

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP030521\
 Data File : BP004922.D
 Acq On : 05 Mar 2021 18:25
 Operator : CG/JU
 Sample : M1534-12
 Misc : SOM-MDL-S-05
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-05

Manual Integrations
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mohammad
 3/8/2021 9:36:47 AM

Quant Time: Mar 05 22:56:09 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP030521MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 05 22:20:13 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	28667	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	116334	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.39	164	78654	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.15	188	176425	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	197314	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	198934	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	3780	5.35	ng/uL	0.00
5) Phenol-d5	6.91	99	81470	37.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	47416	42.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	66611	38.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	65417	36.94	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	32172	38.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	37434	39.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	66373	35.36	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	86540	42.22	ng/ul	0.00
44) Dimethylphthalate-d6	13.80	166	221842	39.21	ng/ul	0.00
47) Acenaphthylene-d8	14.08	160	262662	37.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	35674	35.91	ng/ul	0.00
58) Fluorene-d10	15.39	176	194804	38.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.51	200	37622	32.57	ng/ul	0.00
71) Anthracene-d10	17.25	188	299786	37.84	ng/ul	0.00
79) Pyrene-d10	19.49	212	354283	39.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	401039	39.67	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.26	88	1127	1.632	ng/uL# 82
4) Benzaldehyde	6.89	77	6460	5.890	ng/ul 96
6) Phenol	6.94	94	8826	3.846	ng/ul# 88
8) Bis(2-Chloroethyl)ether	7.16	93	7206	4.250	ng/ul 95
10) 2-Chlorophenol	7.30	128	7280	3.995	ng/ul 92
11) 2-Methylphenol	8.18	108	6271	3.578	ng/ul 96
12) 2,2'-oxybis(1-Chloropropan	8.26	45	7067m	4.110	ng/ul
14) Acetophenone	8.56	105	11418	3.906	ng/ul 96
15) N-Nitroso-di-n-propylamine	8.55	70	5362	3.914	ng/ul# 91
16) 4-Methylphenol	8.52	108	7125	3.792	ng/ul 100
17) Hexachloroethane	8.81	117	2953	3.693	ng/ul 96
20) Nitrobenzene	8.93	77	9062	4.170	ng/ul 94
21) Isophorone	9.46	82	14634	3.946	ng/ul 99
23) 2-Nitrophenol	9.65	139	3775m	3.670	ng/ul
24) 2,4-Dimethylphenol	9.71	107	8495m	3.679	ng/ul
25) Bis(2-Chloroethoxy)methane	9.95	93	8719	3.808	ng/ul# 94
27) 2,4-Dichlorophenol	10.18	162	6787	3.683	ng/ul 89
28) Naphthalene	10.58	128	23753	3.910	ng/ul 97
30) 4-Chloroaniline	10.69	127	9448	4.534	ng/ul 94
31) Hexachlorobutadiene	10.86	225	5448	3.722	ng/ul# 90
32) Caprolactam	11.50	113	1782m	3.087	ng/ul
33) 4-Chloro-3-methylphenol	11.83	107	7665	3.728	ng/ul 89
34) 2-Methylnaphthalene	12.20	142	17012	3.920	ng/ul 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

35) 1-Methylnaphthalene	12.42	142	15792	3.757	ng/ul	96
37) 1,2,4,5-Tetrachlorobenzene	12.57	216	9159	3.351	ng/ul#	84
38) Hexachlorocyclopentadiene	12.55	237	5146	2.960	ng/ul	98
39) 2,4,6-Trichlorophenol	12.82	196	5251	3.260	ng/ul	90
40) 2,4,5-Trichlorophenol	12.89	196	5645	3.213	ng/ul	93
41) 1,1'-Biphenyl	13.22	154	21565	3.734	ng/ul	98
42) 2-Chloronaphthalene	13.26	162	16660	3.608	ng/ul	94
43) 2-Nitroaniline	13.47	65	4352	3.539	ng/ul#	86
45) Dimethylphthalate	13.85	163	22190	3.780	ng/ul	97
46) 2,6-Dinitrotoluene	13.97	165	3907m	3.309	ng/ul	
48) Acenaphthylene	14.11	152	24665	3.718	ng/ul	96
49) 3-Nitroaniline	14.30	138	3889	3.777	ng/ul#	81
50) Acenaphthene	14.45	153	18037	3.729	ng/ul	90
51) 2,4-Dinitrophenol	14.50	184	2016m	2.530	ng/ul	
53) 4-Nitrophenol	14.61	109	4068m	3.901	ng/ul	
54) Dibenzofuran	14.79	168	26943	3.798	ng/ul	91
55) 2,4-Dinitrotoluene	14.76	165	5851	3.415	ng/ul#	91
56) 2,3,4,6-Tetrachlorophenol	15.02	232	5306	3.232	ng/ul#	95
57) Diethylphthalate	15.22	149	22806	3.931	ng/ul	95
59) Fluorene	15.44	166	22134	3.730	ng/ul#	98
60) 4-Chlorophenyl-phenylether	15.44	204	12455	3.778	ng/ul	98
61) 4-Nitroaniline	15.47	138	3838	3.232	ng/ul	94
64) 4,6-Dinitro-2-methylphenol	15.52	198	4080	3.499	ng/ul#	90
65) N-Nitrosodiphenylamine	15.66	169	18728	3.749	ng/ul	97
66) 4-Bromophenyl-phenylether	16.34	248	7477	3.706	ng/ul	96
67) Hexachlorobenzene	16.45	284	8478	3.667	ng/ul#	84
68) Atrazine	16.62	200	6283	3.097	ng/ul	91
69) Pentachlorophenol	16.80	266	4069	2.844	ng/ul#	88
70) Phenanthrene	17.19	178	36213	3.857	ng/ul	98
72) Anthracene	17.28	178	36902	3.859	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.18	216	10429	3.868	ng/uL	96
74) Pentachlorobenzene	14.71	250	9603	3.525	ng/uL	99
75) Carbazole	17.56	167	29574	3.565	ng/ul	94
76) Di-n-butylphthalate	18.12	149	32274	3.412	ng/ul	98
77) Fluoranthene	19.16	202	41464	3.587	ng/ul	99
80) Pvrene	19.52	202	46128	4.032	ng/ul	97
81) Butylbenzylphthalate	20.40	149	14443	3.584	ng/ul	94
82) 3,3'-Dichlorobenzidine	21.16	252	14004	3.411	ng/ul	92
83) Benzo(a)anthracene	21.22	228	43891	3.692	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.16	149	20734	3.440	ng/ul	97
85) Chrysene	21.27	228	46399	4.011	ng/ul	98
87) Di-n-octyl phthalate	22.05	149	36771	3.293	ng/ul	100
88) Benzo(b)fluoranthene	22.84	252	47850	3.887	ng/ul	97
89) Benzo(k)fluoranthene	22.88	252	44440	3.644	ng/ul	96
91) Benzo(a)pyrene	23.44	252	42196	3.875	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.89	276	52924	3.756	ng/ul	94
93) Dibenzo(a,h)anthracene	25.90	278	43593	3.621	ng/ul	99
94) Benzo(a,h,i)perylene	26.61	276	42753	3.638	ng/ul	95

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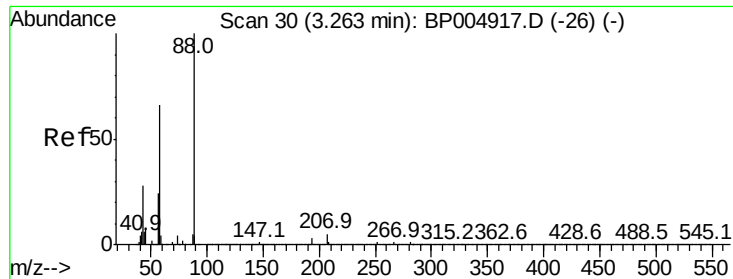
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#2

1,4-Dioxane

Concen: 1.632 ng/uL

RT: 3.26 min Scan# 30

Delta R.T. 0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

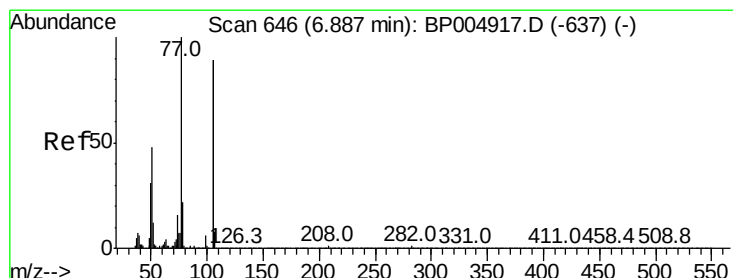
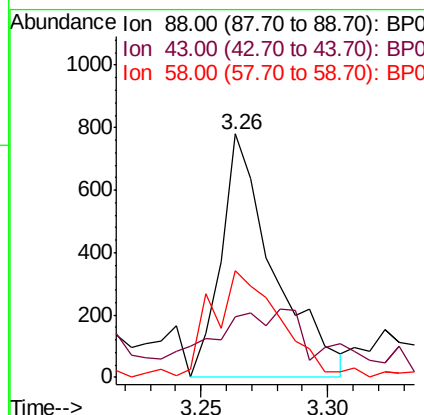
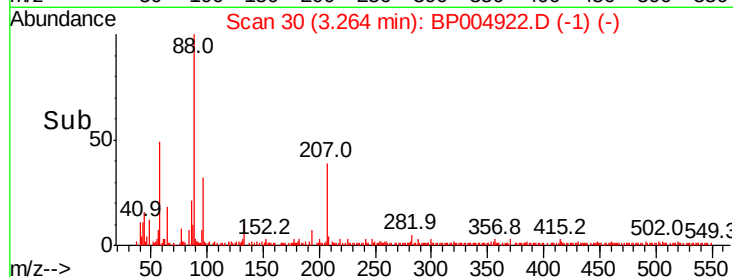
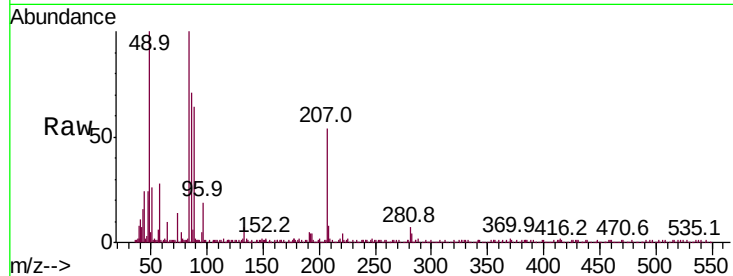
ClientSampleId :

MDL-SOIL-05

Tot Ion:	88	Resp:	1127
Ion Ratio	Lower	Upper	
88	100		
43	25.1	28.0	42.0#
58	44.0	46.3	69.5#

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#4

Benzaldehyde

Concen: 5.890 ng/uL

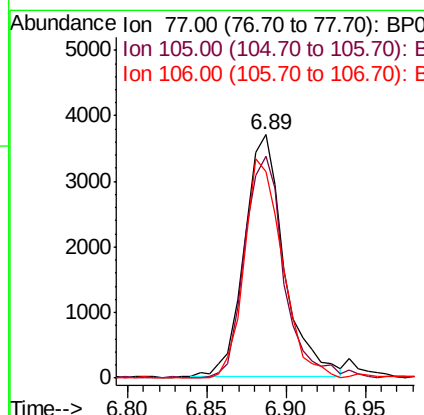
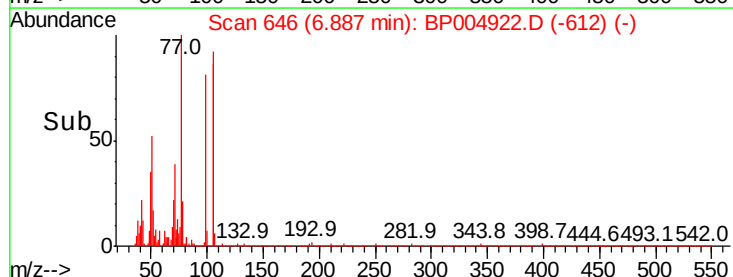
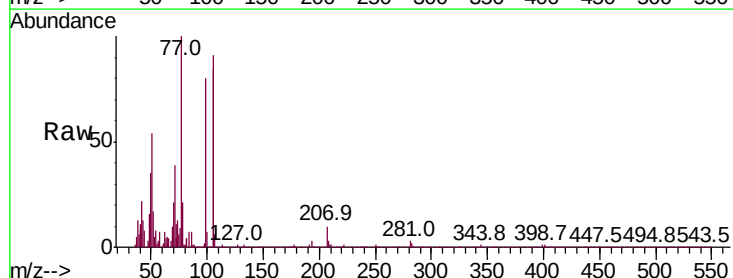
RT: 6.89 min Scan# 646

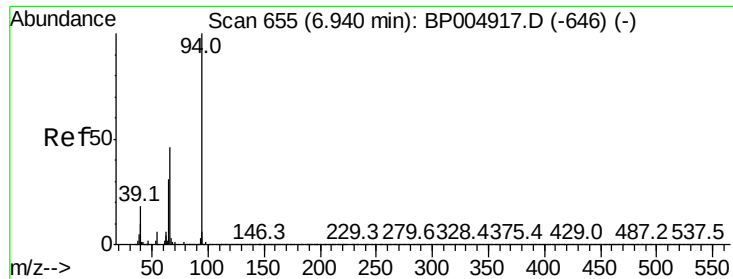
Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion:	77	Resp:	6460
Ion Ratio	Lower	Upper	
77	100		
105	91.1	71.7	107.5
106	85.1	72.3	108.5





#6

Phenol

Concen: 3.846 ng/ul

RT: 6.94 min Scan# 655

Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

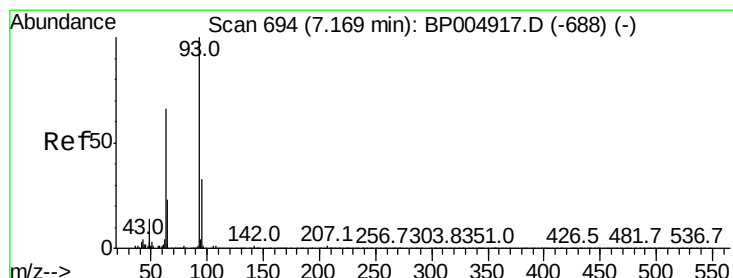
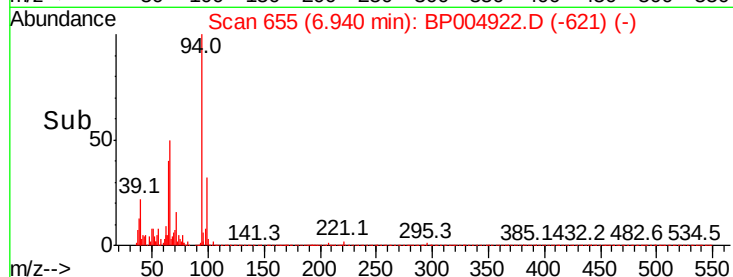
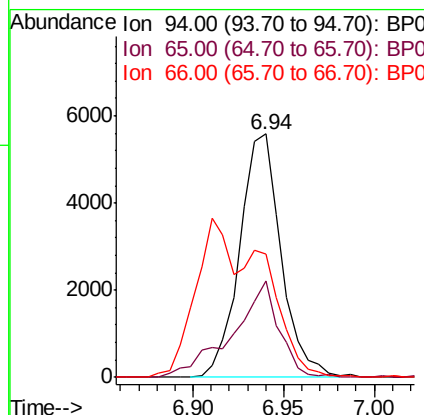
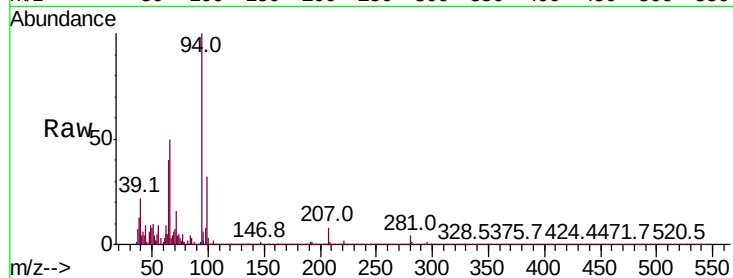
ClientSampleId :

MDL-SOIL-05

Tot Ion:	94	Resp:	8826
Ion Ratio	Lower	Upper	
94	100		
65	39.8	24.8	37.2#
66	50.5	35.4	53.2

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#8

Bis(2-Chloroethyl)ether

Concen: 4.250 ng/ul

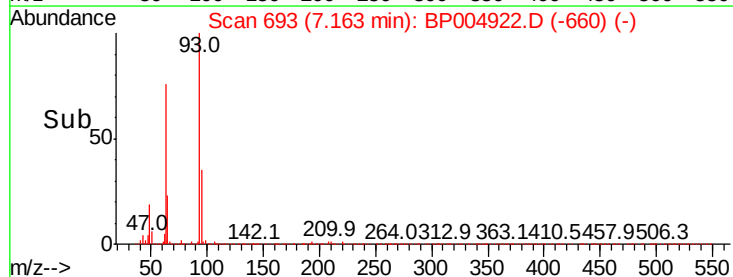
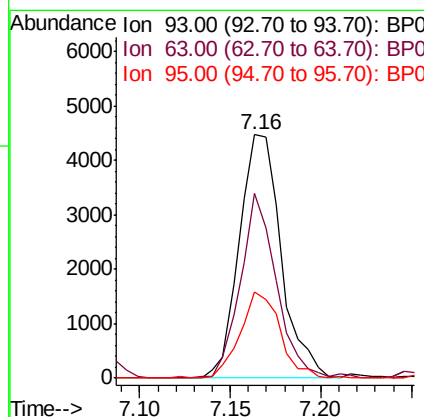
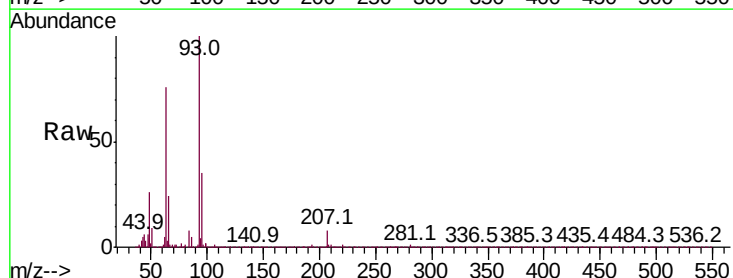
RT: 7.16 min Scan# 693

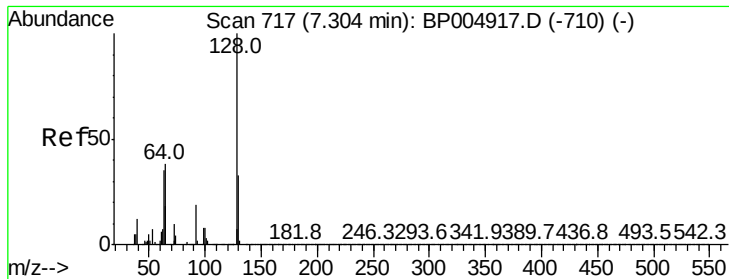
Delta R.T. -0.01 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion:	93	Resp:	7206
Ion Ratio	Lower	Upper	
93	100		
63	76.1	57.0	85.6
95	35.4	26.7	40.1





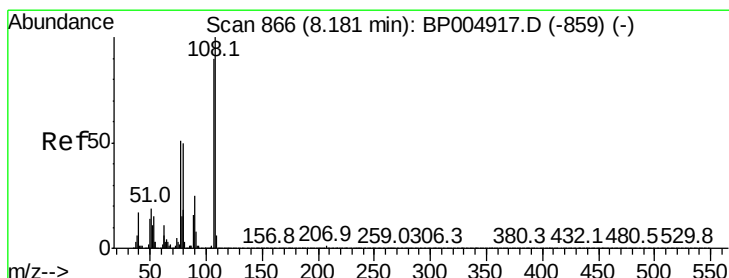
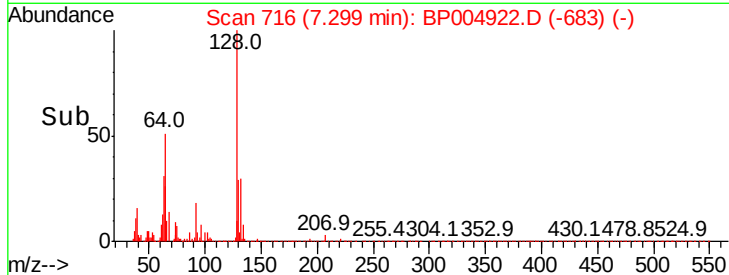
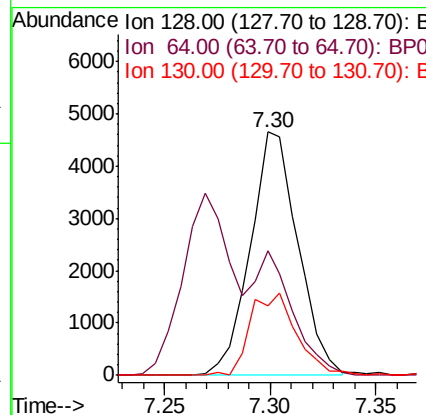
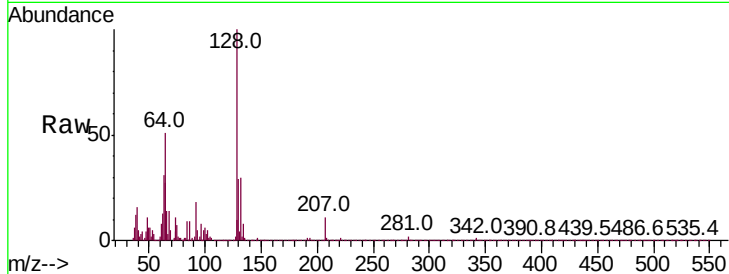
#10
2-Chlorophenol
Concen: 3.995 ng/ul
RT: 7.30 min Scan# 716
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
128	100		
64	51.0	35.6	53.4
130	28.5	25.0	37.6

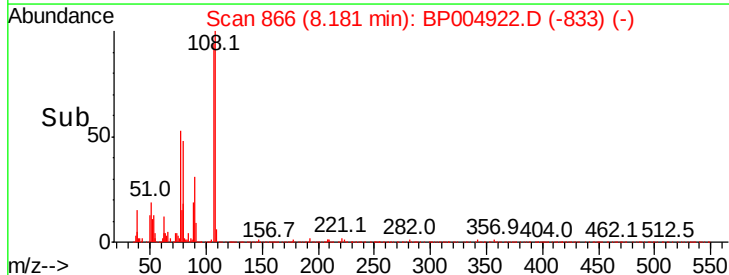
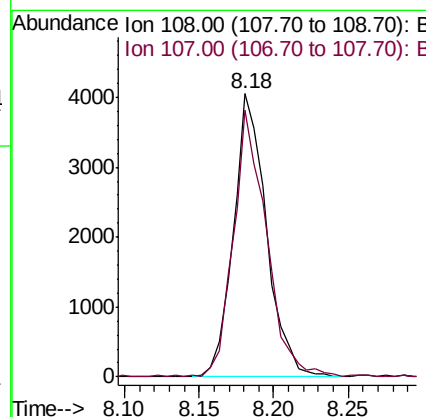
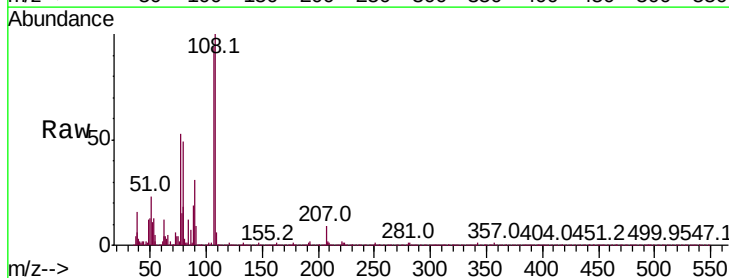
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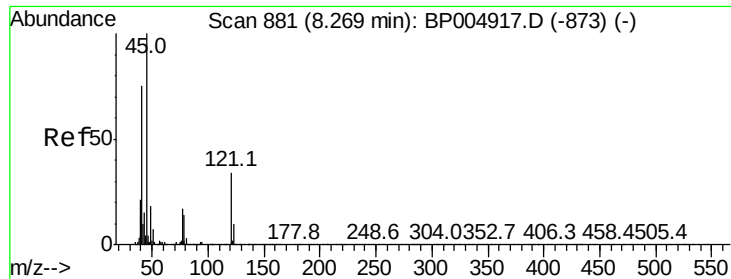
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#11
2-Methylphenol
Concen: 3.578 ng/ul
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
108	100		
107	94.3	72.6	109.0





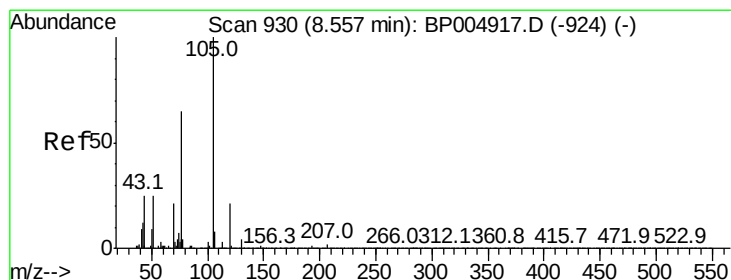
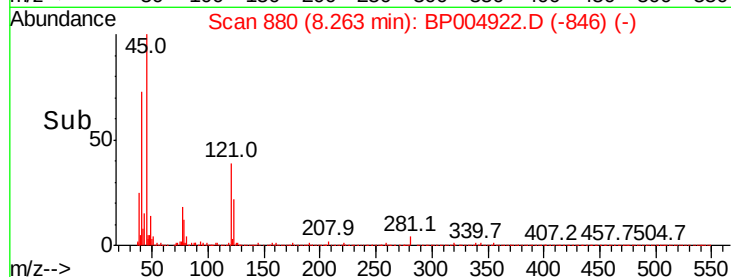
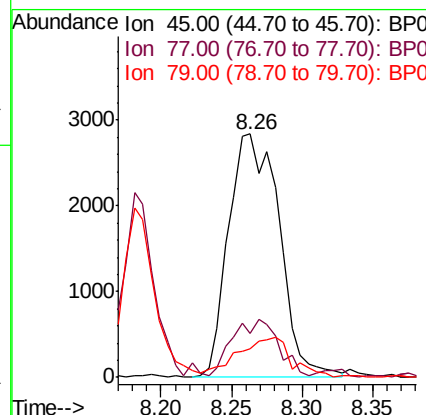
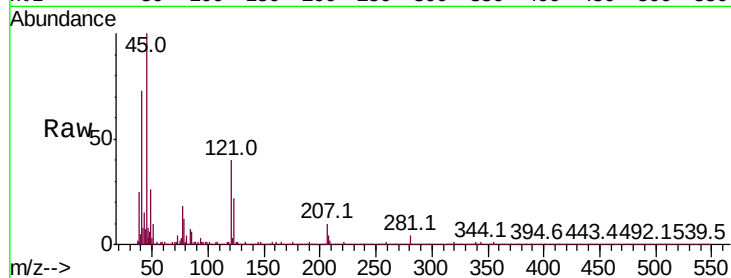
#12
2,2'-oxybis(1-Chloropropane)
Concen: 4.110 ng/ul m
RT: 8.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BP004922.D
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Tot Ion	Ratio	Lower	Upper
45	100		
77	18.0	14.8	22.2
79	11.9	11.0	16.4

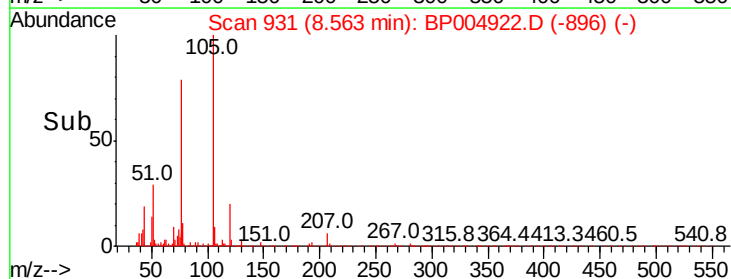
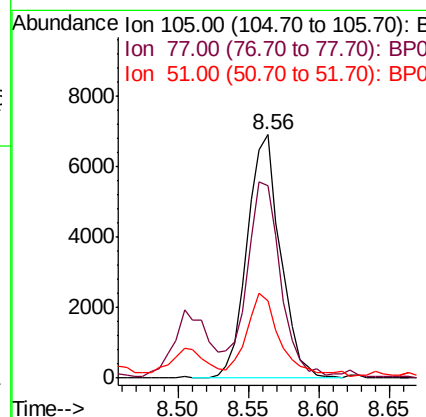
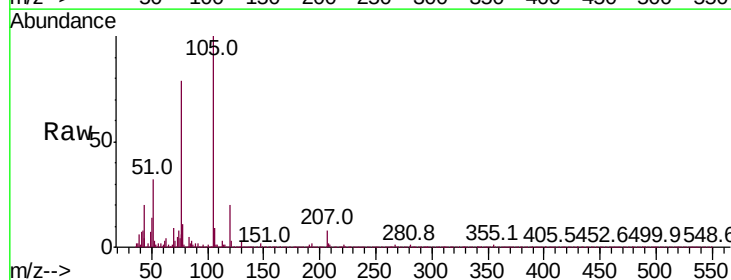
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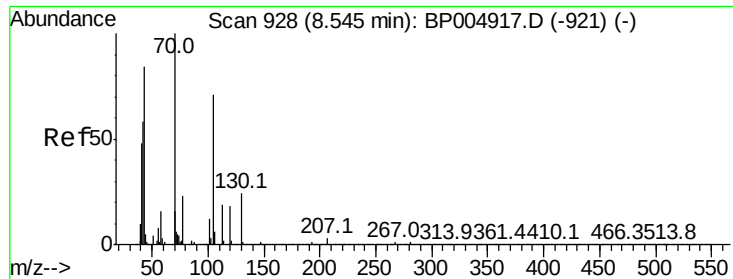
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#14
Acetophenone
Concen: 3.906 ng/ul
RT: 8.56 min Scan# 931
Delta R.T. 0.01 min
Lab File: BP004922.D
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Tgt Ion	Ratio	Lower	Upper
105	100		
77	78.8	61.4	92.2
51	31.8	22.0	33.0





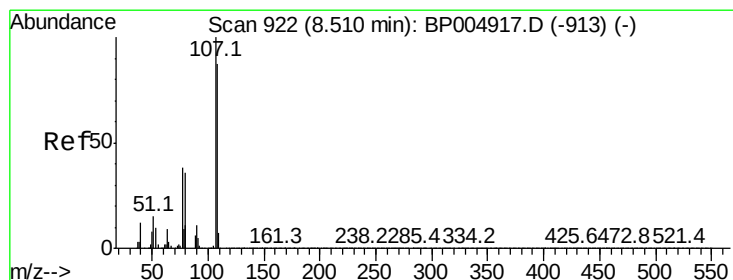
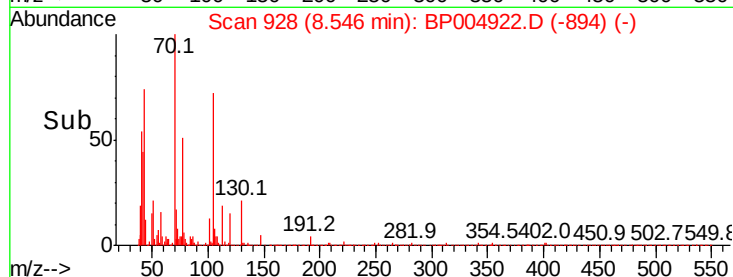
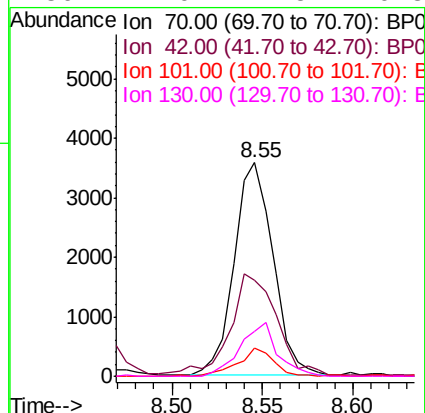
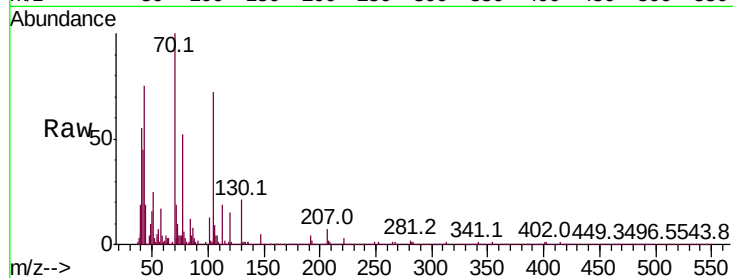
#15
N-Nitroso-di-n-propylamine
Concen: 3.914 ng/ul
RT: 8.55 min Scan# 928
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

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Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	45.0	43.2	64.8	
101	13.1	8.2	12.4	
130	21.0	17.5	26.3	

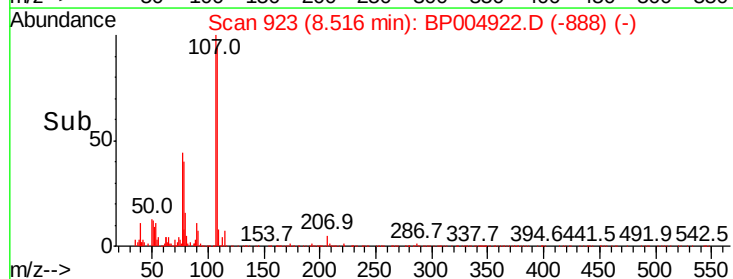
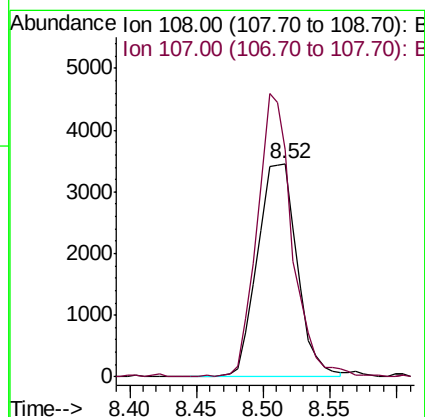
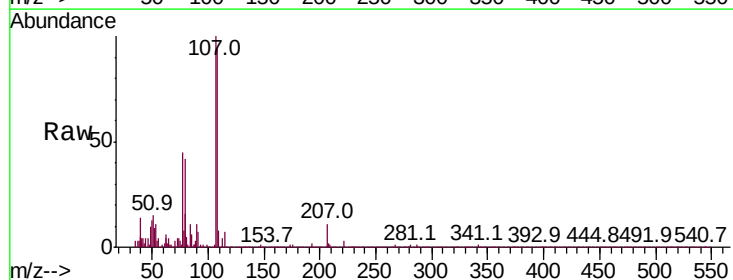
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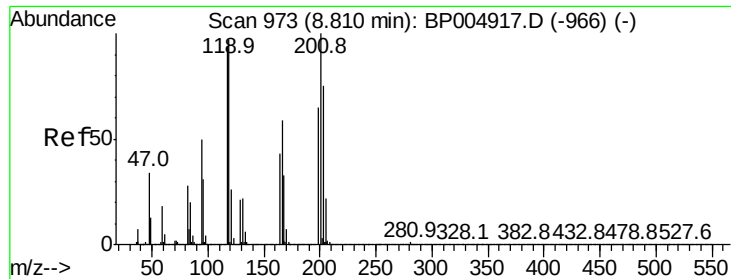
mohammad
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#16
4-Methylphenol
Concen: 3.792 ng/ul
RT: 8.52 min Scan# 923
Delta R.T. 0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ion	Ratio	Lower	Upper
108	100			
107	106.6	85.5	128.3	





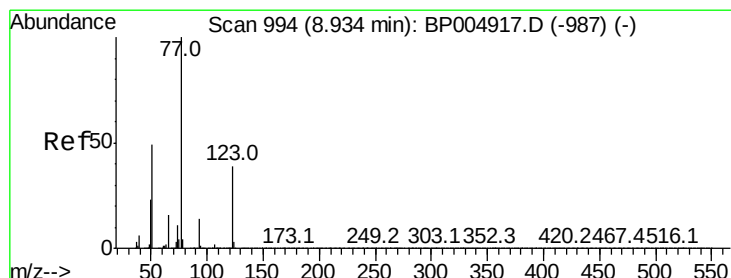
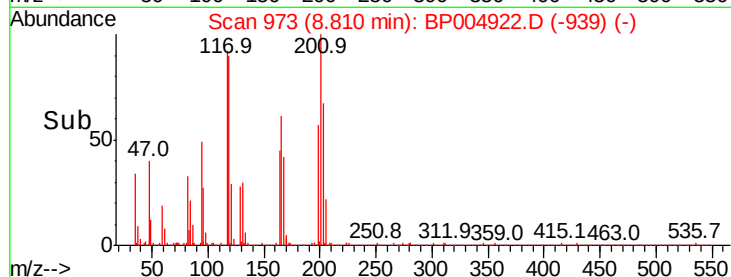
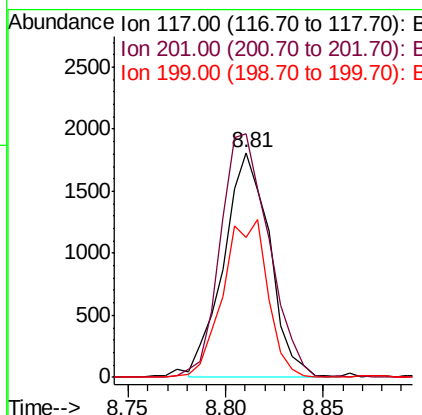
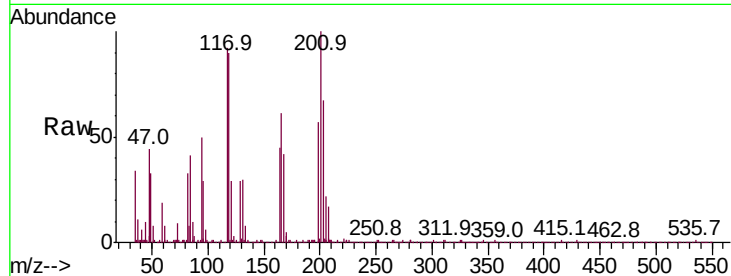
#17
Hexachloroethane
Concen: 3.693 ng/ul
RT: 8.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
117	100		
201	108.3	86.0	129.0
199	62.2	55.7	83.5

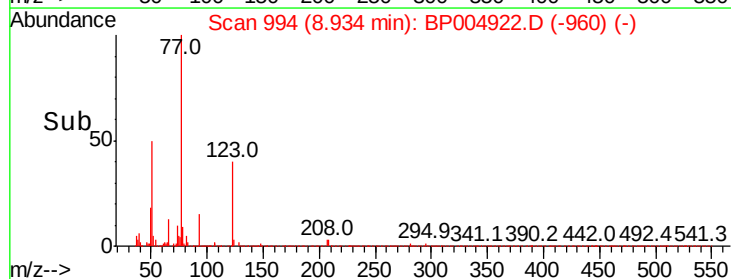
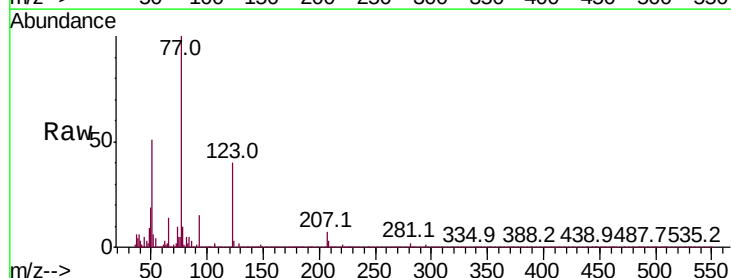
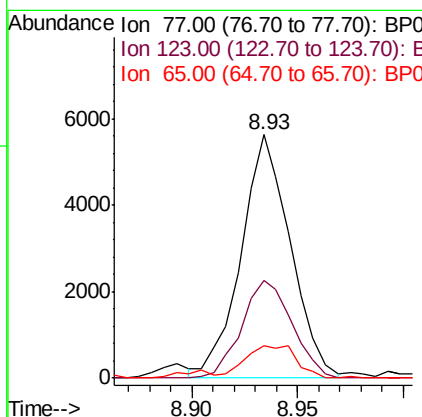
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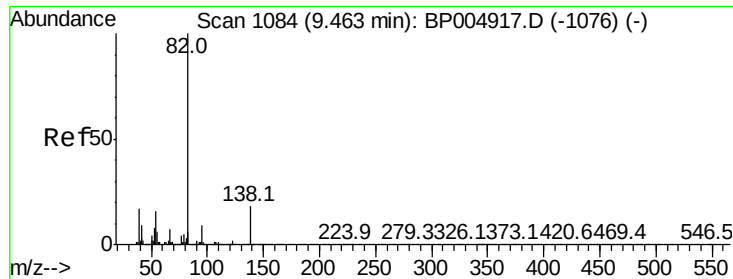
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#20
Nitrobenzene
Concen: 4.170 ng/ul
RT: 8.93 min Scan# 994
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.0	35.7	53.5
65	13.5	11.4	17.2





#21

Isophorone

Concen: 3.946 ng/ul

RT: 9.46 min Scan# 1084

Delta R.T. -0.00 min

Lab File: BP004922.D

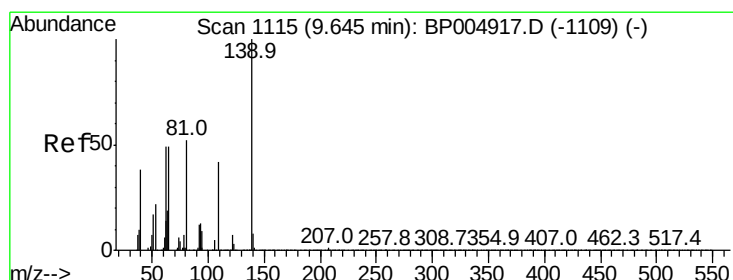
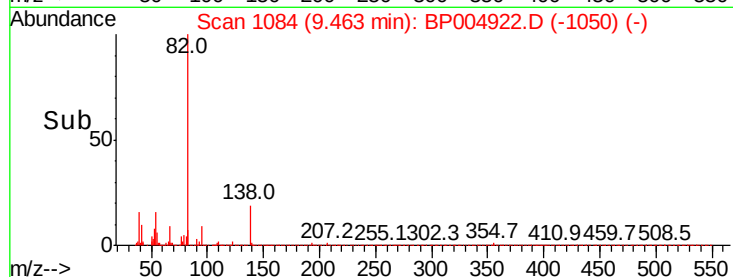
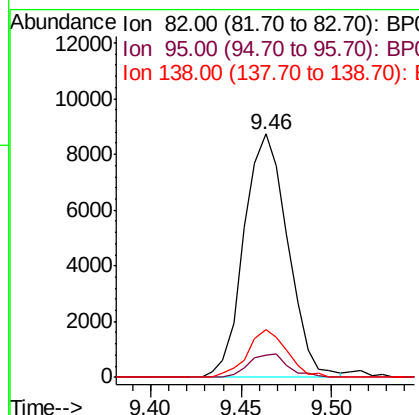
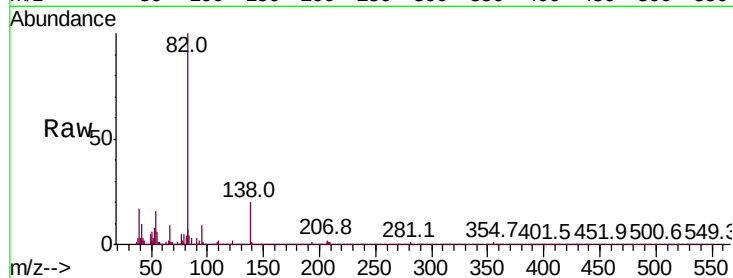
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	9.2	7.4	11.2	
138	19.6	15.3	22.9	

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#23

2-Nitrophenol

Concen: 3.670 ng/ul m

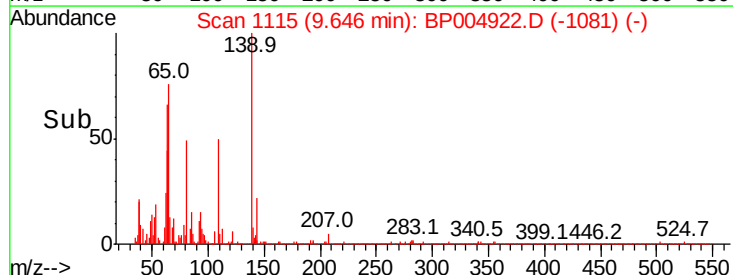
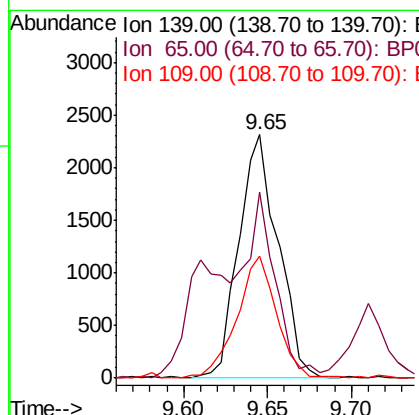
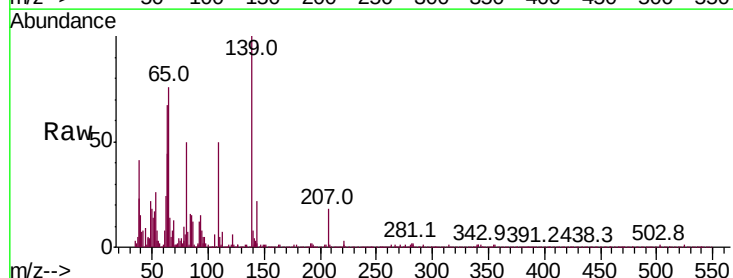
RT: 9.65 min Scan# 1115

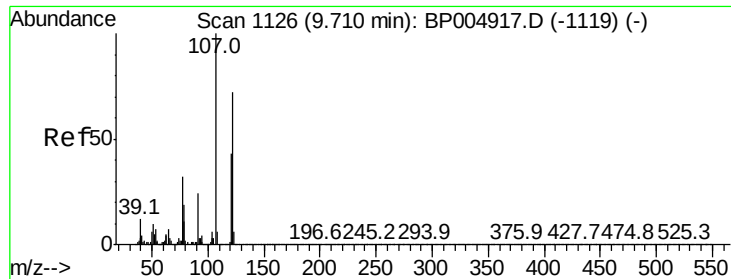
Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
65	76.2	46.2	69.4#	
109	50.2	35.9	53.9	





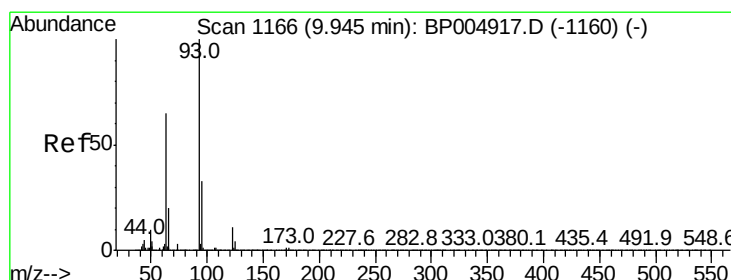
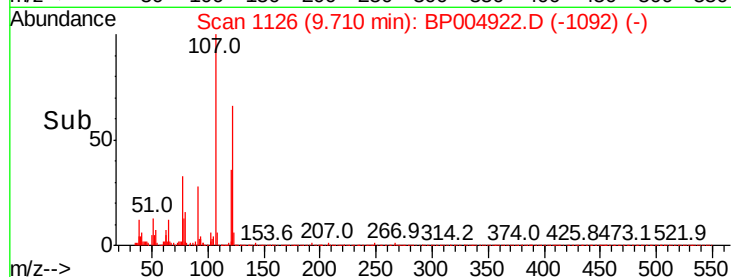
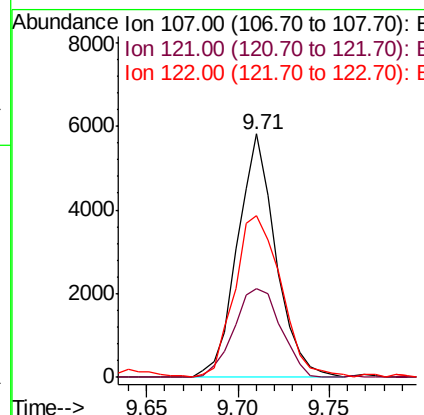
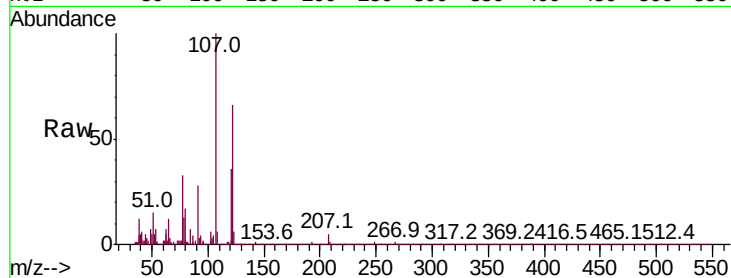
#24
2,4-Dimethylphenol
Concen: 3.679 ng/ul m
RT: 9.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
107	100		
121	36.4	39.4	59.2#
122	66.2	62.8	94.2

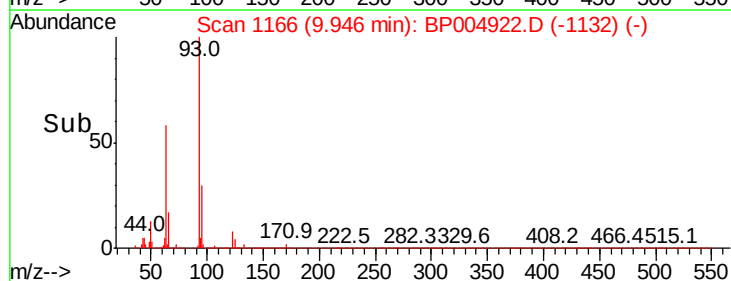
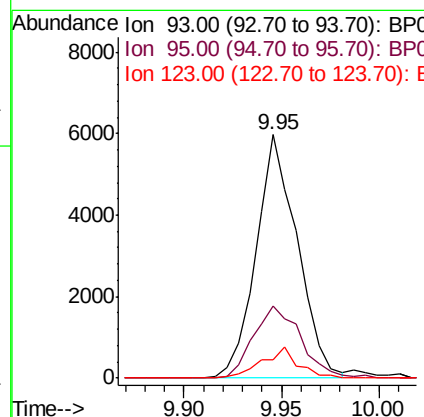
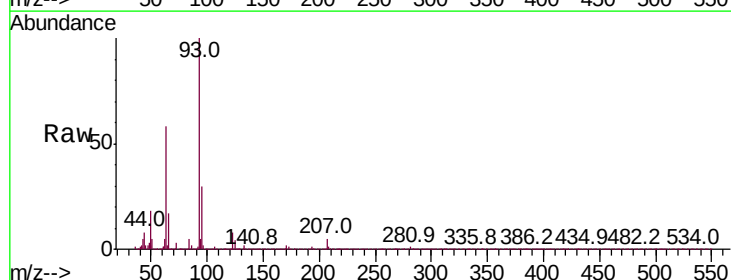
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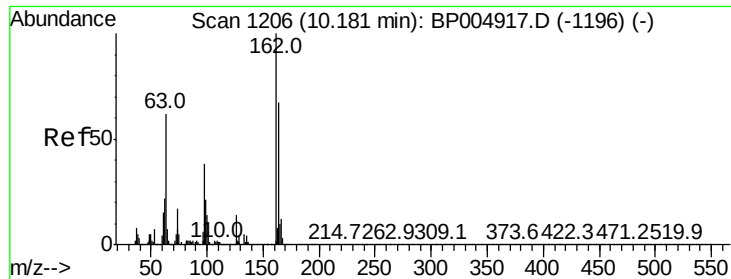
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#25
Bis(2-Chloroethoxy)methane
Concen: 3.808 ng/ul
RT: 9.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	29.6	25.0	37.6
123	7.5	10.1	15.1#





#27

2,4-Dichlorophenol

Concen: 3.683 ng/ul

RT: 10.18 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BP004922.D

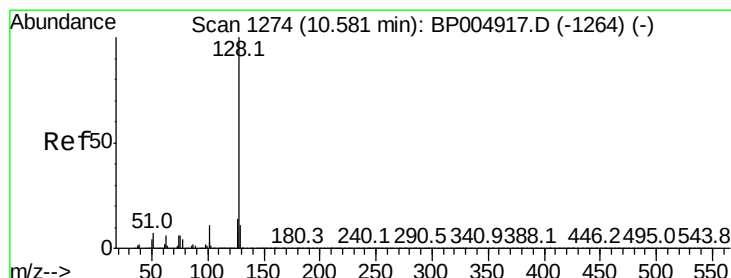
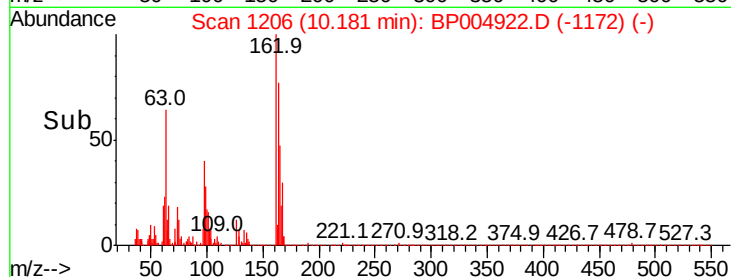
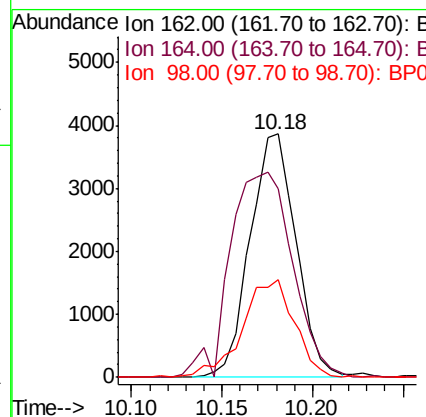
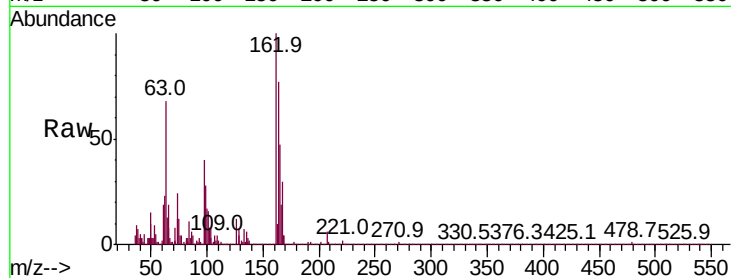
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion:	162	Resp:	6787
Ion Ratio	Lower	Upper	
162	100		
164	77.4	52.6	78.8
98	40.2	30.2	45.4

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#28

Naphthalene

Concen: 3.910 ng/ul

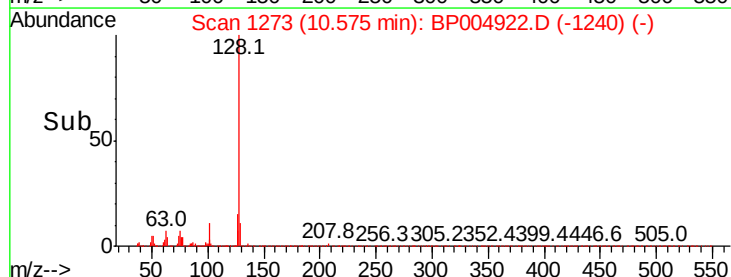
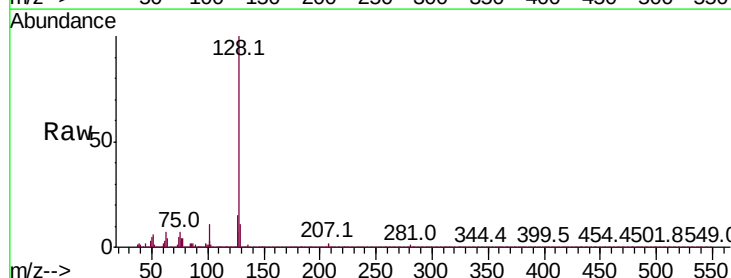
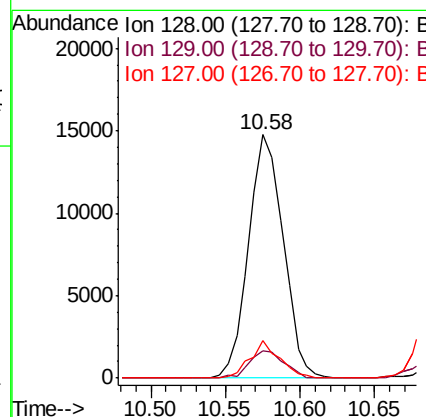
RT: 10.58 min Scan# 1273

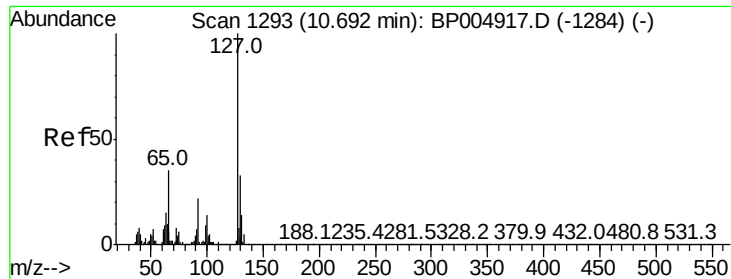
Delta R.T. -0.01 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion:	128	Resp:	23753
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.9	13.3
127	15.5	10.6	16.0





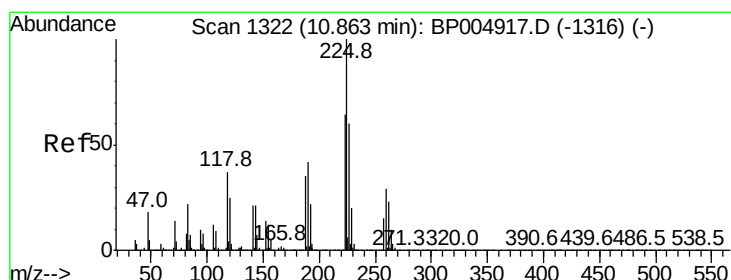
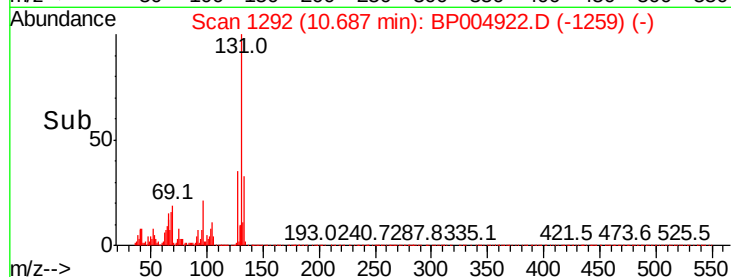
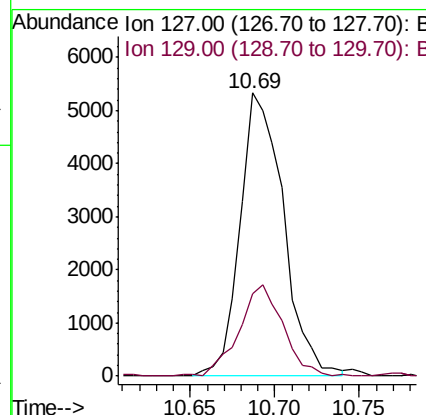
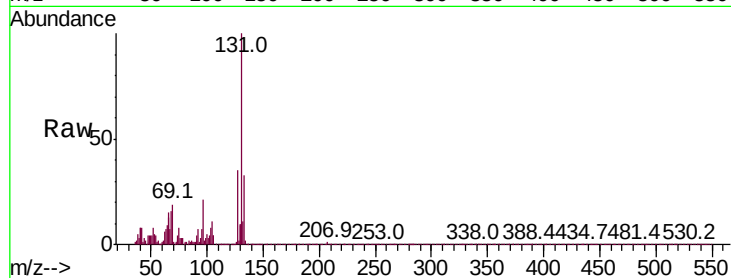
#30
4-Chloroaniline
Concen: 4.534 ng/ul
RT: 10.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion:127 Resp: 9448
Ion Ratio Lower Upper
127 100
129 29.1 25.8 38.6

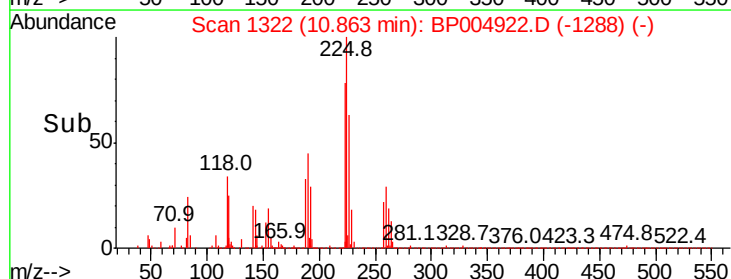
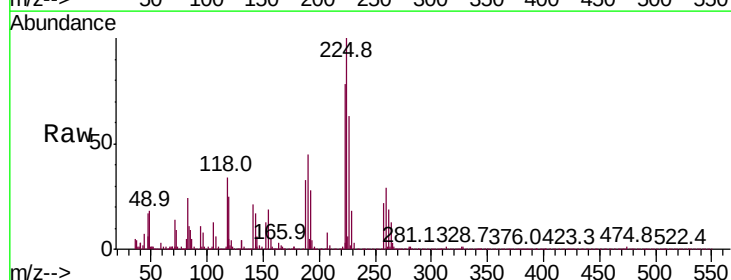
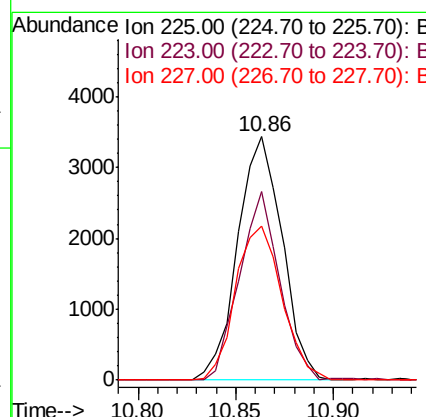
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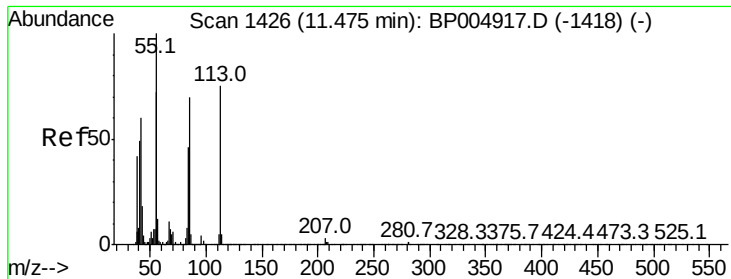
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#31
Hexachlorobutadiene
Concen: 3.722 ng/ul
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion:225 Resp: 5448
Ion Ratio Lower Upper
225 100
223 80.2 53.3 79.9#
227 64.8 54.5 81.7





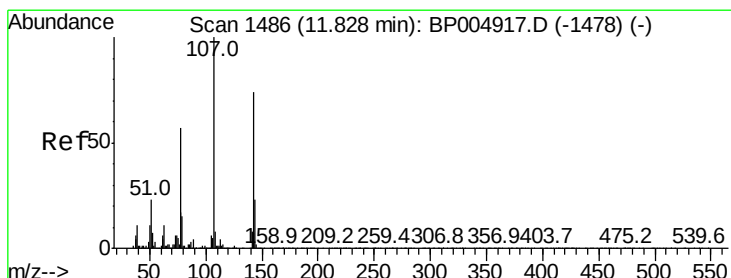
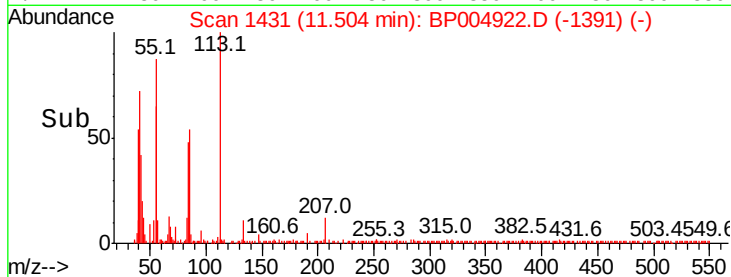
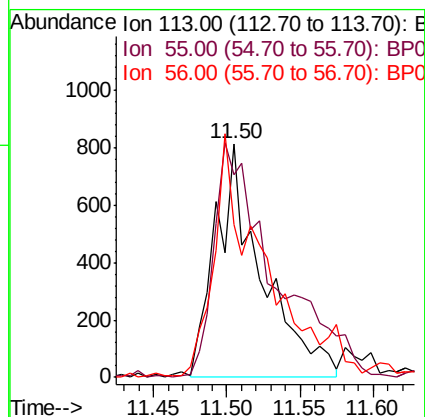
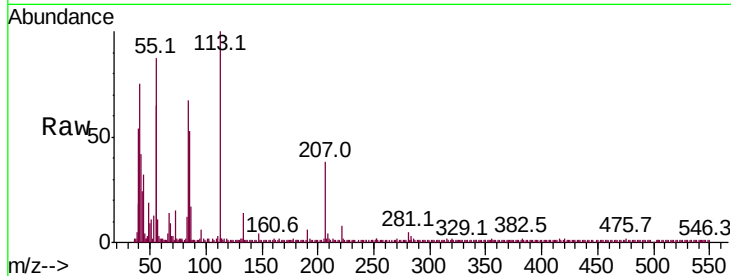
#32
 Caprolactam
 Concen: 3.087 ng/ul m
 RT: 11.50 min Scan# 1431
 Delta R.T. 0.04 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-05

Tot Ion:	113	Resp:	1782
Ion Ratio	Lower	Upper	
113	100		
55	86.6	77.4	116.0
56	65.2	64.6	97.0

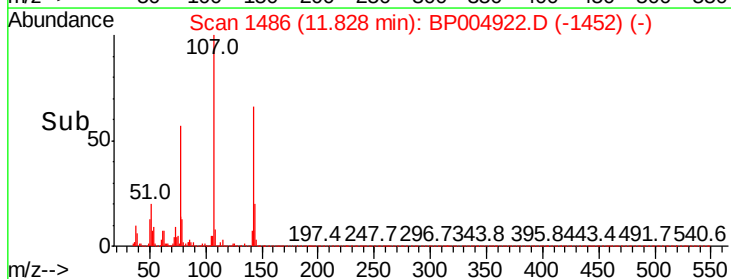
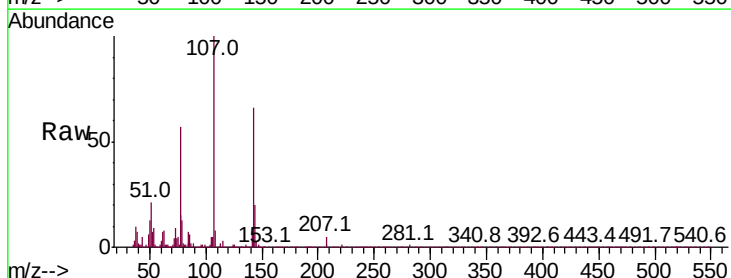
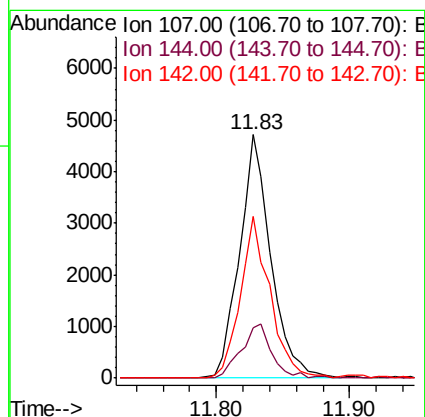
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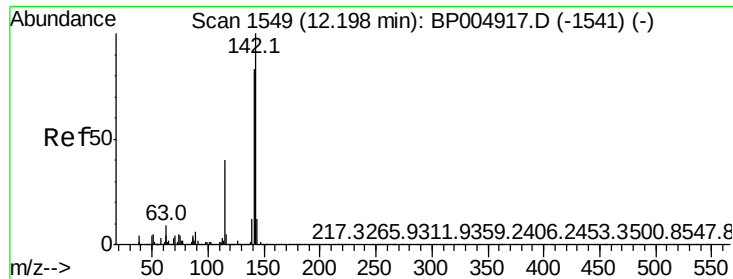
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#33
 4-Chloro-3-methylphenol
 Concen: 3.728 ng/ul
 RT: 11.83 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Tgt Ion:	107	Resp:	7665
Ion Ratio	Lower	Upper	
107	100		
144	20.4	20.3	30.5
142	66.2	61.0	91.4





#34

2-Methylnaphthalene

Concen: 3.920 ng/ul

RT: 12.20 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-05

Tot Ion:142 Resp: 17012

Ion Ratio Lower Upper

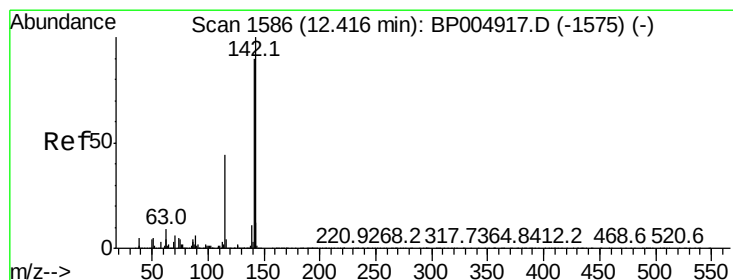
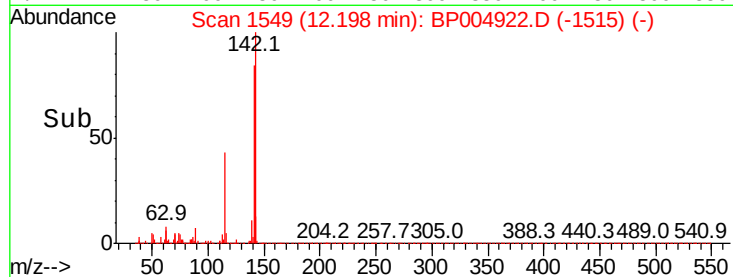
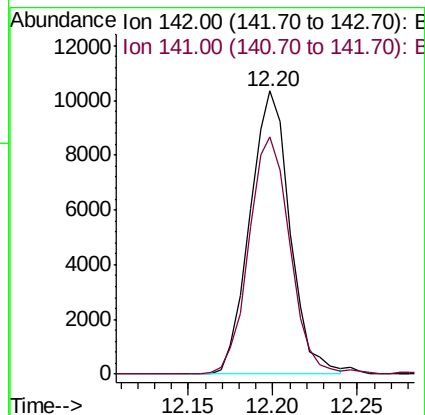
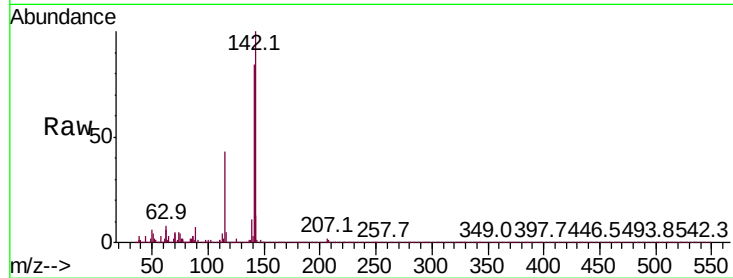
142 100

141 83.6 71.7 107.5

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#35

1-Methylnaphthalene

Concen: 3.757 ng/ul

RT: 12.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

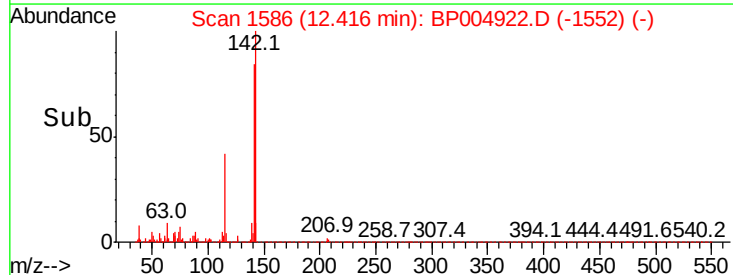
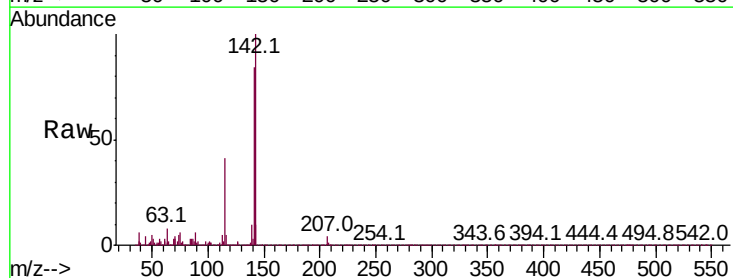
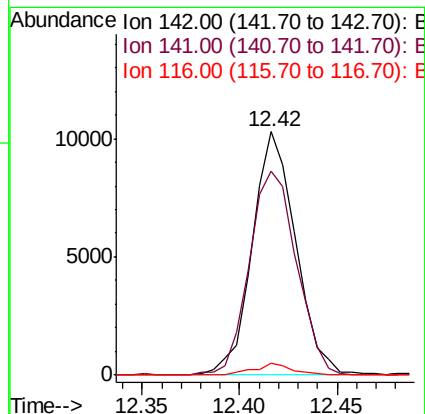
Tgt Ion:142 Resp: 15792

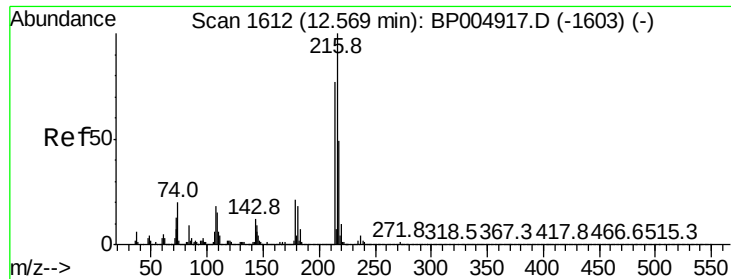
Ion Ratio Lower Upper

142 100

141 83.7 70.2 105.4

116 4.8 3.5 5.3





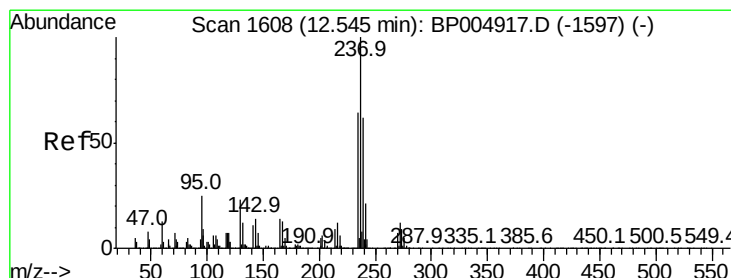
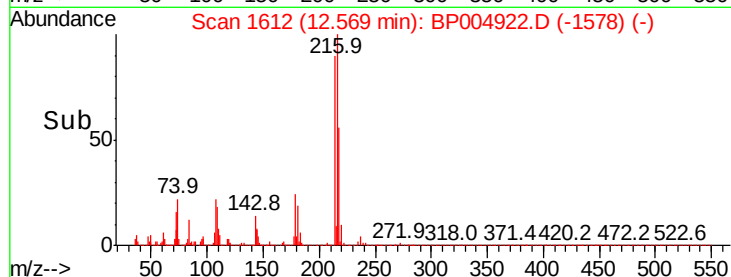
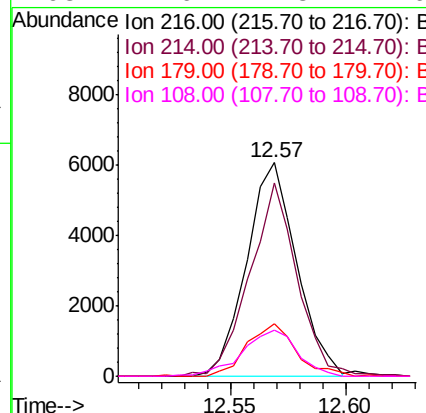
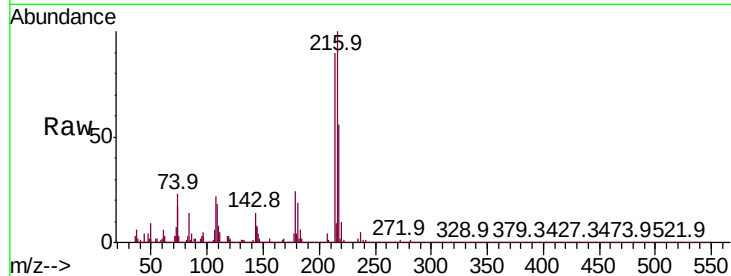
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 3.351 ng/ul
 RT: 12.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
216	100		
214	90.4	59.9	89.9#
179	24.5	15.9	23.9#
108	21.6	11.8	17.6#

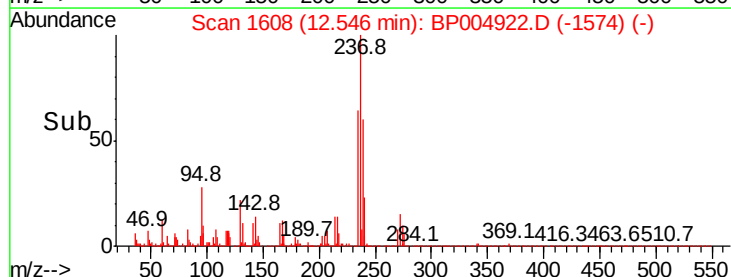
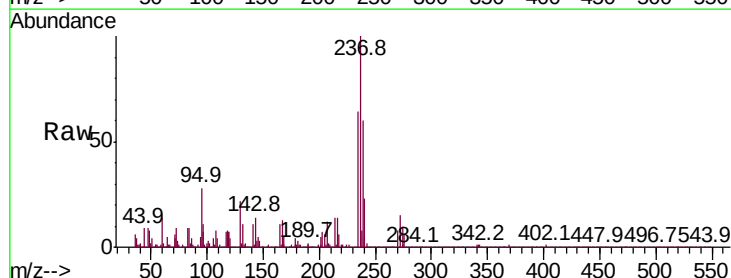
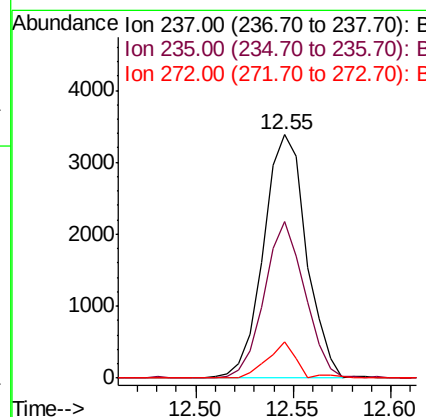
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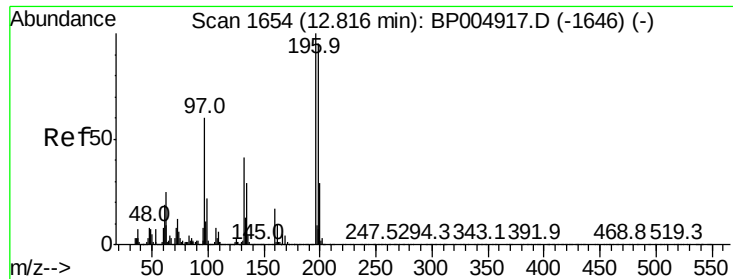
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#38
 Hexachlorocyclopentadiene
 Concen: 2.960 ng/ul
 RT: 12.55 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
237	100		
235	59.6	48.9	73.3
272	14.3	11.2	16.8





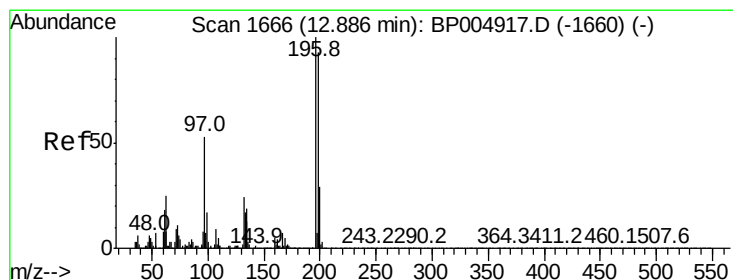
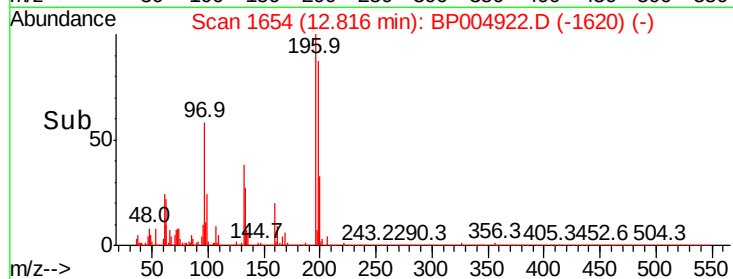
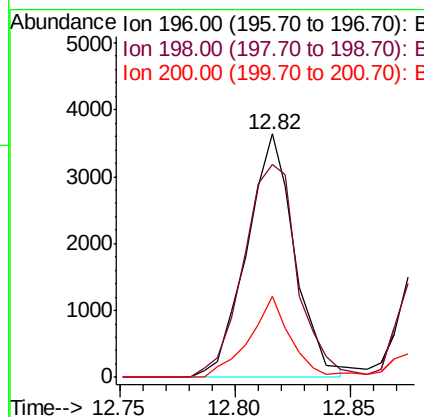
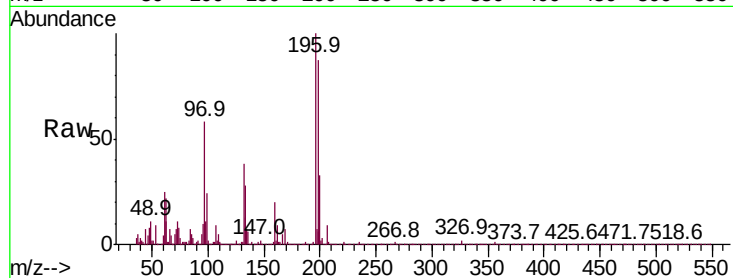
#39
 2,4,6-Trichlorophenol
 Concen: 3.260 ng/ul
 RT: 12.82 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Instrument :
 BNA_P
 ClientSampleID :
 MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
196	100		
198	87.5	79.2	118.8
200	33.5	25.0	37.4

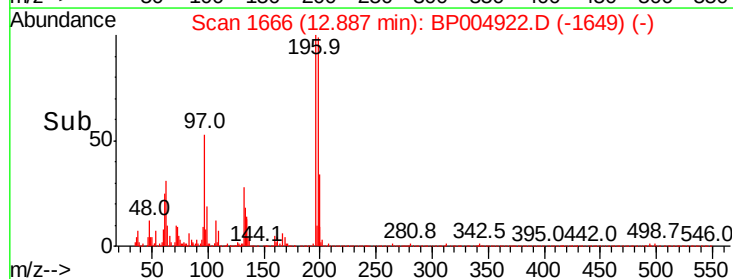
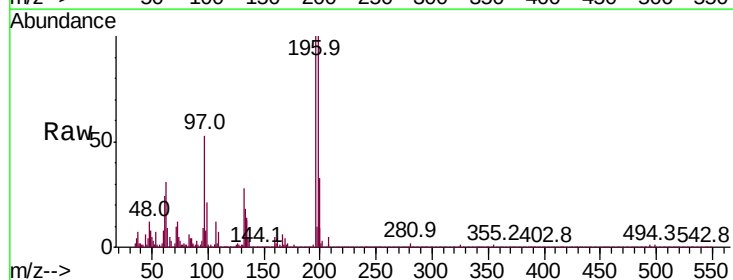
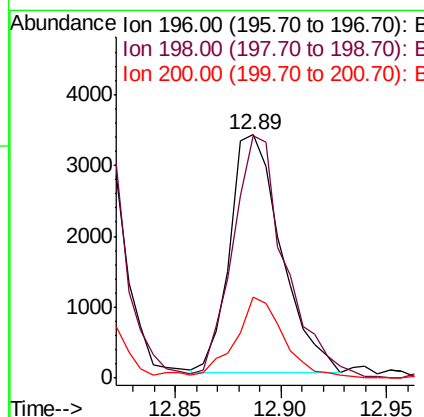
Manual Integrations
 APPROVED

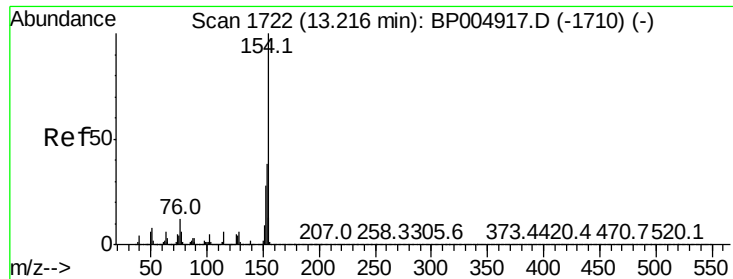
mohammad
 3/8/2021 9:36:47 AM



#40
 2,4,5-Trichlorophenol
 Concen: 3.213 ng/ul
 RT: 12.89 min Scan# 1666
 Delta R.T. -0.00 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
196	100		
198	99.7	73.0	109.4
200	33.4	26.2	39.2





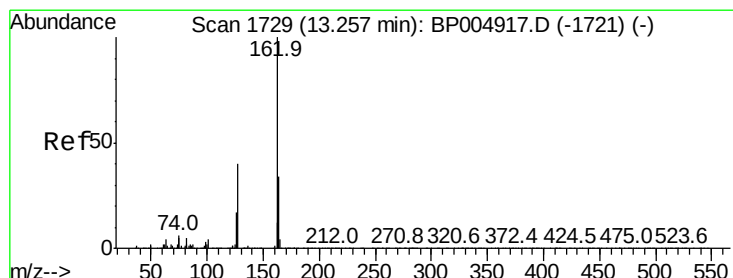
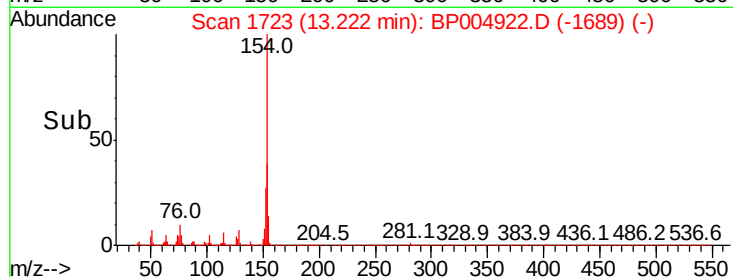
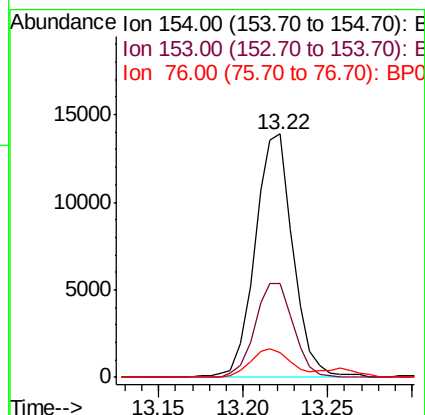
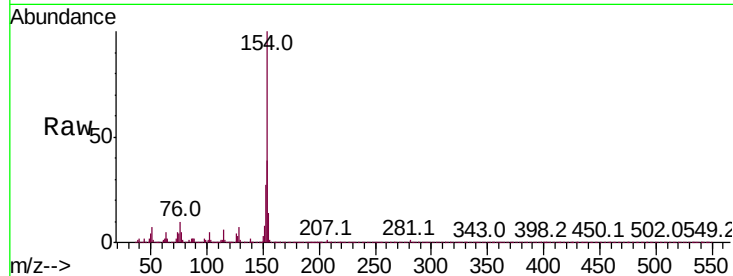
#41
1,1'-Biphenyl
Concen: 3.734 ng/ul
RT: 13.22 min Scan# 1723
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	38.5	32.0	48.0
76	10.3	8.7	13.1

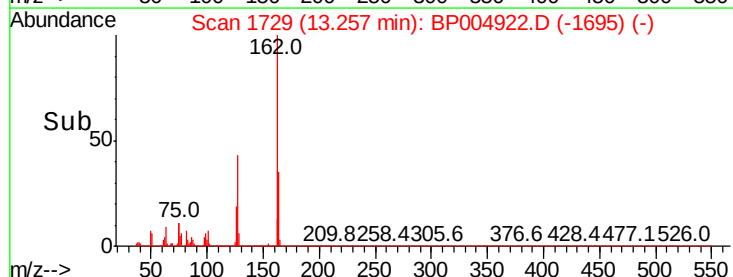
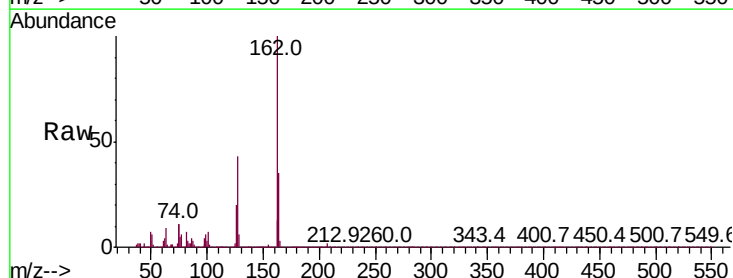
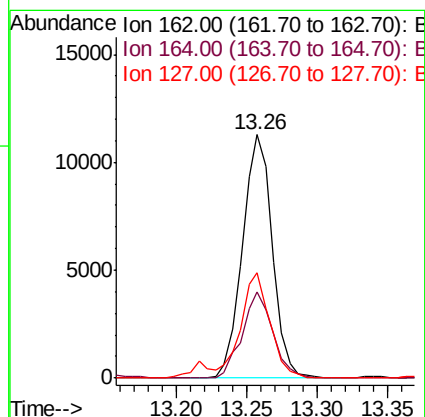
Manual Integrations
APPROVED

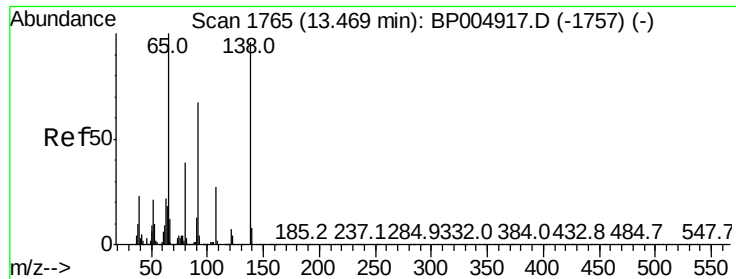
mohammad
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#42
2-Chloronaphthalene
Concen: 3.608 ng/ul
RT: 13.26 min Scan# 1729
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
164	35.5	25.4	38.0
127	43.1	31.6	47.4





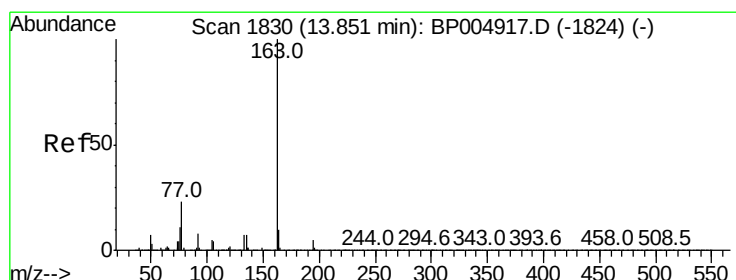
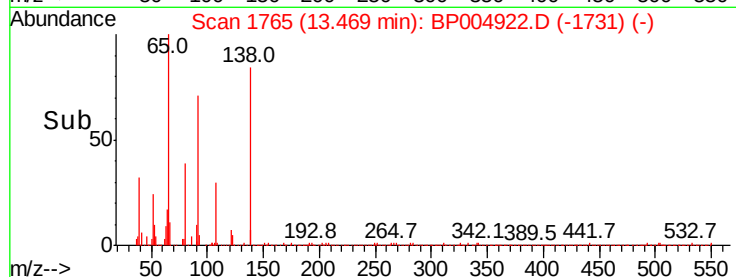
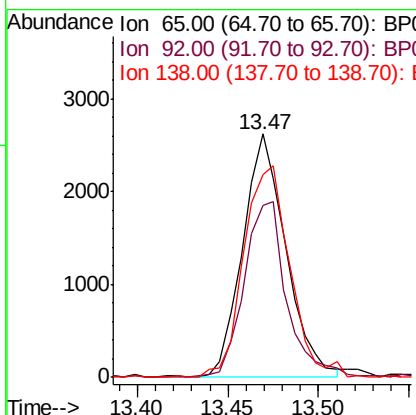
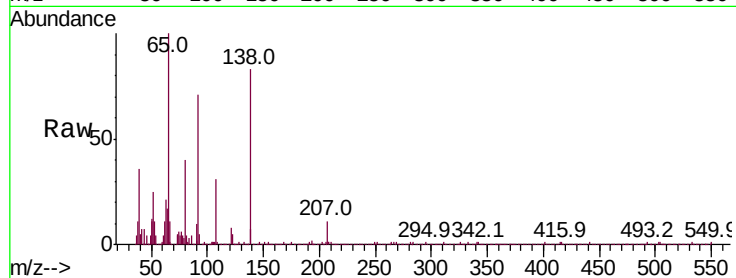
#43
2-Nitroaniline
Concen: 3.539 ng/ul
RT: 13.47 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
65	100		
92	70.8	59.9	89.9
138	83.3	84.2	126.2

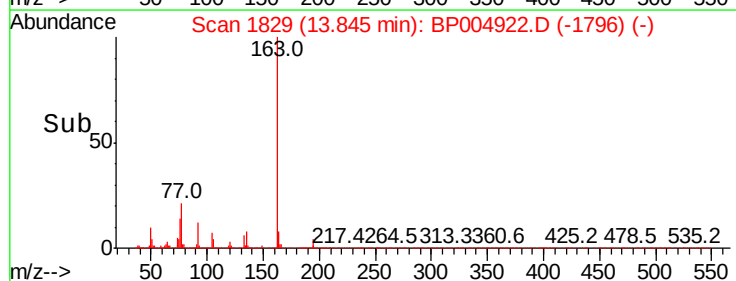
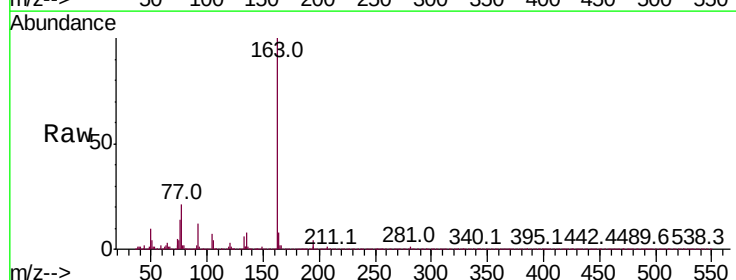
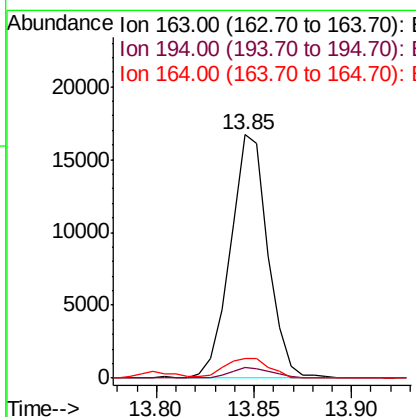
Manual Integrations
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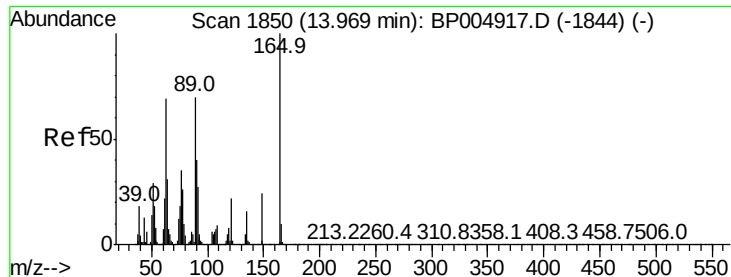
mohammad
3/8/2021 9:36:47 AM



#45
Dimethylphthalate
Concen: 3.780 ng/ul
RT: 13.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	8.3	8.0	12.0





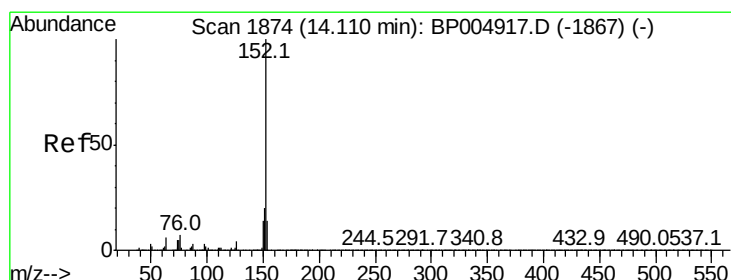
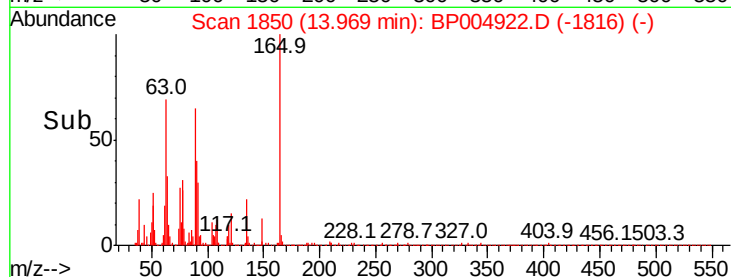
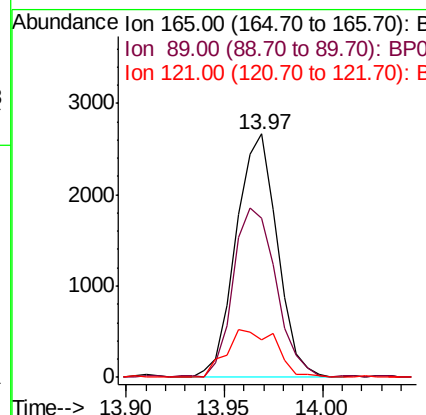
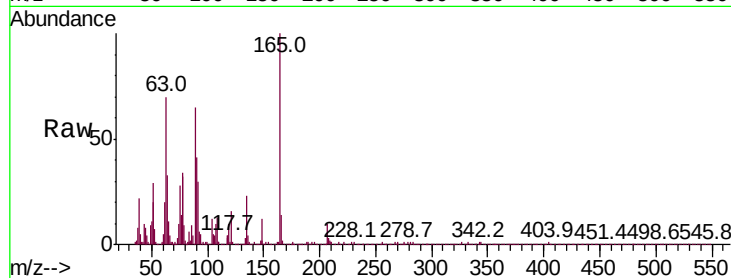
#46
2,6-Dinitrotoluene
Concen: 3.309 ng/ul m
RT: 13.97 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
165	100		
89	65.2	49.8	74.6
121	15.6	17.7	26.5

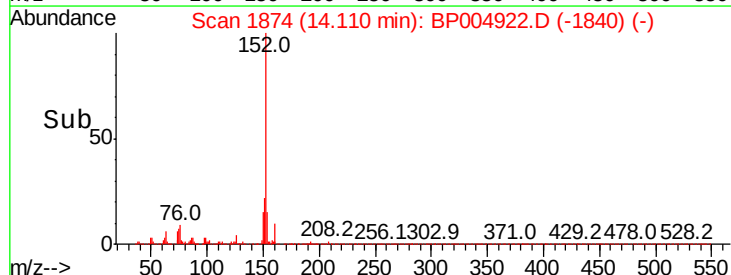
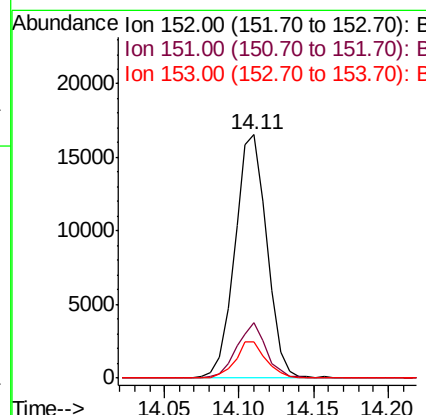
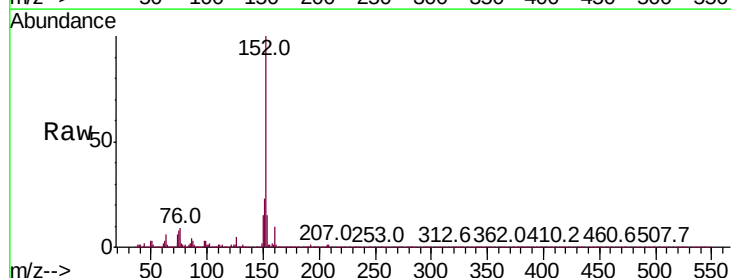
Manual Integrations
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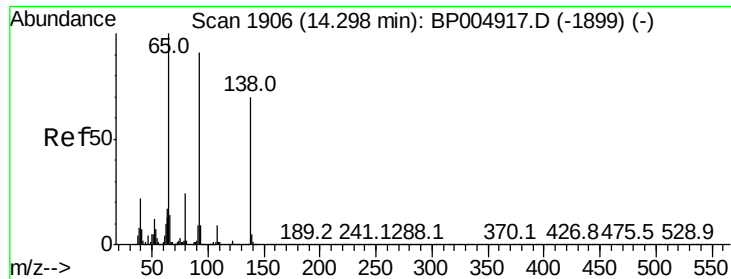
mohammad
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#48
Acenaphthylene
Concen: 3.718 ng/ul
RT: 14.11 min Scan# 1874
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.6	16.8	25.2
153	14.8	10.0	15.0





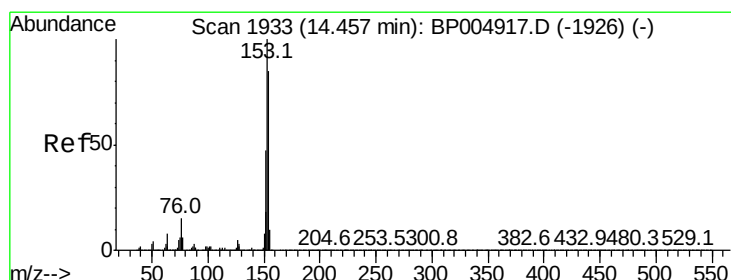
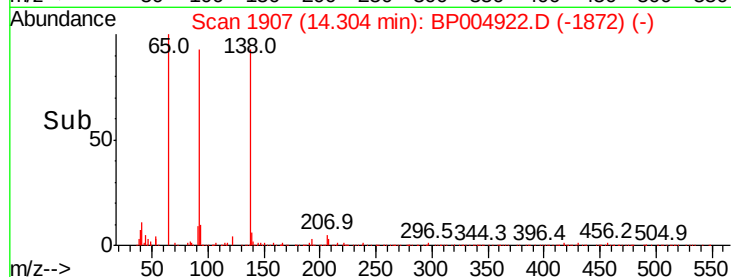
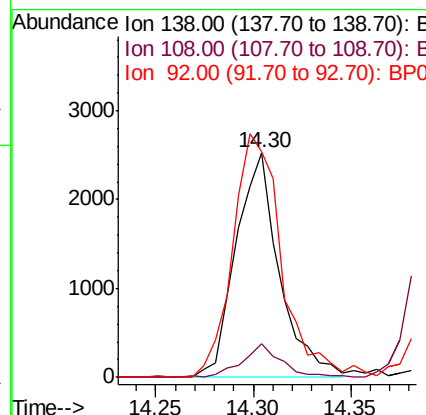
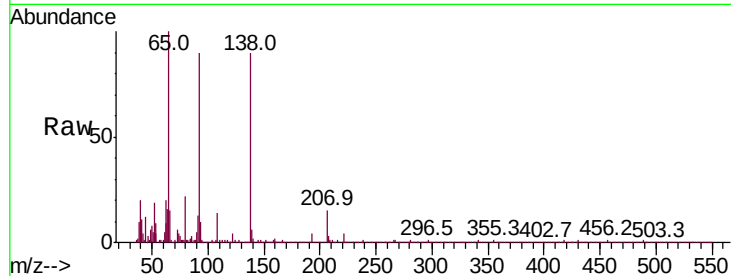
#49
3-Nitroaniline
Concen: 3.777 ng/ul
RT: 14.30 min Scan# 1907
Delta R.T. 0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
138	100		
108	15.0	10.0	15.0#
92	100.3	98.3	147.5

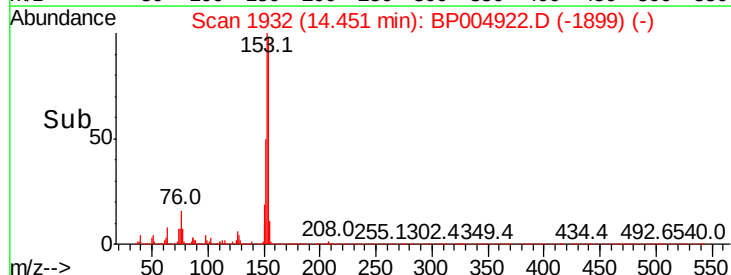
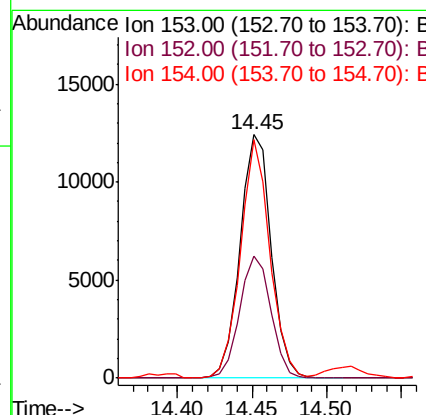
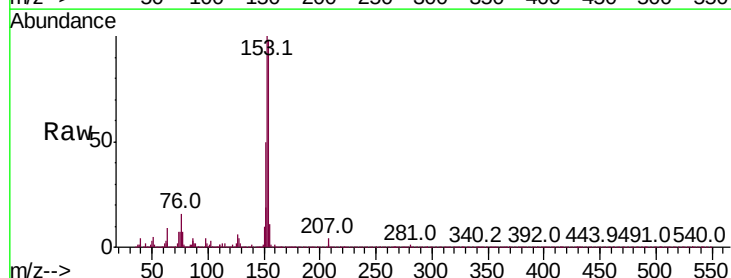
Manual Integrations
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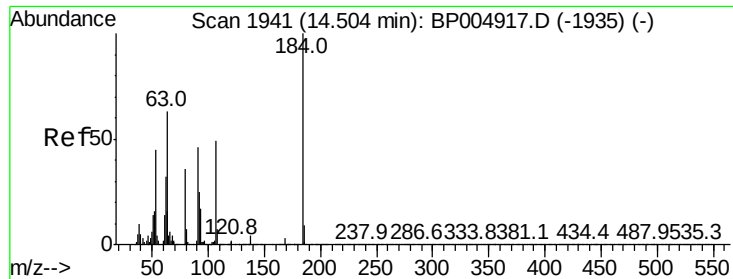
mohammad
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#50
Acenaphthene
Concen: 3.729 ng/ul
RT: 14.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.4	37.1	55.7
154	98.2	69.8	104.8





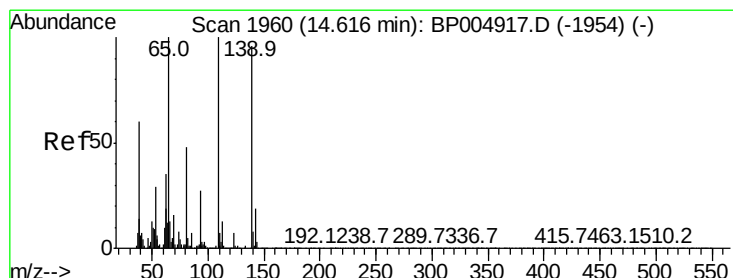
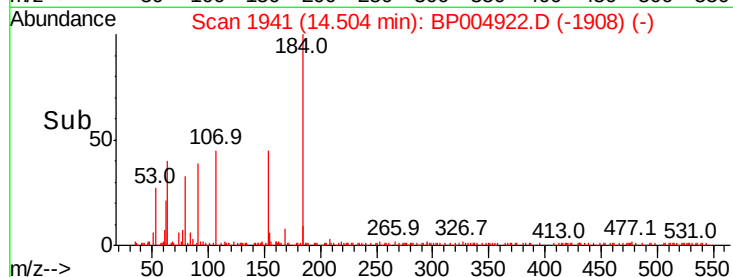
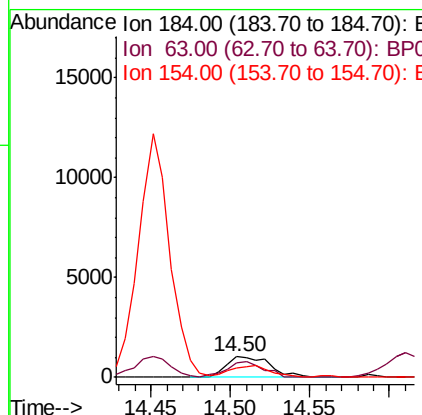
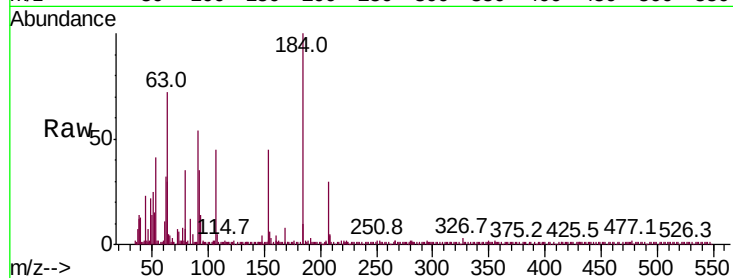
#51
2,4-Dinitrophenol
Concen: 2.530 ng/ul m
RT: 14.50 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
184	100		
63	72.1	57.0	85.4
154	45.3	52.2	78.2#

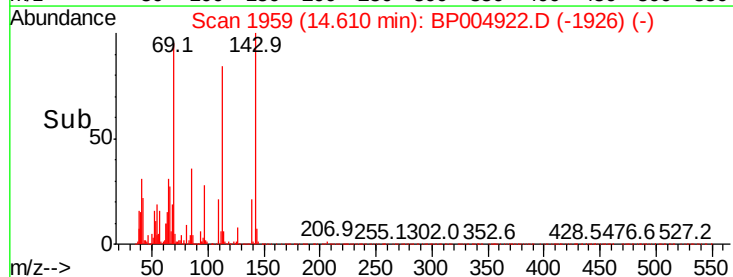
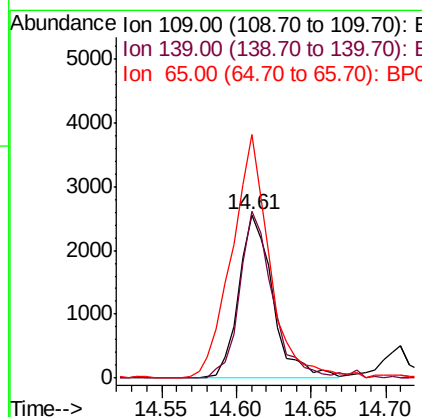
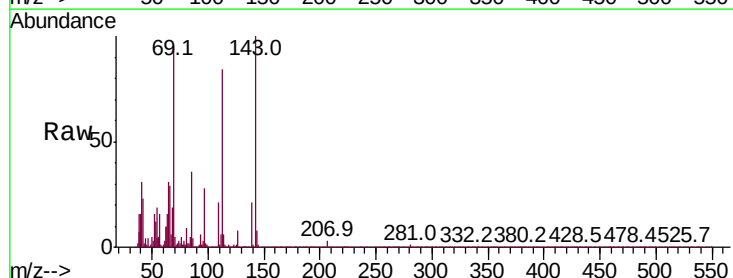
Manual Integrations
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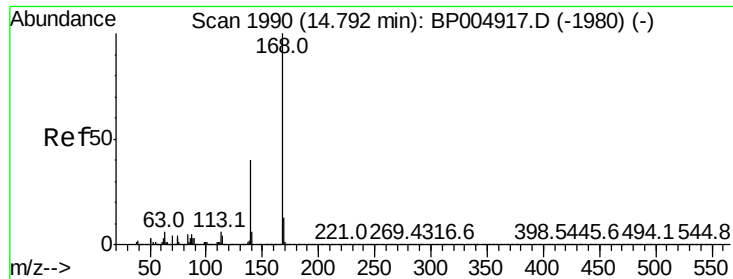
mohammad
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#53
4-Nitrophenol
Concen: 3.901 ng/ul m
RT: 14.61 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
109	100		
139	102.1	86.4	129.6
65	149.2	92.2	138.2#





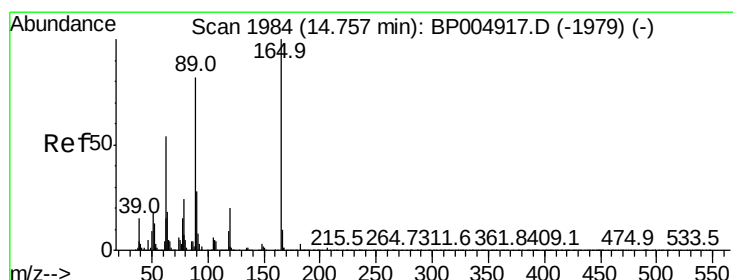
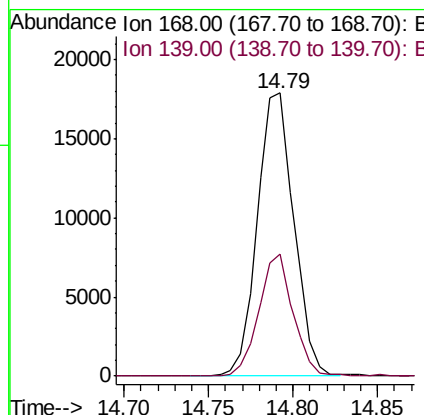
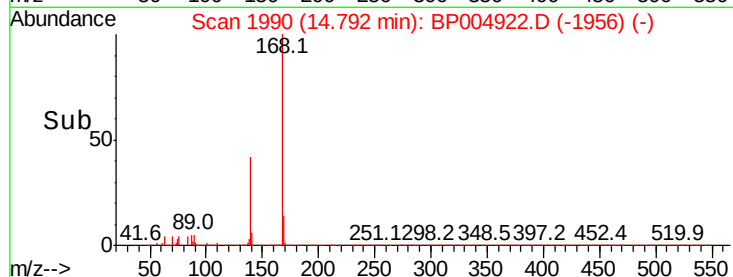
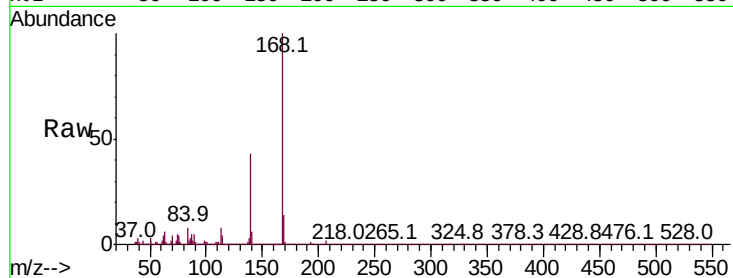
#54
Dibenzofuran
Concen: 3.798 ng/ul
RT: 14.79 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion:168 Resp: 26943
Ion Ratio Lower Upper
168 100
139 42.9 30.2 45.4

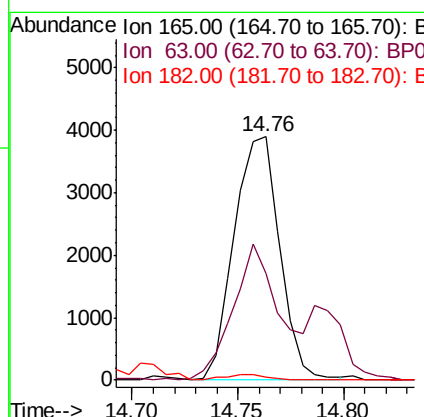
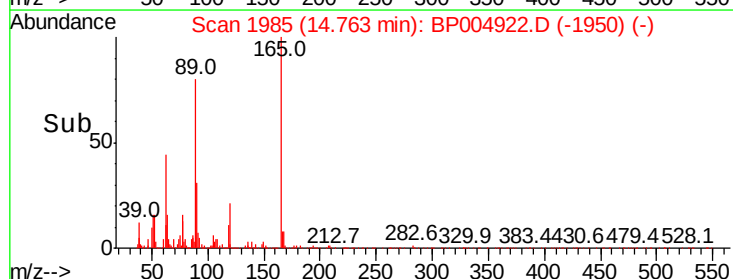
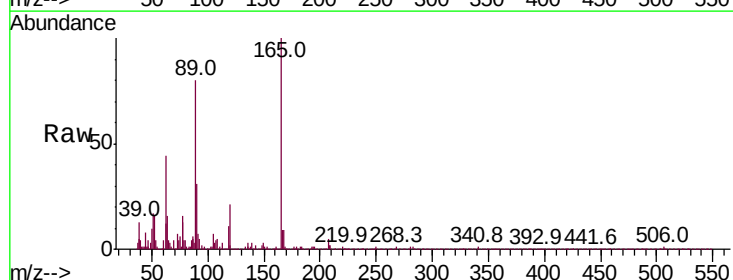
Manual Integrations
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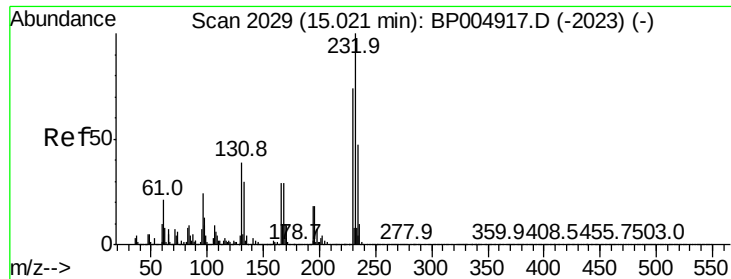
mohammad
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#55
2,4-Dinitrotoluene
Concen: 3.415 ng/ul
RT: 14.76 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion:165 Resp: 5851
Ion Ratio Lower Upper
165 100
63 43.9 40.2 60.2
182 1.4 3.0 4.4#





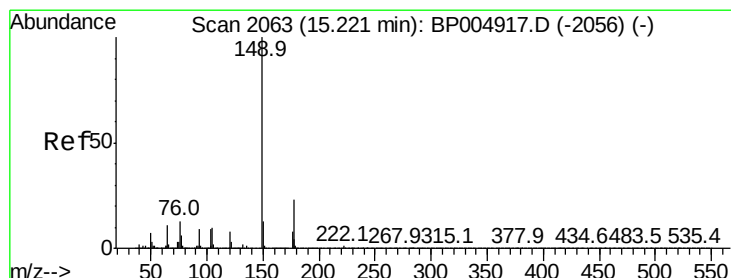
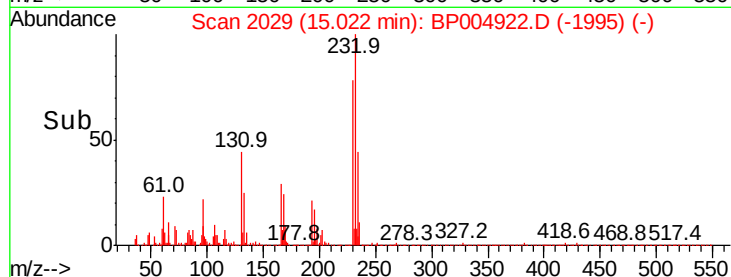
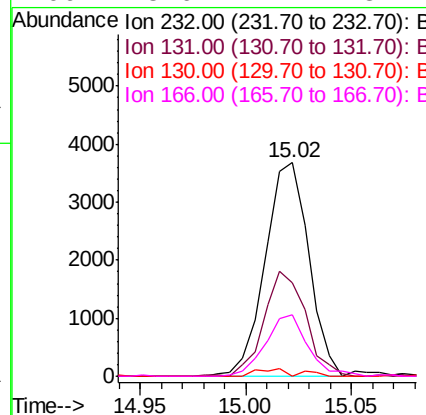
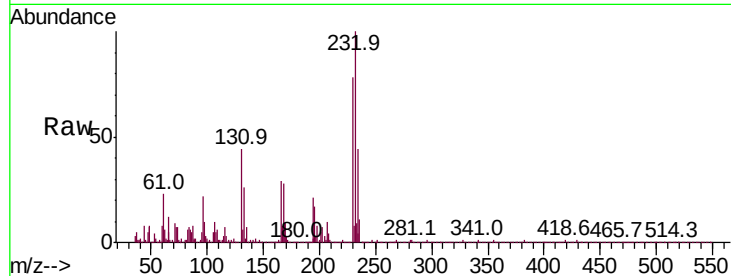
#56
2,3,4,6-Tetrachlorophenol
Concen: 3.232 ng/ul
RT: 15.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Resp	Lower	Upper
232	100			
131	43.6	31.7	47.5	
130	0.0	1.8	2.8	
166	28.6	21.4	32.2	

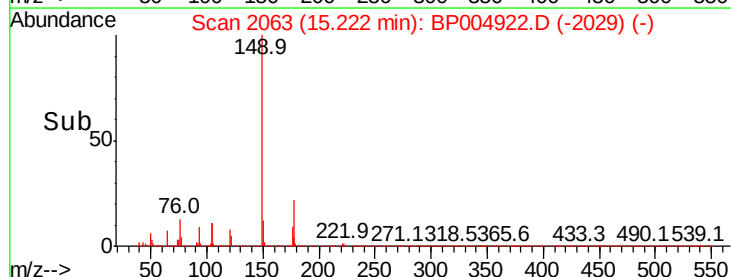
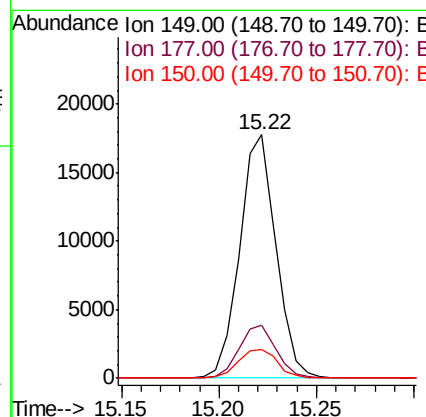
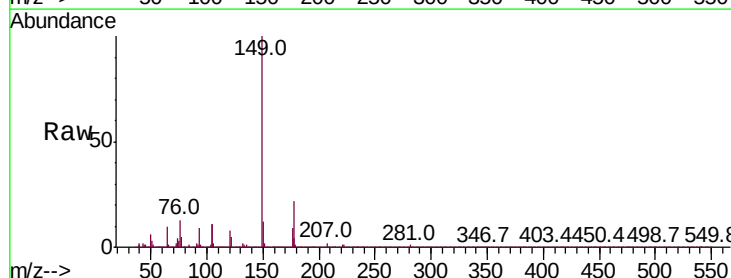
Manual Integrations
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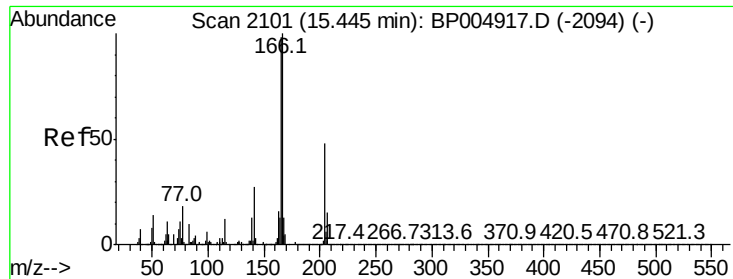
mohammad
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#57
Diethylphthalate
Concen: 3.931 ng/ul
RT: 15.22 min Scan# 2063
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	21.9	19.1	28.7	
150	11.6	11.0	16.6	





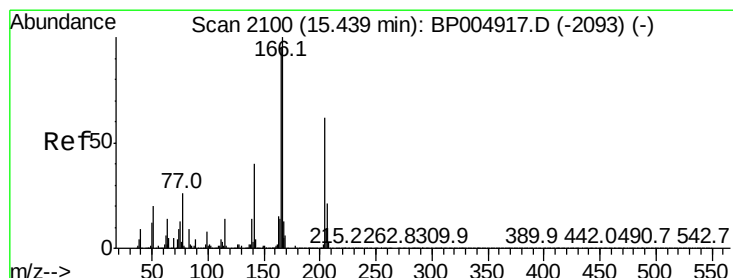
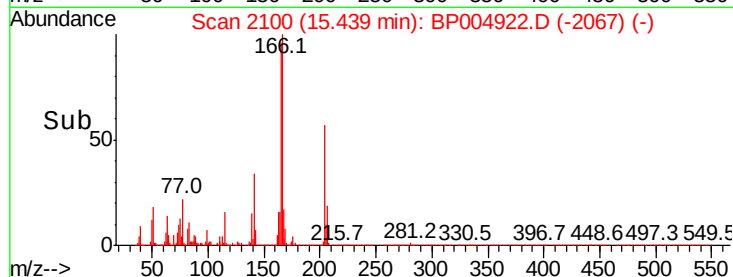
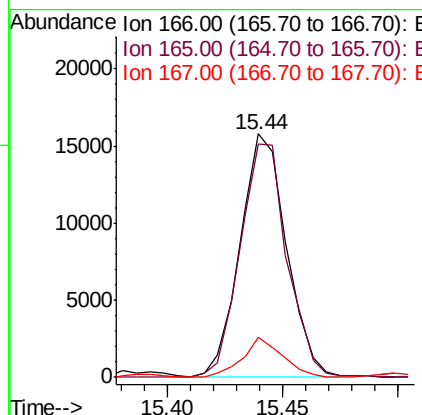
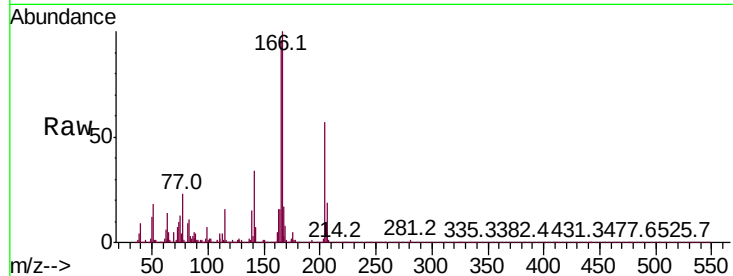
#59
Fluorene
Concen: 3.730 ng/ul
RT: 15.44 min Scan# 2100
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.7	77.8	116.6
167	16.6	10.3	15.5#

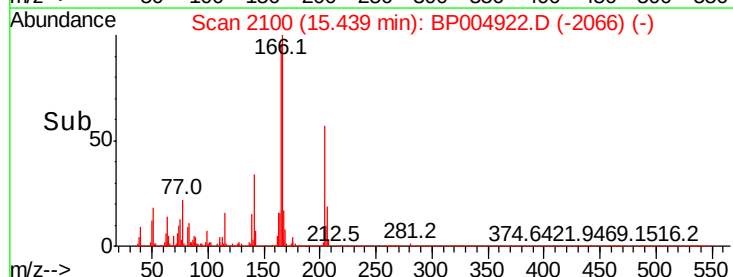
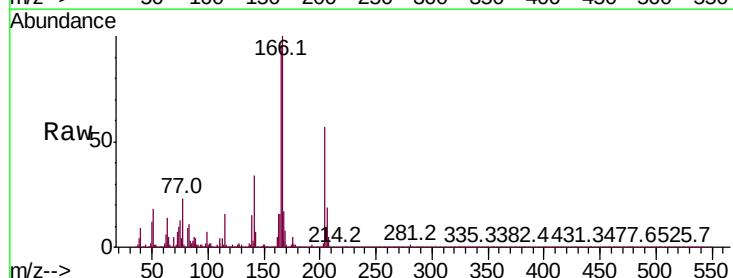
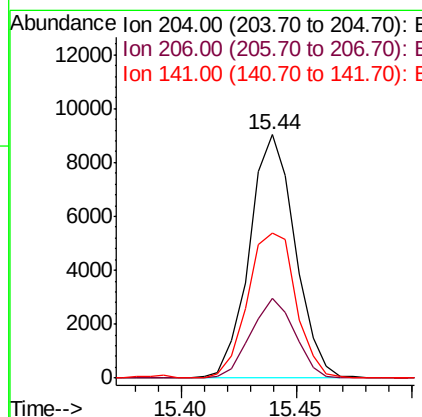
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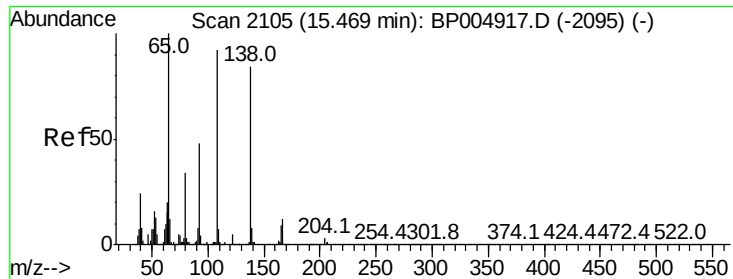
mohammad
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#60
4-Chlorophenyl-phenylether
Concen: 3.778 ng/ul
RT: 15.44 min Scan# 2100
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.3	37.9
141	59.5	47.0	70.6





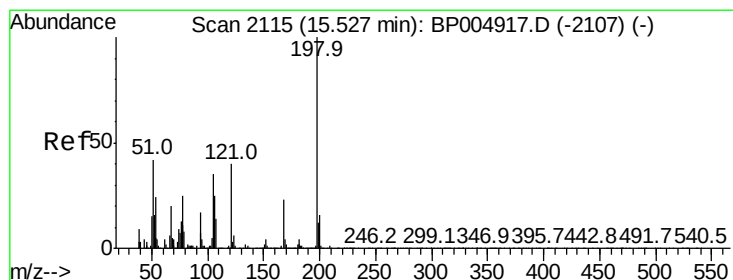
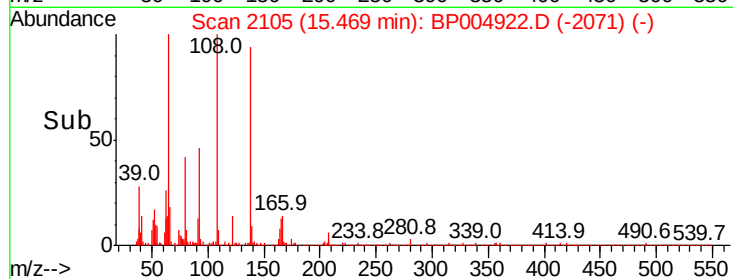
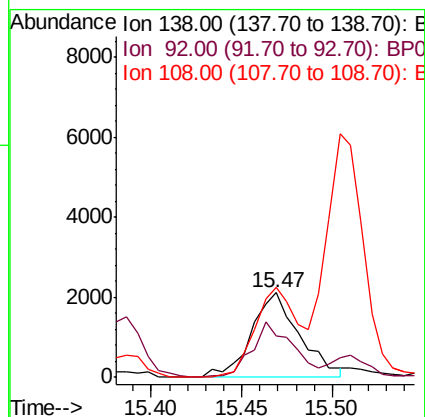
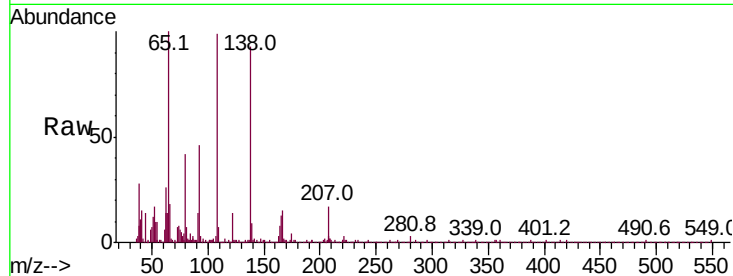
#61
4-Nitroaniline
Concen: 3.232 ng/ul
RT: 15.47 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
138	100		
92	49.8	45.7	68.5
108	106.1	81.4	122.2

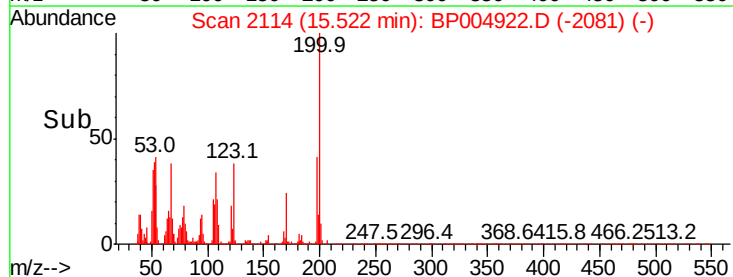
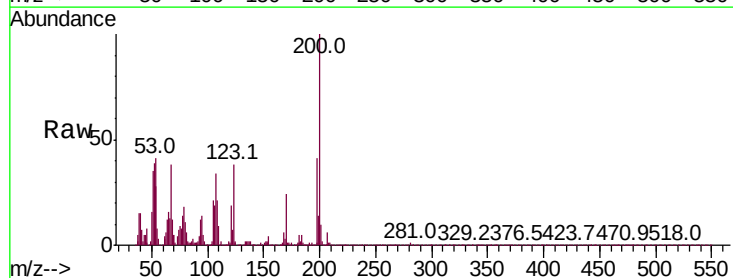
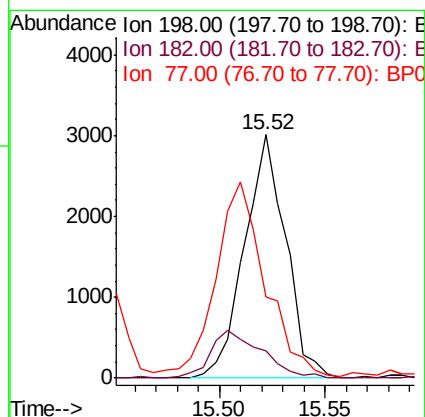
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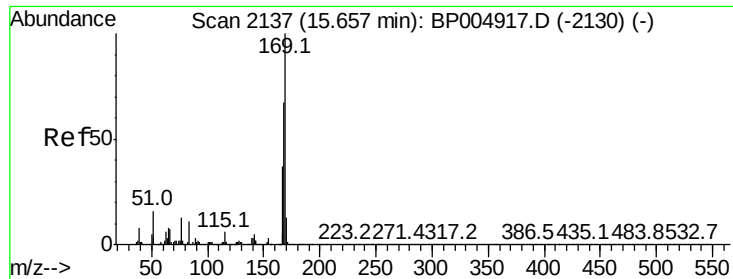
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#64
4,6-Dinitro-2-methylphenol
Concen: 3.499 ng/ul
RT: 15.52 min Scan# 2114
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
198	100		
182	11.2	3.0	4.6#
77	33.4	23.0	34.4





#65

N-Nitrosodiphenylamine

Concen: 3.749 ng/ul

RT: 15.66 min Scan# 2137

Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

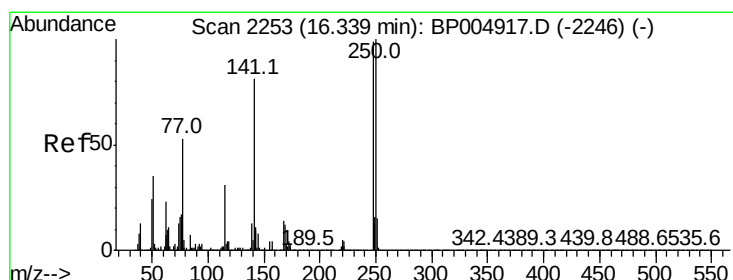
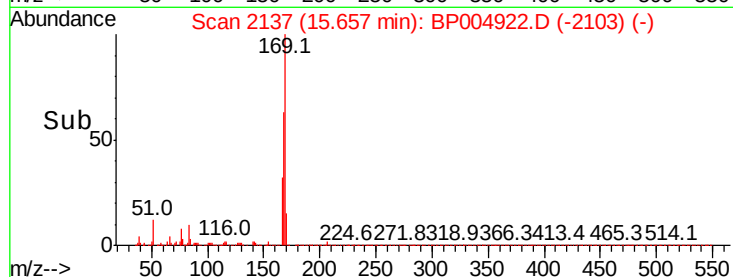
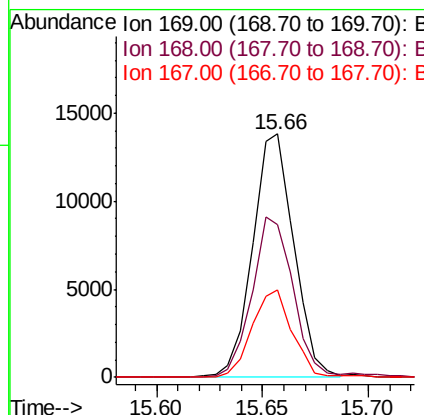
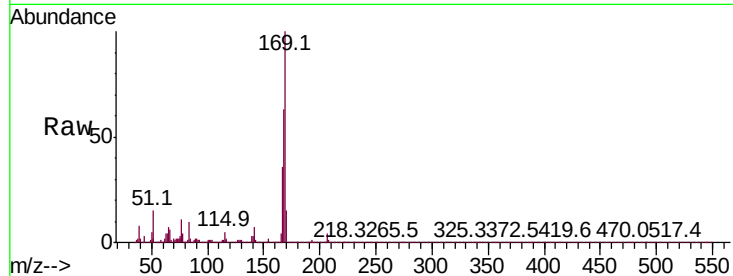
ClientSampleId :

MDL-SOIL-05

Tot Ion:	169	Resp:	18728
Ion Ratio	Lower	Upper	
169	100		
168	63.0	52.8	79.2
167	35.8	27.8	41.6

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#66

4-Bromophenyl-phenylether

Concen: 3.706 ng/ul

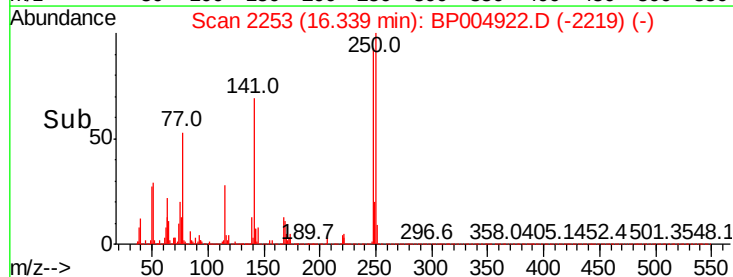
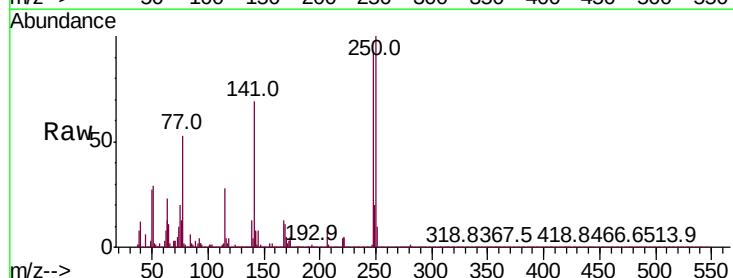
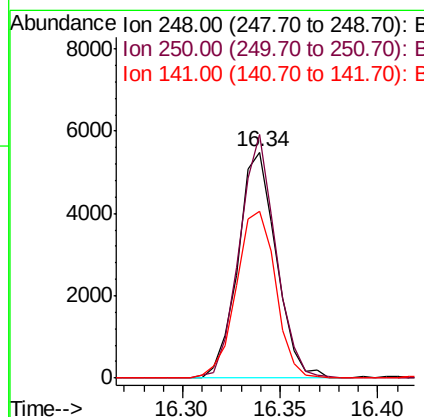
RT: 16.34 min Scan# 2253

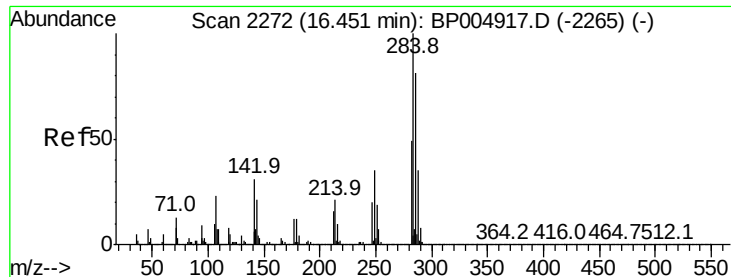
Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion:	248	Resp:	7477
Ion Ratio	Lower	Upper	
248	100		
250	107.8	82.2	123.2
141	73.9	57.7	86.5





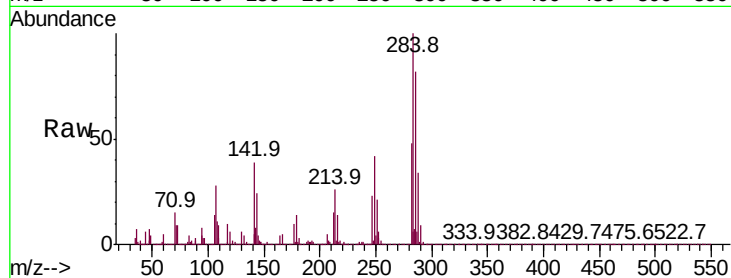
#67
Hexachlorobenzene
Concen: 3.667 ng/ul
RT: 16.45 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	38.8	23.6	35.4#	
249	41.5	26.2	39.2#	

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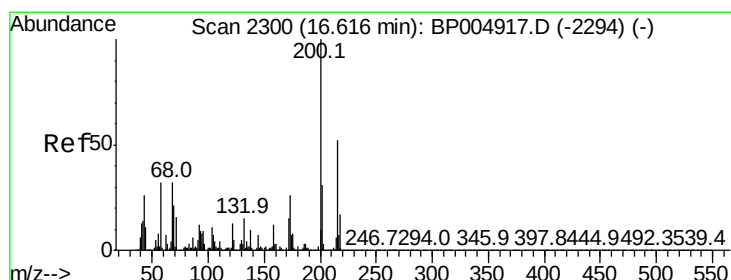
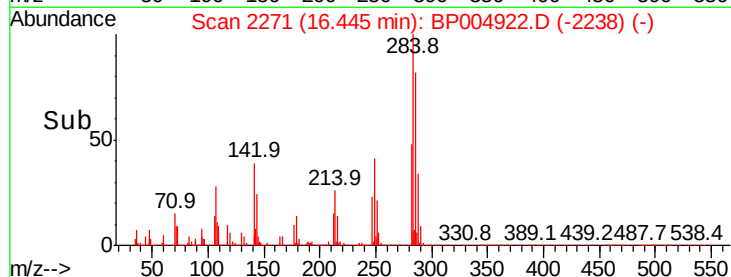
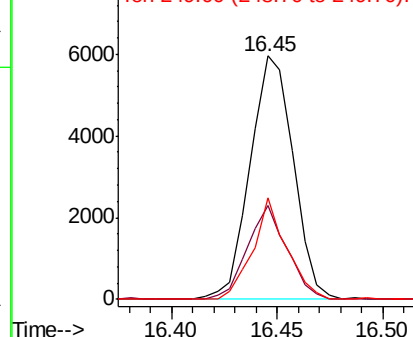


Abundance

Ion 284.00 (283.70 to 284.70): E

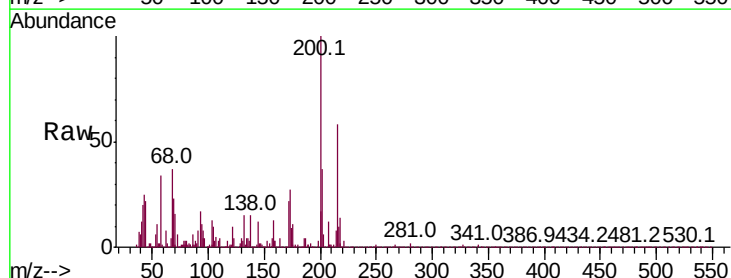
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68
Atrazine
Concen: 3.097 ng/ul
RT: 16.62 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.1	19.6	29.4	
215	58.4	41.0	61.6	

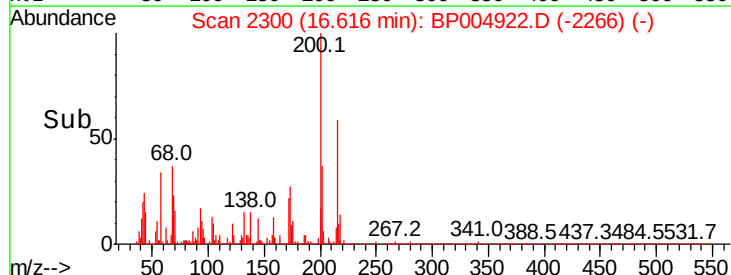
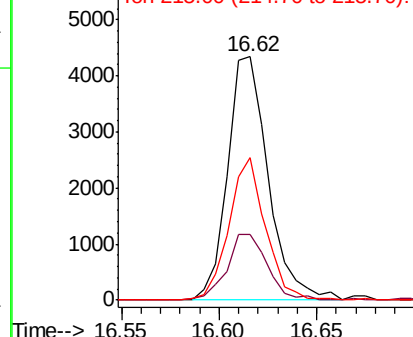


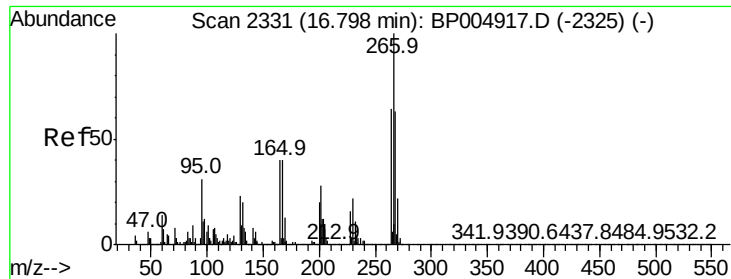
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





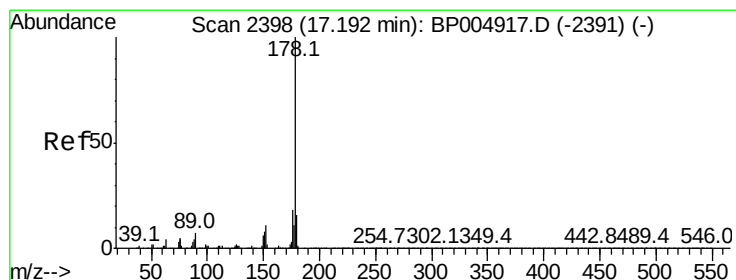
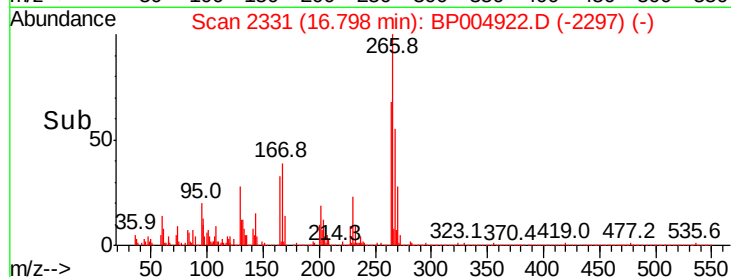
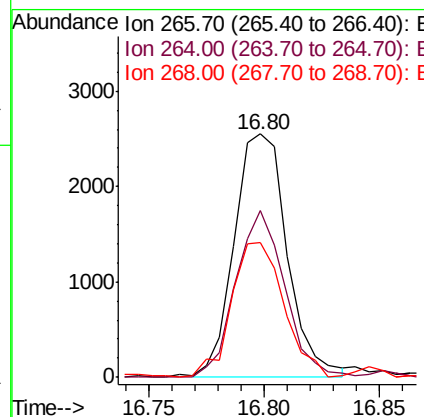
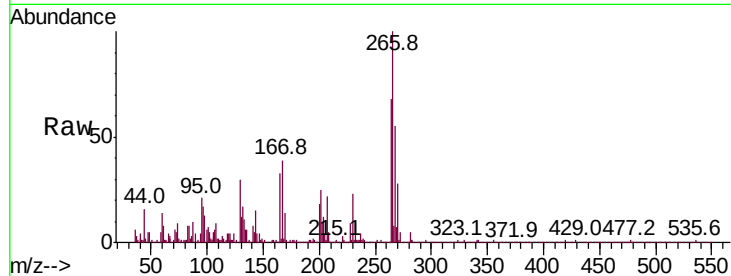
#69
 Pentachlorophenol
 Concen: 2.844 ng/ul
 RT: 16.80 min Scan# 2331
 Delta R.T. -0.00 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
266	100		
264	68.3	51.6	77.4
268	55.2	56.6	85.0

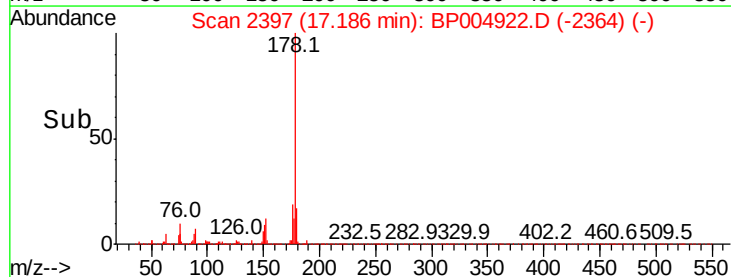
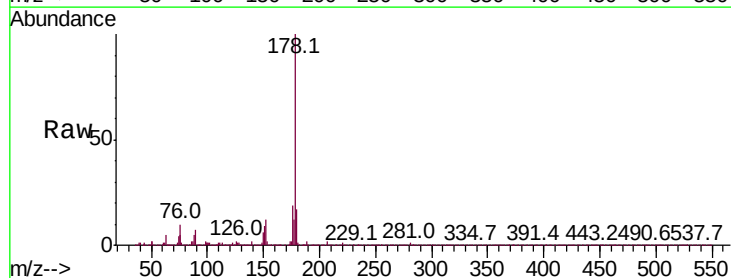
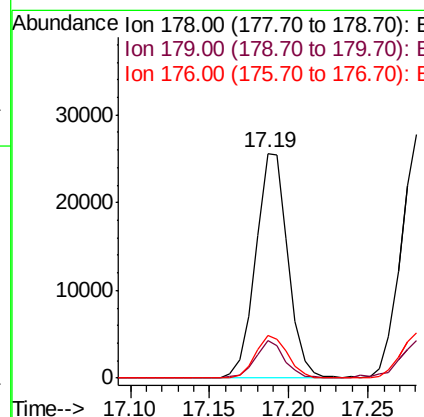
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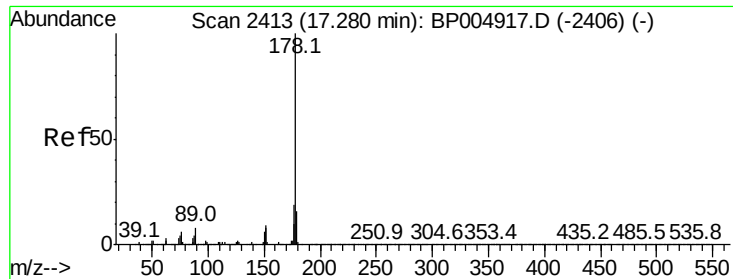
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#70
 Phenanthrene
 Concen: 3.857 ng/ul
 RT: 17.19 min Scan# 2397
 Delta R.T. -0.01 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.1	18.1
176	18.7	15.0	22.6





#72

Anthracene

Concen: 3.859 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

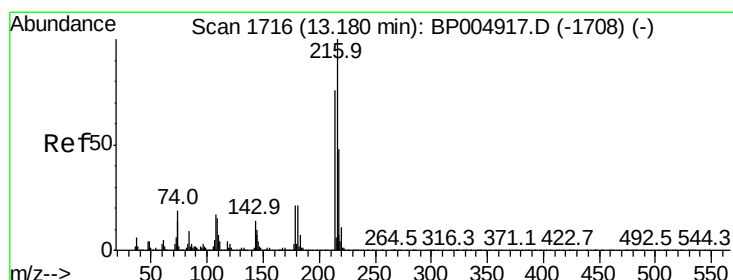
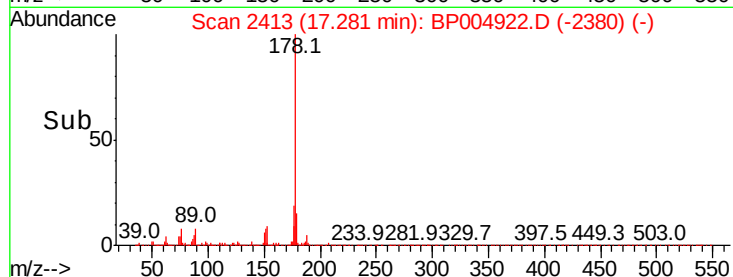
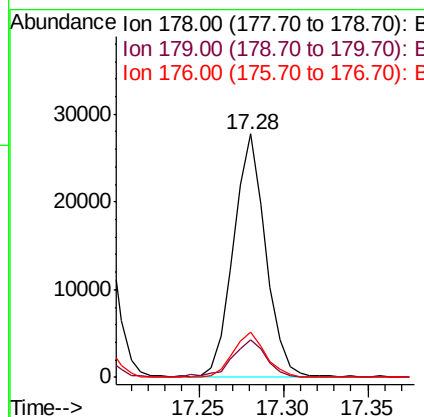
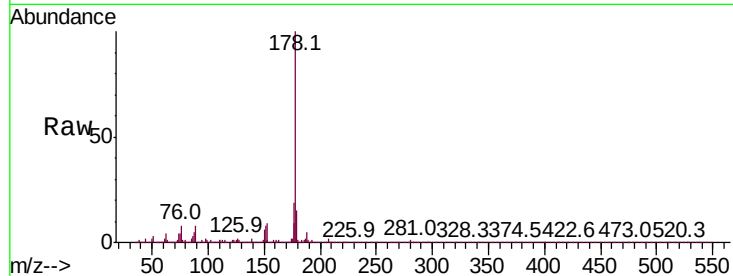
ClientSampleId :

MDL-SOIL-05

Tot Ion:	178	Resp:	36902
Ion Ratio	Lower	Upper	
178	100		
179	15.5	11.8	17.8
176	18.7	14.5	21.7

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#73

1,2,3,4-Tetrachlorobenzene

Concen: 3.868 ng/uL

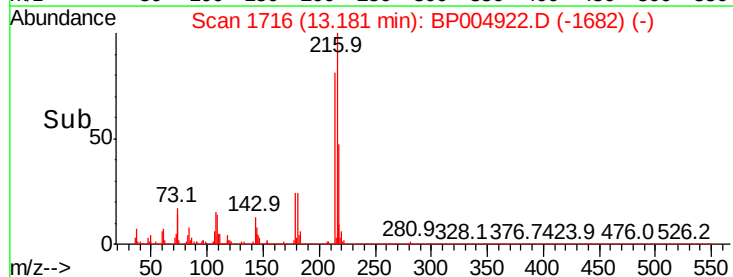
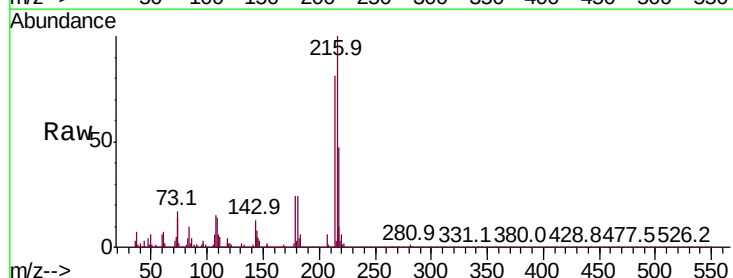
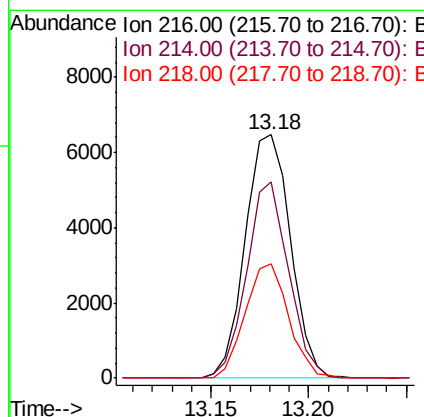
RT: 13.18 min Scan# 1716

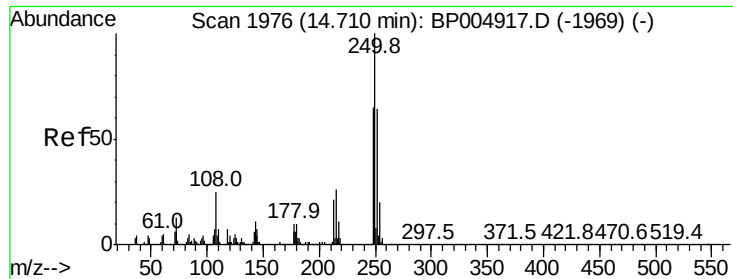
Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion:	216	Resp:	10429
Ion Ratio	Lower	Upper	
216	100		
214	80.6	62.2	93.2
218	47.1	40.5	60.7





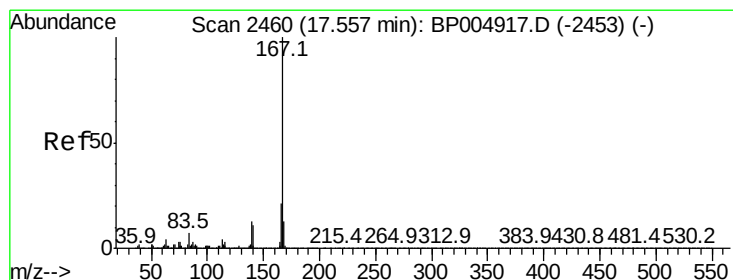
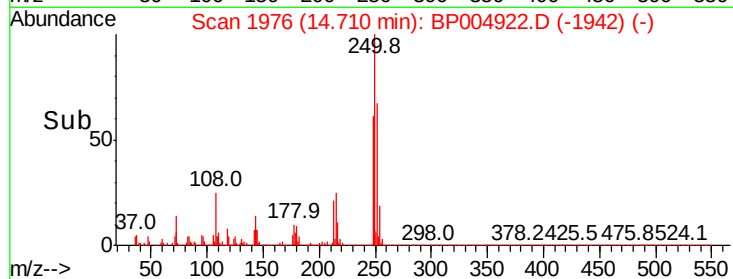
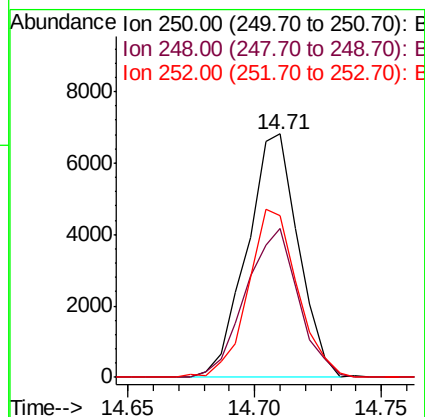
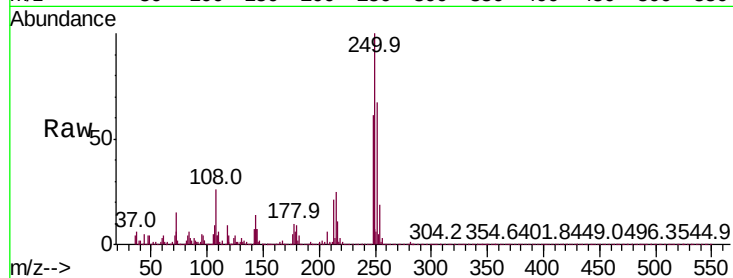
#74
Pentachlorobenzene
Concen: 3.525 ng/uL
RT: 14.71 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion:	250	Resp:	9603
Ion Ratio	Lower	Upper	
250	100		
248	61.2	50.4	75.6
252	66.6	53.3	79.9

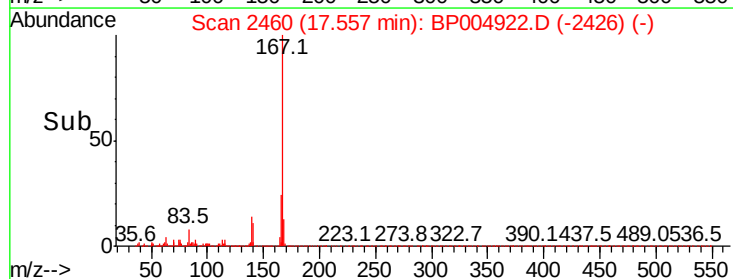
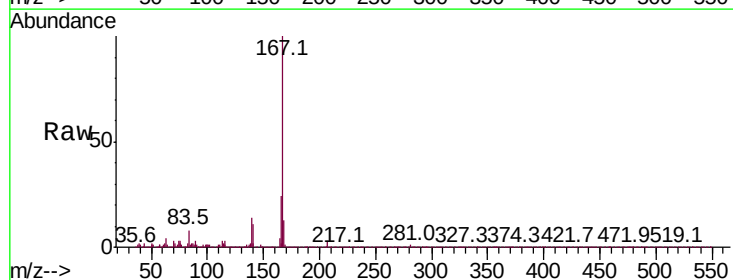
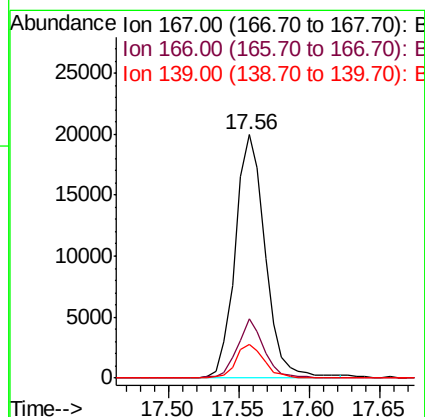
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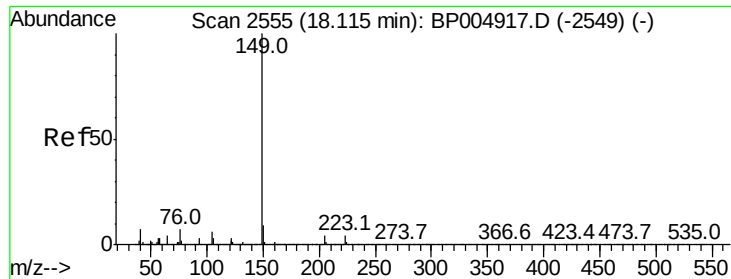
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#75
Carbazole
Concen: 3.565 ng/uL
RT: 17.56 min Scan# 2460
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion:	167	Resp:	29574
Ion Ratio	Lower	Upper	
167	100		
166	24.2	16.5	24.7
139	14.0	10.1	15.1





#76

Di-n-butylphthalate

Concen: 3.412 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

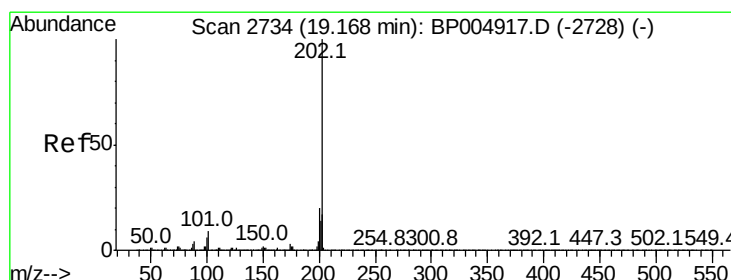
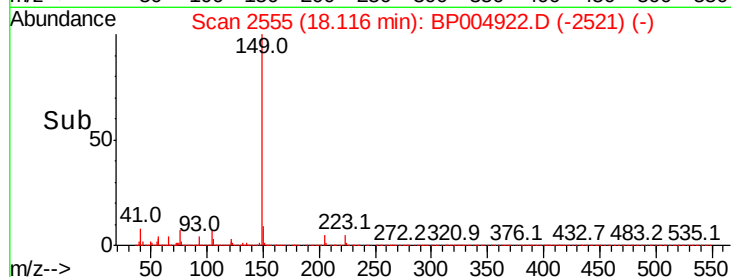
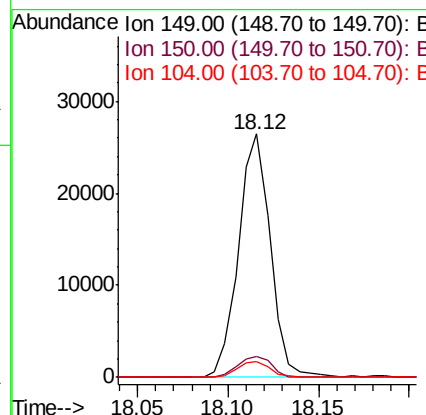
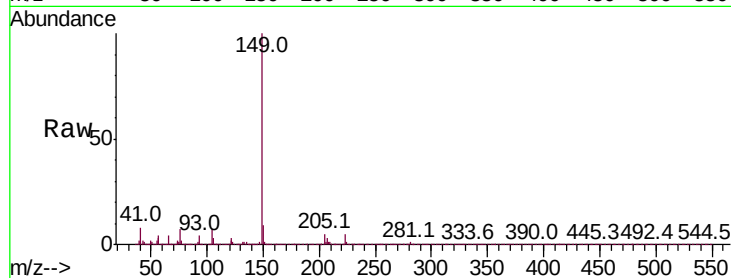
ClientSampleId :

MDL-SOIL-05

Tot Ion:	149	Resp:	32274
Ion Ratio	Lower	Upper	
149	100		
150	8.6	7.4	11.2
104	6.6	4.8	7.2

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#77

Fluoranthene

Concen: 3.587 ng/ul

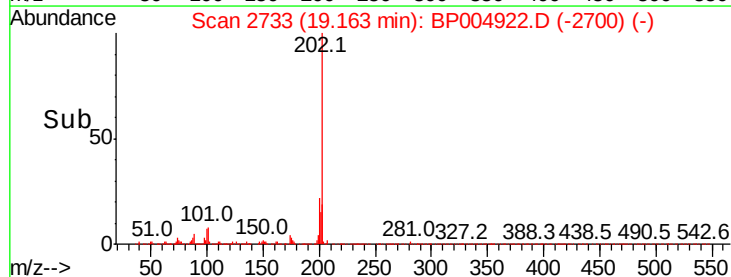
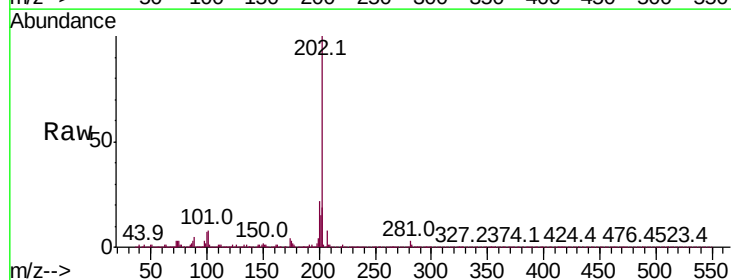
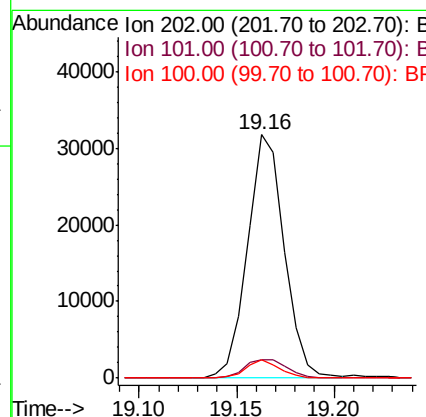
RT: 19.16 min Scan# 2733

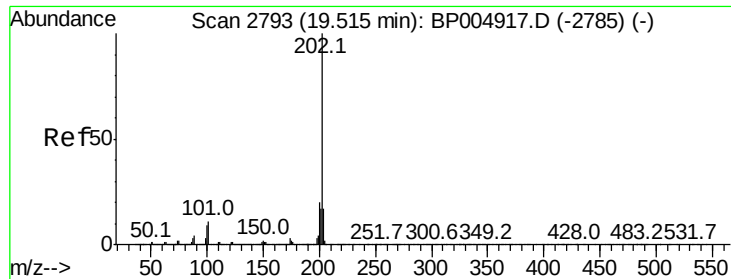
Delta R.T. -0.01 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion:	202	Resp:	41464
Ion Ratio	Lower	Upper	
202	100		
101	7.8	6.5	9.7
100	7.3	5.3	7.9





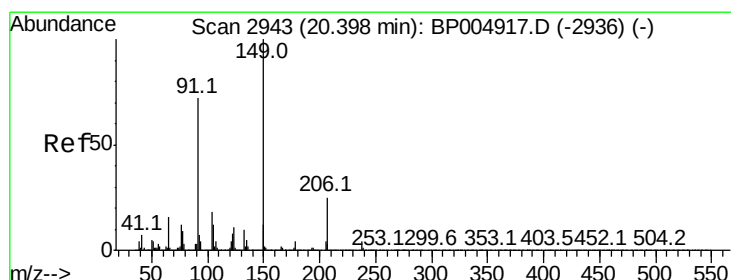
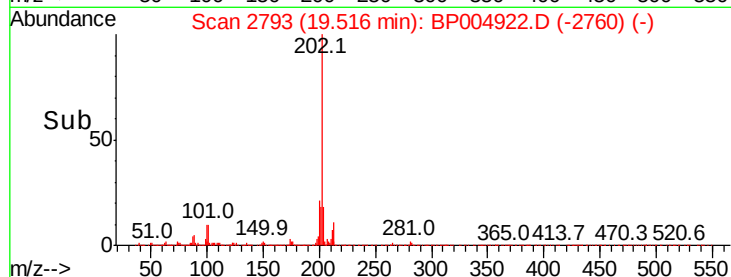
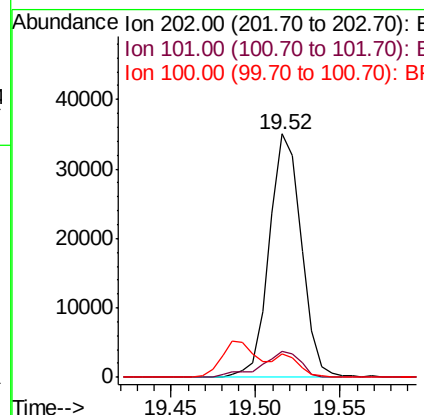
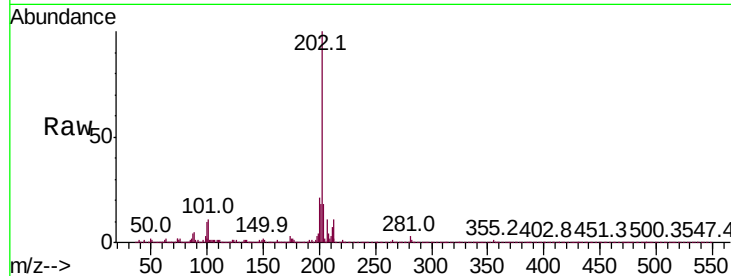
#80
Pvrene
Concen: 4.032 ng/ul
RT: 19.52 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.5	7.8	11.6
100	9.7	6.5	9.7

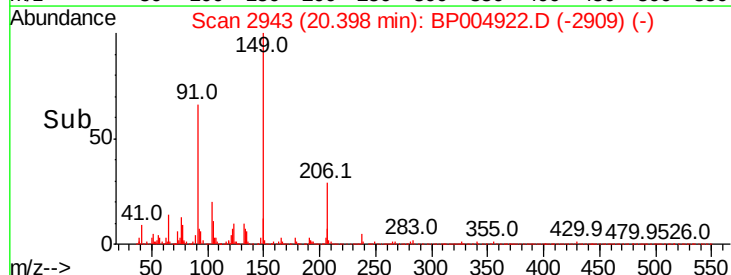
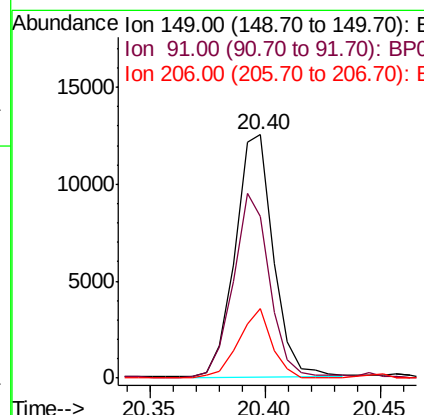
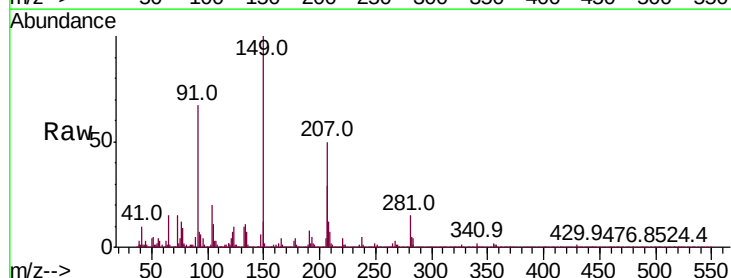
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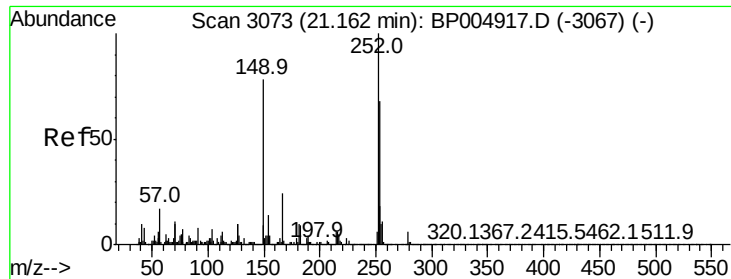
mohammad
3/8/2021 9:36:47 AM



#81
Butylbenzylphthalate
Concen: 3.584 ng/ul
RT: 20.40 min Scan# 2943
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	66.5	57.6	86.4
206	28.8	20.8	31.2





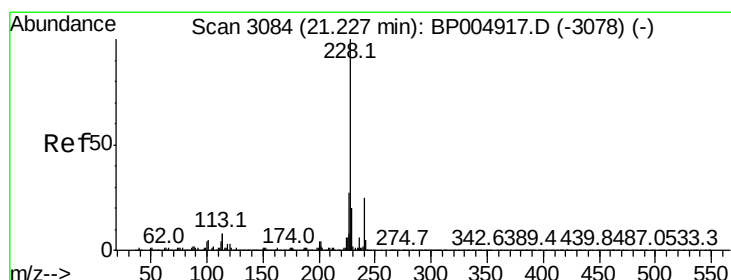
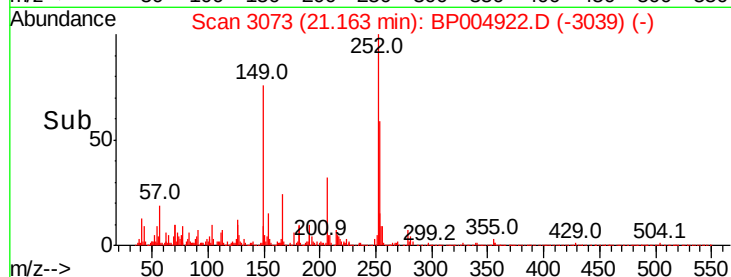
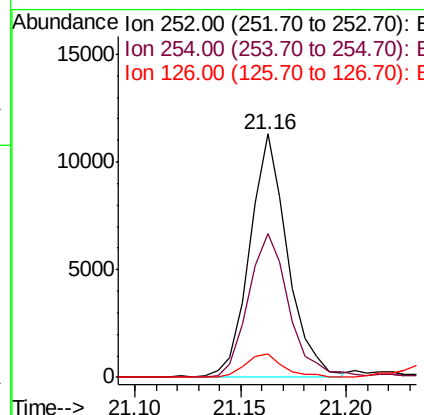
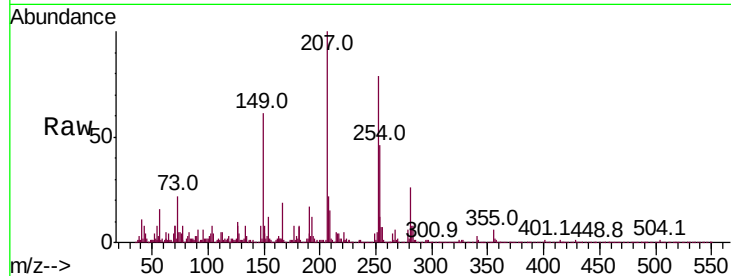
#82
 3,3'-Dichlorobenzidine
 Concen: 3.411 ng/ul
 RT: 21.16 min Scan# 3073
 Delta R.T. -0.00 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-05

Tot Ion:	252	Resp:	14004
Ion Ratio	Lower	Upper	
252	100		
254	58.8	52.5	78.7
126	9.8	6.6	10.0

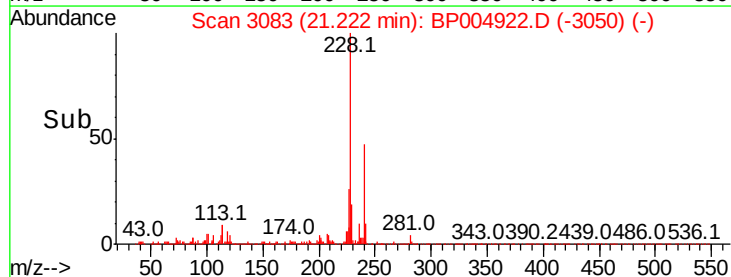
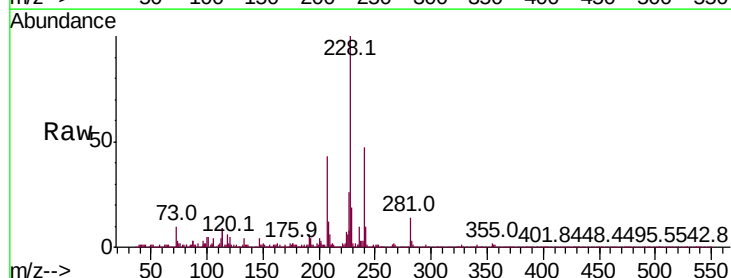
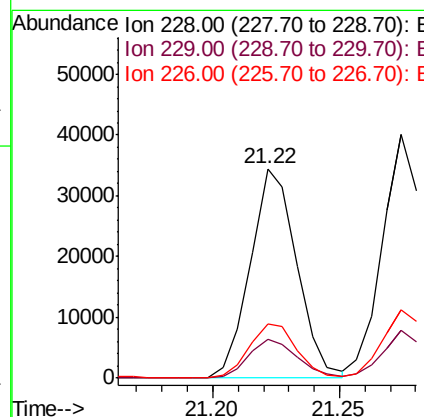
Manual Integrations
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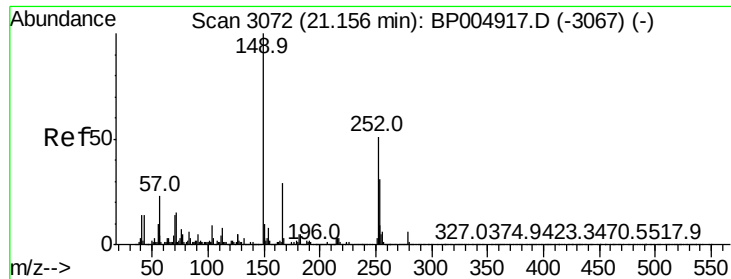
mohammad
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#83
 Benzo(a)anthracene
 Concen: 3.692 ng/ul
 RT: 21.22 min Scan# 3083
 Delta R.T. -0.01 min
 Lab File: BP004922.D
 Acq: 05 Mar 2021 18:25

Tgt Ion:	228	Resp:	43891
Ion Ratio	Lower	Upper	
228	100		
229	18.8	16.3	24.5
226	26.0	20.6	30.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.440 ng/ul

RT: 21.16 min Scan# 3072

Delta R.T. -0.00 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

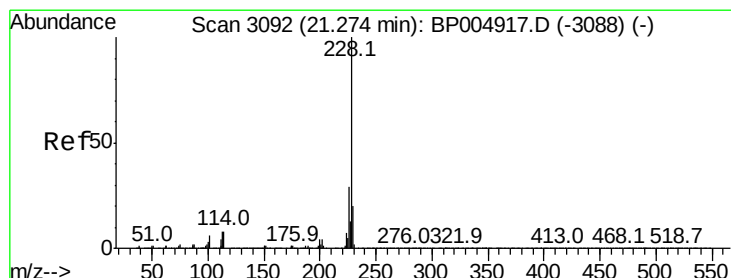
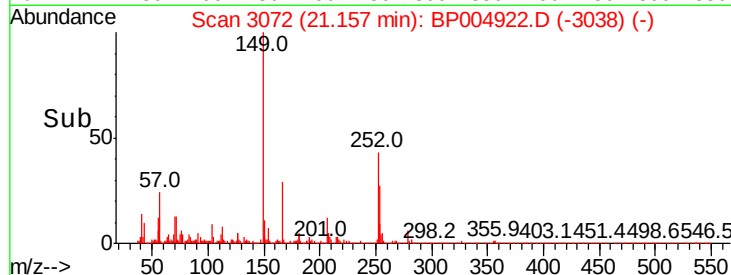
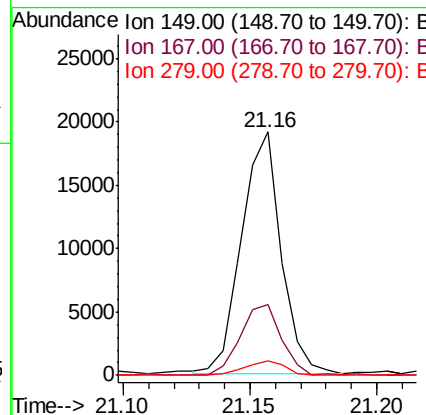
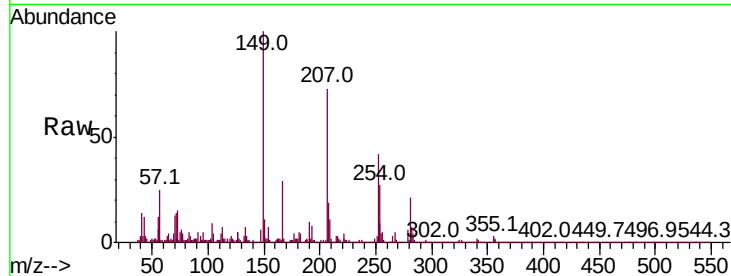
ClientSampled :

MDL-SOIL-05

Tot Ion:	149	Resp:	20734
Ion Ratio	Lower	Upper	
149	100		
167	29.1	24.6	37.0
279	5.9	5.4	8.2

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#85

Chrysene

Concen: 4.011 ng/ul

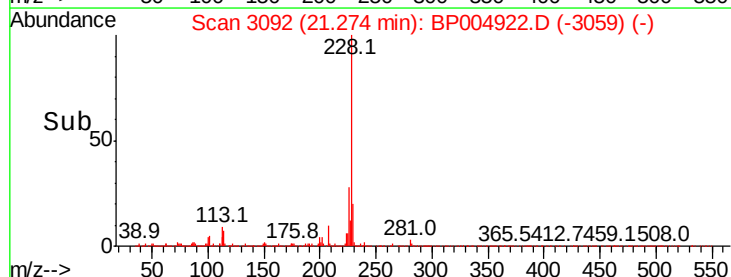
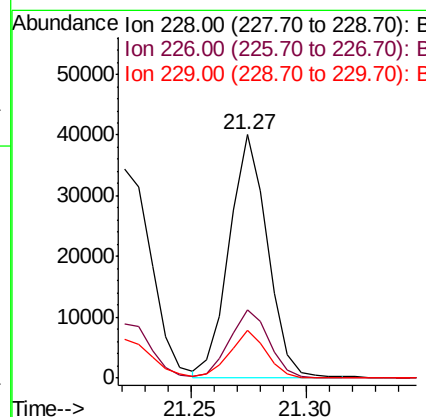
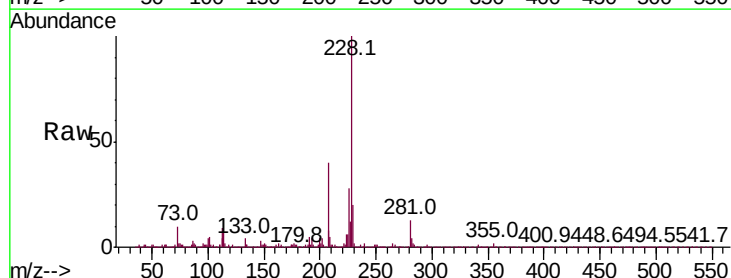
RT: 21.27 min Scan# 3092

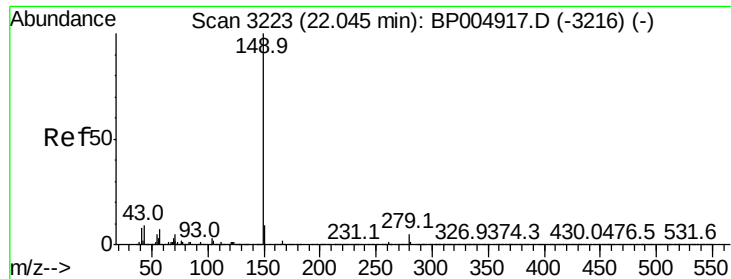
Delta R.T. -0.01 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Tgt Ion:	228	Resp:	46399
Ion Ratio	Lower	Upper	
228	100		
226	27.9	23.7	35.5
229	19.9	16.0	24.0





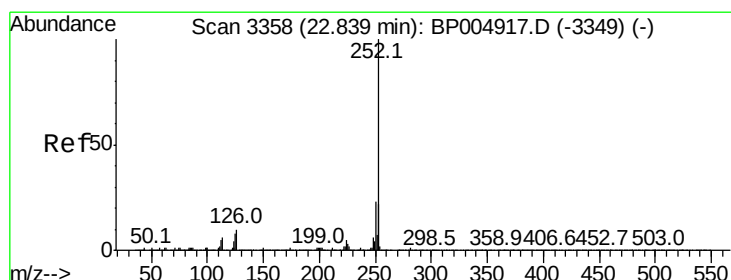
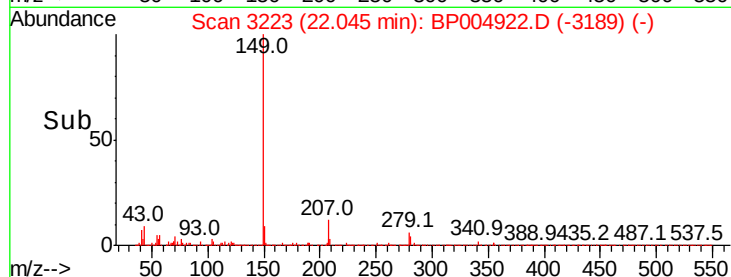
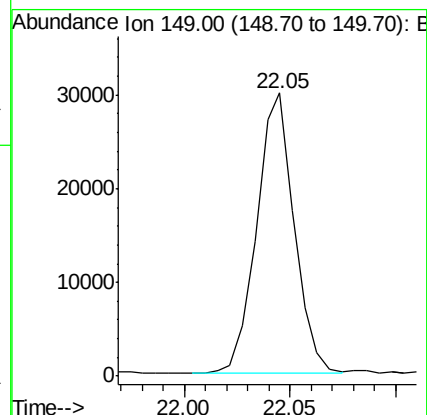
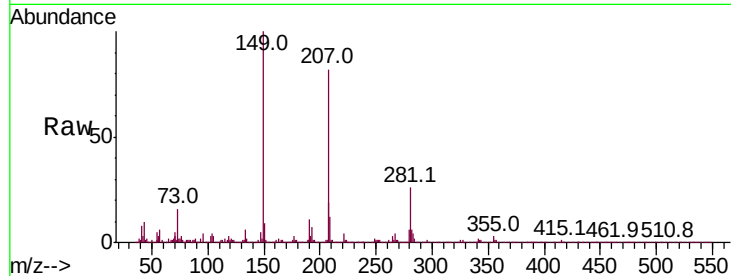
#87
Di-n-octyl phthalate
Concen: 3.293 ng/ul
RT: 22.05 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tgt Ion:149 Resp: 36771

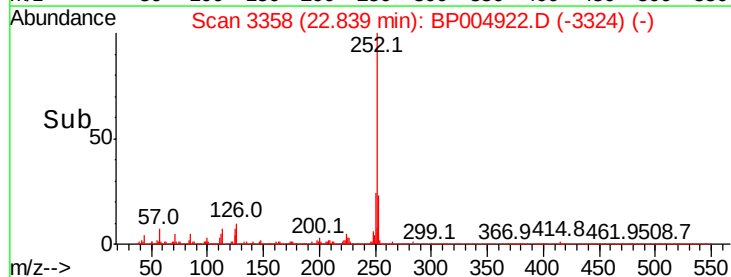
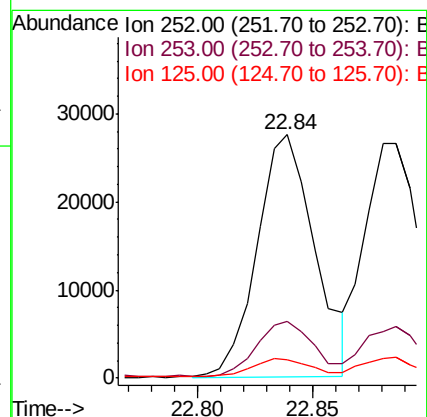
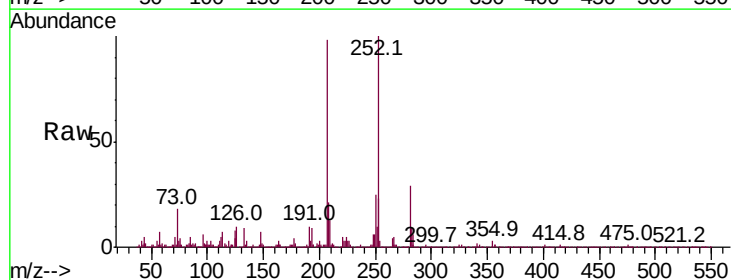
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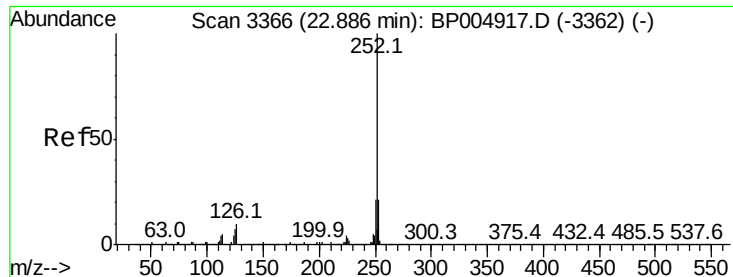
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#88
Benzo(b)fluoranthene
Concen: 3.887 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion:252 Resp: 47850
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 7.6 5.8 8.8





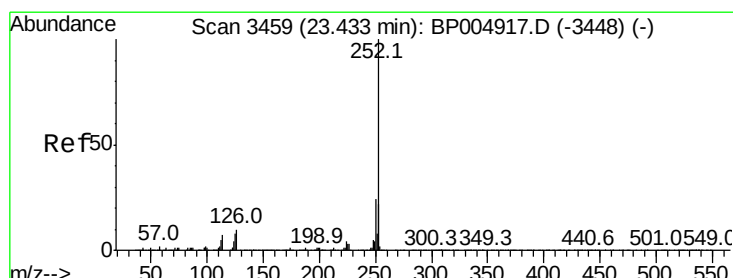
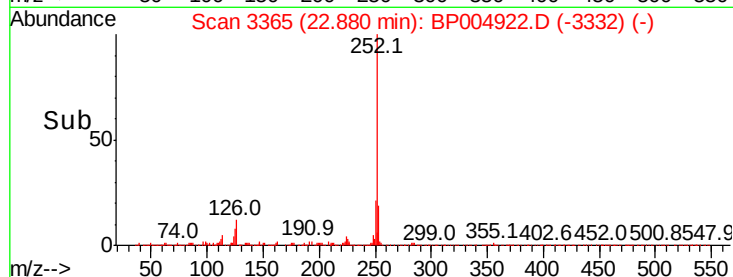
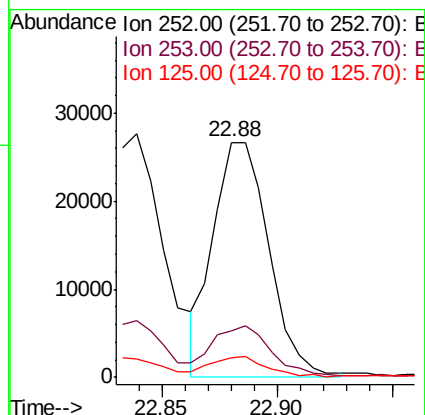
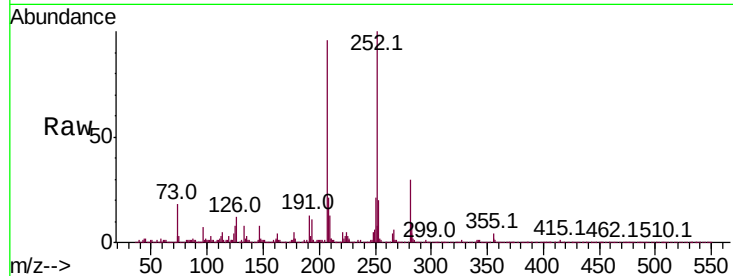
#89
Benzo(k)fluoranthene
Concen: 3.644 ng/ul
RT: 22.88 min Scan# 3365
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion:	252	Resp:	44440
Ion Ratio	Lower	Upper	
252	100		
253	19.8	17.4	26.0
125	8.2	5.7	8.5

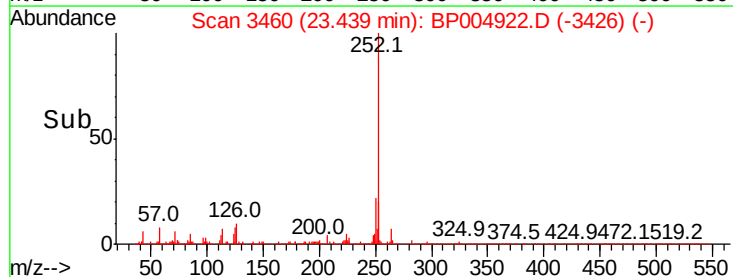
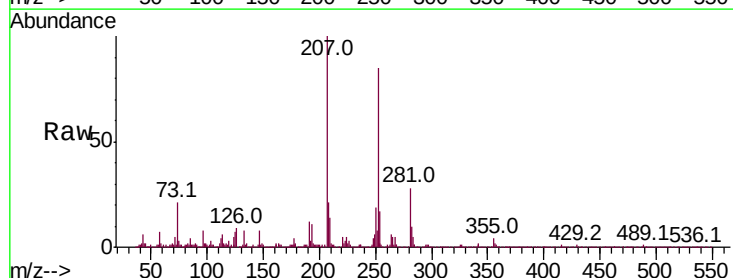
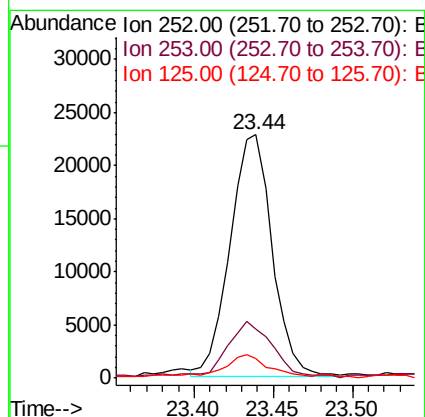
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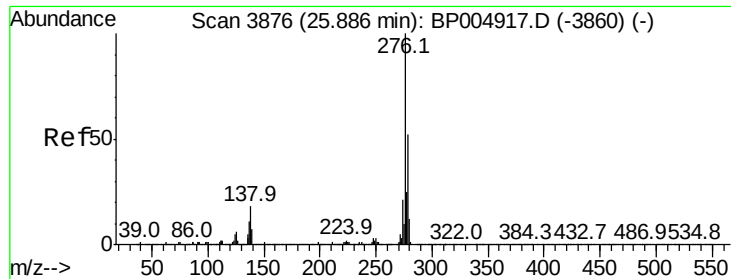
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#91
Benzo(a)pyrene
Concen: 3.875 ng/ul
RT: 23.44 min Scan# 3460
Delta R.T. -0.00 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion:	252	Resp:	42196
Ion Ratio	Lower	Upper	
252	100		
253	20.2	17.6	26.4
125	8.1	6.0	9.0





#92

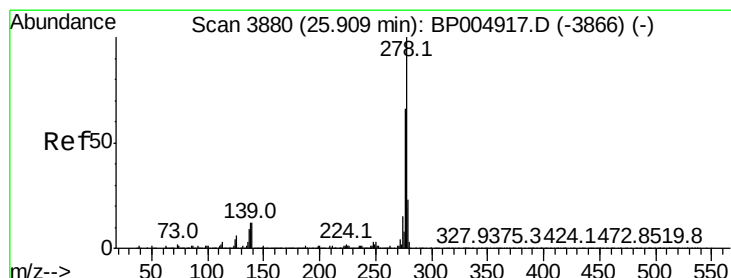
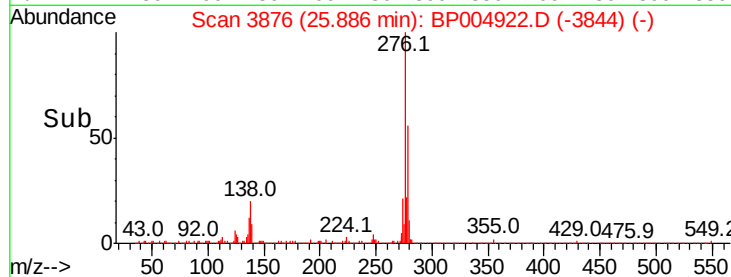
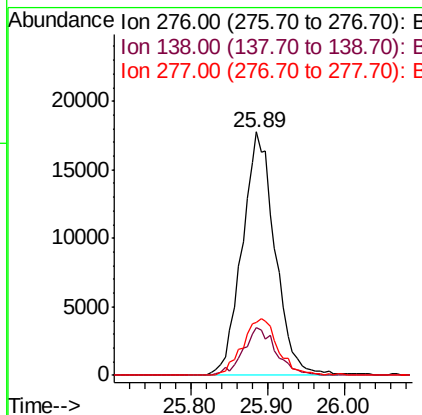
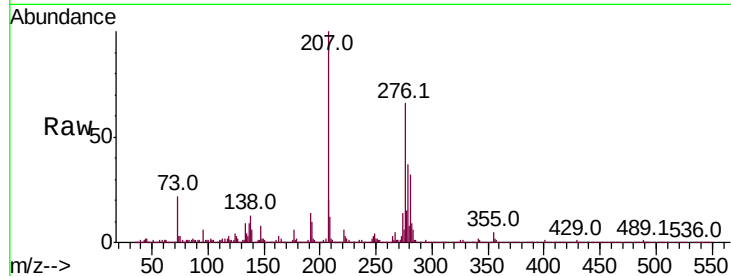
Indeno(1,2,3-cd)pyrene
Concen: 3.756 ng/ul
RT: 25.89 min Scan# 3876
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-05

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	14.3	21.5
277	21.9	20.6	30.8

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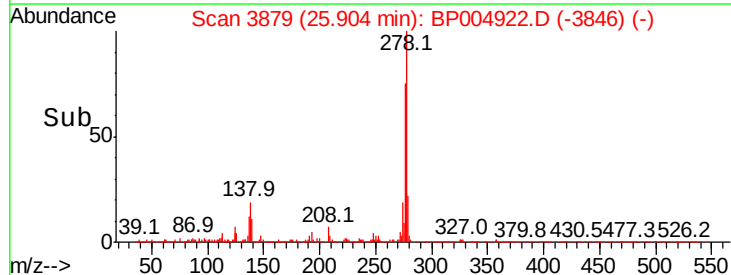
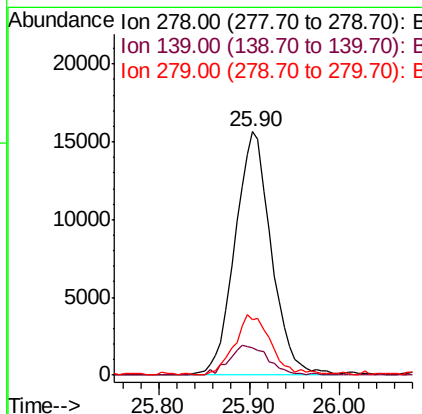
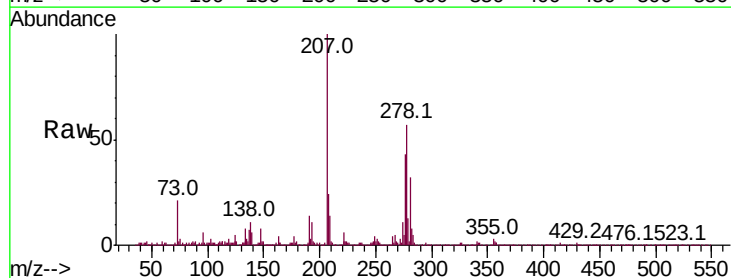
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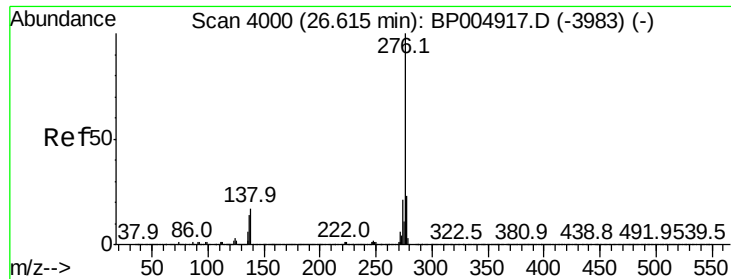


#93

Dibenzo(a,h)anthracene
Concen: 3.621 ng/ul
RT: 25.90 min Scan# 3879
Delta R.T. -0.01 min
Lab File: BP004922.D
Acq: 05 Mar 2021 18:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.0	9.3	13.9
279	22.9	18.9	28.3





#94

Benzo(a,h,i)perylene

Concen: 3.638 ng/ul

RT: 26.61 min Scan# 3999

Delta R.T. -0.01 min

Lab File: BP004922.D

Acq: 05 Mar 2021 18:25

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-05

Tot Ion:	276	Resp:	42753
Ion Ratio	Lower	Upper	
276	100		
138	13.6	12.4	18.6
277	22.7	20.1	30.1

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