

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
 Data File : BP001010.D
 Acq On : 08 Nov 2019 10:16
 Operator : JU
 Sample : K5111-03
 Misc : MDL-MDL-S-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

Quant Time: Nov 08 11:26:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 08 11:19:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	244298	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	874081	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	485981	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	968407	20.00	ng	0.00
76) Chrysene-d12	19.29	240	866940	20.00	ng	0.00
87) Perylene-d12	21.07	264	984996	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.30	112	1870185	139.34	ng	0.00
7) Phenol-d6	7.82	99	2292463	135.07	ng	0.00
23) Nitrobenzene-d5	9.26	82	1638375	103.69	ng	0.00
42) 2,4,6-Tribromophenol	14.56	330	801953	138.23	ng	0.00
45) 2-Fluorobiphenyl	12.19	172	3355067	103.98	ng	0.00
79) Terphenyl-d14	17.94	244	4175281	95.80	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.86	88	41437	7.101	ng	97
3) Pyridine	3.76	79	89161	5.779	ng	95
4) n-Nitrosodimethylamine	3.61	42	39840	7.409	ng	# 95
6) Aniline	7.86	93	171649	7.744	ng	99
8) 2-Chlorophenol	8.04	128	111045	7.802	ng	97
9) Benzaldehyde	7.68	77	98987	8.359	ng	97
10) Phenol	7.83	94	148953	8.024	ng	93
11) bis(2-Chloroethyl)ether	7.98	93	110649	7.656	ng	99
12) 1,3-Dichlorobenzene	8.28	146	138097	7.734	ng	98
13) 1,4-Dichlorobenzene	8.40	146	140897	7.834	ng	99
14) 1,2-Dichlorobenzene	8.64	146	129170	7.766	ng	99
15) Benzyl Alcohol	8.60	79	126027	9.744	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.83	45	105136	6.966	ng	96
17) 2-Methylphenol	8.77	107	93101	7.705	ng	98
18) Hexachloroethane	9.18	117	49013	7.419	ng	97
19) n-Nitroso-di-n-propylamine	9.03	70	74747	7.334	ng	96
20) 3+4-Methylphenols	9.02	107	121321	8.093	ng	# 82
22) Acetophenone	9.01	105	167971	7.441	ng	# 99
24) Nitrobenzene	9.28	77	128284	8.091	ng	98
25) Isophorone	9.67	82	210243	7.229	ng	99
26) 2-Nitrophenol	9.79	139	36390	6.142	ng	94
27) 2,4-Dimethylphenol	9.87	122	92569	8.343	ng	98
28) bis(2-Chloroethoxy)methane	10.03	93	134378	7.067	ng	99
29) 2,4-Dichlorophenol	10.17	162	96920	7.237	ng	99
30) 1,2,4-Trichlorobenzene	10.32	180	124521	7.569	ng	100
31) Naphthalene	10.43	128	342577	7.844	ng	99
32) Benzoic acid	9.96	122	12503	2.082	ng	93
33) 4-Chloroaniline	10.53	127	135879	7.256	ng	98
34) Hexachlorobutadiene	10.66	225	80654	7.420	ng	98
35) Caprolactam	11.05	113	24791	5.865	ng	93
36) 4-Chloro-3-methylphenol	11.32	107	99604	7.163	ng	99
37) 2-Methylnaphthalene	11.56	142	237322	7.764	ng	100
38) 1-Methylnaphthalene	11.72	142	226203	7.832	ng	97
40) 1,2,4,5-Tetrachlorobenzene	11.84	216	133110	8.226	ng	99

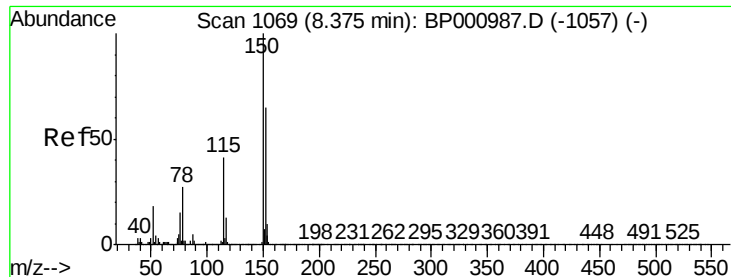
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP110819\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	11.84	237	69069	8.520	nq	99
43) 2,4,6-Trichlorophenol	12.03	196	67489	6.917	nq	99
44) 2,4,5-Trichlorophenol	12.07	196	74100	7.103	nq	98
46) 1,1'-Biphenyl	12.33	154	294623	8.108	nq	99
47) 2-Chloronaphthalene	12.36	162	231148	7.902	nq	99
48) 2-Nitroaniline	12.52	65	45252	5.910	nq	95
49) Acenaphthylene	13.03	152	348512	7.837	nq	99
50) Dimethylphthalate	12.85	163	260484	7.249	nq	100
51) 2,6-Dinitrotoluene	12.93	165	48858	6.518	nq	92
52) Acenaphthene	13.32	154	202671	7.620	nq	98
53) 3-Nitroaniline	13.19	138	48988	5.992	nq	# 96
54) 2,4-Dinitrophenol	13.36	184	6875	3.721	nq	97
55) Dibenzofuran	13.60	168	332715	8.008	nq	99
56) 4-Nitrophenol	13.46	139	29877	5.255	nq	94
57) 2,4-Dinitrotoluene	13.58	165	56375	5.988	nq	98
58) Fluorene	14.16	166	249758	7.554	nq	99
59) 2,3,4,6-Tetrachlorophenol	13.80	232	53262	6.005	nq	98
60) Diethylphthalate	14.02	149	246322	6.824	nq	99
61) 4-Chlorophenyl-phenylether	14.18	204	137839	7.884	nq	98
62) 4-Nitroaniline	12.52	138	50025	5.707	nq	97
63) Azobenzene	14.44	77	227729	7.209	nq	98
65) 4,6-Dinitro-2-methylphenol	14.25	198	13172	4.821	nq	95
66) n-Nitrosodiphenylamine	14.37	169	216473	7.775	nq	99
67) 4-Bromophenyl-phenylether	14.98	248	81740	7.170	nq	97
68) Hexachlorobenzene	15.06	284	99151	7.505	nq	98
69) Atrazine	15.25	200	63857	6.299	nq	100
70) Pentachlorophenol	15.37	266	28865	4.908	nq	99
71) Phenanthrene	15.69	178	386670	7.801	nq	99
72) Anthracene	15.77	178	380688	7.874	nq	100
73) Carbazole	16.01	167	335993	7.580	nq	98
74) Di-n-butylphthalate	16.57	149	330422	6.176	nq	99
75) Fluoranthene	17.40	202	426100	7.606	nq	99
77) Benzidine	17.59	184	173838	5.445	nq	98
78) Pyrene	17.70	202	455103	7.428	nq	99
80) Butylbenzylphthalate	18.59	149	120859	4.982	nq	98
81) Benzo(a)anthracene	19.28	228	428538	7.339	nq	100
82) 3,3'-Dichlorobenzidine	19.25	252	149983	7.045	nq	100
83) Chrysene	19.32	228	417731	8.149	nq	100
84) Bis(2-ethylhexyl)phthalate	19.34	149	189943	6.158	nq	97
85) Di-n-octyl phthalate	20.12	149	278239	5.011	nq	100
86) Indeno(1,2,3-cd)pyrene	22.73	276	477642	6.810	nq	99
88) Benzo(b)fluoranthene	20.58	252	441868	7.526	nq	99
89) Benzo(k)fluoranthene	20.62	252	425209	7.693	nq	98
90) Benzo(a)pyrene	21.00	252	382401	7.083	nq	99
91) Dibenzo(a,h)anthracene	22.76	278	408127	7.407	nq	99
92) Benzo(g,h,i)perylene	23.23	276	410079	7.391	nq	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.38 min Scan# 1069

Delta R.T. -0.00 min

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ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

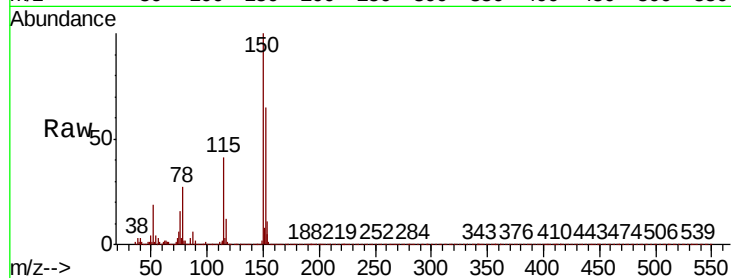
Tot Ion:152 Resp: 244298

Ion Ratio Lower Upper

152 100

150 153.8 123.6 185.4

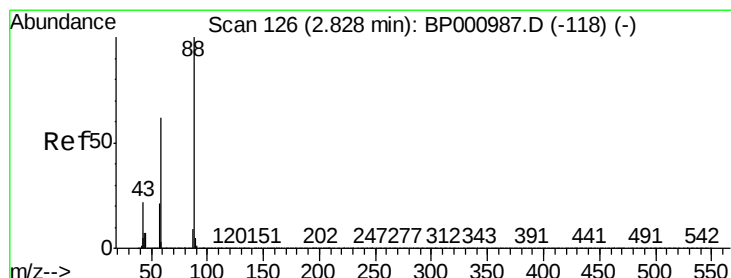
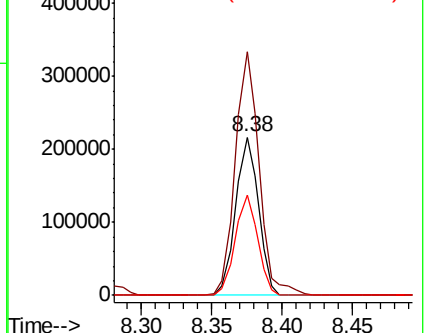
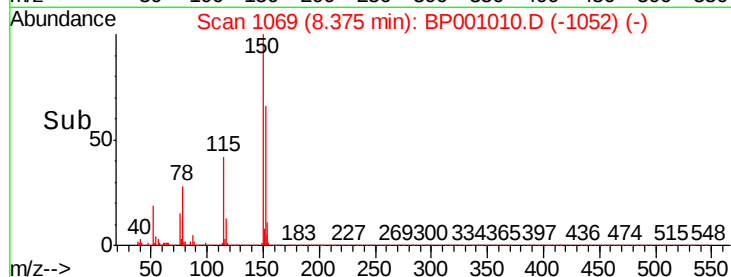
115 63.4 50.1 75.1



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



#2

1,4-Dioxane

Concen: 7.101 ng

RT: 2.86 min Scan# 131

Delta R.T. 0.03 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

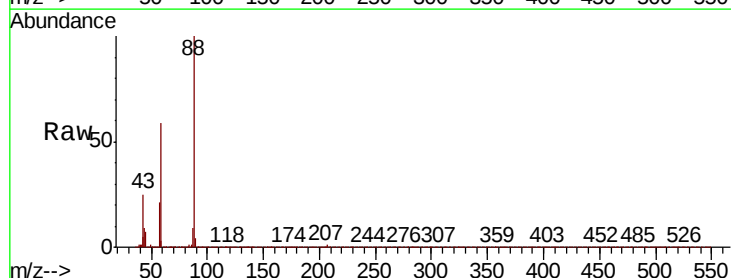
Tgt Ion: 88 Resp: 41437

Ion Ratio Lower Upper

88 100

58 60.4 49.8 74.8

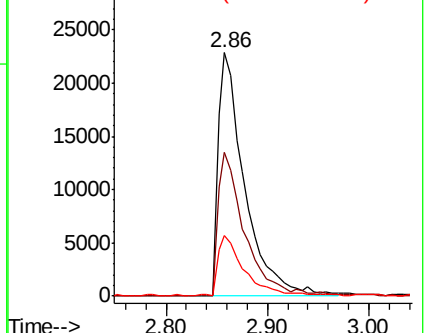
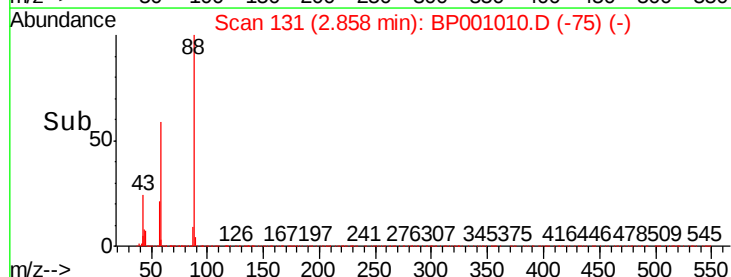
43 24.4 17.6 26.4

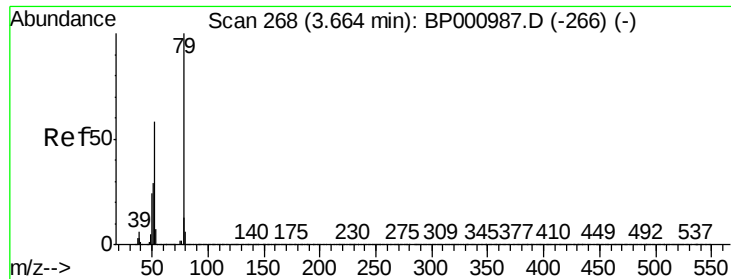


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 5.779 ng

RT: 3.76 min Scan# 285

Delta R.T. 0.10 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

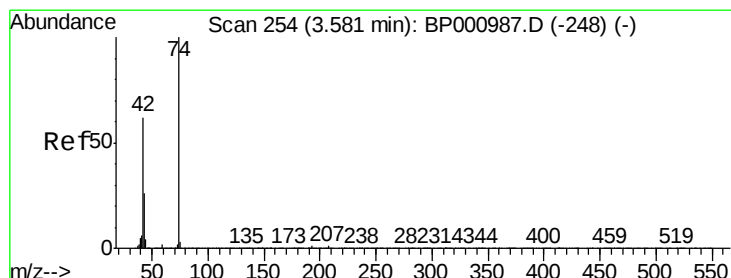
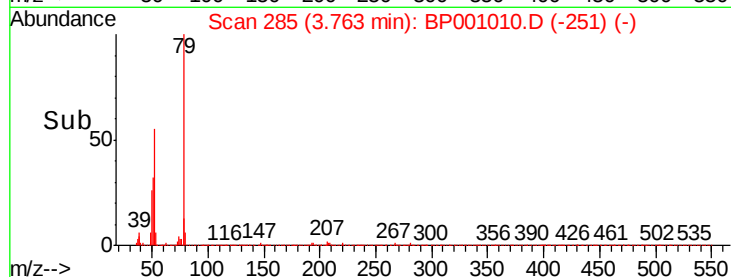
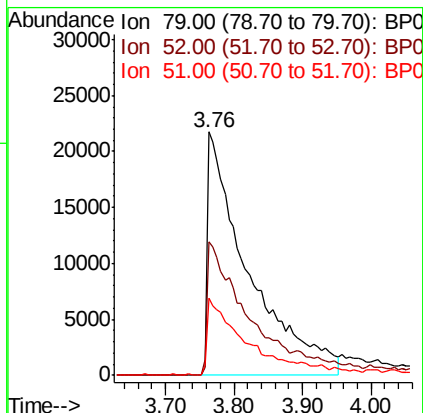
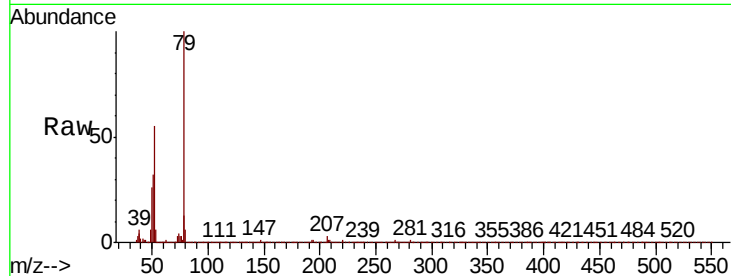
Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	79	Resp:	89161
Ion	Ratio	Lower	Upper
79	100		
52	54.8	46.4	69.6
51	31.9	23.4	35.0



#4

n-Nitrosodimethylamine

Concen: 7.409 ng

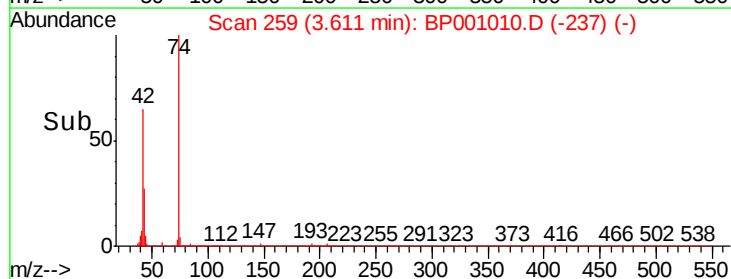
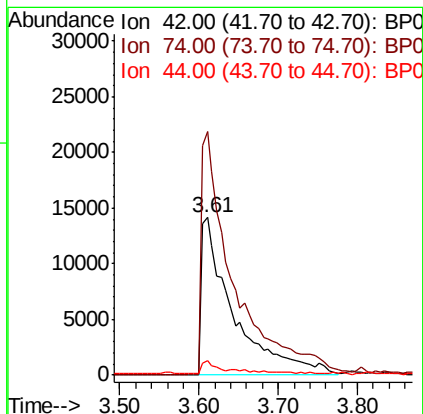
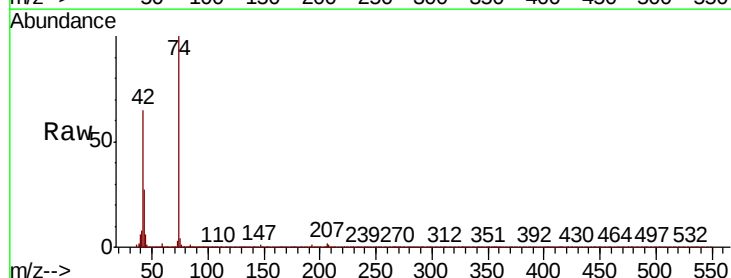
RT: 3.61 min Scan# 259

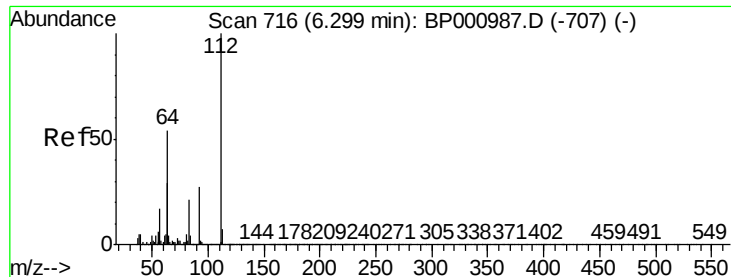
Delta R.T. 0.03 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Tgt Ion:	42	Resp:	39840
Ion	Ratio	Lower	Upper
42	100		
74	154.6	128.4	192.6
44	9.2	5.4	8.2





#5

2-Fluorophenol

Concen: 139.341 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

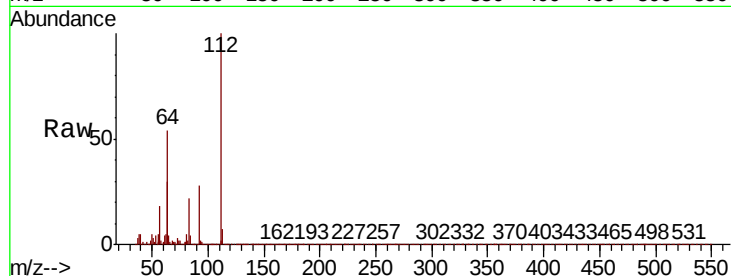
Tot Ion:112 Resp: 1870185

Ion Ratio Lower Upper

112 100

64 53.9 43.4 65.0

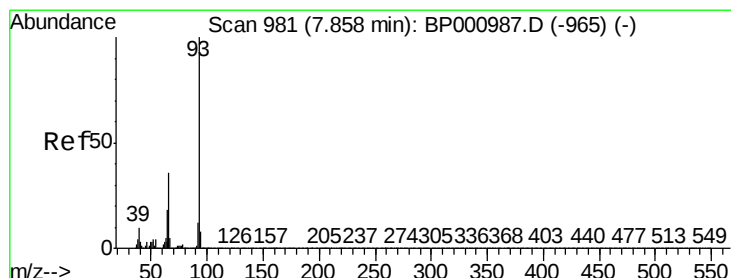
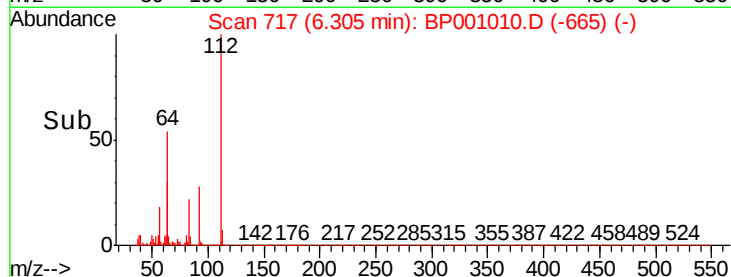
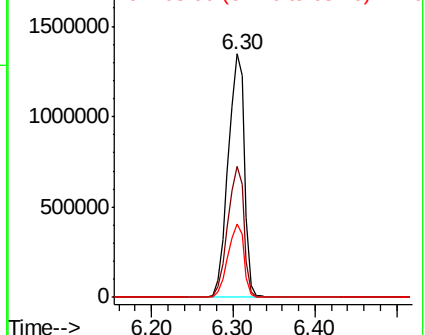
63 30.3 23.4 35.0



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: 7.744 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

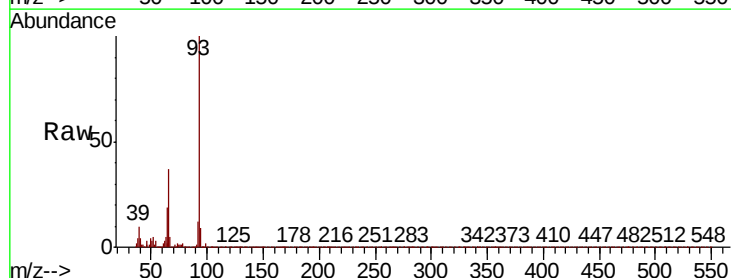
Tgt Ion: 93 Resp: 171649

Ion Ratio Lower Upper

93 100

66 37.3 29.1 43.7

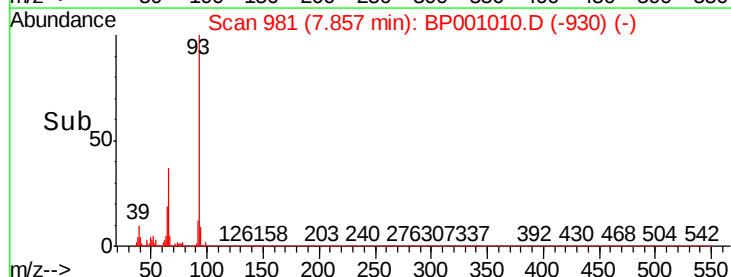
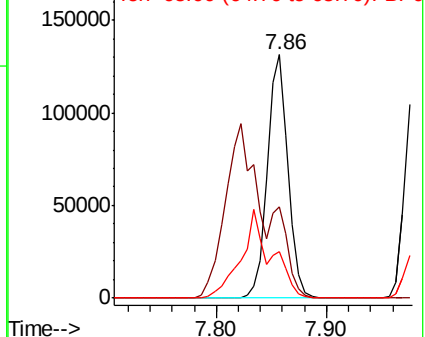
65 18.9 14.6 21.8

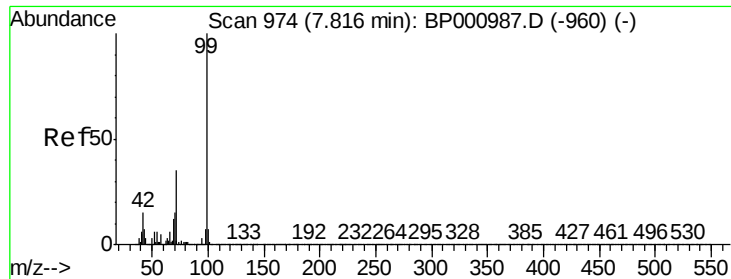


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 135.070 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

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MDL-MDL-SOIL-03-QT4-2019

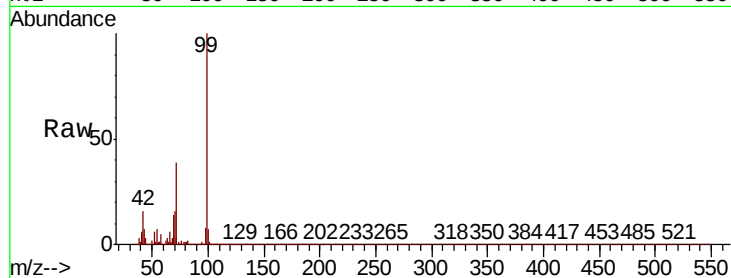
Tot Ion: 99 Resp: 2292463

Ion Ratio Lower Upper

99 100

42 15.6 11.6 17.4

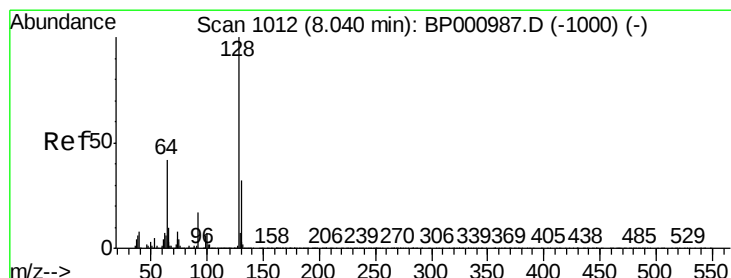
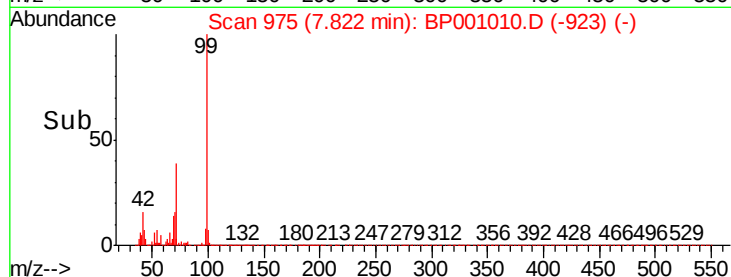
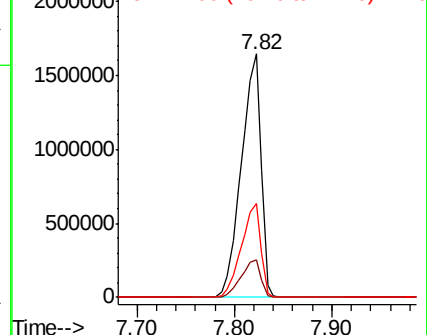
71 38.7 28.0 42.0



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: 7.802 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

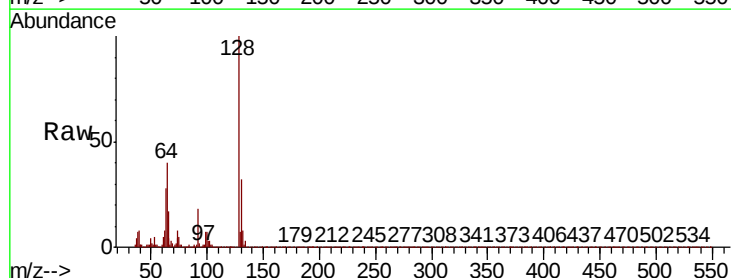
Tgt Ion:128 Resp: 111045

Ion Ratio Lower Upper

128 100

130 32.5 12.0 52.0

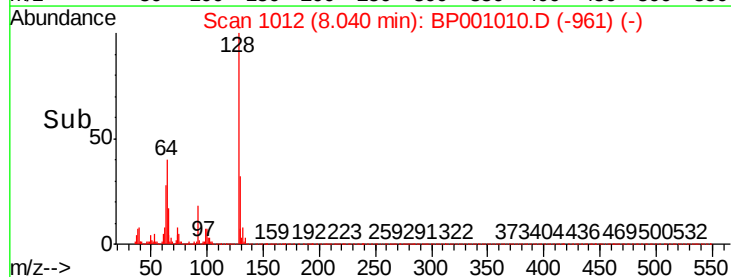
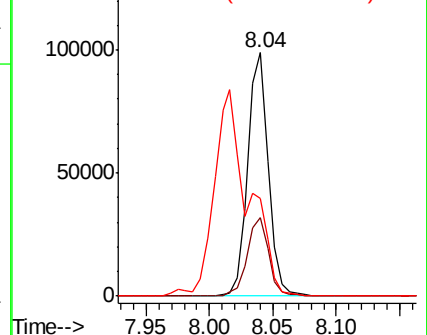
64 40.0 22.7 62.7

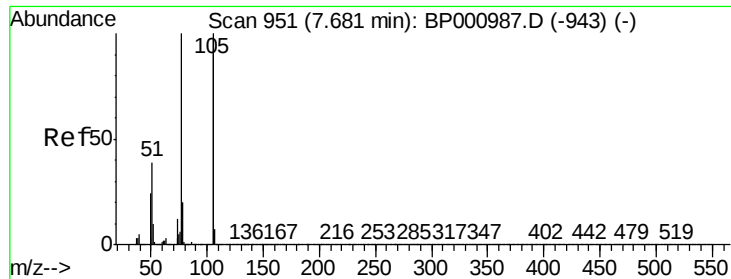


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





#9

Benzaldehyde

Concen: 8.359 ng

RT: 7.68 min Scan# 951

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

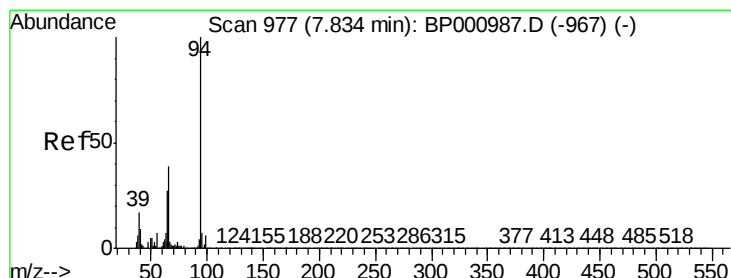
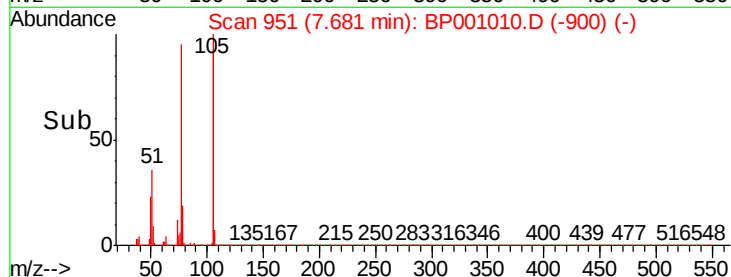
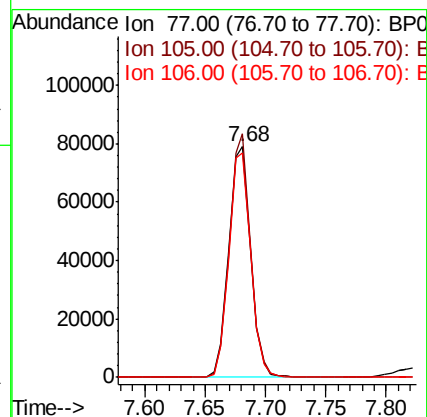
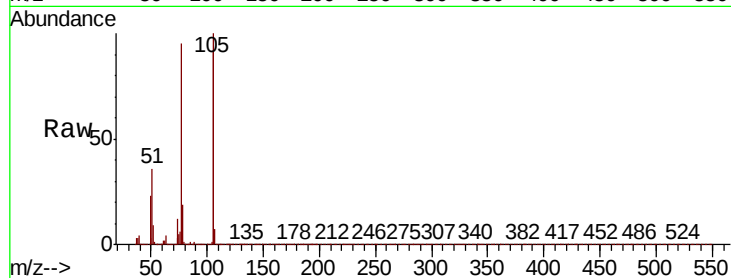
Tot Ion: 77 Resp: 98987

Ion Ratio Lower Upper

77 100

105 105.8 80.0 120.0

106 97.4 76.9 116.9



#10

Phenol

Concen: 8.024 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

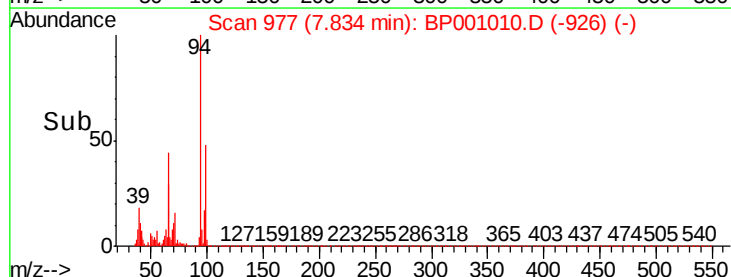
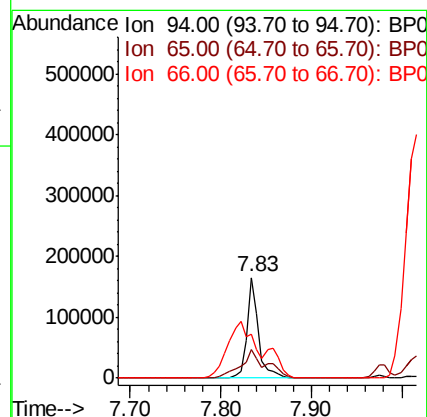
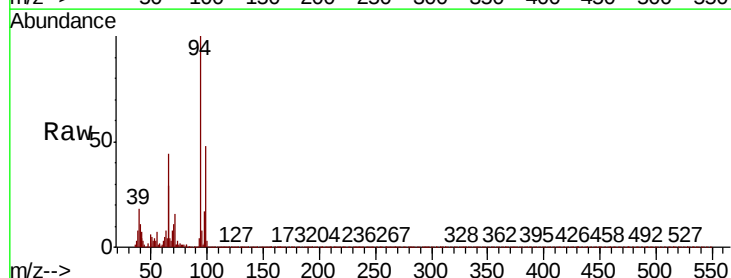
Tgt Ion: 94 Resp: 148953

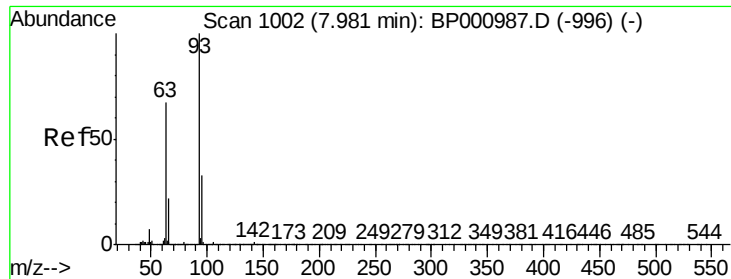
Ion Ratio Lower Upper

94 100

65 29.0 6.7 46.7

66 43.7 18.6 58.6

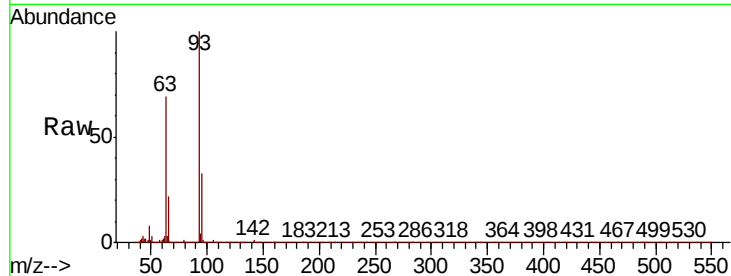




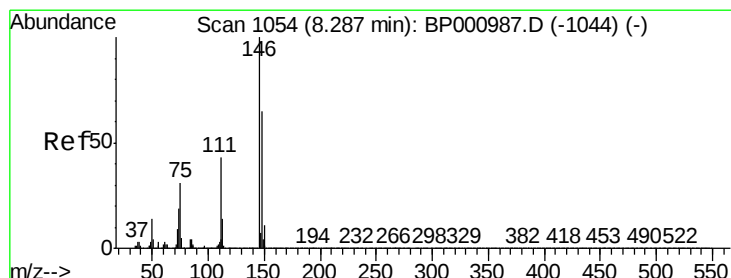
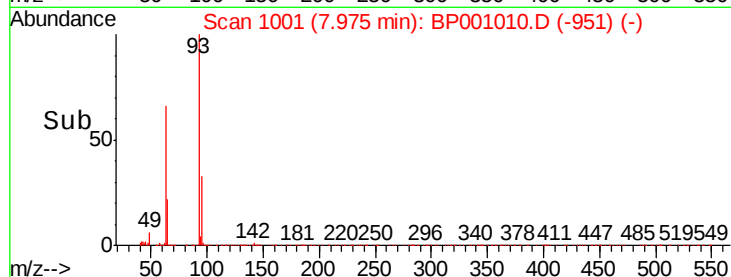
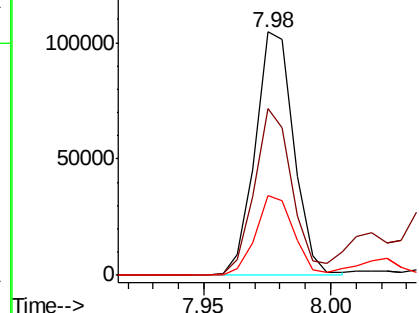
#11
bis(2-Chloroethyl)ether
Concen: 7.656 ng
RT: 7.98 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
93	100		
63	68.6	47.4	87.4
95	32.7	12.6	52.6

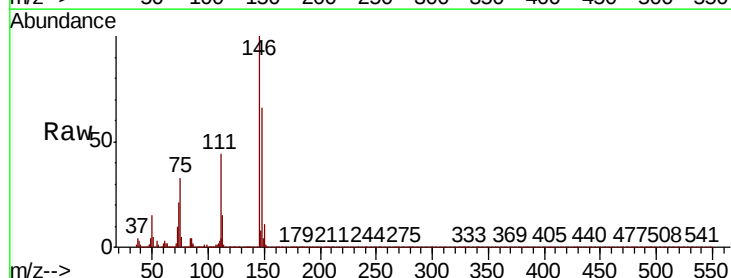


Abundance Ion 93.00 (92.70 to 93.70): BP0
Ion 63.00 (62.70 to 63.70): BP0
Ion 95.00 (94.70 to 95.70): BP0

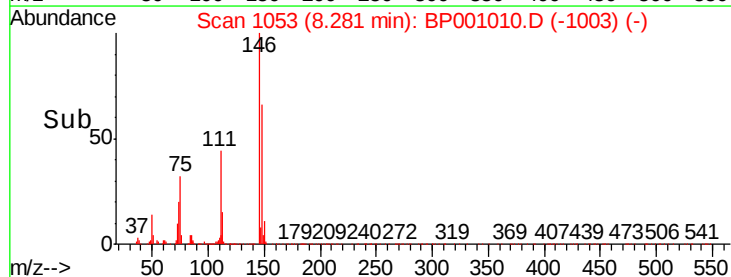
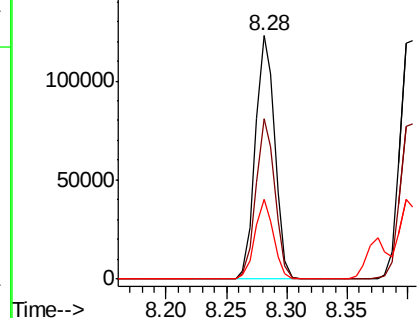


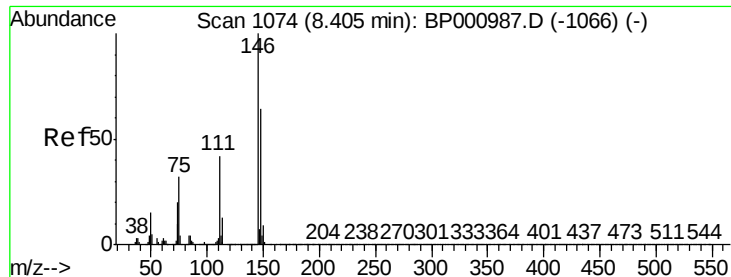
#12
1,3-Dichlorobenzene
Concen: 7.734 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.3	78.5
75	32.6	24.6	37.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BP0





#13

1,4-Dichlorobenzene

Concen: 7.834 ng

RT: 8.40 min Scan# 1074

Delta R.T. -0.00 min

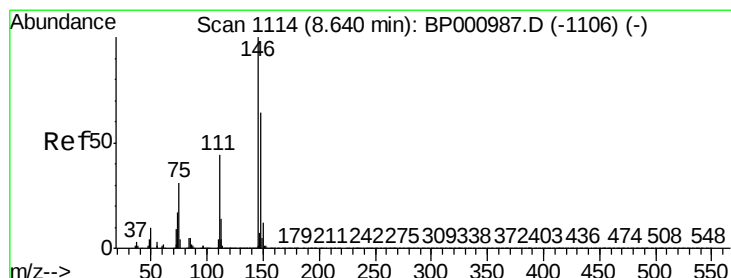
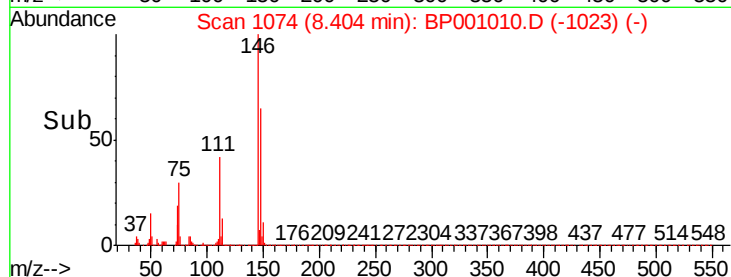
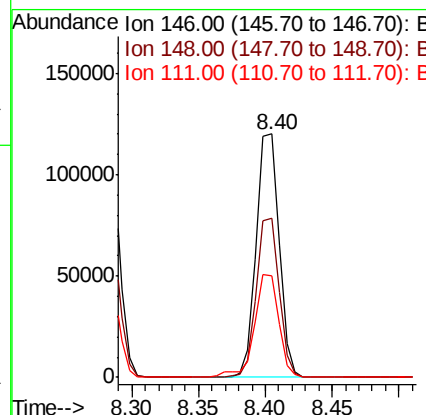
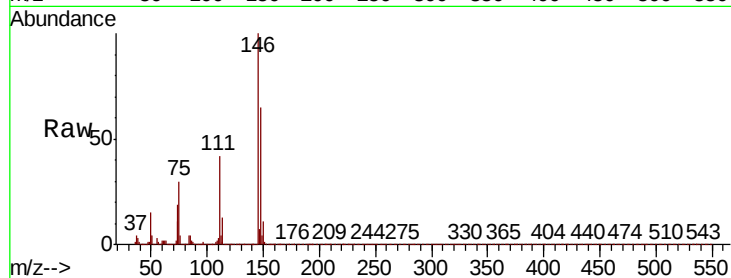
Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:146 Resp: 140897

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.5	77.3
111	41.8	33.8	50.6



#14

1,2-Dichlorobenzene

Concen: 7.766 ng

RT: 8.64 min Scan# 1114

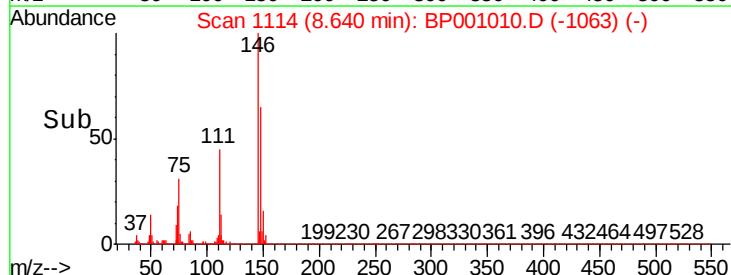
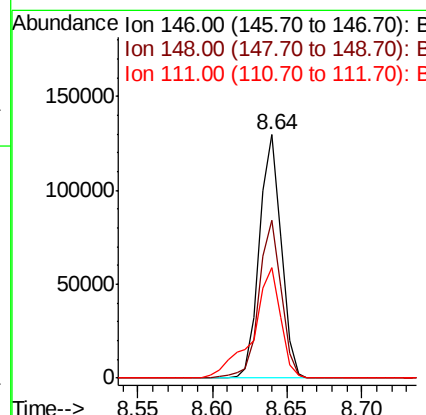
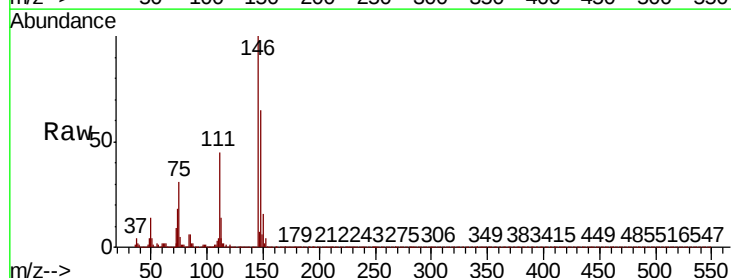
Delta R.T. -0.00 min

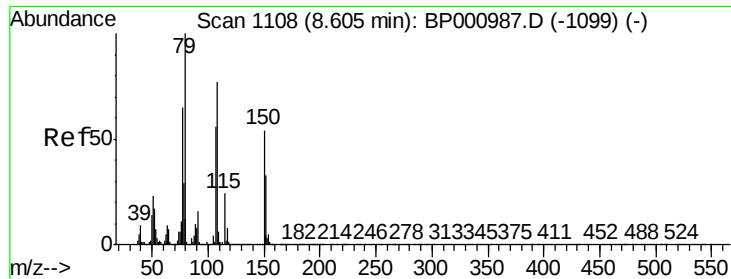
Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Tgt Ion:146 Resp: 129170

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.0
111	45.3	35.6	53.4

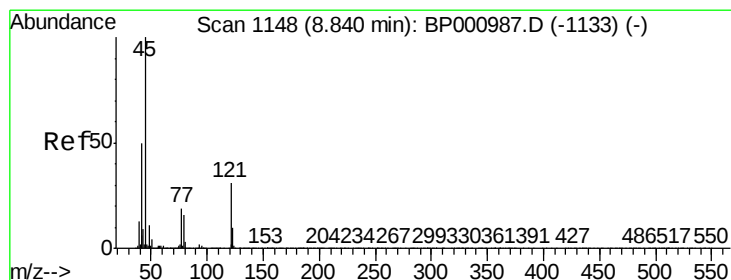
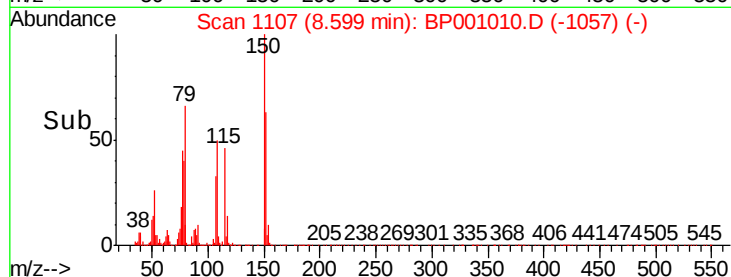
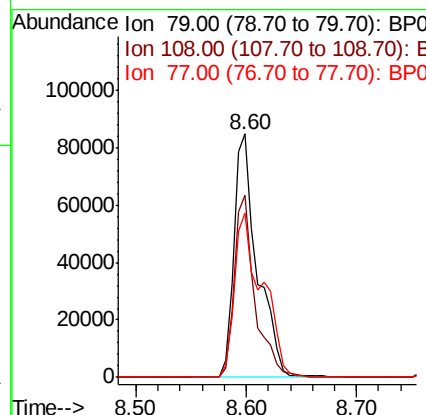
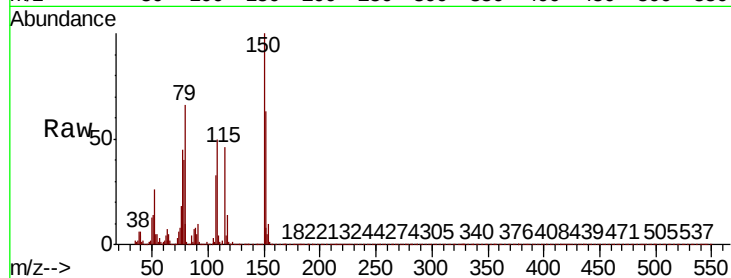




#15
Benzyl Alcohol
Concen: 9.744 ng
RT: 8.60 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

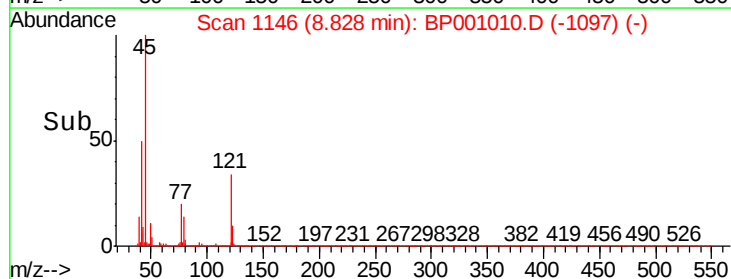
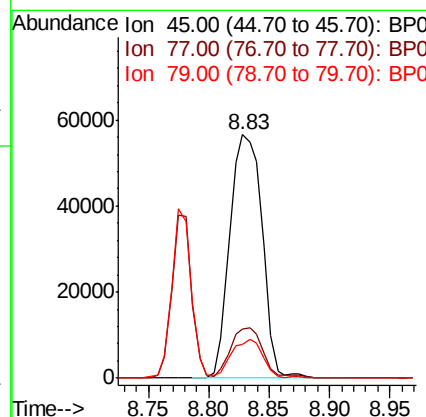
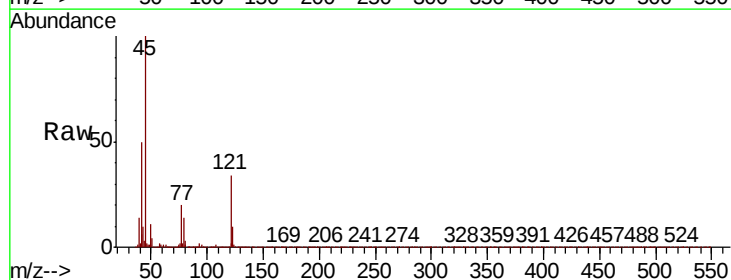
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

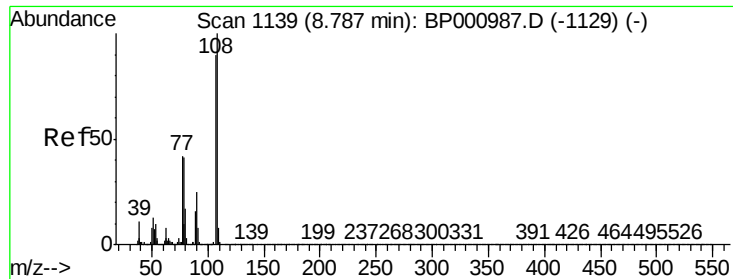
Tot Ion	Ratio	Lower	Upper
79	100		
108	75.0	62.0	93.0
77	67.6	51.9	77.9



#16
2,2'-oxybis(1-chloropropane)
Concen: 6.966 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
45	100		
77	20.3	0.0	39.1
79	13.8	0.0	35.9

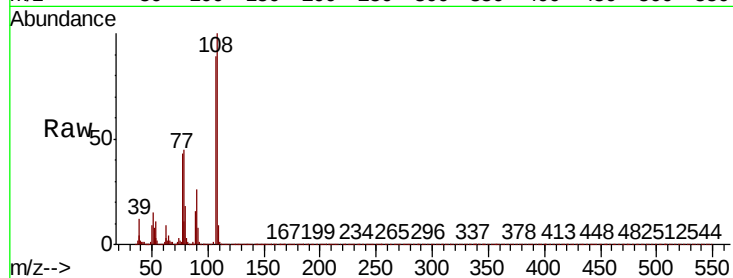




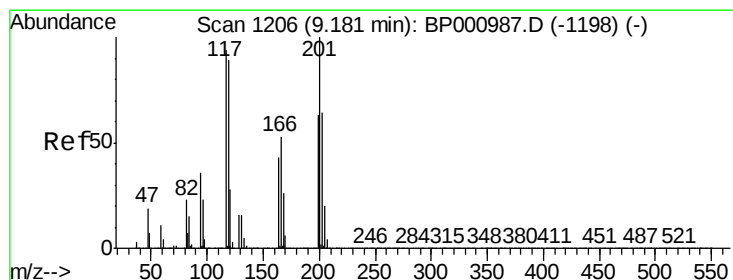
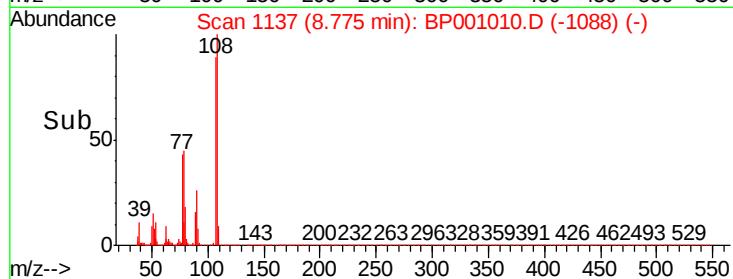
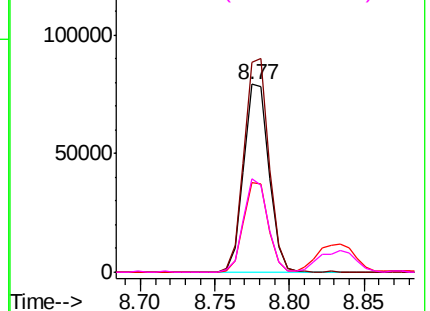
#17
2-Methylphenol
Concen: 7.705 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	107	Resp:	93101
Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.3	133.9
77	47.8	37.2	55.8
79	49.9	37.0	55.4

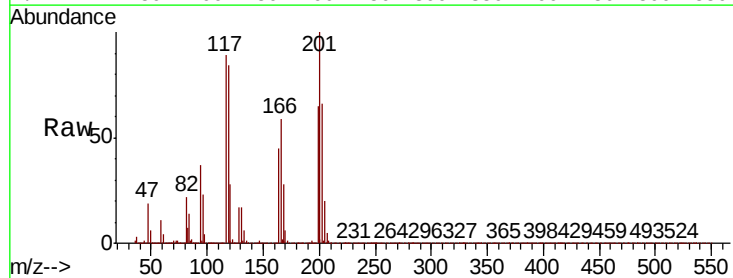


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BP0
Ion 79.00 (78.70 to 79.70): BP0

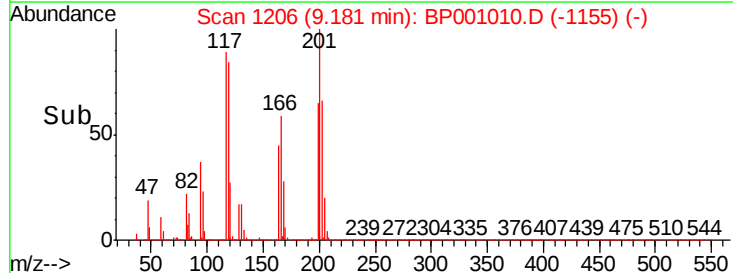
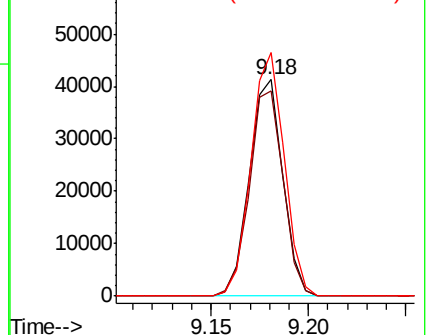


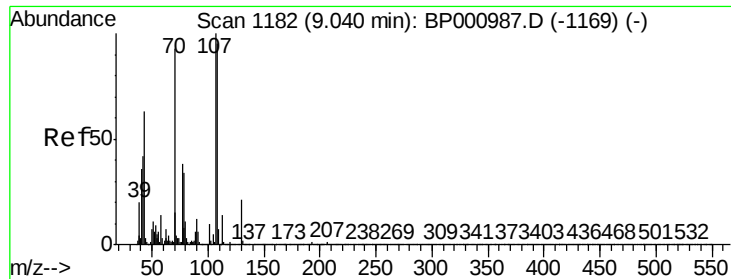
#18
Hexachloroethane
Concen: 7.419 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:	117	Resp:	49013
Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.5	113.3
201	112.4	84.9	127.3



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: 7.334 ng

RT: 9.03 min Scan# 1180

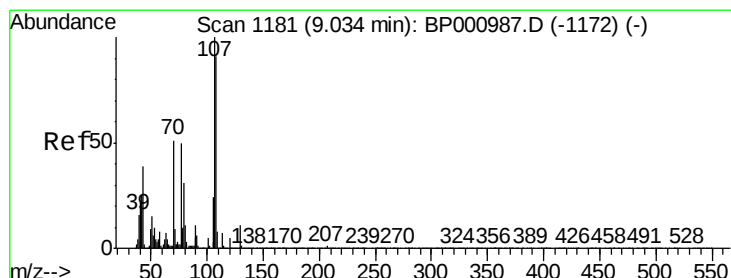
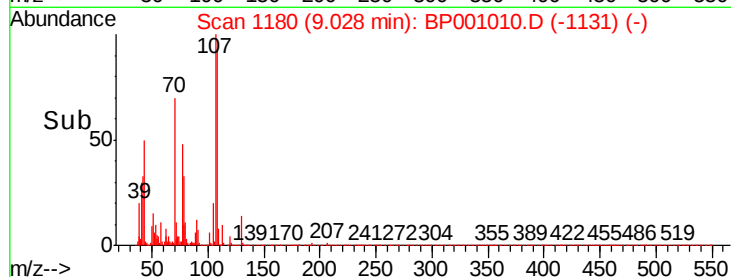
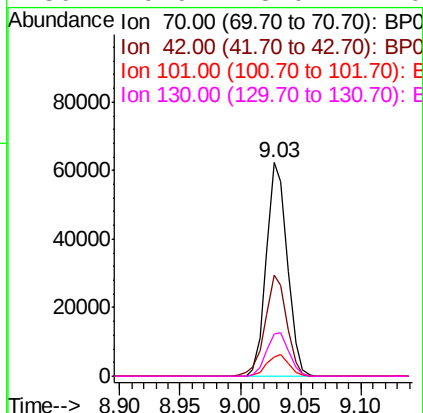
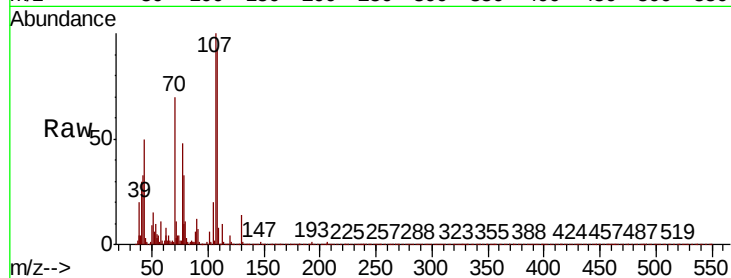
Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	70	Resp:	74747
Ion	Ratio	Lower	Upper
70	100		
42	47.1	36.3	54.5
101	8.9	8.7	13.1
130	19.9	18.0	27.0



#20

3+4-Methylphenols

Concen: 8.093 ng

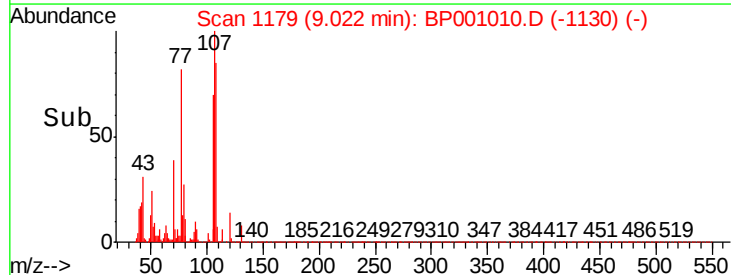
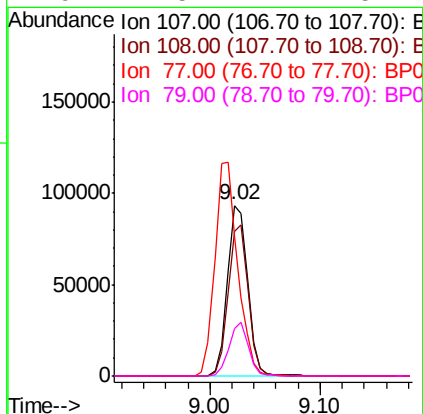
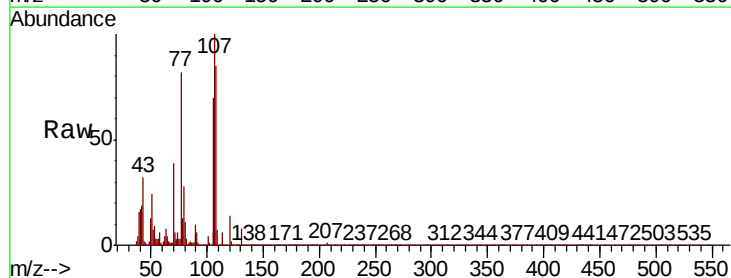
RT: 9.02 min Scan# 1179

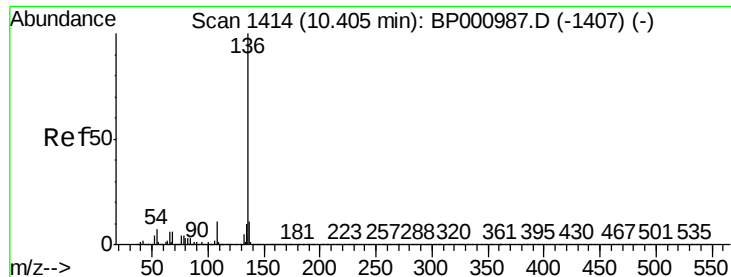
Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Tgt Ion:	107	Resp:	121321
Ion	Ratio	Lower	Upper
107	100		
108	84.6	71.1	111.1
77	81.6	29.8	69.8#
79	27.5	11.1	51.1

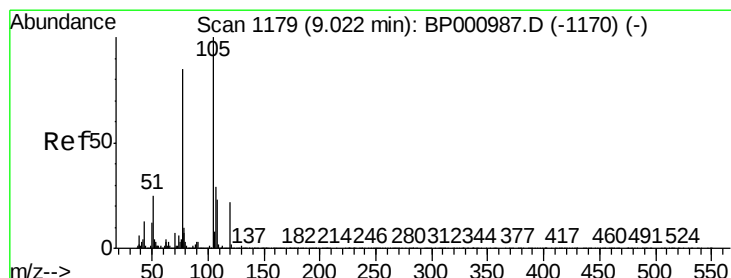
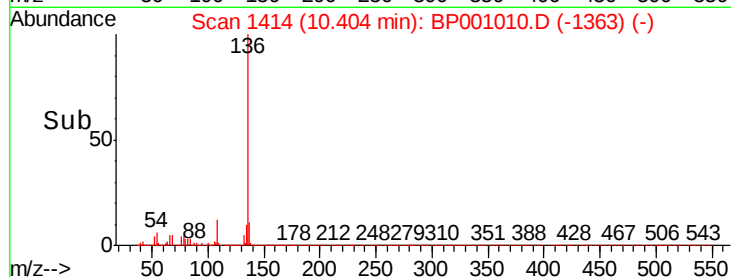
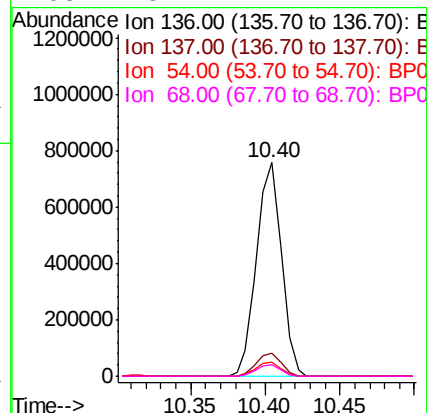
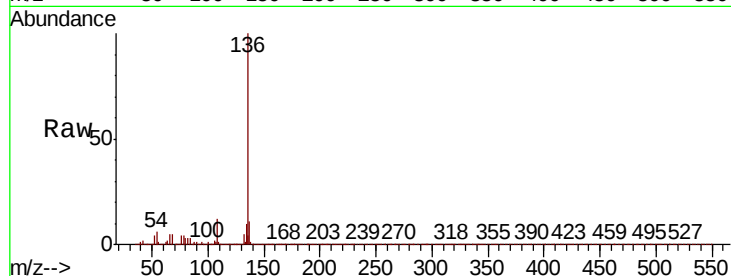




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

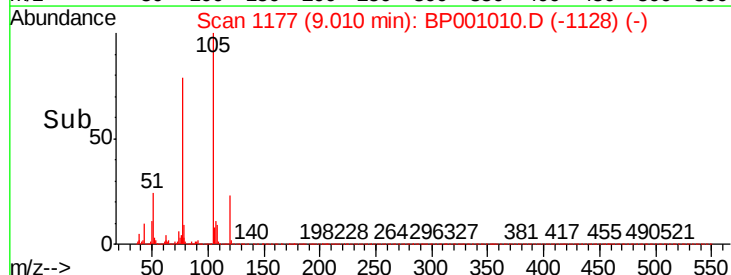
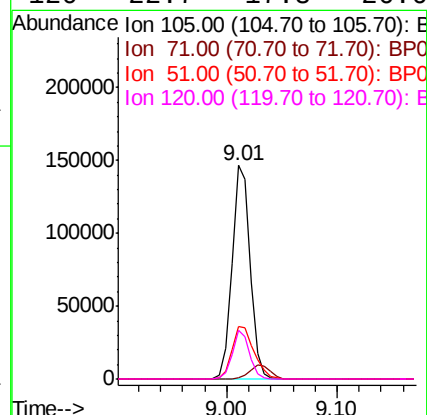
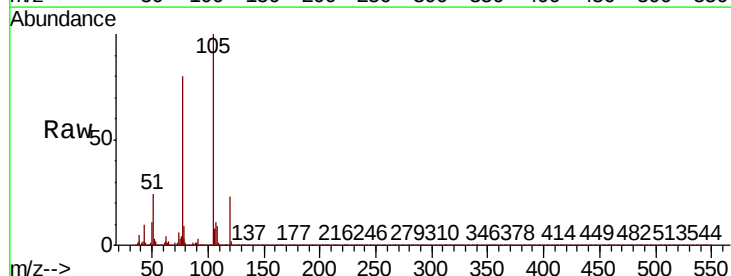
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

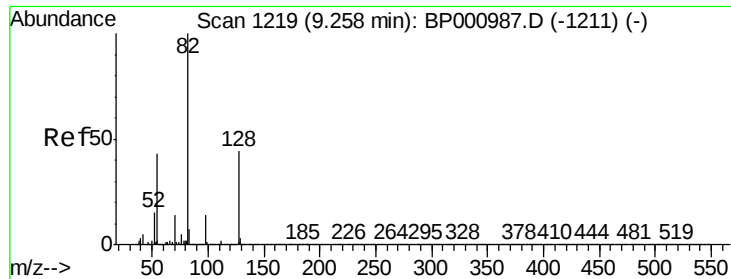
Tot Ion:136	Resp:	874081	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.0	13.6	
54 6.3	5.4	8.2	
68 5.4	4.7	7.1	



#22
Acetophenone
Concen: 7.441 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt	Ion:105	Resp:	167971
Ion	Ratio	Lower	Upper
105	100		
71	0.4	1.0	1.4#
51	24.4	19.9	29.9
120	22.7	17.8	26.6

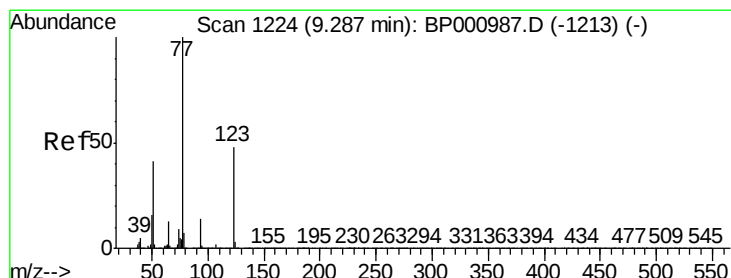
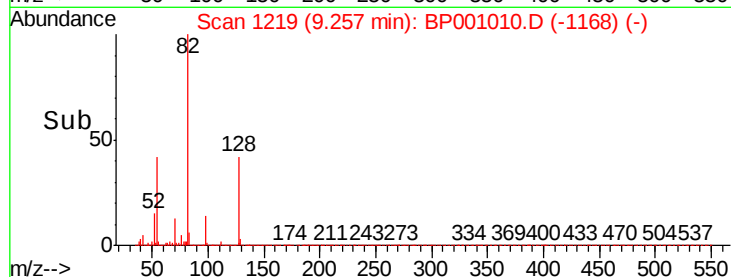
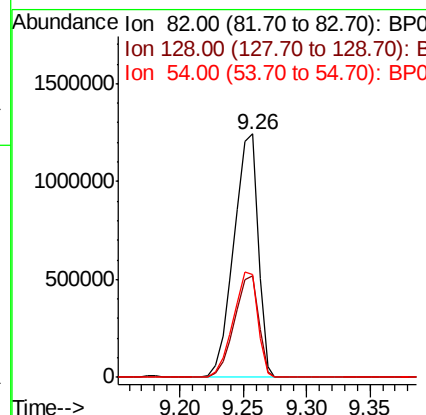
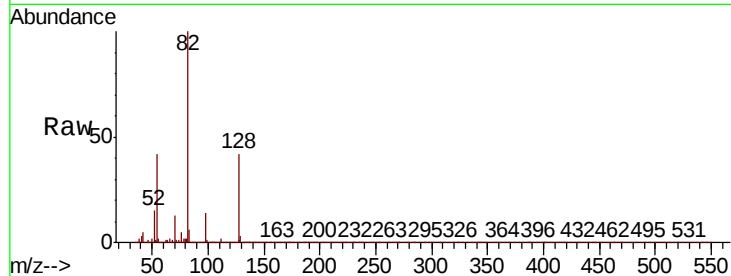




#23
Nitrobenzene-d5
Concen: 103.685 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

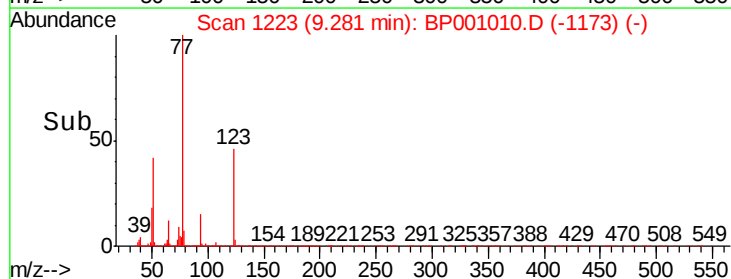
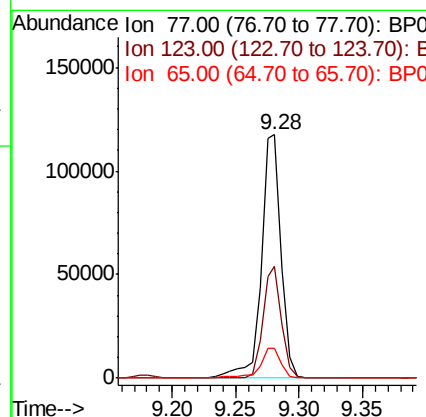
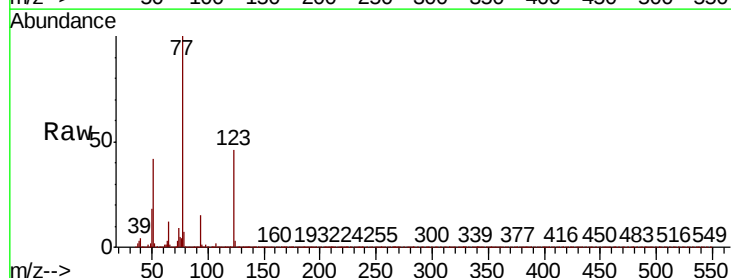
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

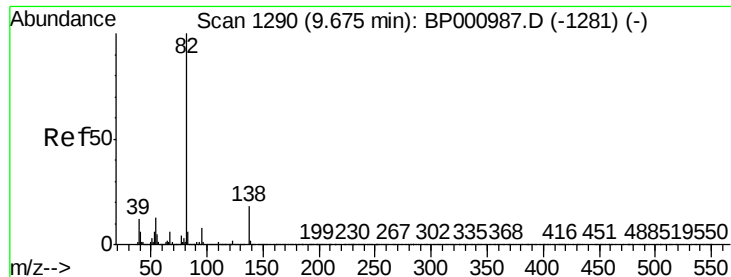
Tot Ion: 82 Resp: 1638375
Ion Ratio Lower Upper
82 100
128 41.9 35.3 52.9
54 42.2 34.3 51.5



#24
Nitrobenzene
Concen: 8.091 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion: 77 Resp: 128284
Ion Ratio Lower Upper
77 100
123 45.7 38.1 57.1
65 12.3 10.2 15.2

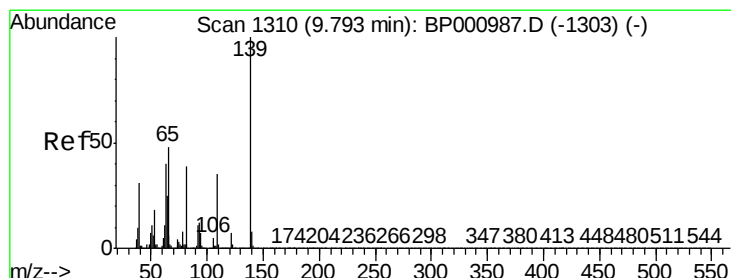
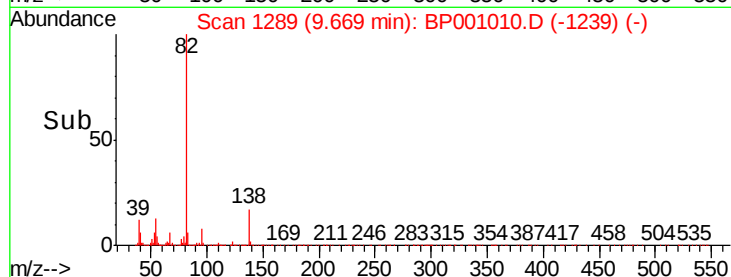
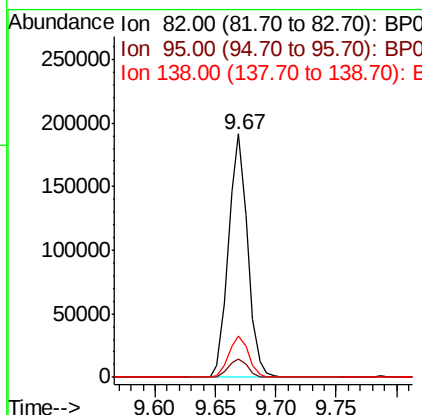
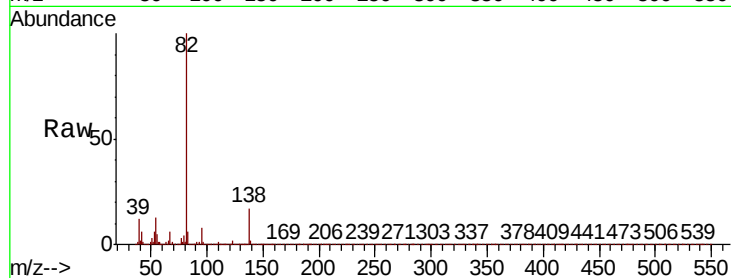




#25
Isophorone
Concen: 7.229 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

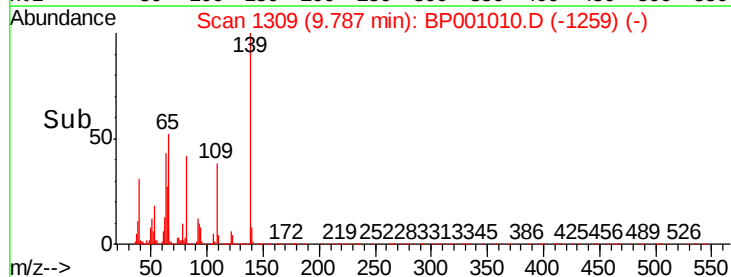
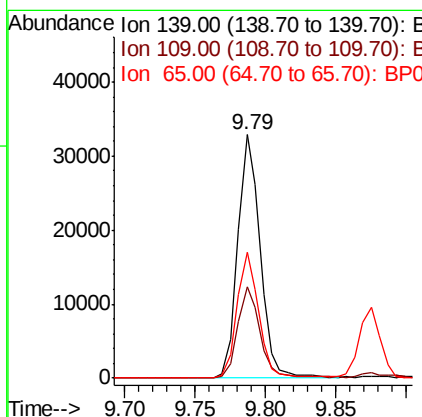
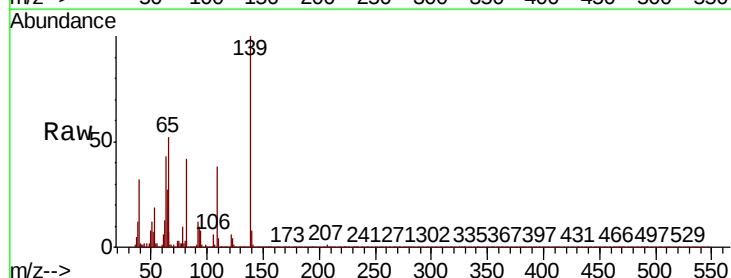
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

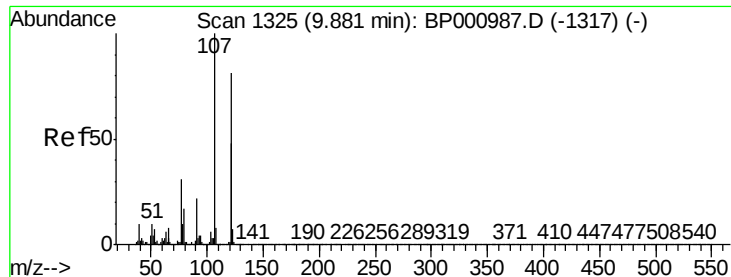
Tot Ion	Ratio	Lower	Upper
82	100		
95	7.7	6.2	9.4
138	17.1	14.2	21.4



#26
2-Nitrophenol
Concen: 6.142 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	37.5	27.7	41.5
65	51.9	38.2	57.4





#27

2,4-Dimethylphenol

Concen: 8.343 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

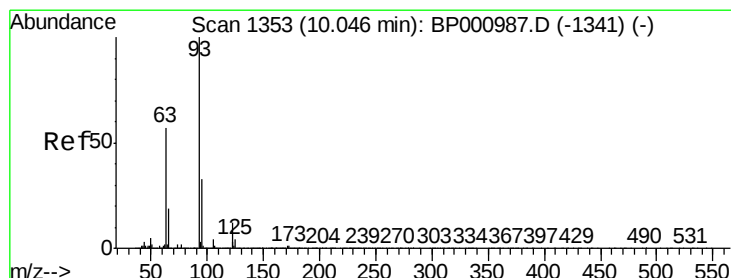
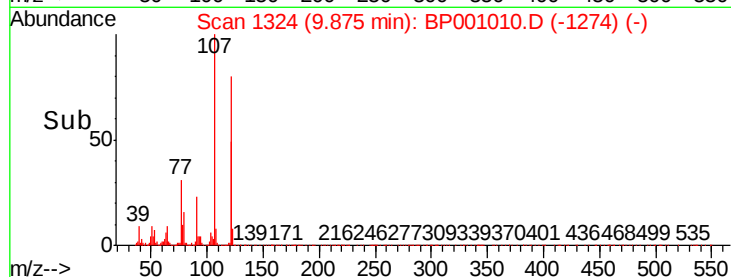
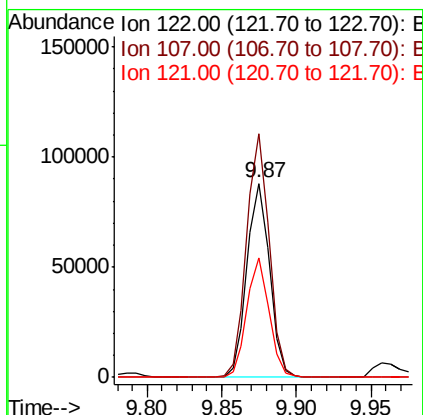
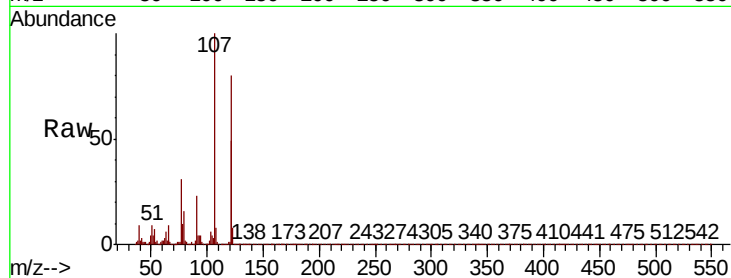
Tot Ion:122 Resp: 92569

Ion Ratio Lower Upper

122 100

107 125.6 99.3 148.9

121 61.7 47.9 71.9



#28

bis(2-Chloroethoxy)methane

Concen: 7.067 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

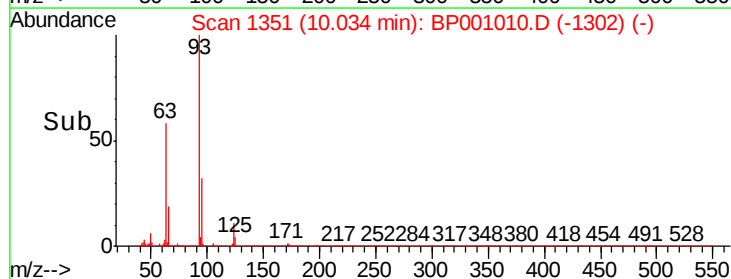
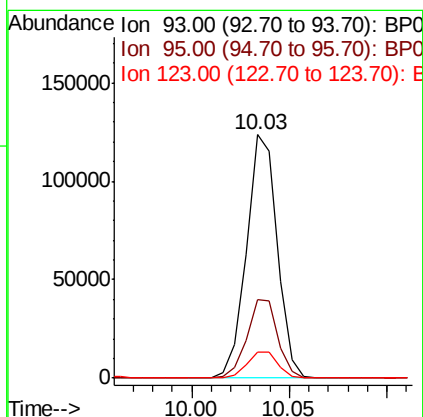
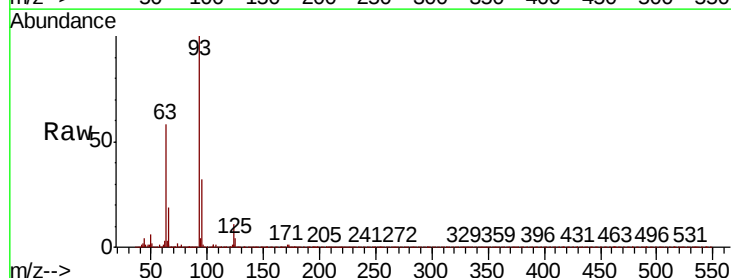
Tgt Ion: 93 Resp: 134378

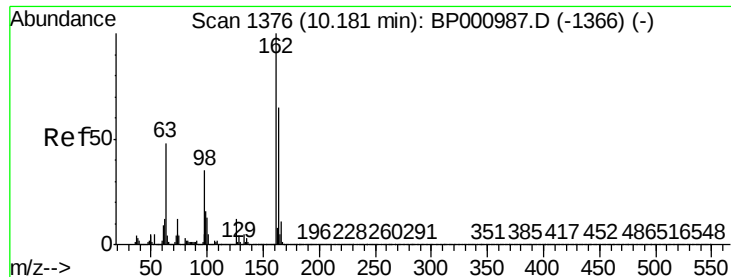
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 10.9 9.6 14.4

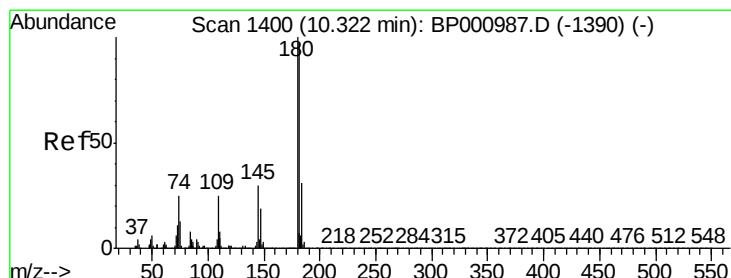
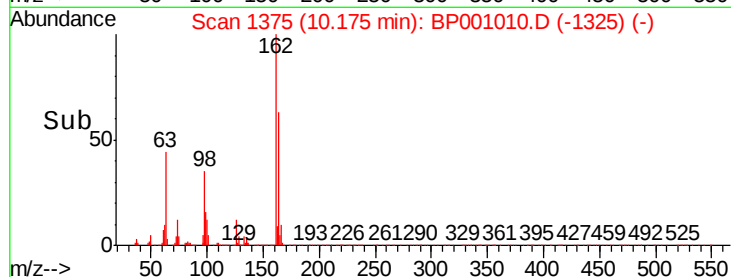
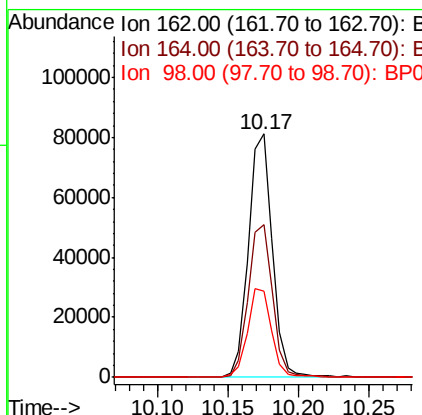
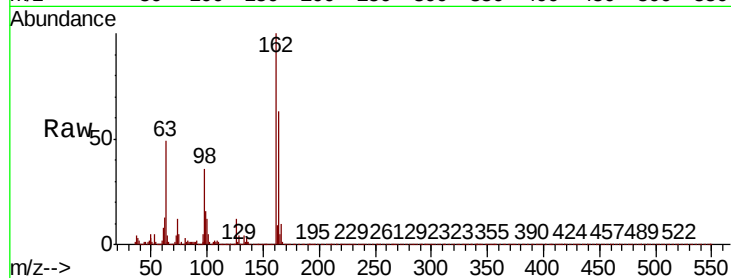




#29
2,4-Dichlorophenol
Concen: 7.237 ng
RT: 10.17 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

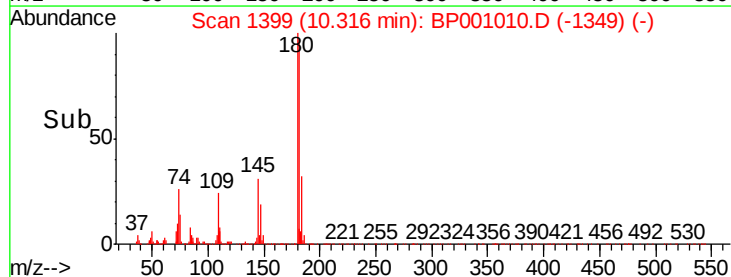
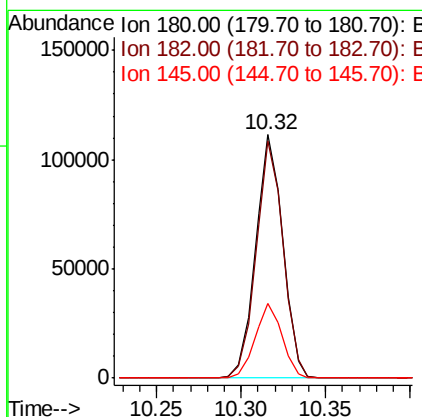
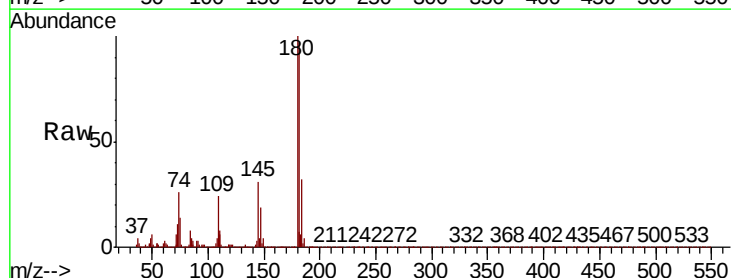
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

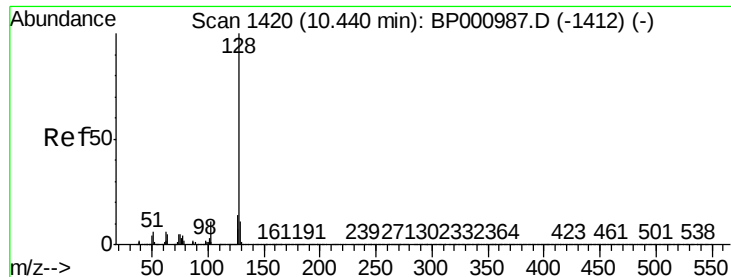
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.0	44.5	84.5
98	35.6	15.2	55.2



#30
1,2,4-Trichlorobenzene
Concen: 7.569 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.8	116.6
145	30.5	24.2	36.4

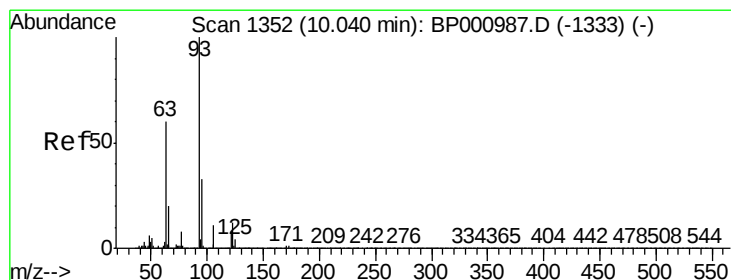
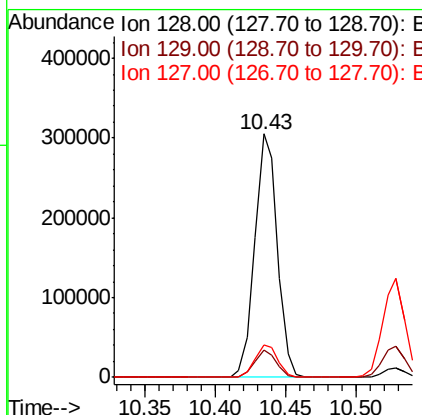
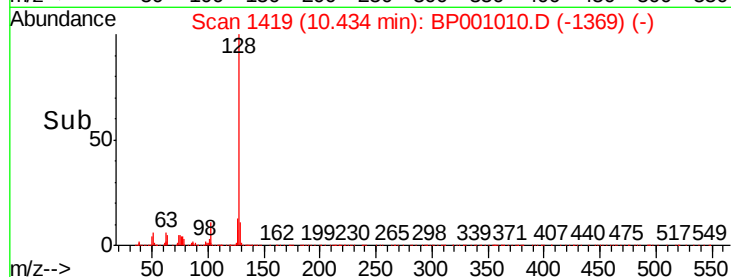
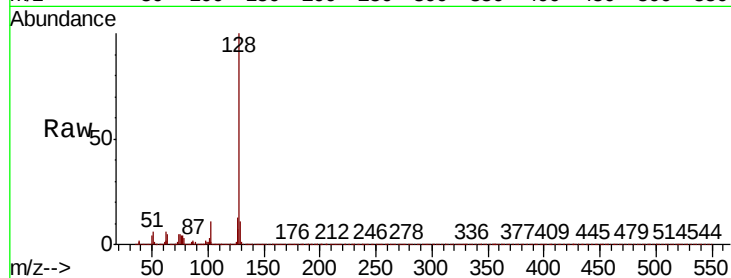




#31
Naphthalene
Concen: 7.844 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

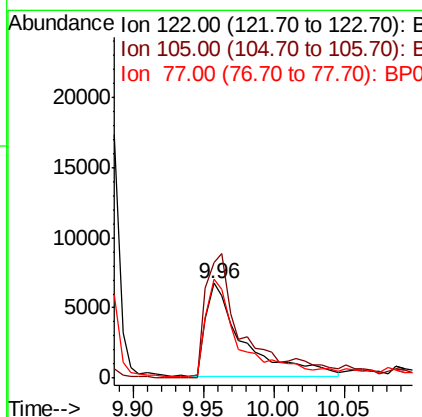
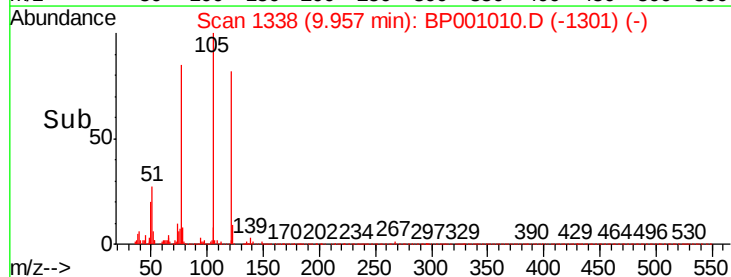
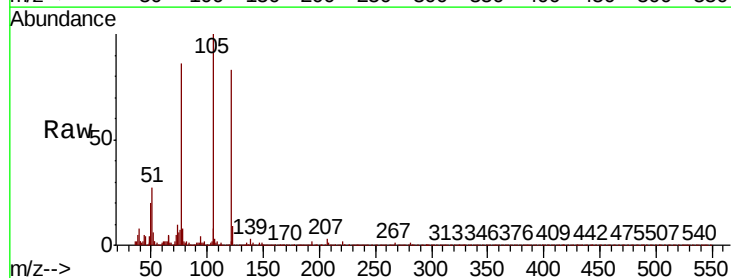
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

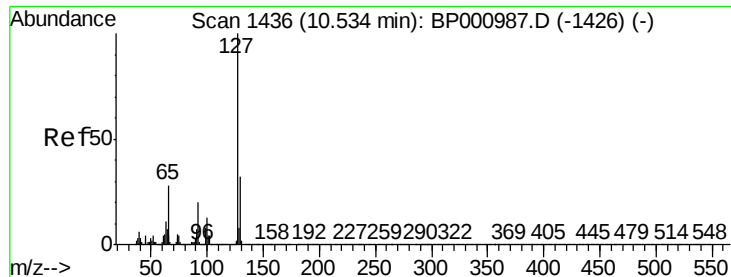
Tot Ion:128 Resp: 342577
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.5 10.8 16.2



#32
Benzoic acid
Concen: 2.082 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.08 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:122 Resp: 12503
Ion Ratio Lower Upper
122 100
105 121.1 110.5 150.5
77 104.3 77.9 117.9

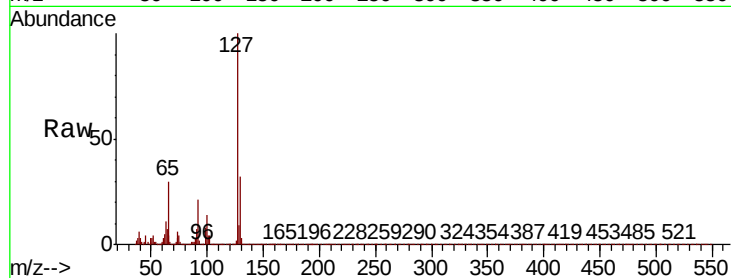




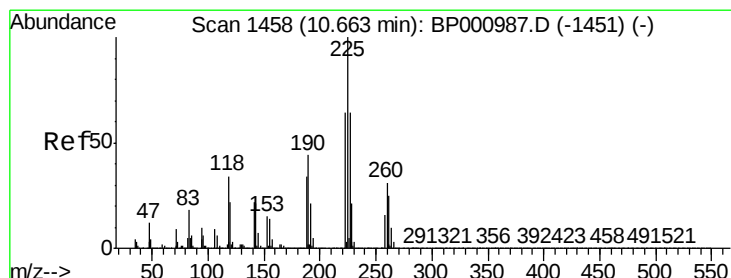
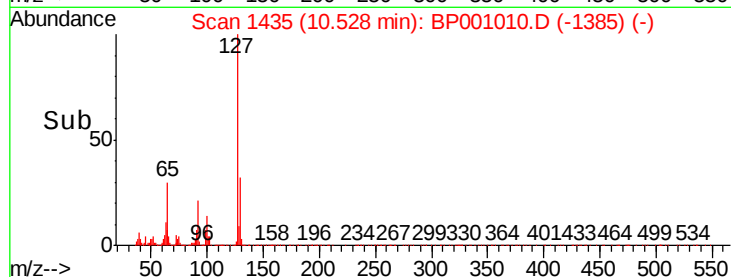
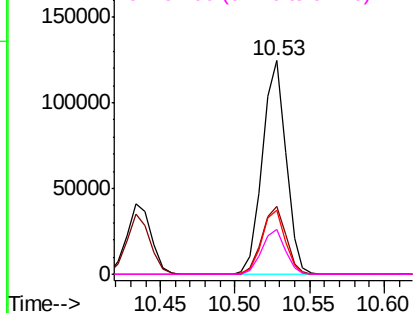
#33
4-Chloroaniline
Concen: 7.256 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	127	Resp:	135879
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	30.2	22.7	34.1
92	20.8	15.8	23.6

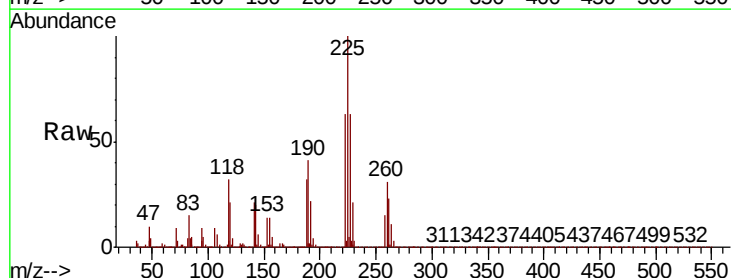


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BP0
Ion 92.00 (91.70 to 92.70): BP0

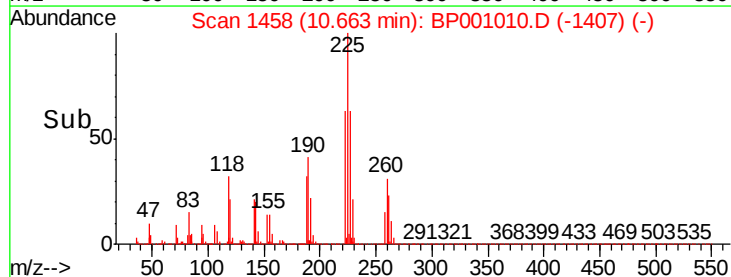
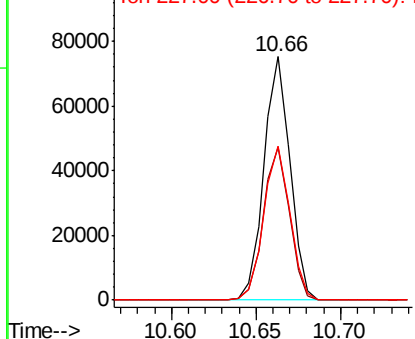


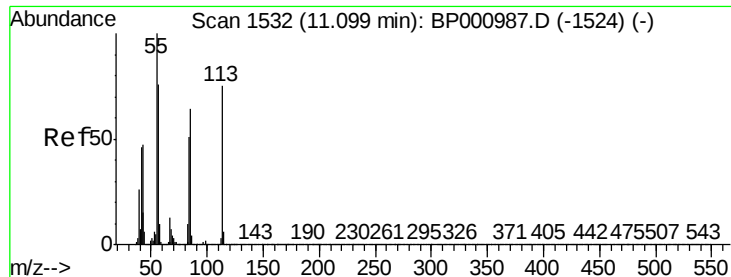
#34
Hexachlorobutadiene
Concen: 7.420 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:	225	Resp:	80654
Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.1	76.7
227	63.2	51.4	77.2



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

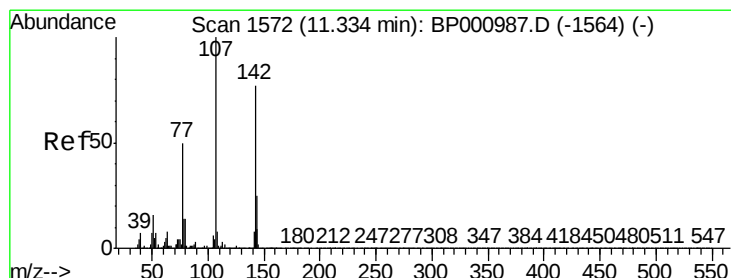
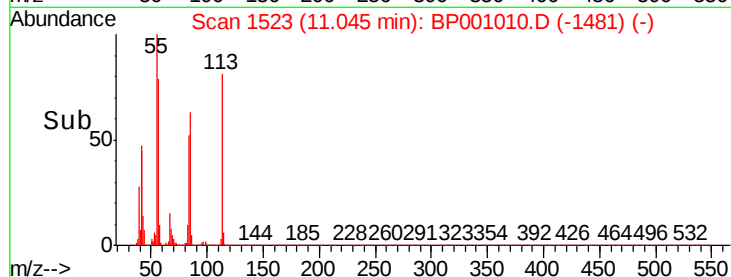
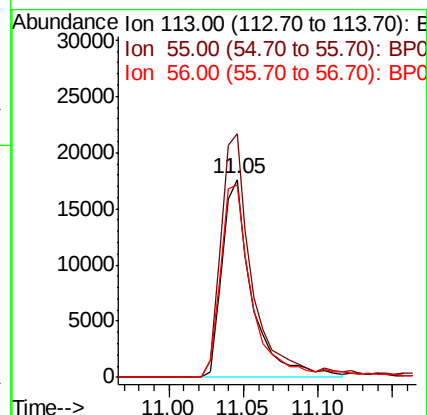
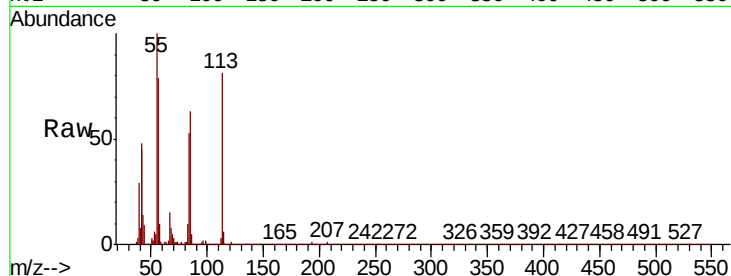




#35
Caprolactam
Concen: 5.865 ng
RT: 11.05 min Scan# 1523
Delta R.T. -0.05 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

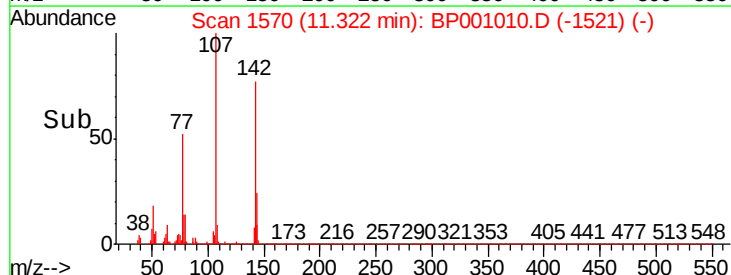
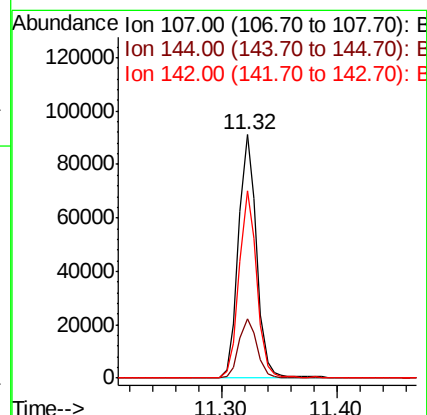
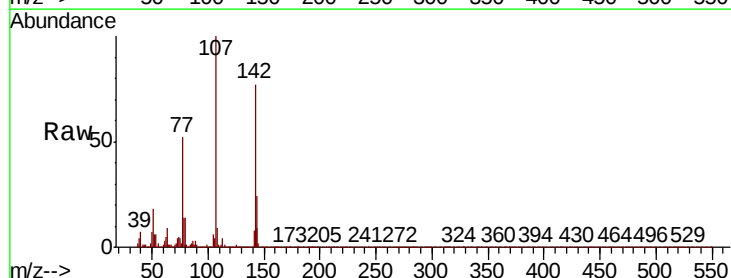
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

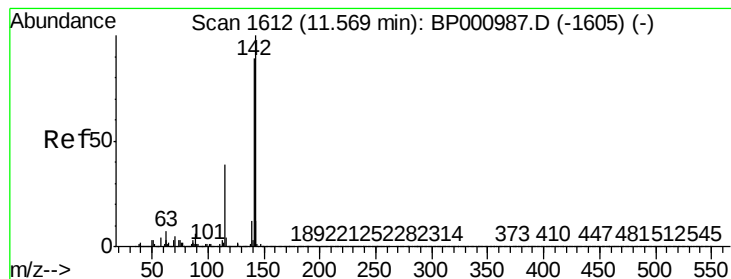
Tot Ion:113 Resp: 24791
Ion Ratio Lower Upper
113 100
55 123.2 114.2 154.2
56 97.5 81.9 121.9



#36
4-Chloro-3-methylphenol
Concen: 7.163 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:107 Resp: 99604
Ion Ratio Lower Upper
107 100
144 24.2 20.0 30.0
142 76.7 61.9 92.9





#37

2-Methylnaphthalene

Concen: 7.764 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

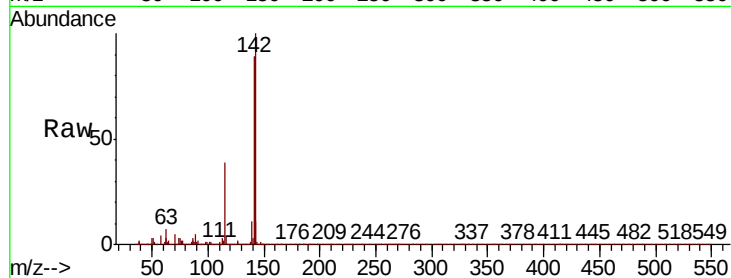
Tot Ion:142 Resp: 237322

Ion Ratio Lower Upper

142 100

141 89.2 71.5 107.3

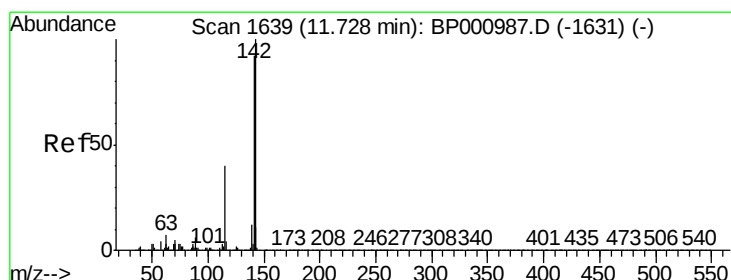
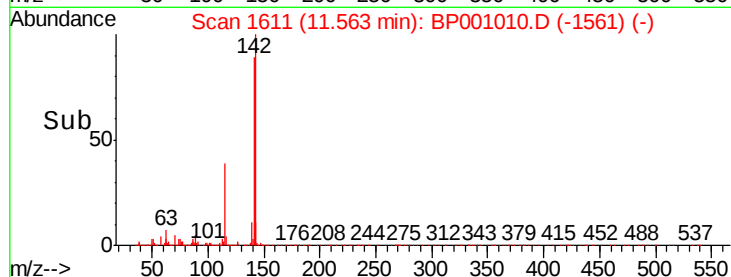
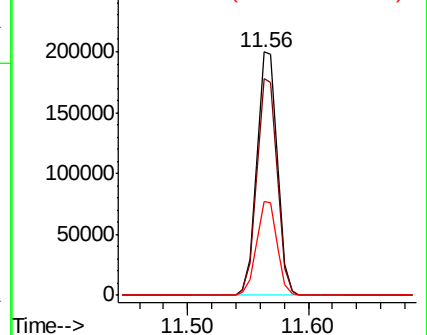
115 38.8 30.8 46.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 7.832 ng

RT: 11.72 min Scan# 1638

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

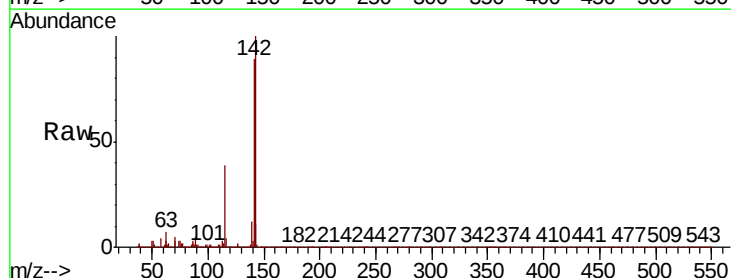
Tgt Ion:142 Resp: 226203

Ion Ratio Lower Upper

142 100

141 89.4 73.9 110.9

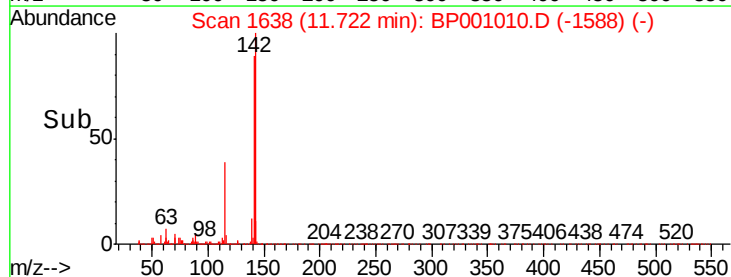
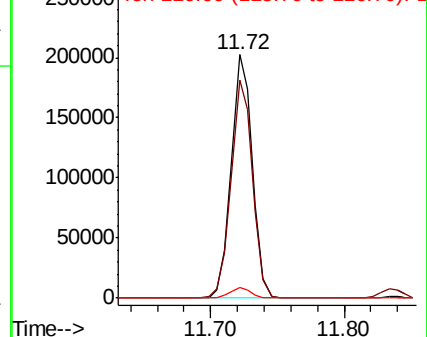
116 4.2 3.4 5.0

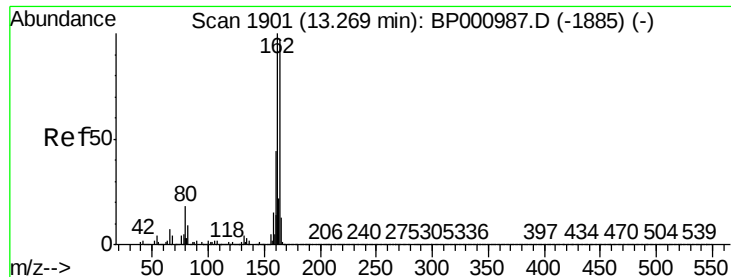


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.26 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

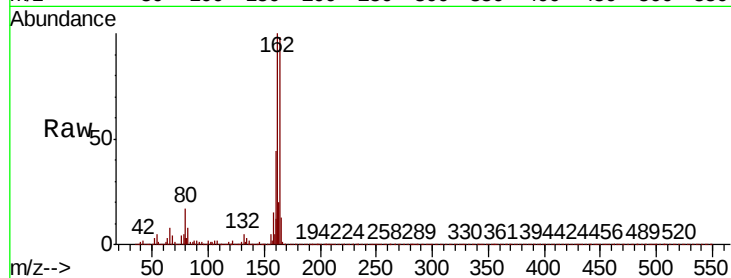
Tot Ion:164 Resp: 485981

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

160 44.6 36.5 54.7

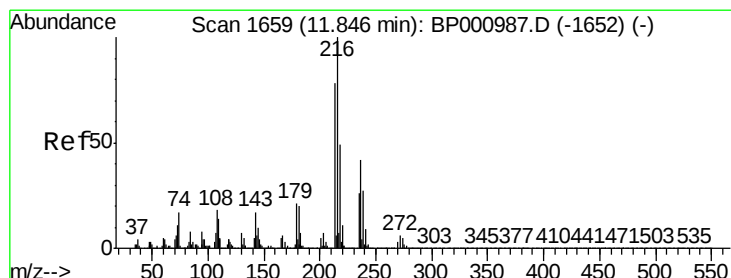
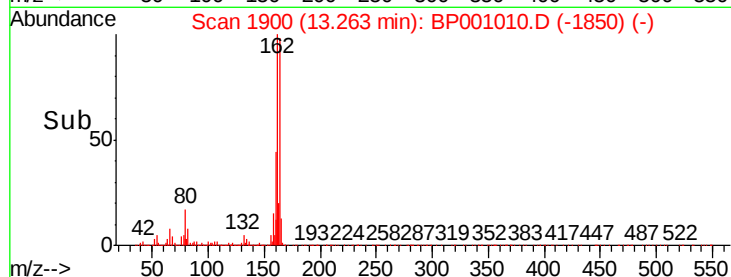
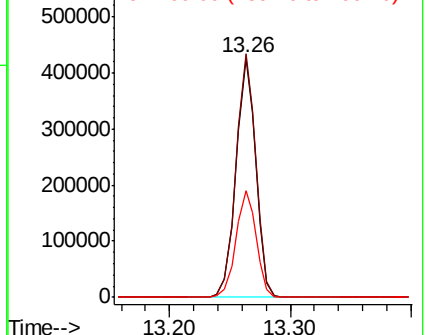


Abundance

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: 8.226 ng

RT: 11.84 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Tgt Ion:216 Resp: 133110

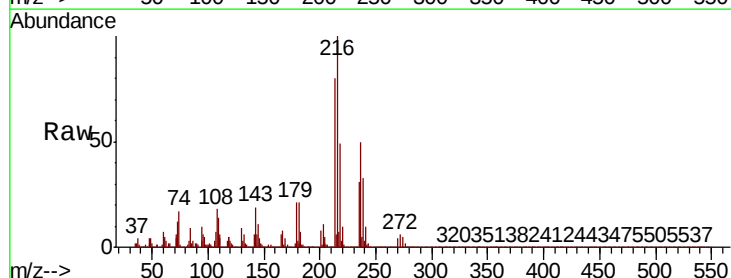
Ion Ratio Lower Upper

216 100

214 77.9 62.8 94.2

179 20.8 16.8 25.2

108 18.4 14.6 21.8



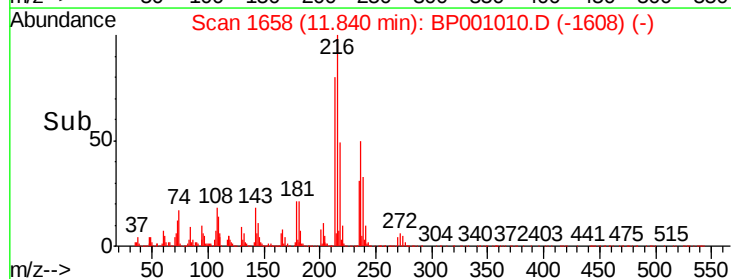
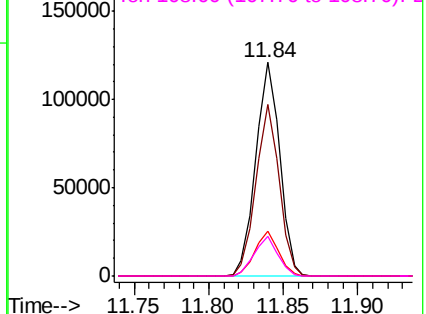
Abundance

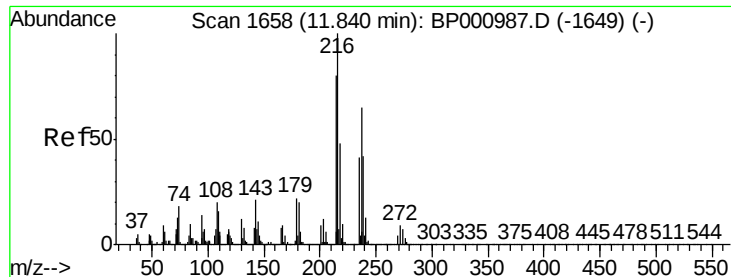
Ion 216.00 (215.70 to 216.70): E

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: 8.520 ng

RT: 11.84 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

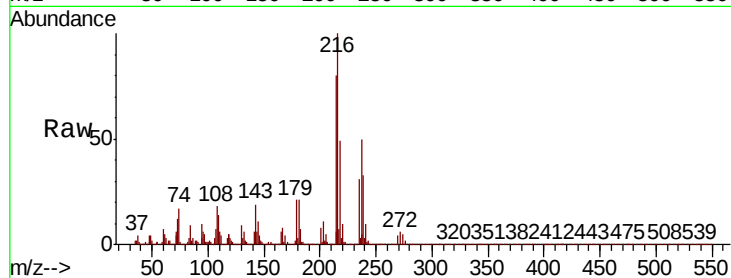
Tot Ion:237 Resp: 69069

Ion Ratio Lower Upper

237 100

235 62.6 43.1 83.1

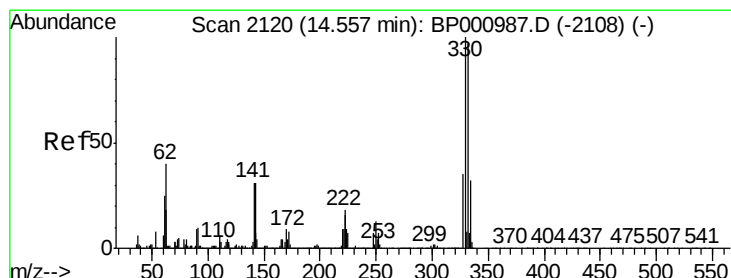
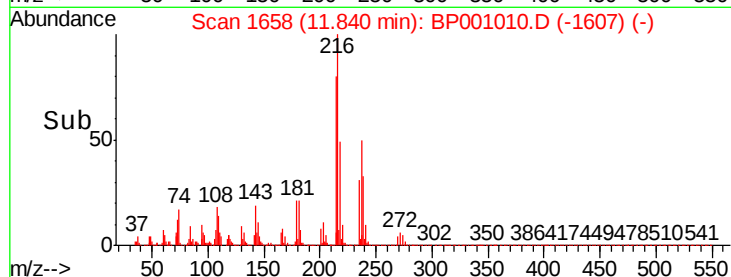
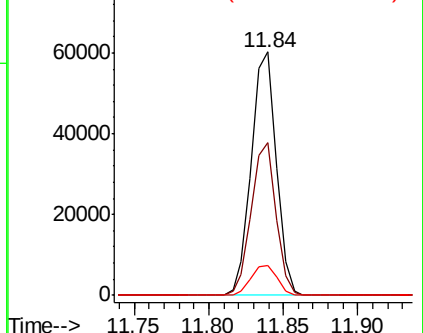
272 12.4 0.0 33.1



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 138.232 ng

RT: 14.56 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

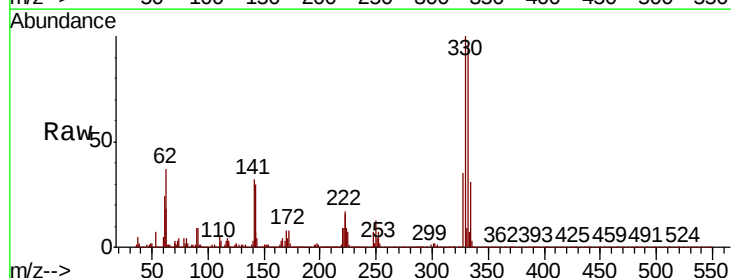
Tgt Ion:330 Resp: 801953

Ion Ratio Lower Upper

330 100

332 96.0 78.3 117.5

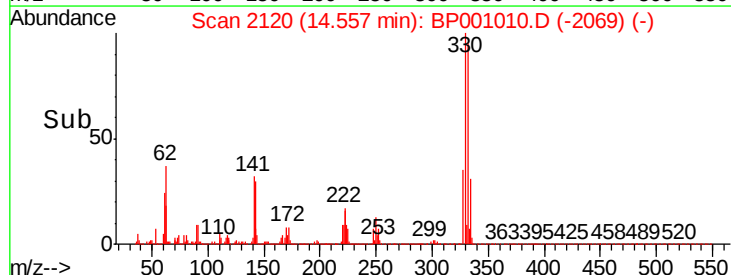
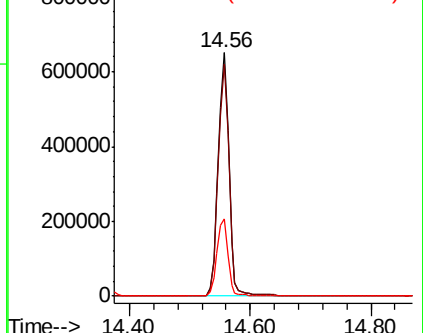
141 32.7 25.0 37.4

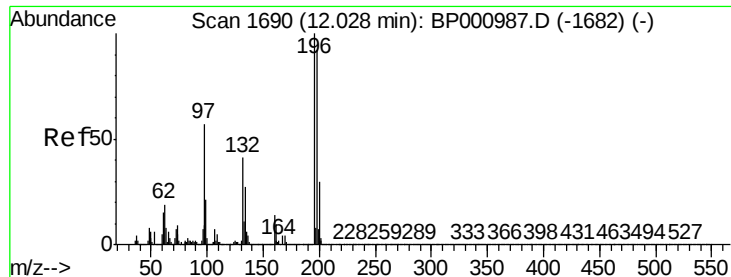


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

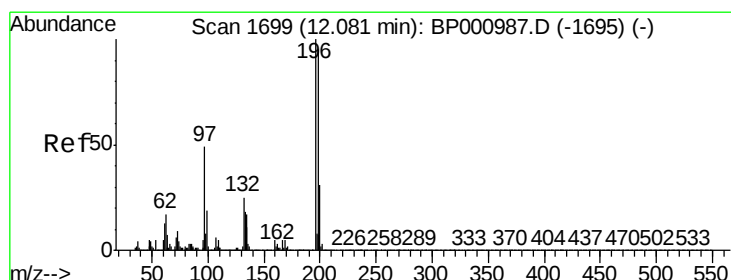
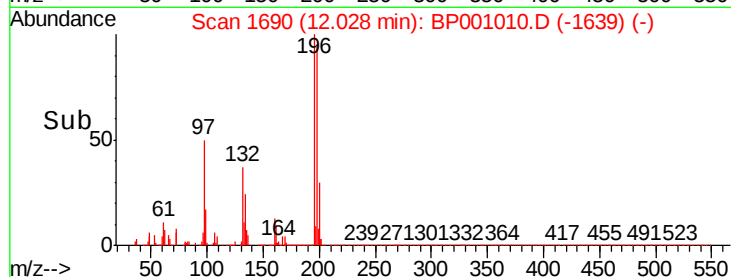
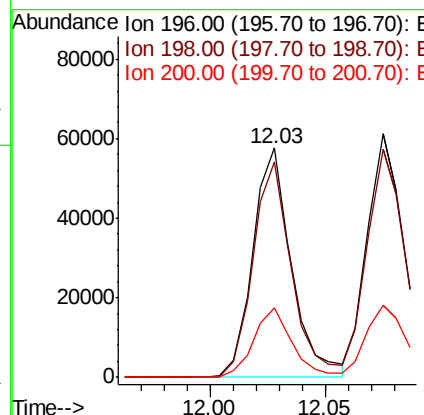
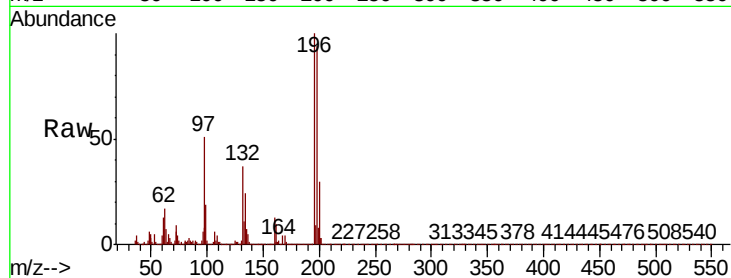




#43
2,4,6-Trichlorophenol
Concen: 6.917 ng
RT: 12.03 min Scan# 1690
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

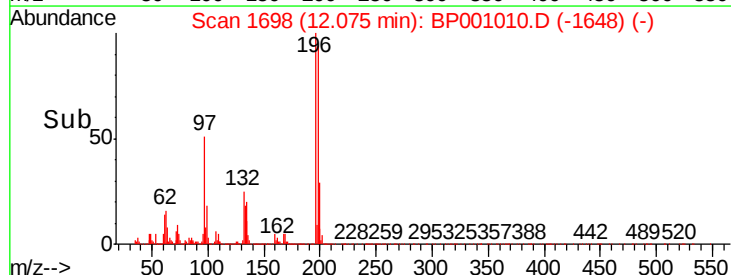
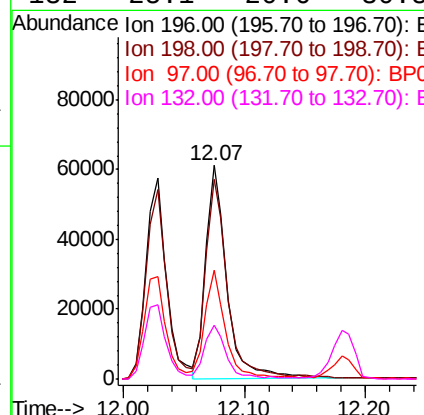
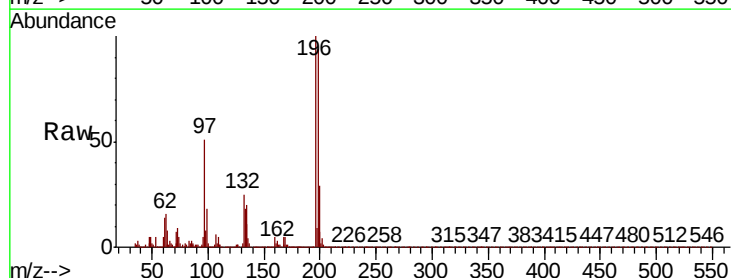
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

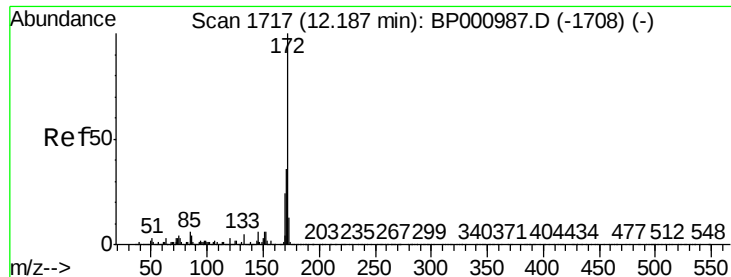
Tot Ion:196 Resp: 67489
Ion Ratio Lower Upper
196 100
198 94.2 74.0 111.0
200 30.2 24.2 36.4



#44
2,4,5-Trichlorophenol
Concen: 7.103 ng
RT: 12.07 min Scan# 1698
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:196 Resp: 74100
Ion Ratio Lower Upper
196 100
198 93.5 76.3 114.5
97 50.9 39.1 58.7
132 25.1 20.6 30.8





#45

2-Fluorobiphenyl

Concen: 103.976 ng

RT: 12.19 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

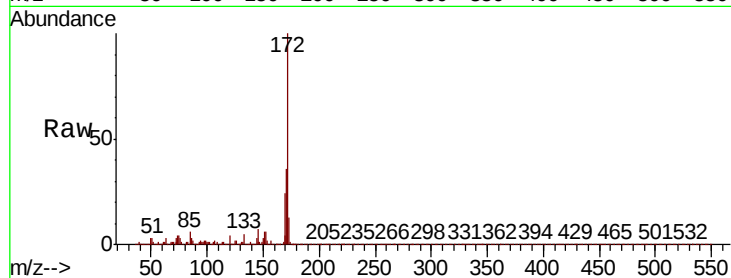
BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:172 Resp: 3355067

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.5	42.7
170	23.8	18.9	28.3

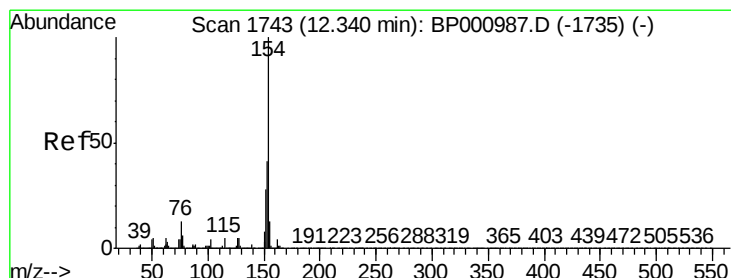
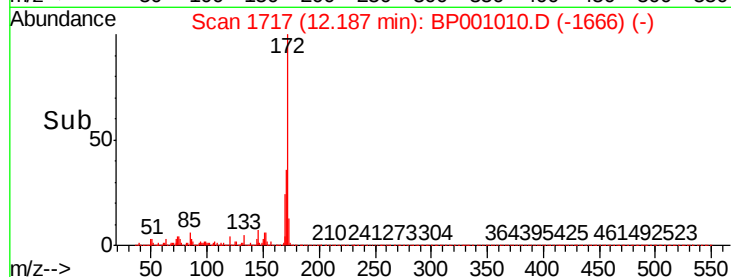
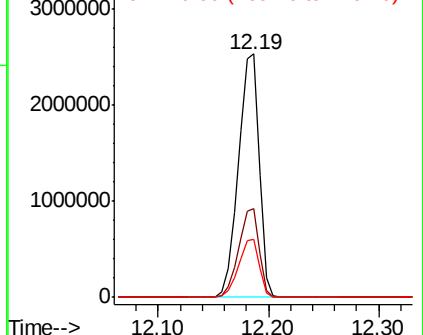


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 8.108 ng

RT: 12.33 min Scan# 1742

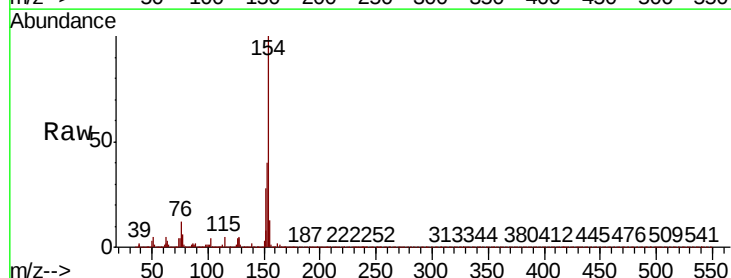
Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Tgt Ion:154 Resp: 294623

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.9	60.9
76	12.3	0.0	32.5

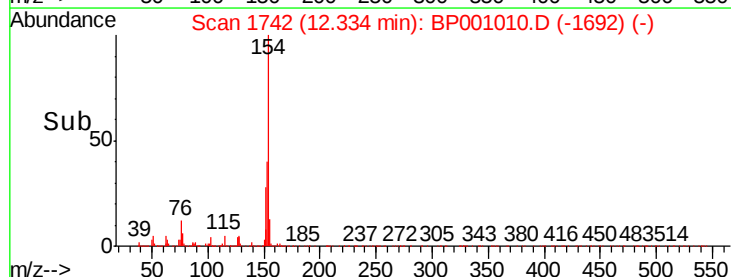
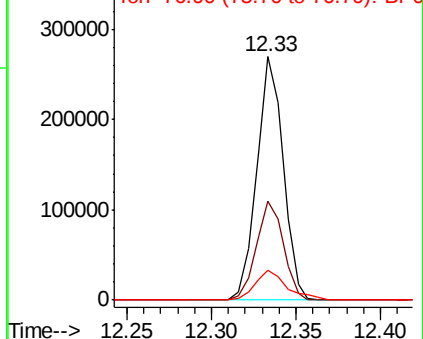


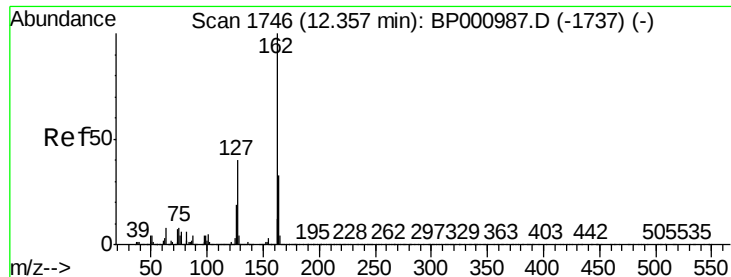
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BPO

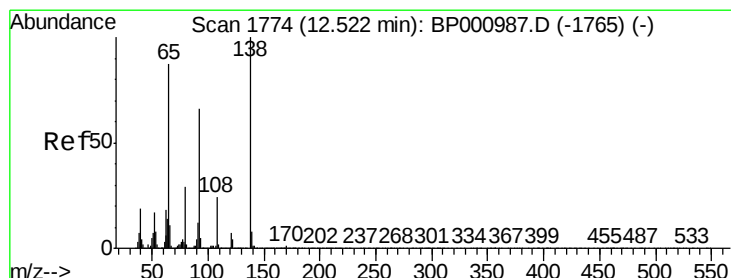
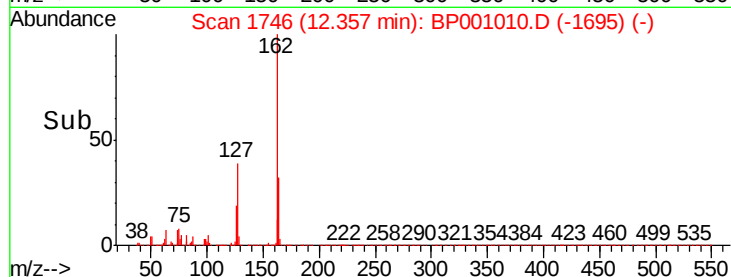
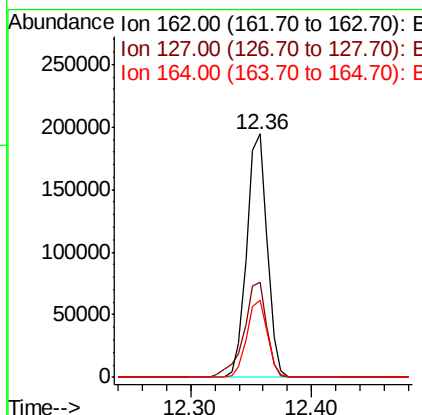
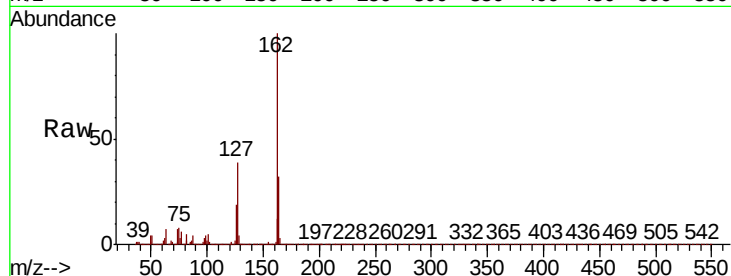




#47
2-Chloronaphthalene
Concen: 7.902 ng
RT: 12.36 min Scan# 1746
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

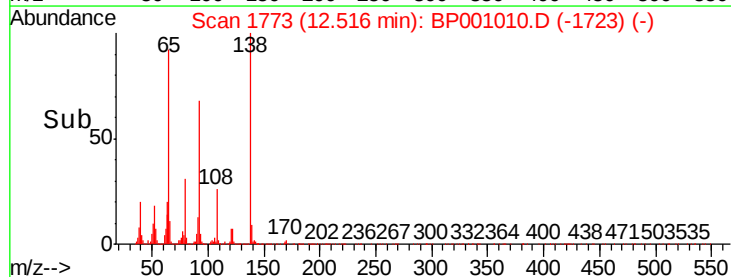
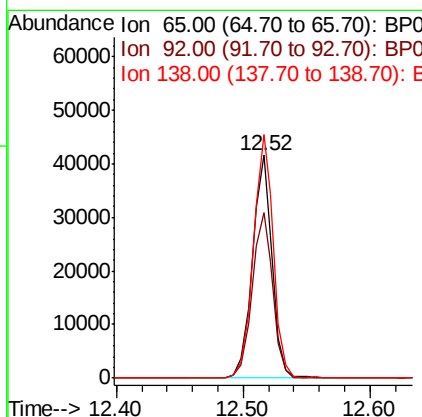
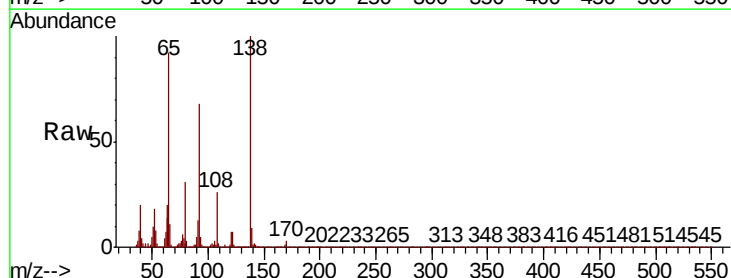
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

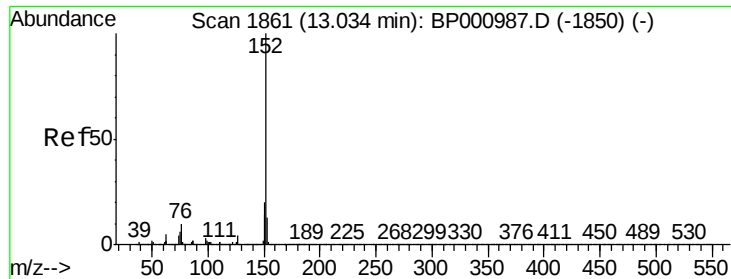
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.1	32.1	48.1
164	32.0	26.1	39.1



#48
2-Nitroaniline
Concen: 5.910 ng
RT: 12.52 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.3	61.4	92.2
138	109.2	92.5	138.7





#49

Acenaphthylene

Concen: 7.837 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

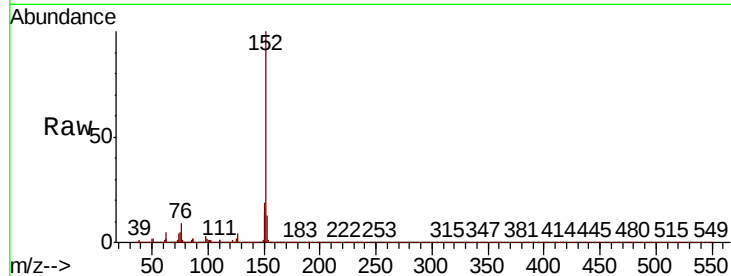
Tot Ion:152 Resp: 348512

Ion Ratio Lower Upper

152 100

151 19.2 16.0 24.0

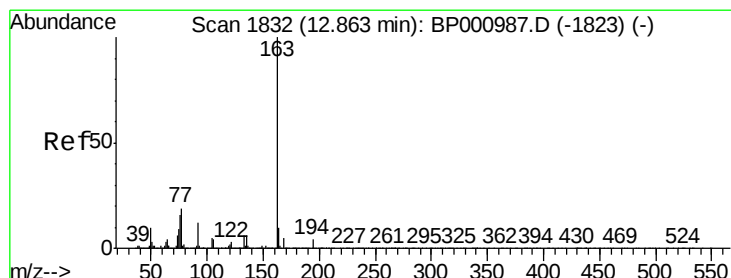
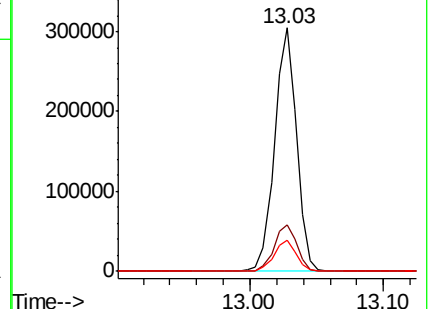
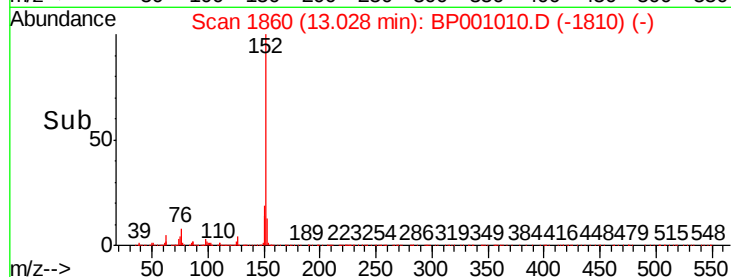
153 12.8 10.6 16.0



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: 7.249 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.02 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

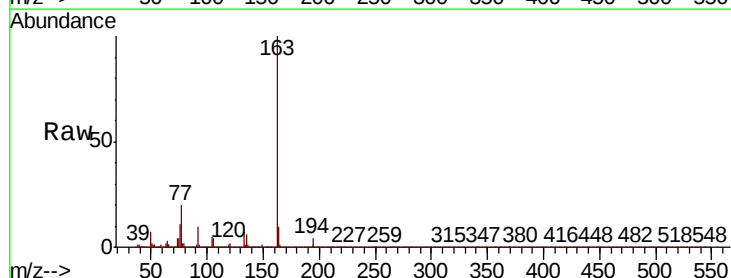
Tgt Ion:163 Resp: 260484

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

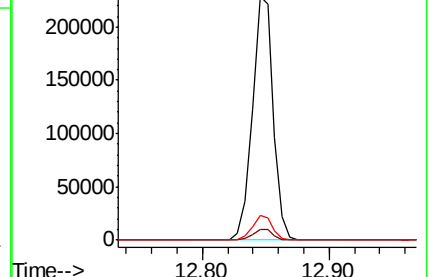
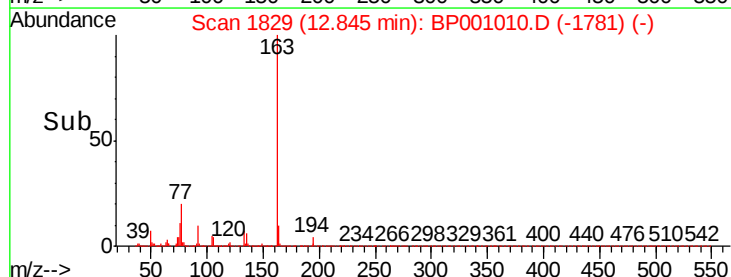
164 10.0 7.9 11.9

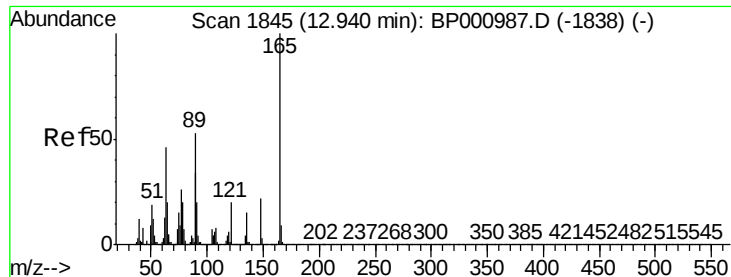


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

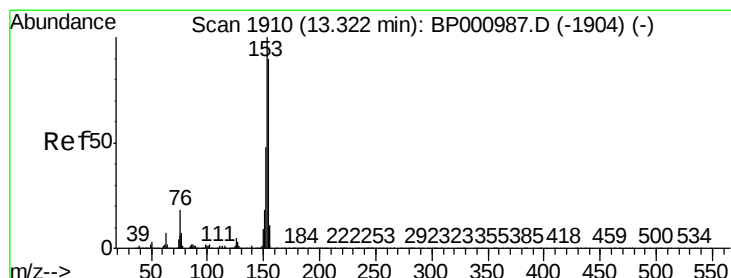
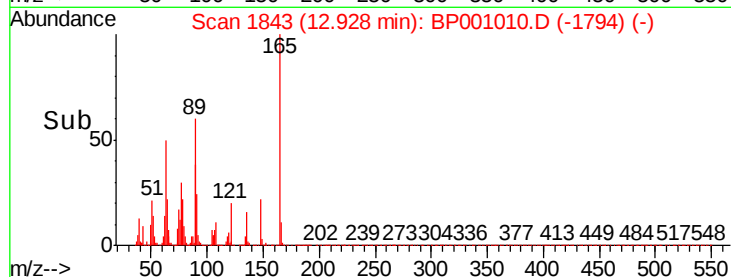
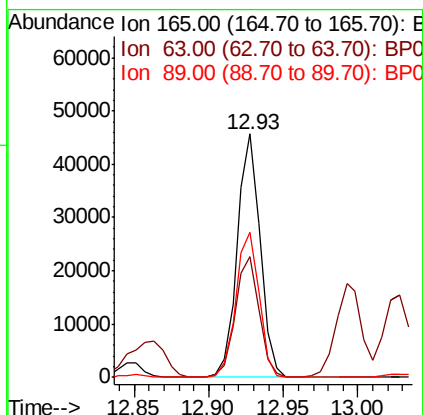
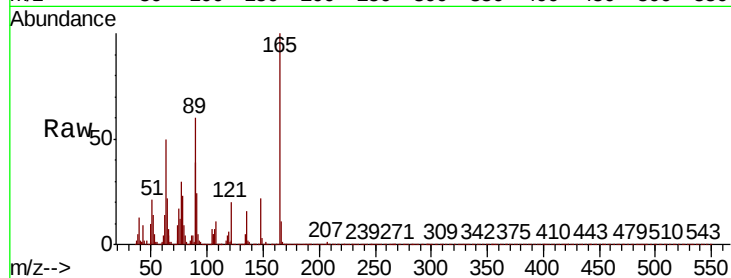




#51
2,6-Dinitrotoluene
Concen: 6.518 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

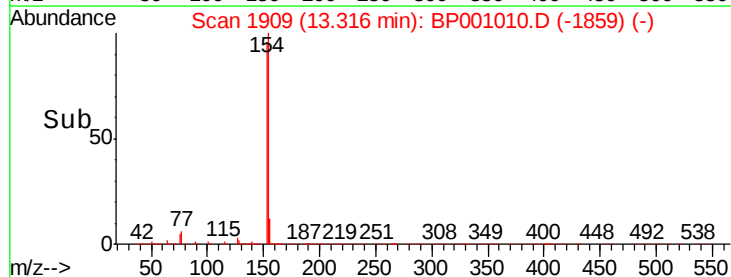
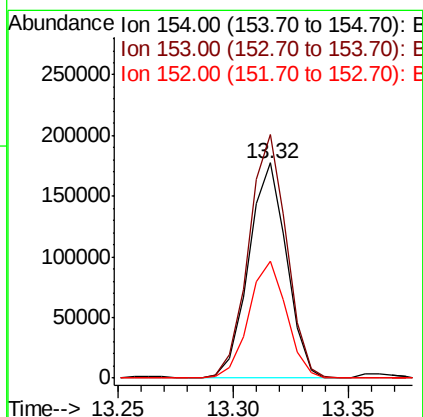
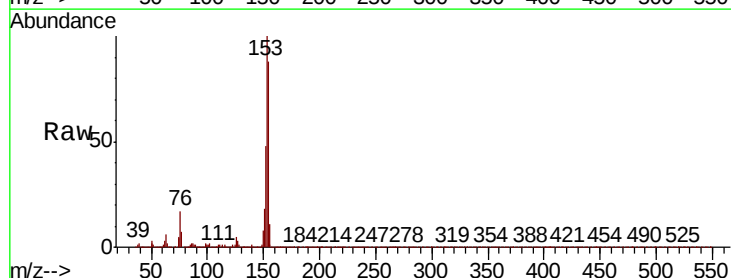
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

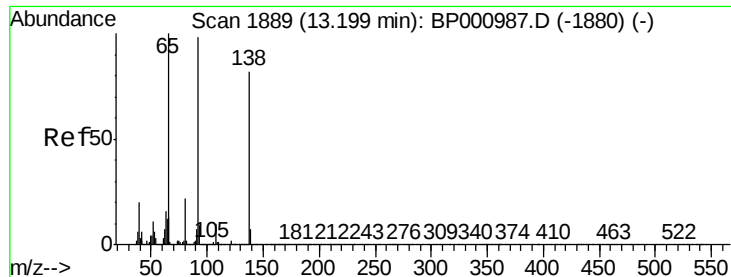
Tot Ion:165 Resp: 48858
Ion Ratio Lower Upper
165 100
63 49.7 36.7 55.1
89 59.8 42.3 63.5



#52
Acenaphthene
Concen: 7.620 ng
RT: 13.32 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:154 Resp: 202671
Ion Ratio Lower Upper
154 100
153 113.3 88.9 133.3
152 54.3 42.4 63.6

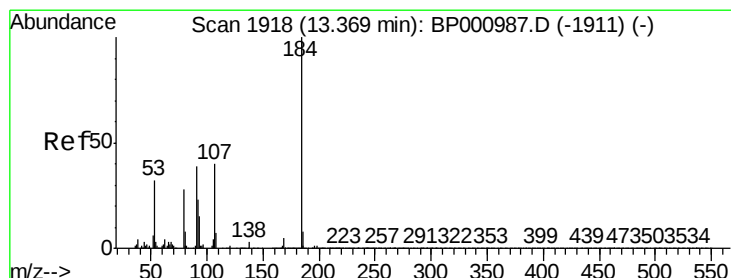
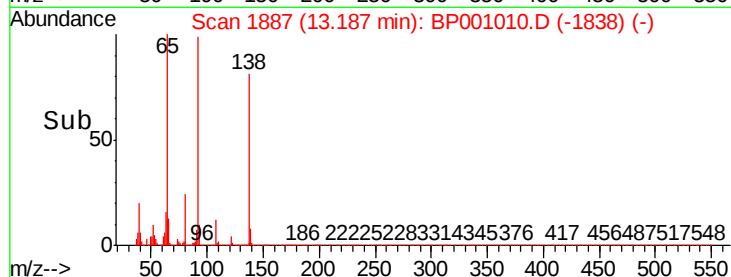
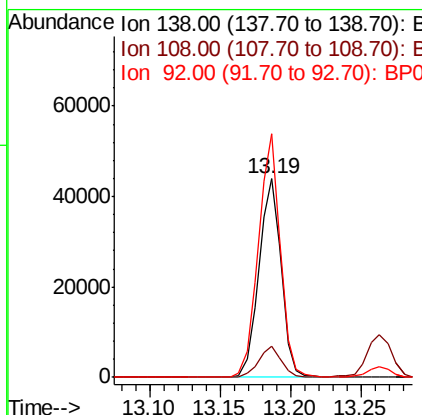
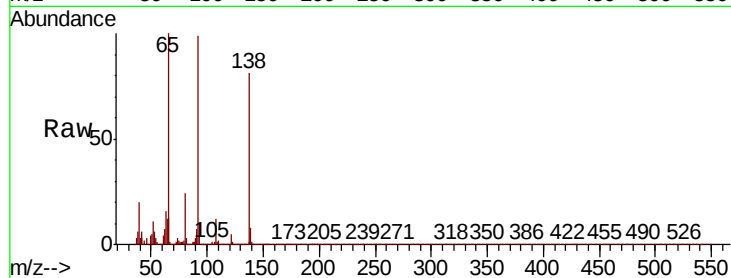




#53
3-Nitroaniline
Concen: 5.992 ng
RT: 13.19 min Scan# 1887
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

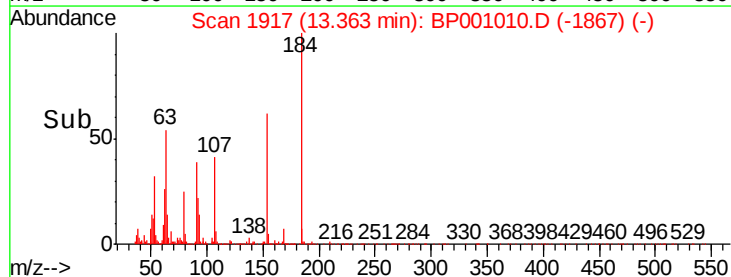
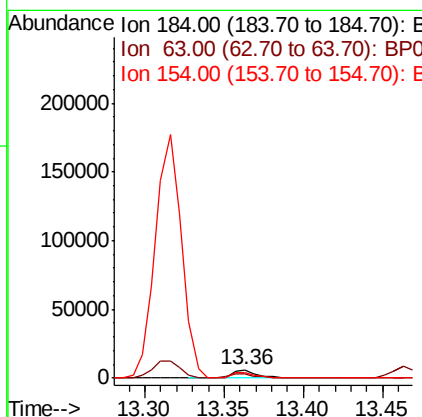
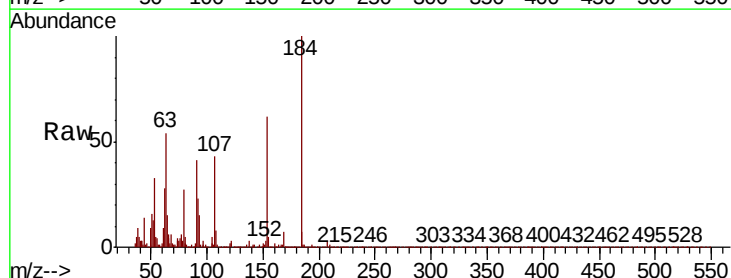
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

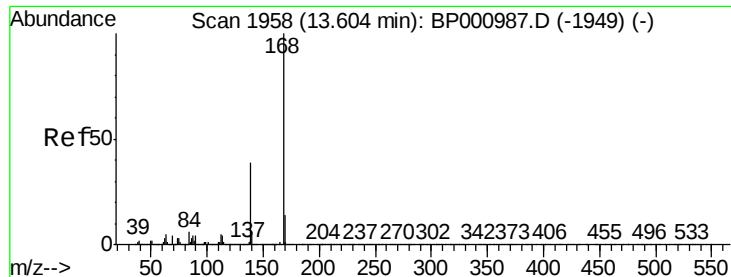
Tot Ion:138 Resp: 48988
Ion Ratio Lower Upper
138 100
108 15.4 10.1 15.1#
92 122.7 95.4 143.0



#54
2,4-Dinitrophenol
Concen: 3.721 ng
RT: 13.36 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:184 Resp: 6875
Ion Ratio Lower Upper
184 100
63 54.3 41.0 61.6
154 61.7 48.1 72.1

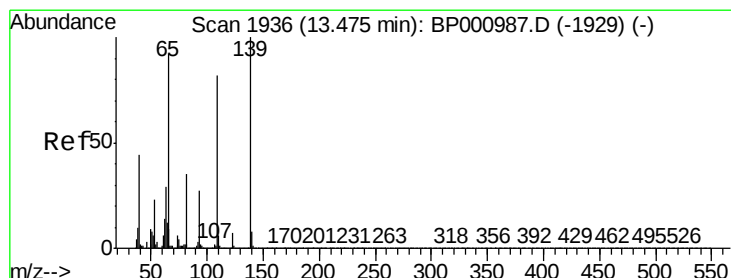
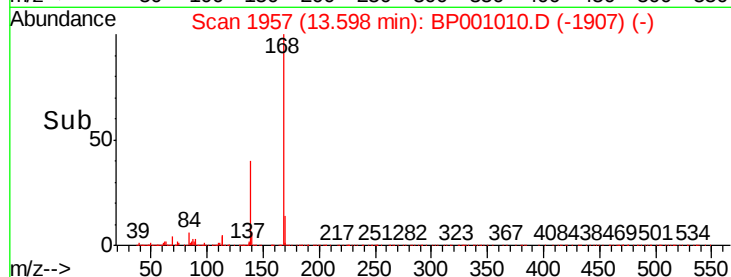
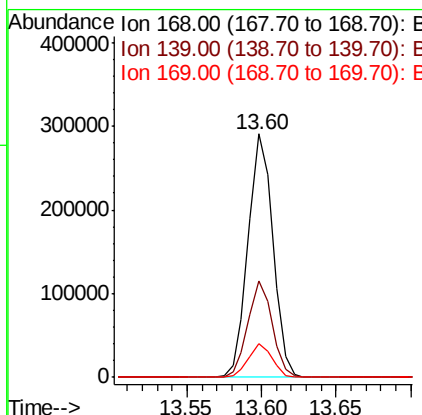
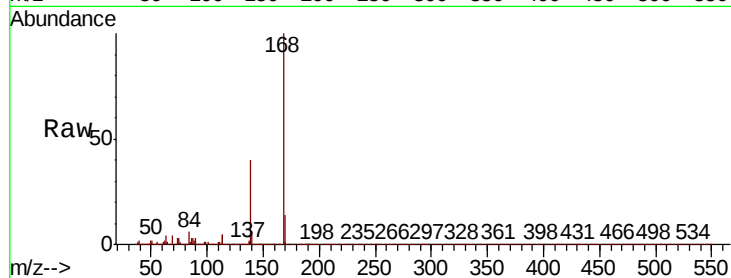




#55
Dibenzenofuran
Concen: 8.008 ng
RT: 13.60 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

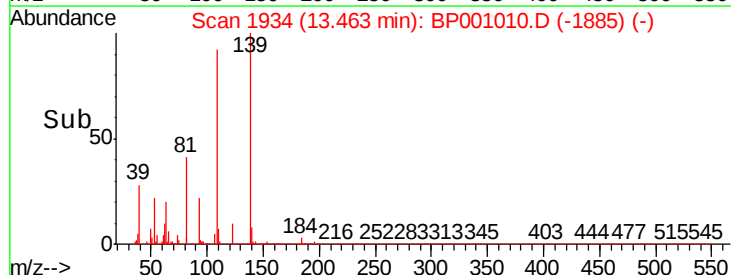
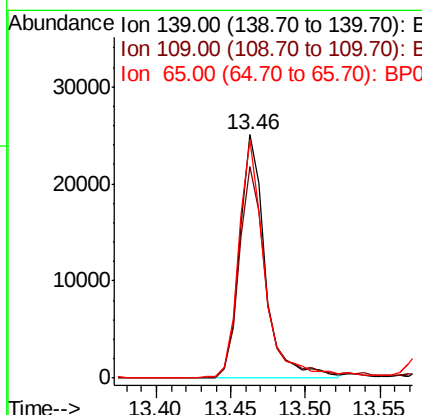
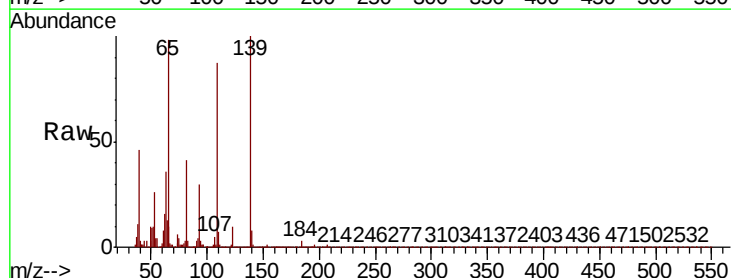
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

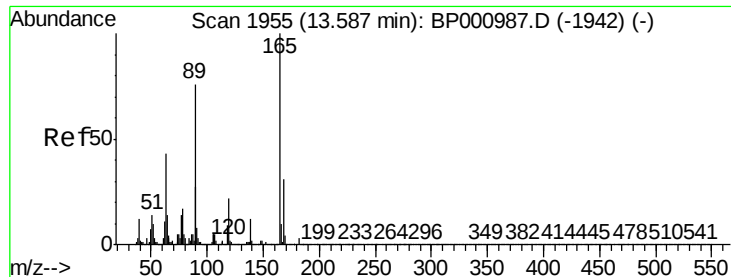
Tot Ion	Ratio	Lower	Upper
168	100		
139	39.6	30.9	46.3
169	13.6	10.9	16.3



#56
4-Nitrophenol
Concen: 5.255 ng
RT: 13.46 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	87.2	61.6	101.6
65	98.1	72.0	112.0





#57

2,4-Dinitrotoluene

Concen: 5.988 ng

RT: 13.58 min Scan# 1954

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

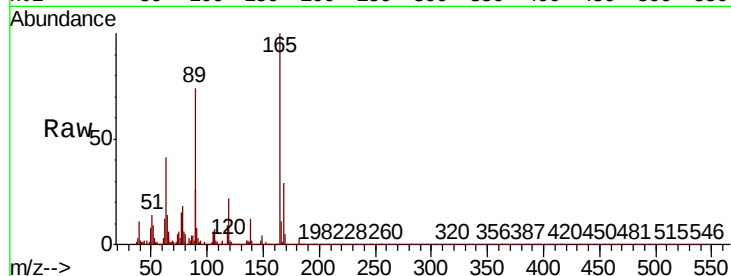
Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:165	Resp:	56375	
Ion	Ratio	Lower	Upper
165	100		
63	40.9	34.3	51.5
89	74.1	60.5	90.7
182	3.1	2.4	3.6

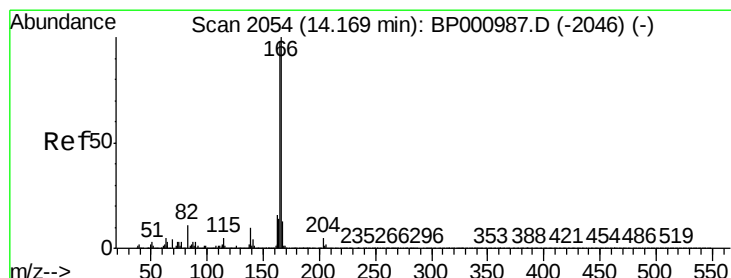
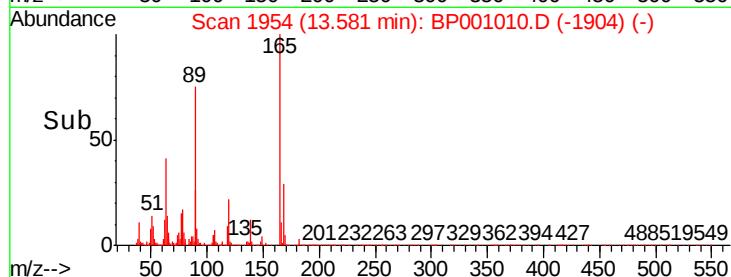
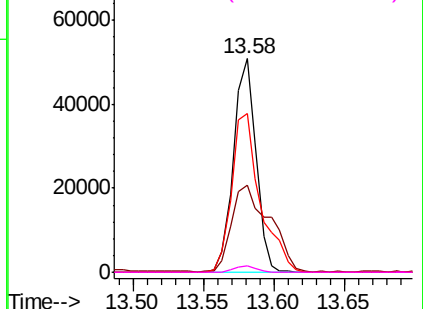


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 7.554 ng

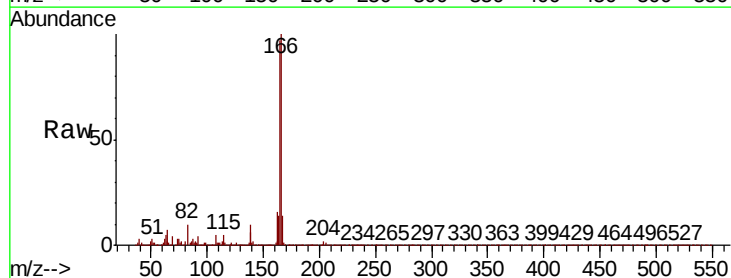
RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

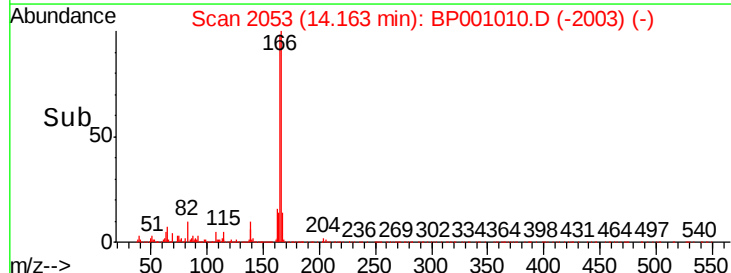
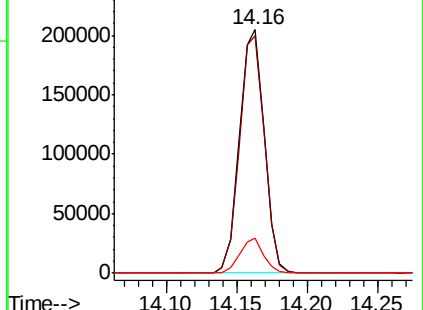
Tgt	Ion:166	Resp:	249758
Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.2	117.2
167	14.3	10.7	16.1

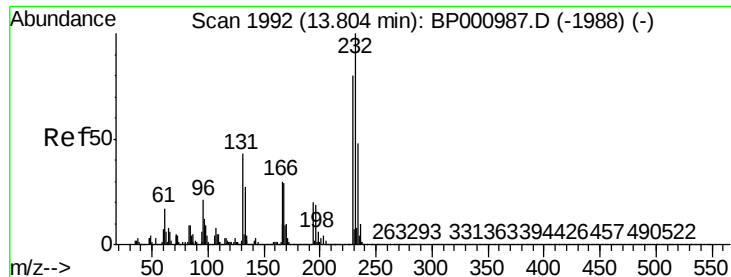


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

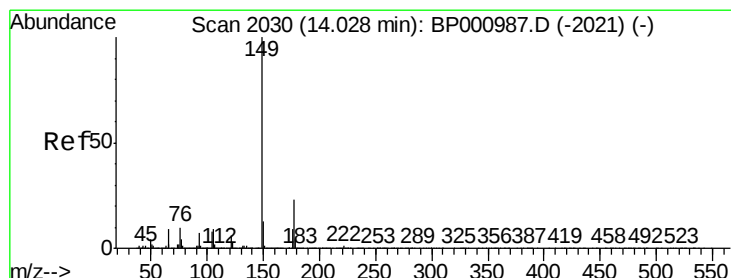
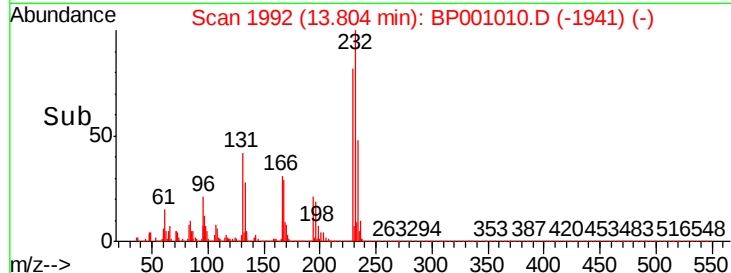
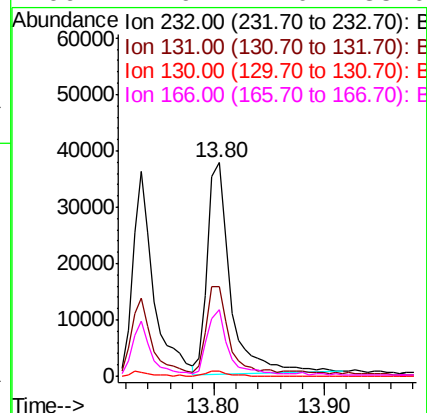
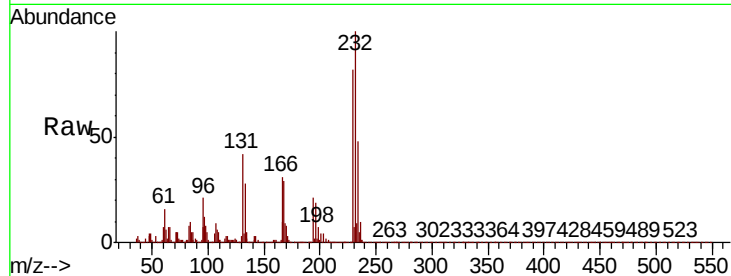




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.005 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

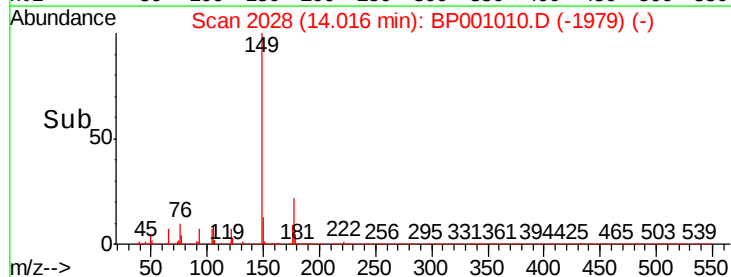
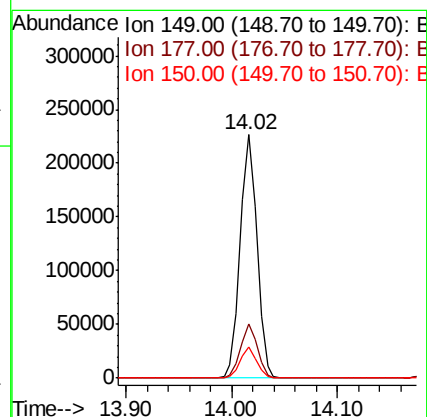
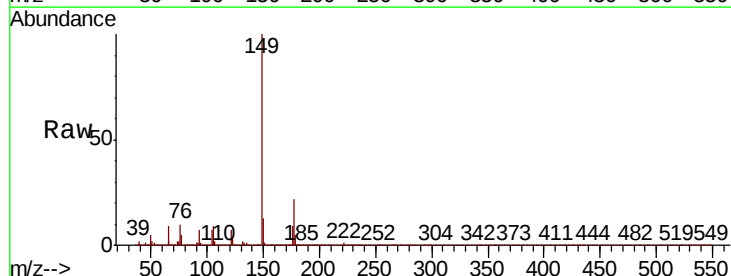
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

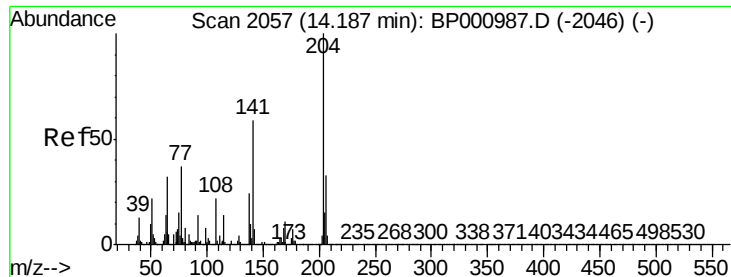
Tot Ion:232	Resp:	53262
Ion Ratio	Lower	Upper
232	100	
131	38.7	32.2 48.2
130	2.4	1.7 2.5
166	27.9	22.0 33.0



#60
Diethylphthalate
Concen: 6.824 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:149	Resp:	246322
Ion Ratio	Lower	Upper
149	100	
177	22.2	18.5 27.7
150	12.7	10.2 15.2

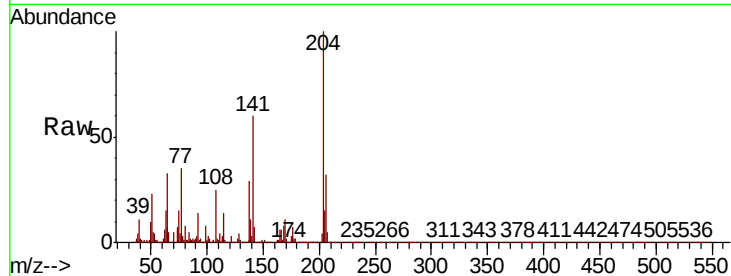




#61
4-Chlorophenyl-phenylether
Concen: 7.884 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.5	39.7
141	59.9	46.9	70.3

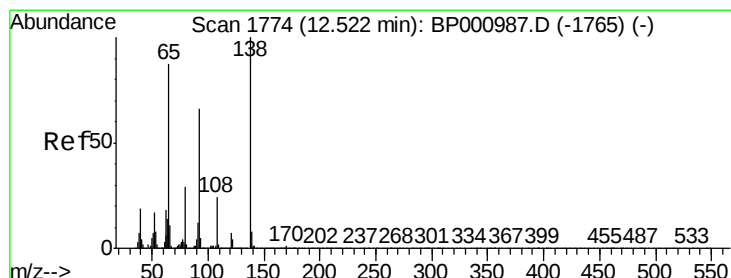
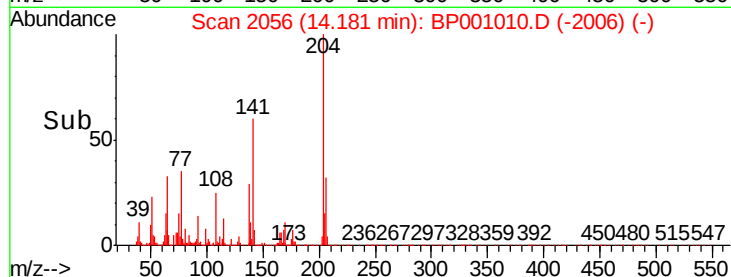
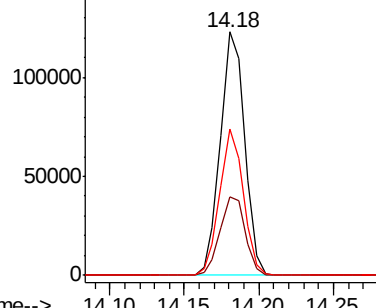


Abundance

Ion 204.00 (203.70 to 204.70): E

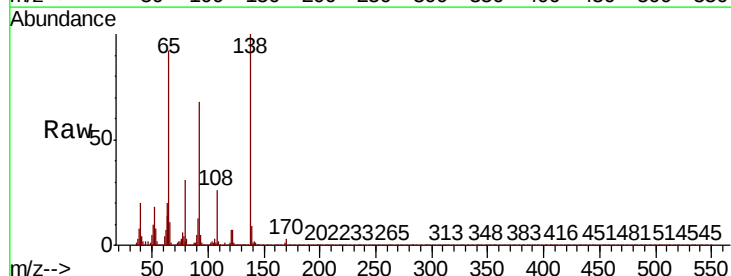
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 5.707 ng
RT: 12.52 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	68.1	46.4	86.4
108	26.2	3.9	43.9

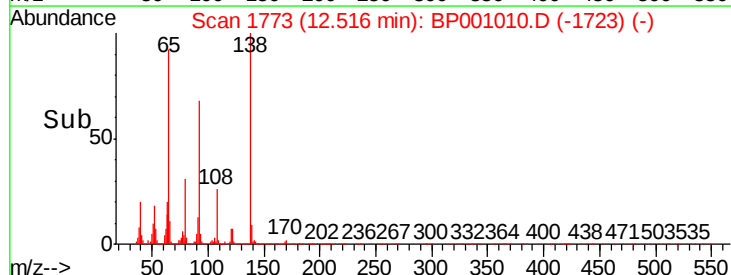
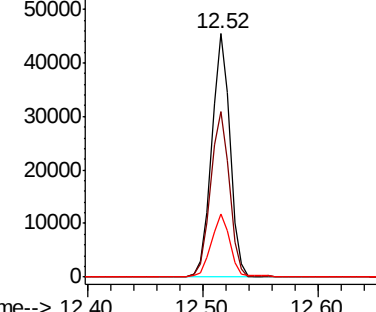


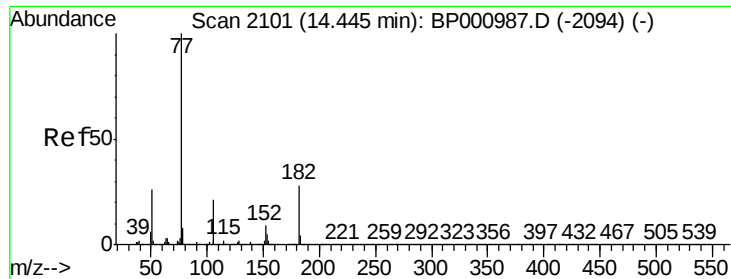
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E

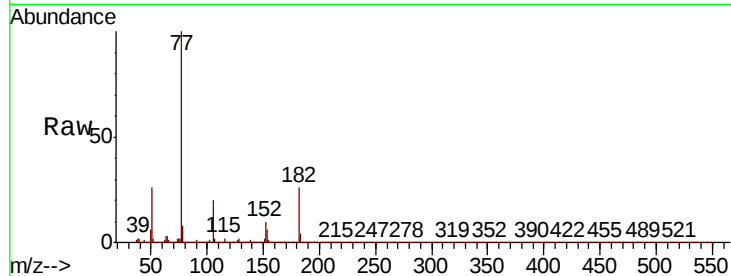




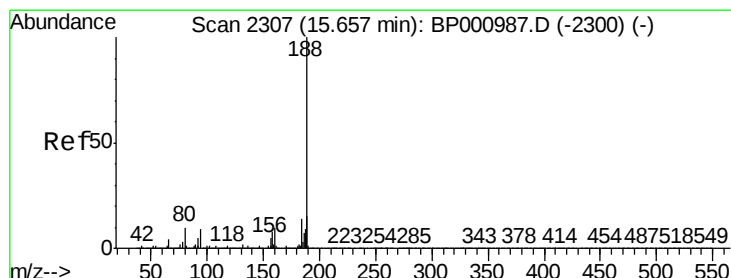
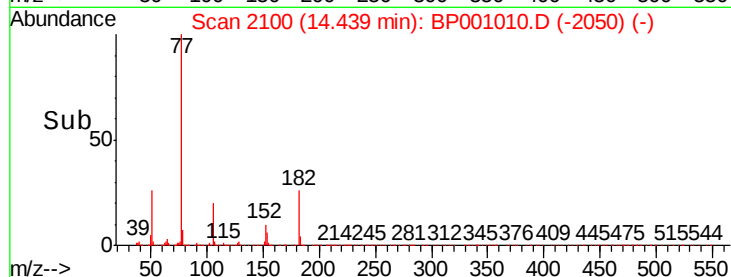
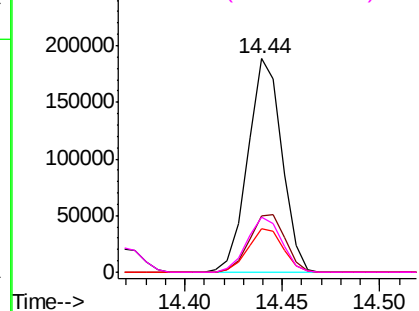
#63
Azobenzene
Concen: 7.209 ng
RT: 14.44 min Scan# 2100
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	77	Resp:	227729
Ion	Ratio	Lower	Upper
77	100		
182	26.3	8.4	48.4
105	20.4	1.0	41.0
51	25.9	6.0	46.0

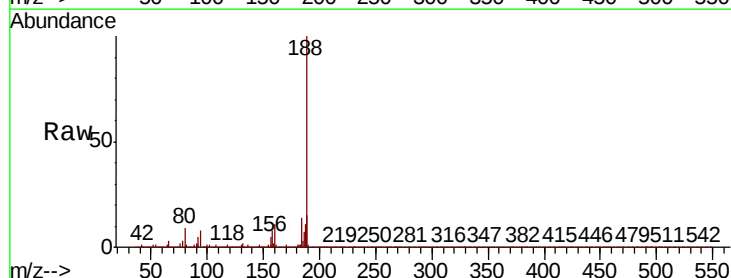


Abundance Ion 77.00 (76.70 to 77.70): BP0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BP0

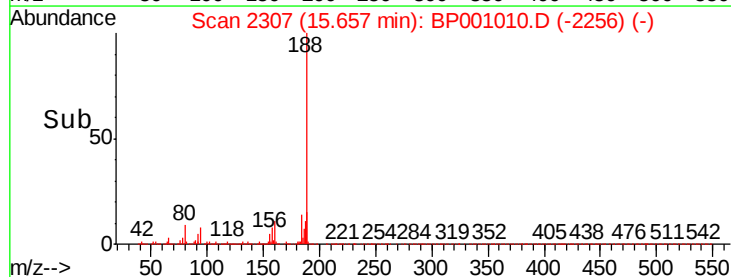
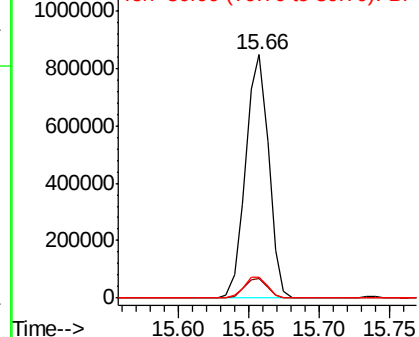


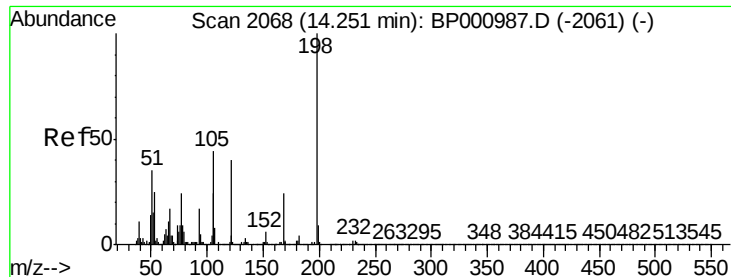
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:	188	Resp:	968407
Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.4	11.2
80	8.7	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BP0
Ion 80.00 (79.70 to 80.70): BP0

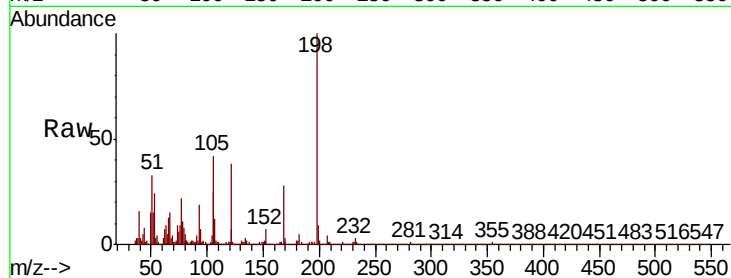




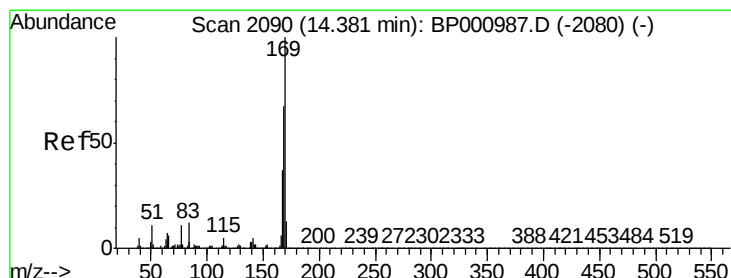
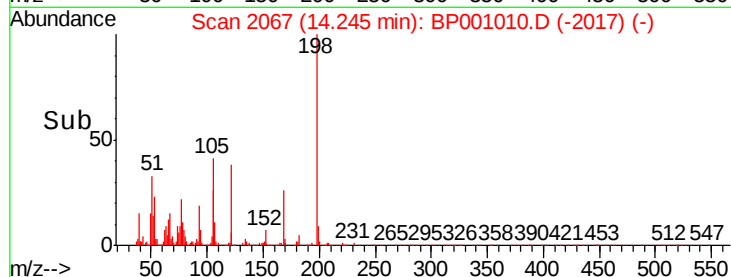
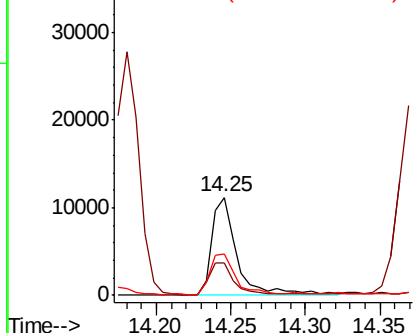
#65
4,6-Dinitro-2-methylphenol
Concen: 4.821 ng
RT: 14.25 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

Tot Ion:198 Resp: 13172
Ion Ratio Lower Upper
198 100
51 32.9 16.0 56.0
105 41.9 24.9 64.9

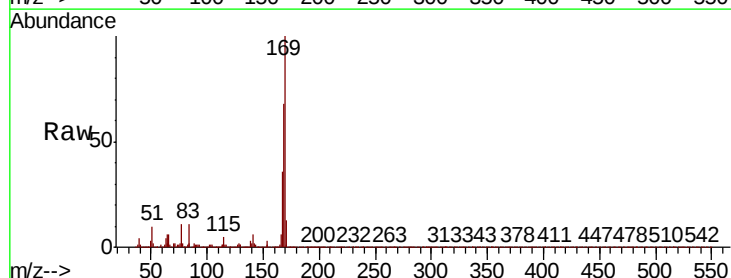


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BP
Ion 105.00 (104.70 to 105.70): E

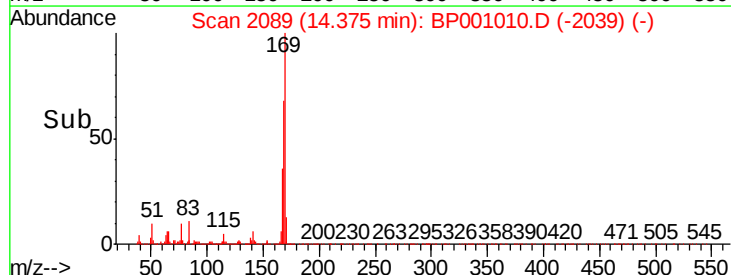
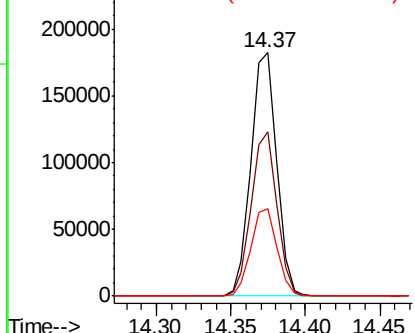


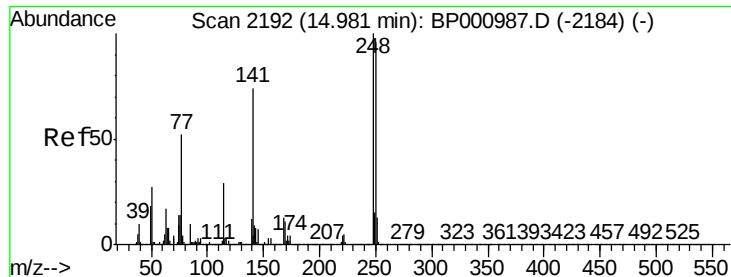
#66
n-Nitrosodiphenylamine
Concen: 7.775 ng
RT: 14.37 min Scan# 2089
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:169 Resp: 216473
Ion Ratio Lower Upper
169 100
168 67.6 53.3 79.9
167 35.9 29.4 44.2



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

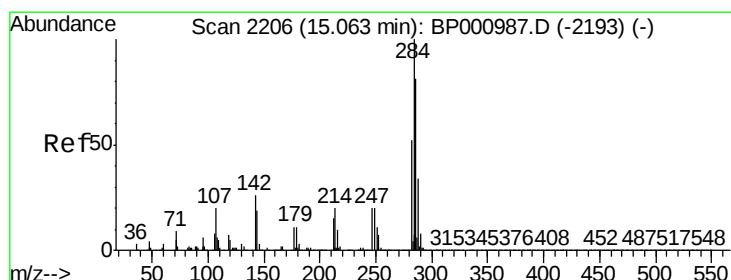
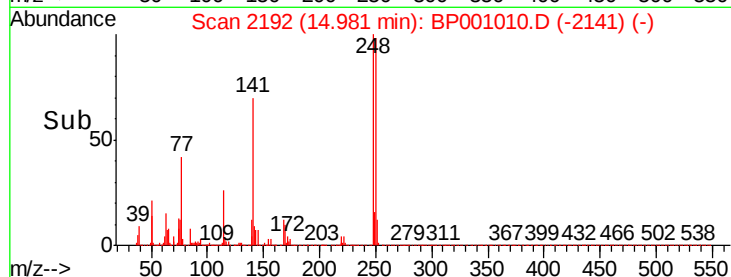
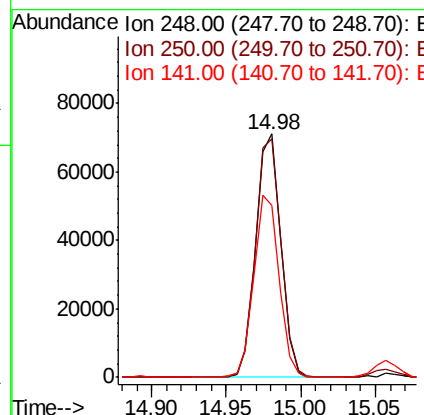
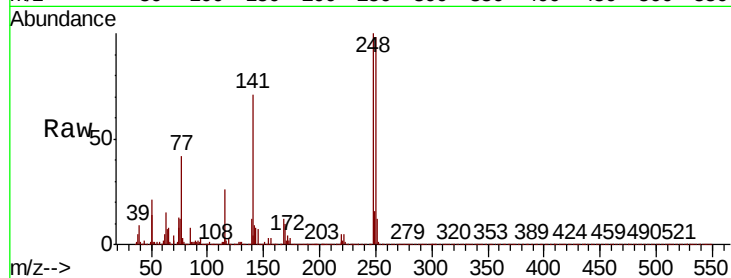




#67
4-Bromophenyl-phenylether
Concen: 7.170 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

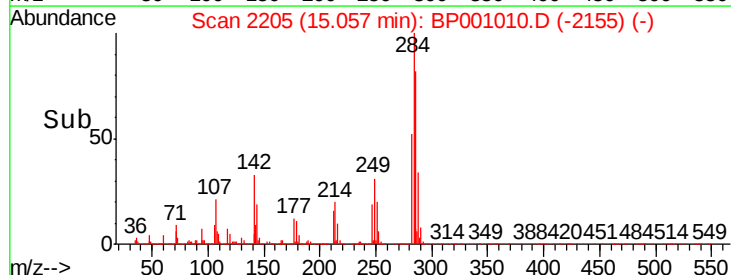
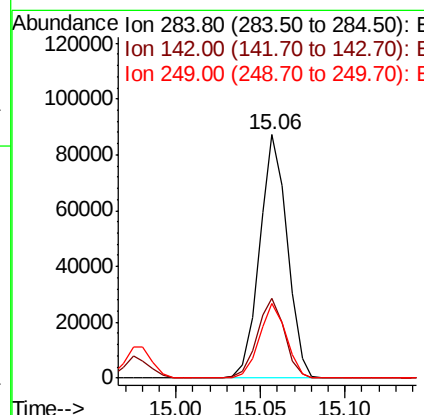
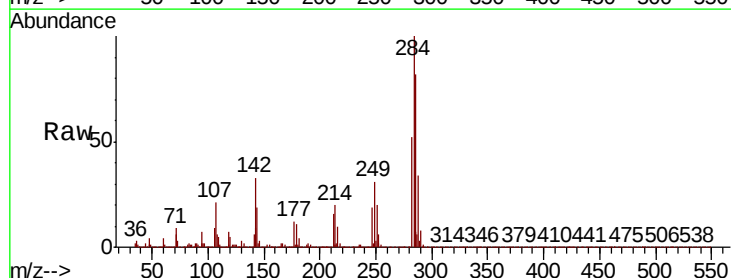
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

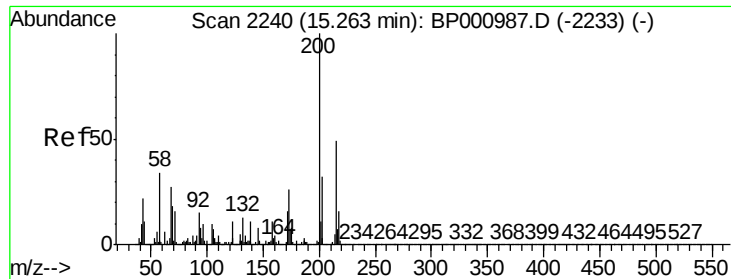
Tot Ion:248 Resp: 81740
Ion Ratio Lower Upper
248 100
250 98.1 77.0 115.6
141 70.5 59.4 89.0



#68
Hexachlorobenzene
Concen: 7.505 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:284 Resp: 99151
Ion Ratio Lower Upper
284 100
142 32.9 25.8 38.8
249 30.6 25.4 38.0

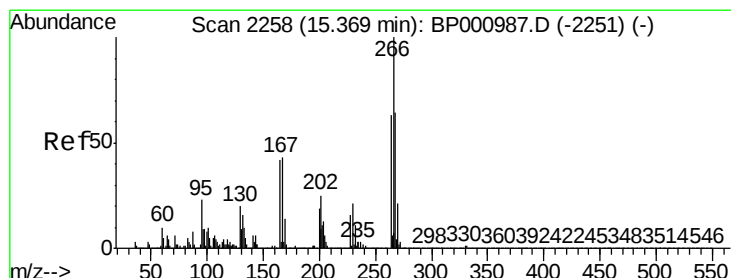
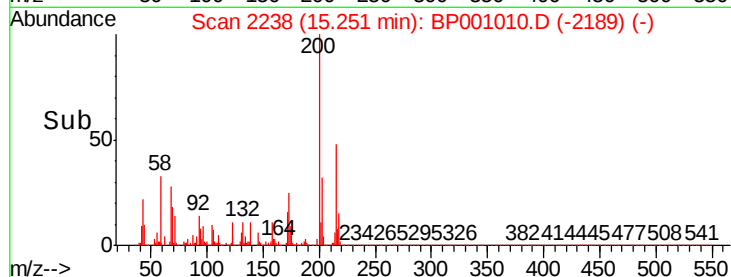
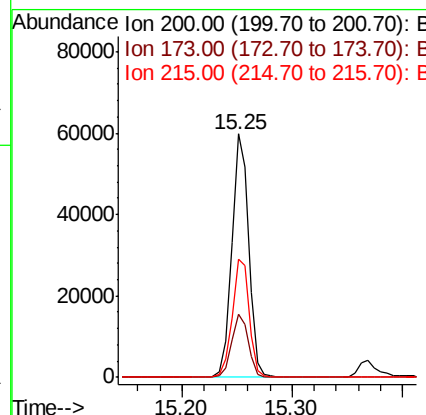
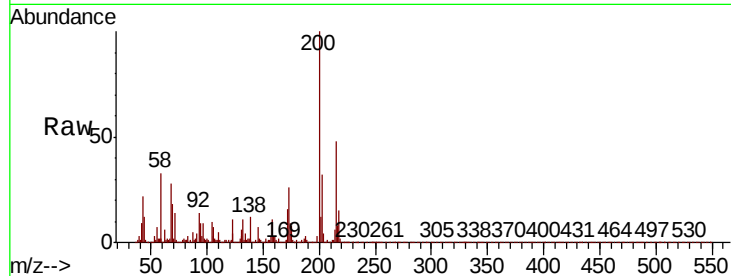




#69
Atrazine
Concen: 6.299 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

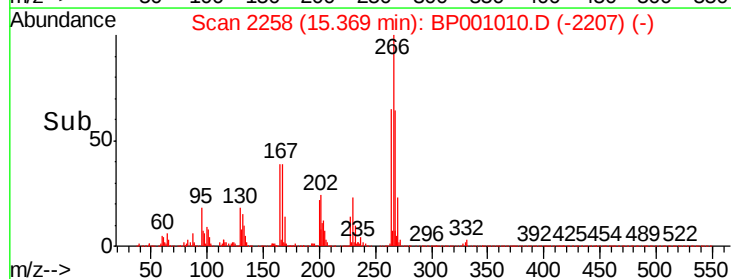
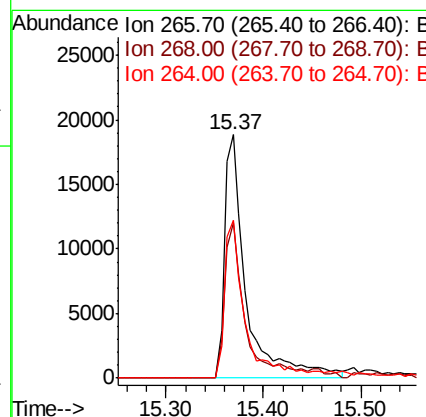
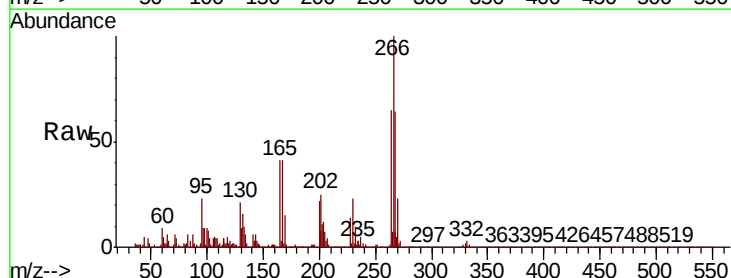
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

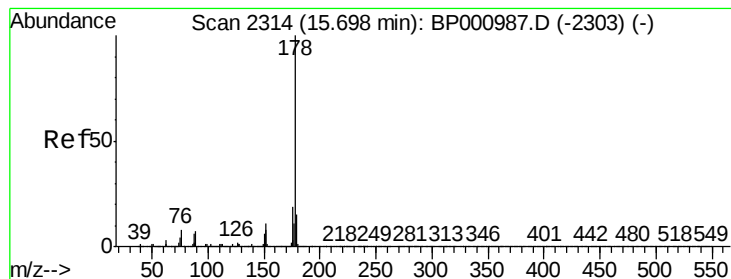
Tot Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.8	45.8
215	48.3	28.6	68.6



#70
Pentachlorophenol
Concen: 4.908 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.9	76.3
264	64.7	50.6	76.0





#71

Phenanthrene

Concen: 7.801 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

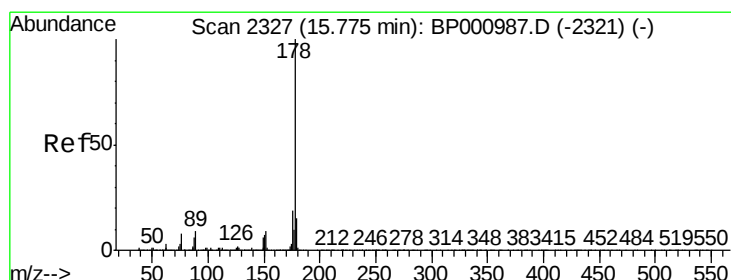
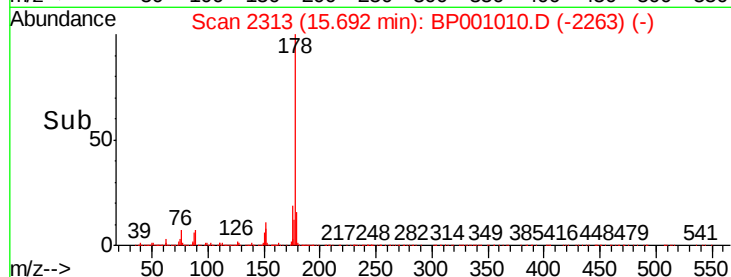
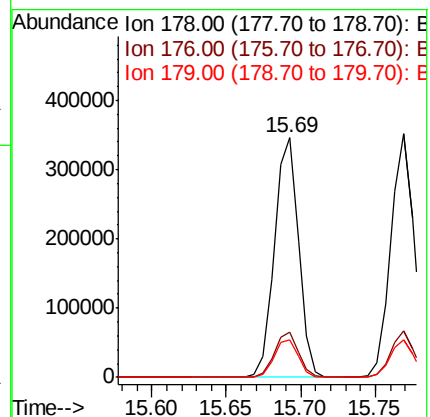
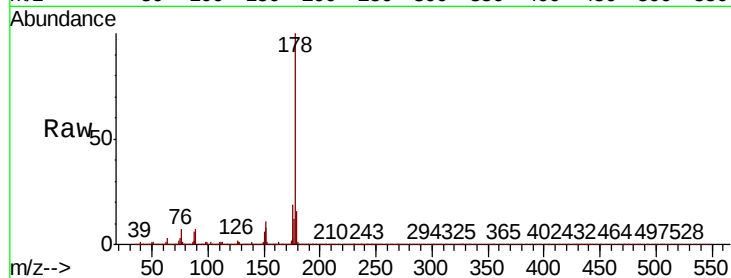
Tot Ion:178 Resp: 386670

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.9 12.3 18.5



#72

Anthracene

Concen: 7.874 ng

RT: 15.77 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

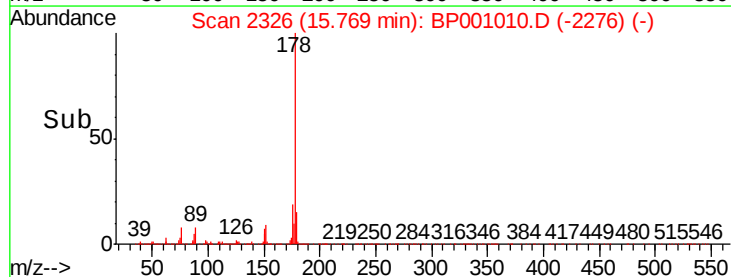
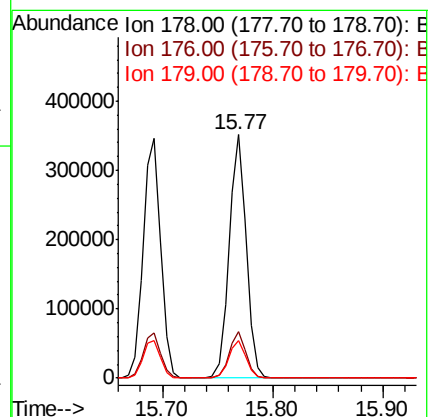
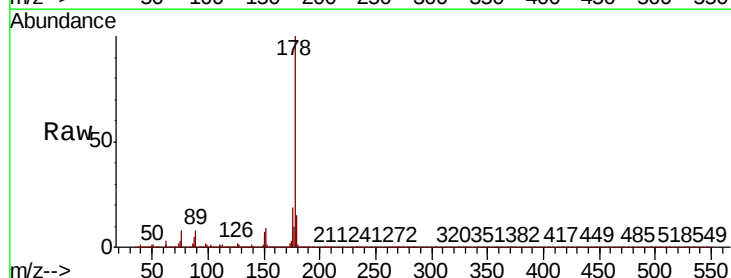
Tgt Ion:178 Resp: 380688

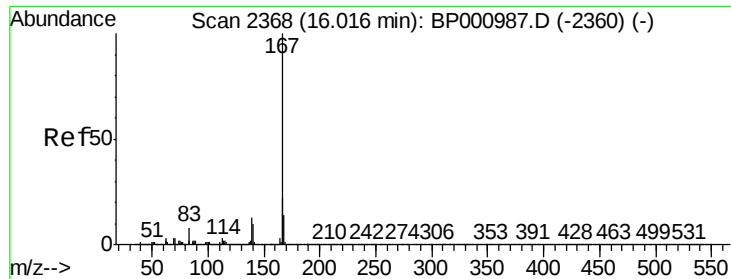
Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.4 12.3 18.5

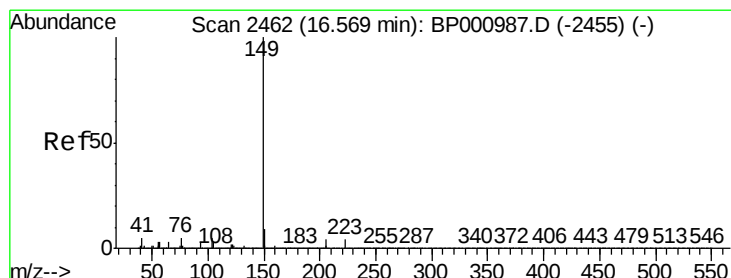
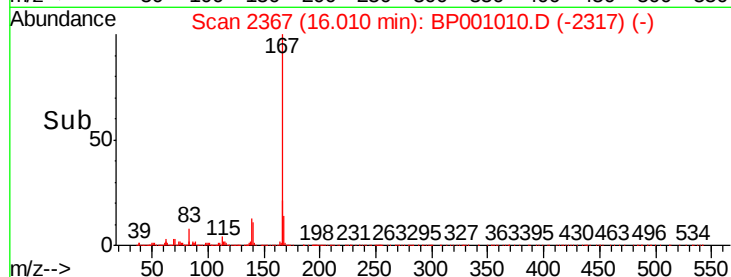
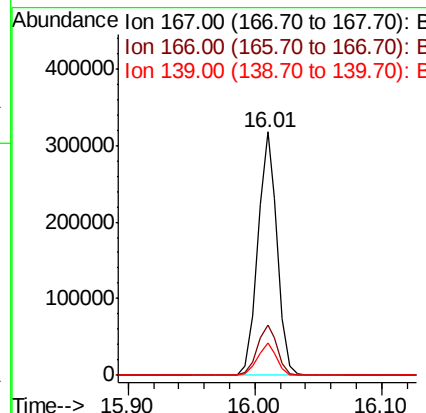
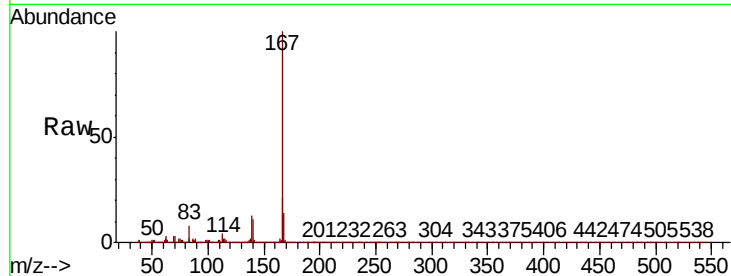




#73
 Carbazole
 Concen: 7.580 ng
 RT: 16.01 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: BP001010.D
 Acq: 08 Nov 2019 10:16

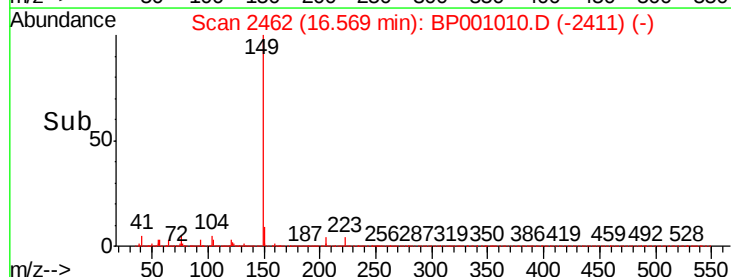
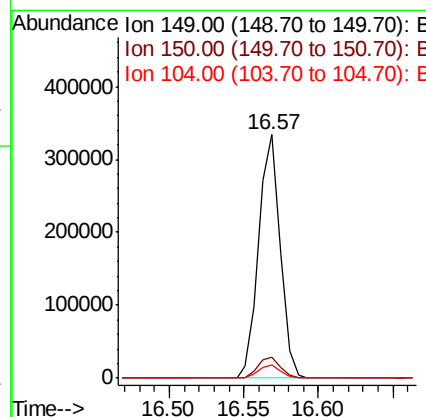
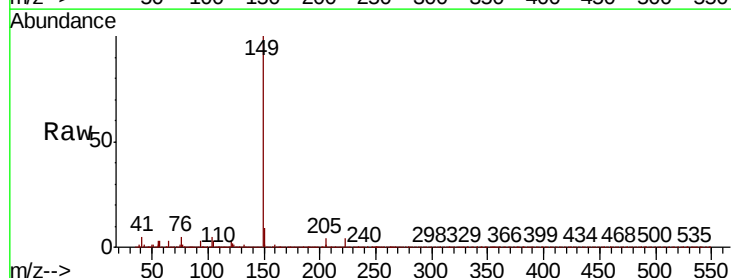
Instrument :
 BNA_P
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019

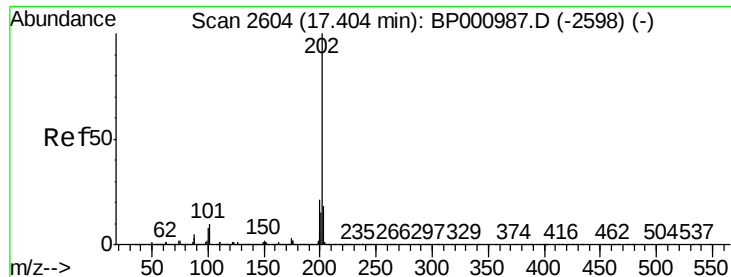
Tot Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	13.4	10.6	15.8



#74
 Di-n-butylphthalate
 Concen: 6.176 ng
 RT: 16.57 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: BP001010.D
 Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.5	11.3
104	5.4	4.2	6.4





#75

Fluoranthene

Concen: 7.606 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

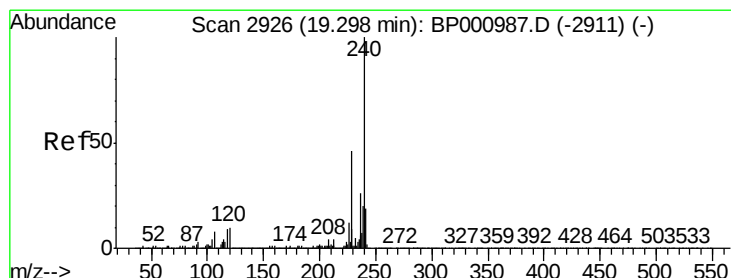
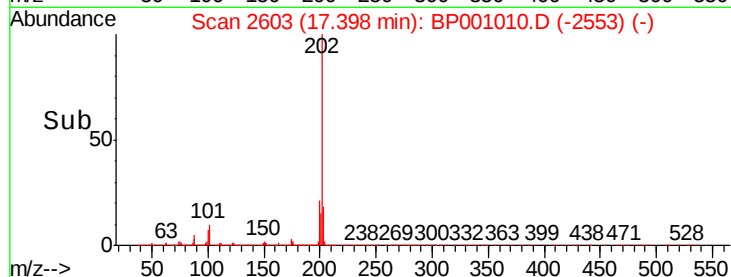
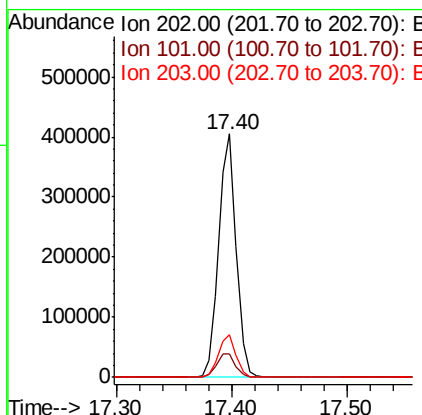
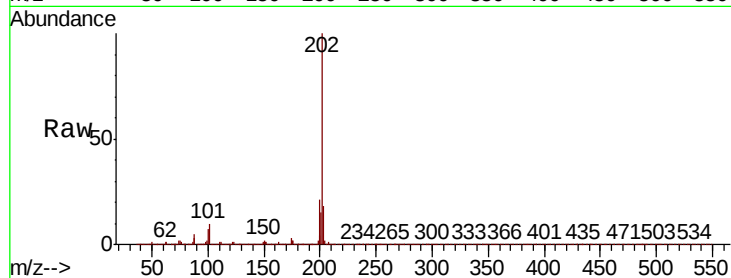
Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

Tot Ion:	202	Resp:	426100
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.1
203	17.6	0.0	37.7



#76

Chrysene-d12

Concen: 20.000 ng

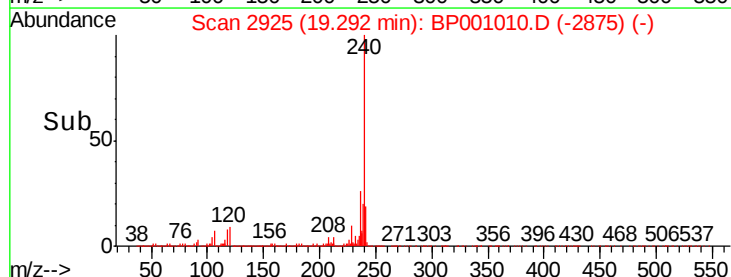
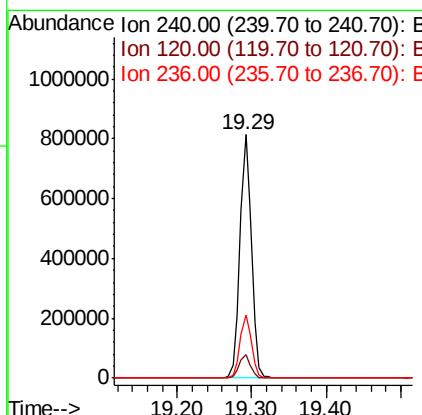
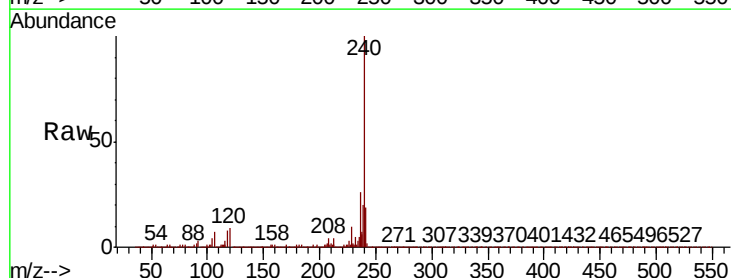
RT: 19.29 min Scan# 2925

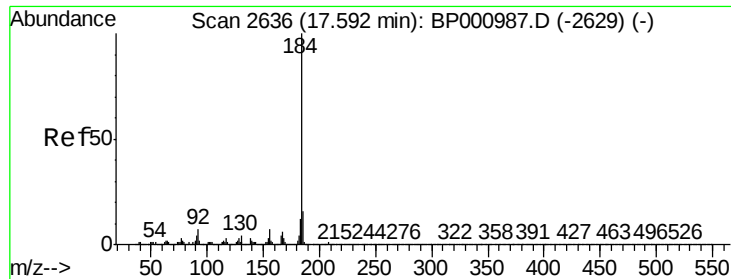
Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Tgt Ion:	240	Resp:	866940
Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	25.8	20.5	30.7





#77

Benzidine

Concen: 5.445 ng

RT: 17.59 min Scan# 2635

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

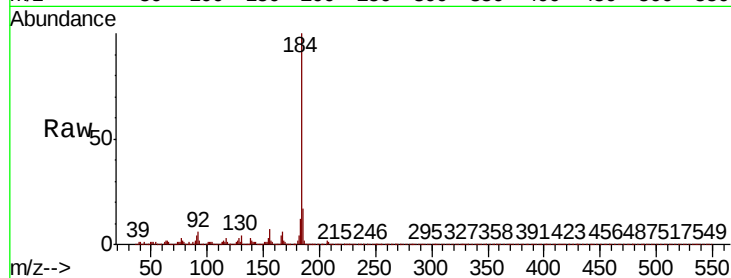
Tot Ion:184 Resp: 173838

Ion Ratio Lower Upper

184 100

185 17.2 12.6 18.8

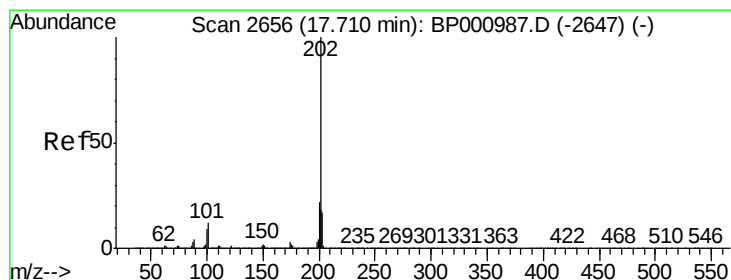
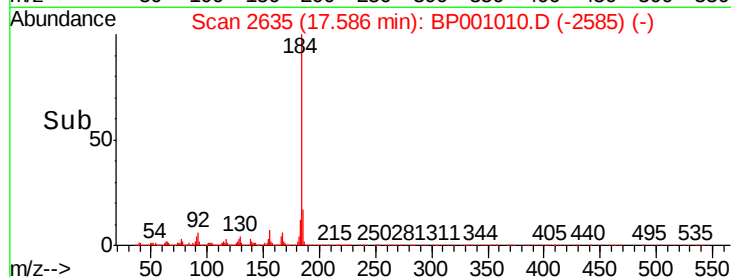
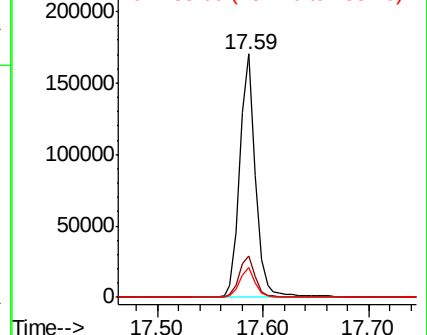
183 12.4 9.8 14.6



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: 7.428 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

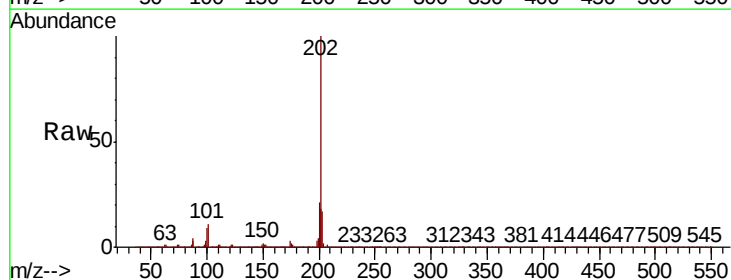
Tgt Ion:202 Resp: 455103

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

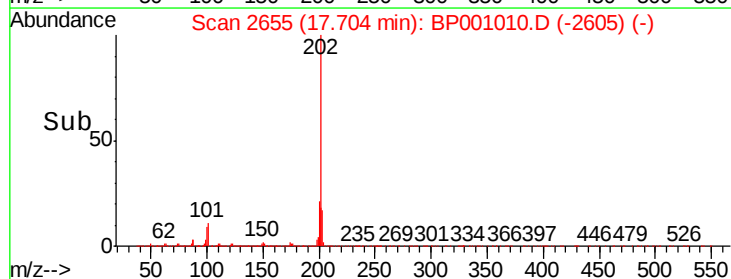
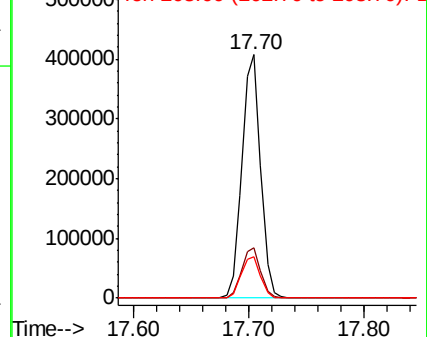
203 17.1 14.0 21.0

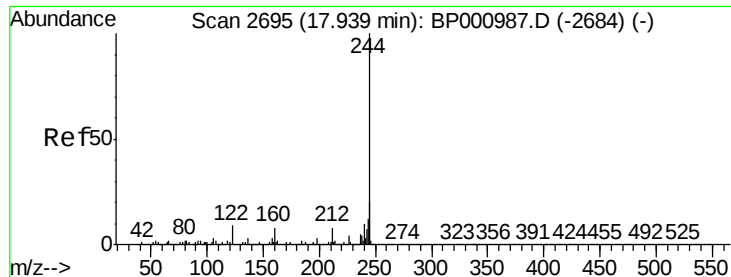


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 95.800 ng

RT: 17.94 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

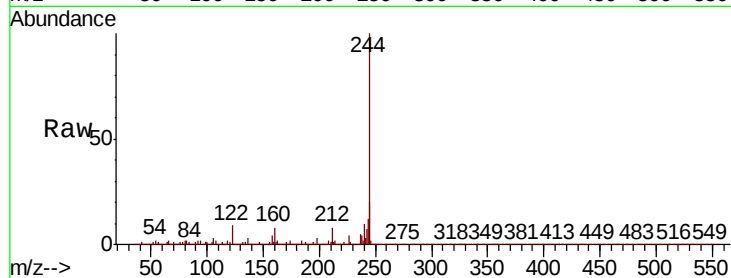
Tot Ion:244 Resp: 4175281

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

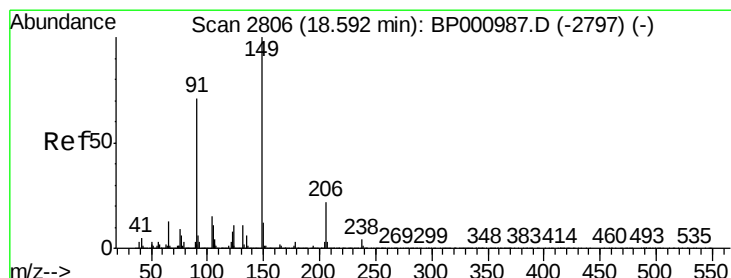
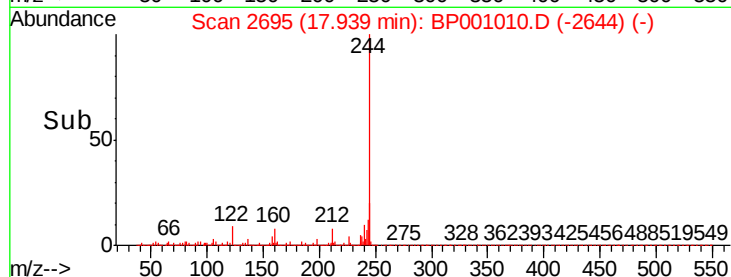
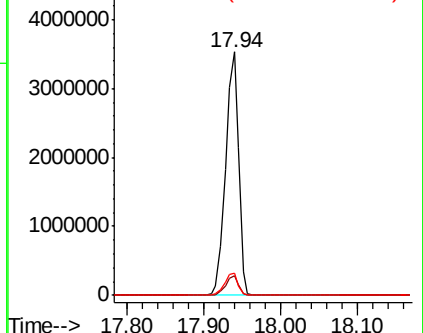
122 8.9 7.4 11.2



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: 4.982 ng

RT: 18.59 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

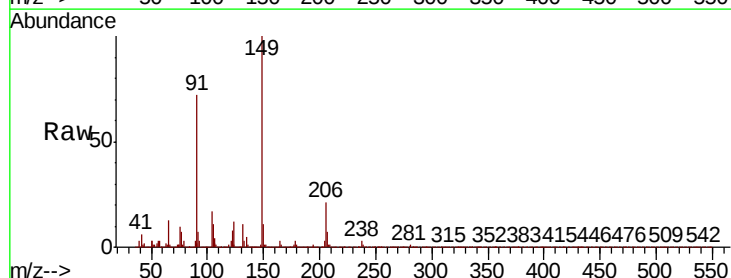
Tgt Ion:149 Resp: 120859

Ion Ratio Lower Upper

149 100

91 71.6 56.6 84.8

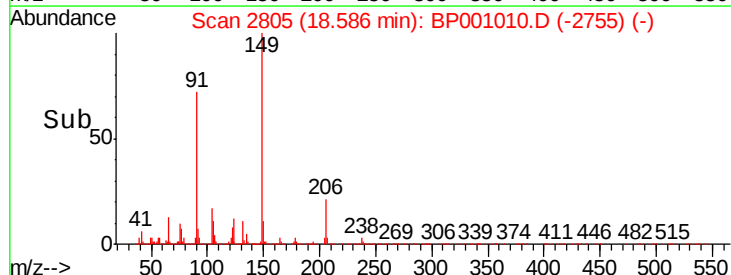
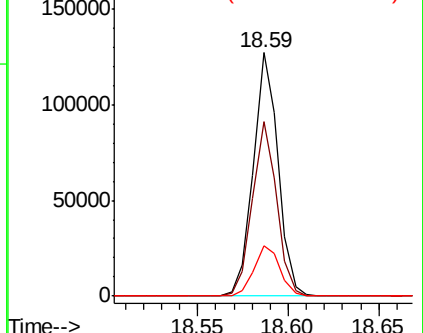
206 20.9 18.0 27.0

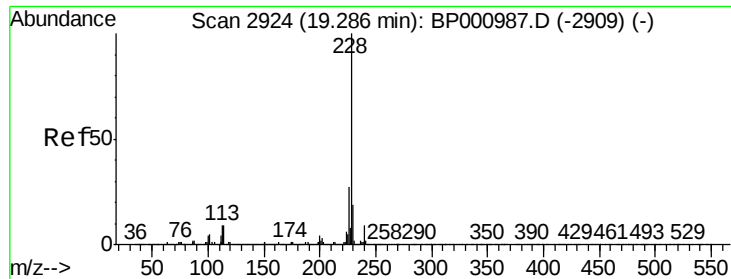


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.339 ng

RT: 19.28 min Scan# 2923

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

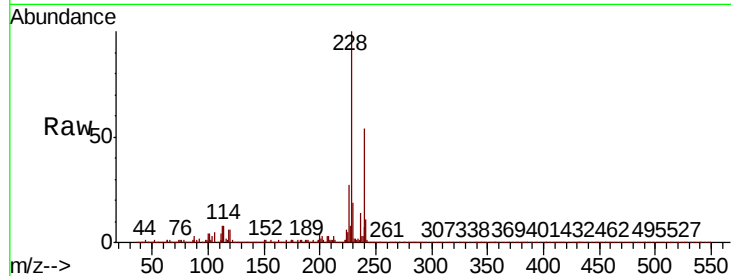
Tot Ion:228 Resp: 428538

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 19.4 15.6 23.4

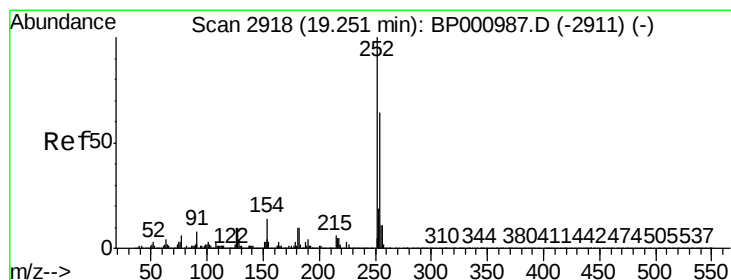
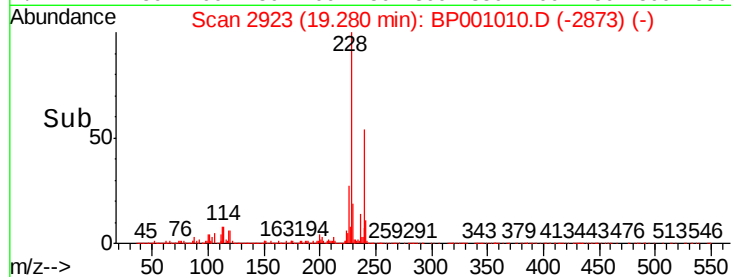
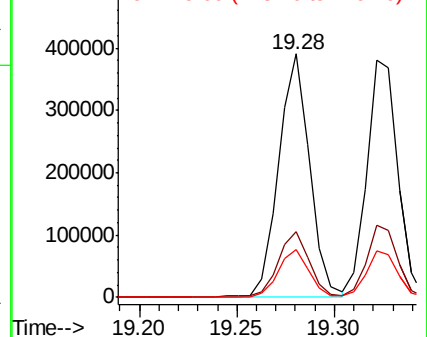


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 7.045 ng

RT: 19.25 min Scan# 2917

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

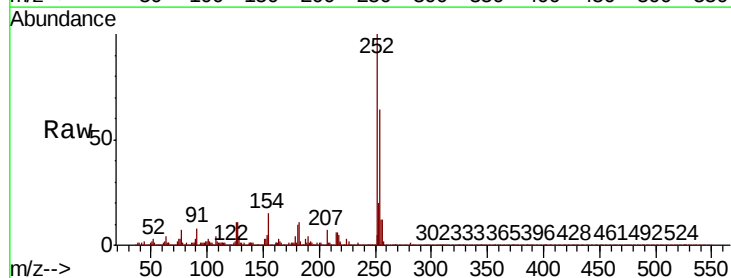
Tgt Ion:252 Resp: 149983

Ion Ratio Lower Upper

252 100

254 63.8 51.1 76.7

126 10.7 8.3 12.5

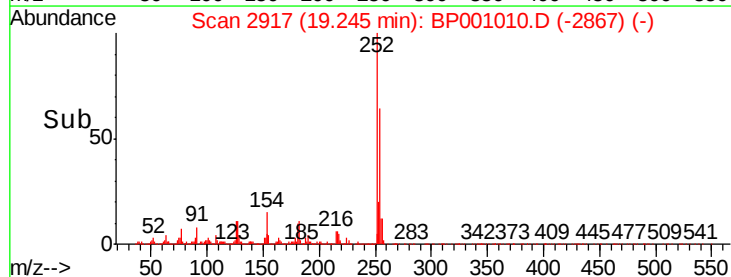
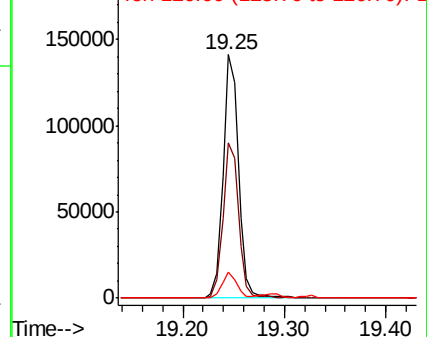


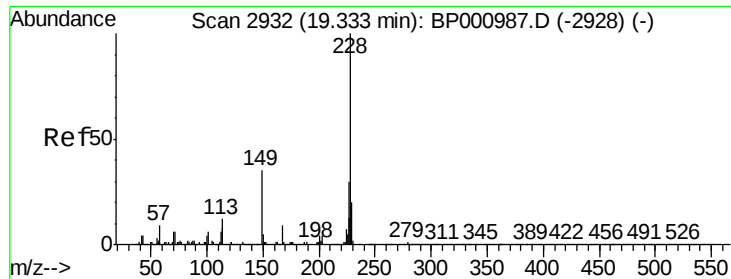
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

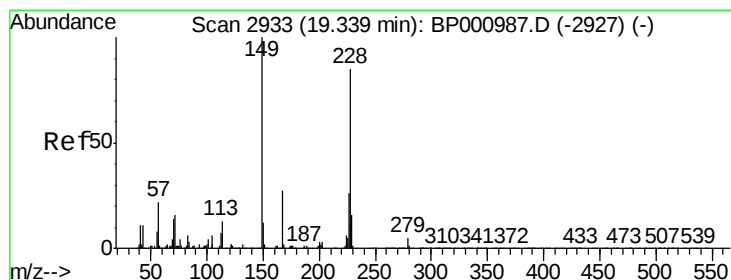
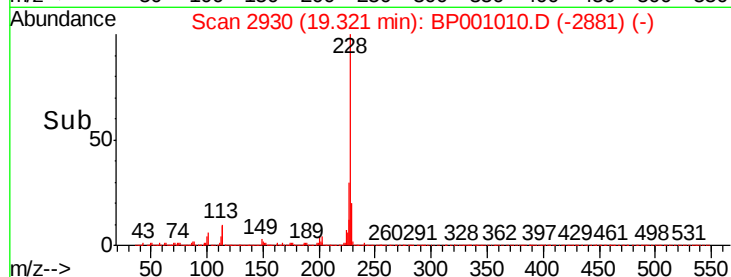
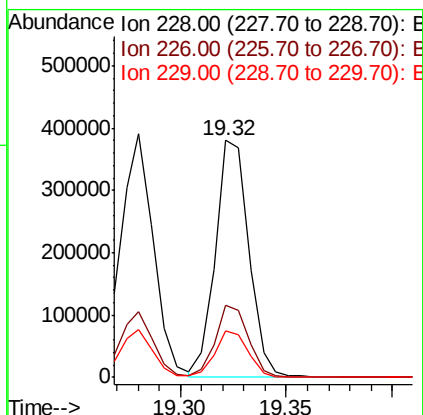
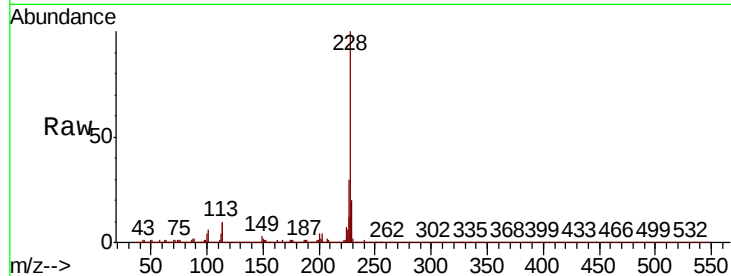




#83
Chrysene
Concen: 8.149 ng
RT: 19.32 min Scan# 2930
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

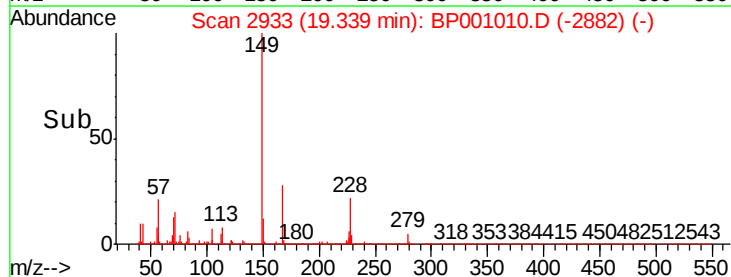
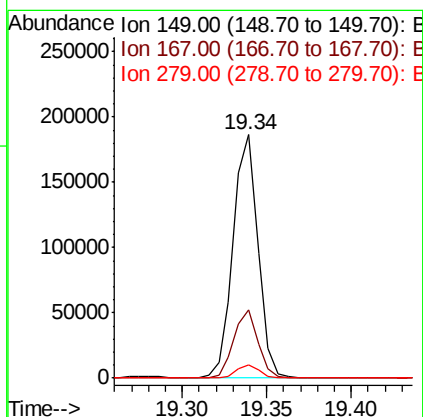
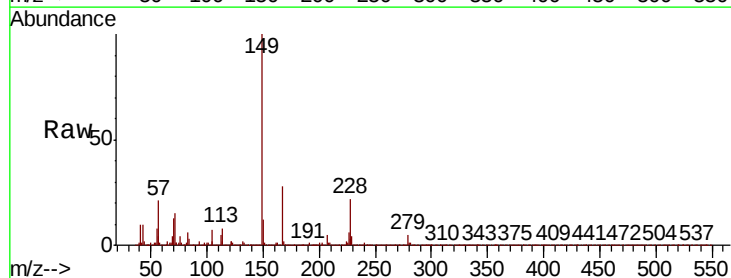
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

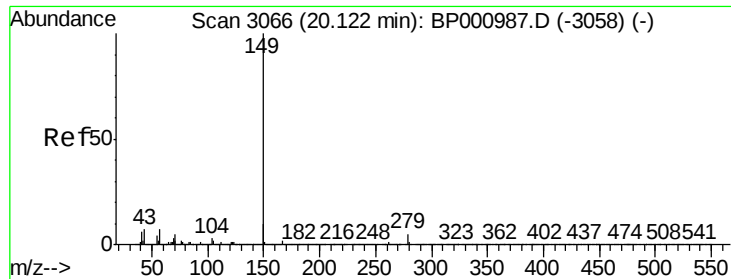
Tot Ion:228 Resp: 417731
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 19.7 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.158 ng
RT: 19.34 min Scan# 2933
Delta R.T. -0.00 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:149 Resp: 189943
Ion Ratio Lower Upper
149 100
167 28.2 21.4 32.2
279 5.3 3.7 5.5

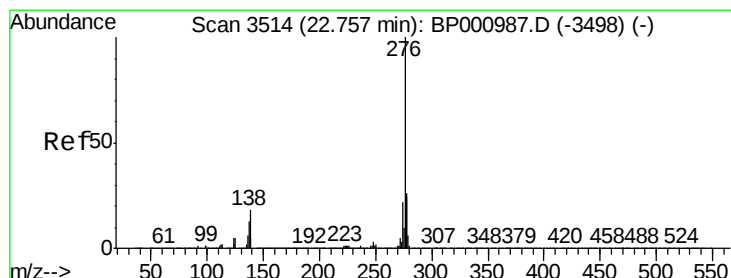
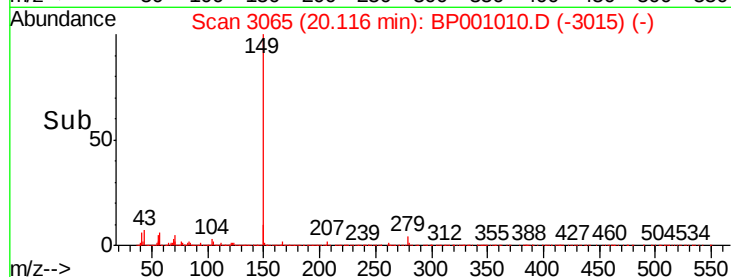
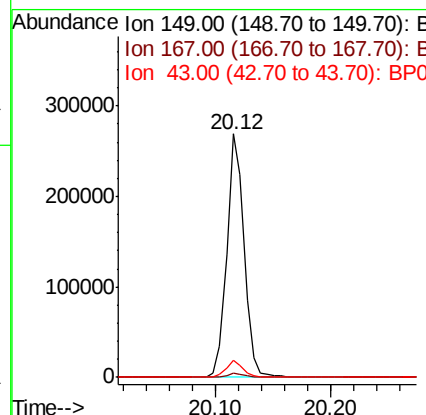
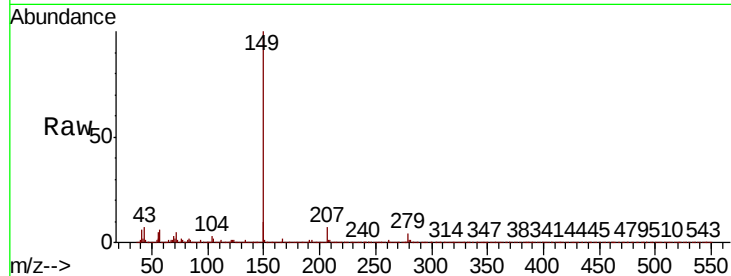




#85
Di-n-octyl phthalate
Concen: 5.011 ng
RT: 20.12 min Scan# 3065
Delta R.T. -0.01 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

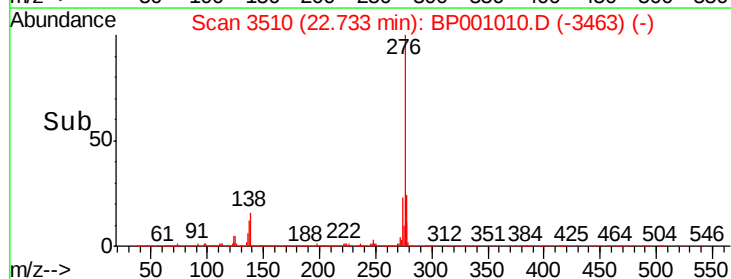
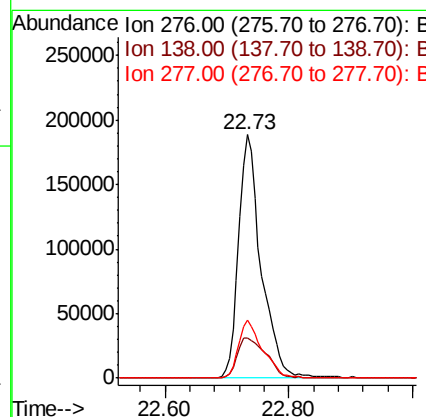
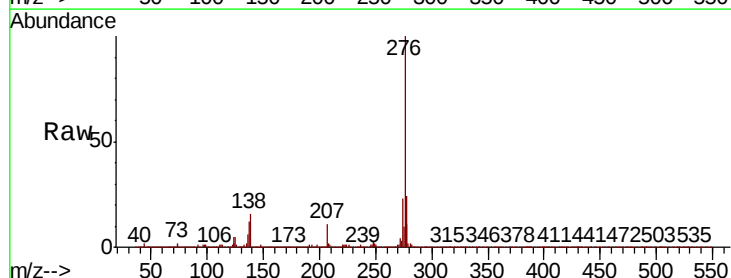
Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

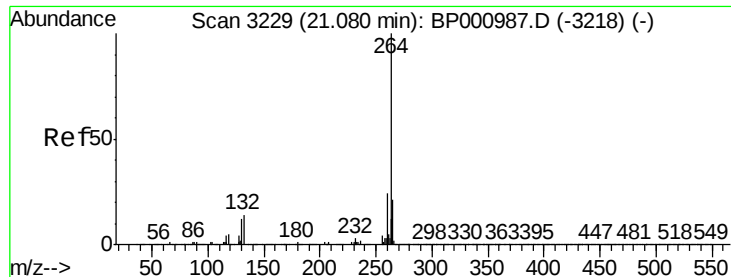
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.0	5.6	8.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.810 ng
RT: 22.73 min Scan# 3510
Delta R.T. -0.02 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	17.6	26.4
277	25.4	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

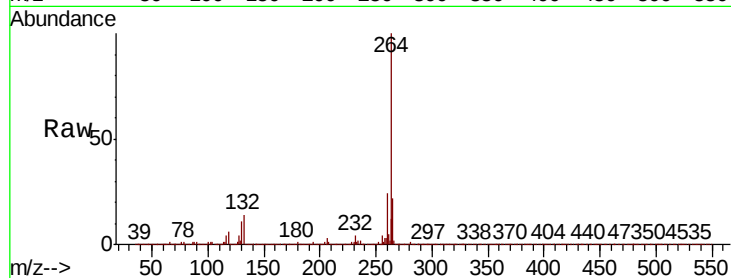
Tot Ion:264 Resp: 984996

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

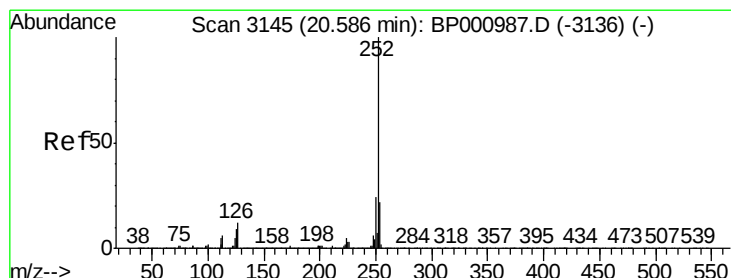
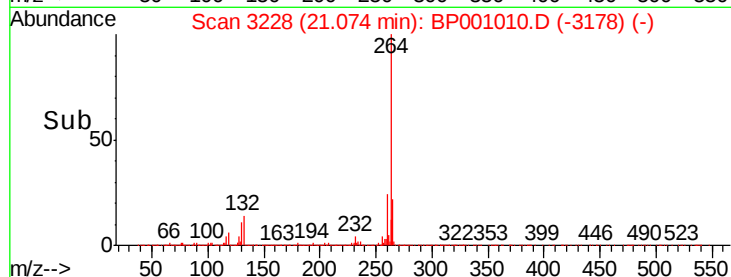
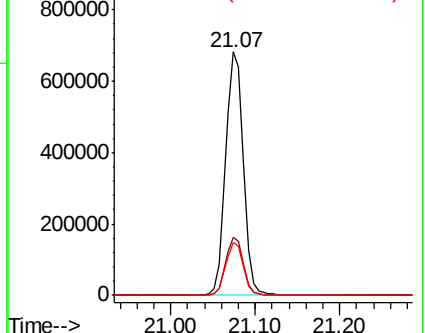
265 22.0 17.1 25.7



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



#88

Benzo(b)fluoranthene

Concen: 7.526 ng

RT: 20.58 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

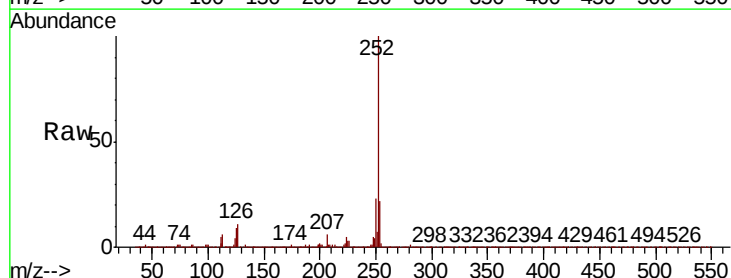
Tgt Ion:252 Resp: 441868

Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

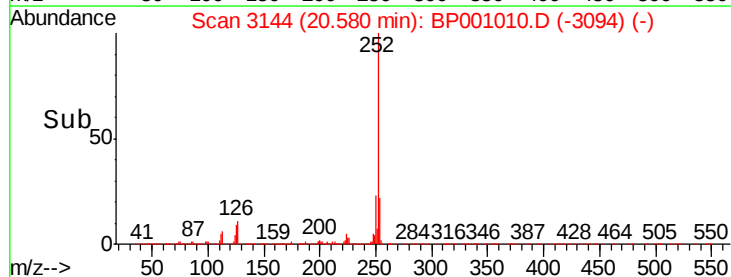
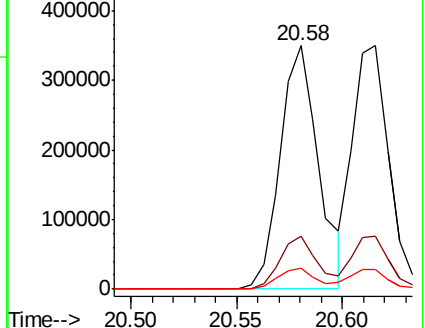
125 8.5 7.3 10.9

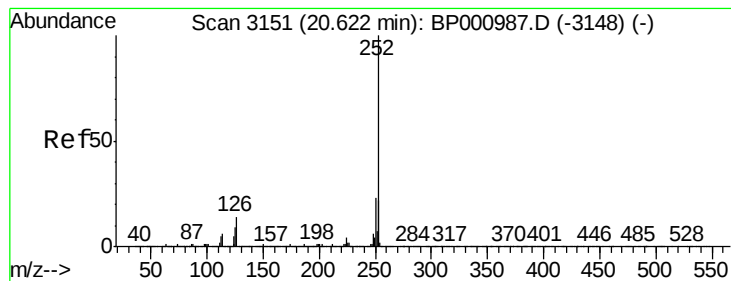


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.693 ng

RT: 20.62 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

Instrument :

BNA_P

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2019

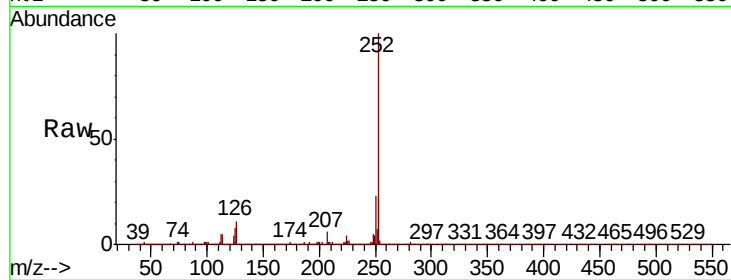
Tot Ion:252 Resp: 425209

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

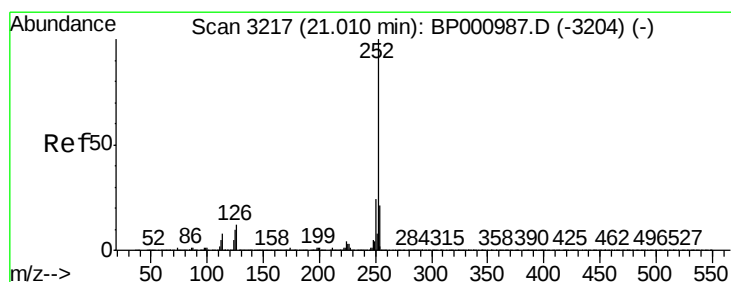
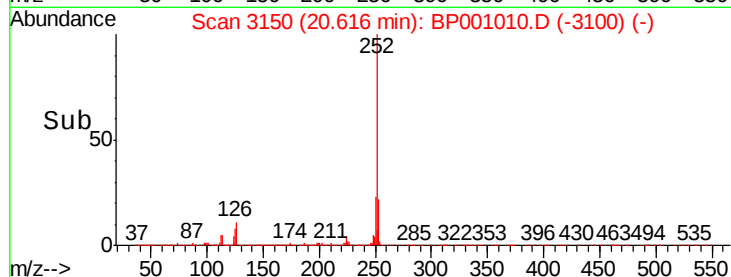
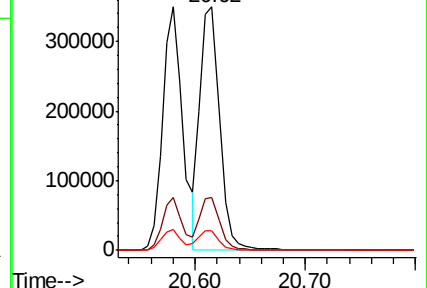
125 7.8 7.3 10.9



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: 7.083 ng

RT: 21.00 min Scan# 3215

Delta R.T. -0.01 min

Lab File: BP001010.D

Acq: 08 Nov 2019 10:16

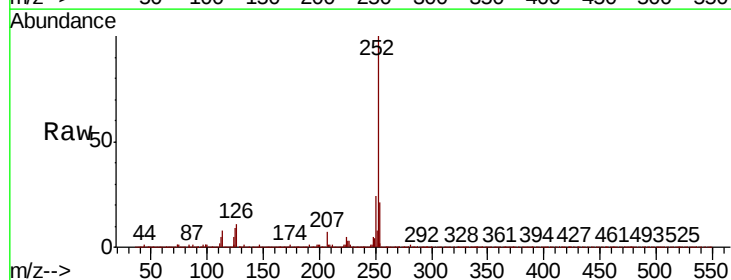
Tgt Ion:252 Resp: 382401

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

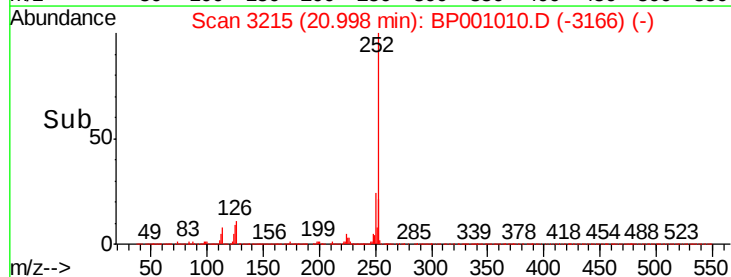
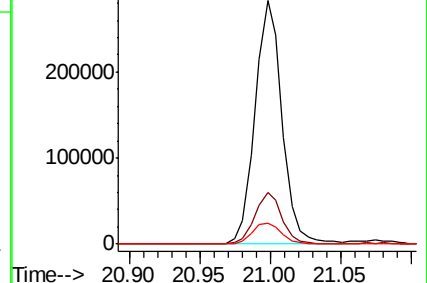
125 8.6 7.6 11.4

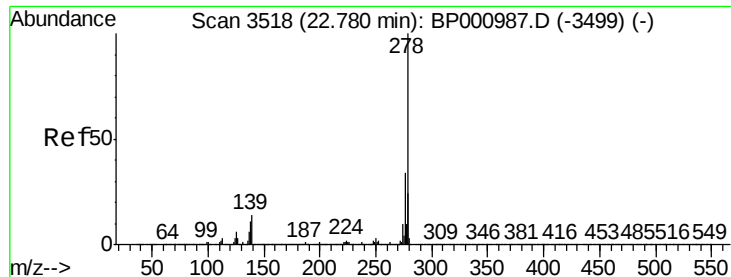


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

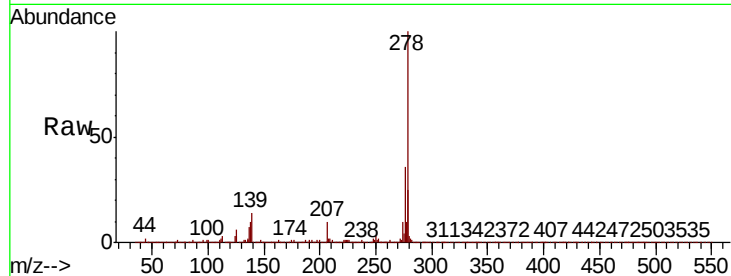




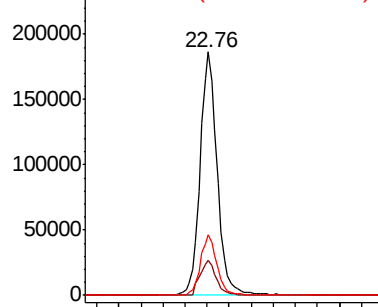
#91
Dibenzo(a,h)anthracene
Concen: 7.407 ng
RT: 22.76 min Scan# 3515
Delta R.T. -0.02 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Instrument :
BNA_P
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019

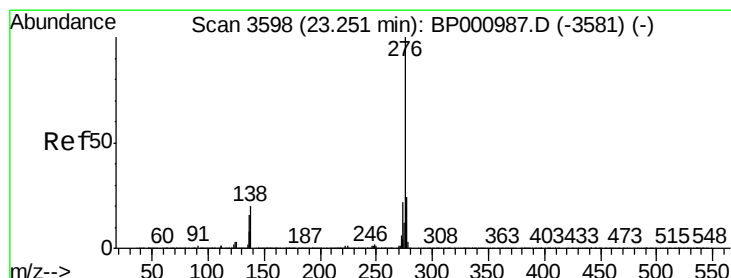
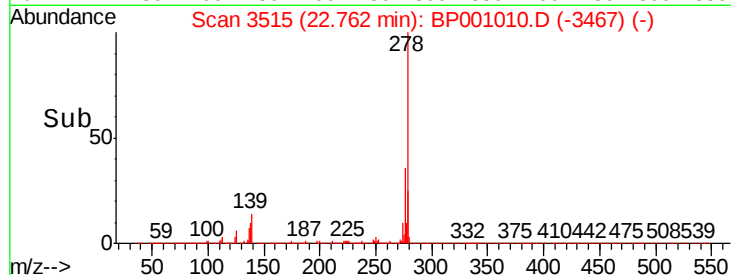
Tot Ion:278	Resp:	408127
Ion Ratio	Lower	Upper
278	100	
139	14.2	11.3 16.9
279	24.7	19.1 28.7



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

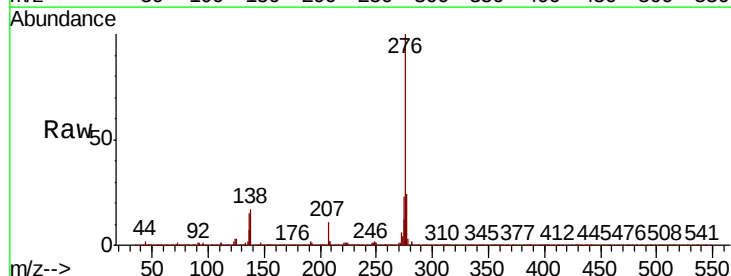


Time-->

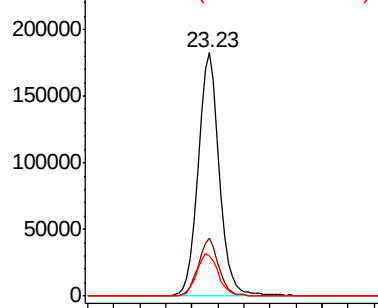


#92
Benzo(g,h,i)perylene
Concen: 7.391 ng
RT: 23.23 min Scan# 3594
Delta R.T. -0.02 min
Lab File: BP001010.D
Acq: 08 Nov 2019 10:16

Tgt Ion:276	Resp:	410079
Ion Ratio	Lower	Upper
276	100	
277	24.0	19.0 28.4
138	16.7	15.7 23.5



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-->

