

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092324\
 Data File : BP021978.D
 Acq On : 23 Sep 2024 11:50
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-4 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 23 12:20:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	82616	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	318886	20.000	ng	0.00
39) Acenaphthene-d10	14.334	164	259790	20.000	ng	0.00
64) Phenanthrene-d10	17.122	188	676864	20.000	ng	-0.02
76) Chrysene-d12	21.551	240	900175	20.000	ng	-0.01
86) Perylene-d12	24.845	264	1128695	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	463621	105.460	ng	0.00
7) Phenol-d6	6.893	99	599683	105.078	ng	0.00
23) Nitrobenzene-d5	8.851	82	459840	76.302	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	593824	123.297	ng	-0.02
45) 2-Fluorobiphenyl	12.939	172	1284547	72.179	ng	0.00
79) Terphenyl-d14	19.845	244	2947256	61.503	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	6286	3.444	ng	# 90
3) Pyridine	3.663	79	14328	2.943	ng	# 88
4) n-Nitrosodimethylamine	3.563	42	10715	4.172	ng	# 93
6) Aniline	7.052	93	20947	4.177	ng	95
8) 2-Chlorophenol	7.281	128	16826	3.579	ng	91
9) Benzaldehyde	6.863	77	15464m	5.182	ng	
10) Phenol	6.916	94	19116	3.372	ng	83
11) bis(2-Chloroethyl)ether	7.140	93	15461	3.621	ng	96
12) 1,3-Dichlorobenzene	7.599	146	20607	3.472	ng	91
13) 1,4-Dichlorobenzene	7.746	146	22088	3.670	ng	96
14) 1,2-Dichlorobenzene	8.057	146	20621	3.570	ng	97
15) Benzyl Alcohol	7.946	79	15314	3.499	ng	# 90
16) 2,2'-oxybis(1-Chloropr...	8.228	45	16902	3.711	ng	99
17) 2-Methylphenol	8.151	107	12134	3.169	ng	96
18) Hexachloroethane	8.775	117	7296	3.297	ng	94
19) n-Nitroso-di-n-propyla...	8.504	70	13289	3.746	ng	99
20) 3+4-Methylphenols	8.469	107	16392	3.032	ng	89
22) Acetophenone	8.522	105	27965	3.595	ng	95
24) Nitrobenzene	8.893	77	21365	3.491	ng	95
25) Isophorone	9.416	82	34042	3.426	ng	# 94
26) 2-Nitrophenol	9.598	139	8083	3.021	ng	95
27) 2,4-Dimethylphenol	9.657	122	8078	2.607	ng	95
28) bis(2-Chloroethoxy)met...	9.893	93	19916	3.343	ng	98
29) 2,4-Dichlorophenol	10.134	162	16213	3.083	ng	93
30) 1,2,4-Trichlorobenzene	10.334	180	22423	3.423	ng	97
31) Naphthalene	10.528	128	54503	3.425	ng	99
32) Benzoic acid	9.722	122	7904m	2.182	ng	
33) 4-Chloroaniline	10.634	127	21111	3.678	ng	98
34) Hexachlorobutadiene	10.816	225	17450	3.405	ng	90
35) Caprolactam	11.404	113	4455	2.846	ng	94
36) 4-Chloro-3-methylphenol	11.757	107	16727	2.964	ng	# 87
37) 2-Methylnaphthalene	12.134	142	39481	3.391	ng	96
38) 1-Methylnaphthalene	12.345	142	37615	3.273	ng	94
40) 1,2,4,5-Tetrachloroben...	12.510	216	29690	3.267	ng	98
41) Hexachlorocyclopentadiene	12.492	237	8038	2.380	ng	92
43) 2,4,6-Trichlorophenol	12.751	196	15977	2.864	ng	97

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Instrument :
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 MDL-SOIL-03-QT2-2024

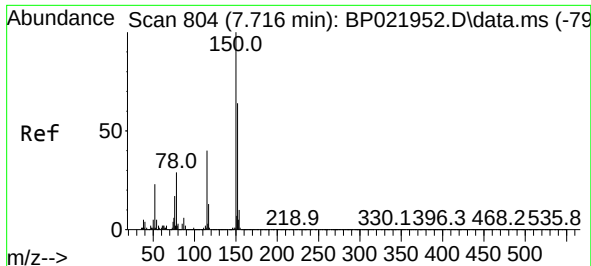
Manual Integrations
 APPROVED

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 Supervised By :mohammad ahmed 09/25/2024

Quant Time: Sep 23 12:20:55 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.828	196	17941	2.867	ng	97
46) 1,1'-Biphenyl	13.151	154	60975	3.442	ng	99
47) 2-Chloronaphthalene	13.198	162	46318	3.234	ng	95
48) 2-Nitroaniline	13.398	65	10709	2.738	ng	98
49) Acenaphthylene	14.051	152	69935	3.460	ng	99
50) Dimethylphthalate	13.775	163	61732	3.276	ng	97
51) 2,6-Dinitrotoluene	13.904	165	11383	2.711	ng	92
52) Acenaphthene	14.398	154	43527	3.309	ng	98
53) 3-Nitroaniline	14.239	138	10246	2.738	ng	# 92
54) 2,4-Dinitrophenol	14.439	184	5834	2.372	ng	97
55) Dibenzofuran	14.733	168	77086	3.487	ng	98
56) 4-Nitrophenol	14.569	139	8051	2.472	ng	91
57) 2,4-Dinitrotoluene	14.698	165	16740	2.820	ng	93
58) Fluorene	15.392	166	60905	3.299	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.969	232	18754	3.105	ng	# 99
60) Diethylphthalate	15.175	149	62606	3.270	ng	97
61) 4-Chlorophenyl-phenyle...	15.392	204	36460	3.392	ng	96
62) 4-Nitroaniline	15.410	138	10916	2.653	ng	97
63) Azobenzene	15.692	77	52374	3.305	ng	95
65) 4,6-Dinitro-2-methylph...	15.469	198	9833	2.506	ng	89
66) n-Nitrosodiphenylamine	15.616	169	52236	3.099	ng	98
67) 4-Bromophenyl-phenylether	16.304	248	25312	3.208	ng	95
68) Hexachlorobenzene	16.416	284	32829	3.337	ng	98
69) Atrazine	16.586	200	23176	3.838	ng	98
70) Pentachlorophenol	16.769	266	17306	2.615	ng	89
71) Phenanthrene	17.163	178	107054	3.295	ng	98
72) Anthracene	17.263	178	98491	3.131	ng	99
73) Carbazole	17.533	167	96781	3.186	ng	98
74) Di-n-butylphthalate	18.133	149	103080	2.889	ng	98
75) Fluoranthene	19.251	202	144711	3.191	ng	98
77) Benzidine	19.451	184	45708	4.155	ng	98
78) Pyrene	19.621	202	153307	2.815	ng	99
80) Butylbenzylphthalate	20.580	149	49911	2.570	ng	96
81) Benzo(a)anthracene	21.527	228	187609	3.243	ng	99
82) 3,3'-Dichlorobenzidine	21.457	252	60507	2.883	ng	97
83) Chrysene	21.598	228	179390	3.294	ng	100
84) Bis(2-ethylhexyl)phtha...	21.474	149	74210	2.603	ng	98
85) Di-n-octyl phthalate	22.739	149	122452	2.529	ng	99
87) Indeno(1,2,3-cd)pyrene	28.574	276	267647m	3.565	ng	
88) Benzo(b)fluoranthene	23.798	252	202207	3.029	ng	99
89) Benzo(k)fluoranthene	23.862	252	204814	3.242	ng	99
90) Benzo(a)pyrene	24.680	252	184610	3.210	ng	97
91) Dibenzo(a,h)anthracene	28.662	278	219652	3.545	ng	97
92) Benzo(g,h,i)perylene	29.744	276	212406	3.347	ng	96

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



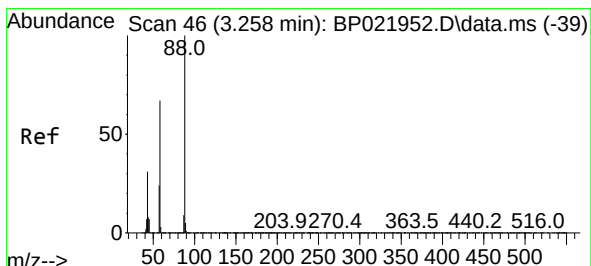
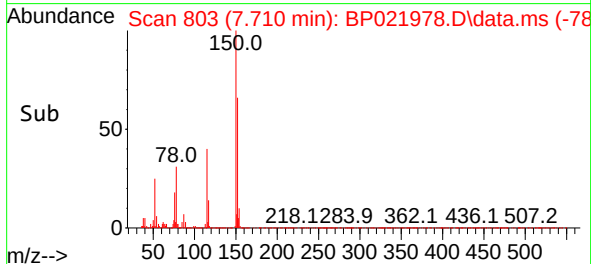
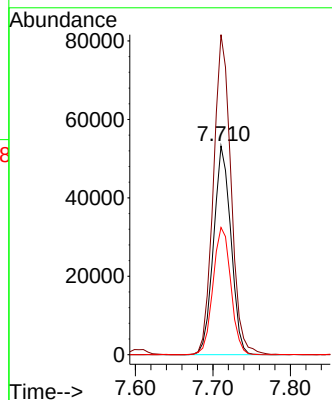
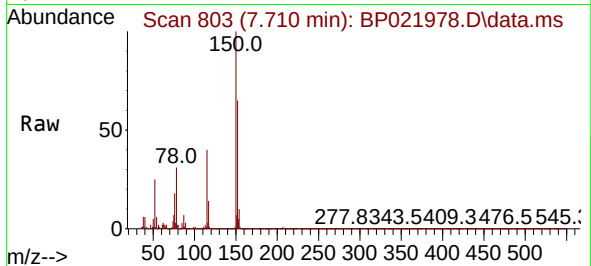
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.710 min Scan# 804
 Delta R.T. -0.006 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Tgt Ion: 152 Resp: 82610
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.2 186.2
 115 61.0 49.2 73.8

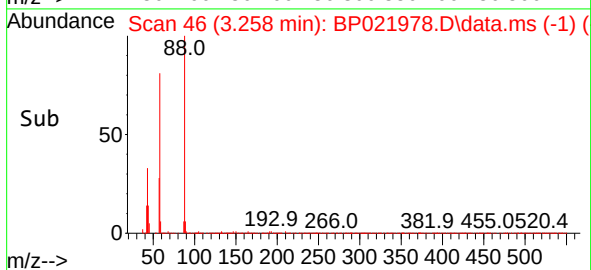
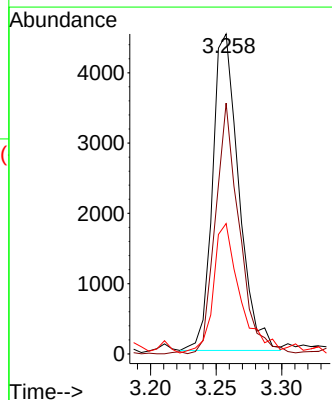
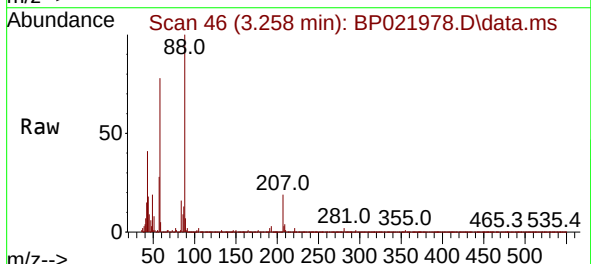
Manual Integrations
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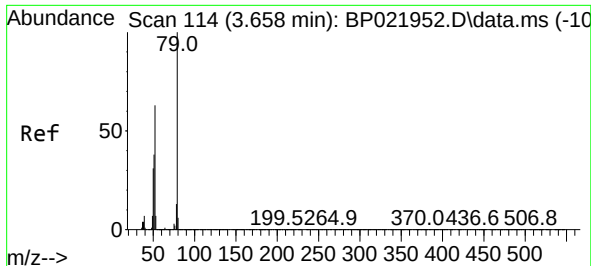
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



#2
 1,4-Dioxane
 Concen: 3.444 ng
 RT: 3.258 min Scan# 46
 Delta R.T. -0.000 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50

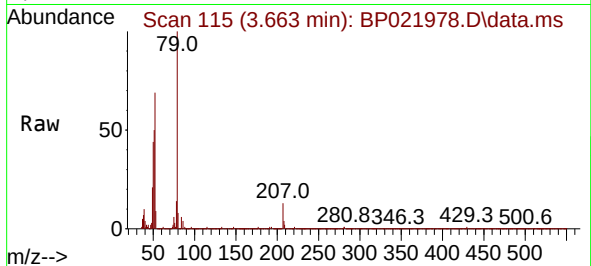
Tgt Ion: 88 Resp: 6286
 Ion Ratio Lower Upper
 88 100
 58 72.3 53.8 80.6
 43 41.8 25.2 37.8





#3
Pyridine
Concen: 2.943 ng
RT: 3.663 min Scan# 114
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

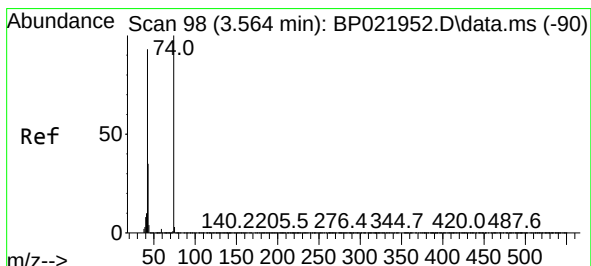
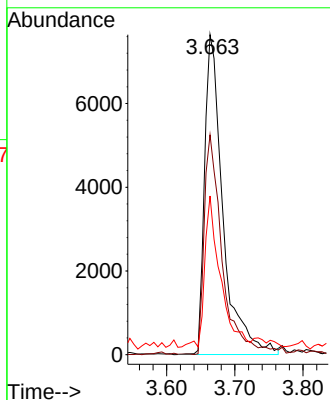
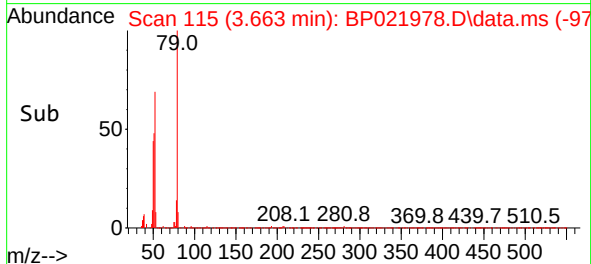
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 79 Resp: 14328
Ion Ratio Lower Upper
79 100
52 68.7 50.3 75.5
51 49.6 30.9 46.3

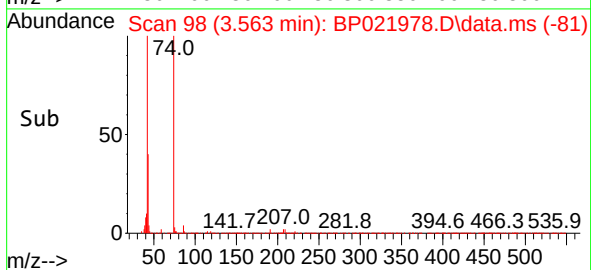
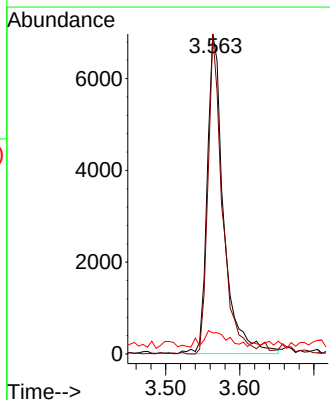
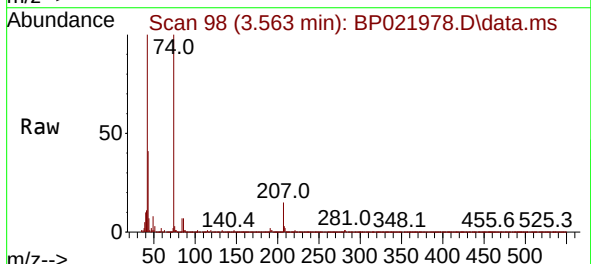
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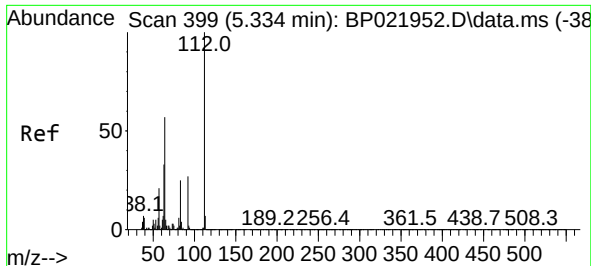
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#4
n-Nitrosodimethylamine
Concen: 4.172 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 42 Resp: 10715
Ion Ratio Lower Upper
42 100
74 100.0 86.3 129.5
44 6.6 4.0 6.0





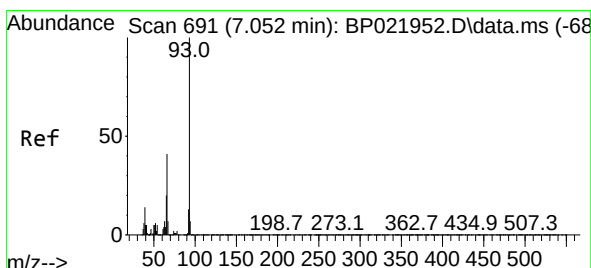
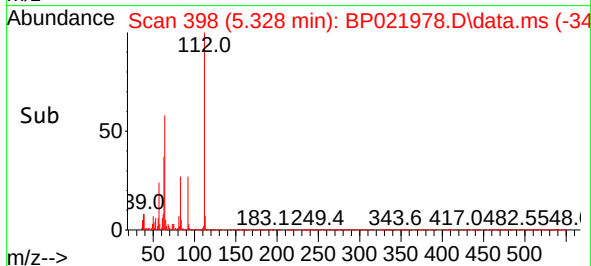
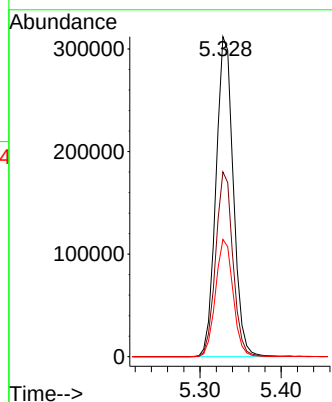
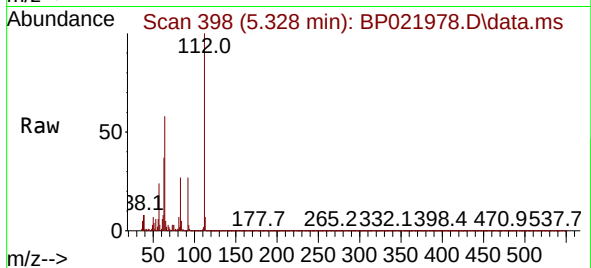
#5
2-Fluorophenol
Concen: 105.460 ng
RT: 5.328 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:112 Resp: 46362
Ion Ratio Lower Upper
112 100
64 57.8 45.4 68.0
63 36.6 26.6 39.8

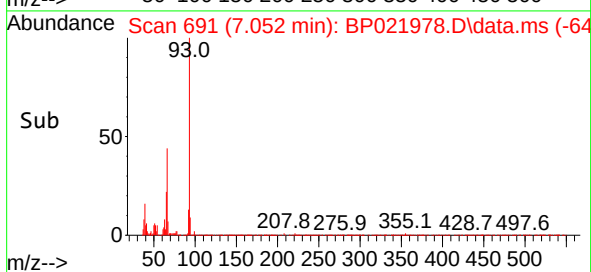
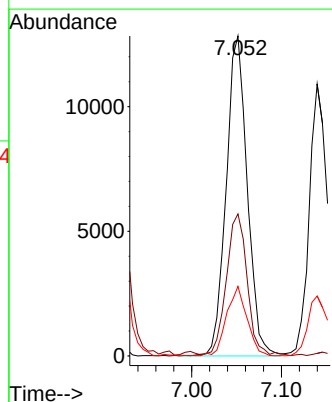
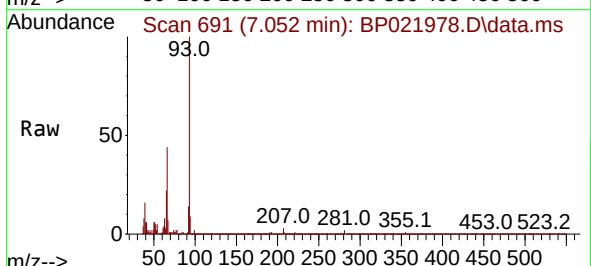
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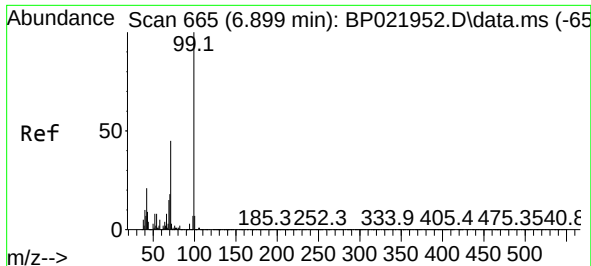
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#6
Aniline
Concen: 4.177 ng
RT: 7.052 min Scan# 691
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

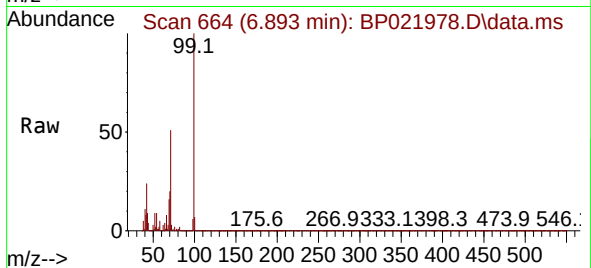
Tgt Ion: 93 Resp: 20947
Ion Ratio Lower Upper
93 100
66 44.4 33.0 49.4
65 21.7 16.1 24.1





#7
Phenol-d6
Concen: 105.078 ng
RT: 6.893 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

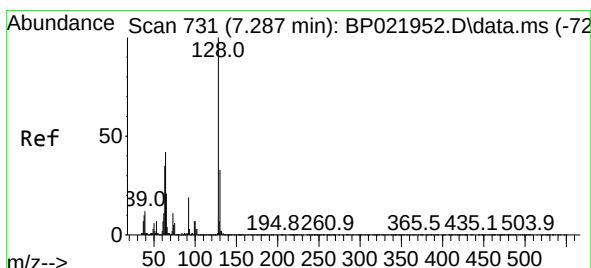
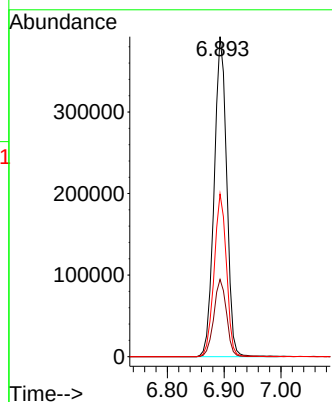
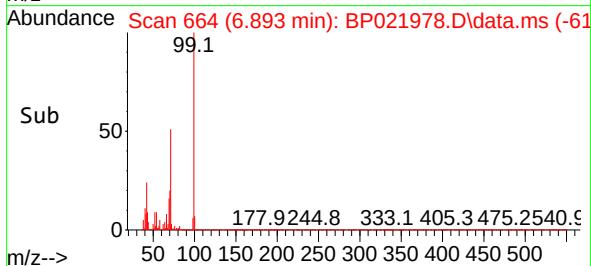
Instrument :
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MDL-SOIL-03-QT2-2024



Tgt Ion: 99 Resp: 59968
Ion Ratio Lower Upper
99 100
42 24.2 16.8 25.2
71 50.8 35.8 53.6

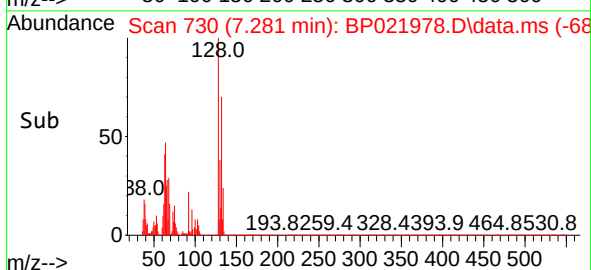
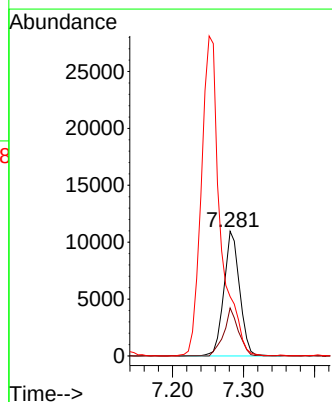
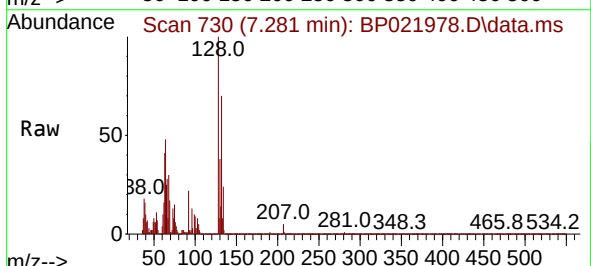
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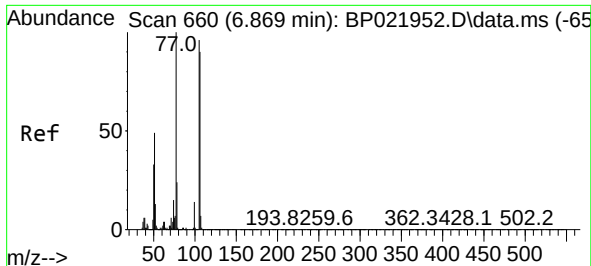
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#8
2-Chlorophenol
Concen: 3.579 ng
RT: 7.281 min Scan# 730
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:128 Resp: 16826
Ion Ratio Lower Upper
128 100
130 38.5 13.1 53.1
64 47.7 22.1 62.1





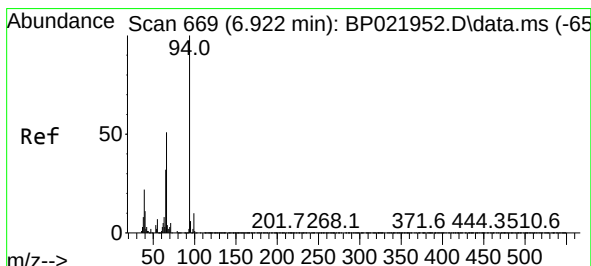
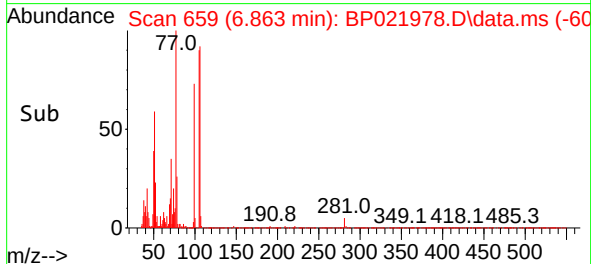
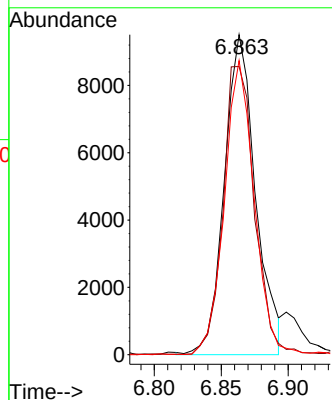
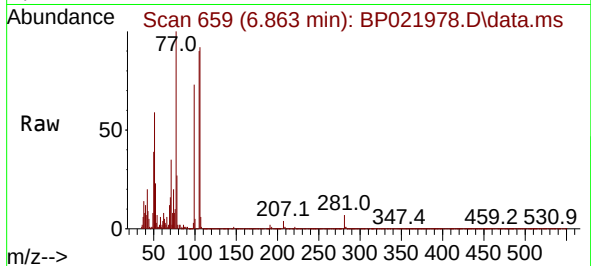
#9
Benzaldehyde
Concen: 5.182 ng m
RT: 6.863 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
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ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 1546
Ion Ratio Lower Upper
77 100
105 90.1 76.1 116.1
106 91.9 69.9 109.9

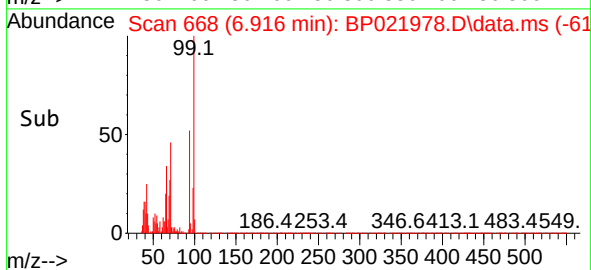
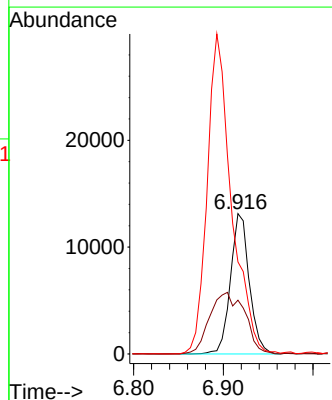
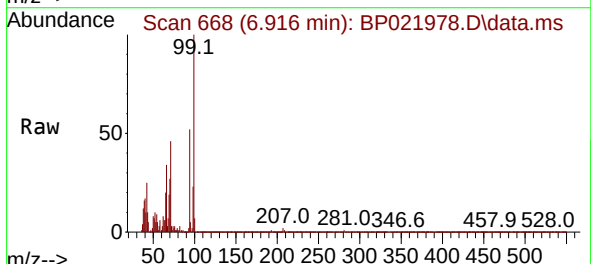
Manual Integrations
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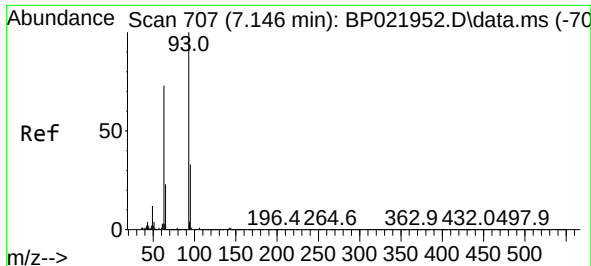
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#10
Phenol
Concen: 3.372 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 94 Resp: 19116
Ion Ratio Lower Upper
94 100
65 38.3 12.5 52.5
66 65.6 31.2 71.2





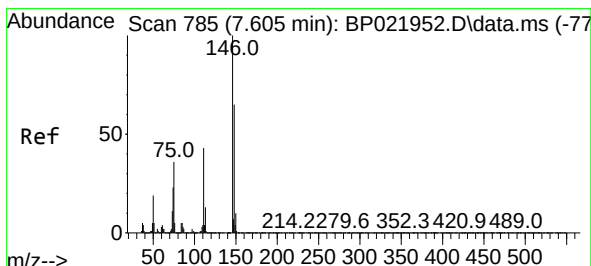
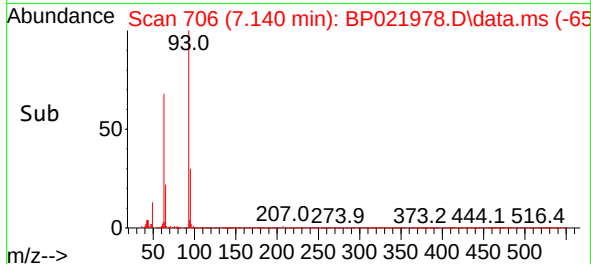
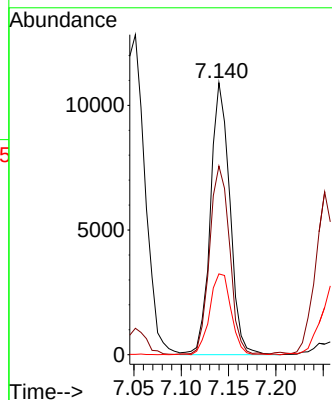
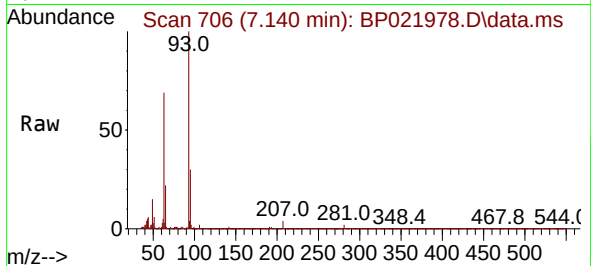
#11
bis(2-Chloroethyl)ether
Concen: 3.621 ng
RT: 7.140 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 93 Resp: 1546
Ion Ratio Lower Upper
93 100
63 69.3 53.0 93.0
95 29.7 12.4 52.4

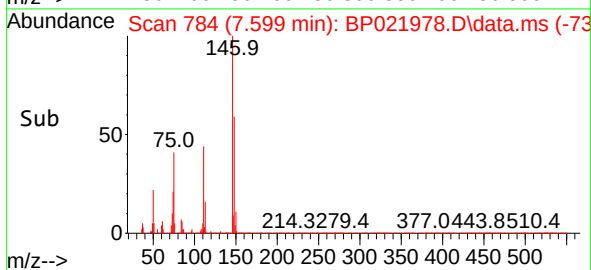
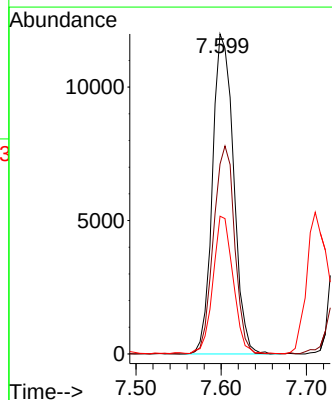
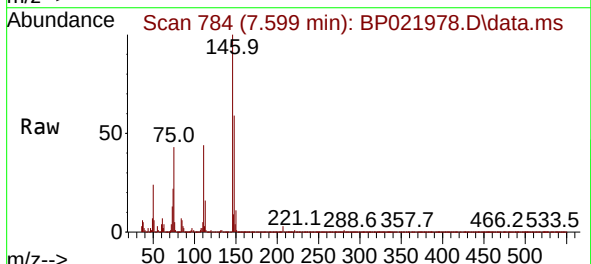
Manual Integrations
APPROVED

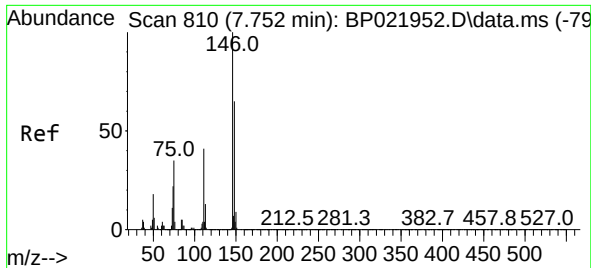
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#12
1,3-Dichlorobenzene
Concen: 3.472 ng
RT: 7.599 min Scan# 784
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:146 Resp: 20607
Ion Ratio Lower Upper
146 100
148 59.3 52.3 78.5
75 43.1 29.0 43.6





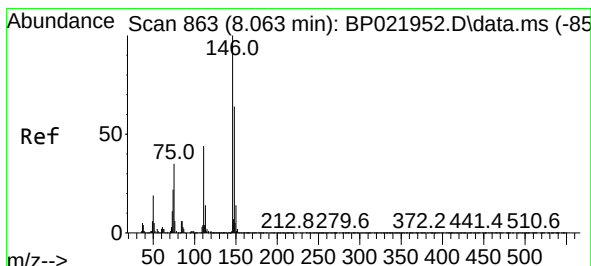
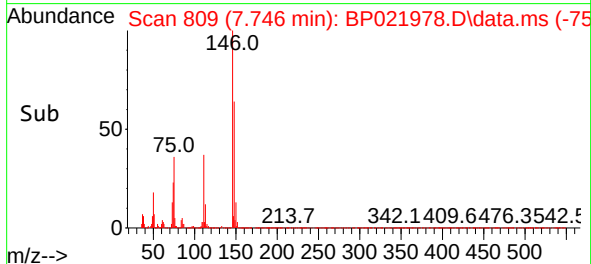
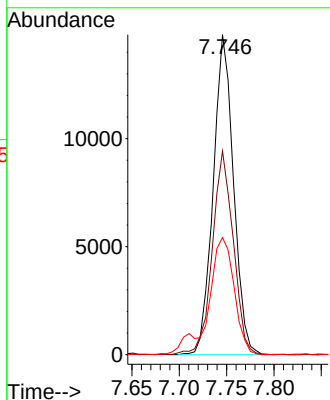
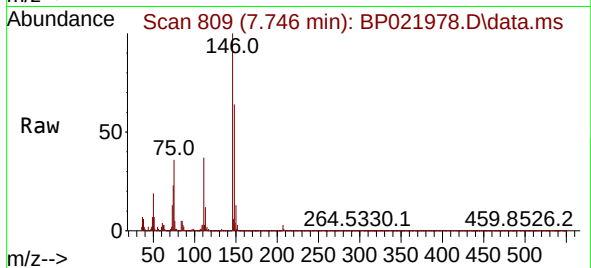
#13
1,4-Dichlorobenzene
Concen: 3.670 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:146 Resp: 22088
Ion Ratio Lower Upper
146 100
148 63.6 52.2 78.4
111 36.6 32.6 48.8

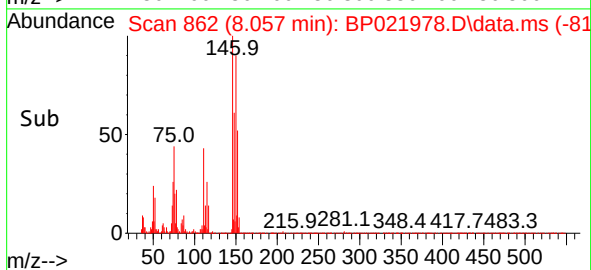
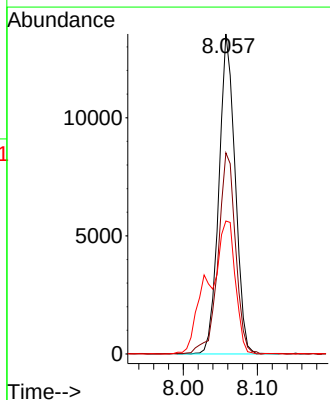
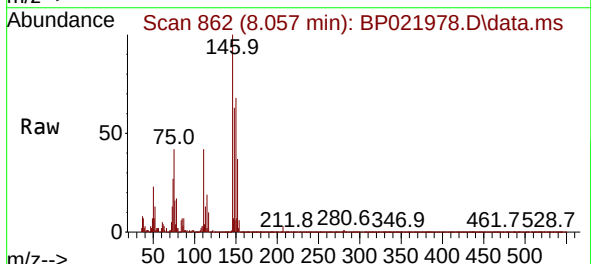
Manual Integrations
APPROVED

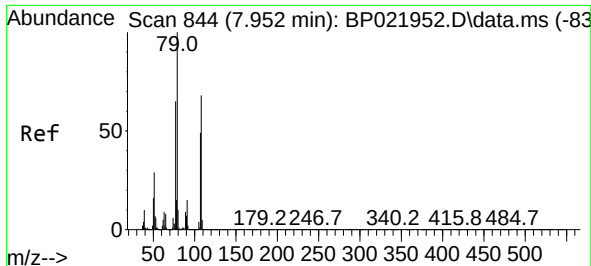
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#14
1,2-Dichlorobenzene
Concen: 3.570 ng
RT: 8.057 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:146 Resp: 20621
Ion Ratio Lower Upper
146 100
148 62.8 51.3 76.9
111 41.5 35.6 53.4





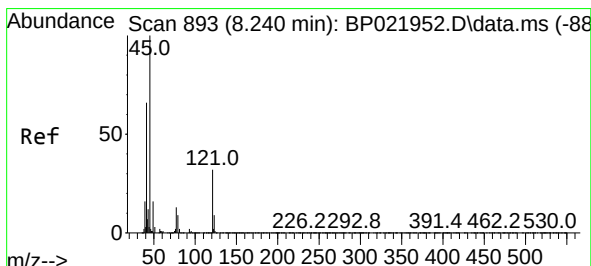
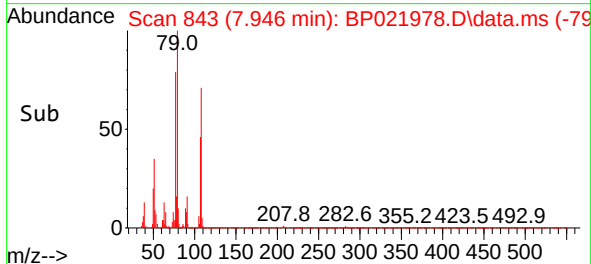
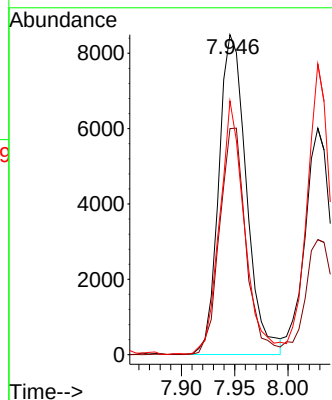
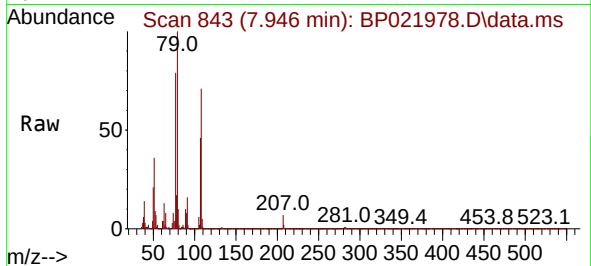
#15
Benzyl Alcohol
Concen: 3.499 ng
RT: 7.946 min Scan# 844
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 79 Resp: 15314
Ion Ratio Lower Upper
79 100
108 70.7 54.7 82.1
77 79.3 51.8 77.8

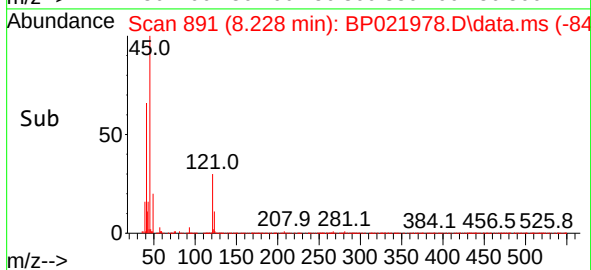
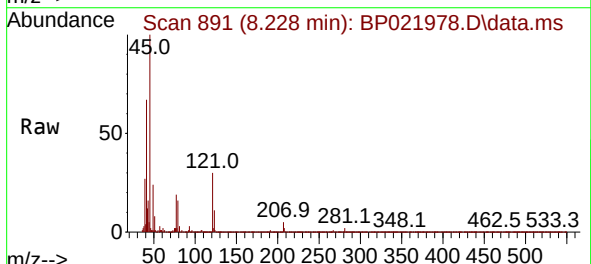
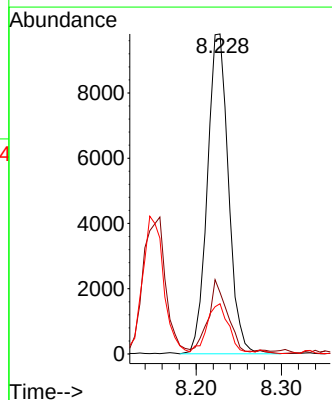
Manual Integrations
APPROVED

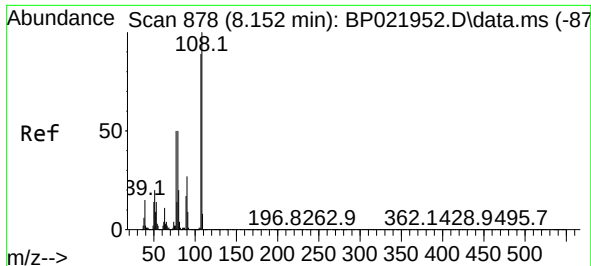
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.711 ng
RT: 8.228 min Scan# 891
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 45 Resp: 16902
Ion Ratio Lower Upper
45 100
77 19.2 0.0 39.5
79 15.7 0.0 34.9





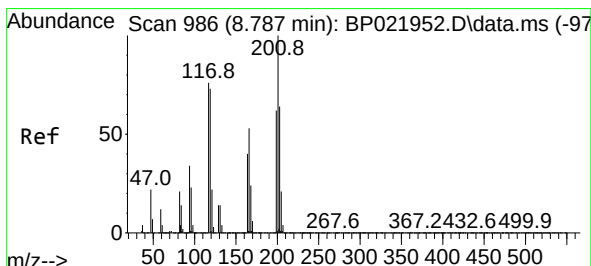
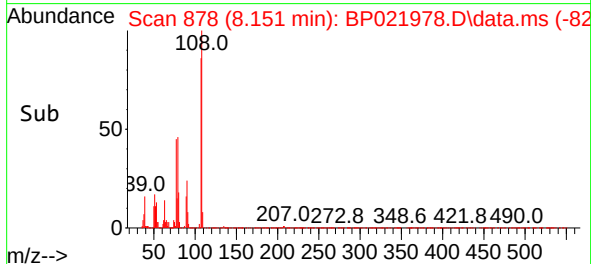
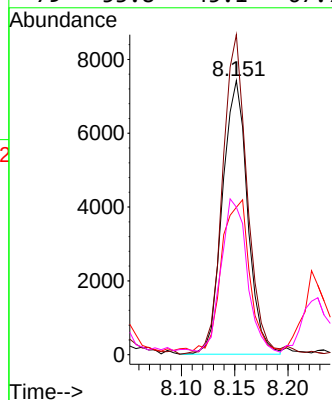
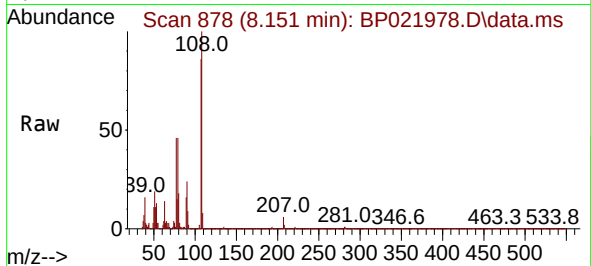
#17
2-Methylphenol
Concen: 3.169 ng
RT: 8.151 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:	107	Resp:	12134
Ion Ratio	Lower	Upper	
107	100		
108	116.8	90.3	135.5
77	53.8	45.1	67.7
79	53.8	45.1	67.7

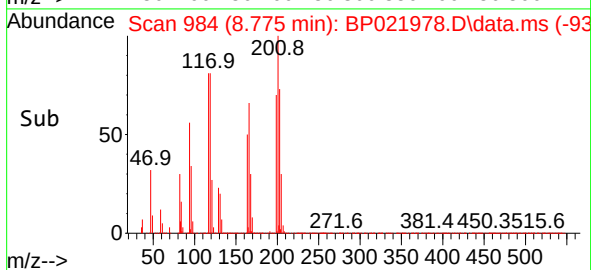
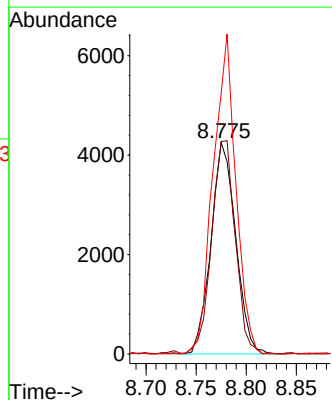
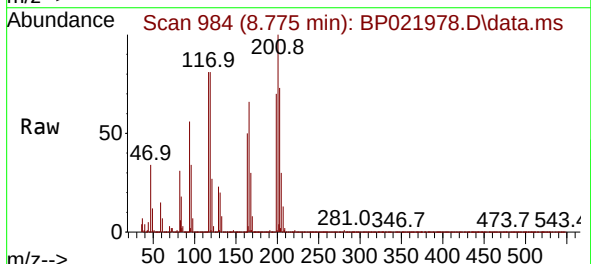
Manual Integrations
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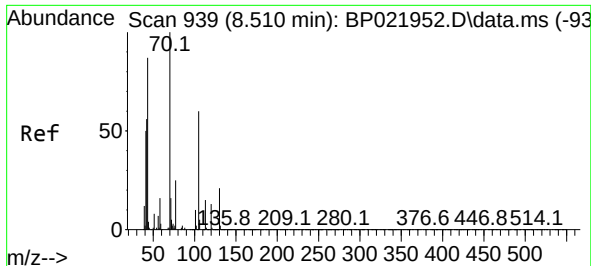
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#18
Hexachloroethane
Concen: 3.297 ng
RT: 8.775 min Scan# 984
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

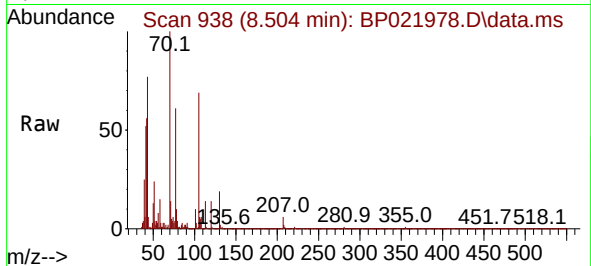
Tgt Ion:	117	Resp:	7296
Ion Ratio	Lower	Upper	
117	100		
119	100.4	77.0	115.4
201	123.3	105.6	158.4





#19
n-Nitroso-di-n-propylamine
Concen: 3.746 ng
RT: 8.504 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

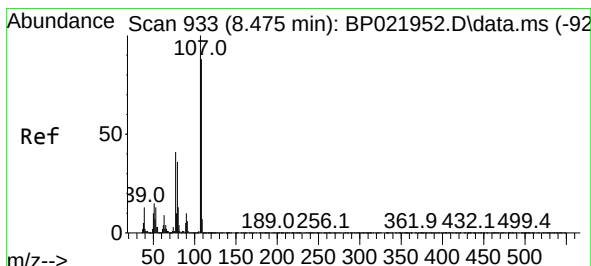
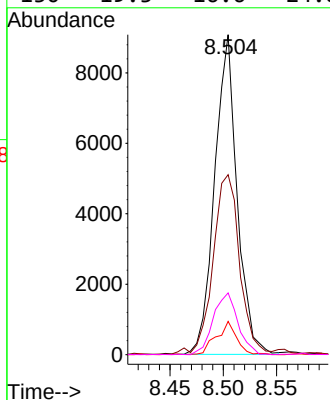
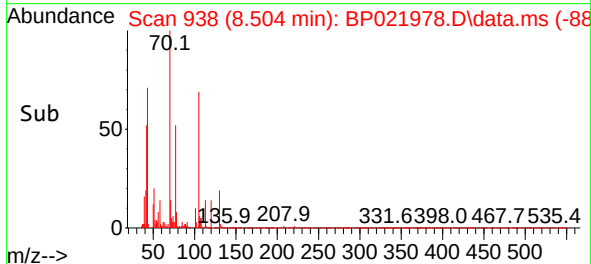
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



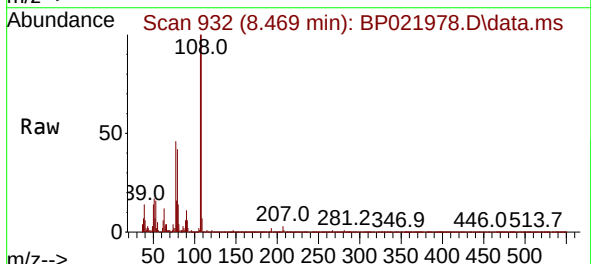
Tgt Ion: 70 Resp: 13289
Ion Ratio Lower Upper
70 100
42 56.3 45.2 67.8
101 10.4 7.8 11.6
130 19.3 16.6 24.8

Manual Integrations
APPROVED

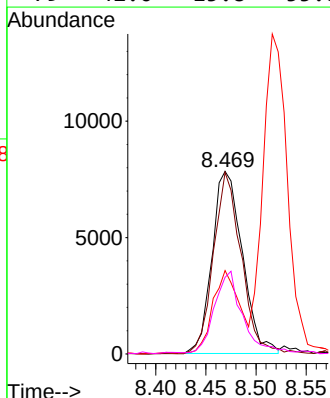
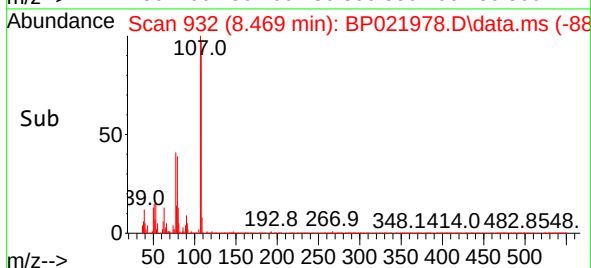
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

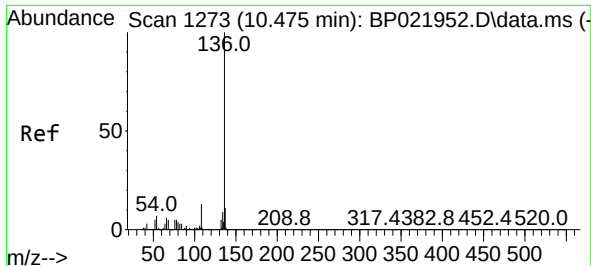


#20
3+4-Methylphenols
Concen: 3.032 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



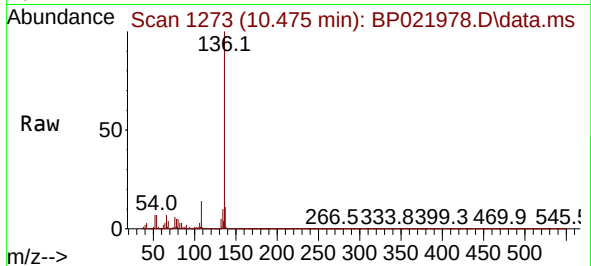
Tgt Ion:107 Resp: 16392
Ion Ratio Lower Upper
107 100
108 99.5 68.3 108.3
77 45.6 20.6 60.6
79 42.0 15.8 55.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

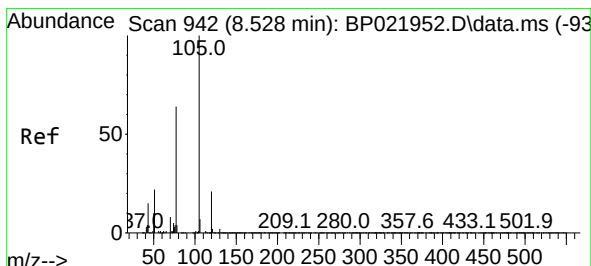
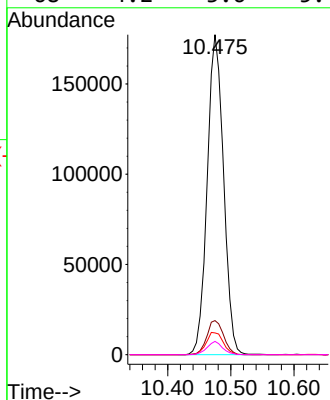
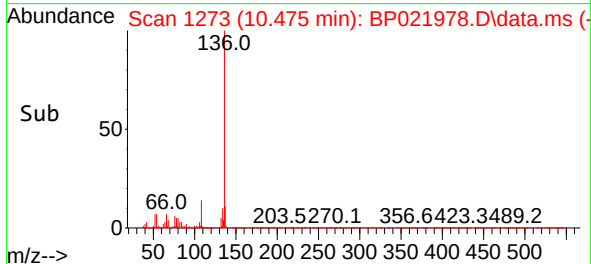
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



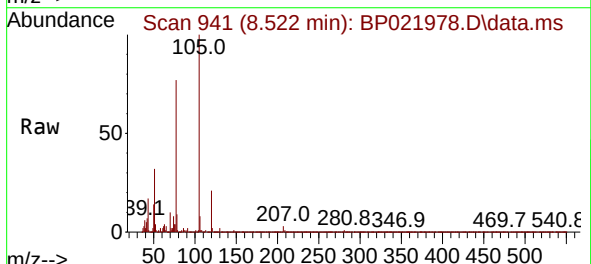
Tgt Ion:	136	Resp:	31888
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	6.8	5.5	8.3
68	4.2	3.6	5.4

Manual Integrations
APPROVED

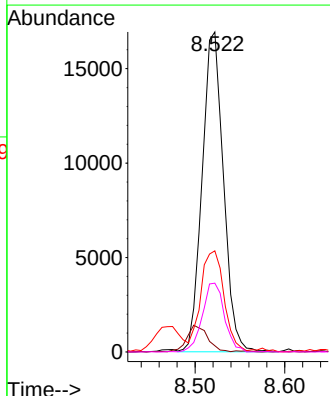
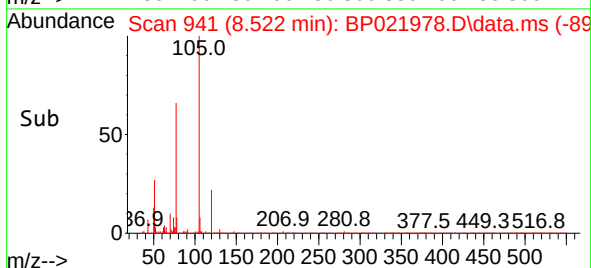
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

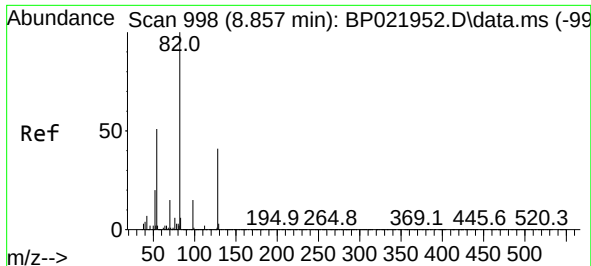


#22
Acetophenone
Concen: 3.595 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



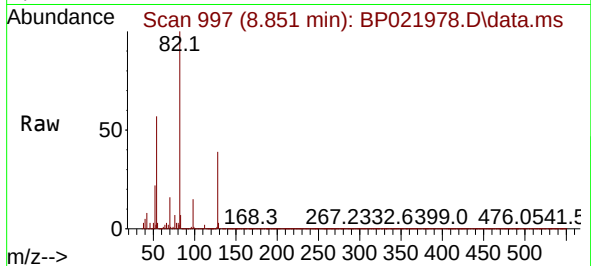
Tgt Ion:	105	Resp:	27965
Ion Ratio	Lower	Upper	
105	100		
71	1.9	1.4	2.0
51	31.6	22.1	33.1
120	21.5	16.8	25.2





#23
Nitrobenzene-d5
Concen: 76.302 ng
RT: 8.851 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

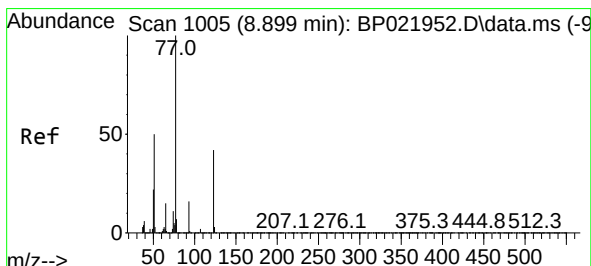
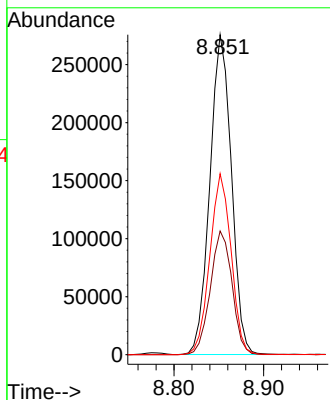
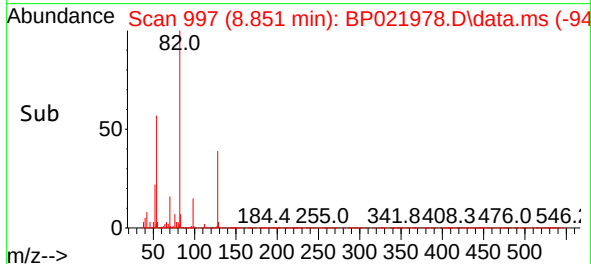
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 82 Resp: 459840
Ion Ratio Lower Upper
82 100
128 38.6 33.1 49.7
54 56.6 40.3 60.5

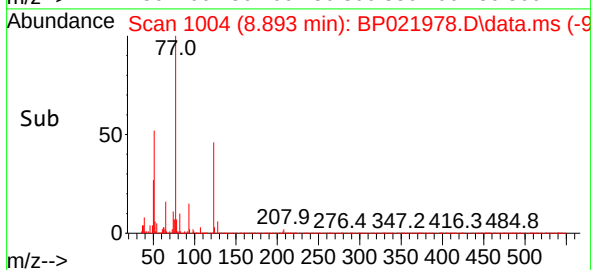
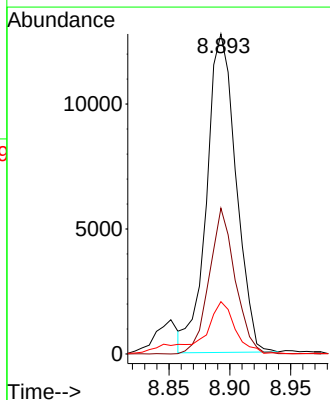
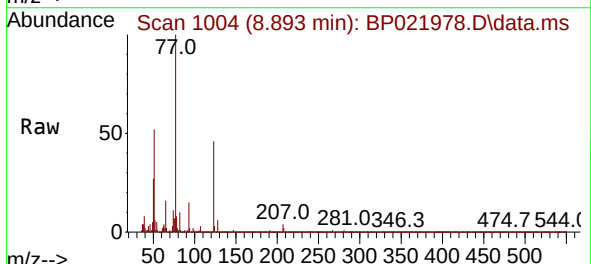
Manual Integrations
APPROVED

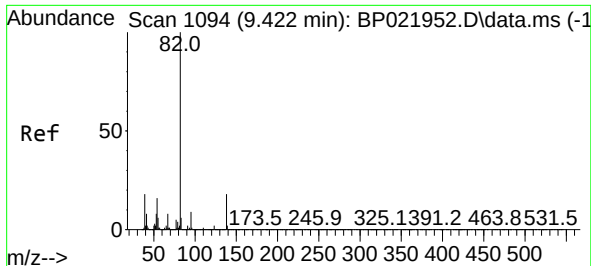
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#24
Nitrobenzene
Concen: 3.491 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 77 Resp: 21365
Ion Ratio Lower Upper
77 100
123 45.6 33.9 50.9
65 16.4 12.0 18.0





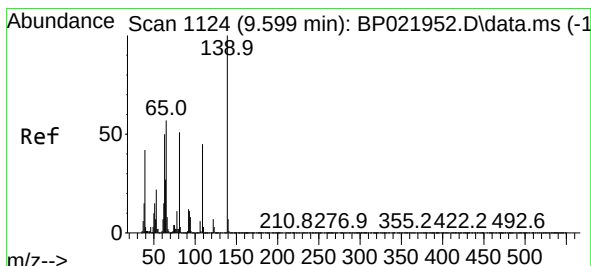
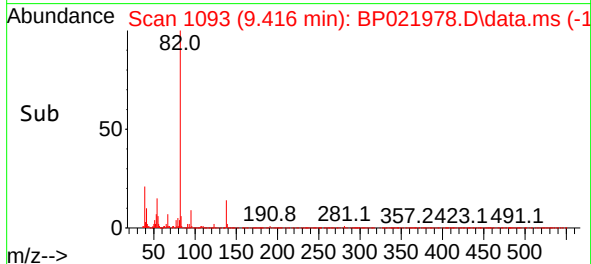
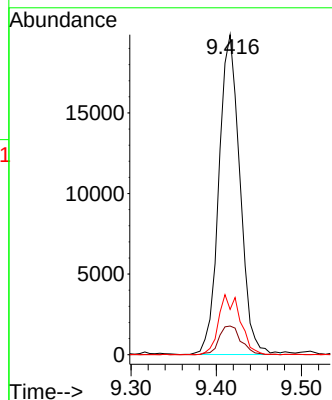
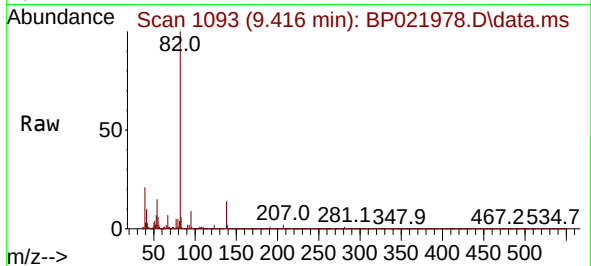
#25
Isophorone
Concen: 3.426 ng
RT: 9.416 min Scan# 1093
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion: 82 Resp: 3404
Ion Ratio Lower Upper
82 100
95 9.0 7.0 10.6
138 14.1 14.6 21.8

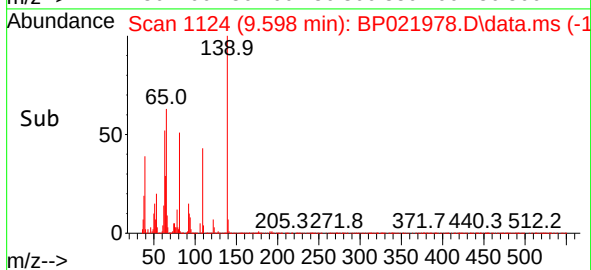
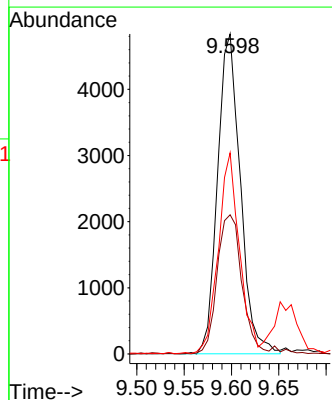
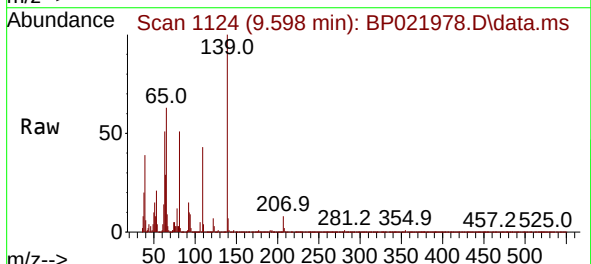
Manual Integrations
APPROVED

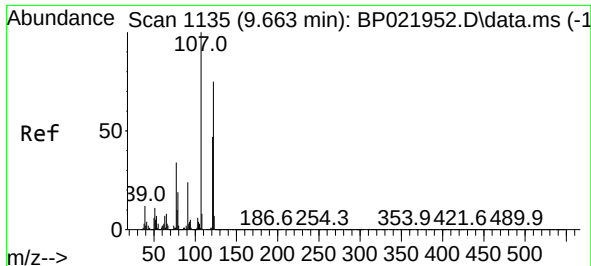
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#26
2-Nitrophenol
Concen: 3.021 ng
RT: 9.598 min Scan# 1124
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

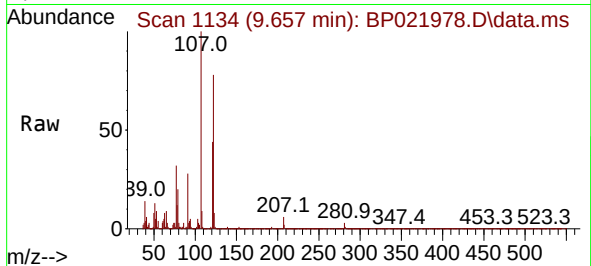
Tgt Ion:139 Resp: 8083
Ion Ratio Lower Upper
139 100
109 43.5 36.0 54.0
65 62.9 45.7 68.5





#27
2,4-Dimethylphenol
Concen: 2.607 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

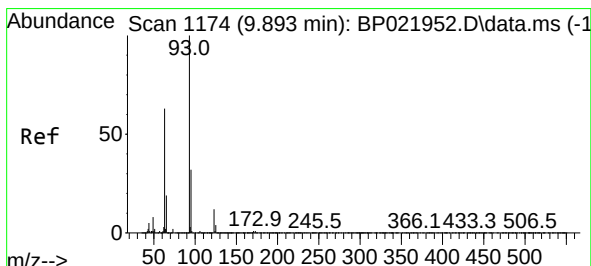
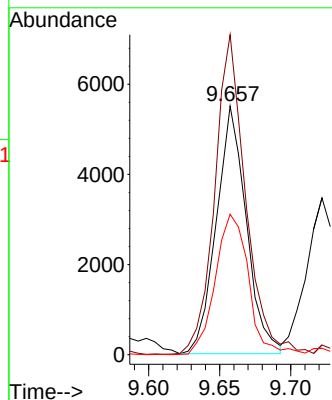
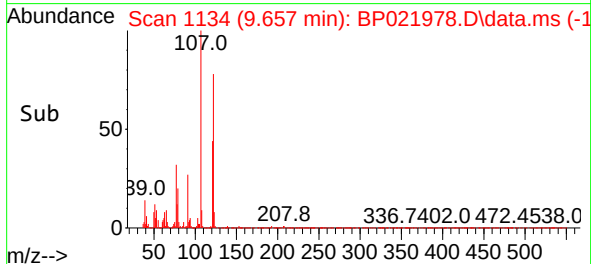
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 122 Resp: 8078
Ion Ratio Lower Upper
122 100
107 128.7 106.1 159.1
121 56.5 49.6 74.4

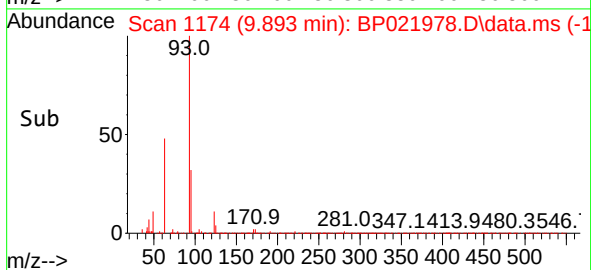
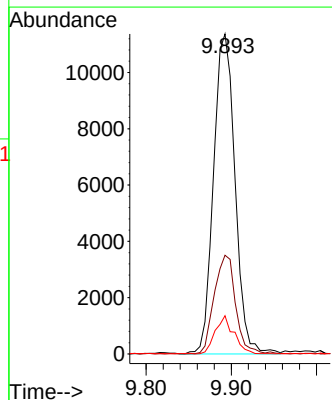
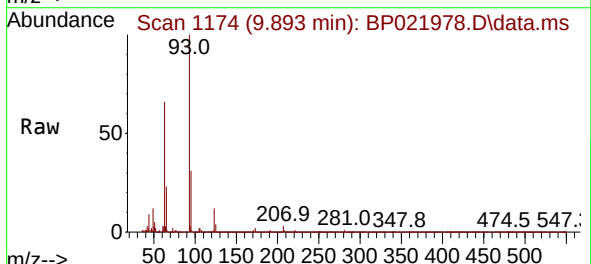
Manual Integrations
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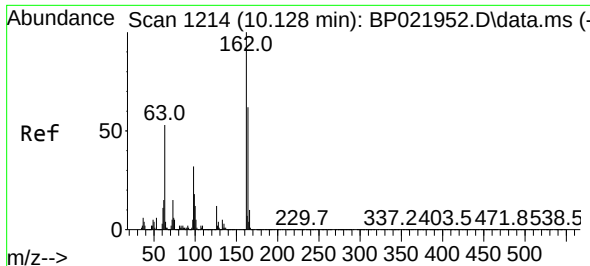
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#28
bis(2-Chloroethoxy)methane
Concen: 3.343 ng
RT: 9.893 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion: 93 Resp: 19916
Ion Ratio Lower Upper
93 100
95 30.8 25.7 38.5
123 11.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 3.083 ng

RT: 10.134 min Scan# 1214

Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

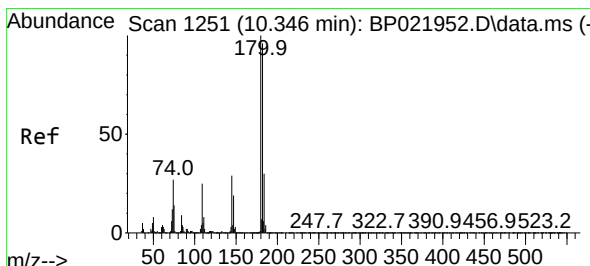
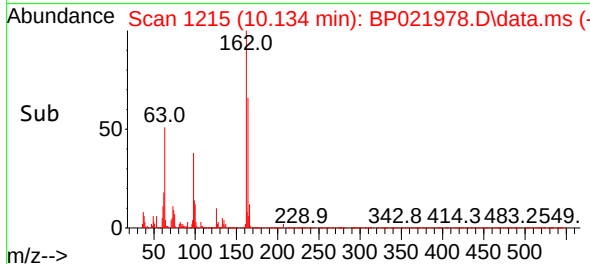
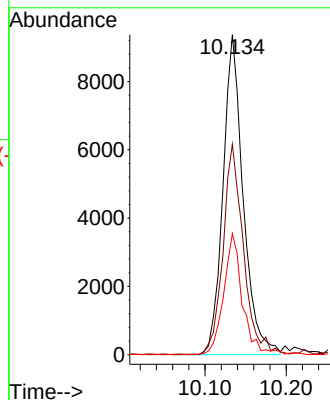
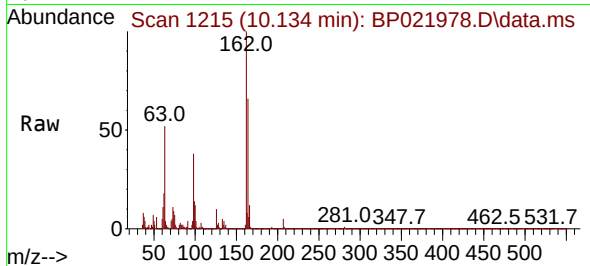
Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.8	41.7	81.7
98	37.8	12.4	52.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#30

1,2,4-Trichlorobenzene

Concen: 3.423 ng

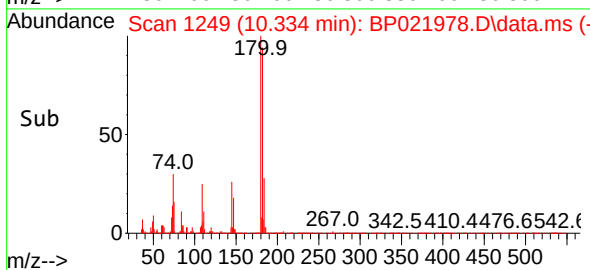
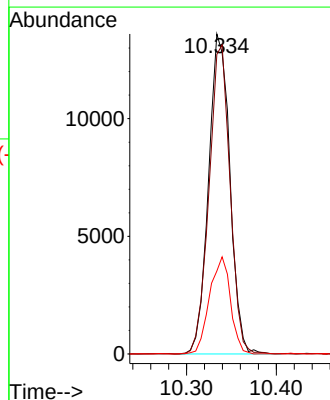
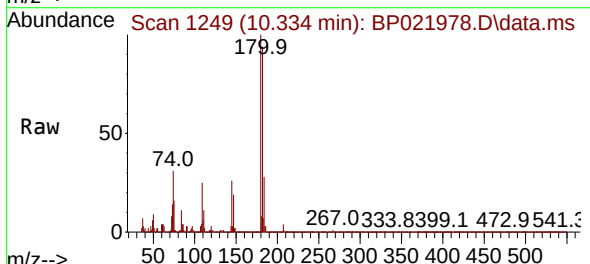
RT: 10.334 min Scan# 1249

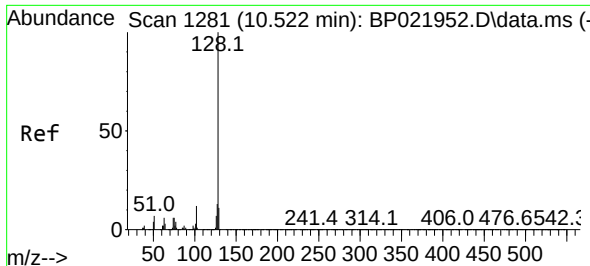
Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.0	115.4
145	25.9	23.0	34.6





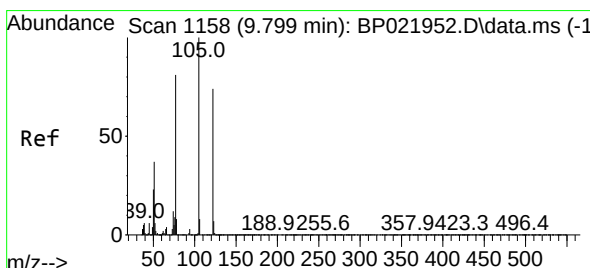
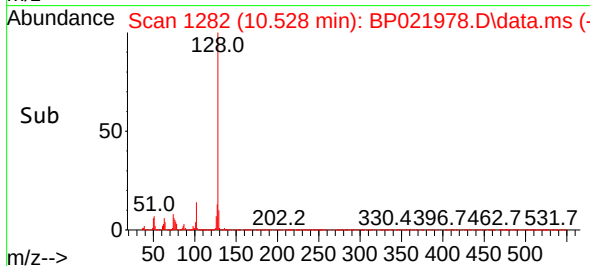
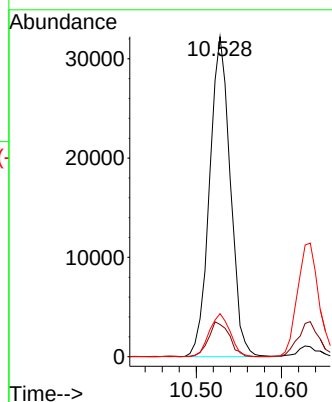
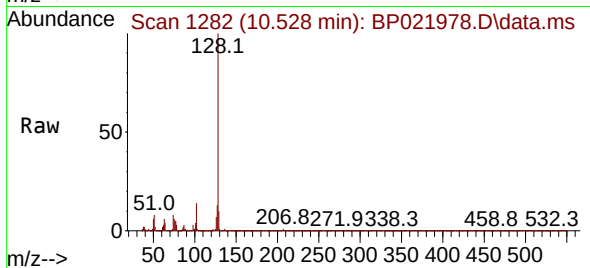
#31
Naphthalene
Concen: 3.425 ng
RT: 10.528 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:128 Resp: 5450
Ion Ratio Lower Upper
128 100
129 10.0 8.6 13.0
127 13.4 10.6 15.8

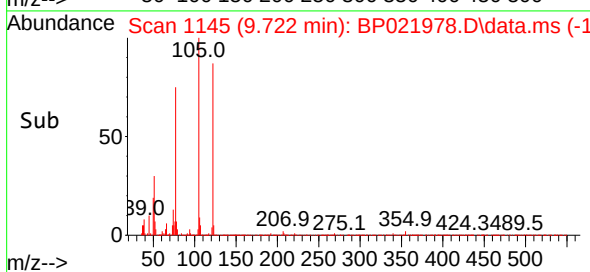
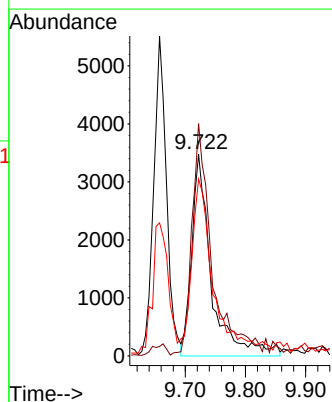
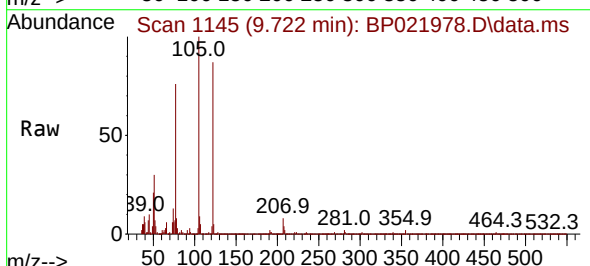
Manual Integrations
APPROVED

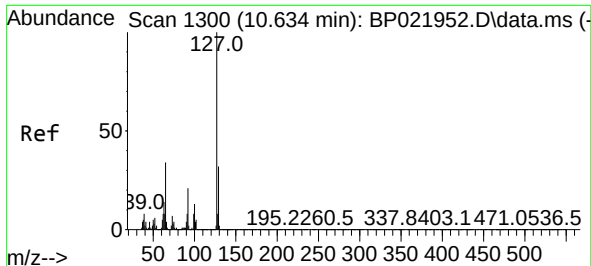
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#32
Benzoic acid
Concen: 2.182 ng m
RT: 9.722 min Scan# 1145
Delta R.T. -0.077 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:122 Resp: 7904
Ion Ratio Lower Upper
122 100
105 115.2 111.3 151.3
77 87.7 86.7 126.7





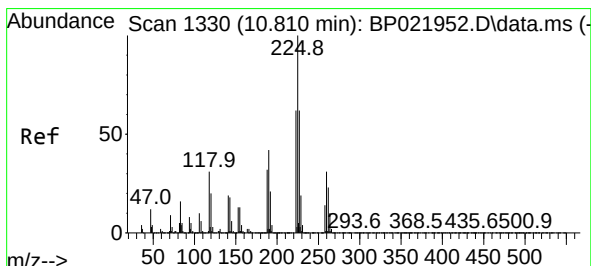
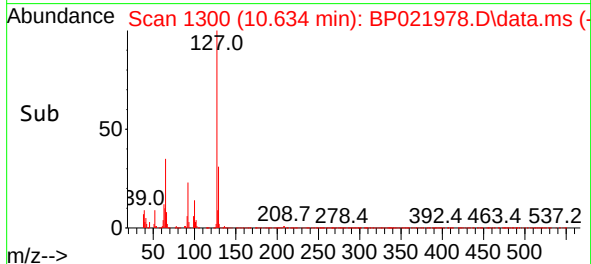
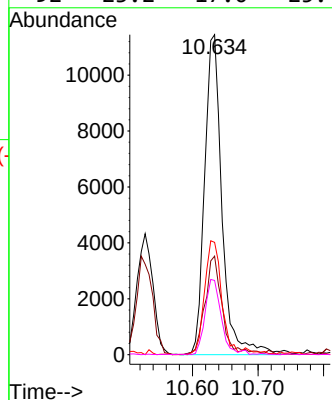
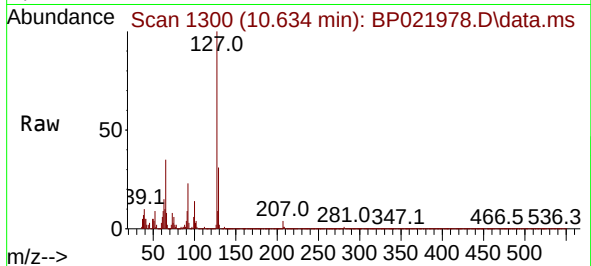
#33
4-Chloroaniline
Concen: 3.678 ng
RT: 10.634 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.4	38.0
65	35.1	27.4	41.2
92	23.2	17.0	25.4

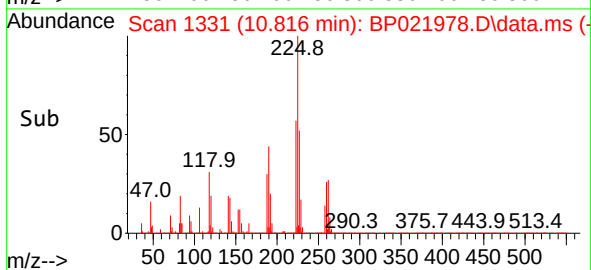
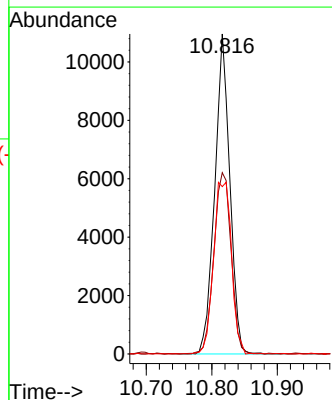
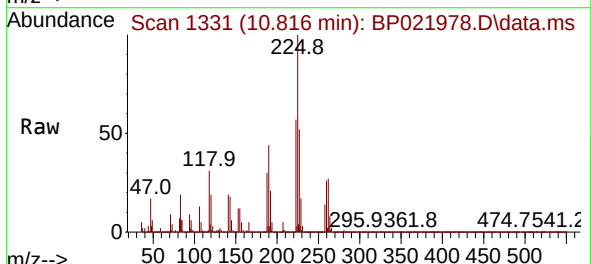
Manual Integrations
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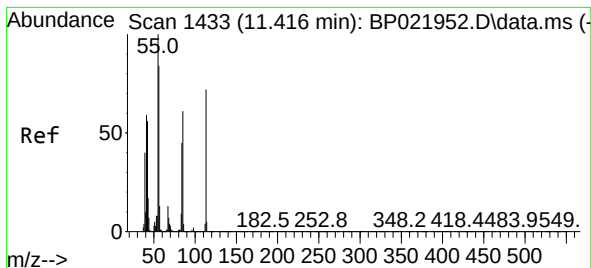
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#34
Hexachlorobutadiene
Concen: 3.405 ng
RT: 10.816 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

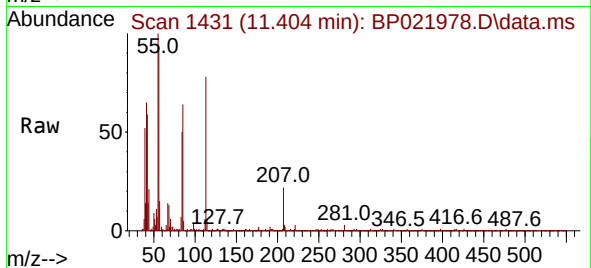
Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.7	50.0	75.0
227	52.3	49.7	74.5





#35
Caprolactam
Concen: 2.846 ng
RT: 11.404 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

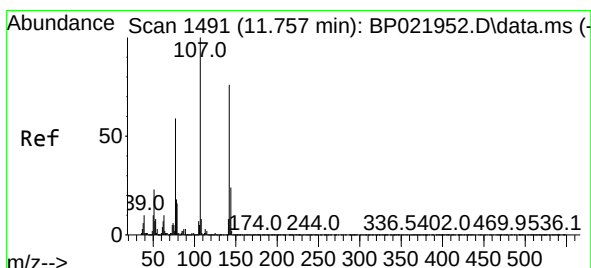
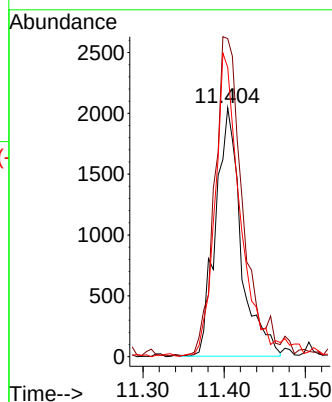
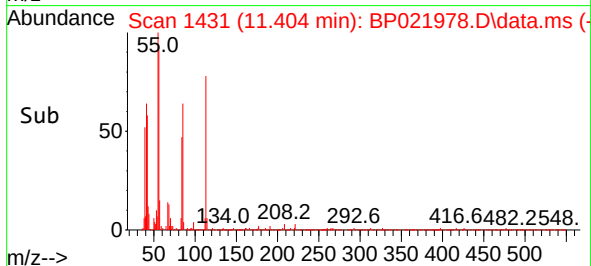
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024



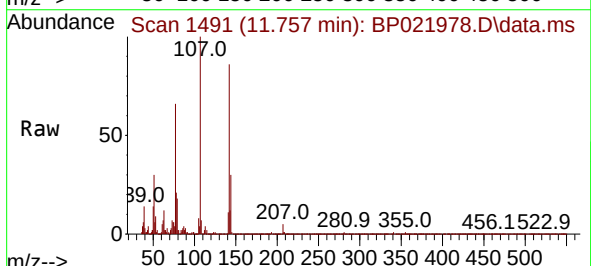
Tgt Ion:113 Resp: 4458
Ion Ratio Lower Upper
113 100
55 127.8 119.4 159.4
56 116.2 97.1 137.1

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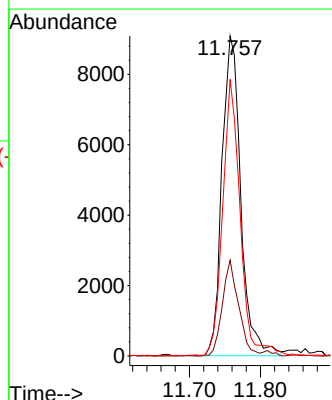
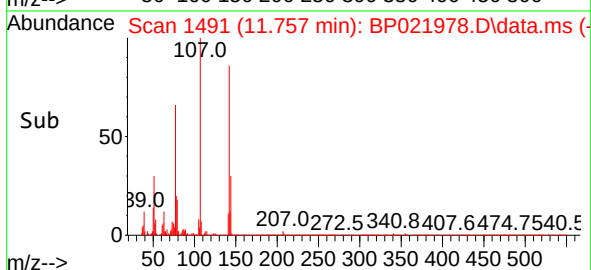
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

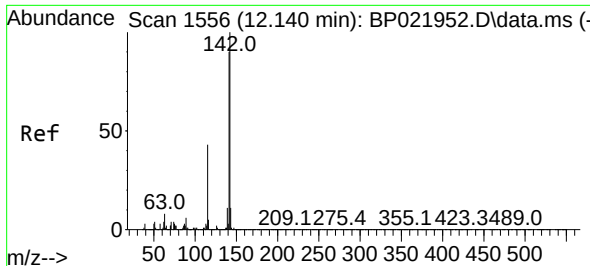


#36
4-Chloro-3-methylphenol
Concen: 2.964 ng
RT: 11.757 min Scan# 1491
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



Tgt Ion:107 Resp: 16727
Ion Ratio Lower Upper
107 100
144 29.9 19.0 28.4#
142 86.5 60.4 90.6





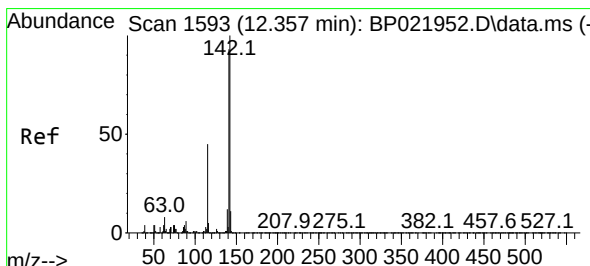
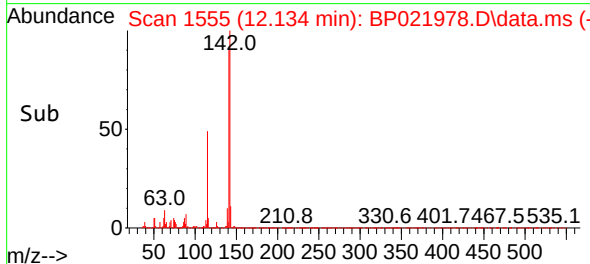
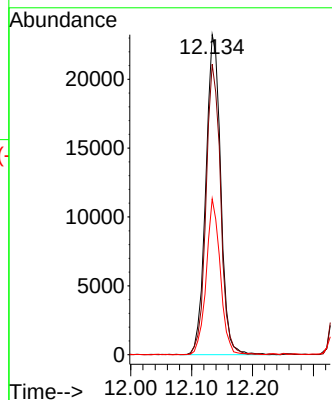
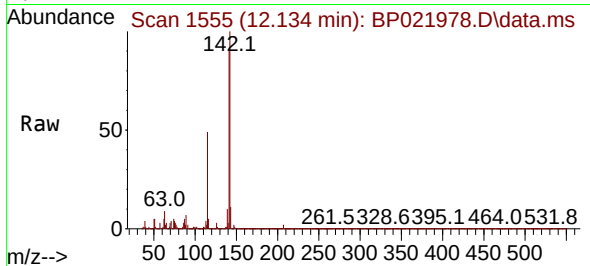
#37
2-Methylnaphthalene
Concen: 3.391 ng
RT: 12.134 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:142 Resp: 3948
Ion Ratio Lower Upper
142 100
141 90.7 71.7 107.5
115 48.7 34.6 51.8

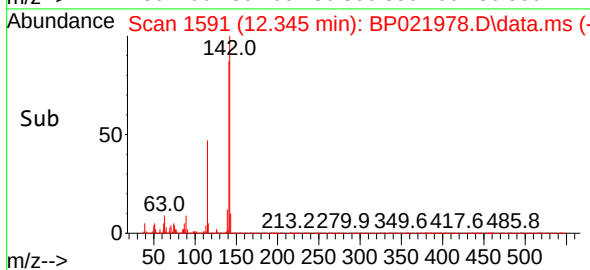
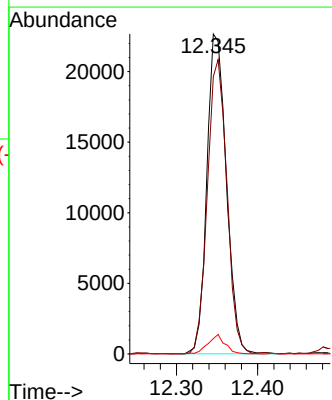
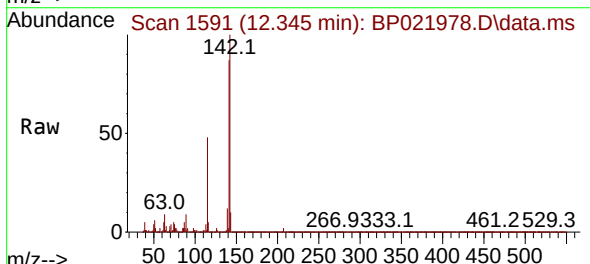
Manual Integrations
APPROVED

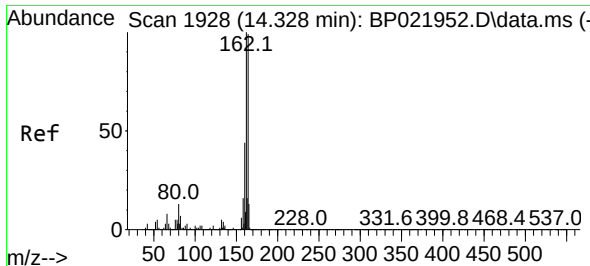
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#38
1-Methylnaphthalene
Concen: 3.273 ng
RT: 12.345 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

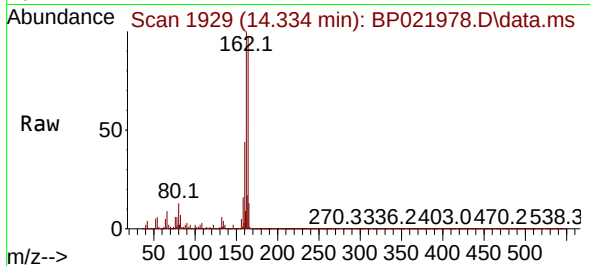
Tgt Ion:142 Resp: 37615
Ion Ratio Lower Upper
142 100
141 86.7 74.1 111.1
116 4.8 3.8 5.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

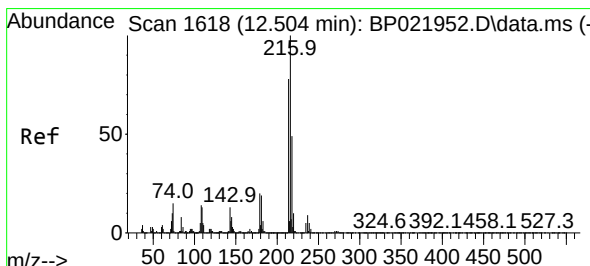
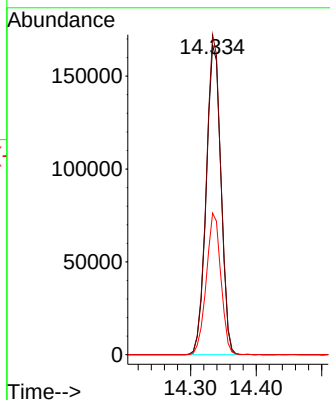
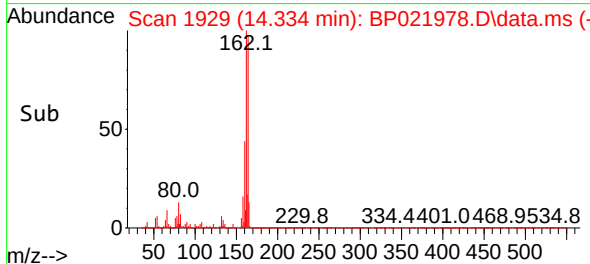
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



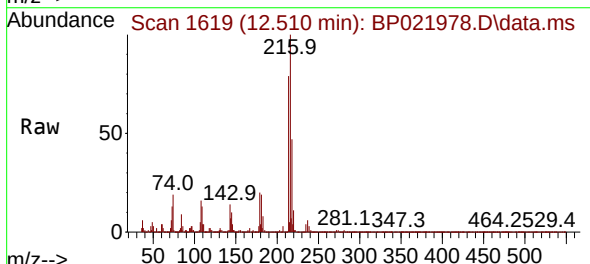
Tgt Ion:164 Resp: 259790
Ion Ratio Lower Upper
164 100
162 103.4 81.2 121.8
160 45.8 35.9 53.9

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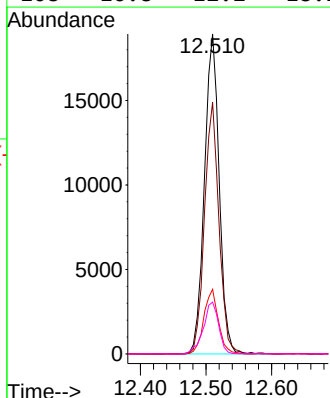
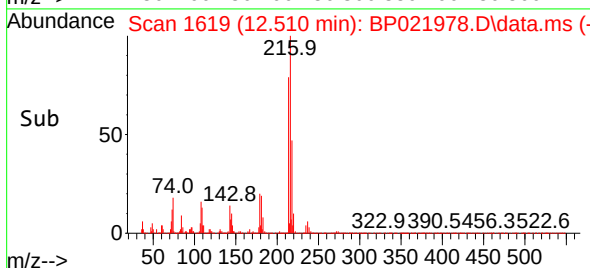
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

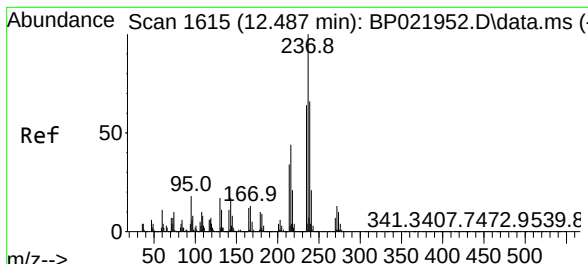


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.267 ng
RT: 12.510 min Scan# 1619
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



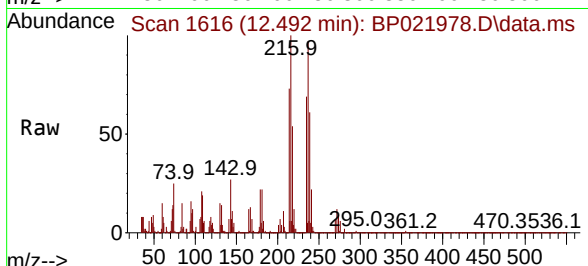
Tgt Ion:216 Resp: 29690
Ion Ratio Lower Upper
216 100
214 76.8 62.8 94.2
179 19.9 16.4 24.6
108 16.8 12.2 18.2





#41
Hexachlorocyclopentadiene
Concen: 2.380 ng
RT: 12.492 min Scan# 1616
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

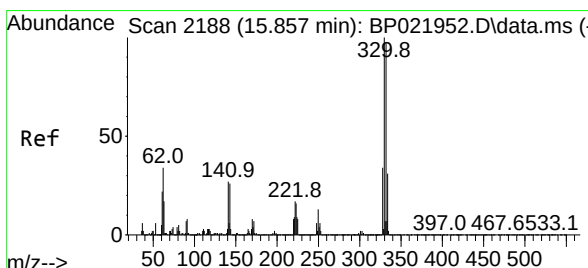
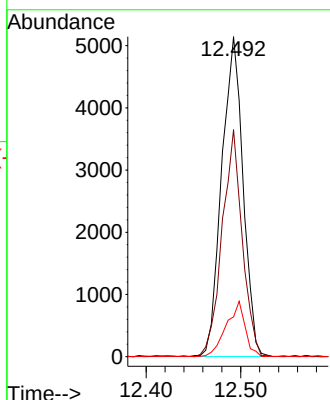
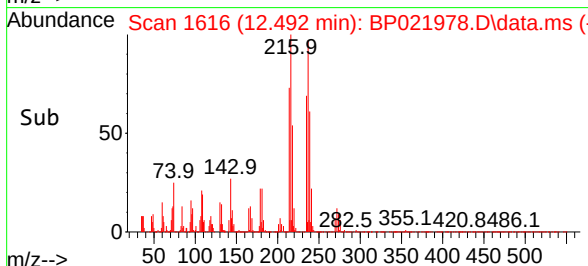
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



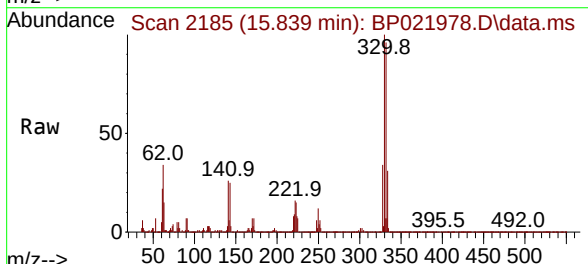
Tgt Ion: 237 Resp: 8038
Ion Ratio Lower Upper
237 100
235 70.9 44.1 84.1
272 12.4 0.0 33.1

Manual Integrations
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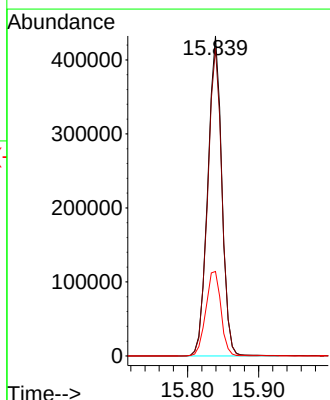
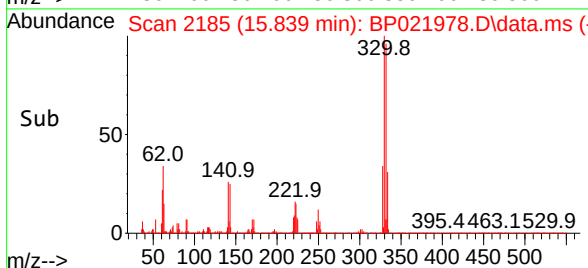
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

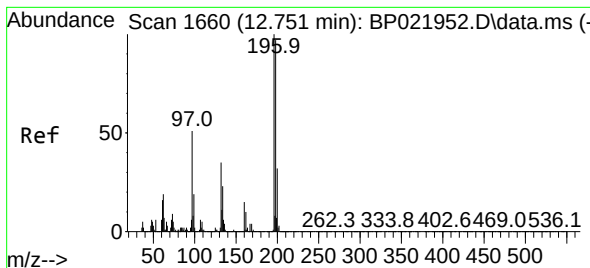


#42
2,4,6-Tribromophenol
Concen: 123.297 ng
RT: 15.839 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



Tgt Ion: 330 Resp: 593824
Ion Ratio Lower Upper
330 100
332 97.6 77.5 116.3
141 28.5 23.4 35.0





#43

2,4,6-Trichlorophenol

Concen: 2.864 ng

RT: 12.751 min Scan# 1660

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

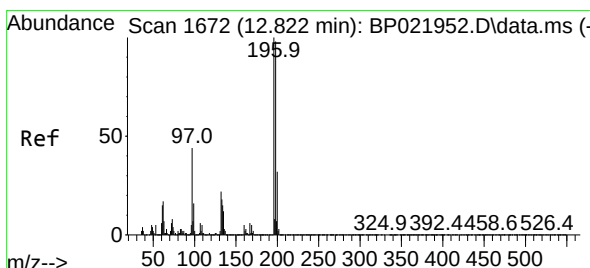
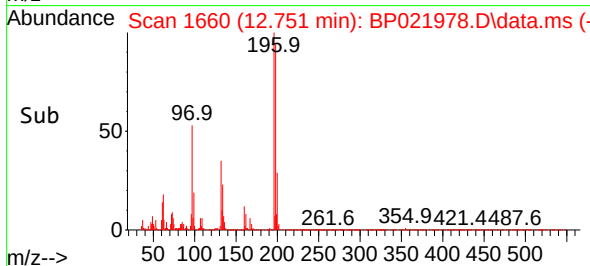
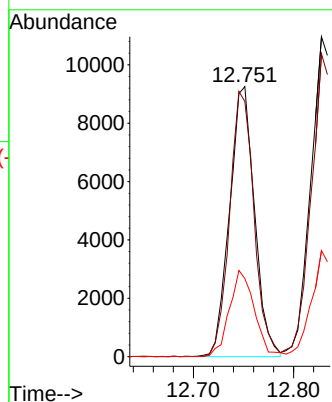
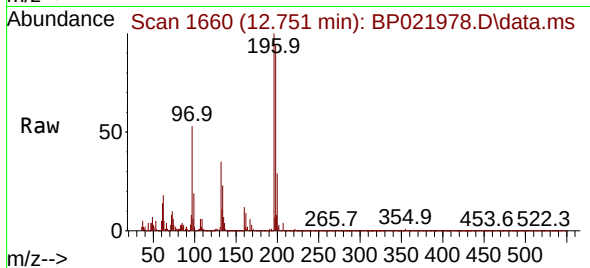
Tgt Ion:196	Resp:	1597
Ion Ratio	Lower	Upper
196	100	
198	94.5	77.6 116.4
200	28.9	25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#44

2,4,5-Trichlorophenol

Concen: 2.867 ng

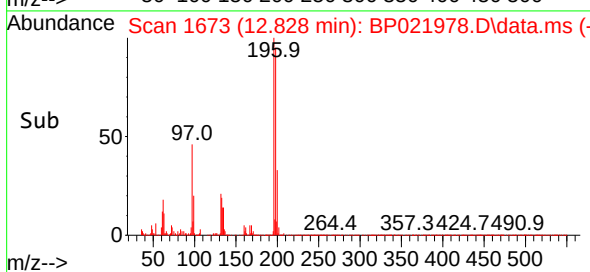
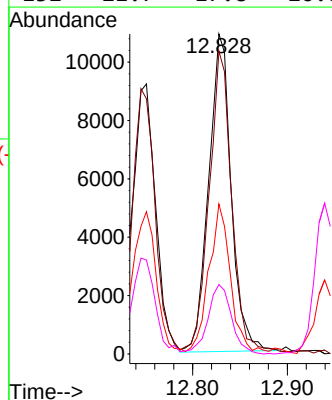
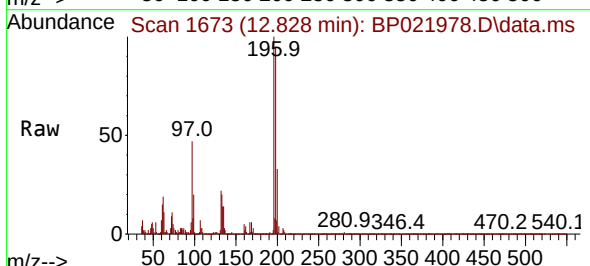
RT: 12.828 min Scan# 1673

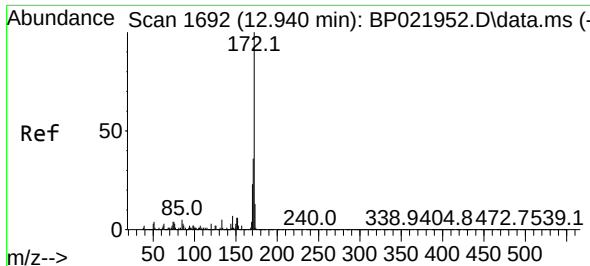
Delta R.T. 0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

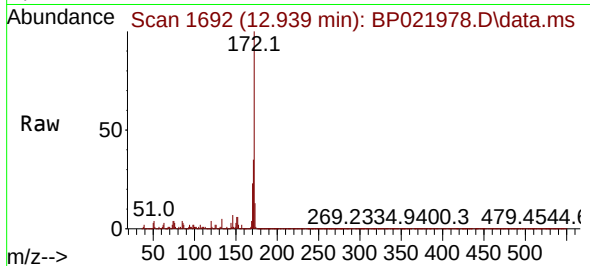
Tgt Ion:196	Resp:	17941
Ion Ratio	Lower	Upper
196	100	
198	94.6	78.2 117.4
97	46.9	35.0 52.4
132	21.7	17.8 26.8





#45
2-Fluorobiphenyl
Concen: 72.179 ng
RT: 12.939 min Scan# 1692
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

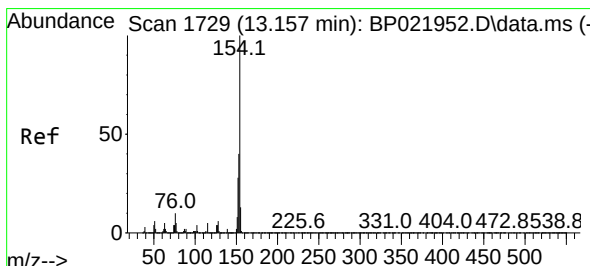
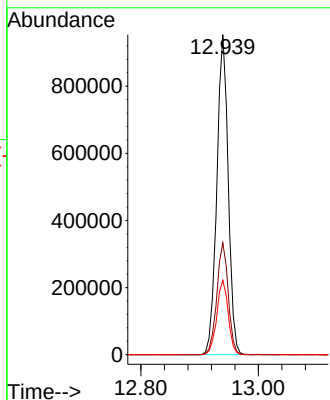
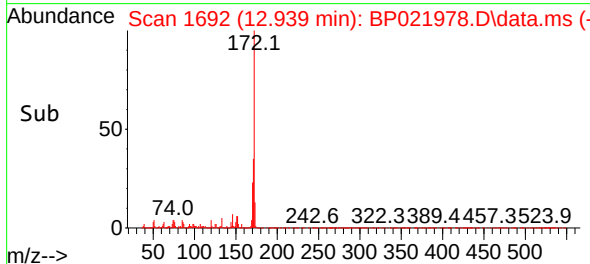
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



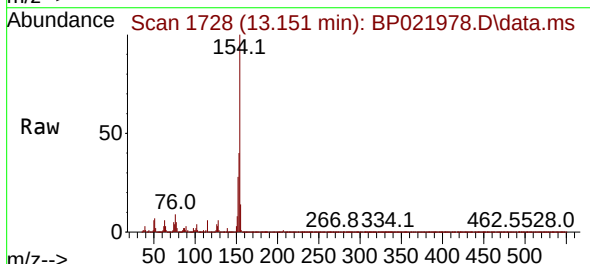
Tgt Ion:172 Resp: 128454
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.3 18.8 28.2

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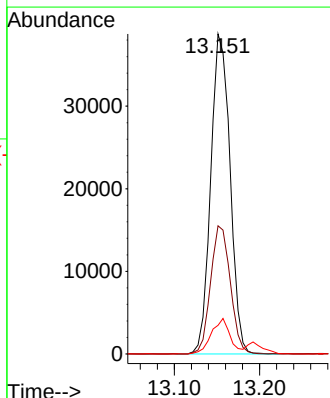
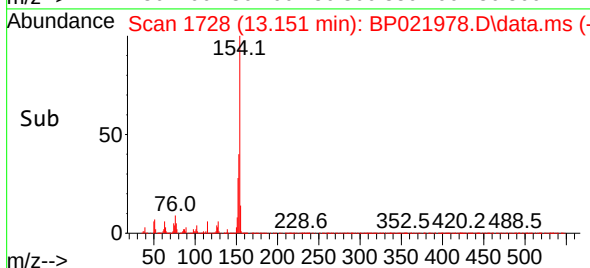
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

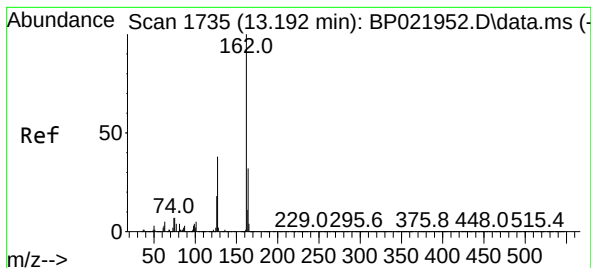


#46
1,1'-Biphenyl
Concen: 3.442 ng
RT: 13.151 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



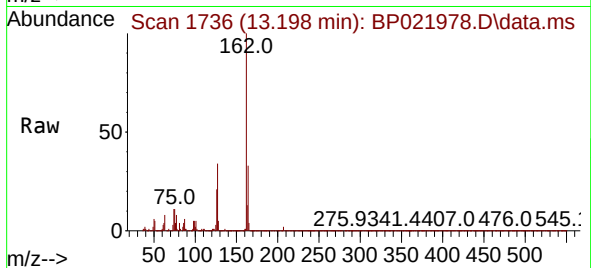
Tgt Ion:154 Resp: 60975
Ion Ratio Lower Upper
154 100
153 40.1 20.2 60.2
76 8.9 0.0 29.9





#47
2-Chloronaphthalene
Concen: 3.234 ng
RT: 13.198 min Scan# 1735
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

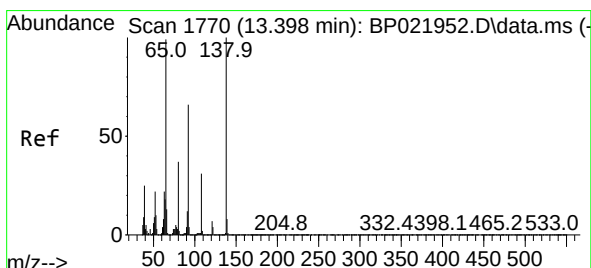
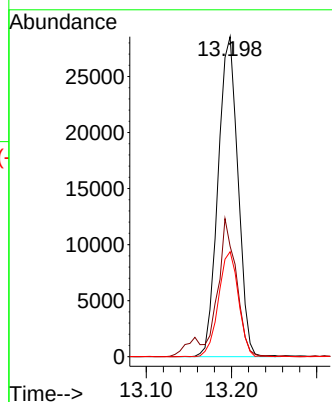
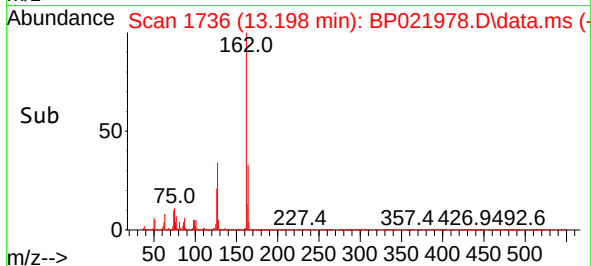
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



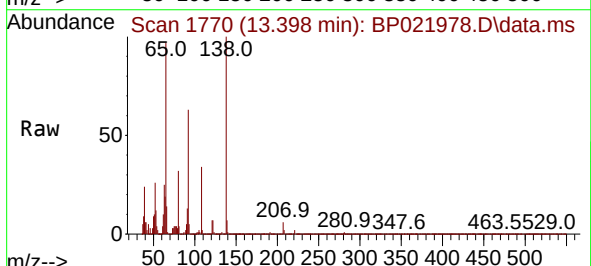
Tgt Ion: 162 Resp: 46318
Ion Ratio Lower Upper
162 100
127 34.5 31.7 47.5
164 32.8 25.9 38.9

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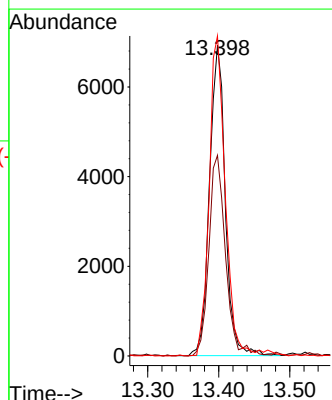
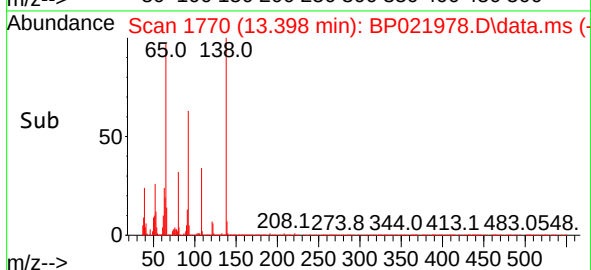
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

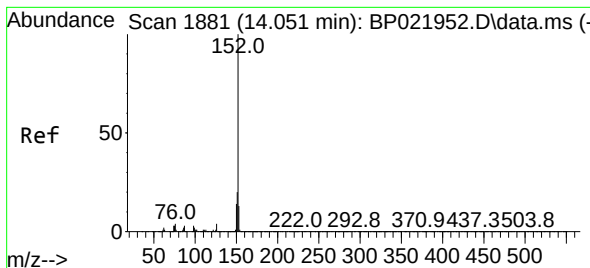


#48
2-Nitroaniline
Concen: 2.738 ng
RT: 13.398 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



Tgt Ion: 65 Resp: 10709
Ion Ratio Lower Upper
65 100
92 64.6 53.2 79.8
138 103.0 81.1 121.7





#49

Acenaphthylene

Concen: 3.460 ng

RT: 14.051 min Scan# 1881

Delta R.T. -0.000 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

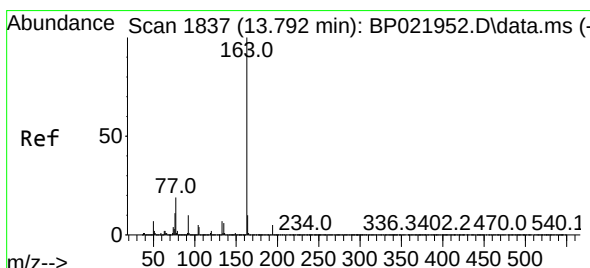
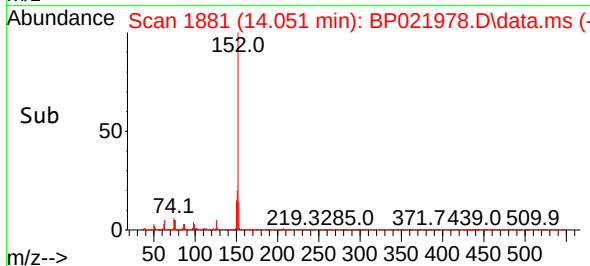
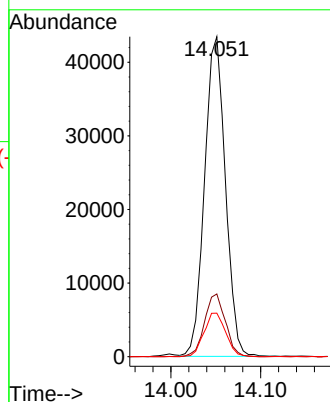
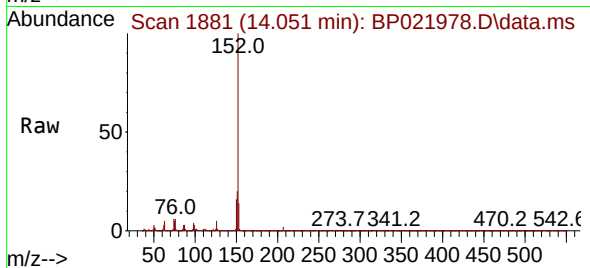
Tgt Ion:	152	Resp:	6993
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.0	24.0
153	13.6	10.8	16.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#50

Dimethylphthalate

Concen: 3.276 ng

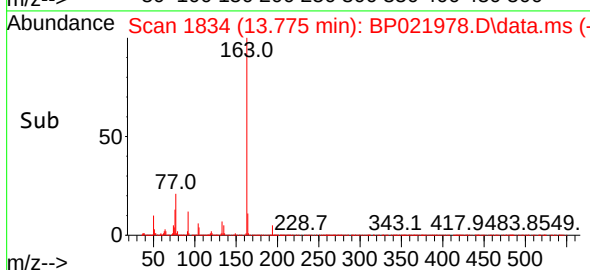
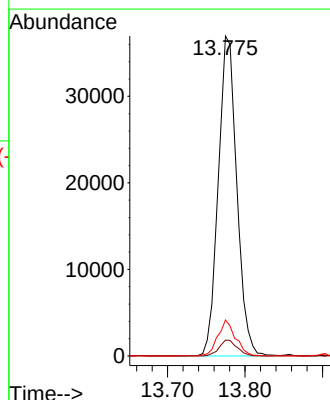
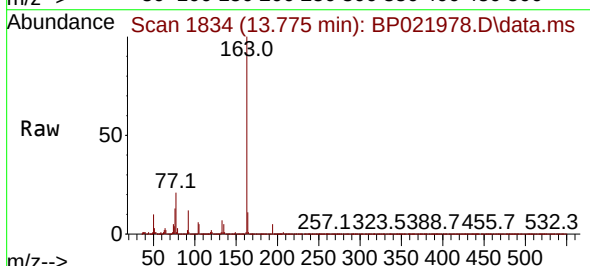
RT: 13.775 min Scan# 1834

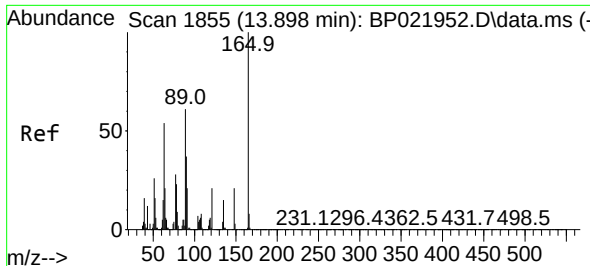
Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:	163	Resp:	61732
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.6	5.4
164	11.3	8.0	12.0





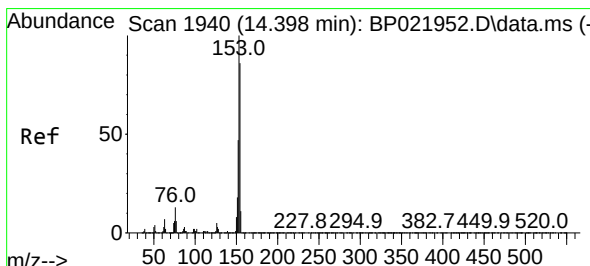
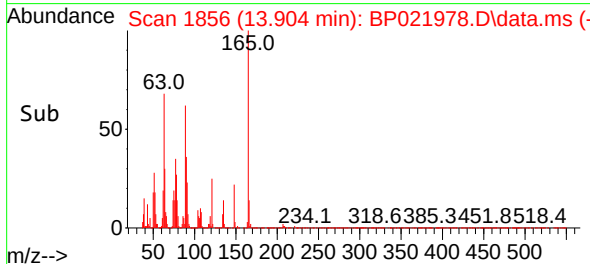
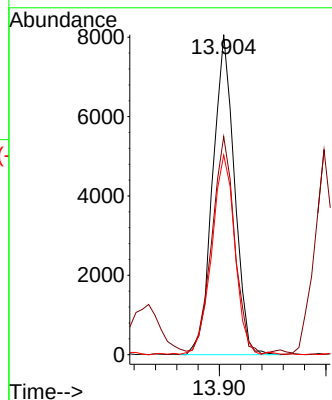
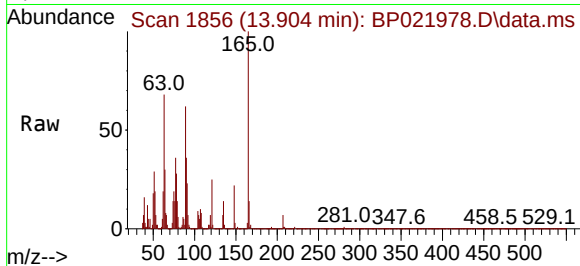
#51
2,6-Dinitrotoluene
Concen: 2.711 ng
RT: 13.904 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion	Ratio	Lower	Upper
165	100		
63	68.1	46.4	69.6
89	62.4	48.5	72.7

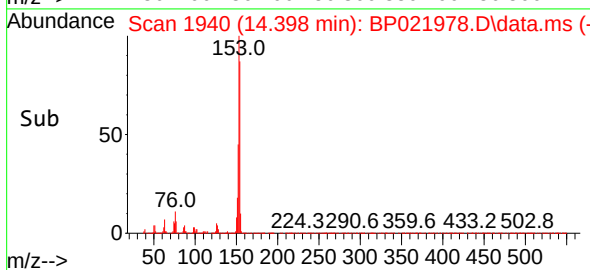
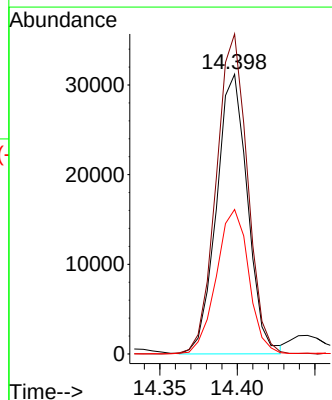
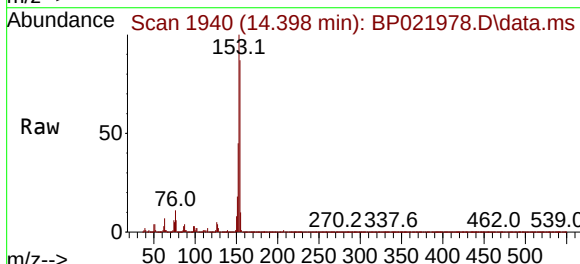
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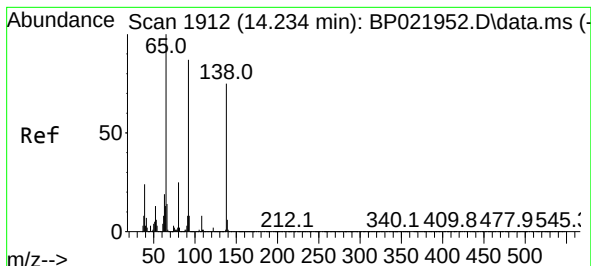
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#52
Acenaphthene
Concen: 3.309 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	92.7	139.1
152	51.7	43.6	65.4





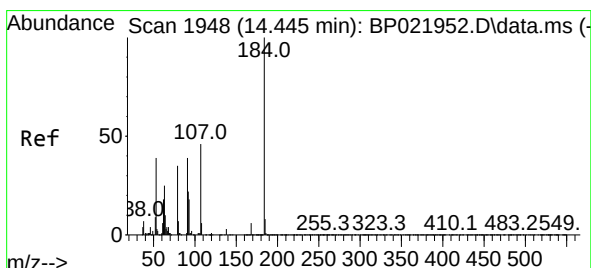
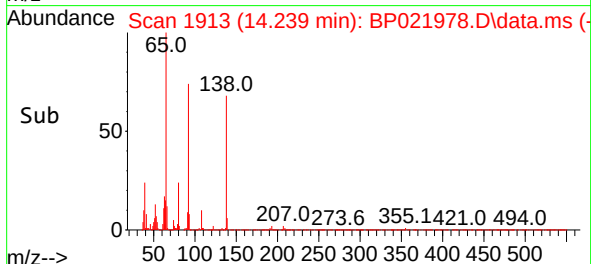
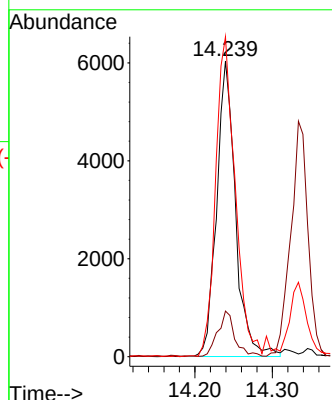
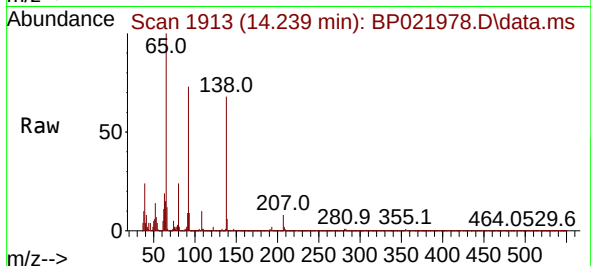
#53
3-Nitroaniline
Concen: 2.738 ng
RT: 14.239 min Scan# 1912
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:138 Resp: 10240
Ion Ratio Lower Upper
138 100
108 15.4 9.0 13.4
92 108.2 92.8 139.2

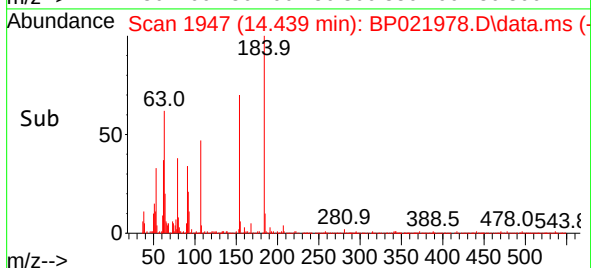
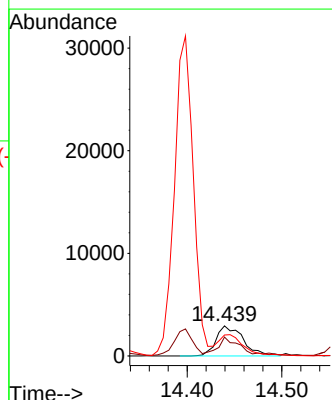
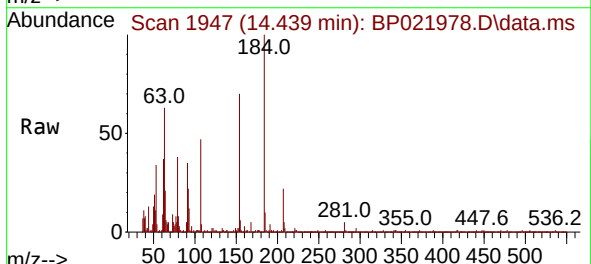
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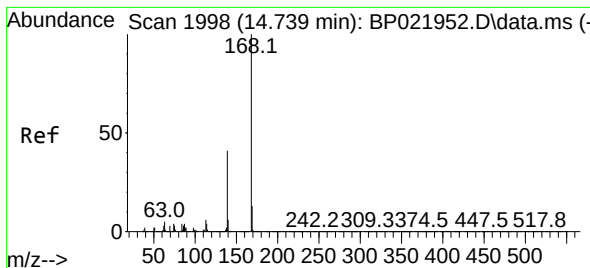
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#54
2,4-Dinitrophenol
Concen: 2.372 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:184 Resp: 5834
Ion Ratio Lower Upper
184 100
63 63.2 49.0 73.6
154 69.6 58.1 87.1





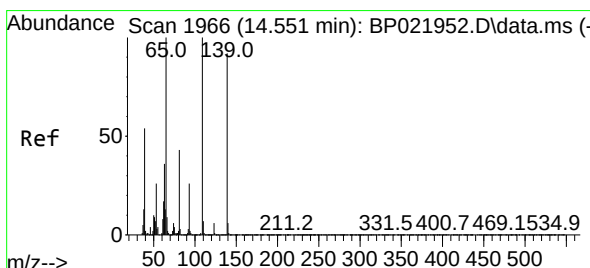
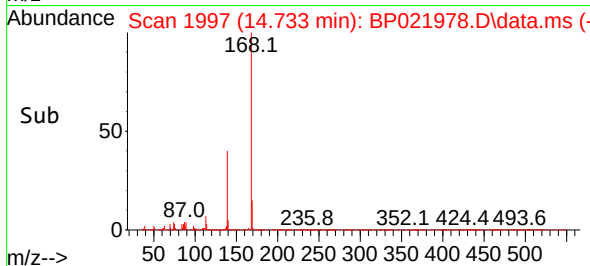
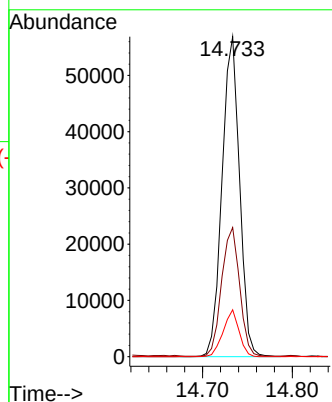
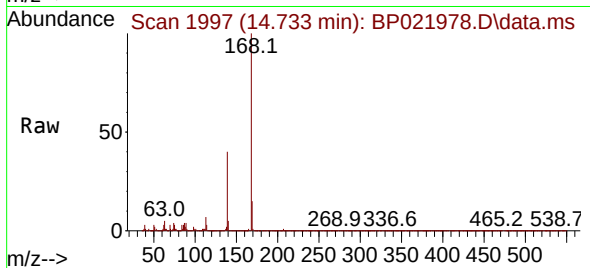
#55
Dibenzenofuran
Concen: 3.487 ng
RT: 14.733 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:168 Resp: 77080
Ion Ratio Lower Upper
168 100
139 40.4 33.0 49.4
169 14.6 10.7 16.1

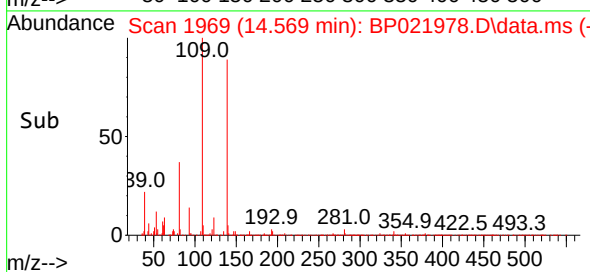
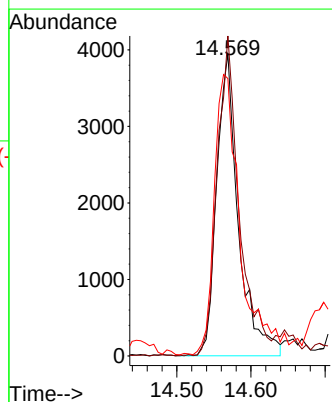
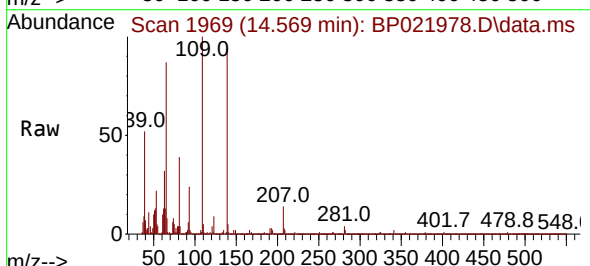
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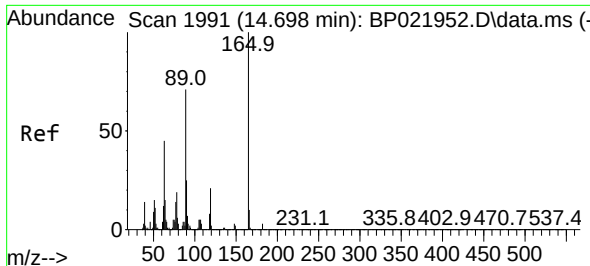
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#56
4-Nitrophenol
Concen: 2.472 ng
RT: 14.569 min Scan# 1969
Delta R.T. 0.018 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

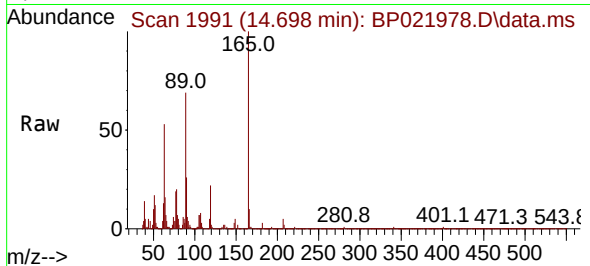
Tgt Ion:139 Resp: 8051
Ion Ratio Lower Upper
139 100
109 105.9 88.6 128.6
65 91.8 88.7 128.7





#57
2,4-Dinitrotoluene
Concen: 2.820 ng
RT: 14.698 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

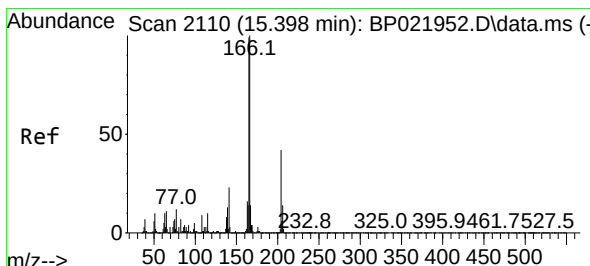
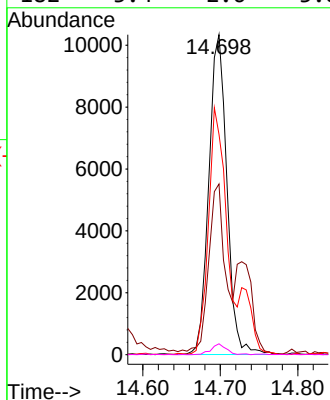
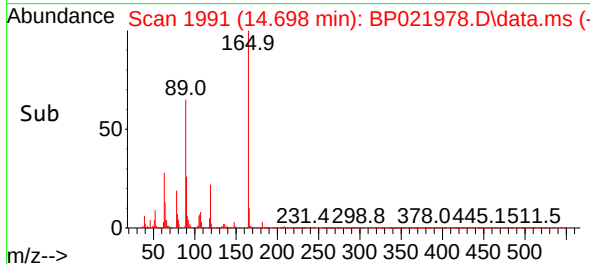
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



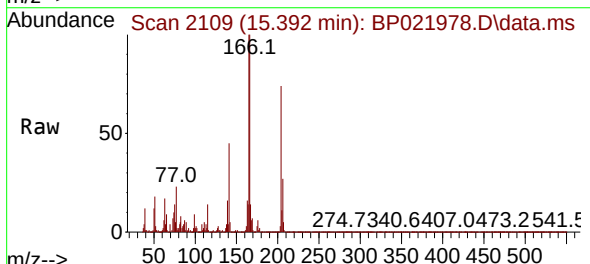
Tgt Ion:165 Resp: 16740
Ion Ratio Lower Upper
165 100
63 53.4 36.3 54.5
89 68.8 57.2 85.8
182 3.4 2.6 3.8

Manual Integrations
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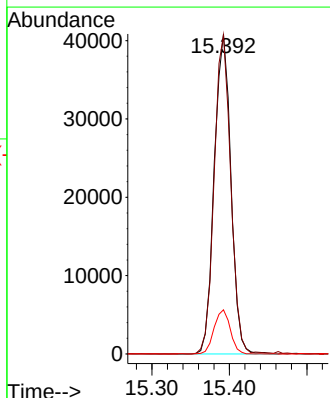
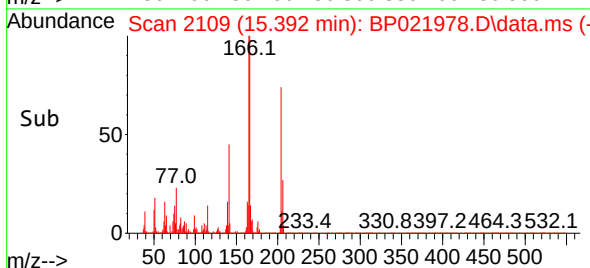
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

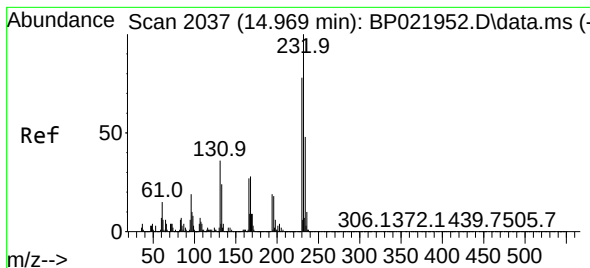


#58
Fluorene
Concen: 3.299 ng
RT: 15.392 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



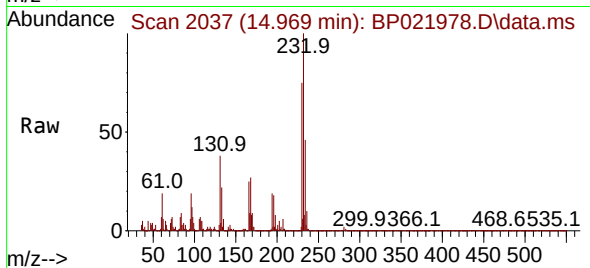
Tgt Ion:166 Resp: 60905
Ion Ratio Lower Upper
166 100
165 99.7 79.4 119.2
167 13.8 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.105 ng
RT: 14.969 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

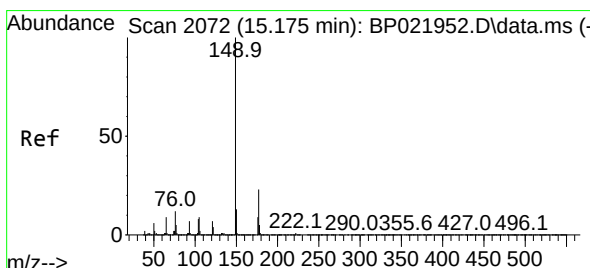
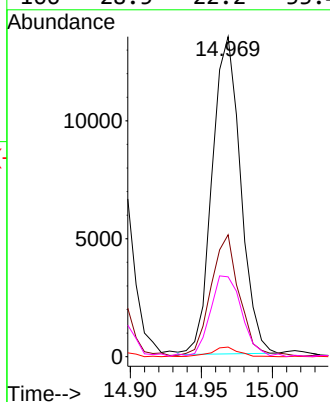
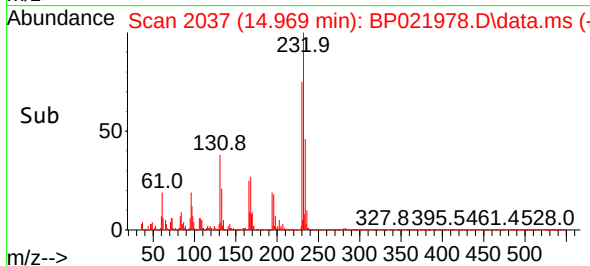
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt Ion:232 Resp: 18754
Ion Ratio Lower Upper
232 100
131 38.4 30.2 45.4
130 2.9 1.9 2.9
166 28.5 22.2 33.4

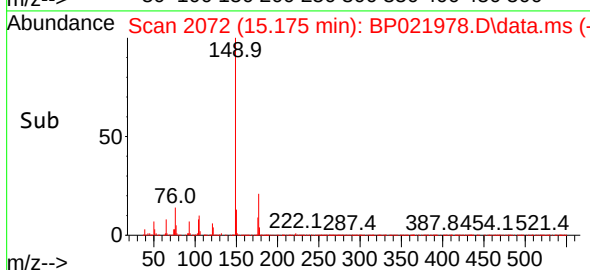
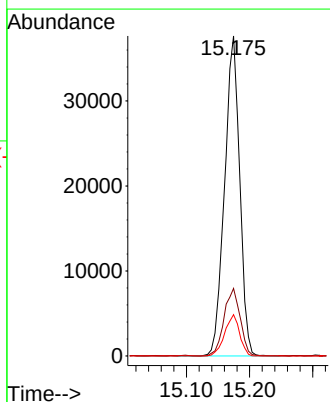
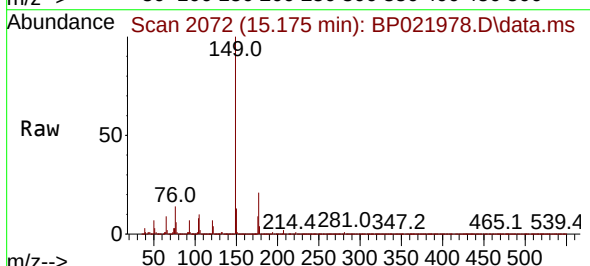
Manual Integrations
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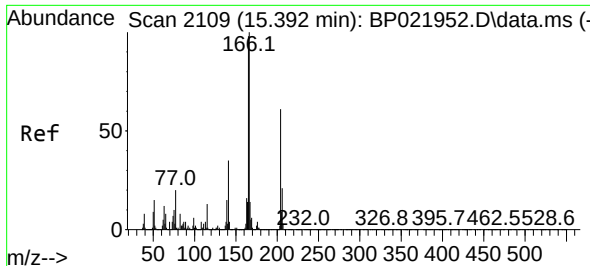
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#60
Diethylphthalate
Concen: 3.270 ng
RT: 15.175 min Scan# 2072
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

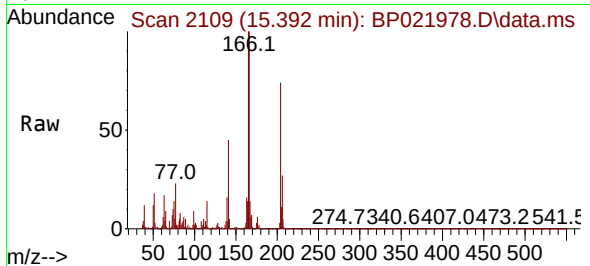
Tgt Ion:149 Resp: 62606
Ion Ratio Lower Upper
149 100
177 21.1 18.2 27.4
150 12.9 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 3.392 ng
RT: 15.392 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

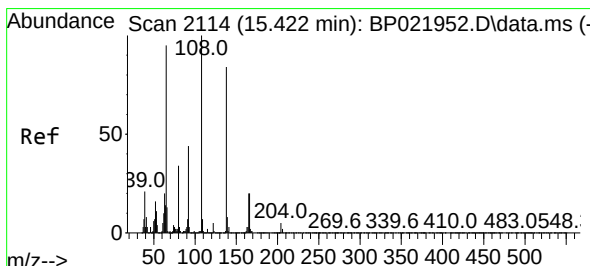
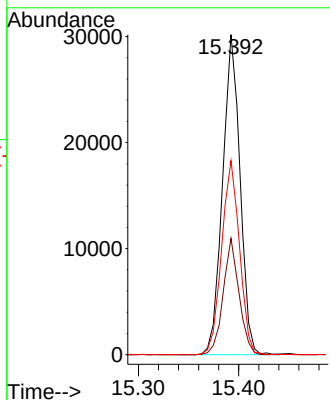
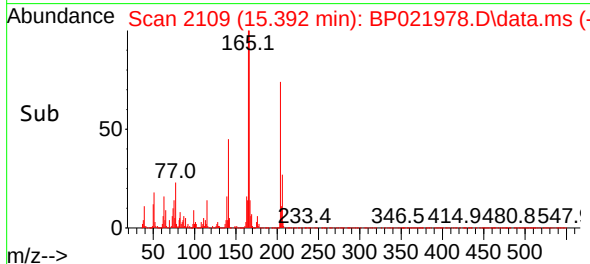
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024



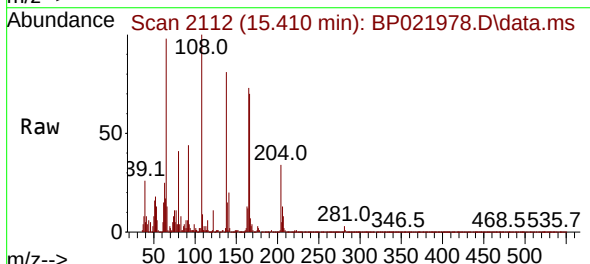
Tgt Ion: 204 Resp: 36460
Ion Ratio Lower Upper
204 100
206 36.3 27.3 40.9
141 60.6 45.7 68.5

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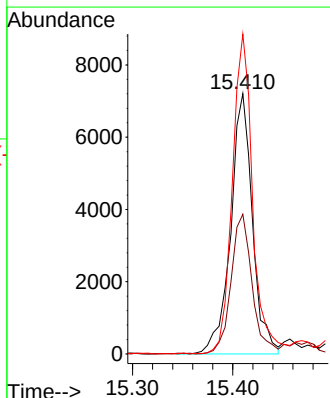
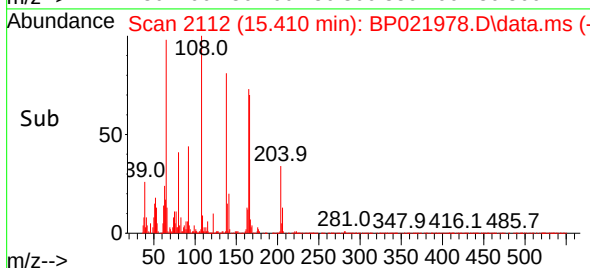
Reviewed By : Yogesh Patel 09/25/2024
Supervised By : mohammad ahmed 09/25/2024

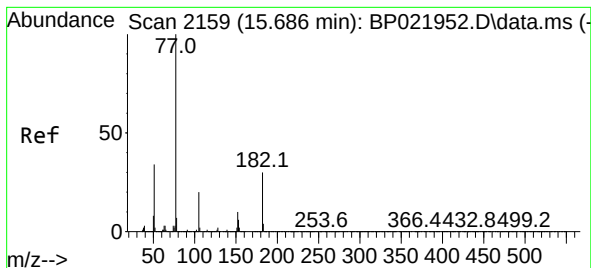


#62
4-Nitroaniline
Concen: 2.653 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.012 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50



Tgt Ion: 138 Resp: 10916
Ion Ratio Lower Upper
138 100
92 53.7 32.6 72.6
108 123.0 98.6 138.6





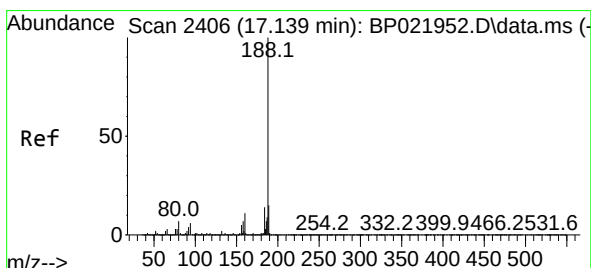
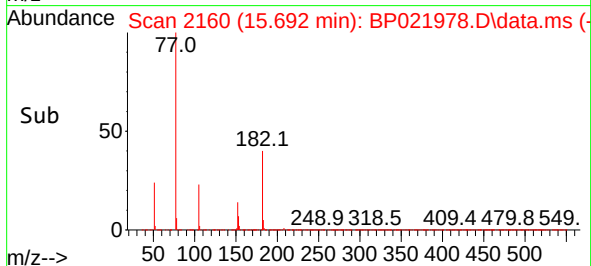
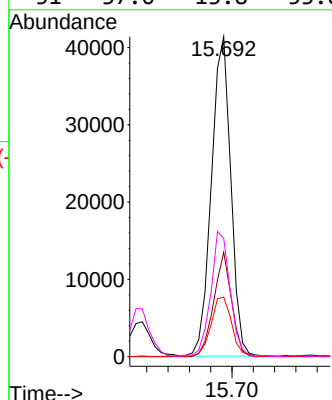
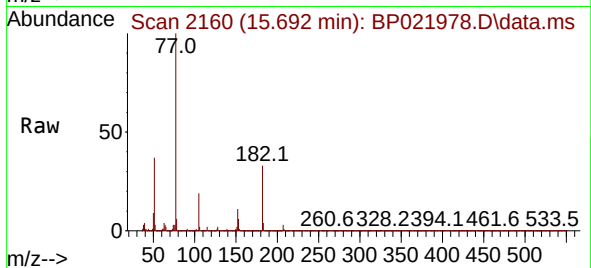
#63
Azobenzene
Concen: 3.305 ng
RT: 15.692 min Scan# 2159
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 52374
Ion Ratio Lower Upper
77 100
182 32.6 9.6 49.6
105 18.6 0.0 39.8
51 37.0 13.8 53.8

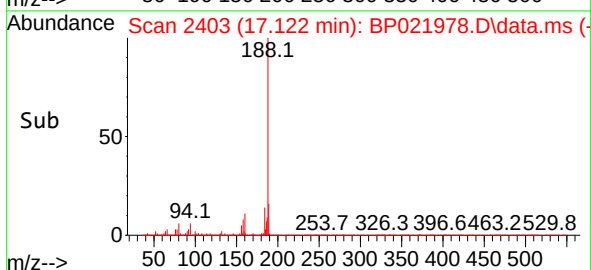
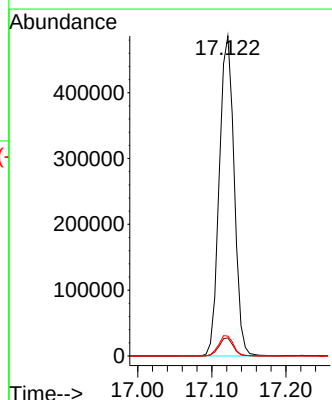
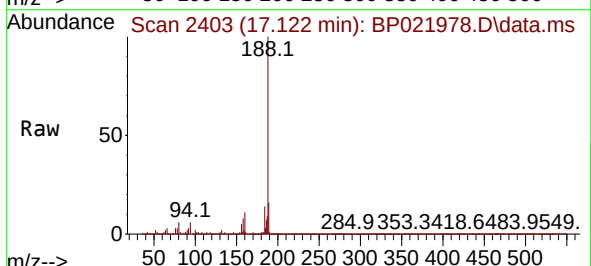
Manual Integrations
APPROVED

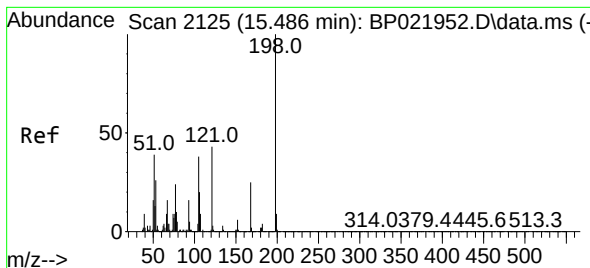
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.122 min Scan# 2403
Delta R.T. -0.018 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:188 Resp: 676864
Ion Ratio Lower Upper
188 100
94 5.7 4.6 6.8
80 6.2 5.4 8.2





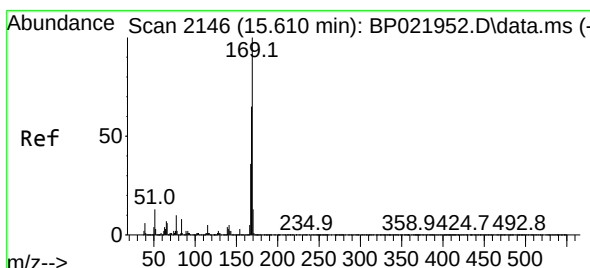
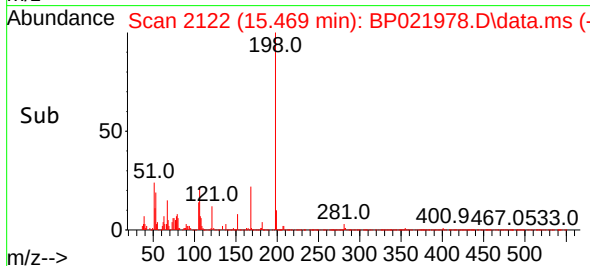
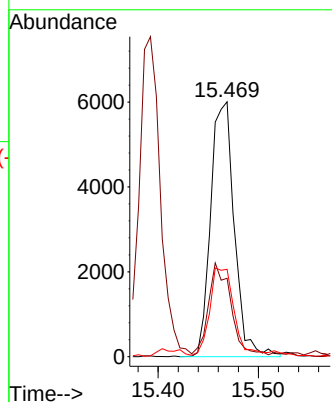
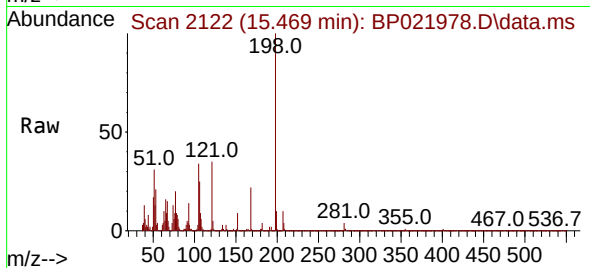
#65
4,6-Dinitro-2-methylphenol
Concen: 2.506 ng
RT: 15.469 min Scan# 2125
Delta R.T. -0.018 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion:198 Resp: 983
Ion Ratio Lower Upper
198 100
51 30.8 20.7 60.7
105 34.3 18.4 58.4

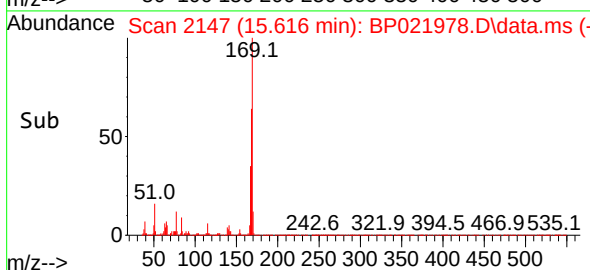
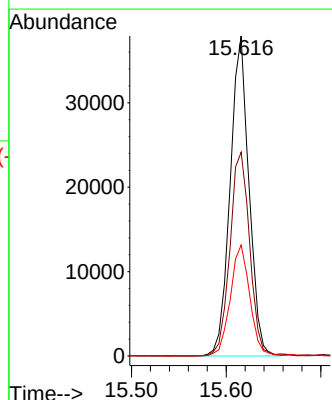
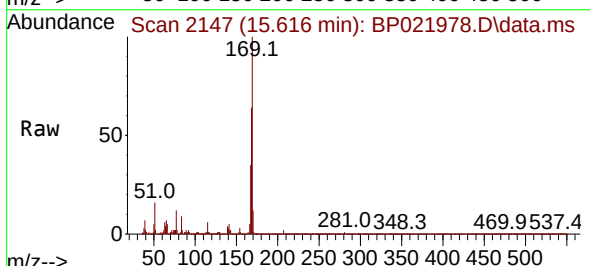
Manual Integrations
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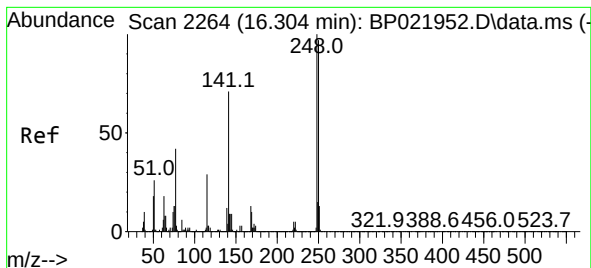
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#66
n-Nitrosodiphenylamine
Concen: 3.099 ng
RT: 15.616 min Scan# 2147
Delta R.T. 0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

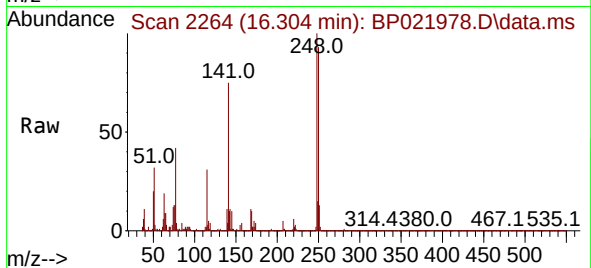
Tgt Ion:169 Resp: 52236
Ion Ratio Lower Upper
169 100
168 63.7 52.2 78.4
167 34.7 28.6 42.8





#67
4-Bromophenyl-phenylether
Concen: 3.208 ng
RT: 16.304 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

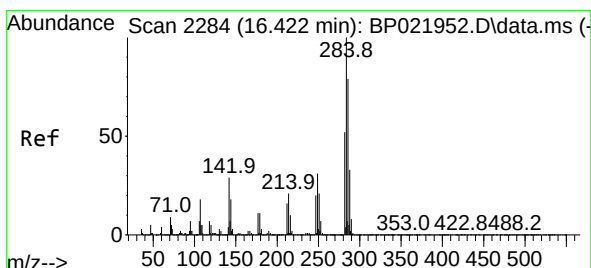
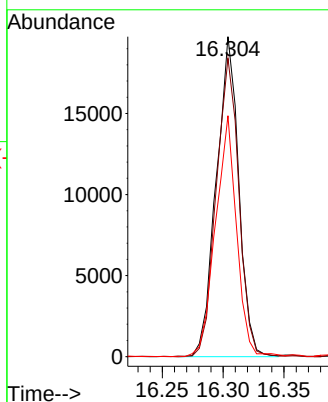
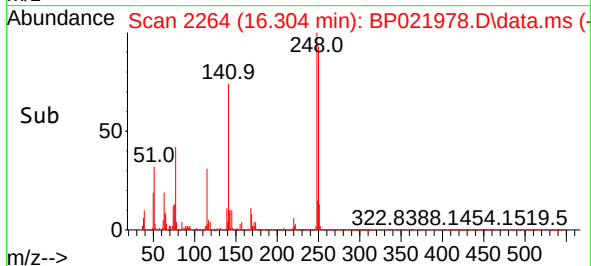
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:248 Resp: 2531
Ion Ratio Lower Upper
248 100
250 93.2 77.5 116.3
141 75.3 56.5 84.7

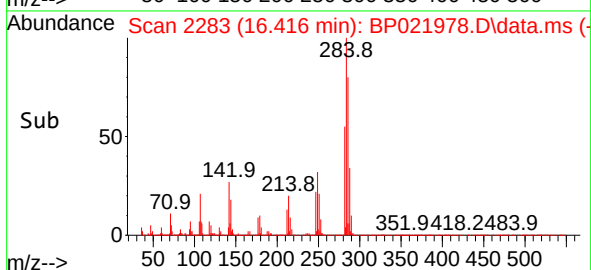
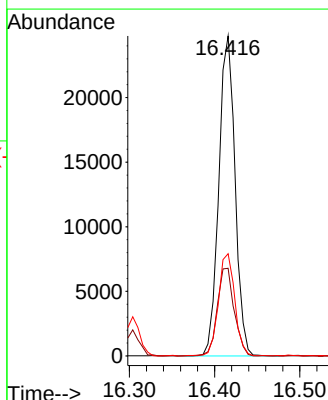
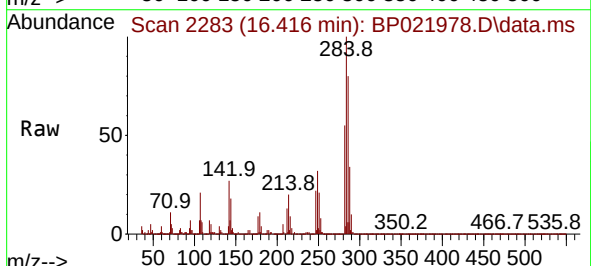
Manual Integrations
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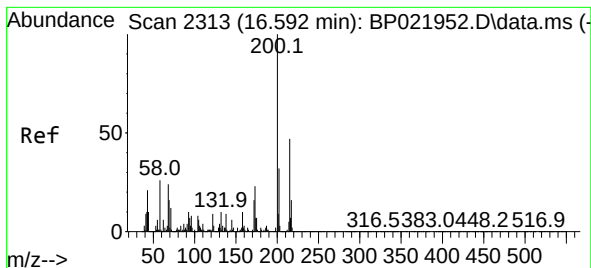
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#68
Hexachlorobenzene
Concen: 3.337 ng
RT: 16.416 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:284 Resp: 32829
Ion Ratio Lower Upper
284 100
142 27.4 22.9 34.3
249 32.0 25.2 37.8





#69

Atrazine

Concen: 3.838 ng

RT: 16.586 min Scan# 2312

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

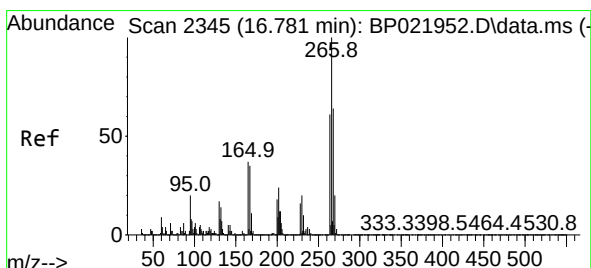
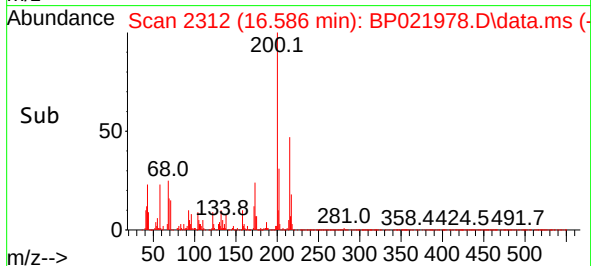
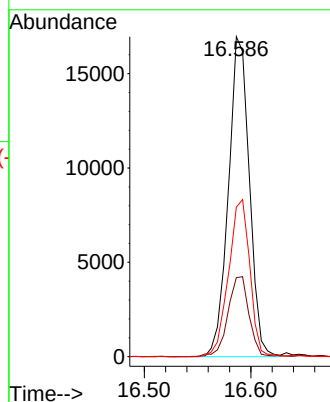
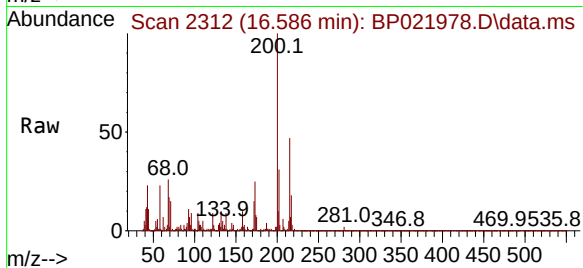
Tgt Ion:	200	Resp:	23170
Ion Ratio	Lower	Upper	
200	100		
173	24.7	3.0	43.0
215	46.8	27.4	67.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#70

Pentachlorophenol

Concen: 2.615 ng

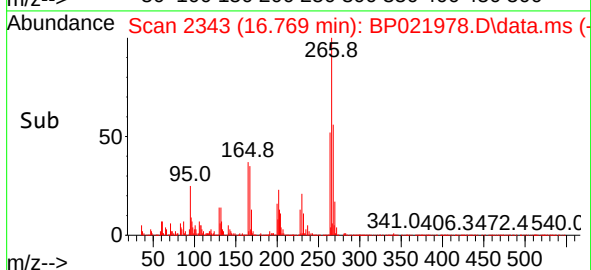
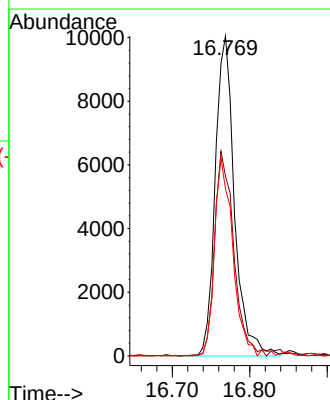
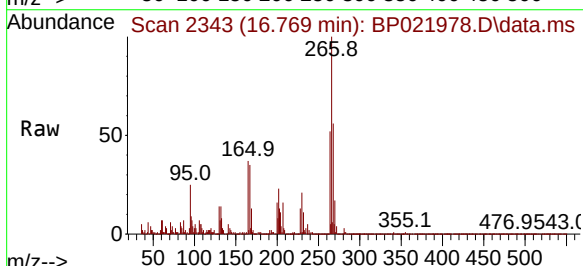
RT: 16.769 min Scan# 2343

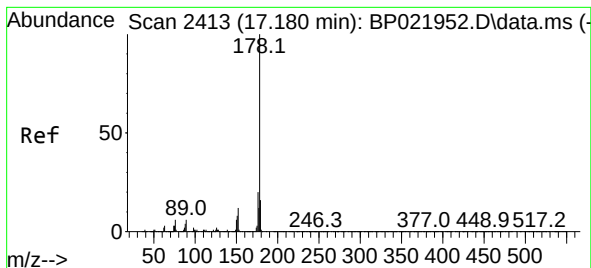
Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:	266	Resp:	17306
Ion Ratio	Lower	Upper	
266	100		
268	56.2	51.1	76.7
264	52.2	48.6	72.8





#71

Phenanthrene

Concen: 3.295 ng

RT: 17.163 min Scan# 2410

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

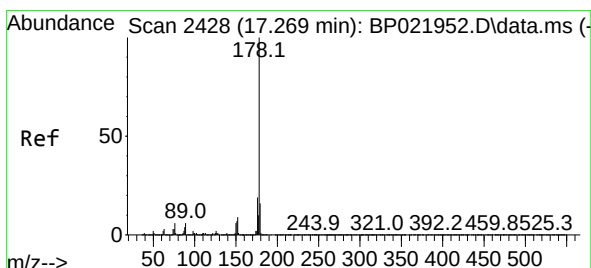
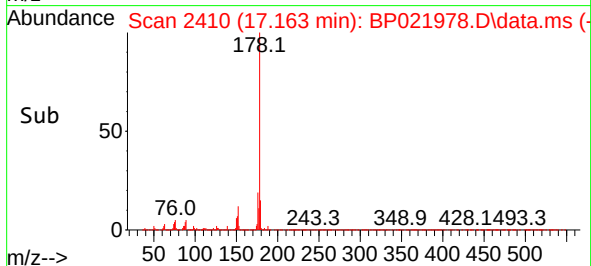
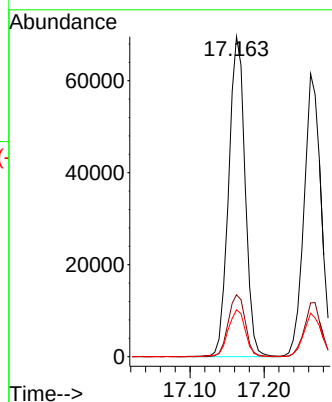
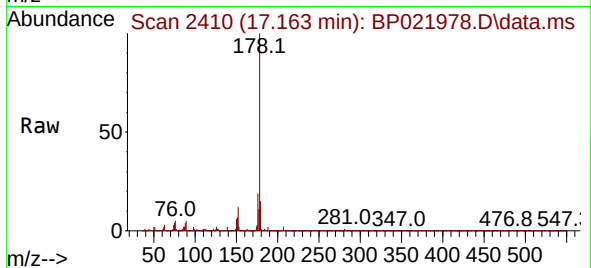
Tgt Ion:178 Resp: 107054
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 14.7 12.5 18.7

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#72

Anthracene

Concen: 3.131 ng

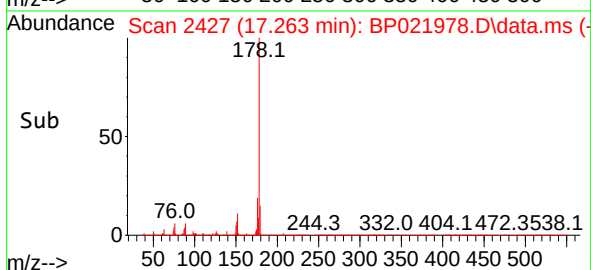
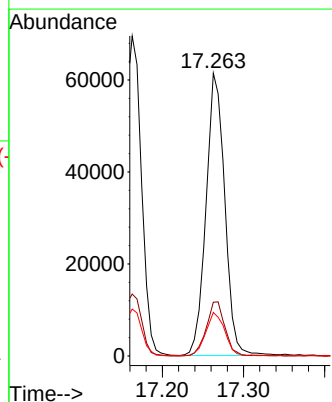
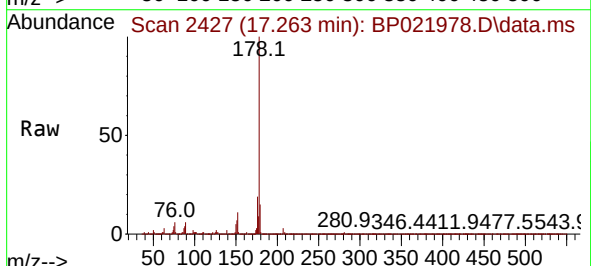
RT: 17.263 min Scan# 2427

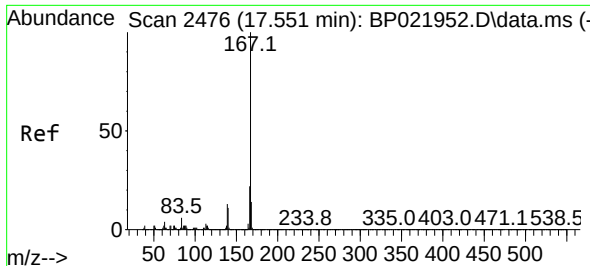
Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:178 Resp: 98491
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 15.4 12.6 18.8





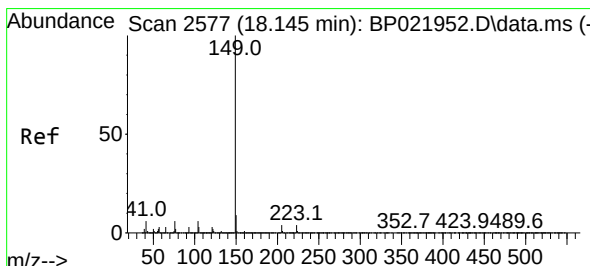
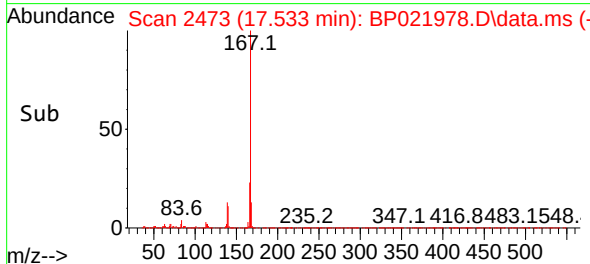
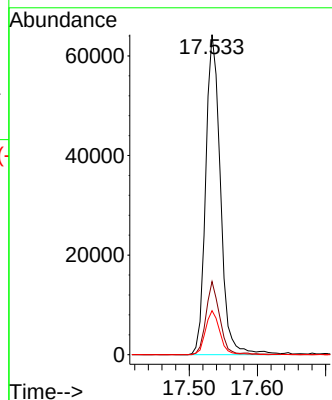
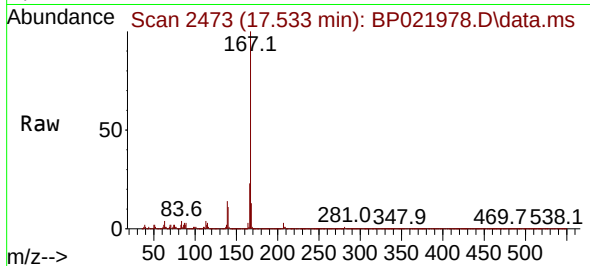
#73
 Carbazole
 Concen: 3.186 ng
 RT: 17.533 min Scan# 2476
 Delta R.T. -0.018 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2024

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.4	26.0
139	13.7	10.5	15.7

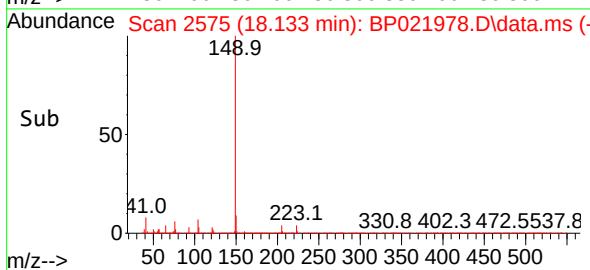
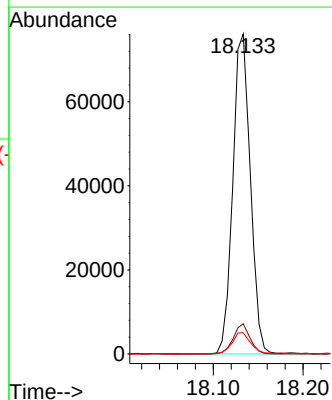
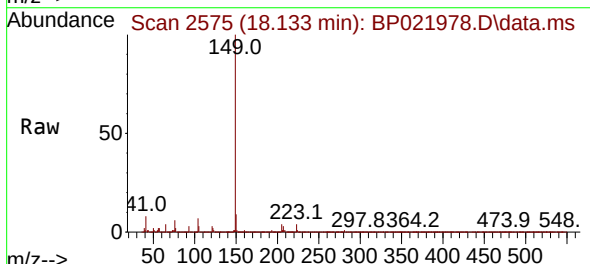
Manual Integrations
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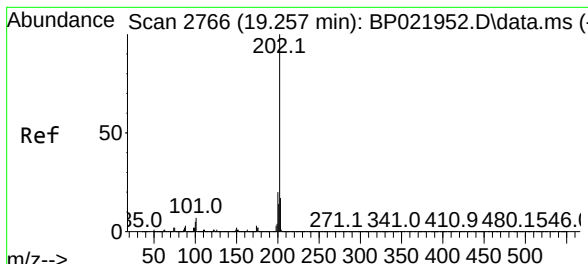
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



#74
 Di-n-butylphthalate
 Concen: 2.889 ng
 RT: 18.133 min Scan# 2575
 Delta R.T. -0.012 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	6.7	4.6	6.8



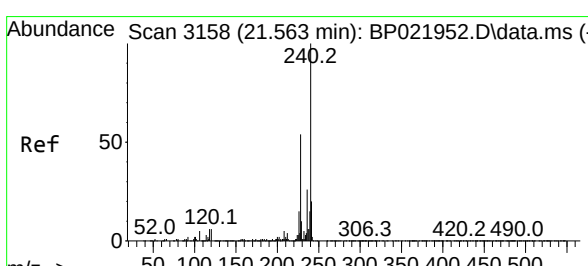
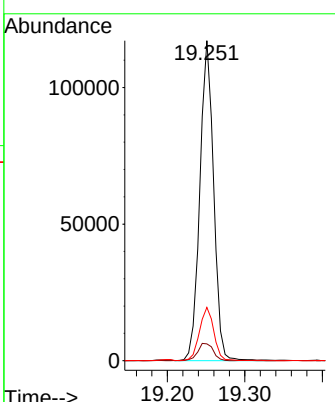
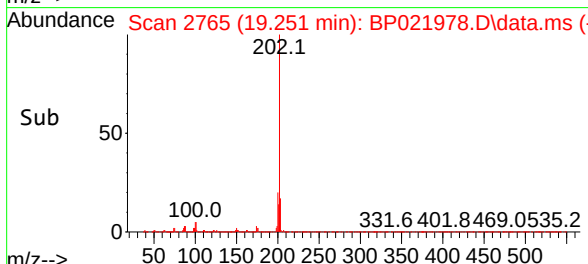
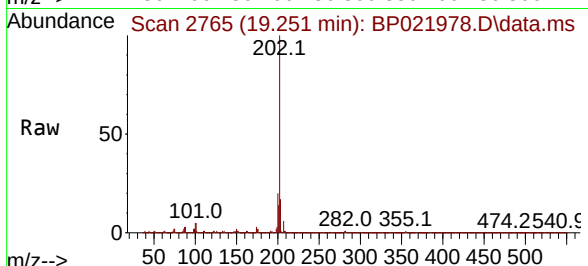


#75
 Fluoranthene
 Concen: 3.191 ng
 RT: 19.251 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2024

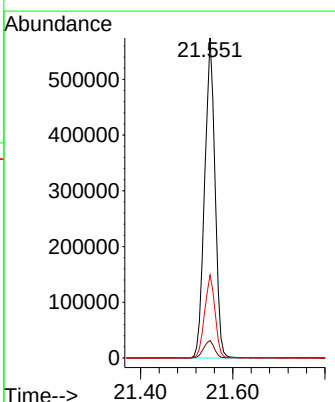
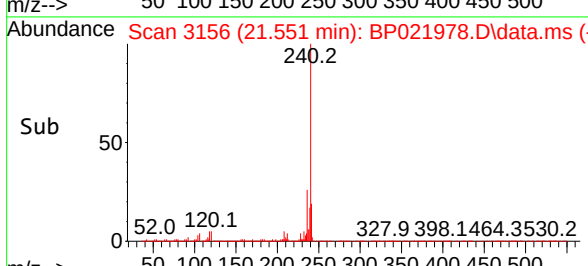
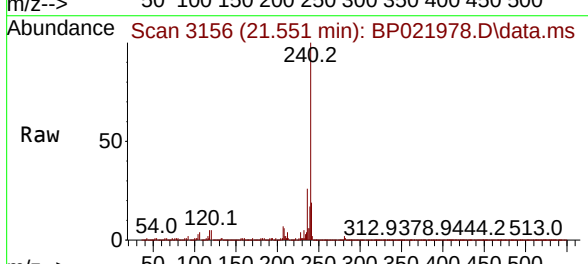
Tgt Ion:	202	Resp:	14471
Ion Ratio	Lower	Upper	
202	100		
101	5.9	0.0	26.5
203	16.6	0.0	37.3

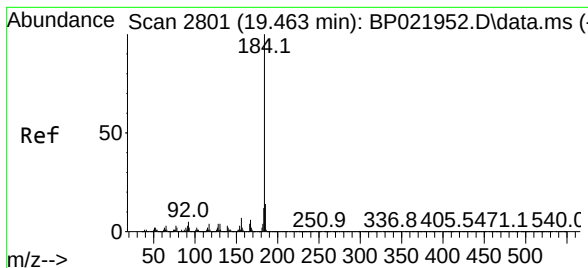
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.551 min Scan# 3156
 Delta R.T. -0.012 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50

Tgt Ion:	240	Resp:	900175
Ion Ratio	Lower	Upper	
240	100		
120	5.4	5.1	7.7
236	26.0	20.7	31.1





#77

Benzidine

Concen: 4.155 ng

RT: 19.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

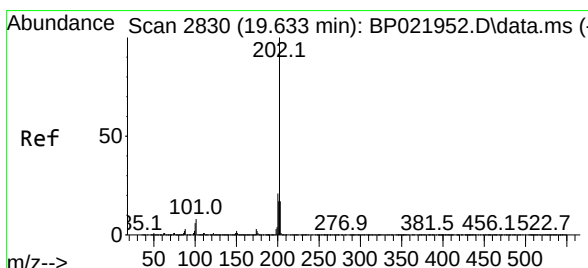
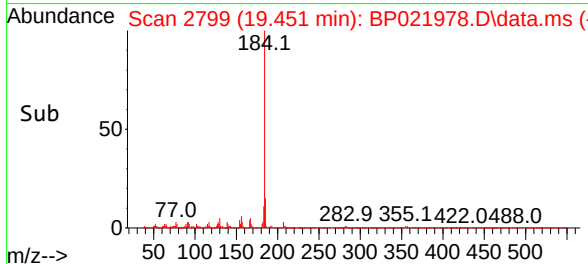
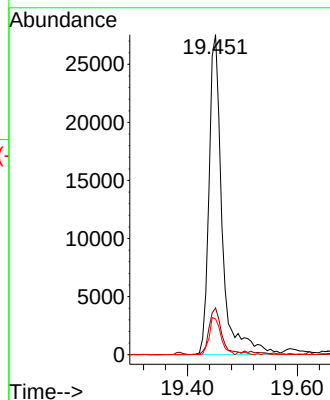
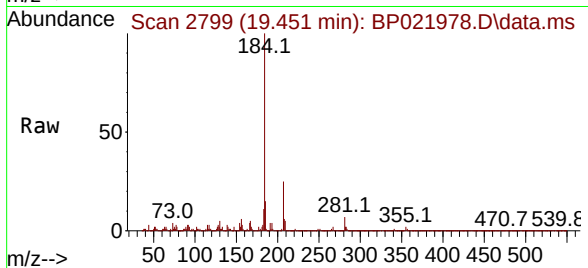
Tgt Ion:184 Resp: 45708
 Ion Ratio Lower Upper
 184 100
 185 14.6 10.9 16.3
 183 11.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#78

Pyrene

Concen: 2.815 ng

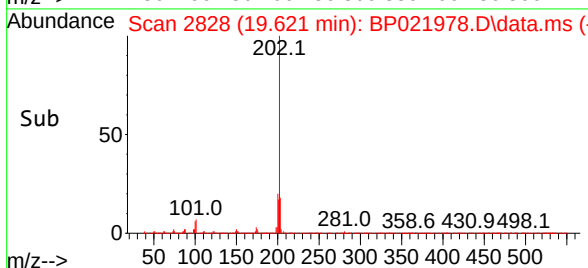
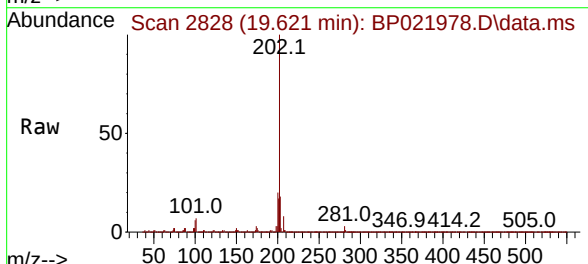
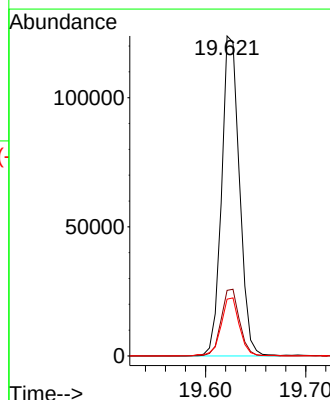
RT: 19.621 min Scan# 2828

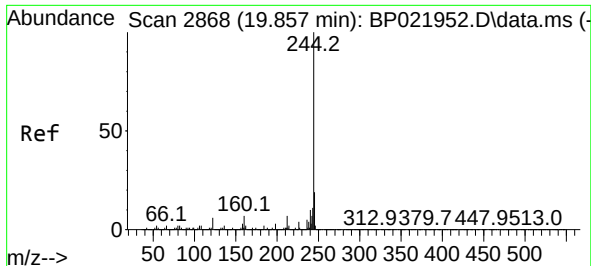
Delta R.T. -0.012 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

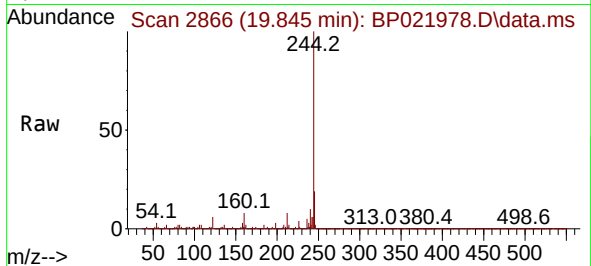
Tgt Ion:202 Resp: 153307
 Ion Ratio Lower Upper
 202 100
 200 20.5 16.8 25.2
 203 17.8 13.8 20.8





#79
 Terphenyl-d14
 Concen: 61.503 ng
 RT: 19.845 min Scan# 2866
 Delta R.T. -0.012 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50

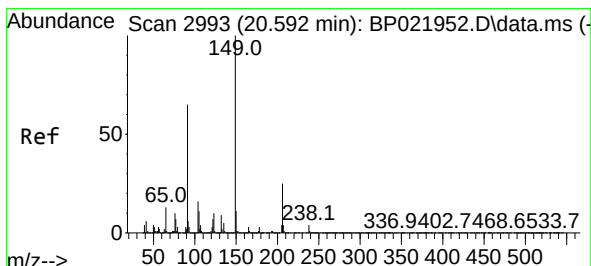
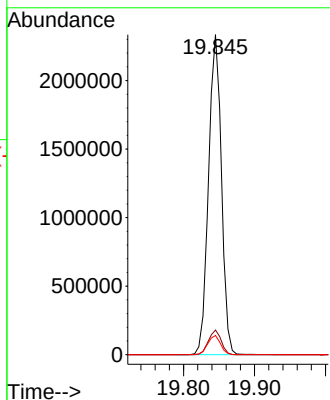
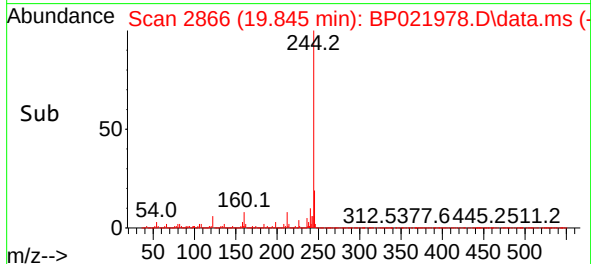
Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2024



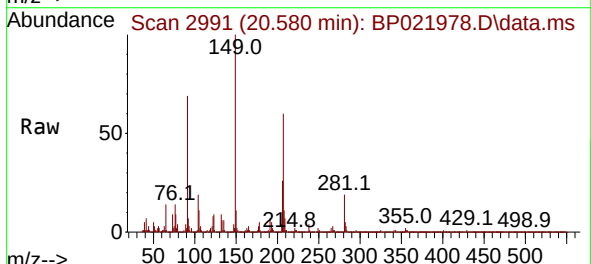
Tgt Ion:244 Resp: 2947250
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 6.0 5.0 7.4

Manual Integrations
 APPROVED

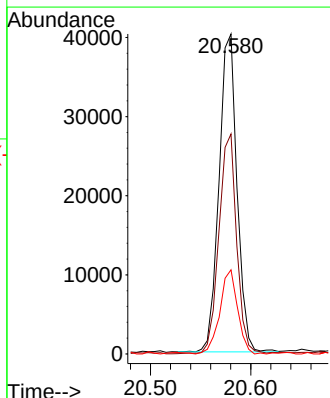
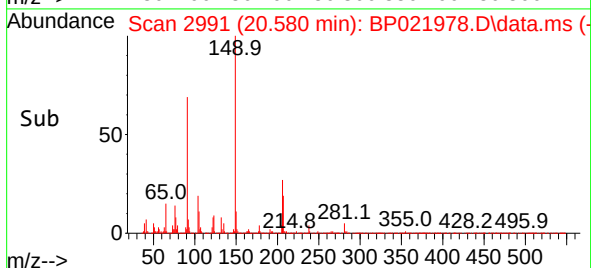
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024

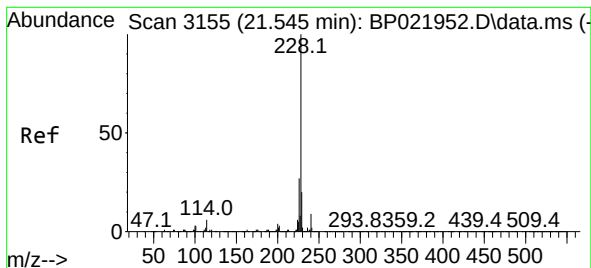


#80
 Butylbenzylphthalate
 Concen: 2.570 ng
 RT: 20.580 min Scan# 2991
 Delta R.T. -0.012 min
 Lab File: BP021978.D
 Acq: 23 Sep 2024 11:50



Tgt Ion:149 Resp: 49911
 Ion Ratio Lower Upper
 149 100
 91 68.8 51.9 77.9
 206 26.3 20.1 30.1





#81

Benzo(a)anthracene

Concen: 3.243 ng

RT: 21.527 min Scan# 3152

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

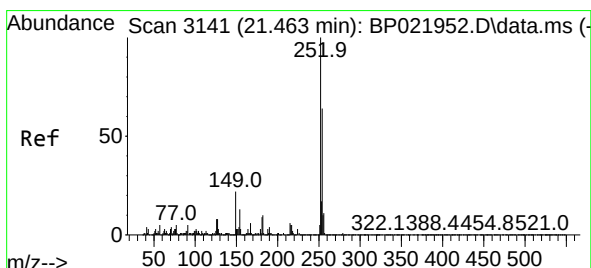
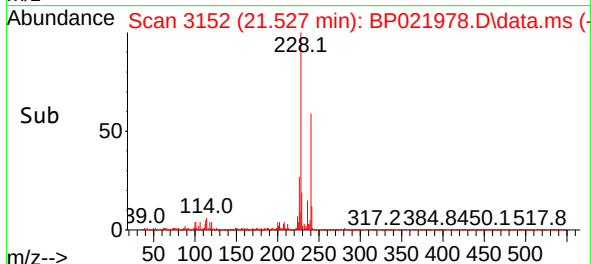
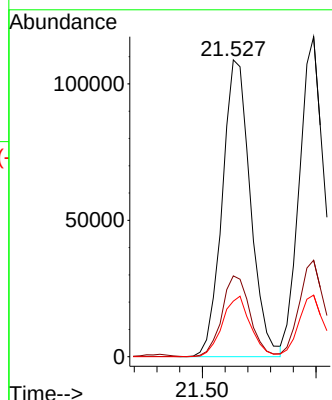
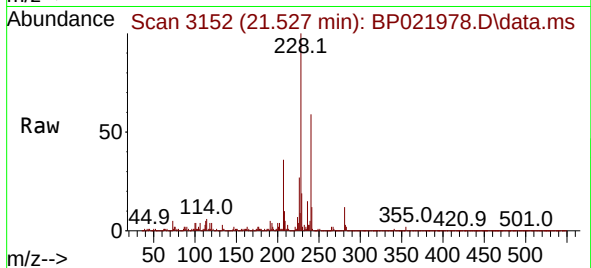
Tgt Ion:	228	Resp:	187609
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.5	32.3
229	18.7	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#82

3,3'-Dichlorobenzidine

Concen: 2.883 ng

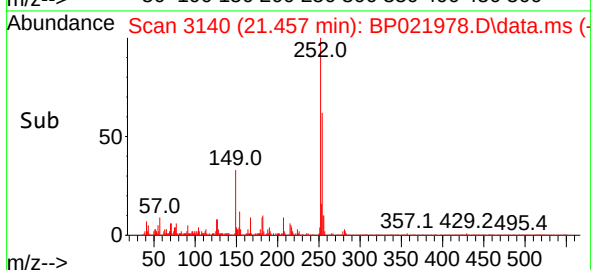
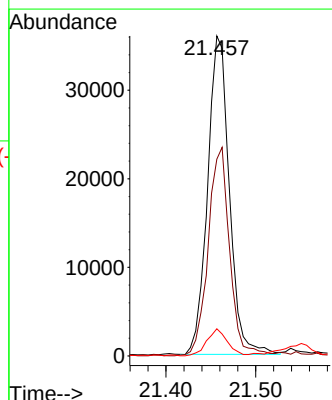
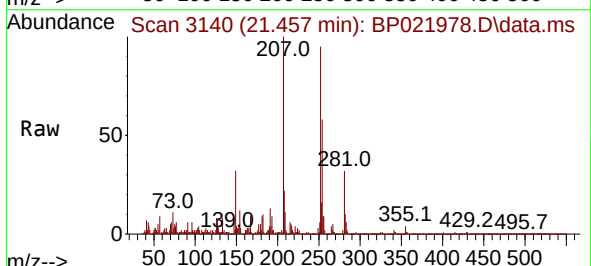
RT: 21.457 min Scan# 3140

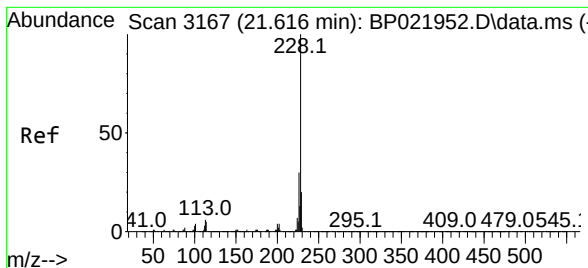
Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:	252	Resp:	60507
Ion Ratio	Lower	Upper	
252	100		
254	61.5	51.4	77.2
126	8.5	6.2	9.4





#83

Chrysene

Concen: 3.294 ng

RT: 21.598 min Scan# 3164

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

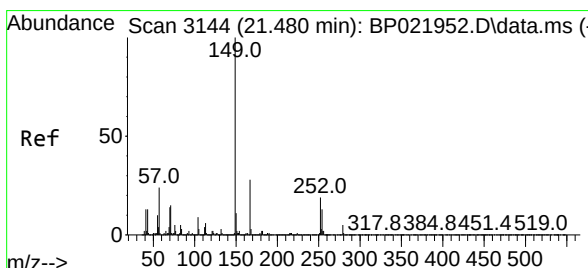
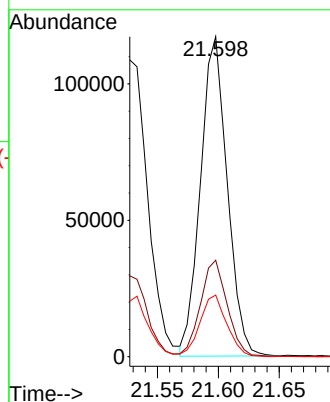
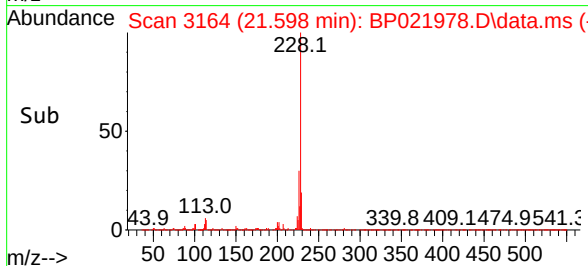
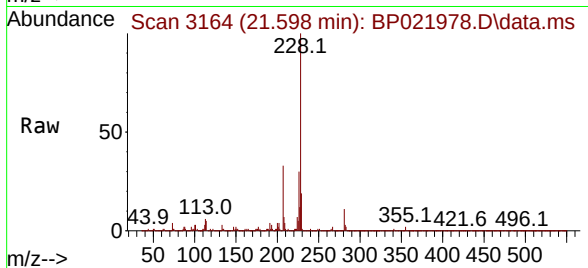
Tgt Ion:	228	Resp:	179390
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.2	36.4
229	19.3	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.603 ng

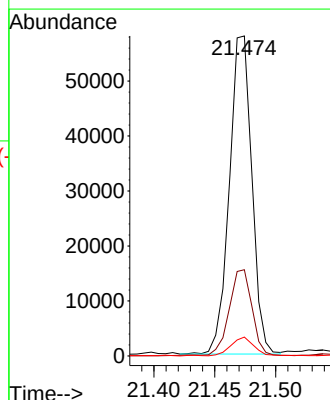
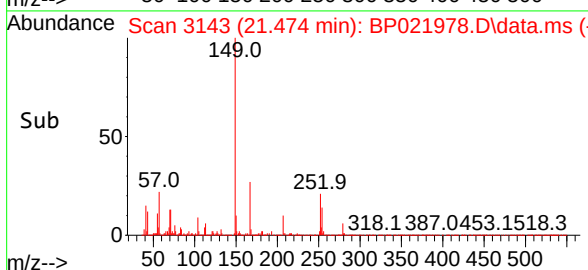
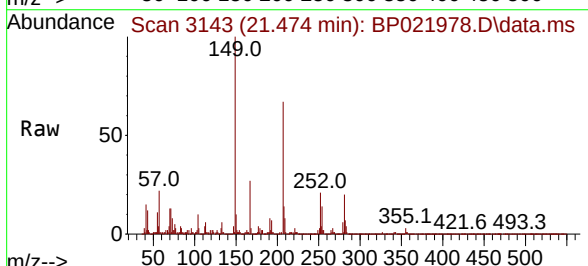
RT: 21.474 min Scan# 3143

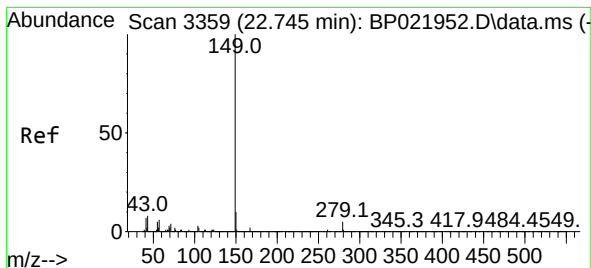
Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:	149	Resp:	74210
Ion Ratio	Lower	Upper	
149	100		
167	27.0	22.3	33.5
279	5.9	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 2.529 ng

RT: 22.739 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

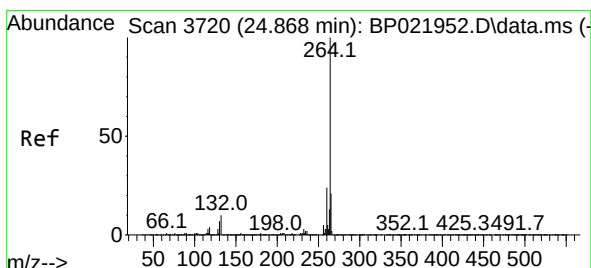
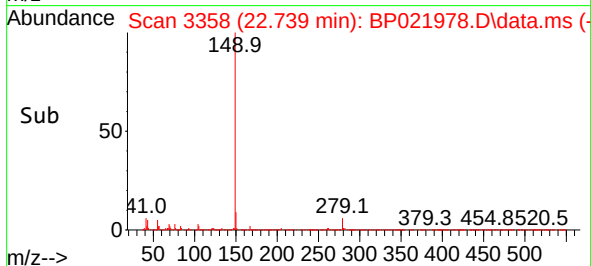
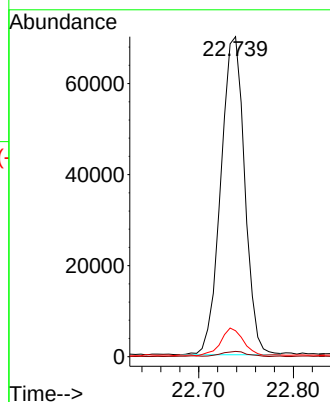
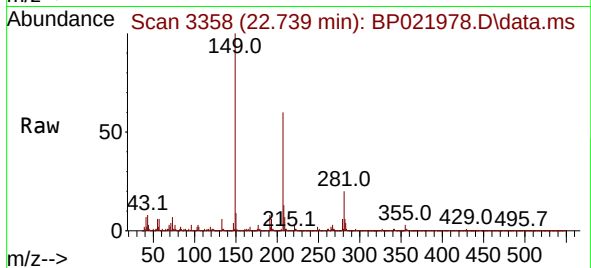
Tgt Ion:	149	Resp:	12245
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	8.4	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#86

Perylene-d12

Concen: 20.000 ng

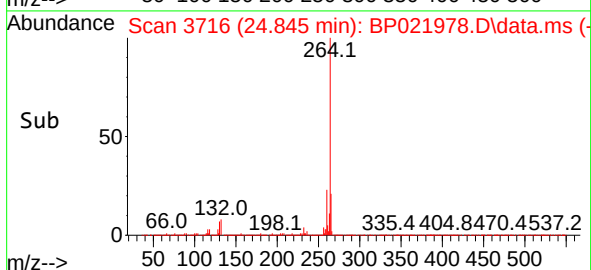
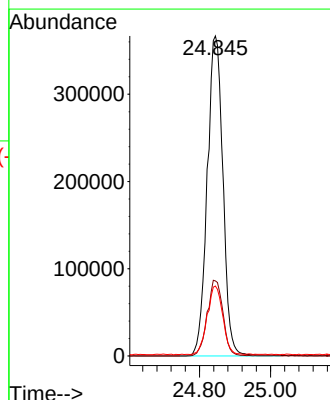
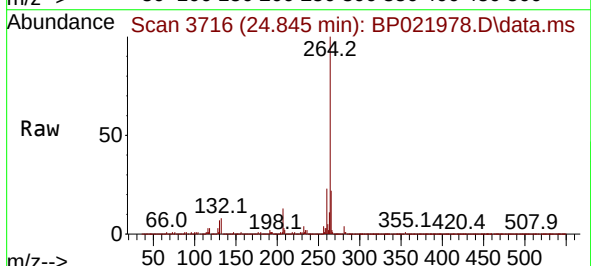
RT: 24.845 min Scan# 3716

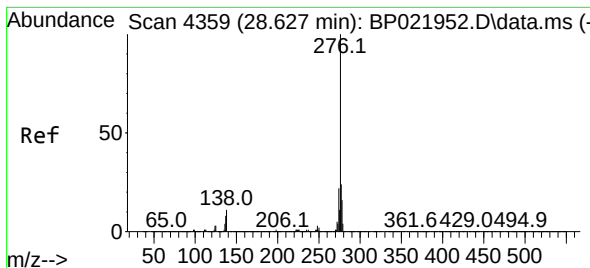
Delta R.T. -0.024 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:	264	Resp:	1128695
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.9	28.3
265	21.9	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.565 ng m

RT: 28.574 min Scan# 41

Delta R.T. -0.053 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

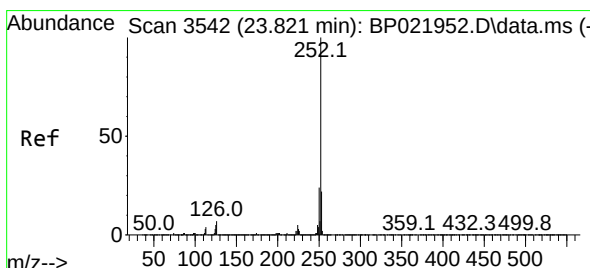
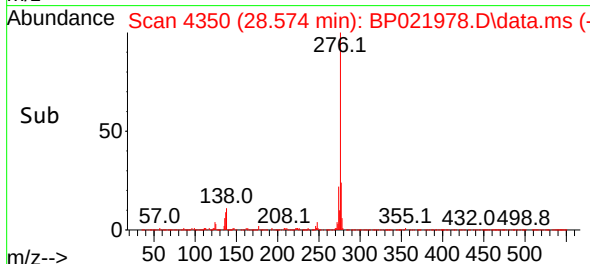
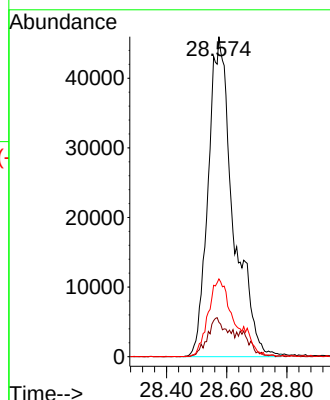
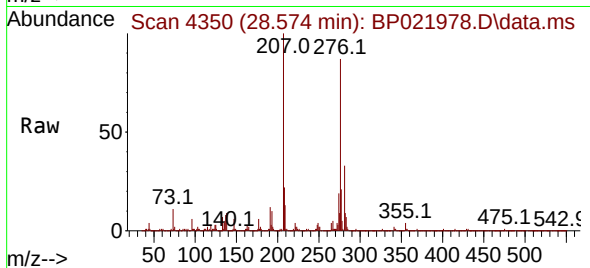
Tgt Ion:	276	Resp:	26764
Ion Ratio	Lower	Upper	
276	100		
138	10.1	7.8	11.8
277	22.3	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#88

Benzo(b)fluoranthene

Concen: 3.029 ng

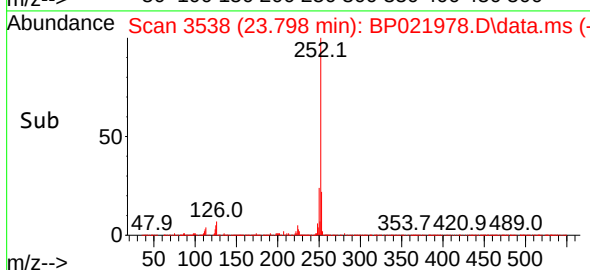
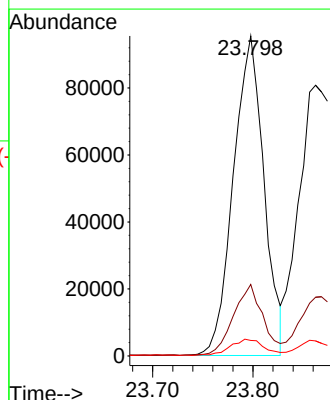
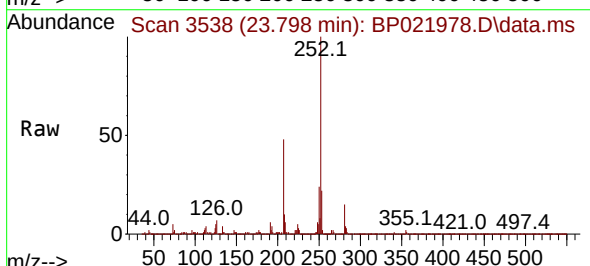
RT: 23.798 min Scan# 3538

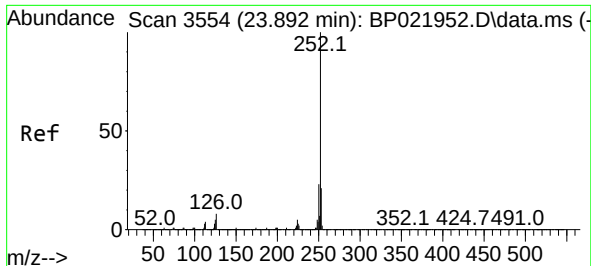
Delta R.T. -0.024 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

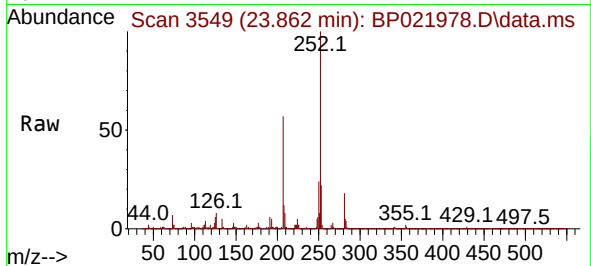
Tgt Ion:	252	Resp:	202207
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.0
125	4.8	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 3.242 ng
RT: 23.862 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

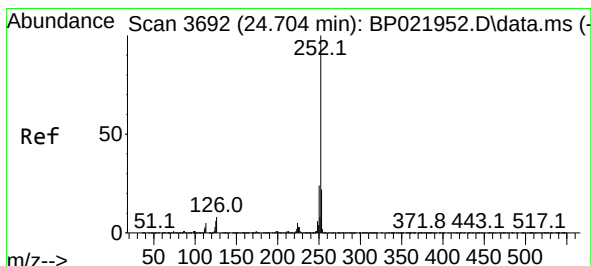
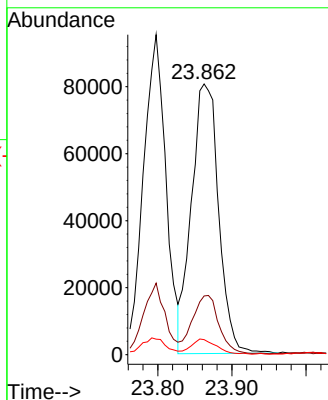
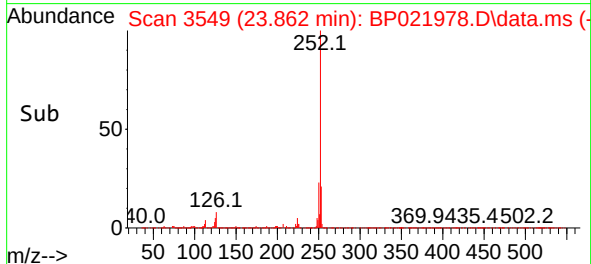
Instrument : BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:252 Resp: 204814
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 5.6 4.3 6.5

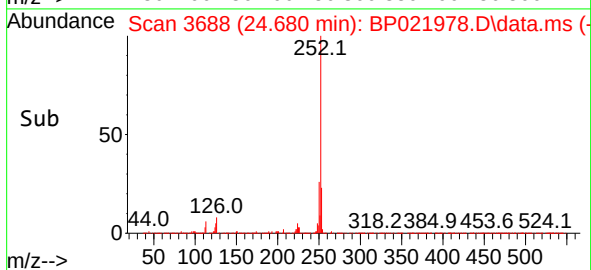
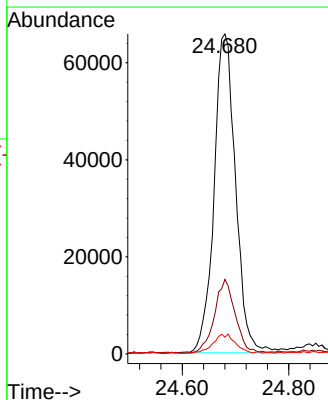
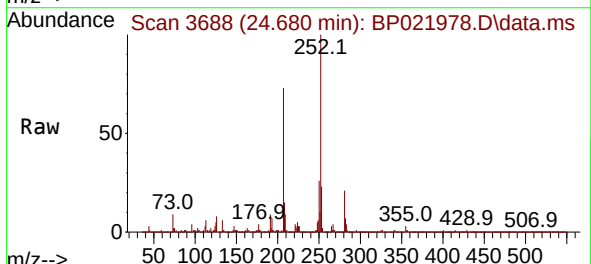
Manual Integrations
APPROVED

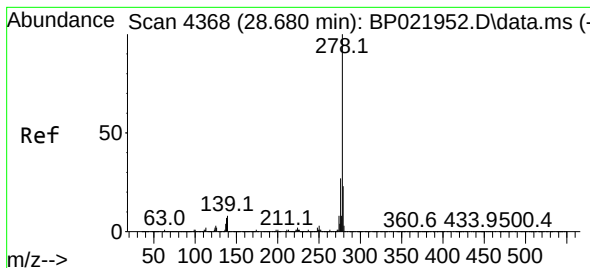
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#90
Benzo(a)pyrene
Concen: 3.210 ng
RT: 24.680 min Scan# 3688
Delta R.T. -0.024 min
Lab File: BP021978.D
Acq: 23 Sep 2024 11:50

Tgt Ion:252 Resp: 184610
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 5.2 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 3.545 ng

RT: 28.662 min Scan# 41

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

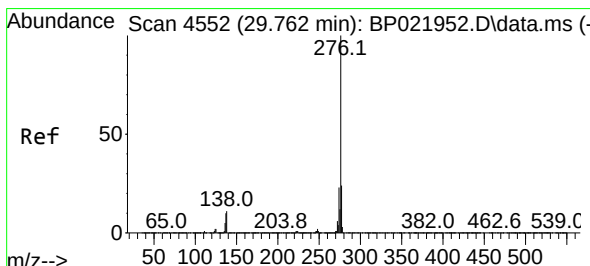
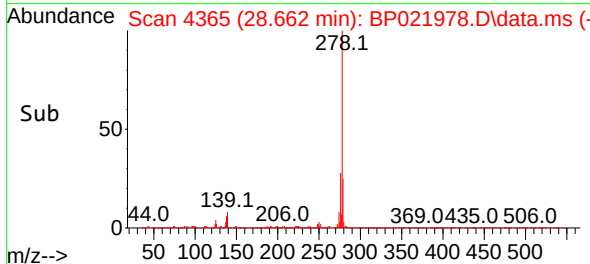
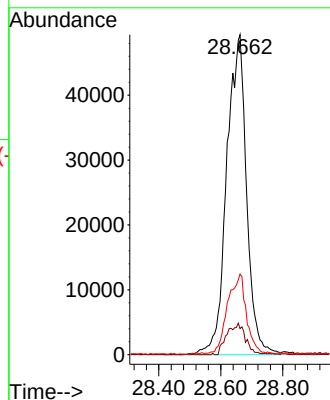
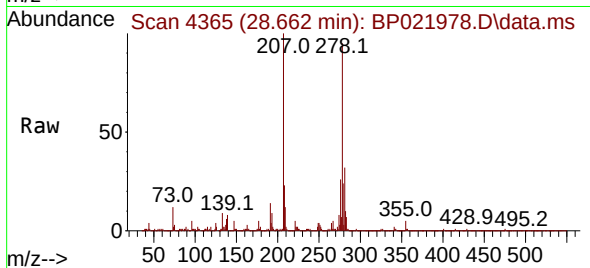
Tgt Ion:	278	Resp:	21965
Ion Ratio	Lower	Upper	
278	100		
139	8.2	6.6	10.0
279	25.2	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#92

Benzo(g,h,i)perylene

Concen: 3.347 ng

RT: 29.744 min Scan# 4549

Delta R.T. -0.018 min

Lab File: BP021978.D

Acq: 23 Sep 2024 11:50

Tgt Ion:	276	Resp:	212406
Ion Ratio	Lower	Upper	
276	100		
277	21.9	19.3	28.9
138	10.1	9.2	13.8

