

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061520\
 Data File : BP002407.D
 Acq On : 15 Jun 2020 13:28
 Operator : CG/JU
 Sample : L2182-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Quant Time: Jun 15 14:15:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	167646	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	666416	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	401343	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	895196	20.00	ng	0.00
76) Chrysene-d12	21.10	240	879402	20.00	ng	0.00
86) Perylene-d12	23.30	264	1007402	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1471763	162.45	ng	0.00
7) Phenol-d6	6.78	99	2034767	168.69	ng	0.00
23) Nitrobenzene-d5	8.73	82	1366663	122.47	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	710131	184.81	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	2692917	112.82	ng	0.00
79) Terphenyl-d14	19.59	244	3751886	111.79	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.16	88	34895	8.361	ng	99
3) Pyridine	3.55	79	77096	6.797	ng	97
4) n-Nitrosodimethylamine	3.46	42	38134	8.158	ng	97
6) Aniline	6.93	93	138511	8.443	ng	99
8) 2-Chlorophenol	7.16	128	82859	8.134	ng	99
9) Benzaldehyde	6.74	77	80624	13.082	ng	99
10) Phenol	6.80	94	109996	8.408	ng	96
11) bis(2-Chloroethyl)ether	7.03	93	89671	8.210	ng	98
12) 1,3-Dichlorobenzene	7.48	146	90758	7.737	ng	97
13) 1,4-Dichlorobenzene	7.63	146	95197	8.066	ng	99
14) 1,2-Dichlorobenzene	7.94	146	90844	8.035	ng	98
15) Benzyl Alcohol	7.83	79	69083	7.389	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.13	45	124742	8.049	ng	99
17) 2-Methylphenol	8.04	107	68943	7.212	ng	96
18) Hexachloroethane	8.66	117	33454	7.781	ng	98
19) n-Nitroso-di-n-propylamine	8.39	70	67921	8.424	ng	96
20) 3+4-Methylphenols	8.36	107	93206	7.224	ng	99
22) Acetophenone	8.40	105	140050	9.354	ng	97
24) Nitrobenzene	8.77	77	106702	8.895	ng	98
25) Isophorone	9.30	82	190023	8.361	ng	97
26) 2-Nitrophenol	9.49	139	40575	7.591	ng	99
27) 2,4-Dimethylphenol	9.56	122	64219	7.658	ng	98
28) bis(2-Chloroethoxy)methane	9.79	93	119687	8.841	ng	99
29) 2,4-Dichlorophenol	10.02	162	72250	7.654	ng	98
30) 1,2,4-Trichlorobenzene	10.23	180	87044	8.273	ng	98
31) Naphthalene	10.42	128	269700	8.711	ng	99
32) Benzoic acid	9.64	122	9805	1.537	ng	93
33) 4-Chloroaniline	10.53	127	105807	7.828	ng	99
34) Hexachlorobutadiene	10.72	225	48011	7.819	ng	96
35) Caprolactam	11.26	113	25630	7.698	ng	98
36) 4-Chloro-3-methylphenol	11.67	107	80913	7.922	ng	99
37) 2-Methylnaphthalene	12.04	142	191003	8.692	ng	96
38) 1-Methylnaphthalene	12.26	142	181921	8.820	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.42	216	98192	9.281	ng	100

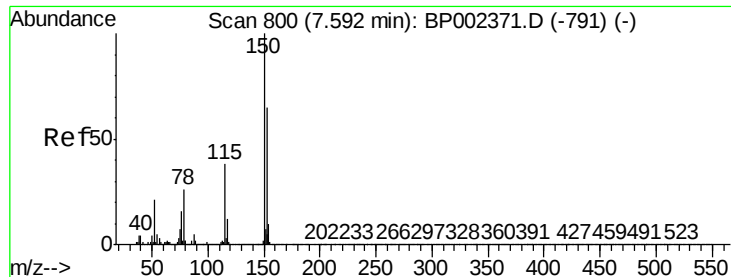
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061520\
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 QLast Update : Fri Jun 05 15:08:53 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.40	237	39102	6.952	ng	96
43) 2,4,6-Trichlorophenol	12.66	196	57551	7.686	ng	95
44) 2,4,5-Trichlorophenol	12.73	196	62976	7.264	ng	98
46) 1,1'-Biphenyl	13.07	154	258069	9.811	ng	99
47) 2-Chloronaphthalene	13.10	162	187517	8.715	ng	99
48) 2-Nitroaniline	13.31	65	49842	7.257	ng	96
49) Acenaphthylene	13.96	152	300453	8.749	ng	99
50) Dimethylphthalate	13.70	163	236758	8.609	ng	100
51) 2,6-Dinitrotoluene	13.81	165	47602	7.971	ng	88
52) Acenaphthene	14.30	154	181762	9.035	ng	94
53) 3-Nitroaniline	14.15	138	47643	6.986	ng	96
54) 2,4-Dinitrophenol	14.36	184	14234	4.345	ng	90
55) Dibenzofuran	14.65	168	298914	9.229	ng	98
56) 4-Nitrophenol	14.47	139	35011	6.466	ng	95
57) 2,4-Dinitrotoluene	14.61	165	60377	7.427	ng	98
58) Fluorene	15.30	166	229658	9.015	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.79	232	52112	7.572	ng	92
60) Diethylphthalate	15.09	149	236648	8.588	ng	98
61) 4-Chlorophenyl-phenylether	15.30	204	118174	9.569	ng	95
62) 4-Nitroaniline	15.31	138	47867	7.305	ng	96
63) Azobenzene	15.59	77	254020	9.261	ng	97
65) 4,6-Dinitro-2-methylphenol	15.38	198	28276	5.986	ng	93
66) n-Nitrosodiphenylamine	15.52	169	205875	9.003	ng	98
67) 4-Bromophenyl-phenylether	16.20	248	68790	8.112	ng	99
68) Hexachlorobenzene	16.31	284	78318	8.703	ng	96
69) Atrazine	16.47	200	74855	10.034	ng	99
70) Pentachlorophenol	16.66	266	35684	6.628	ng	96
71) Phenanthrene	17.04	178	387452	9.252	ng	97
72) Anthracene	17.13	178	378428	9.097	ng	97
73) Carbazole	17.40	167	352105	8.604	ng	99
74) Di-n-butylphthalate	17.99	149	380452	7.856	ng	100
75) Fluoranthene	19.02	202	439554	8.794	ng	97
77) Benzidine	19.21	184	144999	7.379	ng	100
78) Pyrene	19.37	202	479022	8.893	ng	99
80) Butylbenzylphthalate	20.27	149	166744	6.964	ng	99
81) Benzo(a)anthracene	21.09	228	455153	9.067	ng	99
82) 3,3'-Dichlorobenzidine	21.03	252	153511	8.229	ng	99
83) Chrysene	21.14	228	442575	9.306	ng	98
84) Bis(2-ethylhexyl)phthalate	21.04	149	272439	7.822	ng	98
85) Di-n-octyl phthalate	21.91	149	449061	7.350	ng	98
87) Indeno(1,2,3-cd)pyrene	25.52	276	514966	8.173	ng	97
88) Benzo(b)fluoranthene	22.64	252	438003	8.062	ng	96
89) Benzo(k)fluoranthene	22.64	252	438003	8.485	ng	96
90) Benzo(a)pyrene	23.20	252	399435	7.846	ng	98
91) Dibenzo(a,h)anthracene	25.53	278	437850	8.663	ng	95
92) Benzo(g,h,i)perylene	26.18	276	438704	8.381	ng	97

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

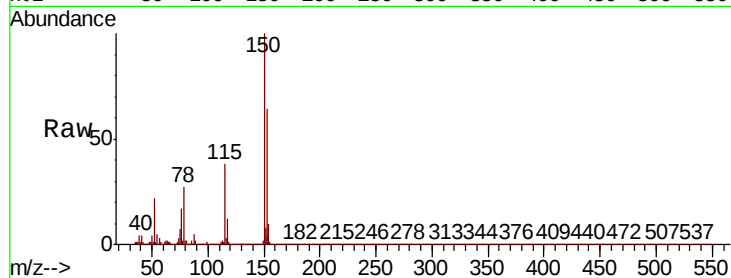


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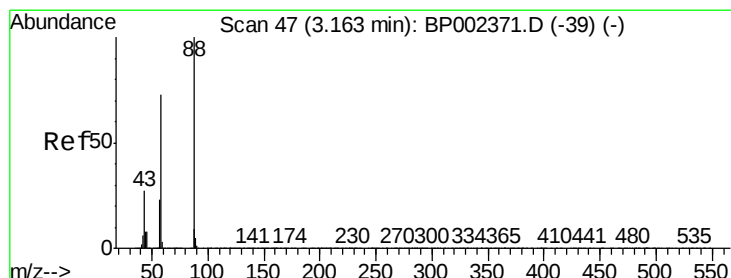
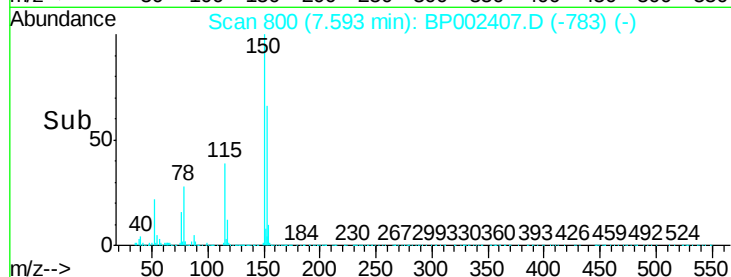
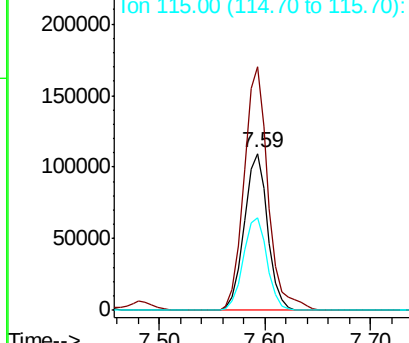
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.59 min Scan# 800
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.0	186.0
115	58.9	47.4	71.0



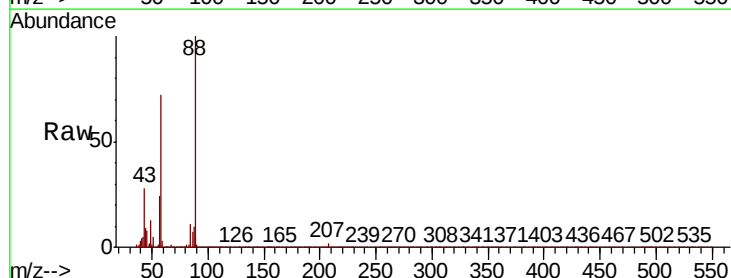
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



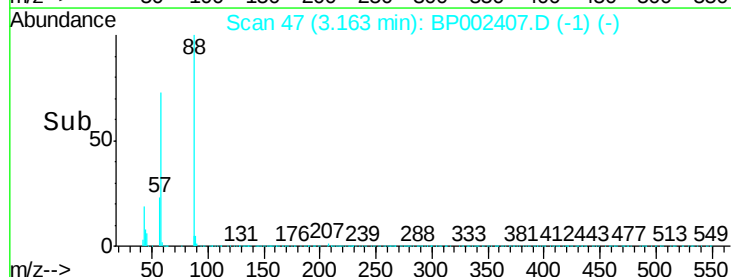
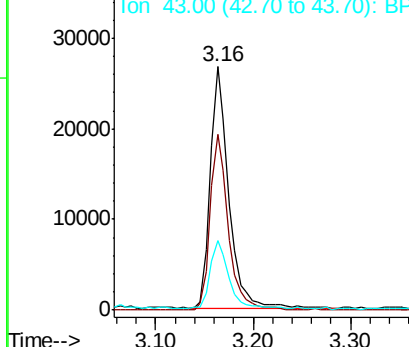
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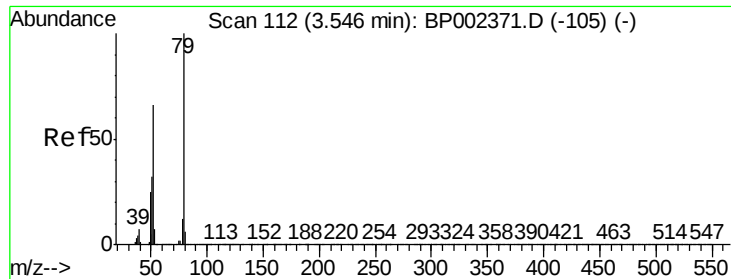
1,4-Dioxane
Concen: 8.361 ng
RT: 3.16 min Scan# 47
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.6	58.2	87.4
43	27.6	21.8	32.8



Abundance Ion 88.00 (87.70 to 88.70): BP0
Ion 58.00 (57.70 to 58.70): BP0
Ion 43.00 (42.70 to 43.70): BP0

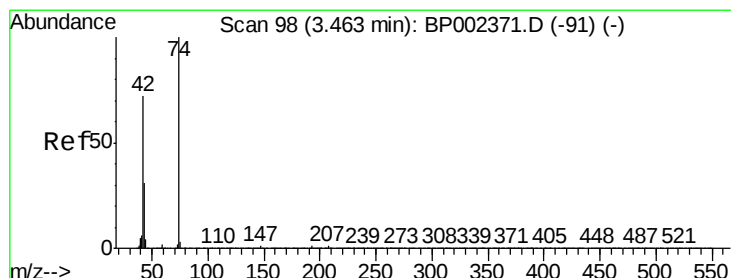
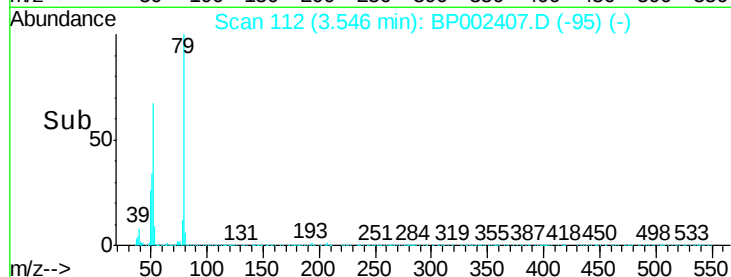
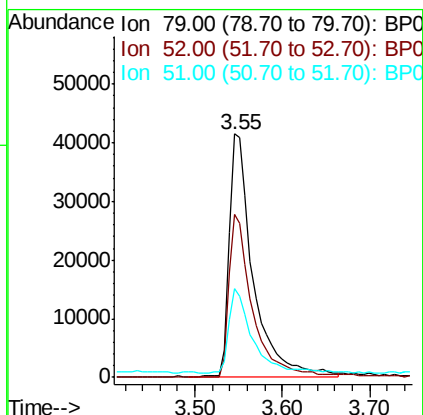
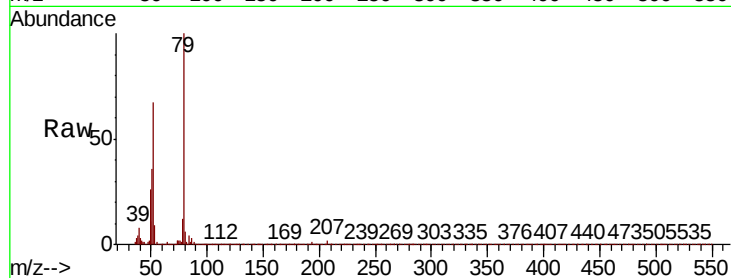




#3
 Pvridine
 Concen: 6.797 ng
 RT: 3.55 min Scan# 112
 Delta R.T. 0.00 min
 Lab File: BP002407.D
 Acq: 15 Jun 2020 13:28

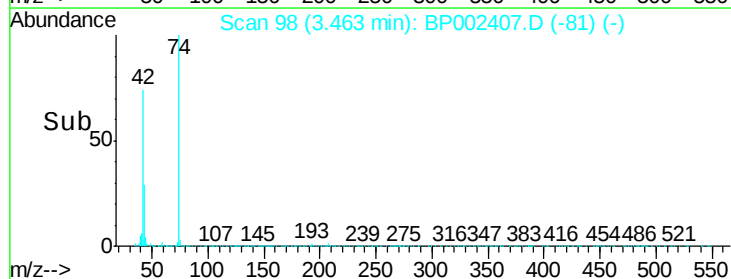
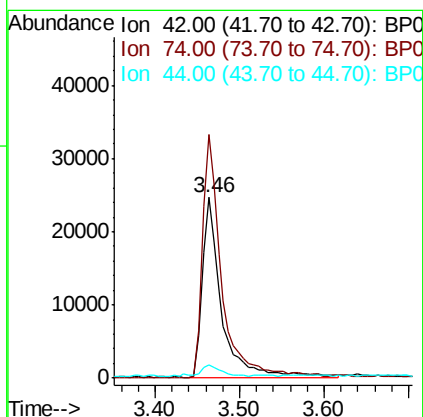
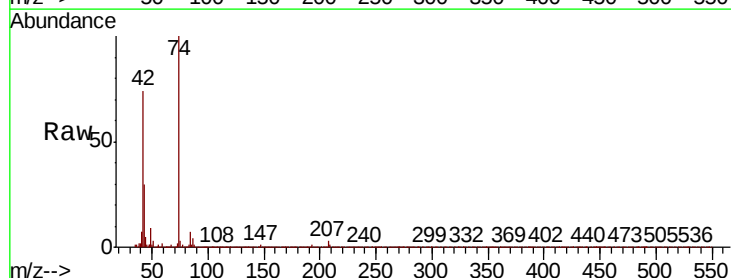
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

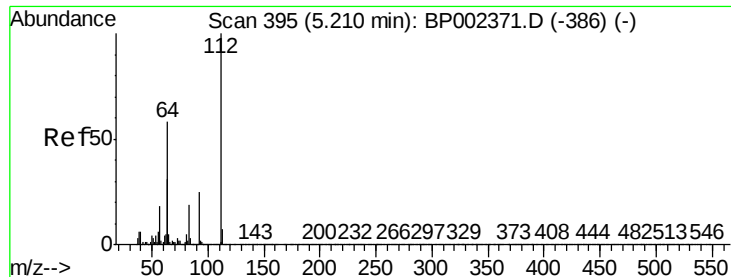
Tot Ion	Ratio	Lower	Upper
79	100		
52	67.1	52.5	78.7
51	36.3	26.1	39.1



#4
 n-Nitrosodimethylamine
 Concen: 8.158 ng
 RT: 3.46 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: BP002407.D
 Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
42	100		
74	134.9	111.1	166.7
44	7.0	5.4	8.0





#5

2-Fluorophenol

Concen: 162.448 ng

RT: 5.21 min Scan# 395

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

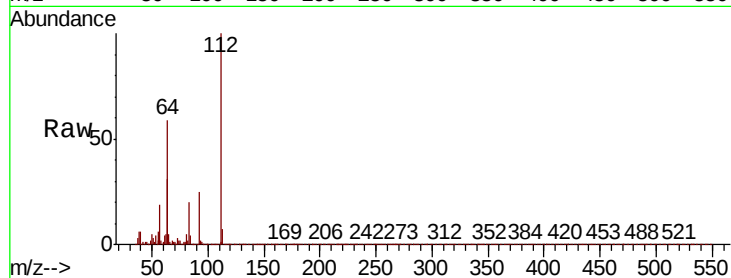
Tot Ion:112 Resp: 1471763

Ion Ratio Lower Upper

112 100

64 59.1 46.2 69.2

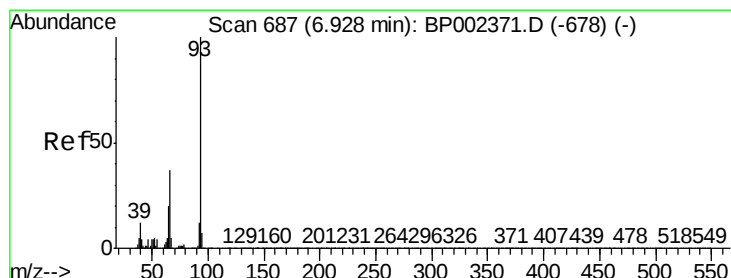
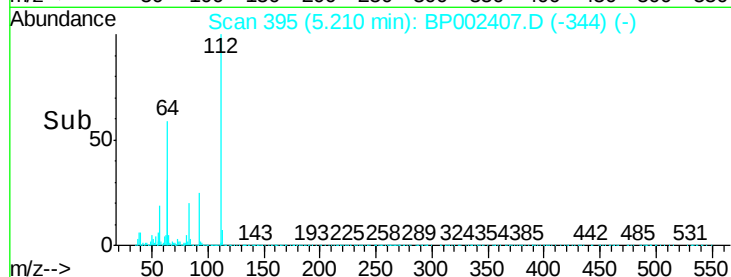
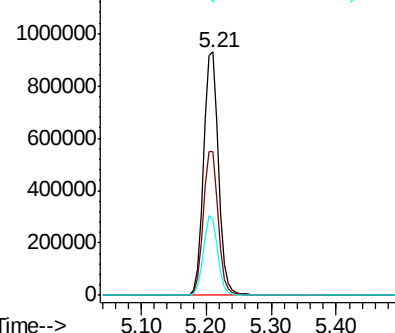
63 31.1 24.5 36.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 8.443 ng

RT: 6.93 min Scan# 687

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

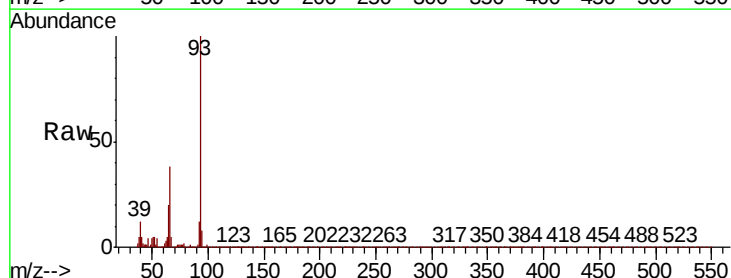
Tgt Ion: 93 Resp: 138511

Ion Ratio Lower Upper

93 100

66 37.8 29.8 44.6

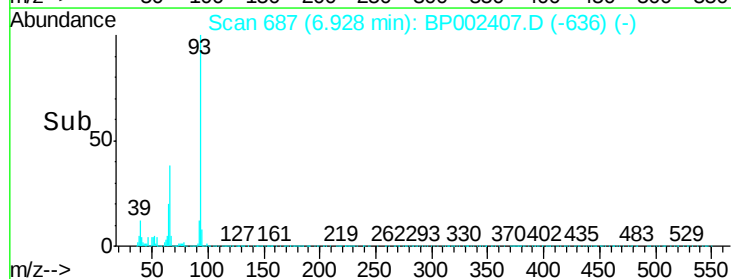
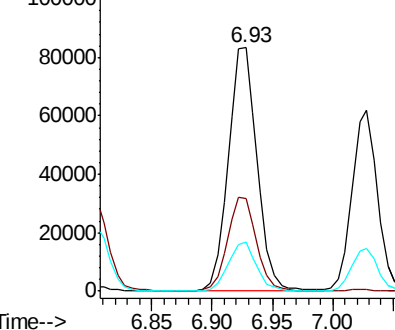
65 20.1 15.7 23.5

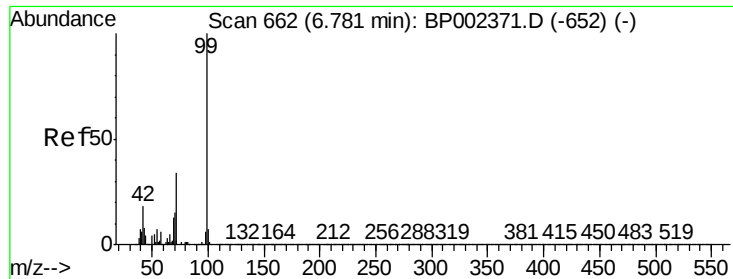


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 168.688 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

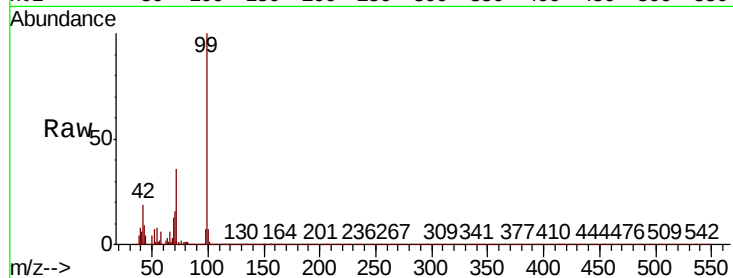
BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion: 99 Resp: 2034767

Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.6	22.0
71	35.7	27.2	40.8

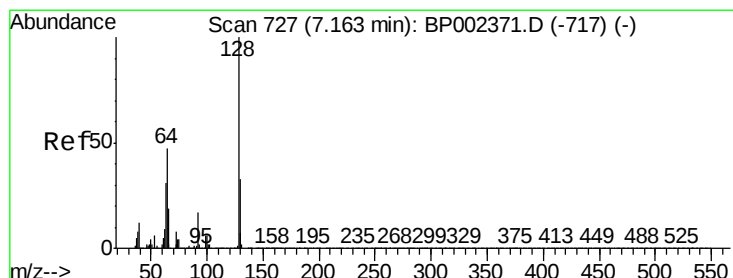
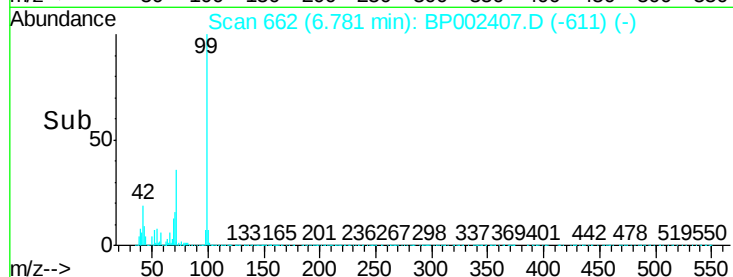
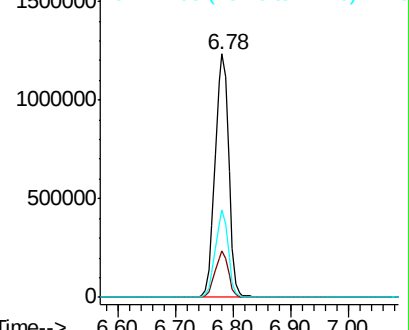


Abundance

Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#8

2-Chlorophenol

Concen: 8.134 ng

RT: 7.16 min Scan# 727

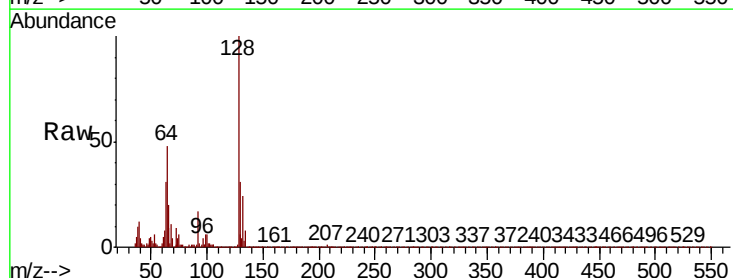
Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Tgt Ion: 128 Resp: 82859

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.5	52.5
64	47.6	27.7	67.7

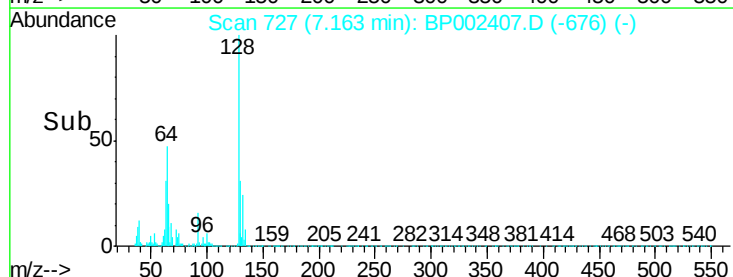
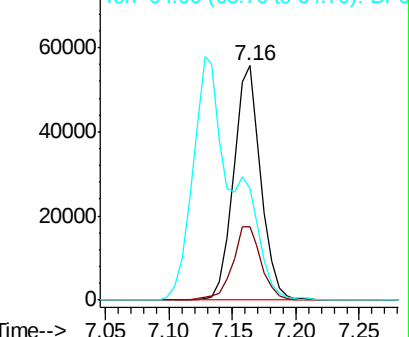


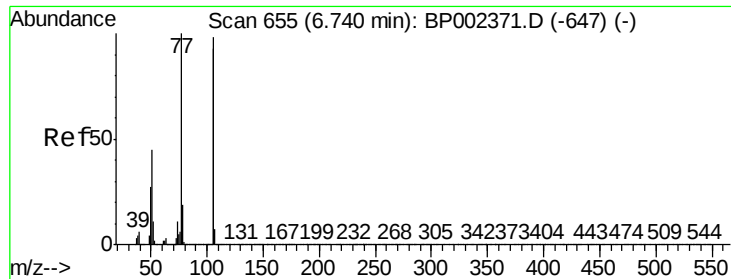
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





#9

Benzaldehyde

Concen: 13.082 ng

RT: 6.74 min Scan# 655

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

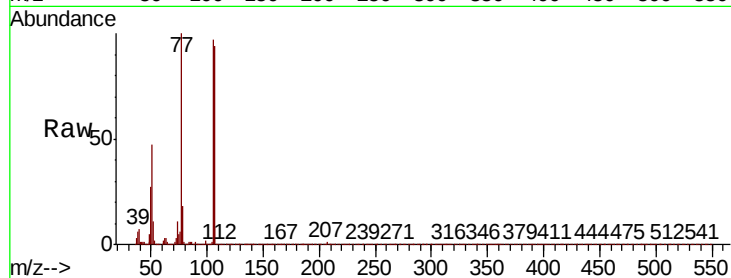
Tot Ion: 77 Resp: 80624

Ion Ratio Lower Upper

77 100

105 97.3 78.1 118.1

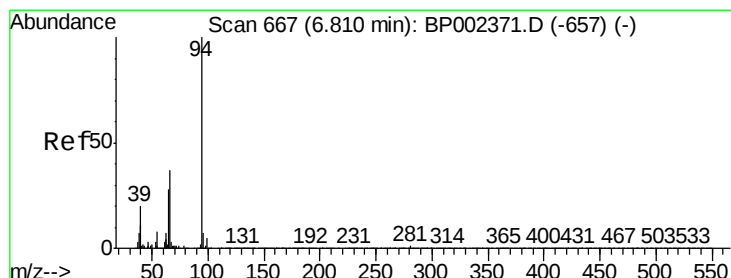
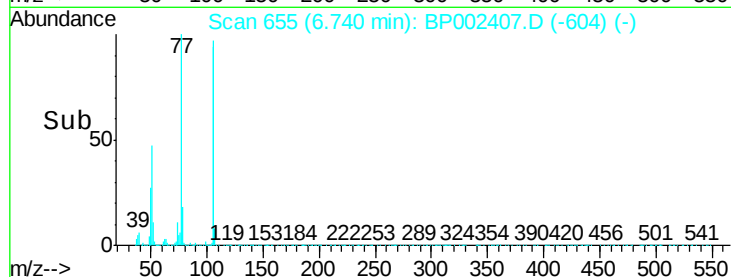
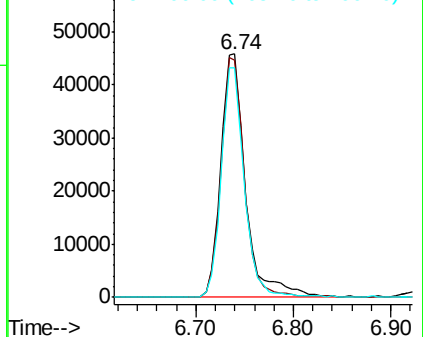
106 94.3 73.2 113.2



Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



#10

Phenol

Concen: 8.408 ng

RT: 6.80 min Scan# 666

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

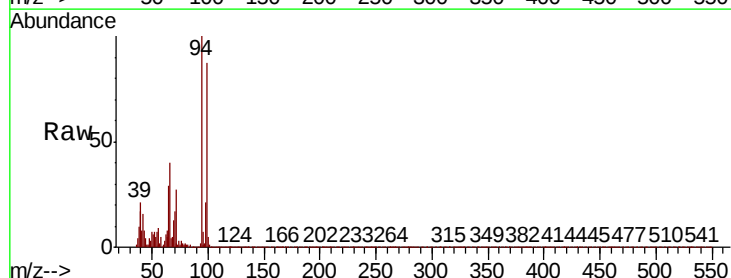
Tgt Ion: 94 Resp: 109996

Ion Ratio Lower Upper

94 100

65 28.7 7.7 47.7

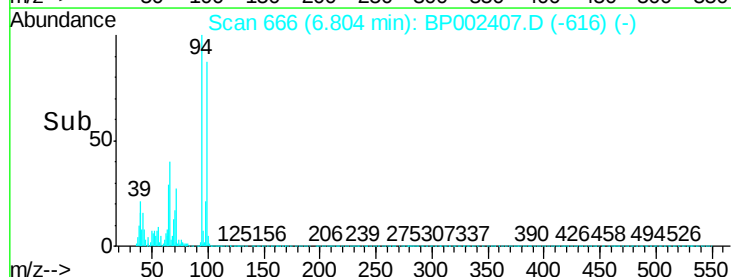
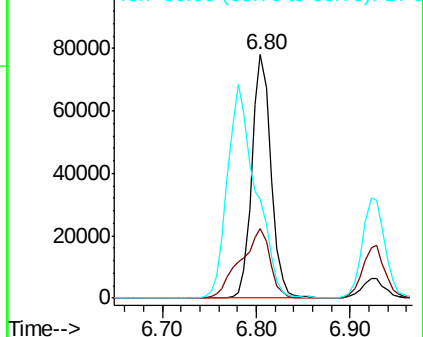
66 40.5 16.9 56.9

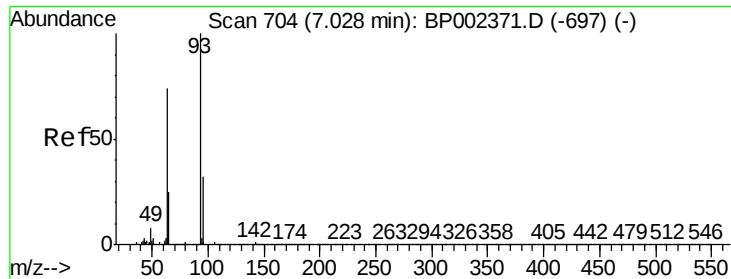


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

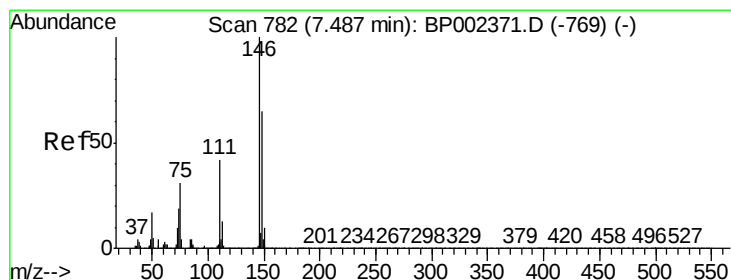
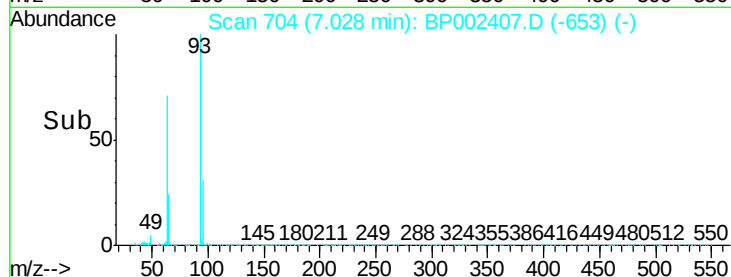
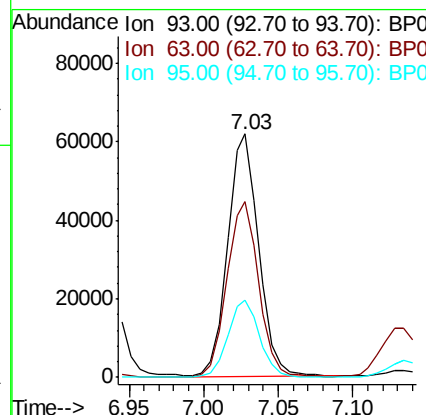
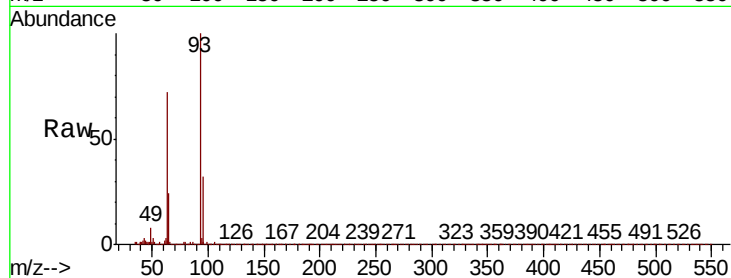




#11
bis(2-Chloroethyl)ether
Concen: 8.210 ng
RT: 7.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

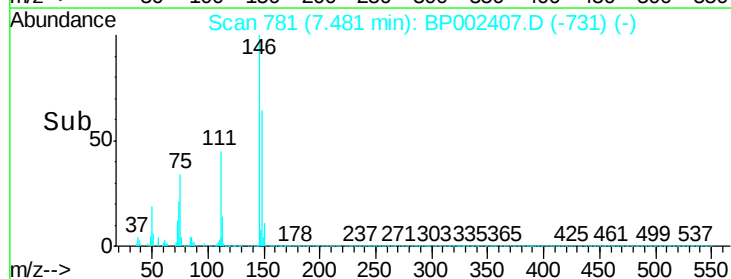
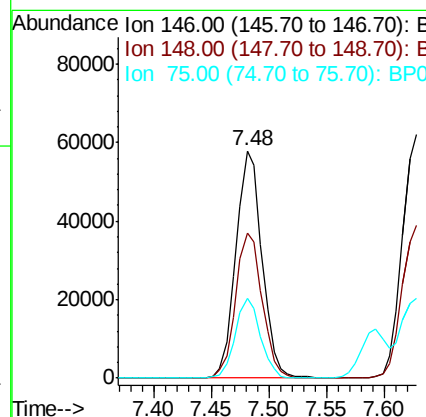
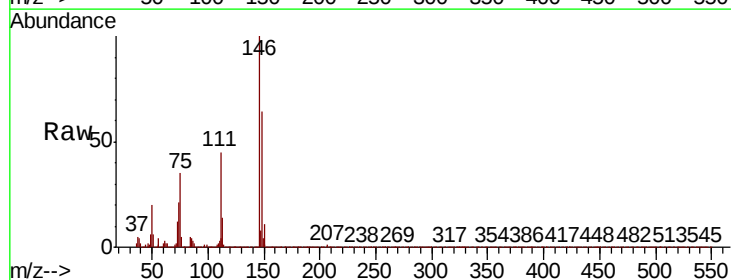
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

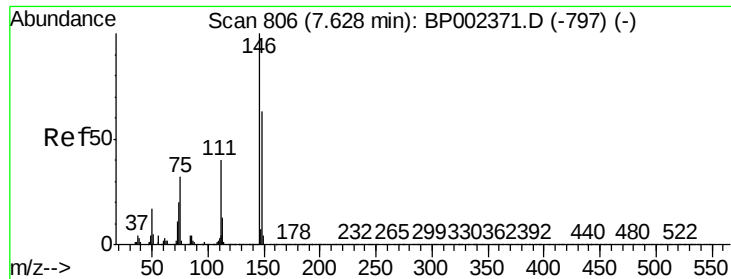
Tot Ion	Ratio	Lower	Upper
93	100		
63	72.4	54.2	94.2
95	31.5	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 7.737 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.6	77.4
75	35.0	25.0	37.4

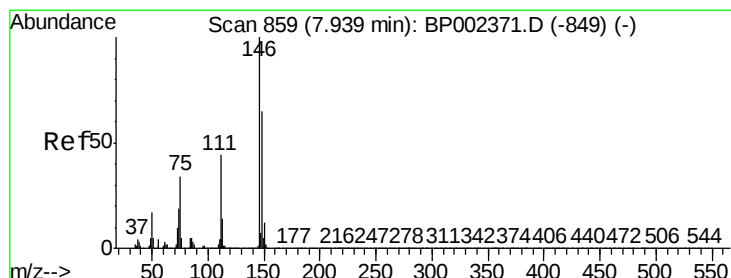
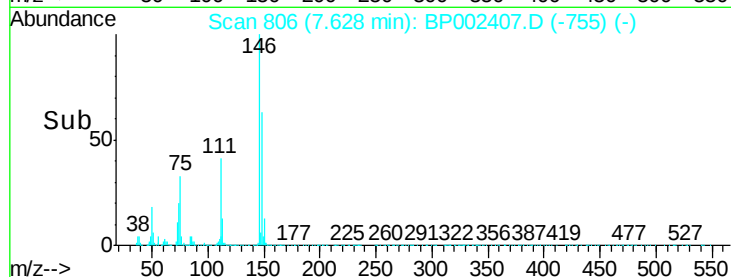
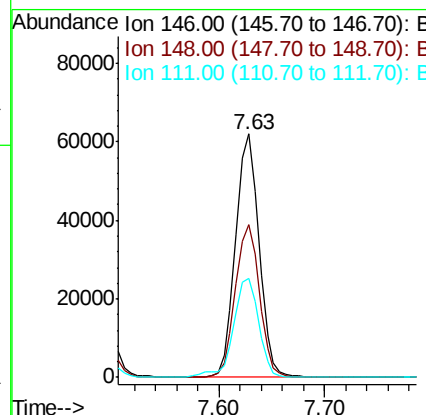
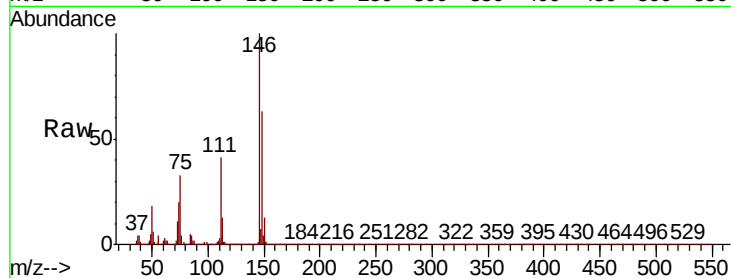




#13
1,4-Dichlorobenzene
Concen: 8.066 ng
RT: 7.63 min Scan# 806
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

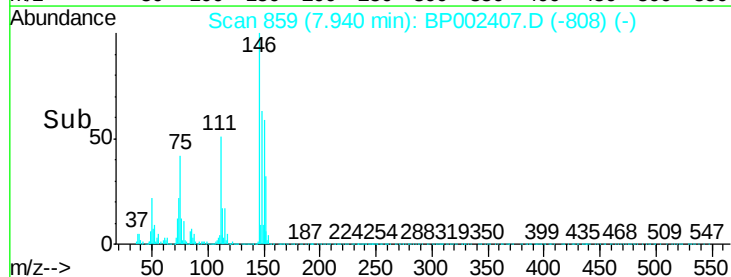
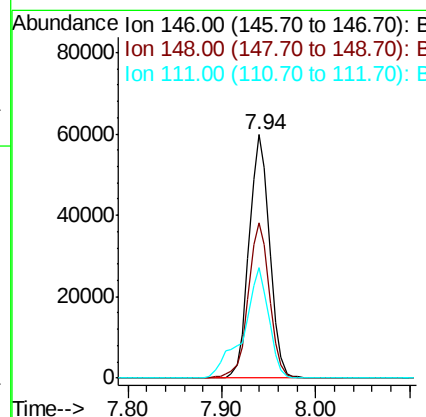
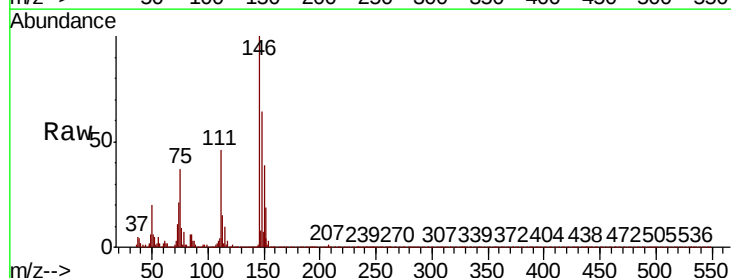
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

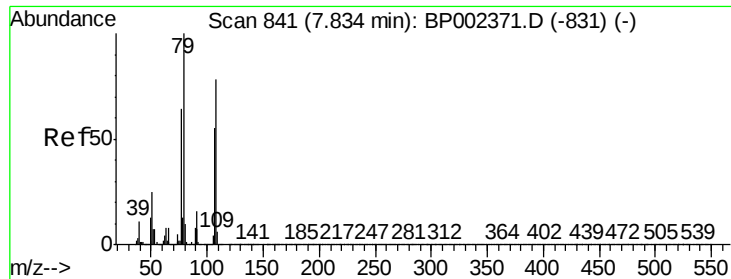
Tot Ion:146 Resp: 95197
Ion Ratio Lower Upper
146 100
148 62.9 50.7 76.1
111 40.6 32.2 48.2



#14
1,2-Dichlorobenzene
Concen: 8.035 ng
RT: 7.94 min Scan# 859
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:146 Resp: 90844
Ion Ratio Lower Upper
146 100
148 63.7 51.8 77.6
111 45.5 35.4 53.2

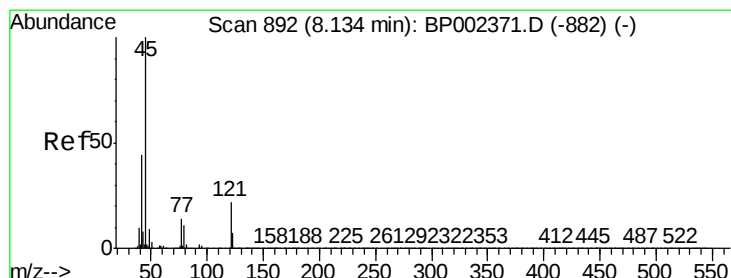
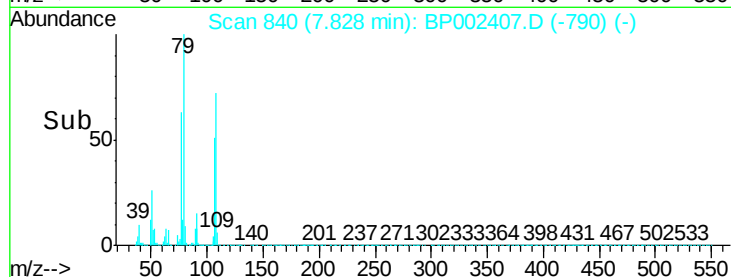
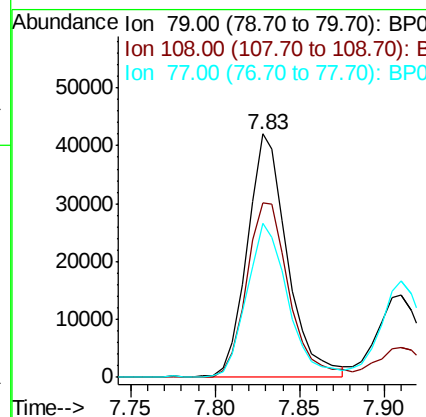
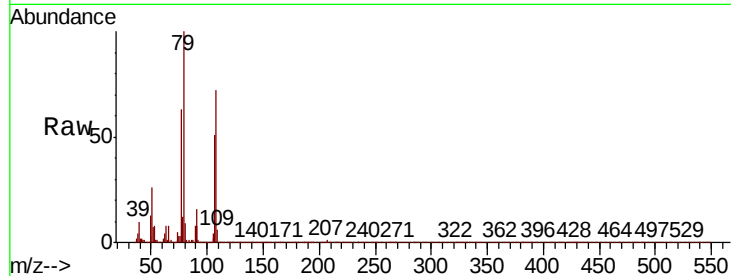




#15
Benzyl Alcohol
Concen: 7.389 ng
RT: 7.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

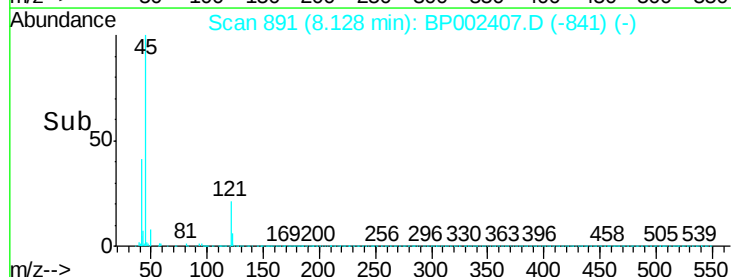
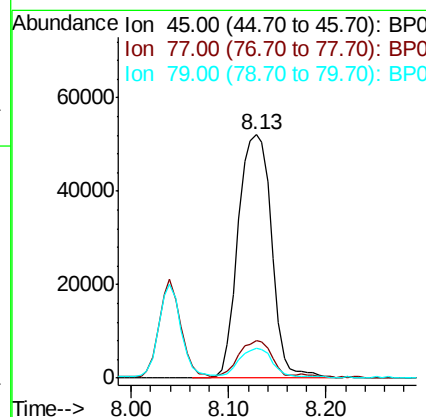
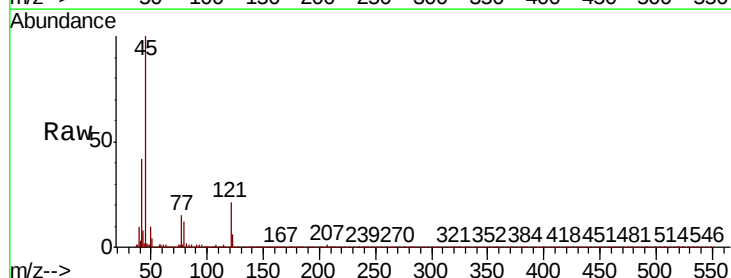
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

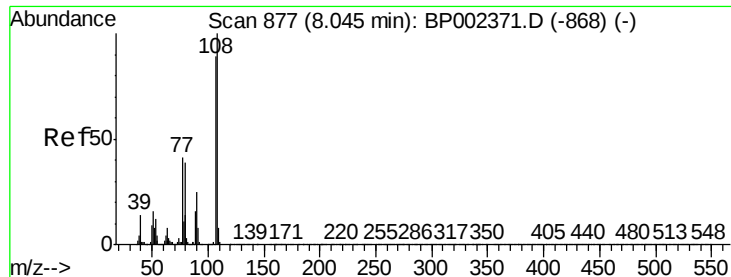
Tot Ion	Ratio	Lower	Upper
79	100		
108	71.6	62.6	94.0
77	63.4	51.5	77.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 8.049 ng
RT: 8.13 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.0
79	12.1	0.0	32.0

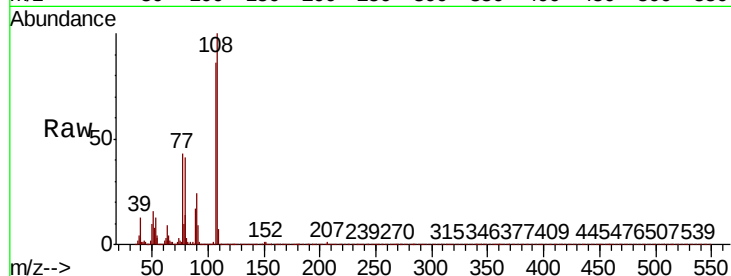




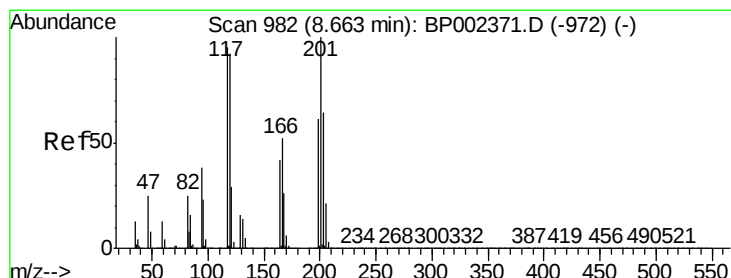
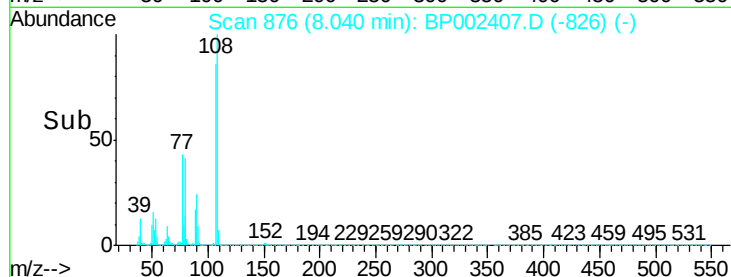
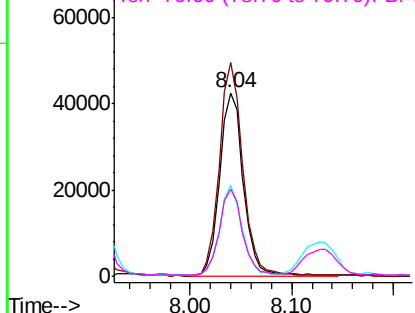
#17
2-Methylphenol
Concen: 7.212 ng
RT: 8.04 min Scan# 876
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:	107	Resp:	68943
Ion	Ratio	Lower	Upper
107	100		
108	116.6	90.3	135.5
77	49.9	37.1	55.7
79	47.5	35.8	53.6

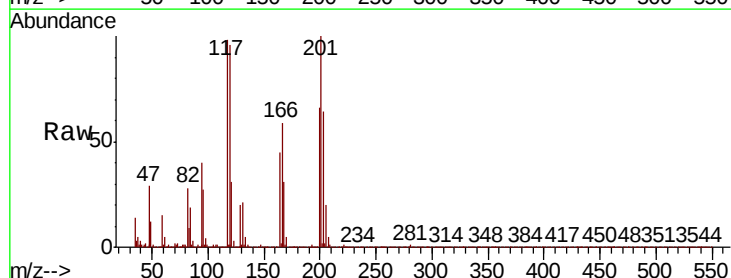


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BP0
Ion 79.00 (78.70 to 79.70): BP0

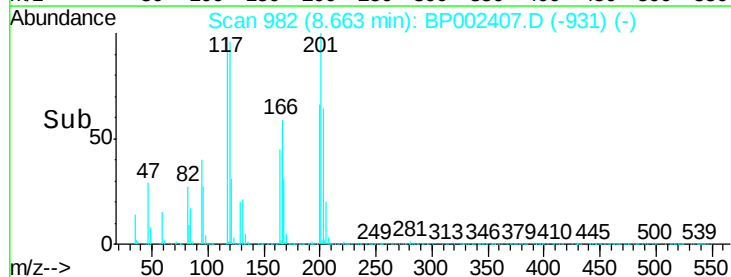
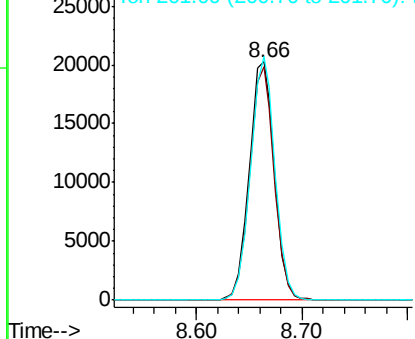


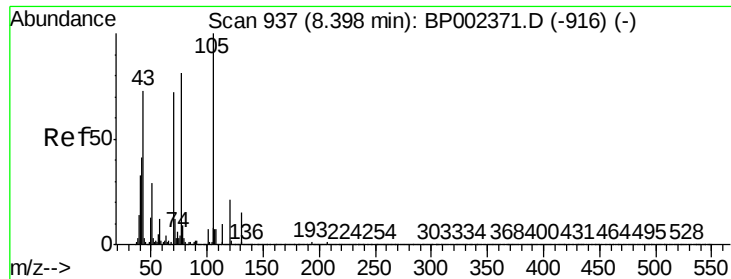
#18
Hexachloroethane
Concen: 7.781 ng
RT: 8.66 min Scan# 982
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:	117	Resp:	33454
Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.8	116.8
201	102.2	84.2	126.4



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

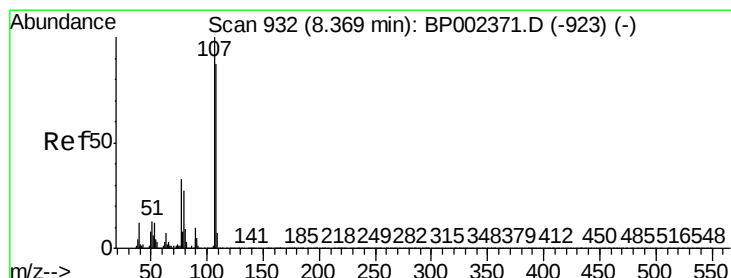
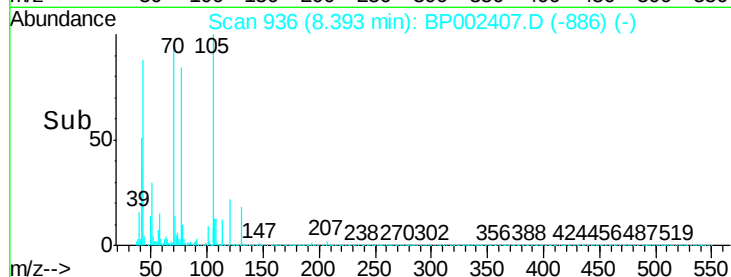
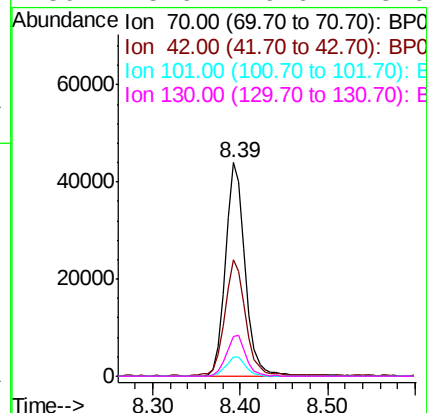
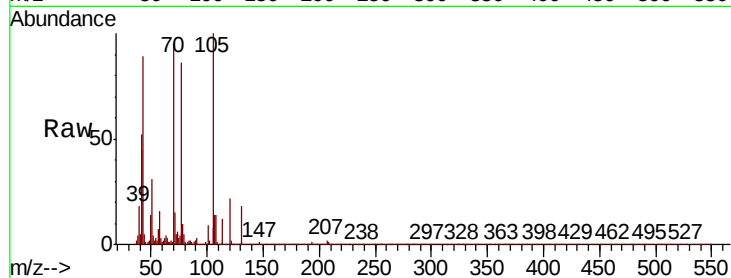




#19
n-Nitroso-di-n-propylamine
Concen: 8.424 ng
RT: 8.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

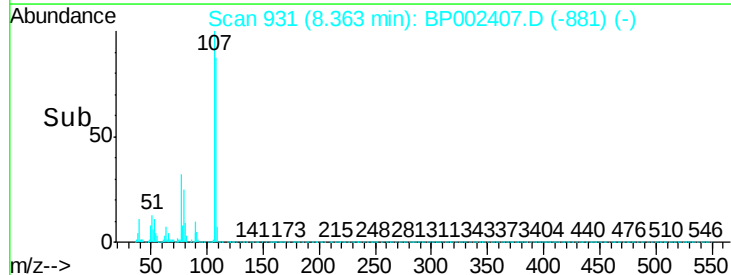
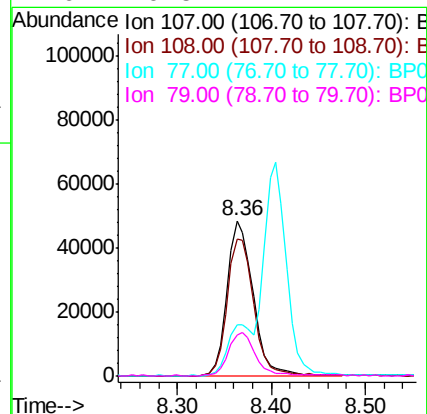
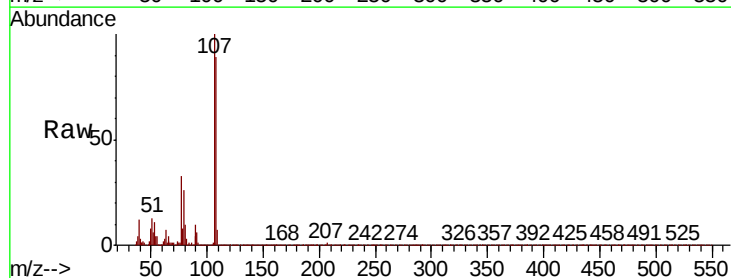
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

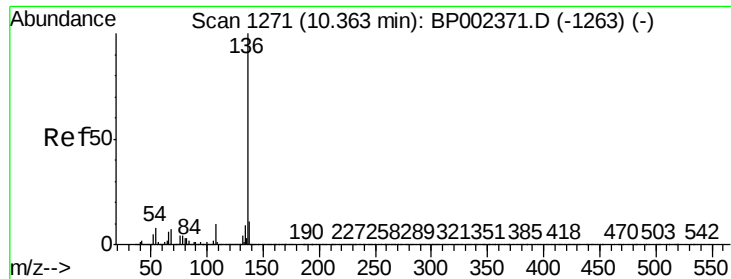
Tot Ion:	70	Resp:	67921
Ion	Ratio	Lower	Upper
70	100		
42	54.4	45.7	68.5
101	9.0	7.5	11.3
130	18.6	16.6	25.0



#20
3+4-Methylphenols
Concen: 7.224 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:	107	Resp:	93206
Ion	Ratio	Lower	Upper
107	100		
108	88.6	67.5	107.5
77	32.9	13.5	53.5
79	26.5	7.4	47.4

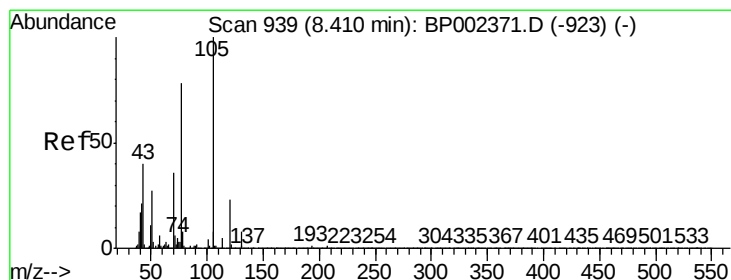
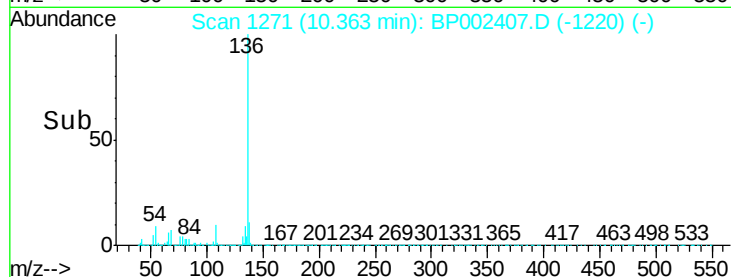
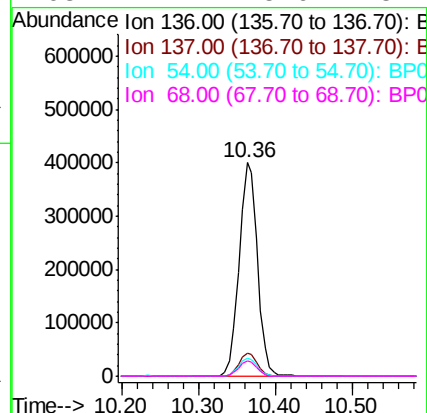
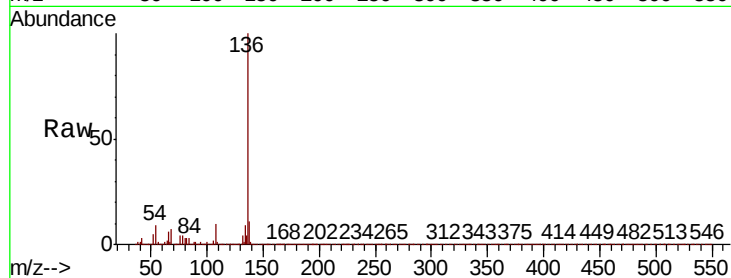




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

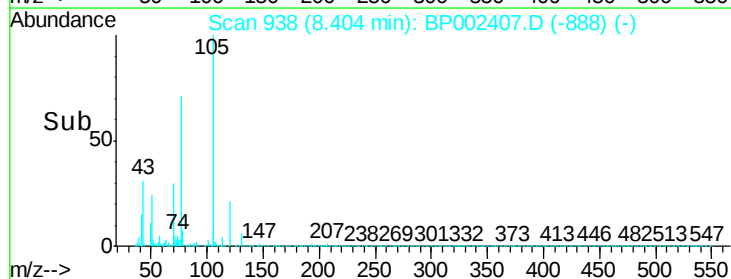
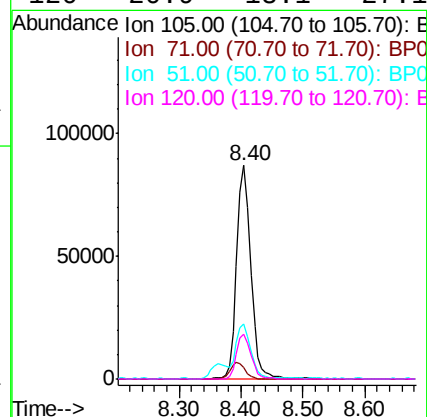
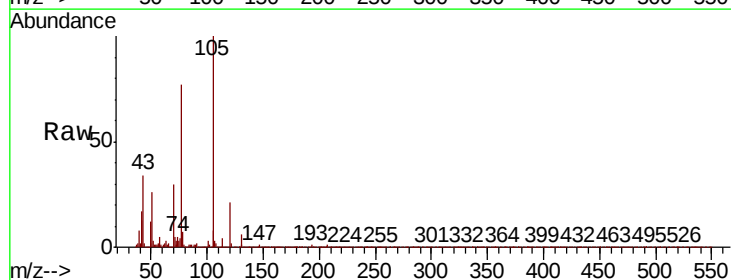
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

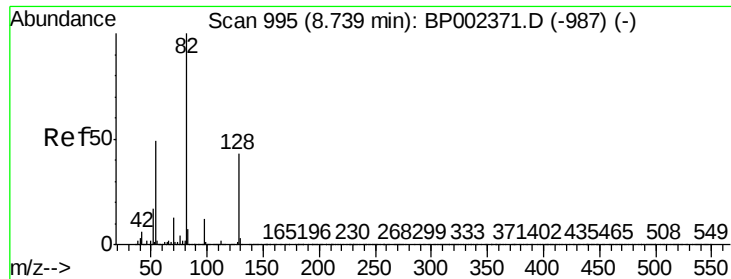
Tot Ion:136	Resp:	666416	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.8	13.2	
54 8.7	6.4	9.6	
68 7.2	5.6	8.4	



#22
Acetophenone
Concen: 9.354 ng
RT: 8.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt	Ion:105	Resp:	140050
Ion	Ratio	Lower	Upper
105	100		
71	5.2	4.7	7.1
51	25.7	21.4	32.0
120	20.9	18.1	27.1

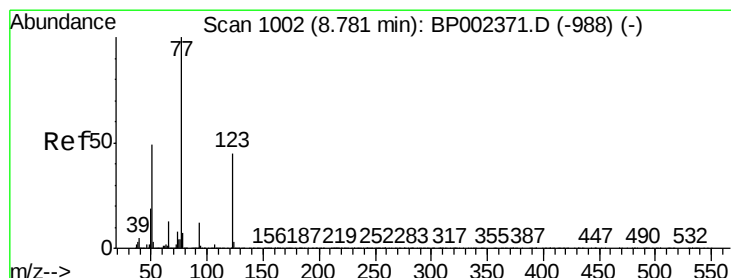
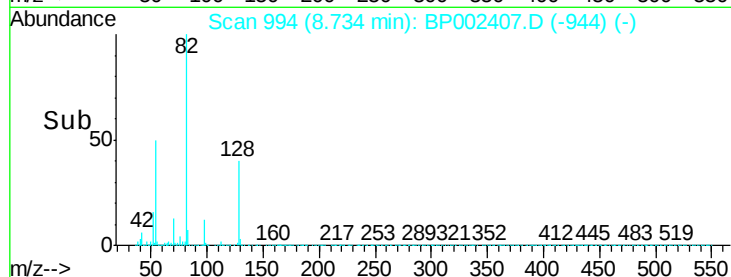
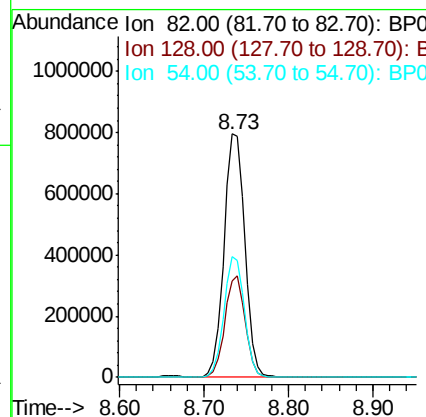
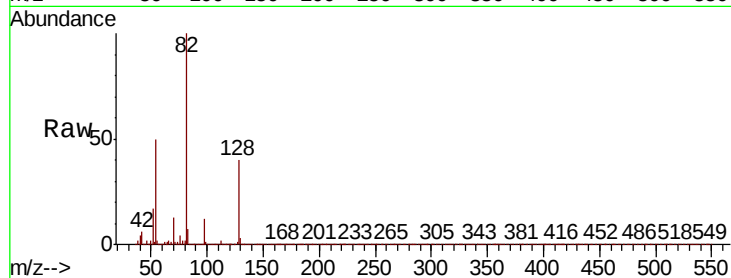




#23
Nitrobenzene-d5
Concen: 122.470 ng
RT: 8.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

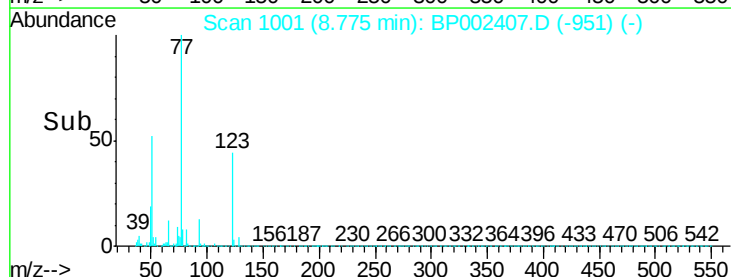
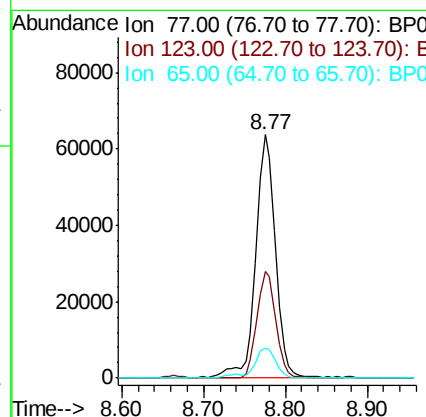
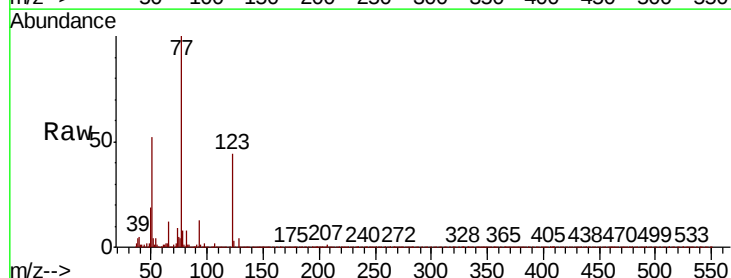
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

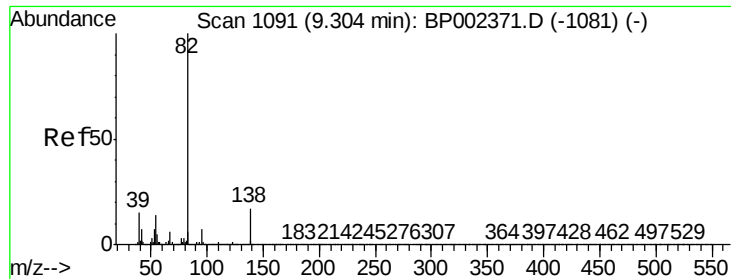
Tot Ion: 82 Resp: 1366663
Ion Ratio Lower Upper
82 100
128 39.5 34.5 51.7
54 49.7 39.4 59.2



#24
Nitrobenzene
Concen: 8.895 ng
RT: 8.77 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion: 77 Resp: 106702
Ion Ratio Lower Upper
77 100
123 43.8 35.8 53.8
65 12.4 10.5 15.7

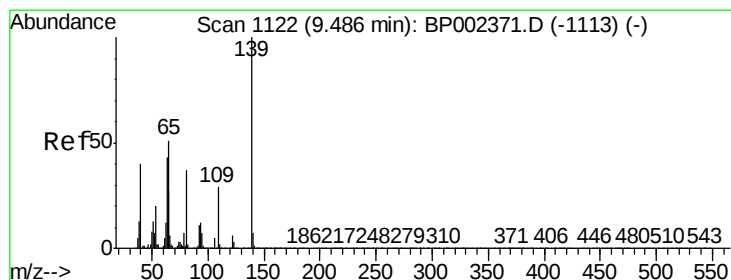
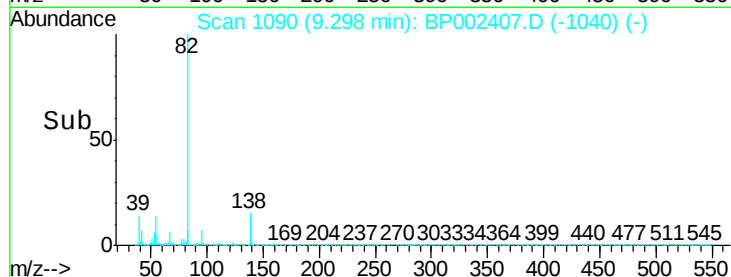
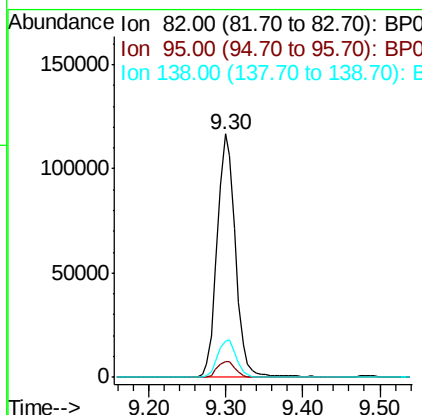
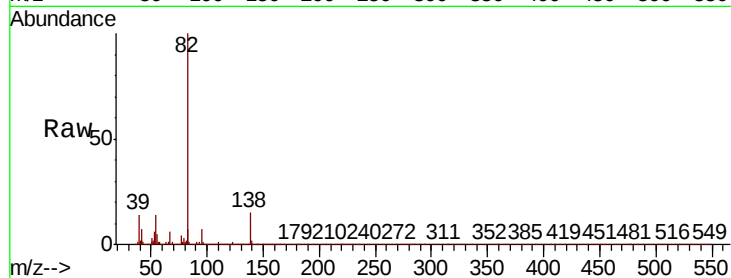




#25
Isophorone
Concen: 8.361 ng
RT: 9.30 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

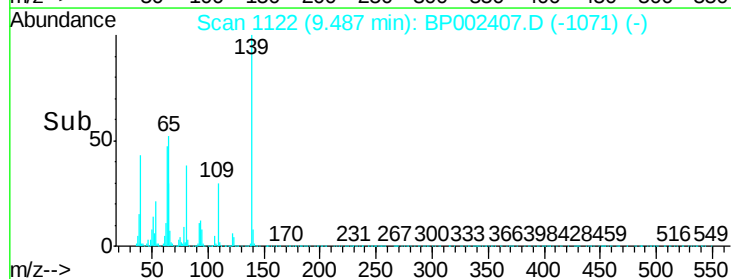
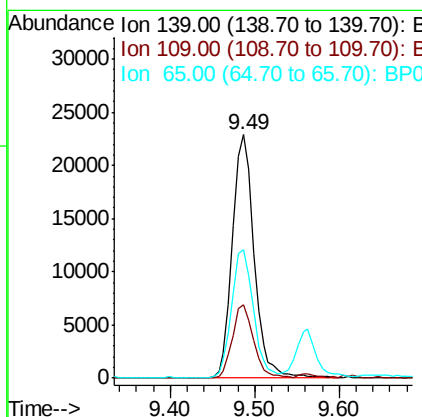
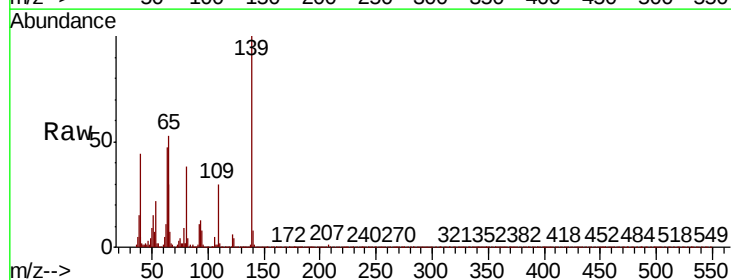
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

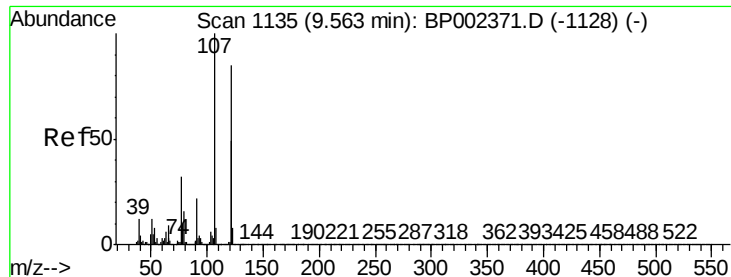
Tot Ion: 82 Resp: 190023
Ion Ratio Lower Upper
82 100
95 6.6 5.4 8.2
138 15.1 13.4 20.0



#26
2-Nitrophenol
Concen: 7.591 ng
RT: 9.49 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion: 139 Resp: 40575
Ion Ratio Lower Upper
139 100
109 29.9 23.4 35.2
65 52.5 41.1 61.7

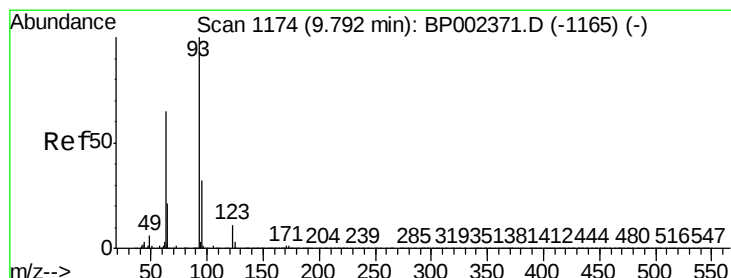
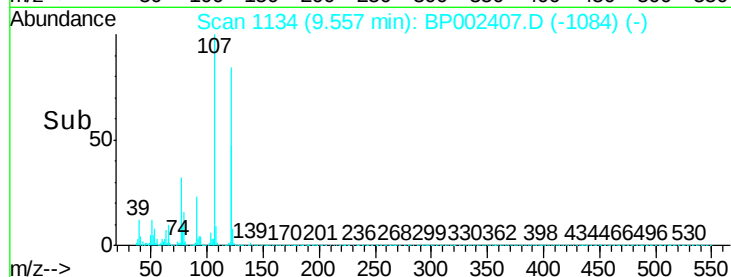
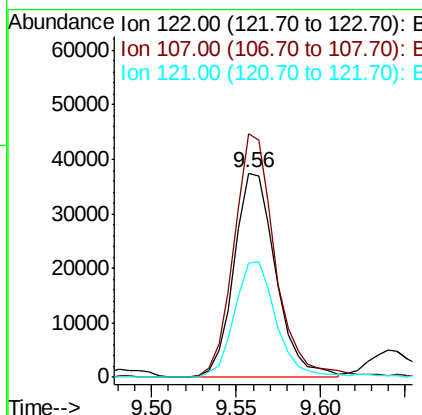
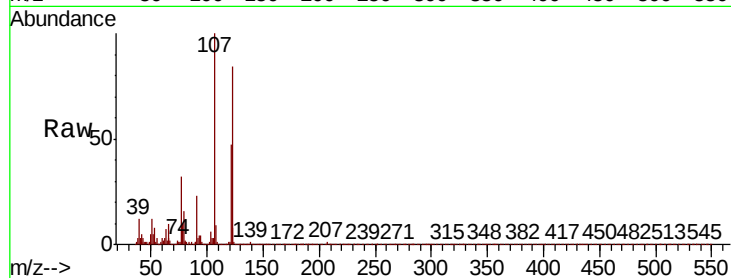




#27
2,4-Dimethylphenol
Concen: 7.658 ng
RT: 9.56 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

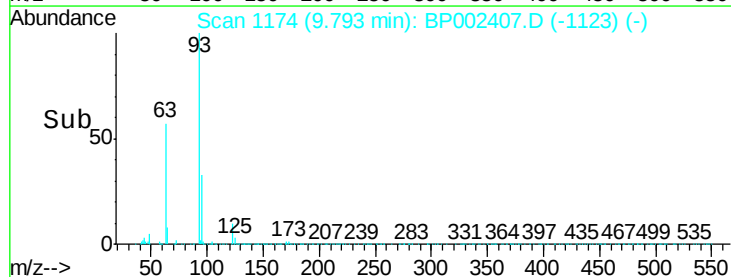
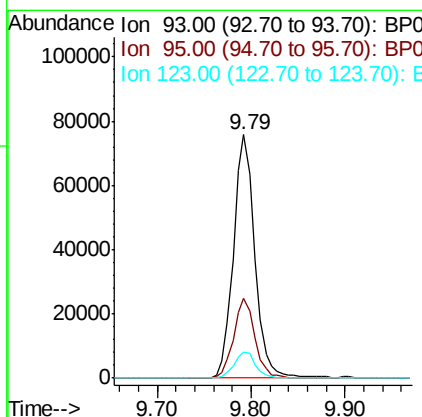
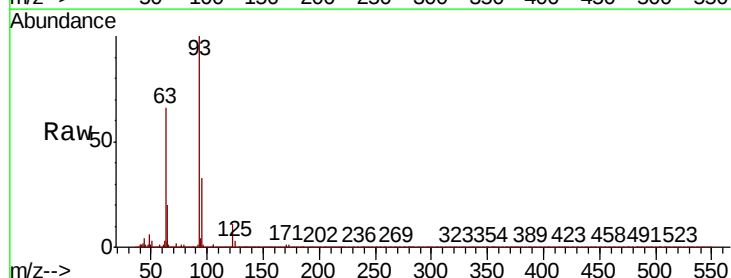
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

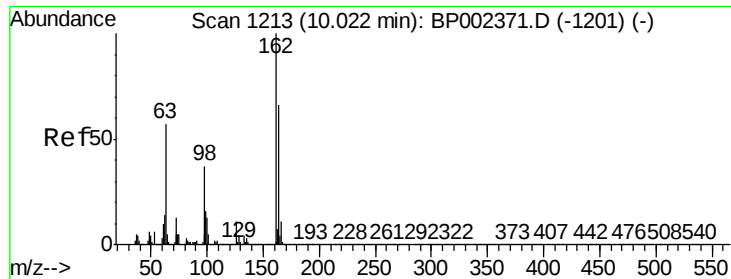
Tot Ion	Ratio	Lower	Upper
122	100		
107	119.1	94.0	141.0
121	55.8	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 8.841 ng
RT: 9.79 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	10.9	8.7	13.1

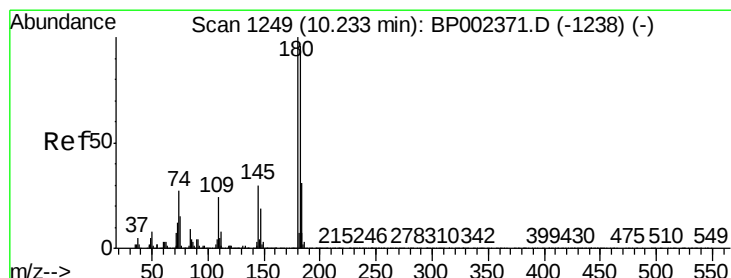
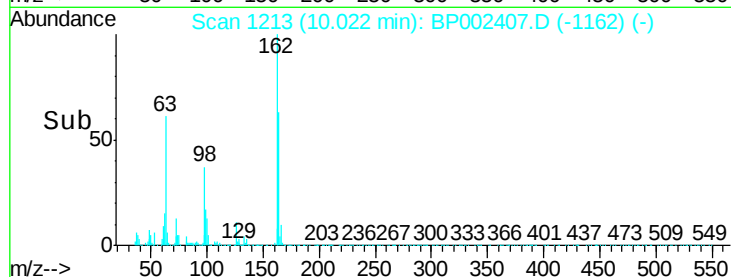
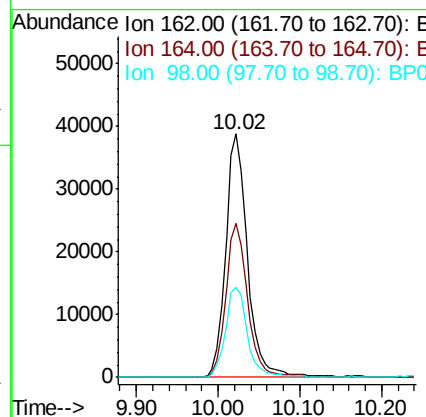
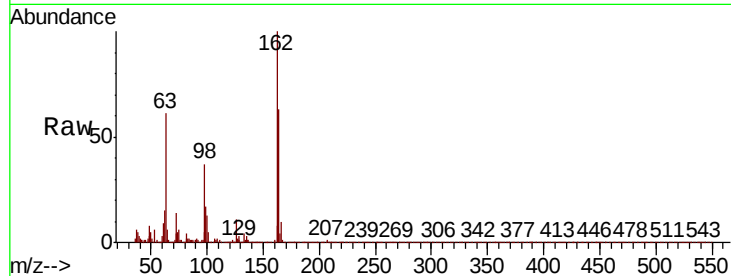




#29
2,4-Dichlorophenol
Concen: 7.654 ng
RT: 10.02 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

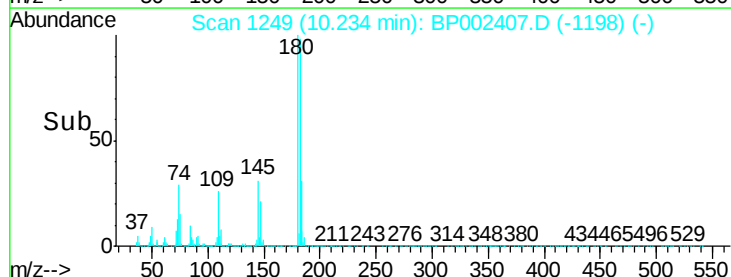
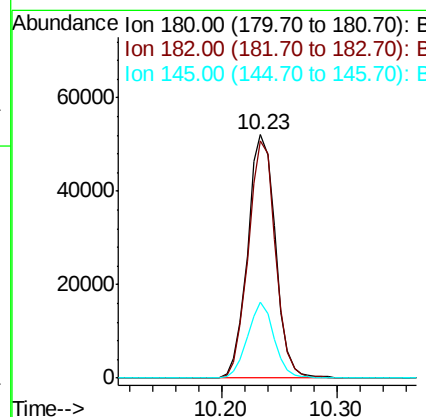
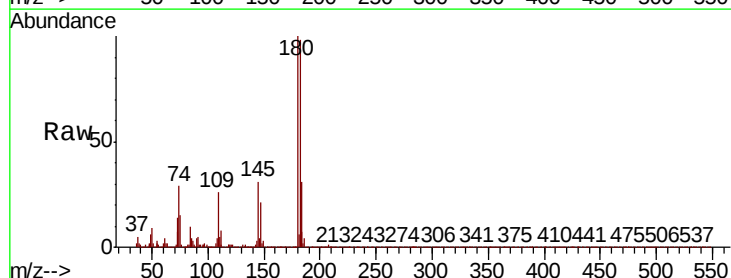
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

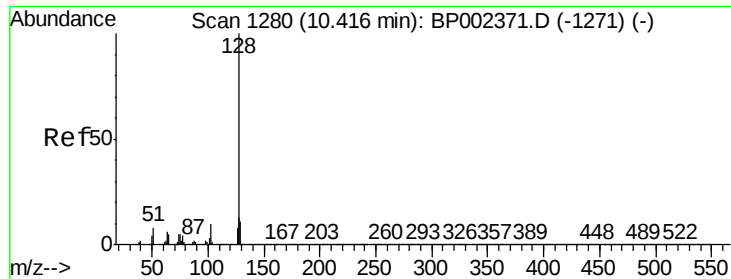
Tot Ion	162	Resp	72250
Ion Ratio	Lower	Upper	
162	100		
164	63.1	45.5	85.5
98	37.1	16.6	56.6



#30
1,2,4-Trichlorobenzene
Concen: 8.273 ng
RT: 10.23 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	180	Resp	87044
Ion Ratio	Lower	Upper	
180	100		
182	97.6	77.1	115.7
145	31.3	23.8	35.6

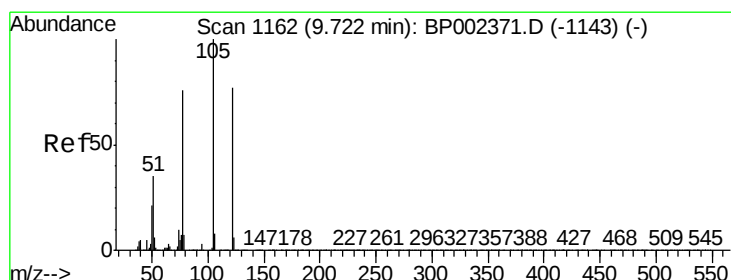
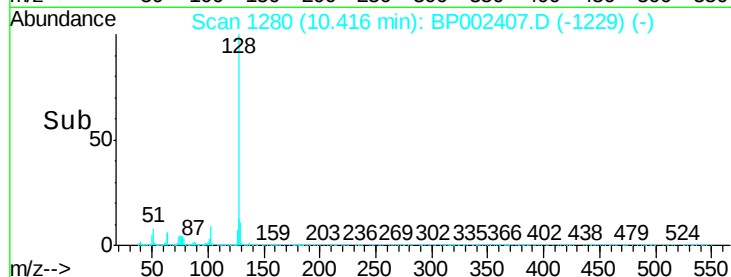
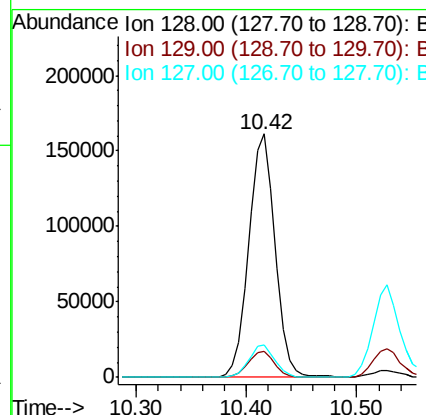
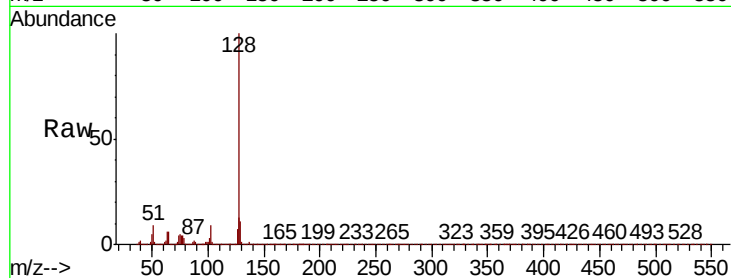




#31
Naphthalene
Concen: 8.711 ng
RT: 10.42 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

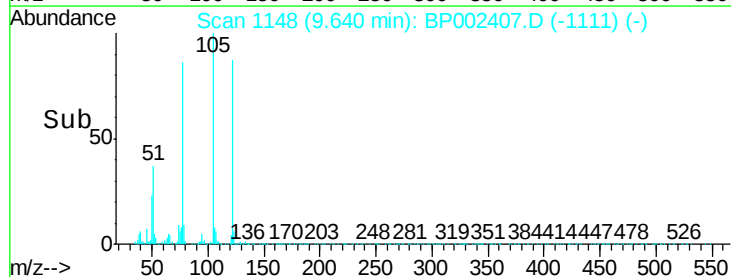
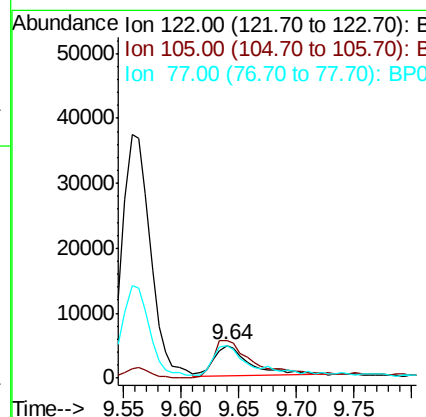
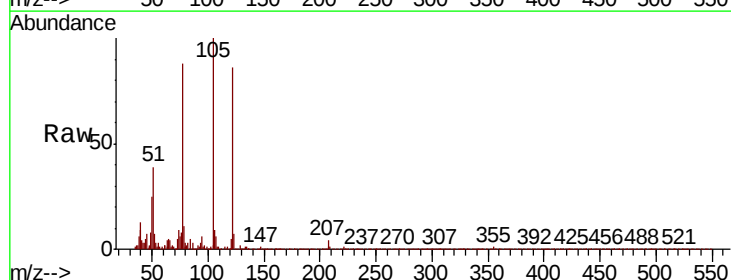
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

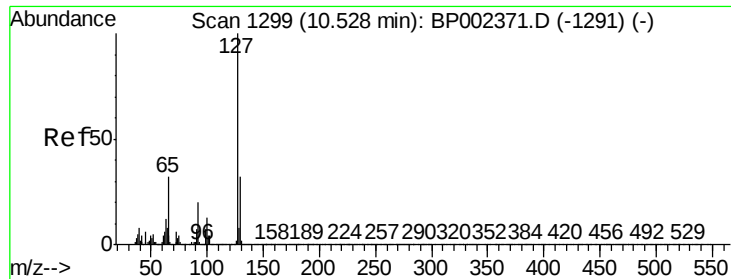
Tot Ion:128 Resp: 269700
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.5 10.3 15.5



#32
Benzoic acid
Concen: 1.537 ng
RT: 9.64 min Scan# 1148
Delta R.T. -0.08 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:122 Resp: 9805
Ion Ratio Lower Upper
122 100
105 115.7 106.3 146.3
77 101.7 77.5 117.5

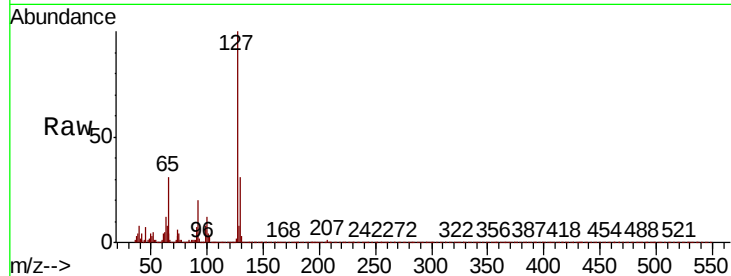




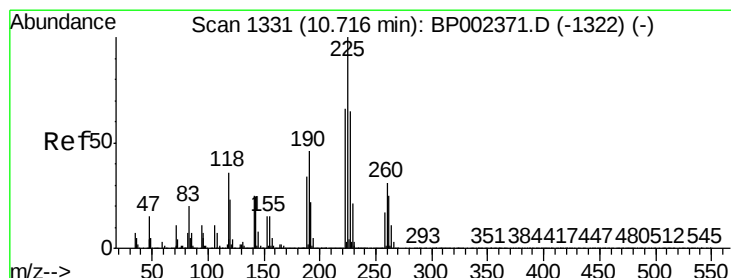
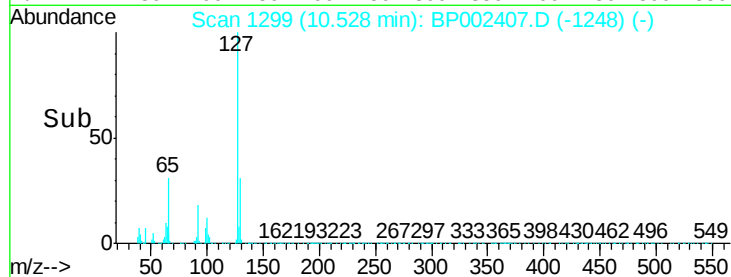
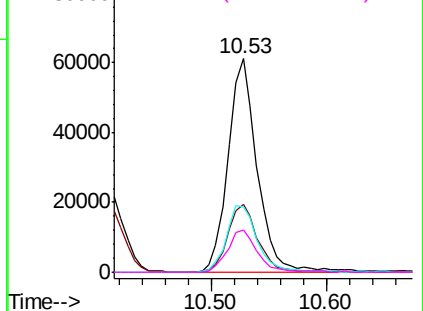
#33
4-Chloroaniline
Concen: 7.828 ng
RT: 10.53 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:	127	Resp:	105807
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.2
65	30.8	25.3	37.9
92	19.6	15.8	23.6

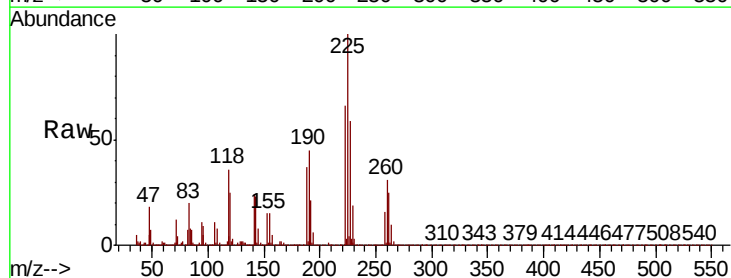


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BP0
Ion 92.00 (91.70 to 92.70): BP0

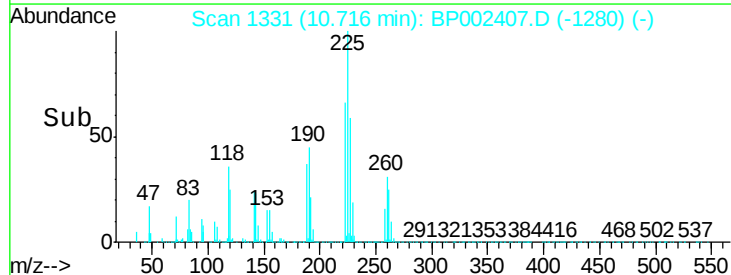
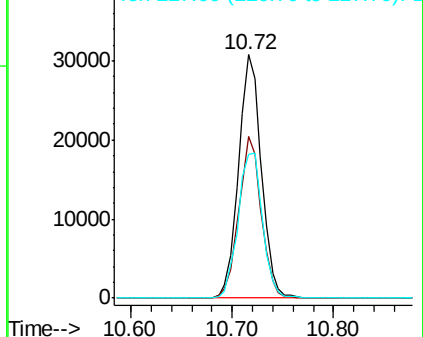


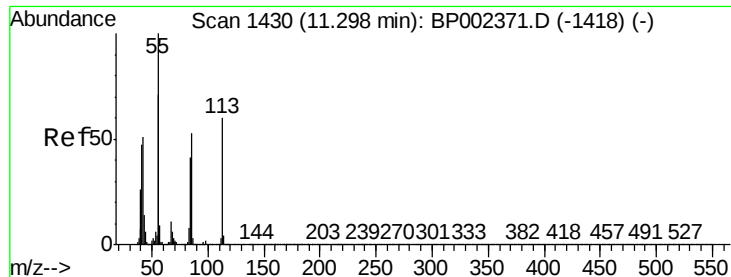
#34
Hexachlorobutadiene
Concen: 7.819 ng
RT: 10.72 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:	225	Resp:	48011
Ion	Ratio	Lower	Upper
225	100		
223	66.5	52.6	78.8
227	58.8	52.2	78.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

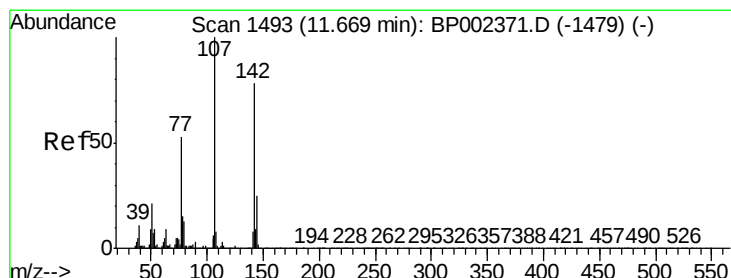
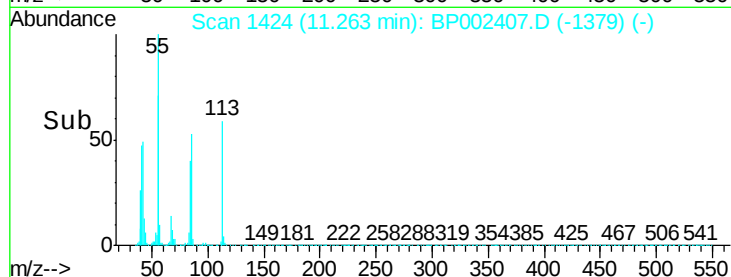
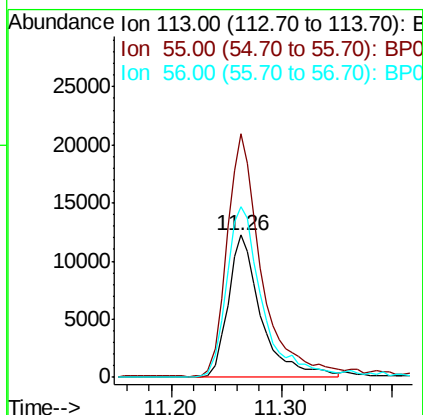
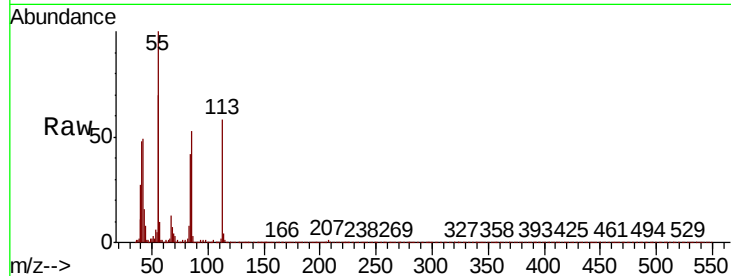




#35
Caprolactam
Concen: 7.698 ng
RT: 11.26 min Scan# 1424
Delta R.T. -0.04 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

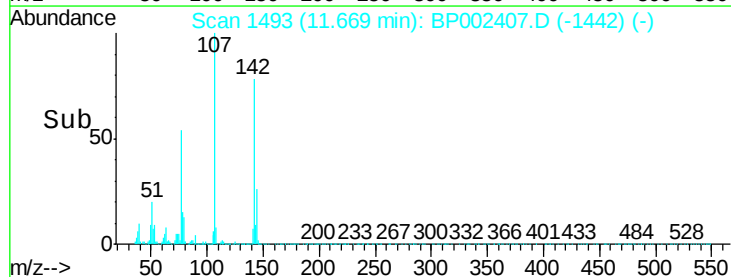
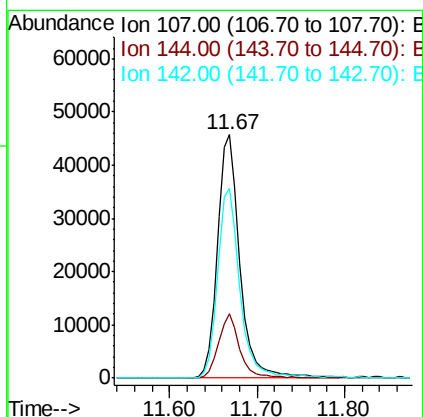
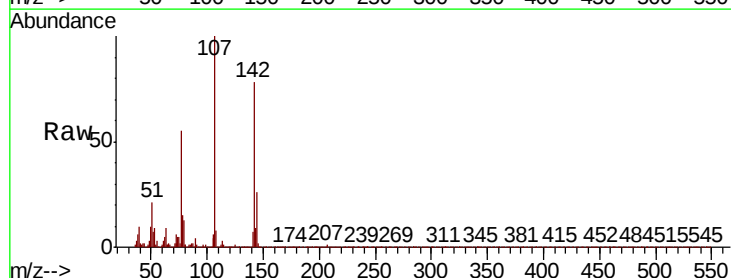
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

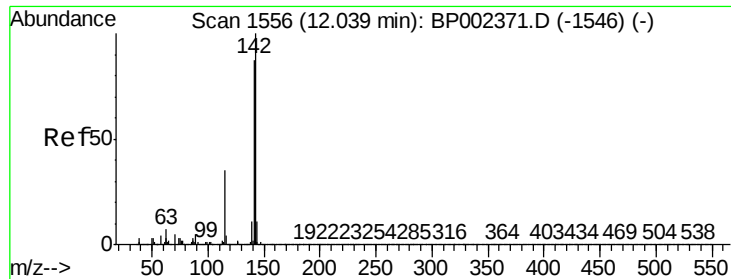
Tot Ion:113 Resp: 25630
Ion Ratio Lower Upper
113 100
55 171.4 147.9 187.9
56 120.4 99.9 139.9



#36
4-Chloro-3-methylphenol
Concen: 7.922 ng
RT: 11.67 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:107 Resp: 80913
Ion Ratio Lower Upper
107 100
144 26.5 20.4 30.6
142 78.0 62.2 93.4

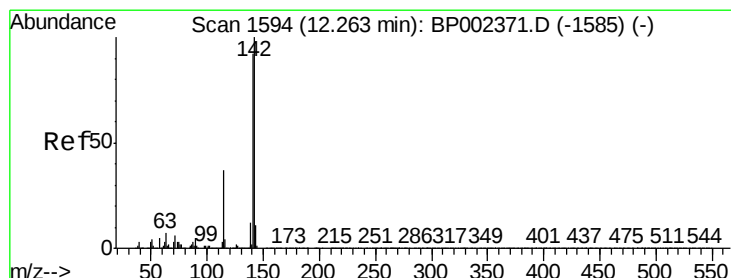
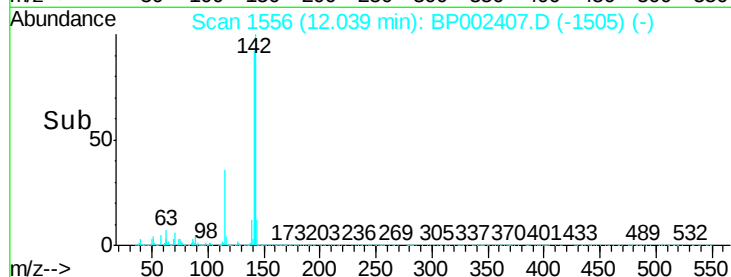
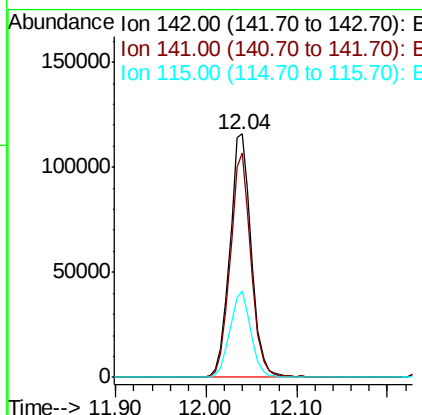
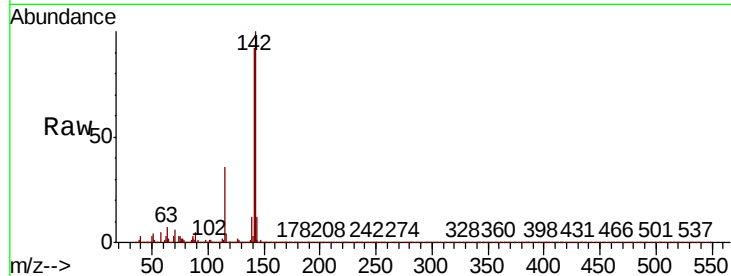




#37
2-Methylnaphthalene
Concen: 8.692 ng
RT: 12.04 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

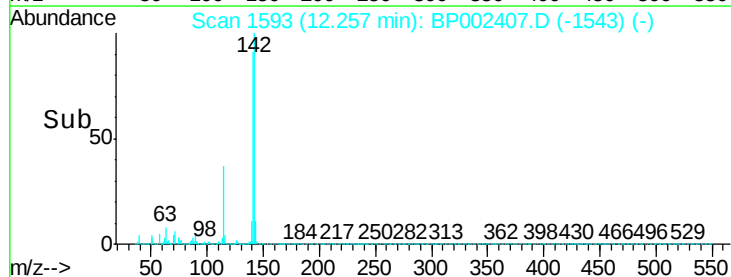
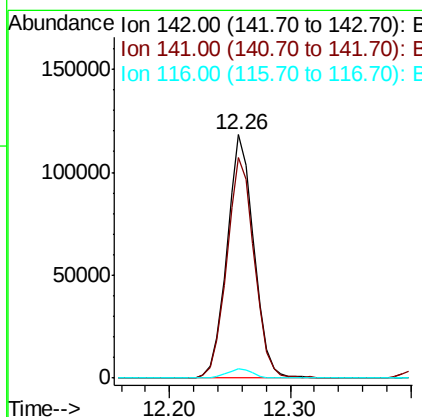
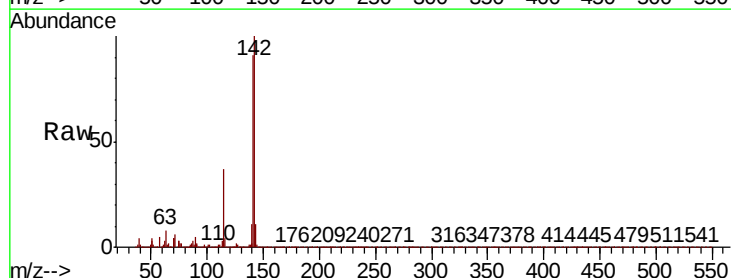
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

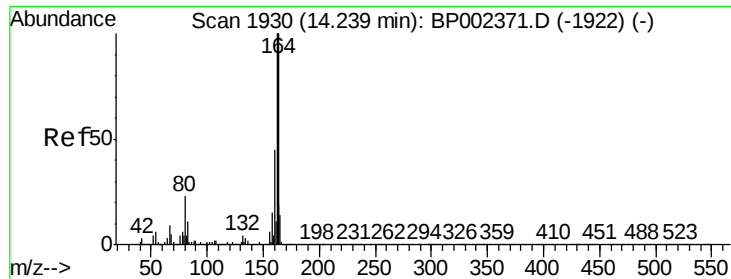
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	69.7	104.5
115	35.6	27.8	41.8



#38
1-Methylnaphthalene
Concen: 8.820 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	73.6	110.4
116	3.8	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

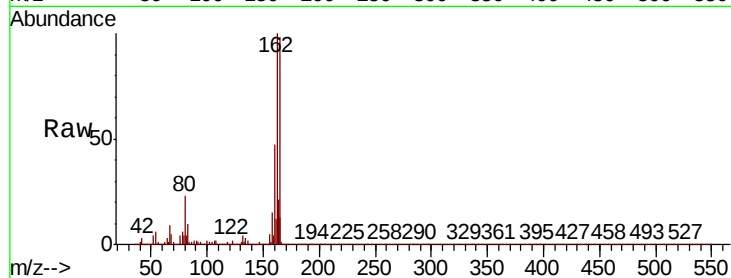
Tot Ion:164 Resp: 401343

Ion Ratio Lower Upper

164 100

162 101.9 79.8 119.8

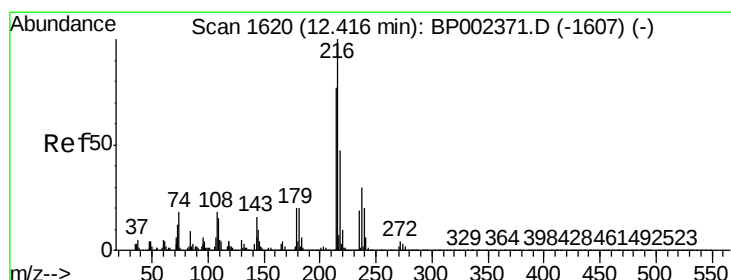
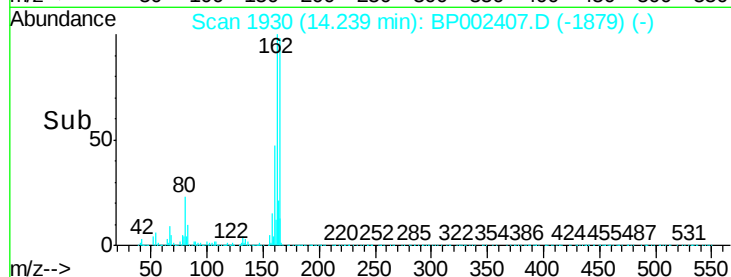
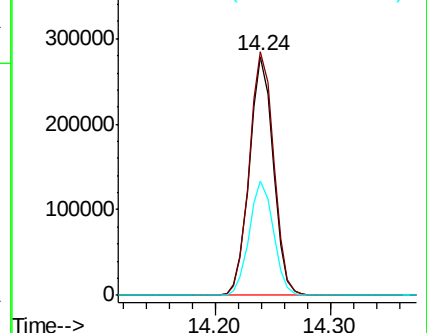
160 47.9 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.281 ng

RT: 12.42 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Tgt Ion:216 Resp: 98192

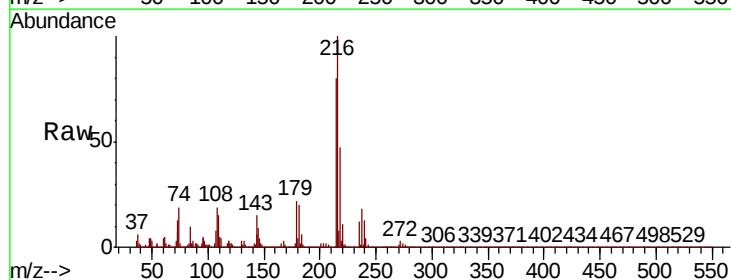
Ion Ratio Lower Upper

216 100

214 78.5 62.6 94.0

179 20.8 16.4 24.6

108 19.7 15.5 23.3

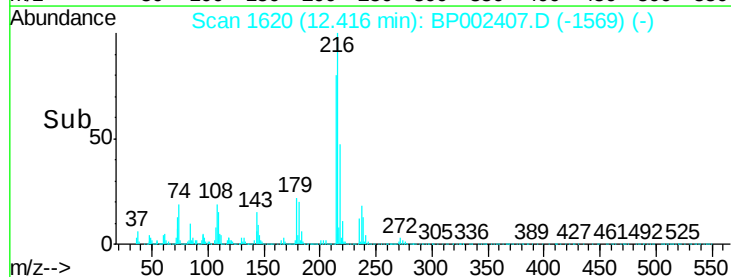
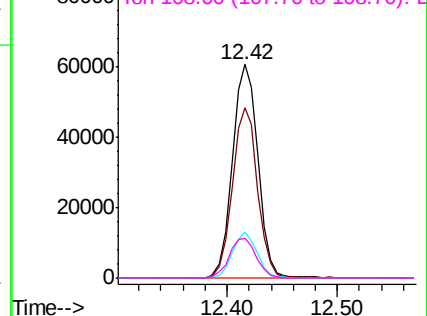


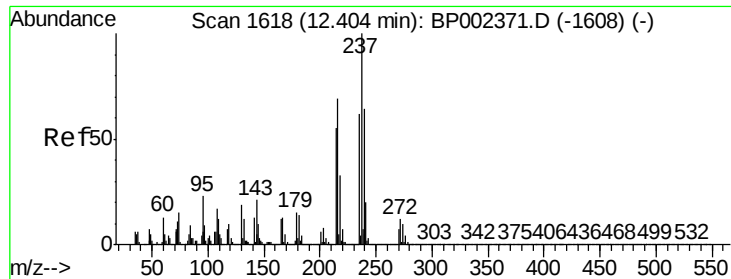
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

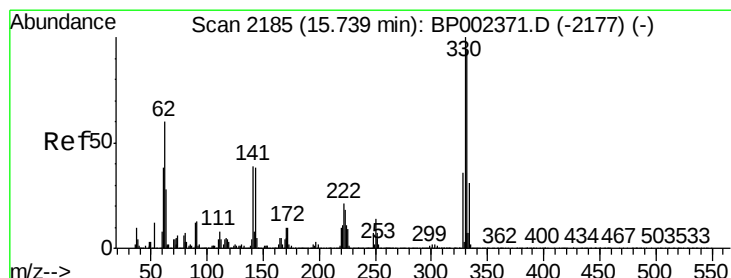
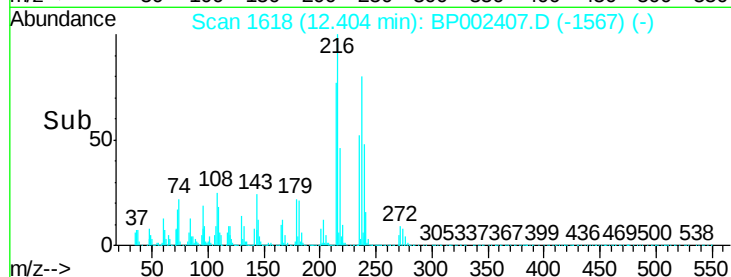
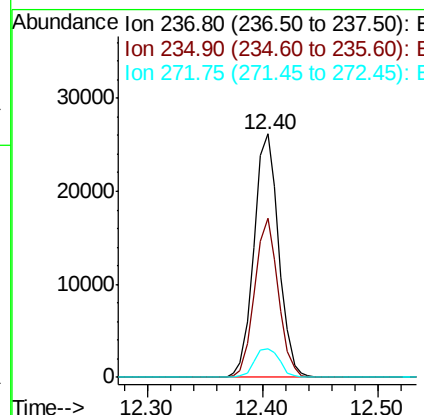
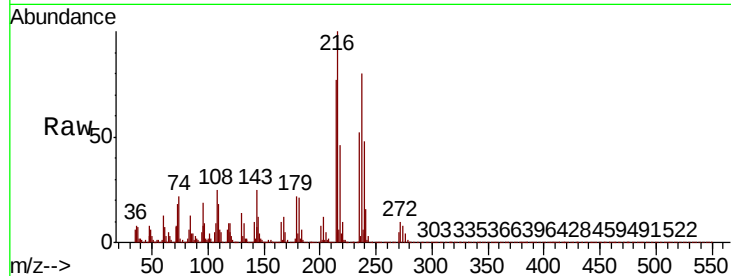




#41
Hexachlorocyclopentadiene
Concen: 6.952 ng
RT: 12.40 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

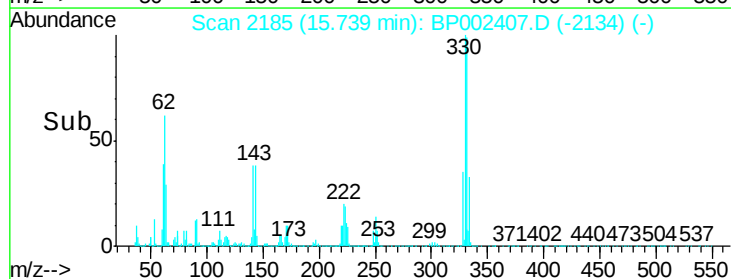
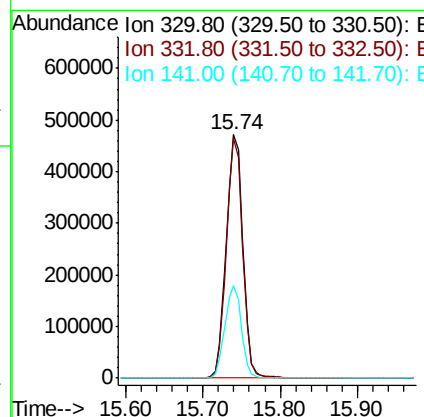
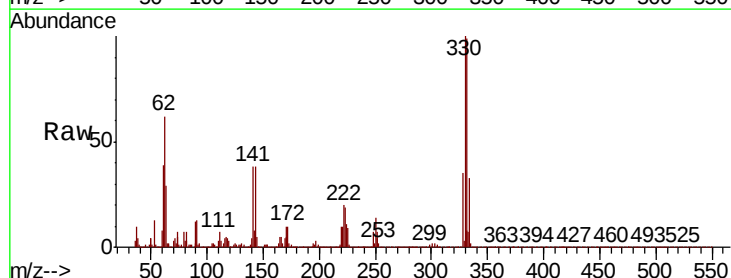
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

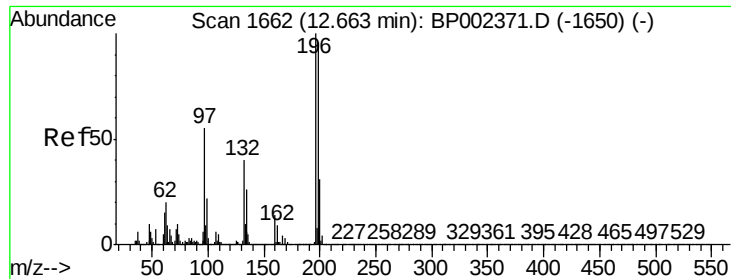
Tot Ion	Ratio	Lower	Upper
237	100		
235	65.3	42.0	82.0
272	12.0	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 184.806 ng
RT: 15.74 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	37.8	30.3	45.5

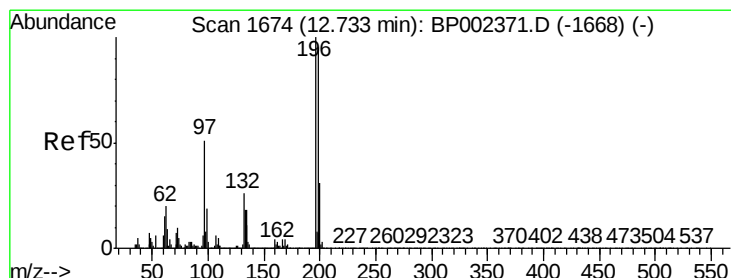
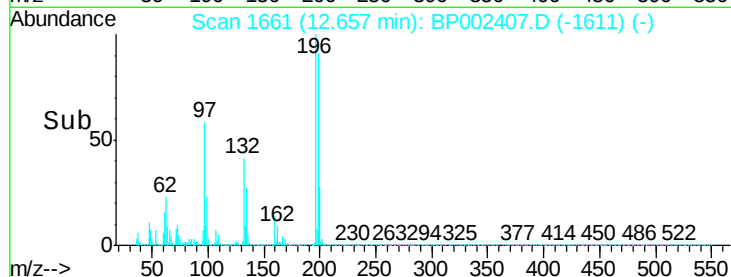
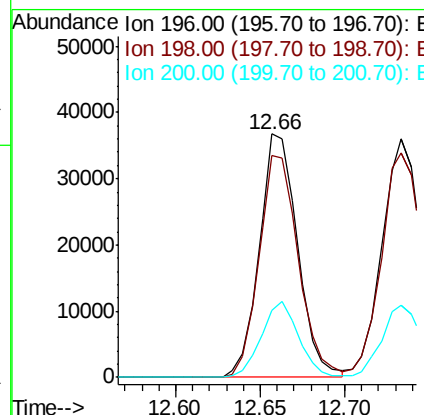
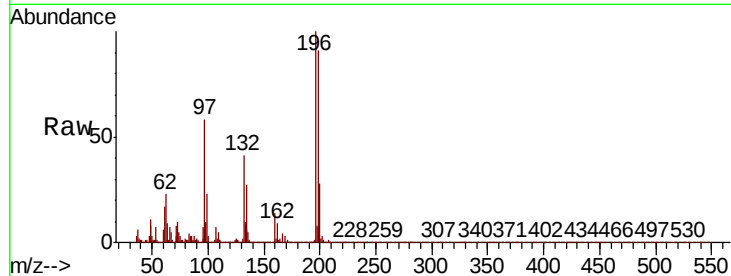




#43
 2,4,6-Trichlorophenol
 Concen: 7.686 ng
 RT: 12.66 min Scan# 1661
 Delta R.T. -0.01 min
 Lab File: BP002407.D
 Acq: 15 Jun 2020 13:28

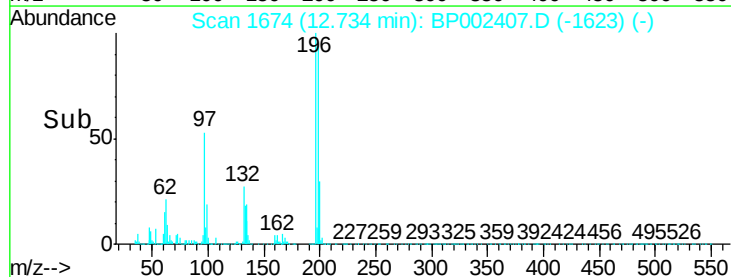
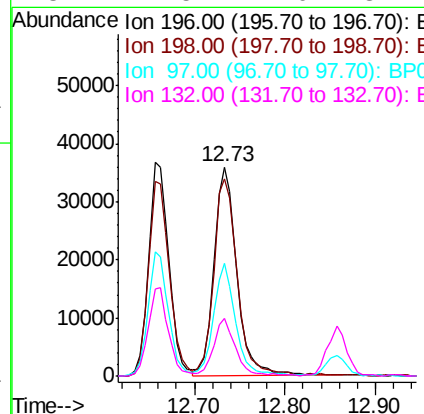
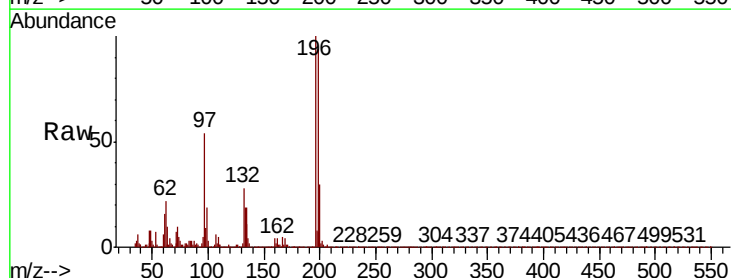
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

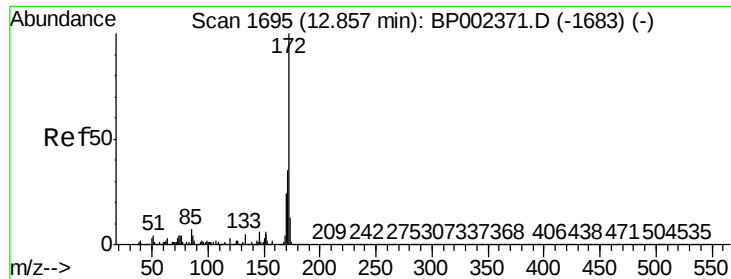
Tot Ion:196 Resp: 57551
 Ion Ratio Lower Upper
 196 100
 198 91.3 76.6 115.0
 200 27.6 24.7 37.1



#44
 2,4,5-Trichlorophenol
 Concen: 7.264 ng
 RT: 12.73 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: BP002407.D
 Acq: 15 Jun 2020 13:28

Tgt Ion:196 Resp: 62976
 Ion Ratio Lower Upper
 196 100
 198 94.1 76.2 114.2
 97 54.1 40.6 61.0
 132 27.5 21.0 31.4

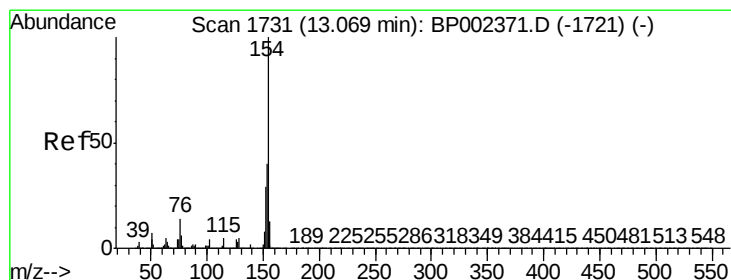
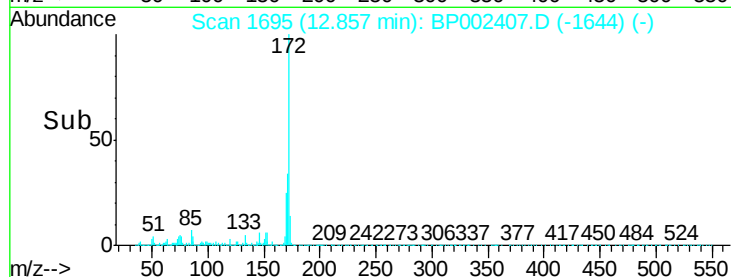
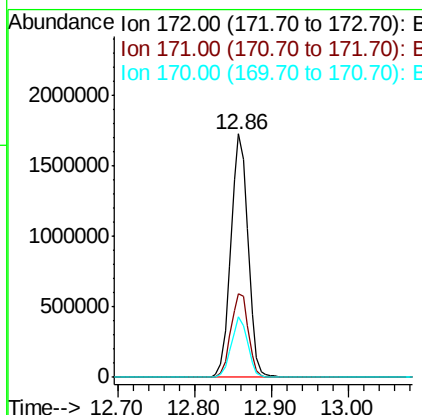
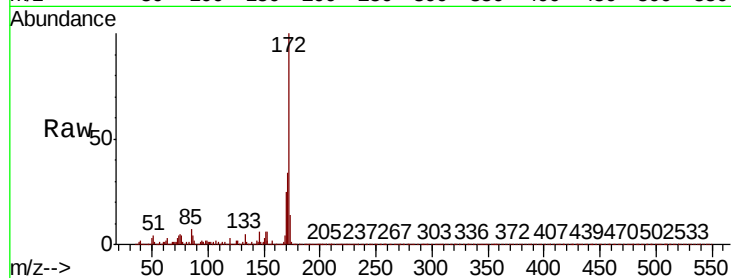




#45
2-Fluorobiphenyl
Concen: 112.819 ng
RT: 12.86 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

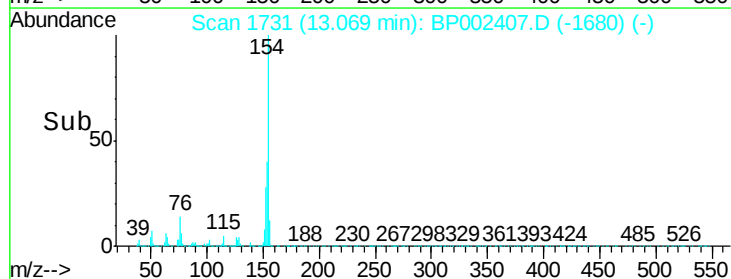
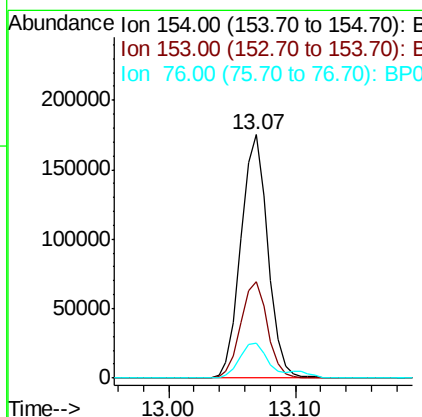
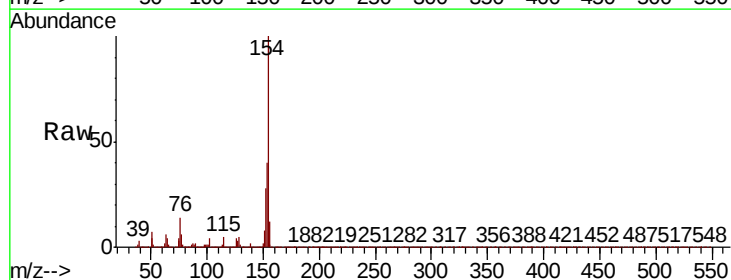
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

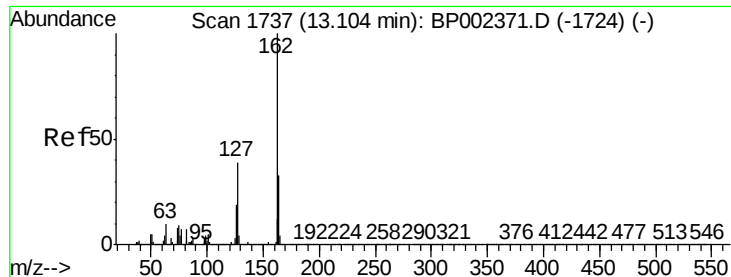
Tot Ion:172 Resp: 2692917
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.8
170 24.6 19.0 28.6



#46
1,1'-Biphenyl
Concen: 9.811 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:154 Resp: 258069
Ion Ratio Lower Upper
154 100
153 39.7 20.2 60.2
76 14.1 0.0 34.2

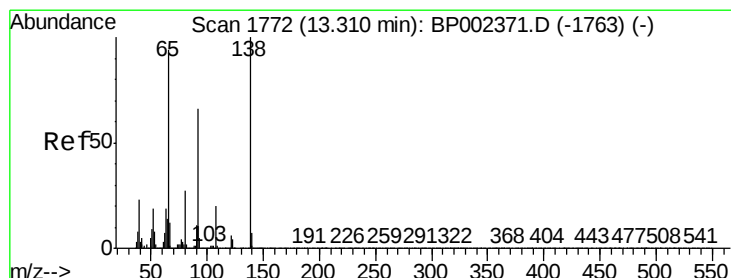
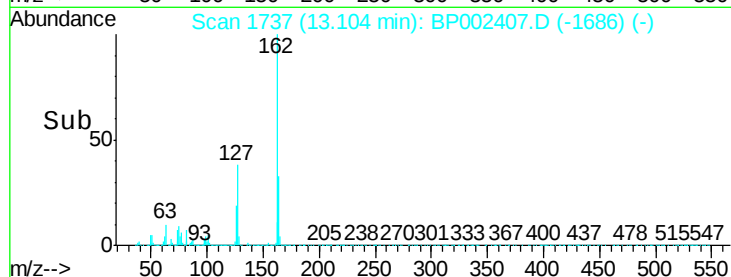
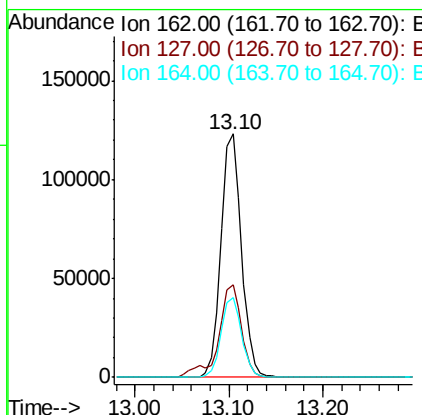
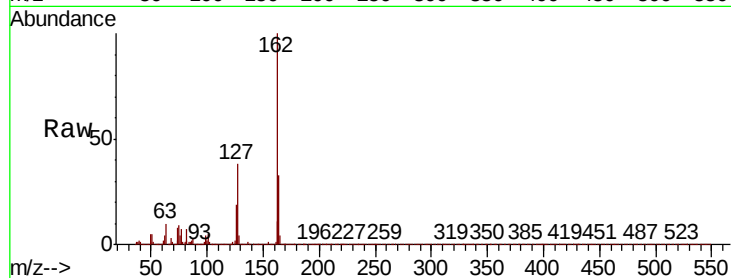




#47
2-Chloronaphthalene
Concen: 8.715 ng
RT: 13.10 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

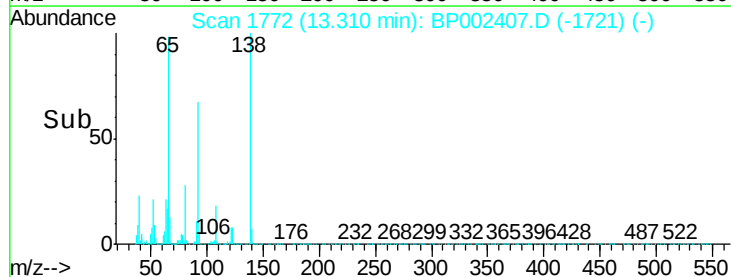
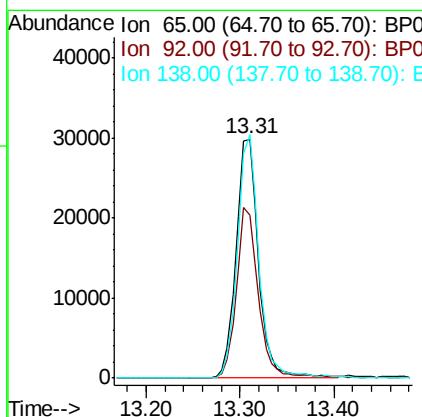
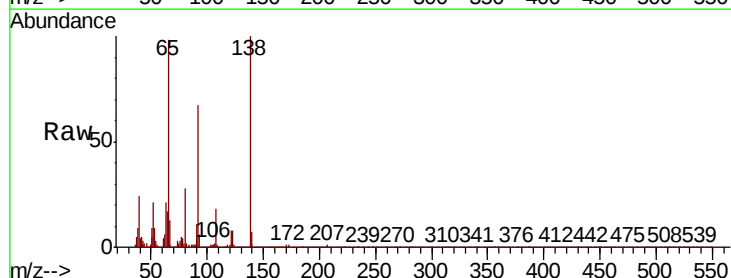
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

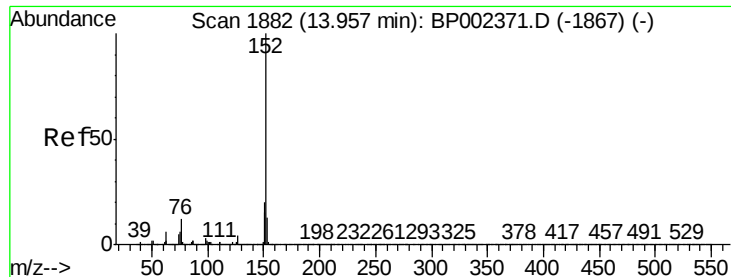
Tot Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.0	46.4
164	32.8	26.6	40.0



#48
2-Nitroaniline
Concen: 7.257 ng
RT: 13.31 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.4	56.3	84.5
138	101.8	85.0	127.6





#49

Acenaphthylene

Concen: 8.749 ng

RT: 13.96 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

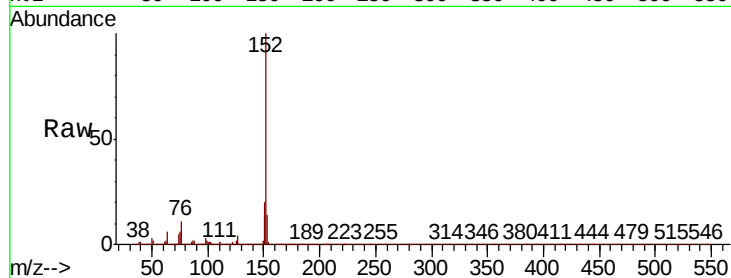
Tot Ion:152 Resp: 300453

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

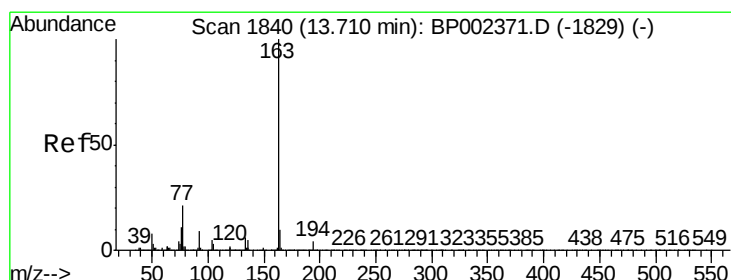
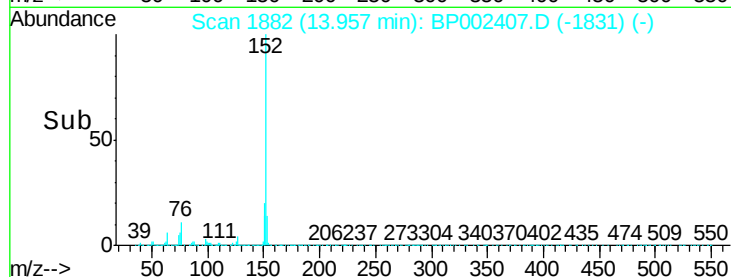
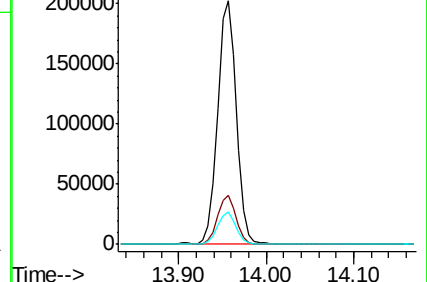
153 13.5 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.609 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

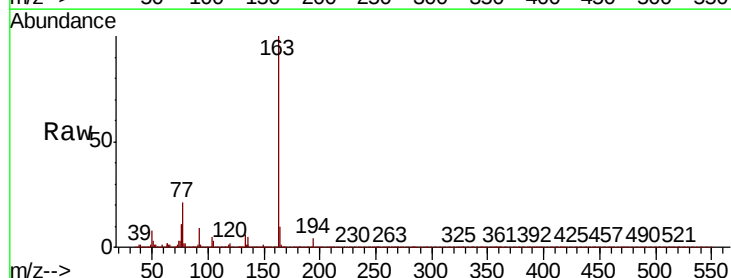
Tgt Ion:163 Resp: 236758

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

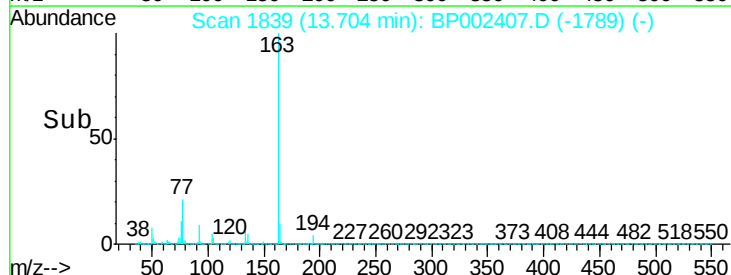
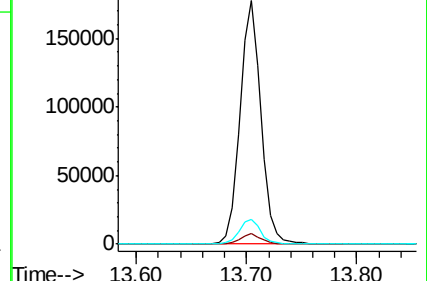
164 10.1 8.1 12.1

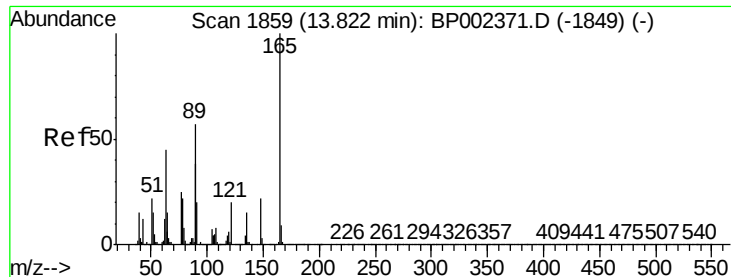


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

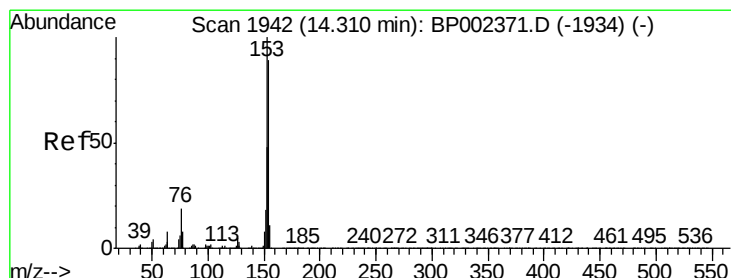
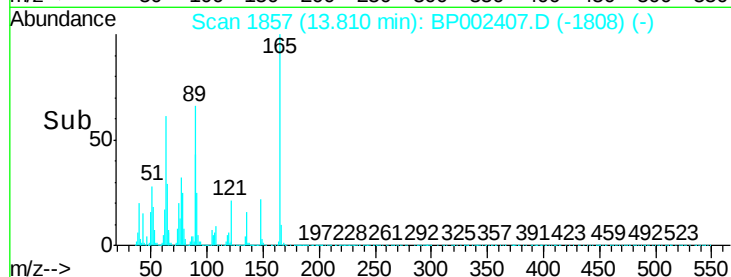
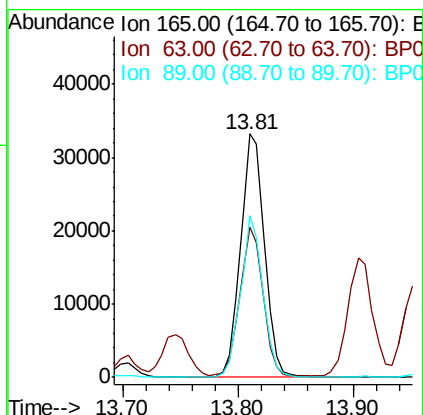
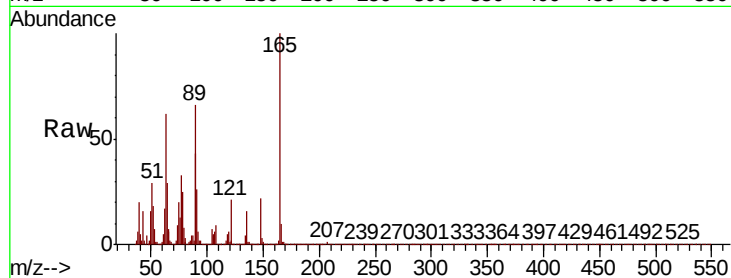




#51
2,6-Dinitrotoluene
Concen: 7.971 ng
RT: 13.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

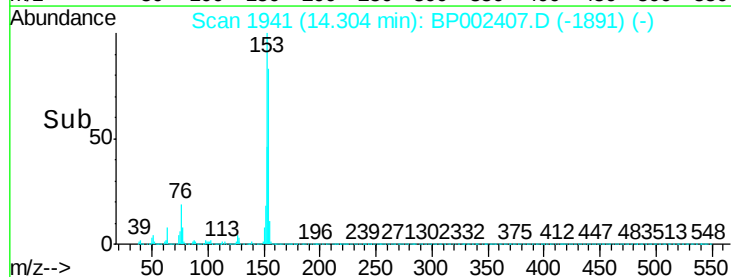
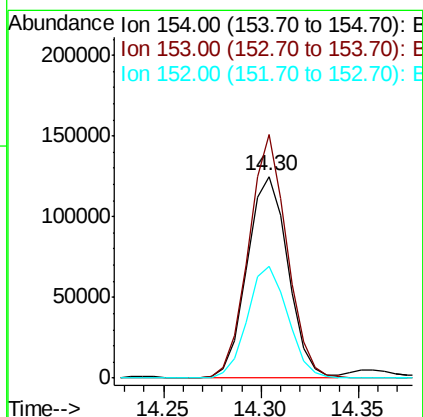
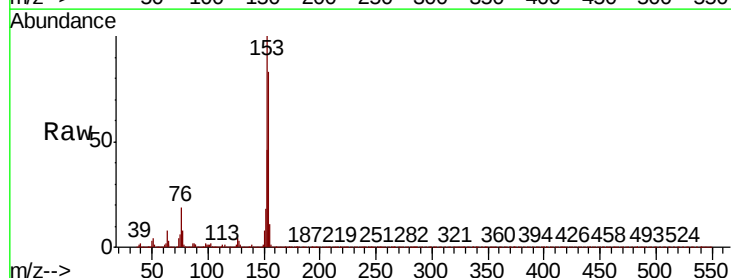
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

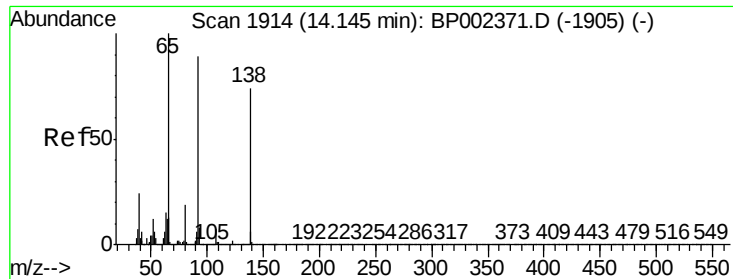
Tot Ion:165 Resp: 47602
Ion Ratio Lower Upper
165 100
63 61.9 43.1 64.7
89 66.2 45.3 67.9



#52
Acenaphthene
Concen: 9.035 ng
RT: 14.30 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:154 Resp: 181762
Ion Ratio Lower Upper
154 100
153 120.6 89.5 134.3
152 55.7 43.3 64.9

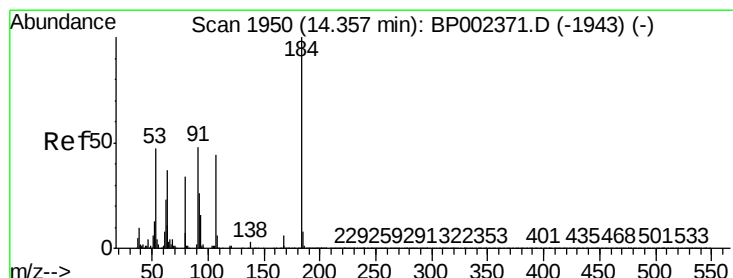
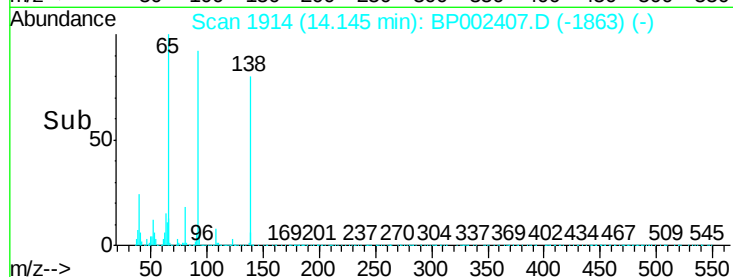
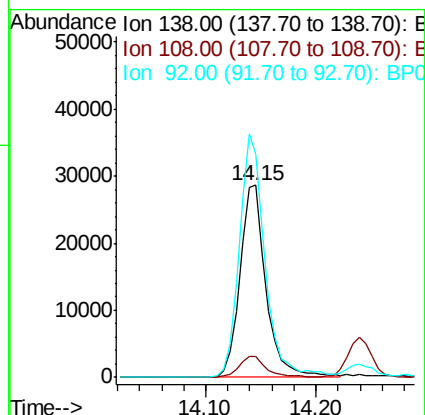
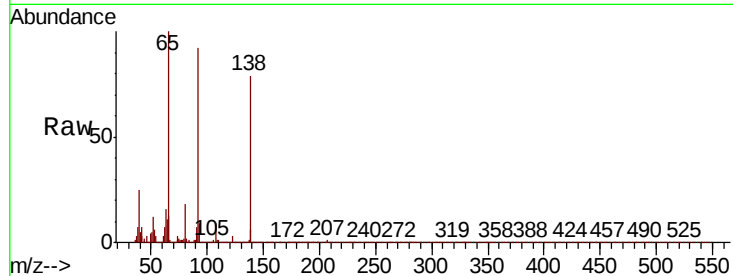




#53
3-Nitroaniline
Concen: 6.986 ng
RT: 14.15 min Scan# 1914
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

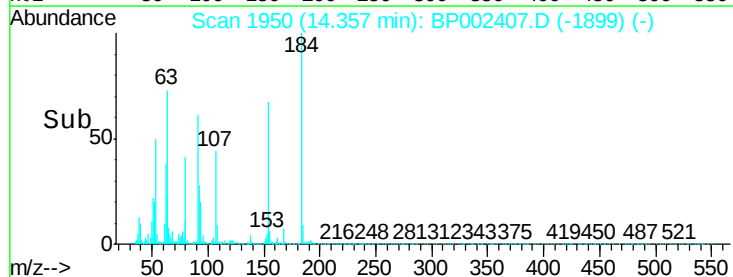
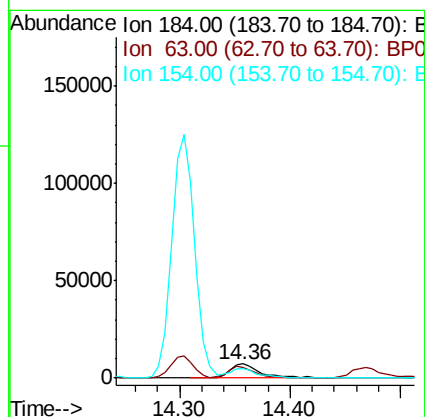
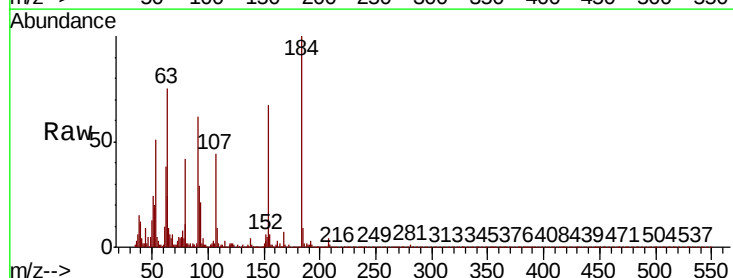
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

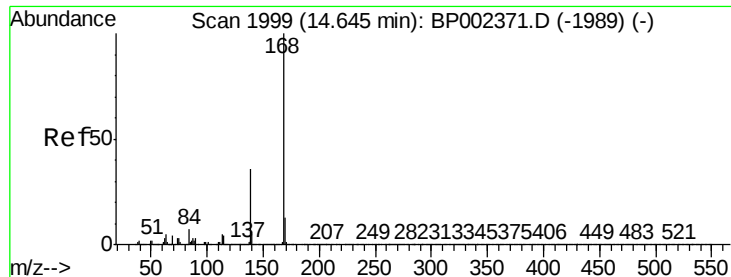
Tot Ion:138 Resp: 47643
Ion Ratio Lower Upper
138 100
108 10.9 8.0 12.0
92 115.9 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 4.345 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:184 Resp: 14234
Ion Ratio Lower Upper
184 100
63 74.7 52.3 78.5
154 66.9 48.6 72.8





#55

Dibenzenofuran

Concen: 9.229 ng

RT: 14.65 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

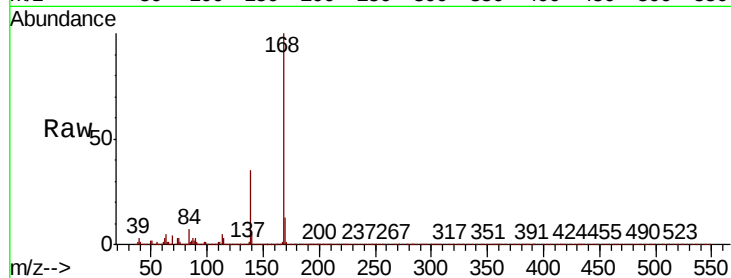
Tot Ion:168 Resp: 298914

Ion Ratio Lower Upper

168 100

139 34.9 28.9 43.3

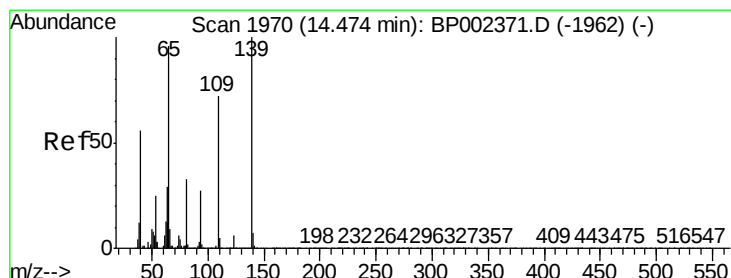
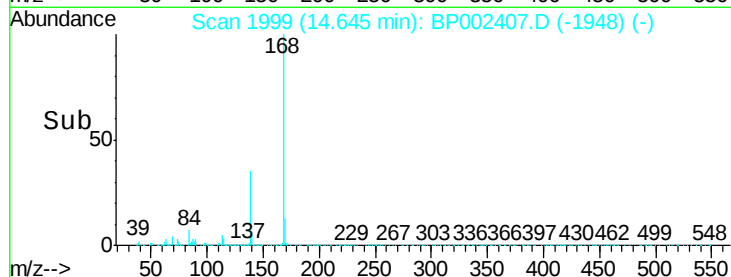
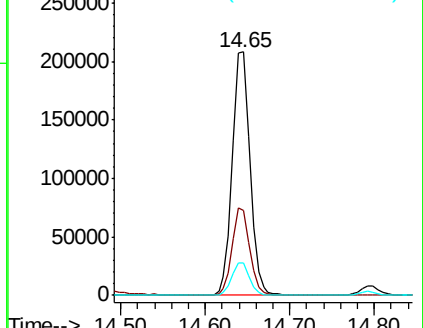
169 13.3 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 6.466 ng

RT: 14.47 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

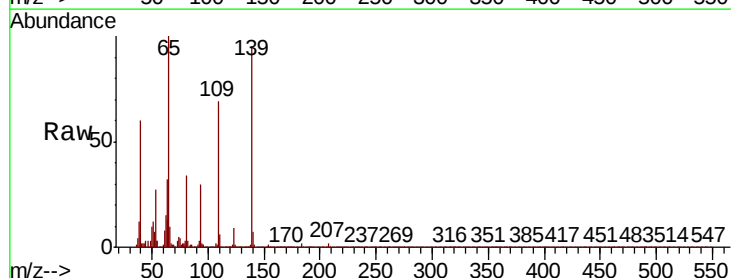
Tgt Ion:139 Resp: 35011

Ion Ratio Lower Upper

139 100

109 72.8 52.0 92.0

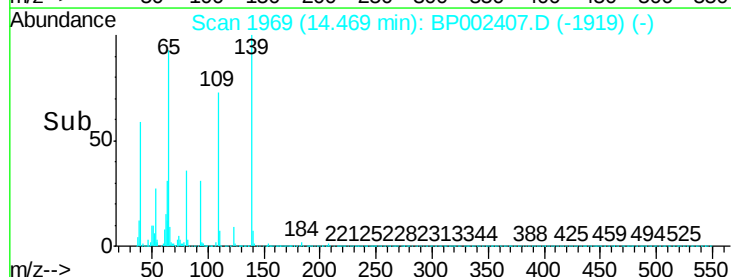
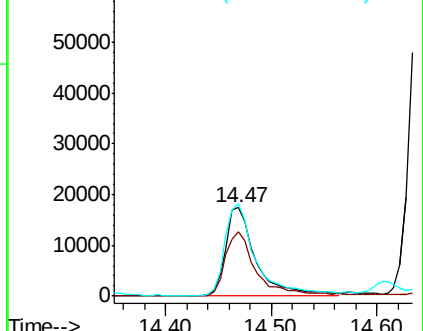
65 105.0 76.3 116.3

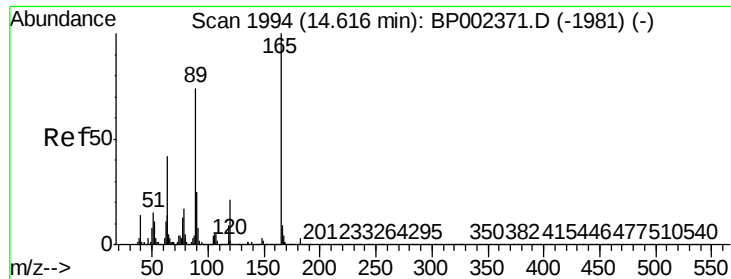


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO

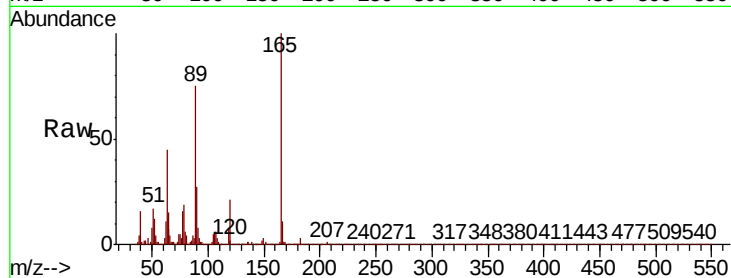




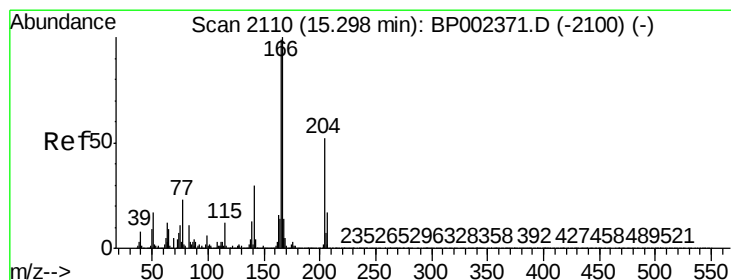
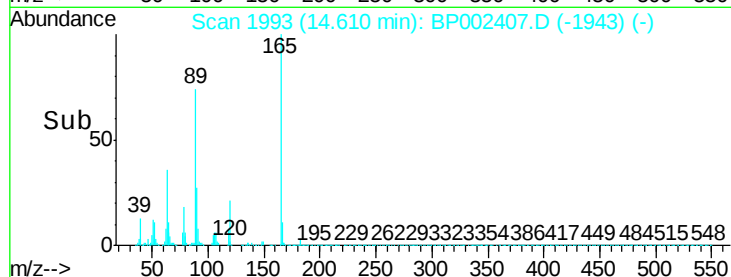
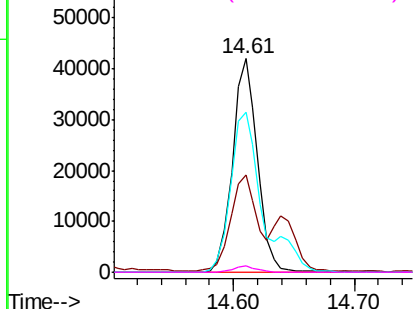
#57
2,4-Dinitrotoluene
Concen: 7.427 ng
RT: 14.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:165 Resp: 60377
Ion Ratio Lower Upper
165 100
63 45.5 34.2 51.2
89 75.1 59.3 88.9
182 3.1 2.3 3.5

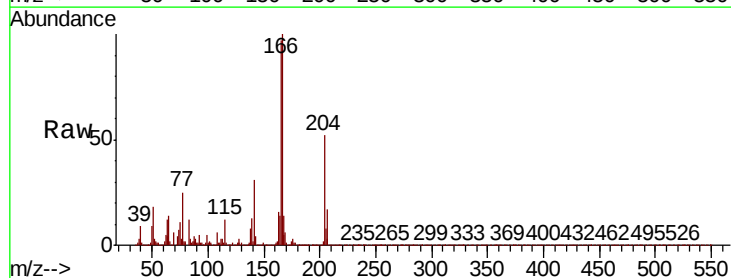


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BP
Ion 89.00 (88.70 to 89.70): BP
Ion 182.00 (181.70 to 182.70): E

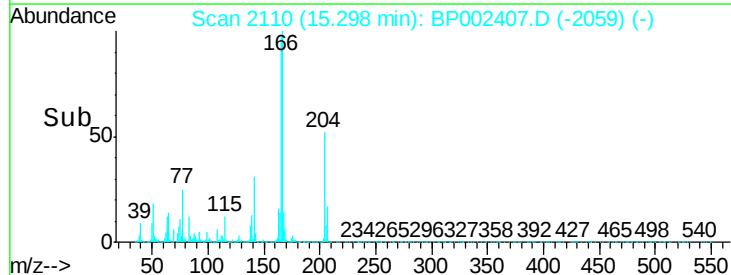
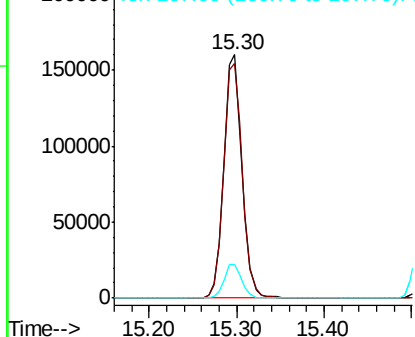


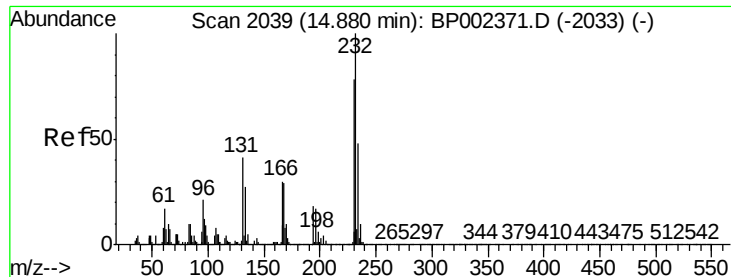
#58
Fluorene
Concen: 9.015 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:166 Resp: 229658
Ion Ratio Lower Upper
166 100
165 96.5 79.1 118.7
167 13.7 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.572 ng

RT: 14.79 min Scan# 2024

Delta R.T. -0.09 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

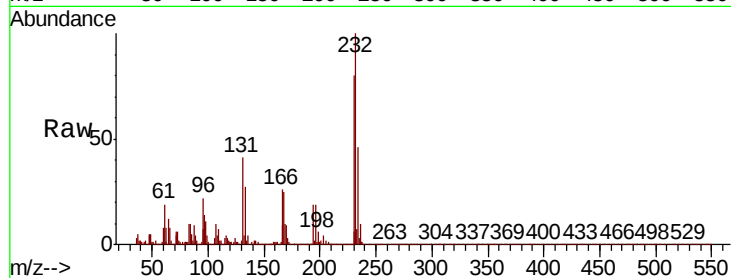
Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:	232	Resp:	52112
Ion	Ratio	Lower	Upper
232	100		
131	39.7	35.1	52.7
130	2.2	1.8	2.8
166	25.2	24.4	36.6

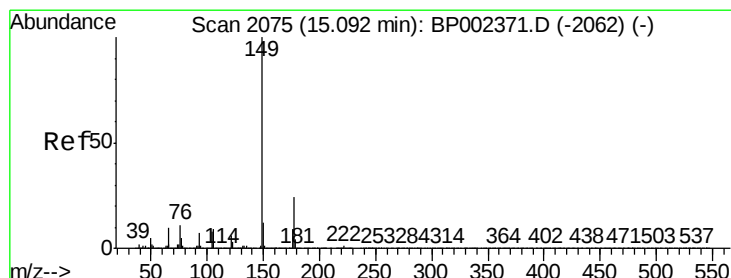
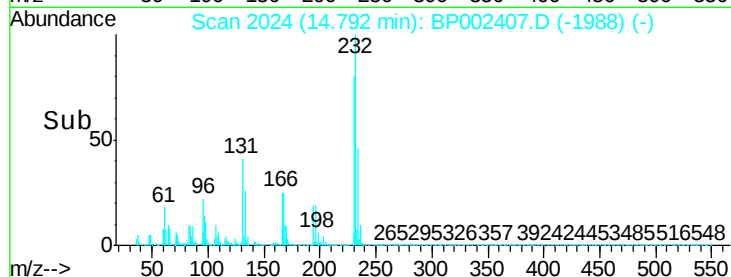
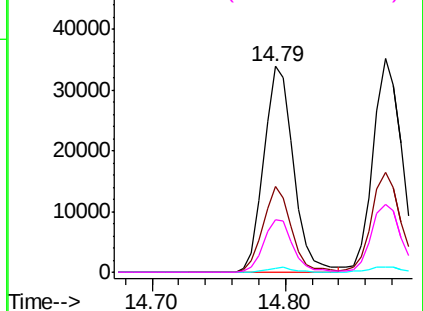


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 8.588 ng

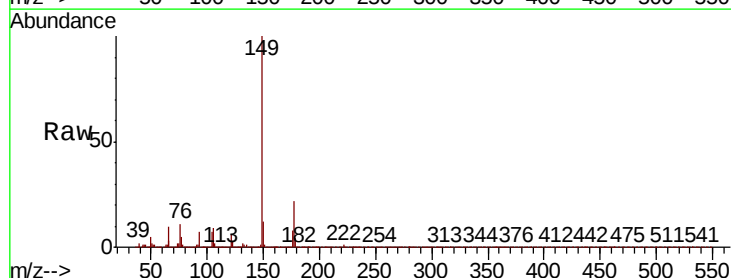
RT: 15.09 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

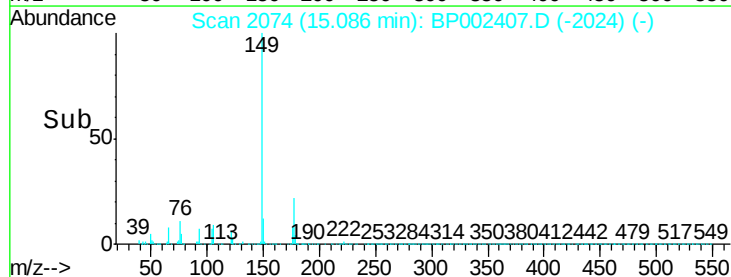
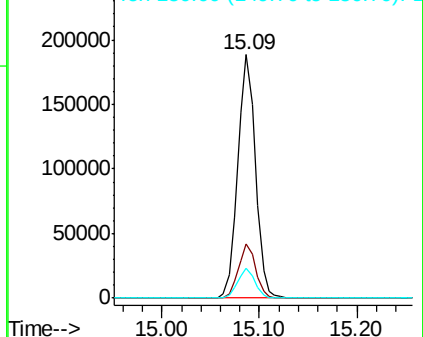
Tgt Ion:	149	Resp:	236648
Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.9	28.3
150	12.2	9.9	14.9

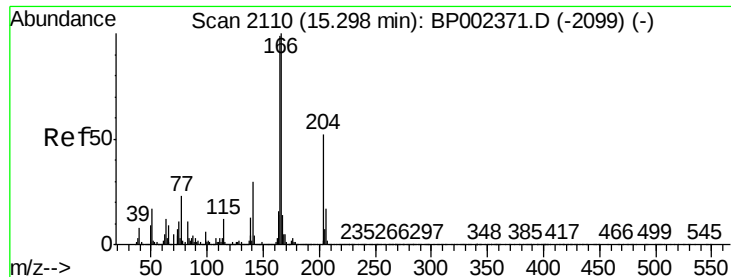


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

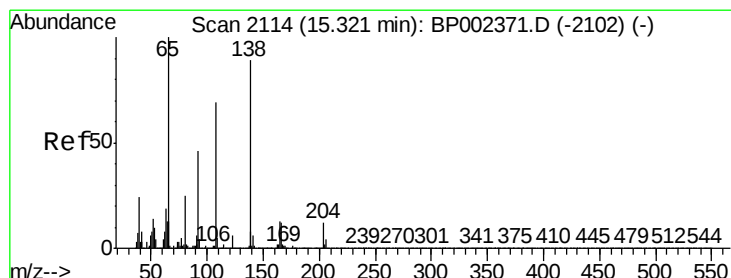
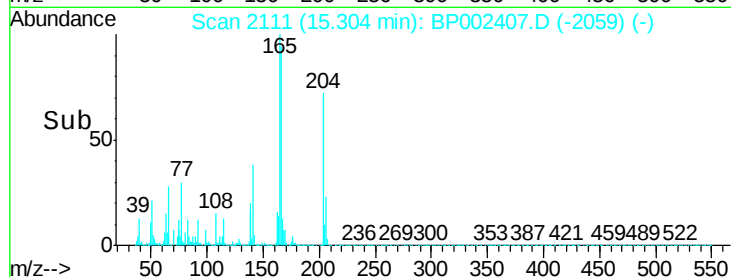
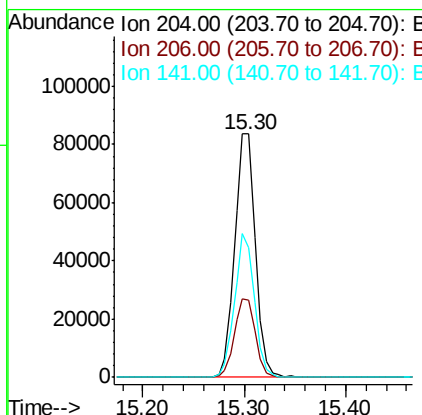
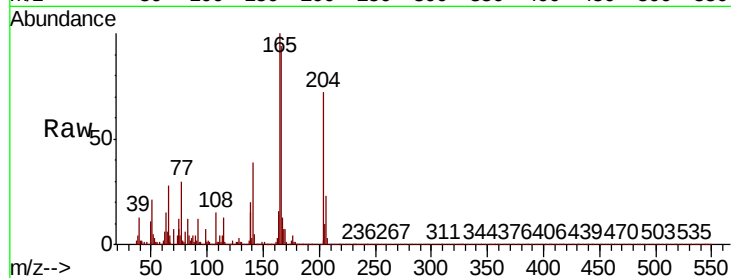




#61
4-Chlorophenyl-phenylether
Concen: 9.569 ng
RT: 15.30 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

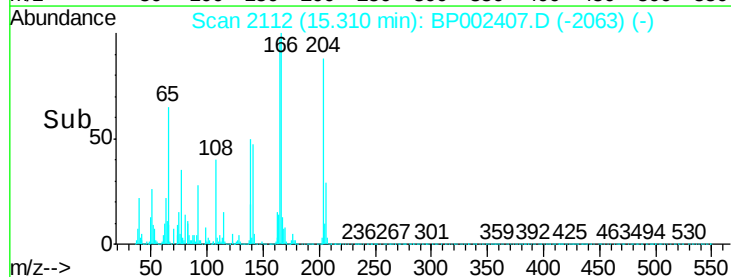
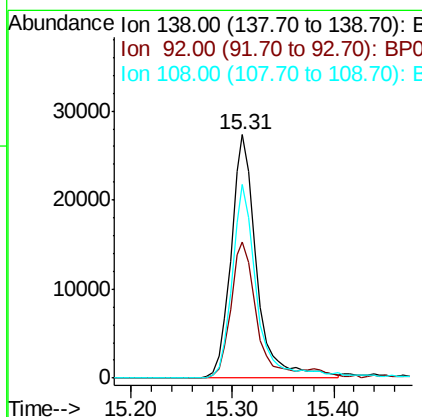
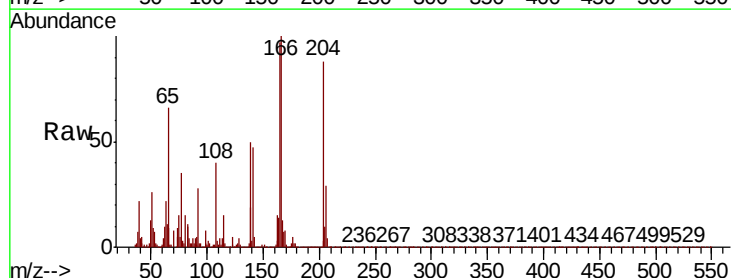
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

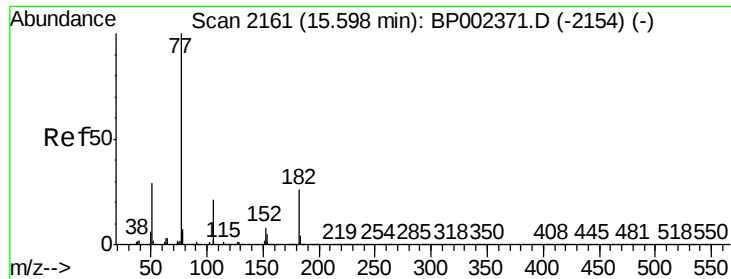
Tot Ion:204 Resp: 118174
Ion Ratio Lower Upper
204 100
206 31.7 26.8 40.2
141 53.4 46.6 69.8



#62
4-Nitroaniline
Concen: 7.305 ng
RT: 15.31 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:138 Resp: 47867
Ion Ratio Lower Upper
138 100
92 55.7 31.7 71.7
108 79.8 57.5 97.5

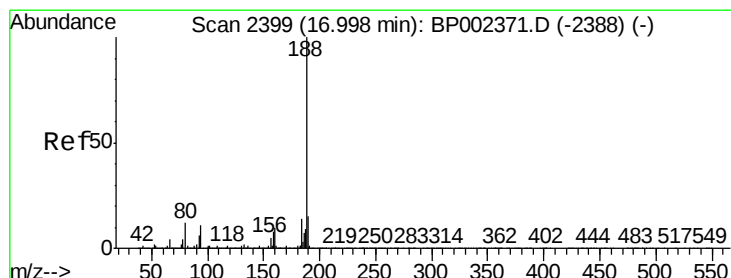
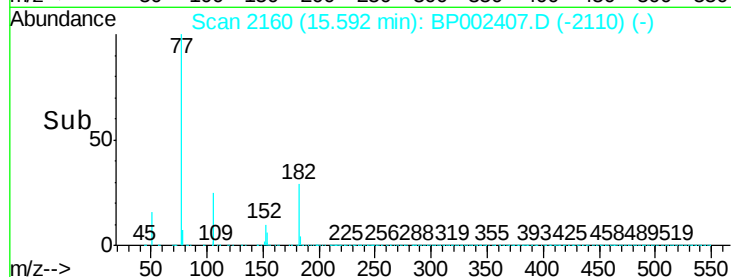
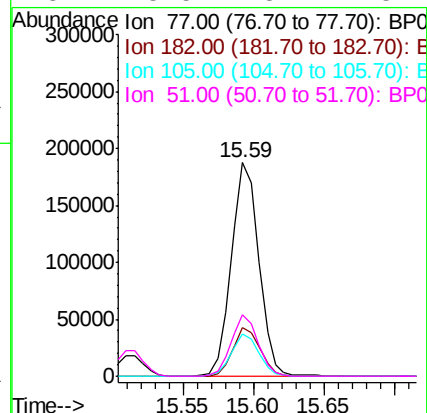
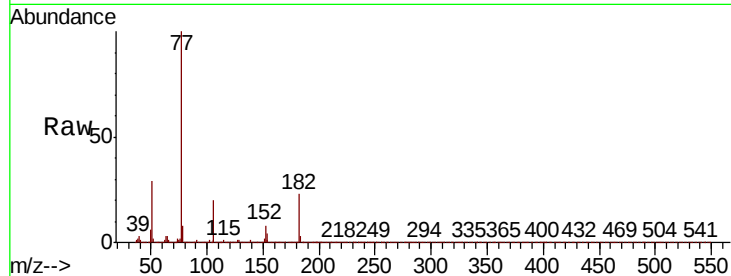




#63
Azobenzene
Concen: 9.261 ng
RT: 15.59 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

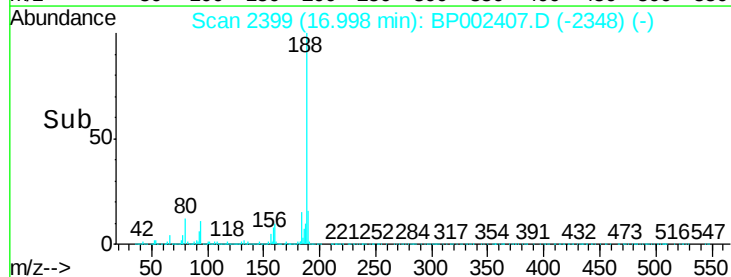
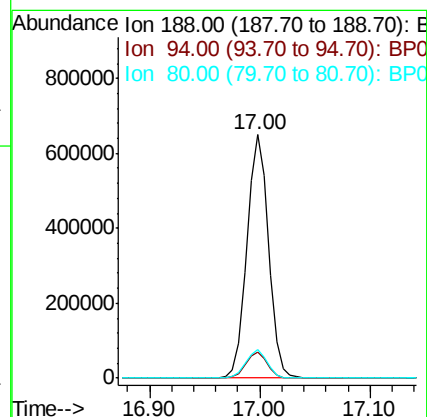
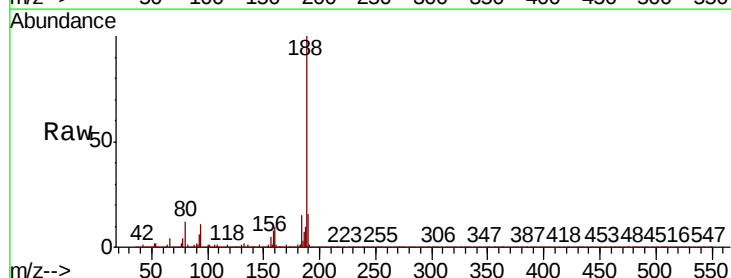
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

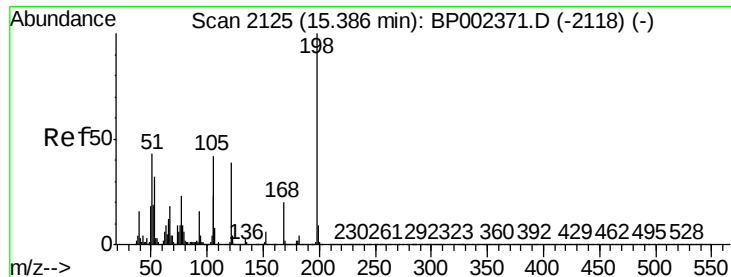
Tot Ion:	77	Resp:	254020
Ion	Ratio	Lower	Upper
77	100		
182	22.9	6.0	46.0
105	19.9	1.3	41.3
51	28.5	8.7	48.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:	188	Resp:	895196
Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.8	9.4	14.0





#65

4,6-Dinitro-2-methylphenol

Concen: 5.986 ng

RT: 15.38 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

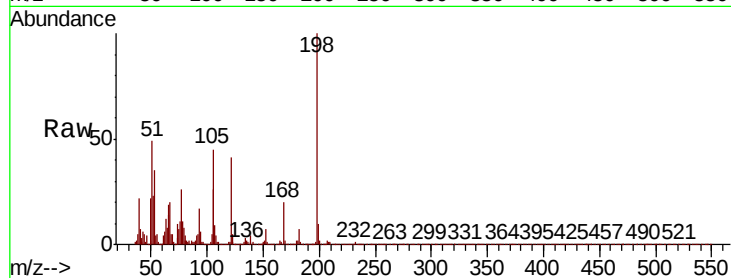
Tot Ion:198 Resp: 28276

Ion Ratio Lower Upper

198 100

51 49.2 23.4 63.4

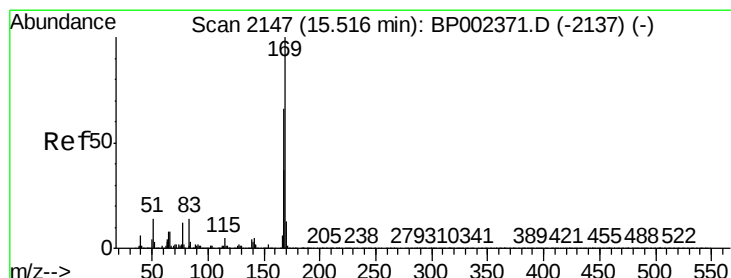
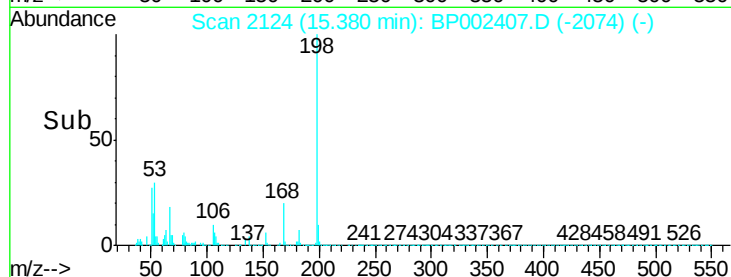
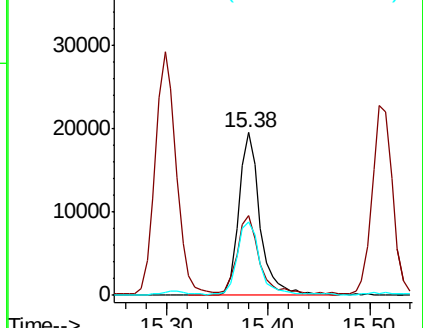
105 45.2 22.5 62.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BPO

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 9.003 ng

RT: 15.52 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

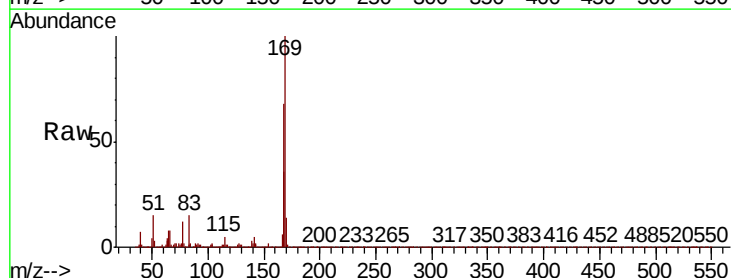
Tgt Ion:169 Resp: 205875

Ion Ratio Lower Upper

169 100

168 67.7 52.8 79.2

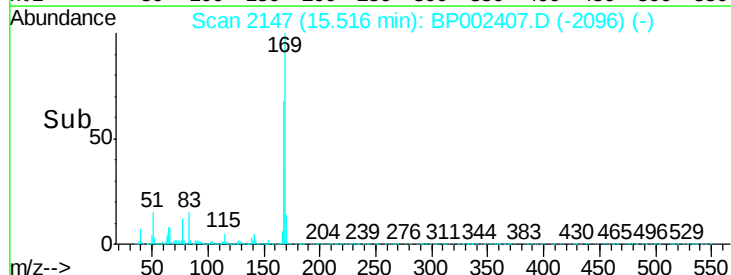
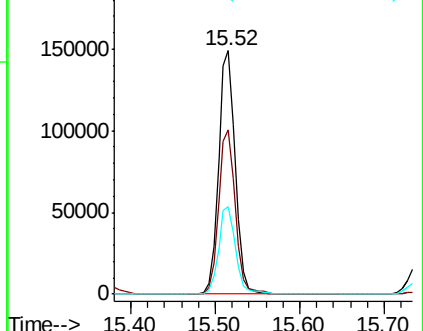
167 35.9 29.4 44.0

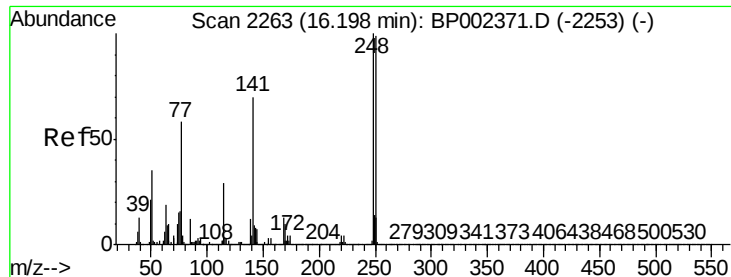


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

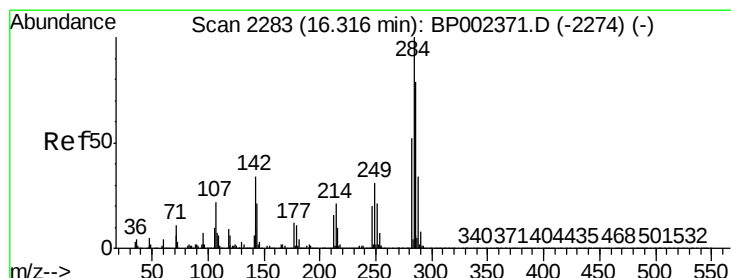
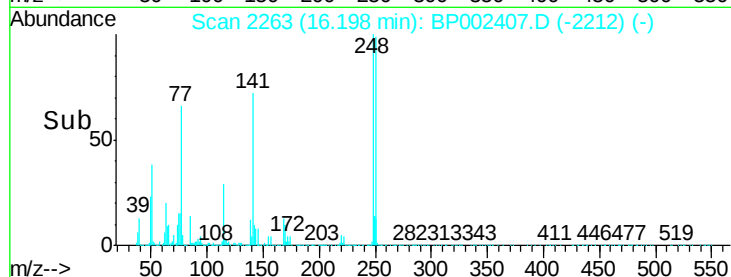
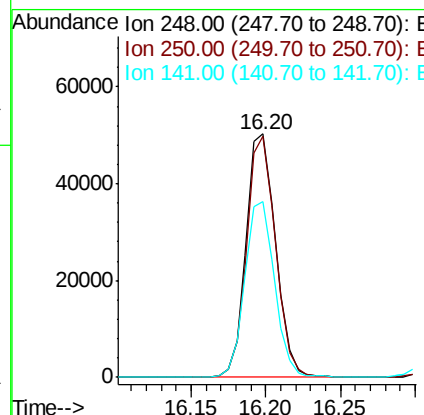
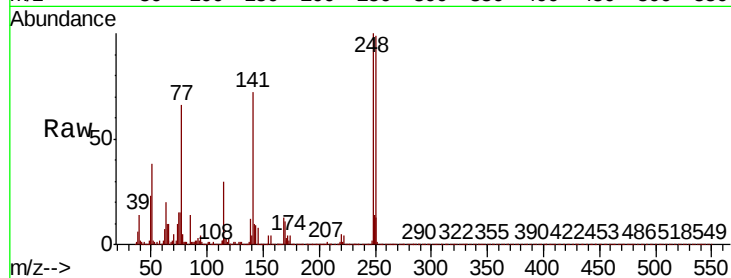




#67
4-Bromophenyl-phenylether
Concen: 8.112 ng
RT: 16.20 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

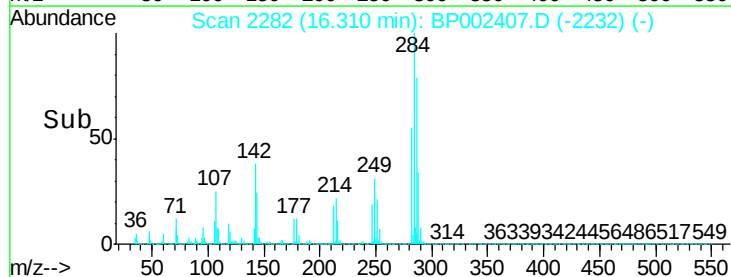
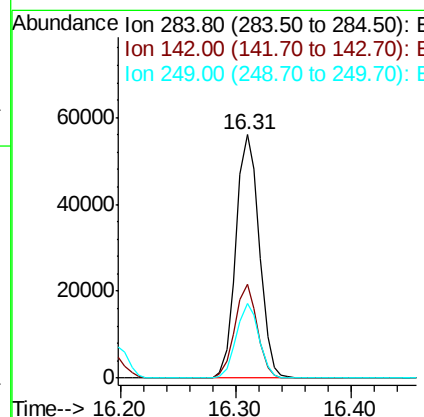
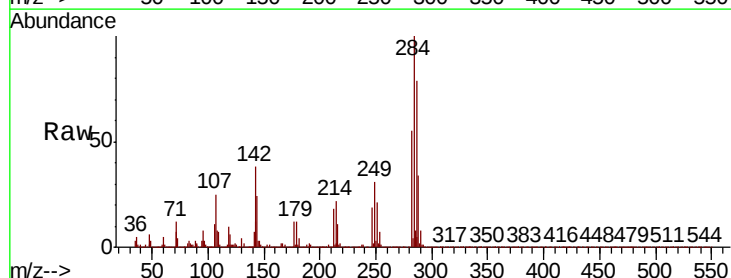
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

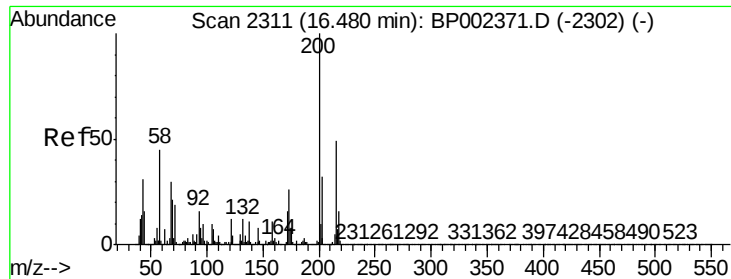
Tot Ion:248 Resp: 68790
Ion Ratio Lower Upper
248 100
250 98.9 79.3 118.9
141 72.3 55.7 83.5



#68
Hexachlorobenzene
Concen: 8.703 ng
RT: 16.31 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:284 Resp: 78318
Ion Ratio Lower Upper
284 100
142 38.3 27.4 41.0
249 30.9 24.9 37.3

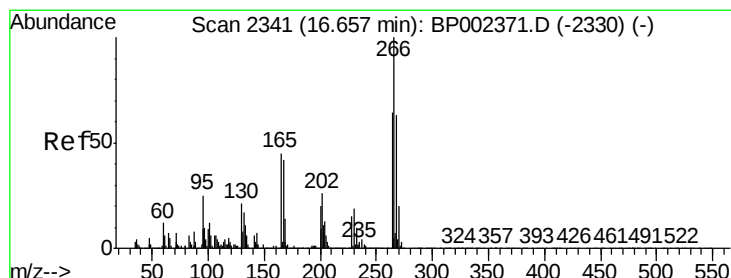
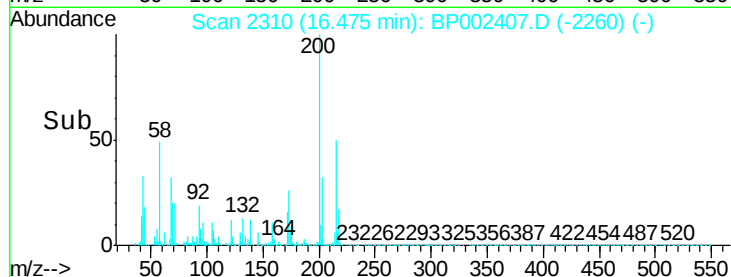
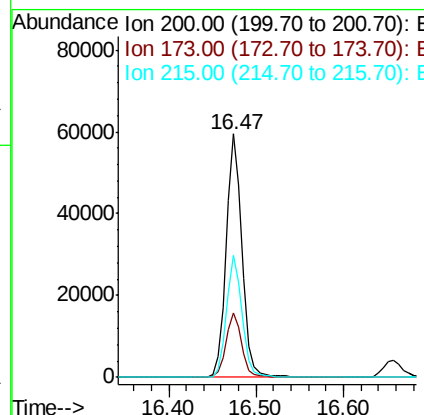
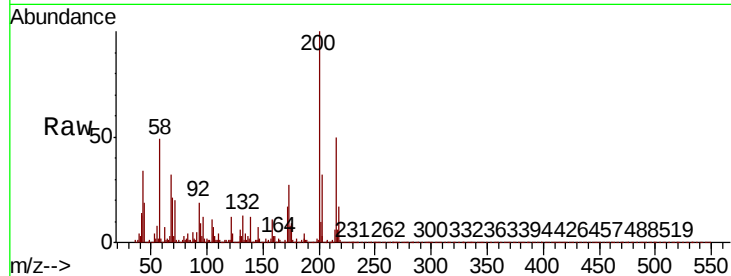




#69
Atrazine
Concen: 10.034 ng
RT: 16.47 min Scan# 2310
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

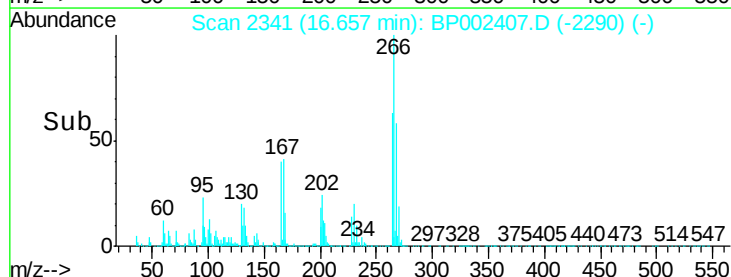
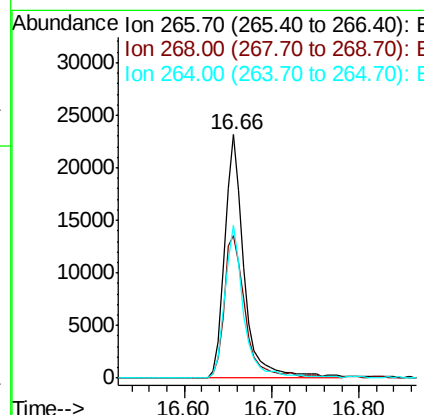
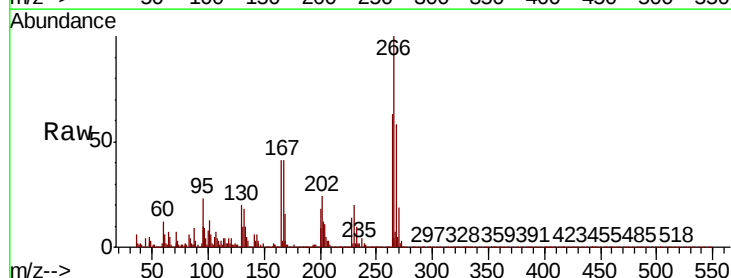
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

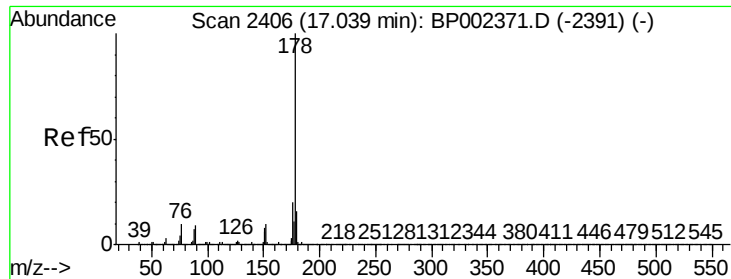
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.4	46.4
215	50.0	29.3	69.3



#70
Pentachlorophenol
Concen: 6.628 ng
RT: 16.66 min Scan# 2341
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.5	50.5	75.7
264	63.0	51.4	77.0

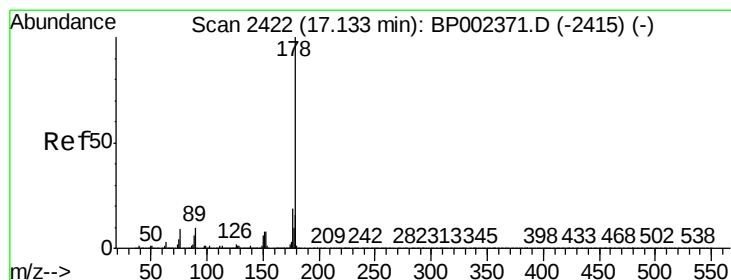
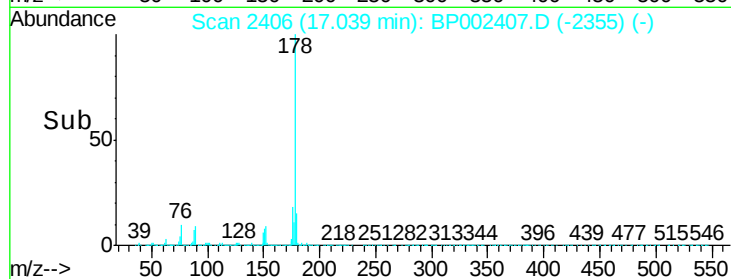
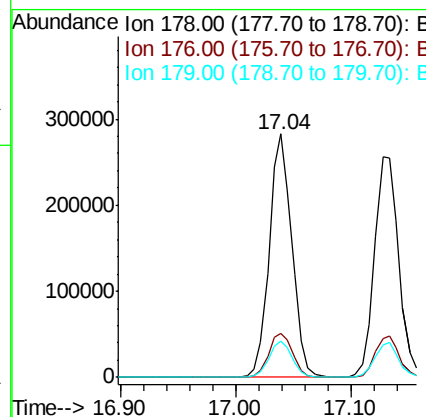
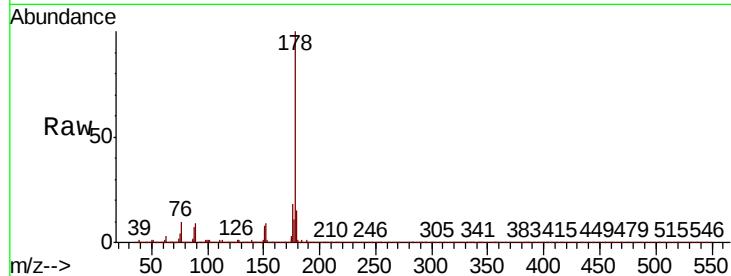




#71
Phenanthrene
Concen: 9.252 ng
RT: 17.04 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

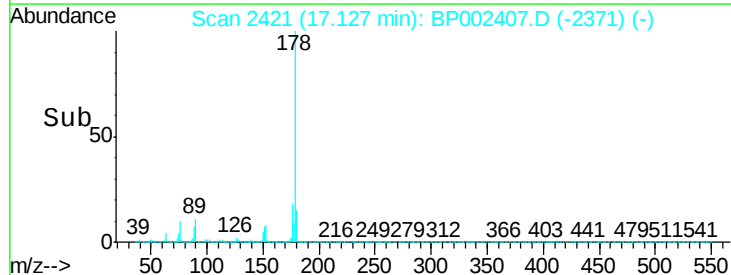
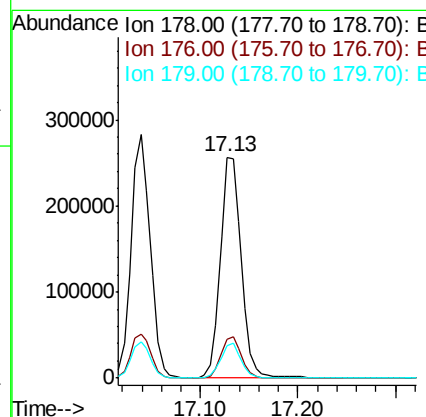
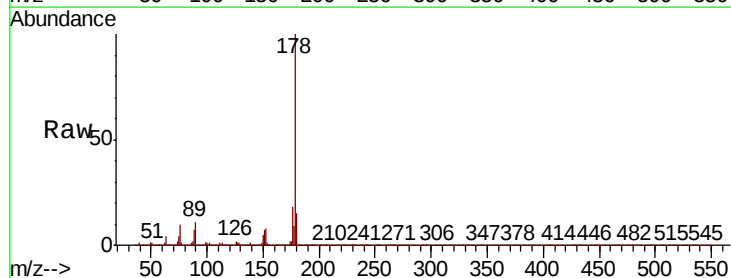
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

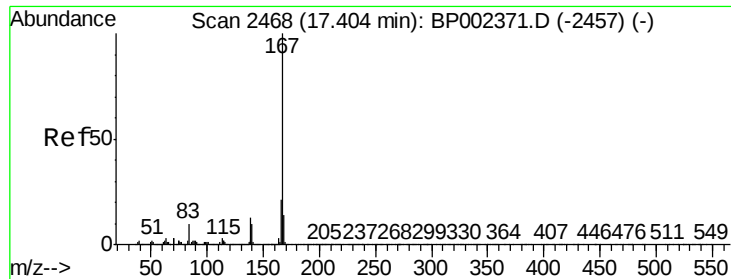
Tot Ion:178 Resp: 387452
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.6
179 15.1 12.5 18.7



#72
Anthracene
Concen: 9.097 ng
RT: 17.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion:178 Resp: 378428
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 14.9 13.0 19.4

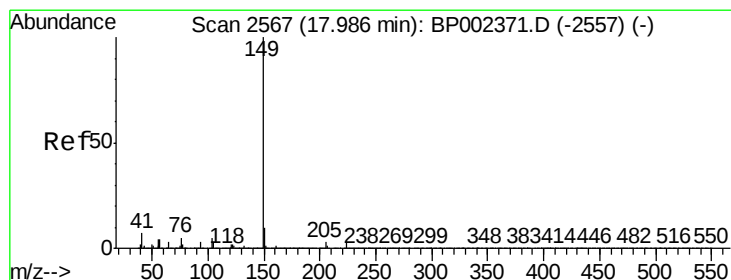
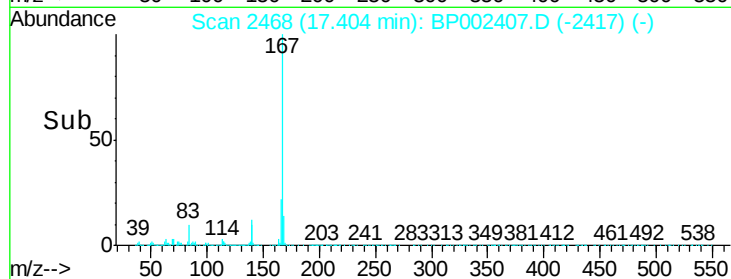
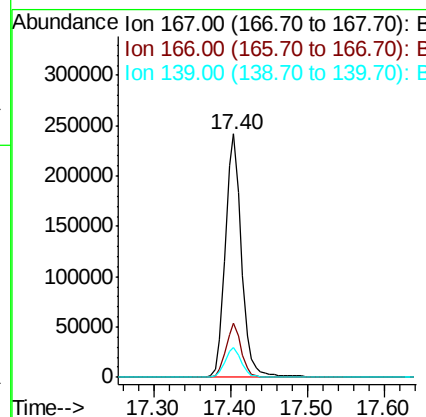
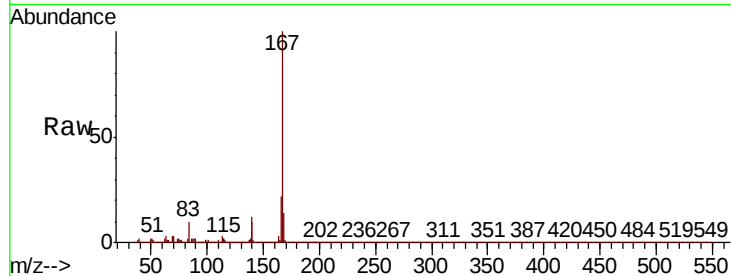




#73
 Carbazole
 Concen: 8.604 ng
 RT: 17.40 min Scan# 2468
 Delta R.T. 0.00 min
 Lab File: BP002407.D
 Acq: 15 Jun 2020 13:28

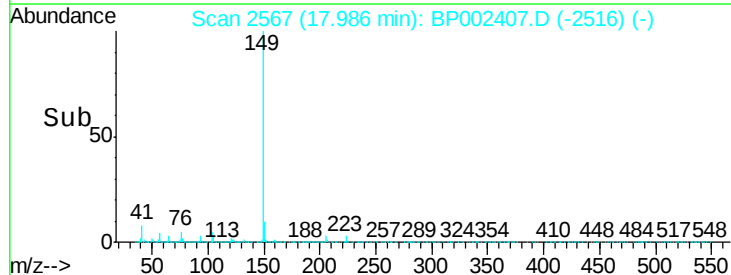
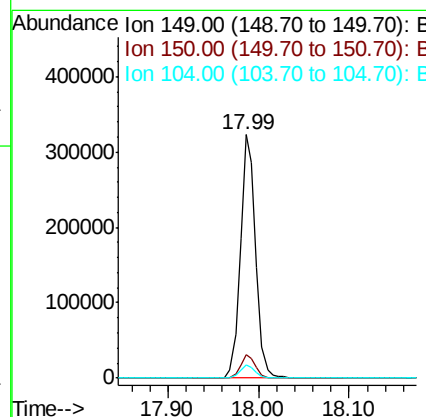
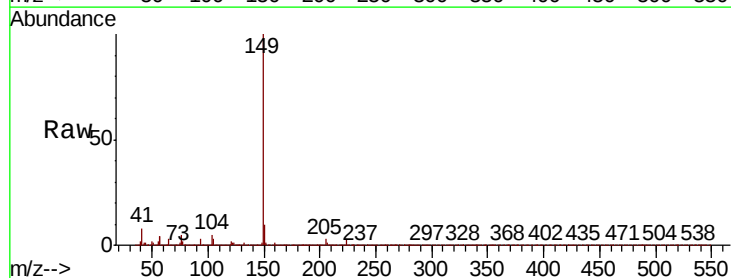
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

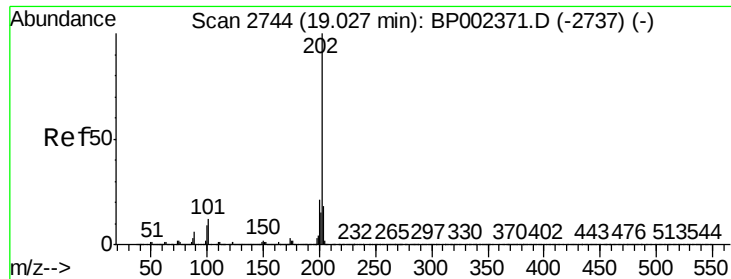
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.1	25.7
139	12.3	10.3	15.5



#74
 Di-n-butylphthalate
 Concen: 7.856 ng
 RT: 17.99 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BP002407.D
 Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.5	4.3	6.5





#75

Fluoranthene

Concen: 8.794 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

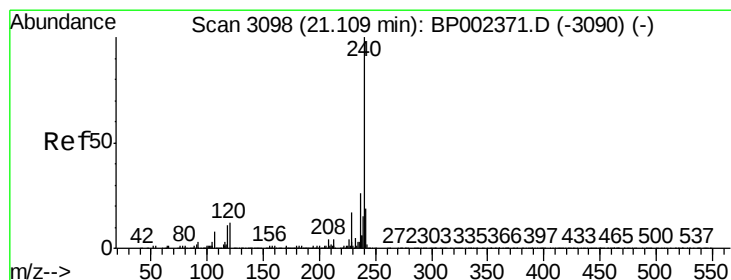
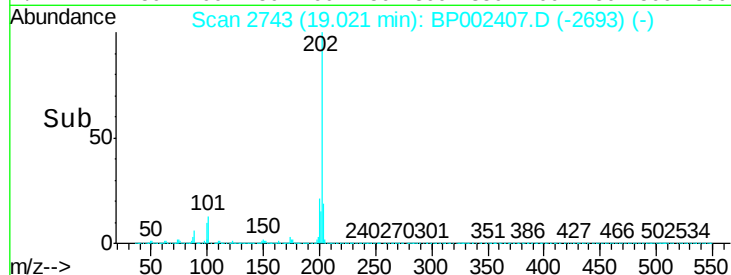
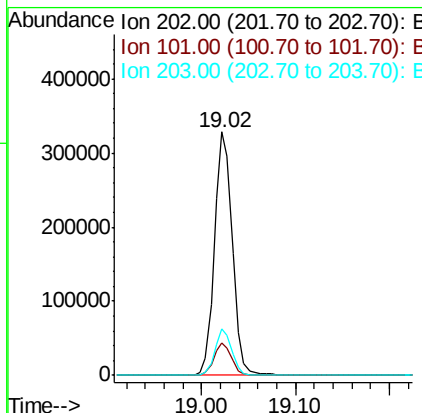
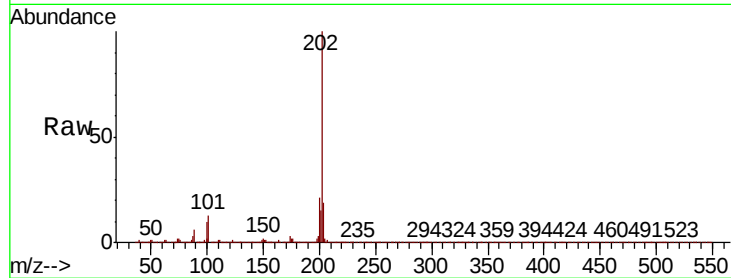
Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:	202	Resp:	439554
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	31.8
203	19.1	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

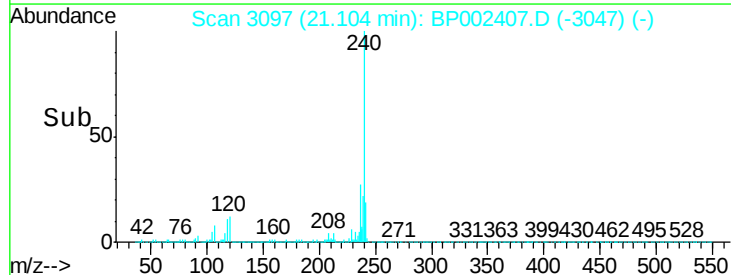
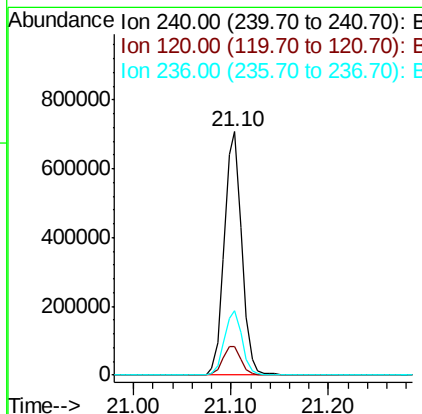
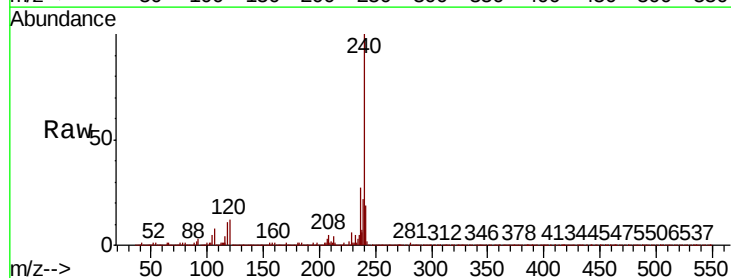
RT: 21.10 min Scan# 3097

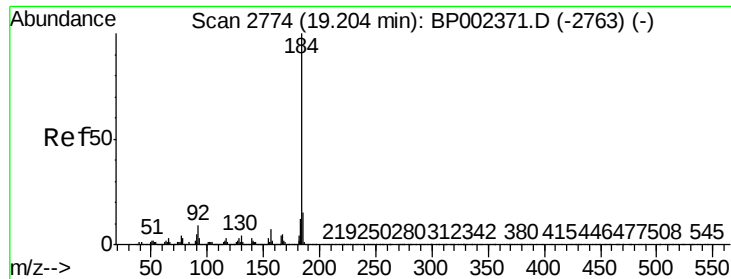
Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Tgt Ion:	240	Resp:	879402
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.3	13.9
236	26.6	21.0	31.6





#77

Benzidine

Concen: 7.379 ng

RT: 19.21 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

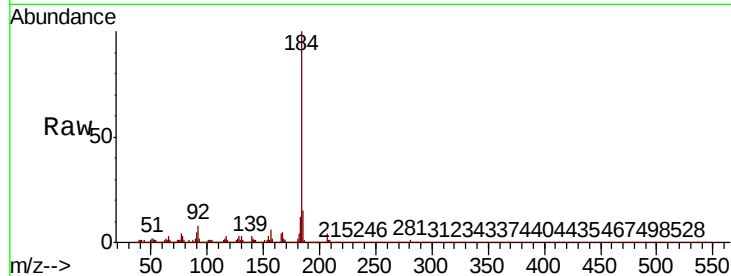
Tot Ion:184 Resp: 144999

Ion Ratio Lower Upper

184 100

185 15.0 11.8 17.8

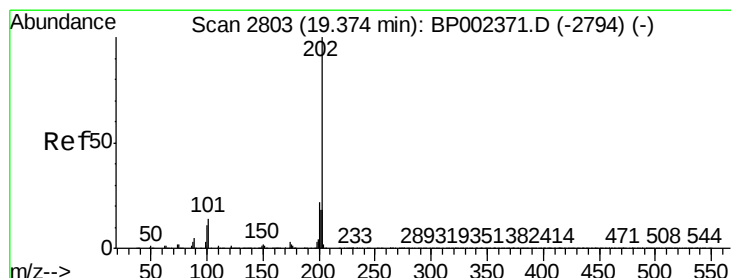
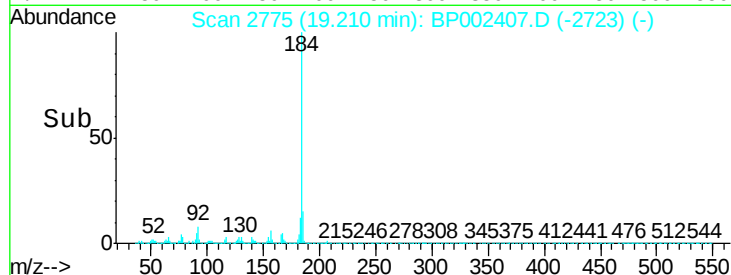
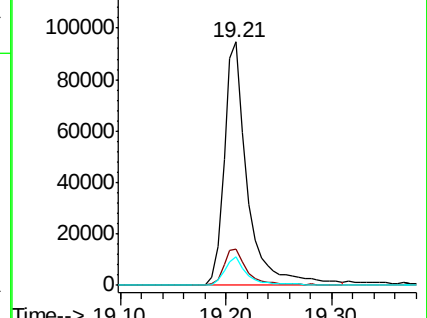
183 11.5 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.893 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

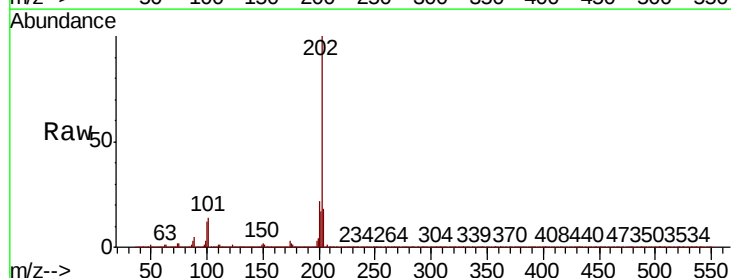
Tgt Ion:202 Resp: 479022

Ion Ratio Lower Upper

202 100

200 21.8 17.7 26.5

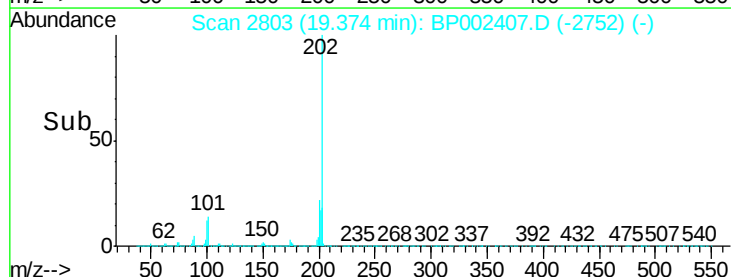
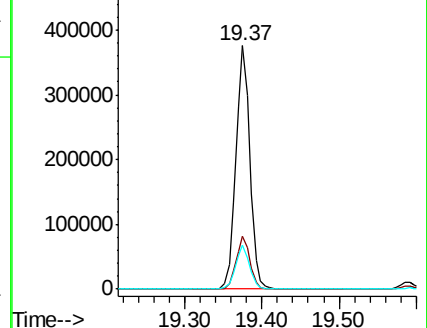
203 17.8 14.6 22.0

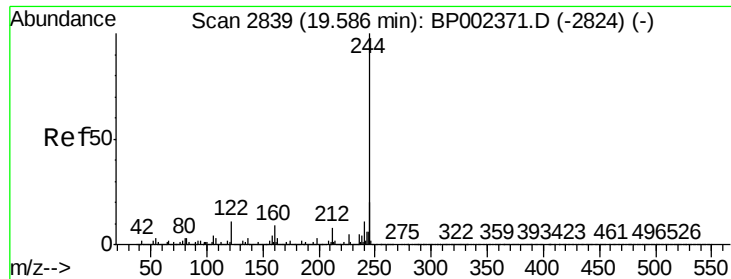


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 111.789 ng

RT: 19.59 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

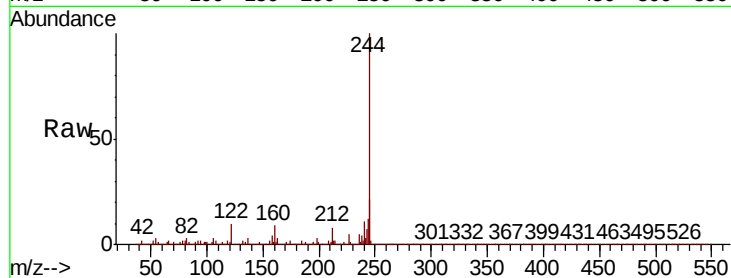
BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:244 Resp: 3751886

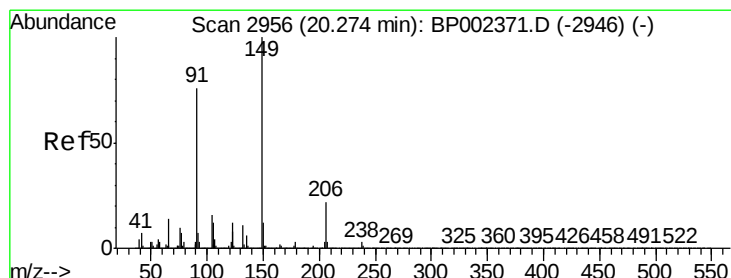
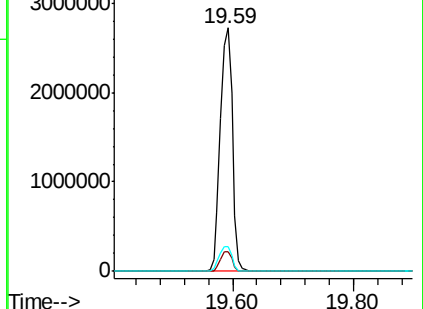
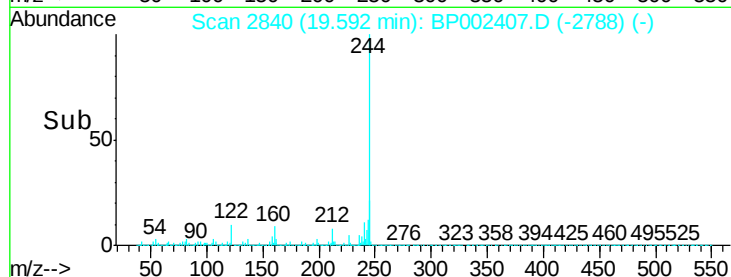
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.6	10.0
122	10.0	8.8	13.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.964 ng

RT: 20.27 min Scan# 2956

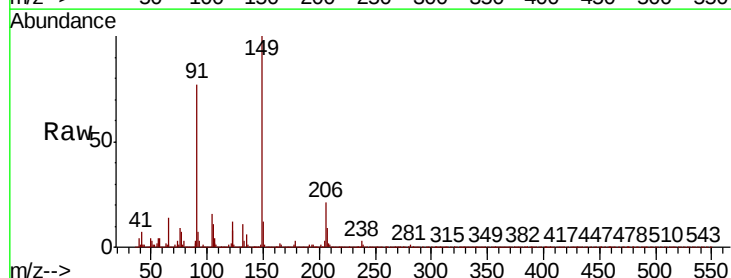
Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Tgt Ion:149 Resp: 166744

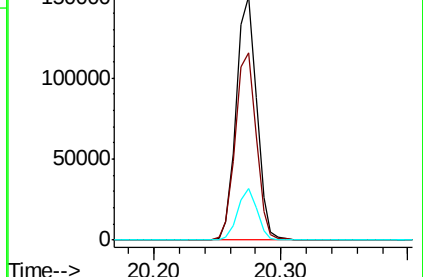
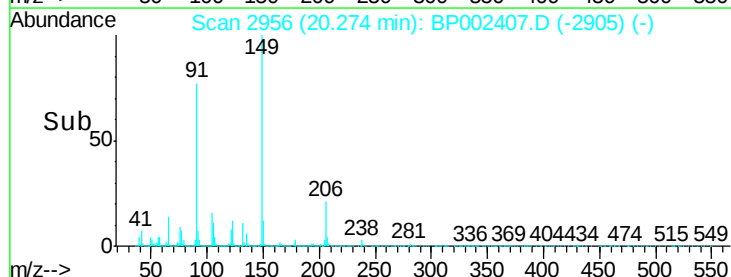
Ion	Ratio	Lower	Upper
149	100		
91	77.0	61.2	91.8
206	21.0	17.8	26.6

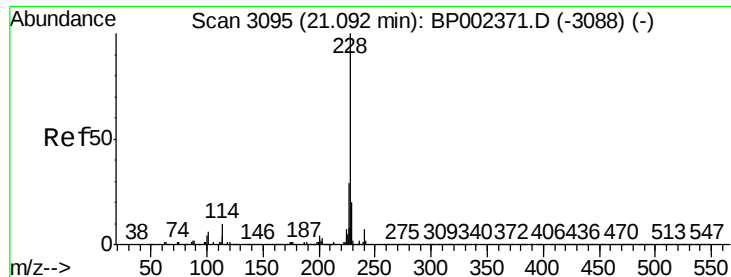


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

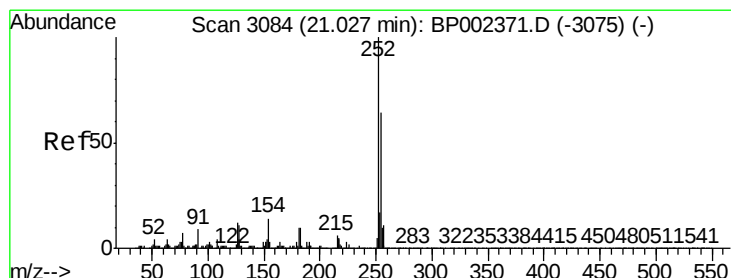
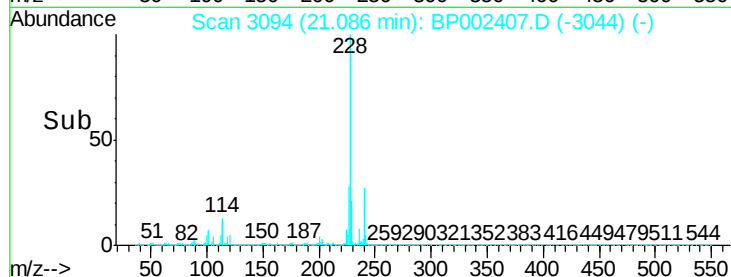
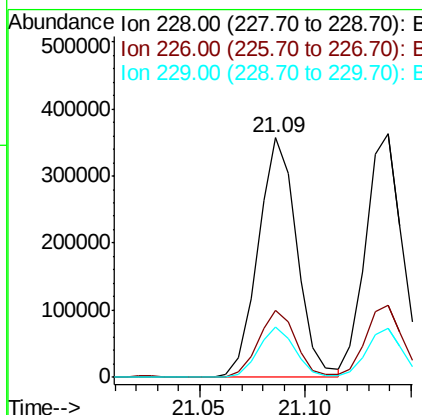
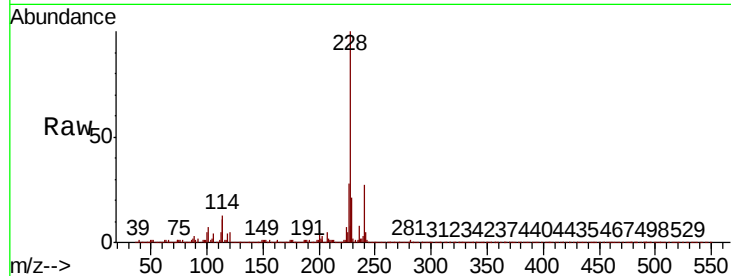




#81
Benzo(a)anthracene
Concen: 9.067 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

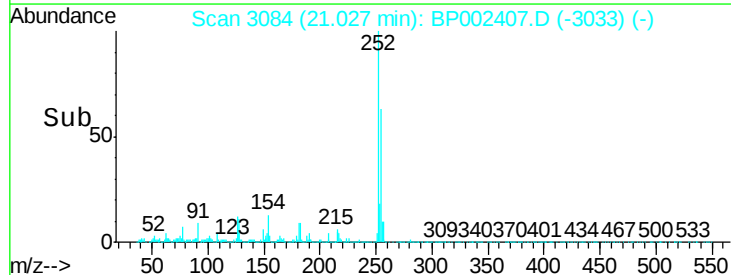
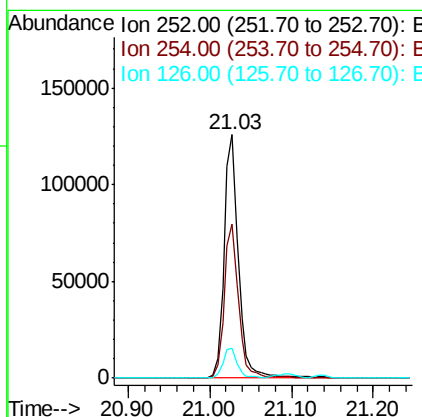
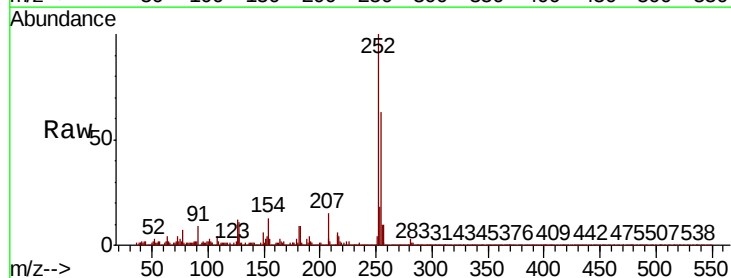
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2020

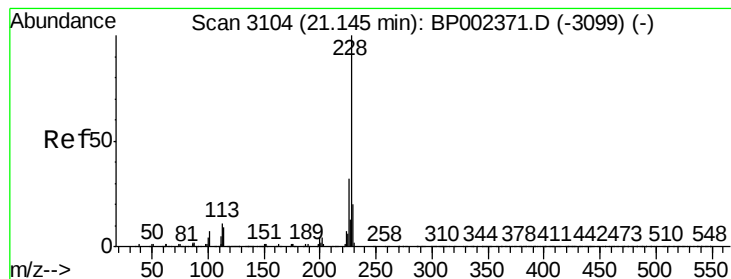
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.8	34.2
229	20.8	16.2	24.2



#82
3,3'-Dichlorobenzidine
Concen: 8.229 ng
RT: 21.03 min Scan# 3084
Delta R.T. 0.00 min
Lab File: BP002407.D
Acq: 15 Jun 2020 13:28

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.4	77.2
126	12.2	9.2	13.8





#83

Chrysene

Concen: 9.306 ng

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

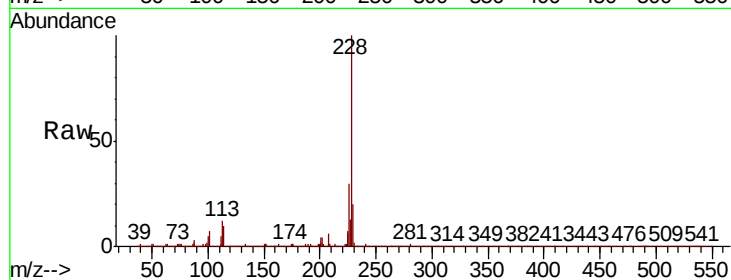
BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:228 Resp: 442575

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.2	37.8
229	20.0	16.1	24.1

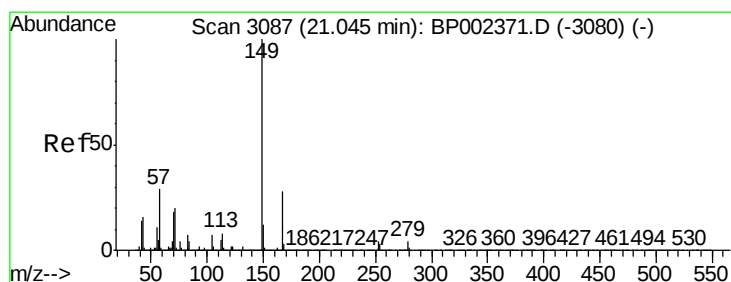
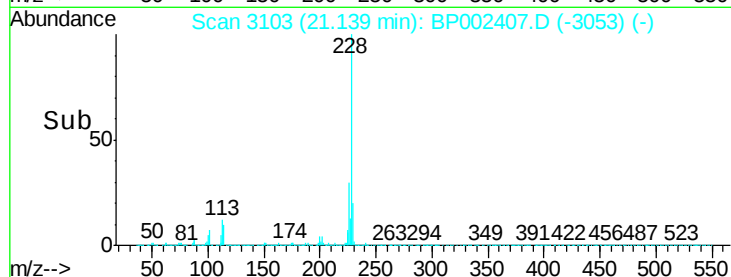
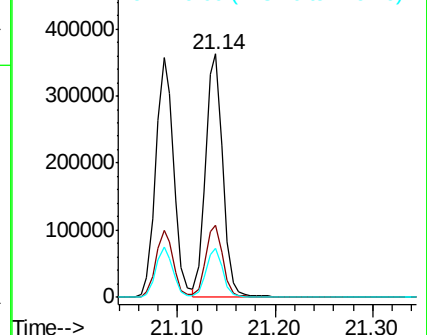


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.822 ng

RT: 21.04 min Scan# 3087

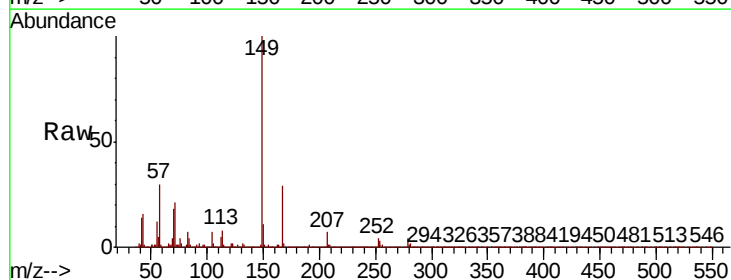
Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Tgt Ion:149 Resp: 272439

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.3	33.5
279	3.8	3.2	4.8

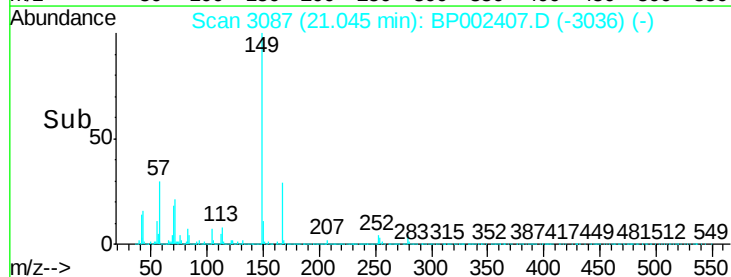
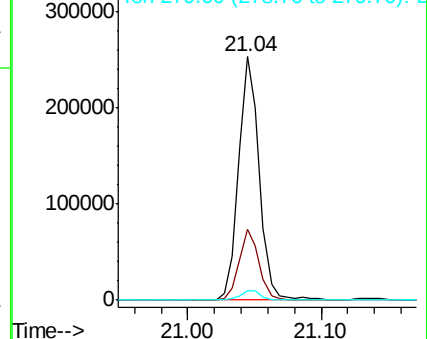


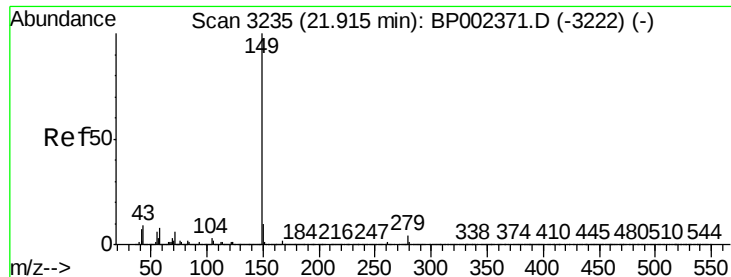
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.350 ng

RT: 21.91 min Scan# 3234

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

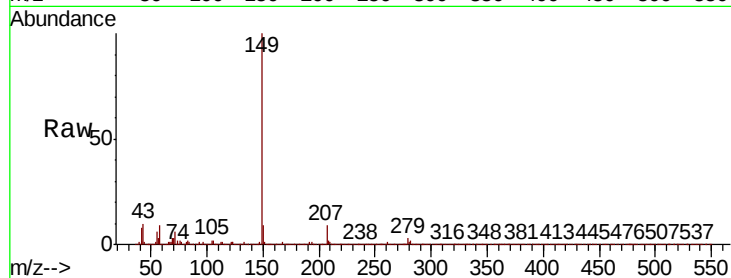
Tot Ion:149 Resp: 449061

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

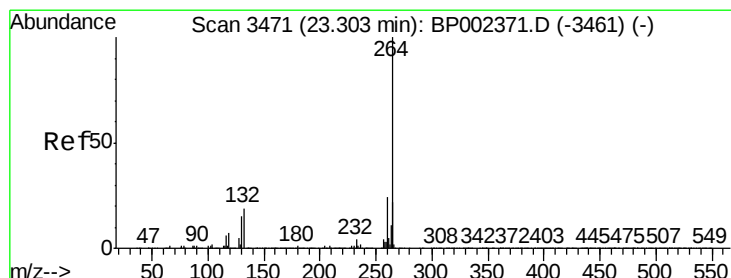
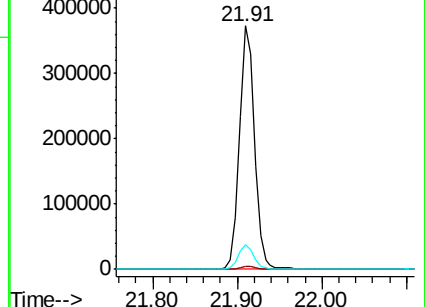
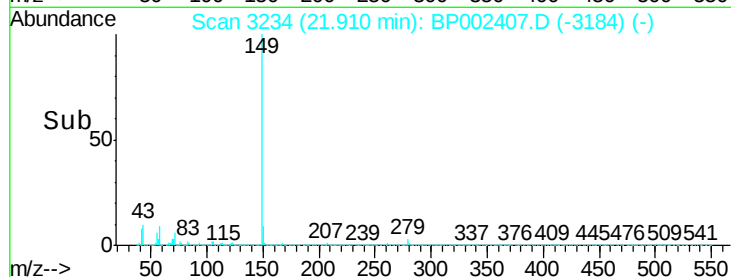
43 10.4 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BP0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.30 min Scan# 3471

Delta R.T. 0.00 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

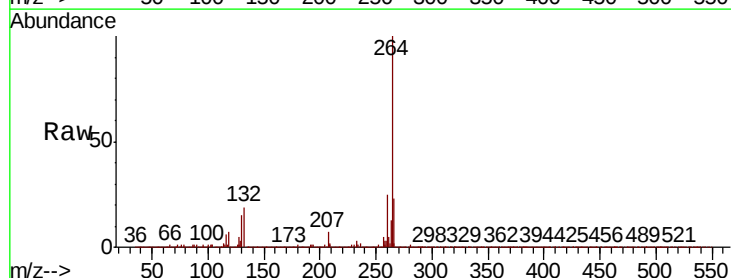
Tgt Ion:264 Resp: 1007402

Ion Ratio Lower Upper

264 100

260 25.2 19.4 29.0

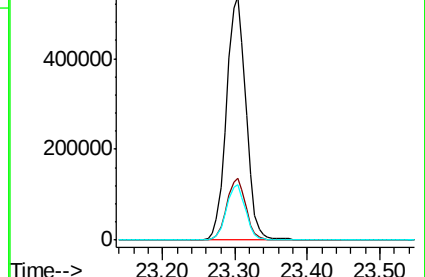
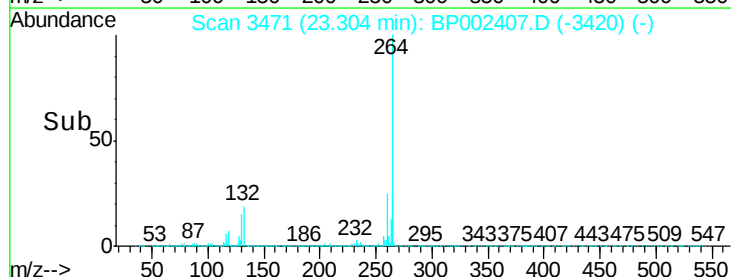
265 22.6 17.4 26.2

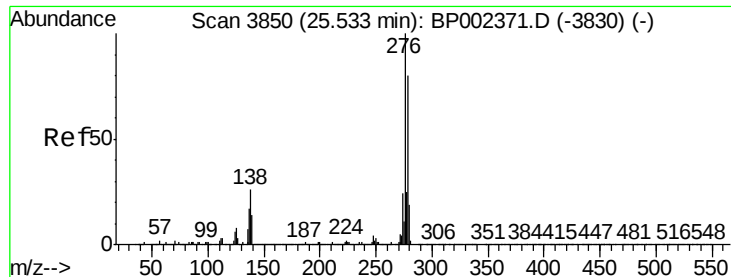


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.173 ng

RT: 25.52 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

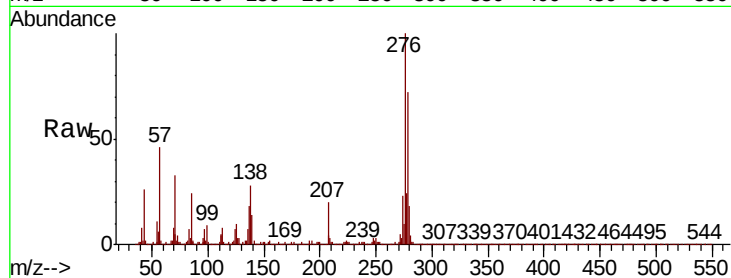
Tot Ion:276 Resp: 514966

Ion Ratio Lower Upper

276 100

138 29.2 21.2 31.8

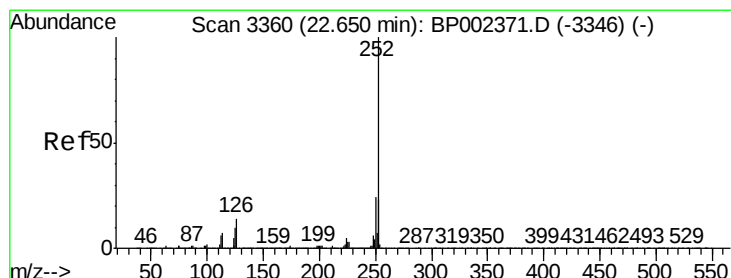
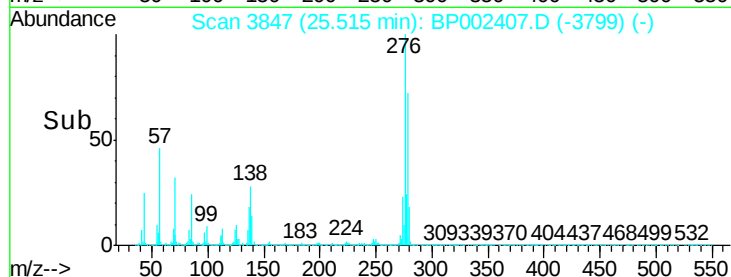
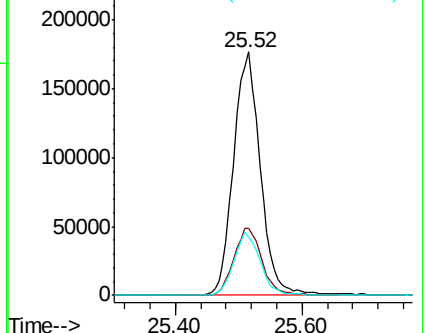
277 25.4 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 8.062 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

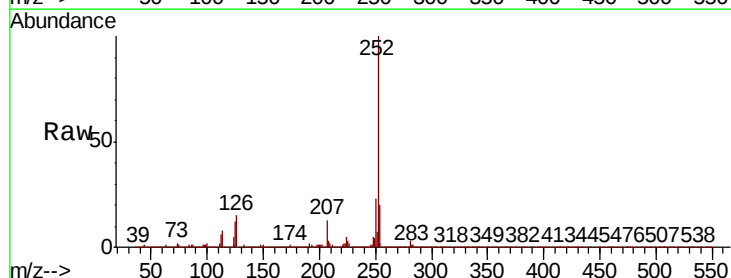
Tgt Ion:252 Resp: 438003

Ion Ratio Lower Upper

252 100

253 20.5 18.1 27.1

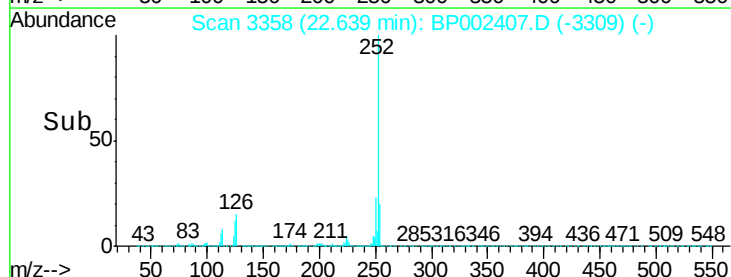
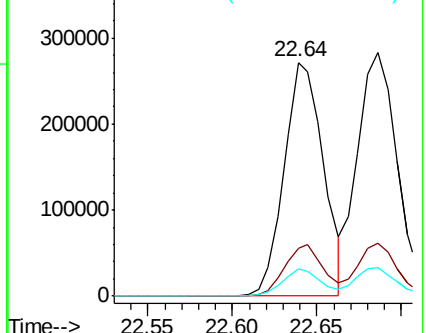
125 11.6 8.2 12.2

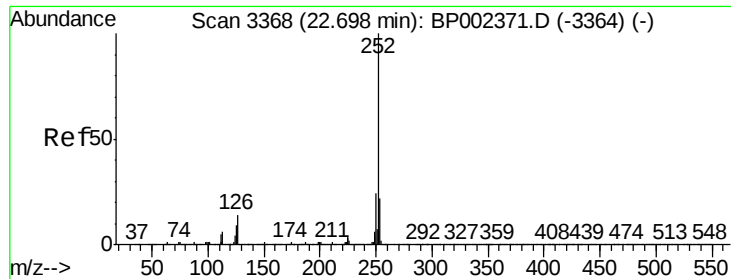


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.485 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.06 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

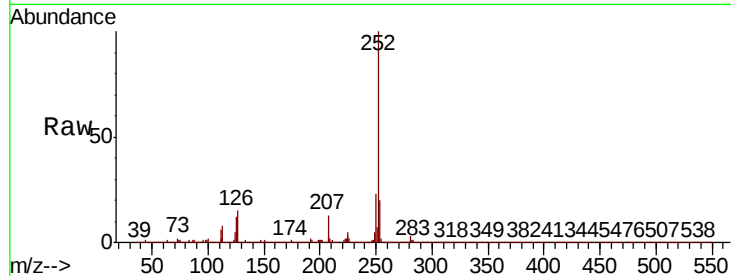
Tot Ion:252 Resp: 438003

Ion Ratio Lower Upper

252 100

253 20.5 17.8 26.6

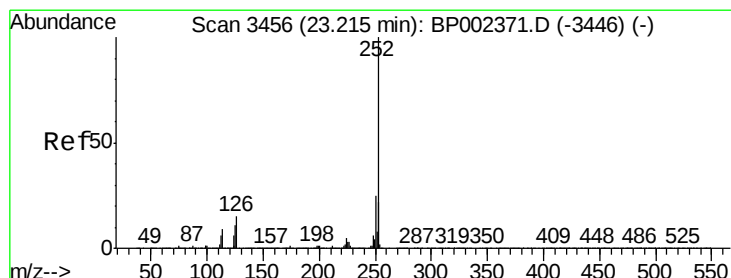
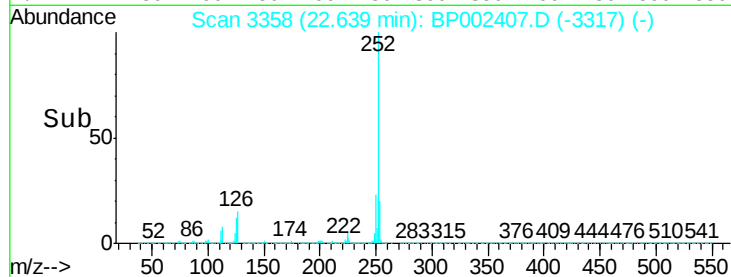
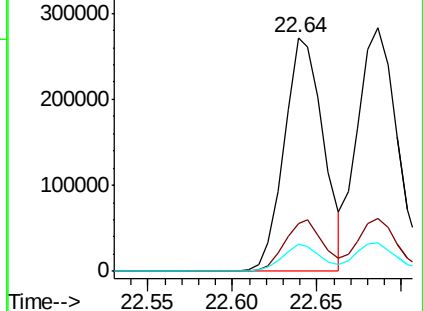
125 11.6 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.846 ng

RT: 23.20 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

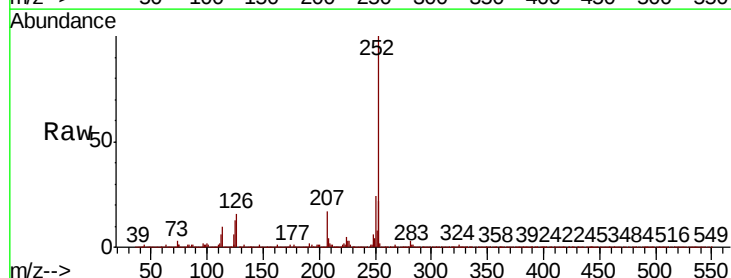
Tgt Ion:252 Resp: 399435

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

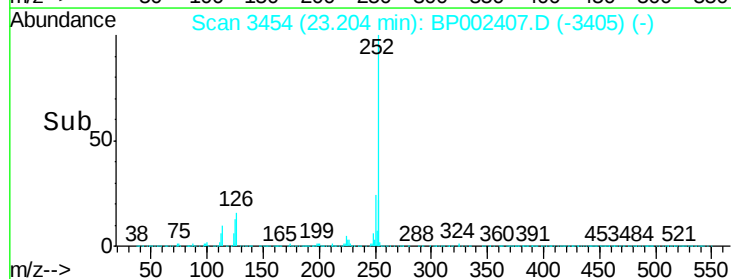
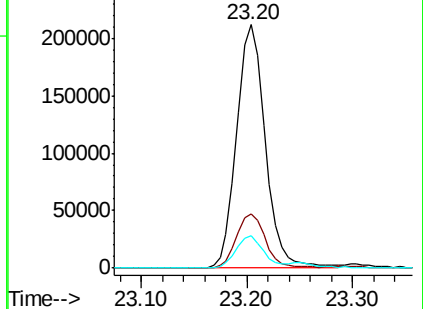
125 13.2 9.2 13.8

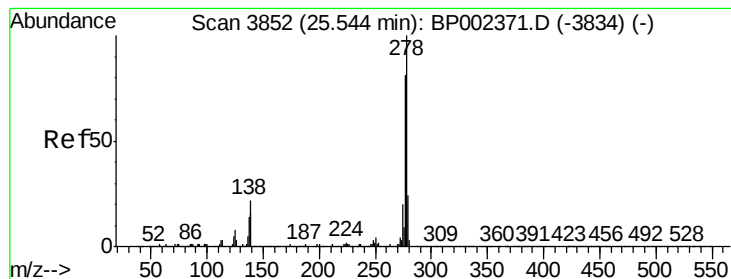


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 8.663 ng

RT: 25.53 min Scan# 3849

Delta R.T. -0.02 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Instrument :

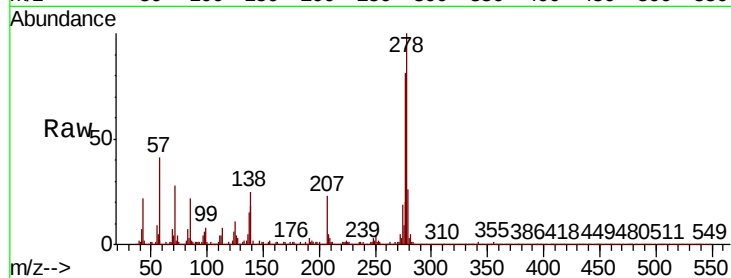
BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:278 Resp: 437850

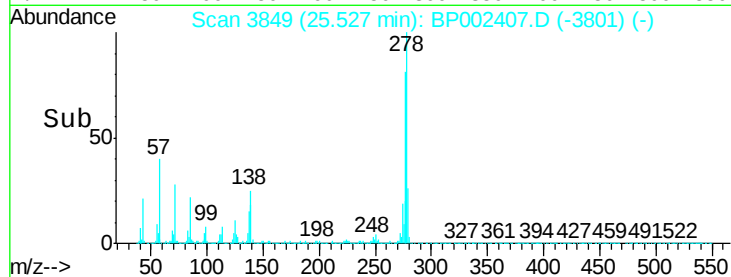
Ion	Ratio	Lower	Upper
278	100		
139	18.4	13.1	19.7
279	25.8	18.9	28.3



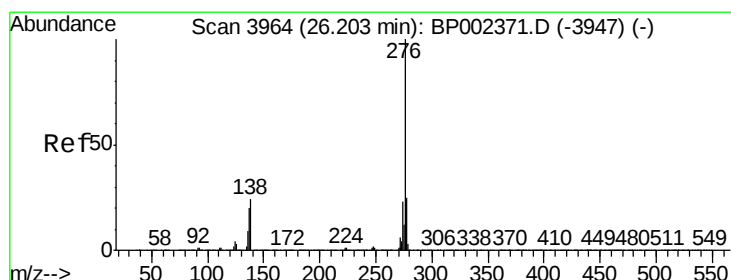
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#92

Benzo(g,h,i)perylene

Concen: 8.381 ng

RT: 26.18 min Scan# 3960

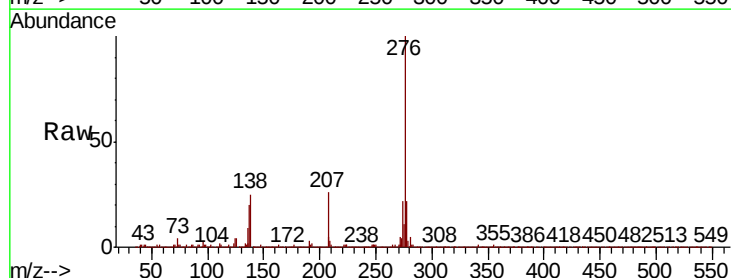
Delta R.T. -0.02 min

Lab File: BP002407.D

Acq: 15 Jun 2020 13:28

Tgt Ion:276 Resp: 438704

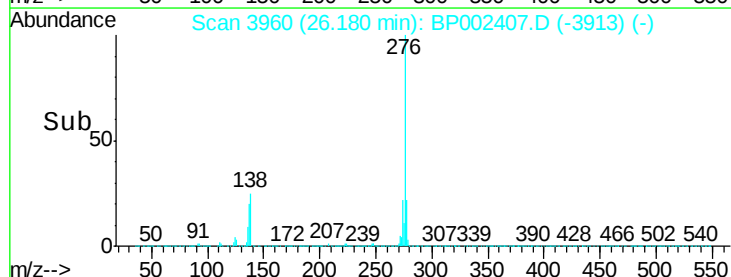
Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.8	29.6
138	24.6	19.2	28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->