

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111124\
 Data File : BP023010.D
 Acq On : 11 Nov 2024 12:14
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL 8 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024

Quant Time: Nov 11 12:38:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 23:36:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.587	152	54138	20.000	ng	0.00
21) Naphthalene-d8	10.340	136	199964	20.000	ng	0.00
39) Acenaphthene-d10	14.216	164	170406	20.000	ng	0.00
64) Phenanthrene-d10	17.016	188	447113	20.000	ng	0.00
76) Chrysene-d12	21.451	240	571926	20.000	ng	-0.01
86) Perylene-d12	24.686	264	685062	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.228	112	329840	115.624	ng	0.00
7) Phenol-d6	6.787	99	473202	118.945	ng	0.00
23) Nitrobenzene-d5	8.728	82	386591	91.337	ng	-0.01
42) 2,4,6-Tribromophenol	15.734	330	456262	138.135	ng	-0.01
45) 2-Fluorobiphenyl	12.816	172	1034515	86.744	ng	0.00
79) Terphenyl-d14	19.751	244	2672146	87.745	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.176	88	10448	9.173	ng	97
3) Pyridine	3.581	79	21518	6.881	ng	97
4) n-Nitrosodimethylamine	3.487	42	11921	7.908	ng	# 99
6) Aniline	6.940	93	33568	10.122	ng	96
8) 2-Chlorophenol	7.169	128	24110	8.063	ng	94
9) Benzaldehyde	6.758	77	24985	10.867	ng	94
10) Phenol	6.811	94	31854	8.085	ng	87
11) bis(2-Chloroethyl)ether	7.028	93	24767	8.320	ng	100
12) 1,3-Dichlorobenzene	7.481	146	29182	7.647	ng	98
13) 1,4-Dichlorobenzene	7.622	146	29534	7.579	ng	95
14) 1,2-Dichlorobenzene	7.934	146	29286	7.773	ng	98
15) Benzyl Alcohol	7.846	79	20861	6.923	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.093	45	28599	8.855	ng	97
17) 2-Methylphenol	8.040	107	21034	7.865	ng	99
18) Hexachloroethane	8.640	117	11270	7.818	ng	96
19) n-Nitroso-di-n-propyla...	8.381	70	22528	8.273	ng	# 96
20) 3+4-Methylphenols	8.375	107	28076	7.511	ng	91
22) Acetophenone	8.399	105	45226	8.497	ng	# 94
24) Nitrobenzene	8.769	77	36944	8.593	ng	99
25) Isophorone	9.299	82	58663	8.189	ng	98
26) 2-Nitrophenol	9.487	139	12990	7.357	ng	93
27) 2,4-Dimethylphenol	9.546	122	16435	8.152	ng	94
28) bis(2-Chloroethoxy)met...	9.769	93	33935	8.340	ng	98
29) 2,4-Dichlorophenol	10.040	162	26475	7.587	ng	95
30) 1,2,4-Trichlorobenzene	10.210	180	36394	8.158	ng	99
31) Naphthalene	10.393	128	81436	8.128	ng	99
32) Benzoic acid	9.669	122	14328	5.919	ng	89
33) 4-Chloroaniline	10.522	127	30612	8.584	ng	98
34) Hexachlorobutadiene	10.663	225	25971	7.937	ng	94
35) Caprolactam	11.299	113	8316m	7.960	ng	
36) 4-Chloro-3-methylphenol	11.652	107	29783	7.655	ng	96
37) 2-Methylnaphthalene	12.004	142	62198	8.289	ng	95
38) 1-Methylnaphthalene	12.222	142	57721	7.750	ng	96
40) 1,2,4,5-Tetrachloroben...	12.381	216	47405	8.217	ng	98
41) Hexachlorocyclopentadiene	12.346	237	12900	7.962	ng	95
43) 2,4,6-Trichlorophenol	12.640	196	26536	7.232	ng	98

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Instrument :
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 ClientSampleId :
 MDL-SOIL-03-QT4-2024

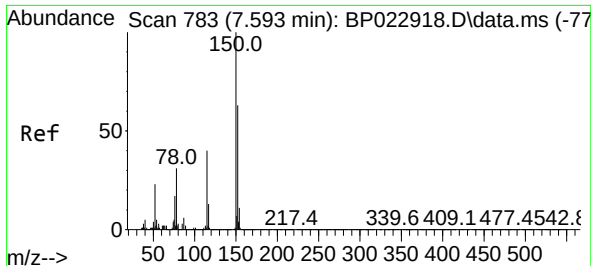
Quant Time: Nov 11 12:38:30 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.734	196	30255	7.244	ng	97
46) 1,1'-Biphenyl	13.028	154	96376	8.508	ng	99
47) 2-Chloronaphthalene	13.069	162	74356	7.910	ng	97
48) 2-Nitroaniline	13.299	65	20312	7.416	ng	88
49) Acenaphthylene	13.934	152	112028	8.533	ng	99
50) Dimethylphthalate	13.657	163	100352	8.043	ng	99
51) 2,6-Dinitrotoluene	13.799	165	21296	7.507	ng	# 86
52) Acenaphthene	14.275	154	66331	7.857	ng	98
53) 3-Nitroaniline	14.151	138	17599	7.635	ng	# 96
54) 2,4-Dinitrophenol	14.369	184	10479m	5.953	ng	
55) Dibenzofuran	14.622	168	123445	8.326	ng	97
56) 4-Nitrophenol	14.528	139	10562	5.572	ng	91
57) 2,4-Dinitrotoluene	14.616	165	29715	7.245	ng	# 93
58) Fluorene	15.287	166	98279	7.979	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.875	232	33459	8.306	ng	99
60) Diethylphthalate	15.046	149	101796	8.204	ng	98
61) 4-Chlorophenyl-phenyle...	15.281	204	59972	8.261	ng	97
62) 4-Nitroaniline	15.334	138	16326	6.903	ng	94
63) Azobenzene	15.575	77	90472	8.479	ng	94
65) 4,6-Dinitro-2-methylph...	15.398	198	18643	6.854	ng	98
66) n-Nitrosodiphenylamine	15.493	169	88116	7.972	ng	98
67) 4-Bromophenyl-phenylether	16.181	248	42018	7.835	ng	90
68) Hexachlorobenzene	16.310	284	53902	7.847	ng	97
69) Atrazine	16.475	200	38917	10.445	ng	99
70) Pentachlorophenol	16.687	266	27949	6.371	ng	96
71) Phenanthrene	17.063	178	180294	8.332	ng	100
72) Anthracene	17.157	178	174571	8.406	ng	99
73) Carbazole	17.451	167	158271	7.980	ng	99
74) Di-n-butylphthalate	18.022	149	169967	7.689	ng	99
75) Fluoranthene	19.151	202	239341	7.974	ng	98
77) Benzidine	19.357	184	98379	8.706	ng	98
78) Pyrene	19.534	202	252860	7.469	ng	99
80) Butylbenzylphthalate	20.486	149	81568	7.067	ng	96
81) Benzo(a)anthracene	21.433	228	292882	8.229	ng	99
82) 3,3'-Dichlorobenzidine	21.357	252	107137	7.436	ng	97
83) Chrysene	21.498	228	278603	8.357	ng	99
84) Bis(2-ethylhexyl)phtha...	21.357	149	119534	7.216	ng	97
85) Di-n-octyl phthalate	22.580	149	203855	7.364	ng	99
87) Indeno(1,2,3-cd)pyrene	28.345	276	390290	8.447	ng	99
88) Benzo(b)fluoranthene	23.657	252	321968	8.000	ng	99
89) Benzo(k)fluoranthene	23.727	252	319276	8.401	ng	98
90) Benzo(a)pyrene	24.527	252	293801	8.531	ng	98
91) Dibenzo(a,h)anthracene	28.398	278	323650	8.542	ng	99
92) Benzo(g,h,i)perylene	29.492	276	294534	7.586	ng	97

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



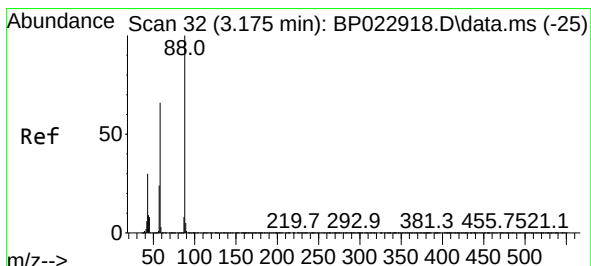
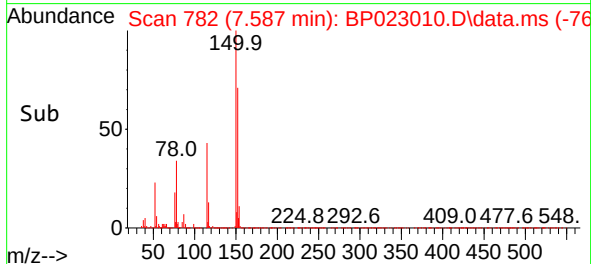
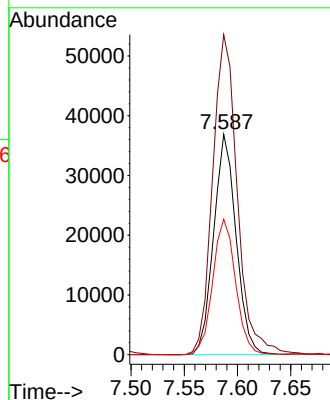
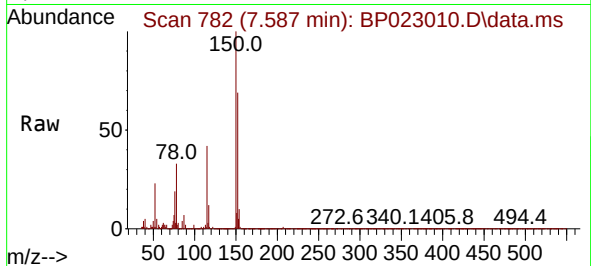
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.587 min Scan# 7
 Delta R.T. -0.006 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Tgt Ion: 152 Resp: 54138
 Ion Ratio Lower Upper
 152 100
 150 145.2 127.0 190.4
 115 61.5 50.5 75.7

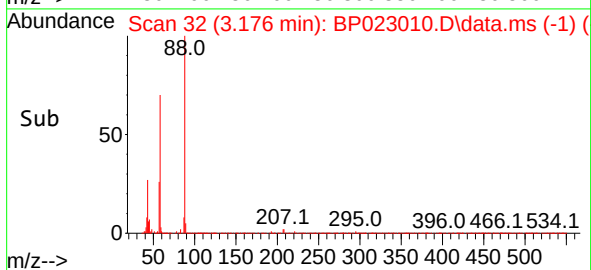
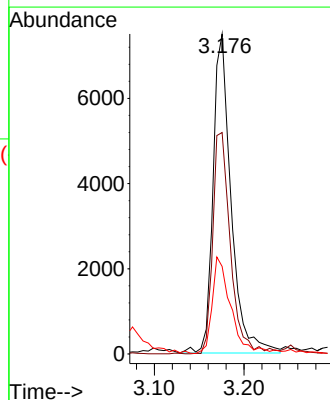
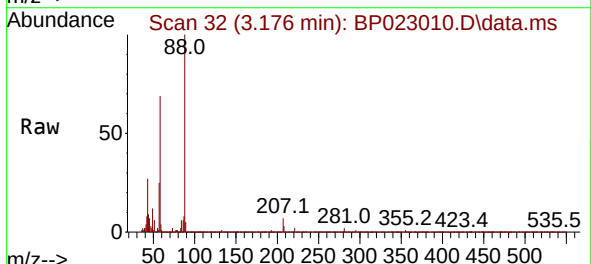
Manual Integrations
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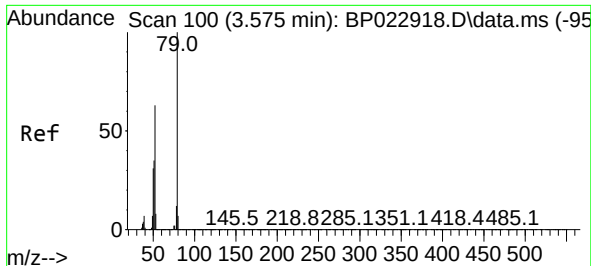
Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024



#2
 1,4-Dioxane
 Concen: 9.173 ng
 RT: 3.176 min Scan# 32
 Delta R.T. 0.000 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Tgt Ion: 88 Resp: 10448
 Ion Ratio Lower Upper
 88 100
 58 68.5 52.8 79.2
 43 31.4 23.4 35.0





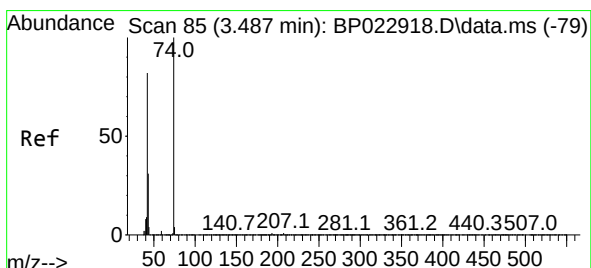
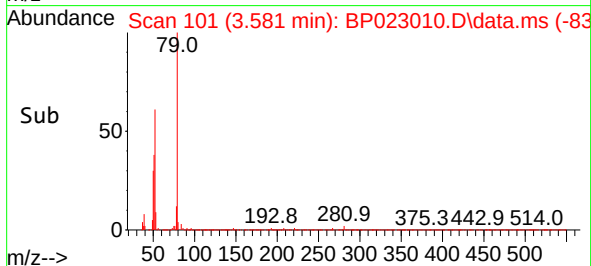
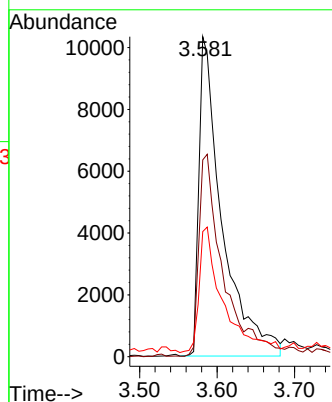
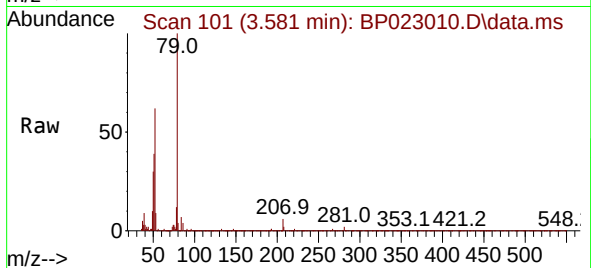
#3
Pyridine
Concen: 6.881 ng
RT: 3.581 min Scan# 100
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 79 Resp: 21518
Ion Ratio Lower Upper
79 100
52 61.5 50.4 75.6
51 39.1 28.6 43.0

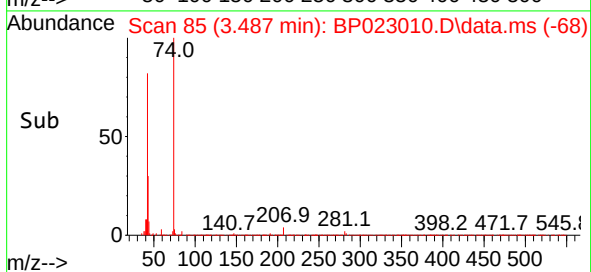
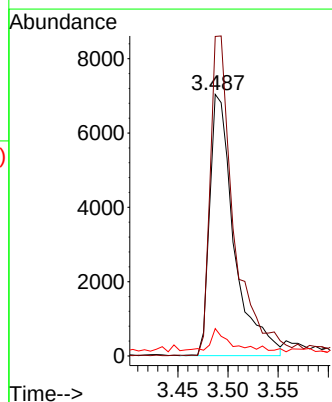
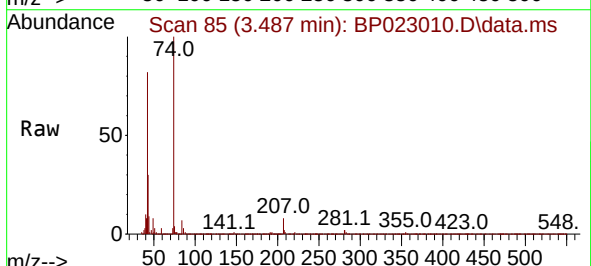
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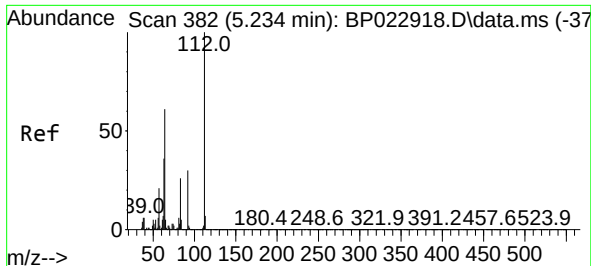
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#4
n-Nitrosodimethylamine
Concen: 7.908 ng
RT: 3.487 min Scan# 85
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

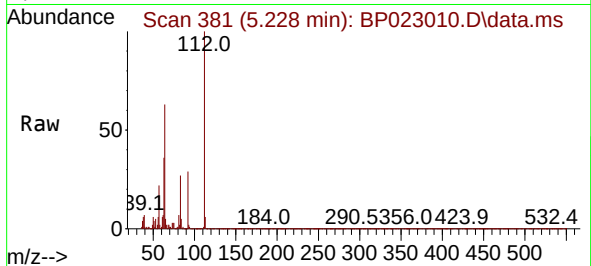
Tgt Ion: 42 Resp: 11921
Ion Ratio Lower Upper
42 100
74 122.2 97.7 146.5
44 10.5 4.5 6.7





#5
2-Fluorophenol
Concen: 115.624 ng
RT: 5.228 min Scan# 381
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

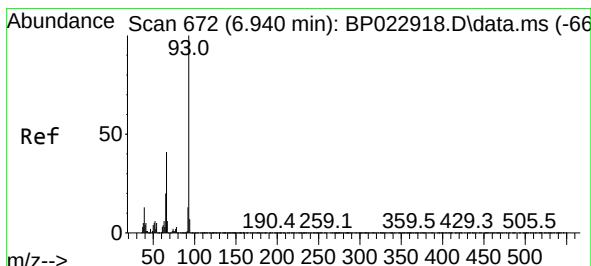
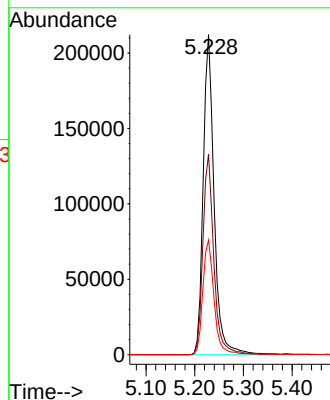
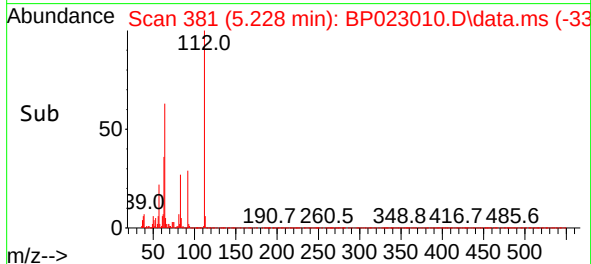
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:112 Resp: 329840
Ion Ratio Lower Upper
112 100
64 62.6 48.7 73.1
63 35.8 29.0 43.4

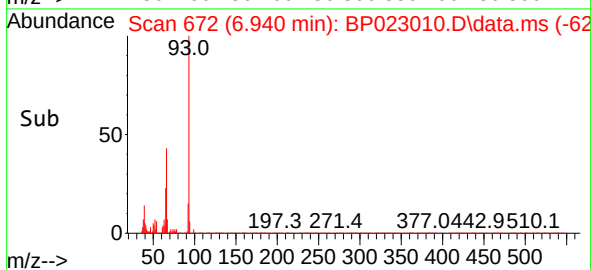
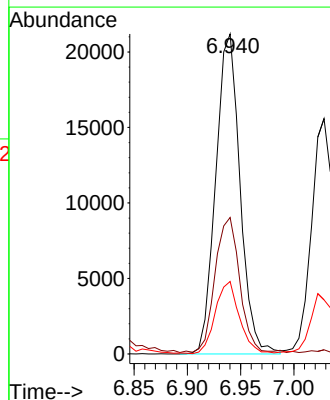
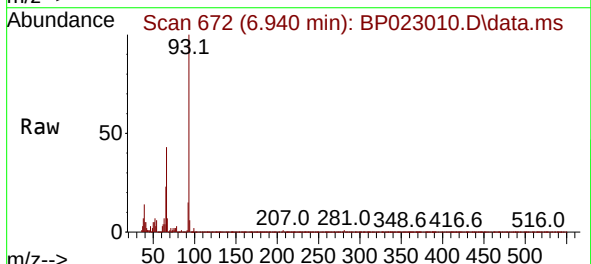
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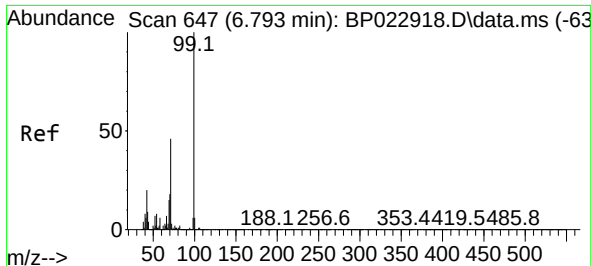
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#6
Aniline
Concen: 10.122 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

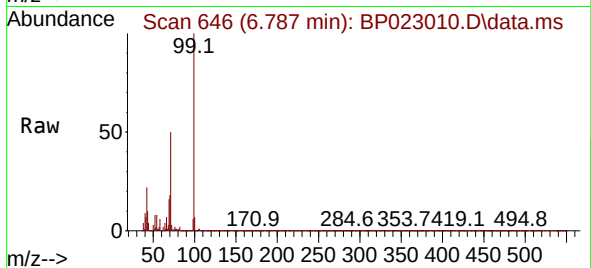
Tgt Ion: 93 Resp: 33568
Ion Ratio Lower Upper
93 100
66 42.7 32.9 49.3
65 22.6 16.0 24.0





#7
Phenol-d6
Concen: 118.945 ng
RT: 6.787 min Scan# 647
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

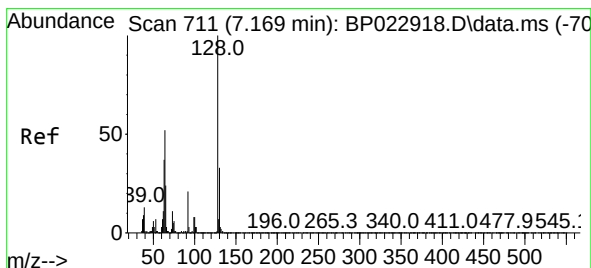
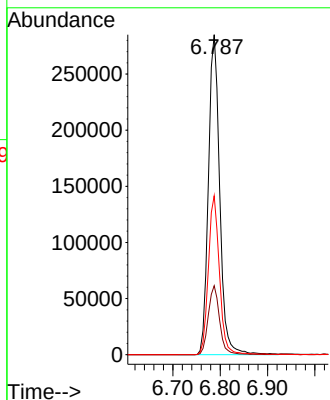
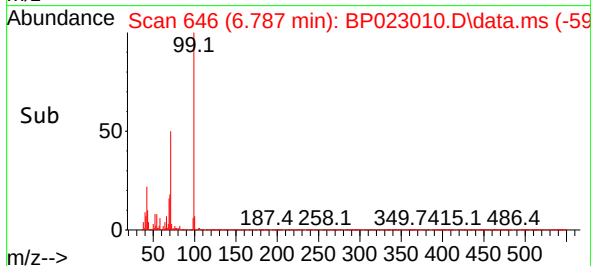
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 99 Resp: 47320
Ion Ratio Lower Upper
99 100
42 21.5 15.8 23.6
71 49.7 36.6 55.0

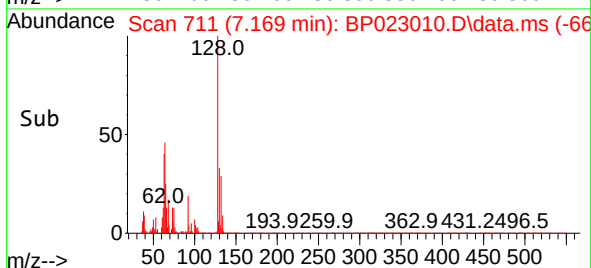
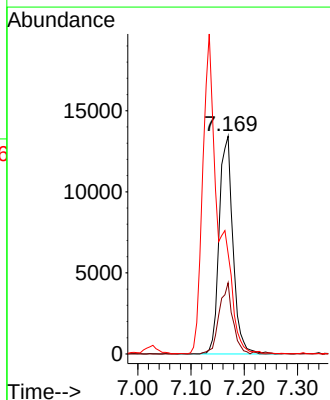
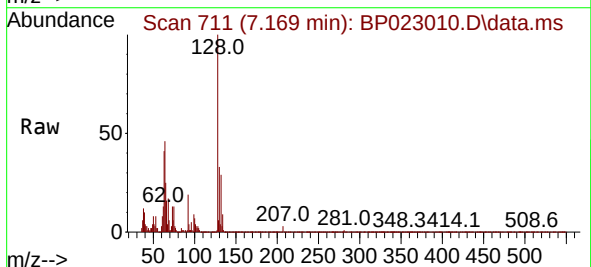
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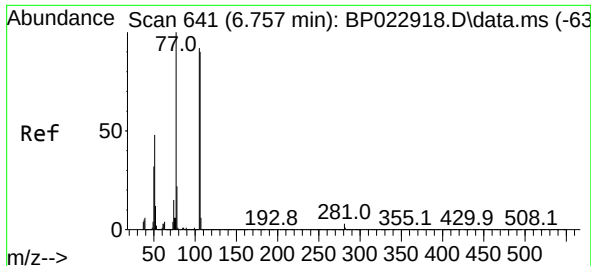
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#8
2-Chlorophenol
Concen: 8.063 ng
RT: 7.169 min Scan# 711
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

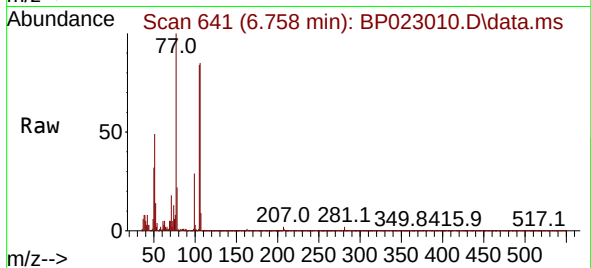
Tgt Ion:128 Resp: 24110
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 46.1 32.7 72.7





#9
Benzaldehyde
Concen: 10.867 ng
RT: 6.758 min Scan# 641
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

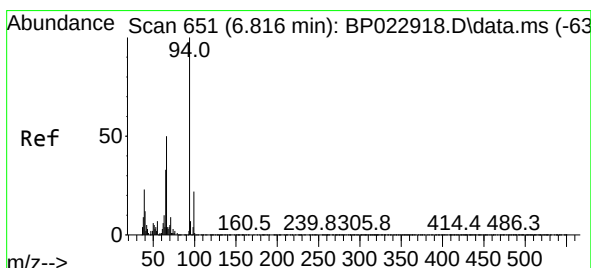
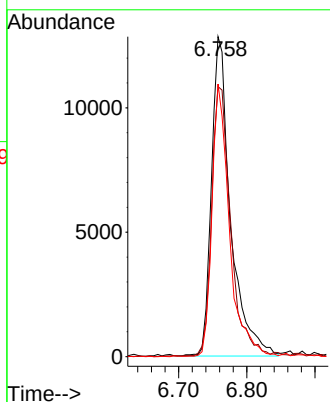
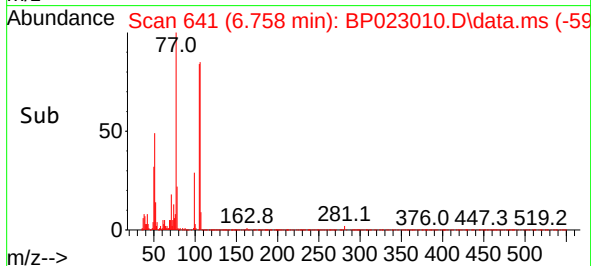
Instrument :
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MDL-SOIL-03-QT4-2024



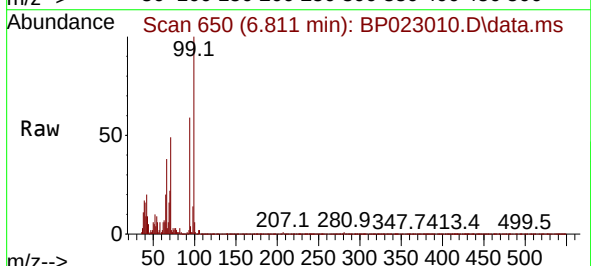
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Ion Ratio Lower Upper
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Manual Integrations
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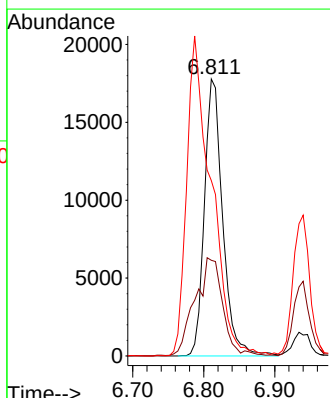
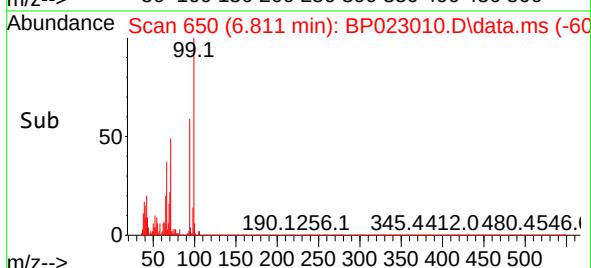
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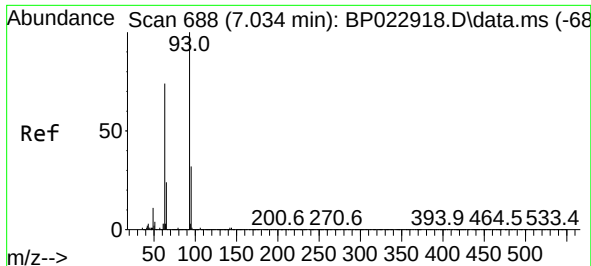


#10
Phenol
Concen: 8.085 ng
RT: 6.811 min Scan# 650
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



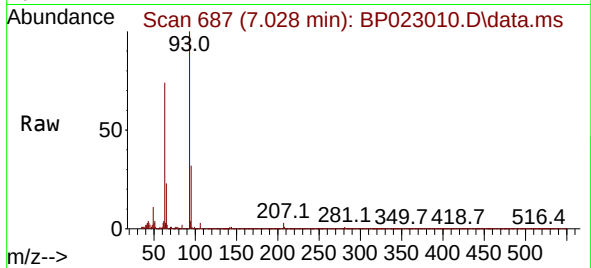
Tgt Ion: 94 Resp: 31854
Ion Ratio Lower Upper
94 100
65 34.5 12.9 52.9
66 63.3 30.0 70.0





#11
bis(2-Chloroethyl)ether
Concen: 8.320 ng
RT: 7.028 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

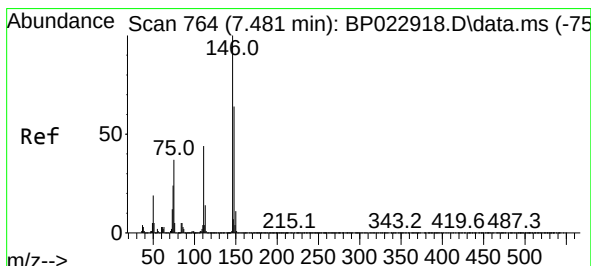
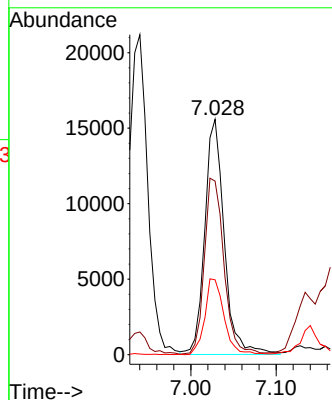
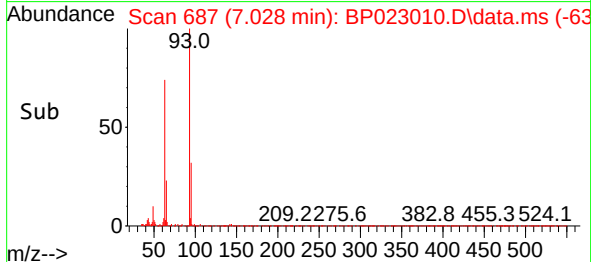
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 93 Resp: 2476
Ion Ratio Lower Upper
93 100
63 73.8 53.6 93.6
95 31.8 12.1 52.1

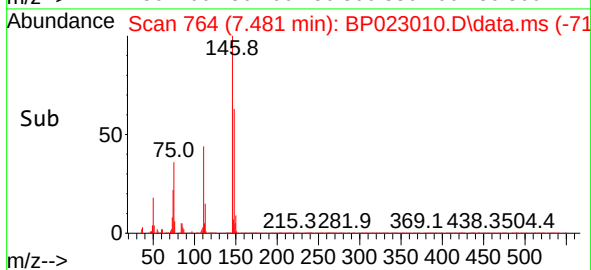
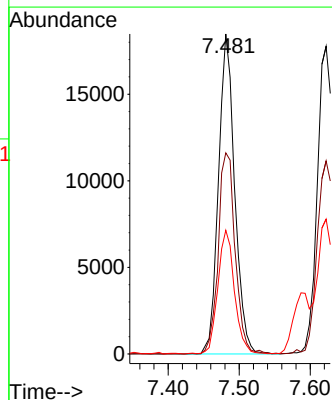
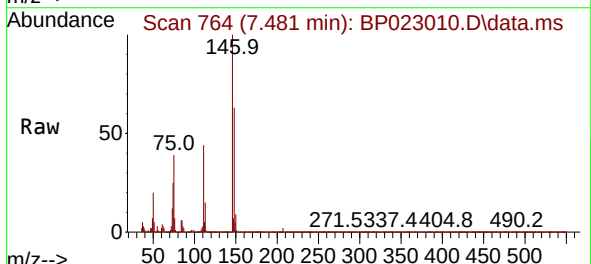
Manual Integrations
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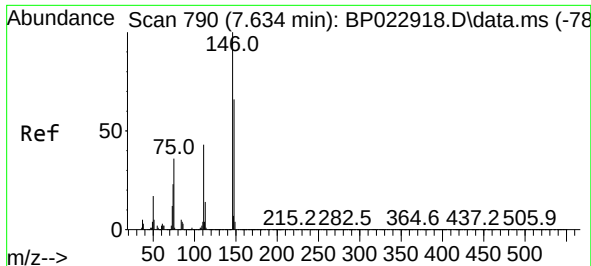
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#12
1,3-Dichlorobenzene
Concen: 7.647 ng
RT: 7.481 min Scan# 764
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:146 Resp: 29182
Ion Ratio Lower Upper
146 100
148 62.8 51.4 77.0
75 38.7 29.3 43.9





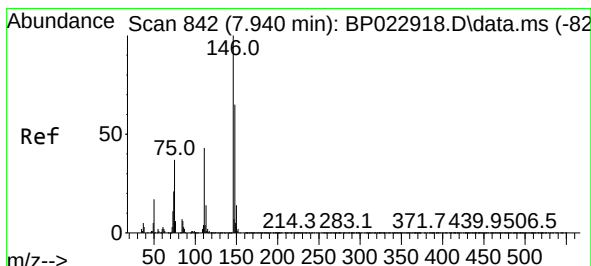
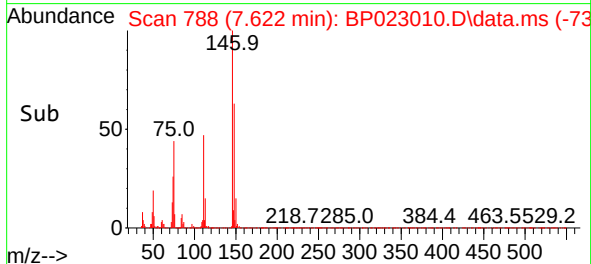
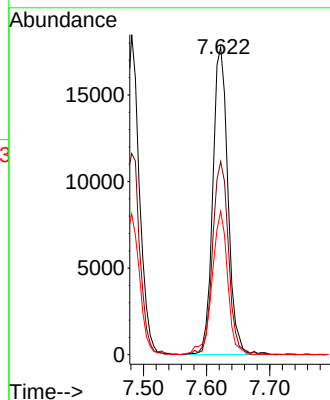
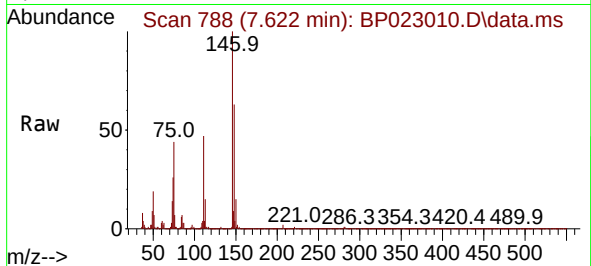
#13
1,4-Dichlorobenzene
Concen: 7.579 ng
RT: 7.622 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:146 Resp: 29534
Ion Ratio Lower Upper
146 100
148 62.8 53.2 79.8
111 46.6 35.0 52.4

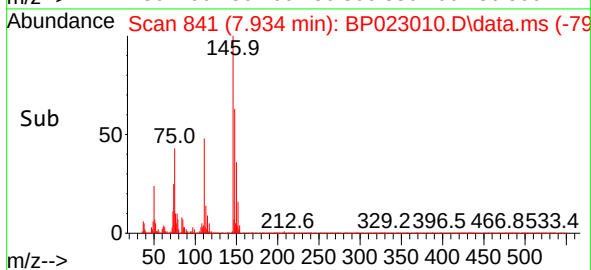
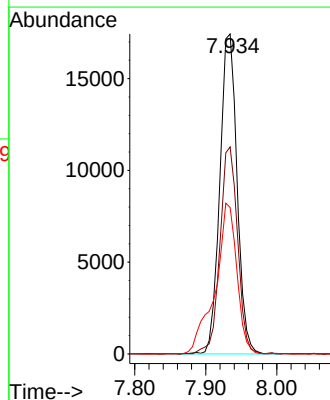
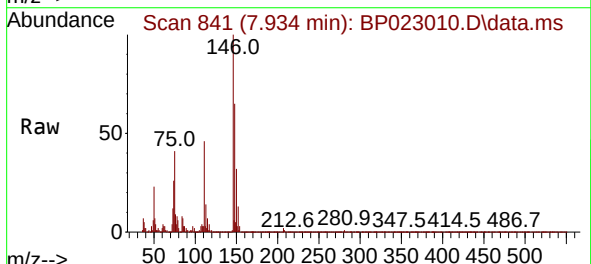
Manual Integrations
APPROVED

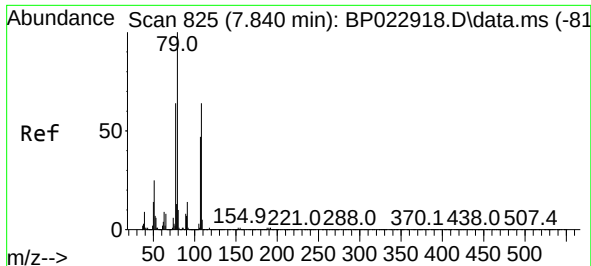
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#14
1,2-Dichlorobenzene
Concen: 7.773 ng
RT: 7.934 min Scan# 841
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:146 Resp: 29286
Ion Ratio Lower Upper
146 100
148 64.7 52.4 78.6
111 45.8 34.2 51.4





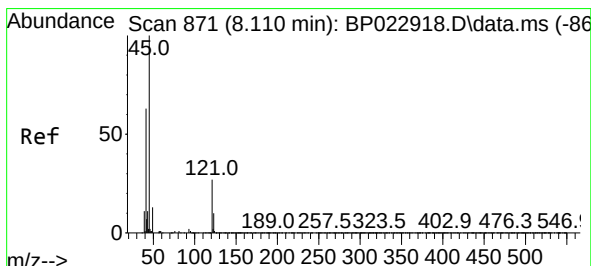
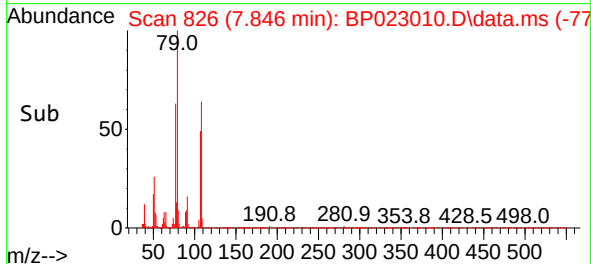
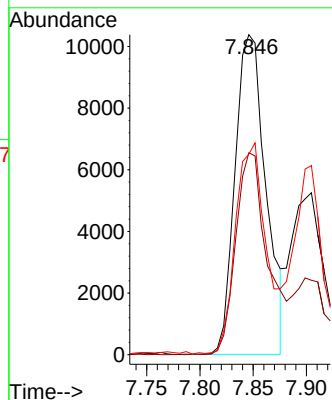
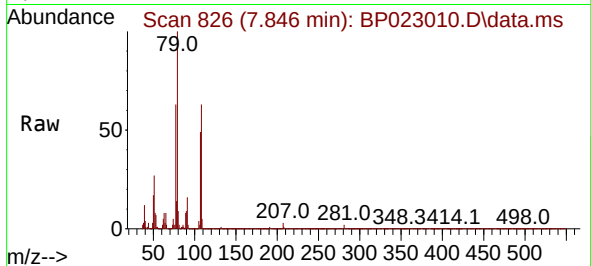
#15
Benzyl Alcohol
Concen: 6.923 ng
RT: 7.846 min Scan# 81
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 79 Resp: 2086
Ion Ratio Lower Upper
79 100
108 63.1 51.2 76.8
77 62.7 51.3 76.9

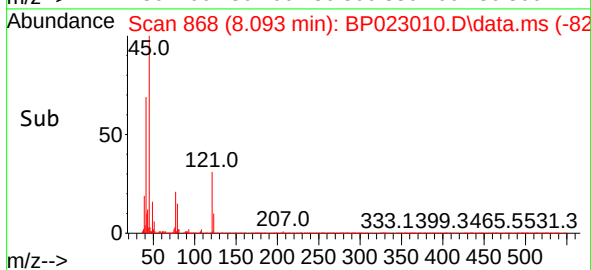
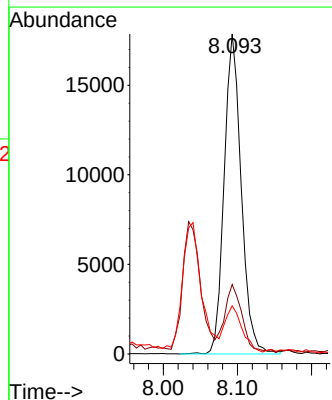
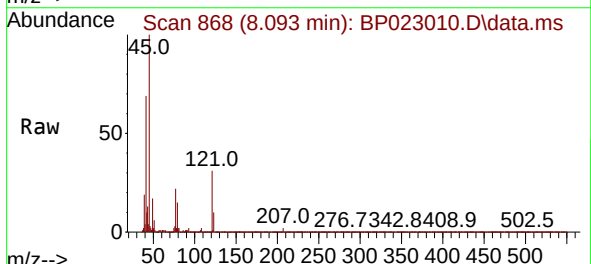
Manual Integrations
APPROVED

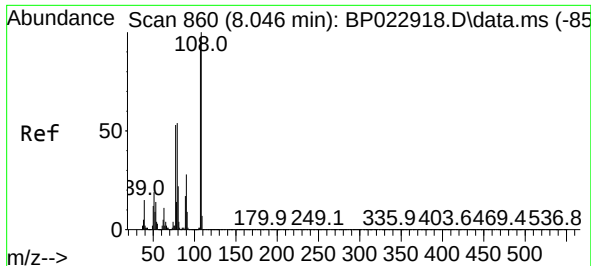
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.855 ng
RT: 8.093 min Scan# 868
Delta R.T. -0.017 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion: 45 Resp: 28599
Ion Ratio Lower Upper
45 100
77 21.7 0.0 39.5
79 15.0 0.0 34.9





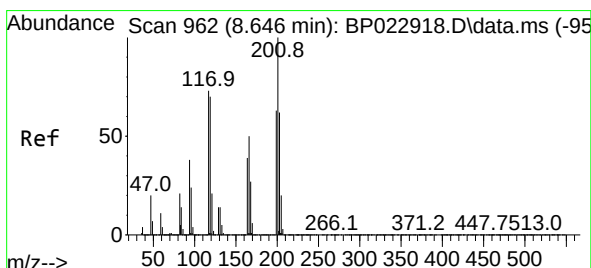
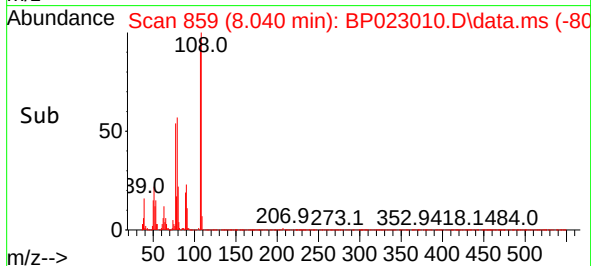
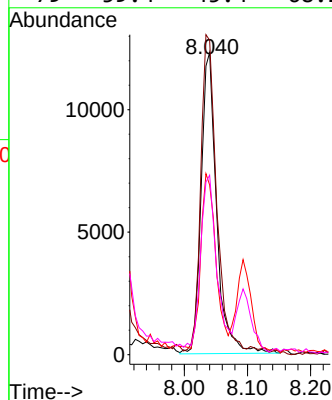
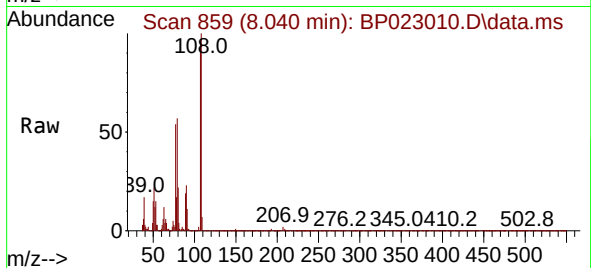
#17
2-Methylphenol
Concen: 7.865 ng
RT: 8.040 min Scan# 810
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:107	Resp: 21034
Ion Ratio	Lower Upper
107 100	
108 104.0	83.7 125.5
77 56.2	45.0 67.4
79 59.4	45.4 68.2

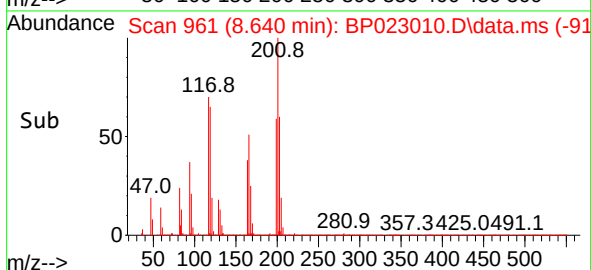
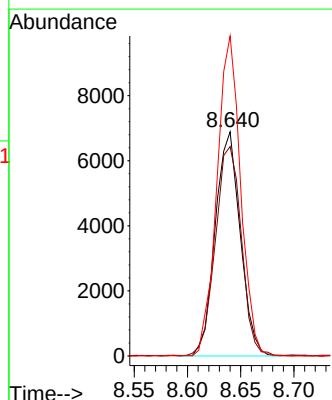
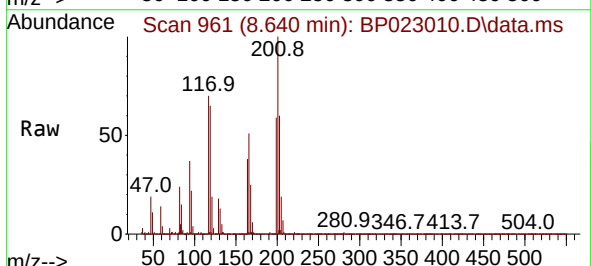
Manual Integrations
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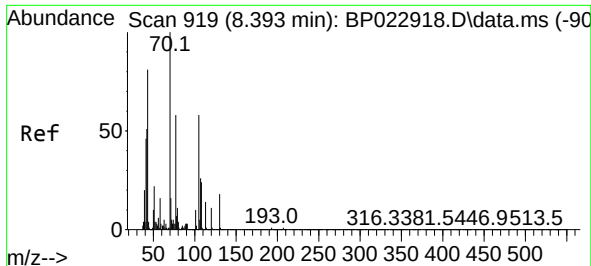
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#18
Hexachloroethane
Concen: 7.818 ng
RT: 8.640 min Scan# 961
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

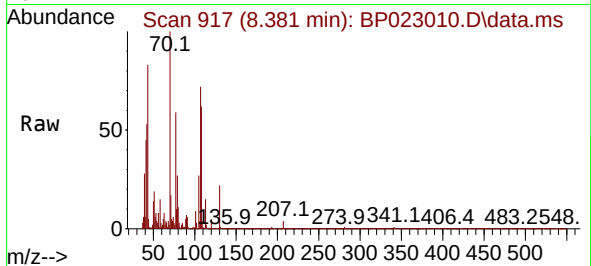
Tgt Ion:117	Resp: 11270
Ion Ratio	Lower Upper
117 100	
119 93.4	76.7 115.1
201 142.7	110.0 165.0





#19
n-Nitroso-di-n-propylamine
Concen: 8.273 ng
RT: 8.381 min Scan# 917
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

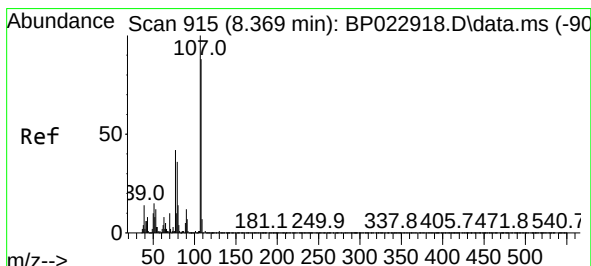
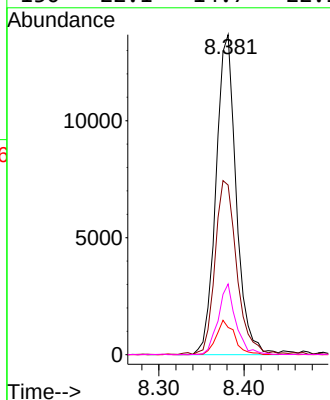
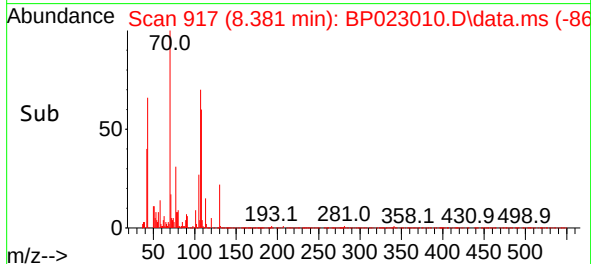
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



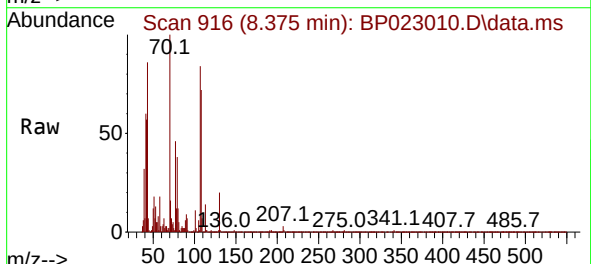
Tgt Ion: 70 Resp: 22528
Ion Ratio Lower Upper
70 100
42 53.0 41.0 61.6
101 8.5 7.8 11.6
130 22.1 14.7 22.1#

Manual Integrations
APPROVED

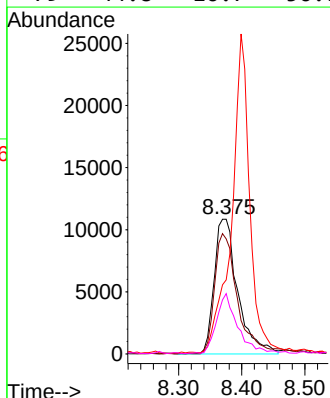
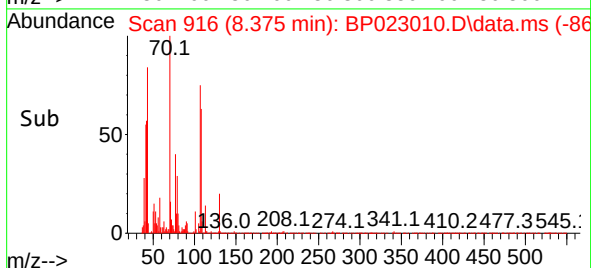
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

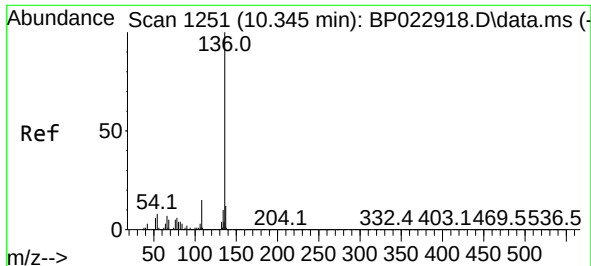


#20
3+4-Methylphenols
Concen: 7.511 ng
RT: 8.375 min Scan# 916
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



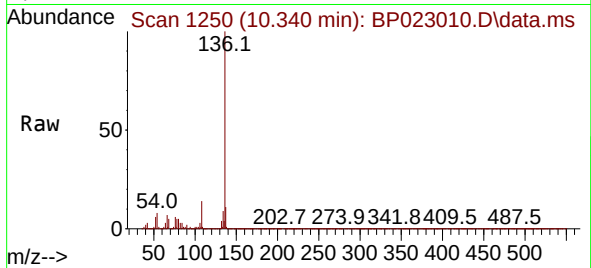
Tgt Ion:107 Resp: 28076
Ion Ratio Lower Upper
107 100
108 85.4 67.6 107.6
77 55.0 22.6 62.6
79 44.8 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.340 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

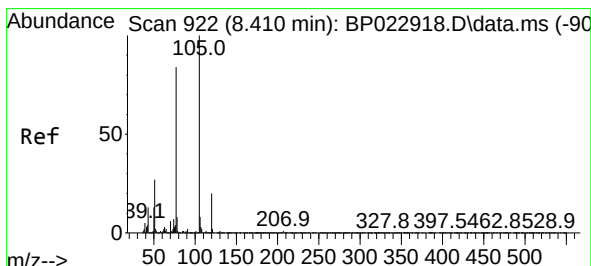
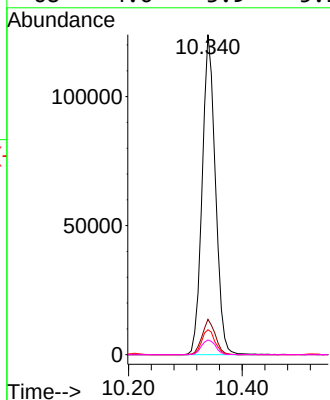
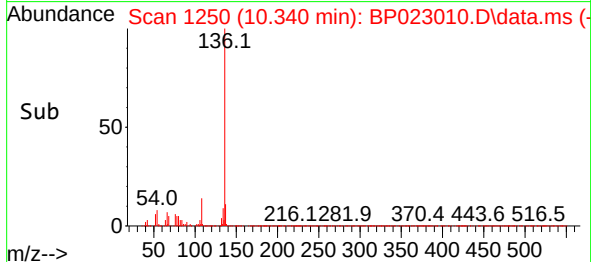
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:	136	Resp:	199964
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.4	14.0
54	7.8	6.4	9.6
68	4.6	3.9	5.9

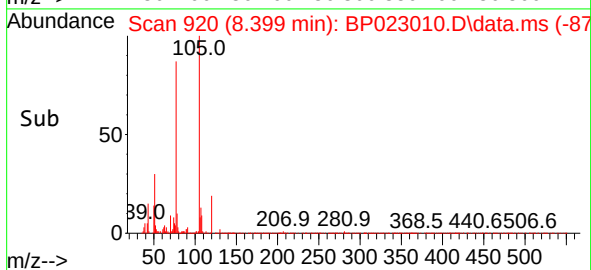
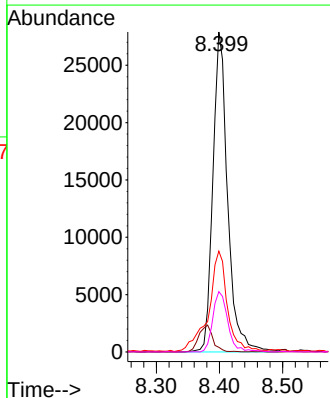
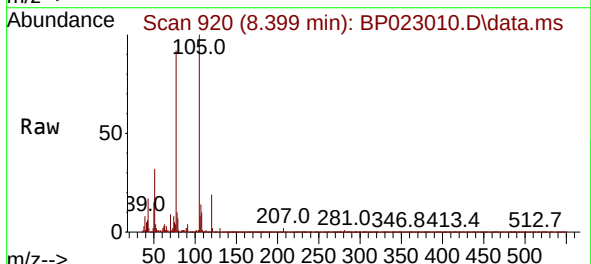
Manual Integrations
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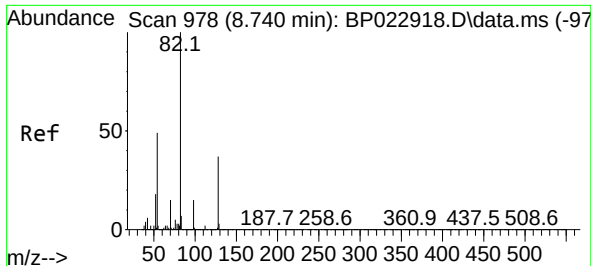
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#22
Acetophenone
Concen: 8.497 ng
RT: 8.399 min Scan# 920
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

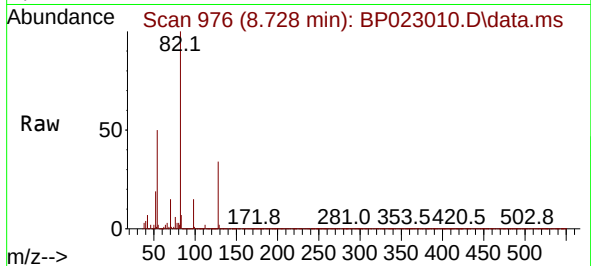
Tgt Ion:	105	Resp:	45226
Ion Ratio	Lower	Upper	
105	100		
71	1.5	0.7	1.1#
51	31.5	21.7	32.5
120	18.9	16.4	24.6





#23
Nitrobenzene-d5
Concen: 91.337 ng
RT: 8.728 min Scan# 91
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

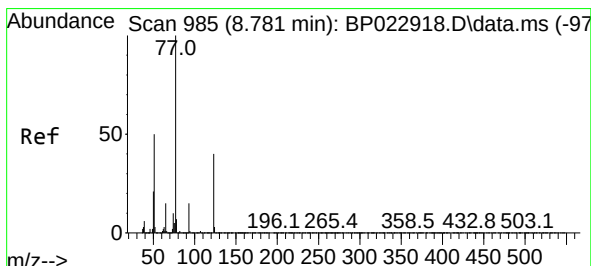
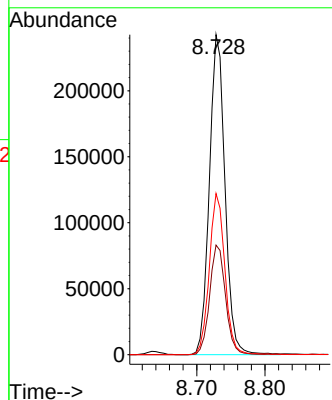
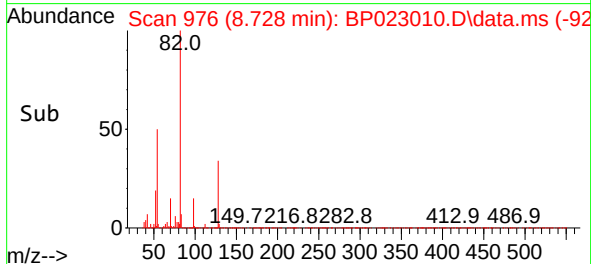
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 38659
Ion Ratio Lower Upper
82 100
128 34.3 29.8 44.8
54 50.3 39.0 58.4

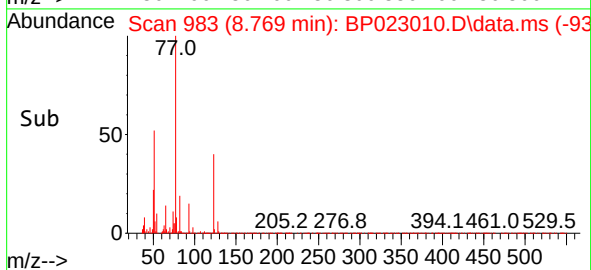
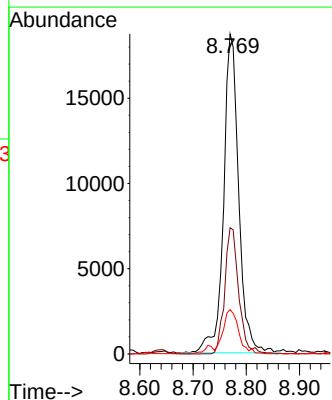
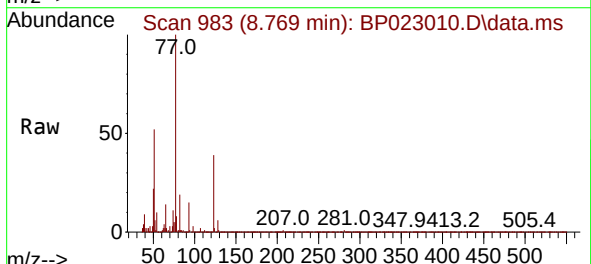
Manual Integrations
APPROVED

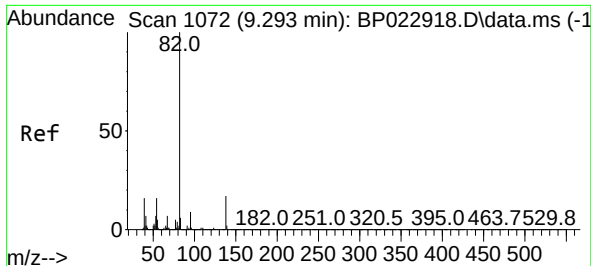
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#24
Nitrobenzene
Concen: 8.593 ng
RT: 8.769 min Scan# 983
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

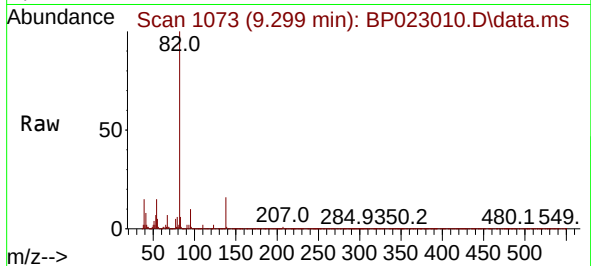
Tgt Ion: 77 Resp: 36944
Ion Ratio Lower Upper
77 100
123 39.5 32.2 48.4
65 13.8 11.7 17.5





#25
Isophorone
Concen: 8.189 ng
RT: 9.299 min Scan# 1073
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

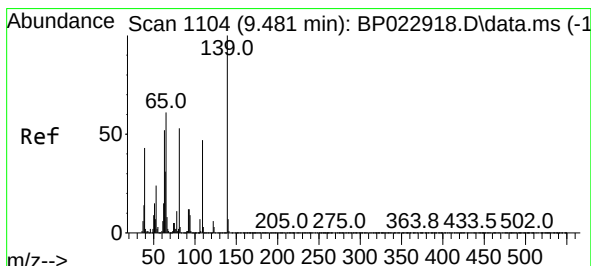
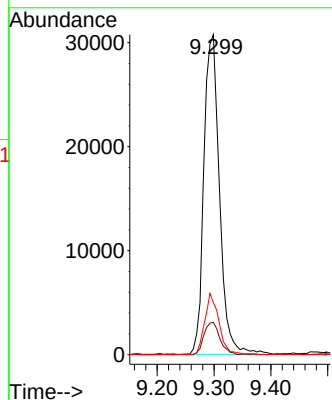
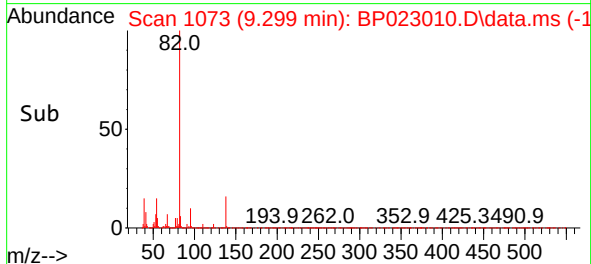
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 5866
Ion Ratio Lower Upper
82 100
95 10.1 7.4 11.2
138 16.3 13.7 20.5

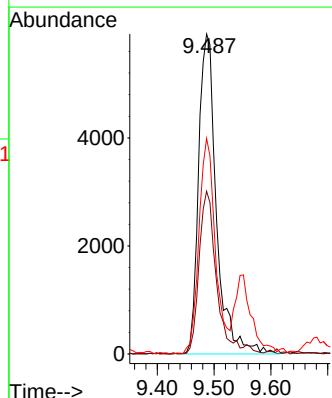
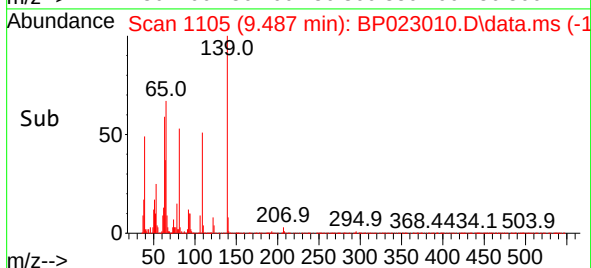
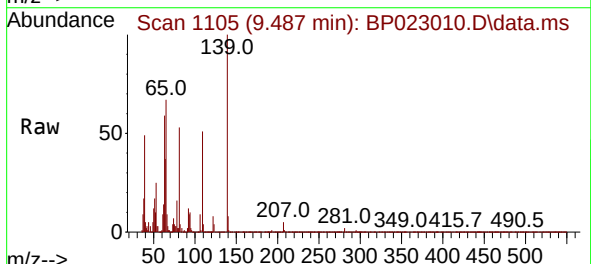
Manual Integrations
APPROVED

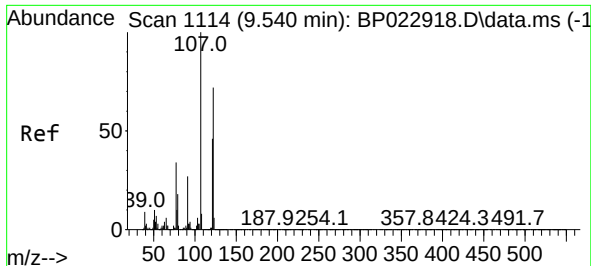
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#26
2-Nitrophenol
Concen: 7.357 ng
RT: 9.487 min Scan# 1105
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

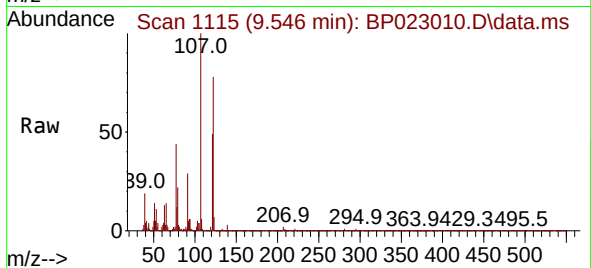
Tgt Ion:139 Resp: 12990
Ion Ratio Lower Upper
139 100
109 50.8 37.8 56.8
65 67.4 48.6 73.0





#27
2,4-Dimethylphenol
Concen: 8.152 ng
RT: 9.546 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

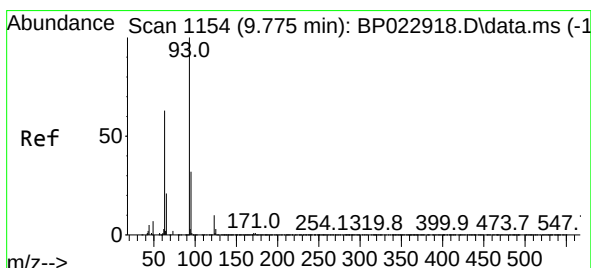
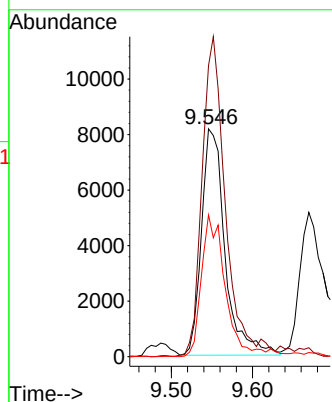
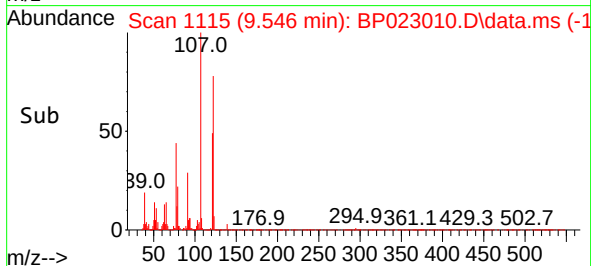
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 122 Resp: 16435
Ion Ratio Lower Upper
122 100
107 127.7 109.8 164.6
121 62.2 50.5 75.7

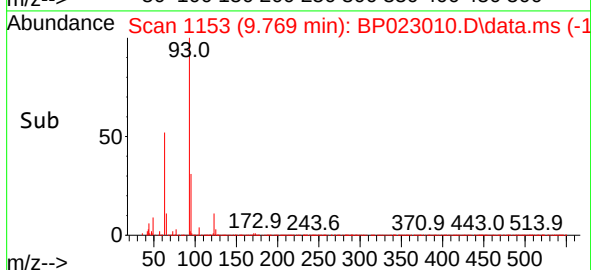
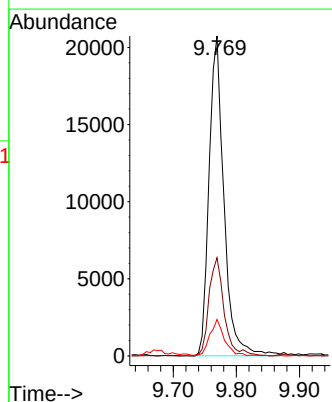
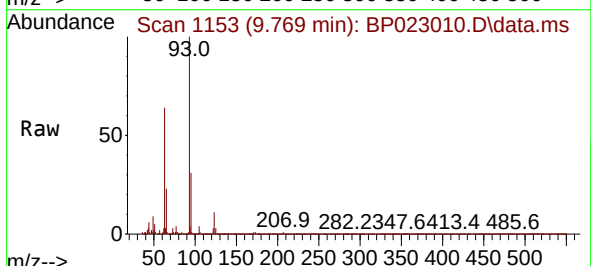
Manual Integrations
APPROVED

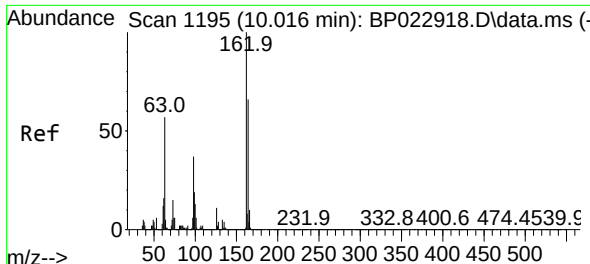
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#28
bis(2-Chloroethoxy)methane
Concen: 8.340 ng
RT: 9.769 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion: 93 Resp: 33935
Ion Ratio Lower Upper
93 100
95 30.7 25.4 38.2
123 11.4 8.6 13.0





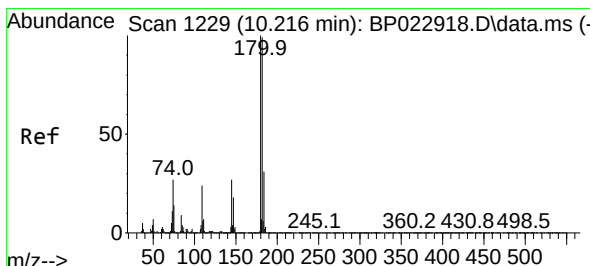
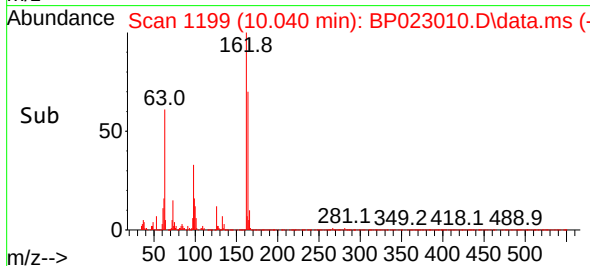
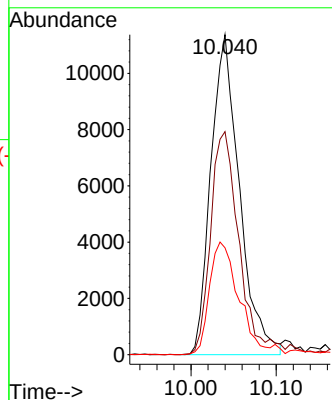
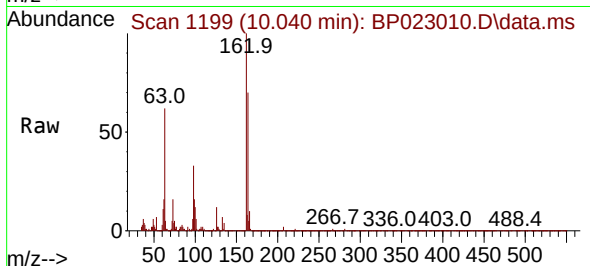
#29
2,4-Dichlorophenol
Concen: 7.587 ng
RT: 10.040 min Scan# 1199
Delta R.T. 0.024 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:162 Resp: 26475
Ion Ratio Lower Upper
162 100
164 69.7 46.0 86.0
98 33.4 16.7 56.7

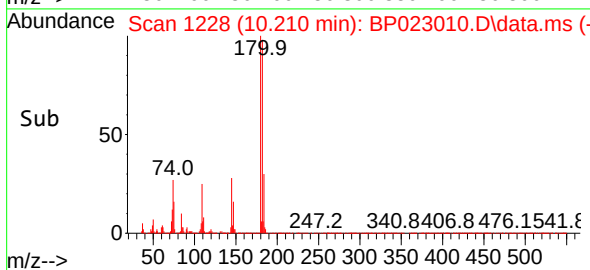
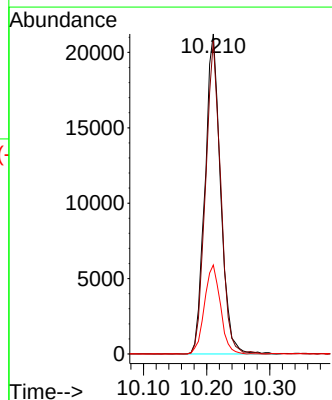
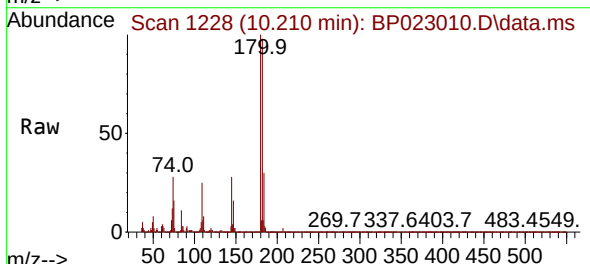
Manual Integrations
APPROVED

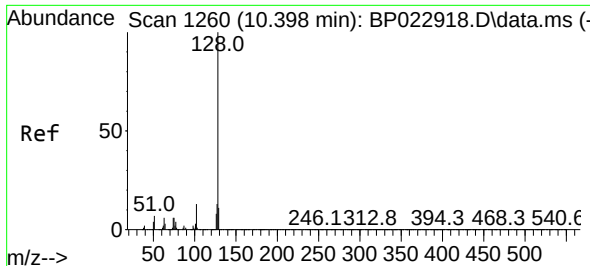
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#30
1,2,4-Trichlorobenzene
Concen: 8.158 ng
RT: 10.210 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:180 Resp: 36394
Ion Ratio Lower Upper
180 100
182 97.9 79.4 119.2
145 27.8 21.6 32.4





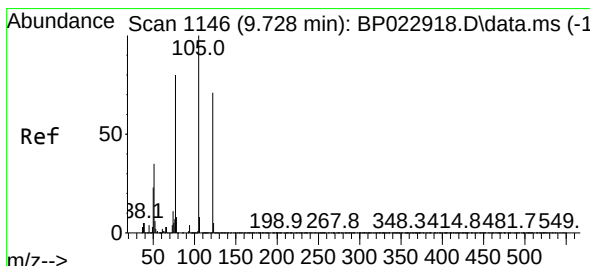
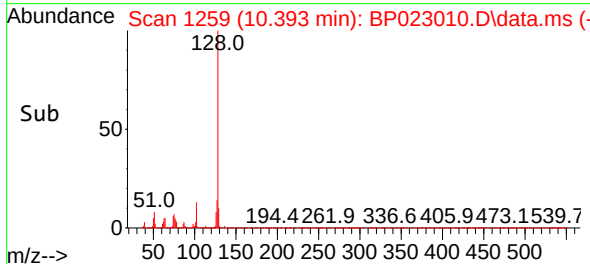
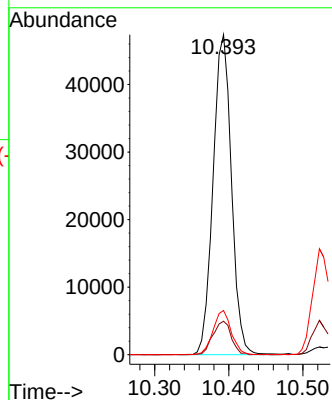
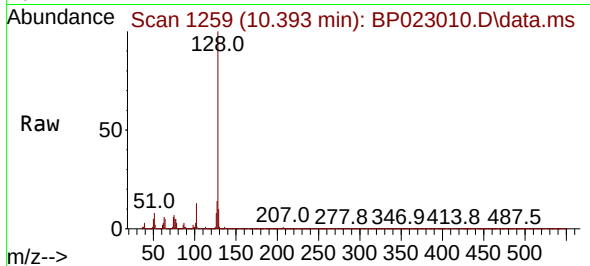
#31
Naphthalene
Concen: 8.128 ng
RT: 10.393 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:128 Resp: 81436
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 13.8 10.6 16.0

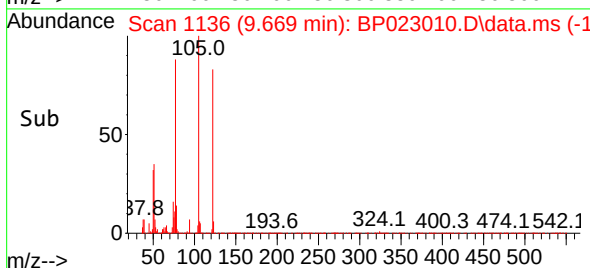
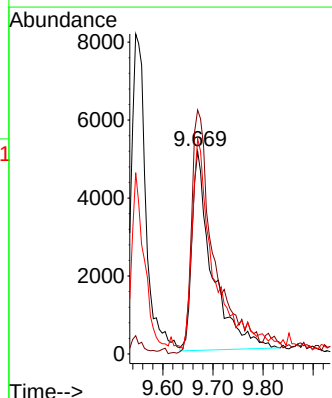
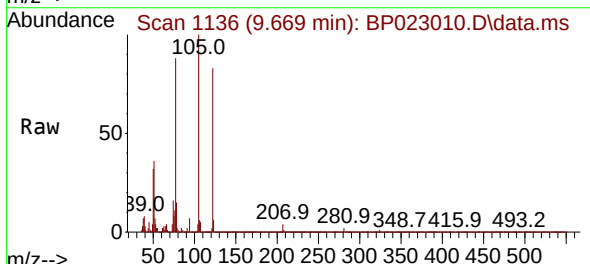
Manual Integrations
APPROVED

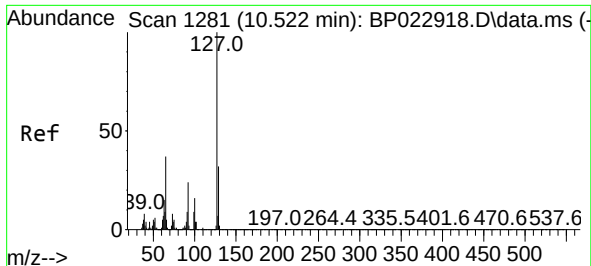
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#32
Benzoic acid
Concen: 5.919 ng
RT: 9.669 min Scan# 1136
Delta R.T. -0.059 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

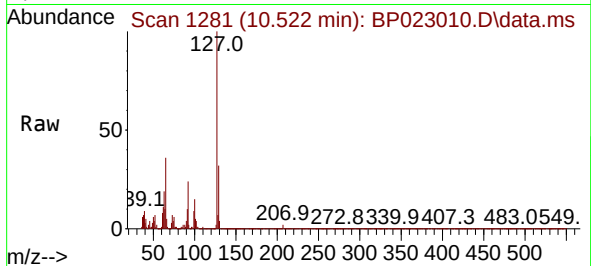
Tgt Ion:122 Resp: 14328
Ion Ratio Lower Upper
122 100
105 120.4 119.9 159.9
77 106.3 92.2 132.2





#33
4-Chloroaniline
Concen: 8.584 ng
RT: 10.522 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

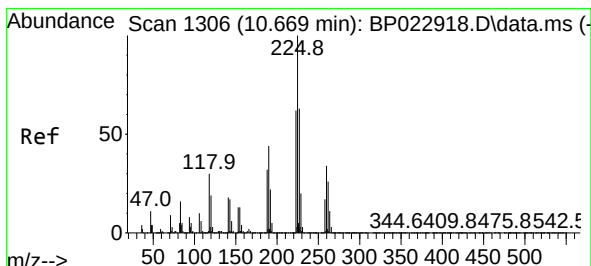
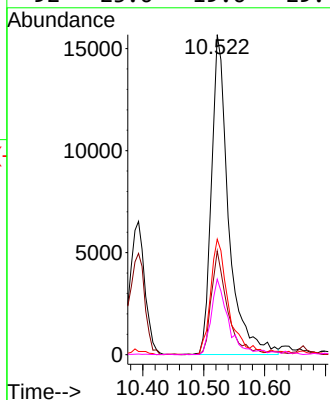
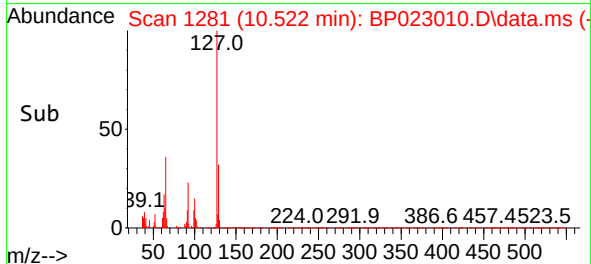
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



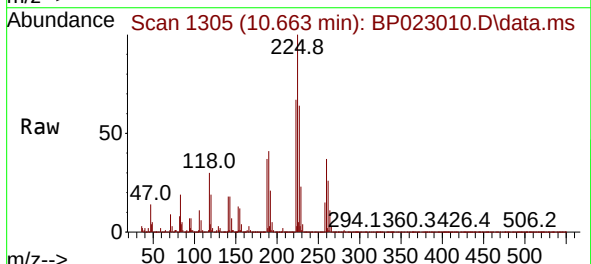
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.2	37.8
65	36.1	29.7	44.5
92	23.6	19.6	29.4

Manual Integrations
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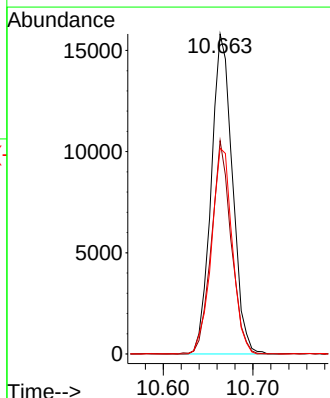
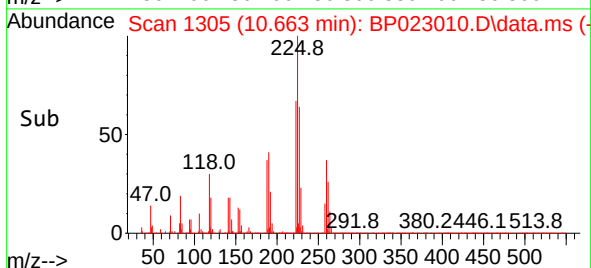
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

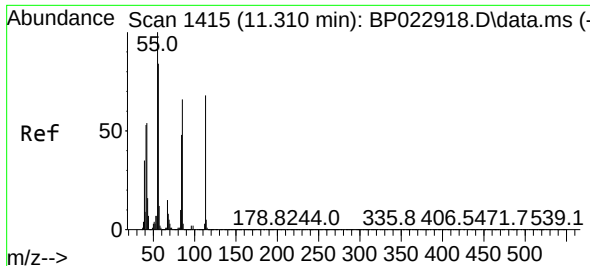


#34
Hexachlorobutadiene
Concen: 7.937 ng
RT: 10.663 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



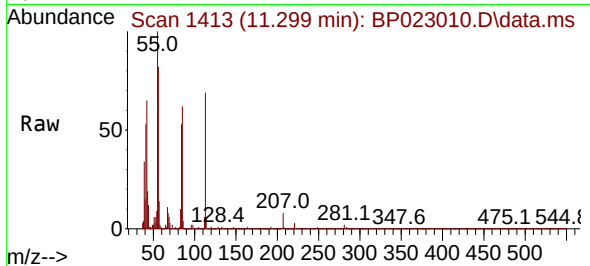
Tgt Ion	Ratio	Lower	Upper
225	100		
223	70.1	49.8	74.6
227	64.3	50.5	75.7





#35
Caprolactam
Concen: 7.960 ng m
RT: 11.299 min Scan# 1415
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

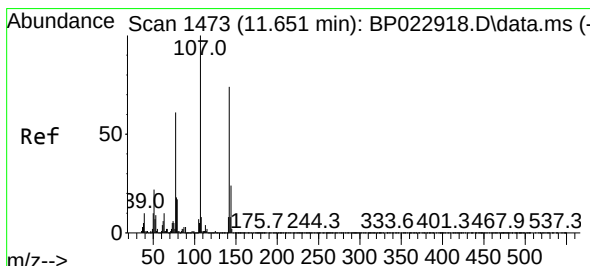
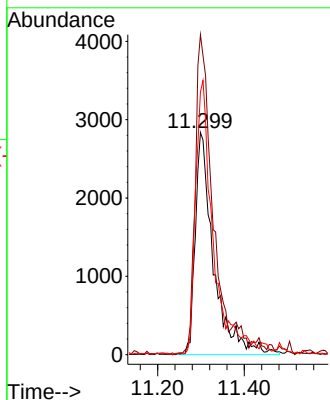
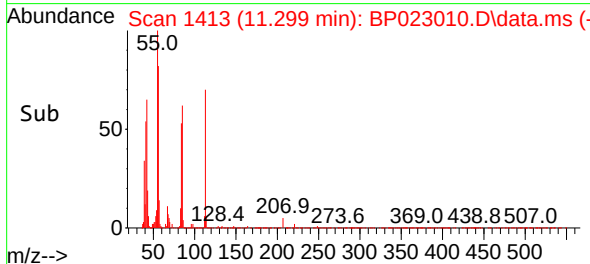
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:113 Resp: 8310
Ion Ratio Lower Upper
113 100
55 144.0 127.4 167.4
56 118.2 103.5 143.5

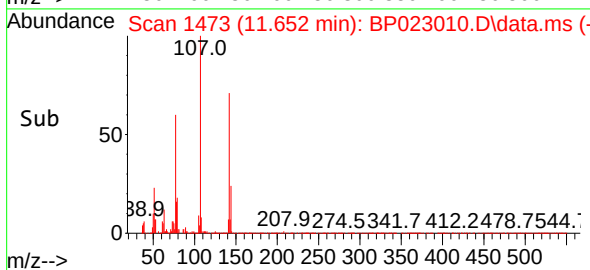
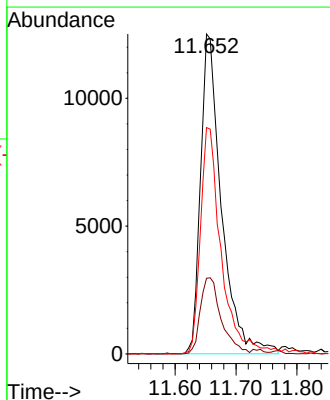
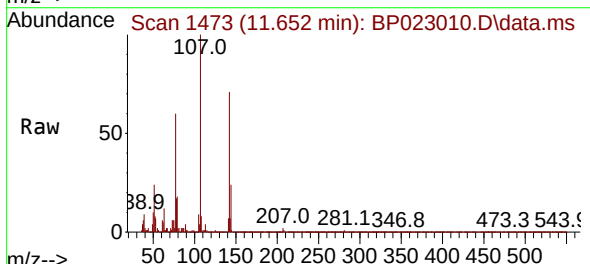
Manual Integrations
APPROVED

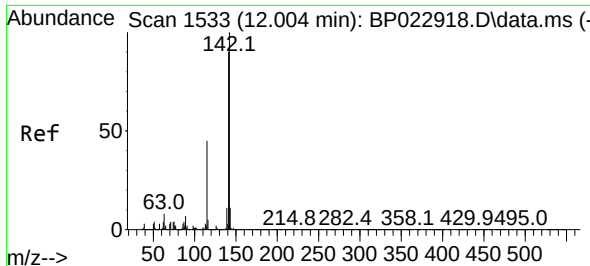
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#36
4-Chloro-3-methylphenol
Concen: 7.655 ng
RT: 11.652 min Scan# 1473
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

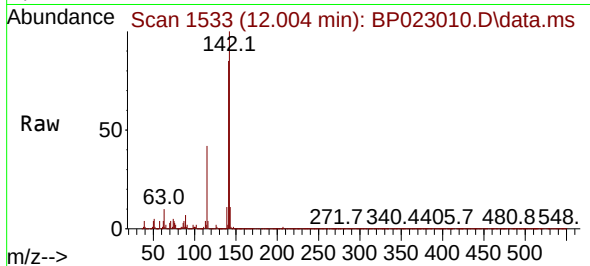
Tgt Ion:107 Resp: 29783
Ion Ratio Lower Upper
107 100
144 23.6 19.4 29.0
142 70.8 59.5 89.3





#37
2-Methylnaphthalene
Concen: 8.289 ng
RT: 12.004 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

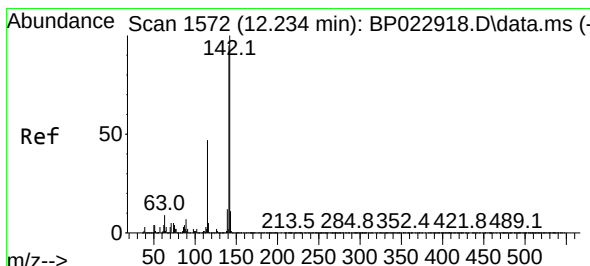
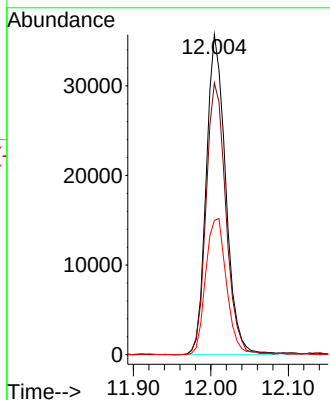
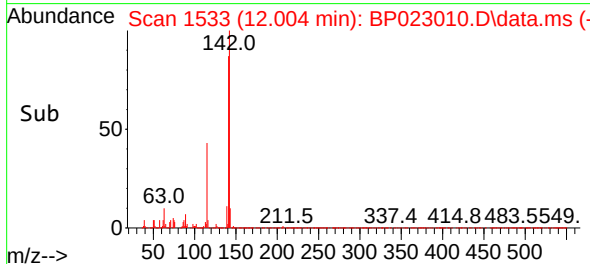
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



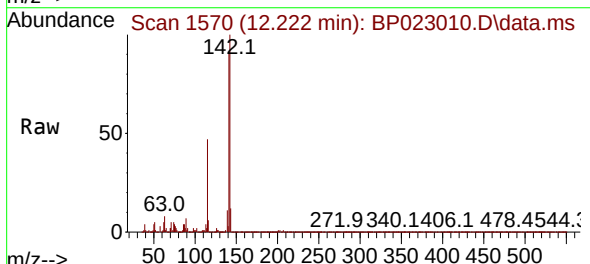
Tgt Ion:142 Resp: 62198
Ion Ratio Lower Upper
142 100
141 84.9 72.2 108.4
115 41.9 35.9 53.9

Manual Integrations
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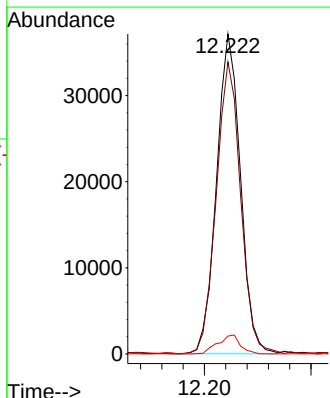
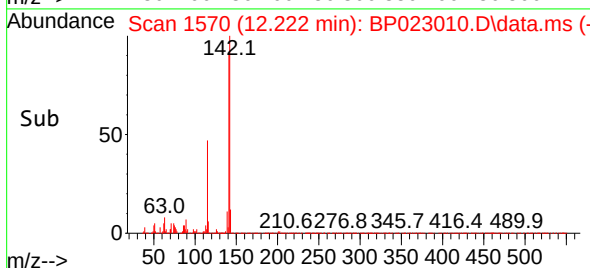
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

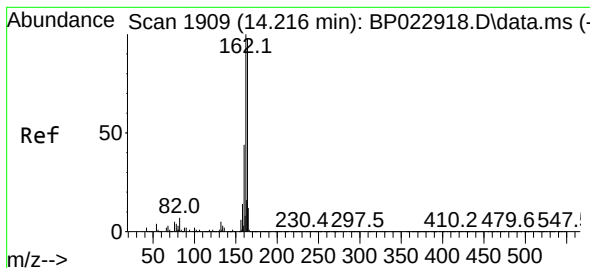


#38
1-Methylnaphthalene
Concen: 7.750 ng
RT: 12.222 min Scan# 1570
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



Tgt Ion:142 Resp: 57721
Ion Ratio Lower Upper
142 100
141 91.2 75.8 113.8
116 5.6 3.8 5.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.216 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:164 Resp: 170400

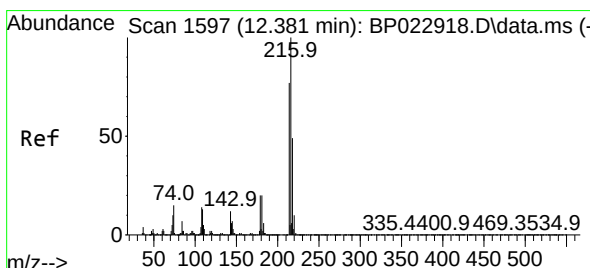
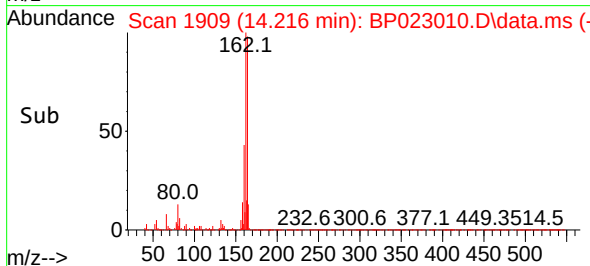
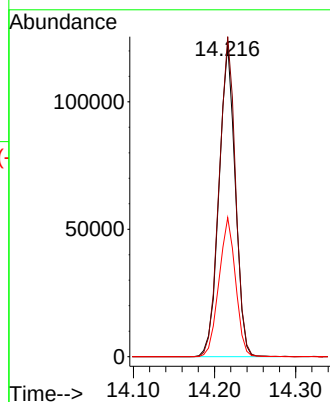
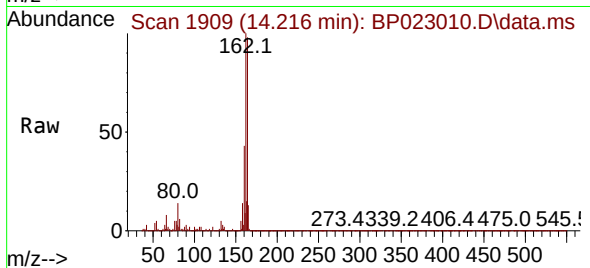
Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.8
160	44.6	35.7	53.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.217 ng

RT: 12.381 min Scan# 1597

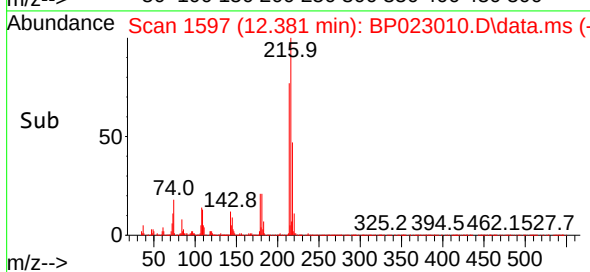
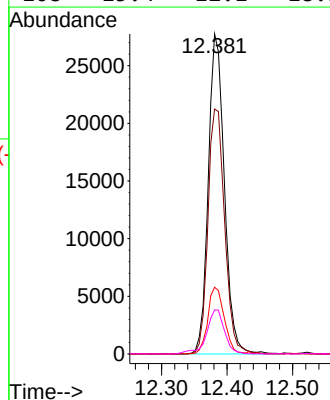
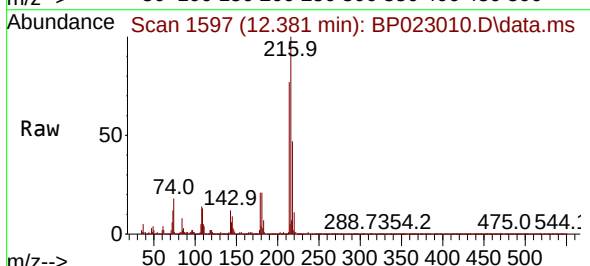
Delta R.T. 0.000 min

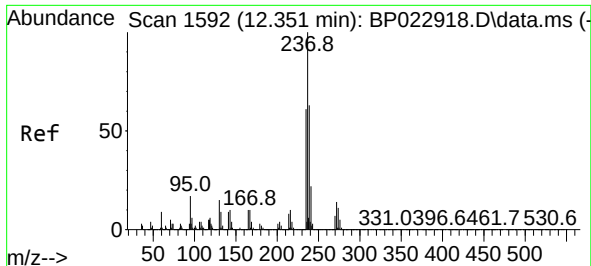
Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Tgt Ion:216 Resp: 47405

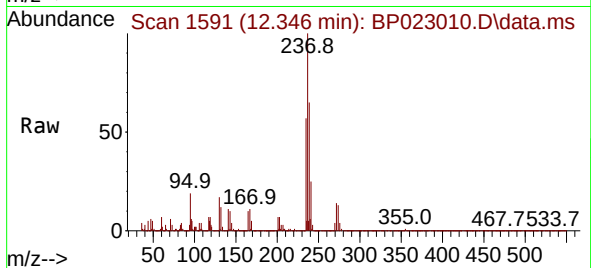
Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.5	93.7
179	21.3	16.5	24.7
108	15.4	12.1	18.1





#41
Hexachlorocyclopentadiene
Concen: 7.962 ng
RT: 12.346 min Scan# 11
Delta R.T. -0.005 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

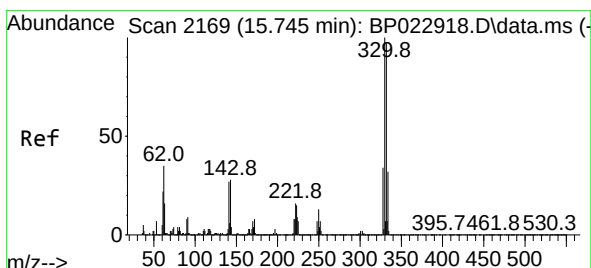
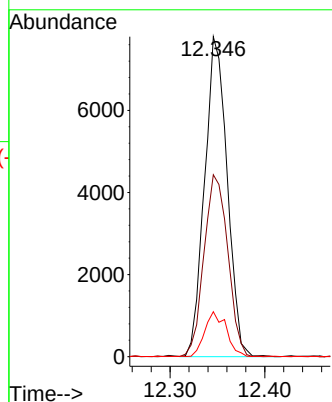
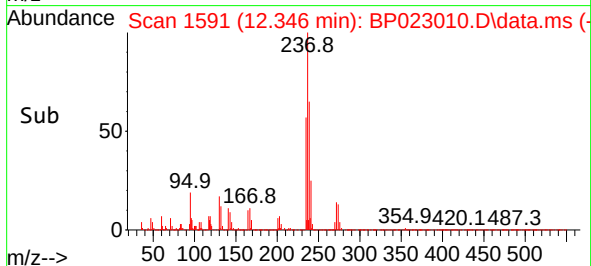
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion: 237 Resp: 12900
Ion Ratio Lower Upper
237 100
235 56.9 41.2 81.2
272 14.1 0.0 33.7

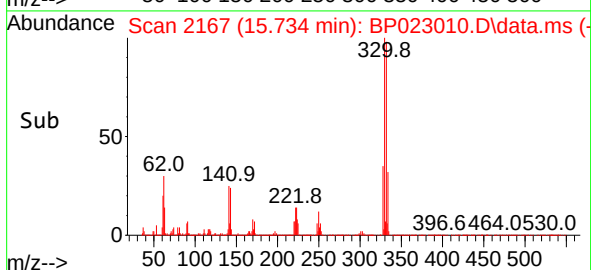
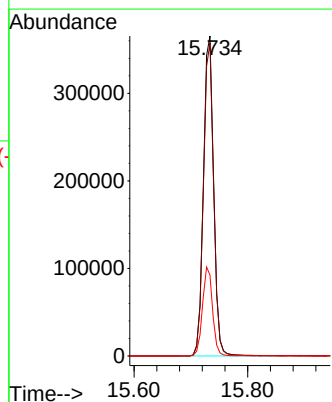
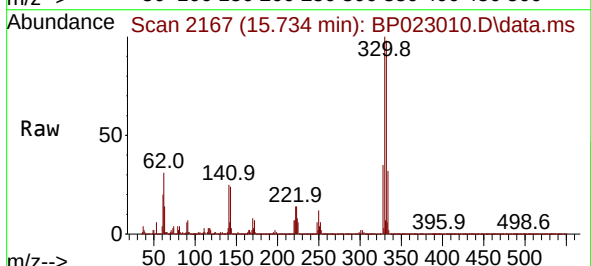
Manual Integrations
APPROVED

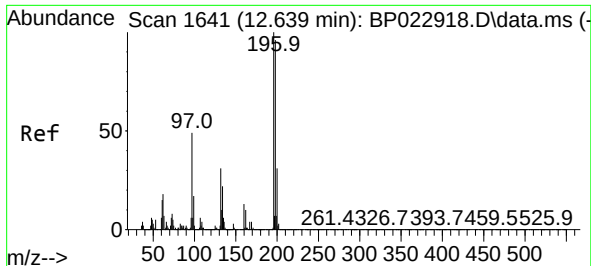
Reviewed By : Yogesh Patel 11/12/2024
Supervised By : mohammad ahmed 11/12/2024



#42
2,4,6-Tribromophenol
Concen: 138.135 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

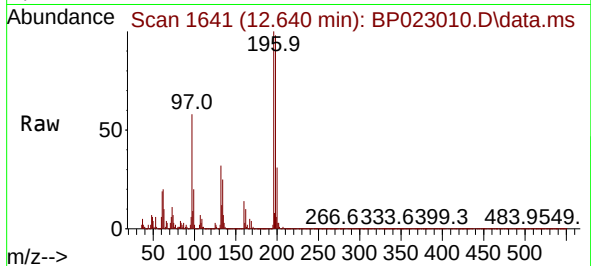
Tgt Ion: 330 Resp: 456262
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 27.4 21.6 32.4





#43
2,4,6-Trichlorophenol
Concen: 7.232 ng
RT: 12.640 min Scan# 1641
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

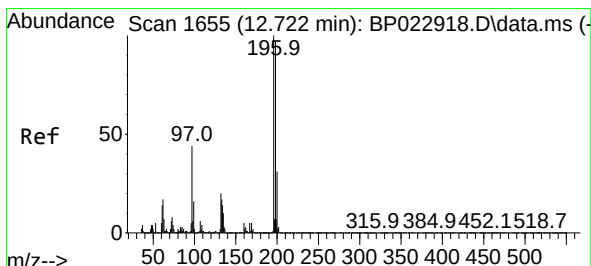
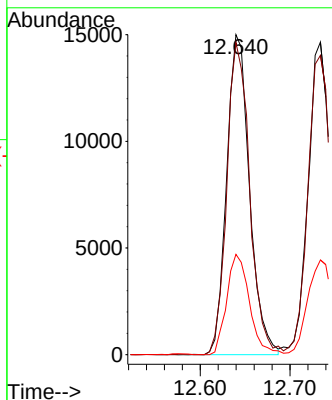
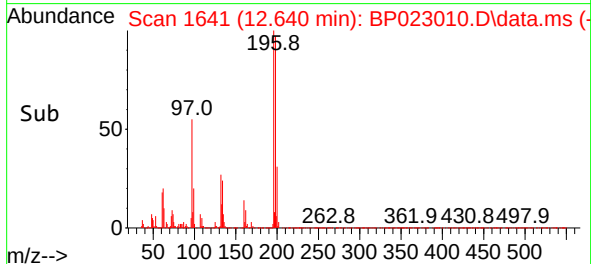
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



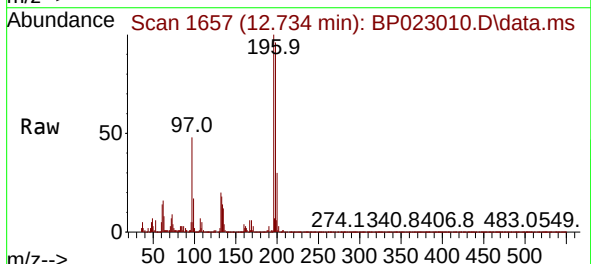
Tgt Ion:196 Resp: 26530
Ion Ratio Lower Upper
196 100
198 97.6 76.5 114.7
200 31.4 24.6 36.8

Manual Integrations
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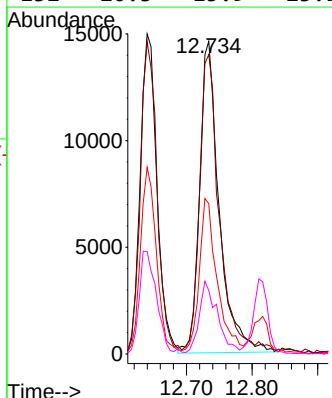
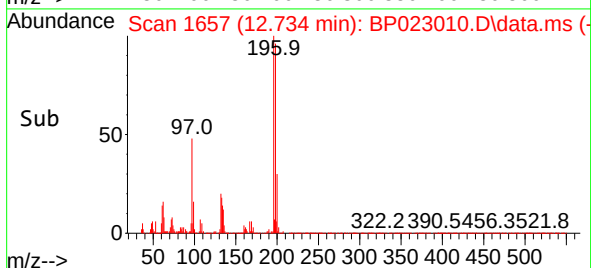
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

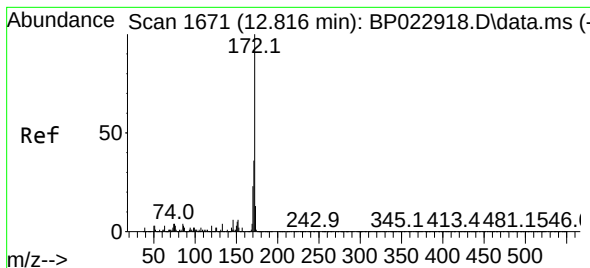


#44
2,4,5-Trichlorophenol
Concen: 7.244 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.012 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



Tgt Ion:196 Resp: 30255
Ion Ratio Lower Upper
196 100
198 95.7 77.8 116.8
97 48.1 35.2 52.8
132 20.3 15.9 23.9





#45

2-Fluorobiphenyl

Concen: 86.744 ng

RT: 12.816 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:172 Resp: 103451

Ion Ratio Lower Upper

172 100

171 35.5 28.5 42.7

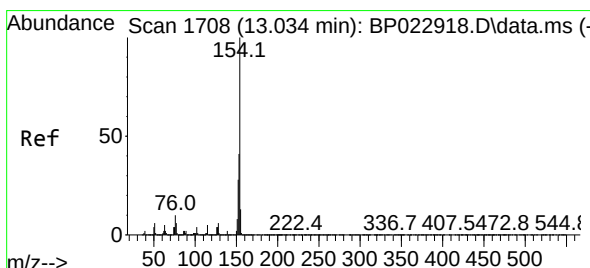
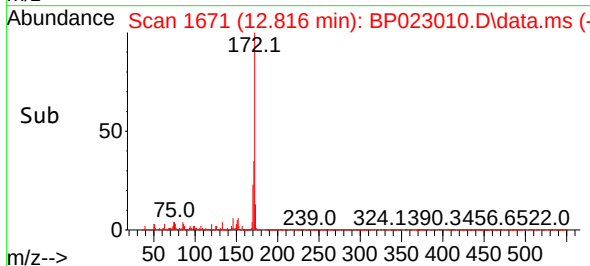
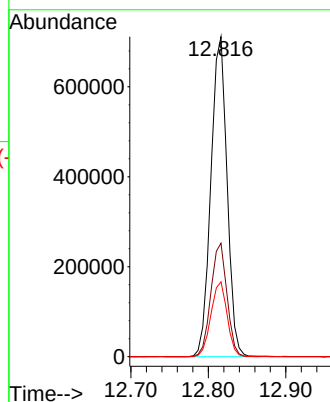
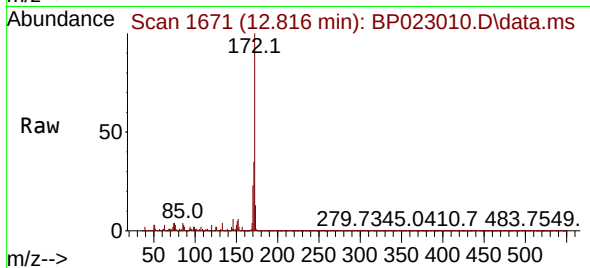
170 23.4 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#46

1,1'-Biphenyl

Concen: 8.508 ng

RT: 13.028 min Scan# 1707

Delta R.T. -0.006 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

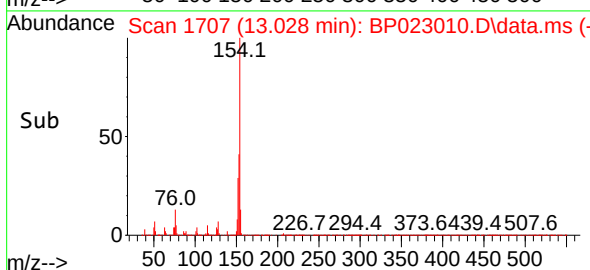
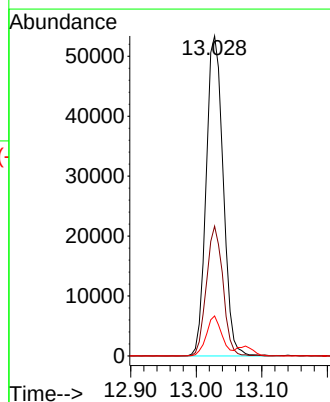
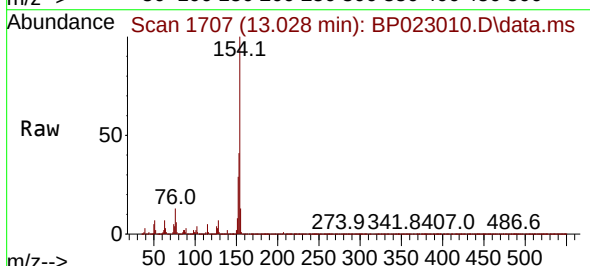
Tgt Ion:154 Resp: 96376

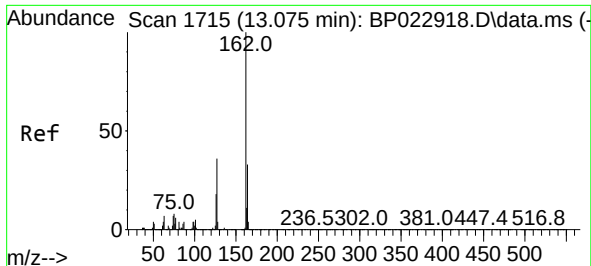
Ion Ratio Lower Upper

154 100

153 40.5 20.6 60.6

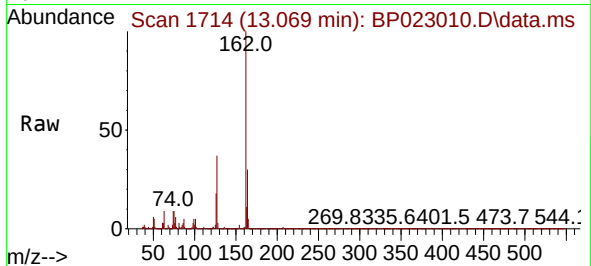
76 12.5 0.0 30.5





#47
2-Chloronaphthalene
Concen: 7.910 ng
RT: 13.069 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

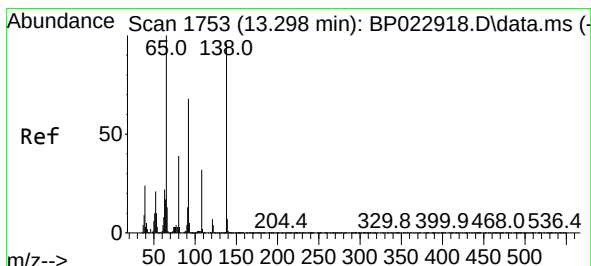
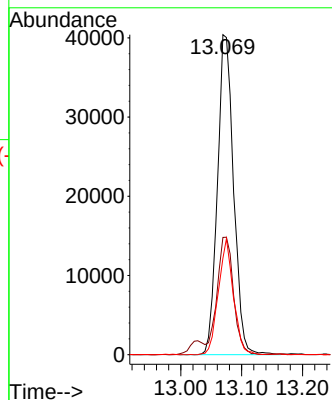
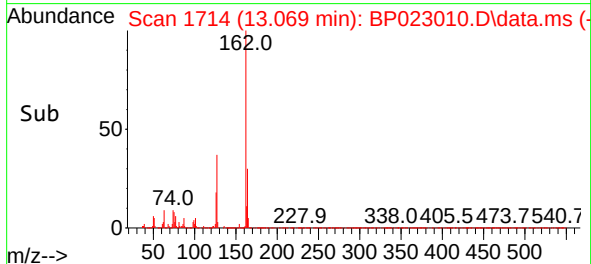
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024



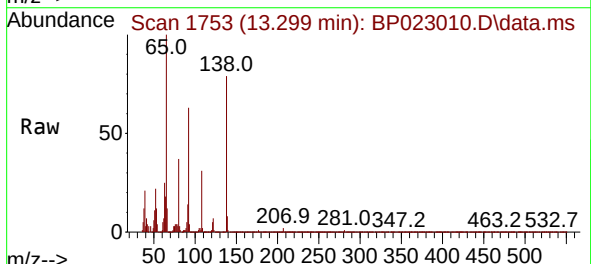
Tgt Ion:162 Resp: 74350
Ion Ratio Lower Upper
162 100
127 36.6 28.6 43.0
164 30.2 26.4 39.6

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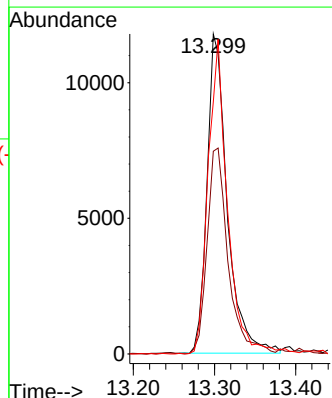
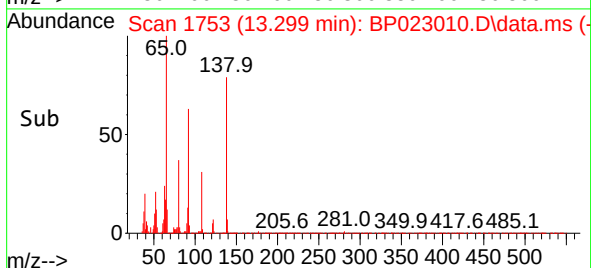
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

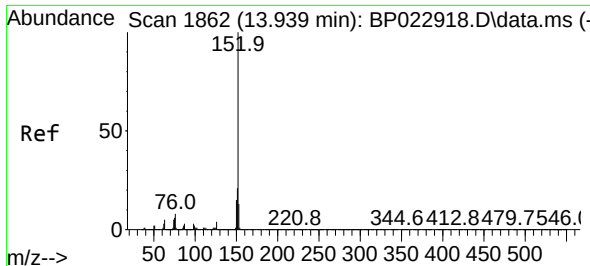


#48
2-Nitroaniline
Concen: 7.416 ng
RT: 13.299 min Scan# 1753
Delta R.T. 0.001 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



Tgt Ion: 65 Resp: 20312
Ion Ratio Lower Upper
65 100
92 63.3 54.4 81.6
138 78.8 76.5 114.7





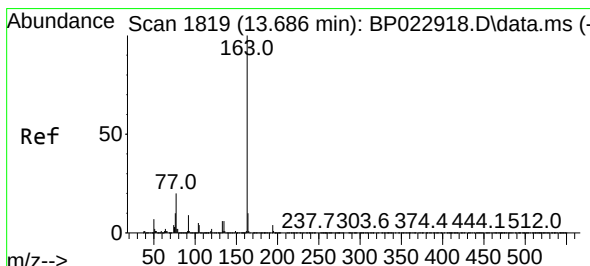
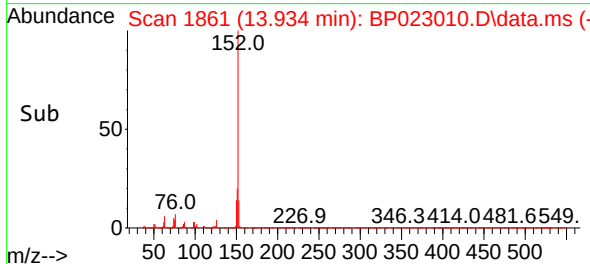
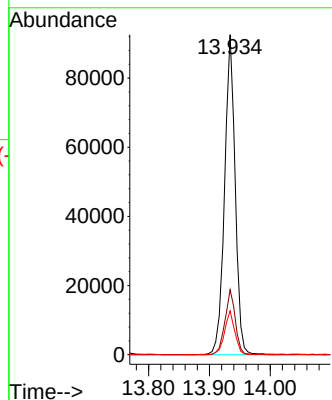
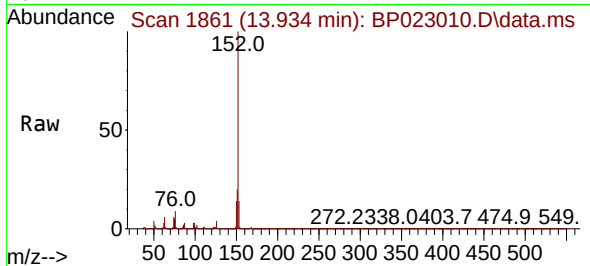
#49
Acenaphthylene
Concen: 8.533 ng
RT: 13.934 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:152 Resp: 112028
Ion Ratio Lower Upper
152 100
151 20.3 16.8 25.2
153 13.7 10.8 16.2

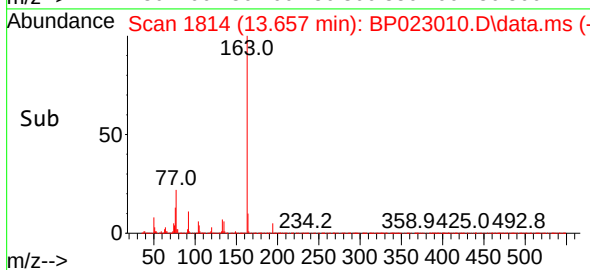
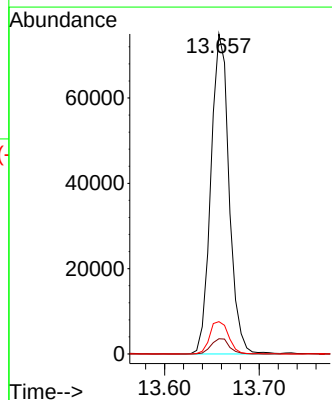
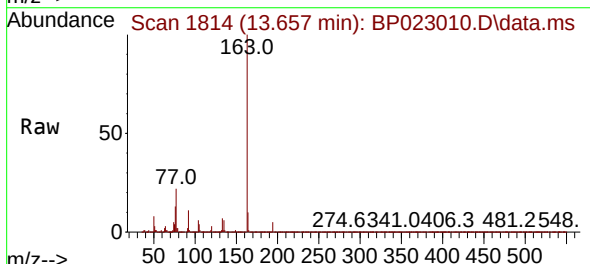
Manual Integrations
APPROVED

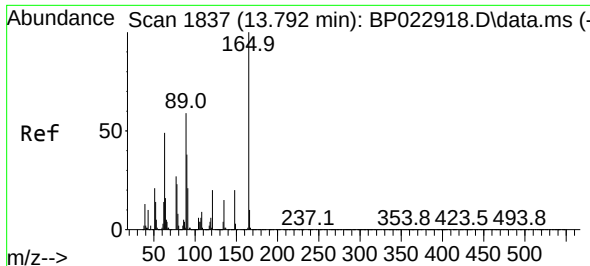
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#50
Dimethylphthalate
Concen: 8.043 ng
RT: 13.657 min Scan# 1814
Delta R.T. -0.029 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:163 Resp: 100352
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 10.1 8.0 12.0





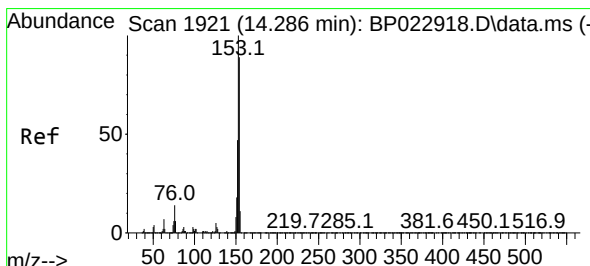
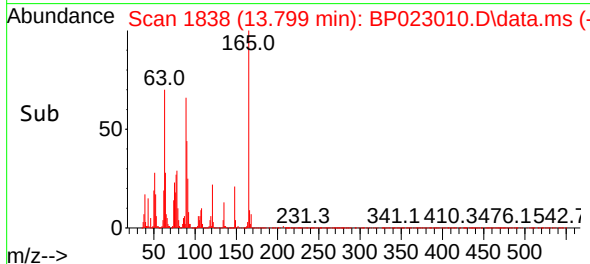
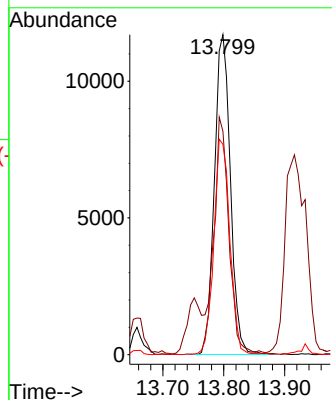
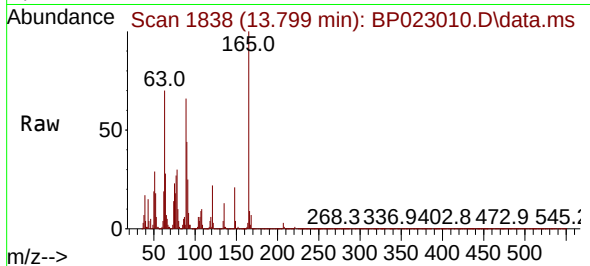
#51
2,6-Dinitrotoluene
Concen: 7.507 ng
RT: 13.799 min Scan# 1837
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:165 Resp: 21290
Ion Ratio Lower Upper
165 100
63 69.8 45.1 67.7
89 65.7 46.9 70.3

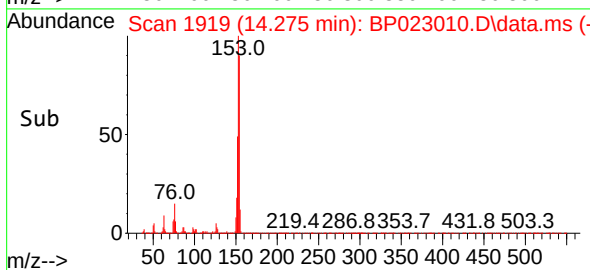
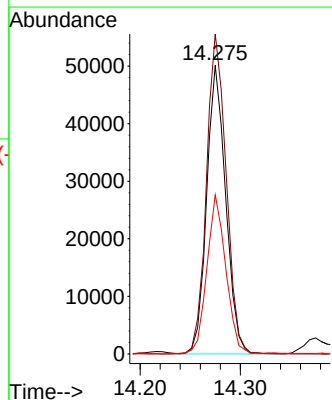
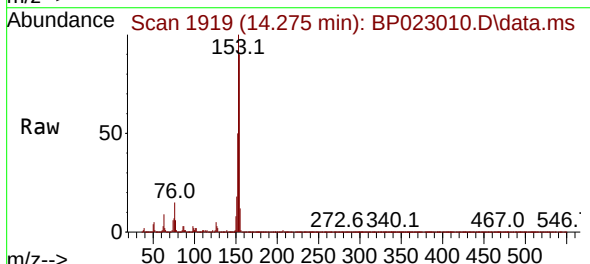
Manual Integrations
APPROVED

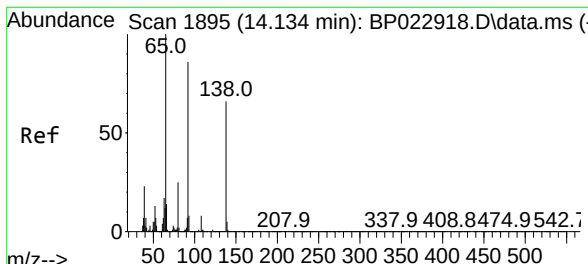
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#52
Acenaphthene
Concen: 7.857 ng
RT: 14.275 min Scan# 1919
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:154 Resp: 66331
Ion Ratio Lower Upper
154 100
153 110.8 89.9 134.9
152 55.1 42.1 63.1





#53
3-Nitroaniline
Concen: 7.635 ng
RT: 14.151 min Scan# 1898
Delta R.T. 0.018 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

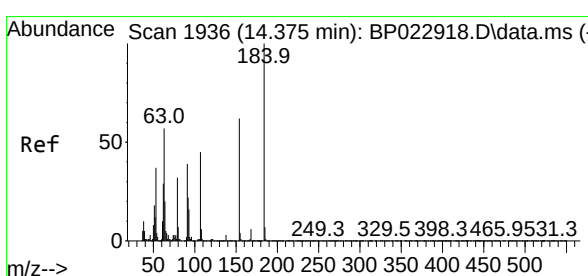
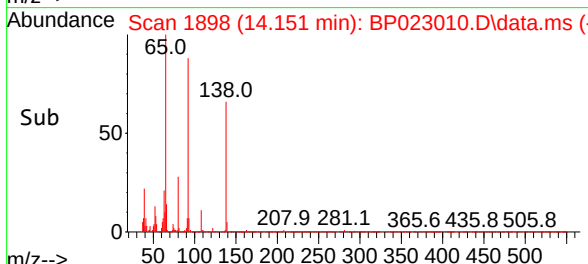
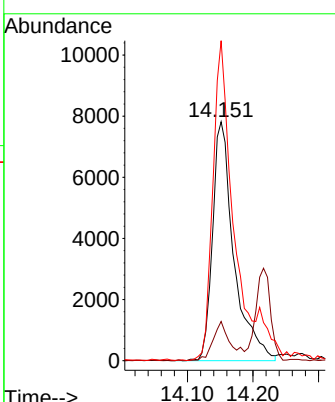
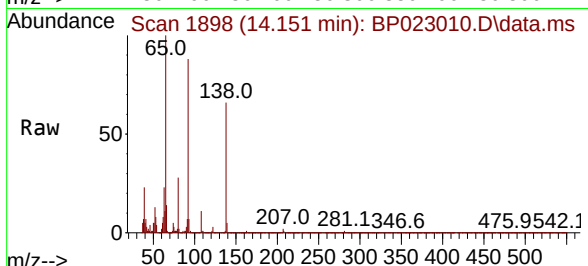
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:138 Resp: 17599

Ion	Ratio	Lower	Upper
138	100		
108	16.4	10.2	15.2
92	134.0	104.2	156.2

Manual Integrations
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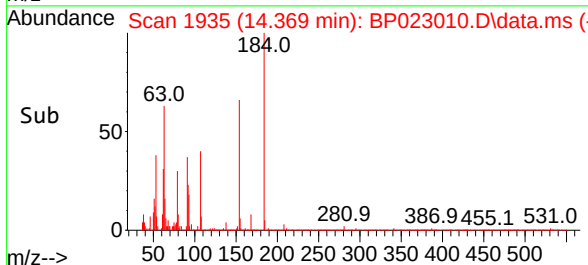
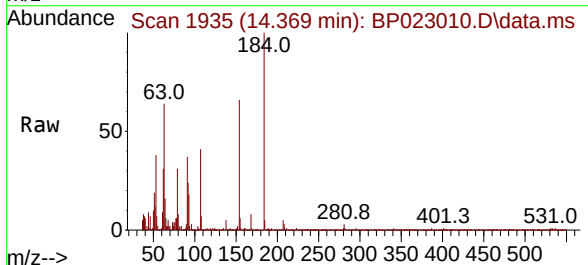
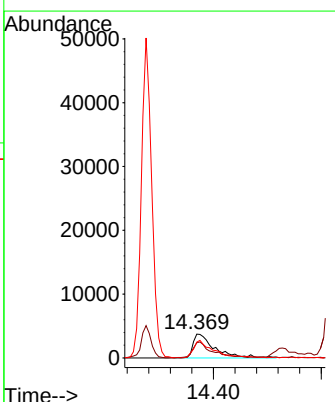
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

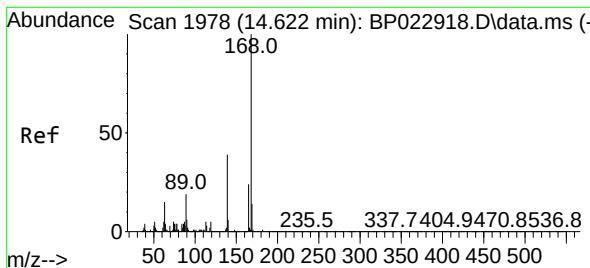


#54
2,4-Dinitrophenol
Concen: 5.953 ng m
RT: 14.369 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:184 Resp: 10479

Ion	Ratio	Lower	Upper
184	100		
63	63.6	46.3	69.5
154	66.2	56.6	85.0





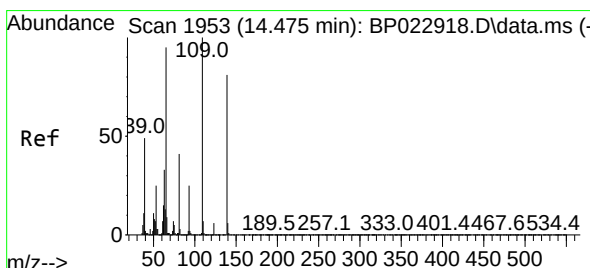
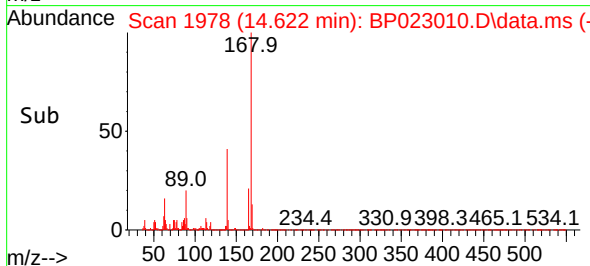
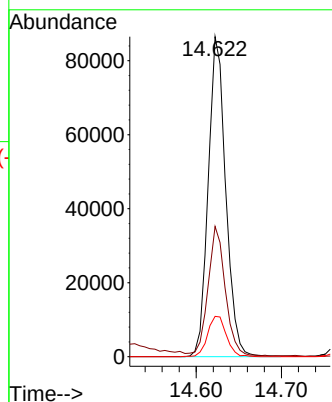
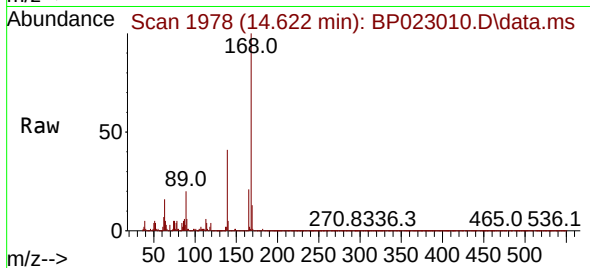
#55
Dibenzenofuran
Concen: 8.326 ng
RT: 14.622 min Scan# 1978
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:168 Resp: 12344
Ion Ratio Lower Upper
168 100
139 40.7 31.1 46.7
169 12.6 11.0 16.6

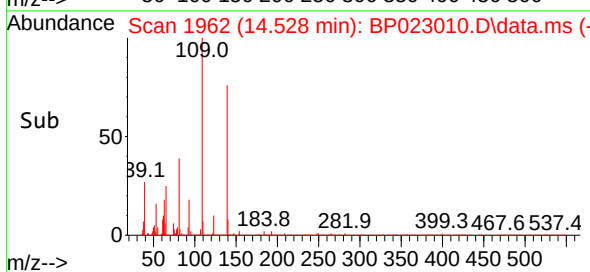
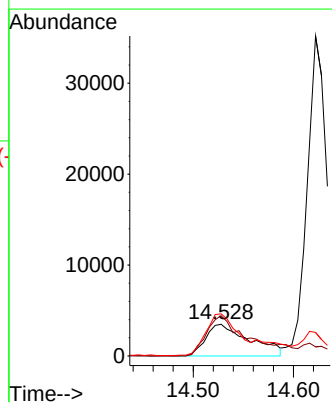
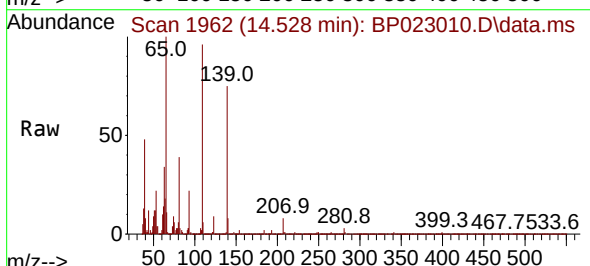
Manual Integrations
APPROVED

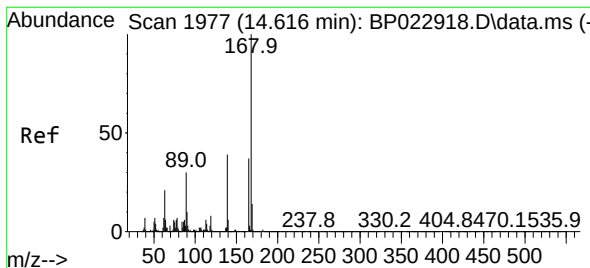
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#56
4-Nitrophenol
Concen: 5.572 ng
RT: 14.528 min Scan# 1962
Delta R.T. 0.053 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

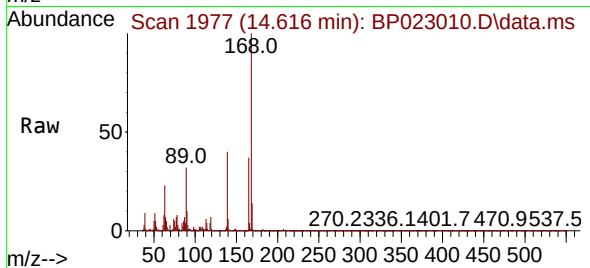
Tgt Ion:139 Resp: 10562
Ion Ratio Lower Upper
139 100
109 126.5 103.1 143.1
65 132.5 96.9 136.9





#57
2,4-Dinitrotoluene
Concen: 7.245 ng
RT: 14.616 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

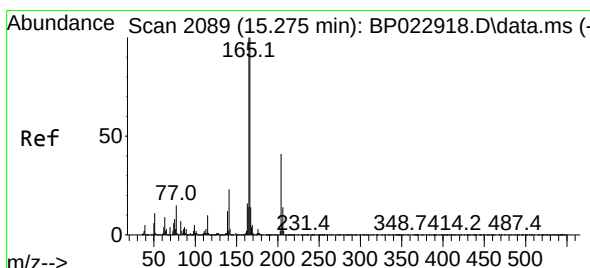
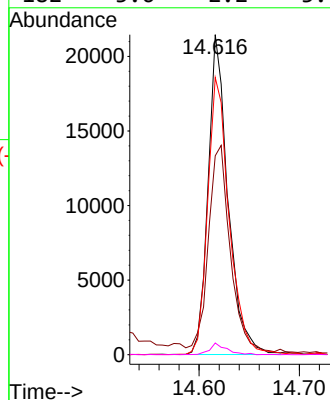
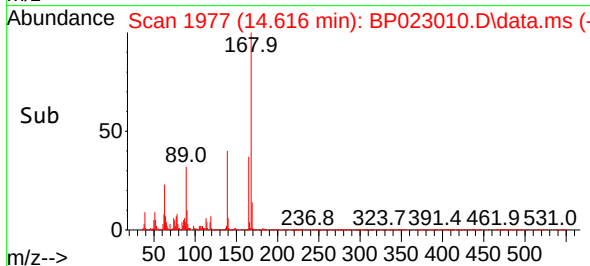
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 29715
Ion Ratio Lower Upper
165 100
63 62.2 46.5 69.7
89 86.6 64.0 96.0
182 3.6 2.2 3.4#

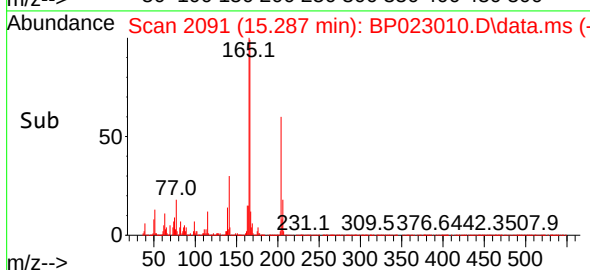
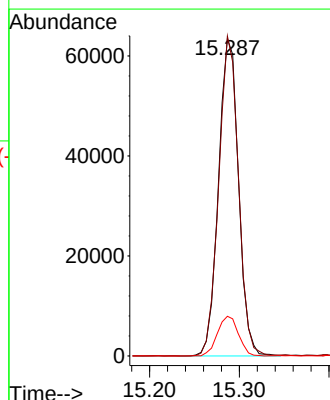
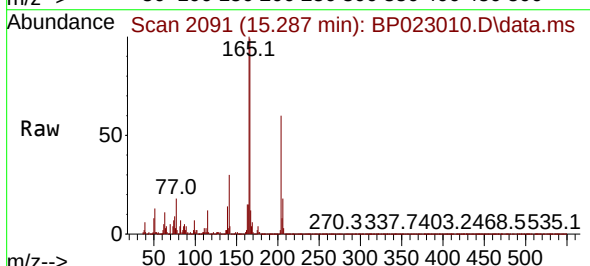
Manual Integrations
APPROVED

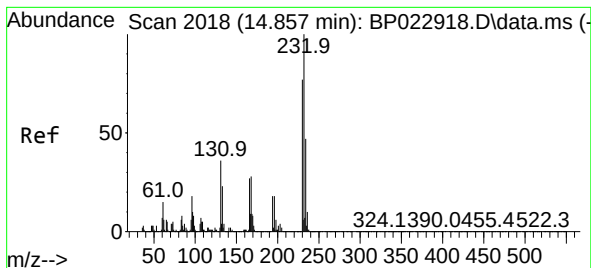
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#58
Fluorene
Concen: 7.979 ng
RT: 15.287 min Scan# 2091
Delta R.T. 0.012 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

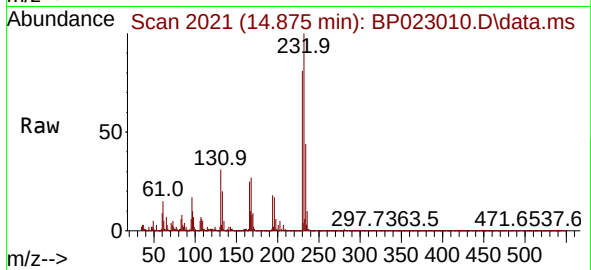
Tgt Ion:166 Resp: 98279
Ion Ratio Lower Upper
166 100
165 100.8 80.1 120.1
167 12.5 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.306 ng
RT: 14.875 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

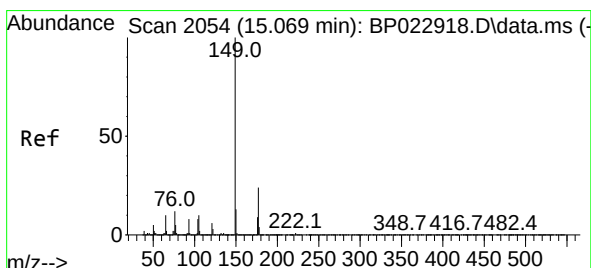
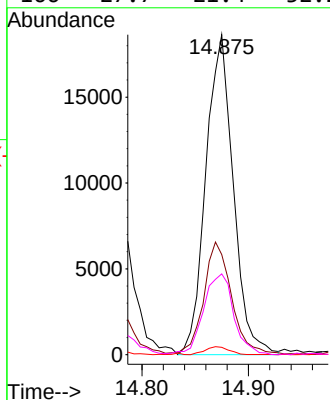
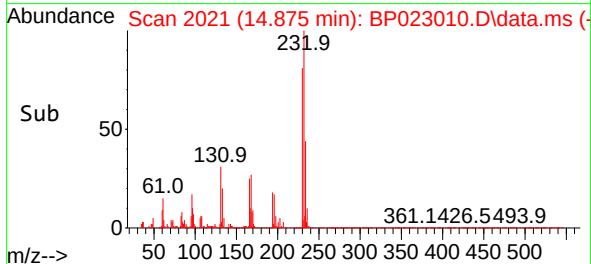
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



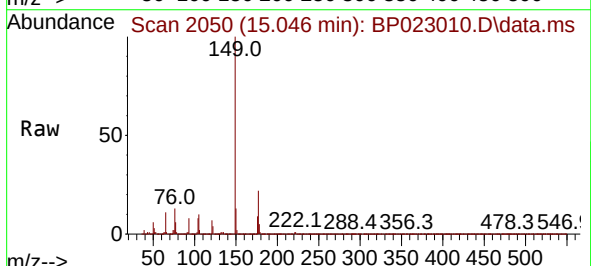
Tgt Ion:232 Resp: 3345
Ion Ratio Lower Upper
232 100
131 35.2 28.2 42.2
130 2.2 1.7 2.5
166 27.7 21.4 32.2

Manual Integrations
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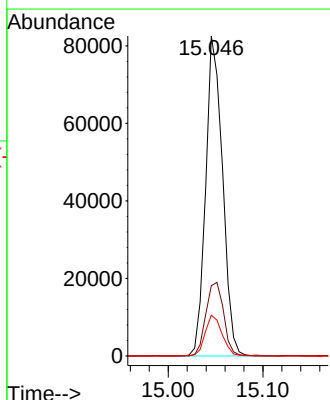
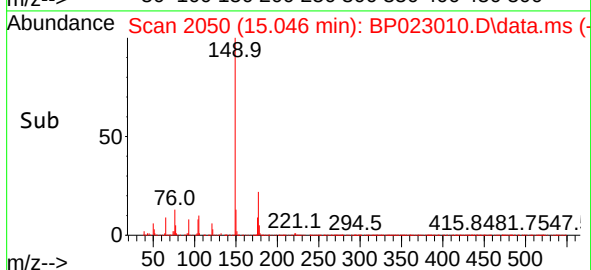
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

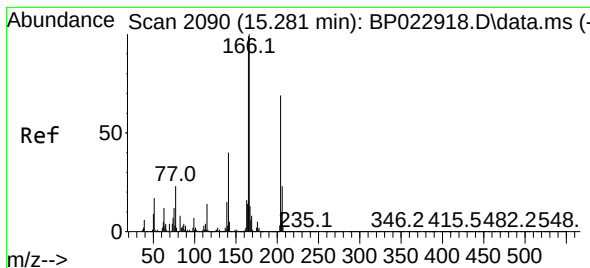


#60
Diethylphthalate
Concen: 8.204 ng
RT: 15.046 min Scan# 2050
Delta R.T. -0.023 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



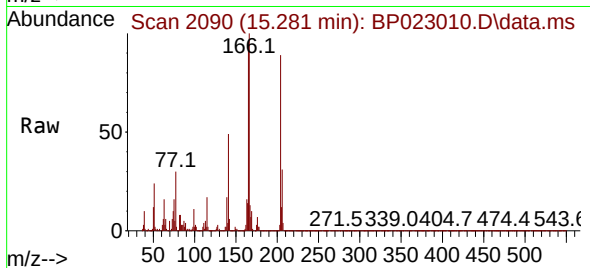
Tgt Ion:149 Resp: 101796
Ion Ratio Lower Upper
149 100
177 22.0 18.9 28.3
150 12.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 8.261 ng
RT: 15.281 min Scan# 2090
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

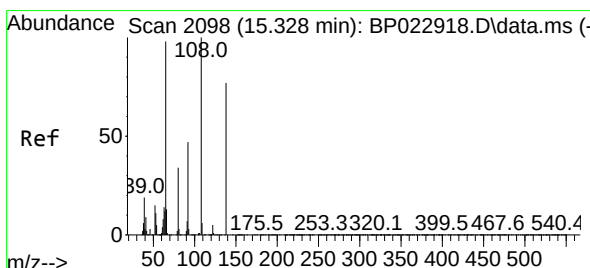
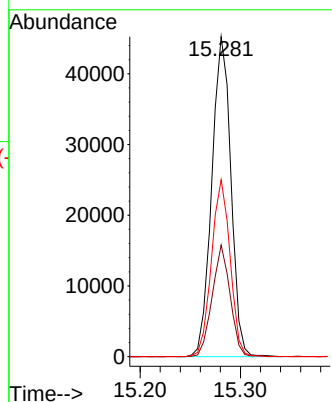
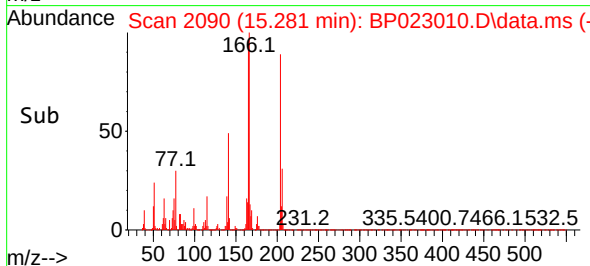
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



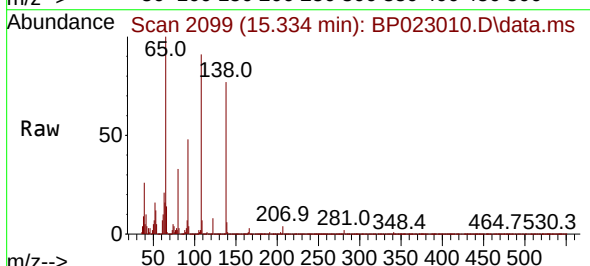
Tgt Ion:204 Resp: 59972
Ion Ratio Lower Upper
204 100
206 34.9 26.8 40.2
141 55.3 46.2 69.4

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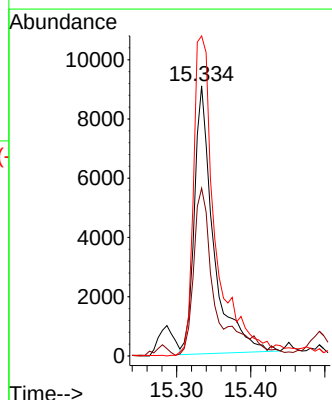
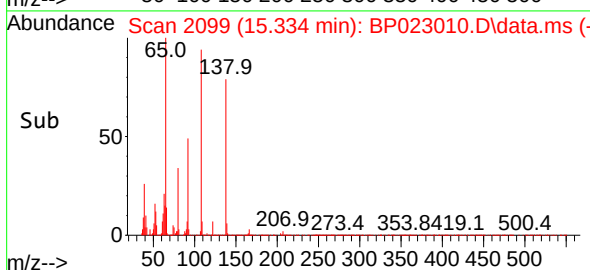
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024

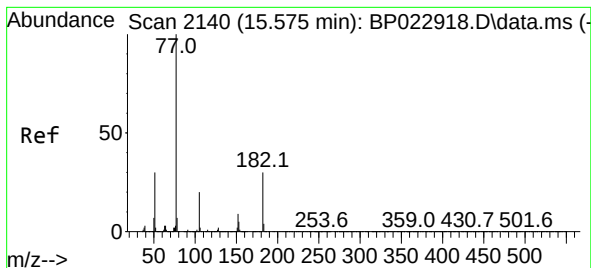


#62
4-Nitroaniline
Concen: 6.903 ng
RT: 15.334 min Scan# 2099
Delta R.T. 0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14



Tgt Ion:138 Resp: 16326
Ion Ratio Lower Upper
138 100
92 62.1 41.9 81.9
108 118.5 109.3 149.3





#63

Azobenzene

Concen: 8.479 ng

RT: 15.575 min Scan# 2140

Delta R.T. 0.000 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

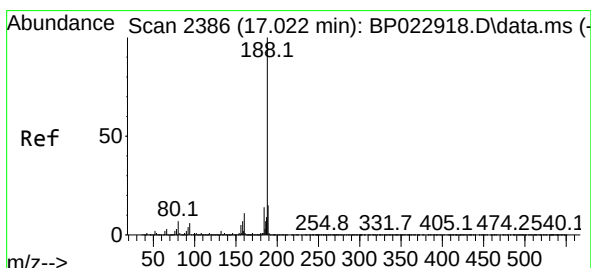
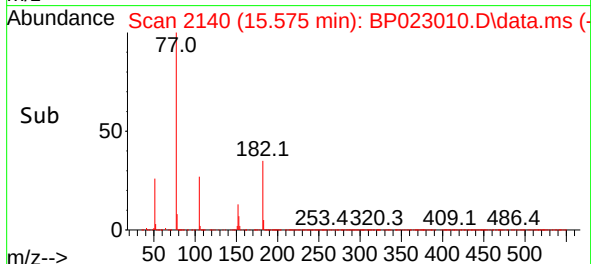
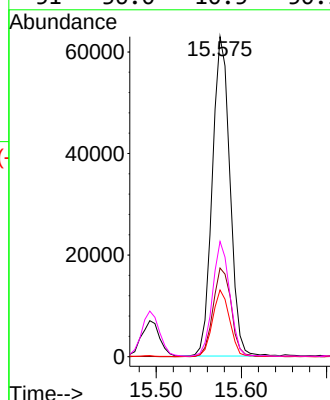
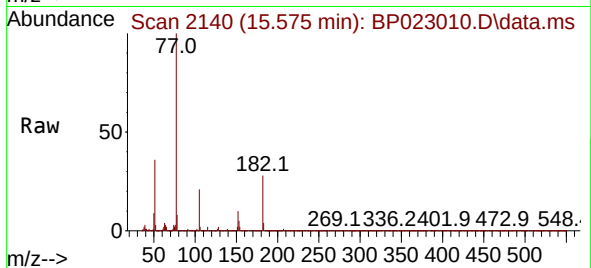
Tgt Ion: 77	Resp: 90472
Ion Ratio	Lower Upper
77 100	
182 27.7	9.9 49.9
105 20.9	0.0 39.9
51 36.0	10.5 50.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

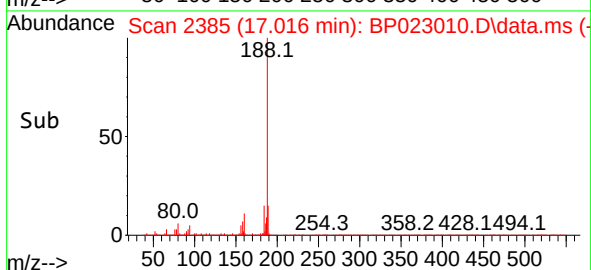
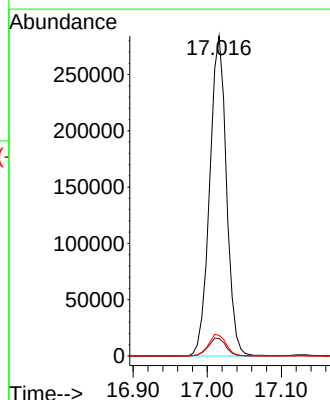
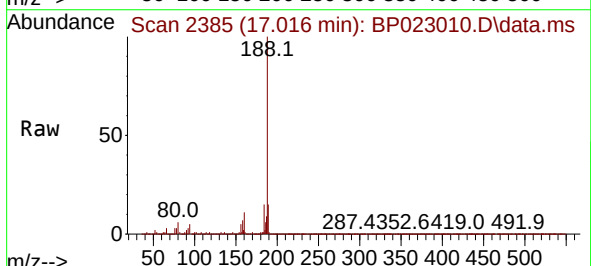
RT: 17.016 min Scan# 2385

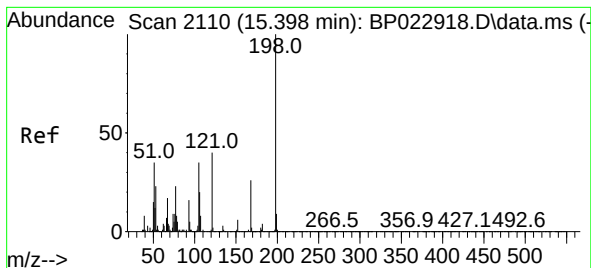
Delta R.T. -0.006 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Tgt Ion:188	Resp: 447113
Ion Ratio	Lower Upper
188 100	
94 5.4	4.8 7.2
80 6.4	5.9 8.9





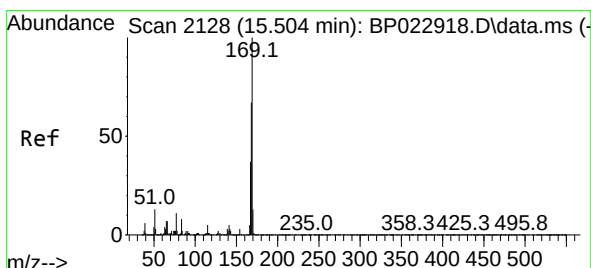
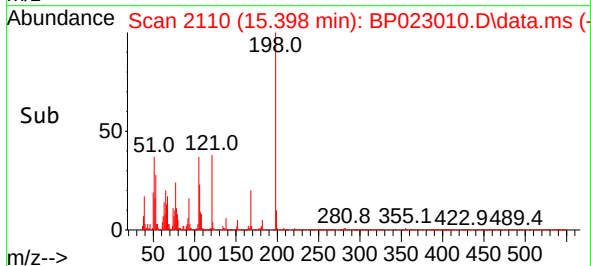
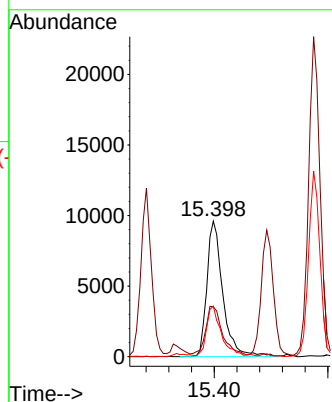
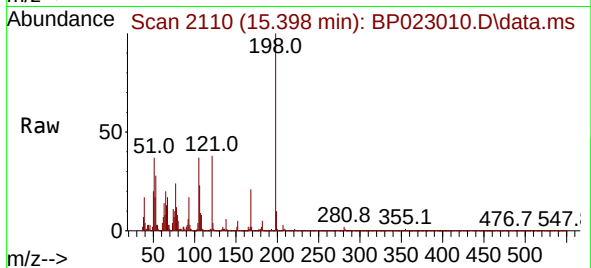
#65
4,6-Dinitro-2-methylphenol
Concen: 6.854 ng
RT: 15.398 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:198 Resp: 1864
Ion Ratio Lower Upper
198 100
51 36.7 17.4 57.4
105 37.4 15.4 55.4

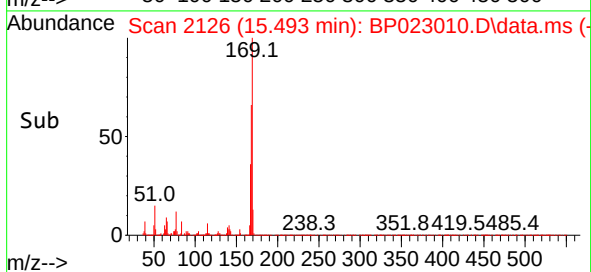
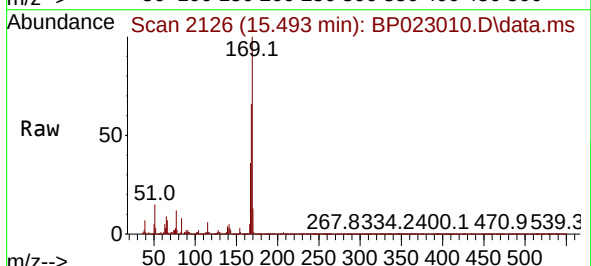
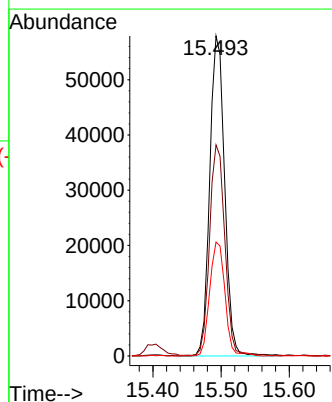
Manual Integrations
APPROVED

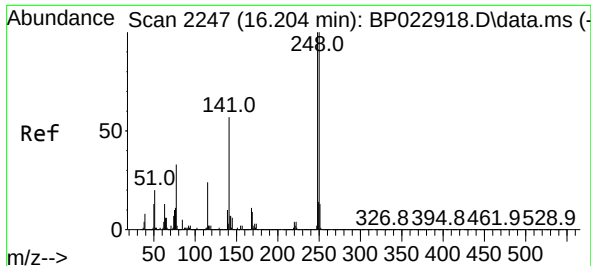
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#66
n-Nitrosodiphenylamine
Concen: 7.972 ng
RT: 15.493 min Scan# 2126
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

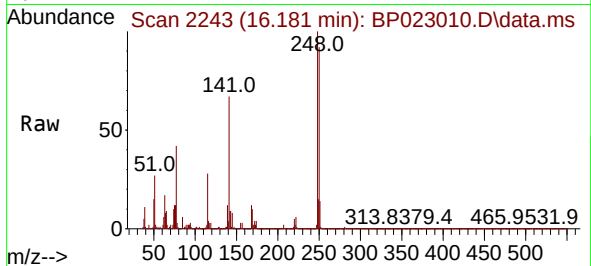
Tgt Ion:169 Resp: 88116
Ion Ratio Lower Upper
169 100
168 66.0 53.9 80.9
167 35.6 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 7.835 ng
RT: 16.181 min Scan# 2243
Delta R.T. -0.023 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

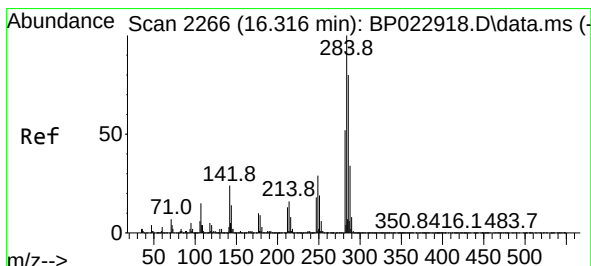
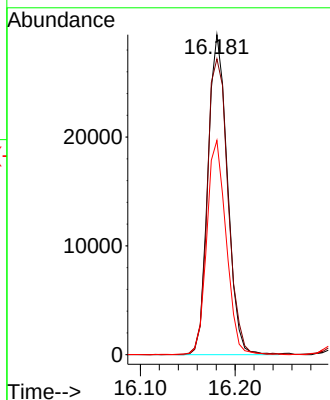
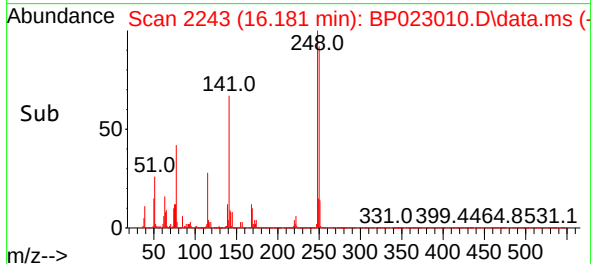
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:248 Resp: 42018
Ion Ratio Lower Upper
248 100
250 92.4 79.8 119.6
141 67.0 45.2 67.8

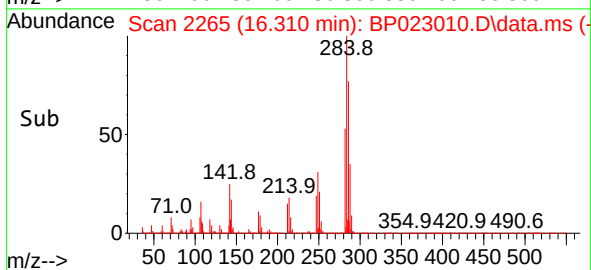
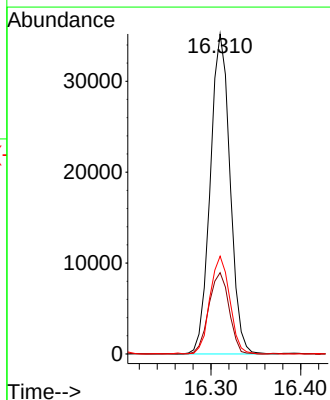
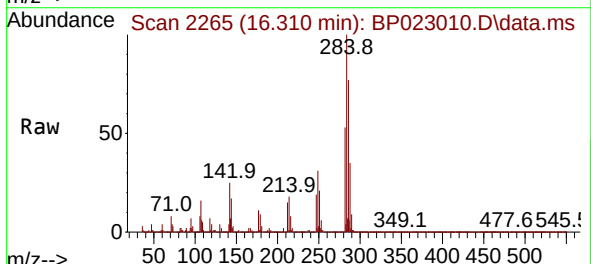
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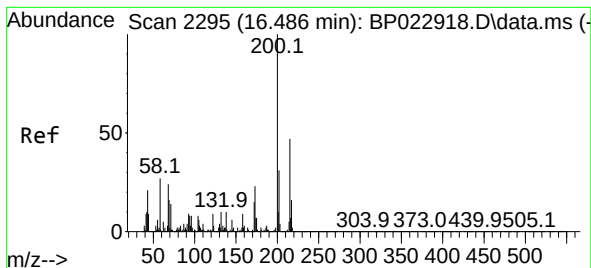
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#68
Hexachlorobenzene
Concen: 7.847 ng
RT: 16.310 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:284 Resp: 53902
Ion Ratio Lower Upper
284 100
142 25.4 19.0 28.4
249 30.6 23.0 34.6





#69

Atrazine

Concen: 10.445 ng

RT: 16.475 min Scan# 21

Delta R.T. -0.011 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

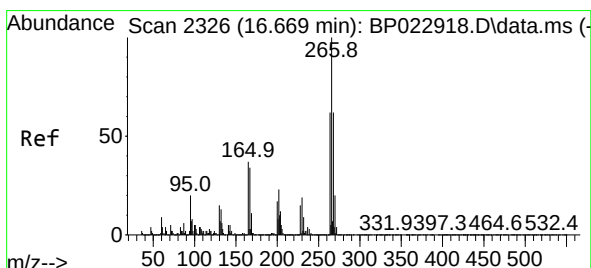
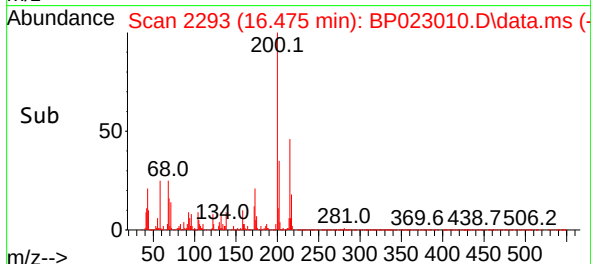
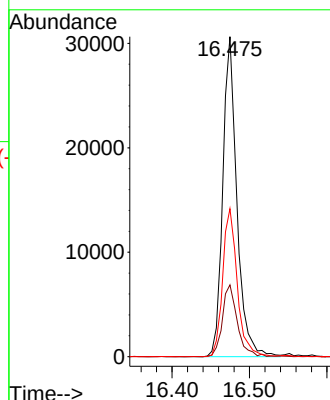
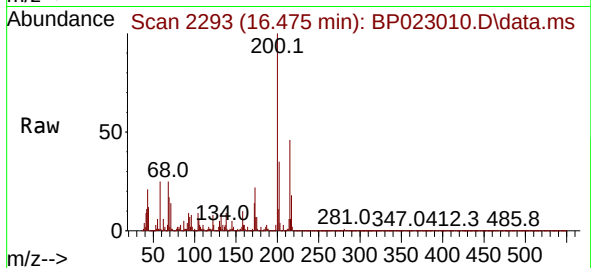
Tgt Ion:	200	Resp:	3891
Ion Ratio	Lower	Upper	
200	100		
173	22.4	2.7	42.7
215	46.3	27.1	67.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#70

Pentachlorophenol

Concen: 6.371 ng

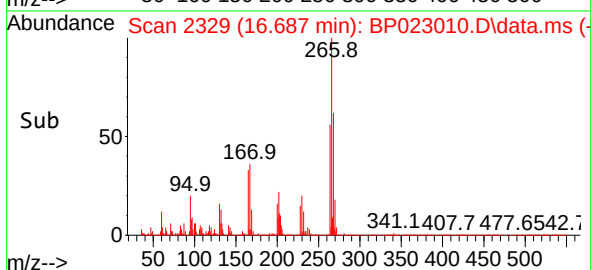
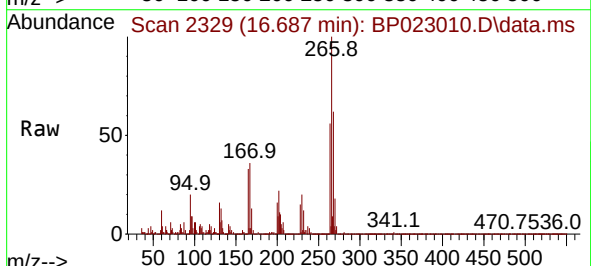
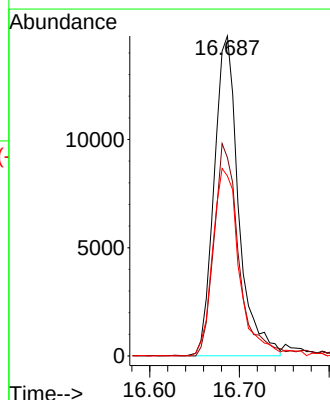
RT: 16.687 min Scan# 2329

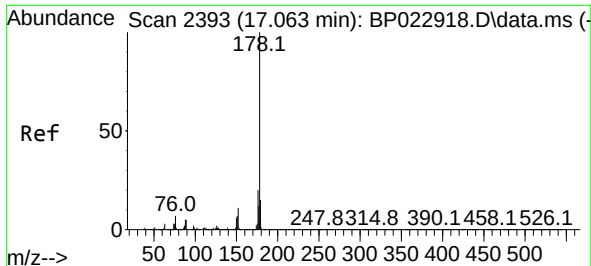
Delta R.T. 0.018 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

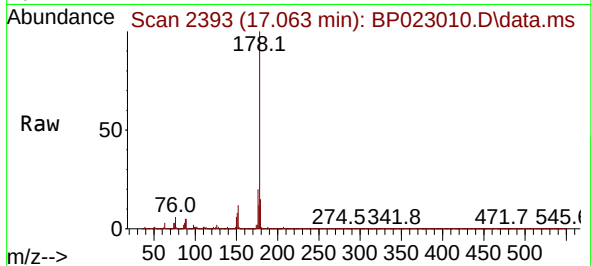
Tgt Ion:	266	Resp:	27949
Ion Ratio	Lower	Upper	
266	100		
268	62.0	49.9	74.9
264	56.3	49.7	74.5





#71
Phenanthrene
Concen: 8.332 ng
RT: 17.063 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

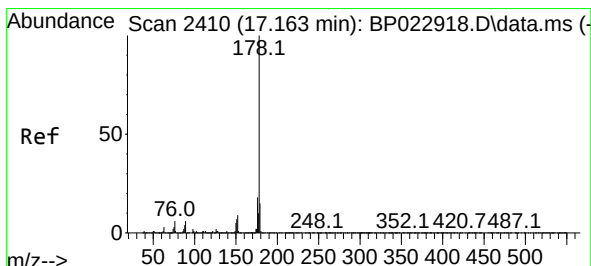
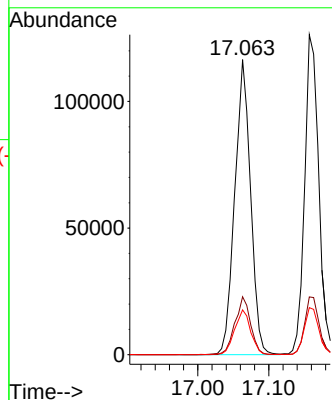
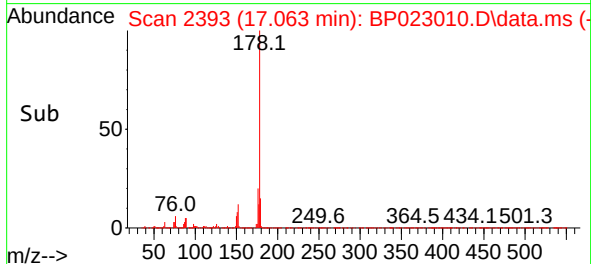
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:178 Resp: 180294
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 15.2 12.0 18.0

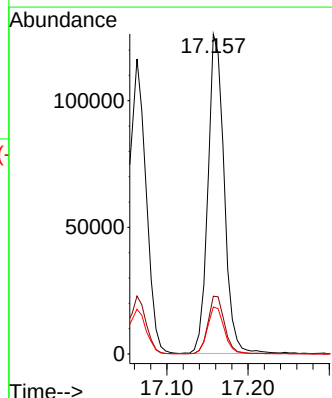
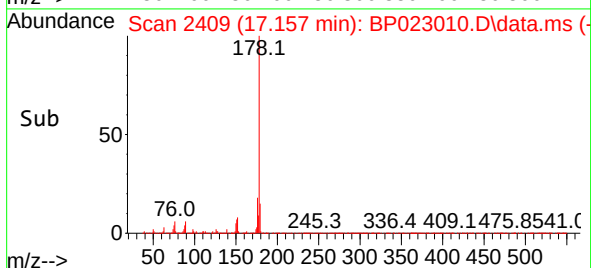
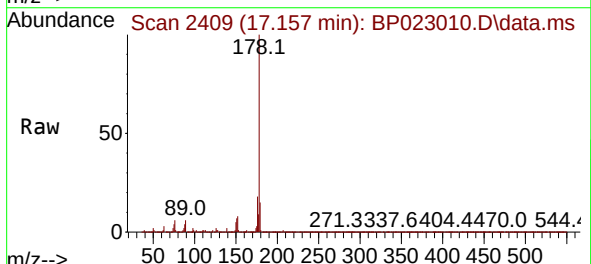
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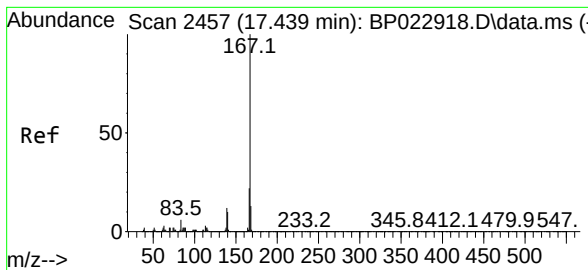
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#72
Anthracene
Concen: 8.406 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:178 Resp: 174571
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 14.7 12.3 18.5





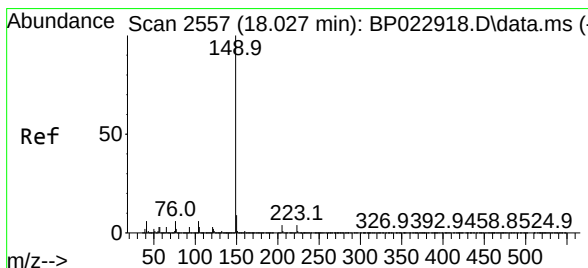
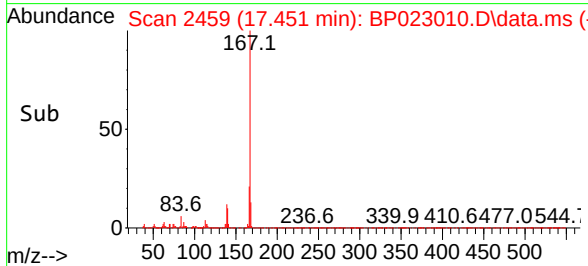
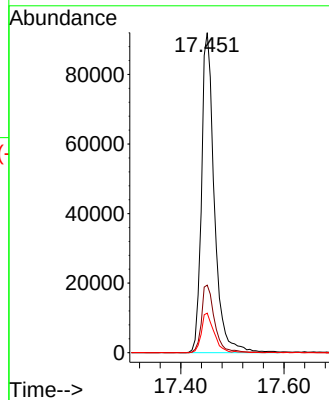
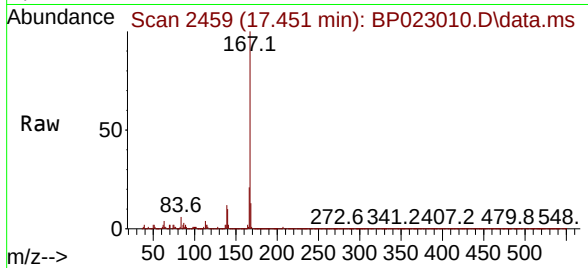
#73
 Carbazole
 Concen: 7.980 ng
 RT: 17.451 min Scan# 2457
 Delta R.T. 0.012 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Tgt Ion:167 Resp: 15827
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.2
 139 12.4 10.0 15.0

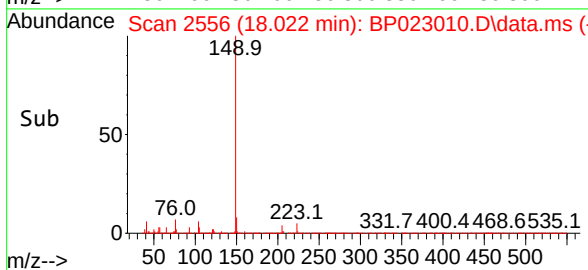
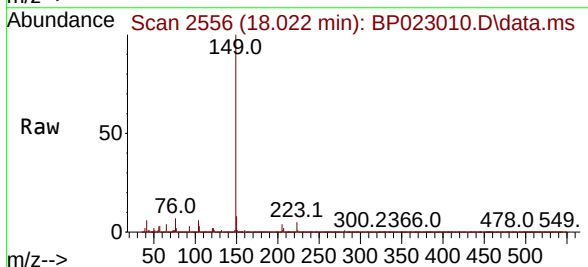
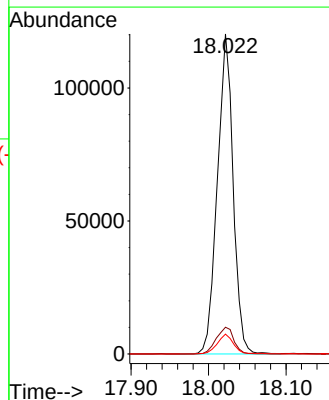
Manual Integrations
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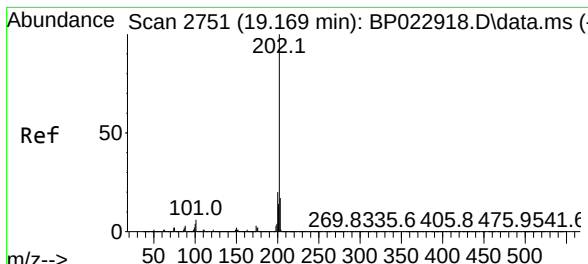
Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024



#74
 Di-n-butylphthalate
 Concen: 7.689 ng
 RT: 18.022 min Scan# 2556
 Delta R.T. -0.006 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Tgt Ion:149 Resp: 169967
 Ion Ratio Lower Upper
 149 100
 150 8.4 7.2 10.8
 104 6.2 4.8 7.2



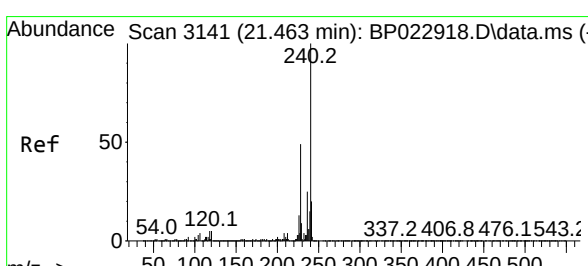
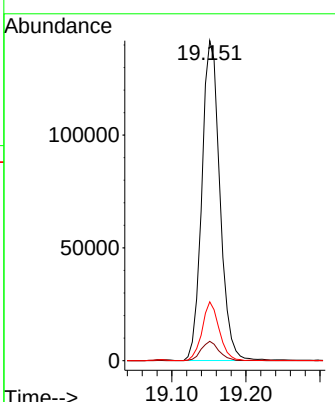
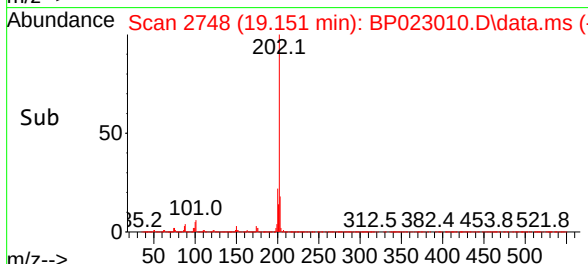
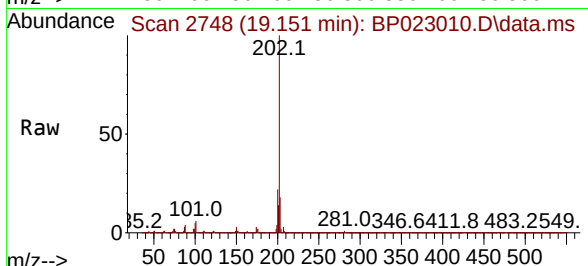


#75
 Fluoranthene
 Concen: 7.974 ng
 RT: 19.151 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT4-2024

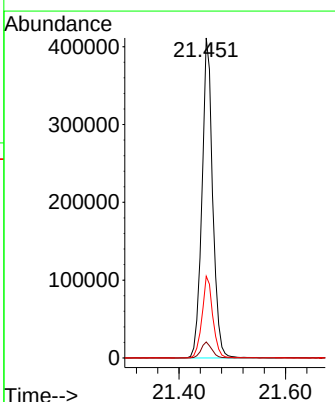
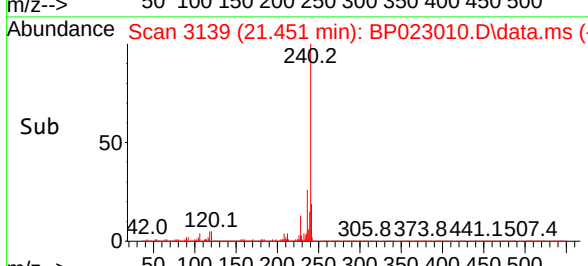
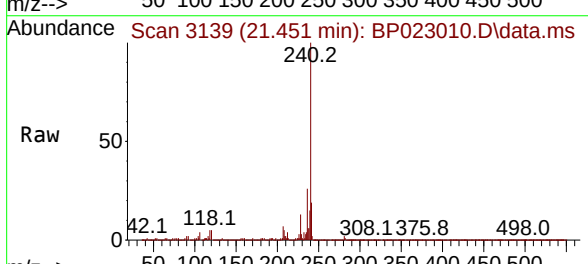
Tgt Ion:	202	Resp:	23934
Ion Ratio	Lower	Upper	
202	100		
101	6.1	0.0	25.5
203	18.4	0.0	37.2

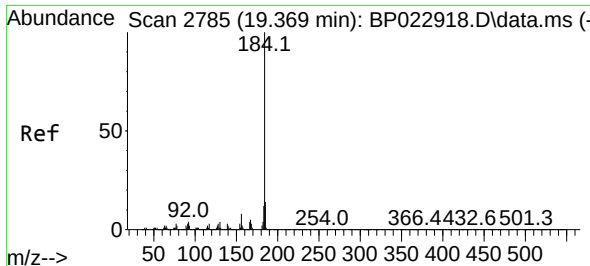
Manual Integrations
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 Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.451 min Scan# 3139
 Delta R.T. -0.011 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

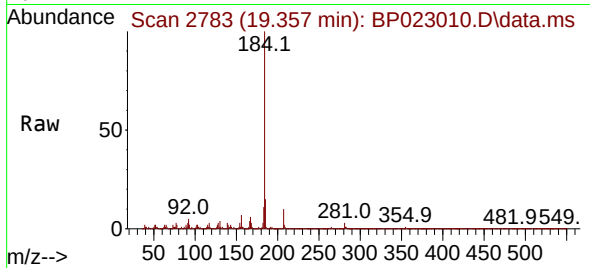
Tgt Ion:	240	Resp:	571926
Ion Ratio	Lower	Upper	
240	100		
120	5.0	4.2	6.2
236	25.6	20.4	30.6





#77
Benzidine
Concen: 8.706 ng
RT: 19.357 min Scan# 21
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

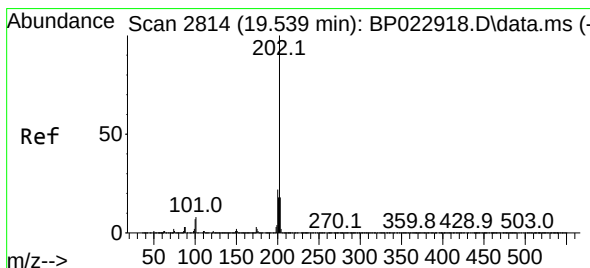
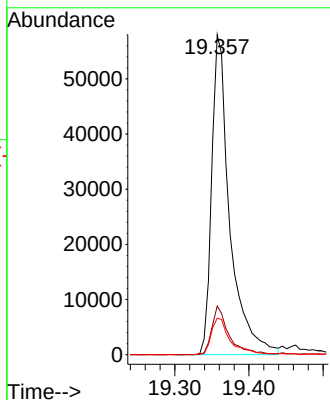
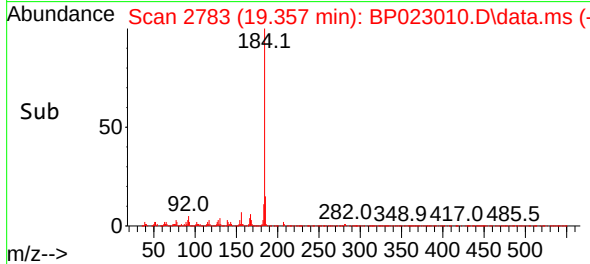
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:184 Resp: 98379
Ion Ratio Lower Upper
184 100
185 15.2 11.3 16.9
183 11.4 9.7 14.5

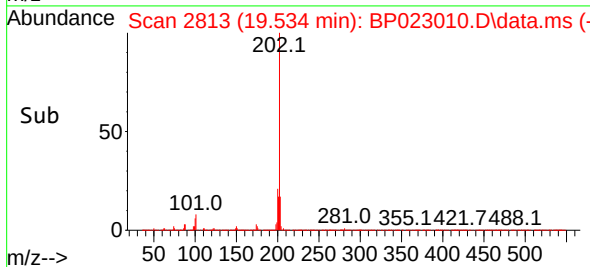
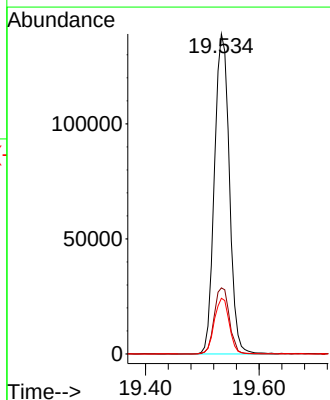
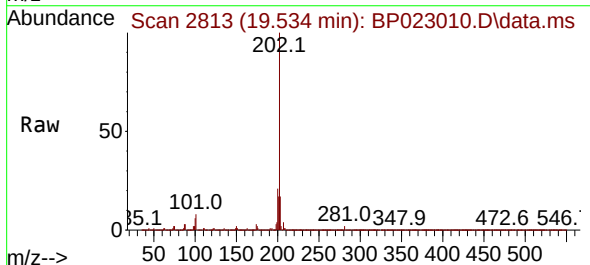
Manual Integrations
APPROVED

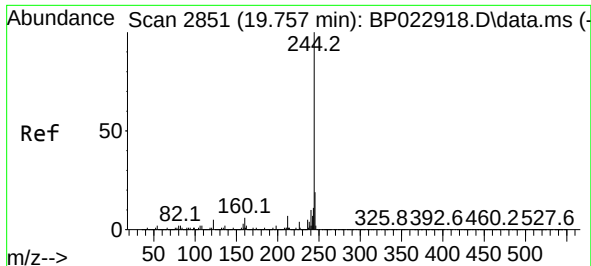
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#78
Pyrene
Concen: 7.469 ng
RT: 19.534 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

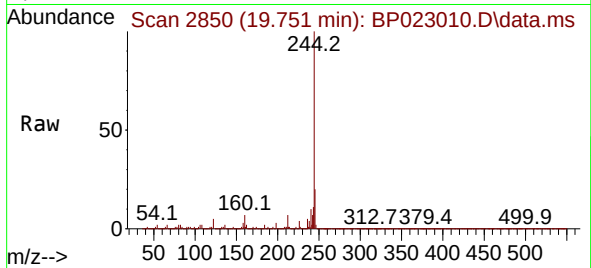
Tgt Ion:202 Resp: 252860
Ion Ratio Lower Upper
202 100
200 20.7 17.4 26.0
203 17.4 14.2 21.2





#79
 Terphenyl-d14
 Concen: 87.745 ng
 RT: 19.751 min Scan# 2851
 Delta R.T. -0.006 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

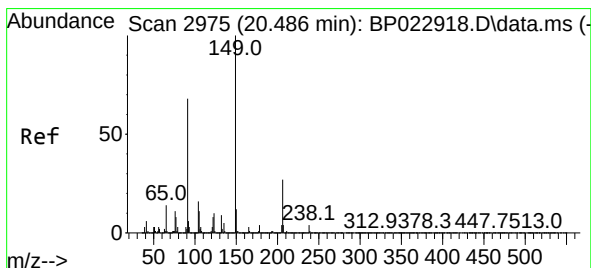
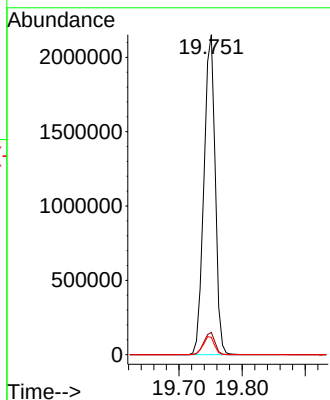
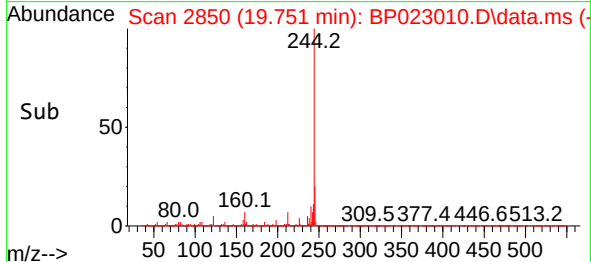
Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:244 Resp: 2672140
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 5.4 4.4 6.6

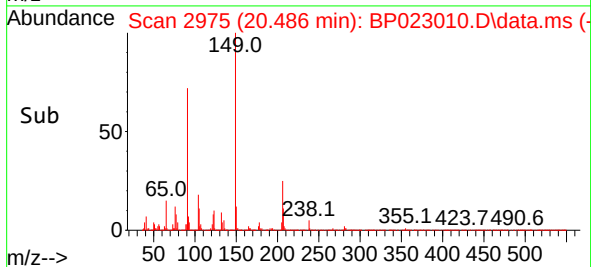
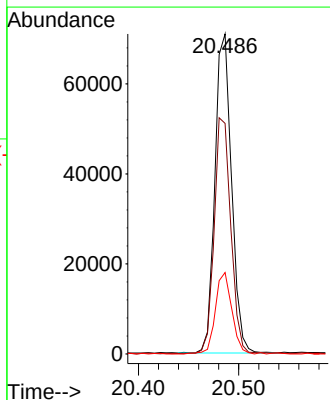
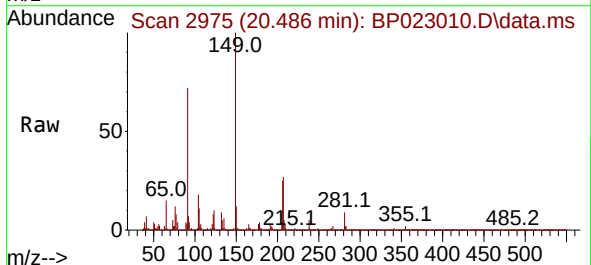
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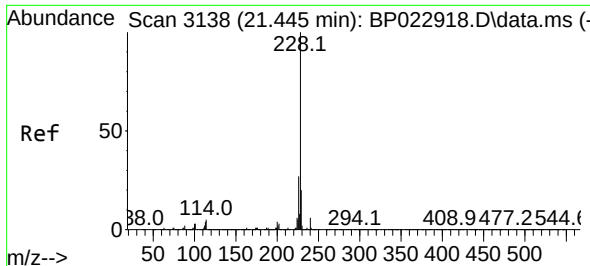
Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024



#80
 Butylbenzylphthalate
 Concen: 7.067 ng
 RT: 20.486 min Scan# 2975
 Delta R.T. 0.000 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Tgt Ion:149 Resp: 81568
 Ion Ratio Lower Upper
 149 100
 91 72.0 54.6 82.0
 206 25.5 21.3 31.9





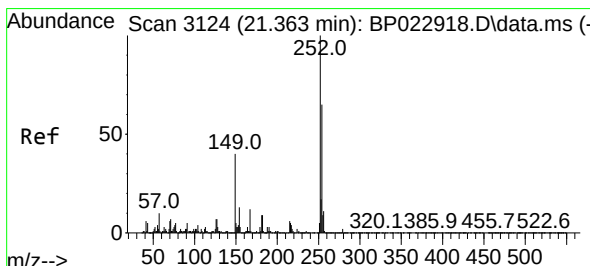
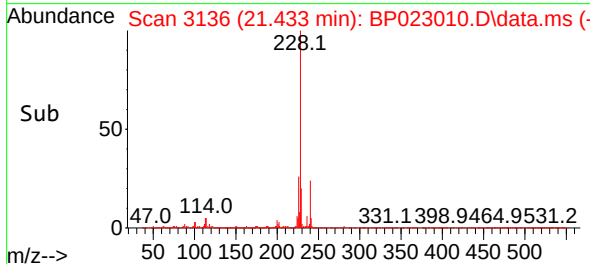
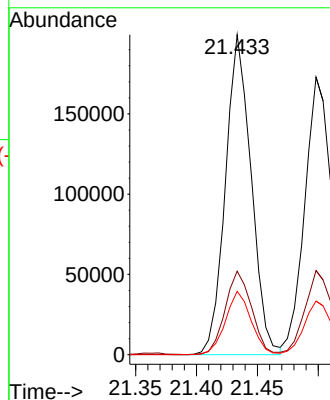
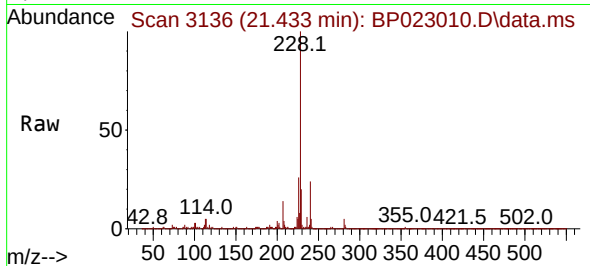
#81
Benzo(a)anthracene
Concen: 8.229 ng
RT: 21.433 min Scan# 3136
Delta R.T. -0.011 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:228 Resp: 29288
Ion Ratio Lower Upper
228 100
226 26.1 21.8 32.6
229 19.8 16.0 24.0

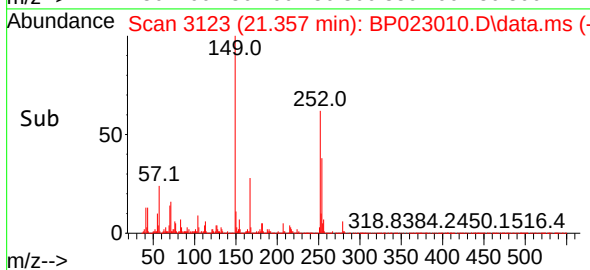
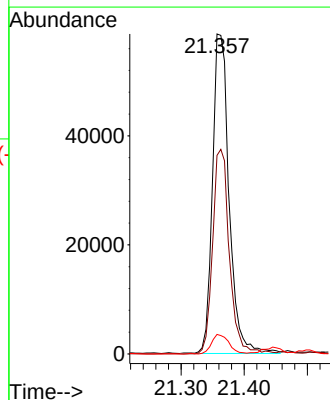
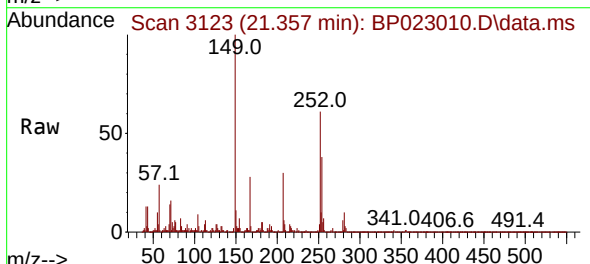
Manual Integrations
APPROVED

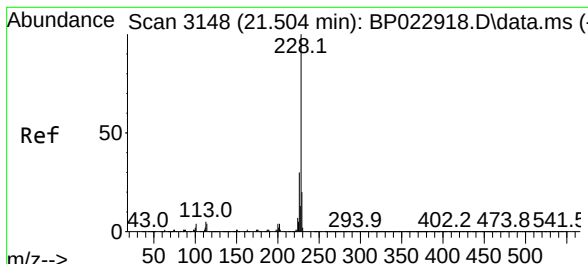
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#82
3,3'-Dichlorobenzidine
Concen: 7.436 ng
RT: 21.357 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:252 Resp: 107137
Ion Ratio Lower Upper
252 100
254 62.1 51.7 77.5
126 6.1 5.4 8.0





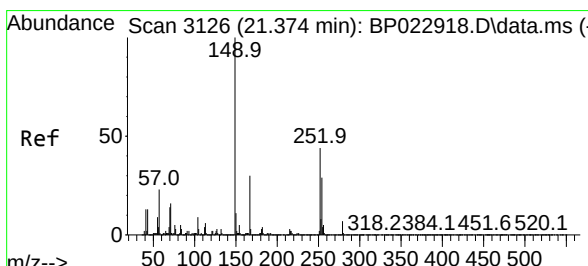
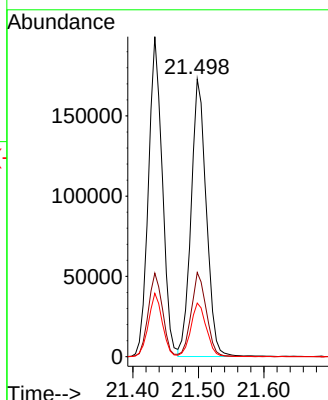
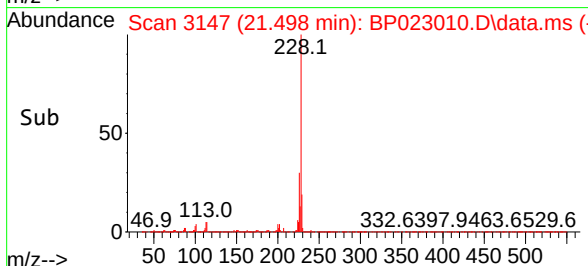
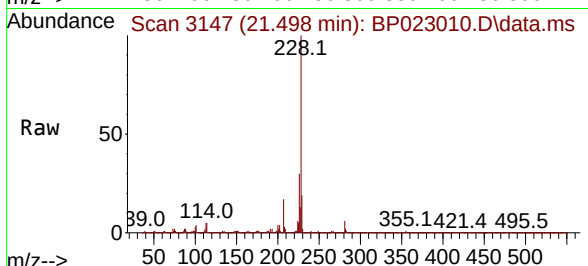
#83
 Chrysene
 Concen: 8.357 ng
 RT: 21.498 min Scan# 3148
 Delta R.T. -0.006 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:	228	Resp:	27860
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.8	35.6
229	19.3	15.8	23.8

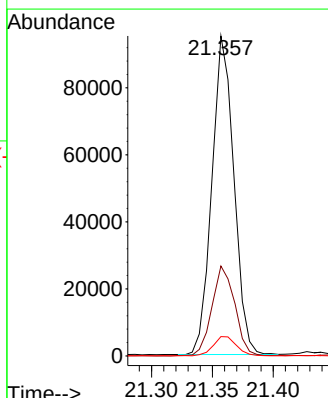
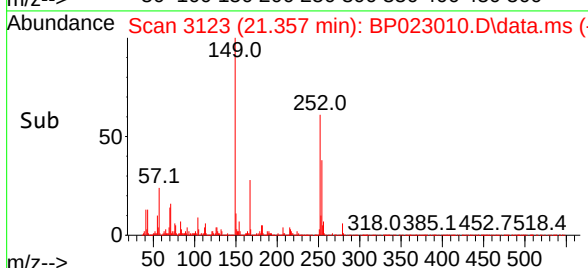
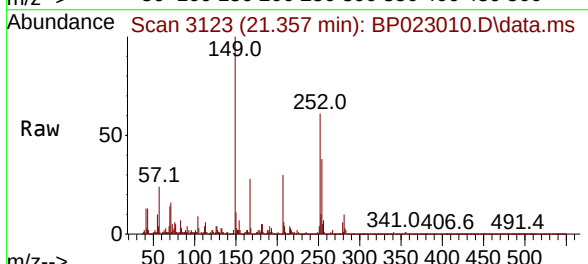
Manual Integrations
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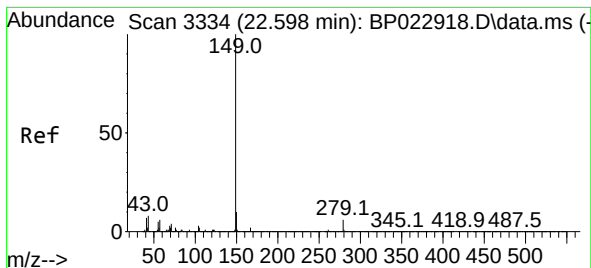
Reviewed By :Yogesh Patel 11/12/2024
 Supervised By :mohammad ahmed 11/12/2024



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.216 ng
 RT: 21.357 min Scan# 3123
 Delta R.T. -0.017 min
 Lab File: BP023010.D
 Acq: 11 Nov 2024 12:14

Tgt Ion:	149	Resp:	119534
Ion Ratio	Lower	Upper	
149	100		
167	28.1	23.7	35.5
279	6.1	5.3	7.9





#85

Di-n-octyl phthalate

Concen: 7.364 ng

RT: 22.580 min Scan# 31

Delta R.T. -0.017 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

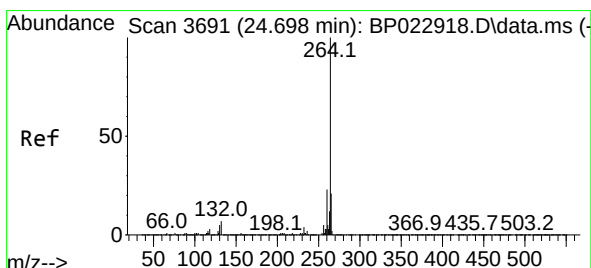
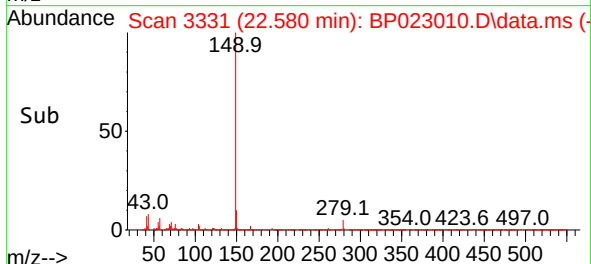
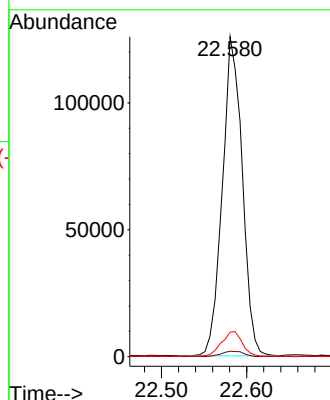
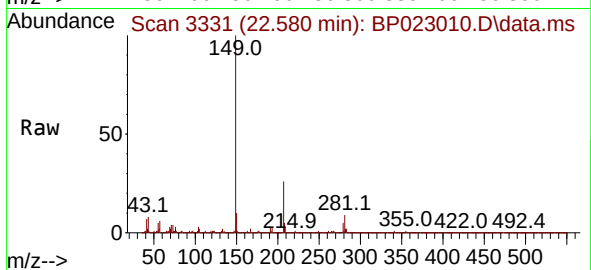
Tgt Ion:	149	Resp:	20385
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.4	2.0
43	8.2	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#86

Perylene-d12

Concen: 20.000 ng

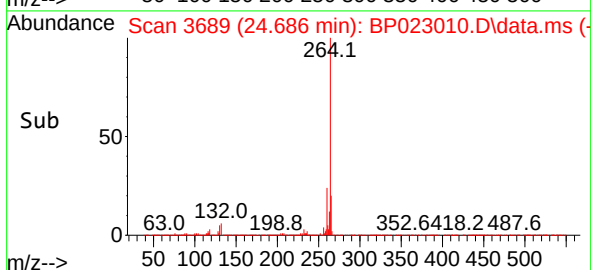
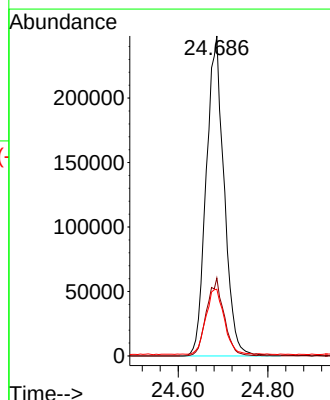
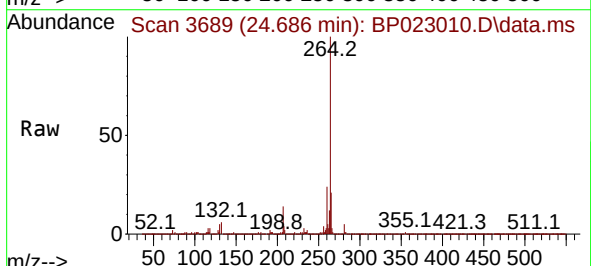
RT: 24.686 min Scan# 3689

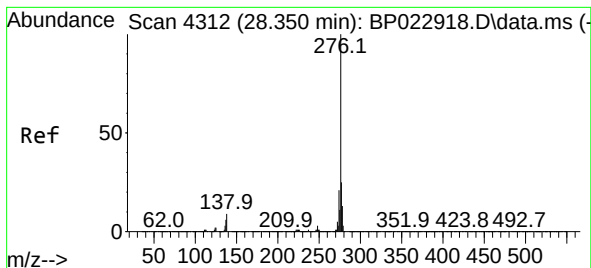
Delta R.T. -0.011 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Tgt Ion:	264	Resp:	685062
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.6	28.0
265	20.8	17.4	26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.447 ng

RT: 28.345 min Scan# 4312

Delta R.T. -0.006 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

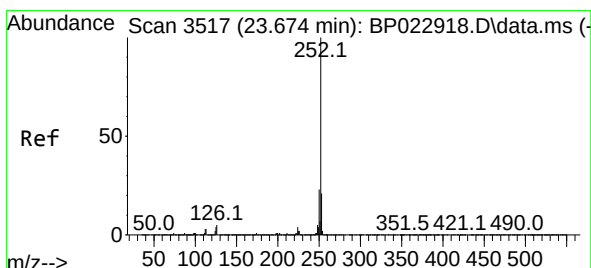
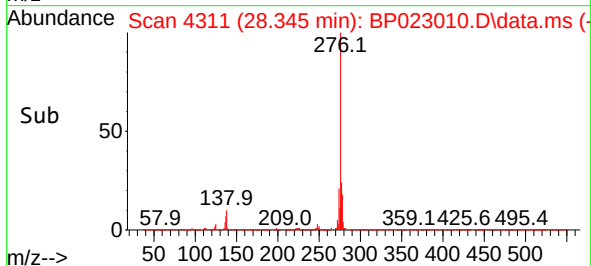
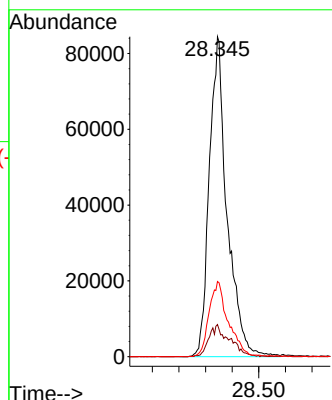
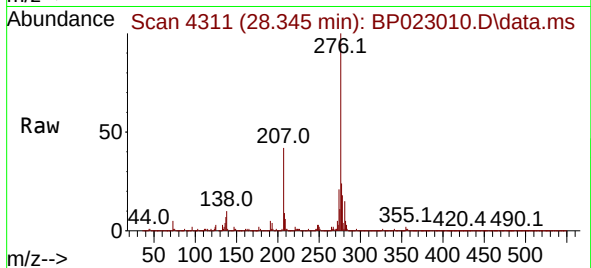
Tgt Ion:	276	Resp:	390290
Ion Ratio	Lower	Upper	
276	100		
138	11.6	8.7	13.1
277	25.4	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#88

Benzo(b)fluoranthene

Concen: 8.000 ng

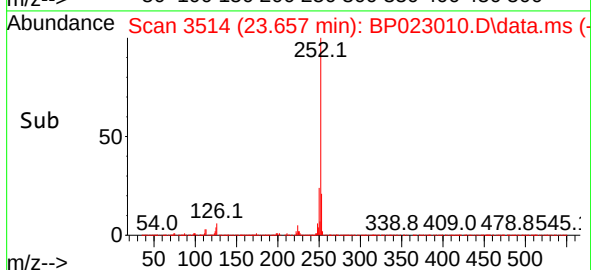
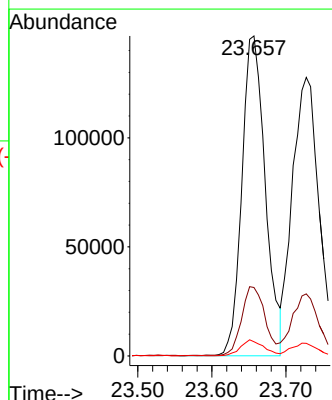
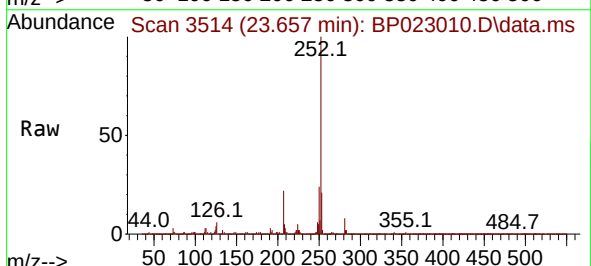
RT: 23.657 min Scan# 3514

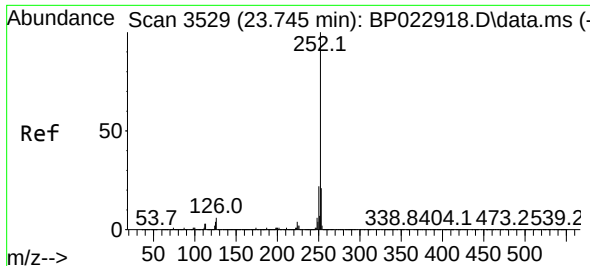
Delta R.T. -0.017 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

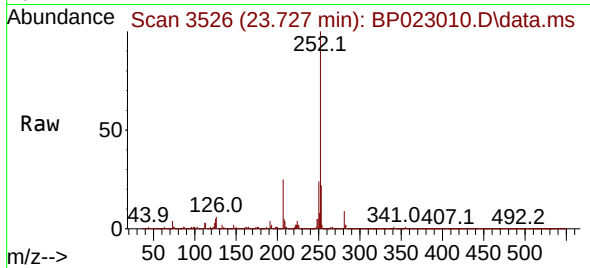
Tgt Ion:	252	Resp:	321968
Ion Ratio	Lower	Upper	
252	100		
253	21.4	16.8	25.2
125	4.4	3.2	4.8





#89
Benzo(k)fluoranthene
Concen: 8.401 ng
RT: 23.727 min Scan# 319270
Delta R.T. -0.017 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

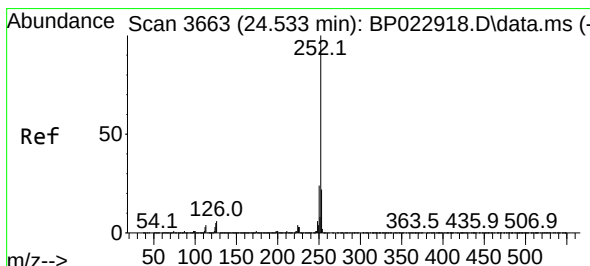
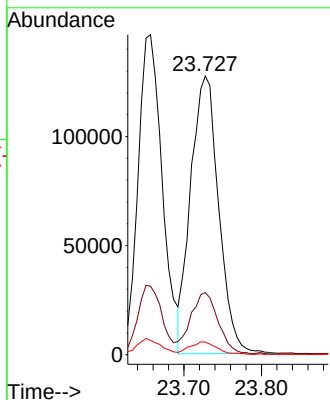
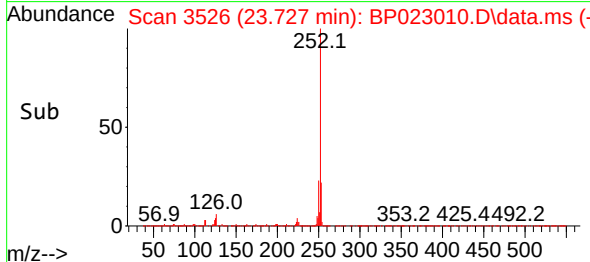
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:252 Resp: 319270
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 4.5 3.4 5.2

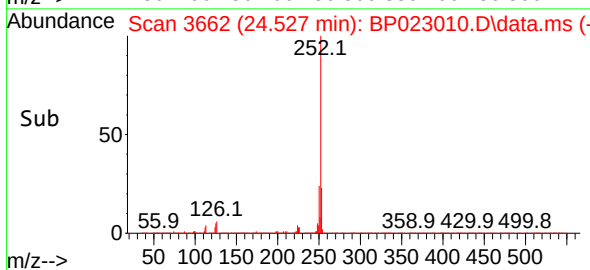
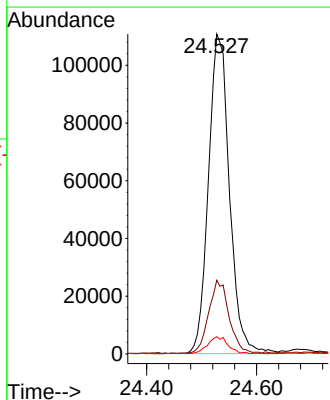
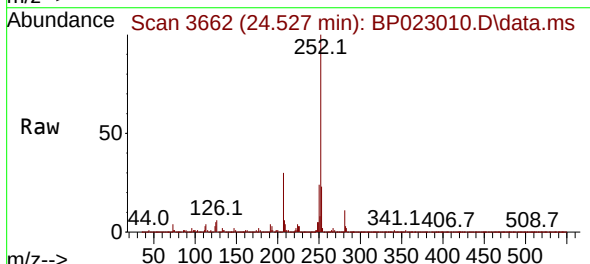
Manual Integrations
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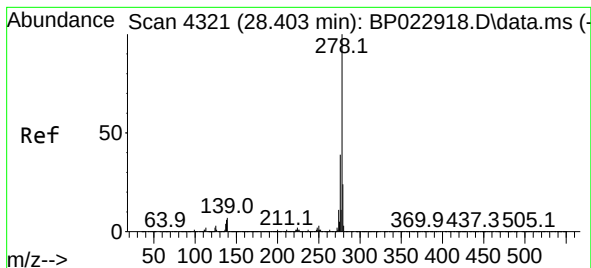
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :mohammad ahmed 11/12/2024



#90
Benzo(a)pyrene
Concen: 8.531 ng
RT: 24.527 min Scan# 3662
Delta R.T. -0.006 min
Lab File: BP023010.D
Acq: 11 Nov 2024 12:14

Tgt Ion:252 Resp: 293801
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 5.4 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 8.542 ng

RT: 28.398 min Scan# 41

Delta R.T. -0.006 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:278 Resp: 323650

Ion Ratio Lower Upper

278 100

139 7.5 5.4 8.2

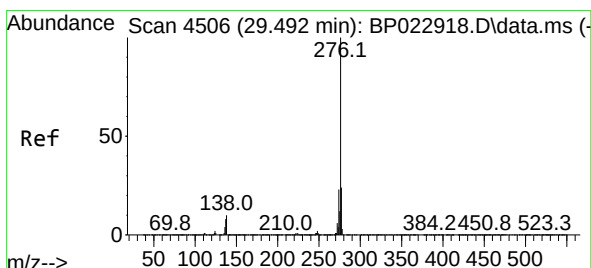
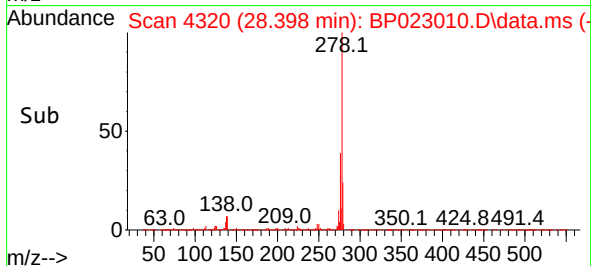
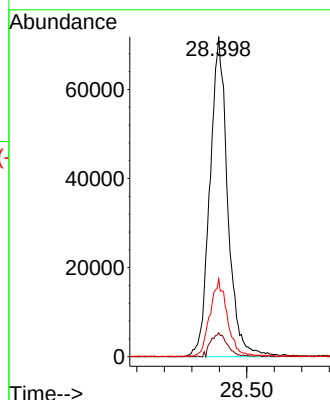
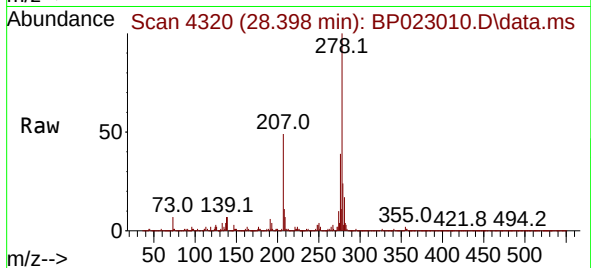
279 24.3 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/12/2024

Supervised By :mohammad ahmed 11/12/2024



#92

Benzo(g,h,i)perylene

Concen: 7.586 ng

RT: 29.492 min Scan# 4506

Delta R.T. 0.000 min

Lab File: BP023010.D

Acq: 11 Nov 2024 12:14

Tgt Ion:276 Resp: 294534

Ion Ratio Lower Upper

276 100

277 24.8 18.8 28.2

138 10.5 7.6 11.4

