

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050219\
 Data File : BM020104.D
 Acq On : 02 May 2019 11:27
 Operator : JU/SJ
 Sample : K2551-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: May 06 05:49:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	89294	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	329697	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	204217	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	507412	20.00	ng	0.00
76) Chrysene-d12	21.36	240	568446	20.00	ng	0.00
87) Perylene-d12	23.65	264	610252	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	734345	134.43	ng	0.00
7) Phenol-d6	6.95	99	1082966	145.11	ng	0.00
23) Nitrobenzene-d5	8.96	82	820053	98.20	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	540731	170.59	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	1755963	105.79	ng	0.00
79) Terphenyl-d14	19.80	244	3492152	107.15	ng	0.00

Target Compounds					Qvalue
11) bis(2-Chloroethyl)ether	7.22	93	637233	109.128	ng 98
12) 1,3-Dichlorobenzene	7.67	146	753216	108.837	ng 97
13) 1,4-Dichlorobenzene	7.83	146	2111742	302.059	ng 97
14) 1,2-Dichlorobenzene	8.14	146	2101608	315.528	ng 98
18) Hexachloroethane	8.86	117	369305	126.689	ng 99
19) n-Nitroso-di-n-propylamine	8.60	70	709927	111.188	ng 95
24) Nitrobenzene	9.01	77	2771758	320.117	ng 97
25) Isophorone	9.52	82	3728104	258.877	ng 98
26) 2-Nitrophenol	9.70	139	335249	128.250	ng 96
28) bis(2-Chloroethoxy)methane	10.00	93	905672	115.470	ng 100
30) 1,2,4-Trichlorobenzene	10.45	180	1861272	275.649	ng 98
31) Naphthalene	10.63	128	1956005	114.324	ng 99
36) 4-Chloro-3-methylphenol	11.86	107	940713	145.873	ng 97
44) 2,4,5-Trichlorophenol	12.92	196	862321	169.992	ng 97
47) 2-Chloronaphthalene	13.31	162	2567186	191.286	ng 99
50) Dimethylphthalate	13.90	163	5378692	309.889	ng 99
51) 2,6-Dinitrotoluene	14.02	165	479454	131.152	ng 100
52) Acenaphthene	14.50	154	1254032	101.814	ng 98
55) Dibenzofuran	14.83	168	1480528	71.263	ng 99
57) 2,4-Dinitrotoluene	14.81	165	1130464	227.574	ng 94
58) Fluorene	15.48	166	2993442	175.439	ng 100
61) 4-Chlorophenyl-phenylether	15.48	204	2272744	235.087	ng 94
67) 4-Bromophenyl-phenylether	16.37	248	1260075	202.513	ng 95
68) Hexachlorobenzene	16.47	284	580558	81.082	ng 97
71) Phenanthrene	17.22	178	3666421	130.899	ng 99
80) Butylbenzylphthalate	20.50	149	3793668	273.344	ng 96
81) Benzo(a)anthracene	21.35	228	5681672	142.523	ng 99
84) Bis(2-ethylhexyl)phthalate	21.27	149	8042724	373.453	ng 97
85) Di-n-octyl phthalate	22.17	149	2301150	64.288	ng 99
90) Benzo(a)pyrene	23.56	252	3860476	105.467	ng 99
91) Dibenzo(a,h)anthracene	26.00	278	3907225	102.643	ng 99
92) Benzo(a,h,i)perylene	26.69	276	2059505	56.987	ng 99

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QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration

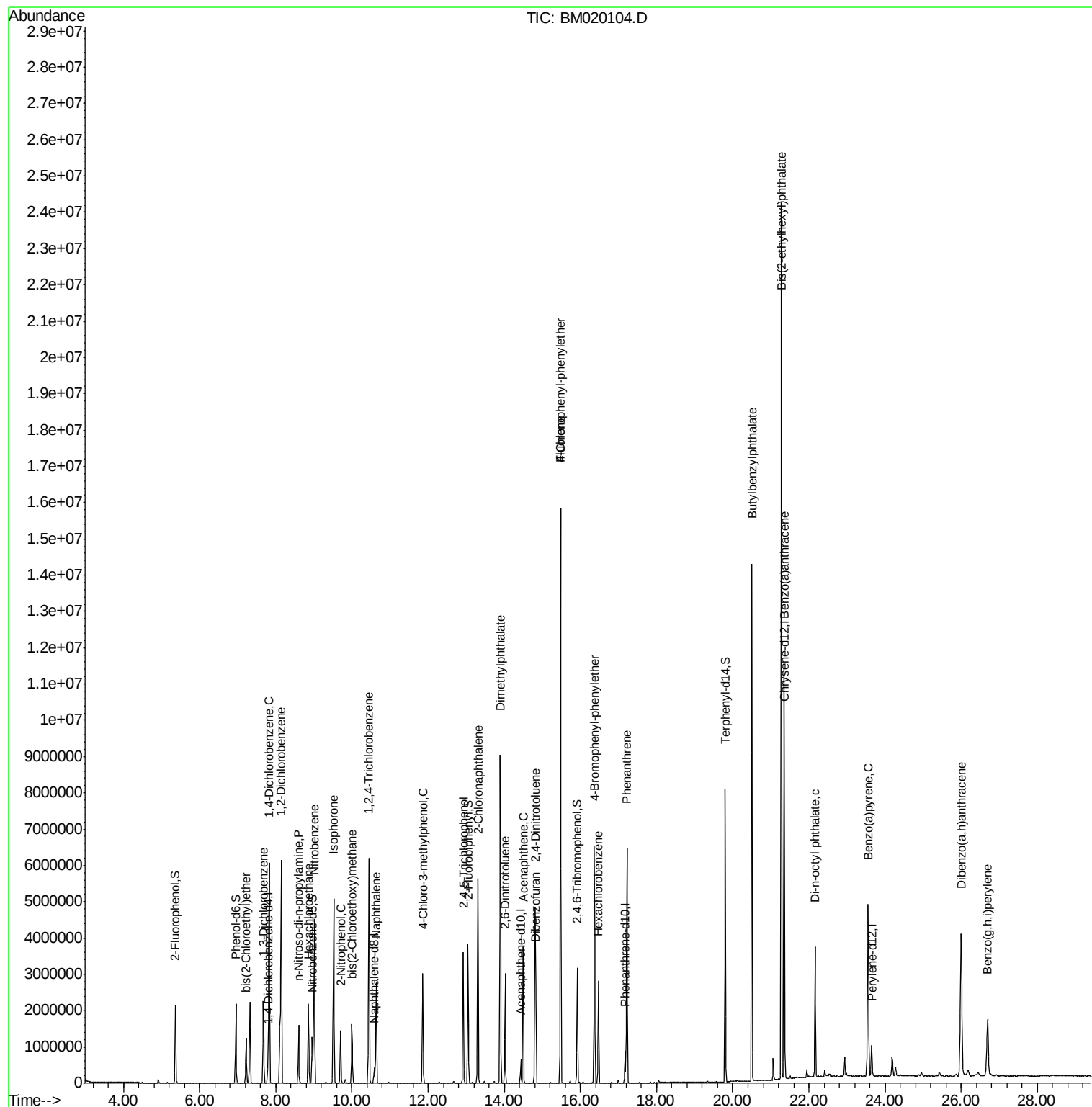
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

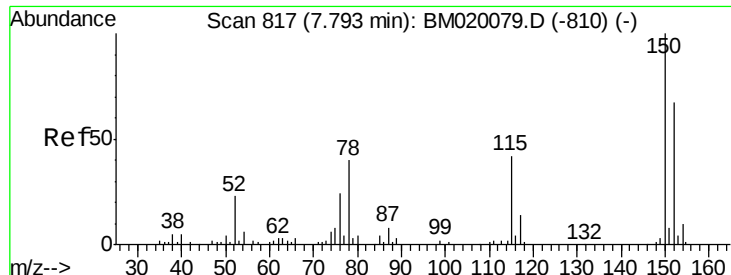
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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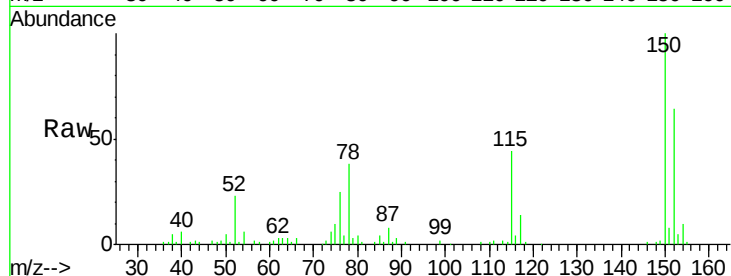


#1

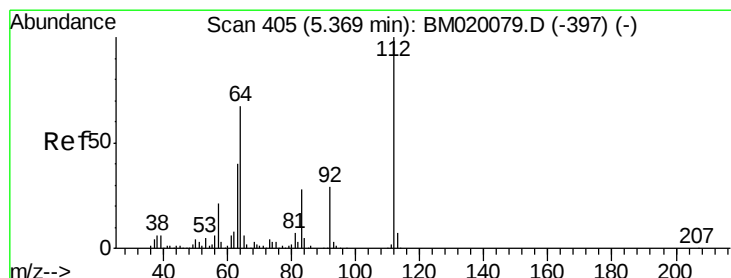
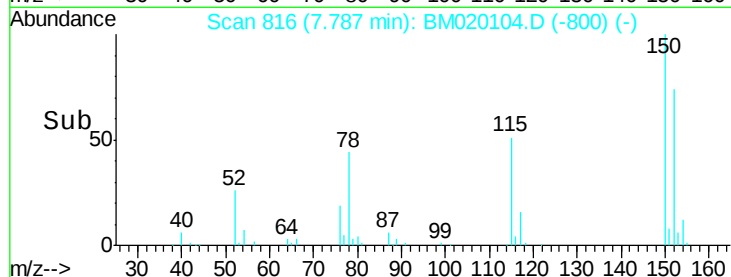
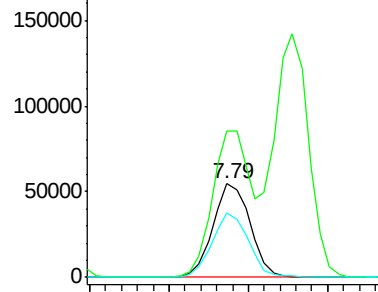
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion:152 Resp: 89294
Ion Ratio Lower Upper
152 100
150 156.3 119.8 179.8
115 68.6 50.8 76.2



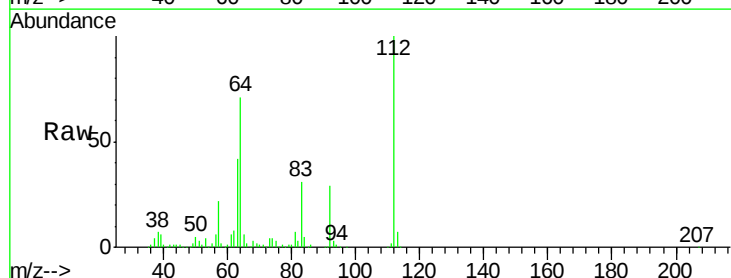
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



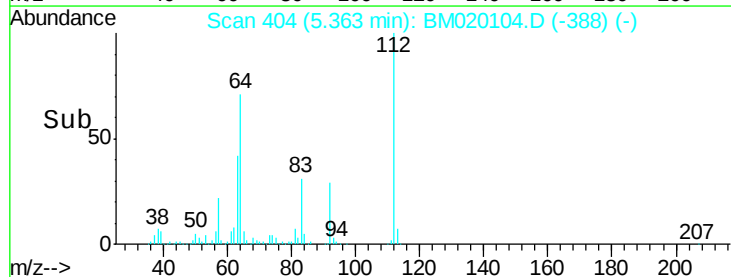
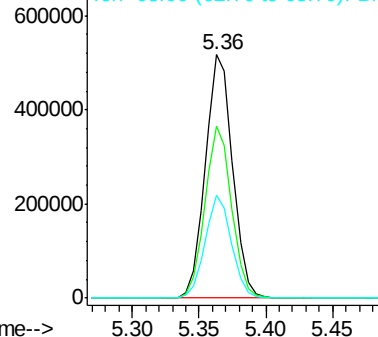
#5

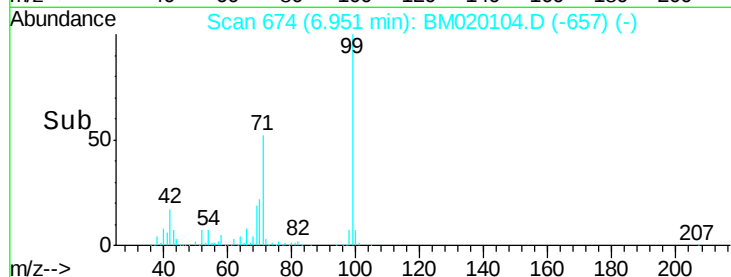
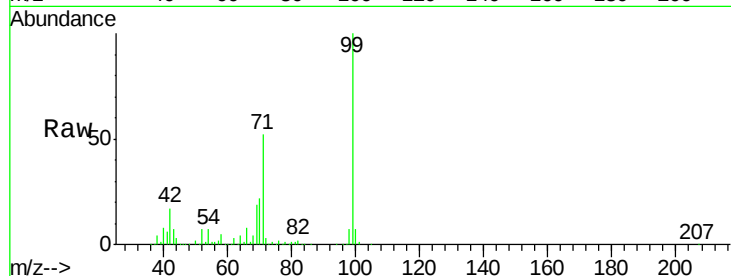
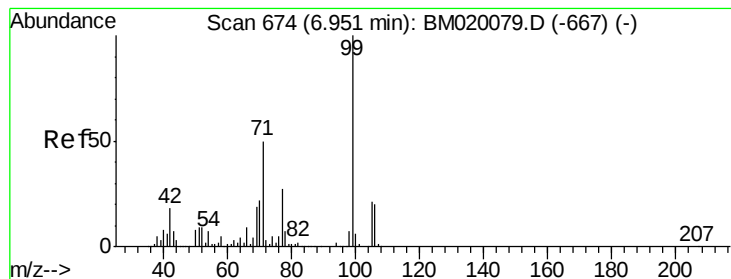
2-Fluorophenol
Concen: 134.427 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Tgt Ion:112 Resp: 734345
Ion Ratio Lower Upper
112 100
64 70.5 53.8 80.6
63 42.2 32.3 48.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 145.113 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

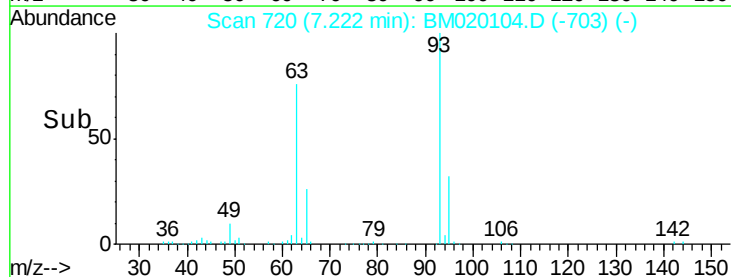
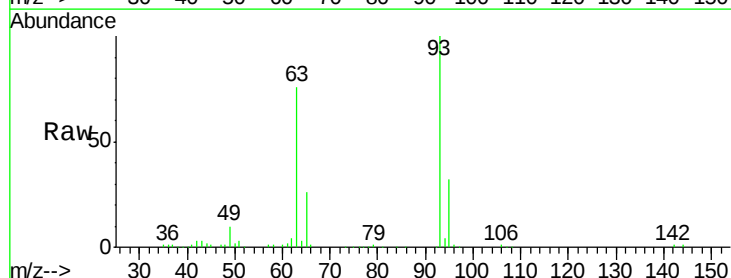
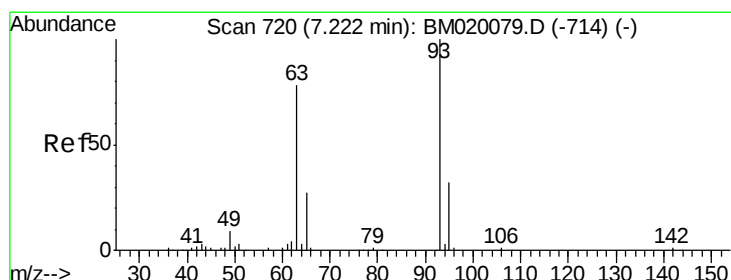
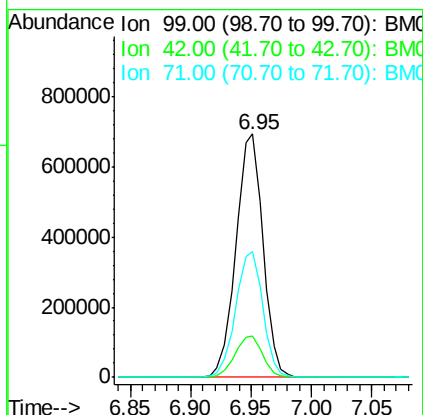
Tot Ion: 99 Resp: 1082966

Ion Ratio Lower Upper

99 100

42 16.8 14.2 21.2

71 51.7 40.3 60.5



#11

bis(2-Chloroethyl)ether

Concen: 109.128 ng

RT: 7.22 min Scan# 720

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

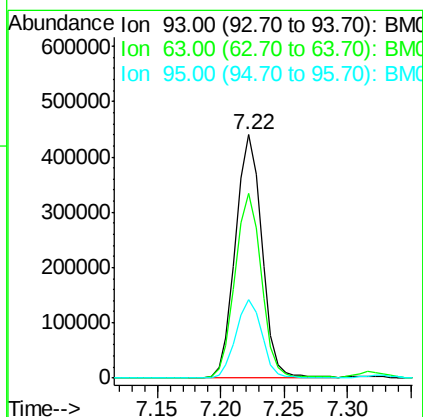
Tgt Ion: 93 Resp: 637233

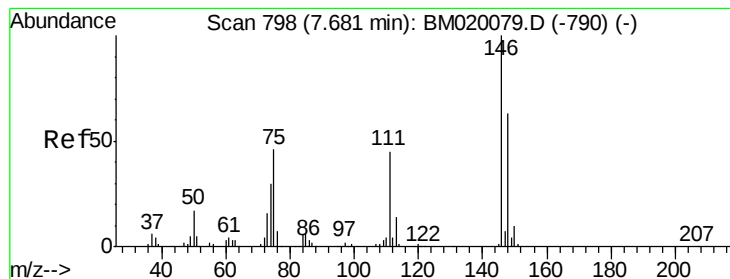
Ion Ratio Lower Upper

93 100

63 75.8 57.9 97.9

95 32.2 11.3 51.3





#12

1,3-Dichlorobenzene

Concen: 108.837 ng

RT: 7.67 min Scan# 797

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

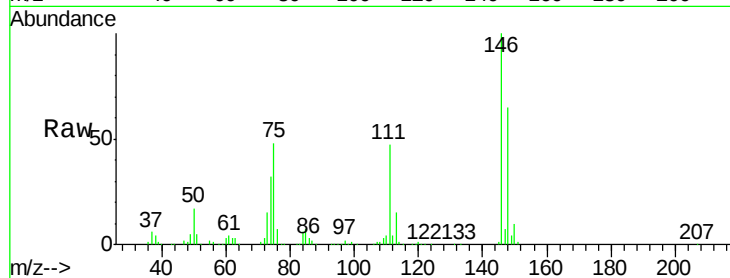
Tot Ion:146 Resp: 753216

Ion Ratio Lower Upper

146 100

148 65.2 50.1 75.1

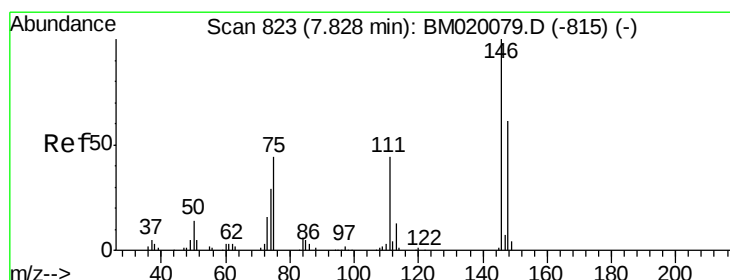
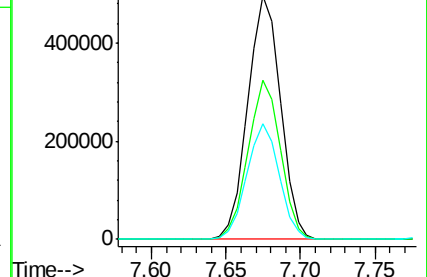
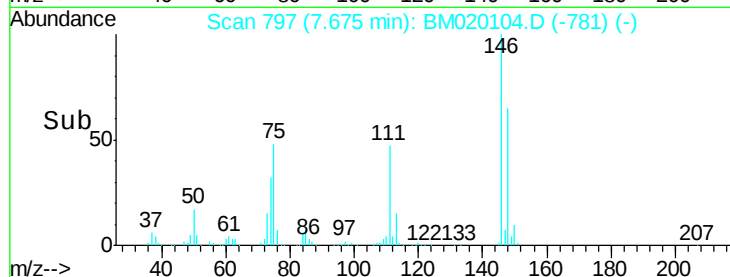
75 47.6 37.2 55.8



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): BM



#13

1,4-Dichlorobenzene

Concen: 302.059 ng

RT: 7.83 min Scan# 823

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

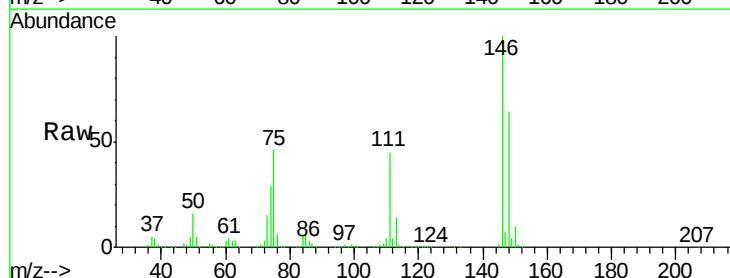
Tgt Ion:146 Resp: 2111742

Ion Ratio Lower Upper

146 100

148 64.2 48.5 72.7

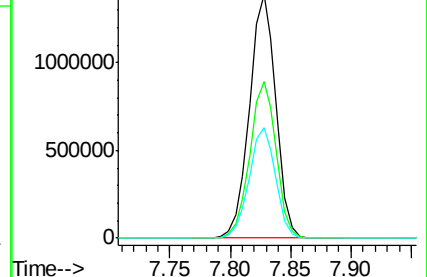
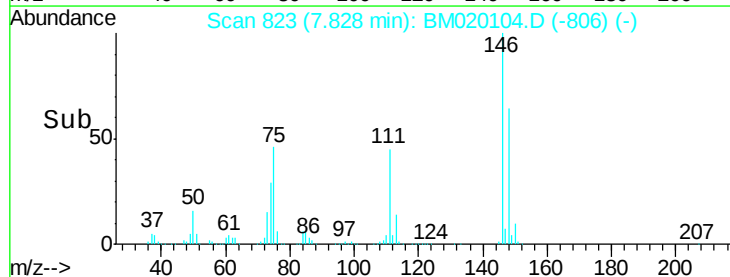
111 45.2 35.7 53.5

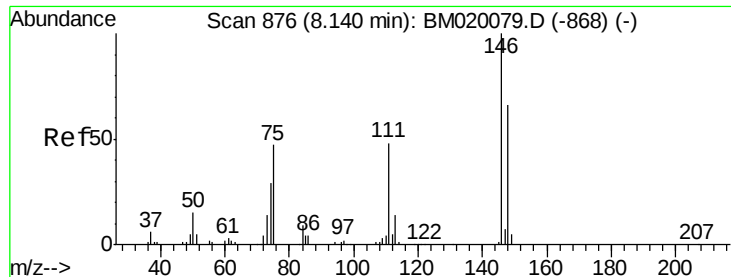


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 315.528 ng

RT: 8.14 min Scan# 876

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

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ClientSampleId :

PT-BNA-SOIL

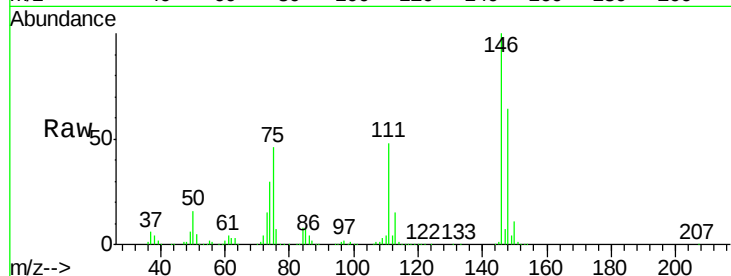
Tot Ion:146 Resp: 2101608

Ion Ratio Lower Upper

146 100

148 63.8 52.6 79.0

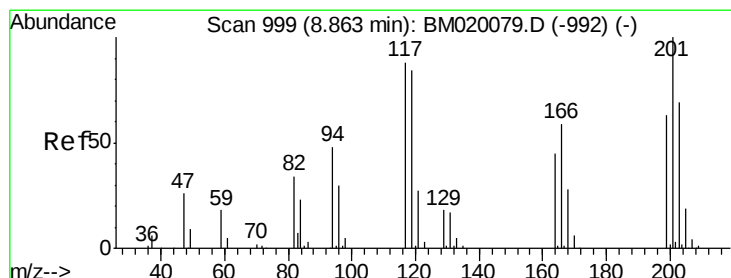
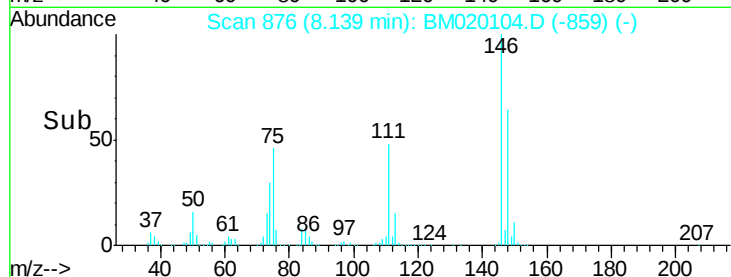
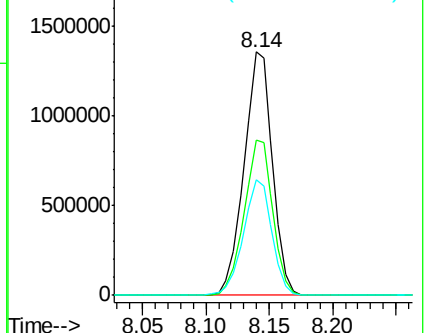
111 47.5 39.0 58.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 126.689 ng

RT: 8.86 min Scan# 998

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

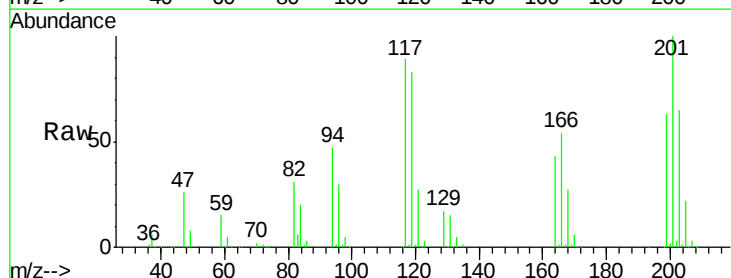
Tgt Ion:117 Resp: 369305

Ion Ratio Lower Upper

117 100

119 93.7 76.6 114.8

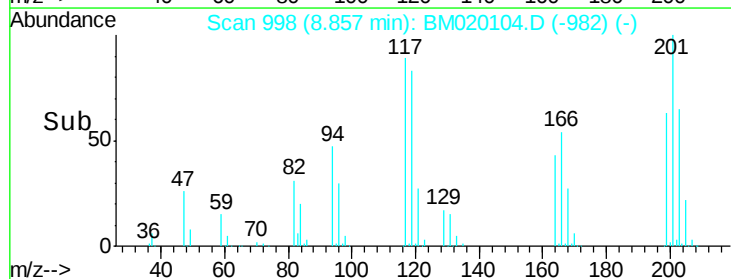
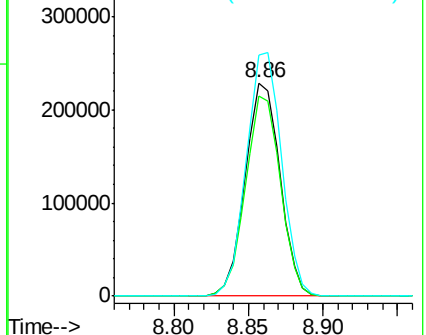
201 112.9 90.7 136.1

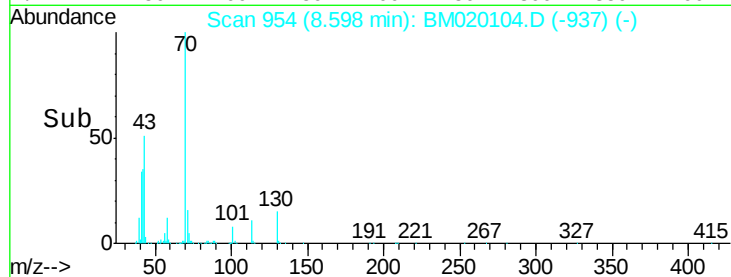
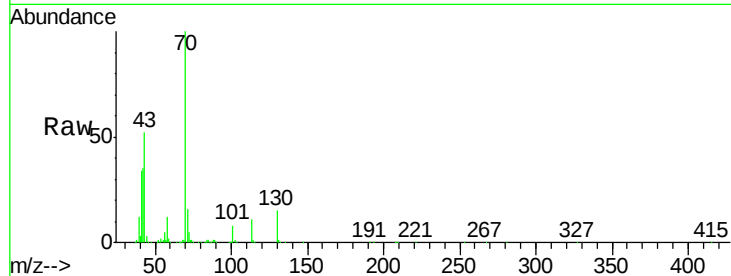
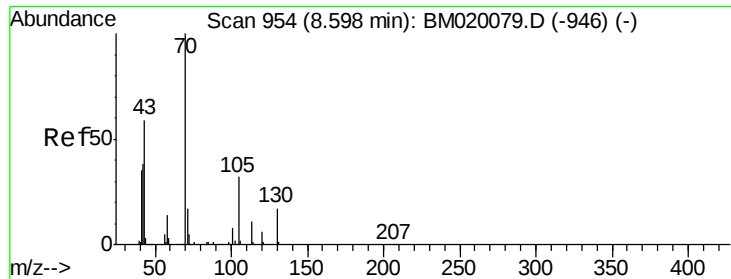


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

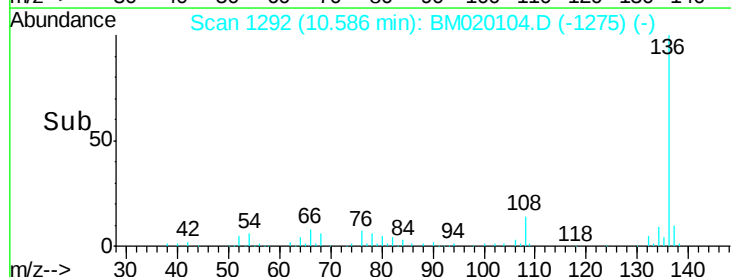
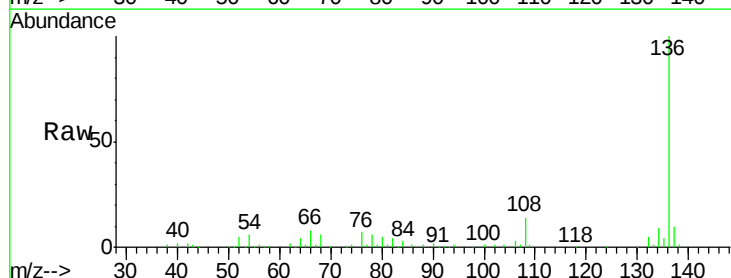
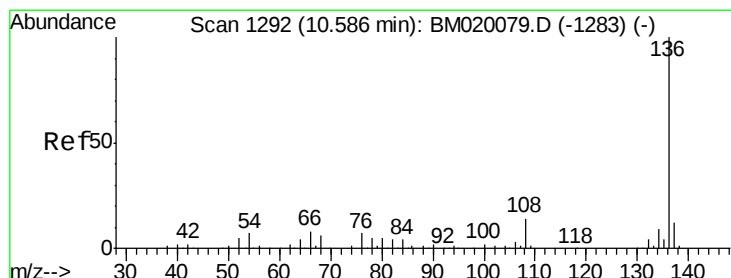
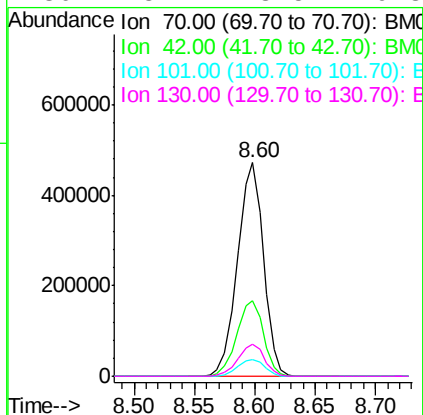




#19
n-Nitroso-di-n-propylamine
Concen: 111.188 ng
RT: 8.60 min Scan# 954
Delta R.T. -0.00 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

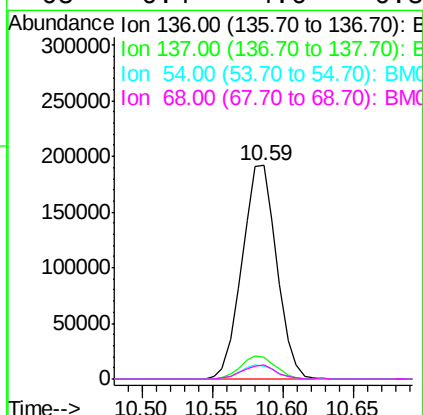
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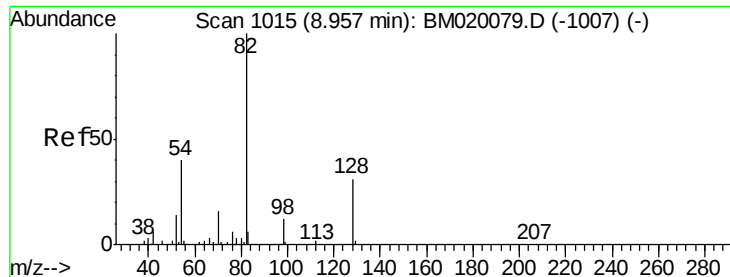
Tot Ion	Ratio	Lower	Upper
70	100		
42	35.3	31.0	46.4
101	8.0	6.2	9.2
130	15.1	13.5	20.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.59 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.6	14.4
54	6.3	5.5	8.3
68	6.4	4.6	6.8

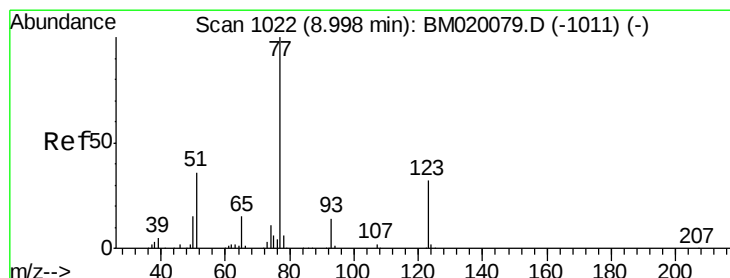
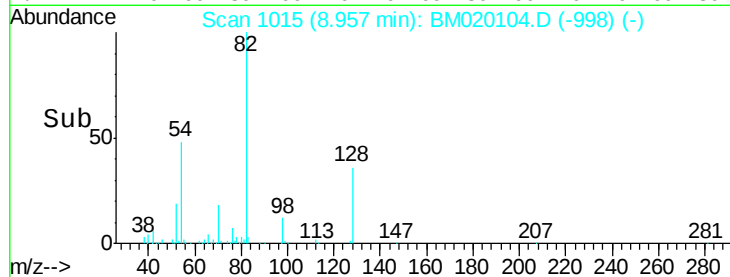
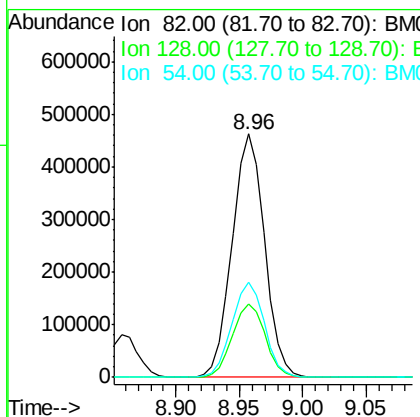
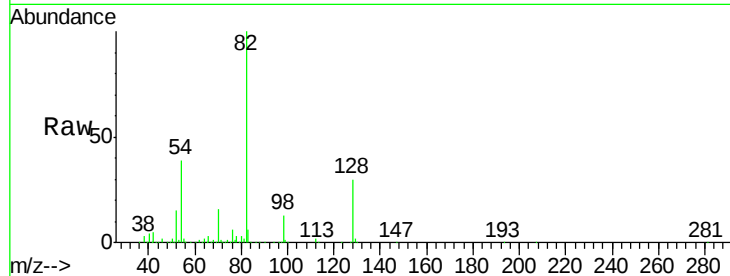




#23
 Nitrobenzene-d5
 Concen: 98.199 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

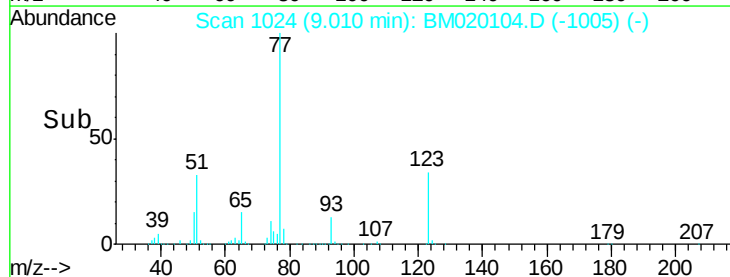
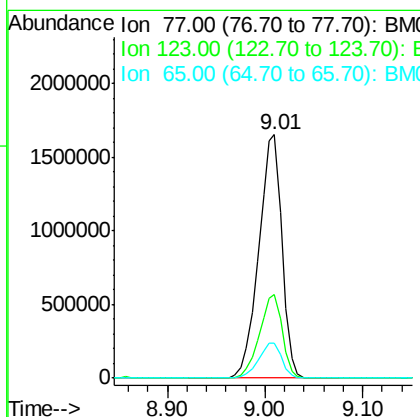
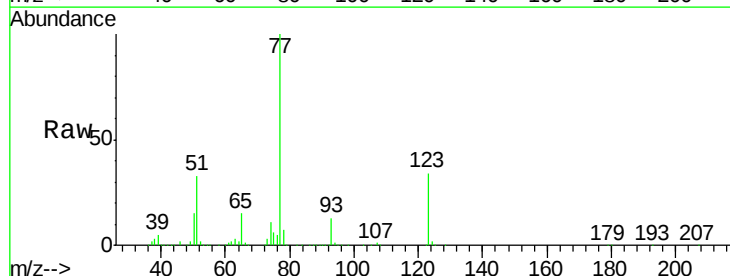
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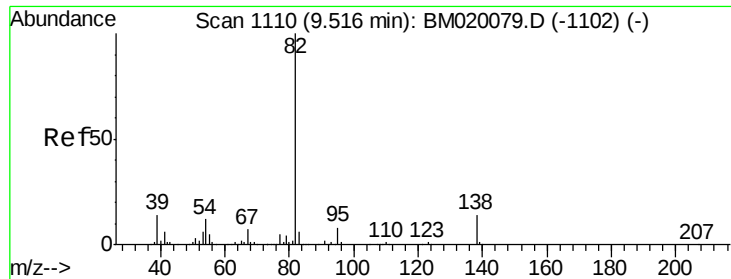
Tot Ion	82	Resp	820053
Ion Ratio	Lower	Upper	
82	100		
128	30.0	25.2	37.8
54	39.3	31.9	47.9



#24
 Nitrobenzene
 Concen: 320.117 ng
 RT: 9.01 min Scan# 1024
 Delta R.T. 0.01 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

Tgt Ion	77	Resp	2771758
Ion Ratio	Lower	Upper	
77	100		
123	34.3	25.5	38.3
65	14.6	11.8	17.6





#25

Isophorone

Concen: 258.877 ng

RT: 9.52 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

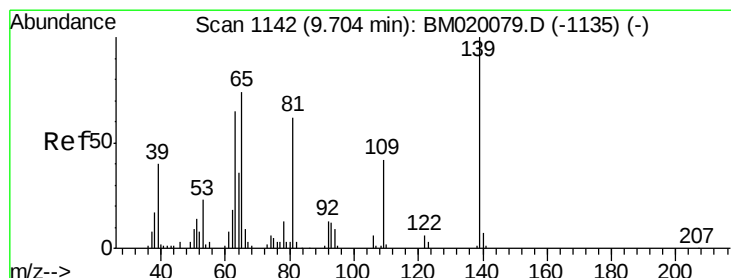
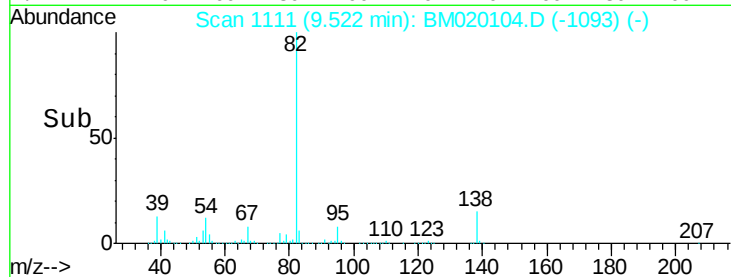
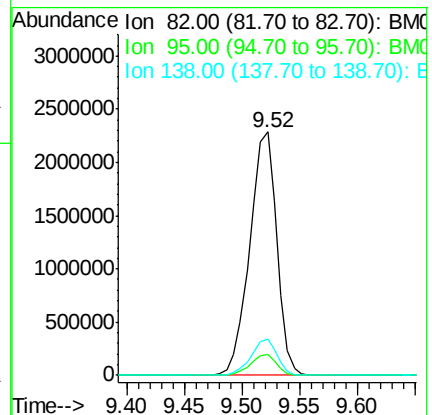
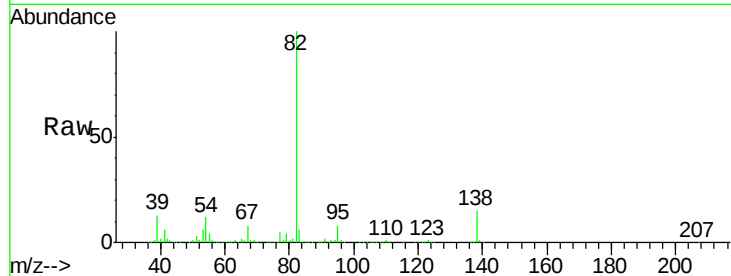
Tot Ion: 82 Resp: 3728104

Ion Ratio Lower Upper

82 100

95 8.4 6.4 9.6

138 14.8 11.1 16.7



#26

2-Nitrophenol

Concen: 128.250 ng

RT: 9.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

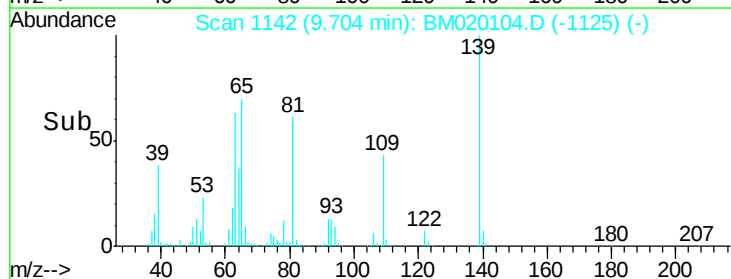
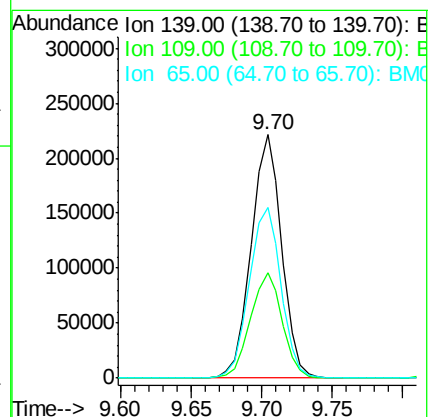
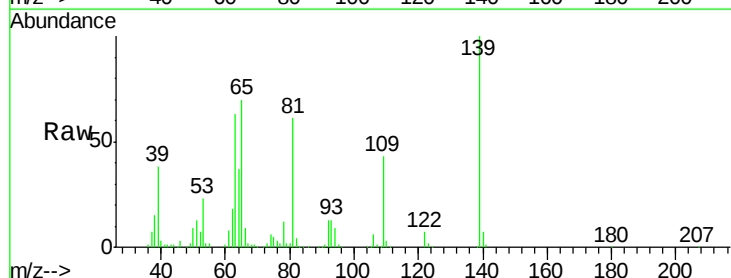
Tgt Ion: 139 Resp: 335249

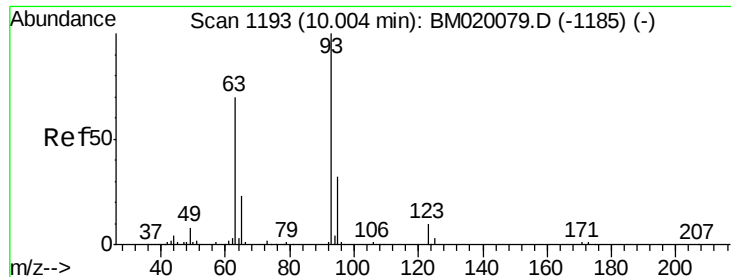
Ion Ratio Lower Upper

139 100

109 43.2 33.7 50.5

65 70.2 59.5 89.3

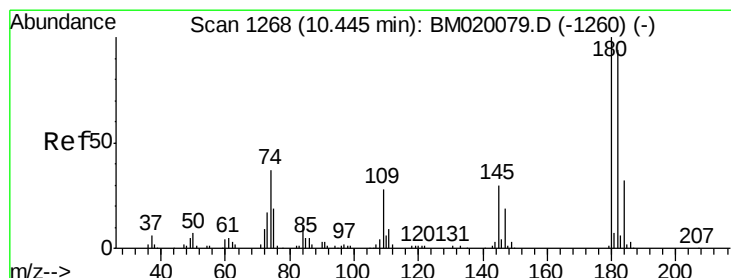
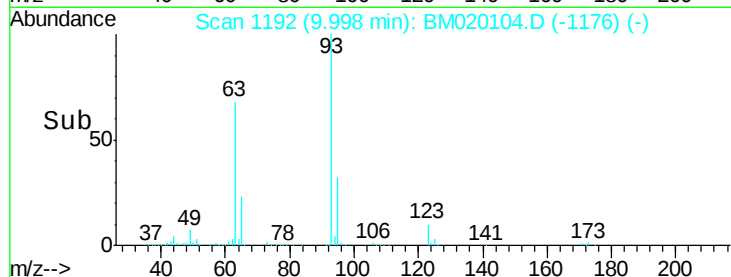
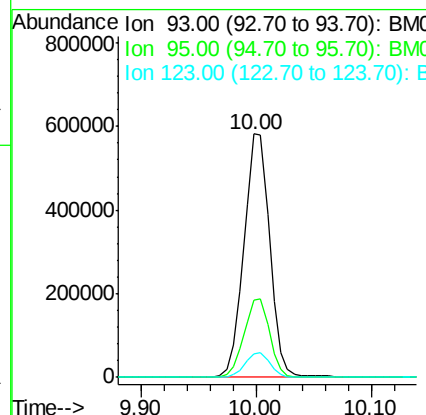
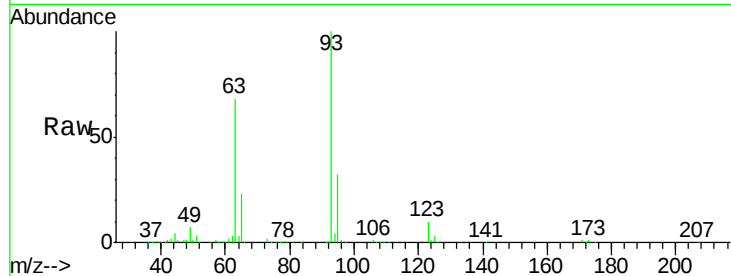




#28
 bis(2-Chloroethoxy)methane
 Concen: 115.470 ng
 RT: 10.00 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

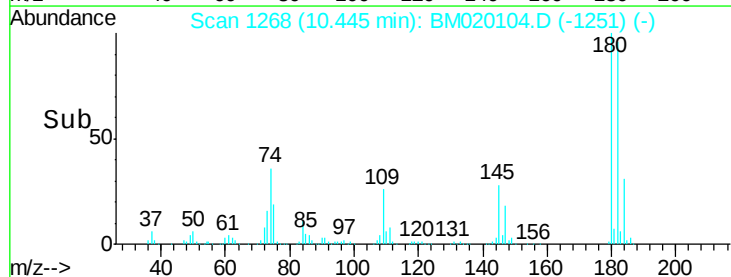
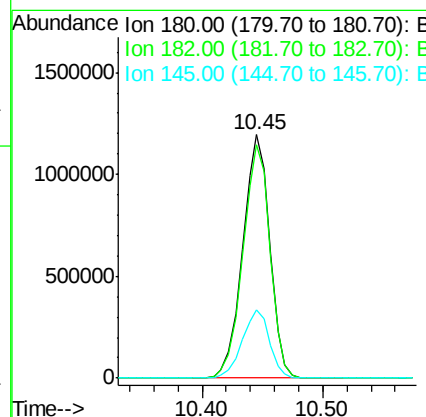
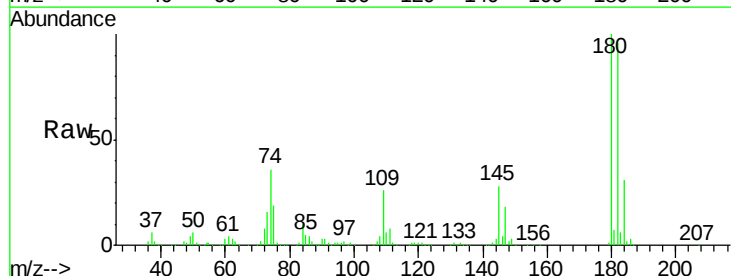
Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

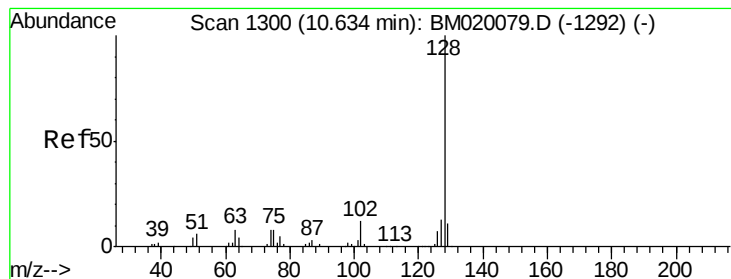
Tot Ion: 93 Resp: 905672
 Ion Ratio Lower Upper
 93 100
 95 31.8 25.5 38.3
 123 9.6 7.6 11.4



#30
 1,2,4-Trichlorobenzene
 Concen: 275.649 ng
 RT: 10.45 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

Tgt Ion: 180 Resp: 1861272
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.4 113.0
 145 28.0 23.8 35.8





#31

Naphthalene

Concen: 114.324 ng

RT: 10.63 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

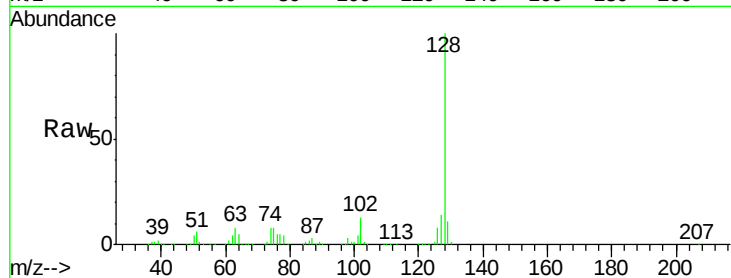
Tot Ion:128 Resp: 1956005

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

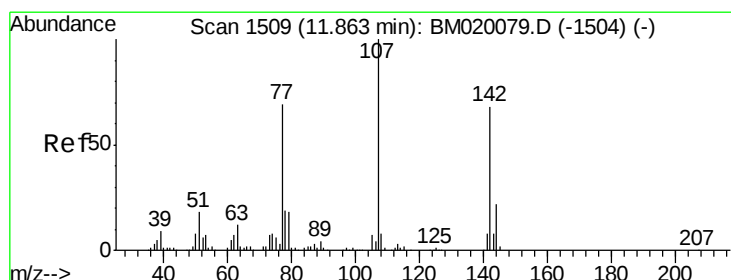
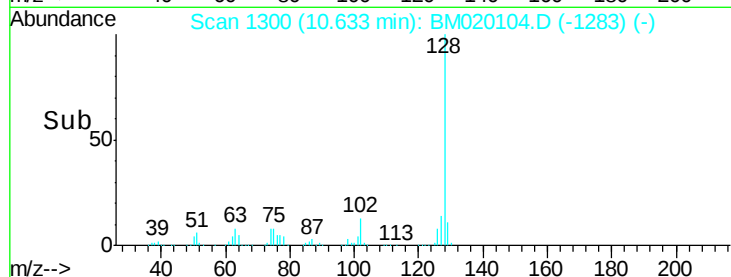
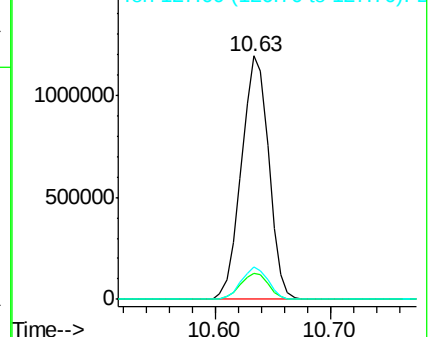
127 13.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#36

4-Chloro-3-methylphenol

Concen: 145.873 ng

RT: 11.86 min Scan# 1508

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

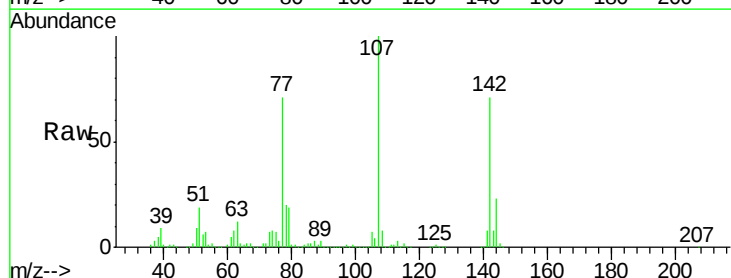
Tgt Ion:107 Resp: 940713

Ion Ratio Lower Upper

107 100

144 23.1 17.6 26.4

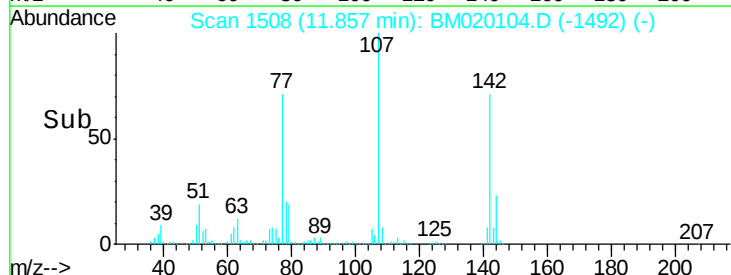
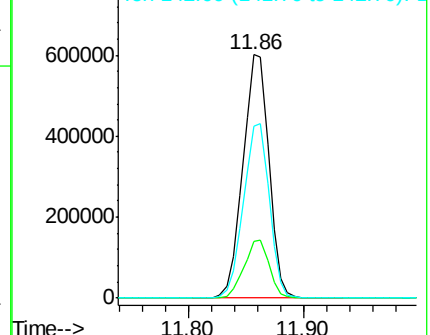
142 70.8 54.6 82.0

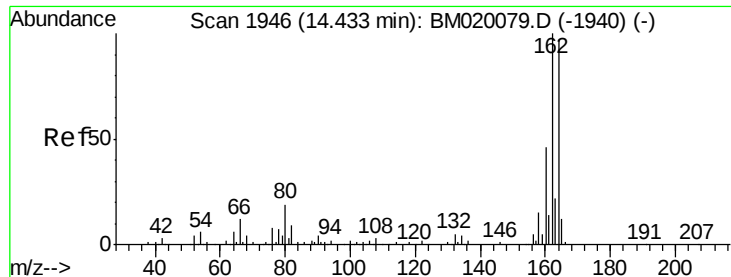


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

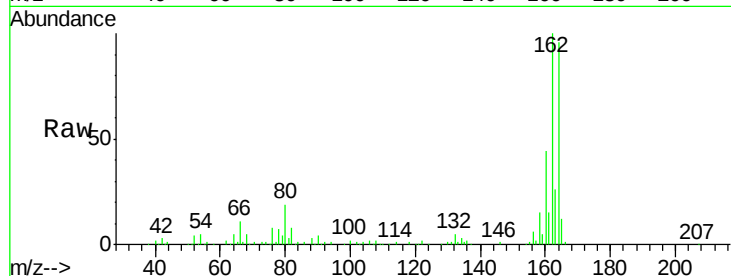
BNA_M

ClientSampleId :

PT-BNA-SOIL

Tot Ion:164 Resp: 204217

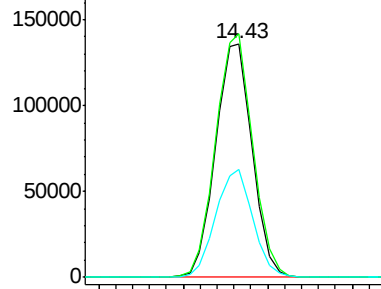
Ion	Ratio	Lower	Upper
164	100		
162	104.2	82.2	123.2
160	46.1	37.6	56.4



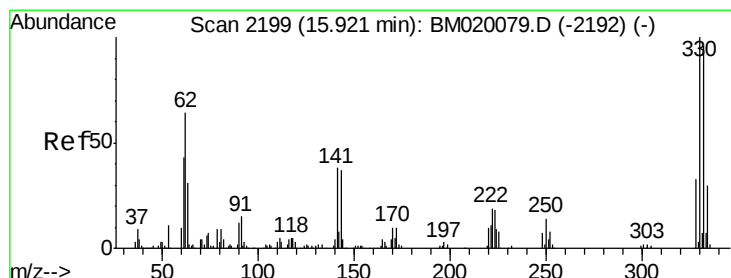
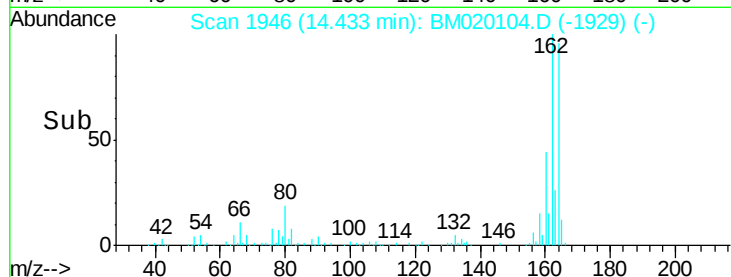
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#42

2,4,6-Tribromophenol

Concen: 170.587 ng

RT: 15.92 min Scan# 2199

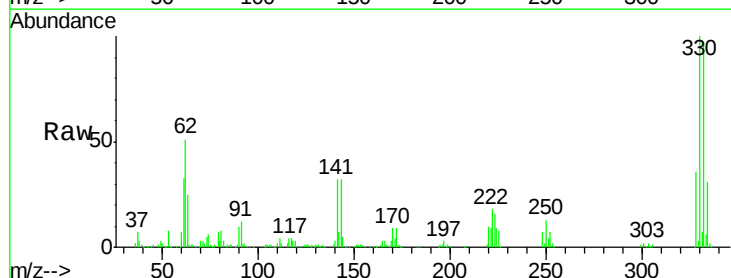
Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Tgt Ion:330 Resp: 540731

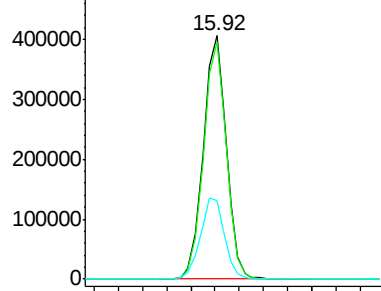
Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	34.5	29.2	43.8



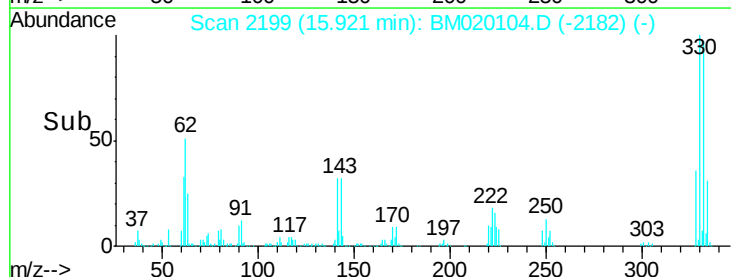
Abundance Ion 329.80 (329.50 to 330.50): E

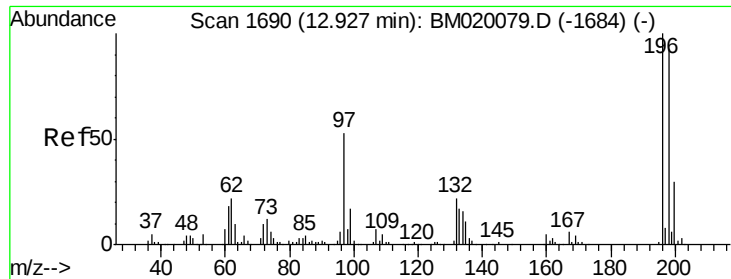
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

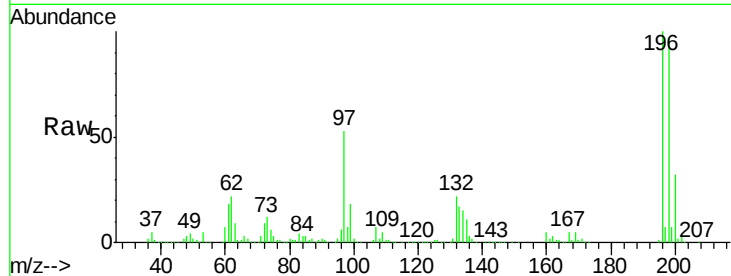




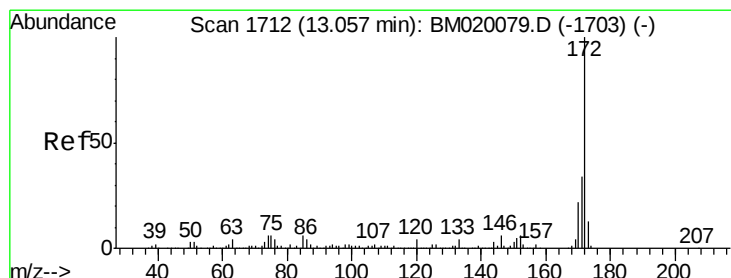
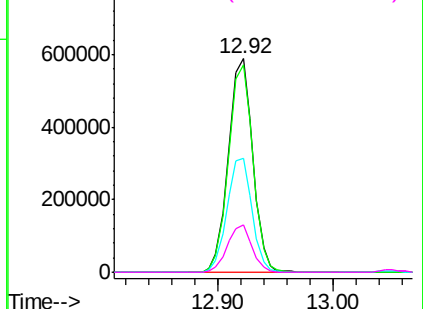
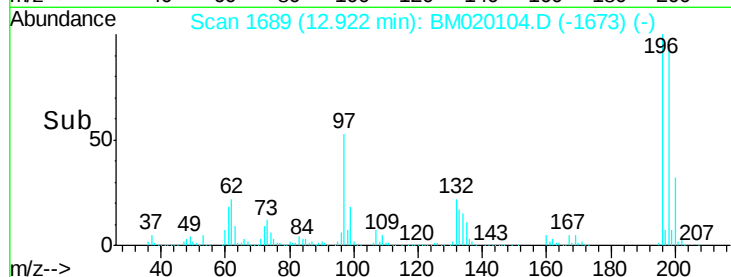
#44
 2,4,5-Trichlorophenol
 Concen: 169.992 ng
 RT: 12.92 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:196 Resp: 862321
 Ion Ratio Lower Upper
 196 100
 198 97.2 74.7 112.1
 97 53.5 42.2 63.4
 132 22.3 17.8 26.8

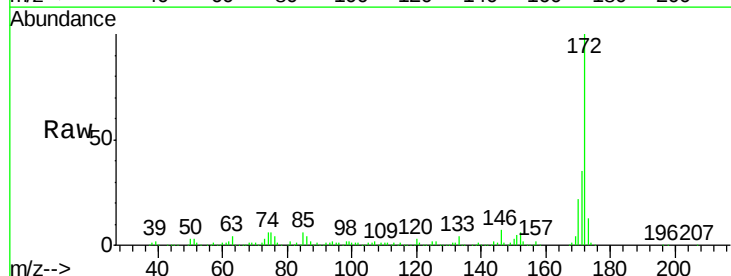


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BMO
 Ion 132.00 (131.70 to 132.70): E

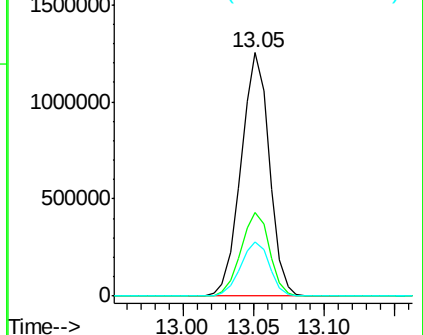
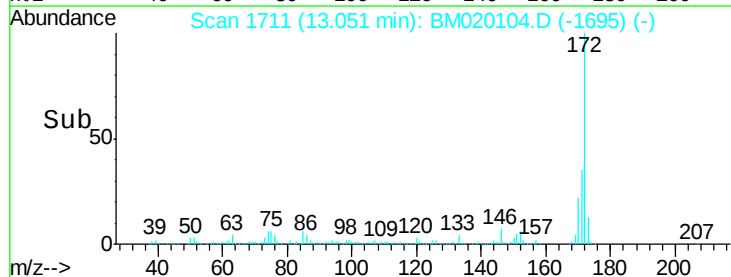


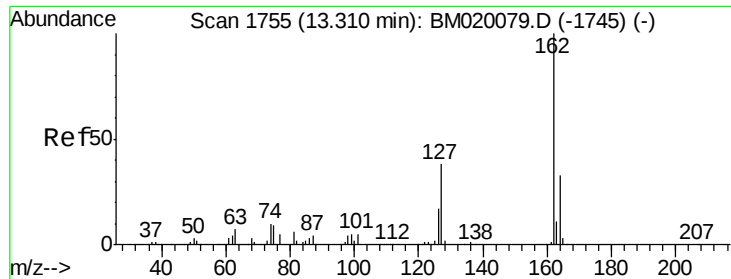
#45
 2-Fluorobiphenyl
 Concen: 105.793 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

Tgt Ion:172 Resp: 1755963
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.3 40.9
 170 22.5 17.9 26.9



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

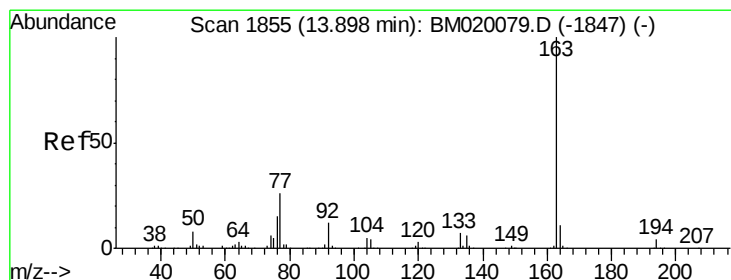
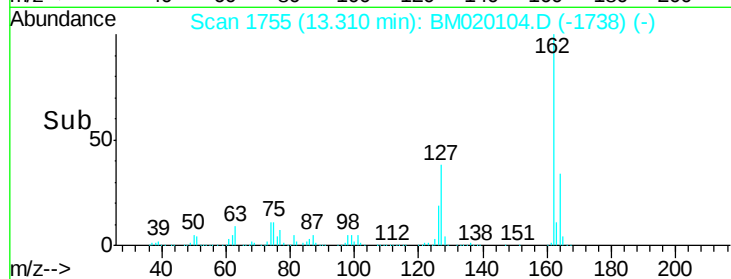
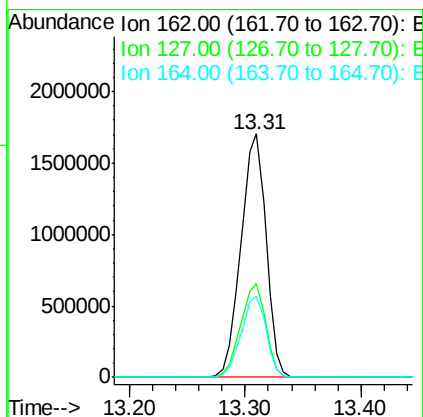
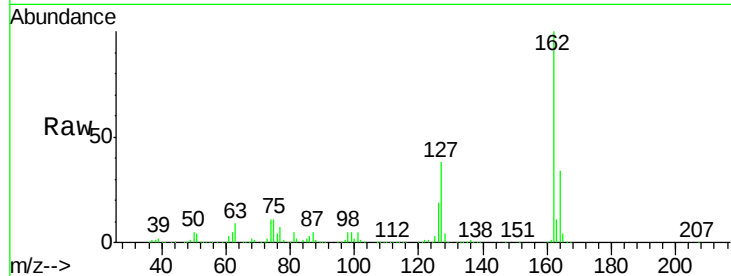




#47
 2-Chloronaphthalene
 Concen: 191.286 ng
 RT: 13.31 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

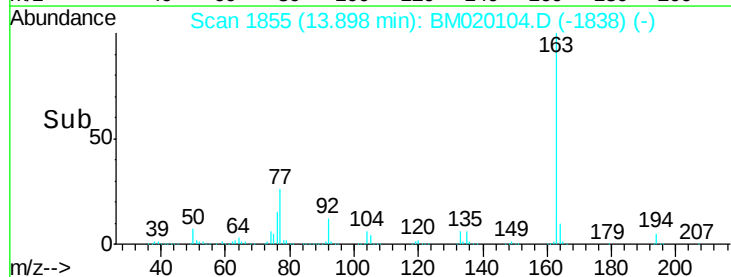
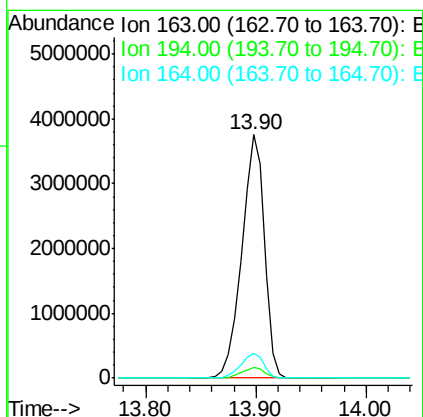
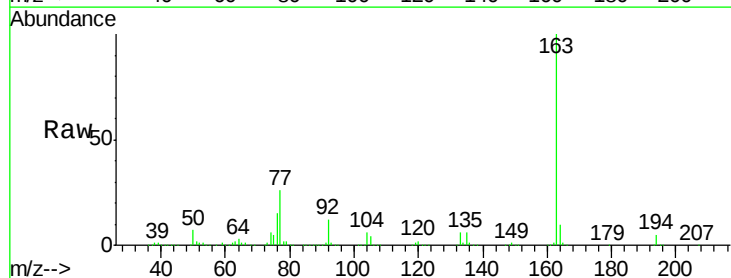
Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

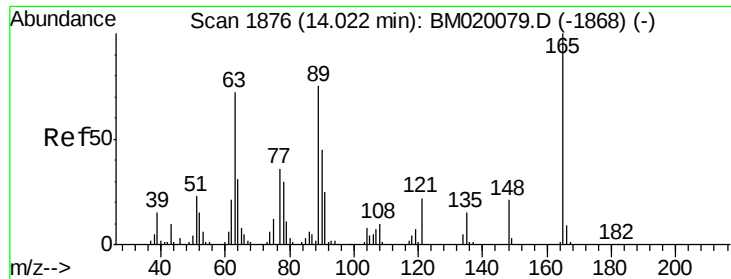
Tot Ion:162 Resp: 2567186
 Ion Ratio Lower Upper
 162 100
 127 38.4 31.0 46.4
 164 33.5 26.2 39.2



#50
 Dimethylphthalate
 Concen: 309.889 ng
 RT: 13.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

Tgt Ion:163 Resp: 5378692
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.6 5.4
 164 10.2 8.4 12.6

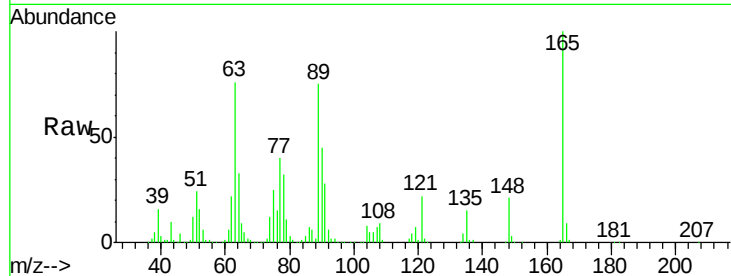




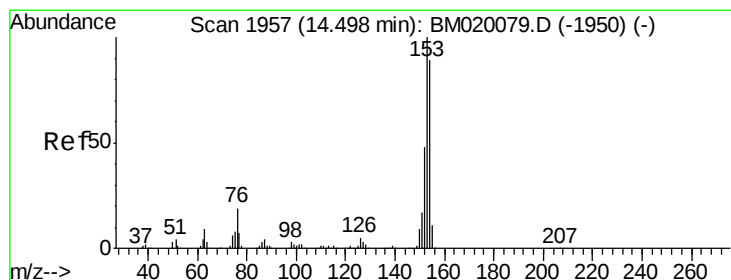
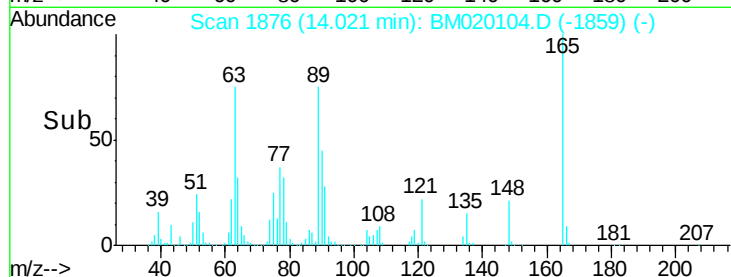
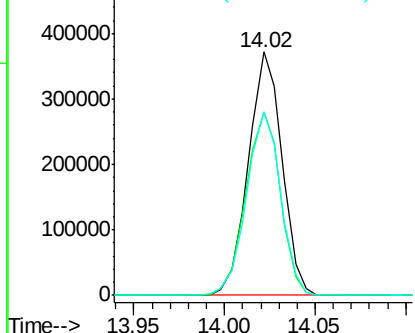
#51
 2,6-Dinitrotoluene
 Concen: 131.152 ng
 RT: 14.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
165	100		
63	75.6	60.3	90.5
89	75.2	59.8	89.6

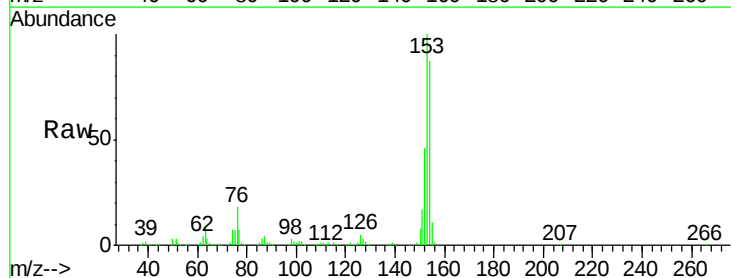


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM
 Ion 89.00 (88.70 to 89.70): BM

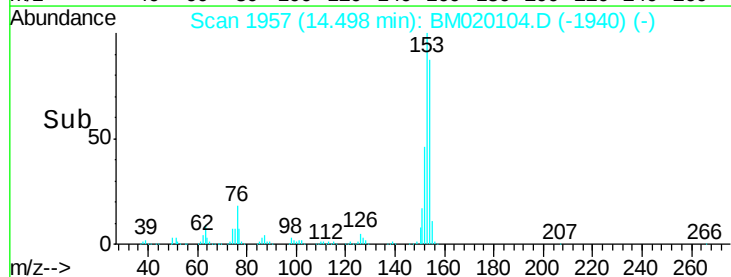
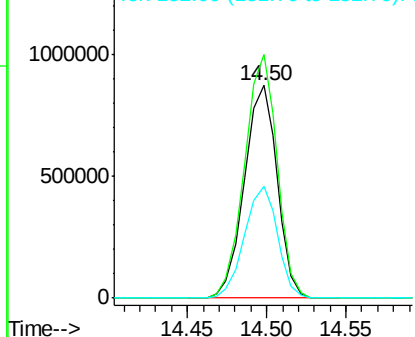


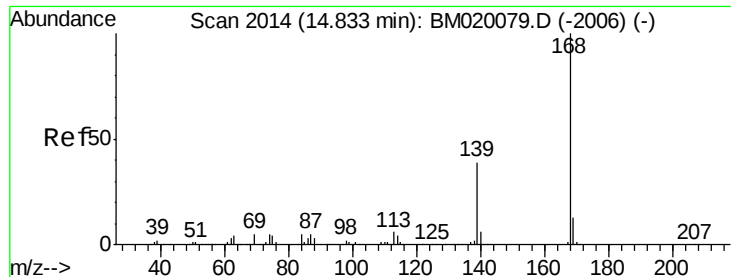
#52
 Acenaphthene
 Concen: 101.814 ng
 RT: 14.50 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BM020104.D
 Acq: 02 May 2019 11:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.5	90.2	135.2
152	52.7	43.0	64.4



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

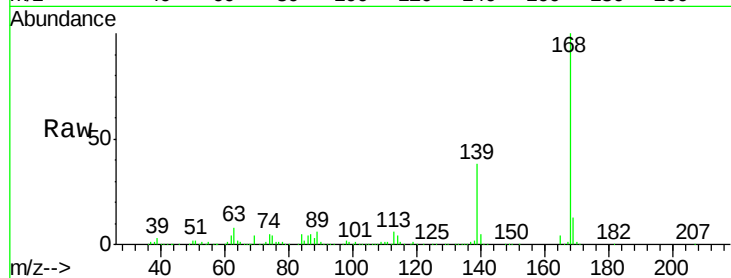




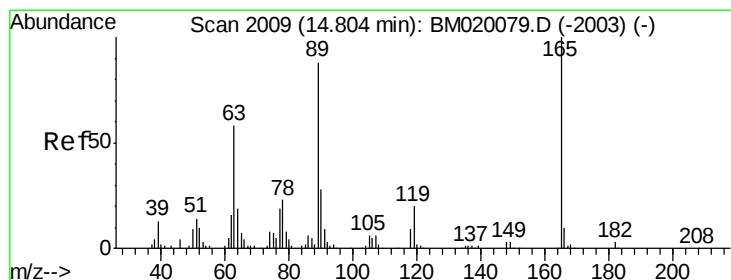
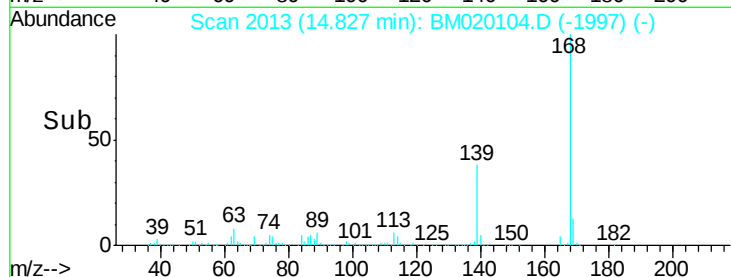
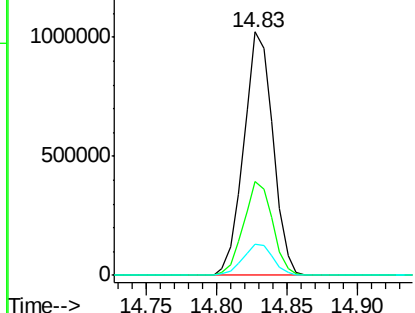
#55
Dibenzenofuran
Concen: 71.263 ng
RT: 14.83 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion:168 Resp: 1480528
Ion Ratio Lower Upper
168 100
139 38.3 31.1 46.7
169 13.0 10.6 16.0

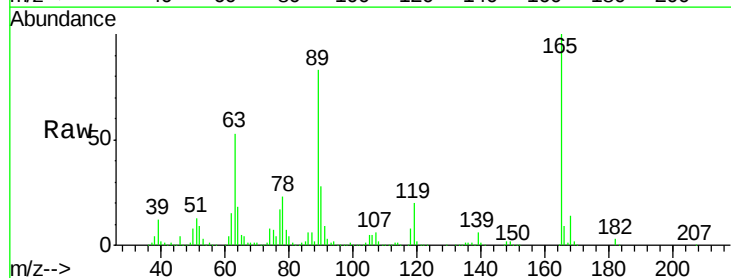


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

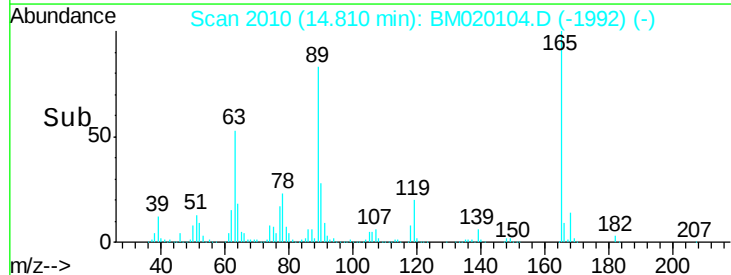
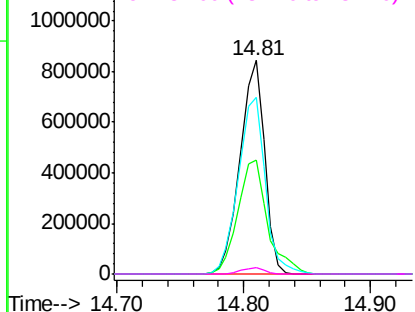


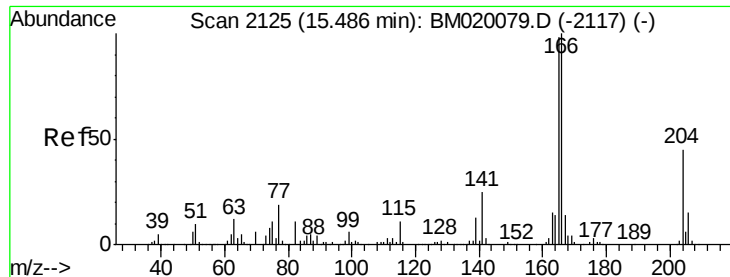
#57
2,4-Dinitrotoluene
Concen: 227.574 ng
RT: 14.81 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Tgt Ion:165 Resp: 1130464
Ion Ratio Lower Upper
165 100
63 53.4 46.2 69.2
89 83.0 70.6 105.8
182 2.8 2.2 3.2



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0
Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 175.439 ng

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

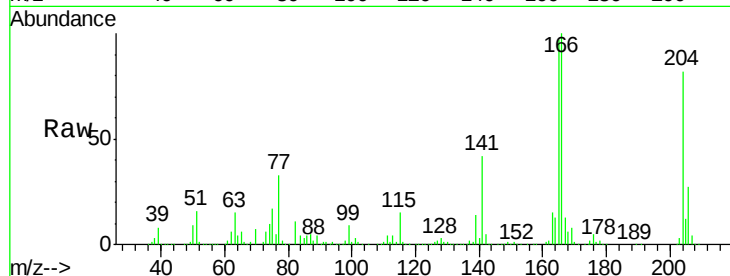
Tot Ion:166 Resp: 2993442

Ion Ratio Lower Upper

166 100

165 97.5 78.2 117.2

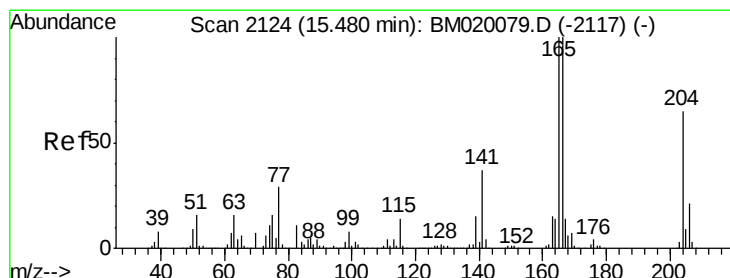
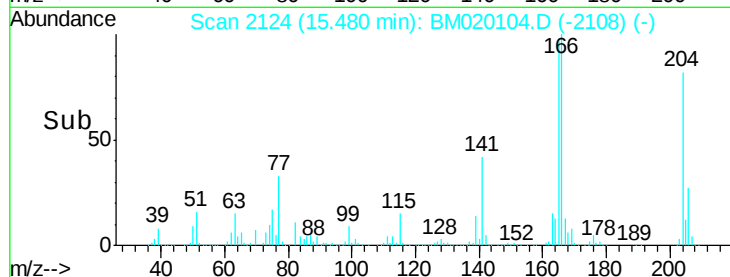
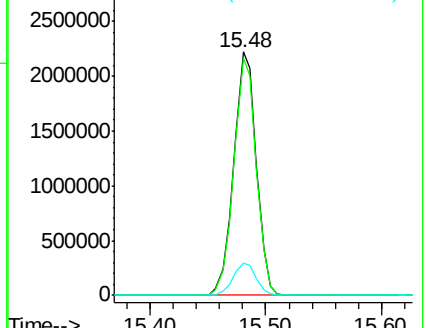
167 13.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Chlorophenyl-phenylether

Concen: 235.087 ng

RT: 15.48 min Scan# 2124

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

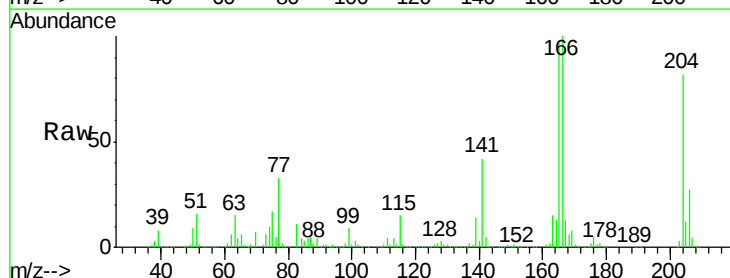
Tgt Ion:204 Resp: 2272744

Ion Ratio Lower Upper

204 100

206 33.2 25.6 38.4

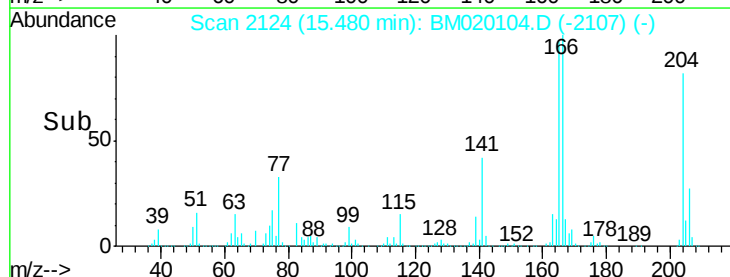
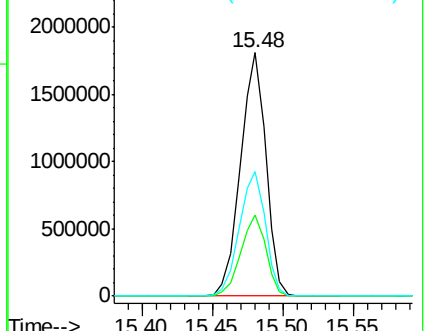
141 51.2 46.1 69.1

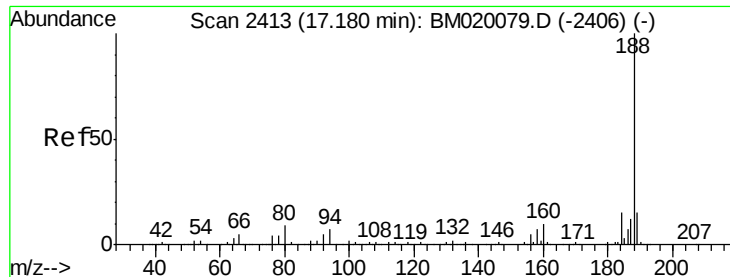


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

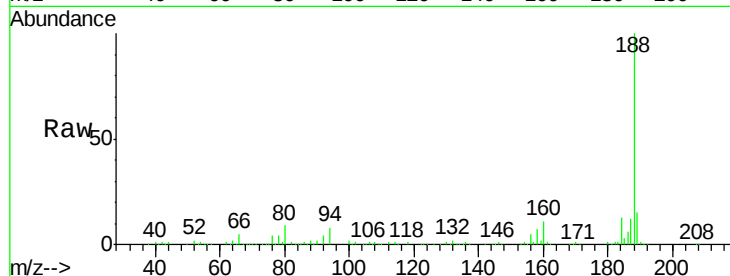
Tot Ion:188 Resp: 507412

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

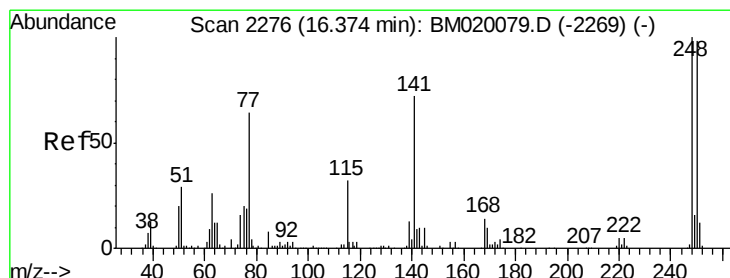
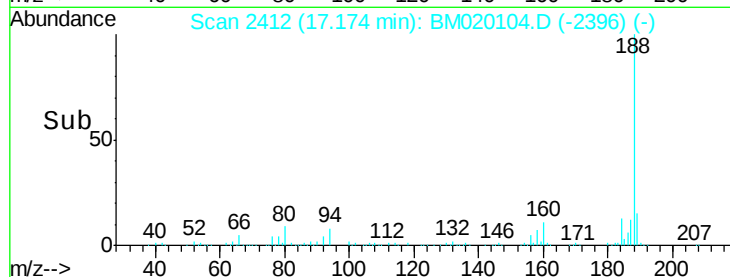
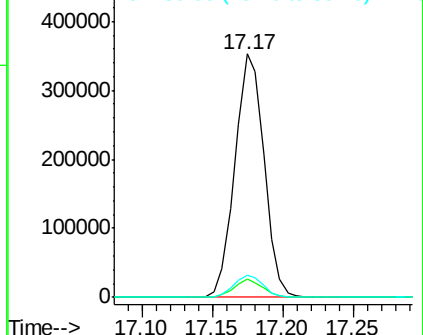
80 9.3 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#67

4-Bromophenyl-phenylether

Concen: 202.513 ng

RT: 16.37 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

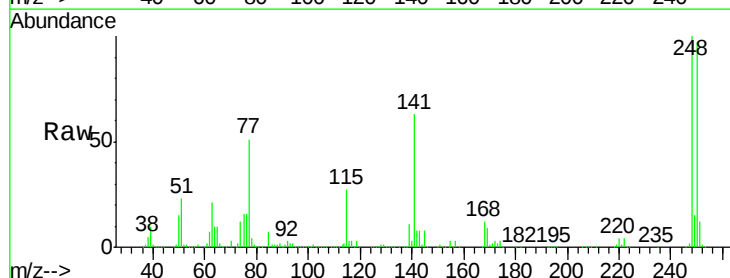
Tgt Ion:248 Resp: 1260075

Ion Ratio Lower Upper

248 100

250 97.1 78.4 117.6

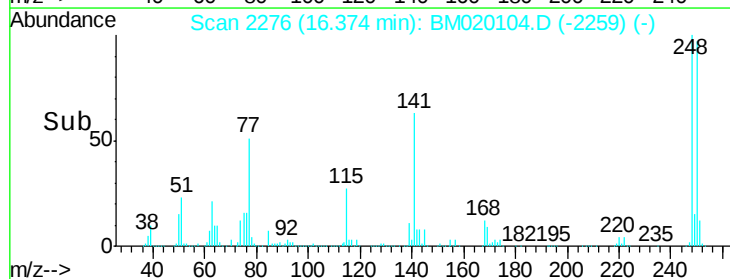
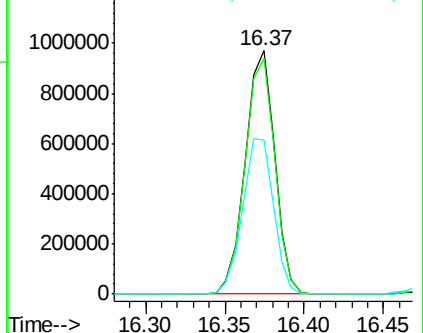
141 63.1 57.4 86.2

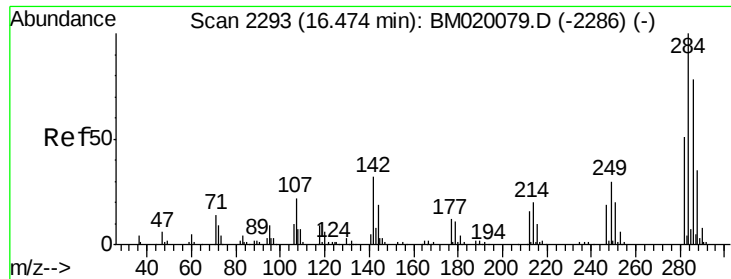


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 81.082 ng

RT: 16.47 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampled :

PT-BNA-SOIL

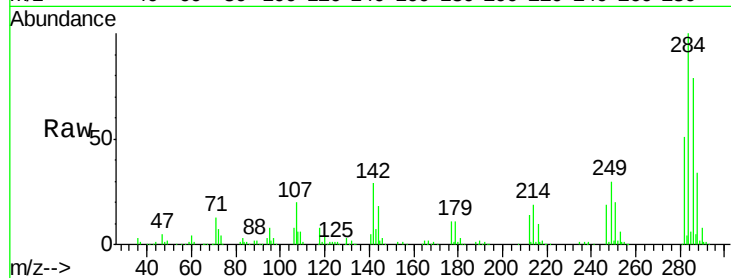
Tot Ion:284 Resp: 580558

Ion Ratio Lower Upper

284 100

142 28.5 25.2 37.8

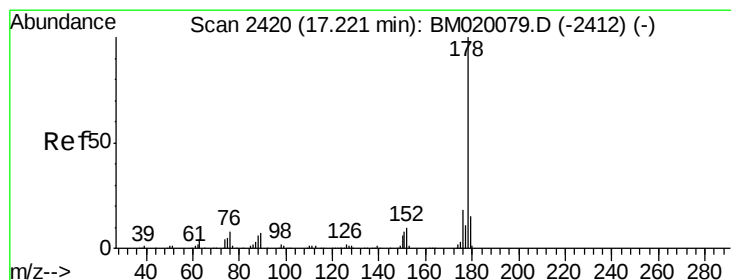
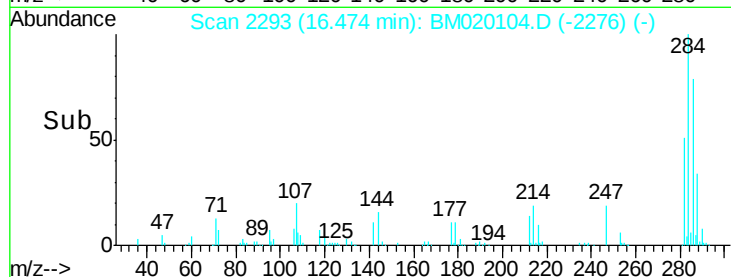
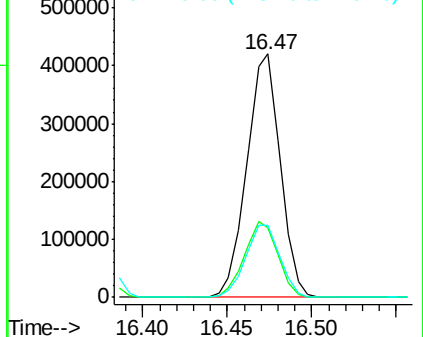
249 29.8 23.6 35.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#71

Phenanthrene

Concen: 130.899 ng

RT: 17.22 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

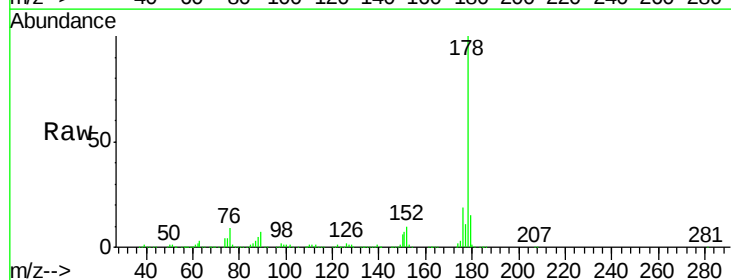
Tgt Ion:178 Resp: 3666421

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

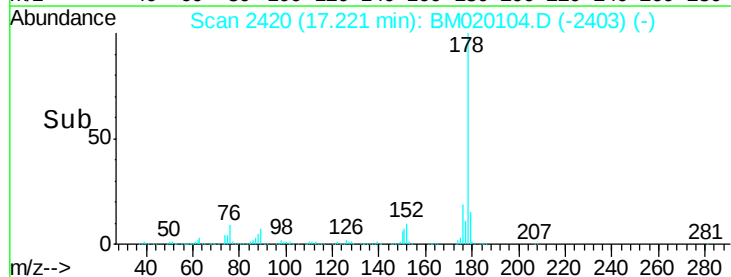
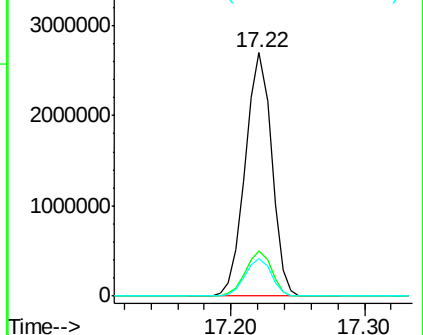
179 15.3 12.4 18.6

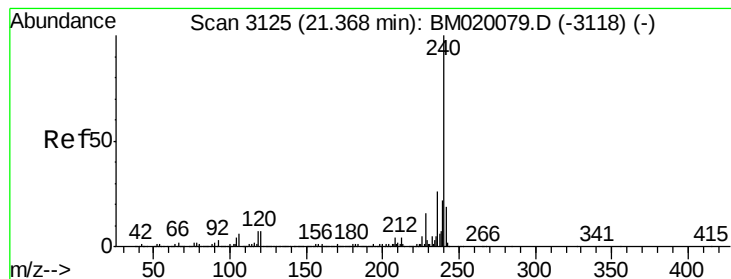


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

BNA_M

ClientSampleId :

PT-BNA-SOIL

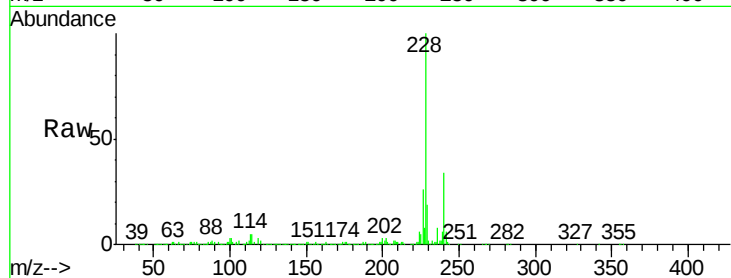
Tot Ion:240 Resp: 568446

Ion Ratio Lower Upper

240 100

120 6.9 5.6 8.4

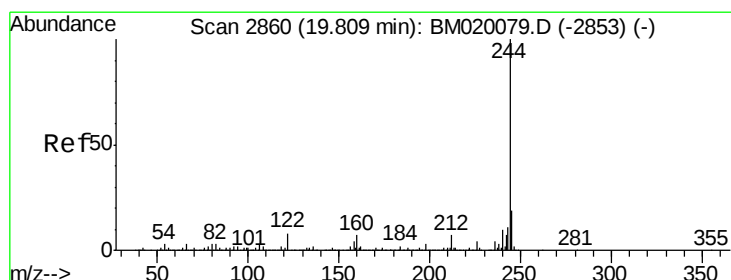
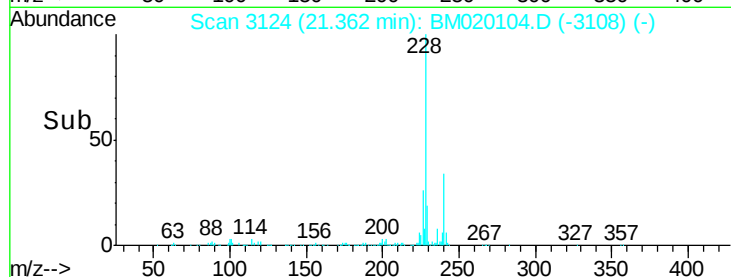
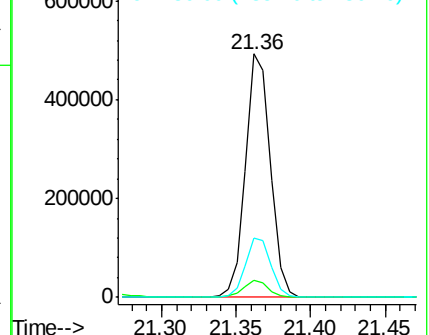
236 24.5 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 107.153 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

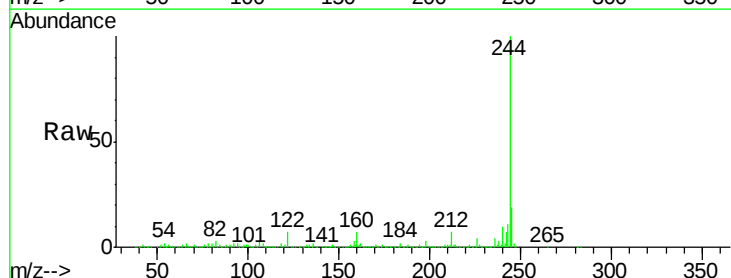
Tgt Ion:244 Resp: 3492152

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

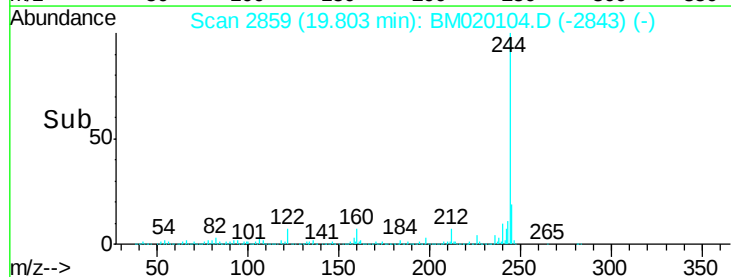
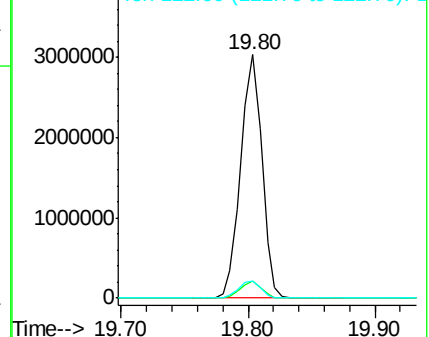
122 7.3 6.2 9.2

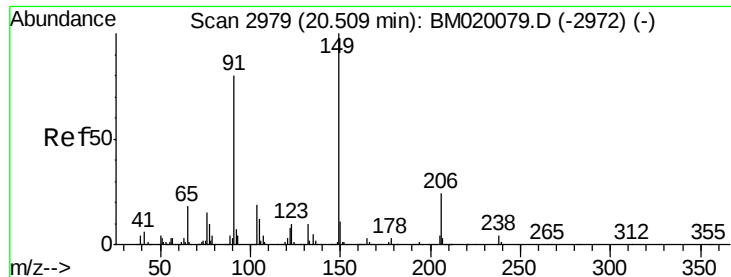


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

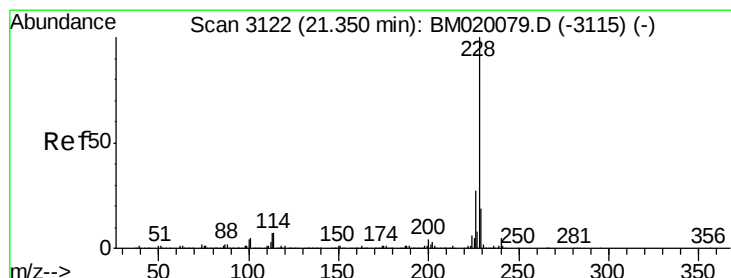
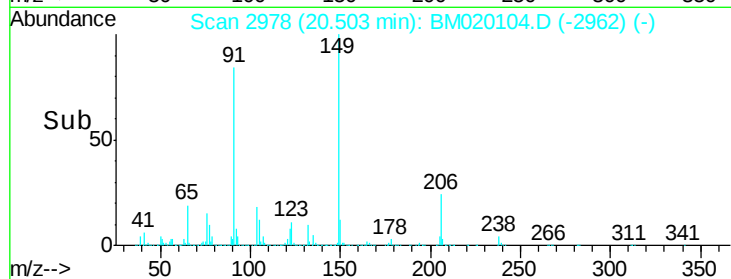
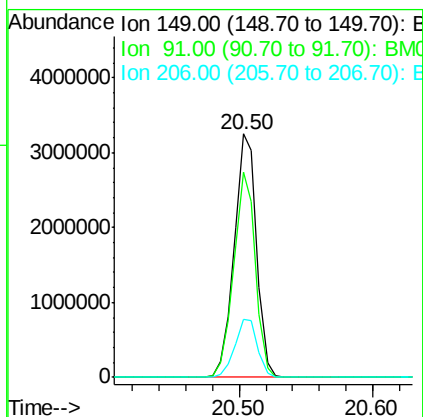
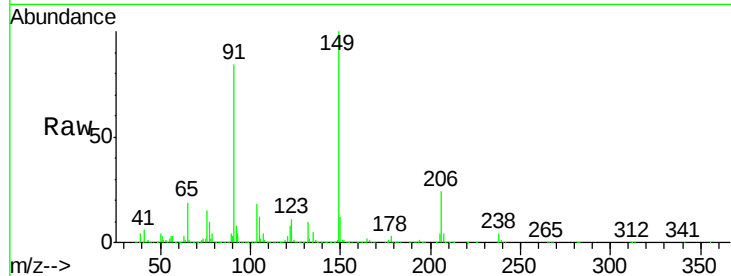




#80
Butylbenzylphthalate
Concen: 273.344 ng
RT: 20.50 min Scan# 2978
Delta R.T. -0.01 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

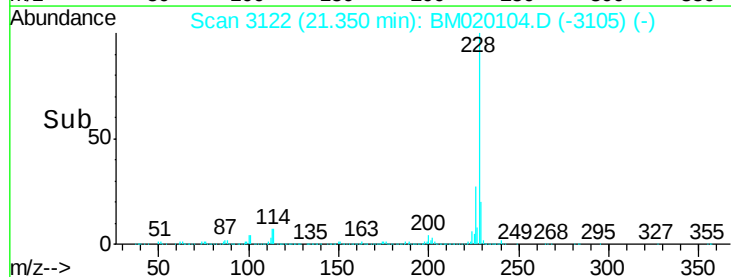
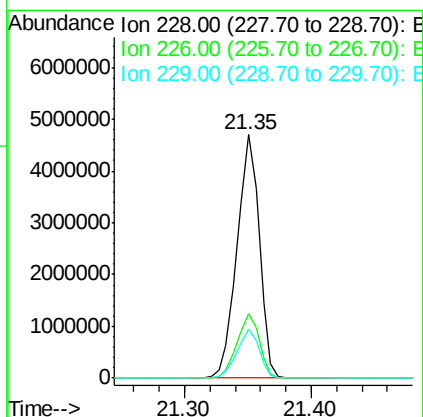
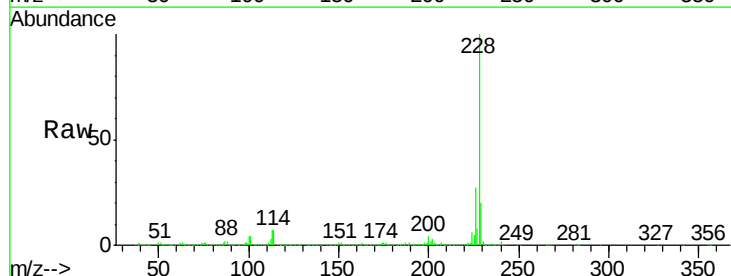
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

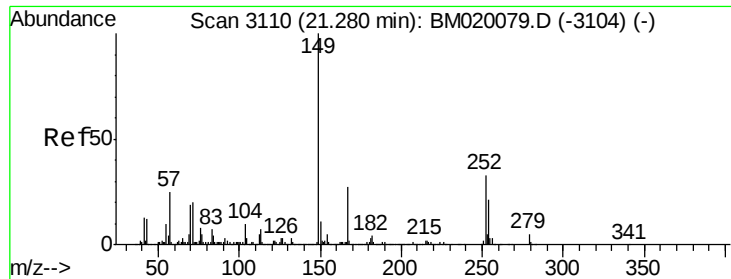
Tot Ion:149 Resp: 3793668
Ion Ratio Lower Upper
149 100
91 84.5 63.8 95.8
206 23.8 18.9 28.3



#81
Benzo(a)anthracene
Concen: 142.523 ng
RT: 21.35 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Tgt Ion:228 Resp: 5681672
Ion Ratio Lower Upper
228 100
226 26.6 21.3 31.9
229 19.9 15.5 23.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 373.453 ng

RT: 21.27 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Instrument :

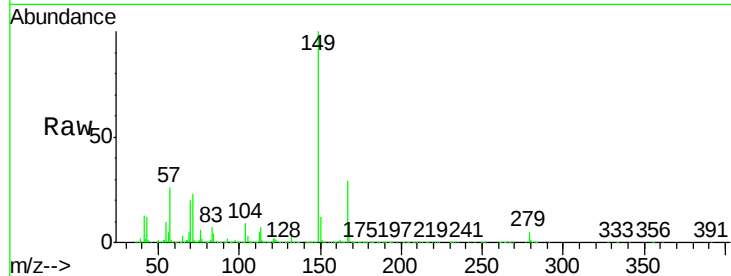
BNA_M

ClientSampleId :

PT-BNA-SOIL

Tot Ion:149 Resp: 8042724

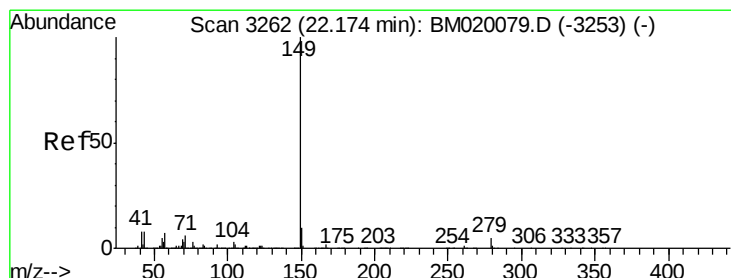
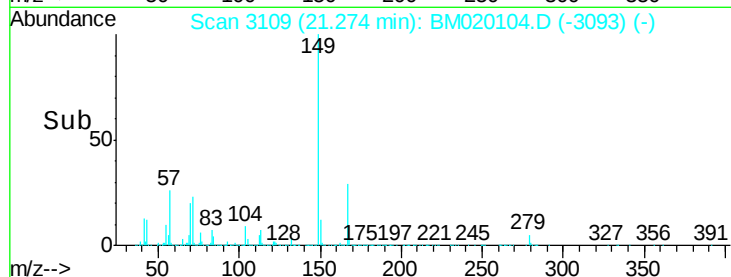
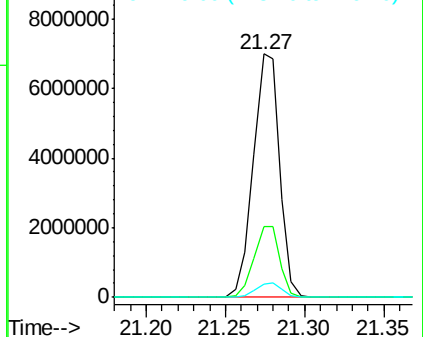
Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.8	32.8
279	5.2	4.2	6.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 64.288 ng

RT: 22.17 min Scan# 3261

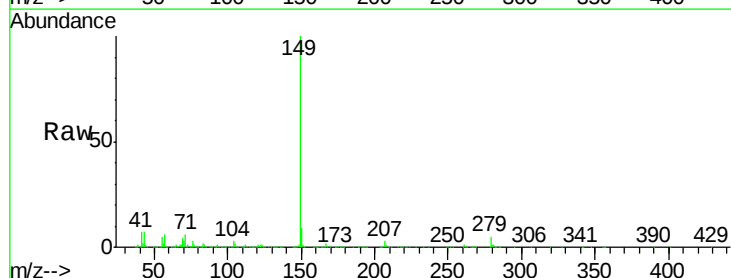
Delta R.T. -0.01 min

Lab File: BM020104.D

Acq: 02 May 2019 11:27

Tgt Ion:149 Resp: 2301150

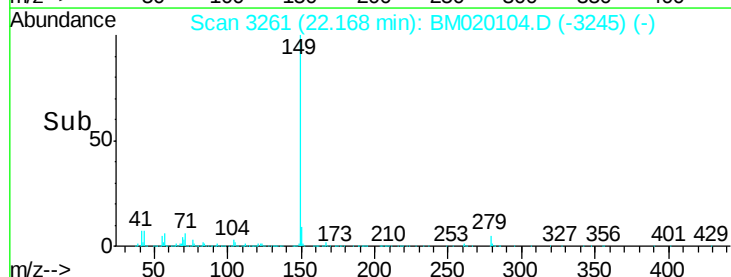
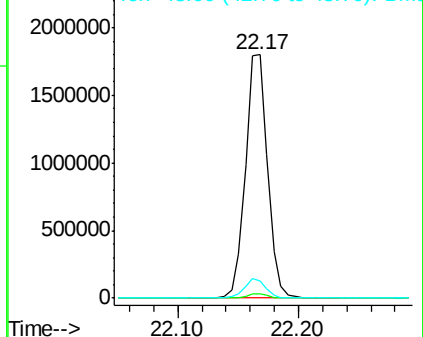
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.5	6.5	9.7

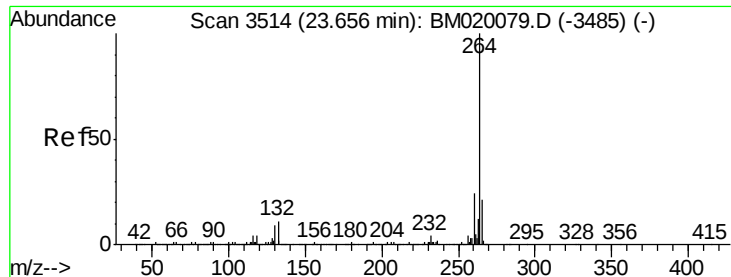


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0

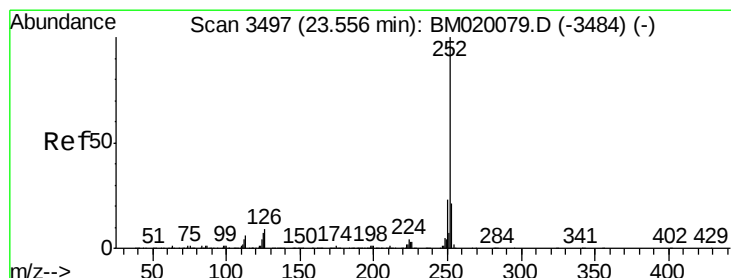
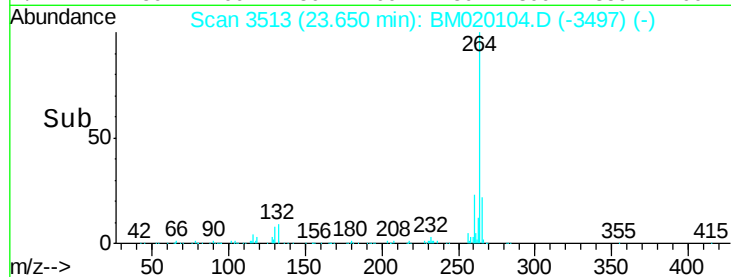
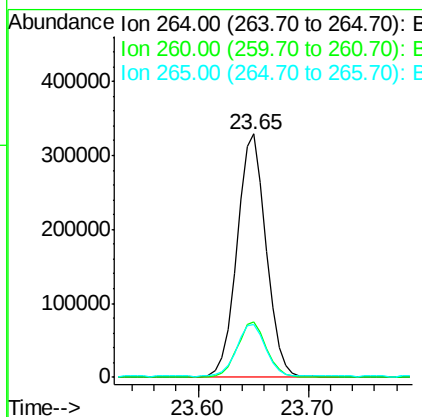
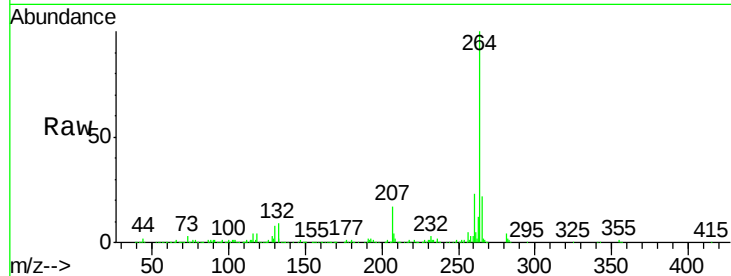




#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.65 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

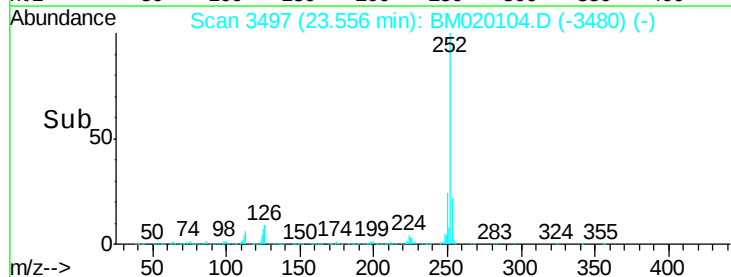
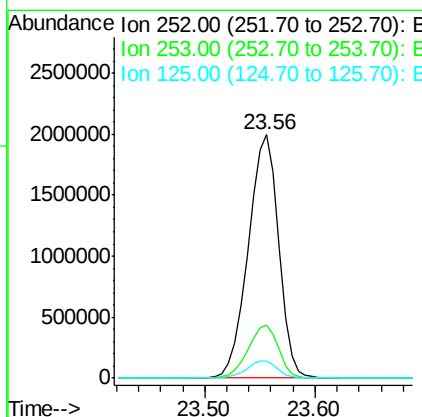
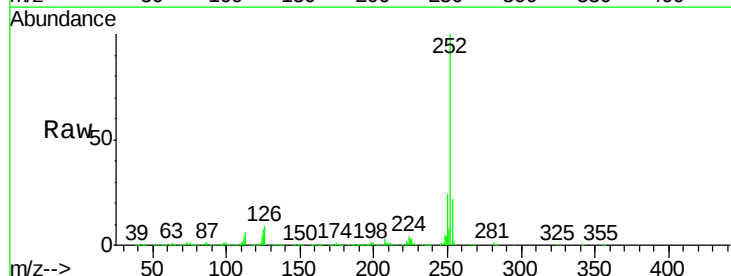
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

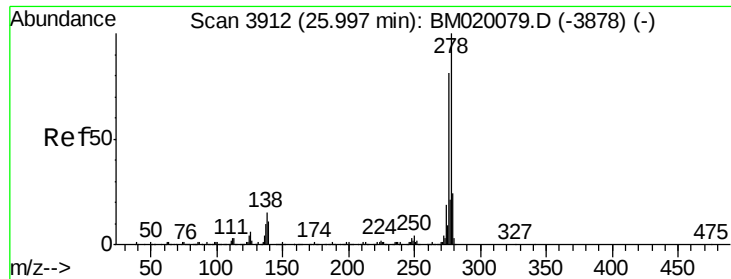
Tot Ion:264 Resp: 610252
Ion Ratio Lower Upper
264 100
260 22.5 19.2 28.8
265 22.0 16.9 25.3



#90
Benzo(a)pyrene
Concen: 105.467 ng
RT: 23.56 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Tgt Ion:252 Resp: 3860476
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 7.0 5.5 8.3

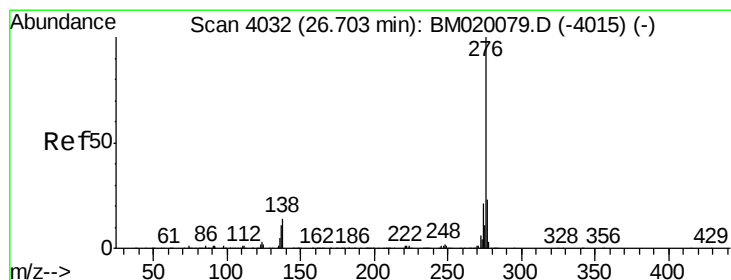
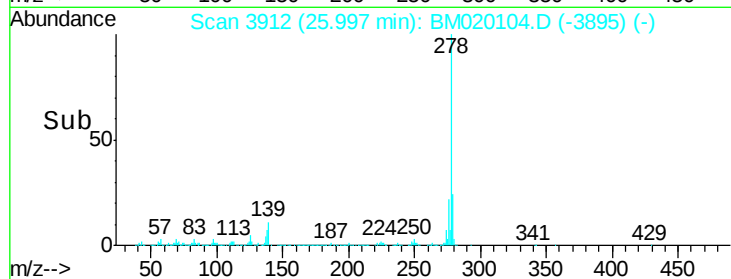
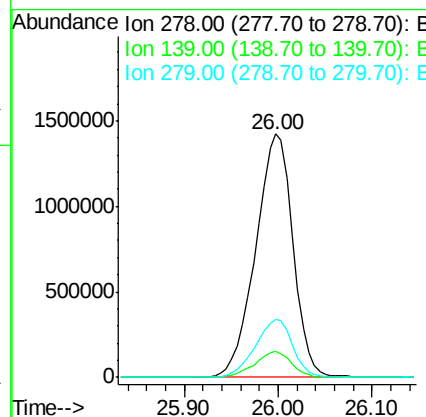
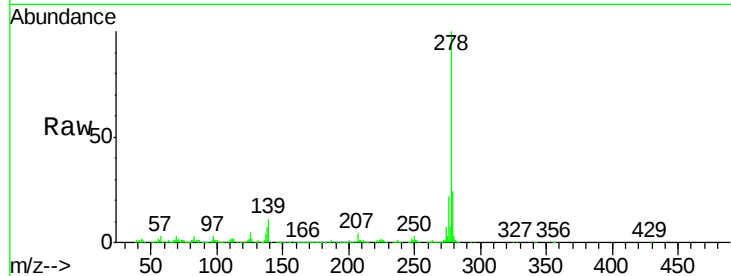




#91
Dibenzo(a,h)anthracene
Concen: 102.643 ng
RT: 26.00 min Scan# 3912
Delta R.T. -0.00 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion:278 Resp: 3907225
Ion Ratio Lower Upper
278 100
139 10.6 8.6 13.0
279 23.8 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 56.987 ng
RT: 26.69 min Scan# 4030
Delta R.T. -0.01 min
Lab File: BM020104.D
Acq: 02 May 2019 11:27

Tgt Ion:276 Resp: 2059505
Ion Ratio Lower Upper
276 100
277 23.6 18.4 27.6
138 13.9 11.1 16.7

