

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102618\
 Data File : BN003310.D
 Acq On : 26 Oct 2018 18:17
 Operator : MJ/SJ
 Sample : J5164-01
 Misc : 0.1 PPM LOD
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 27 00:42:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 26 15:17:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	12264	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	51363	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	30370	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	76951	0.40	ng	0.00
27) Chrysene-d12	21.42	240	80037	0.40	ng	0.00
34) Perylene-d12	23.74	264	71557	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	9449	0.31	ng	0.00
5) Phenol-d6	7.01	99	11774	0.31	ng	0.00
8) Nitrobenzene-d5	9.02	82	7751	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	25807	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	3215	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	42291	0.32	ng	-0.01
25) Fluoranthene-d10	19.26	212	64250	0.29	ng	0.00
29) Terphenyl-d14	19.86	244	57786	0.31	ng	0.00

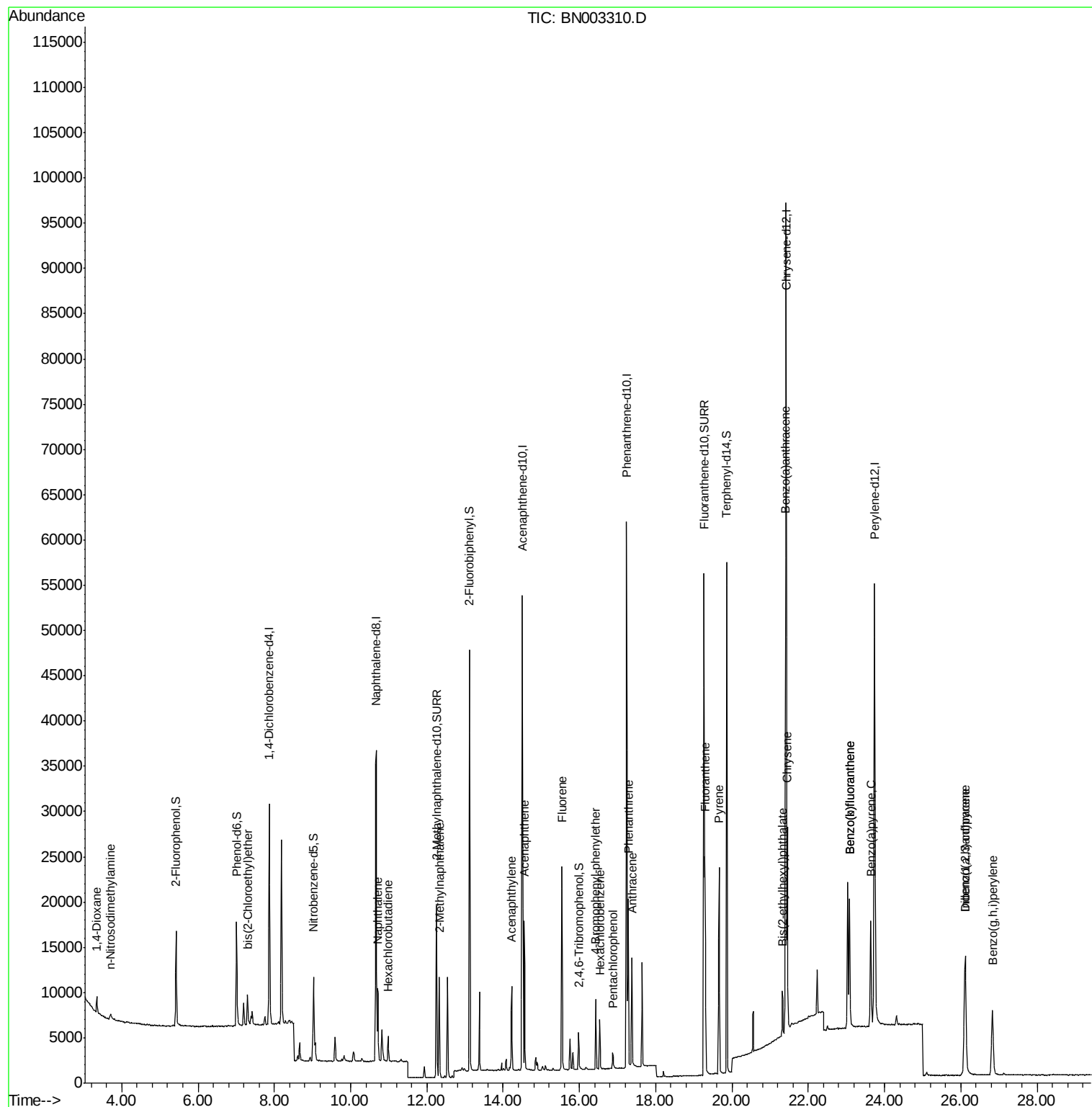
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	1574	0.099	ng	92
3) n-Nitrosodimethylamine	3.70	42	481	0.066	ng	# 89
6) bis(2-Chloroethyl)ether	7.30	93	2936	0.086	ng	93
9) Naphthalene	10.71	128	11598	0.092	ng	98
10) Hexachlorobutadiene	10.99	225	2130	0.093	ng	# 98
12) 2-Methylnaphthalene	12.32	142	7869	0.090	ng	99
16) Acenaphthylene	14.22	152	10640	0.079	ng	100
17) Acenaphthene	14.56	154	8186	0.087	ng	98
18) Fluorene	15.55	166	10247	0.087	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	3816	0.086	ng	# 78
21) Hexachlorobenzene	16.54	284	4213	0.090	ng	99
22) Pentachlorophenol	16.88	266	959	0.075	ng	96
23) Phenanthrene	17.28	178	18524	0.088	ng	100
24) Anthracene	17.38	178	14240	0.079	ng	99
26) Fluoranthene	19.29	202	20796	0.086	ng	100
28) Pyrene	19.66	202	20481	0.093	ng	100
30) Benzo(a)anthracene	21.41	228	16735	0.080	ng	99
31) Chrysene	21.45	228	20950	0.093	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	5117	0.082	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.10	276	18667	0.080	ng	97
35) Benzo(b)fluoranthene	23.08	252	19360	0.088	ng	96
36) Benzo(k)fluoranthene	23.08	252	19355	0.088	ng	# 90
37) Benzo(a)pyrene	23.64	252	17027	0.084	ng	# 91
38) Dibenzo(a,h)anthracene	26.12	278	14900	0.079	ng	93
39) Benzo(g,h,i)perylene	26.83	276	16345	0.086	ng	96

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

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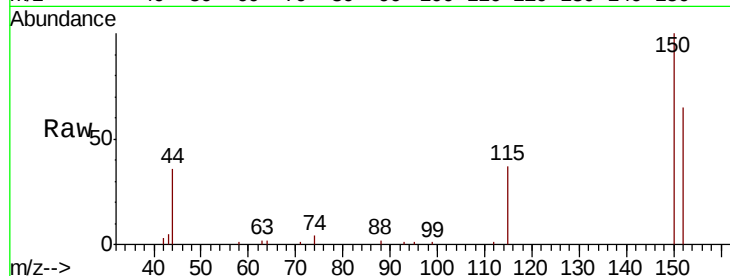


#1

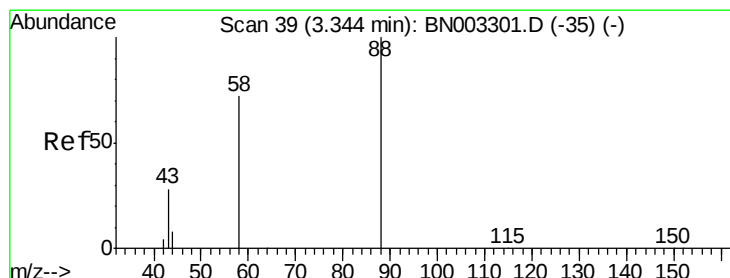
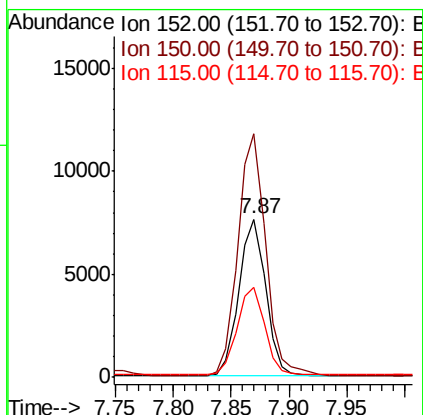
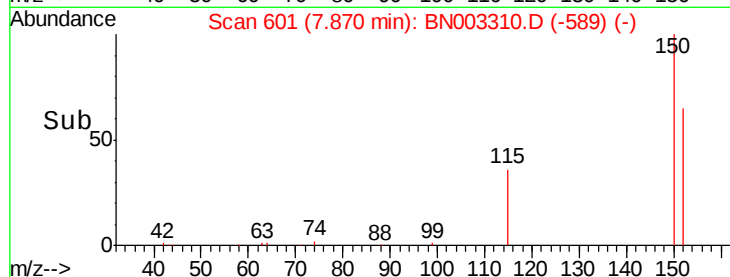
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.87 min Scan# 601
 Delta R.T. 0.00 min
 Lab File: BN003310.D
 Acq: 26 Oct 2018 18:17

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 12264
 Ion Ratio Lower Upper
 152 100
 150 154.0 124.6 187.0
 115 57.0 46.4 69.6



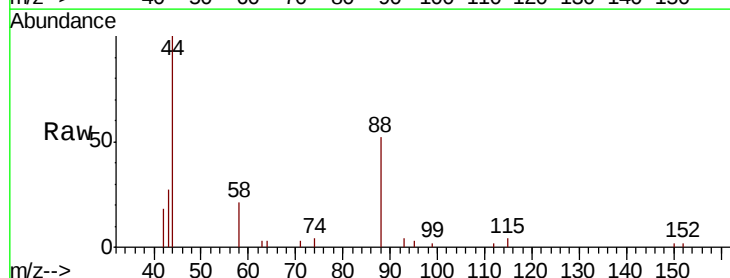
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



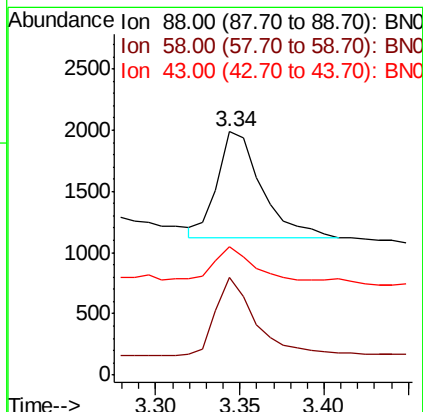
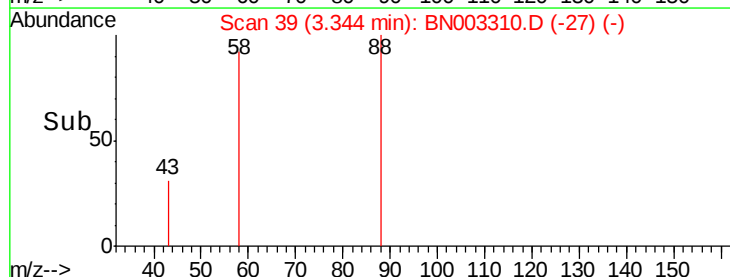
#2

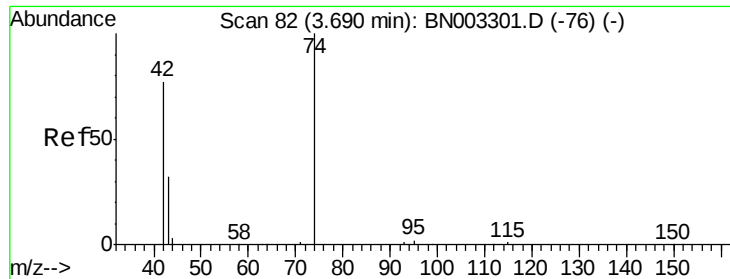
1,4-Dioxane
 Concen: 0.099 ng
 RT: 3.34 min Scan# 39
 Delta R.T. 0.00 min
 Lab File: BN003310.D
 Acq: 26 Oct 2018 18:17

Tgt Ion: 88 Resp: 1574
 Ion Ratio Lower Upper
 88 100
 58 69.3 60.9 91.3
 43 24.7 23.9 35.9



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: 0.066 ng

RT: 3.70 min Scan# 83

Delta R.T. 0.01 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

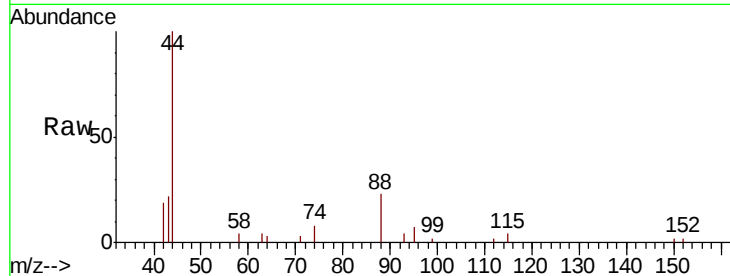
Instrument :

BNA_N

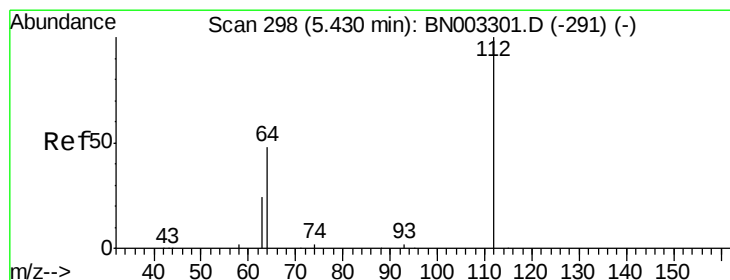
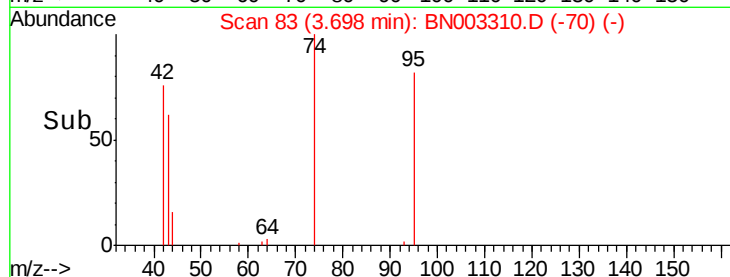
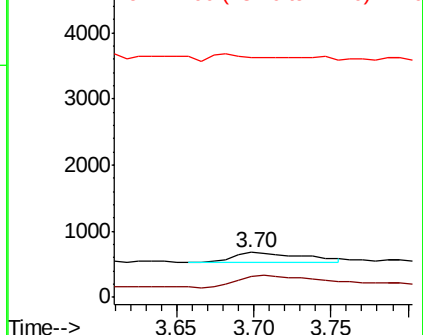
ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:	42	Resp:	481
Ion	Ratio	Lower	Upper
42	100		
74	136.4	99.1	148.7
44	0.0	4.2	6.4#



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: 0.311 ng

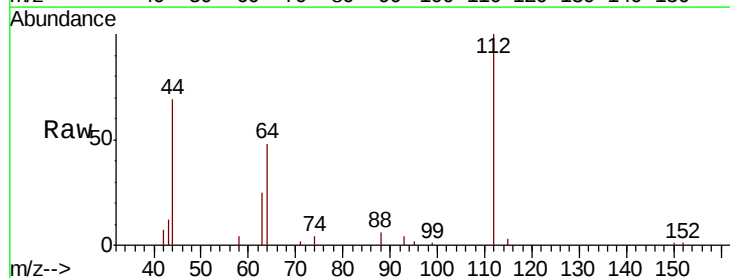
RT: 5.43 min Scan# 298

Delta R.T. 0.00 min

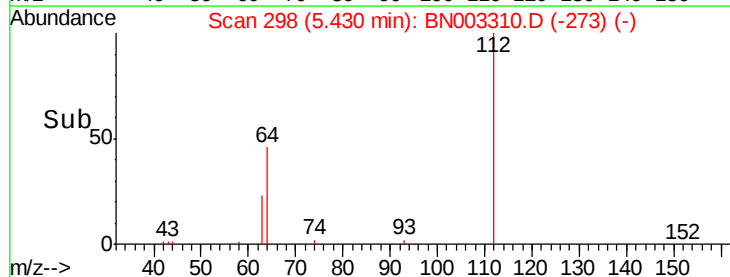
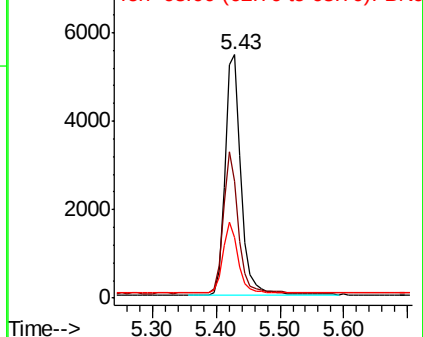
Lab File: BN003310.D

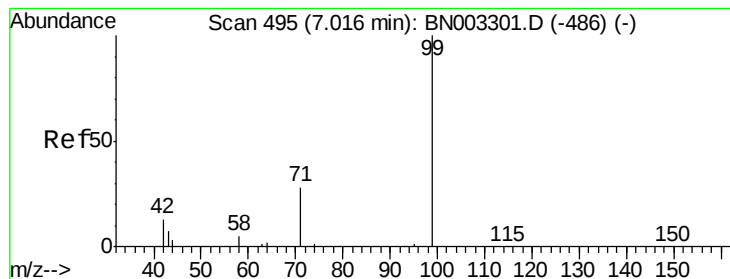
Acq: 26 Oct 2018 18:17

Tgt Ion:	112	Resp:	9449
Ion	Ratio	Lower	Upper
112	100		
64	54.4	44.3	66.5
63	28.0	22.4	33.6



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: 0.307 ng

RT: 7.01 min Scan# 494

Delta R.T. -0.01 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

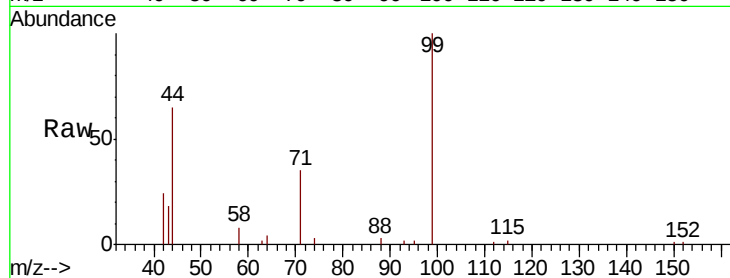
Tgt Ion: 99 Resp: 11774

Ion Ratio Lower Upper

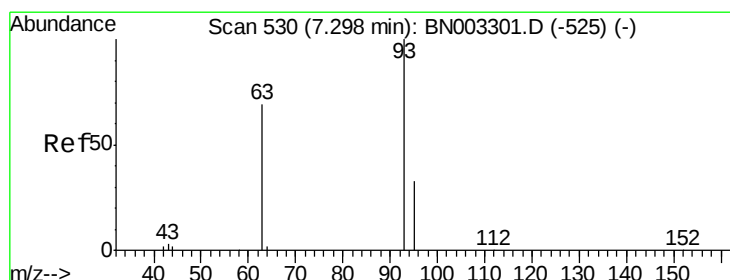
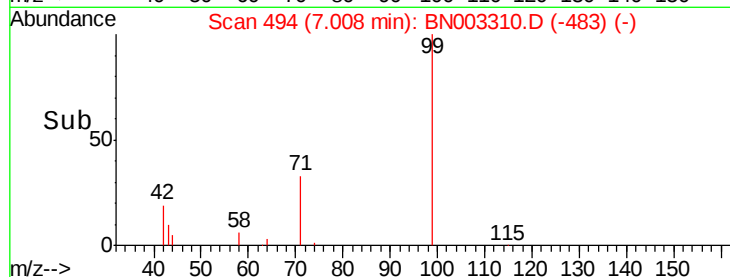
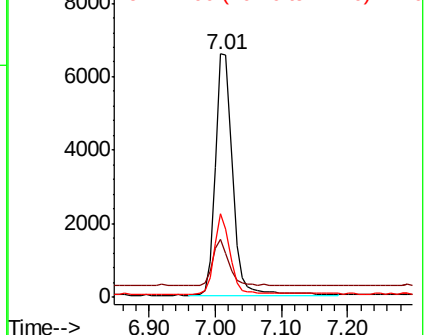
99 100

42 18.2 14.8 22.2

71 30.4 24.8 37.2



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.086 ng

RT: 7.30 min Scan# 530

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

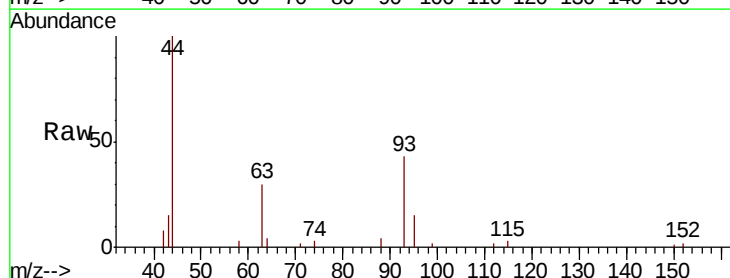
Tgt Ion: 93 Resp: 2936

Ion Ratio Lower Upper

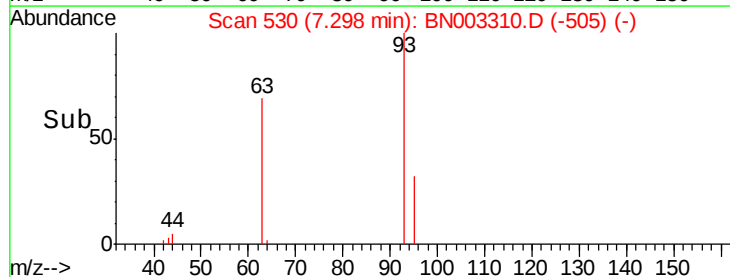
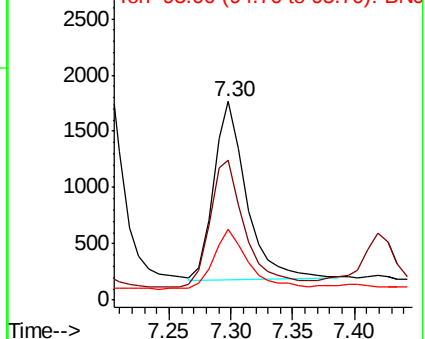
93 100

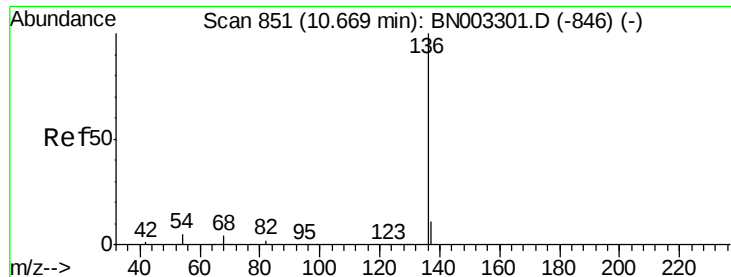
63 76.2 55.8 83.6

95 35.1 25.4 38.2



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 851

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:136 Resp: 51363

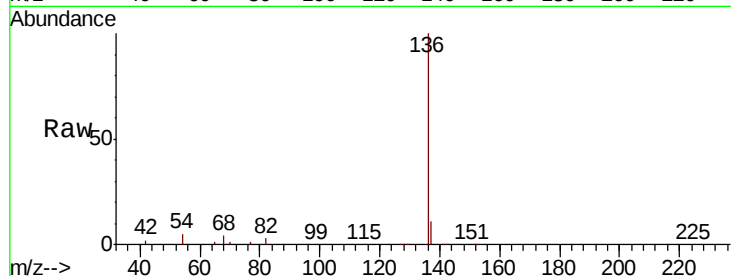
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 4.8 4.1 6.1

68 4.1 3.5 5.3

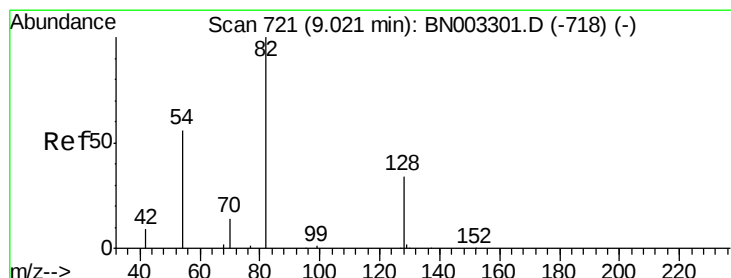
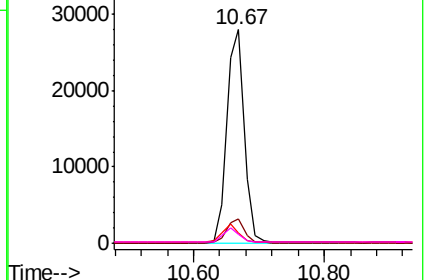
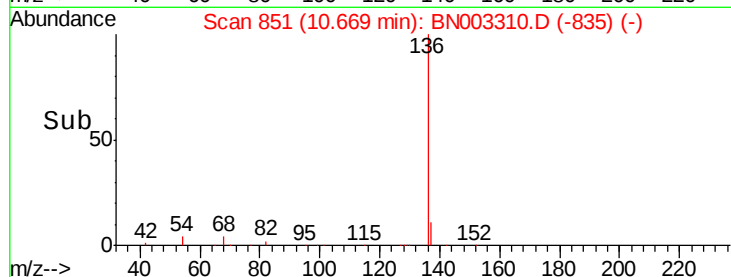


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.345 ng

RT: 9.02 min Scan# 721

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

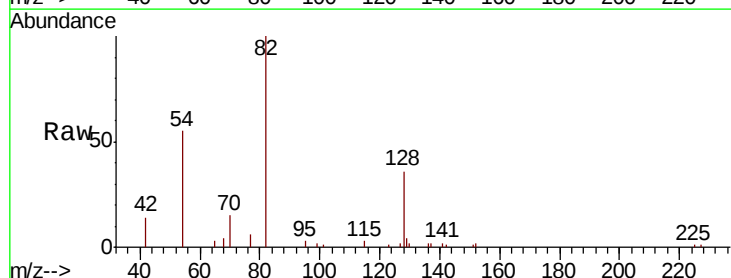
Tgt Ion: 82 Resp: 7751

Ion Ratio Lower Upper

82 100

128 36.2 28.9 43.3

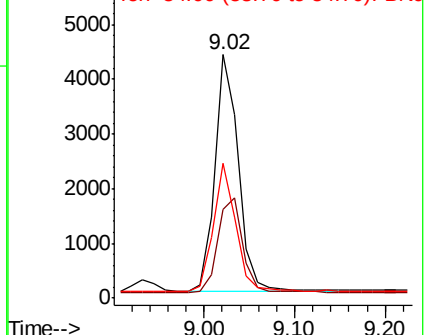
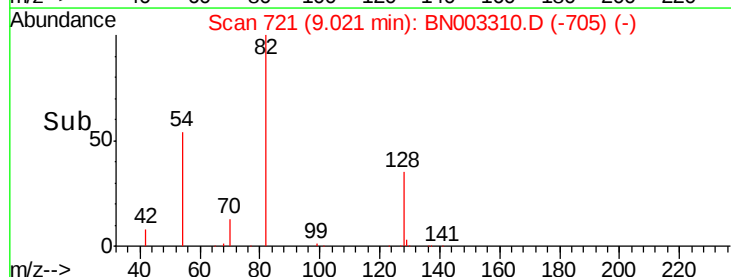
54 55.1 46.1 69.1

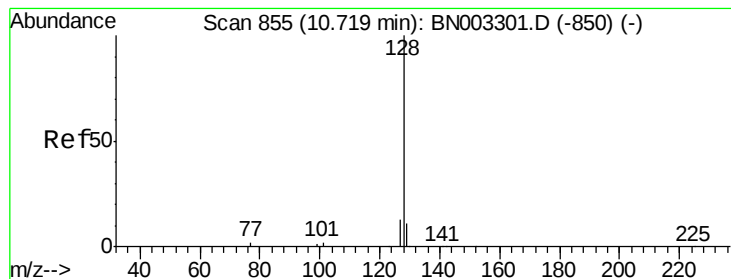


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.092 ng

RT: 10.71 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

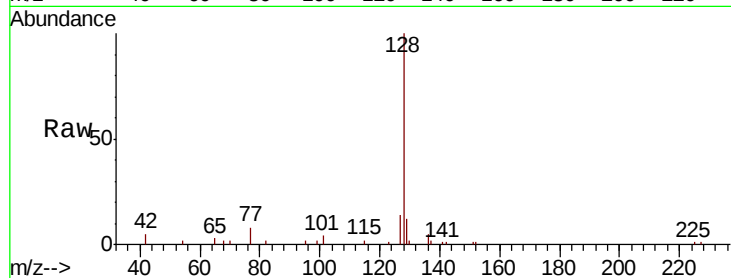
Tgt Ion:128 Resp: 11598

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

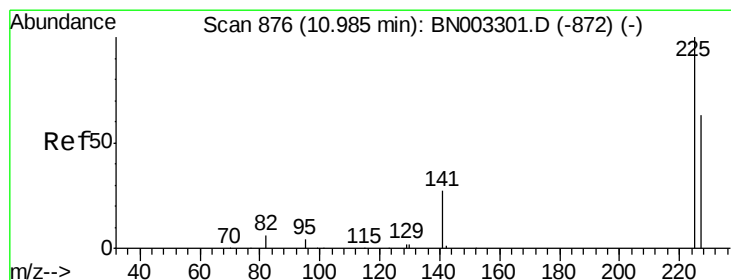
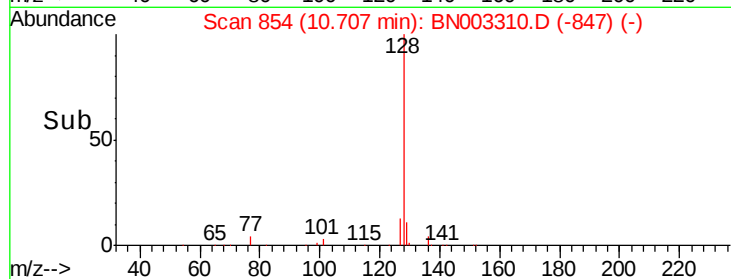
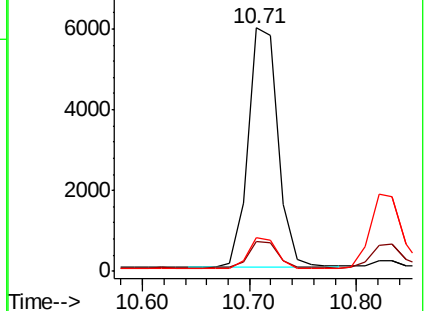
127 13.7 10.2 15.4



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: 0.093 ng

RT: 10.99 min Scan# 876

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

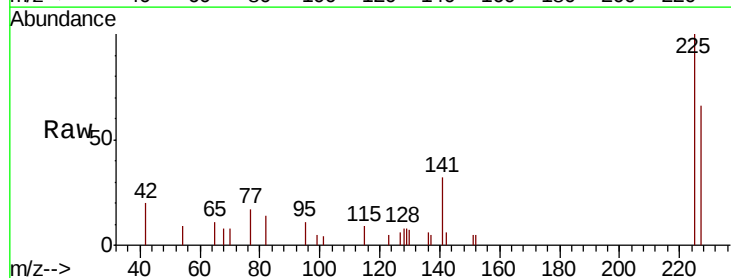
Tgt Ion:225 Resp: 2130

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

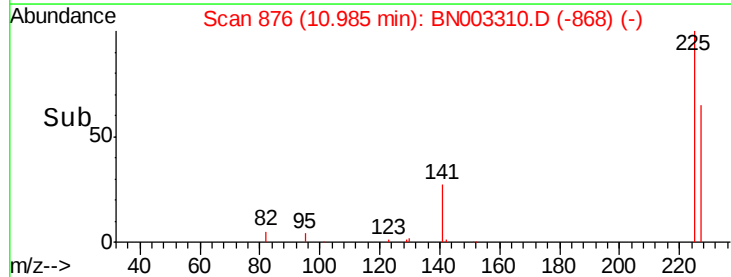
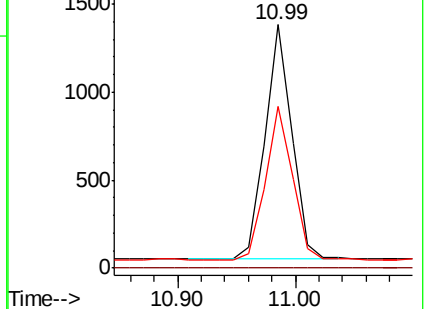
227 65.4 51.3 76.9

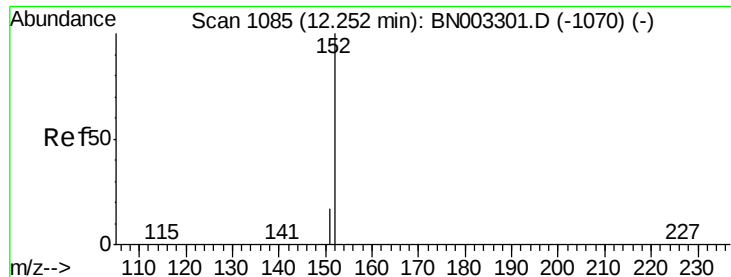


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

RT: 12.25 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

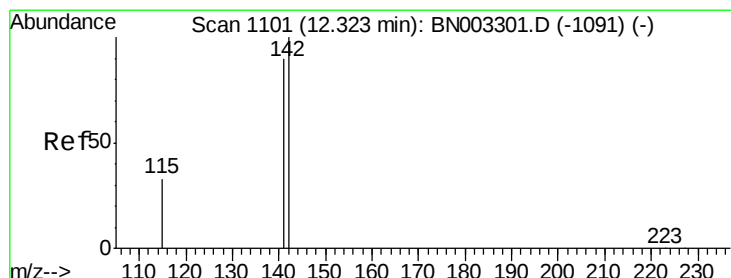
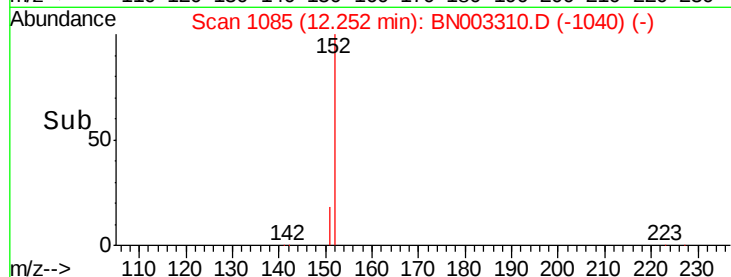
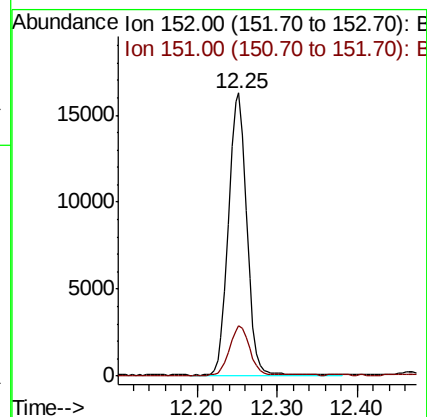
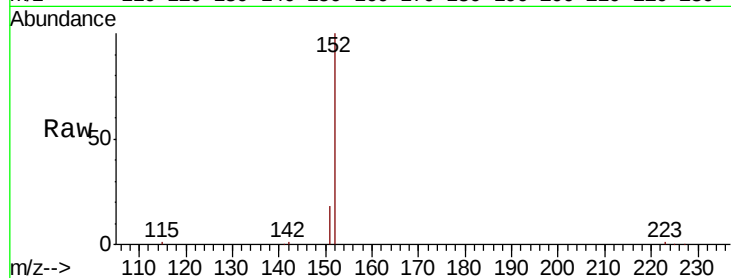
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 25807

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.090 ng

RT: 12.32 min Scan# 1101

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

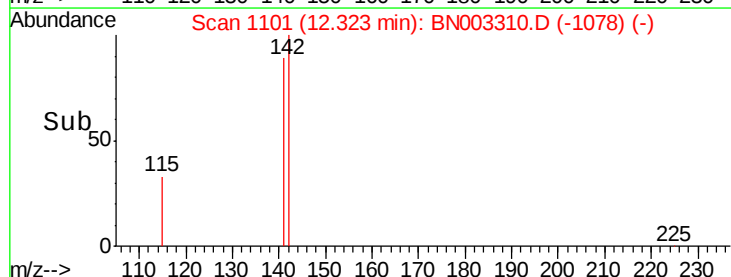
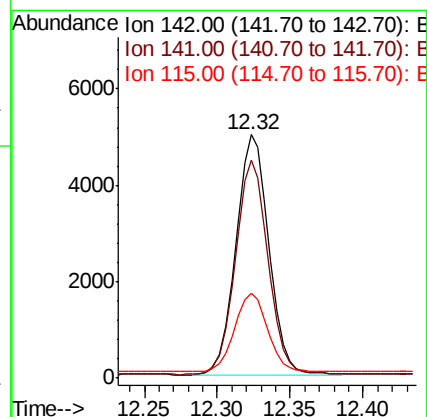
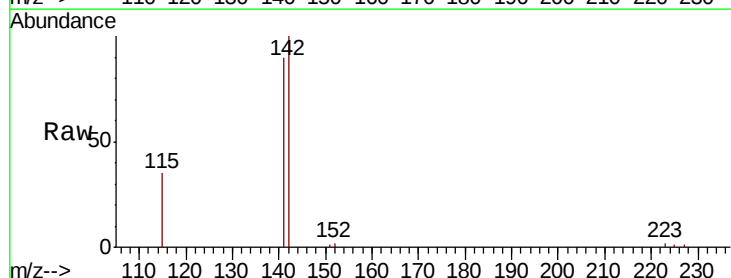
Tgt Ion:142 Resp: 7869

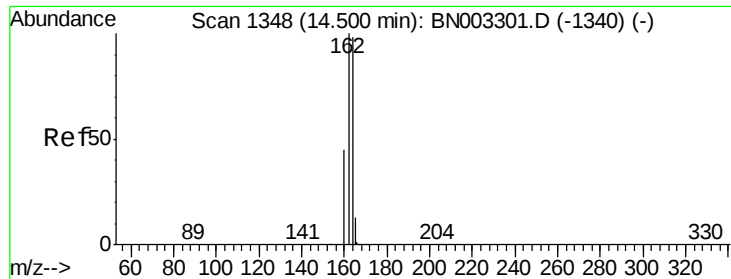
Ion Ratio Lower Upper

142 100

141 89.6 71.9 107.9

115 34.9 27.0 40.6

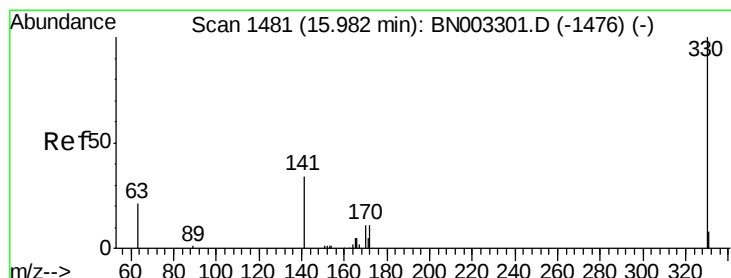
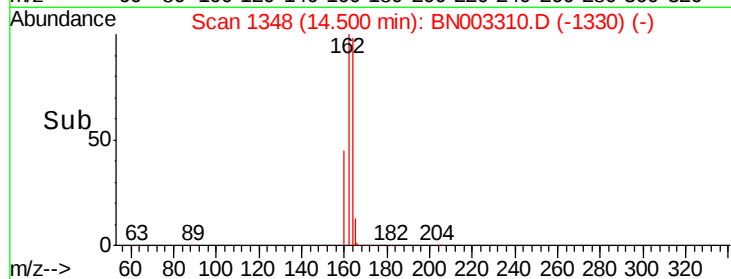
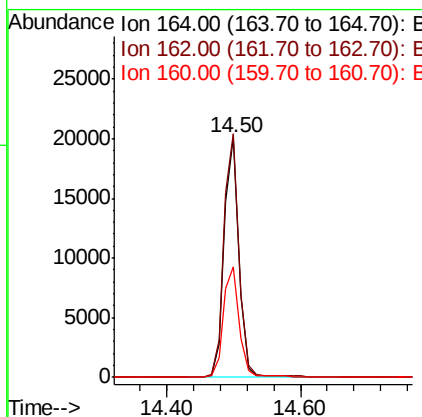
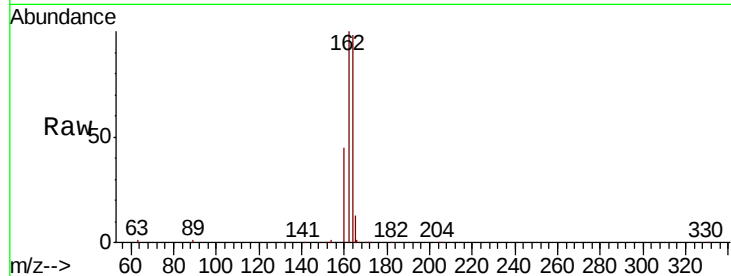




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.50 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: BN003310.D
 Acq: 26 Oct 2018 18:17

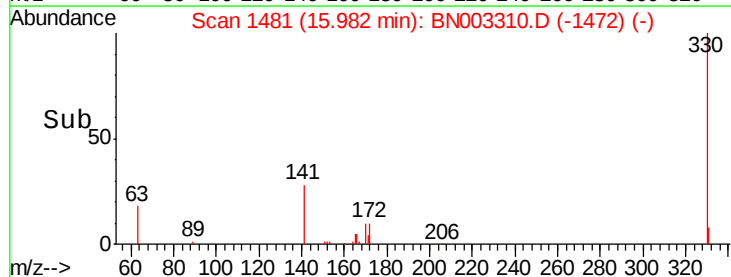
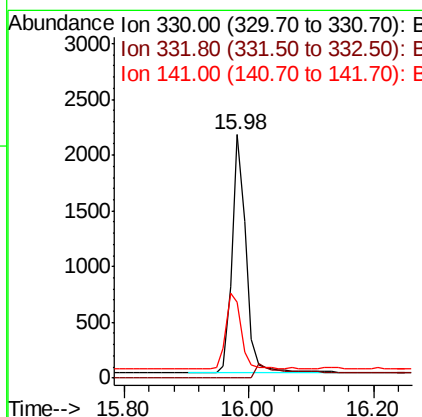
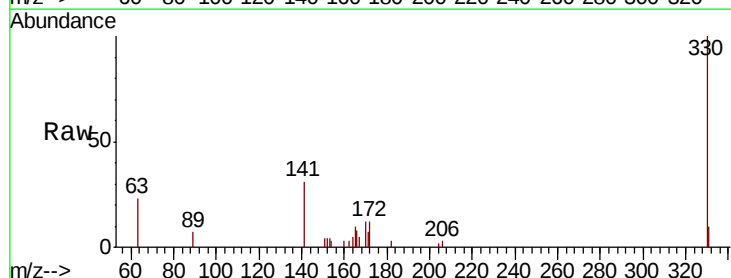
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

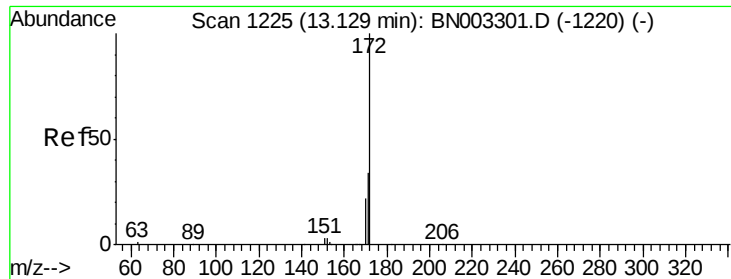
Tgt Ion:164 Resp: 30370
 Ion Ratio Lower Upper
 164 100
 162 101.8 81.8 122.6
 160 46.3 37.2 55.8



#14
 2,4,6-Tribromophenol
 Concen: 0.266 ng
 RT: 15.98 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: BN003310.D
 Acq: 26 Oct 2018 18:17

Tgt Ion:330 Resp: 3215
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 35.5 28.3 42.5

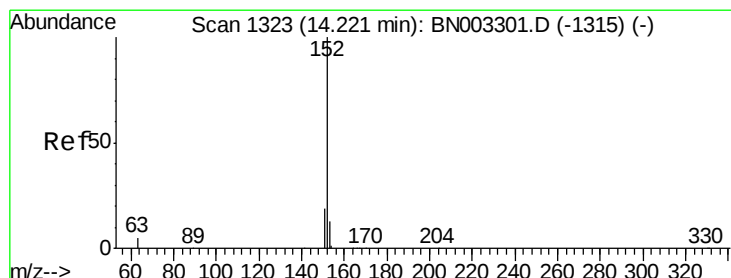
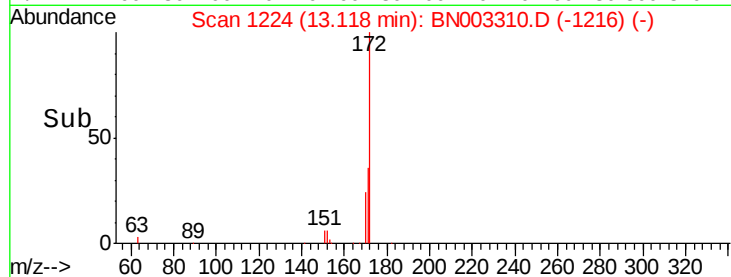
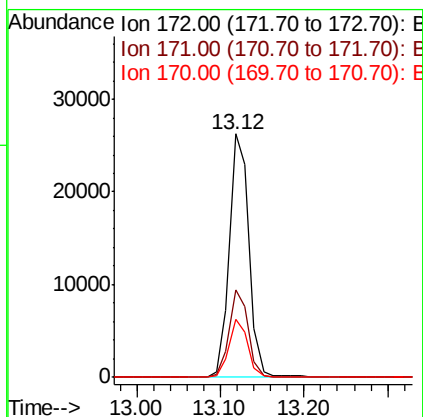
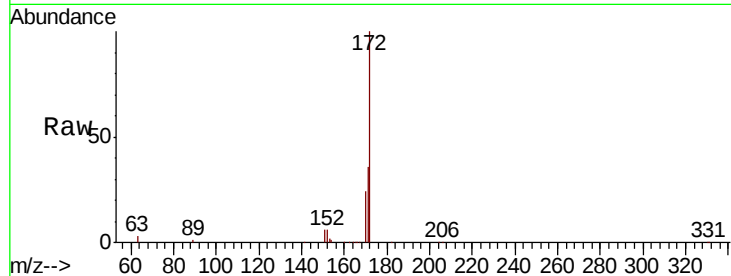




#15
2-Fluorobiphenyl
Concen: 0.324 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003310.D
Acq: 26 Oct 2018 18:17

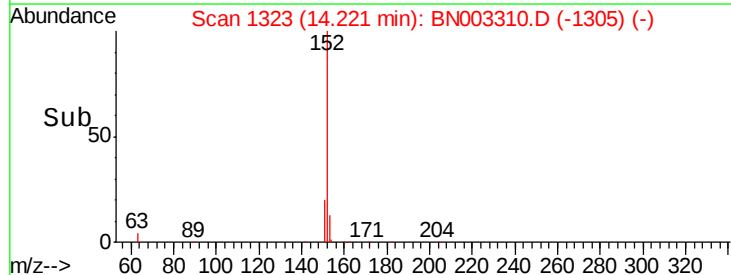
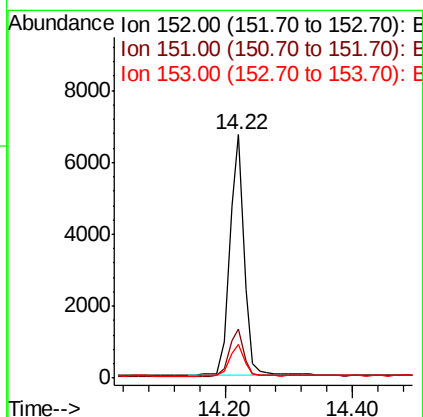
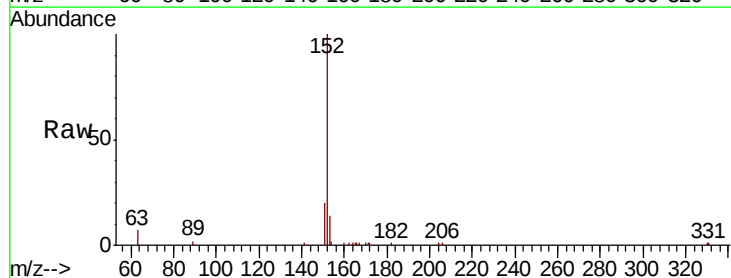
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

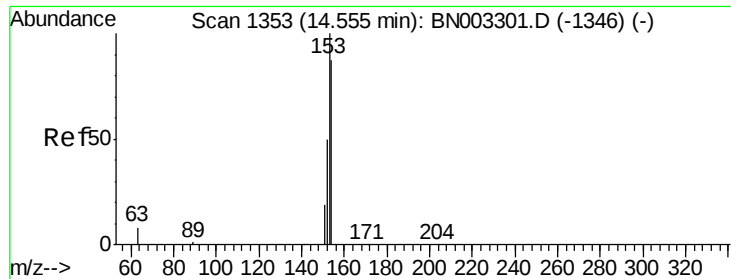
Tgt Ion:172 Resp: 42291
Ion Ratio Lower Upper
172 100
171 36.1 27.1 40.7
170 24.1 17.4 26.0



#16
Acenaphthylene
Concen: 0.079 ng
RT: 14.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN003310.D
Acq: 26 Oct 2018 18:17

Tgt Ion:152 Resp: 10640
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.0 10.6 15.8





#17

Acenaphthene

Concen: 0.087 ng

RT: 14.56 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

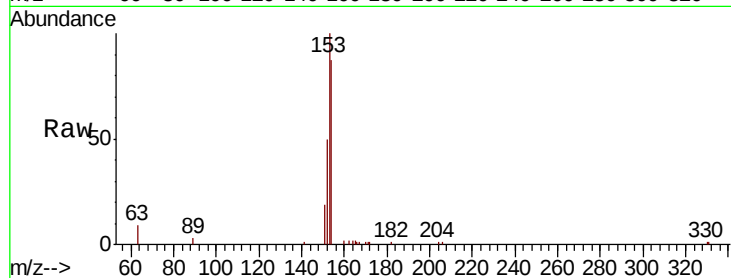
Tgt Ion:154 Resp: 8186

Ion Ratio Lower Upper

154 100

153 113.3 88.9 133.3

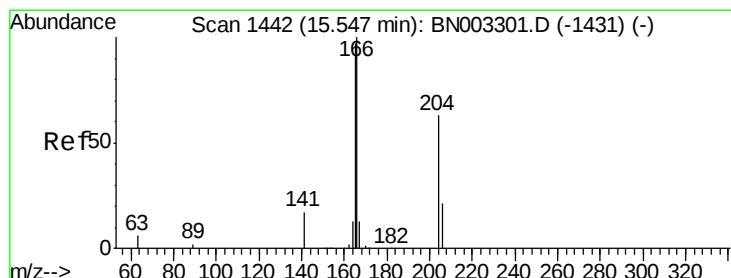
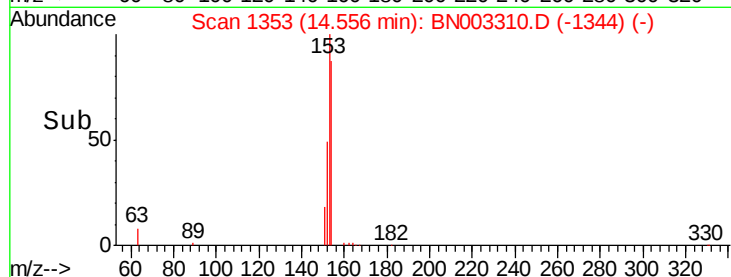
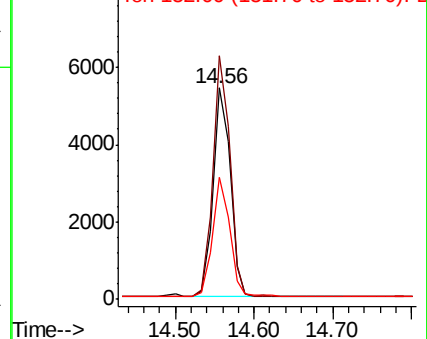
152 56.3 43.5 65.3



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: 0.087 ng

RT: 15.55 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

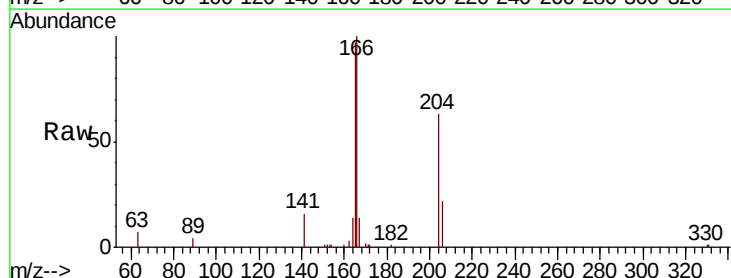
Tgt Ion:166 Resp: 10247

Ion Ratio Lower Upper

166 100

165 98.1 77.8 116.8

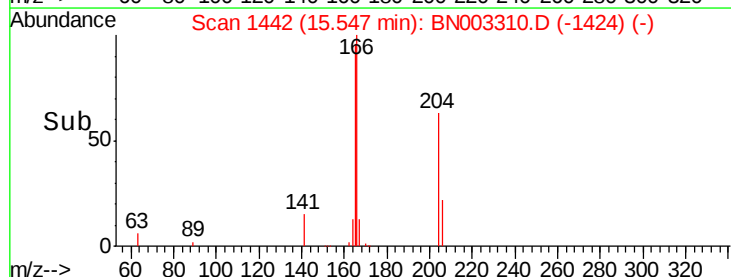
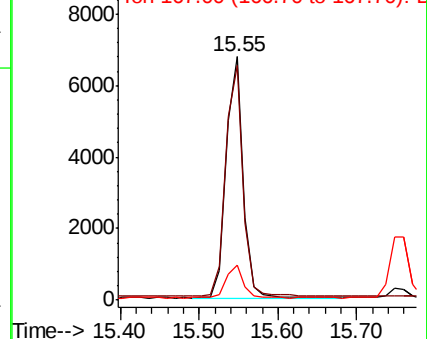
167 13.7 10.9 16.3

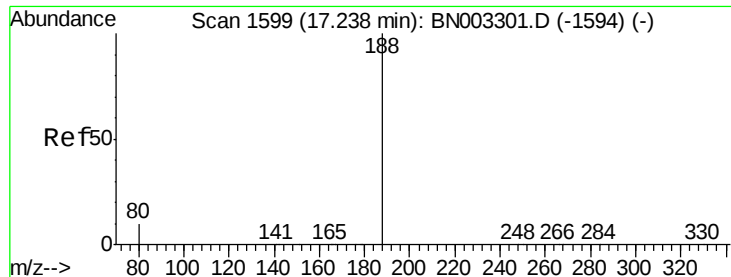


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.24 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

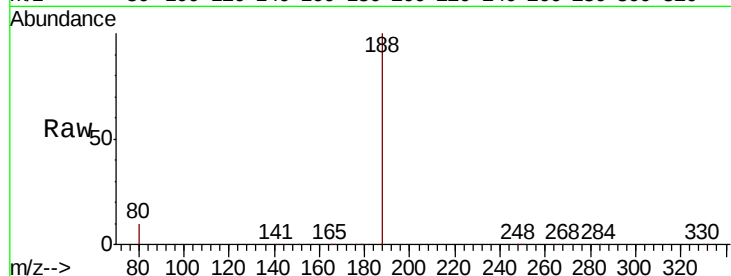
Tgt Ion:188 Resp: 76951

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

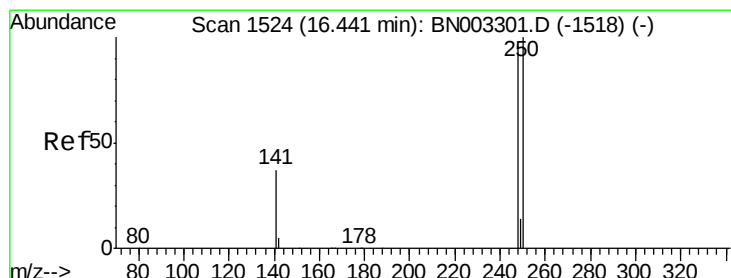
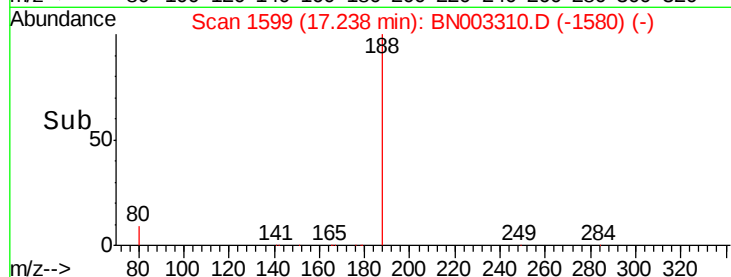
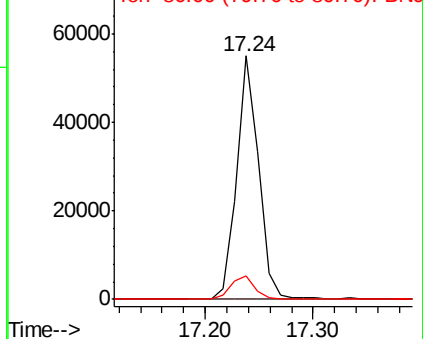
80 9.5 8.6 12.8



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: 0.086 ng

RT: 16.43 min Scan# 1523

Delta R.T. -0.01 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

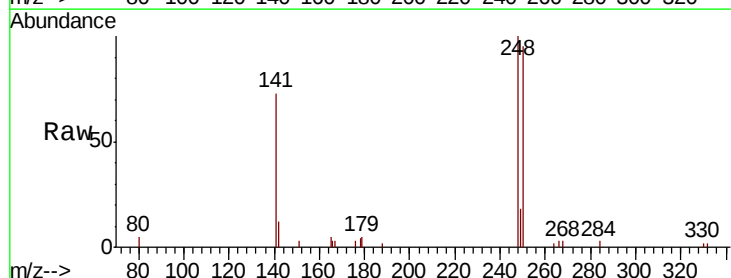
Tgt Ion:248 Resp: 3816

Ion Ratio Lower Upper

248 100

250 94.8 83.7 125.5

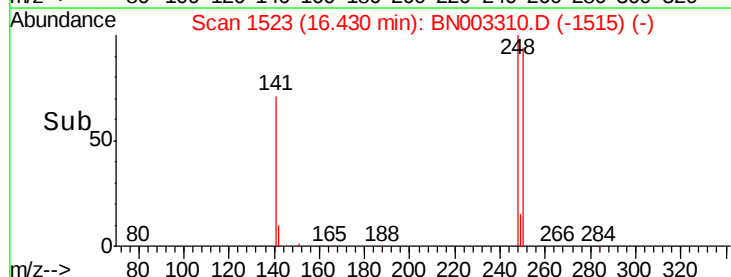
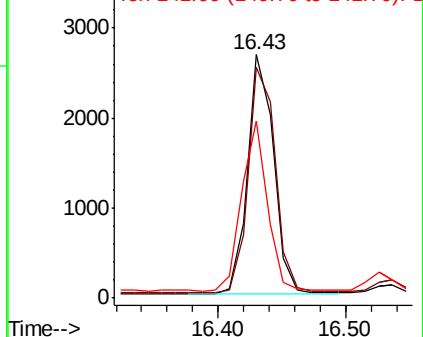
141 72.6 31.4 47.0#

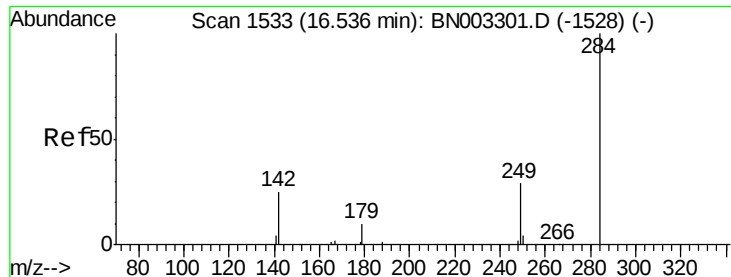


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

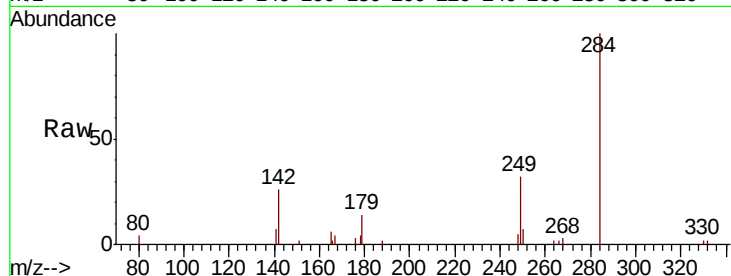




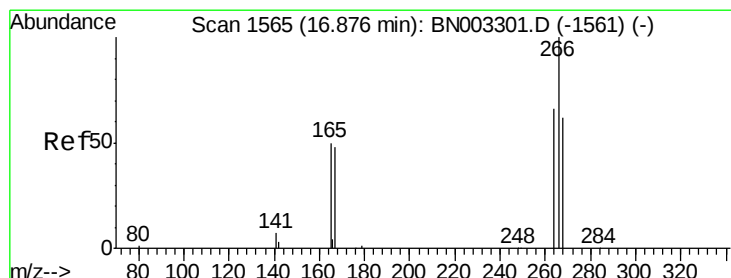
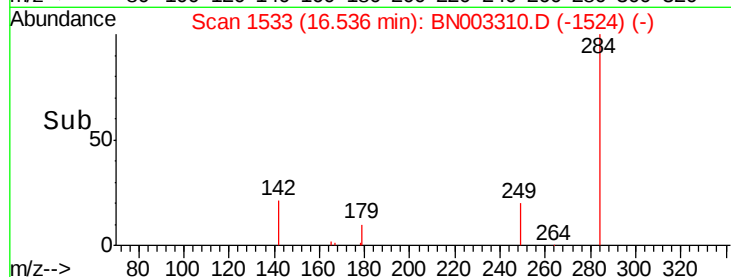
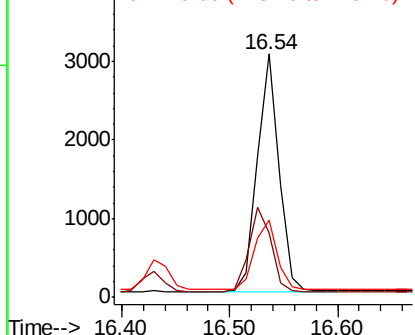
#21
Hexachlorobenzene
Concen: 0.090 ng
RT: 16.54 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BN003310.D
Acq: 26 Oct 2018 18:17

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 284 Resp: 4213
Ion Ratio Lower Upper
284 100
142 36.8 29.7 44.5
249 30.3 24.0 36.0

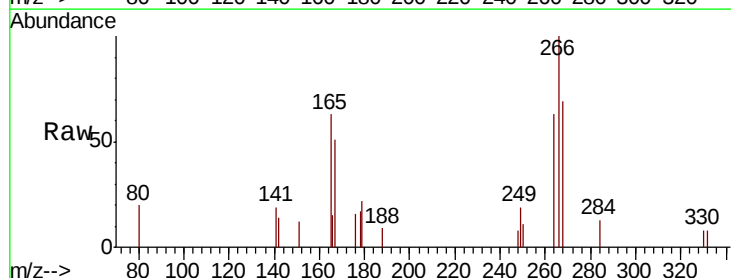


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

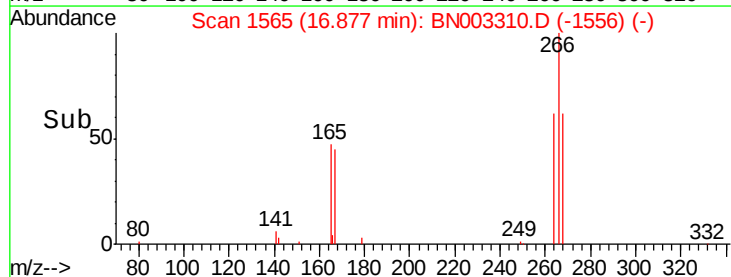
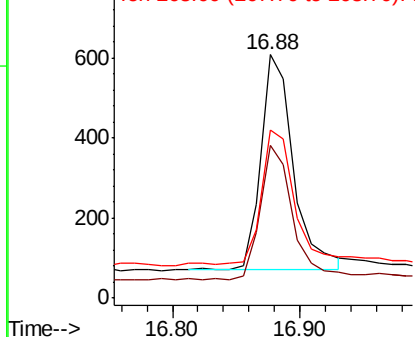


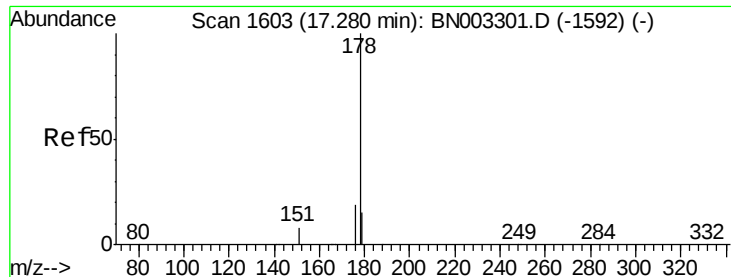
#22
Pentachlorophenol
Concen: 0.075 ng
RT: 16.88 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN003310.D
Acq: 26 Oct 2018 18:17

Tgt Ion: 266 Resp: 959
Ion Ratio Lower Upper
266 100
264 62.7 52.1 78.1
268 68.9 51.8 77.6



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: 0.088 ng

RT: 17.28 min Scan# 1603

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

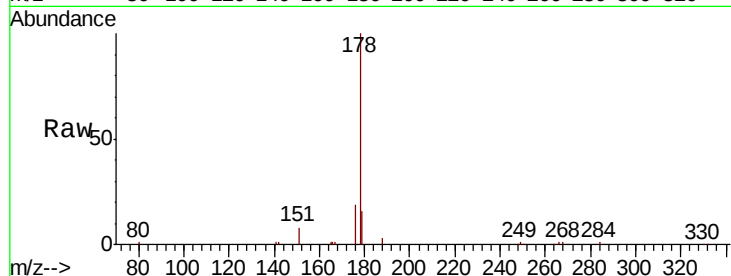
Tgt Ion:178 Resp: 18524

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

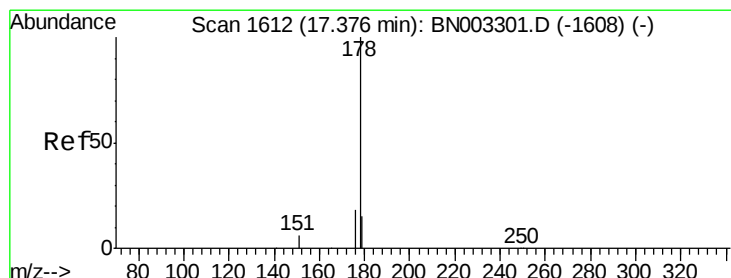
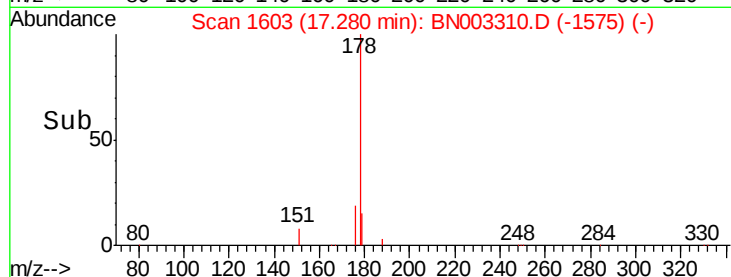
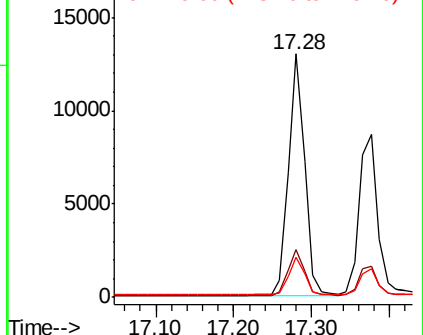
179 15.8 12.4 18.6



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



#24

Anthracene

Concen: 0.079 ng

RT: 17.38 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

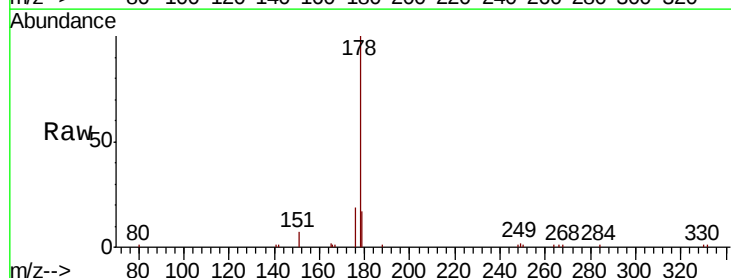
Tgt Ion:178 Resp: 14240

Ion Ratio Lower Upper

178 100

176 18.4 14.5 21.7

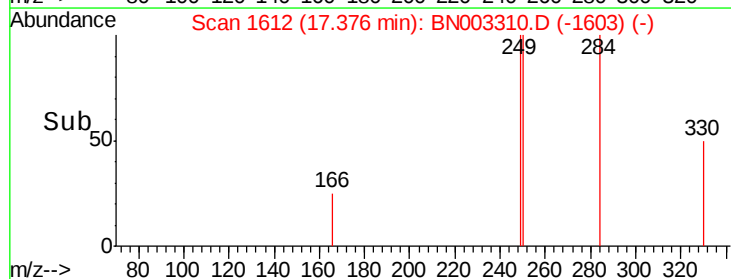
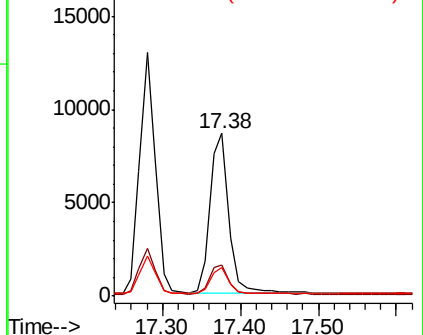
179 15.7 12.2 18.4

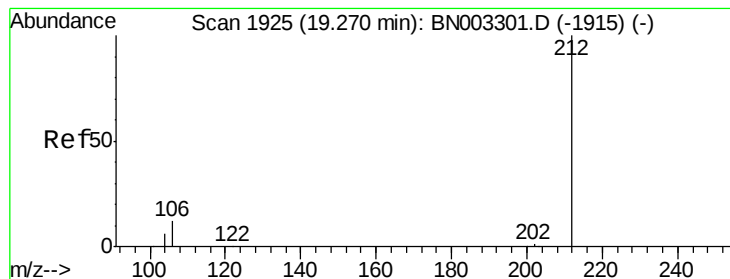


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.287 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

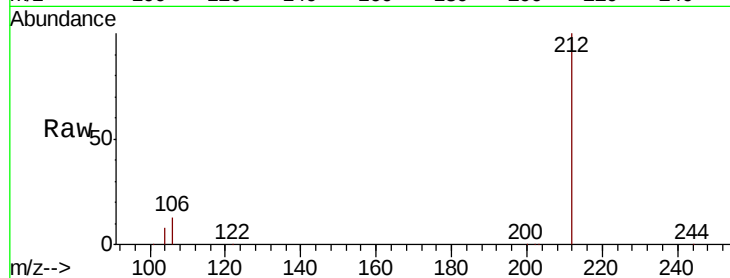
Tgt Ion:212 Resp: 64250

Ion Ratio Lower Upper

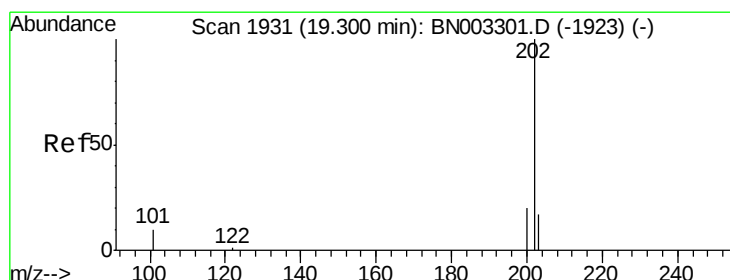
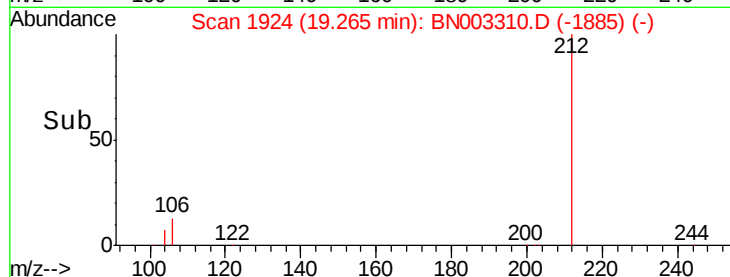
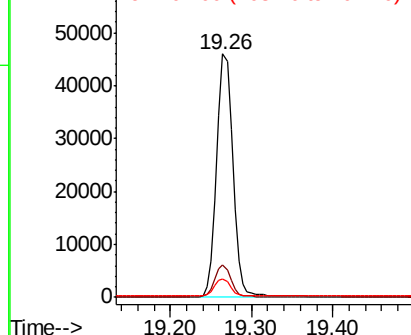
212 100

106 12.9 10.3 15.5

104 7.1 5.6 8.4



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: 0.086 ng

RT: 19.29 min Scan# 1930

Delta R.T. -0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

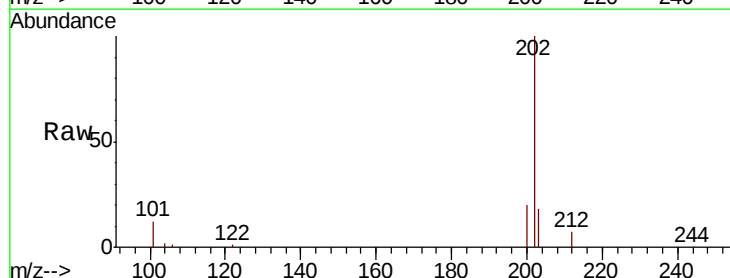
Tgt Ion:202 Resp: 20796

Ion Ratio Lower Upper

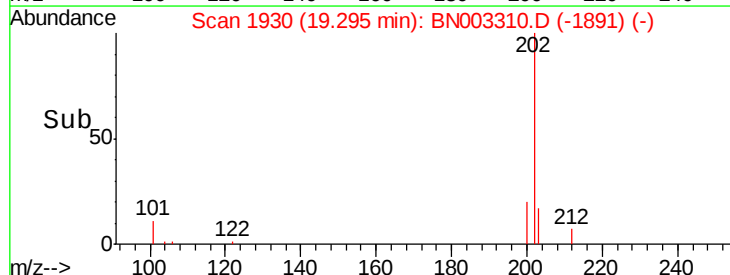
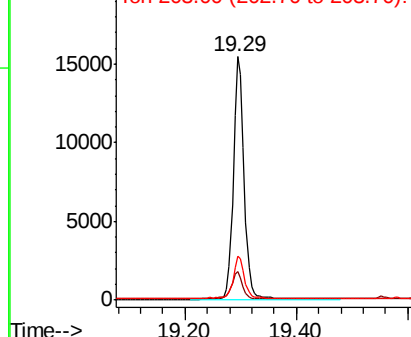
202 100

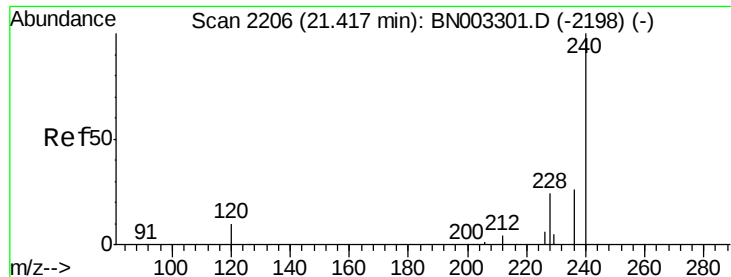
101 11.2 9.0 13.4

203 17.0 13.8 20.6



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: 21.42 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

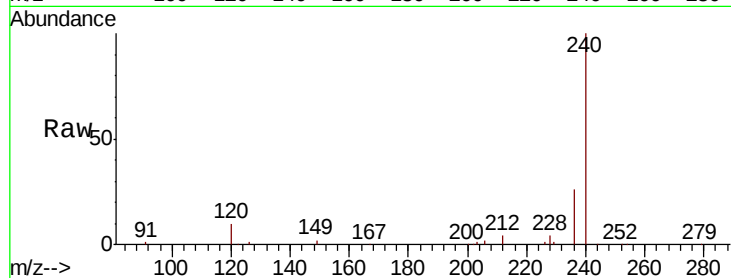
Tgt Ion:240 Resp: 80037

Ion Ratio Lower Upper

240 100

120 9.8 9.3 13.9

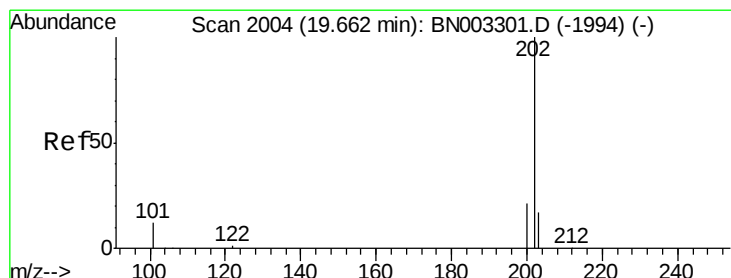
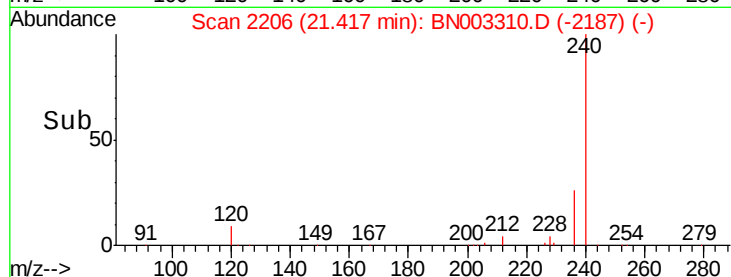
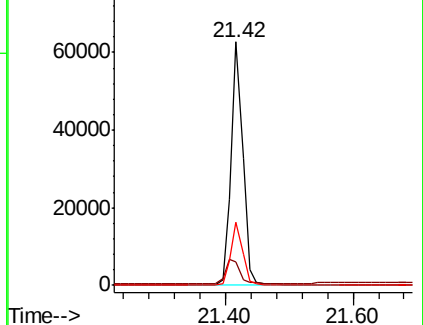
236 25.9 21.0 31.4



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: 0.093 ng

RT: 19.66 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

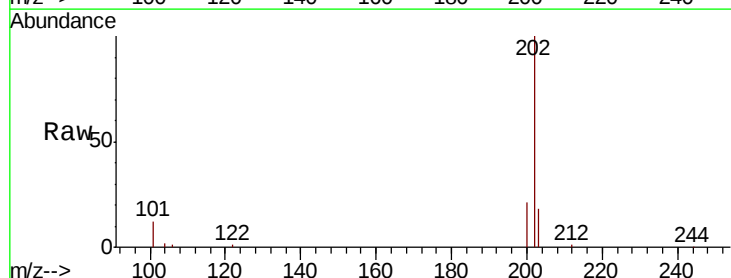
Tgt Ion:202 Resp: 20481

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

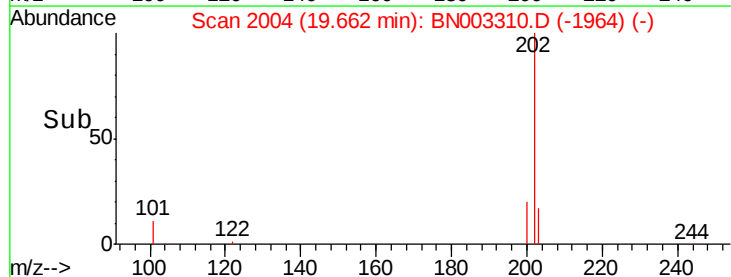
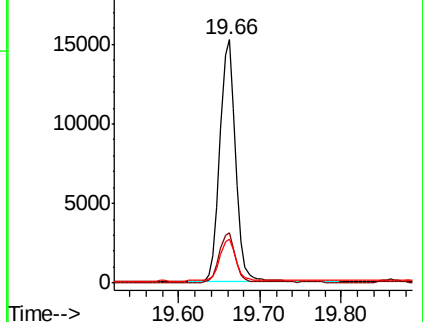
203 17.3 13.9 20.9

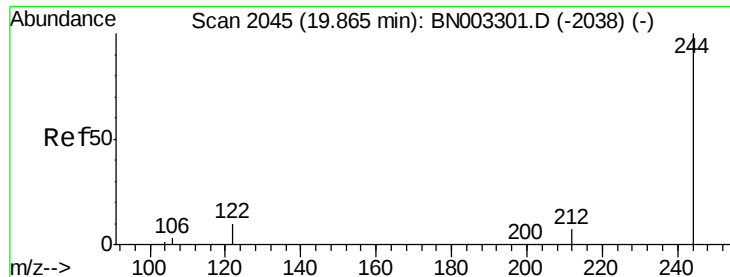


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.310 ng

RT: 19.86 min Scan# 2044

Delta R.T. -0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

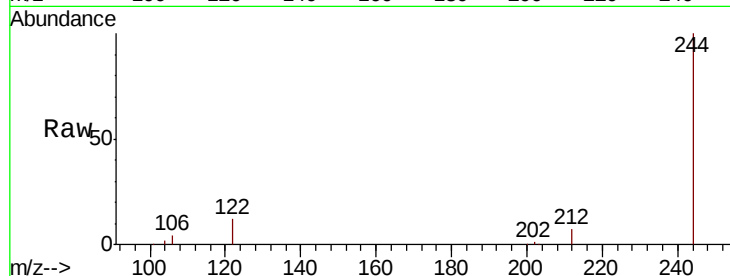
Tgt Ion:244 Resp: 57786

Ion Ratio Lower Upper

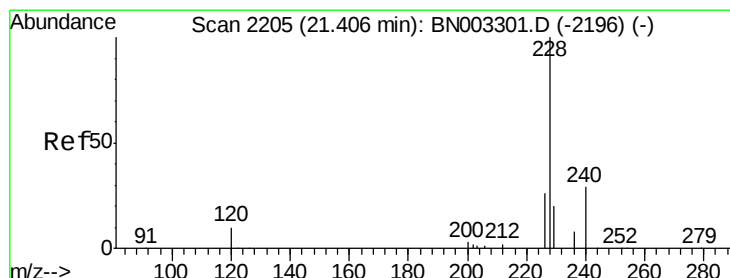
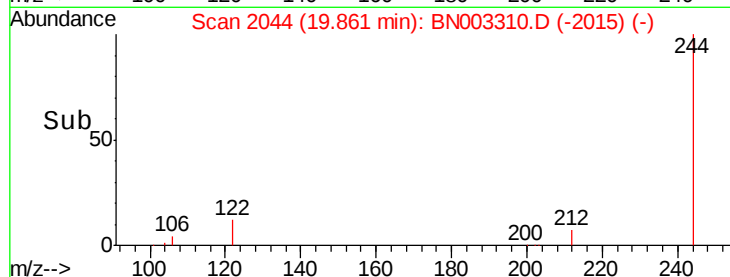
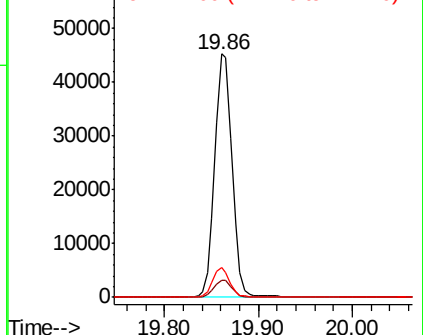
244 100

212 7.1 5.6 8.4

122 12.2 8.5 12.7



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: 0.080 ng

RT: 21.41 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

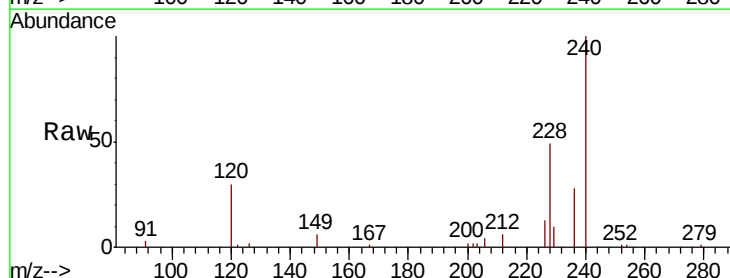
Tgt Ion:228 Resp: 16735

Ion Ratio Lower Upper

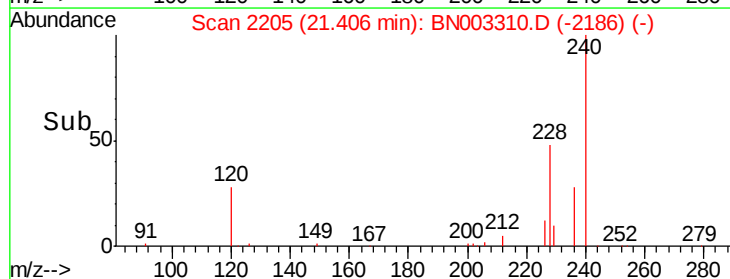
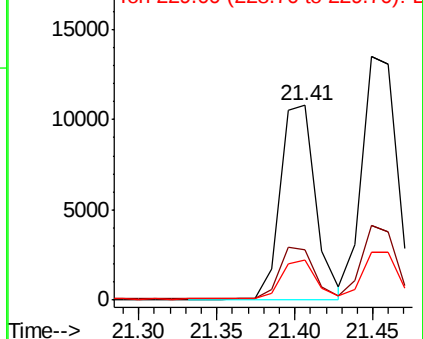
228 100

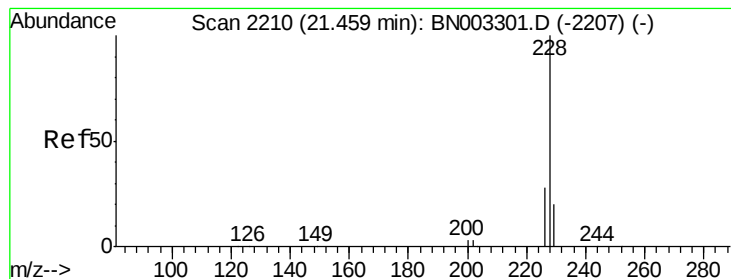
226 25.9 20.8 31.2

229 20.6 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: 0.093 ng

RT: 21.45 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

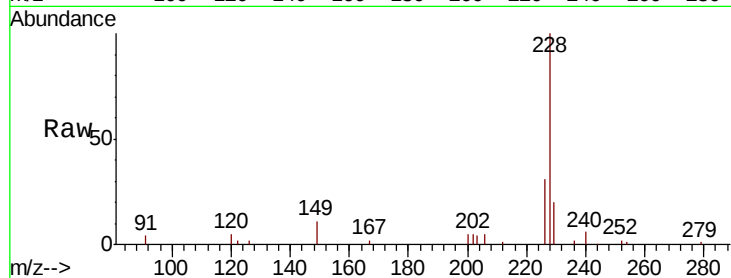
Tgt Ion:228 Resp: 20950

Ion Ratio Lower Upper

228 100

226 30.5 22.7 34.1

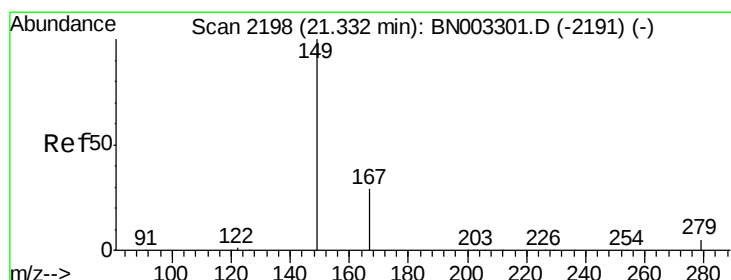
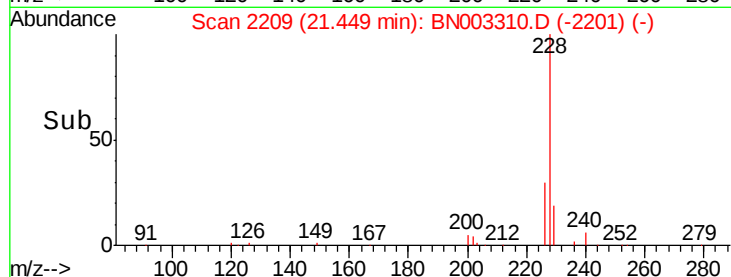
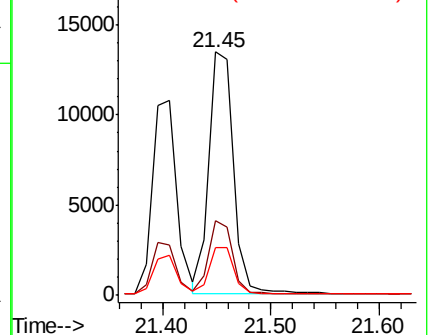
229 19.6 16.0 24.0



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: 0.082 ng

RT: 21.32 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

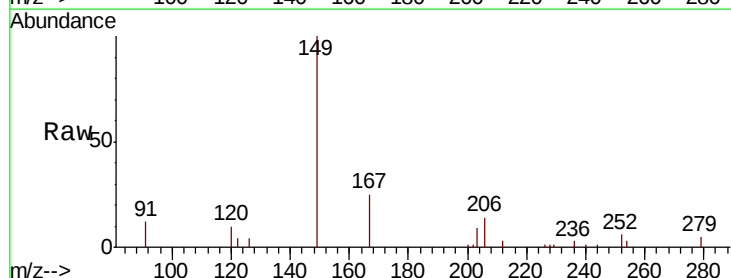
Tgt Ion:149 Resp: 5117

Ion Ratio Lower Upper

149 100

167 28.1 22.4 33.6

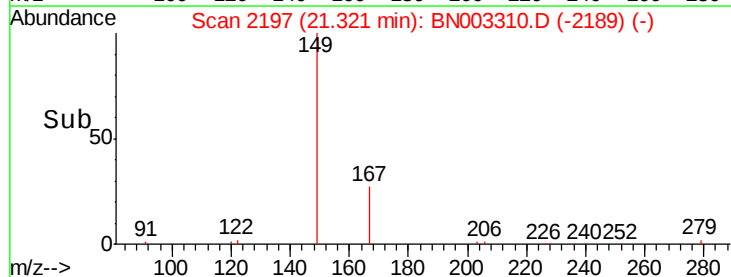
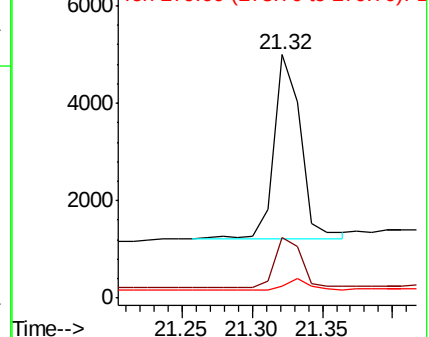
279 6.2 3.9 5.9#

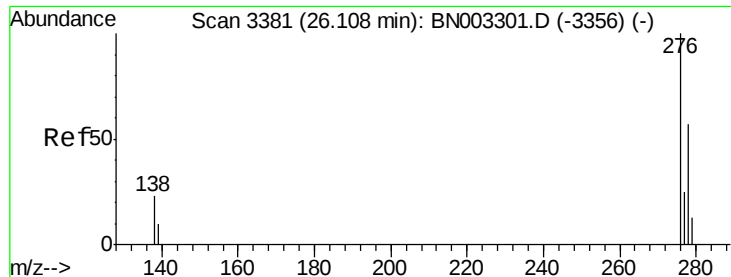


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.080 ng

RT: 26.10 min Scan# 3380

Delta R.T. -0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

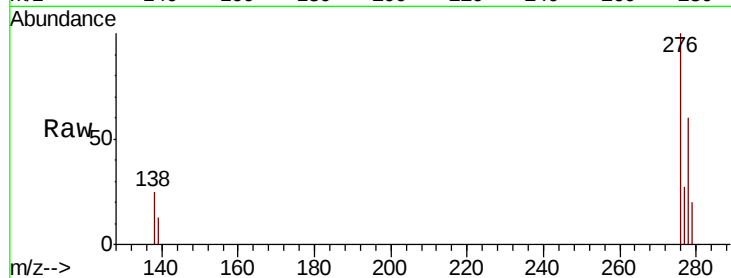
Tgt Ion:276 Resp: 18667

Ion Ratio Lower Upper

276 100

138 22.9 20.6 30.8

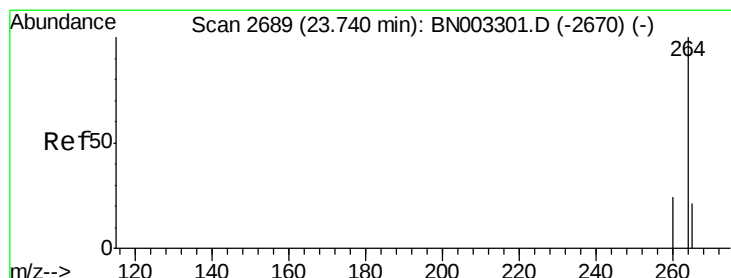
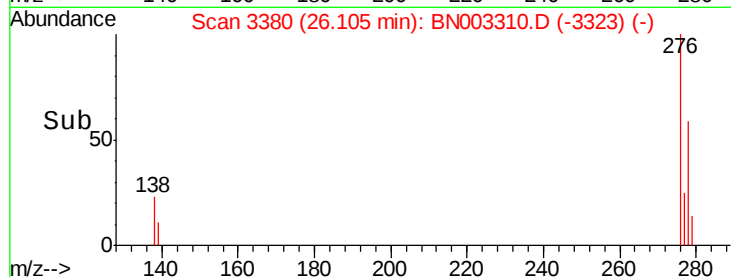
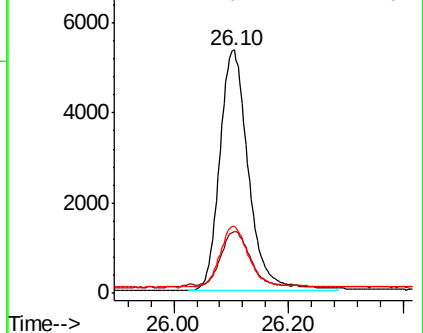
277 24.9 20.0 30.0



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: 23.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

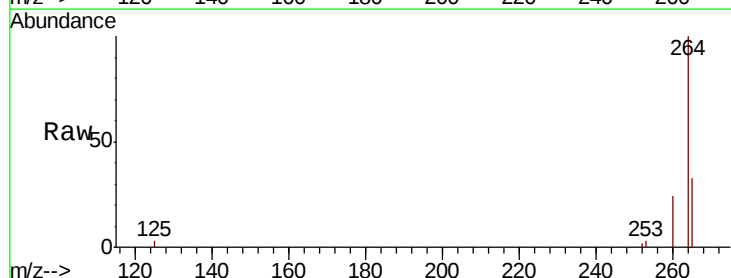
Tgt Ion:264 Resp: 71557

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

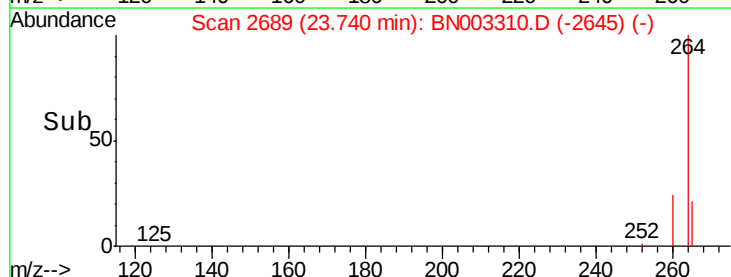
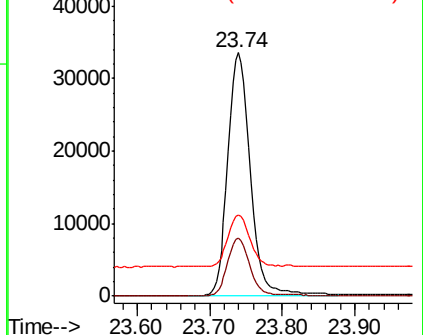
265 33.2 26.4 39.6

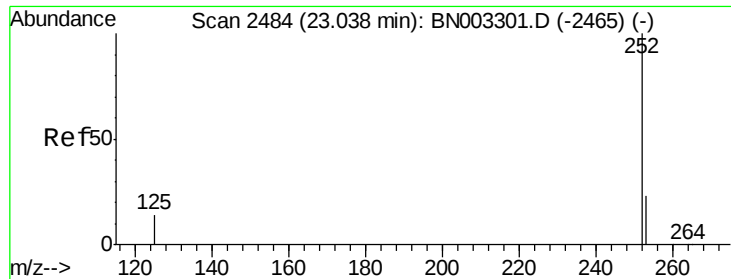


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.088 ng

RT: 23.08 min Scan# 2497

Delta R.T. 0.04 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

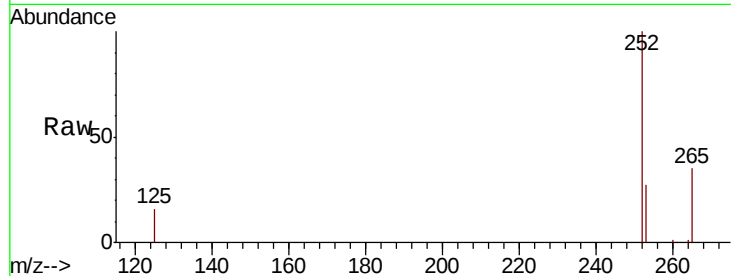
Tgt Ion:252 Resp: 19360

Ion Ratio Lower Upper

252 100

253 27.1 19.3 28.9

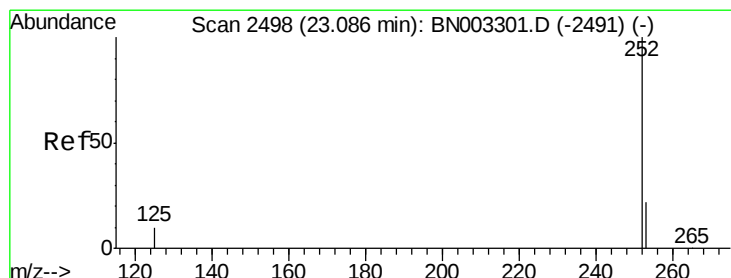
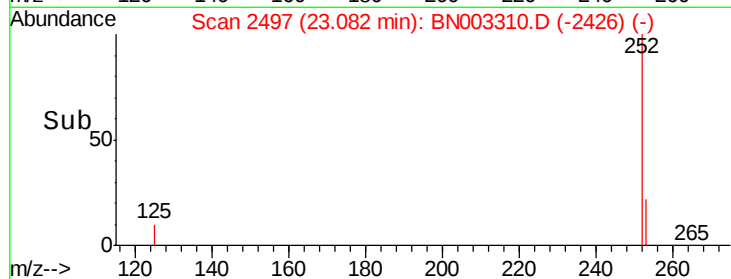
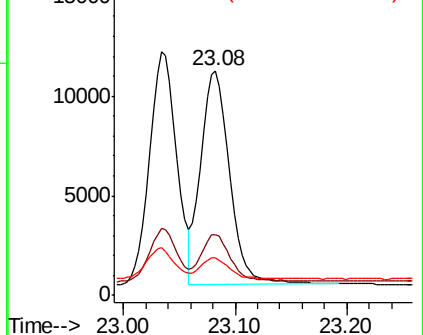
125 16.4 12.7 19.1



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: 0.088 ng

RT: 23.08 min Scan# 2497

Delta R.T. -0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

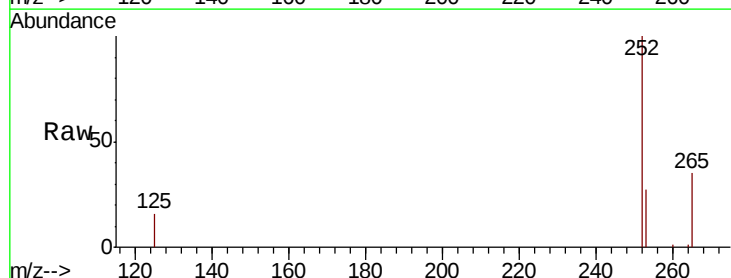
Tgt Ion:252 Resp: 19355

Ion Ratio Lower Upper

252 100

253 27.1 18.5 27.7

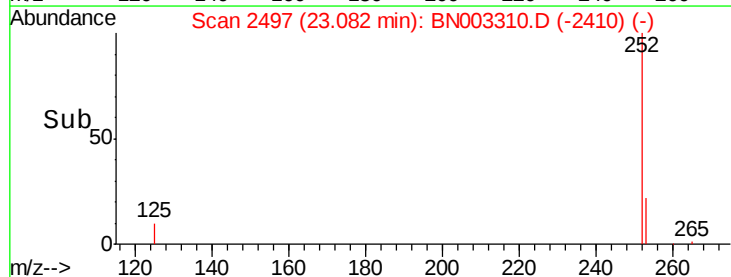
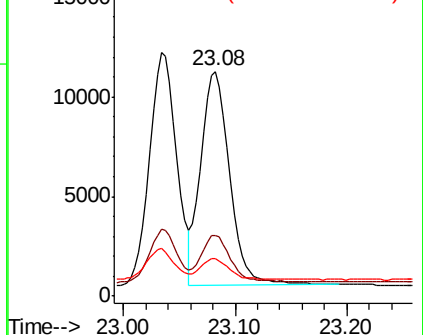
125 16.4 9.1 13.7#

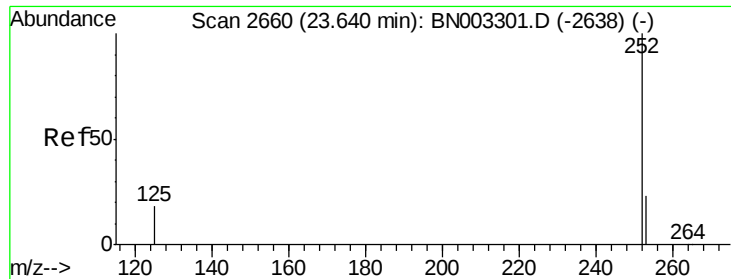


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.084 ng

RT: 23.64 min Scan# 2659

Delta R.T. -0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

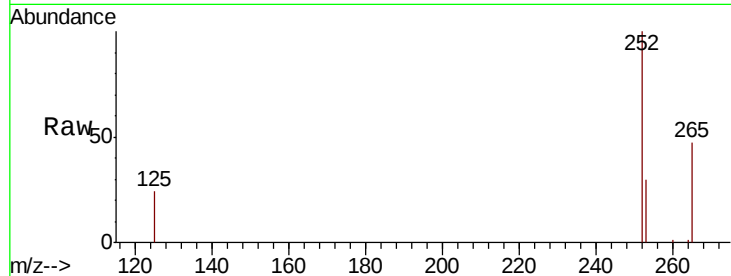
Tgt Ion:252 Resp: 17027

Ion Ratio Lower Upper

252 100

253 29.5 20.1 30.1

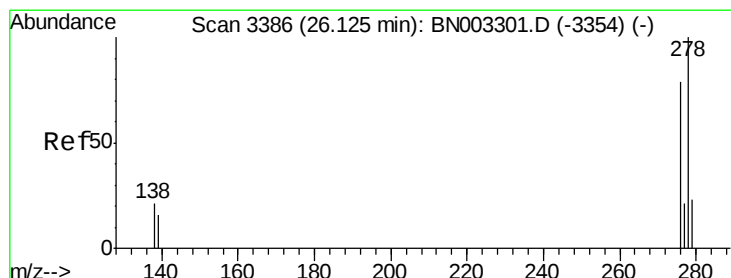
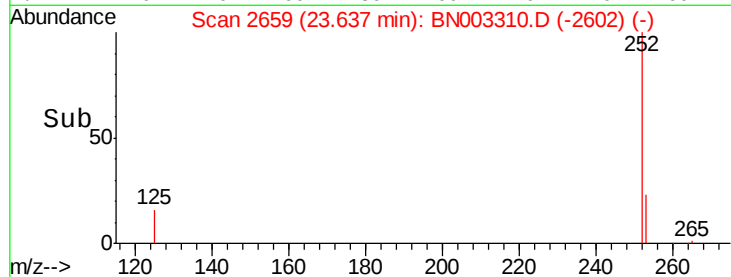
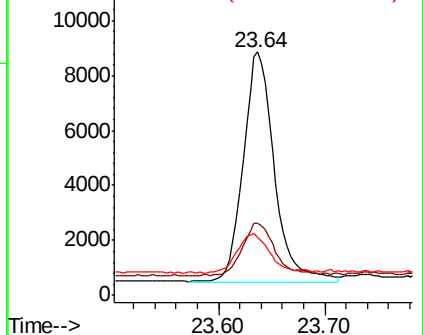
125 24.1 16.0 24.0#



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: 0.079 ng

RT: 26.12 min Scan# 3385

Delta R.T. -0.00 min

Lab File: BN003310.D

Acq: 26 Oct 2018 18:17

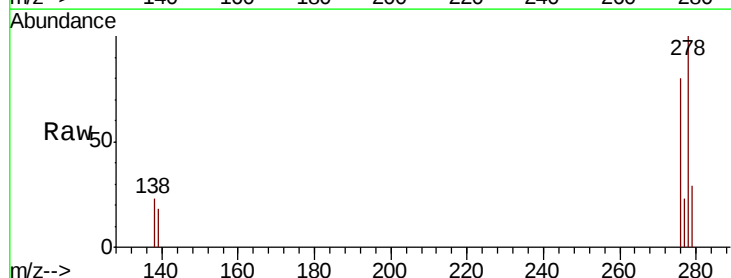
Tgt Ion:278 Resp: 14900

Ion Ratio Lower Upper

278 100

139 18.3 13.5 20.3

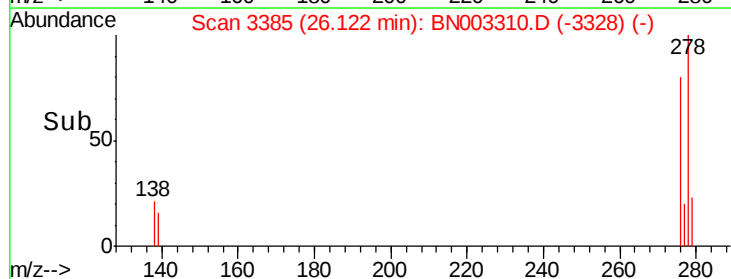
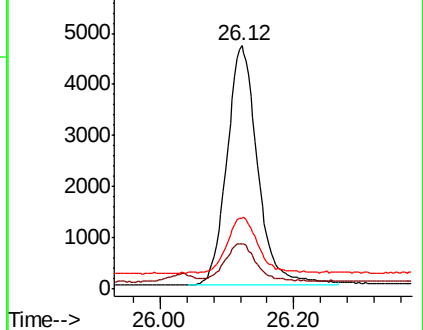
279 29.2 19.8 29.6

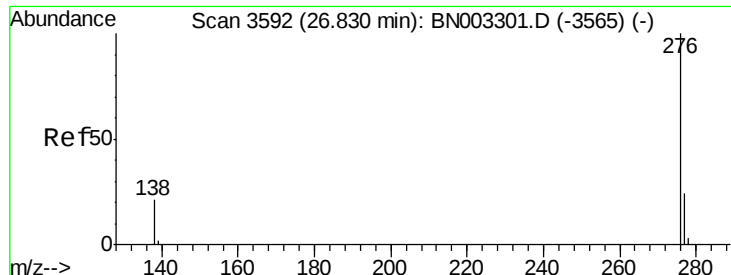


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.086 ng

RT: 26.83 min Scan# 3592

Delta R.T. 0.00 min

Lab File: BN003310.D

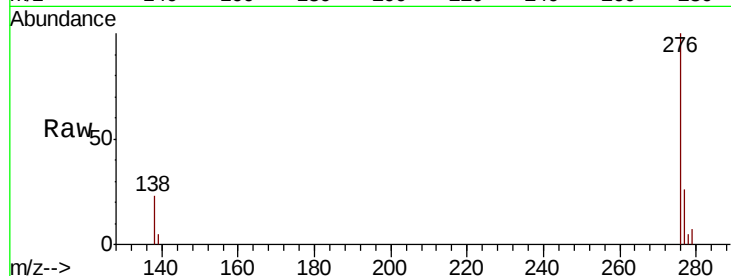
Acq: 26 Oct 2018 18:17

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018



Tgt Ion: 276 Resp: 16345

Ion Ratio Lower Upper

276 100

277 26.4 19.5 29.3

138 23.3 17.4 26.2

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

