

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120519\
 Data File : BN008846.D
 Acq On : 05 Dec 2019 11:32
 Operator : JU
 Sample : K5609-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

Quant Time: Dec 05 12:24:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 15:42:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	8801	0.40	ng	0.00
7) Naphthalene-d8	10.33	136	17028	0.40	ng	0.00
13) Acenaphthene-d10	14.19	164	11751	0.40	ng	0.00
19) Phenanthrene-d10	16.94	188	26101	0.40	ng	0.00
27) Chrysene-d12	21.14	240	25837	0.40	ng	-0.01
34) Perylene-d12	23.30	264	30642	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	1237818	51.96	ng	0.00
5) Phenol-d6	6.77	99	1967274	60.61	ng	0.00
8) Nitrobenzene-d5	8.71	82	1207961	80.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	68	0.00	ng	0.01
14) 2,4,6-Tribromophenol	15.70	330	915099	143.14	ng	0.00
15) 2-Fluorobiphenyl	12.82	172	3138464	71.27	ng	0.01
25) Fluoranthene-d10	18.95	212	137	0.00	ng	-0.02
29) Terphenyl-d14	19.59	244	4360556	73.29	ng	0.00

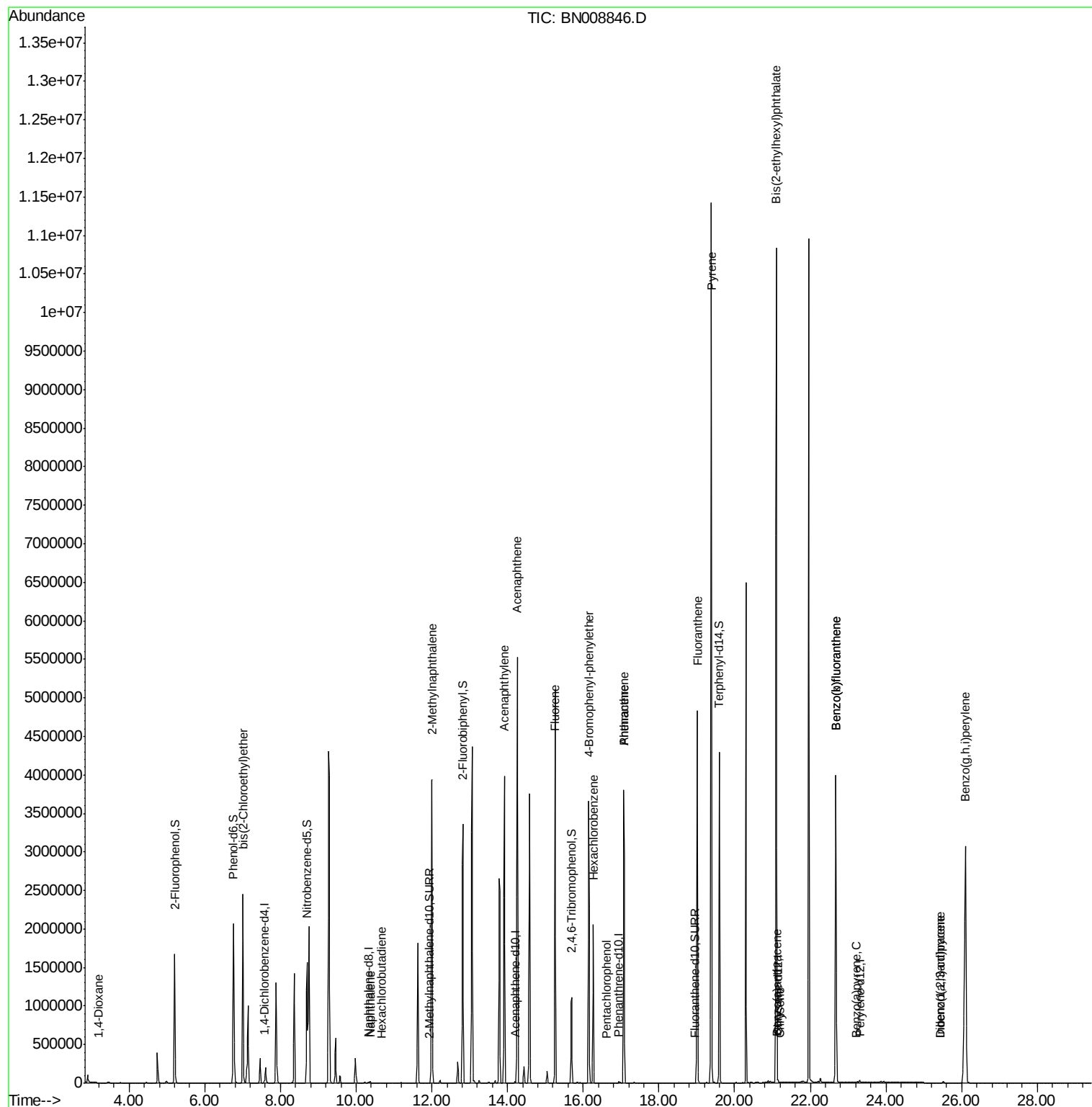
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.20	88	27	0.003	ng	# 100
6) bis(2-Chloroethyl)ether	7.01	93	1530182	52.417	ng	97
9) Naphthalene	10.37	128	21481	0.473	ng	99
10) Hexachlorobutadiene	10.67	225	36	0.004	ng	# 79
12) 2-Methylnaphthalene	12.00	142	2973166	88.821	ng	98
16) Acenaphthylene	13.91	152	4187306	76.392	ng	99
17) Acenaphthene	14.26	154	2925509	84.124	ng	96
18) Fluorene	15.25	166	2976	0.065	ng	# 1
20) 4-Bromophenyl-phenylether	16.15	248	1790347	117.151	ng	# 89
21) Hexachlorobenzene	16.26	284	1663832	94.370	ng	99
22) Pentachlorophenol	16.60	266	367	0.052	ng	98
23) Phenanthrene	17.07	178	4046435	50.791	ng	99
24) Anthracene	17.07	178	4045121	55.295	ng	99
26) Fluoranthene	19.01	202	4496733	46.868	ng	99
28) Pyrene	19.39	202	11399666	126.457	ng	97
30) Benzo(a)anthracene	21.13	228	1084	0.012	ng	# 64
31) Chrysene	21.19	228	1991	0.022	ng	# 82
32) Bis(2-ethylhexyl)phthalate	21.10	149	10166119	163.307	ng	# 94
33) Indeno(1,2,3-cd)pyrene	25.43	276	2928	0.026	ng	# 61
35) Benzo(b)fluoranthene	22.68	252	5202752	51.119	ng	# 92
36) Benzo(k)fluoranthene	22.68	252	5205054	52.055	ng	# 90
37) Benzo(a)pyrene	23.21	252	1096	0.011	ng	# 1
38) Dibenzo(a,h)anthracene	25.44	278	1891	0.019	ng	# 12
39) Benzo(g,h,i)perylene	26.10	276	6735593	67.862	ng	97

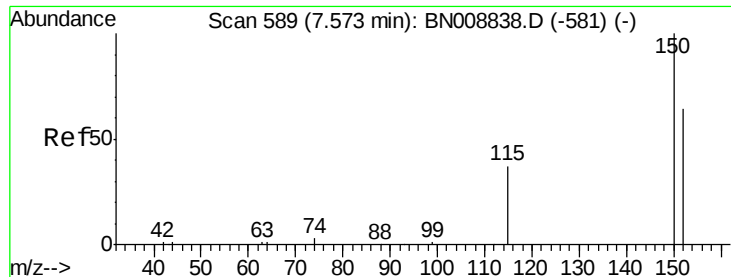
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 04 15:42:09 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.57 min Scan# 589

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

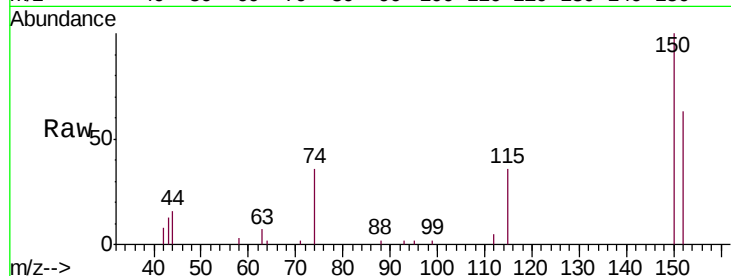
Tgt Ion: 152 Resp: 8801

Ion Ratio Lower Upper

152 100

150 159.7 123.9 185.9

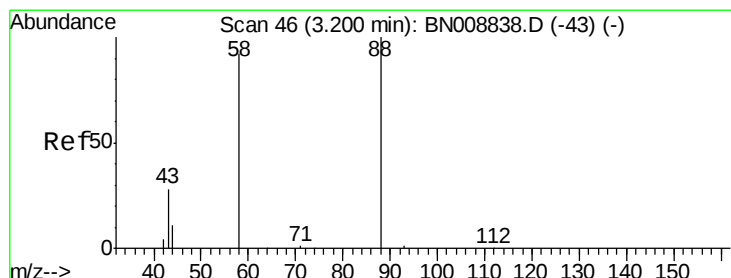
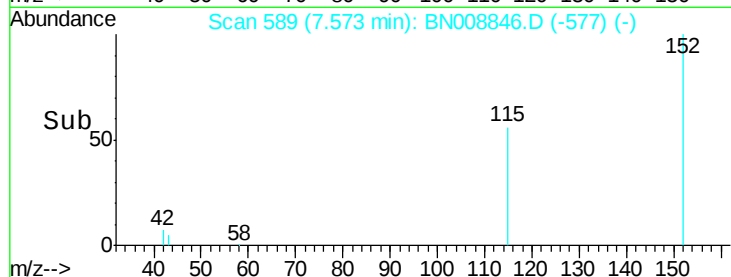
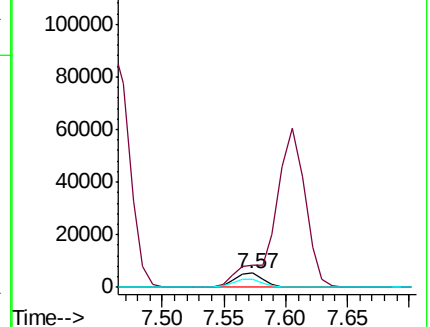
115 57.6 49.9 74.9



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: 0.003 ng

RT: 3.20 min Scan# 46

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

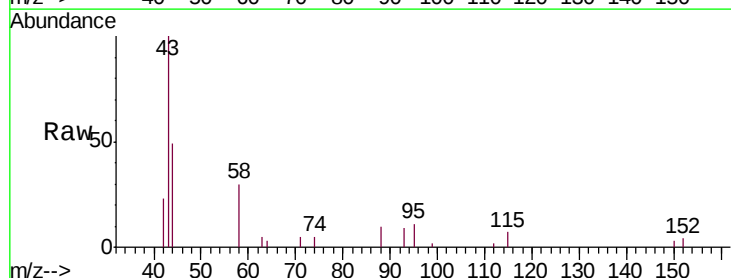
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

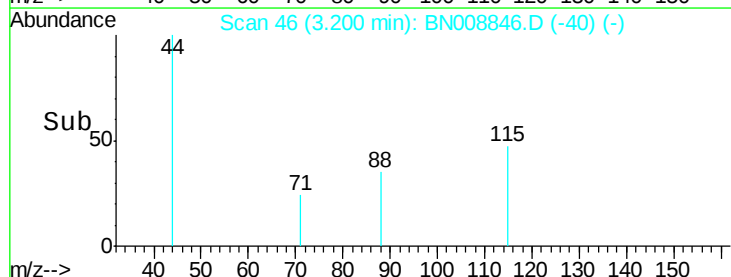
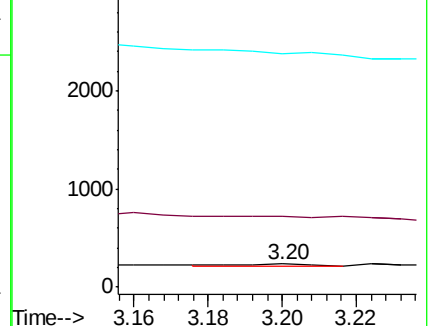
43 0.0 0.0 0.0

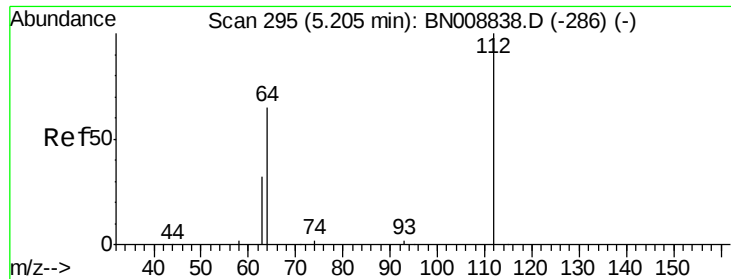


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 51.958 ng

RT: 5.21 min Scan# 295

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

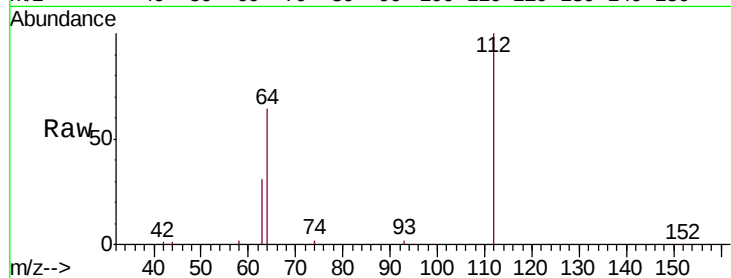
Tgt Ion: 112 Resp: 1237818

Ion Ratio Lower Upper

112 100

64 71.0 56.3 84.5

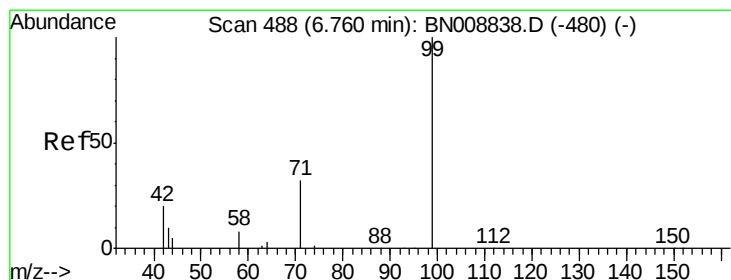
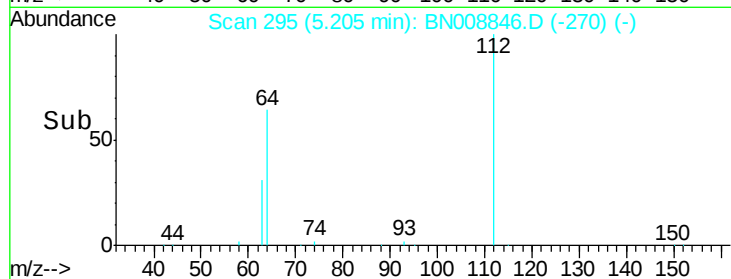
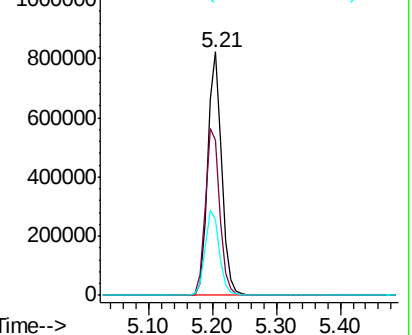
63 36.0 28.2 42.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 60.606 ng

RT: 6.77 min Scan# 489

Delta R.T. 0.01 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

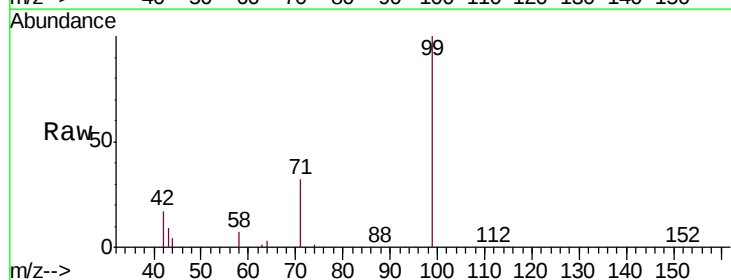
Tgt Ion: 99 Resp: 1967274

Ion Ratio Lower Upper

99 100

42 22.6 18.1 27.1

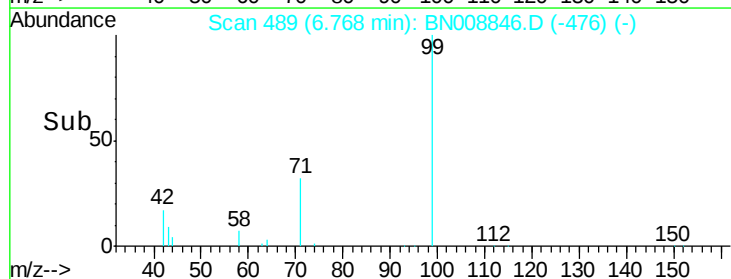
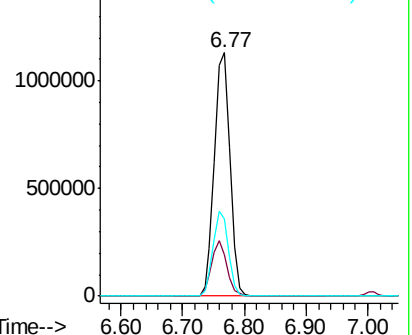
71 34.4 26.6 40.0

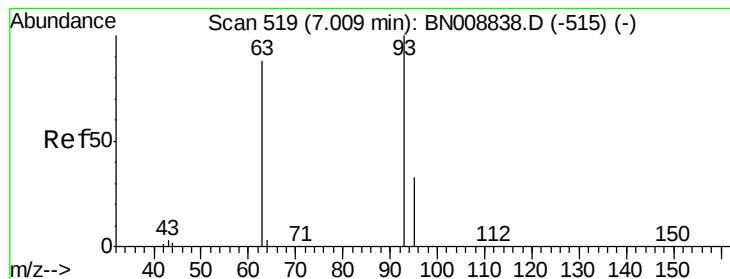


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#6

bis(2-Chloroethyl)ether

Concen: 52.417 ng

RT: 7.01 min Scan# 519

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

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PT-BNA-SOIL

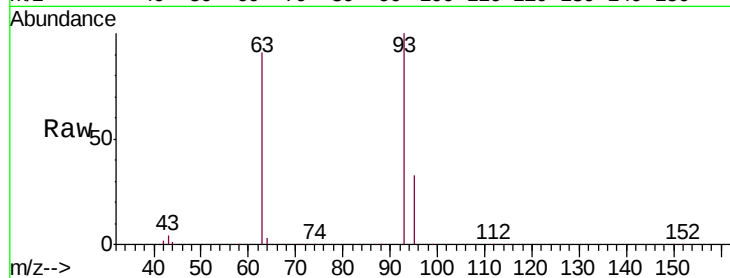
Tgt Ion: 93 Resp: 1530182

Ion Ratio Lower Upper

93 100

63 93.1 72.1 108.1

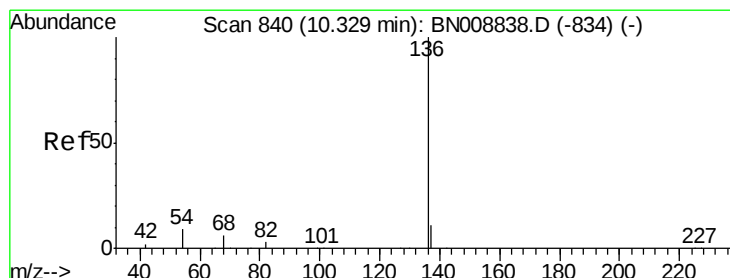
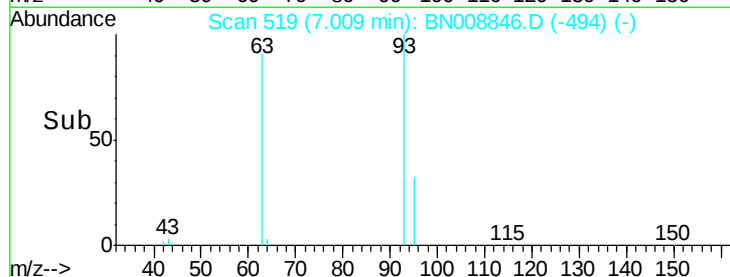
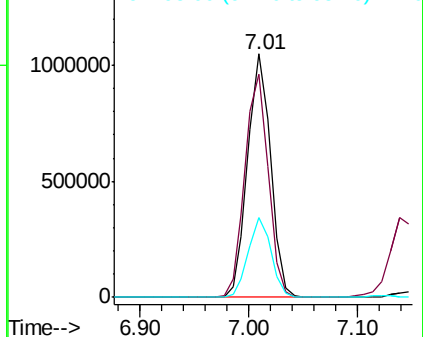
95 32.7 25.7 38.5



Abundance Ion 93.00 (92.70 to 93.70): BN008838.D (-515) (-)

Ion 63.00 (62.70 to 63.70): BN008838.D (-515) (-)

Ion 95.00 (94.70 to 95.70): BN008838.D (-515) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.33 min Scan# 840

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Tgt Ion: 136 Resp: 17028

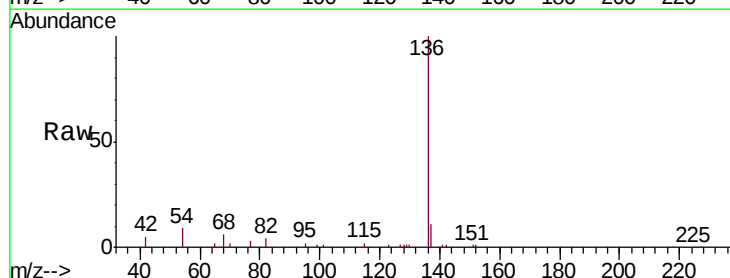
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.1 8.2 12.2

68 6.3 5.4 8.2

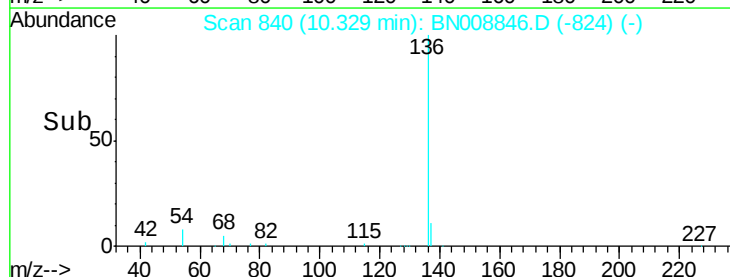
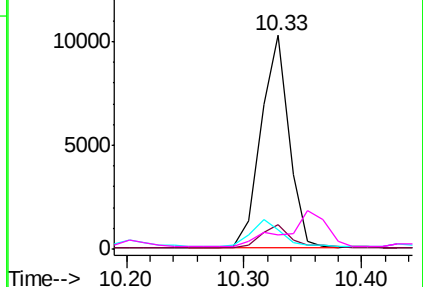


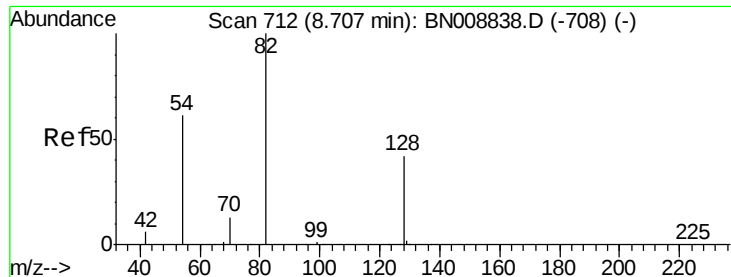
Abundance Ion 136.00 (135.70 to 136.70): BN008838.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN008838.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN008838.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN008838.D (-834) (-)





#8

Nitrobenzene-d5

Concen: 80.380 ng

RT: 8.71 min Scan# 712

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

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PT-BNA-SOIL

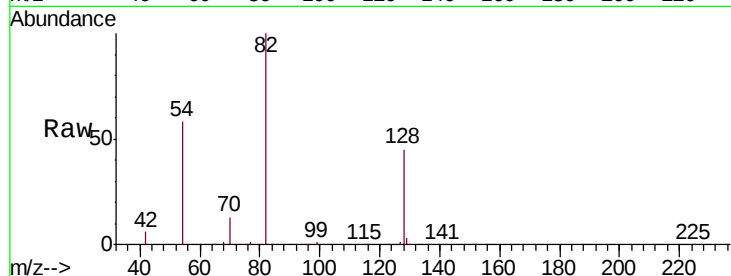
Tgt Ion: 82 Resp: 1207961

Ion Ratio Lower Upper

82 100

128 45.1 35.0 52.6

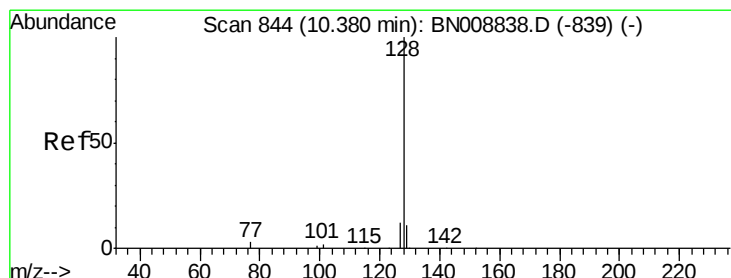
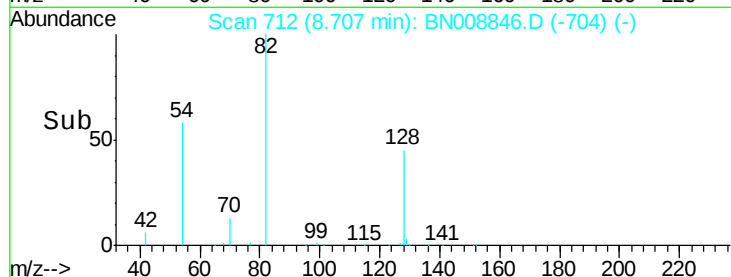
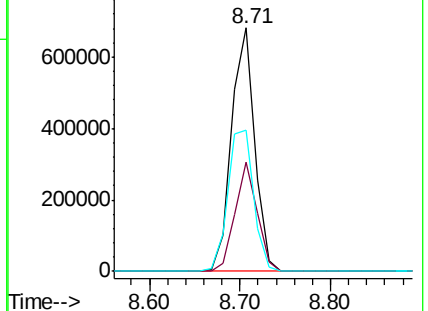
54 58.1 50.2 75.2



Abundance Ion 82.00 (81.70 to 82.70): BN008838.D (-708) (-)

Ion 128.00 (127.70 to 128.70): BN008838.D (-708) (-)

Ion 54.00 (53.70 to 54.70): BN008838.D (-708) (-)



#9

Naphthalene

Concen: 0.473 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.01 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

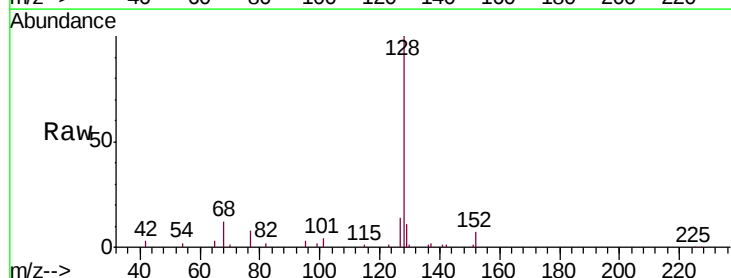
Tgt Ion: 128 Resp: 21481

Ion Ratio Lower Upper

128 100

129 11.5 9.3 13.9

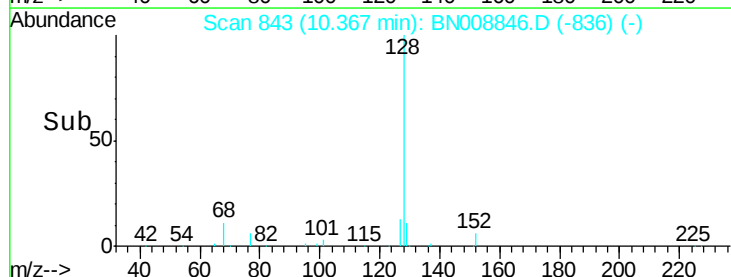
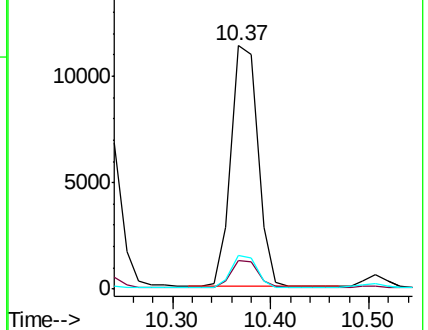
127 13.9 10.5 15.7

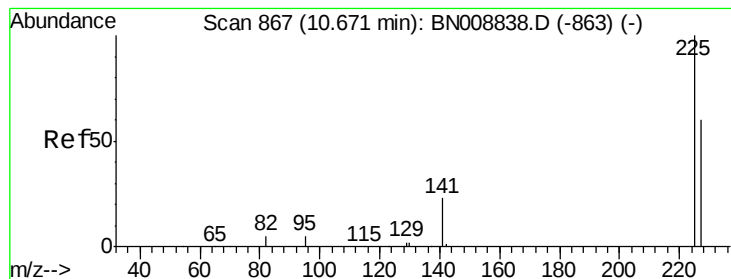


Abundance Ion 128.00 (127.70 to 128.70): BN008838.D (-839) (-)

Ion 129.00 (128.70 to 129.70): BN008838.D (-839) (-)

Ion 127.00 (126.70 to 127.70): BN008838.D (-839) (-)





#10

Hexachlorobutadiene

Concen: 0.004 ng

RT: 10.67 min Scan# 867

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

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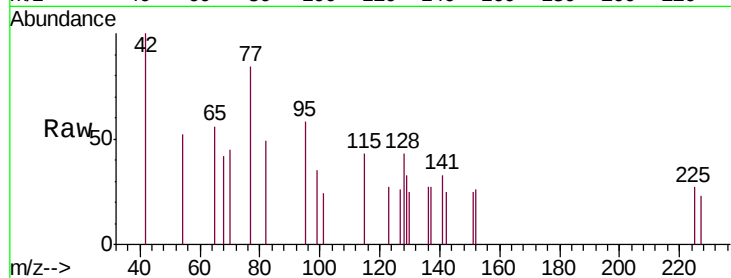
Tgt Ion: 225 Resp: 36

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

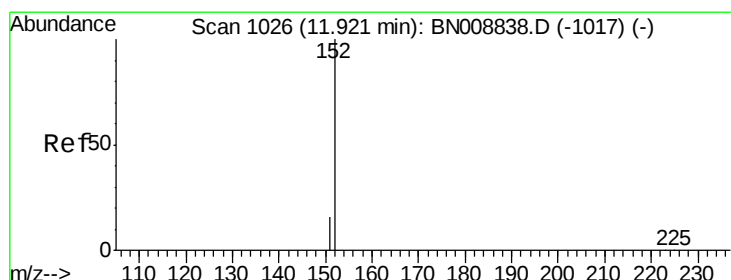
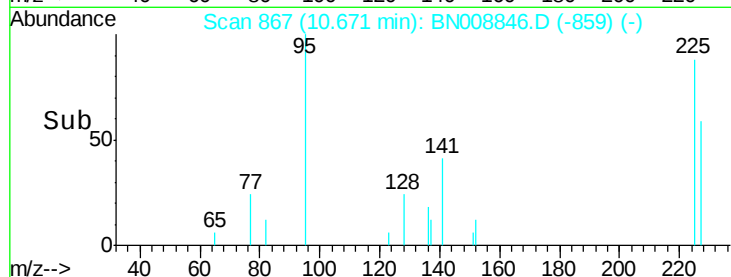
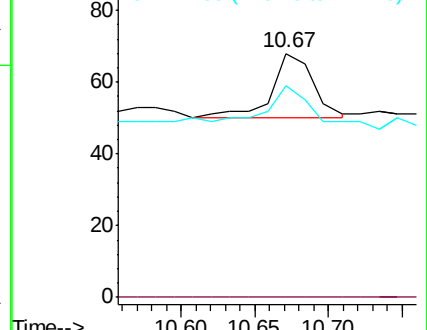
227 47.2 50.9 76.3#



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



#11

2-Methylnaphthalene-d10

Concen: 0.002 ng

RT: 11.93 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BN008846.D

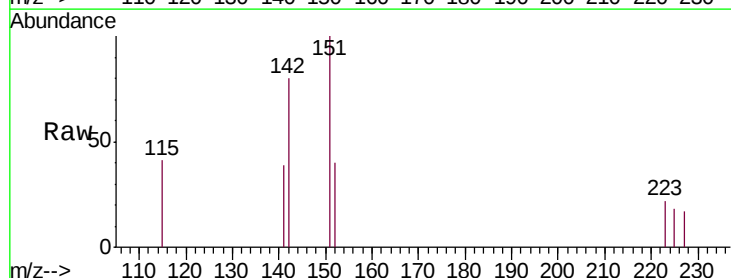
Acq: 05 Dec 2019 11:32

Tgt Ion: 152 Resp: 68

Ion Ratio Lower Upper

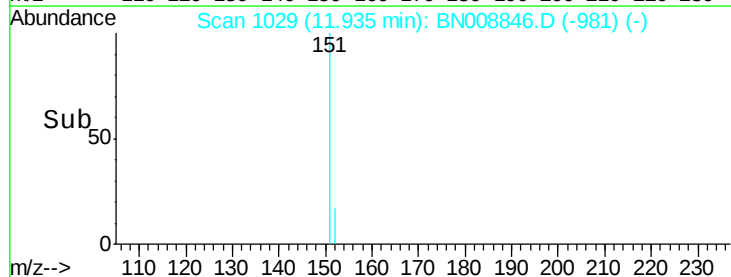
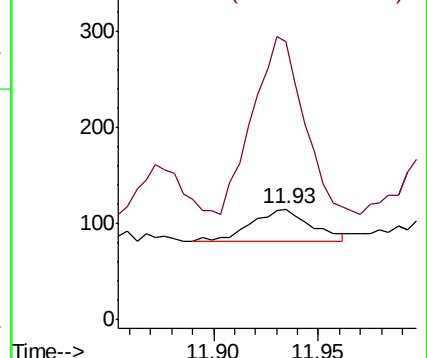
152 100

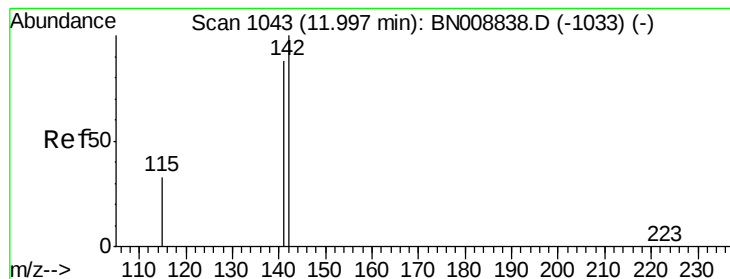
151 457.4 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 88.821 ng

RT: 12.00 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

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PT-BNA-SOIL

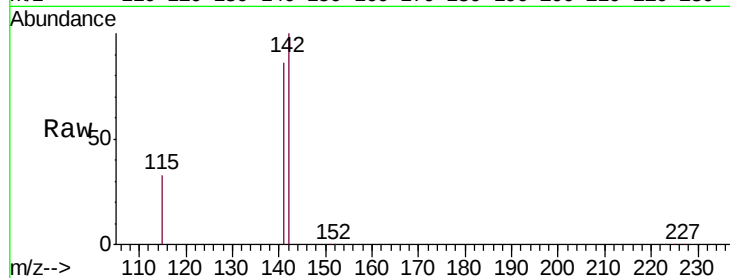
Tgt Ion:142 Resp: 2973166

Ion Ratio Lower Upper

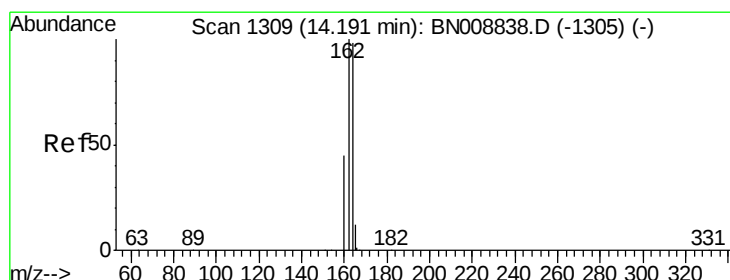
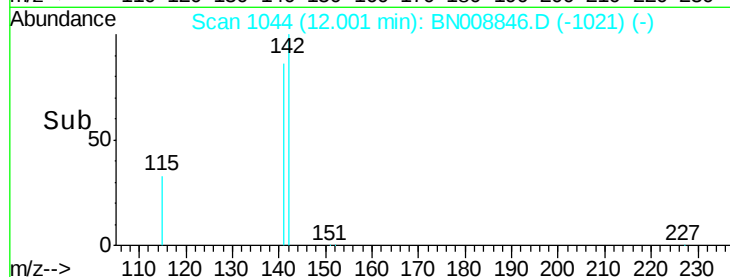
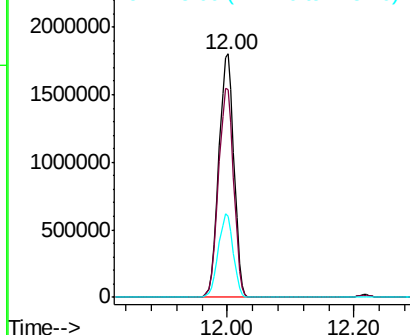
142 100

141 85.5 70.2 105.4

115 33.2 27.6 41.4



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



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.19 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

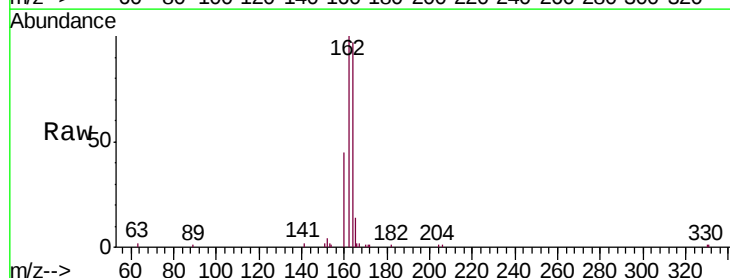
Tgt Ion:164 Resp: 11751

Ion Ratio Lower Upper

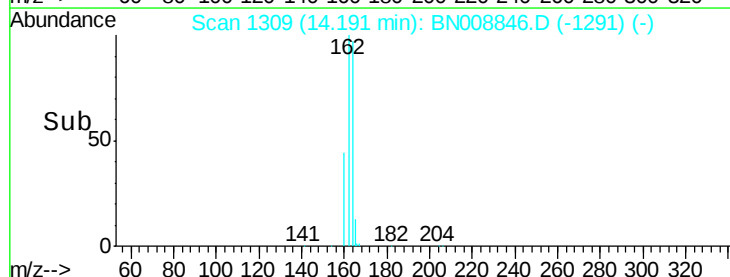
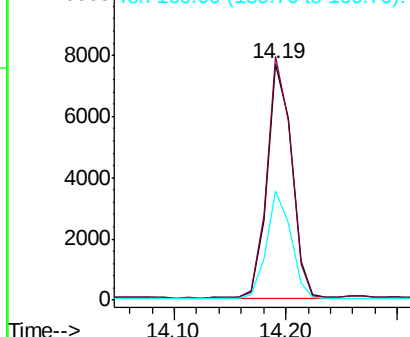
164 100

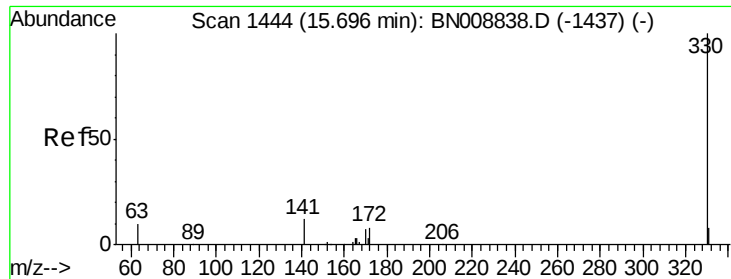
162 103.2 81.9 122.9

160 46.2 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

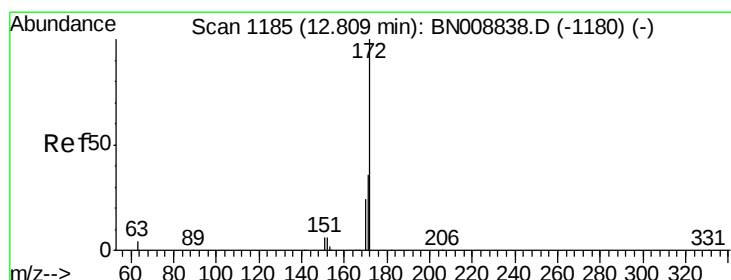
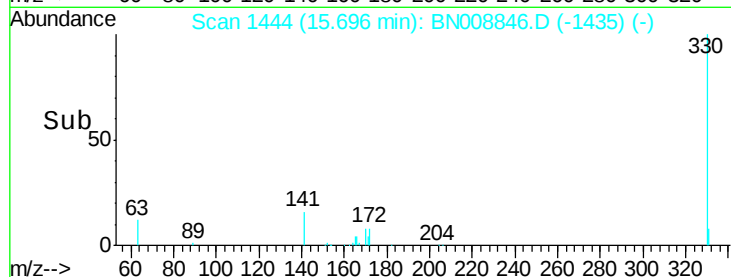
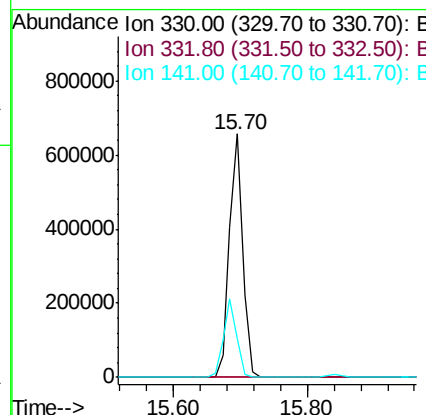
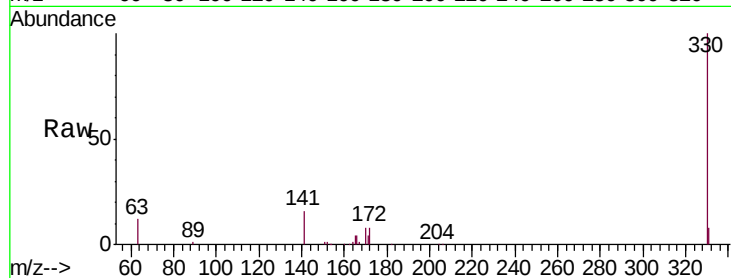




#14
 2,4,6-Tribromophenol
 Concen: 143.138 ng
 RT: 15.70 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN008846.D
 Acq: 05 Dec 2019 11:32

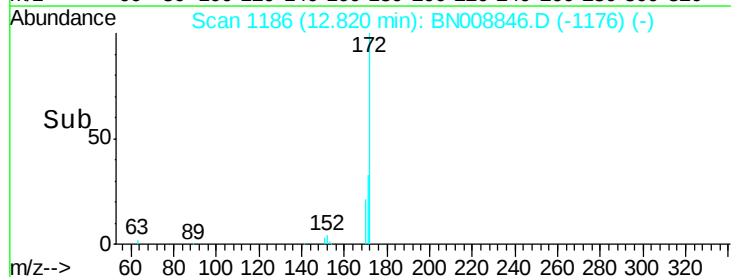
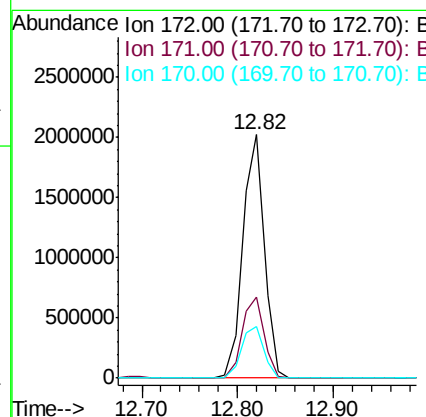
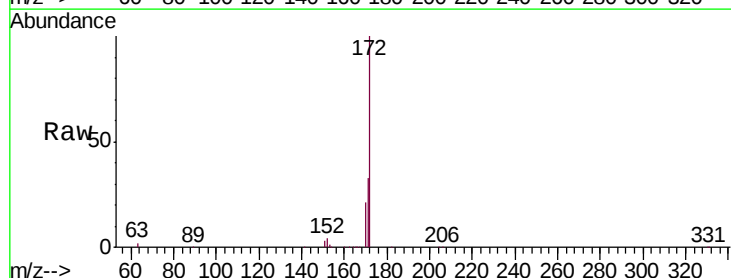
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

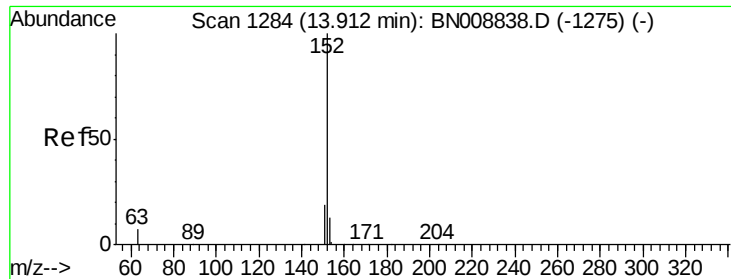
Tgt Ion:330 Resp: 915099
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 32.5 26.2 39.4



#15
 2-Fluorobiphenyl
 Concen: 71.268 ng
 RT: 12.82 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: BN008846.D
 Acq: 05 Dec 2019 11:32

Tgt Ion:172 Resp: 3138464
 Ion Ratio Lower Upper
 172 100
 171 33.4 28.9 43.3
 170 21.5 19.7 29.5





#16

Acenaphthylene

Concen: 76.392 ng

RT: 13.91 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

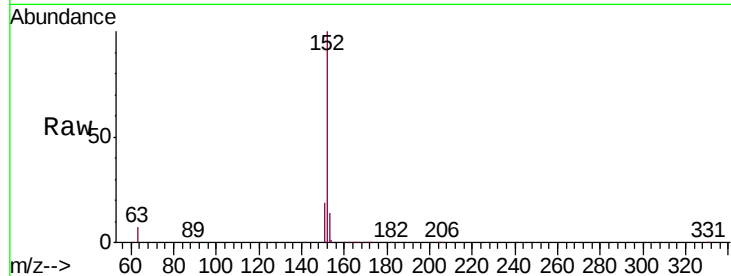
Tgt Ion:152 Resp: 4187306

Ion Ratio Lower Upper

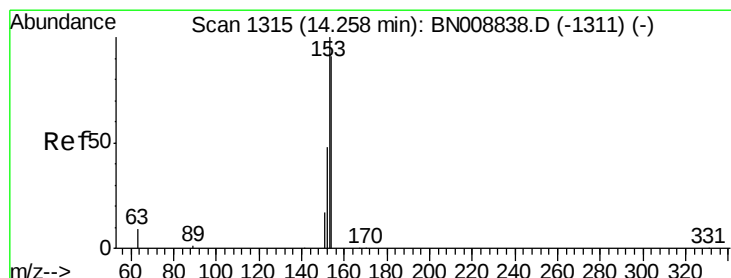
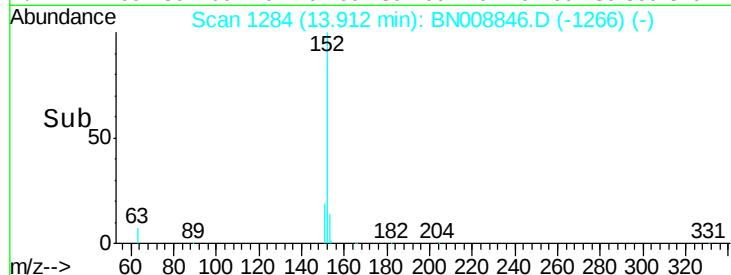
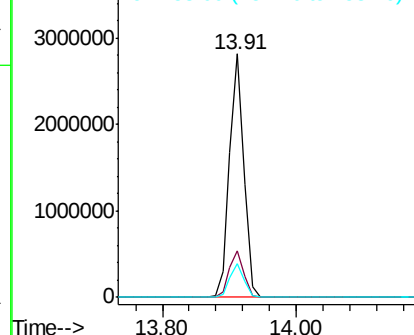
152 100

151 19.4 15.4 23.2

153 13.6 10.4 15.6



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



#17

Acenaphthene

Concen: 84.124 ng

RT: 14.26 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

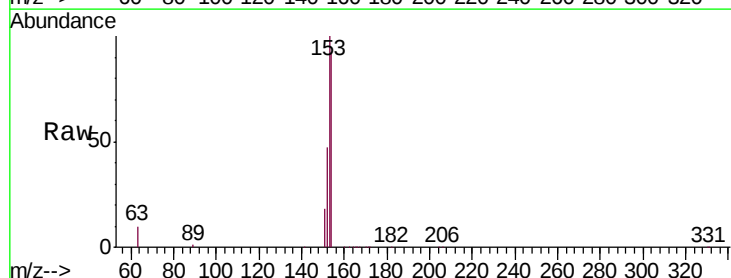
Tgt Ion:154 Resp: 2925509

Ion Ratio Lower Upper

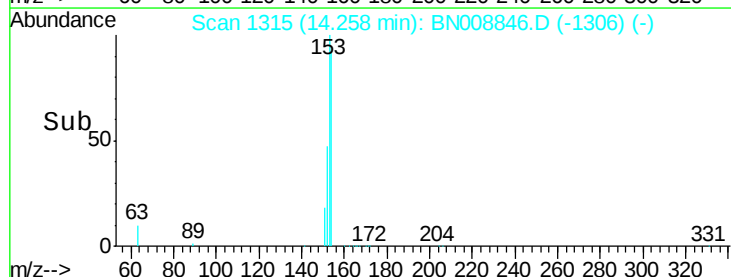
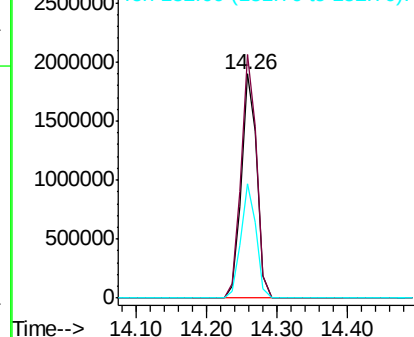
154 100

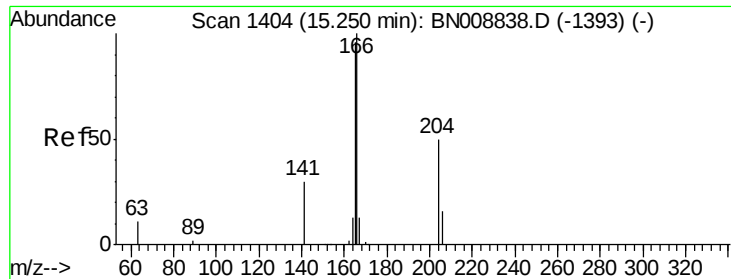
153 108.2 89.4 134.2

152 50.2 43.8 65.8



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





#18

Fluorene

Concen: 0.065 ng

RT: 15.25 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

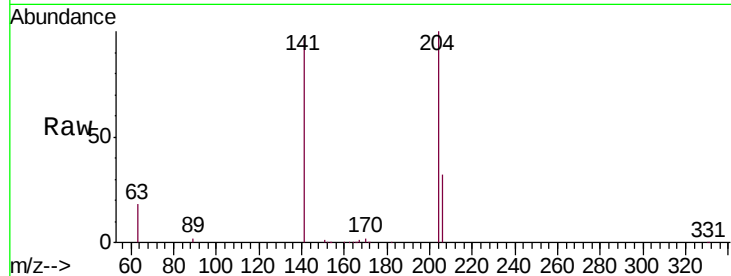
Tgt Ion:166 Resp: 2976

Ion Ratio Lower Upper

166 100

165 176.2 77.0 115.6#

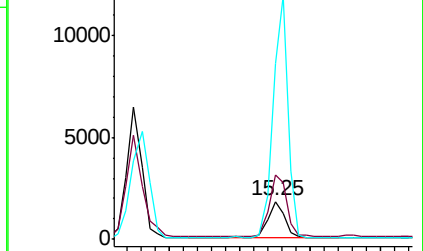
167 587.7 10.8 16.2#



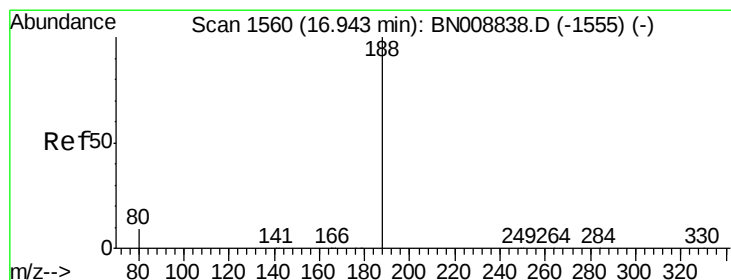
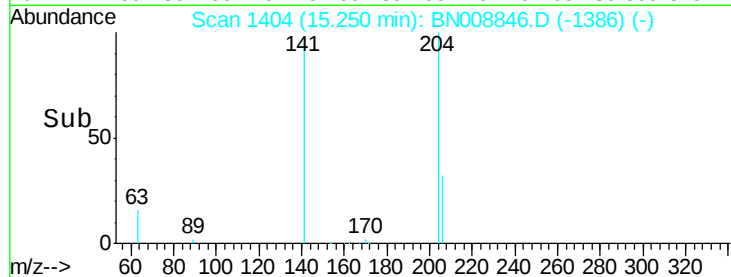
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.94 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

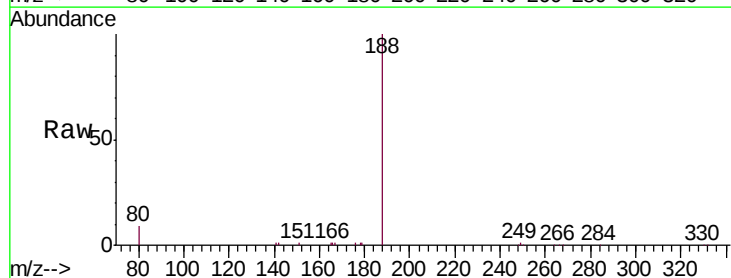
Tgt Ion:188 Resp: 26101

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

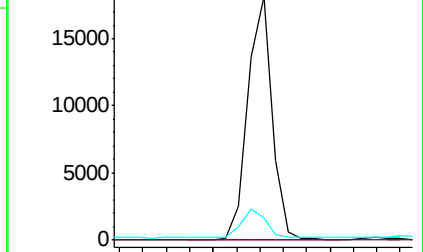
80 8.9 7.4 11.2



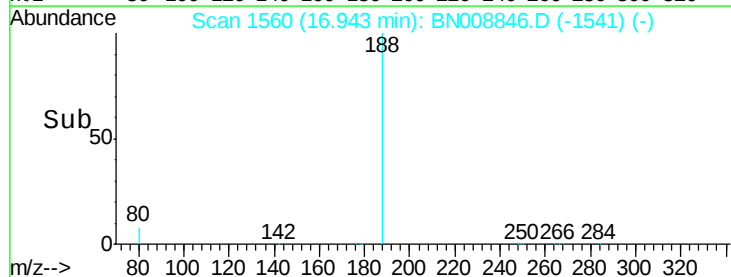
Abundance Ion 188.00 (187.70 to 188.70): E

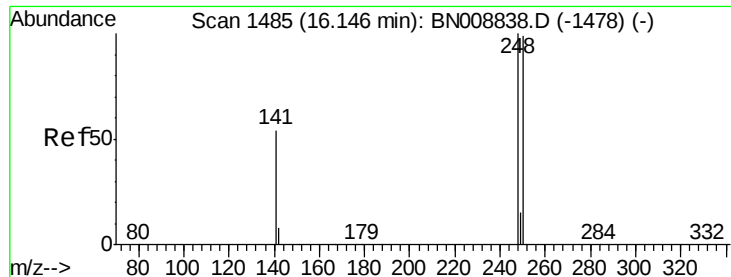
Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



Time-->

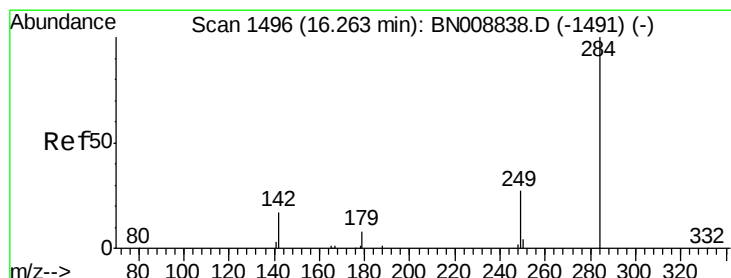
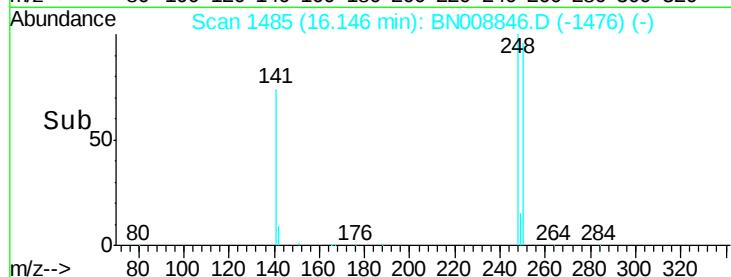
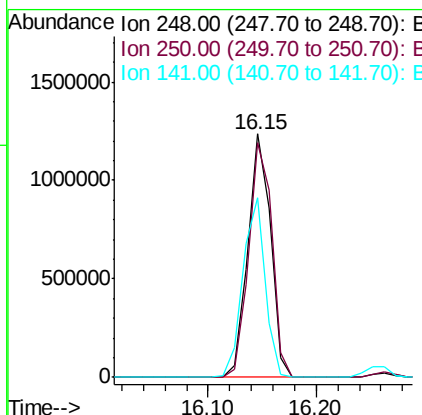
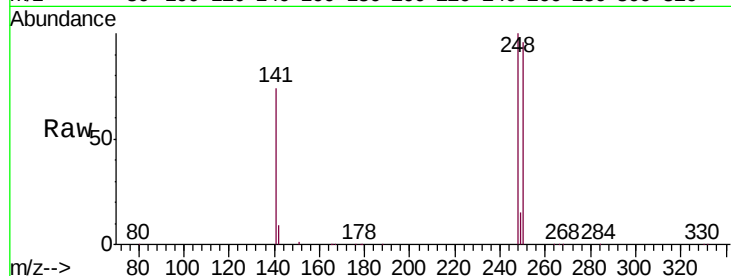




#20
4-Bromophenyl-phenylether
Concen: 117.151 ng
RT: 16.15 min Scan# 1485
Delta R.T. -0.00 min
Lab File: BN008846.D
Acq: 05 Dec 2019 11:32

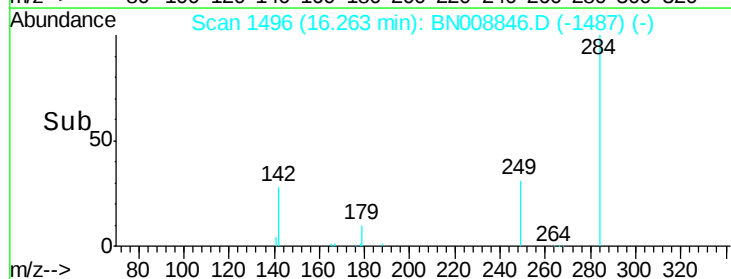
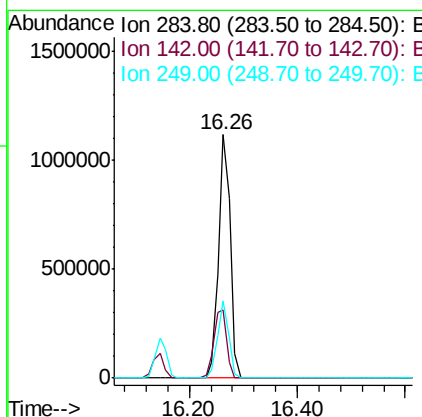
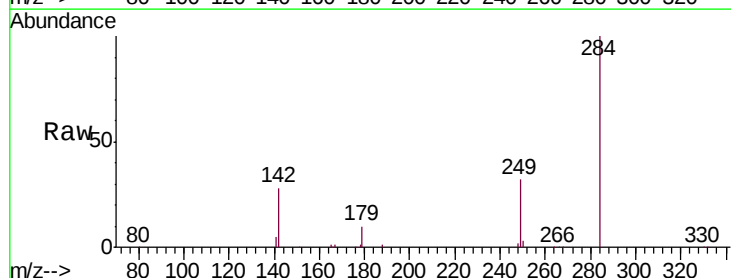
Instrument :
BNA_N
ClientSampleId :
PT-BNA-SOIL

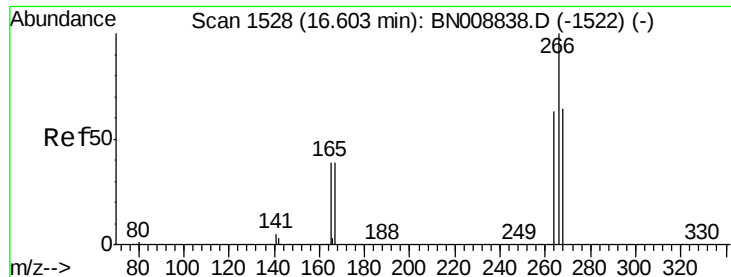
Tgt Ion:248 Resp: 1790347
Ion Ratio Lower Upper
248 100
250 96.4 79.7 119.5
141 73.6 44.7 67.1#



#21
Hexachlorobenzene
Concen: 94.370 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN008846.D
Acq: 05 Dec 2019 11:32

Tgt Ion:284 Resp: 1663832
Ion Ratio Lower Upper
284 100
142 31.0 25.4 38.0
249 30.5 24.3 36.5

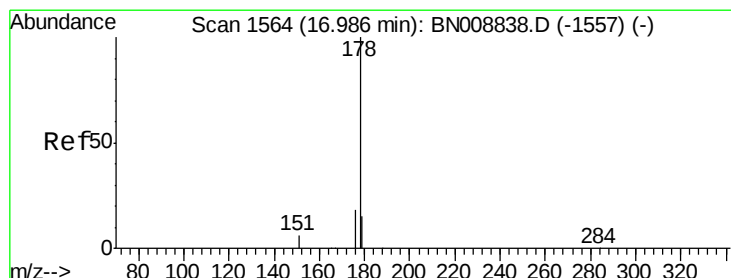
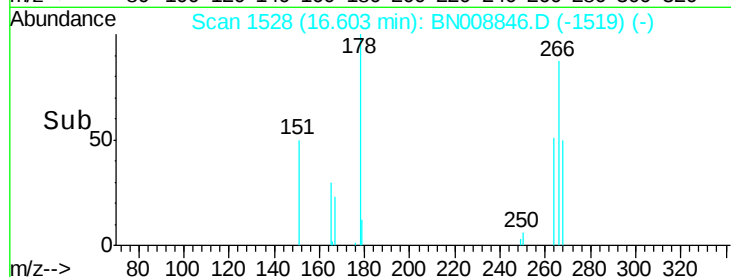
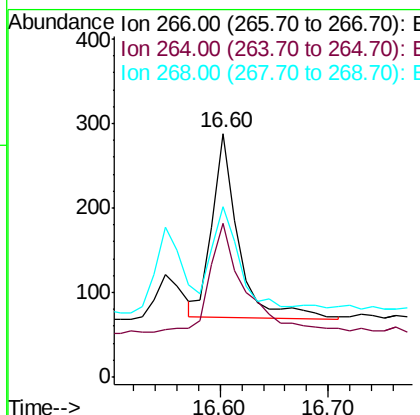
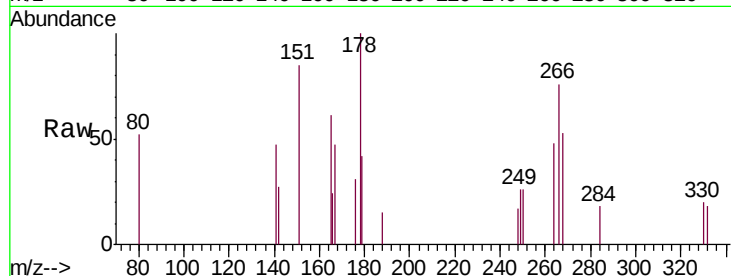




#22
 Pentachlorophenol
 Concen: 0.052 ng
 RT: 16.60 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN008846.D
 Acq: 05 Dec 2019 11:32

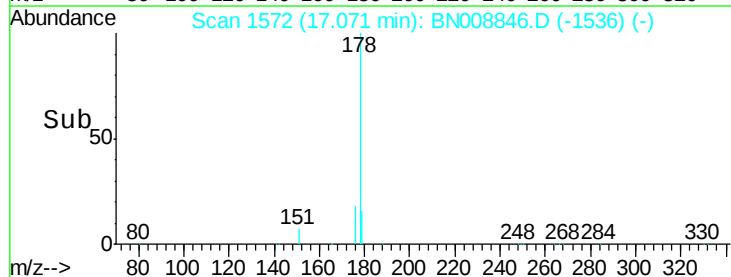
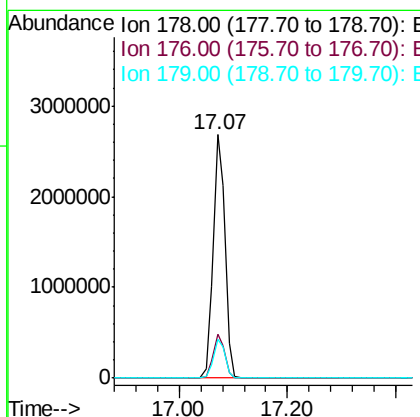
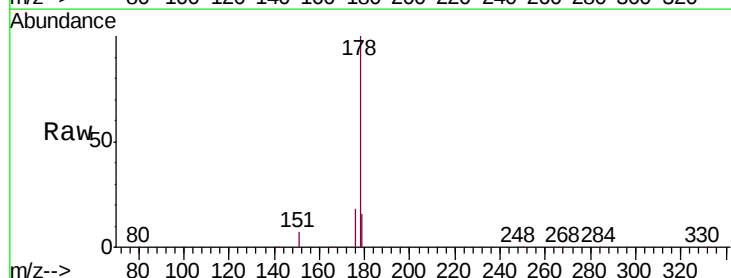
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

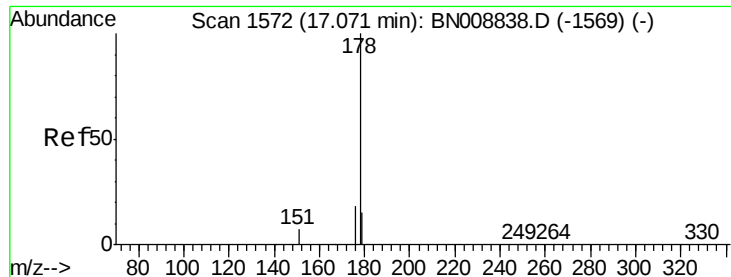
Tgt Ion: 266 Resp: 367
 Ion Ratio Lower Upper
 266 100
 264 63.2 51.0 76.4
 268 70.1 53.7 80.5



#23
 Phenanthrene
 Concen: 50.791 ng
 RT: 17.07 min Scan# 1572
 Delta R.T. 0.08 min
 Lab File: BN008846.D
 Acq: 05 Dec 2019 11:32

Tgt Ion: 178 Resp: 4046435
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.8 22.2
 179 15.8 12.2 18.2





#24

Anthracene

Concen: 55.295 ng

RT: 17.07 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

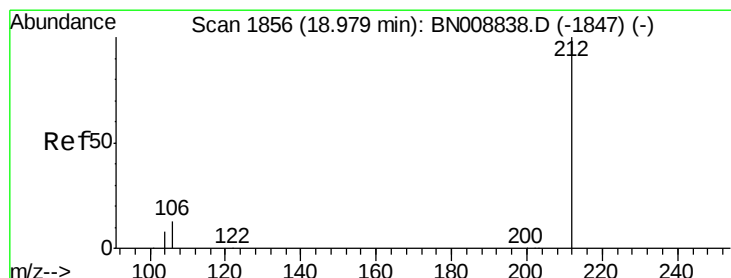
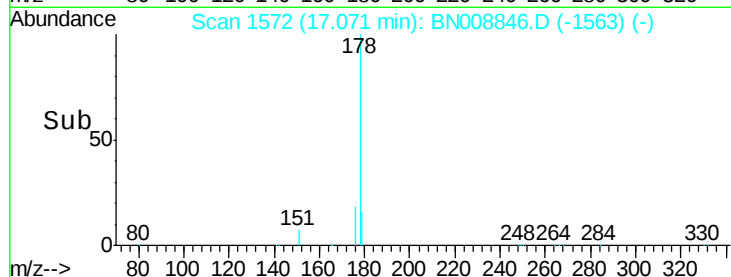
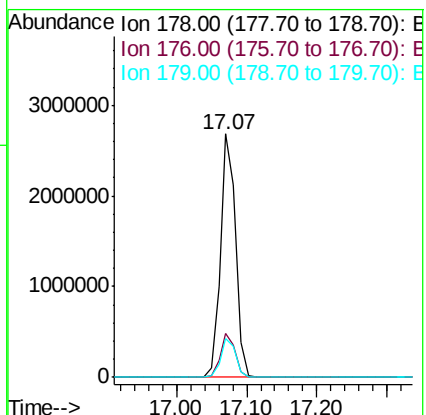
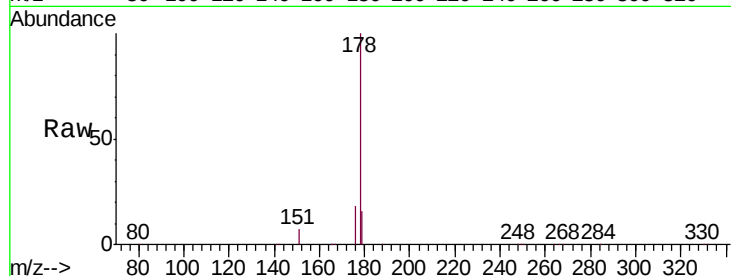
Tgt Ion:178 Resp: 4045121

Ion Ratio Lower Upper

178 100

176 17.8 14.3 21.5

179 15.8 12.2 18.2



#25

Fluoranthene-d10

Concen: 0.002 ng

RT: 18.95 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

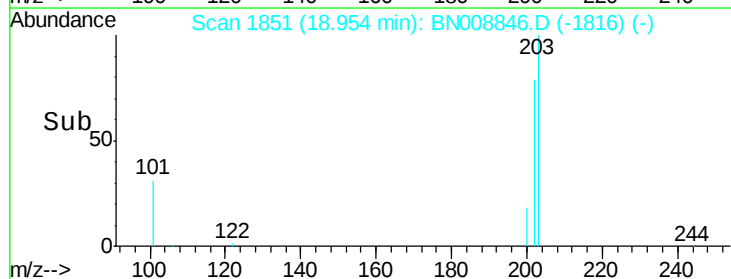
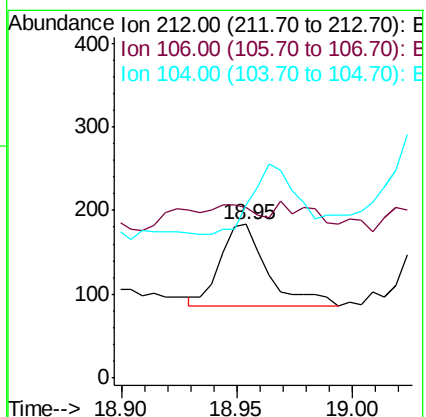
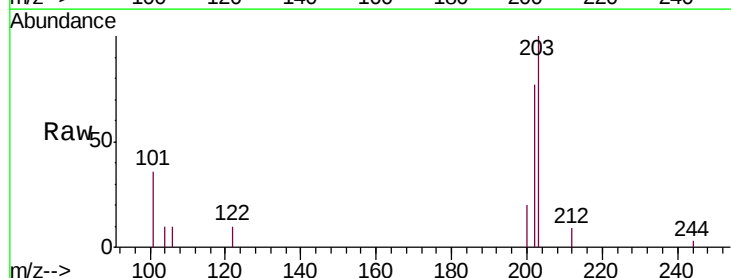
Tgt Ion:212 Resp: 137

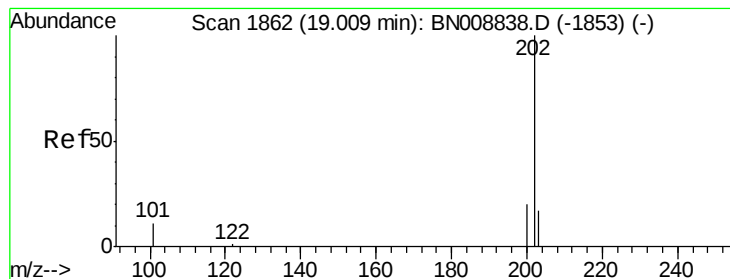
Ion Ratio Lower Upper

212 100

106 17.5 10.7 16.1#

104 87.6 6.1 9.1#





#26

Fluoranthene

Concen: 46.868 ng

RT: 19.01 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

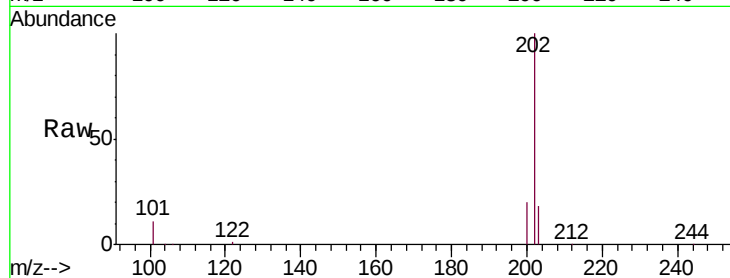
Tgt Ion:202 Resp: 4496733

Ion Ratio Lower Upper

202 100

101 11.6 9.3 13.9

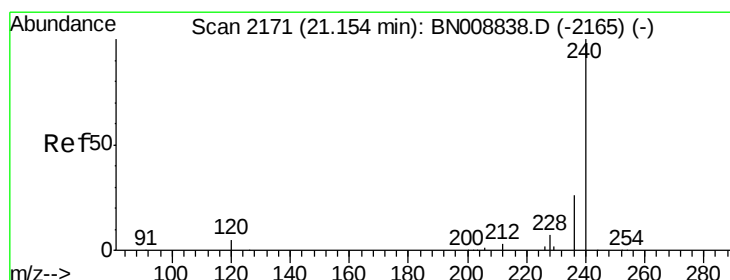
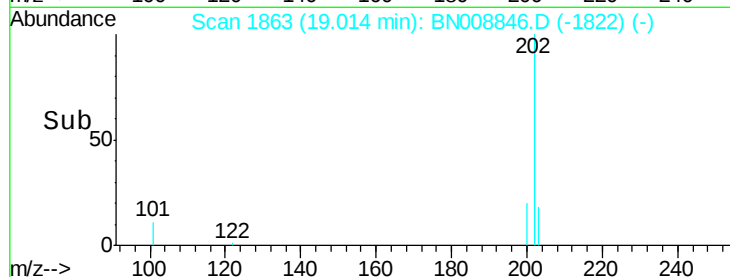
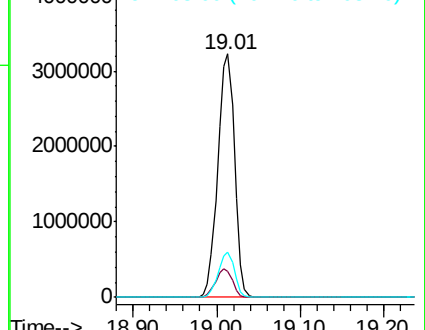
203 18.0 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

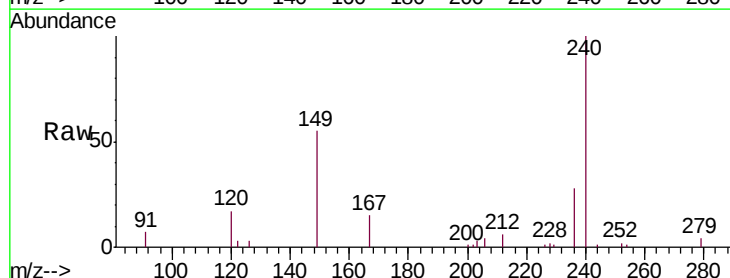
Tgt Ion:240 Resp: 25837

Ion Ratio Lower Upper

240 100

120 16.7 6.0 9.0#

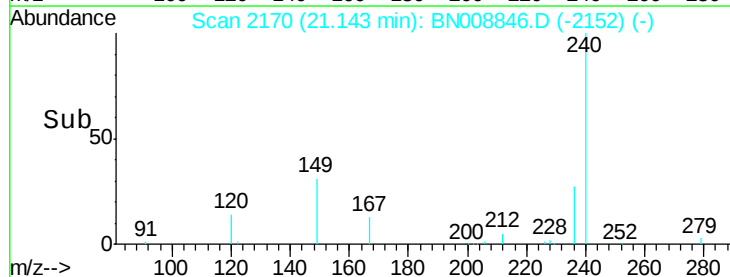
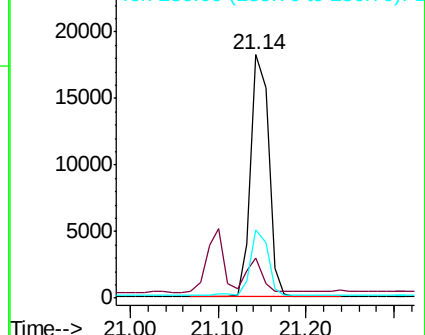
236 27.9 21.4 32.0

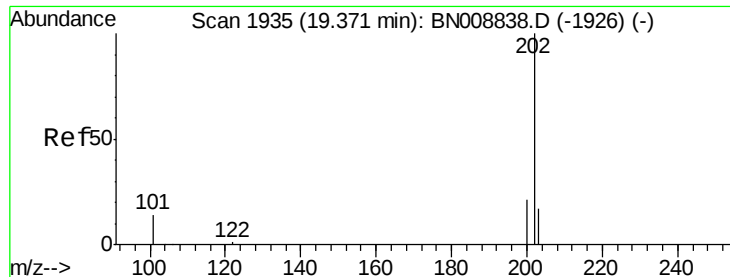


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pyrene

Concen: 126.457 ng

RT: 19.39 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

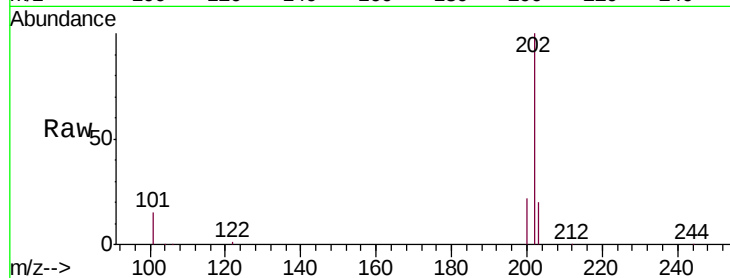
Tgt Ion:202 Resp:11399666

Ion Ratio Lower Upper

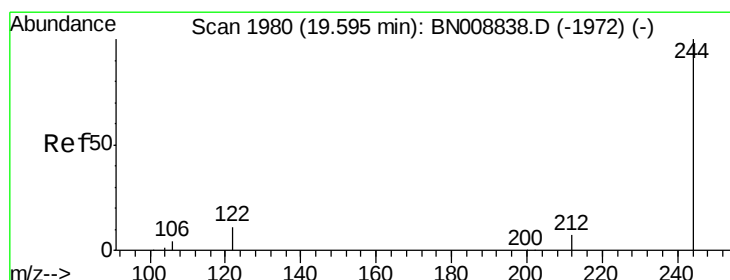
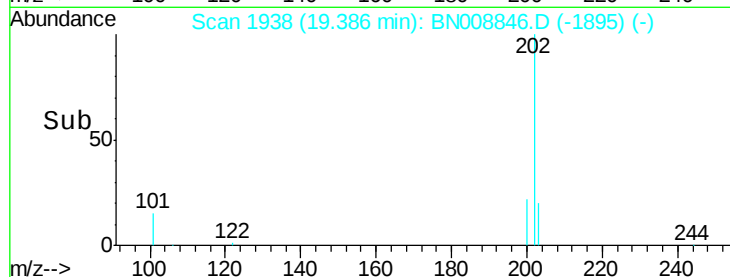
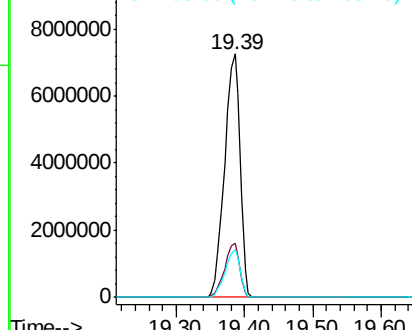
202 100

200 21.5 16.2 24.2

203 19.1 14.2 21.2



Abundance Ion 202.00 (201.70 to 202.70): E
1e+07 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 73.294 ng

RT: 19.59 min Scan# 1980

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

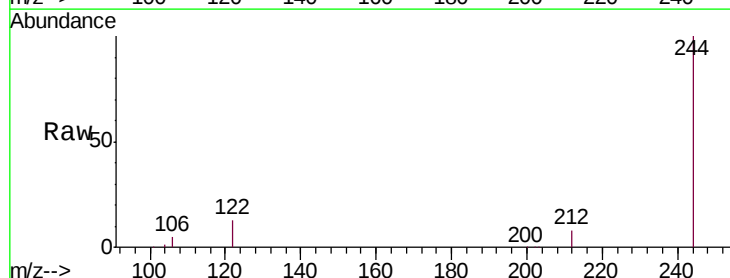
Tgt Ion:244 Resp: 4360556

Ion Ratio Lower Upper

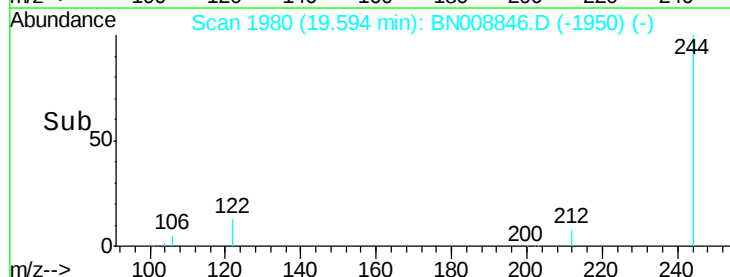
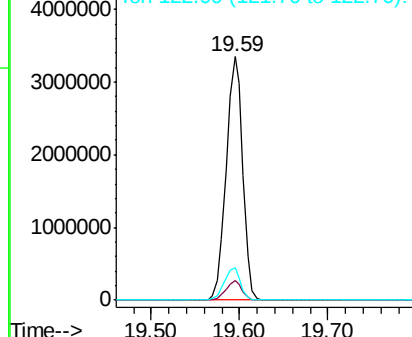
244 100

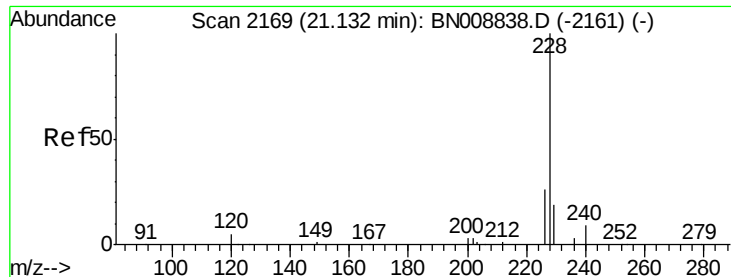
212 8.1 6.1 9.1

122 13.4 8.9 13.3#



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





#30

Benzo(a)anthracene

Concen: 0.012 ng

RT: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

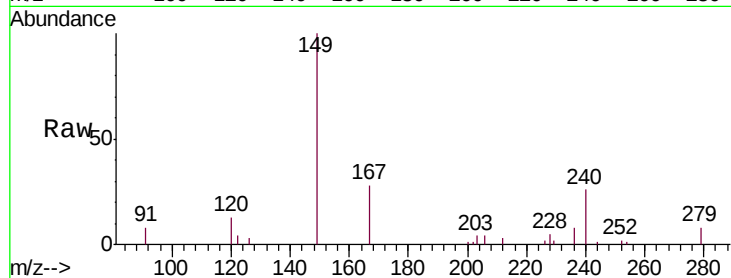
Tgt Ion:228 Resp: 1084

Ion Ratio Lower Upper

228 100

226 41.3 20.8 31.2#

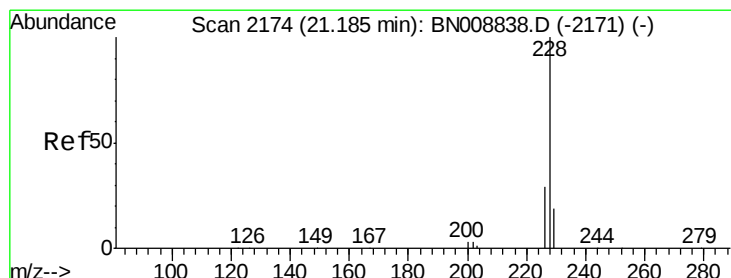
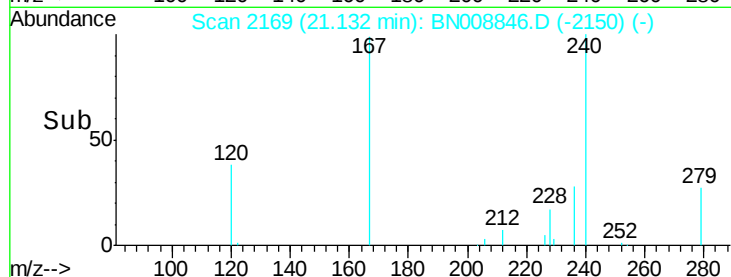
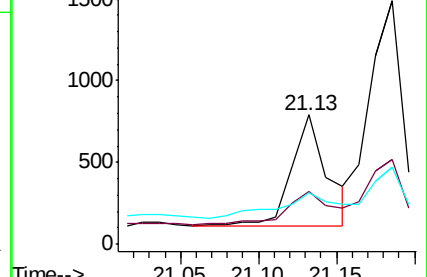
229 40.2 15.9 23.9#



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



#31

Chrysene

Concen: 0.022 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

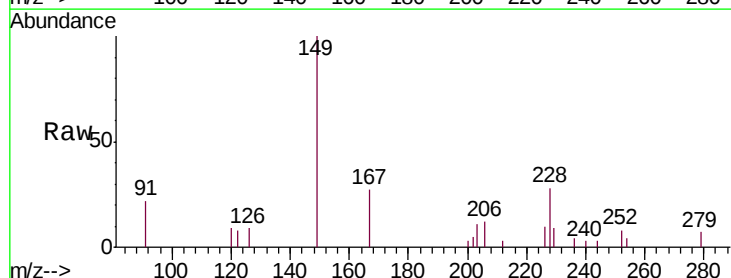
Tgt Ion:228 Resp: 1991

Ion Ratio Lower Upper

228 100

226 35.1 23.1 34.7#

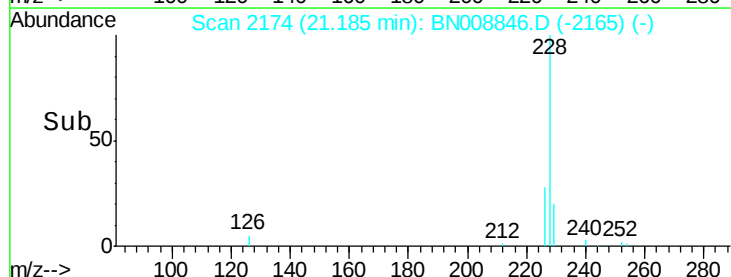
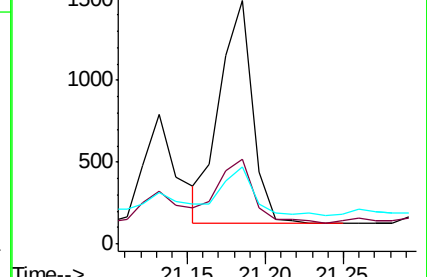
229 31.9 15.8 23.8#

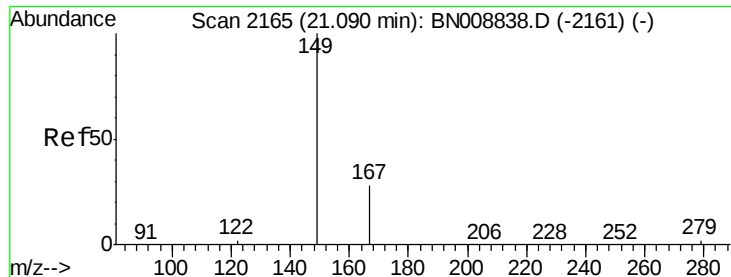


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 163.307 ng

RT: 21.10 min Scan# 2166

Delta R.T. 0.01 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

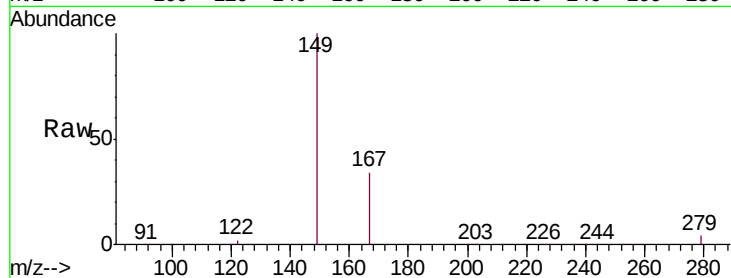
Tgt Ion:149 Resp:10166119

Ion Ratio Lower Upper

149 100

167 32.6 23.1 34.7

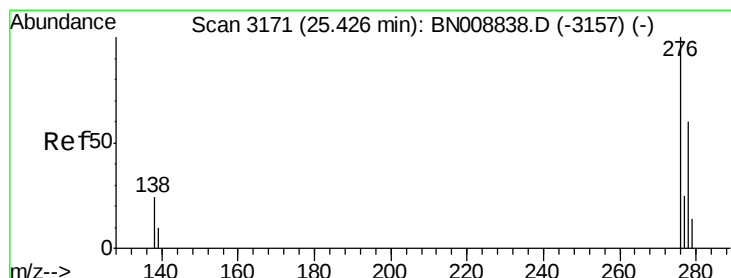
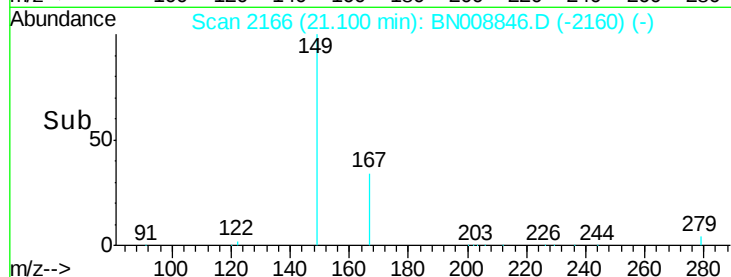
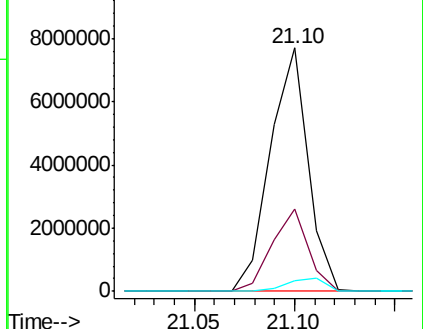
279 5.4 3.4 5.2#



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.026 ng

RT: 25.43 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

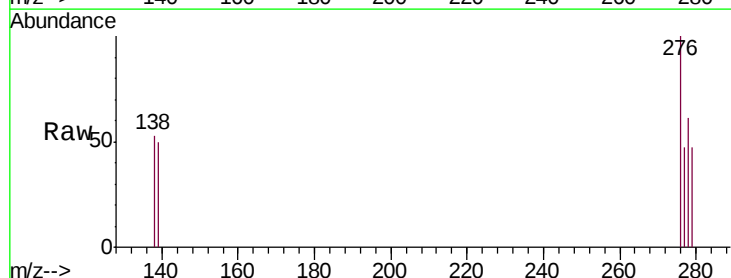
Tgt Ion:276 Resp: 2928

Ion Ratio Lower Upper

276 100

138 0.0 20.2 30.2#

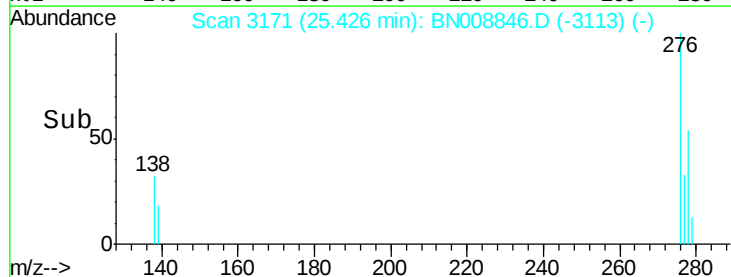
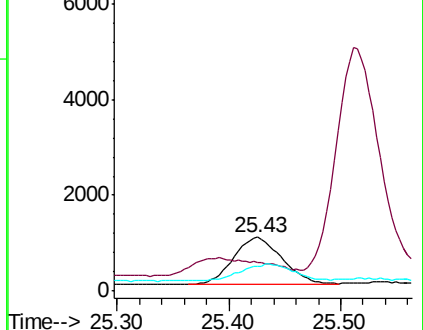
277 39.0 19.8 29.6#

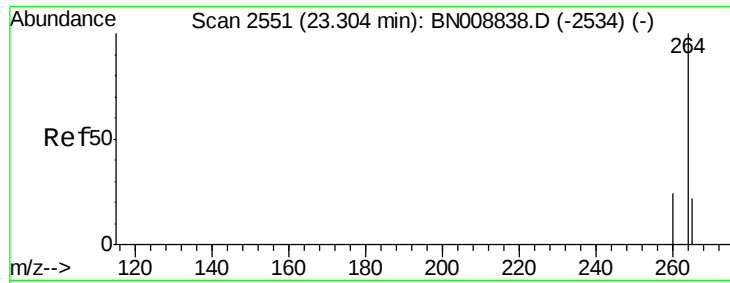


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

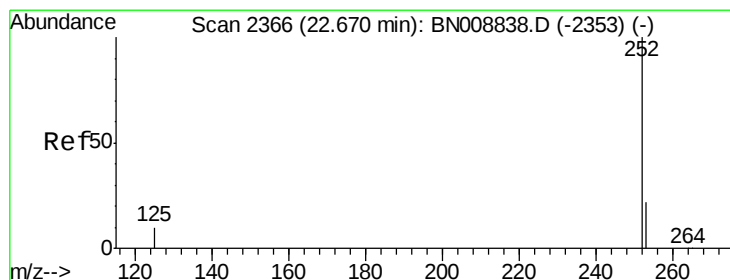
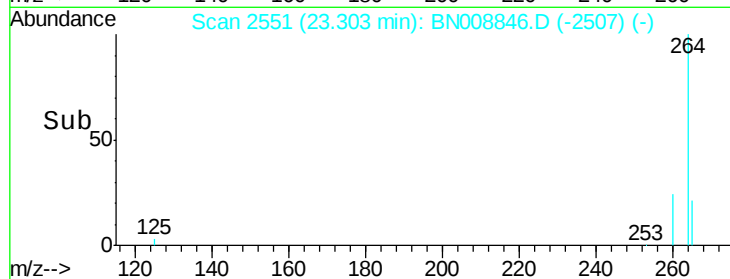
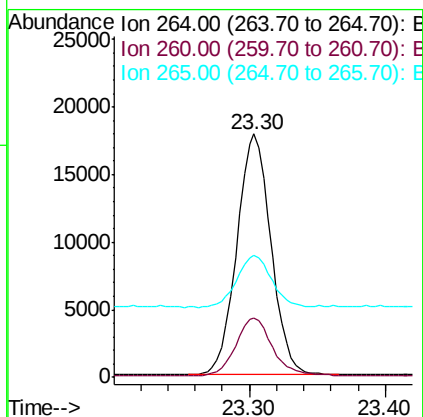
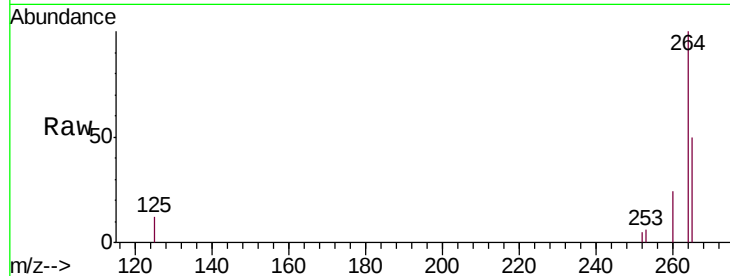




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.30 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: BN008846.D
 Acq: 05 Dec 2019 11:32

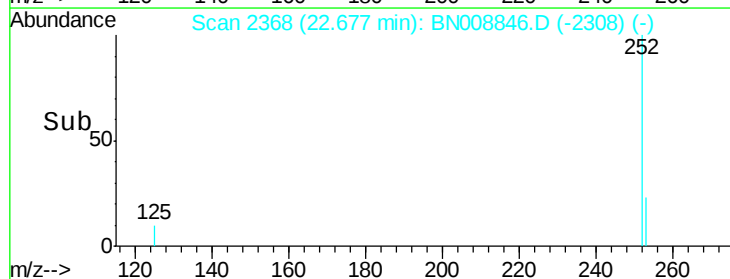
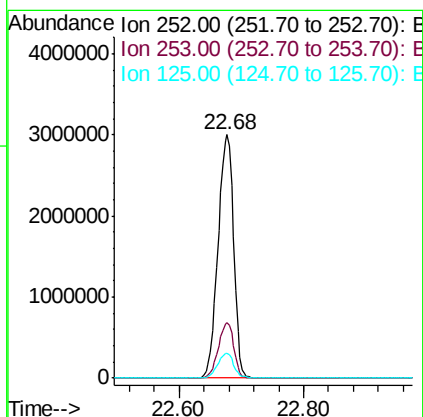
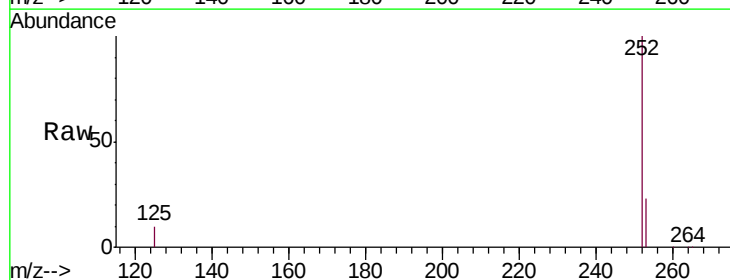
Instrument :
 BNA_N
 ClientSampleId :
 PT-BNA-SOIL

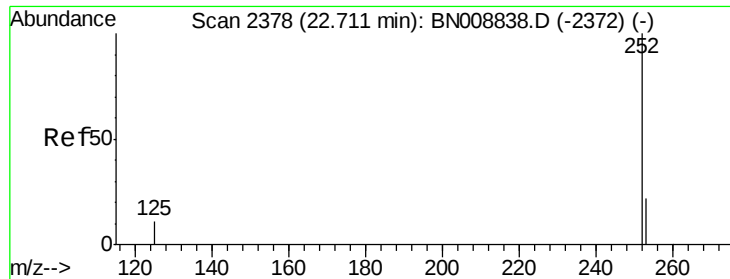
Tgt Ion:264 Resp: 30642
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.9 29.9
 265 50.2 46.8 70.2



#35
Benzo(b)fluoranthene
 Concen: 51.119 ng
 RT: 22.68 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: BN008846.D
 Acq: 05 Dec 2019 11:32

Tgt Ion:252 Resp: 5202752
 Ion Ratio Lower Upper
 252 100
 253 22.9 20.6 31.0
 125 10.3 12.3 18.5#





#36

Benzo(k)fluoranthene

Concen: 52.055 ng

RT: 22.68 min Scan# 2368

Delta R.T. -0.03 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

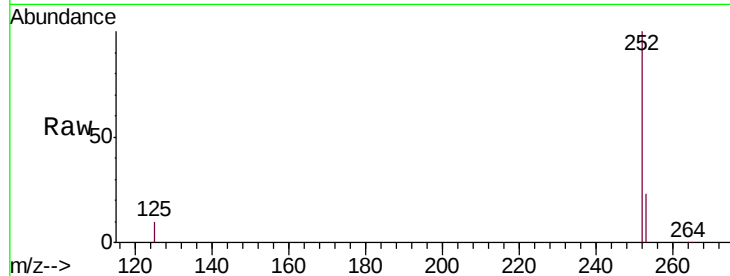
Tgt Ion:252 Resp: 5205054

Ion Ratio Lower Upper

252 100

253 22.9 21.0 31.4

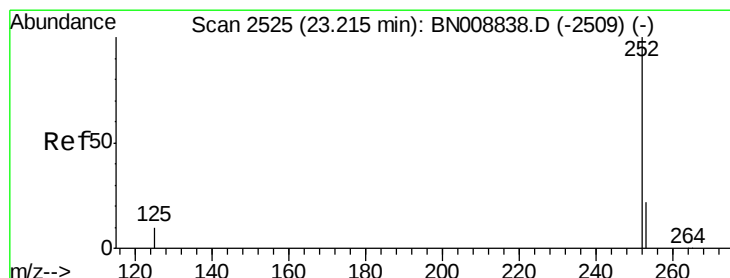
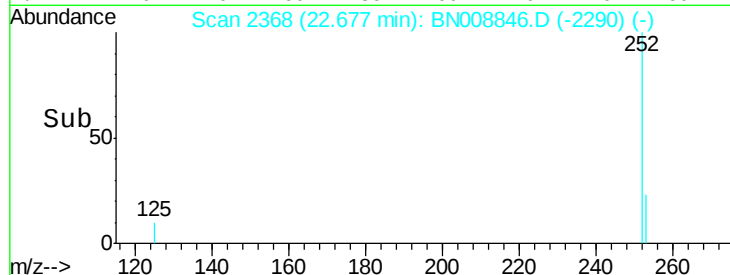
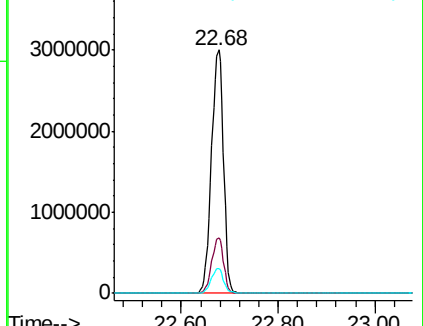
125 10.3 13.5 20.3#



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



#37

Benzo(a)pyrene

Concen: 0.011 ng

RT: 23.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

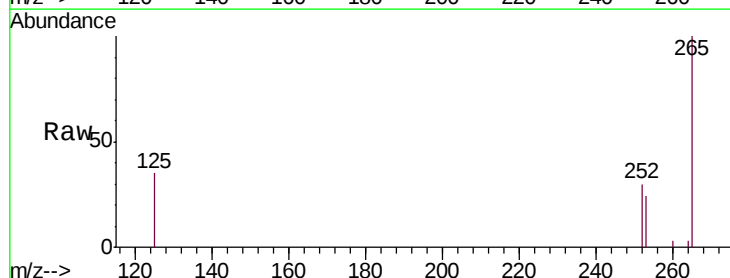
Tgt Ion:252 Resp: 1096

Ion Ratio Lower Upper

252 100

253 78.1 21.4 32.2#

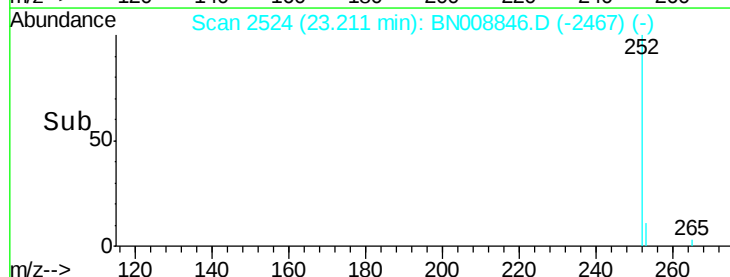
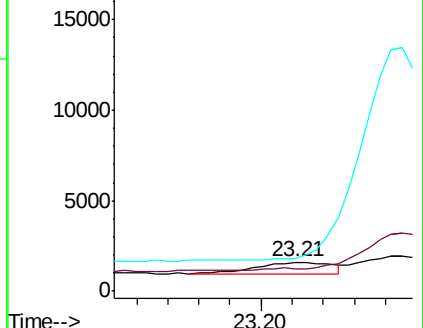
125 113.9 13.7 20.5#

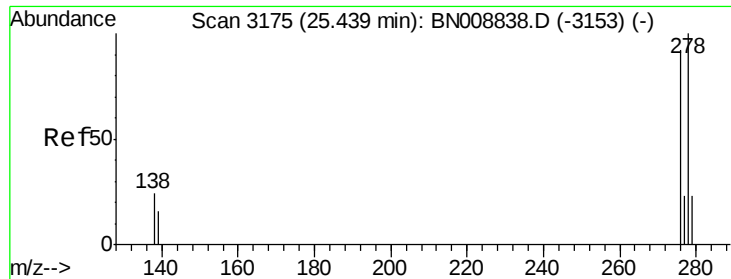


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.019 ng

RT: 25.44 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

Instrument :

BNA_N

ClientSampleId :

PT-BNA-SOIL

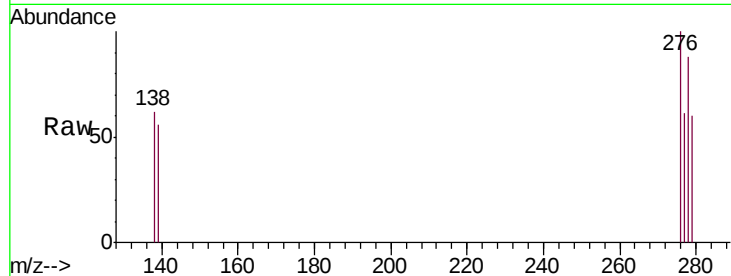
Tgt Ion:278 Resp: 1891

Ion Ratio Lower Upper

278 100

139 63.1 15.3 22.9#

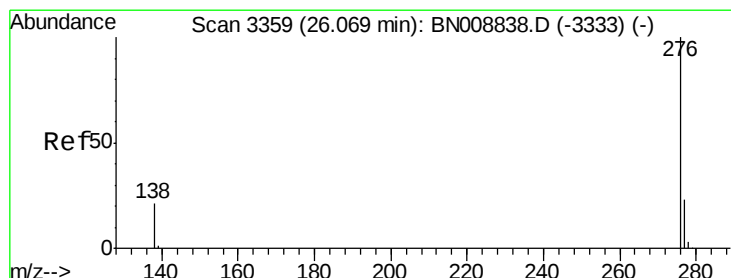
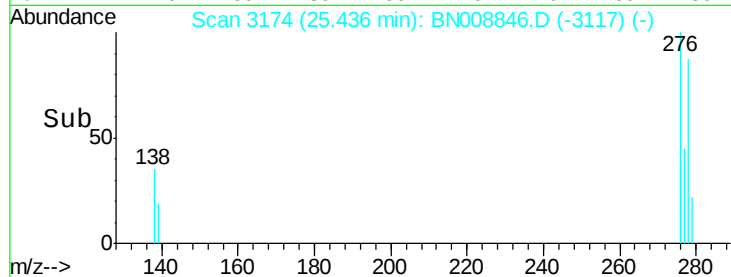
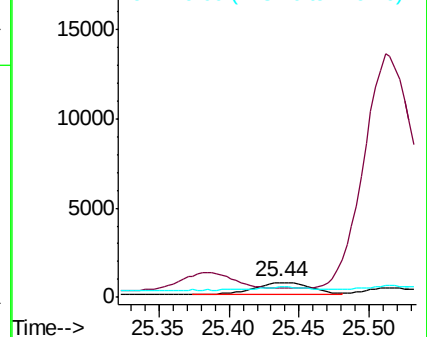
279 68.4 21.2 31.8#



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



#39

Benzo(g,h,i)perylene

Concen: 67.862 ng

RT: 26.10 min Scan# 3368

Delta R.T. 0.03 min

Lab File: BN008846.D

Acq: 05 Dec 2019 11:32

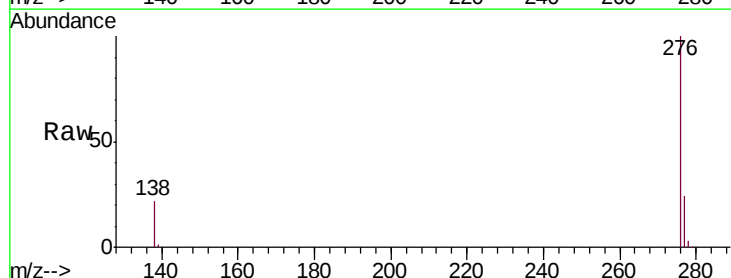
Tgt Ion:276 Resp: 6735593

Ion Ratio Lower Upper

276 100

277 24.0 20.1 30.1

138 21.7 18.6 27.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

