

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062819\
 Data File : BN006612.D
 Acq On : 28 Jun 2019 14:39
 Operator : HP/JU
 Sample : K2241-01
 Misc : LOD-S-0.1PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Quant Time: Jun 29 01:09:53 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 13:47:56 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	2948	0.40	ng	0.00
7) Naphthalene-d8	10.42	136	12135	0.40	ng	0.01
13) Acenaphthene-d10	14.28	164	7921	0.40	ng	0.00
19) Phenanthrene-d10	17.04	188	18539	0.40	ng	0.00
27) Chrysene-d12	21.28	240	18080	0.40	ng	0.01
34) Perylene-d12	23.53	264	19713	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.25	112	2702	0.37	ng	0.00
5) Phenol-d6	6.85	99	3306	0.35	ng	0.02
8) Nitrobenzene-d5	8.82	82	2633	0.32	ng	0.03
11) 2-Methylnaphthalene-d10	12.02	152	7410	0.39	ng	0.01
14) 2,4,6-Tribromophenol	15.80	330	1178	0.32	ng	0.01
15) 2-Fluorobiphenyl	12.89	172	11484	0.39	ng	0.00
25) Fluoranthene-d10	19.09	212	20928	0.38	ng	0.00
29) Terphenyl-d14	19.69	244	16084	0.42	ng	0.00

Target Compounds

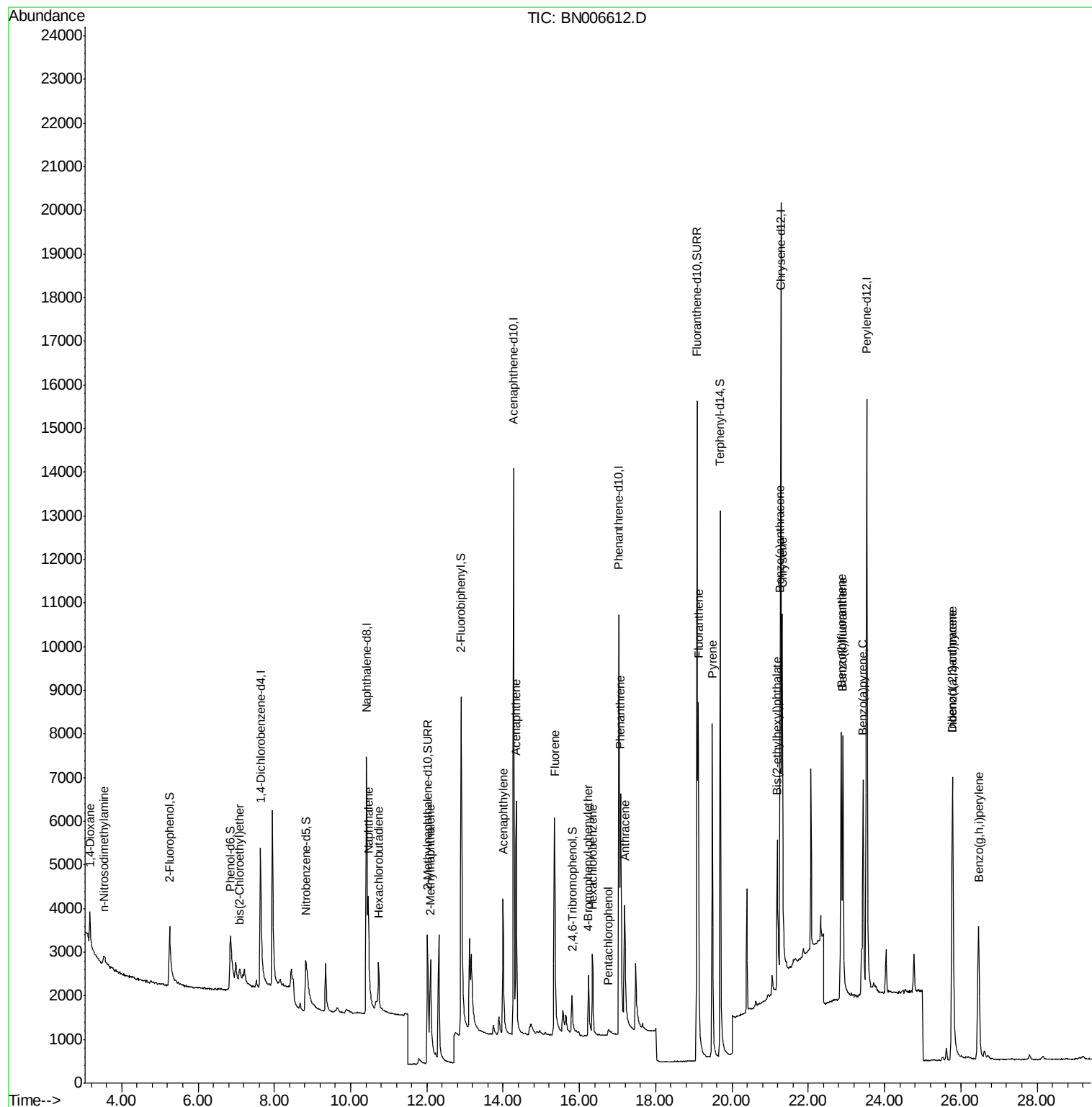
						Qvalue
2) 1,4-Dioxane	3.17	88	635	0.156	ng	88
3) n-Nitrosodimethylamine	3.54	42	271	0.085	ng	# 81
6) bis(2-Chloroethyl)ether	7.10	93	852	0.100	ng	# 88
9) Naphthalene	10.47	128	4120	0.129	ng	# 94
10) Hexachlorobutadiene	10.73	225	828	0.126	ng	# 99
12) 2-Methylnaphthalene	12.09	142	2790	0.127	ng	97
16) Acenaphthylene	14.00	152	4410	0.117	ng	100
17) Acenaphthene	14.34	154	3024	0.122	ng	99
18) Fluorene	15.35	166	3809	0.121	ng	98
20) 4-Bromophenyl-phenylether	16.24	248	1114	0.108	ng	# 92
21) Hexachlorobenzene	16.34	284	1603	0.123	ng	99
22) Pentachlorophenol	16.76	266	295	0.291	ng	96
23) Phenanthrene	17.08	178	6220	0.118	ng	98
24) Anthracene	17.18	178	4861	0.106	ng	99
26) Fluoranthene	19.12	202	8119	0.127	ng	99
28) Pyrene	19.48	202	8299	0.131	ng	99
30) Benzo(a)anthracene	21.26	228	6957	0.118	ng	97
31) Chrysene	21.32	228	8374	0.131	ng	99
32) Bis(2-ethylhexyl)phthalate	21.18	149	2869	0.096	ng	98
33) Indeno(1,2,3-cd)pyrene	25.78	276	8319	0.129	ng	99
35) Benzo(b)fluoranthene	22.86	252	8491	0.127	ng	# 89
36) Benzo(k)fluoranthene	22.91	252	8962	0.125	ng	# 89
37) Benzo(a)pyrene	23.44	252	7975	0.127	ng	# 86
38) Dibenzo(a,h)anthracene	25.79	278	6771	0.124	ng	# 90
39) Benzo(g,h,i)perylene	26.47	276	7154	0.131	ng	95

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

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QLast Update : Fri Jun 28 13:47:56 2019
Response via : Initial Calibration



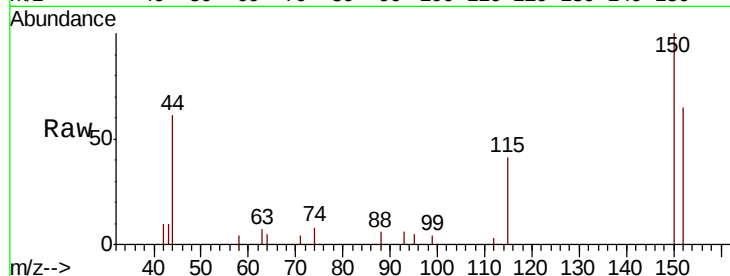


#1

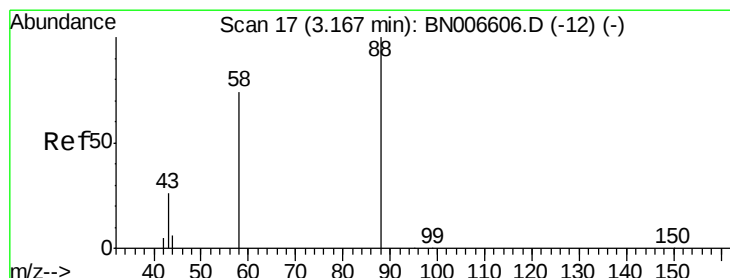
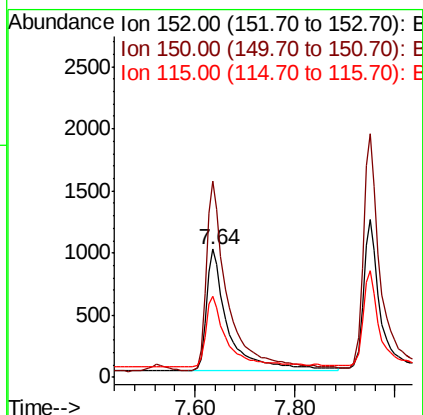
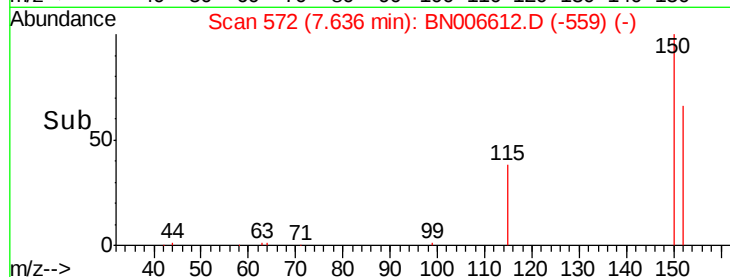
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 572
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 2948
Ion Ratio Lower Upper
152 100
150 153.2 122.2 183.2
115 63.6 50.0 75.0



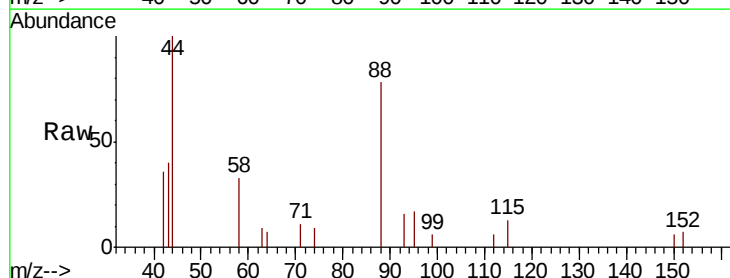
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



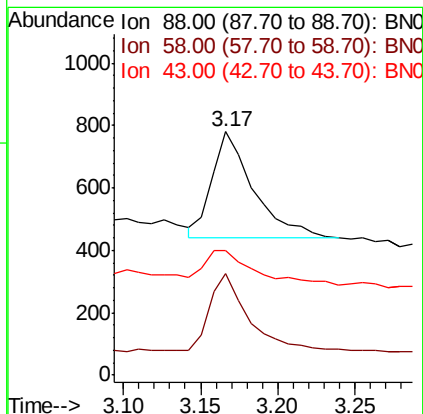
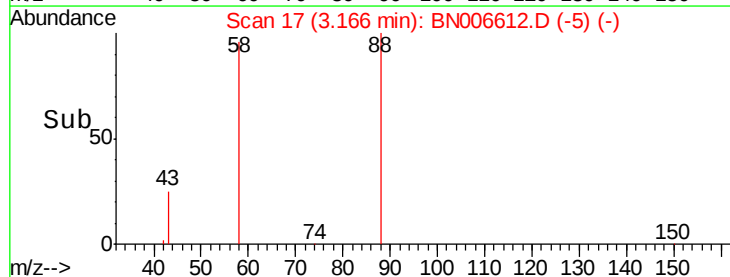
#2

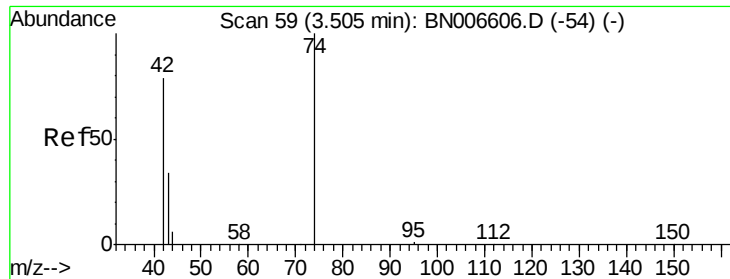
1,4-Dioxane
Concen: 0.156 ng
RT: 3.17 min Scan# 17
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion: 88 Resp: 635
Ion Ratio Lower Upper
88 100
58 67.2 62.5 93.7
43 37.8 25.4 38.0



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





#3

n-Nitrosodimethylamine

Concen: 0.085 ng

RT: 3.54 min Scan# 63

Delta R.T. 0.03 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

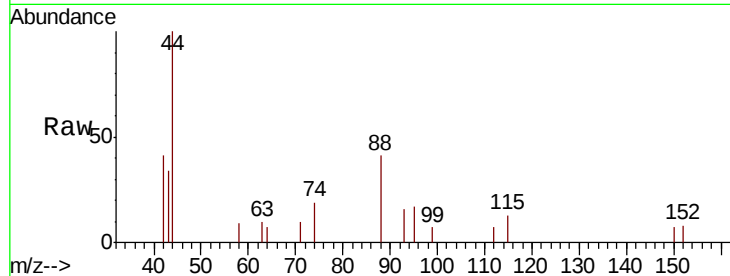
Tgt Ion: 42 Resp: 271

Ion Ratio Lower Upper

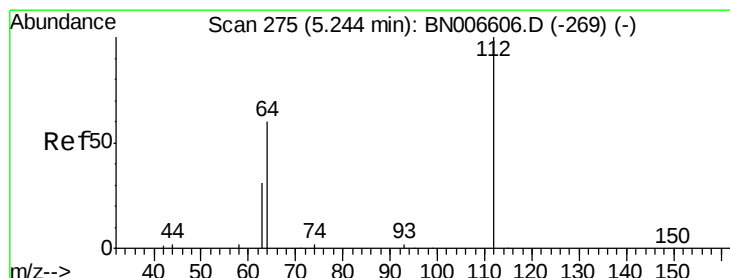
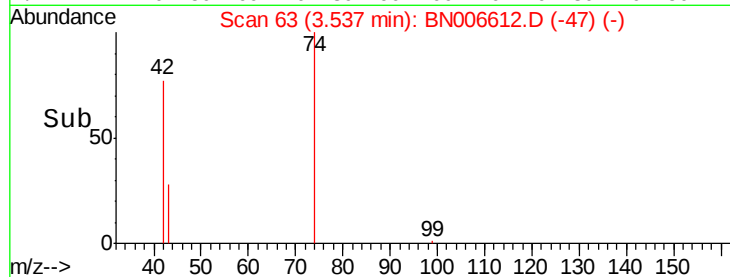
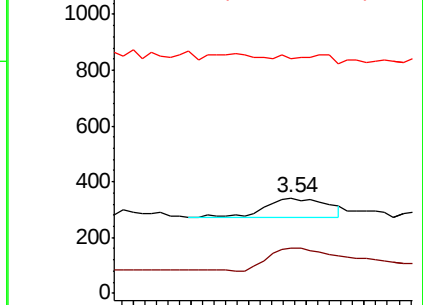
42 100

74 106.3 103.1 154.7

44 0.0 3.4 5.2#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.374 ng

RT: 5.25 min Scan# 276

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

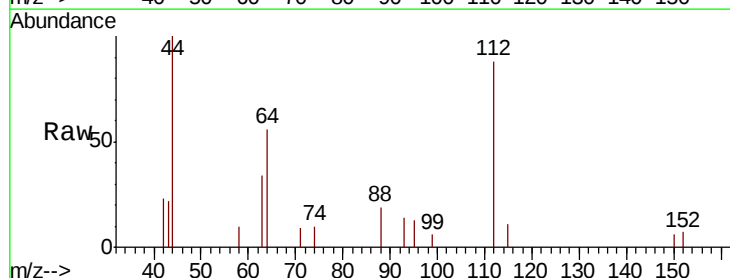
Tgt Ion: 112 Resp: 2702

Ion Ratio Lower Upper

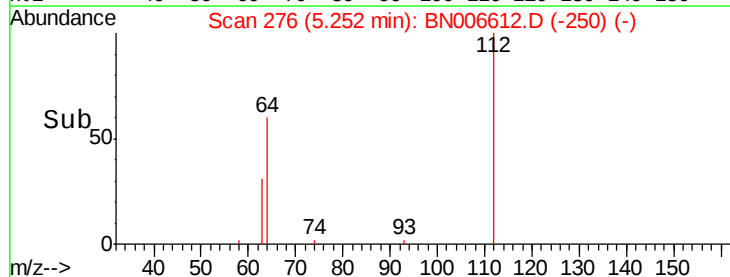
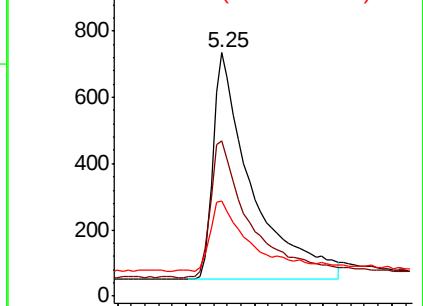
112 100

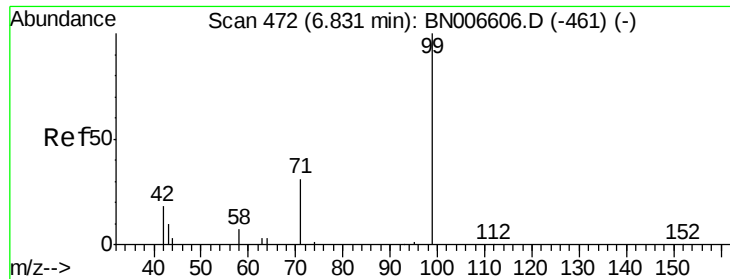
64 62.2 48.9 73.3

63 31.4 24.3 36.5



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





#5

Phenol-d6

Concen: 0.345 ng

RT: 6.85 min Scan# 474

Delta R.T. 0.02 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

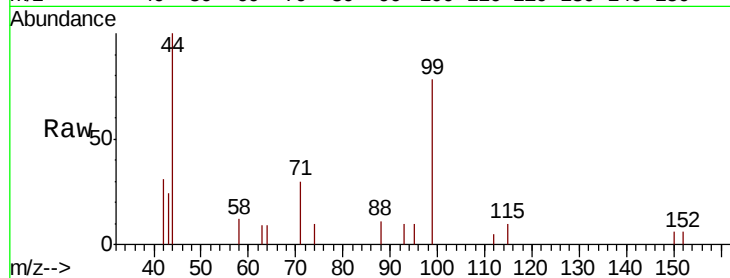
Tgt Ion: 99 Resp: 3306

Ion Ratio Lower Upper

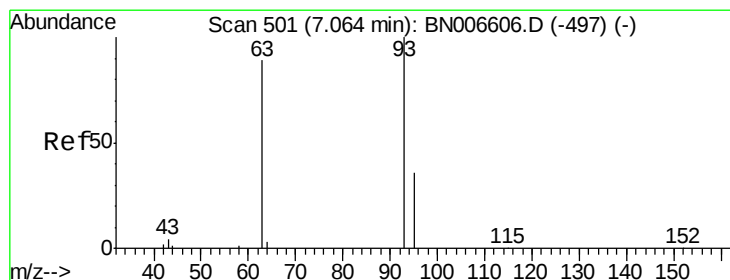
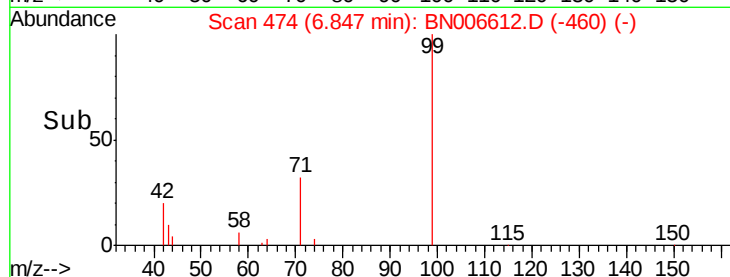
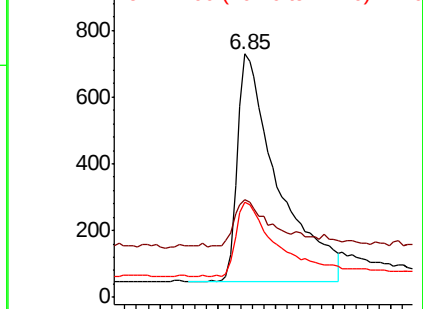
99 100

42 16.5 16.4 24.6

71 32.8 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: 0.100 ng

RT: 7.10 min Scan# 505

Delta R.T. 0.03 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

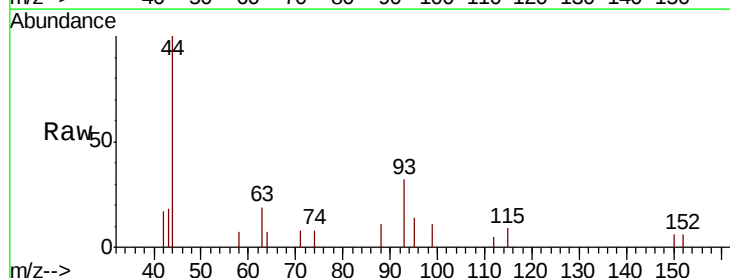
Tgt Ion: 93 Resp: 852

Ion Ratio Lower Upper

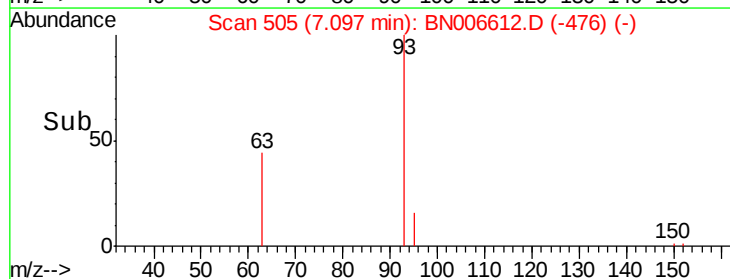
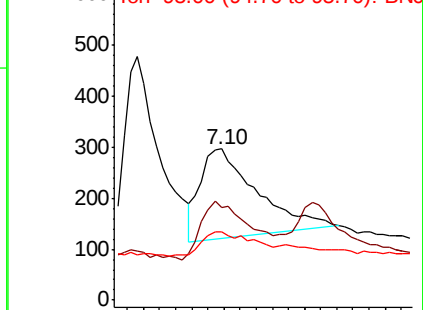
93 100

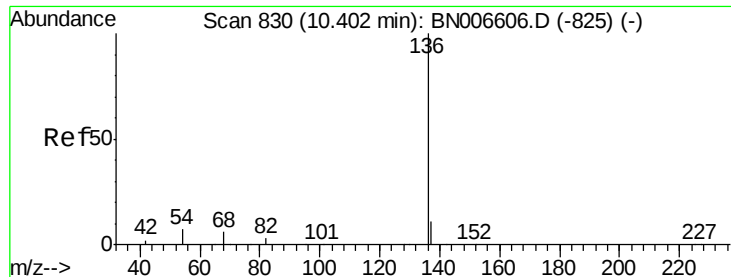
63 56.1 52.5 78.7

95 23.7 24.2 36.4#



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





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.42 min Scan# 831

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion: 136 Resp: 12135

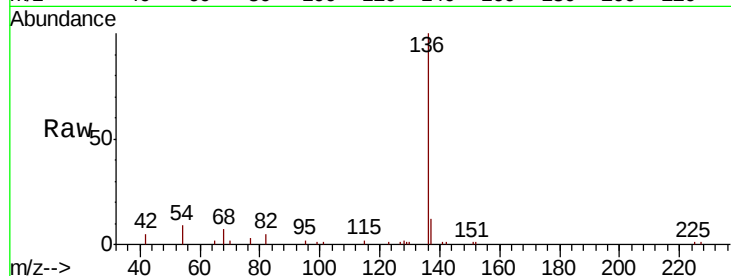
Ion Ratio Lower Upper

136 100

137 12.0 9.3 13.9

54 9.2 6.7 10.1

68 7.2 5.3 7.9

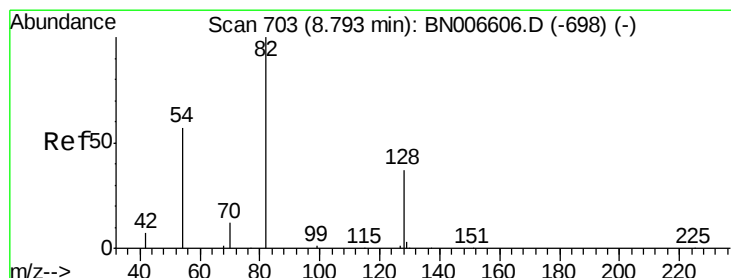
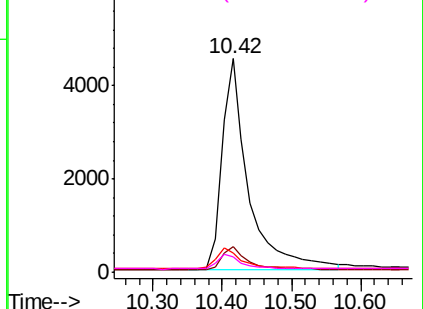
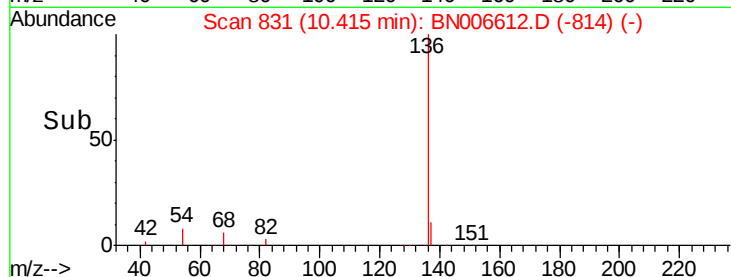


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.323 ng

RT: 8.82 min Scan# 705

Delta R.T. 0.03 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

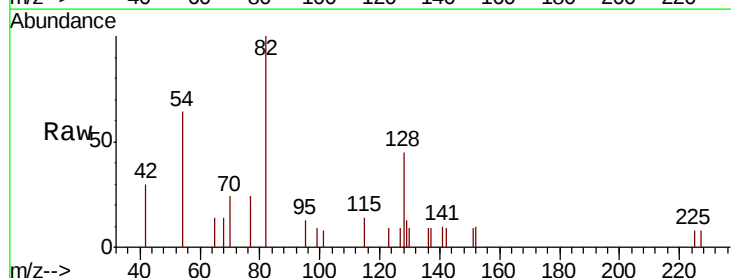
Tgt Ion: 82 Resp: 2633

Ion Ratio Lower Upper

82 100

128 44.8 32.6 49.0

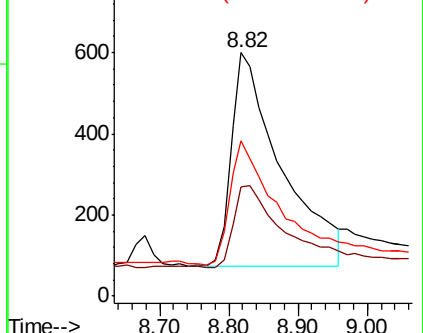
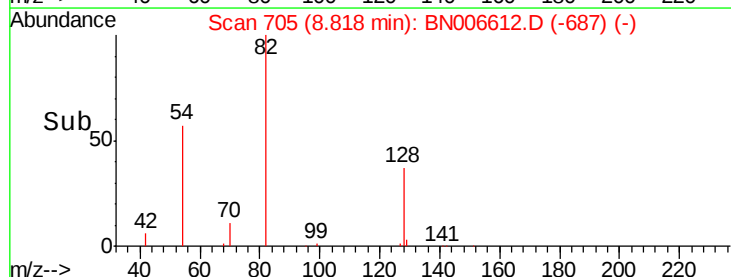
54 63.8 48.2 72.4

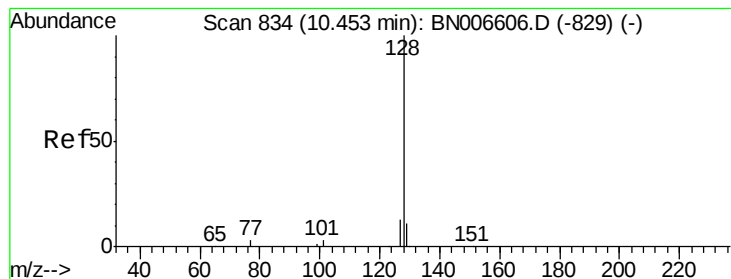


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.129 ng

RT: 10.47 min Scan# 835

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

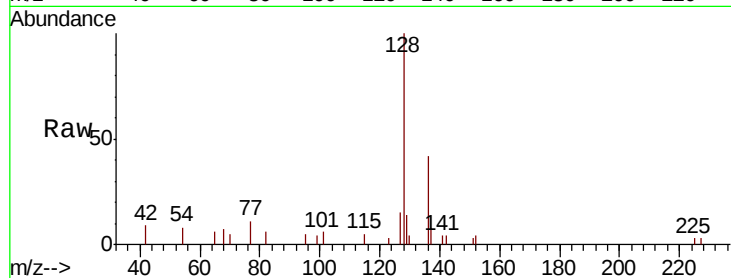
Tgt Ion:128 Resp: 4120

Ion Ratio Lower Upper

128 100

129 14.2 9.3 13.9#

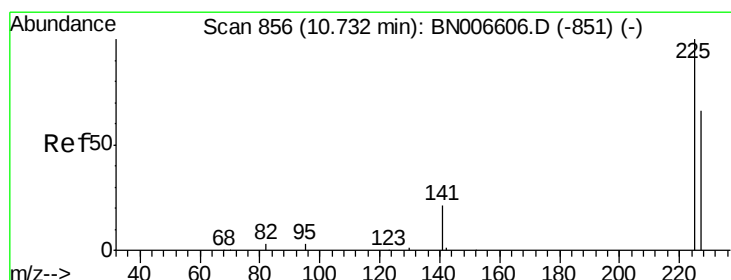
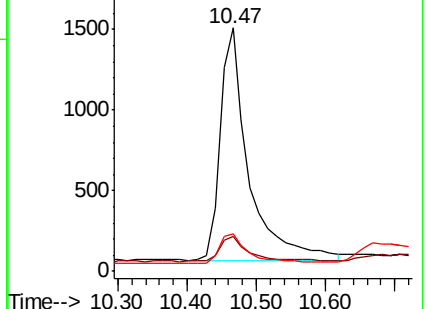
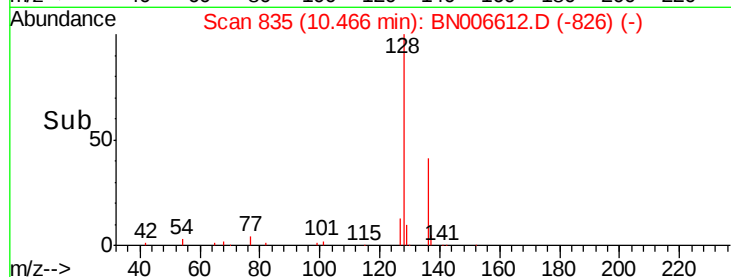
127 15.5 10.8 16.2



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



#10

Hexachlorobutadiene

Concen: 0.126 ng

RT: 10.73 min Scan# 856

Delta R.T. -0.00 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

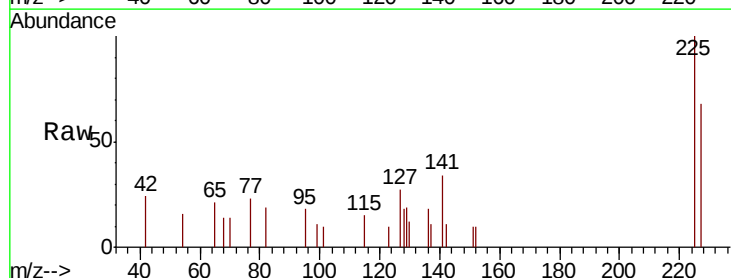
Tgt Ion:225 Resp: 828

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

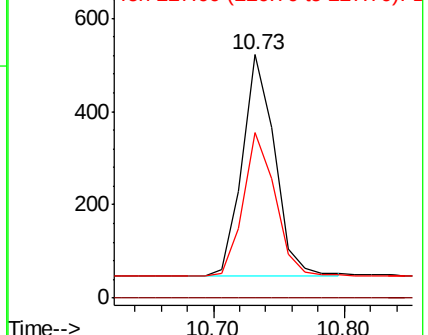
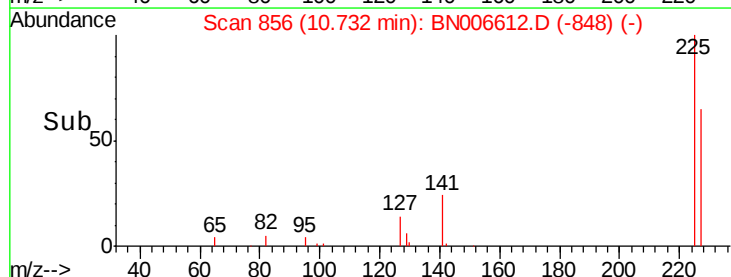
227 63.5 51.4 77.2

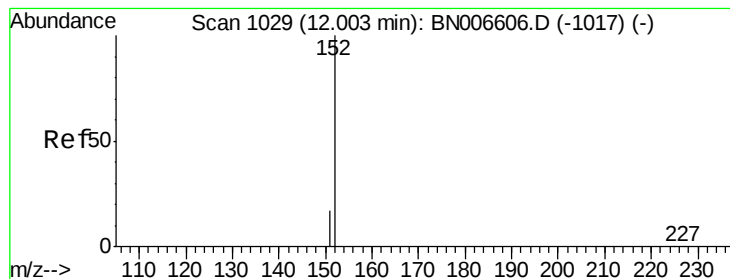


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.388 ng

RT: 12.02 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

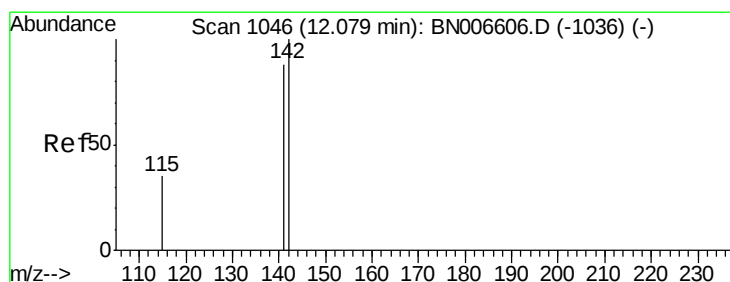
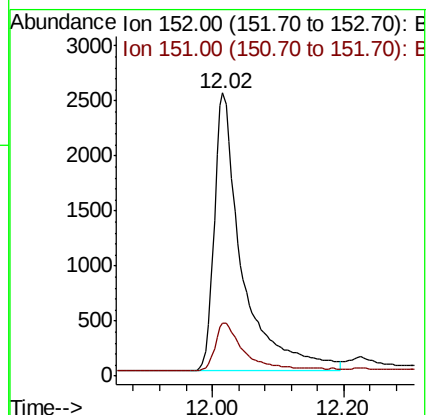
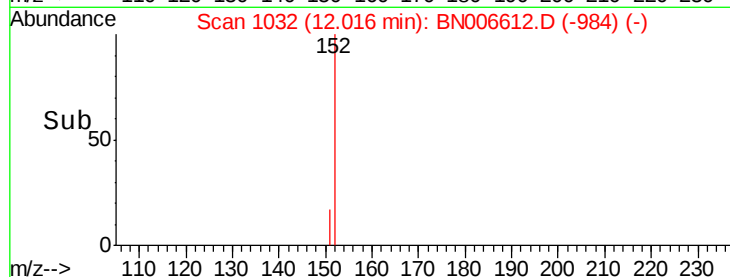
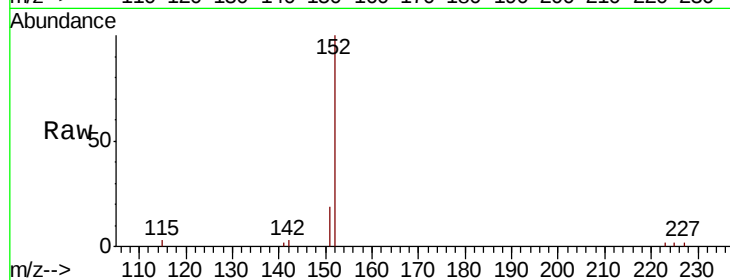
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:152 Resp: 7410

Ion Ratio Lower Upper

152 100

151 18.8 15.0 22.4



#12

2-Methylnaphthalene

Concen: 0.127 ng

RT: 12.09 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

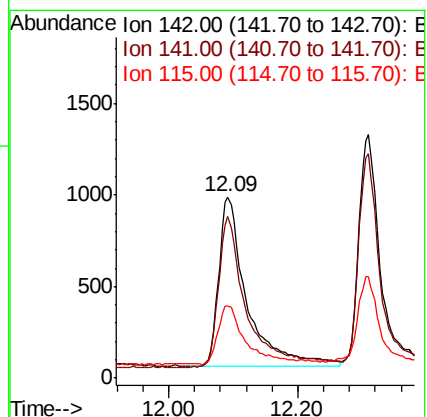
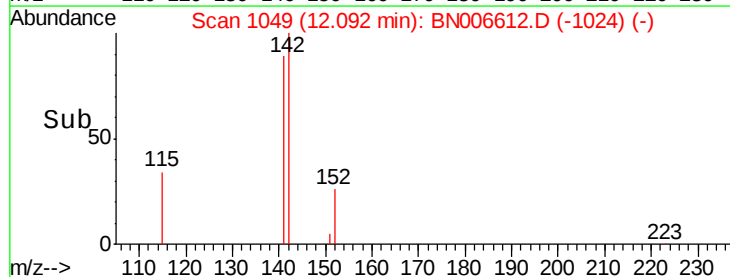
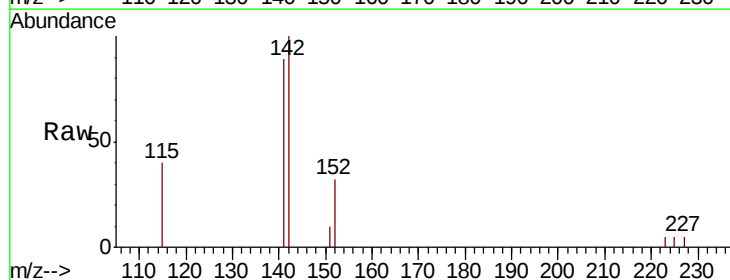
Tgt Ion:142 Resp: 2790

Ion Ratio Lower Upper

142 100

141 88.8 70.2 105.4

115 39.6 28.5 42.7

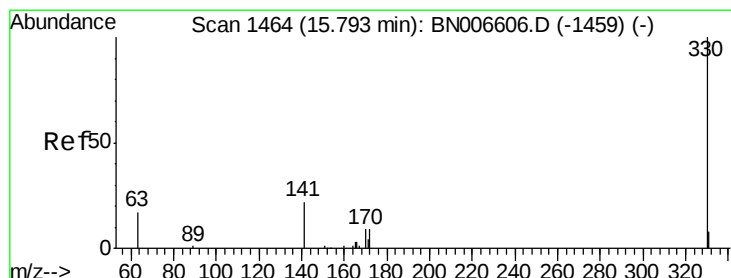
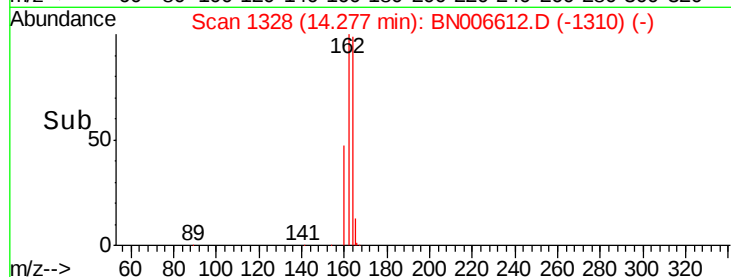
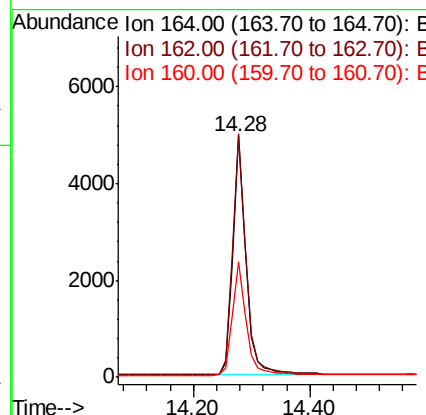
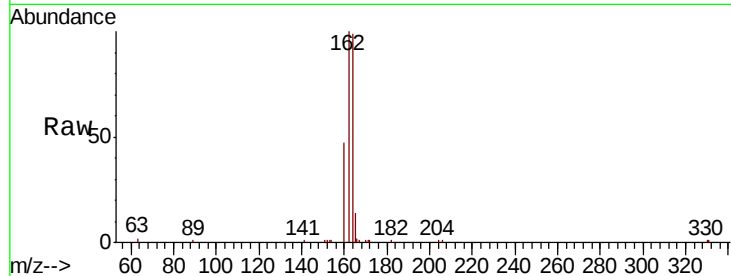




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.28 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

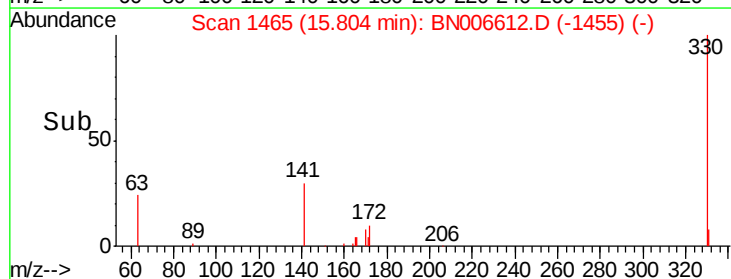
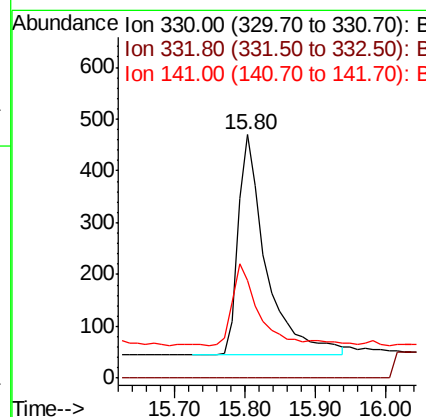
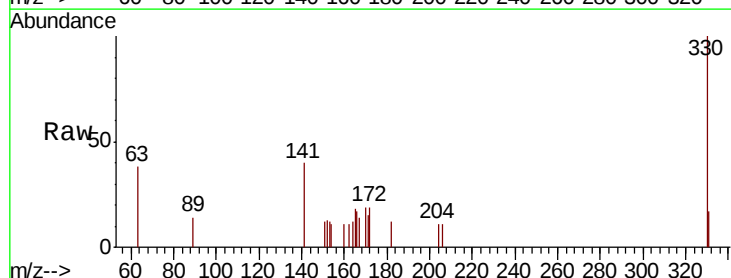
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:164 Resp: 7921
Ion Ratio Lower Upper
164 100
162 101.2 80.0 120.0
160 48.0 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.80 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:330 Resp: 1178
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 37.0 26.5 39.7

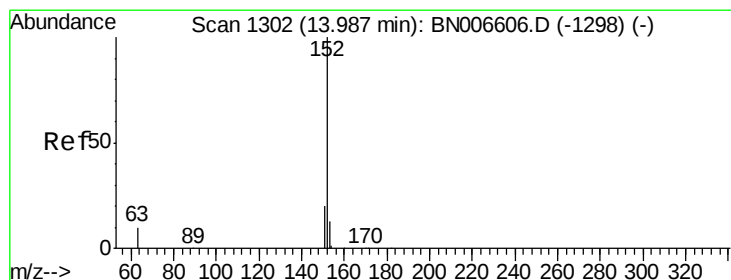
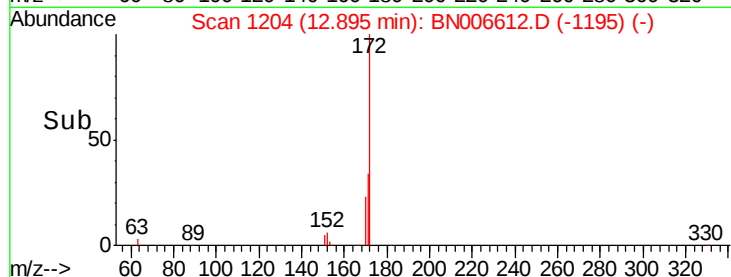
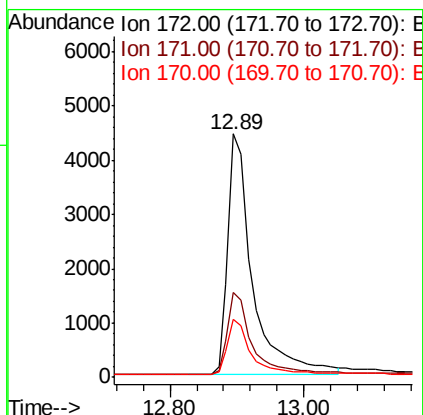
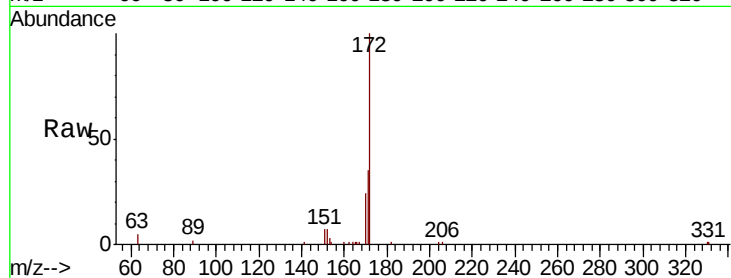




#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.89 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

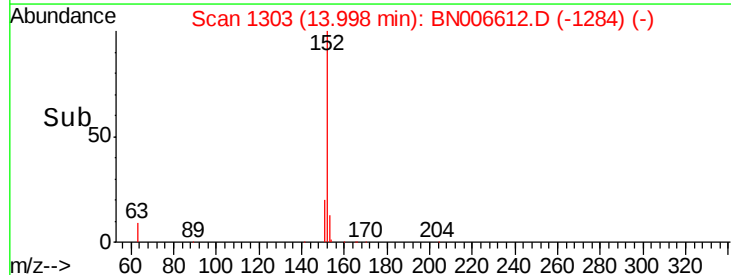
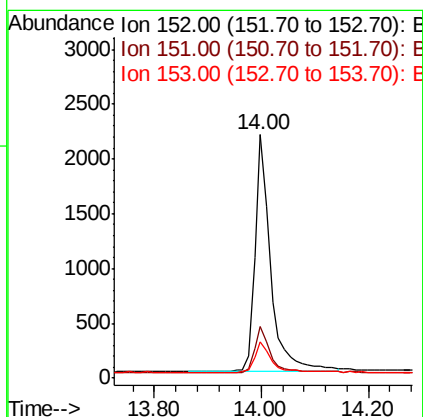
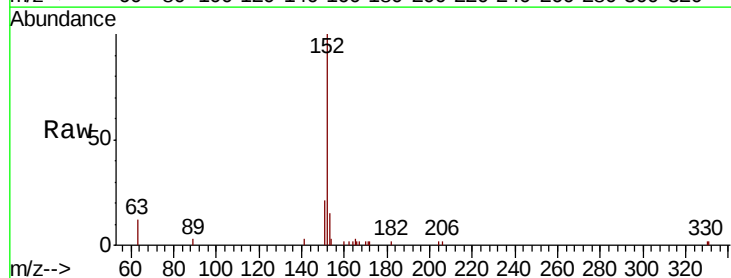
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

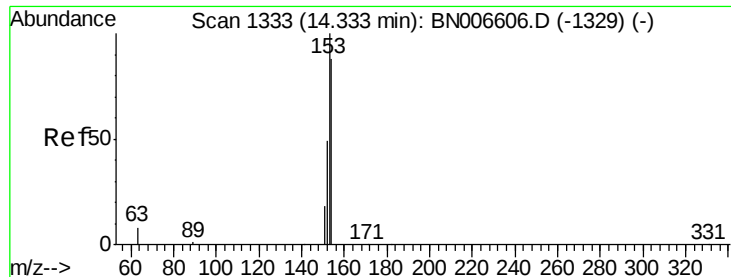
Tgt Ion:172 Resp: 11484
Ion Ratio Lower Upper
172 100
171 34.9 27.0 40.4
170 23.9 17.7 26.5



#16
Acenaphthylene
Concen: 0.117 ng
RT: 14.00 min Scan# 1303
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:152 Resp: 4410
Ion Ratio Lower Upper
152 100
151 19.3 15.6 23.4
153 12.9 10.5 15.7





#17

Acenaphthene

Concen: 0.122 ng

RT: 14.34 min Scan# 1334

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

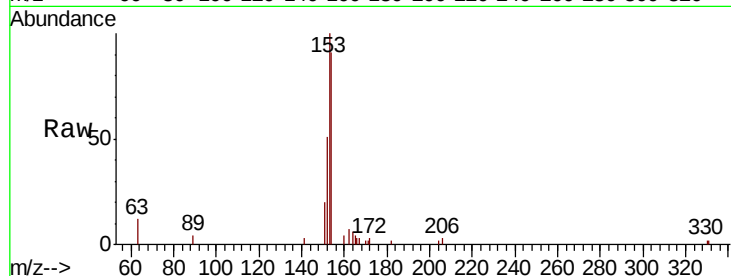
Tgt Ion:154 Resp: 3024

Ion Ratio Lower Upper

154 100

153 113.5 90.2 135.4

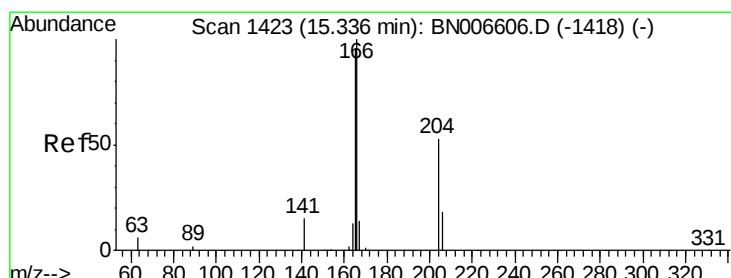
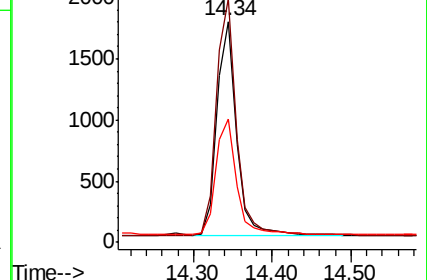
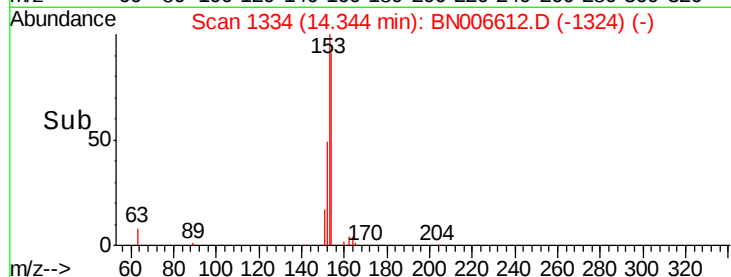
152 56.2 44.2 66.4



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



#18

Fluorene

Concen: 0.121 ng

RT: 15.35 min Scan# 1424

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

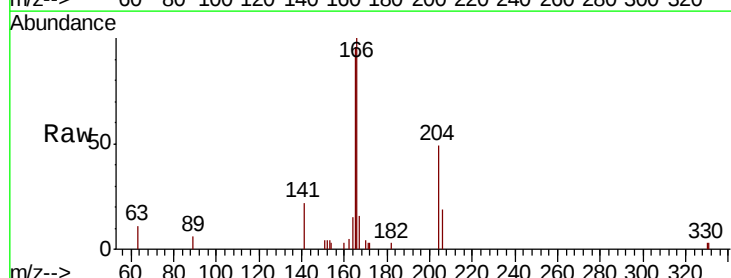
Tgt Ion:166 Resp: 3809

Ion Ratio Lower Upper

166 100

165 95.5 78.4 117.6

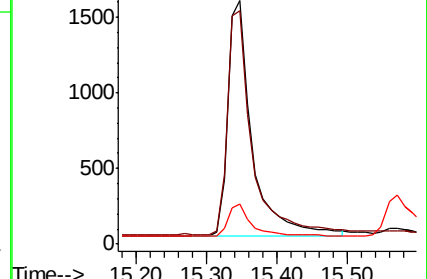
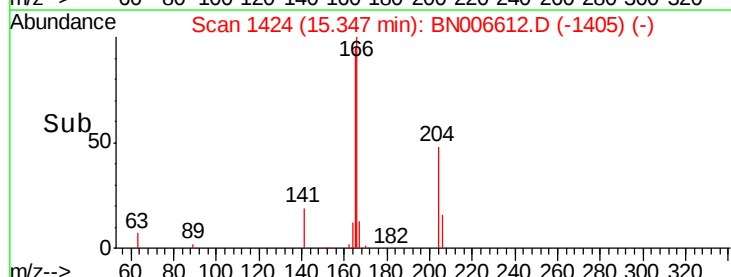
167 13.6 10.8 16.2

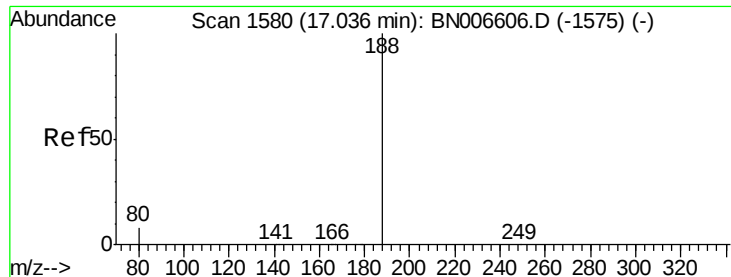


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.04 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

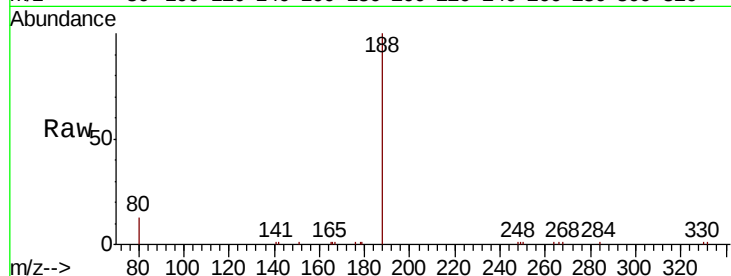
Tgt Ion:188 Resp: 18539

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

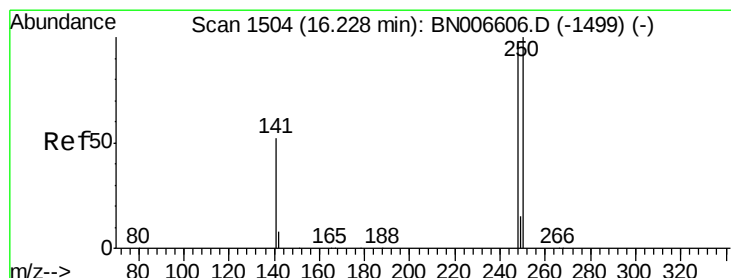
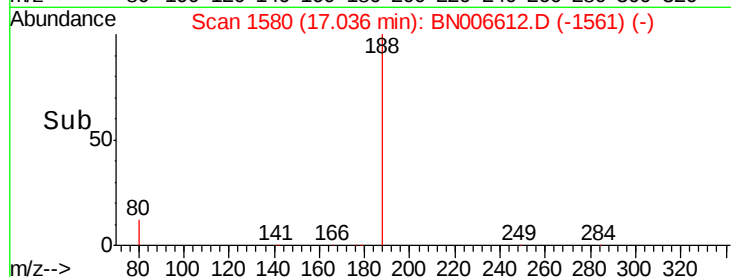
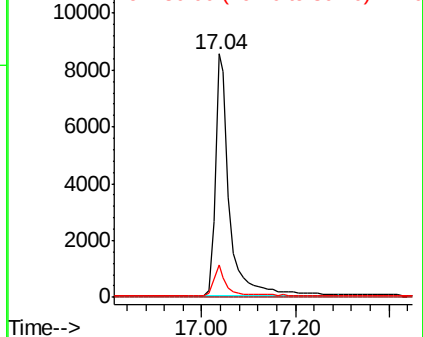
80 13.1 7.1 10.7#



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



#20

4-Bromophenyl-phenylether

Concen: 0.108 ng

RT: 16.24 min Scan# 1505

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

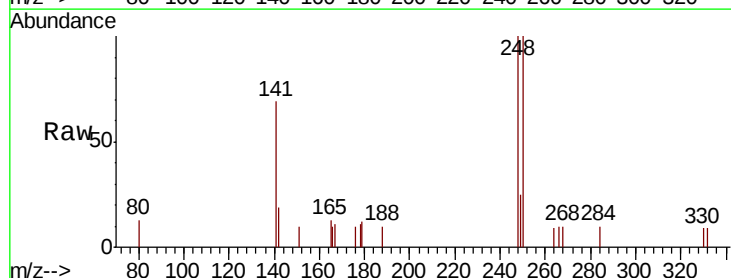
Tgt Ion:248 Resp: 1114

Ion Ratio Lower Upper

248 100

250 100.4 82.2 123.4

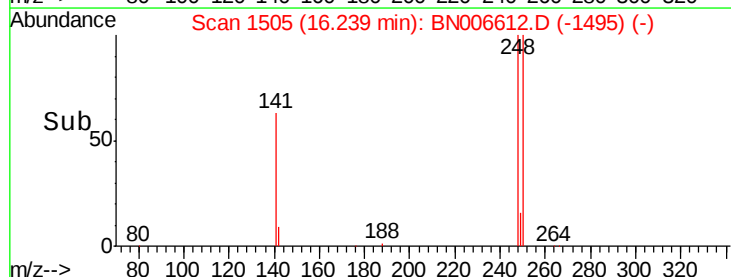
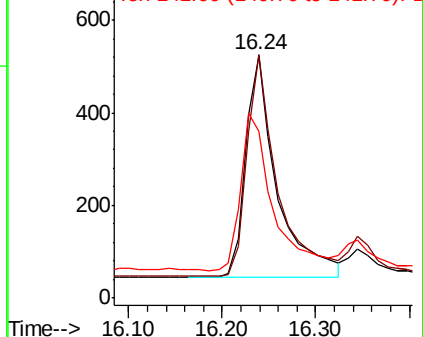
141 68.9 43.8 65.8#

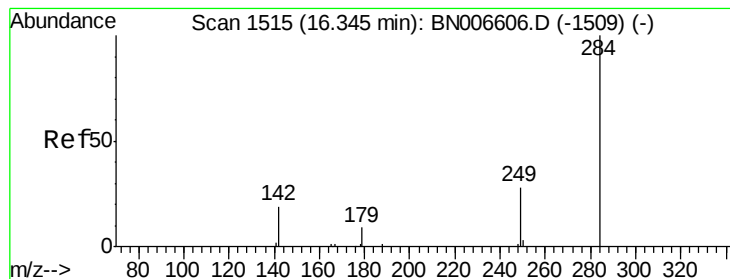


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.123 ng

RT: 16.34 min Scan# 1515

Delta R.T. -0.00 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

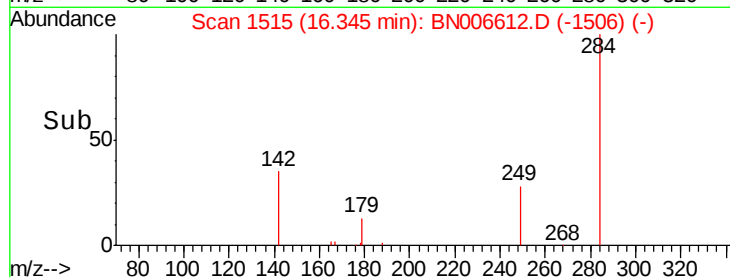
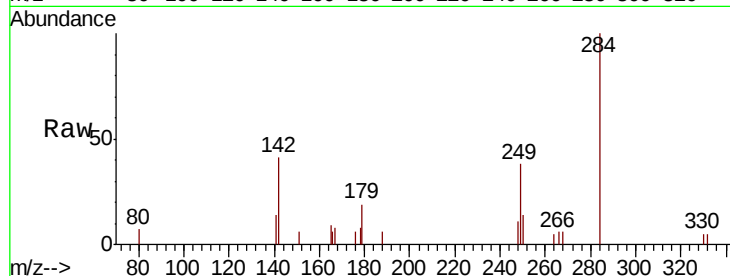
Tgt Ion:284 Resp: 1603

Ion Ratio Lower Upper

284 100

142 33.9 27.5 41.3

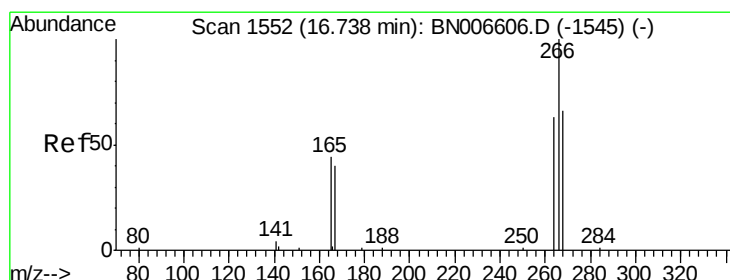
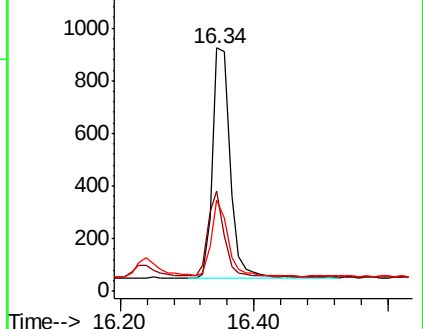
249 31.0 24.7 37.1



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



#22

Pentachlorophenol

Concen: 0.291 ng

RT: 16.76 min Scan# 1554

Delta R.T. 0.02 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

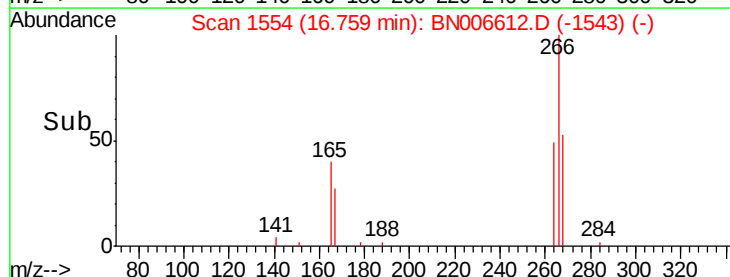
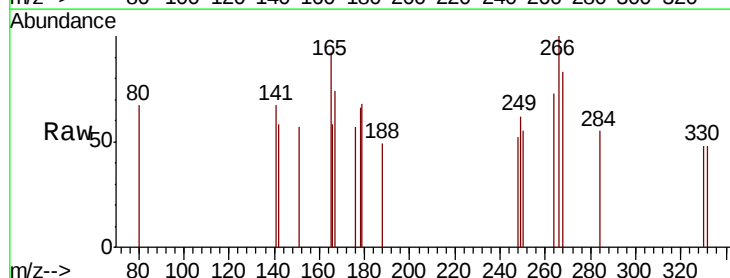
Tgt Ion:266 Resp: 295

Ion Ratio Lower Upper

266 100

264 72.6 56.2 84.4

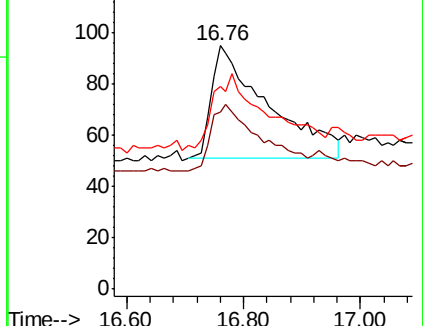
268 83.2 63.0 94.4

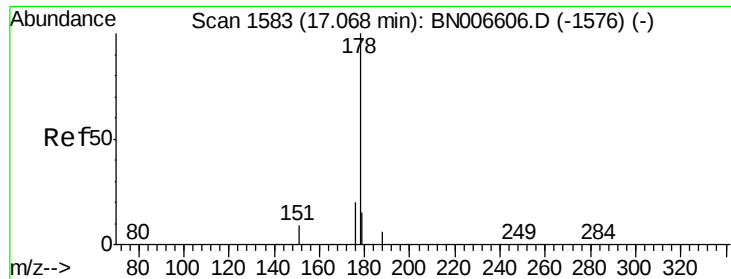


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.118 ng

RT: 17.08 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

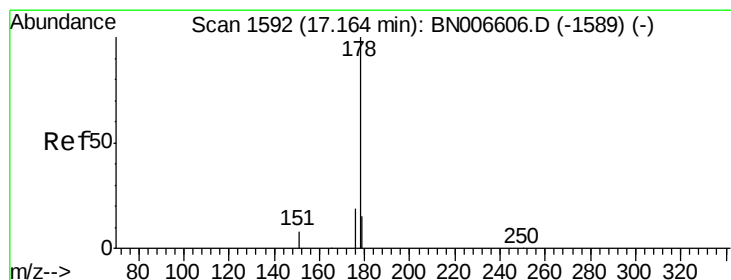
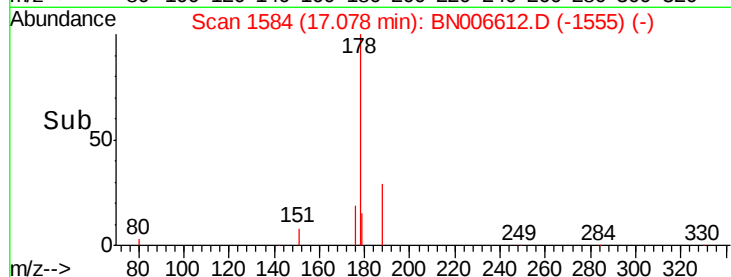
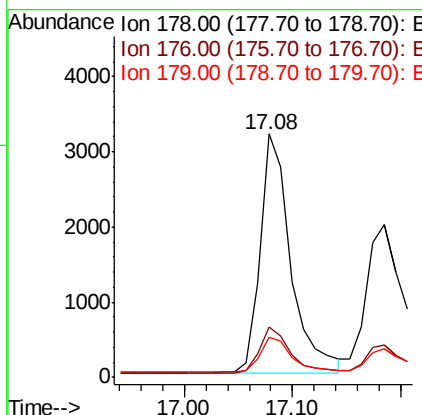
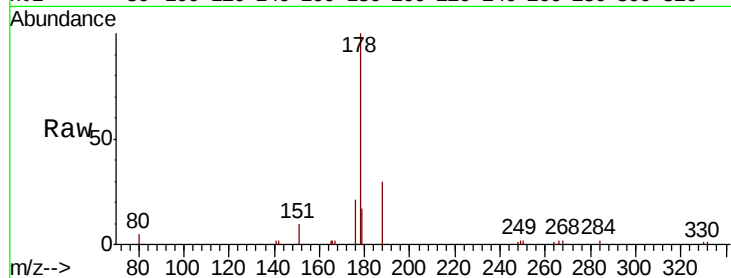
Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:178	Resp:	6220
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.3 22.9
179	16.1	12.2 18.4



#24

Anthracene

Concen: 0.106 ng

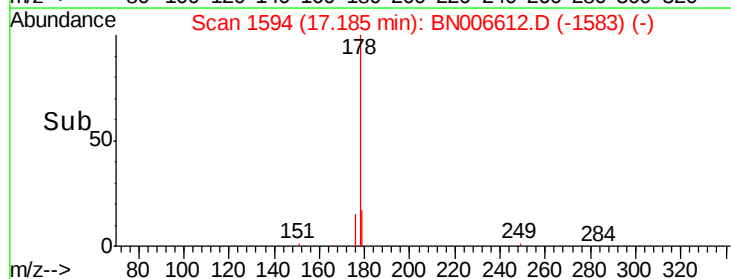
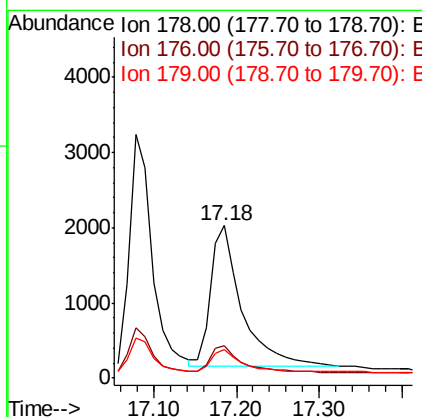
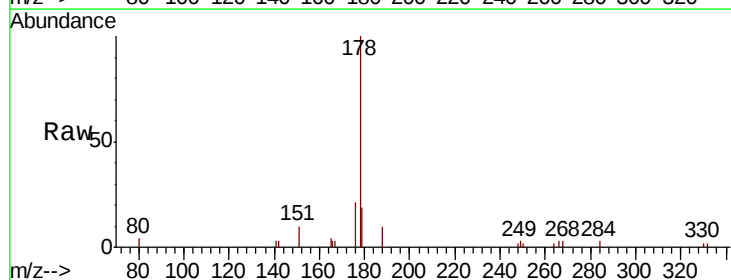
RT: 17.18 min Scan# 1594

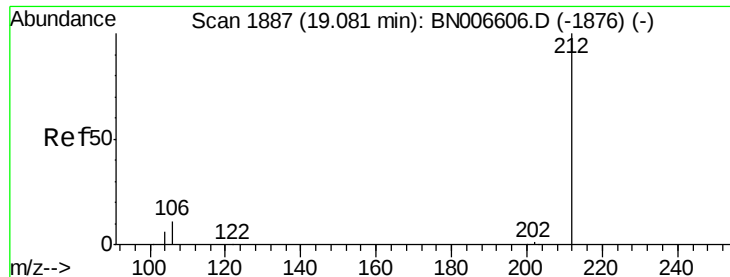
Delta R.T. 0.02 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Tgt Ion:178	Resp:	4861
Ion Ratio	Lower	Upper
178	100	
176	17.8	15.0 22.4
179	15.4	12.2 18.2





#25

Fluoranthene-d10

Concen: 0.384 ng

RT: 19.09 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

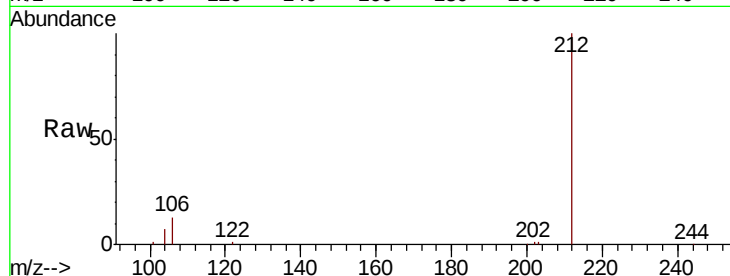
Tgt Ion:212 Resp: 20928

Ion Ratio Lower Upper

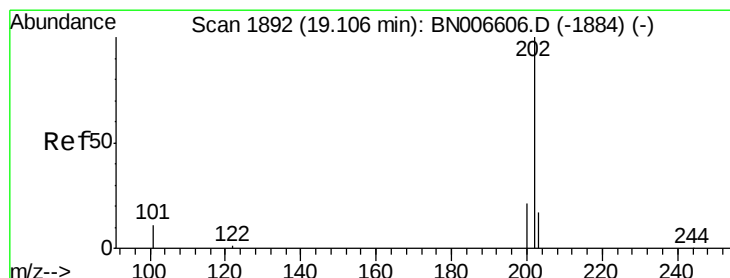
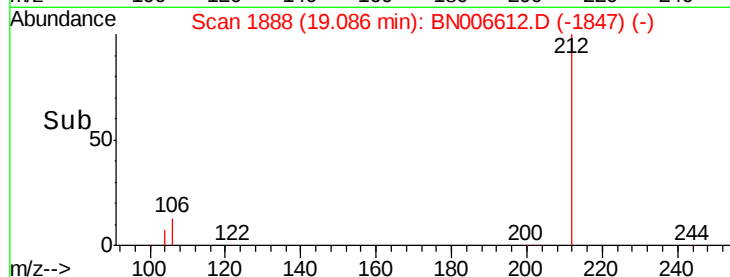
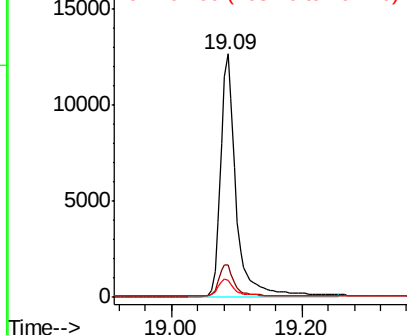
212 100

106 13.5 10.6 15.8

104 7.3 5.8 8.6



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.127 ng

RT: 19.12 min Scan# 1894

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

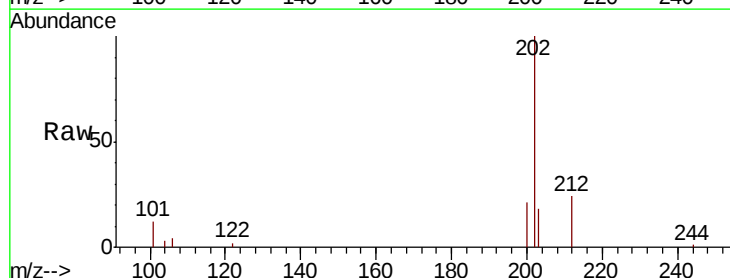
Tgt Ion:202 Resp: 8119

Ion Ratio Lower Upper

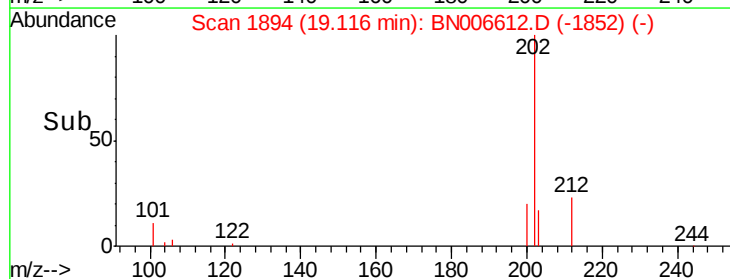
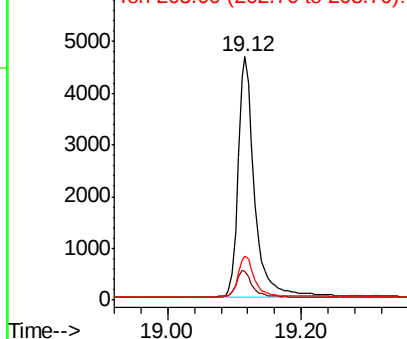
202 100

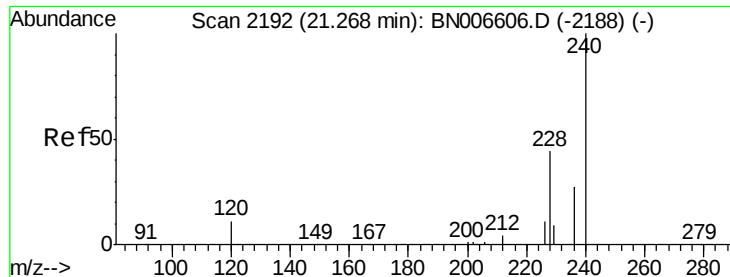
101 11.5 8.9 13.3

203 17.6 13.6 20.4



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

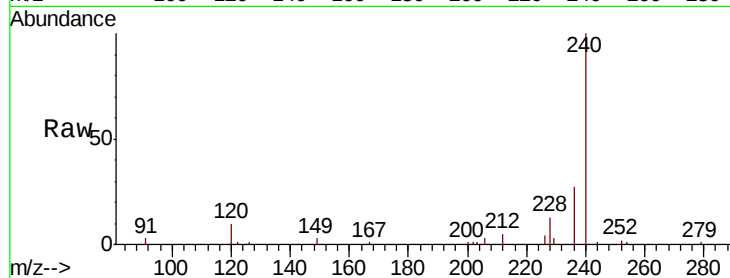




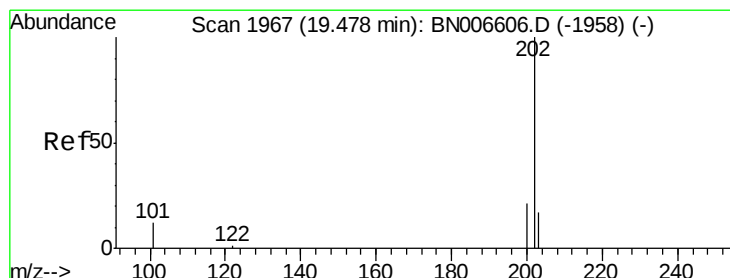
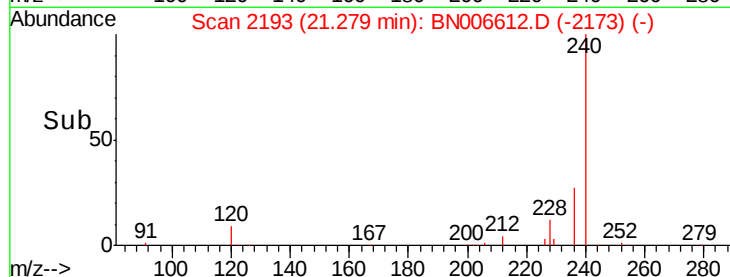
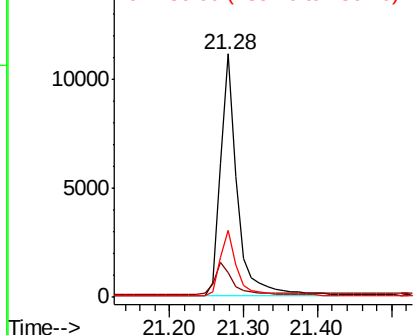
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2019

Tgt Ion:240 Resp: 18080
Ion Ratio Lower Upper
240 100
120 10.1 9.9 14.9
236 27.5 22.2 33.4

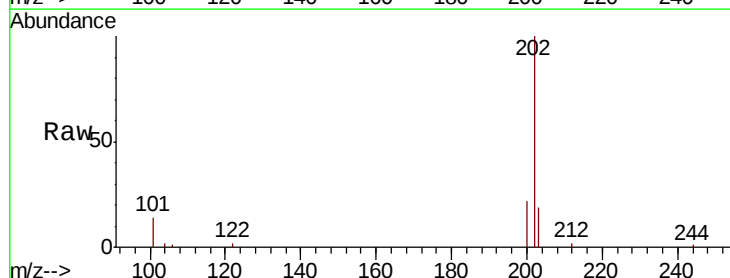


Abundance Ion 240.00 (239.70 to 240.70): E
15000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

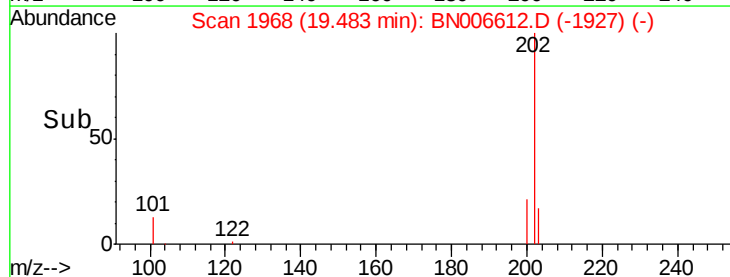
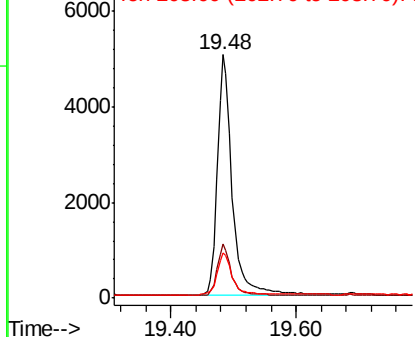


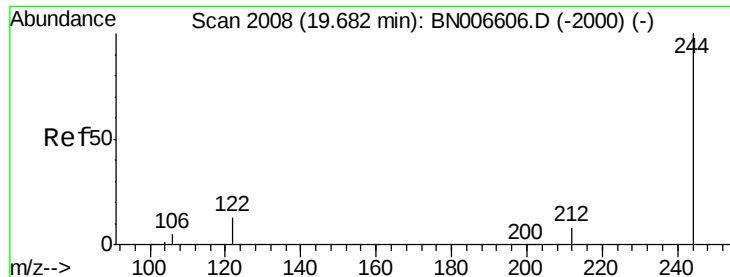
#28
Pyrene
Concen: 0.131 ng
RT: 19.48 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BN006612.D
Acq: 28 Jun 2019 14:39

Tgt Ion:202 Resp: 8299
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 18.1 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E
6000 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.425 ng

RT: 19.69 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

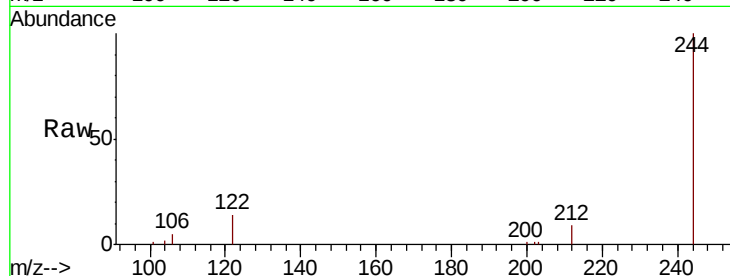
Tgt Ion:244 Resp: 16084

Ion Ratio Lower Upper

244 100

212 8.7 6.7 10.1

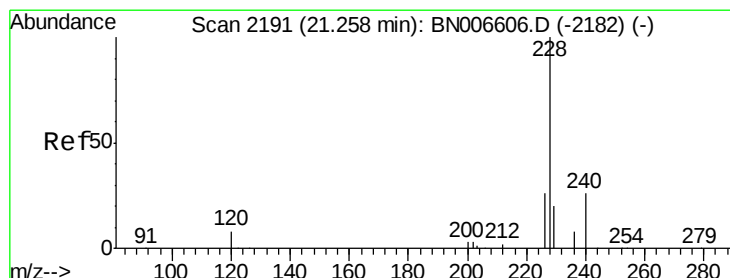
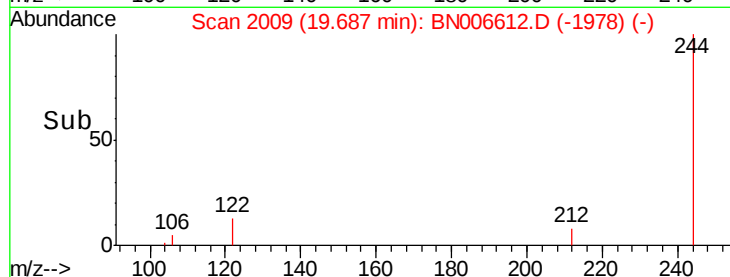
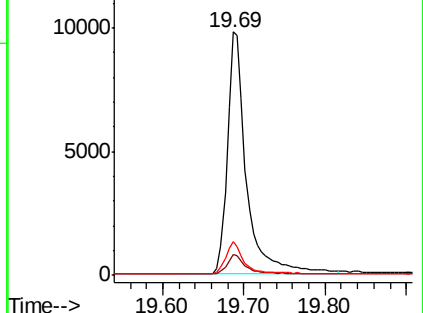
122 13.9 11.0 16.6



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: 0.118 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

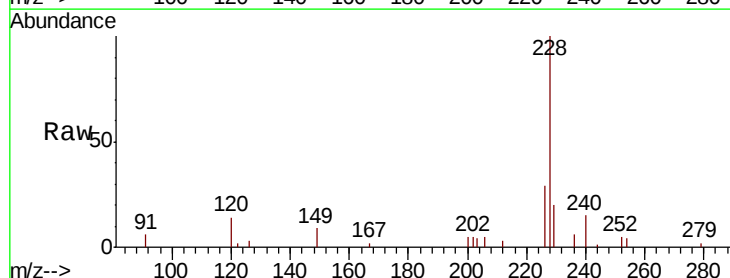
Tgt Ion:228 Resp: 6957

Ion Ratio Lower Upper

228 100

226 29.3 21.2 31.8

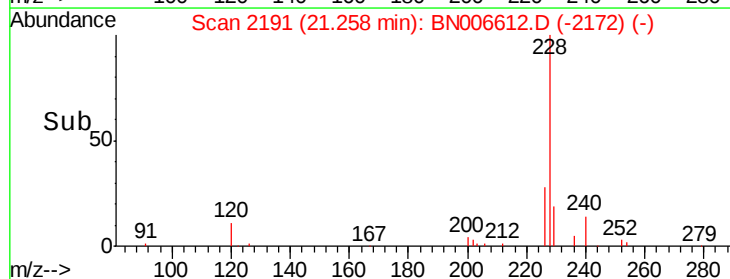
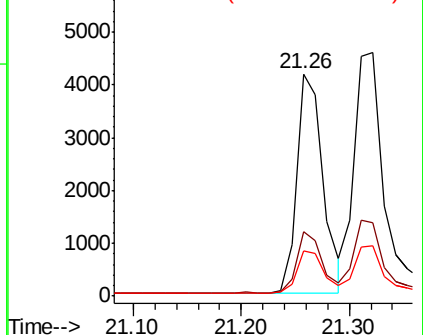
229 20.5 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.131 ng

RT: 21.32 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

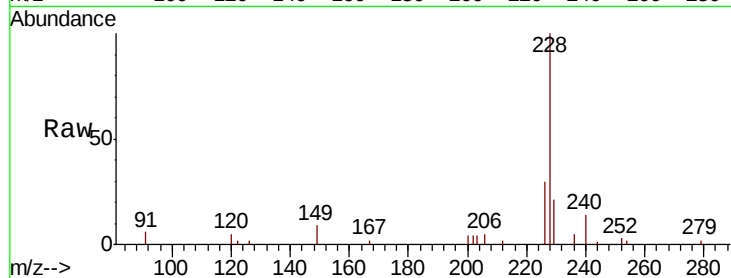
Tgt Ion:228 Resp: 8374

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

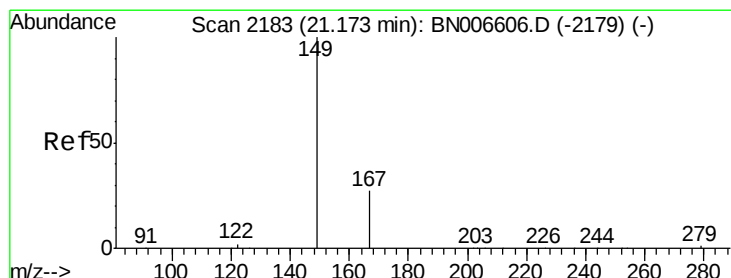
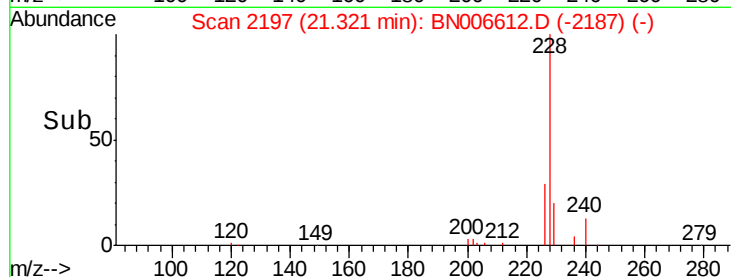
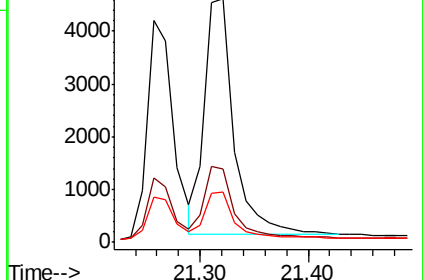
229 20.7 15.9 23.9



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.096 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

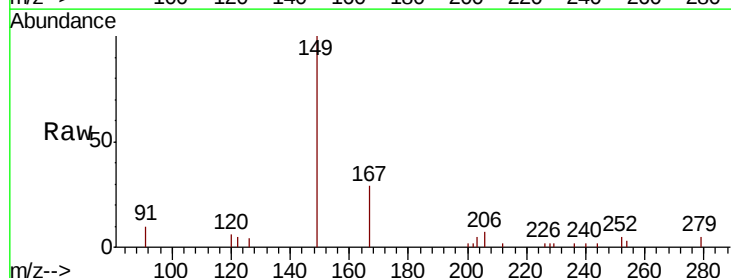
Tgt Ion:149 Resp: 2869

Ion Ratio Lower Upper

149 100

167 29.9 22.9 34.3

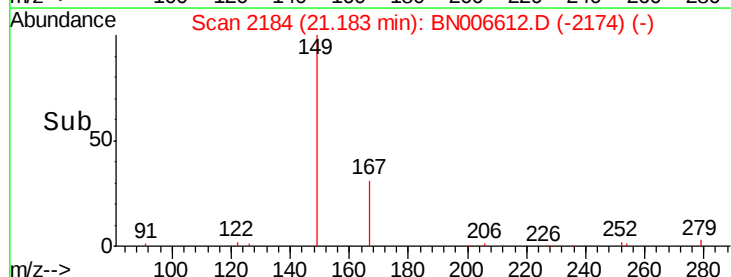
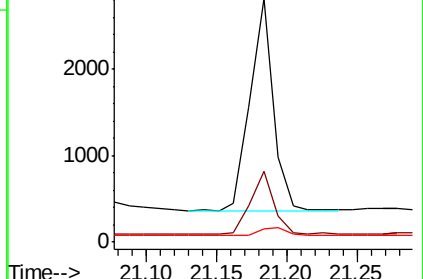
279 4.6 3.3 4.9

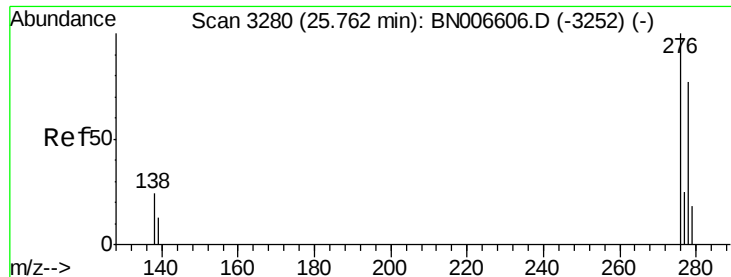


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.129 ng

RT: 25.78 min Scan# 3285

Delta R.T. 0.02 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

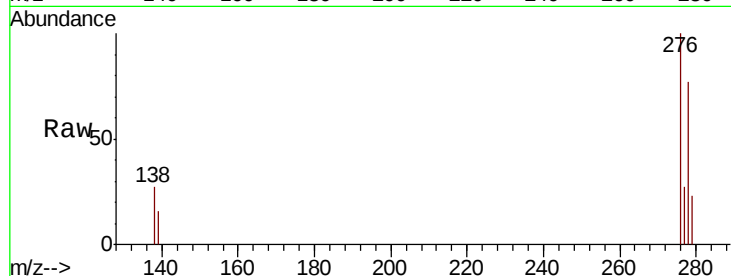
Tgt Ion: 276 Resp: 8319

Ion Ratio Lower Upper

276 100

138 23.4 19.3 28.9

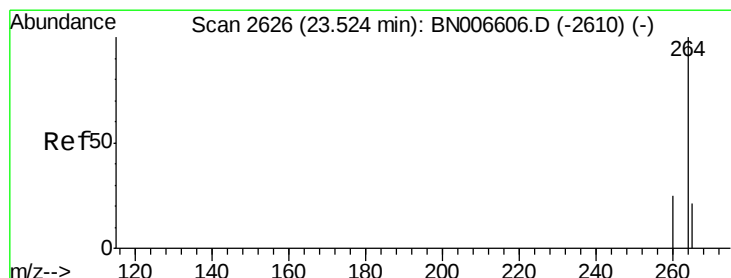
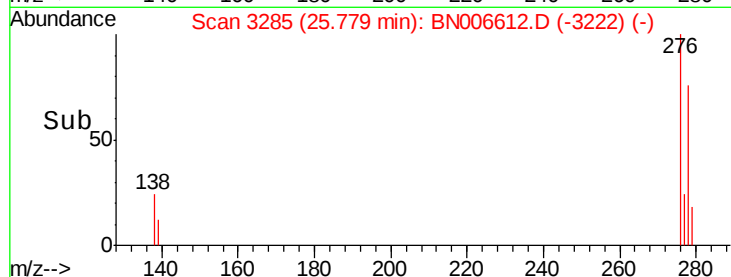
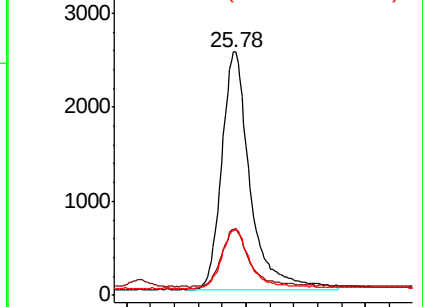
277 24.9 19.9 29.9



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: 23.53 min Scan# 2628

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

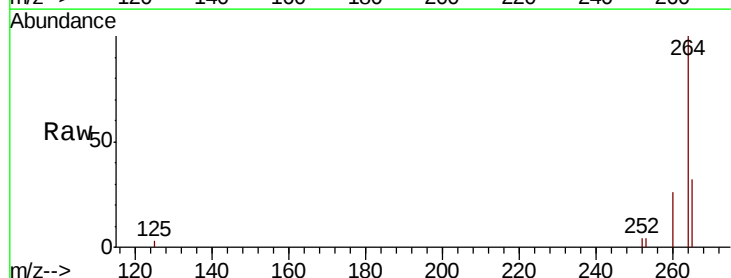
Tgt Ion: 264 Resp: 19713

Ion Ratio Lower Upper

264 100

260 25.6 20.2 30.2

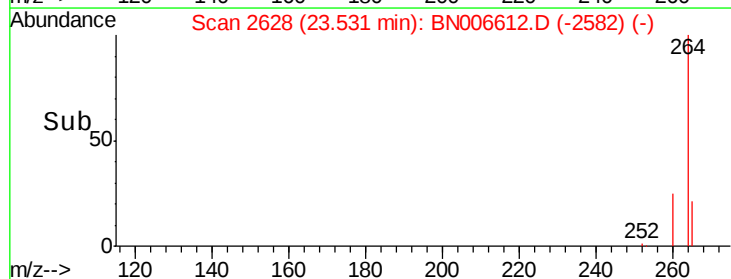
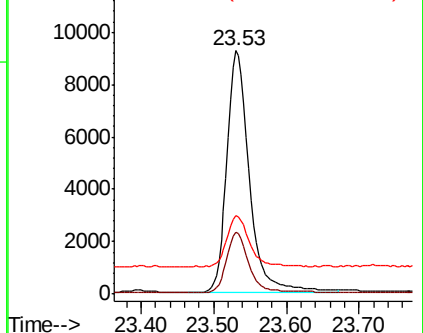
265 32.1 23.3 34.9



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





#35

Benzo(b)fluoranthene

Concen: 0.127 ng

RT: 22.86 min Scan# 2433

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

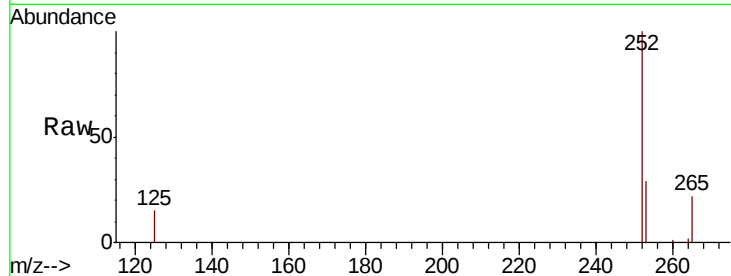
Tgt Ion:252 Resp: 8491

Ion Ratio Lower Upper

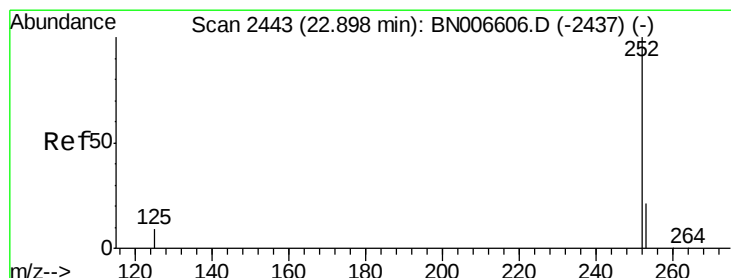
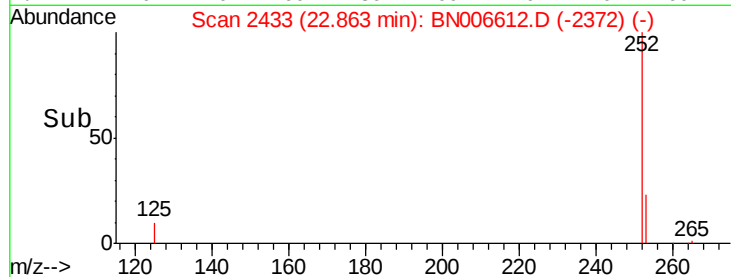
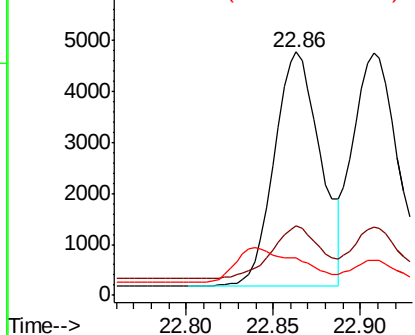
252 100

253 28.6 18.4 27.6#

125 15.2 8.7 13.1#



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



#36

Benzo(k)fluoranthene

Concen: 0.125 ng

RT: 22.91 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

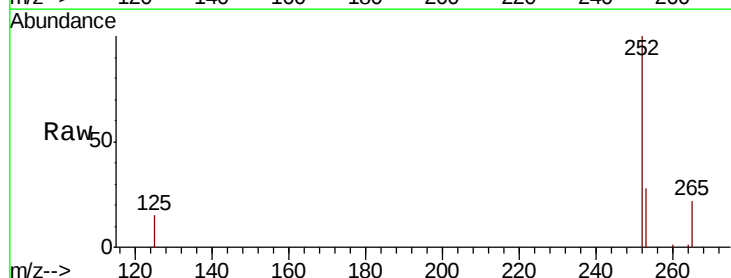
Tgt Ion:252 Resp: 8962

Ion Ratio Lower Upper

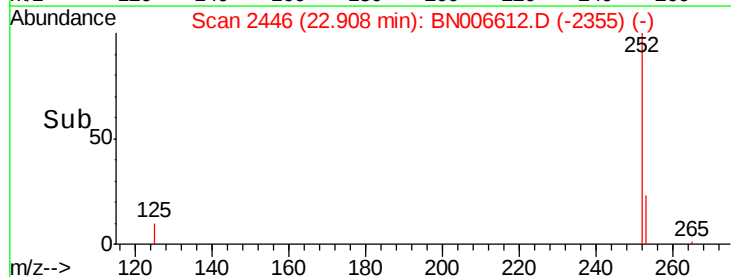
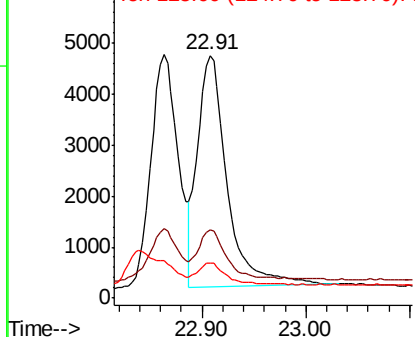
252 100

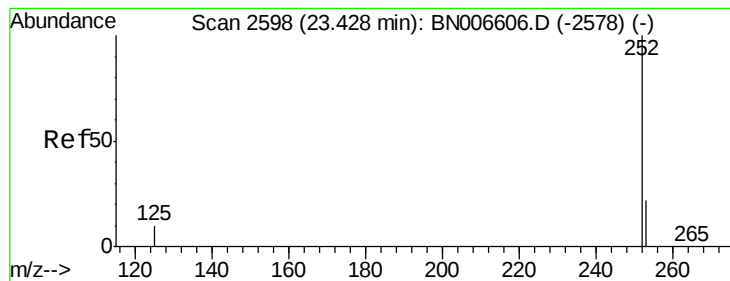
253 28.3 18.3 27.5#

125 14.7 8.4 12.6#



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: 0.127 ng

RT: 23.44 min Scan# 2601

Delta R.T. 0.01 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

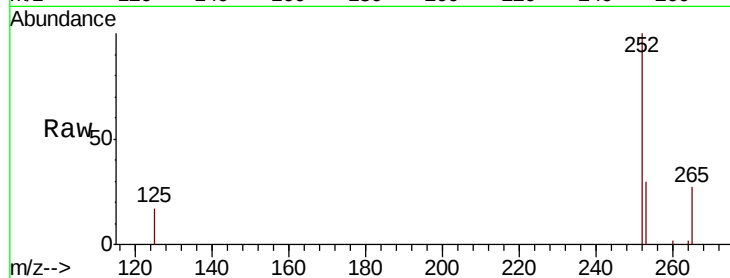
Tgt Ion:252 Resp: 7975

Ion Ratio Lower Upper

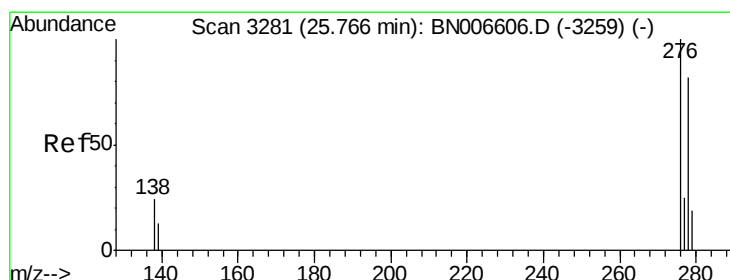
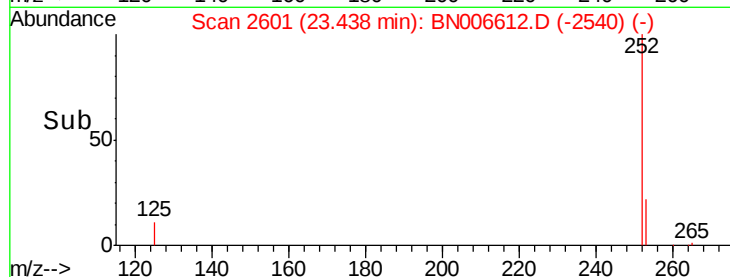
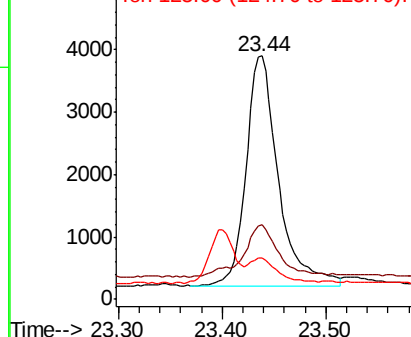
252 100

253 30.4 18.8 28.2#

125 16.8 9.4 14.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.124 ng

RT: 25.79 min Scan# 3287

Delta R.T. 0.02 min

Lab File: BN006612.D

Acq: 28 Jun 2019 14:39

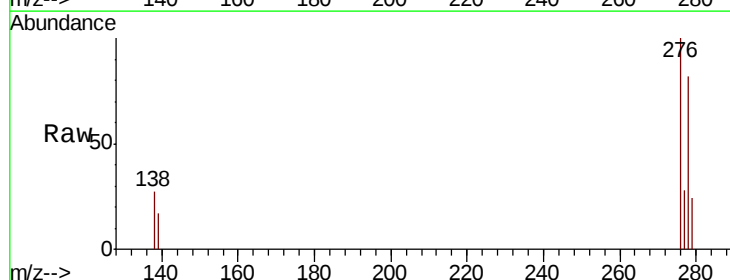
Tgt Ion:278 Resp: 6771

Ion Ratio Lower Upper

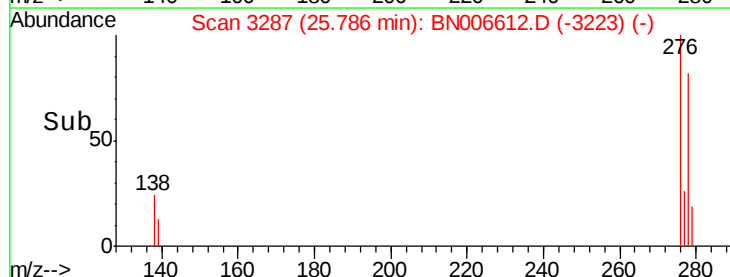
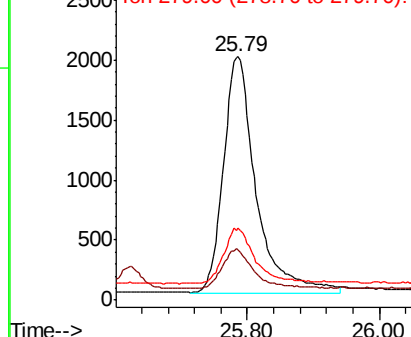
278 100

139 20.7 13.5 20.3#

279 29.7 19.4 29.2#



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: 0.131 ng

RT: 26.47 min Scan# 3486

Delta R.T. 0.02 min

Lab File: BN006612.D

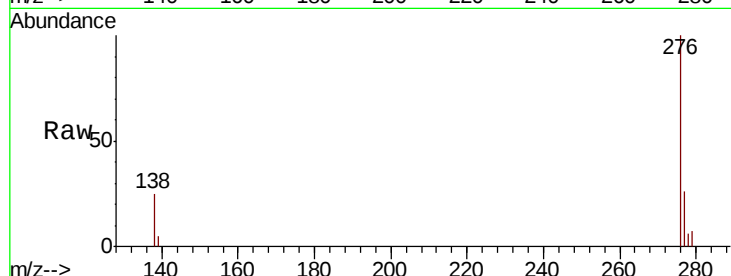
Acq: 28 Jun 2019 14:39

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019



Tgt Ion: 276 Resp: 7154

Ion Ratio Lower Upper

276 100

277 26.4 19.6 29.4

138 24.6 17.7 26.5

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

