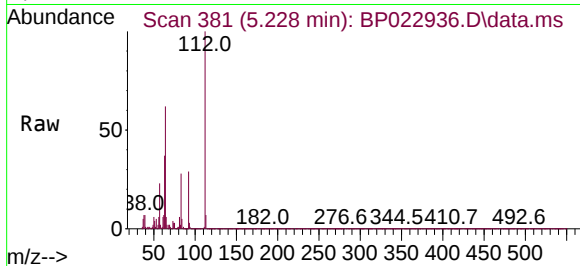
#5
2-Fluorophenol
Concen: 118.136 ng
RT: 5.228 min Scan# 381
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion:112 Resp: 30666
Ion Ratio Lower Upper
112 100
64 62.2 48.7 73.1
63 37.1 29.0 43.4

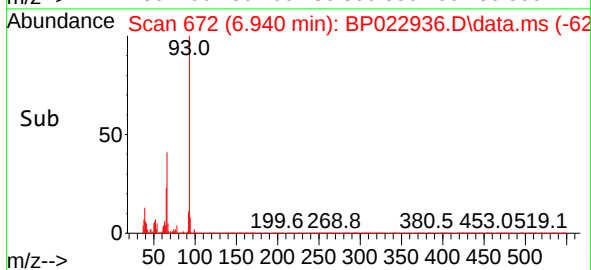
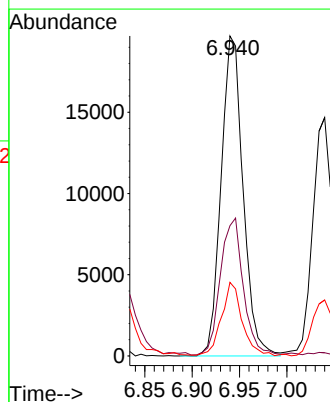
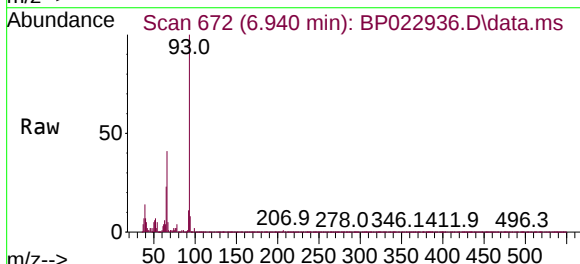
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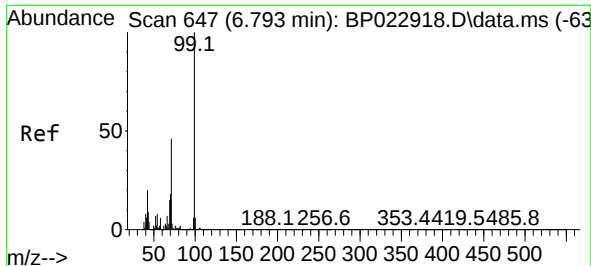
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#6
Aniline
Concen: 10.533 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 93 Resp: 31787
Ion Ratio Lower Upper
93 100
66 40.7 32.9 49.3
65 23.0 16.0 24.0





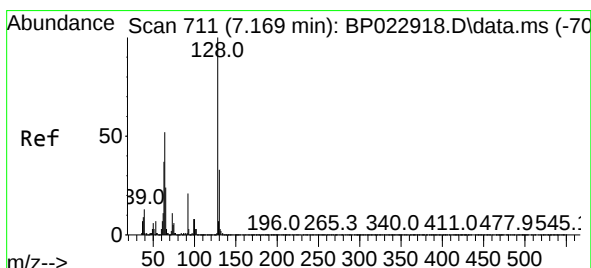
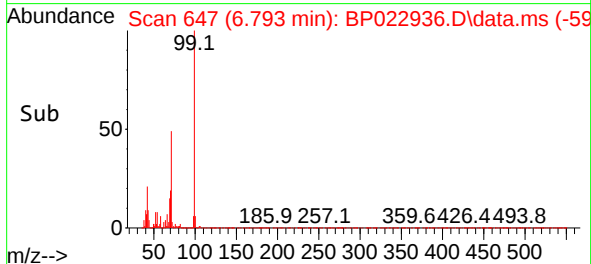
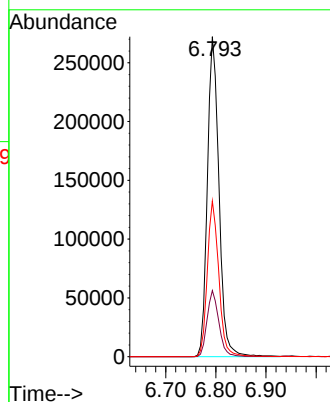
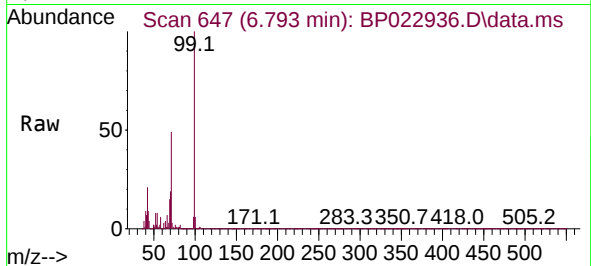
#7
Phenol-d6
Concen: 120.910 ng
RT: 6.793 min Scan# 647
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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Tgt Ion: 99 Resp: 437712
Ion Ratio Lower Upper
99 100
42 20.7 15.8 23.6
71 48.7 36.6 55.0

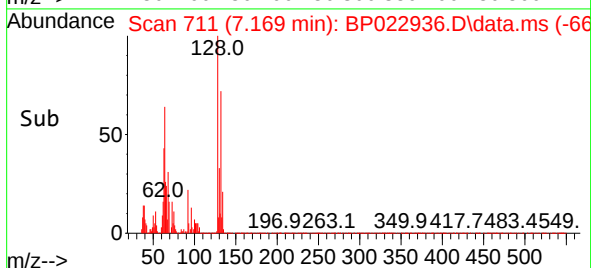
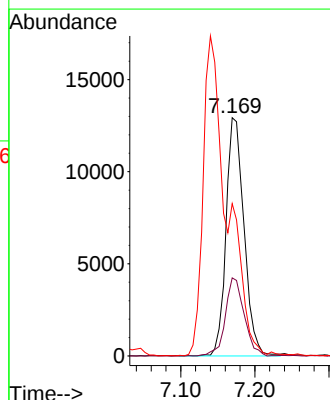
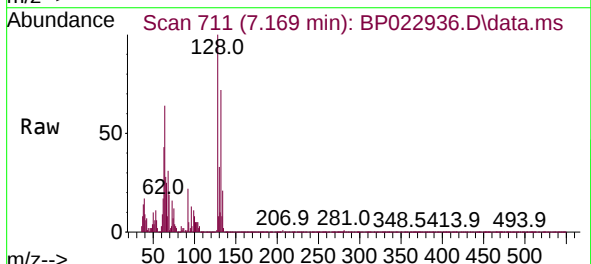
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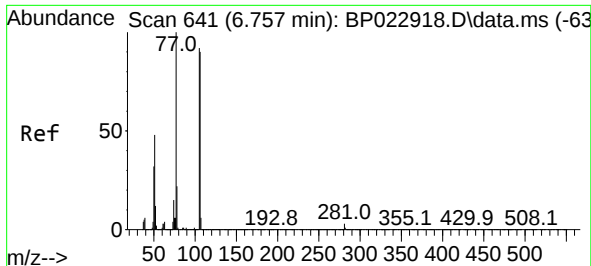
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#8
2-Chlorophenol
Concen: 8.013 ng
RT: 7.169 min Scan# 711
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:128 Resp: 21803
Ion Ratio Lower Upper
128 100
130 32.8 12.6 52.6
64 64.0 32.7 72.7





#9

Benzaldehyde

Concen: 10.387 ng m

RT: 6.769 min Scan# 641

Delta R.T. 0.012 min

Lab File: BP022936.D

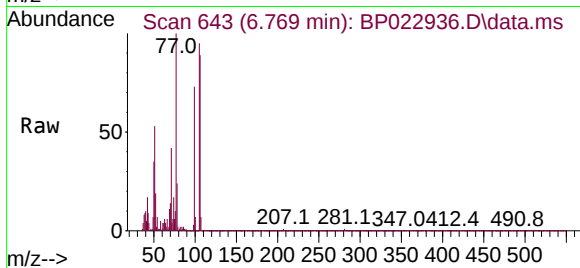
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Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



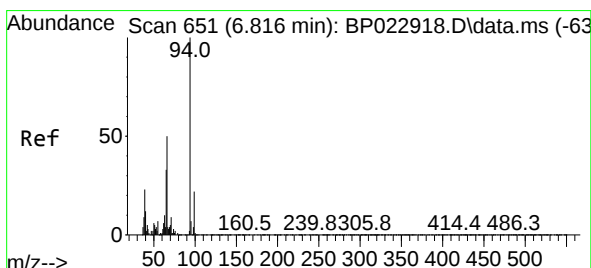
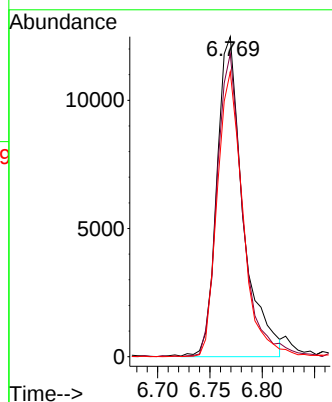
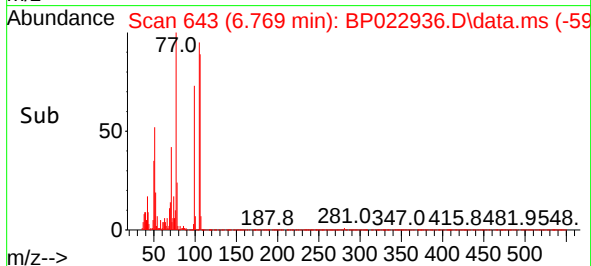
Tgt Ion:	77	Resp:	2173
Ion Ratio	100	Lower	Upper
77	100		
105	94.7	71.4	111.4
106	89.1	69.9	109.9

Manual Integrations

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#10

Phenol

Concen: 8.369 ng

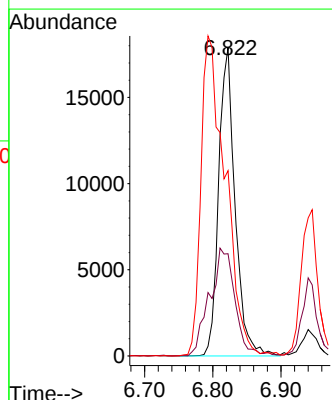
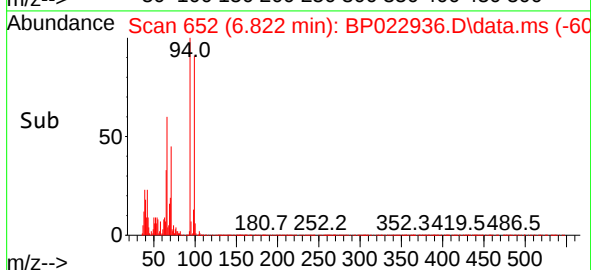
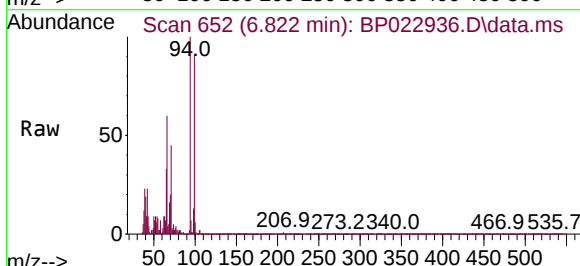
RT: 6.822 min Scan# 652

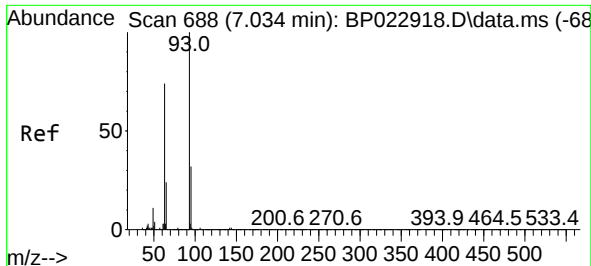
Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

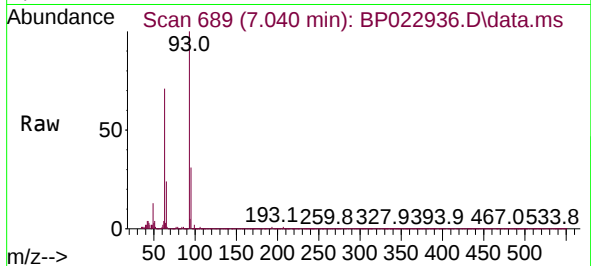
Tgt Ion:	94	Resp:	30006
Ion Ratio	100	Lower	Upper
94	100		
65	33.1	12.9	52.9
66	60.0	30.0	70.0





#11
bis(2-Chloroethyl)ether
Concen: 8.583 ng
RT: 7.040 min Scan# 688
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

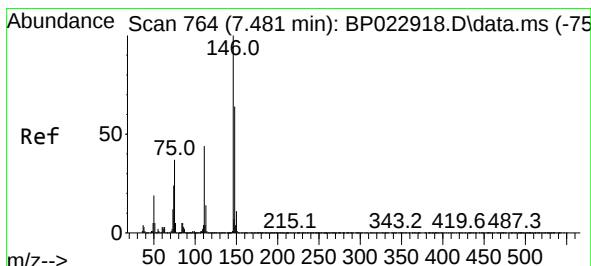
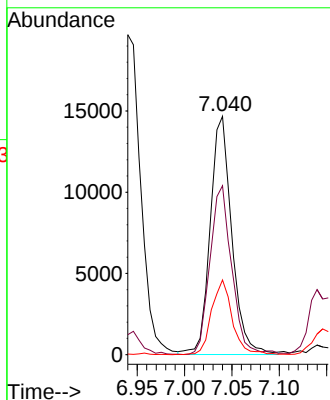
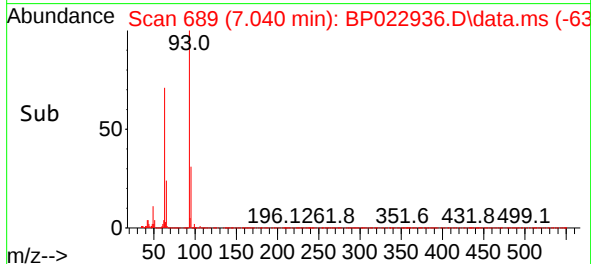
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 93 Resp: 23249
Ion Ratio Lower Upper
93 100
63 70.8 53.6 93.6
95 31.3 12.1 52.1

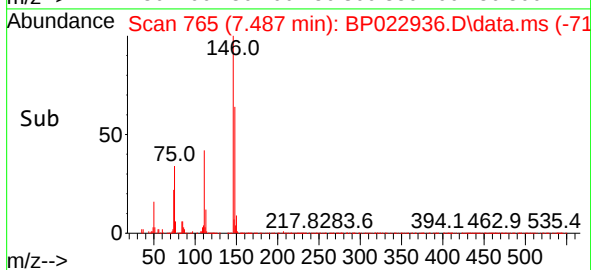
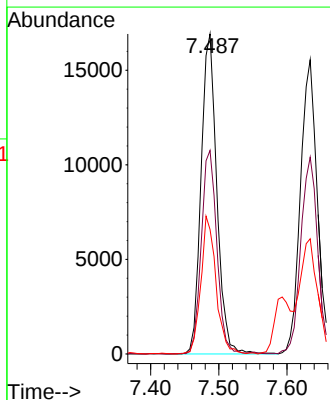
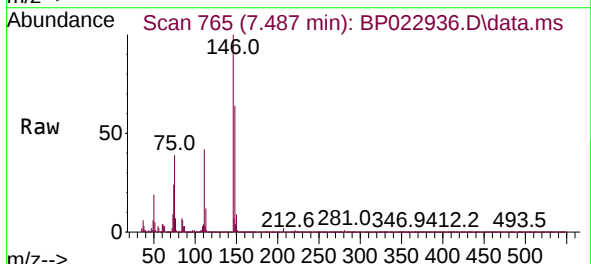
Manual Integrations
APPROVED

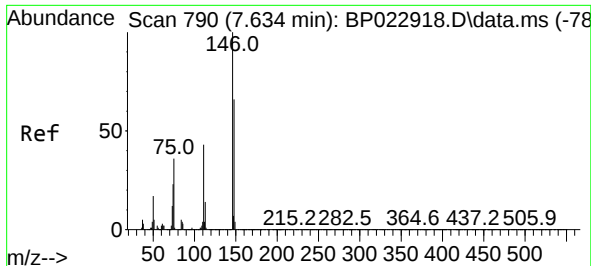
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#12
1,3-Dichlorobenzene
Concen: 7.818 ng
RT: 7.487 min Scan# 765
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:146 Resp: 27148
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.0
75 38.9 29.3 43.9





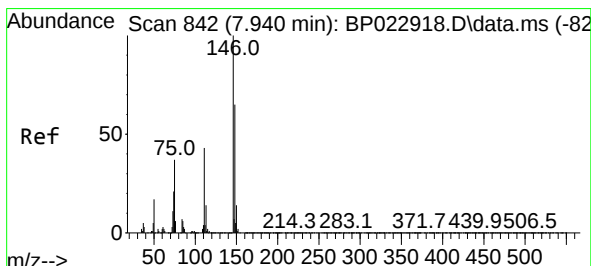
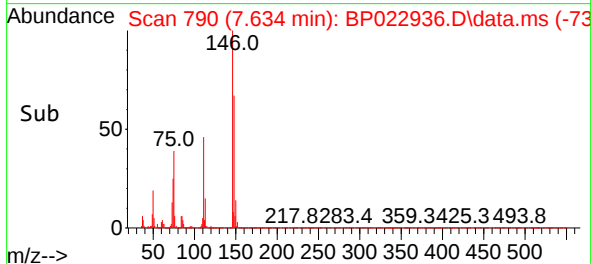
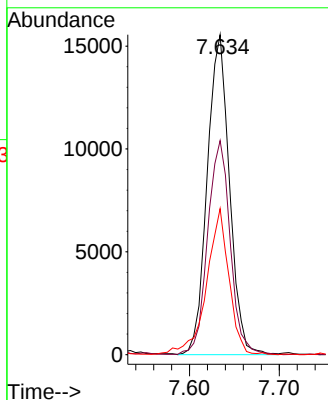
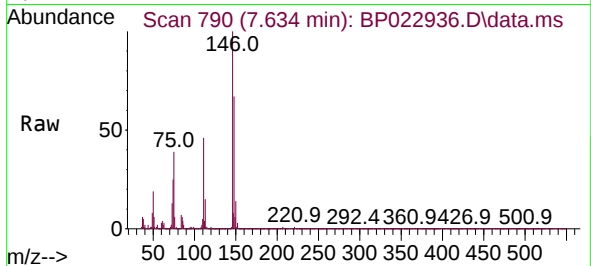
#13
1,4-Dichlorobenzene
Concen: 7.559 ng
RT: 7.634 min Scan# 790
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion:146 Resp: 2680
Ion Ratio Lower Upper
146 100
148 66.9 53.2 79.8
111 45.7 35.0 52.4

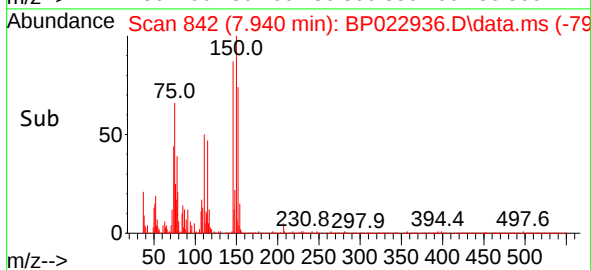
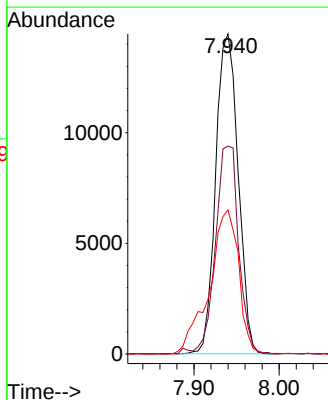
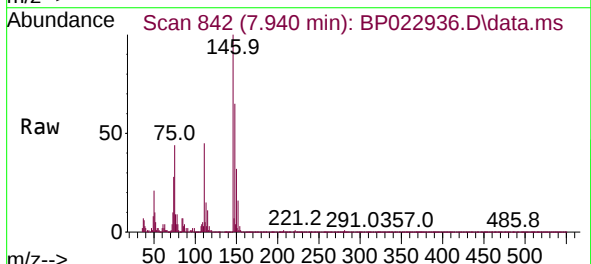
Manual Integrations
APPROVED

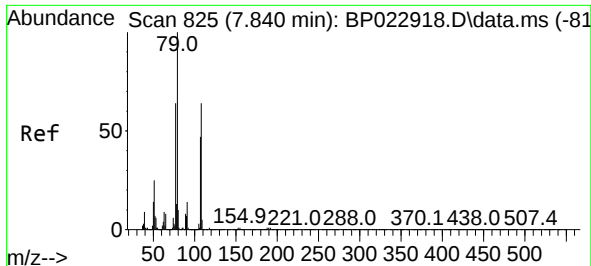
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#14
1,2-Dichlorobenzene
Concen: 7.721 ng
RT: 7.940 min Scan# 842
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:146 Resp: 26471
Ion Ratio Lower Upper
146 100
148 64.9 52.4 78.6
111 45.0 34.2 51.4





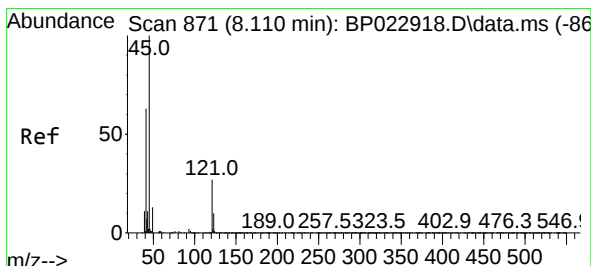
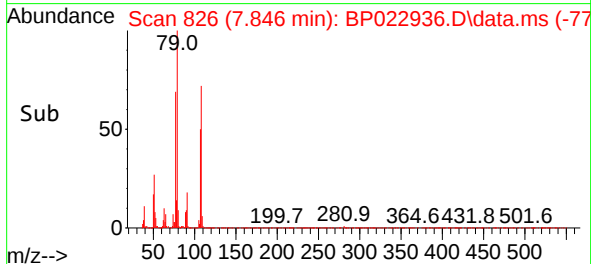
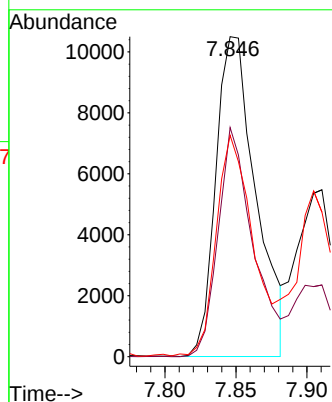
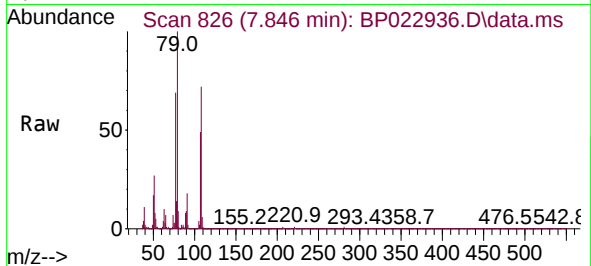
#15
Benzyl Alcohol
Concen: 7.516 ng
RT: 7.846 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion: 79 Resp: 20610
Ion Ratio Lower Upper
79 100
108 71.6 51.2 76.8
77 69.2 51.3 76.9

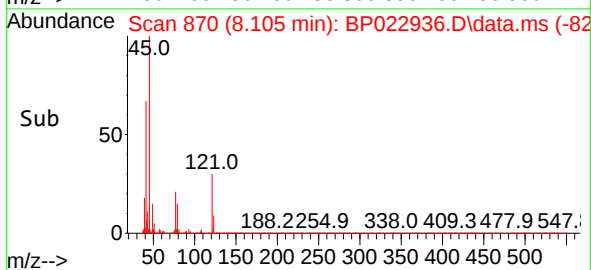
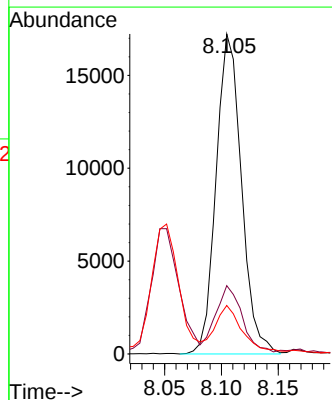
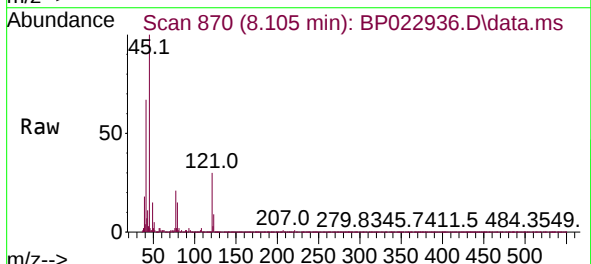
Manual Integrations
APPROVED

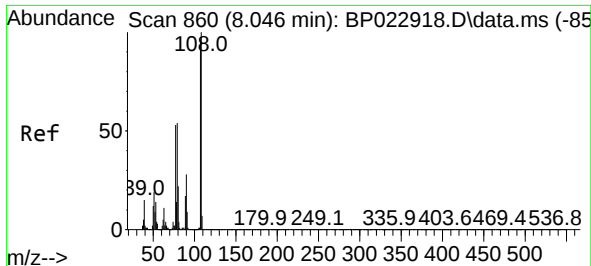
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.100 ng
RT: 8.105 min Scan# 870
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 45 Resp: 26742
Ion Ratio Lower Upper
45 100
77 21.3 0.0 39.5
79 15.2 0.0 34.9





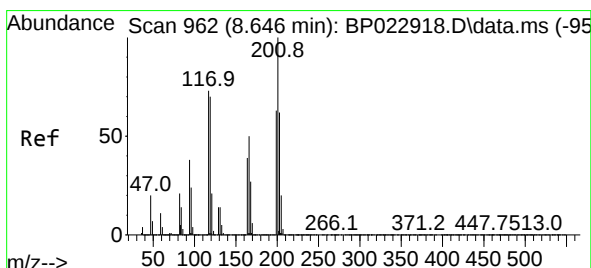
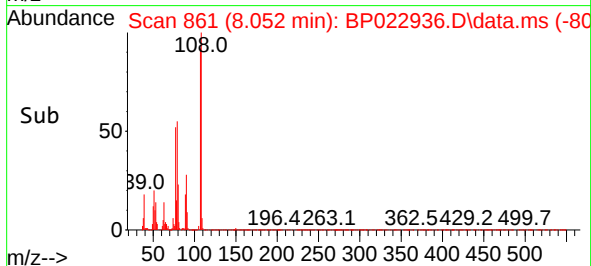
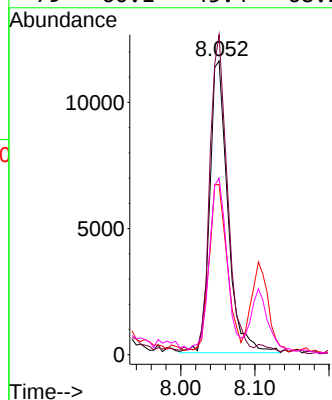
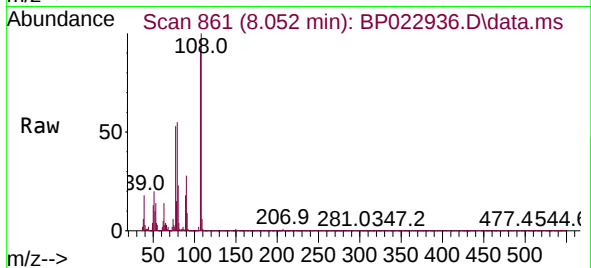
#17
2-Methylphenol
Concen: 8.096 ng
RT: 8.052 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion:	107	Resp:	1970
Ion	Ratio	Lower	Upper
107	100		
108	108.9	83.7	125.5
77	57.9	45.0	67.4
79	60.1	45.4	68.2

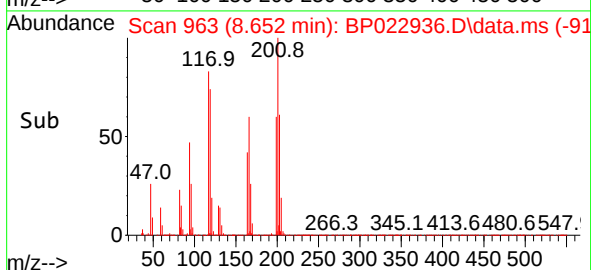
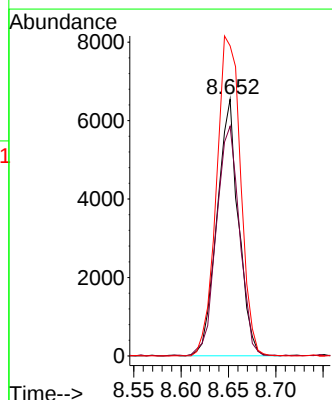
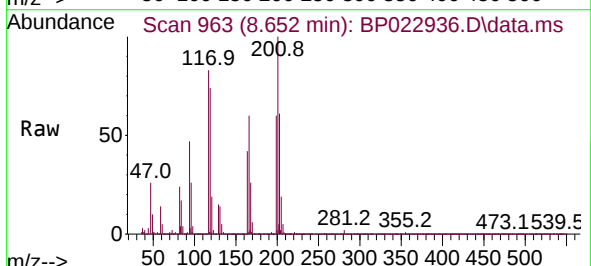
Manual Integrations
APPROVED

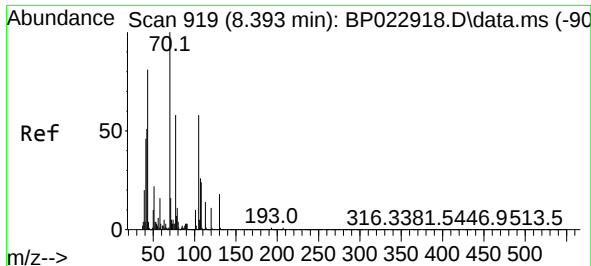
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#18
Hexachloroethane
Concen: 7.874 ng
RT: 8.652 min Scan# 963
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

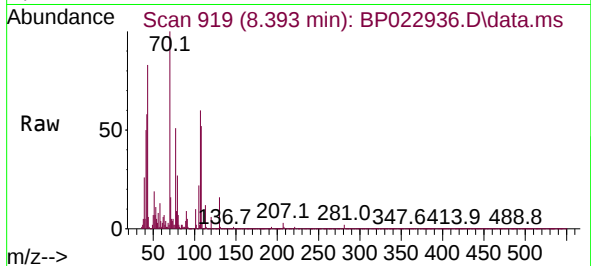
Tgt Ion:	117	Resp:	10329
Ion	Ratio	Lower	Upper
117	100		
119	89.5	76.7	115.1
201	120.7	110.0	165.0





#19
n-Nitroso-di-n-propylamine
Concen: 8.961 ng
RT: 8.393 min Scan# 919
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

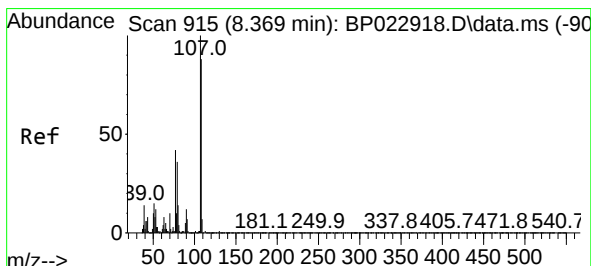
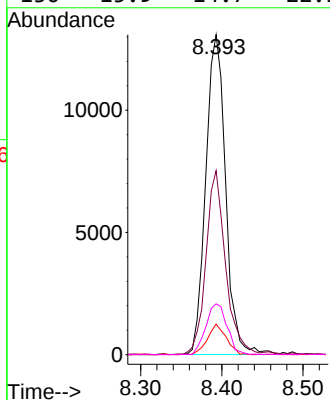
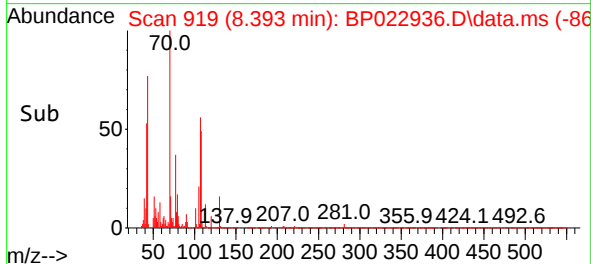
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



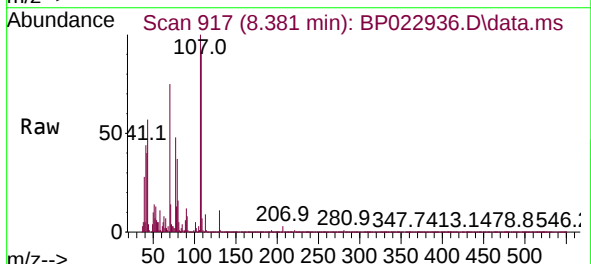
Tgt Ion: 70 Resp: 22204
Ion Ratio Lower Upper
70 100
42 57.5 41.0 61.6
101 9.6 7.8 11.6
130 15.9 14.7 22.1

Manual Integrations
APPROVED

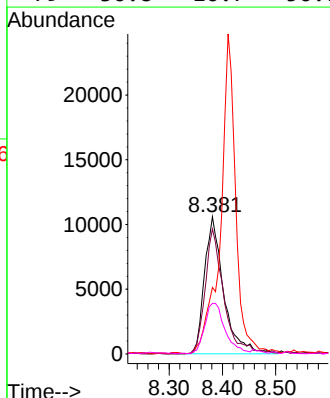
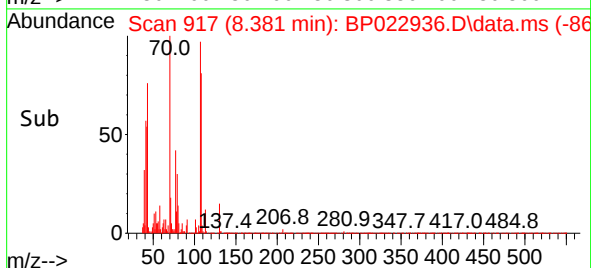
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

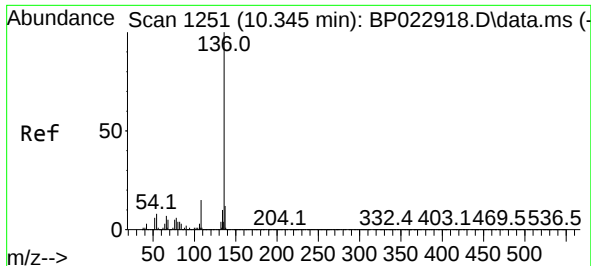


#20
3+4-Methylphenols
Concen: 7.813 ng
RT: 8.381 min Scan# 917
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10



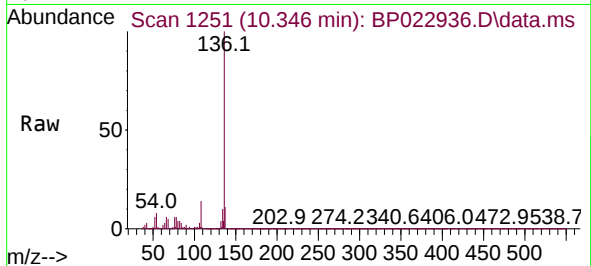
Tgt Ion:107 Resp: 26573
Ion Ratio Lower Upper
107 100
108 91.0 67.6 107.6
77 48.4 22.6 62.6
79 36.8 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.346 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

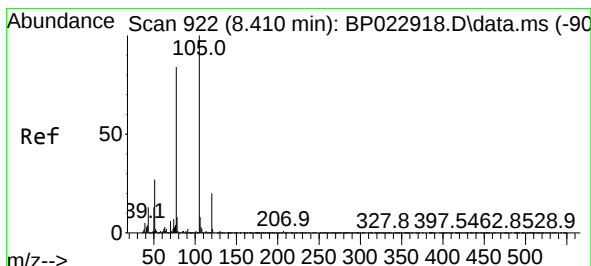
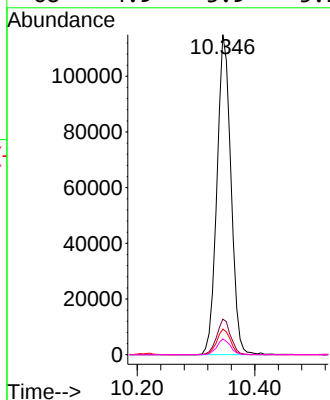
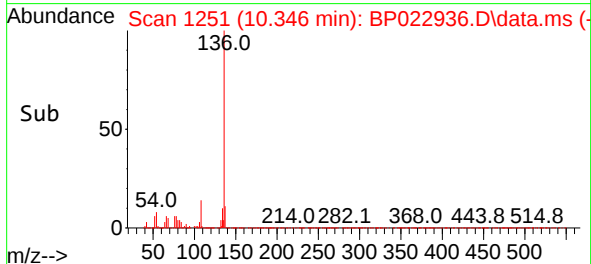
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.0
54	8.0	6.4	9.6
68	4.9	3.9	5.9

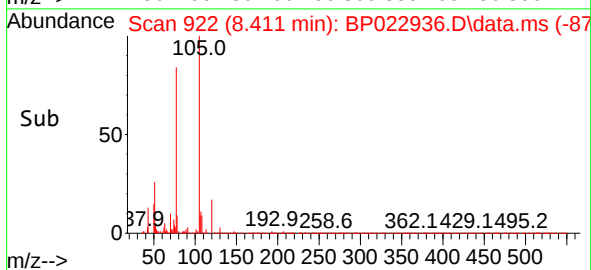
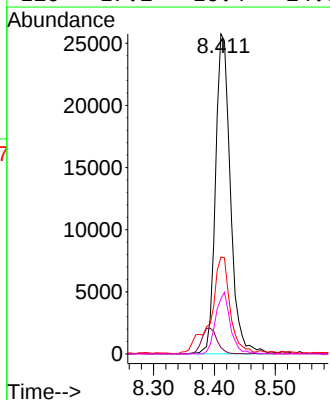
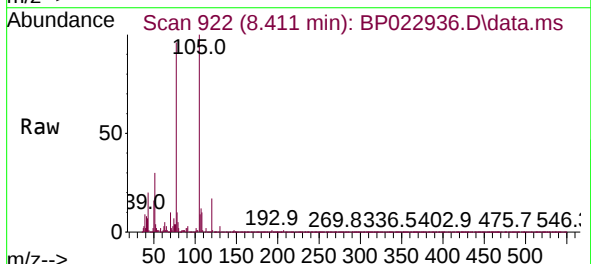
Manual Integrations
APPROVED

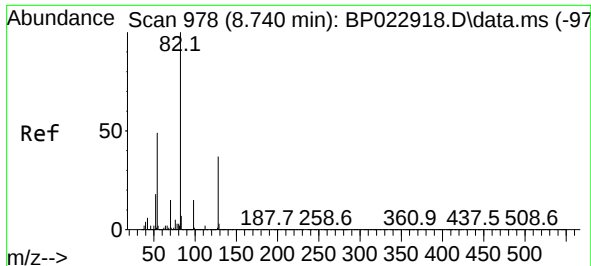
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#22
Acetophenone
Concen: 8.650 ng
RT: 8.411 min Scan# 922
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

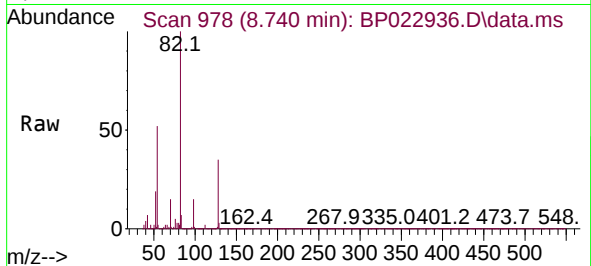
Tgt Ion	Ratio	Lower	Upper
105	100		
71	2.0	0.7	1.1#
51	30.3	21.7	32.5
120	17.2	16.4	24.6





#23
Nitrobenzene-d5
Concen: 89.181 ng
RT: 8.740 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

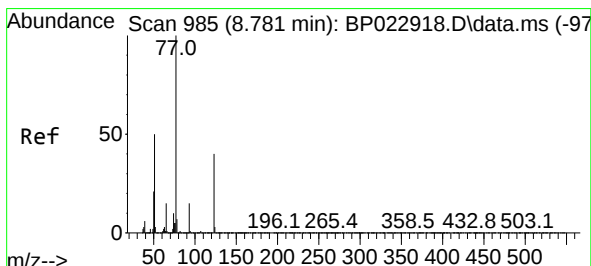
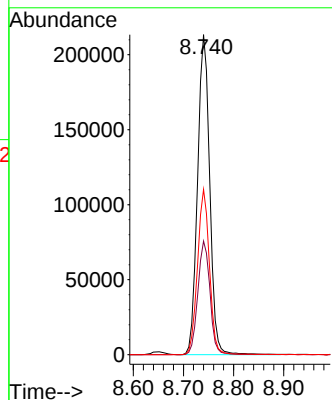
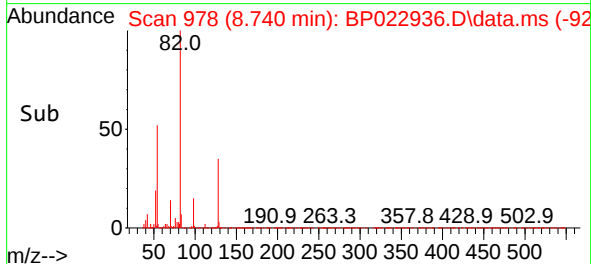
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 82 Resp: 35874
Ion Ratio Lower Upper
82 100
128 35.5 29.8 44.8
54 51.6 39.0 58.4

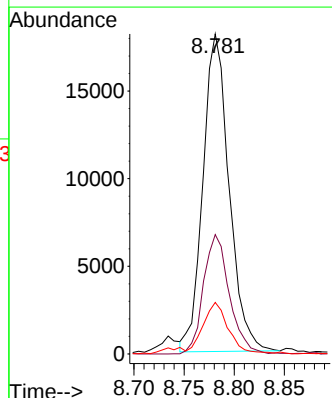
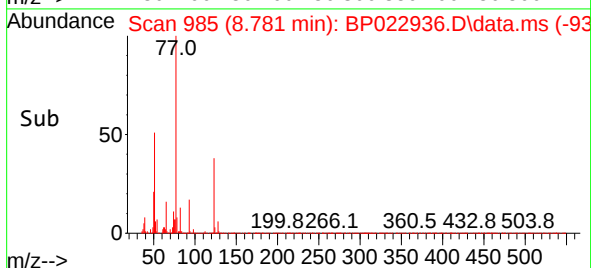
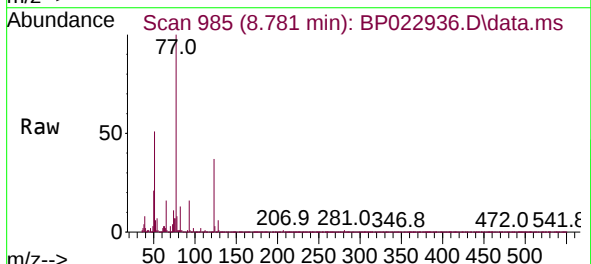
Manual Integrations
APPROVED

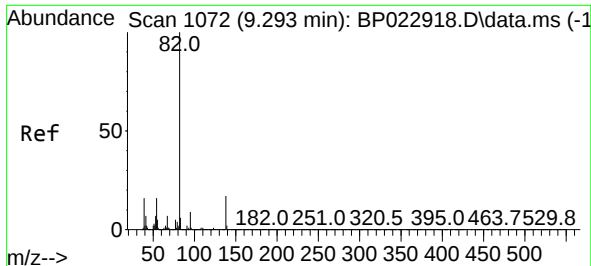
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#24
Nitrobenzene
Concen: 8.051 ng
RT: 8.781 min Scan# 985
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 77 Resp: 32897
Ion Ratio Lower Upper
77 100
123 37.3 32.2 48.4
65 16.1 11.7 17.5





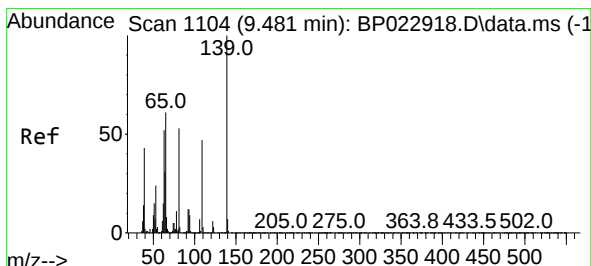
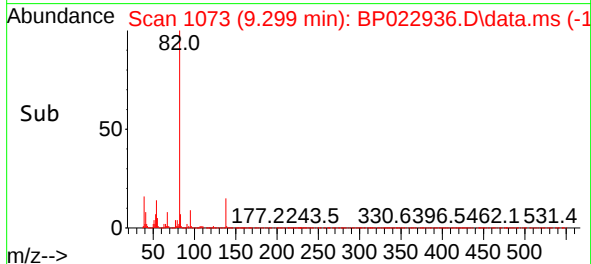
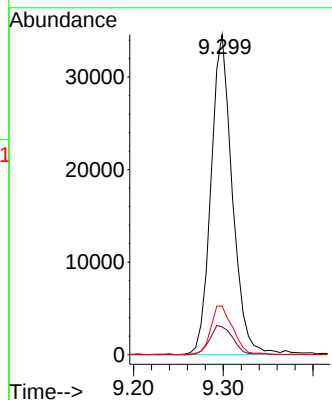
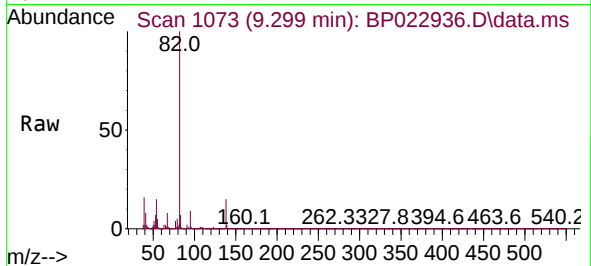
#25
Isophorone
Concen: 8.365 ng
RT: 9.299 min Scan# 1072
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion: 82 Resp: 5695
Ion Ratio Lower Upper
82 100
95 8.6 7.4 11.2
138 15.2 13.7 20.5

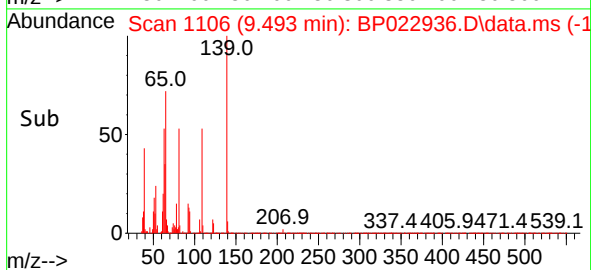
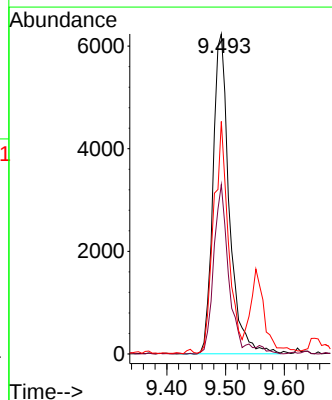
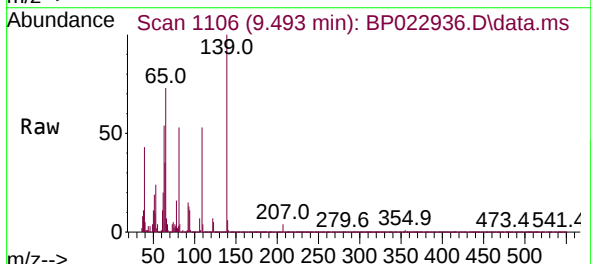
Manual Integrations
APPROVED

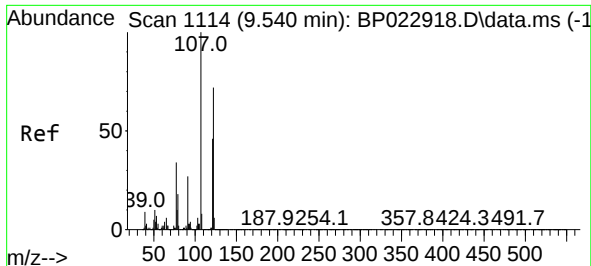
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#26
2-Nitrophenol
Concen: 7.174 ng
RT: 9.493 min Scan# 1106
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:139 Resp: 12037
Ion Ratio Lower Upper
139 100
109 52.9 37.8 56.8
65 72.7 48.6 73.0





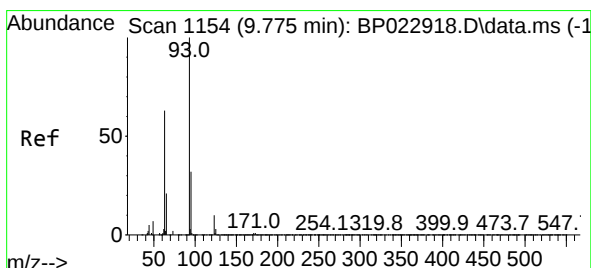
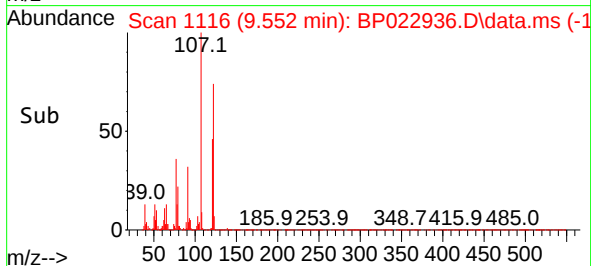
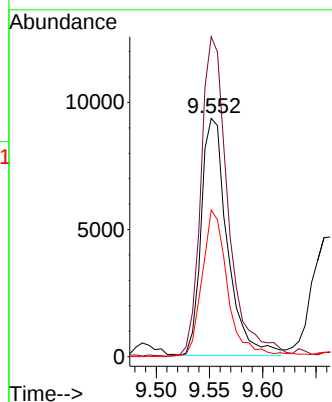
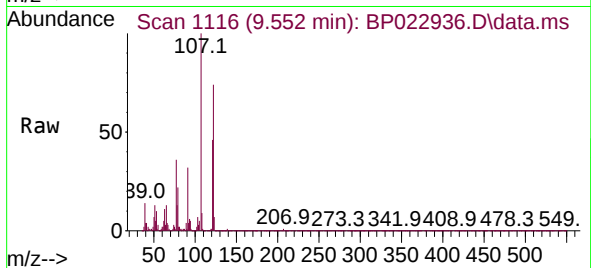
#27
2,4-Dimethylphenol
Concen: 8.343 ng
RT: 9.552 min Scan# 1116
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion:122 Resp: 1598
Ion Ratio Lower Upper
122 100
107 134.3 109.8 164.6
121 61.6 50.5 75.7

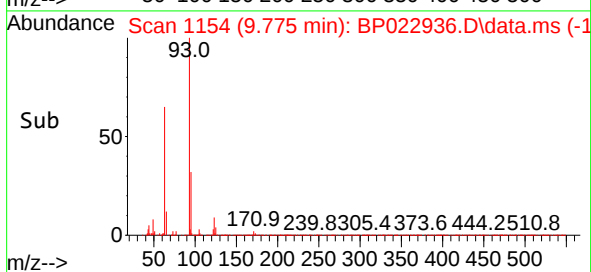
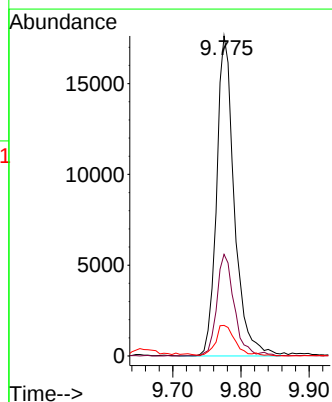
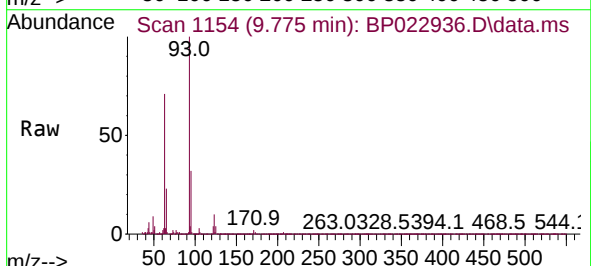
Manual Integrations
APPROVED

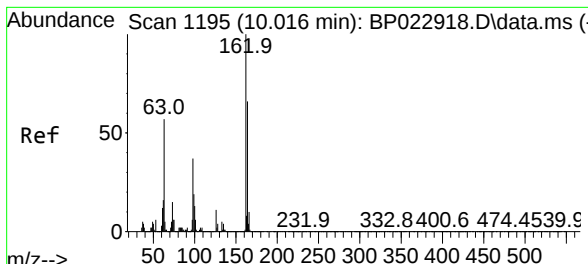
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.245 ng
RT: 9.775 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 93 Resp: 31885
Ion Ratio Lower Upper
93 100
95 31.7 25.4 38.2
123 9.6 8.6 13.0



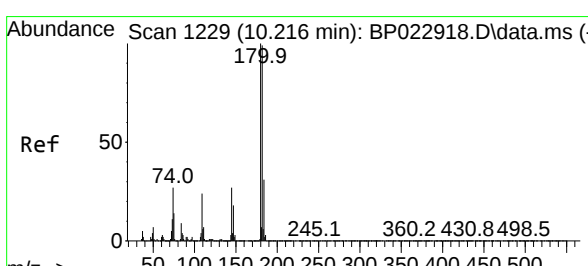
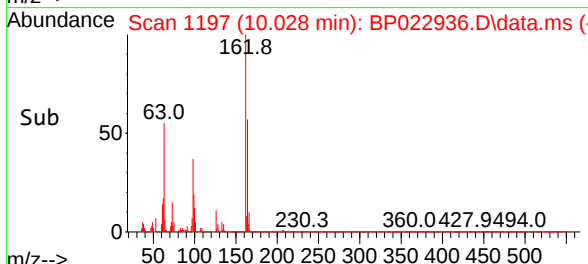
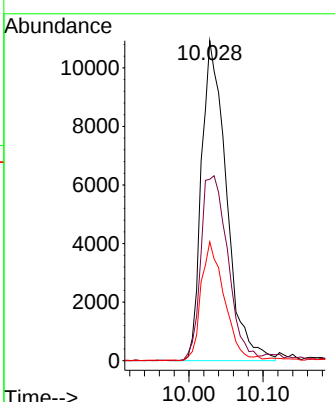
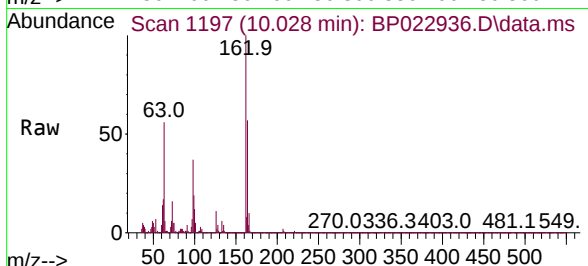


#29
2,4-Dichlorophenol
Concen: 7.684 ng
RT: 10.028 min Scan# 1195
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

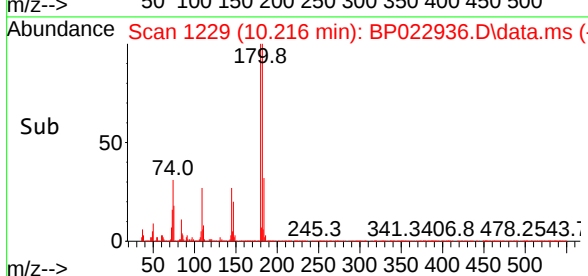
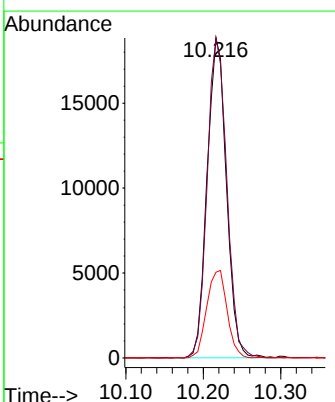
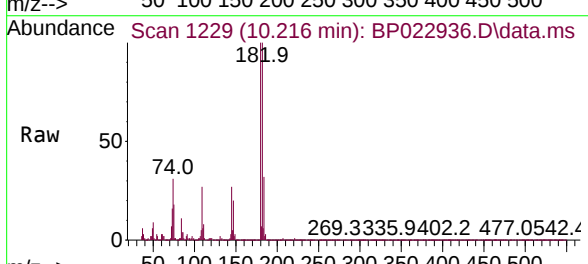
Tgt Ion:	162	Resp:	2548
Ion Ratio	Lower	Upper	
162	100		
164	56.7	46.0	86.0
98	37.1	16.7	56.7

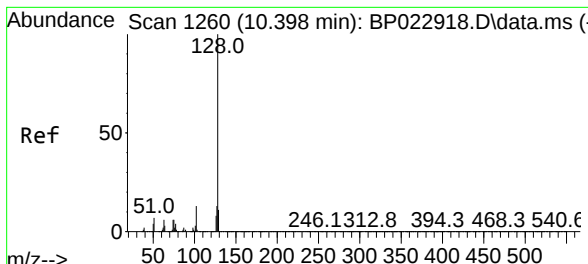
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#30
1,2,4-Trichlorobenzene
Concen: 7.685 ng
RT: 10.216 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:	180	Resp:	32582
Ion Ratio	Lower	Upper	
180	100		
182	100.0	79.4	119.2
145	26.8	21.6	32.4



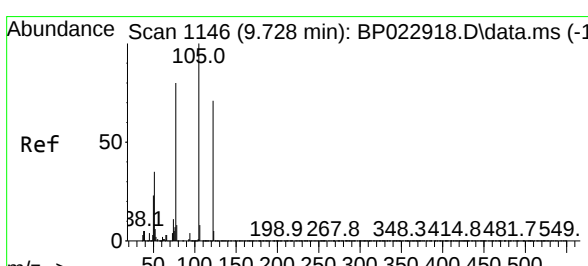
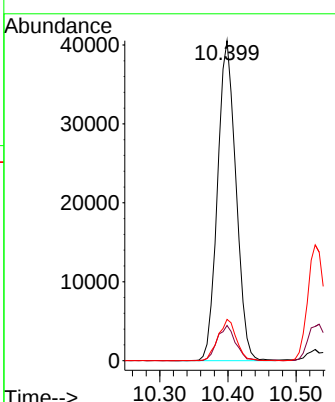
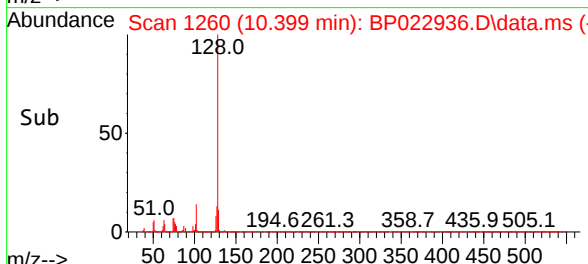
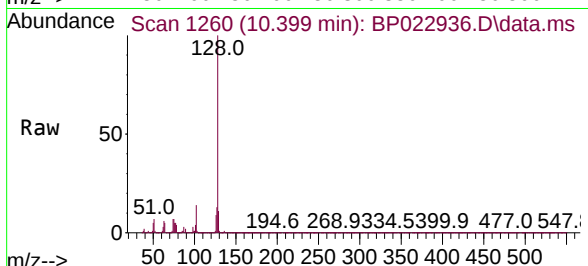


#31
Naphthalene
Concen: 7.992 ng
RT: 10.399 min Scan# 1135
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

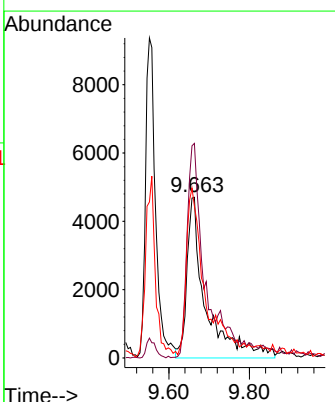
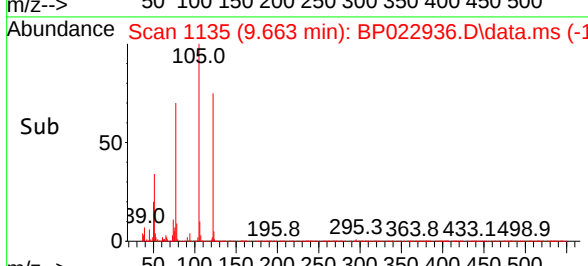
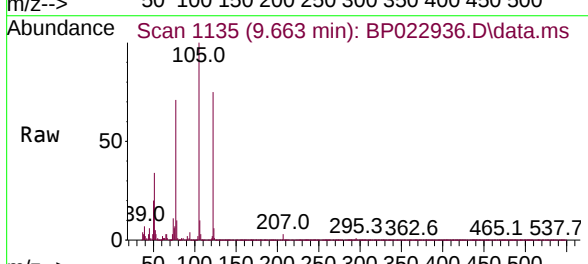
Tgt Ion:	128	Resp:	76104
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	12.9	10.6	16.0

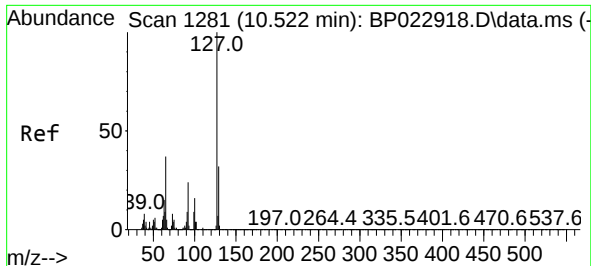
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#32
Benzoic acid
Concen: 6.659 ng m
RT: 9.663 min Scan# 1135
Delta R.T. -0.064 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

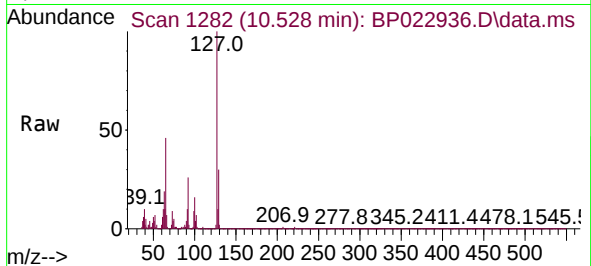
Tgt Ion:	122	Resp:	15321
Ion Ratio	Lower	Upper	
122	100		
105	133.5	119.9	159.9
77	94.5	92.2	132.2





#33
4-Chloroaniline
Concen: 8.803 ng
RT: 10.528 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

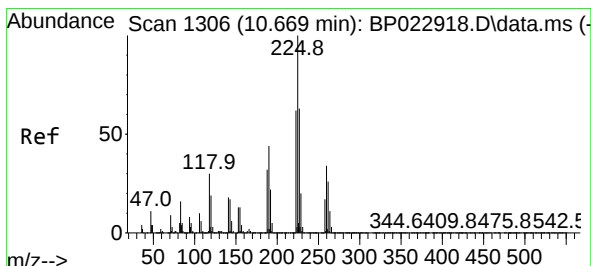
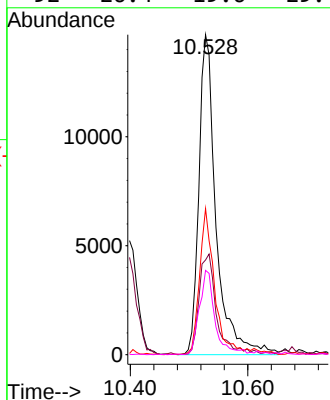
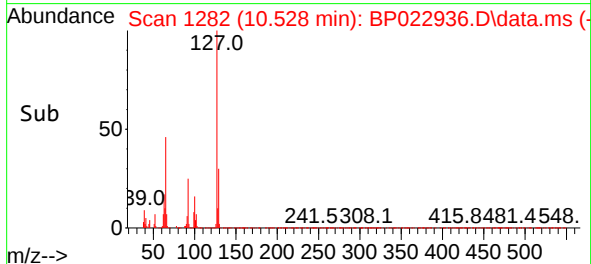
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



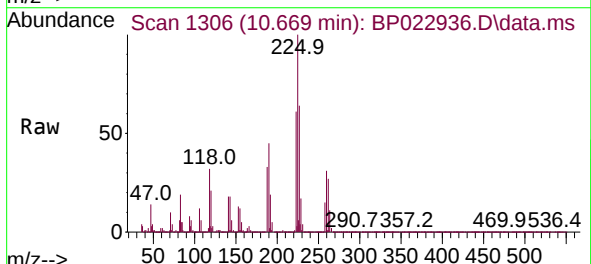
Tgt Ion:127 Resp: 29830
Ion Ratio Lower Upper
127 100
129 29.6 25.2 37.8
65 45.6 29.7 44.5
92 26.4 19.6 29.4

Manual Integrations
APPROVED

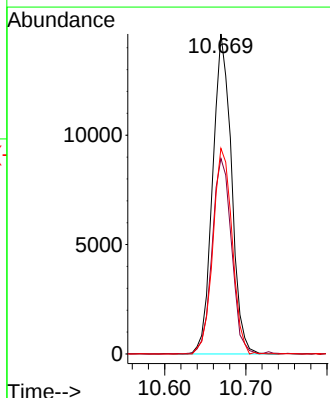
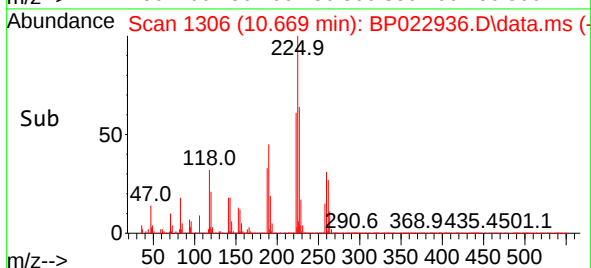
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

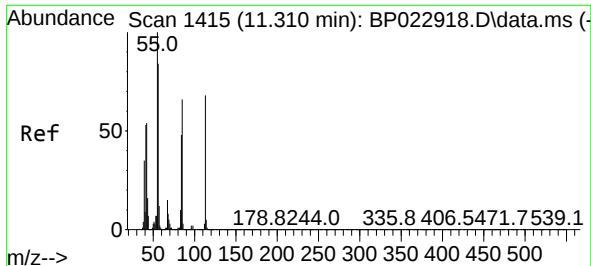


#34
Hexachlorobutadiene
Concen: 7.576 ng
RT: 10.669 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10



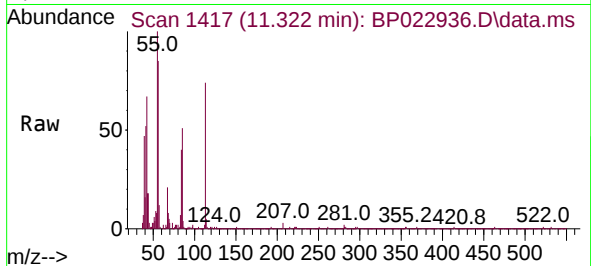
Tgt Ion:225 Resp: 23559
Ion Ratio Lower Upper
225 100
223 57.5 49.8 74.6
227 64.4 50.5 75.7





#35
Caprolactam
Concen: 7.725 ng m
RT: 11.322 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

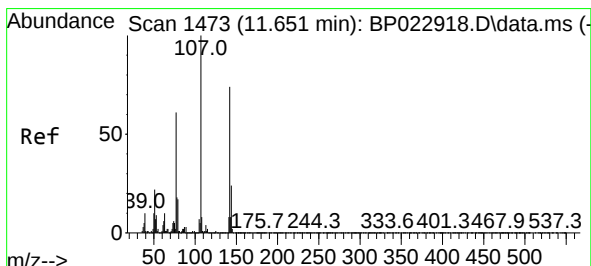
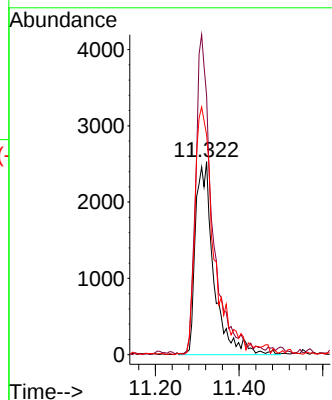
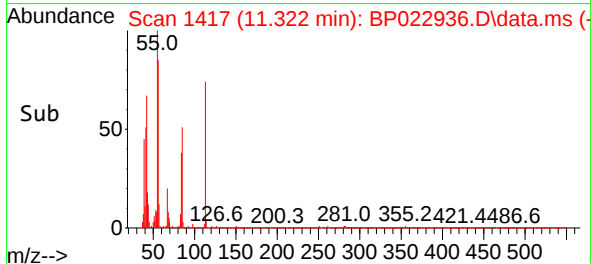
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



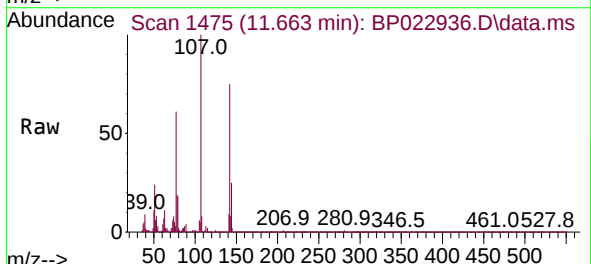
Tgt Ion:113 Resp: 7670
Ion Ratio Lower Upper
113 100
55 134.4 127.4 167.4
56 113.9 103.5 143.5

Manual Integrations
APPROVED

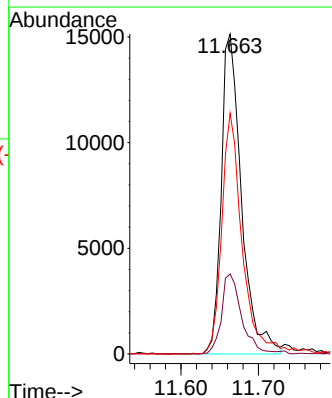
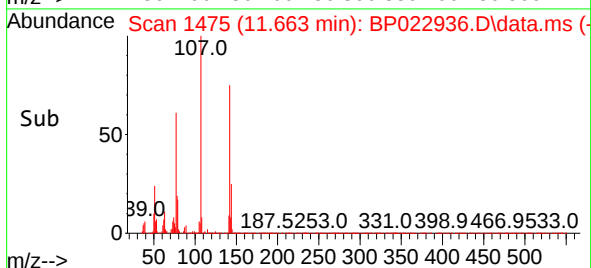
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

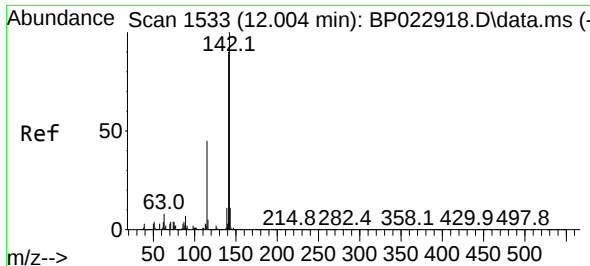


#36
4-Chloro-3-methylphenol
Concen: 7.417 ng
RT: 11.663 min Scan# 1475
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10



Tgt Ion:107 Resp: 27427
Ion Ratio Lower Upper
107 100
144 25.0 19.4 29.0
142 75.2 59.5 89.3





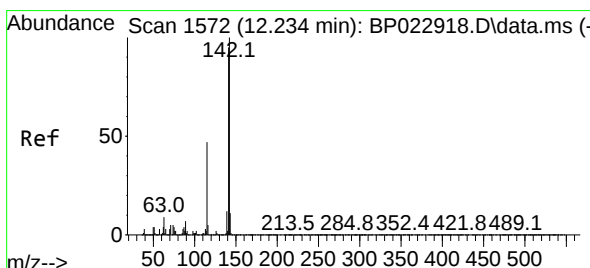
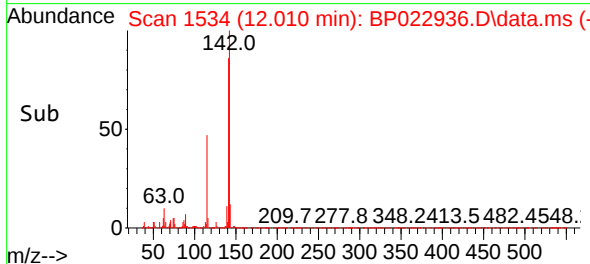
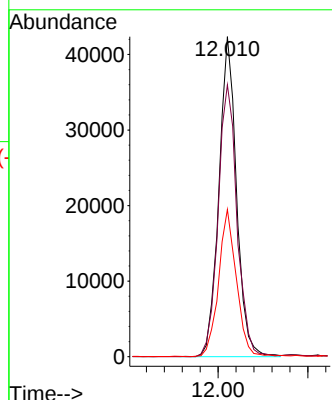
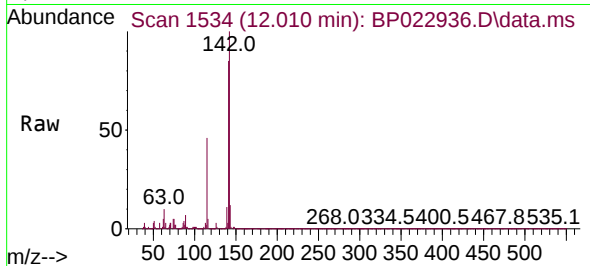
#37
2-Methylnaphthalene
Concen: 8.097 ng
RT: 12.010 min Scan# 1534
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion:142 Resp: 5774
Ion Ratio Lower Upper
142 100
141 85.0 72.2 108.4
115 46.0 35.9 53.9

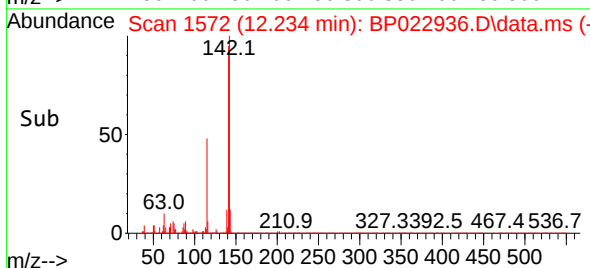
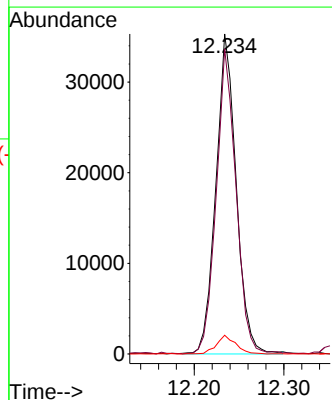
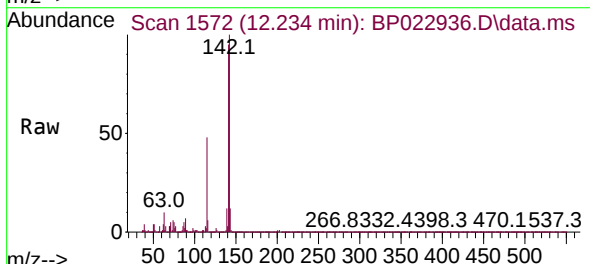
Manual Integrations
APPROVED

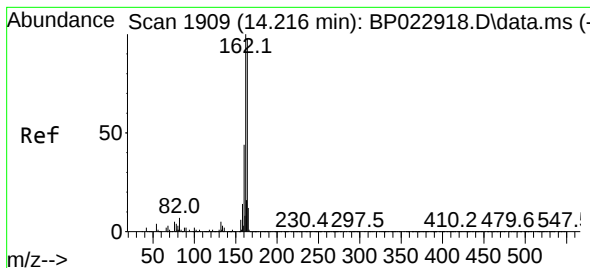
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#38
1-Methylnaphthalene
Concen: 7.885 ng m
RT: 12.234 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:142 Resp: 55816
Ion Ratio Lower Upper
142 100
141 95.3 75.8 113.8
116 5.9 3.8 5.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.210 min Scan# 1599

Delta R.T. -0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

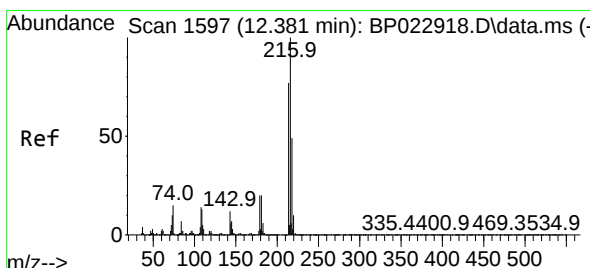
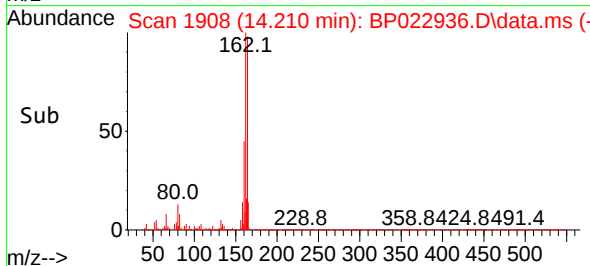
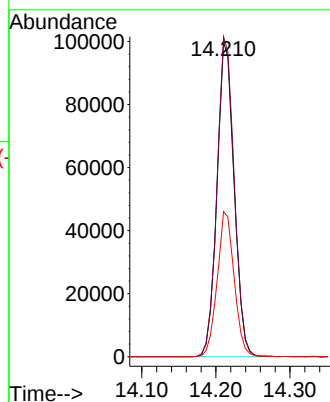
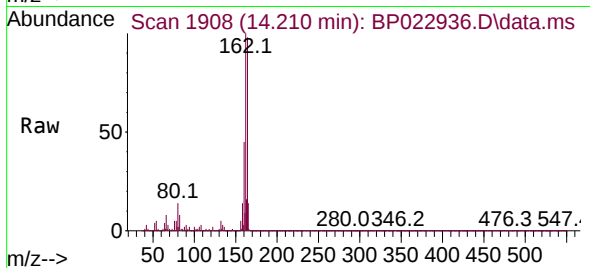
Tgt Ion:	164	Resp:	15999
Ion Ratio	Lower	Upper	
164	100		
162	101.6	81.8	122.8
160	46.1	35.7	53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.151 ng

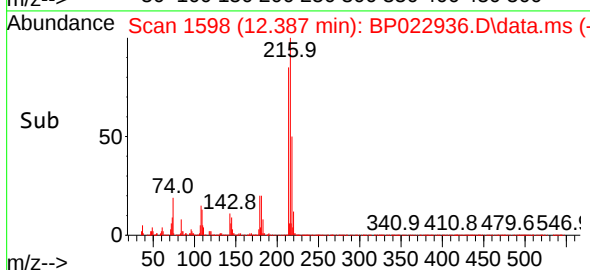
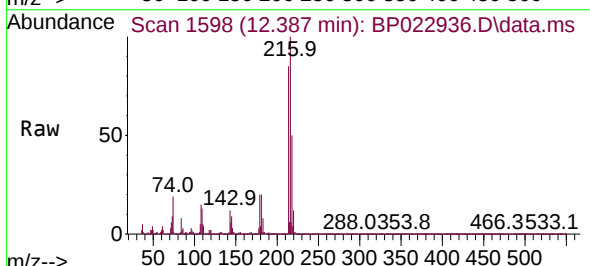
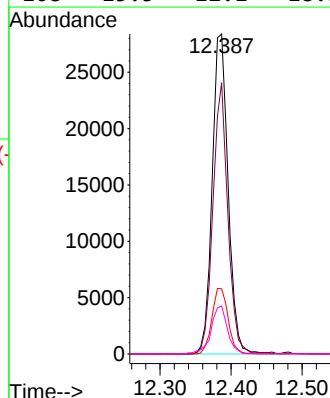
RT: 12.387 min Scan# 1598

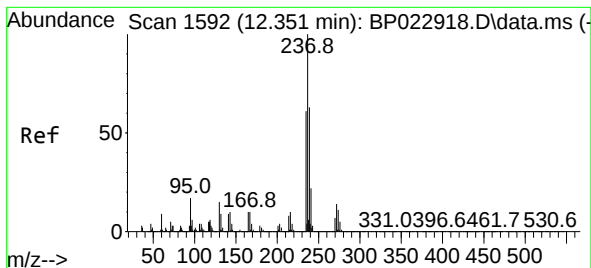
Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

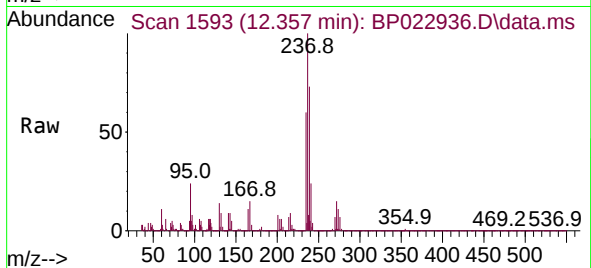
Tgt Ion:	216	Resp:	44150
Ion Ratio	Lower	Upper	
216	100		
214	79.7	62.5	93.7
179	20.9	16.5	24.7
108	15.5	12.1	18.1





#41
Hexachlorocyclopentadiene
Concen: 7.404 ng
RT: 12.357 min Scan# 111
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

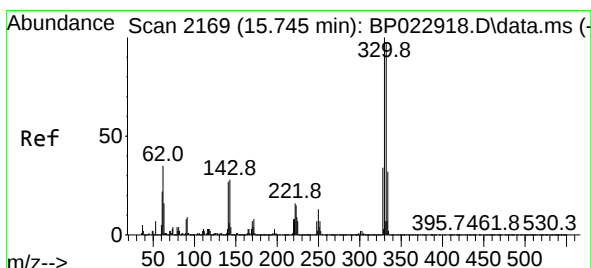
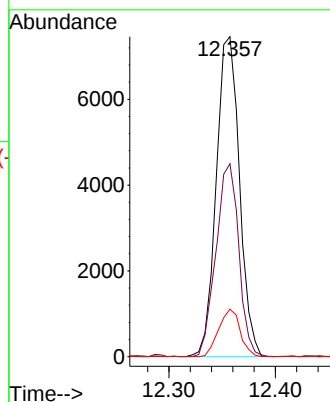
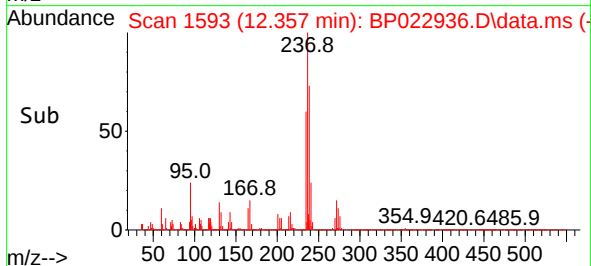
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 237 Resp: 1126
Ion Ratio Lower Upper
237 100
235 60.3 41.2 81.2
272 14.9 0.0 33.7

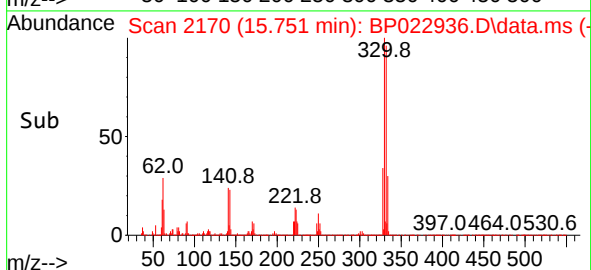
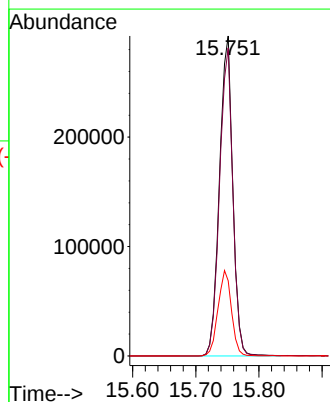
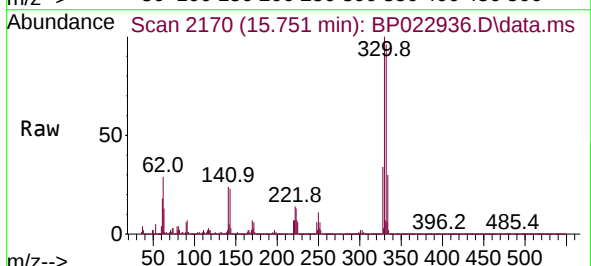
Manual Integrations
APPROVED

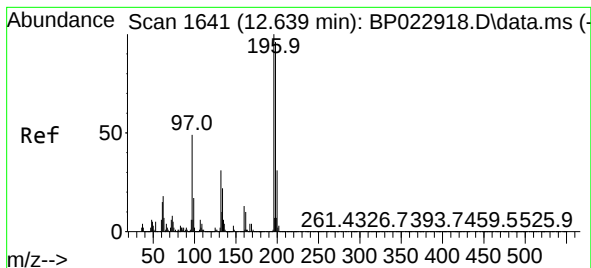
Reviewed By : Yogesh Patel 11/10/2024
Supervised By : mohammad ahmed 11/11/2024



#42
2,4,6-Tribromophenol
Concen: 138.037 ng
RT: 15.751 min Scan# 2170
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 330 Resp: 428072
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 27.0 21.6 32.4





#43

2,4,6-Trichlorophenol

Concen: 7.655 ng

RT: 12.646 min Scan# 1641

Delta R.T. 0.006 min

Lab File: BP022936.D

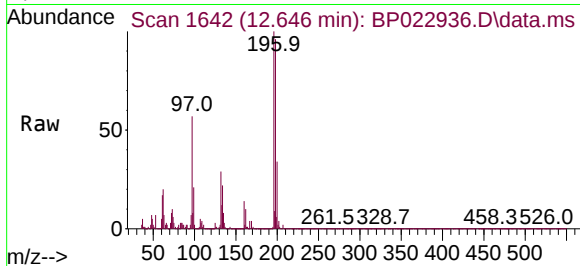
Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



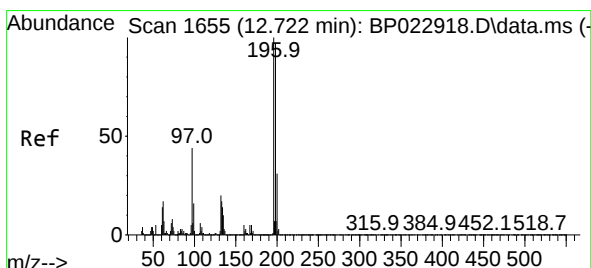
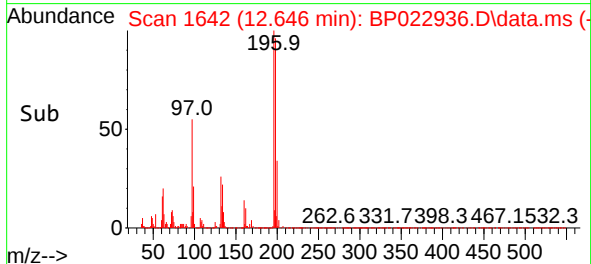
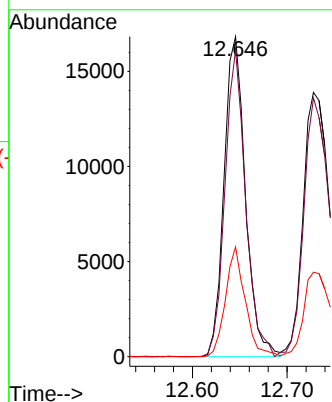
Tgt Ion:	196	Resp:	26370
Ion Ratio	Lower	Upper	
196	100		
198	95.8	76.5	114.7
200	34.3	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#44

2,4,5-Trichlorophenol

Concen: 7.144 ng

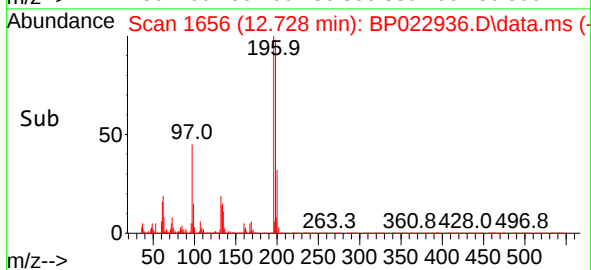
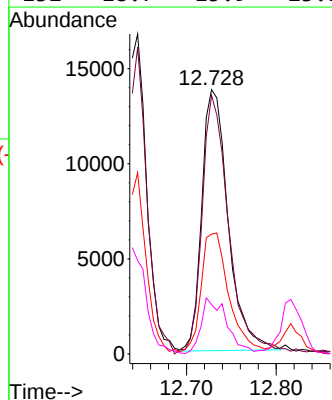
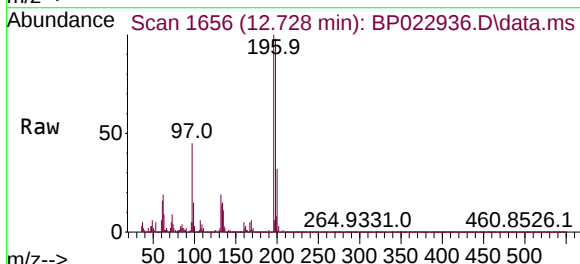
RT: 12.728 min Scan# 1656

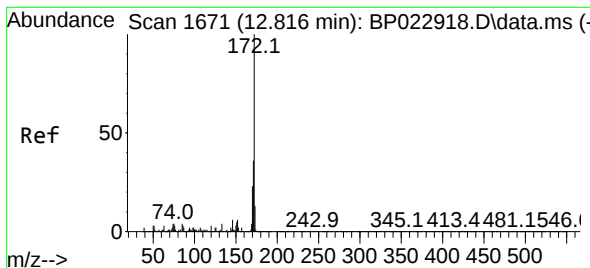
Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

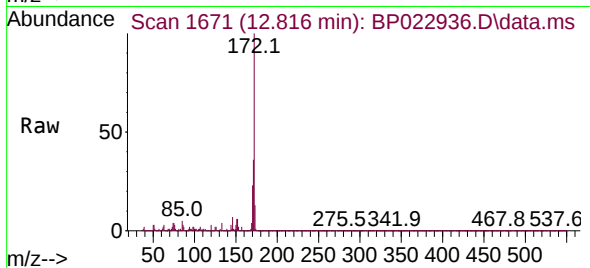
Tgt Ion:	196	Resp:	28015
Ion Ratio	Lower	Upper	
196	100		
198	97.9	77.8	116.8
97	45.4	35.2	52.8
132	18.7	15.9	23.9





#45
2-Fluorobiphenyl
Concen: 87.365 ng
RT: 12.816 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

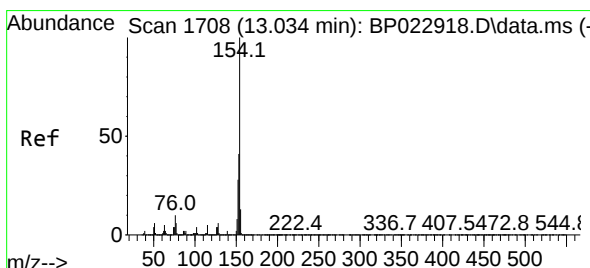
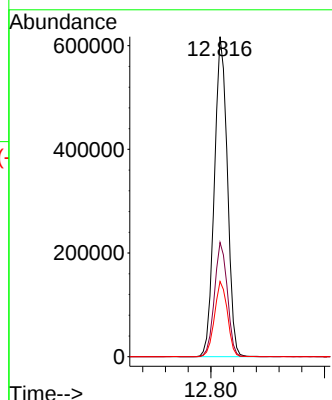
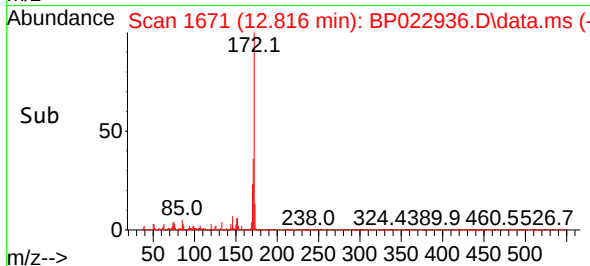
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



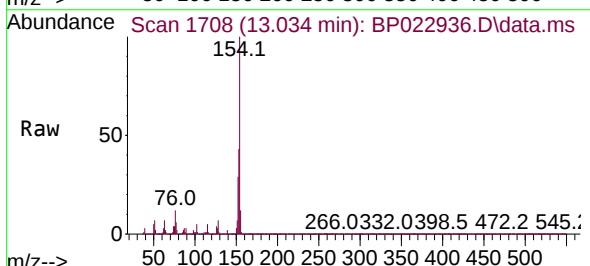
Tgt Ion:172 Resp: 97824
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.5 18.6 27.8

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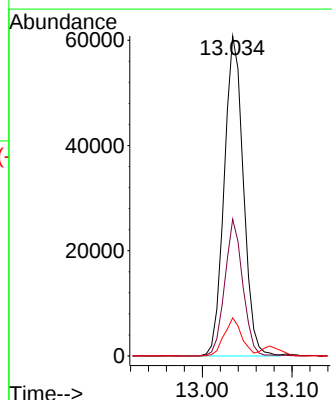
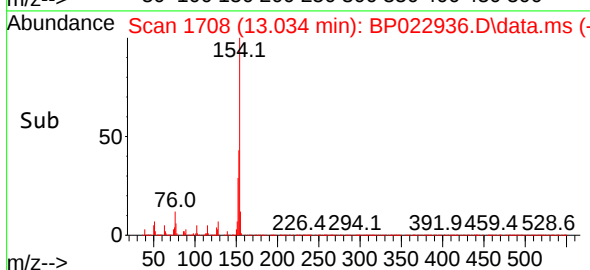
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

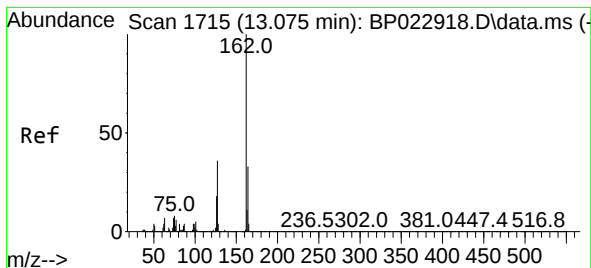


#46
1,1'-Biphenyl
Concen: 8.475 ng
RT: 13.034 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10



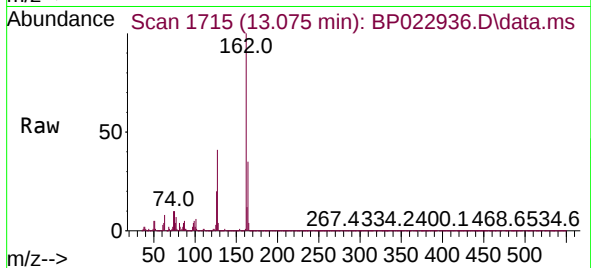
Tgt Ion:154 Resp: 90140
Ion Ratio Lower Upper
154 100
153 42.8 20.6 60.6
76 11.9 0.0 30.5





#47
2-Chloronaphthalene
Concen: 7.815 ng
RT: 13.075 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

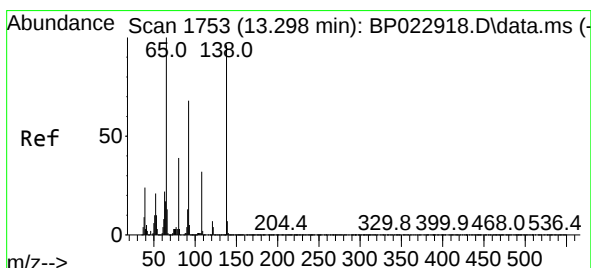
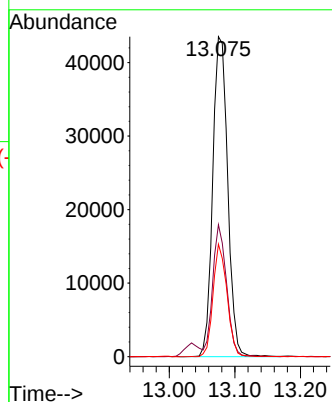
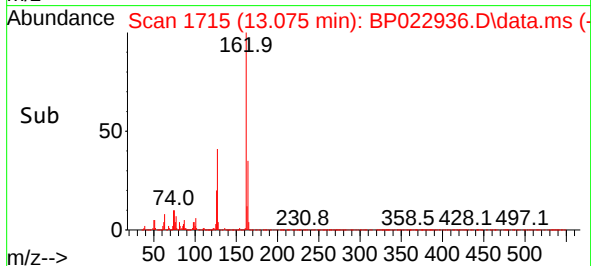
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



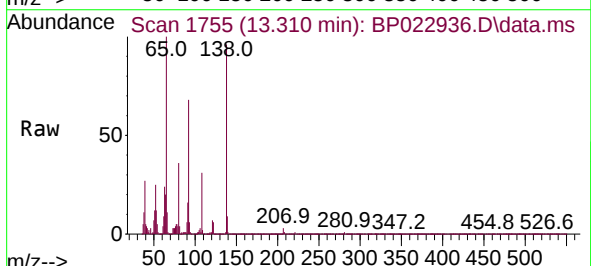
Tgt Ion:162 Resp: 68970
Ion Ratio Lower Upper
162 100
127 41.3 28.6 43.0
164 35.2 26.4 39.6

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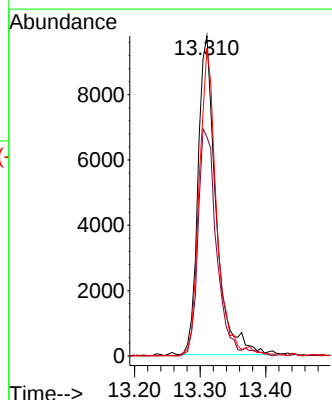
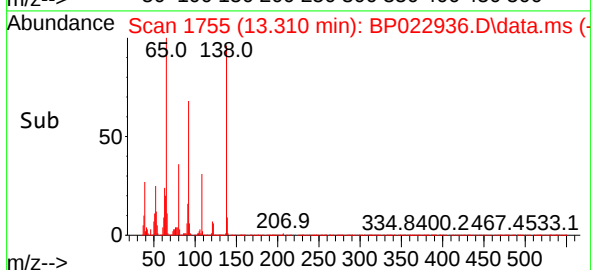
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

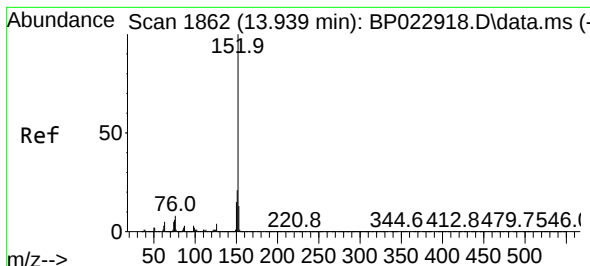


#48
2-Nitroaniline
Concen: 7.271 ng
RT: 13.310 min Scan# 1755
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10



Tgt Ion: 65 Resp: 18697
Ion Ratio Lower Upper
65 100
92 68.4 54.4 81.6
138 96.1 76.5 114.7





#49

Acenaphthylene

Concen: 8.815 ng

RT: 13.940 min Scan# 1862

Delta R.T. 0.000 min

Lab File: BP022936.D

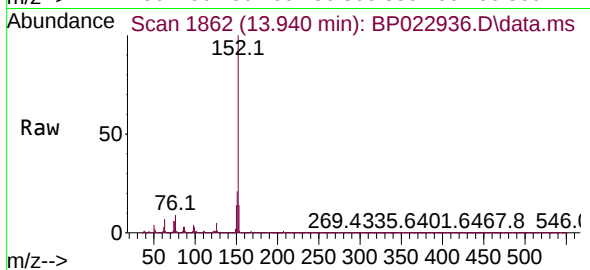
Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:152 Resp: 10865

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

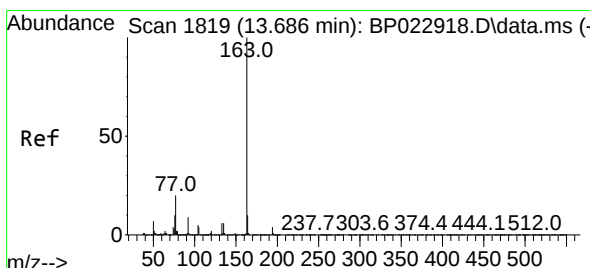
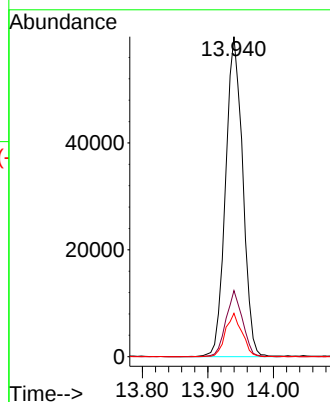
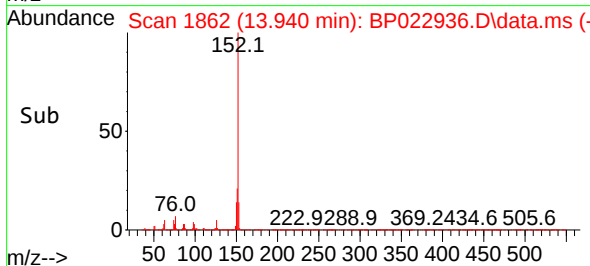
153 13.5 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#50

Dimethylphthalate

Concen: 8.317 ng

RT: 13.681 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

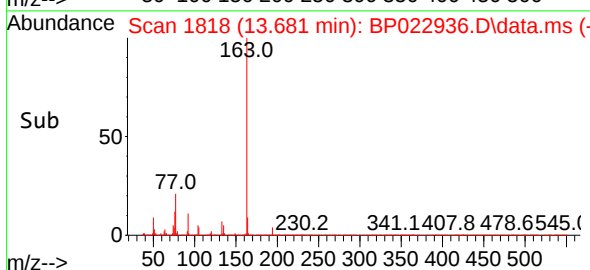
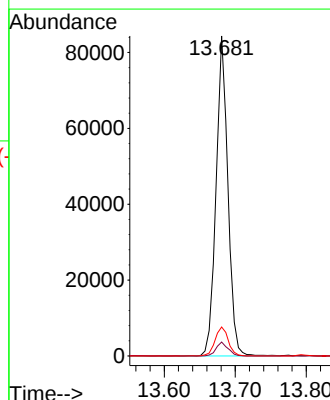
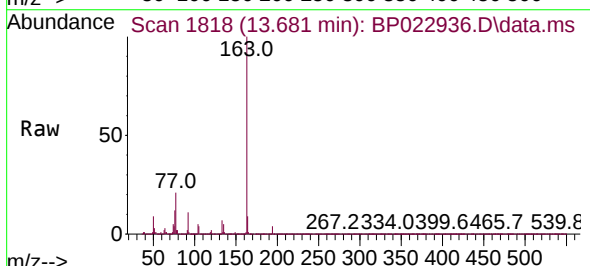
Tgt Ion:163 Resp: 97423

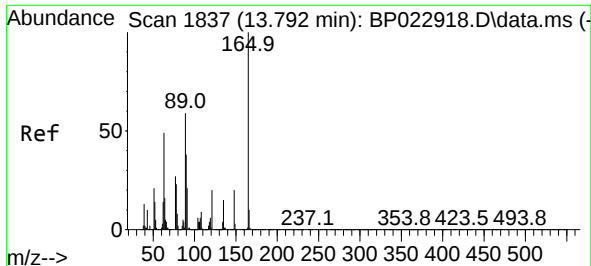
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

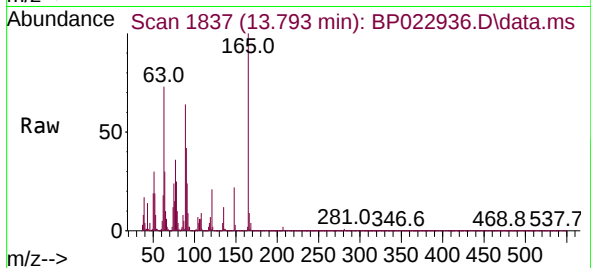
164 9.0 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 7.574 ng
RT: 13.793 min Scan# 1837
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

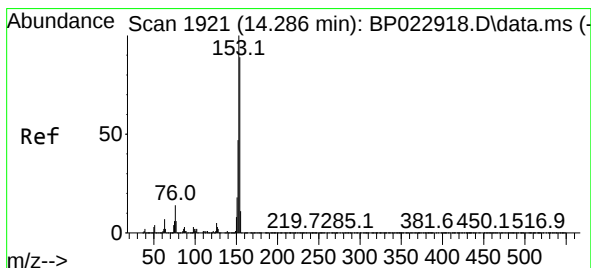
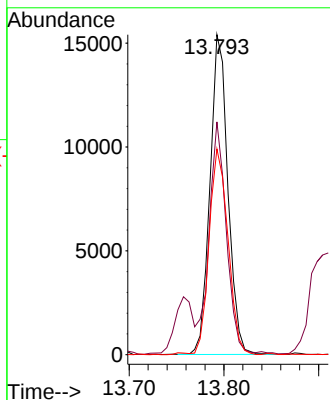
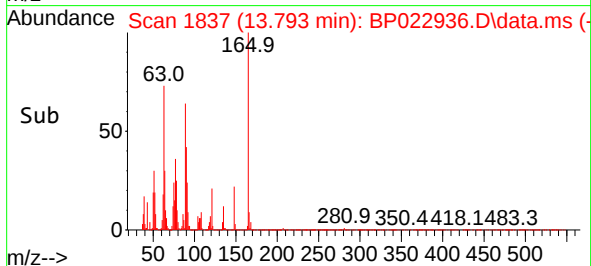
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:165 Resp: 2017
Ion Ratio Lower Upper
165 100
63 72.7 45.1 67.7
89 64.3 46.9 70.3

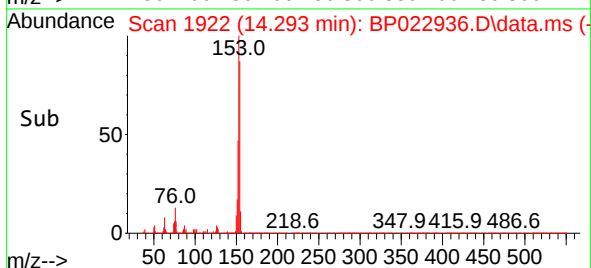
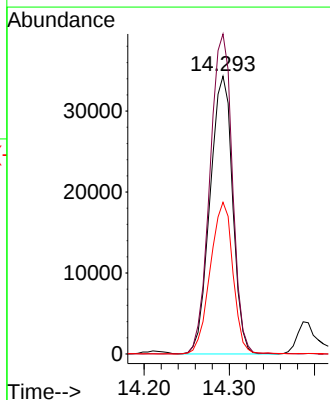
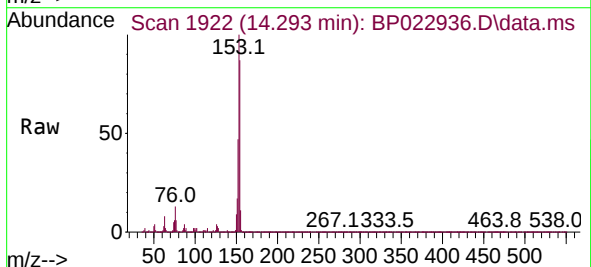
Manual Integrations
APPROVED

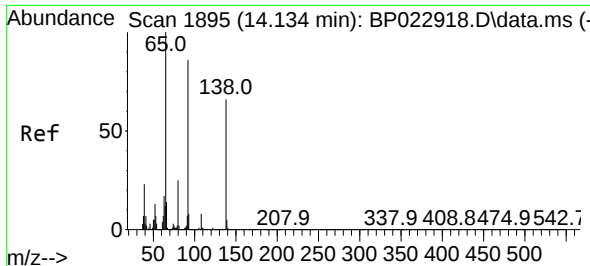
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#52
Acenaphthene
Concen: 7.963 ng
RT: 14.293 min Scan# 1922
Delta R.T. 0.007 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

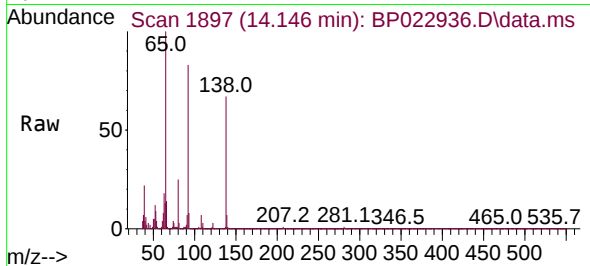
Tgt Ion:154 Resp: 63115
Ion Ratio Lower Upper
154 100
153 115.2 89.9 134.9
152 54.6 42.1 63.1





#53
3-Nitroaniline
Concen: 7.626 ng
RT: 14.146 min Scan# 1897
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

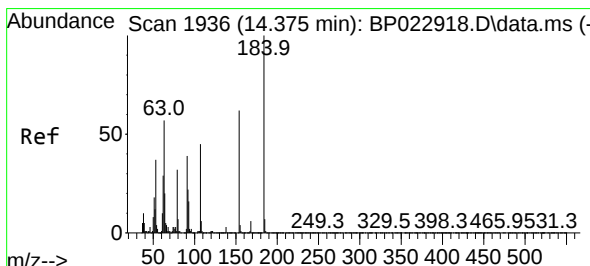
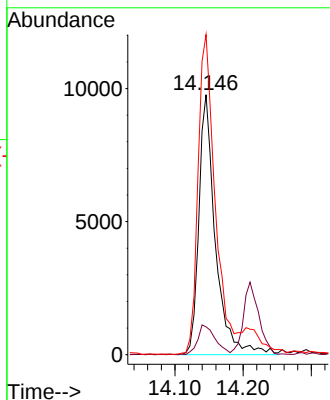
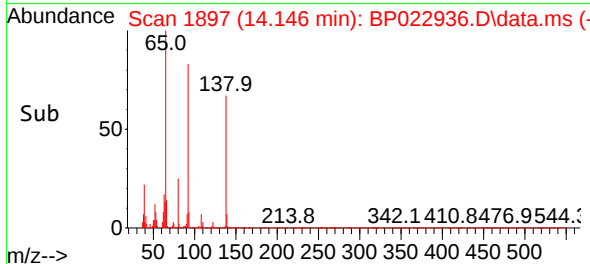
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:138 Resp: 1650
Ion Ratio Lower Upper
138 100
108 10.7 10.2 15.2
92 123.1 104.2 156.2

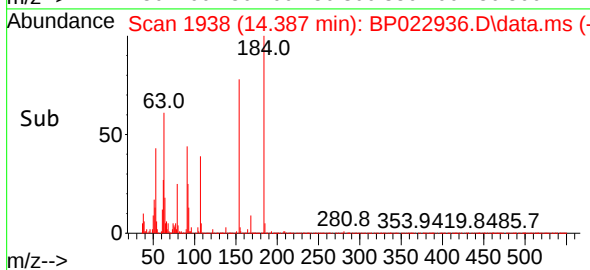
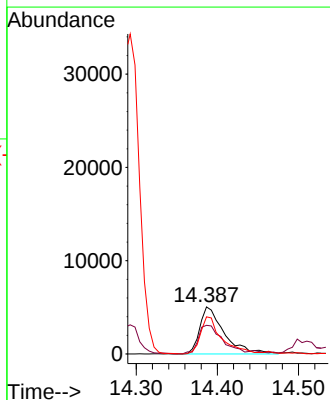
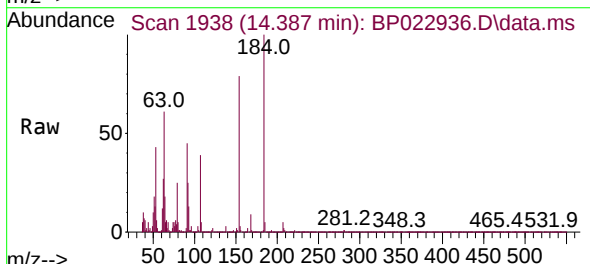
Manual Integrations
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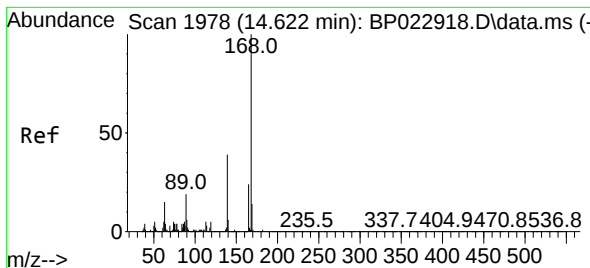
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#54
2,4-Dinitrophenol
Concen: 6.375 ng
RT: 14.387 min Scan# 1938
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

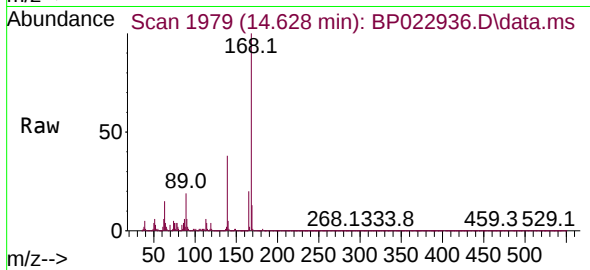
Tgt Ion:184 Resp: 10536
Ion Ratio Lower Upper
184 100
63 60.9 46.3 69.5
154 78.8 56.6 85.0





#55
Dibenzenofuran
Concen: 8.458 ng
RT: 14.628 min Scan# 1978
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

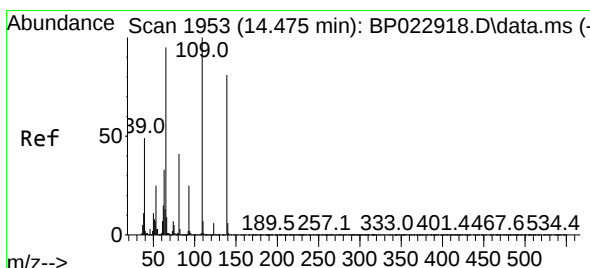
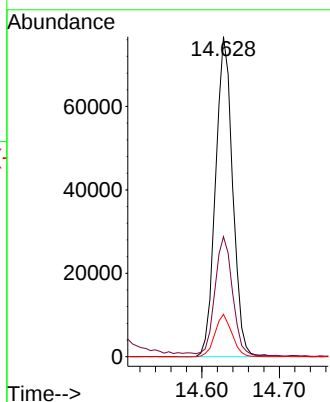
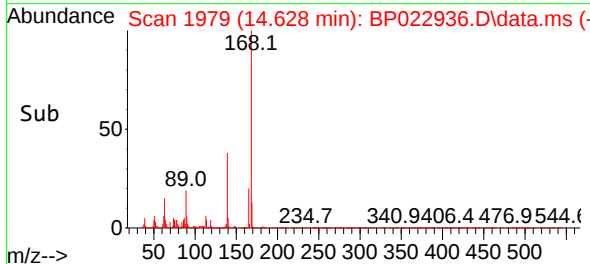
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



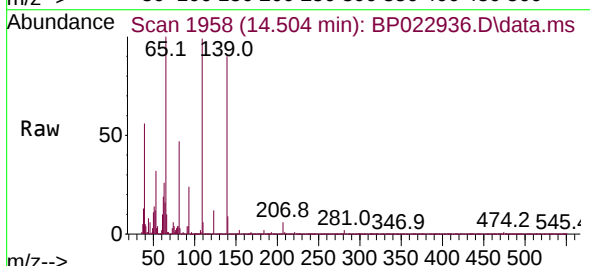
Tgt Ion:168 Resp: 117734
Ion Ratio Lower Upper
168 100
139 37.5 31.1 46.7
169 13.3 11.0 16.6

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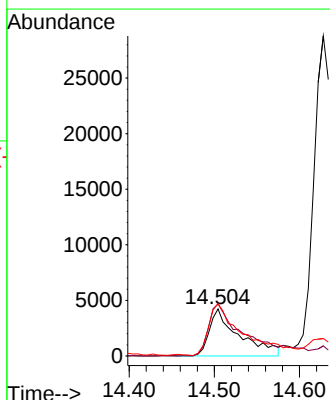
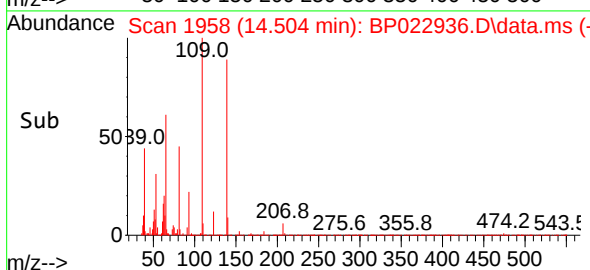
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

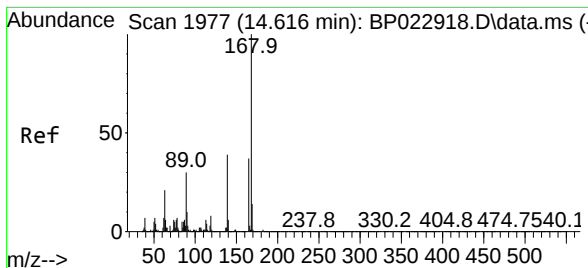


#56
4-Nitrophenol
Concen: 5.778 ng
RT: 14.504 min Scan# 1958
Delta R.T. 0.030 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10



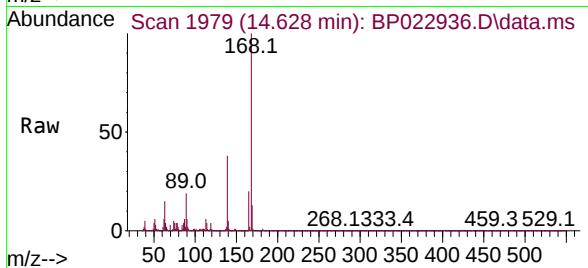
Tgt Ion:139 Resp: 10284
Ion Ratio Lower Upper
139 100
109 110.7 103.1 143.1
65 111.4 96.9 136.9





#57
2,4-Dinitrotoluene
Concen: 7.509 ng
RT: 14.628 min Scan# 1977
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

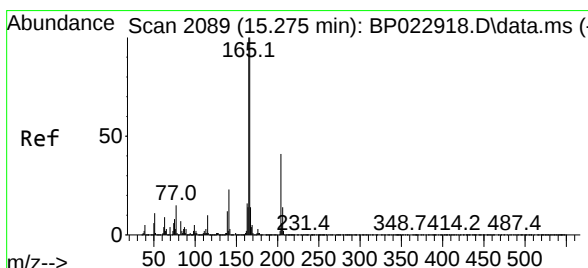
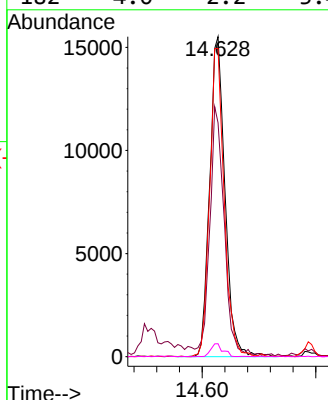
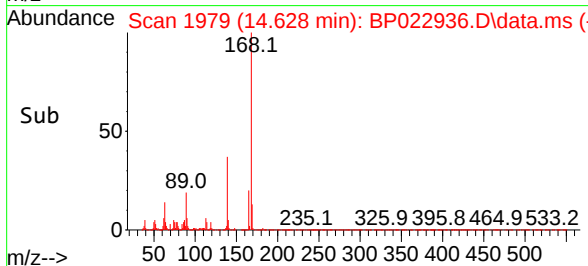
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:165 Resp: 2891
Ion Ratio Lower Upper
165 100
63 73.1 46.5 69.7
89 96.3 64.0 96.0
182 4.0 2.2 3.4

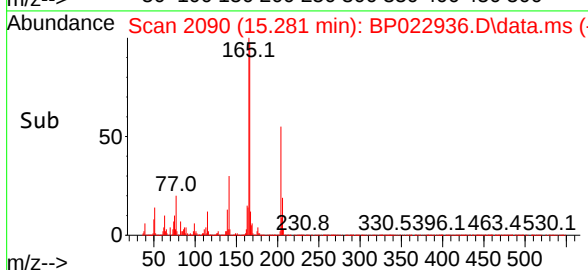
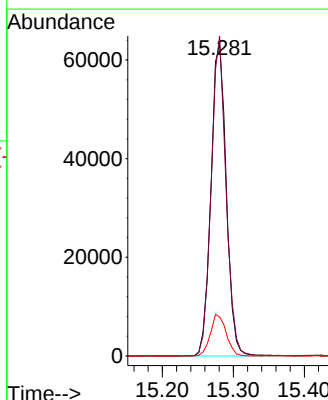
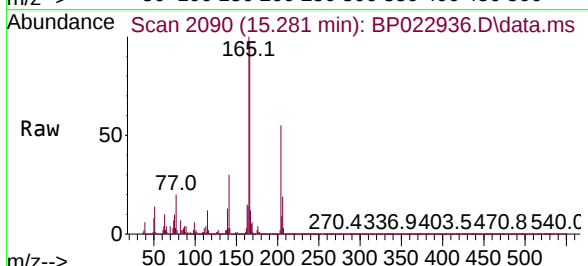
Manual Integrations
APPROVED

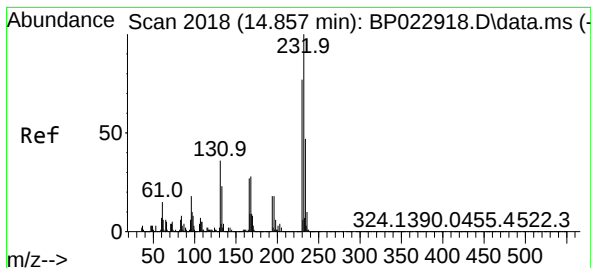
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#58
Fluorene
Concen: 8.224 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:166 Resp: 95109
Ion Ratio Lower Upper
166 100
165 102.6 80.1 120.1
167 12.5 11.1 16.7





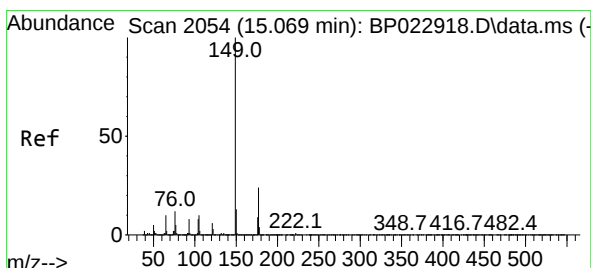
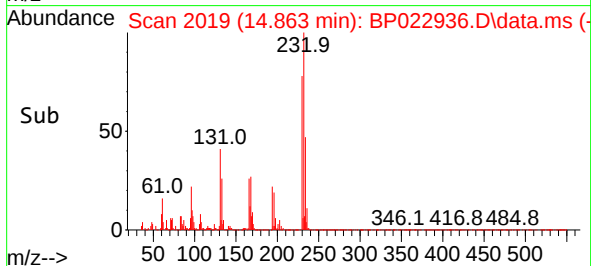
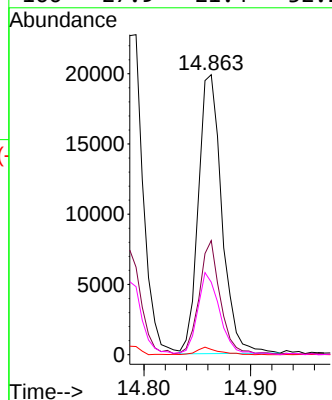
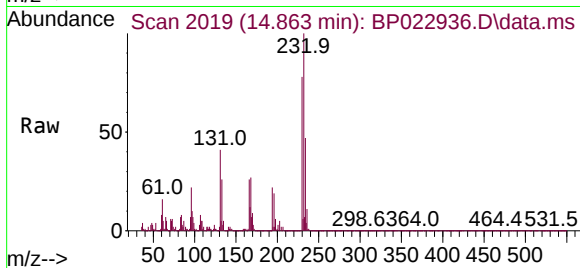
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.051 ng
RT: 14.863 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion:232 Resp: 3045
Ion Ratio Lower Upper
232 100
131 36.3 28.2 42.2
130 2.5 1.7 2.5
166 27.9 21.4 32.2

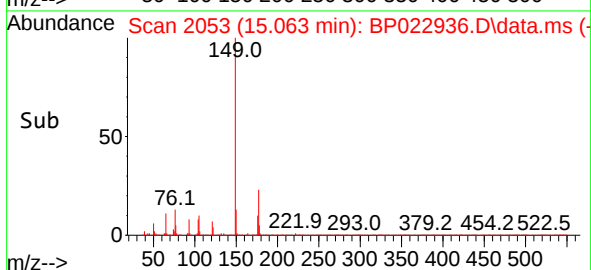
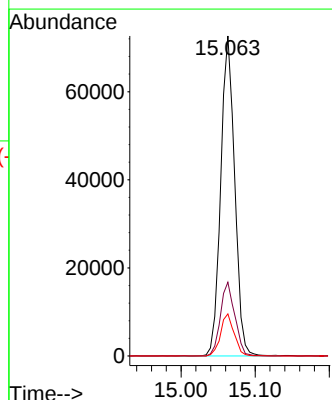
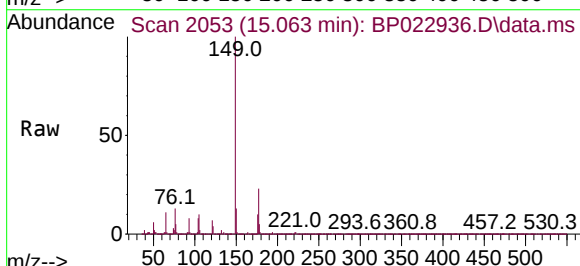
Manual Integrations
APPROVED

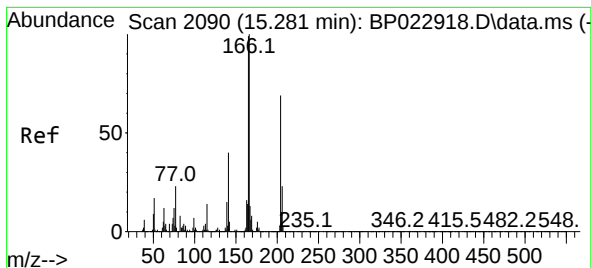
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#60
Diethylphthalate
Concen: 8.170 ng
RT: 15.063 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

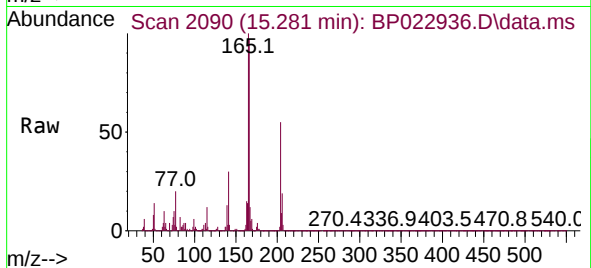
Tgt Ion:149 Resp: 95181
Ion Ratio Lower Upper
149 100
177 23.0 18.9 28.3
150 13.1 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 8.127 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

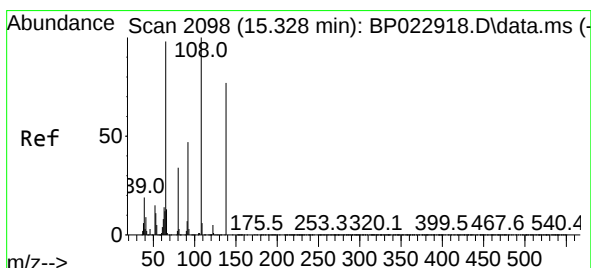
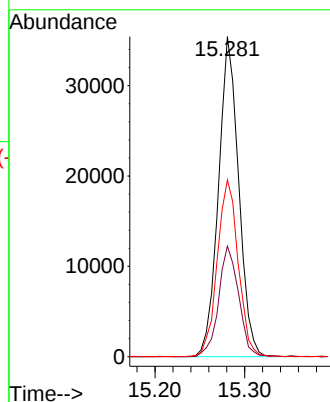
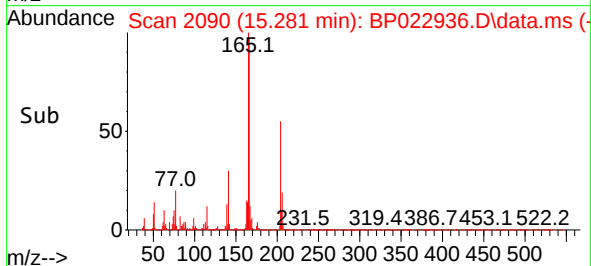
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



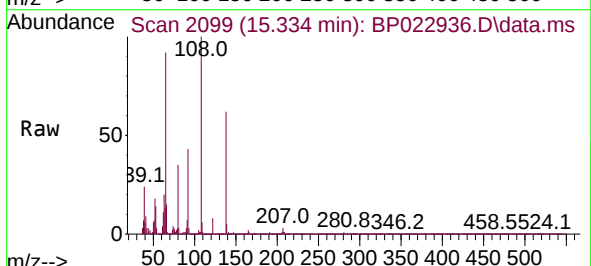
Tgt Ion: 204 Resp: 55394
Ion Ratio Lower Upper
204 100
206 34.6 26.8 40.2
141 55.2 46.2 69.4

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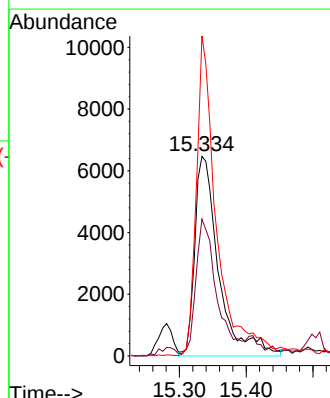
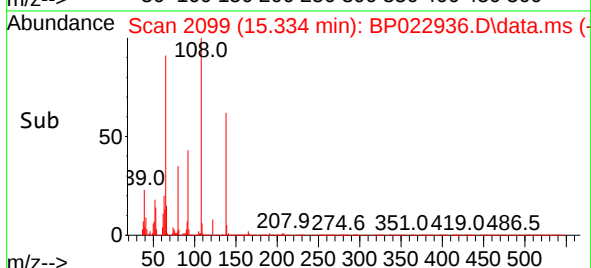
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

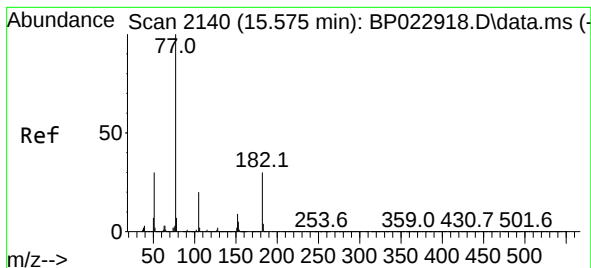


#62
4-Nitroaniline
Concen: 7.242 ng m
RT: 15.334 min Scan# 2099
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10



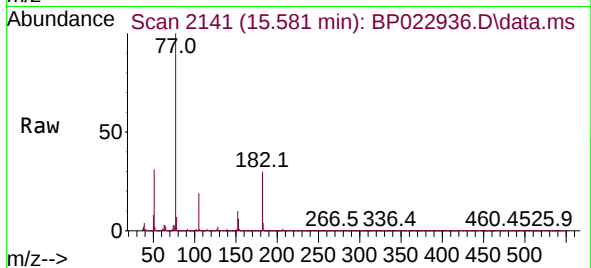
Tgt Ion: 138 Resp: 16082
Ion Ratio Lower Upper
138 100
92 68.6 41.9 81.9
108 160.3 109.3 149.3#





#63
Azobenzene
Concen: 8.610 ng
RT: 15.581 min Scan# 2141
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

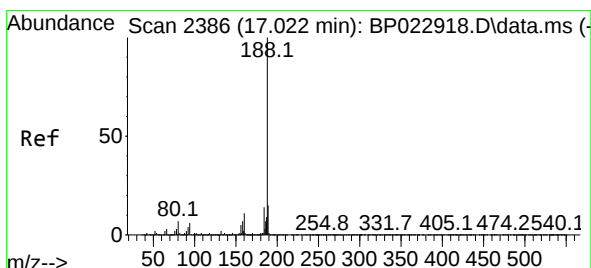
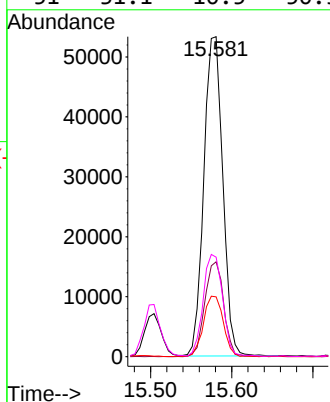
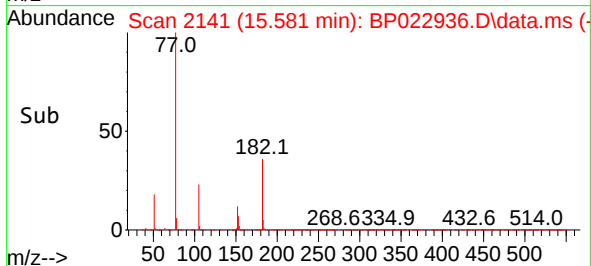
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 77 Resp: 8625
Ion Ratio Lower Upper
77 100
182 29.6 9.9 49.9
105 18.7 0.0 39.9
51 31.1 10.5 50.5

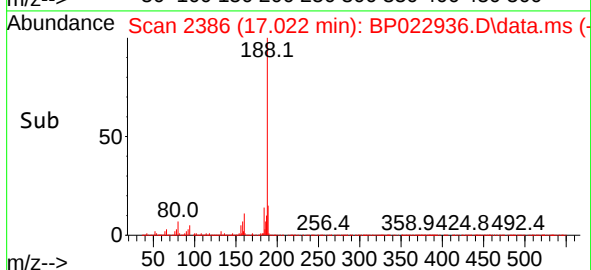
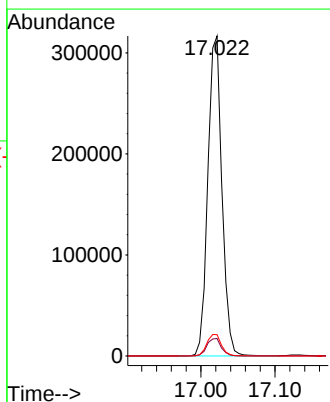
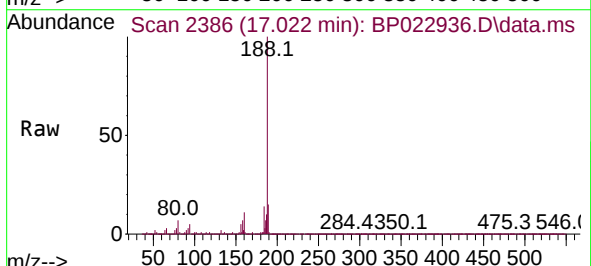
Manual Integrations
APPROVED

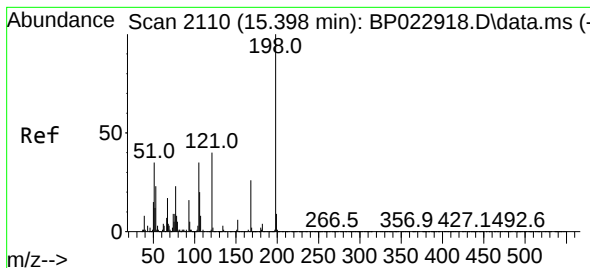
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.022 min Scan# 2386
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:188 Resp: 417330
Ion Ratio Lower Upper
188 100
94 5.5 4.8 7.2
80 6.6 5.9 8.9





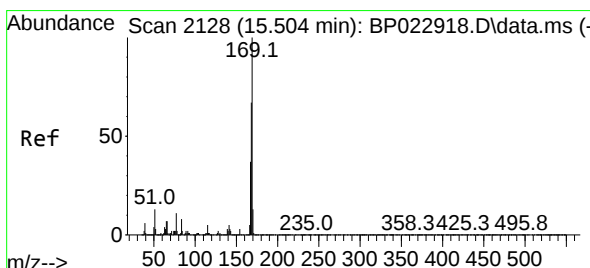
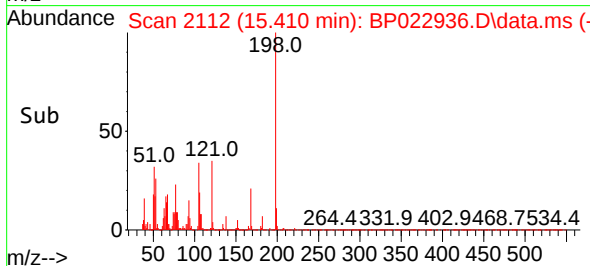
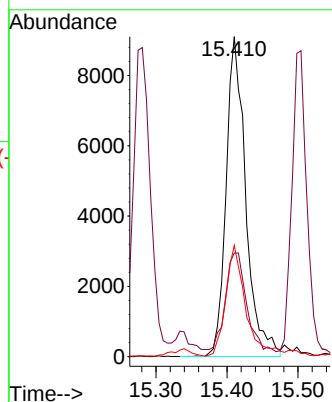
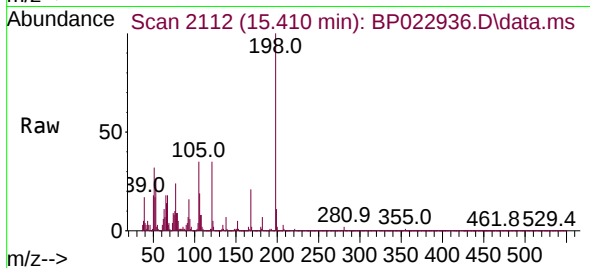
#65
4,6-Dinitro-2-methylphenol
Concen: 6.889 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.012 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

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

Tgt Ion:198 Resp: 1749
Ion Ratio Lower Upper
198 100
51 32.4 17.4 57.4
105 34.8 15.4 55.4

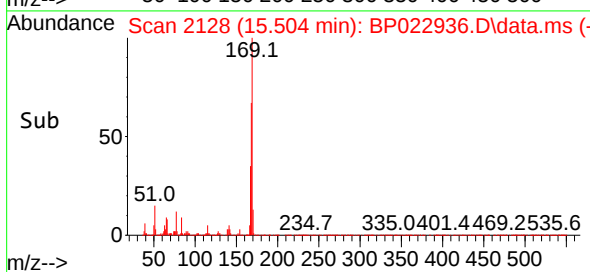
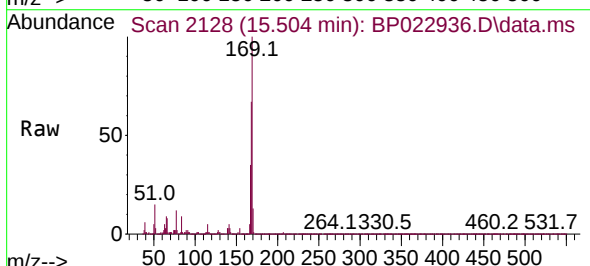
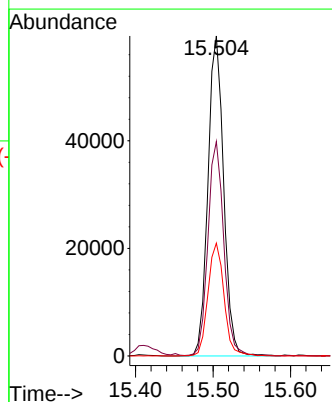
Manual Integrations
APPROVED

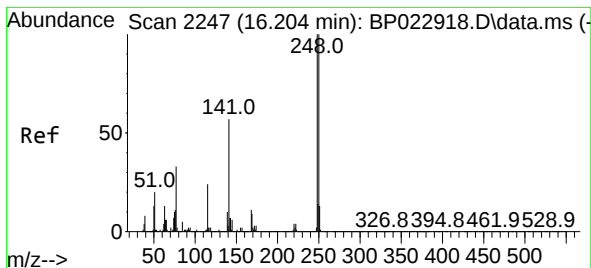
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#66
n-Nitrosodiphenylamine
Concen: 8.108 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

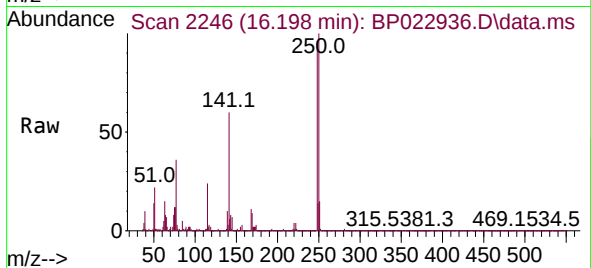
Tgt Ion:169 Resp: 83659
Ion Ratio Lower Upper
169 100
168 67.0 53.9 80.9
167 35.2 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 8.116 ng
RT: 16.198 min Scan# 211
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

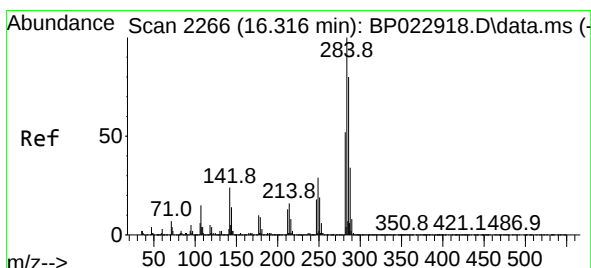
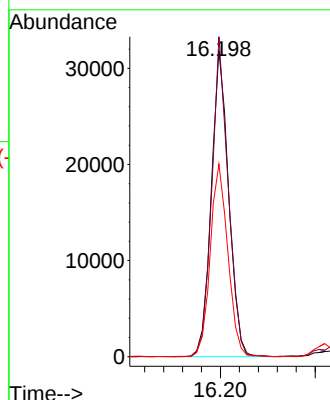
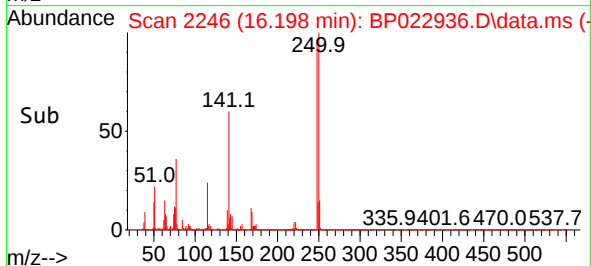
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 248 Resp: 40624
Ion Ratio Lower Upper
248 100
250 104.4 79.8 119.6
141 62.8 45.2 67.8

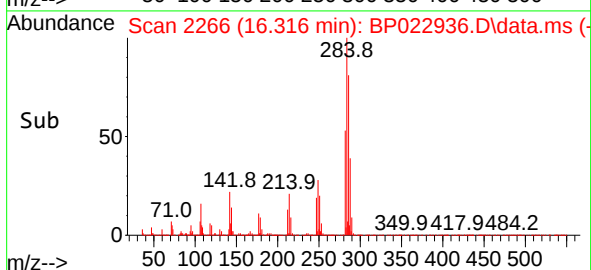
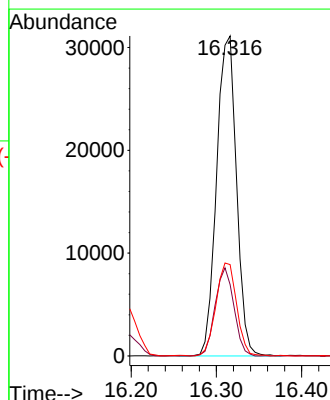
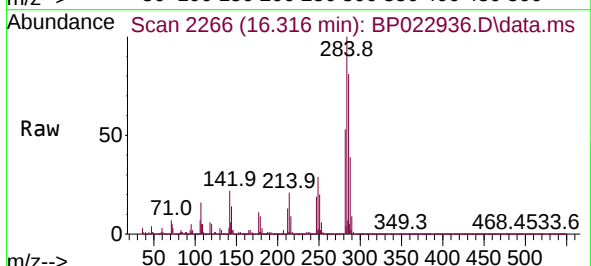
Manual Integrations
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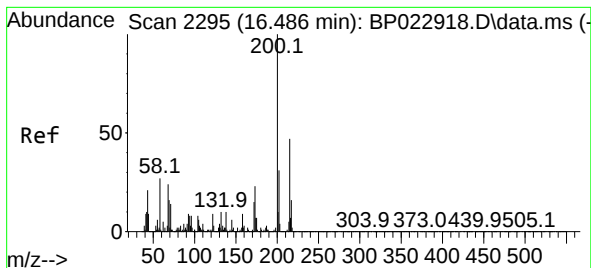
Reviewed By : Yogesh Patel 11/10/2024
Supervised By : mohammad ahmed 11/11/2024



#68
Hexachlorobenzene
Concen: 7.853 ng
RT: 16.316 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion: 284 Resp: 50348
Ion Ratio Lower Upper
284 100
142 22.3 19.0 28.4
249 28.5 23.0 34.6





#69

Atrazine

Concen: 10.181 ng

RT: 16.487 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

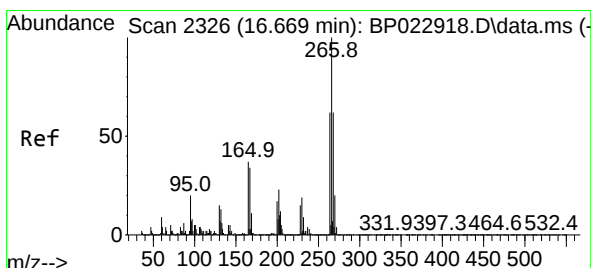
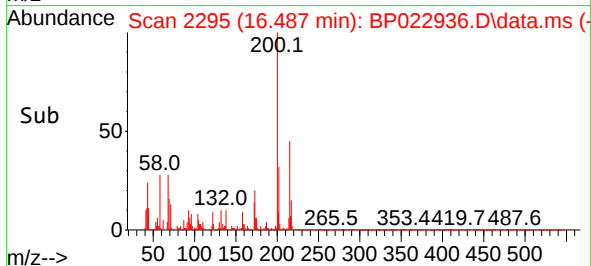
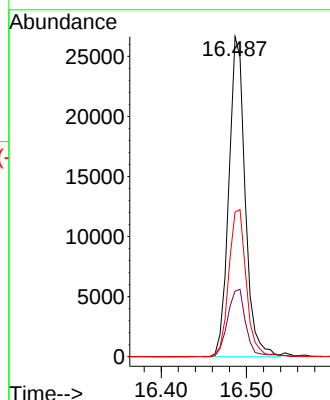
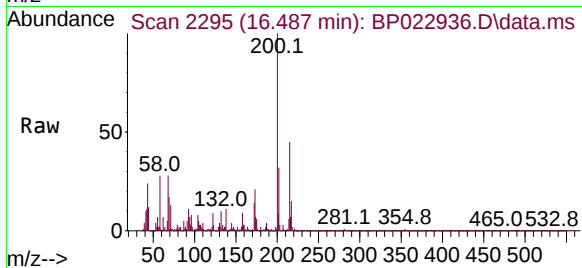
Tgt Ion:200 Resp: 35408
 Ion Ratio Lower Upper
 200 100
 173 20.5 2.7 42.7
 215 45.2 27.1 67.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#70

Pentachlorophenol

Concen: 6.785 ng

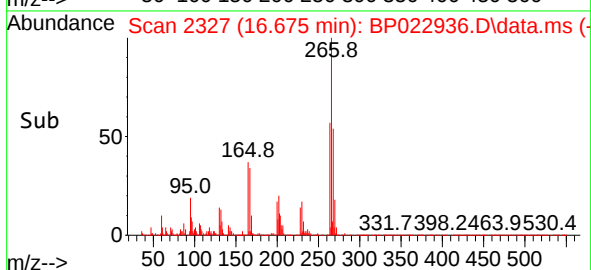
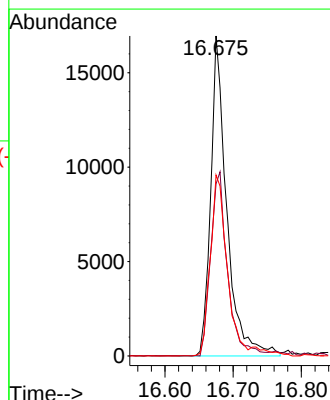
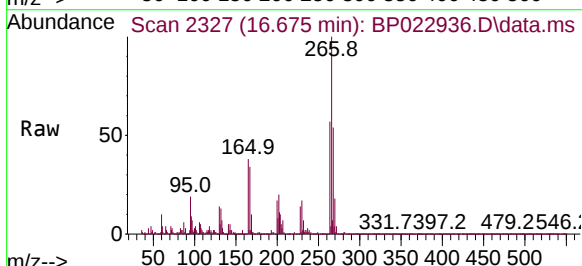
RT: 16.675 min Scan# 2327

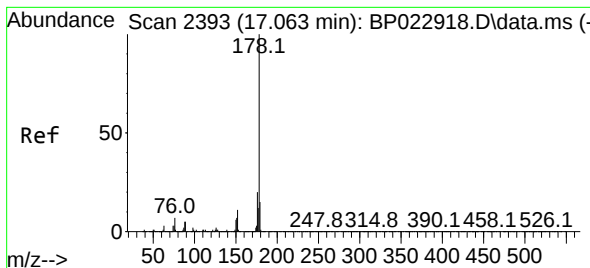
Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:266 Resp: 27779
 Ion Ratio Lower Upper
 266 100
 268 53.7 49.9 74.9
 264 56.5 49.7 74.5





#71

Phenanthrene

Concen: 8.288 ng

RT: 17.063 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

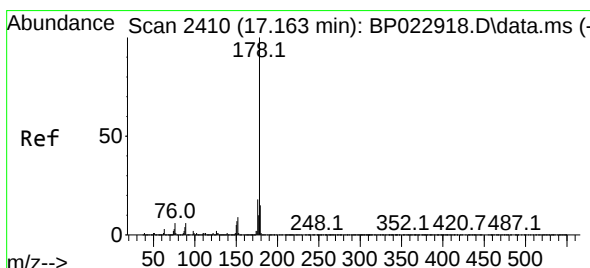
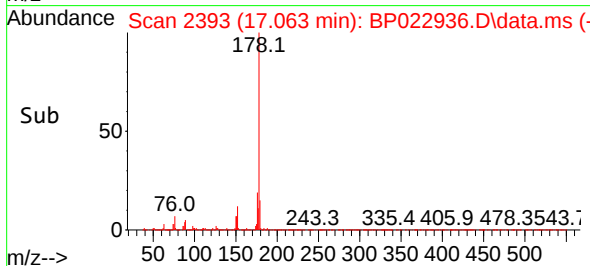
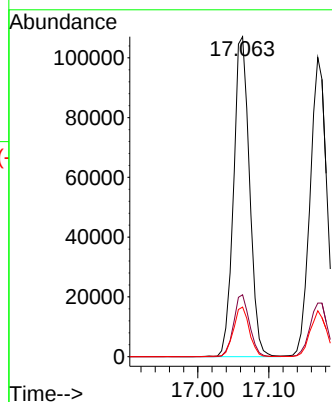
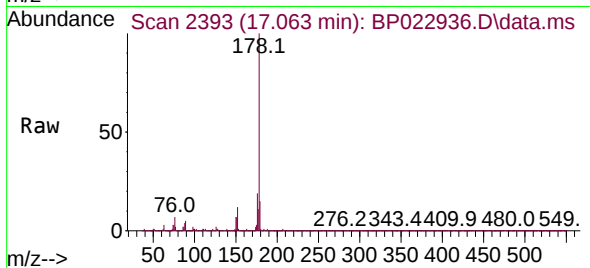
Tgt Ion:178	Resp: 16738
Ion Ratio	Lower Upper
178	100
176	19.4 15.6 23.4
179	15.5 12.0 18.0

Manual Integrations

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Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#72

Anthracene

Concen: 8.684 ng

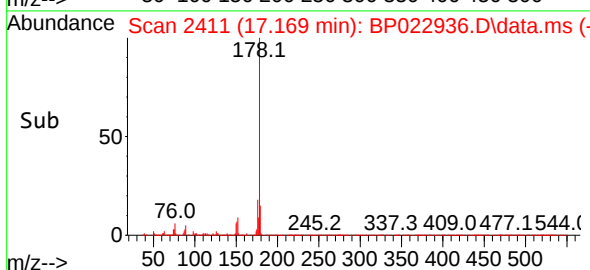
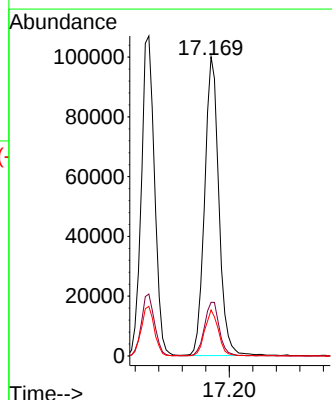
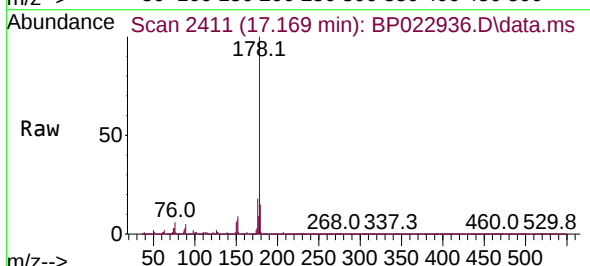
RT: 17.169 min Scan# 2411

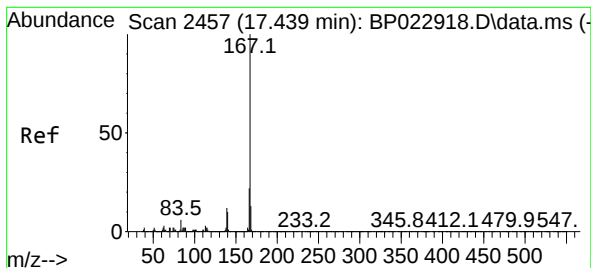
Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:178	Resp: 168329
Ion Ratio	Lower Upper
178	100
176	17.9 14.6 22.0
179	15.3 12.3 18.5





#73

Carbazole

Concen: 7.861 ng

RT: 17.451 min Scan# 2459

Delta R.T. 0.012 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

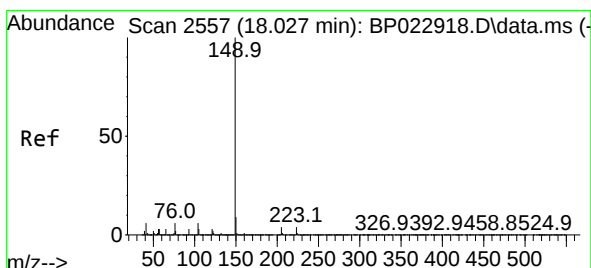
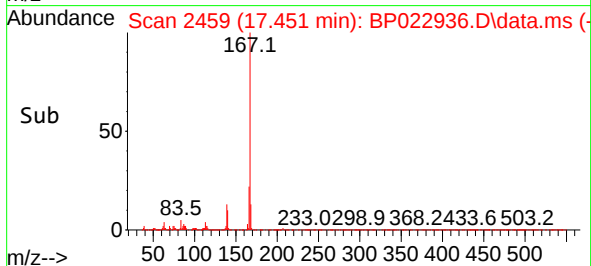
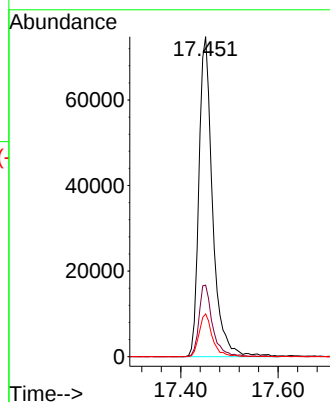
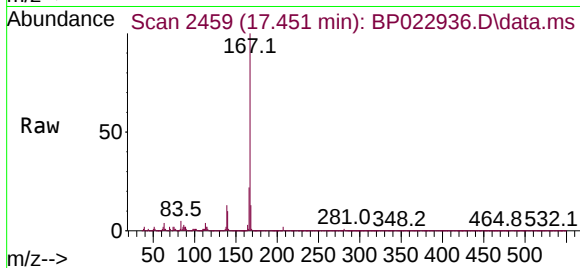
Tgt Ion:	167	Resp:	145518
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.4	26.2
139	13.4	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#74

Di-n-butylphthalate

Concen: 7.658 ng

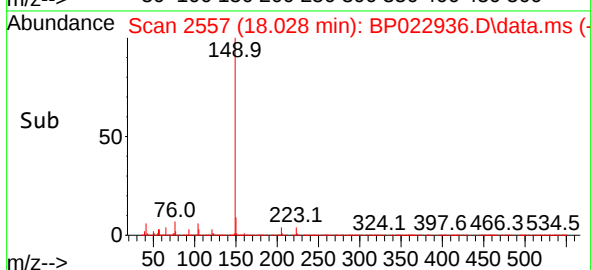
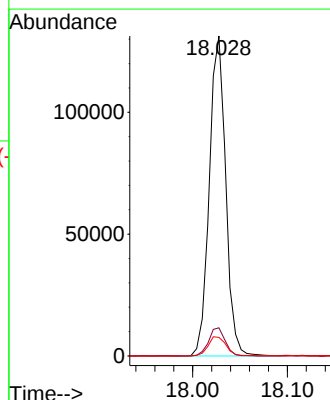
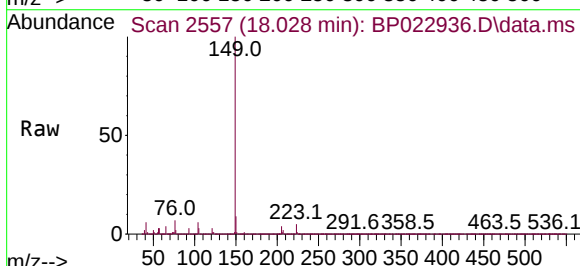
RT: 18.028 min Scan# 2557

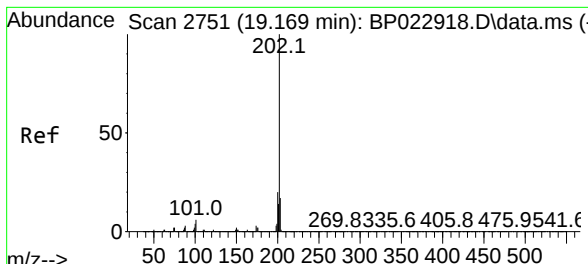
Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:	149	Resp:	158002
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.2	10.8
104	5.8	4.8	7.2



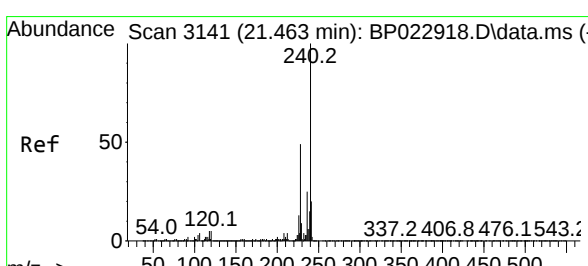
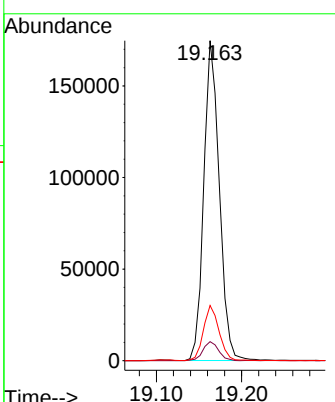
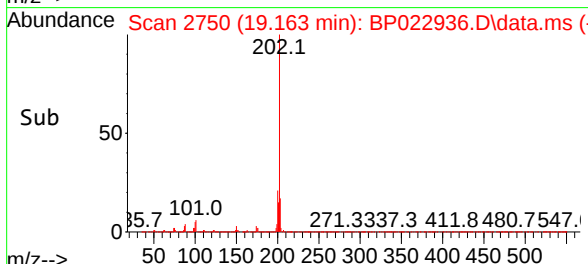
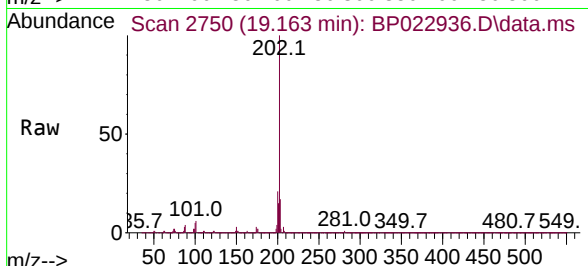


#75
 Fluoranthene
 Concen: 7.910 ng
 RT: 19.163 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP022936.D
 Acq: 08 Nov 2024 16:10

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

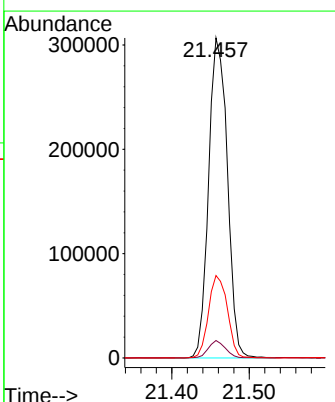
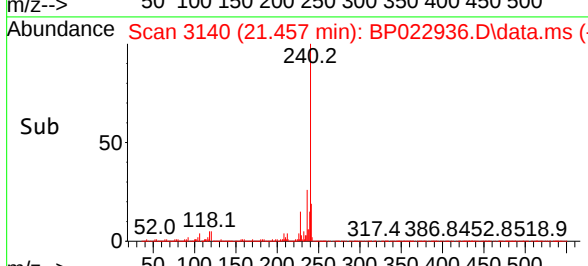
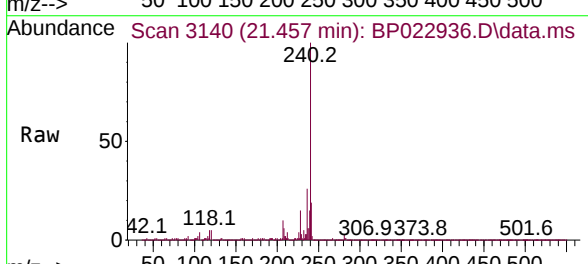
Tgt Ion:	202	Resp:	221614
Ion Ratio	Lower	Upper	
202	100		
101	6.0	0.0	25.5
203	17.3	0.0	37.2

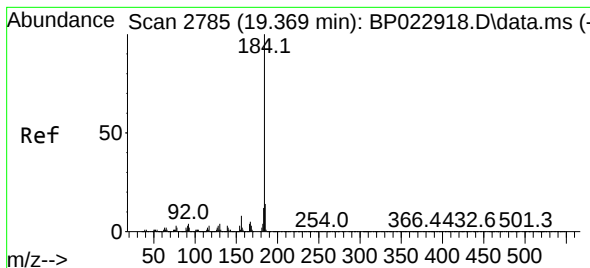
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 11/10/2024
 Supervised By :mohammad ahmed 11/11/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.457 min Scan# 3140
 Delta R.T. -0.006 min
 Lab File: BP022936.D
 Acq: 08 Nov 2024 16:10

Tgt Ion:	240	Resp:	515124
Ion Ratio	Lower	Upper	
240	100		
120	5.5	4.2	6.2
236	25.7	20.4	30.6





#77

Benzidine

Concen: 9.698 ng

RT: 19.375 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

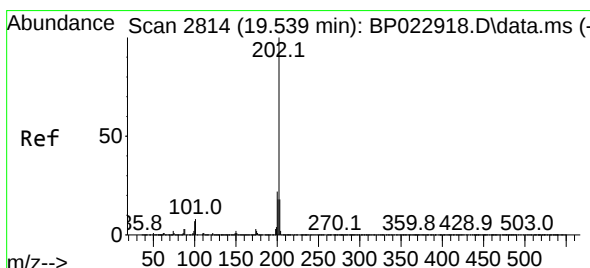
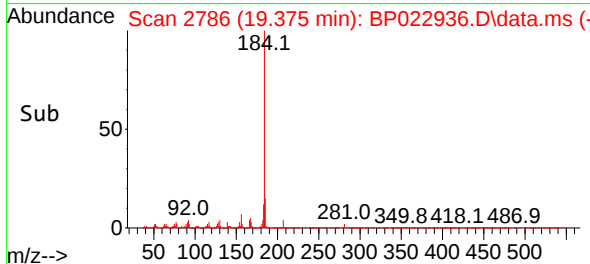
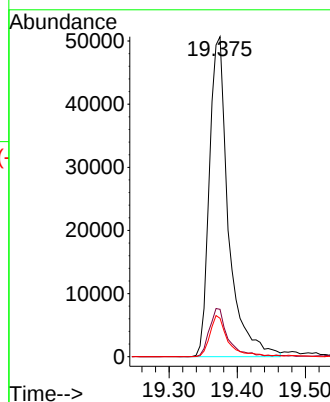
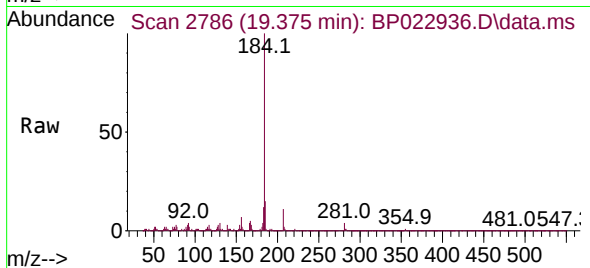
Tgt Ion:	184	Resp:	98710
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.3	16.9
183	12.0	9.7	14.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#78

Pyrene

Concen: 7.779 ng

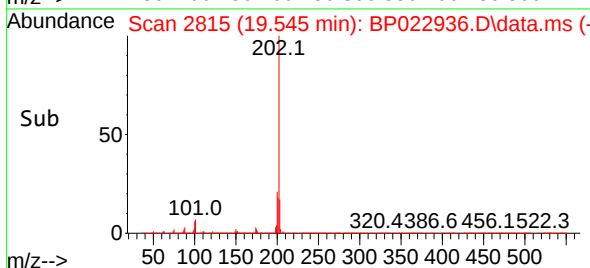
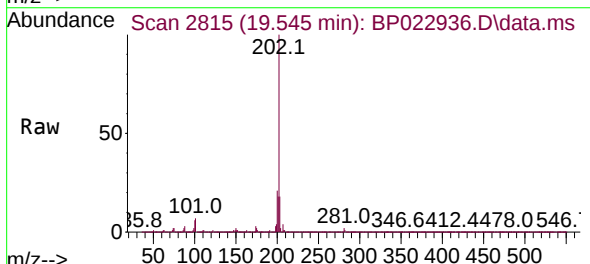
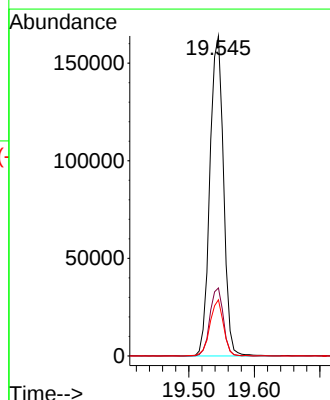
RT: 19.545 min Scan# 2815

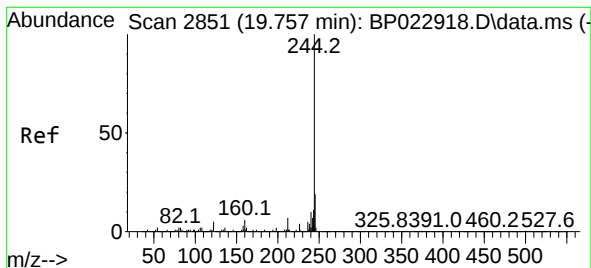
Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:	202	Resp:	237179
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0
203	17.5	14.2	21.2





#79

Terphenyl-d14

Concen: 88.985 ng

RT: 19.757 min Scan# 2851

Delta R.T. 0.000 min

Lab File: BP022936.D

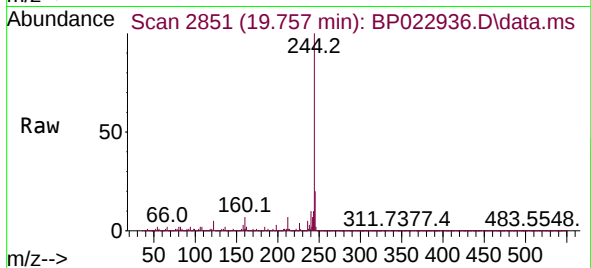
Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:244 Resp: 2440770

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

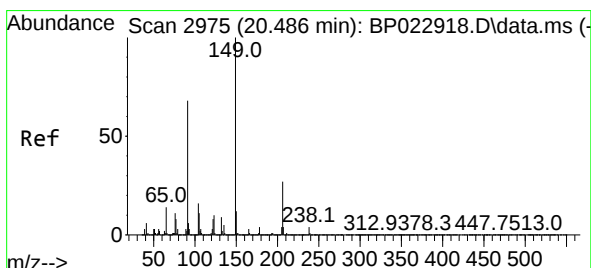
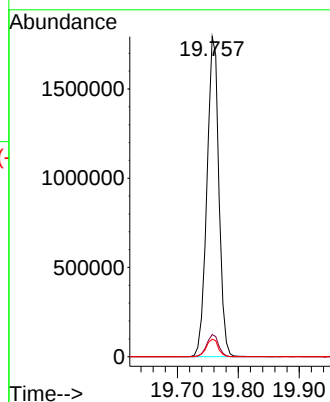
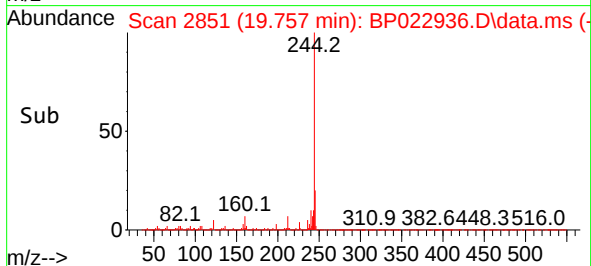
122 5.4 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#80

Butylbenzylphthalate

Concen: 7.323 ng

RT: 20.486 min Scan# 2975

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

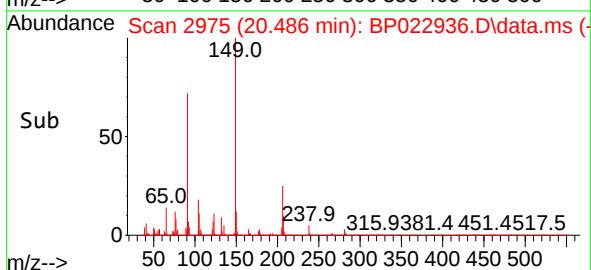
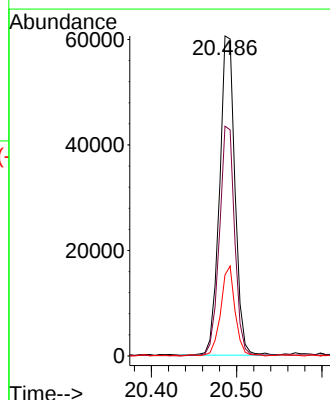
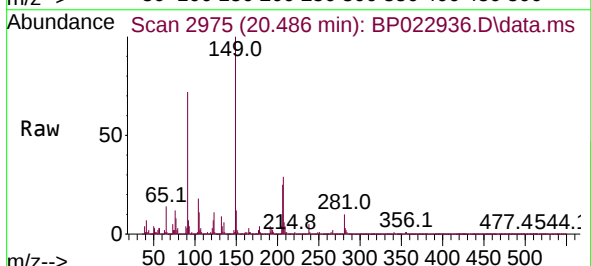
Tgt Ion:149 Resp: 76133

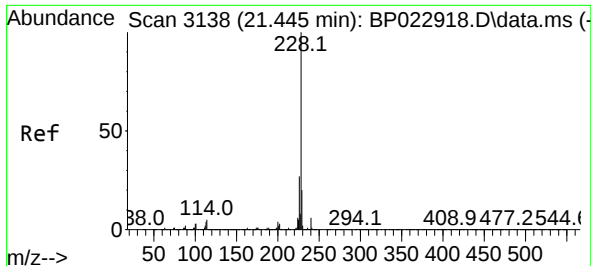
Ion Ratio Lower Upper

149 100

91 71.8 54.6 82.0

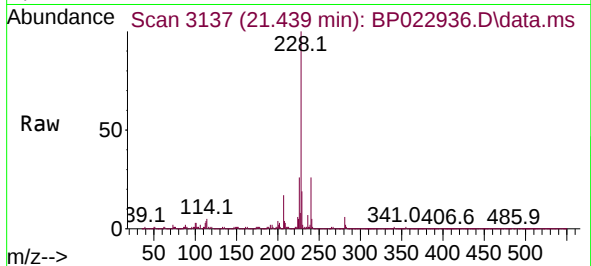
206 25.3 21.3 31.9





#81
Benzo(a)anthracene
Concen: 8.414 ng
RT: 21.439 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

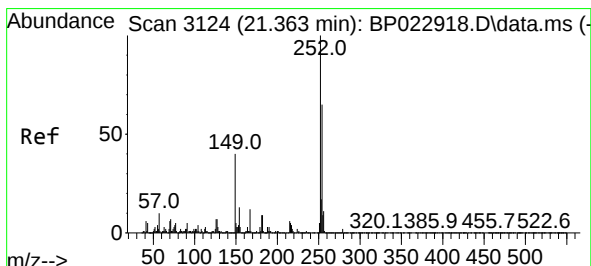
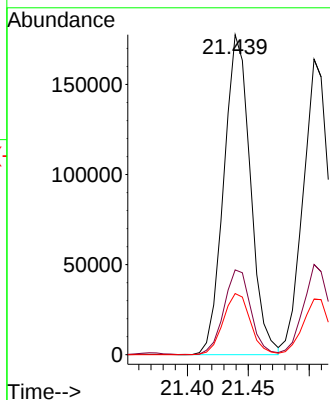
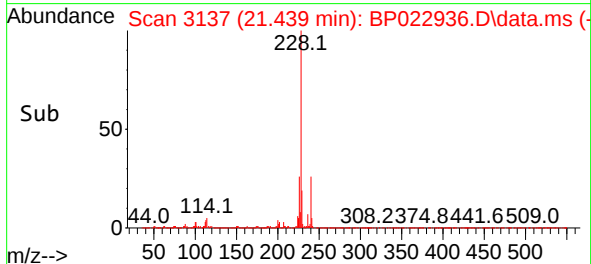
Instrument : BNA_P
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:228 Resp: 269720
Ion Ratio Lower Upper
228 100
226 26.5 21.8 32.6
229 19.1 16.0 24.0

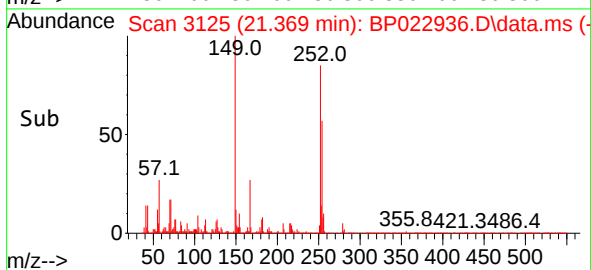
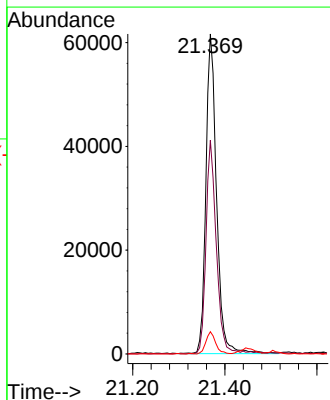
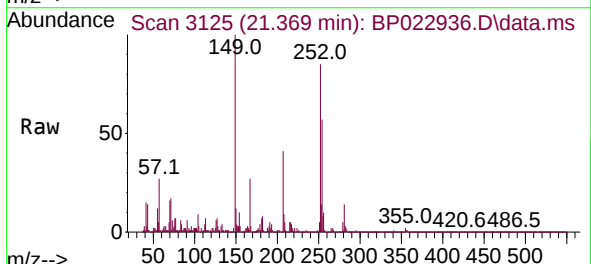
Manual Integrations
APPROVED

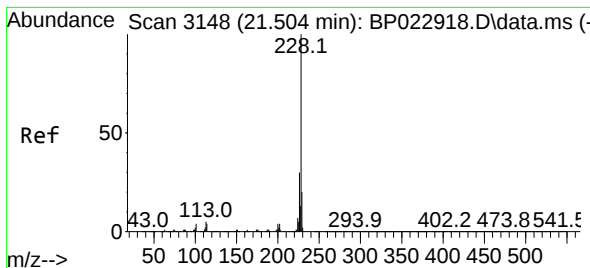
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#82
3,3'-Dichlorobenzidine
Concen: 7.691 ng
RT: 21.369 min Scan# 3125
Delta R.T. 0.006 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:252 Resp: 99795
Ion Ratio Lower Upper
252 100
254 66.8 51.7 77.5
126 7.0 5.4 8.0





#83

Chrysene

Concen: 8.490 ng

RT: 21.504 min Scan# 3148

Delta R.T. 0.000 min

Lab File: BP022936.D

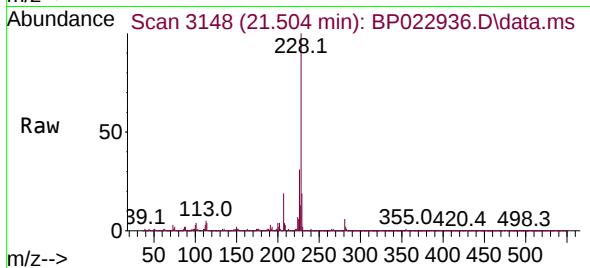
Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



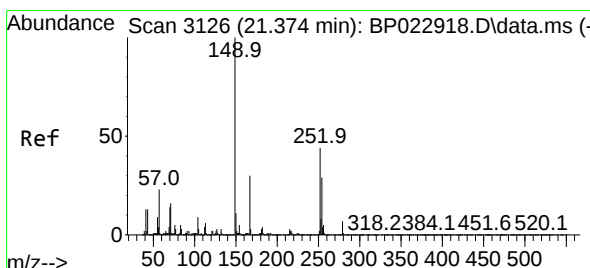
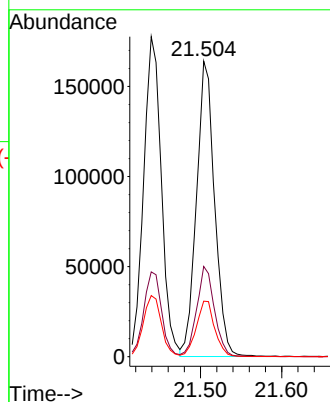
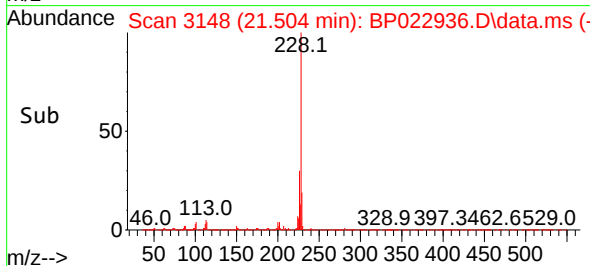
Tgt Ion:	228	Resp:	254924
Ion Ratio	100	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	18.8	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.381 ng

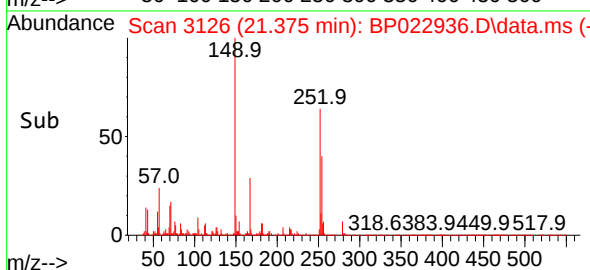
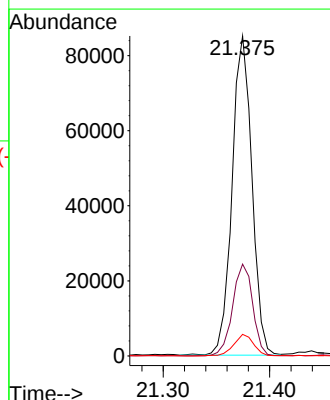
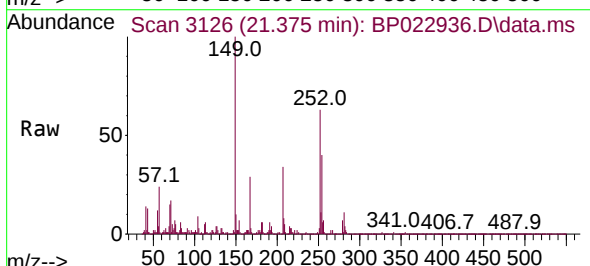
RT: 21.375 min Scan# 3126

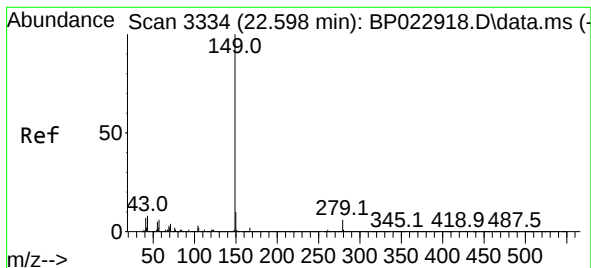
Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

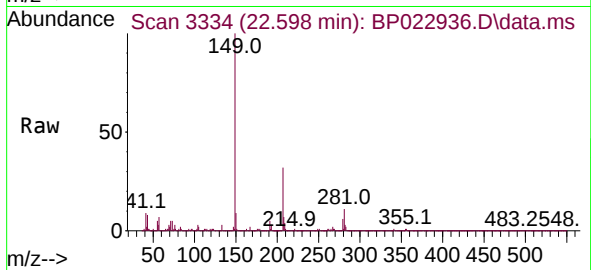
Tgt Ion:	149	Resp:	110124
Ion Ratio	100	Lower	Upper
149	100		
167	28.7	23.7	35.5
279	6.8	5.3	7.9





#85
Di-n-octyl phthalate
Concen: 7.528 ng
RT: 22.598 min Scan# 311
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

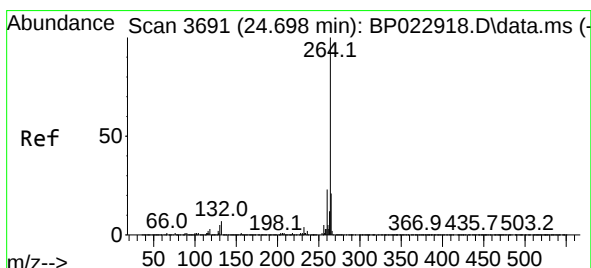
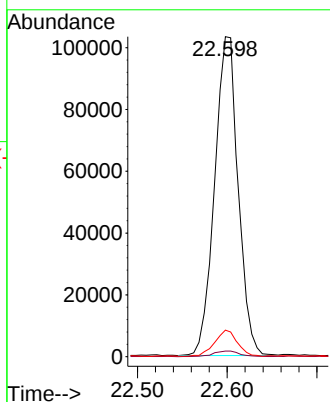
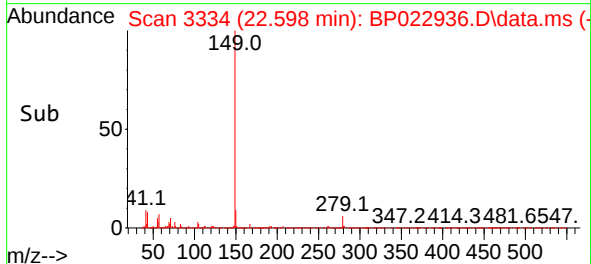
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:149 Resp: 187688
Ion Ratio Lower Upper
149 100
167 2.0 1.4 2.0
43 7.8 6.3 9.5

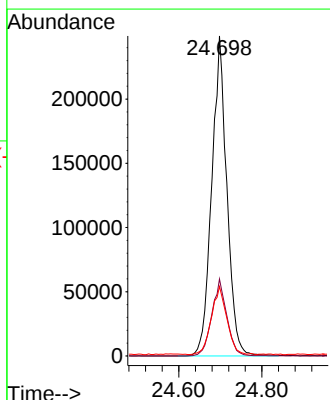
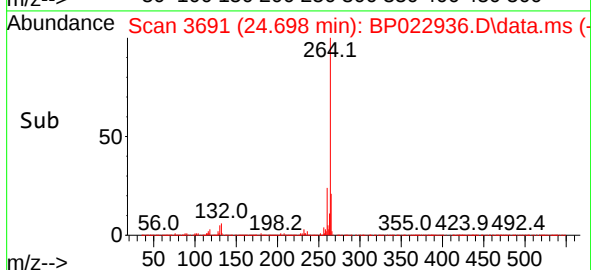
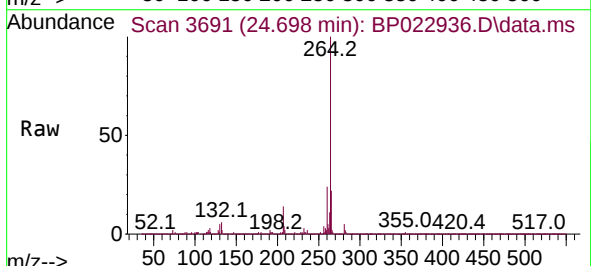
Manual Integrations
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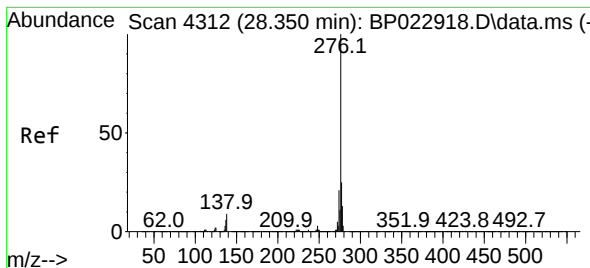
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.698 min Scan# 3691
Delta R.T. 0.000 min
Lab File: BP022936.D
Acq: 08 Nov 2024 16:10

Tgt Ion:264 Resp: 630683
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.434 ng

RT: 28.357 min Scan# 4312

Delta R.T. 0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:276 Resp: 358772

Ion Ratio Lower Upper

276 100

138 4.6 8.7 13.1

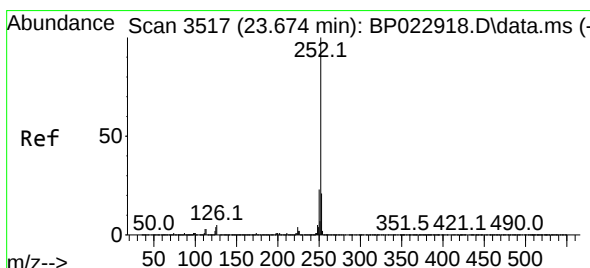
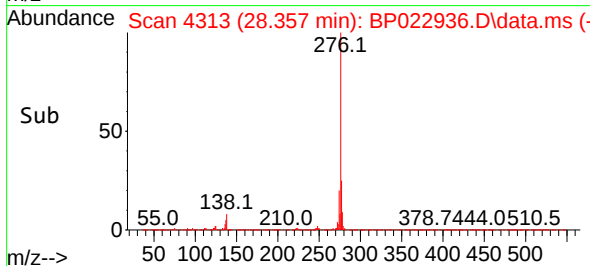
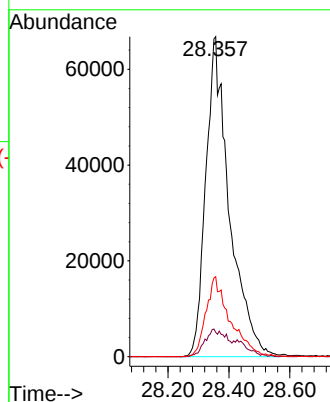
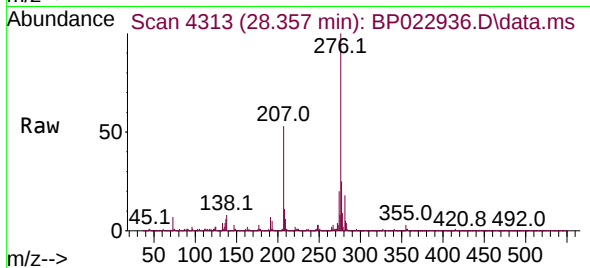
277 25.4 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#88

Benzo(b)fluoranthene

Concen: 8.099 ng

RT: 23.669 min Scan# 3516

Delta R.T. -0.006 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

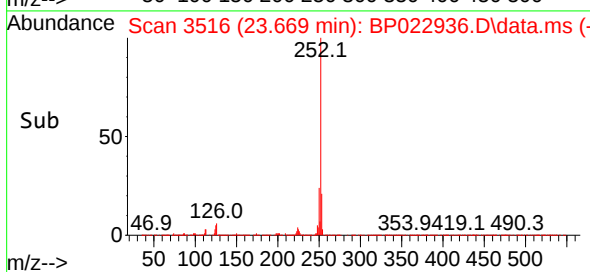
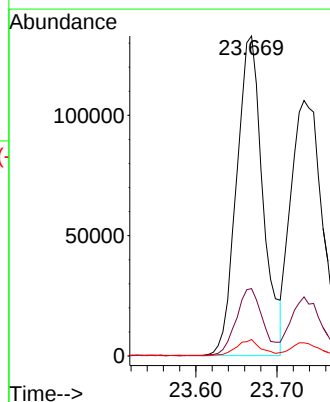
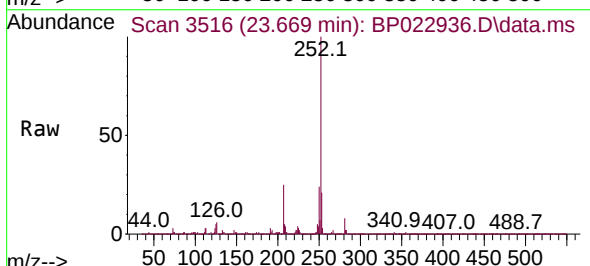
Tgt Ion:252 Resp: 300109

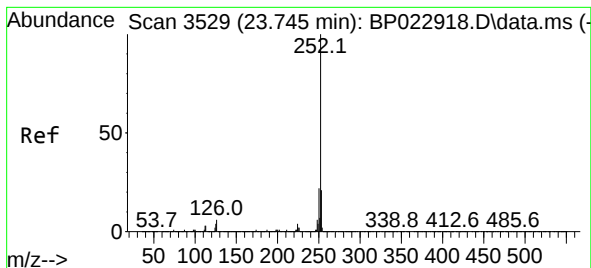
Ion Ratio Lower Upper

252 100

253 21.1 16.8 25.2

125 5.1 3.2 4.8





#89

Benzo(k)fluoranthene

Concen: 8.163 ng

RT: 23.733 min Scan# 3529

Delta R.T. -0.012 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

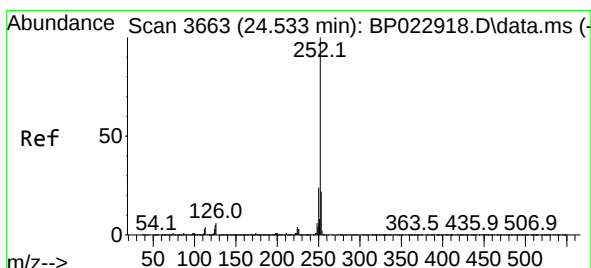
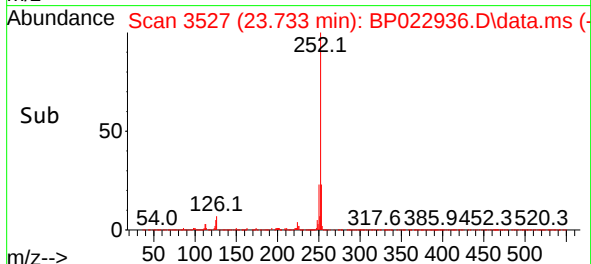
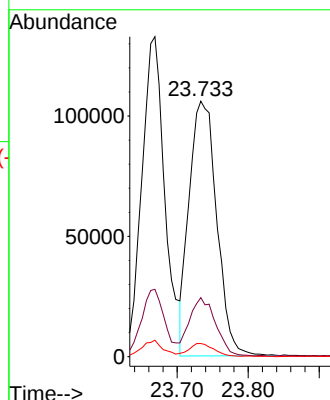
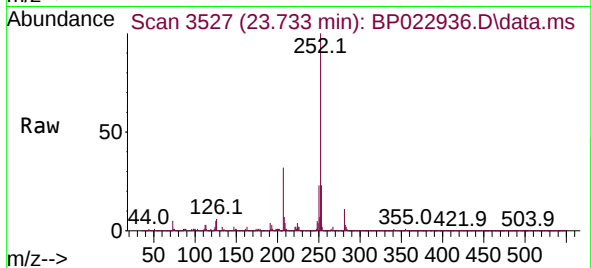
Tgt Ion:	252	Resp:	28560
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	5.1	3.4	5.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 8.490 ng

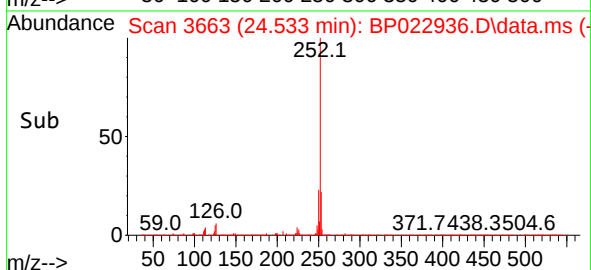
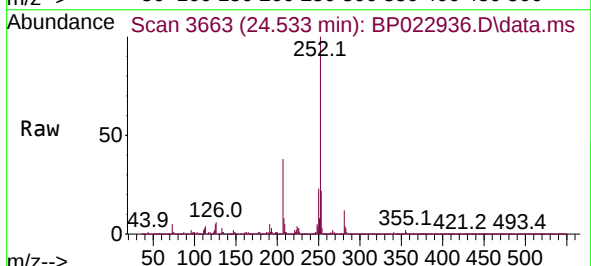
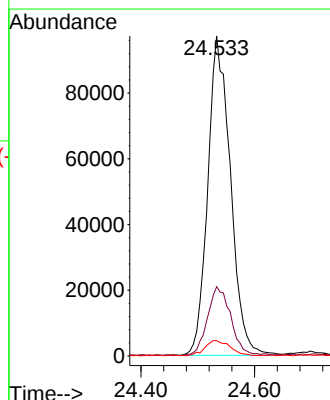
RT: 24.533 min Scan# 3663

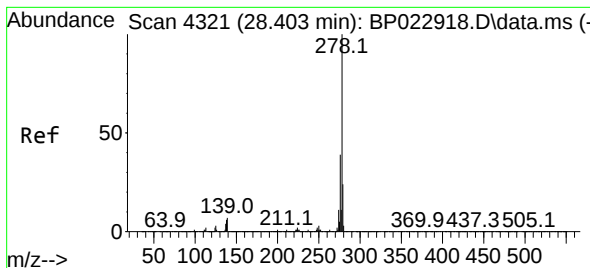
Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:	252	Resp:	269175
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.7	26.5
125	4.8	4.0	6.0





#91

Dibenzo(a,h)anthracene

Concen: 8.378 ng

RT: 28.433 min Scan# 41

Delta R.T. 0.030 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

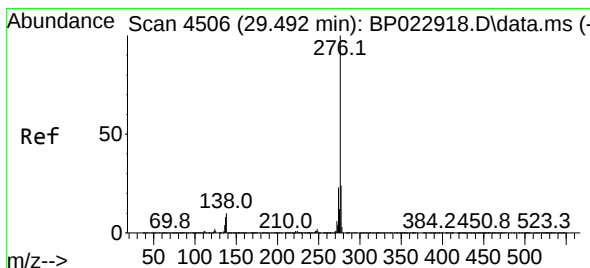
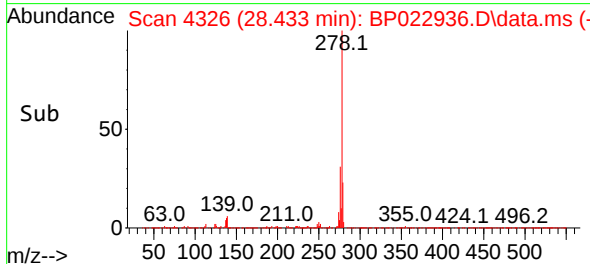
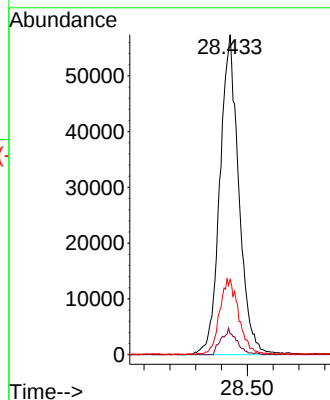
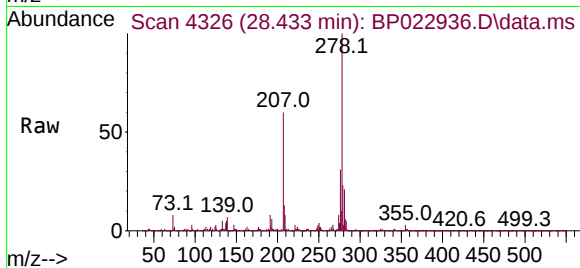
Tgt Ion:	278	Resp:	29225
Ion Ratio	Lower	Upper	
278	100		
139	6.5	5.4	8.2
279	23.5	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#92

Benzo(g,h,i)perylene

Concen: 7.638 ng

RT: 29.492 min Scan# 4506

Delta R.T. 0.000 min

Lab File: BP022936.D

Acq: 08 Nov 2024 16:10

Tgt Ion:	276	Resp:	273009
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.8	28.2
138	9.8	7.6	11.4

