

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102418\
 Data File : BE098042.D
 Acq On : 24 Oct 2018 17:21
 Operator : SJ/JU
 Sample : J5164-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 04:02:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 13:49:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1090	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	5523	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	4006	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	9543	0.40	ng	0.00
27) Chrysene-d12	21.47	240	11190	0.40	ng	0.00
34) Perylene-d12	24.03	264	10985	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1162	0.35	ng	0.00
5) Phenol-d6	7.06	99	1784	0.32	ng	0.00
8) Nitrobenzene-d5	9.03	82	1969	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	2986	0.30	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	592	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	4911	0.30	ng	0.00
25) Fluoranthene-d10	19.32	212	37120	0.30	ng	0.00
29) Terphenyl-d14	19.92	244	7676	0.29	ng	0.00

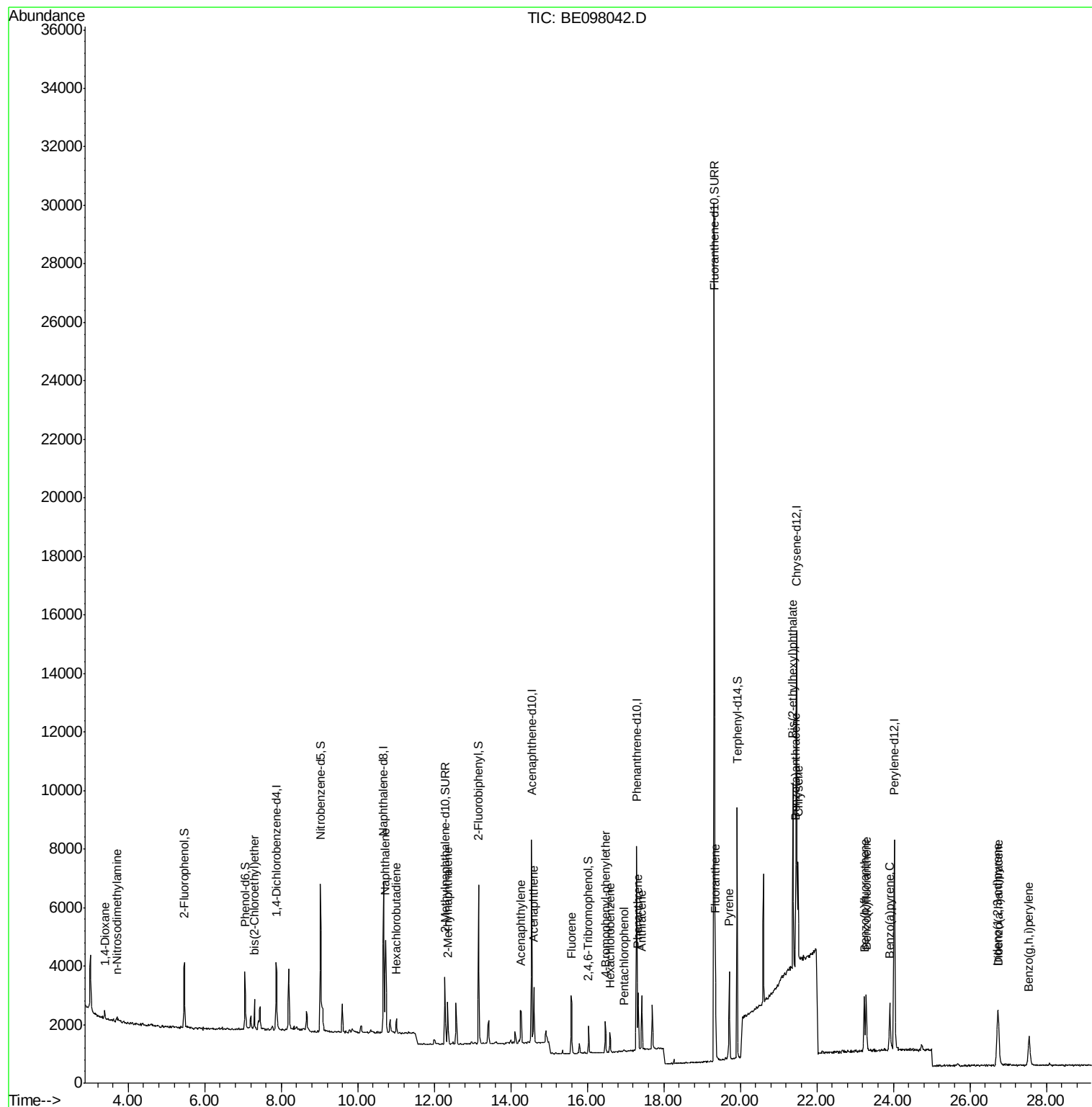
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	210	0.125	ng	88
3) n-Nitrosodimethylamine	3.70	42	234	0.105	ng	# 70
6) bis(2-Chloroethyl)ether	7.30	93	381	0.099	ng	95
9) Naphthalene	10.73	128	5010	0.091	ng	# 97
10) Hexachlorobutadiene	11.02	225	362	0.097	ng	94
12) 2-Methylnaphthalene	12.35	142	890	0.090	ng	# 87
16) Acenaphthylene	14.27	152	1616	0.089	ng	99
17) Acenaphthene	14.60	154	982	0.090	ng	97
18) Fluorene	15.59	166	1281	0.087	ng	96
20) 4-Bromophenyl-phenylether	16.48	248	510	0.089	ng	# 87
21) Hexachlorobenzene	16.59	284	536	0.089	ng	95
22) Pentachlorophenol	16.96	266	45	0.090	ng	# 72
23) Phenanthrene	17.33	178	2088	0.089	ng	98
24) Anthracene	17.42	178	2029	0.088	ng	99
26) Fluoranthene	19.35	202	2639	0.090	ng	98
28) Pyrene	19.71	202	2817	0.091	ng	99
30) Benzo(a)anthracene	21.45	228	3048	0.092	ng	94
31) Chrysene	21.51	228	2897	0.090	ng	97
32) Bis(2-ethylhexyl)phthalate	21.38	149	7614	0.097	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.72	276	3188	0.091	ng	# 67
35) Benzo(b)fluoranthene	23.24	252	2753	0.090	ng	# 89
36) Benzo(k)fluoranthene	23.29	252	2862	0.090	ng	# 86
37) Benzo(a)pyrene	23.91	252	2770	0.092	ng	# 80
38) Dibenzo(a,h)anthracene	26.75	278	2630	0.090	ng	# 86
39) Benzo(g,h,i)perylene	27.54	276	2577	0.089	ng	# 91

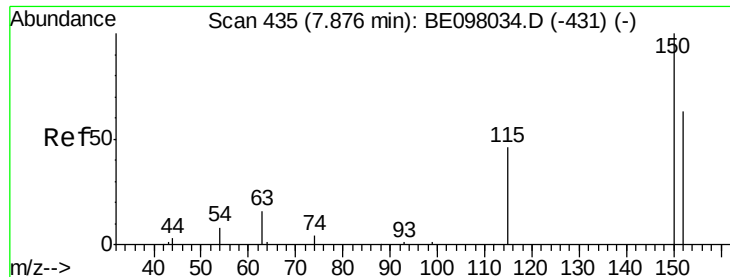
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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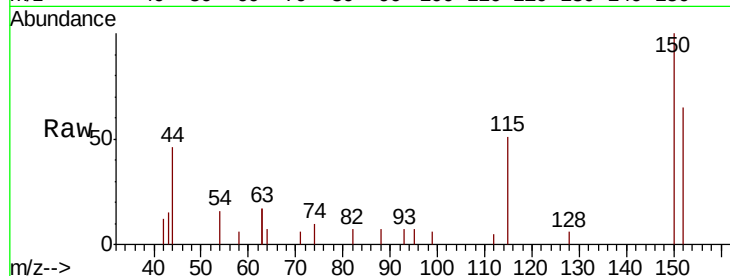


#1

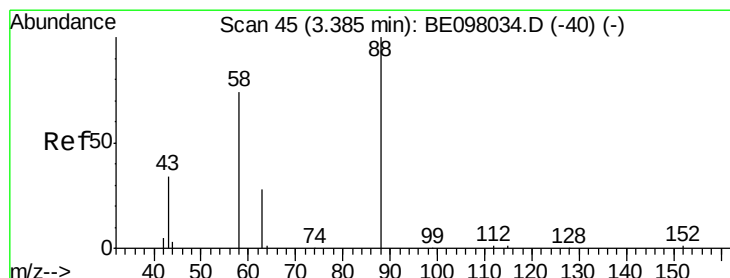
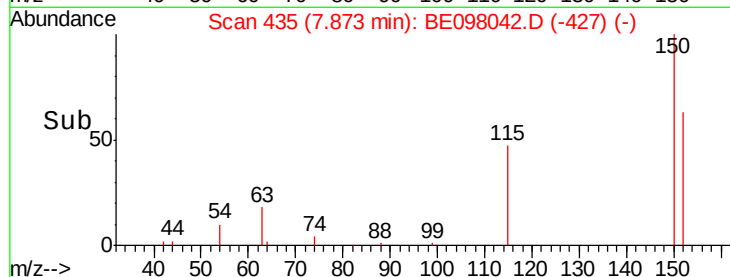
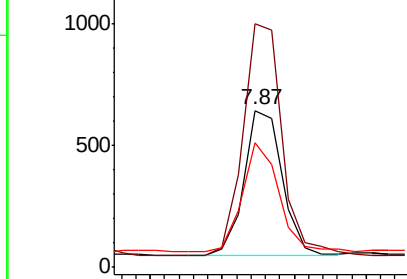
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

Tot Ion:152 Resp: 1090
Ion Ratio Lower Upper
152 100
150 155.0 118.2 177.4
115 79.6 50.9 76.3#



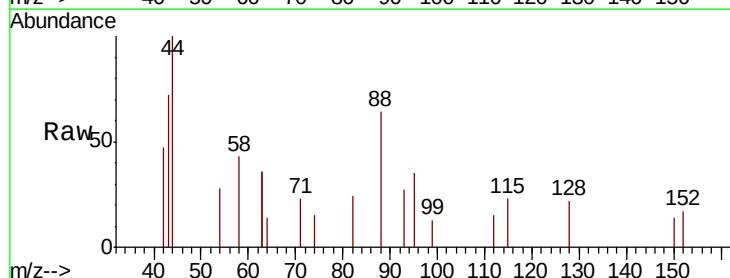
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



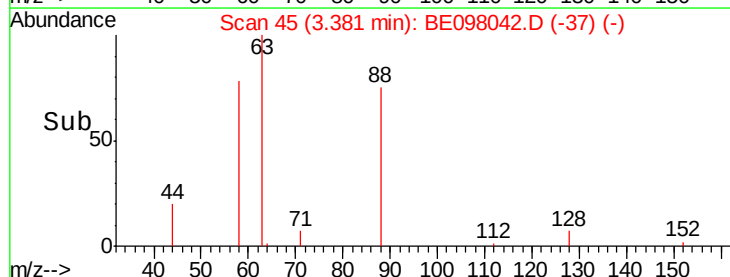
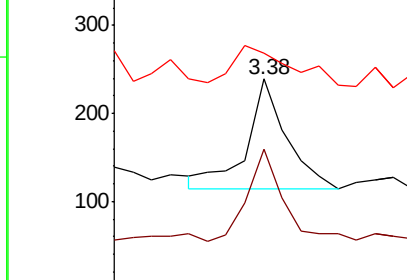
#2

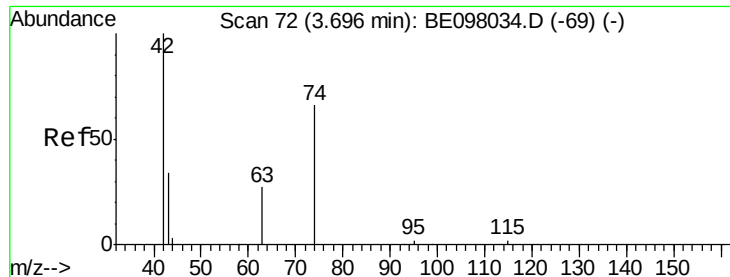
1,4-Dioxane
Concen: 0.125 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
58 80.0 73.2 109.8
43 53.8 36.9 55.3



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



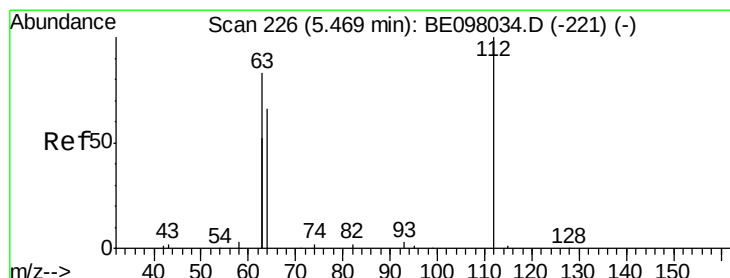
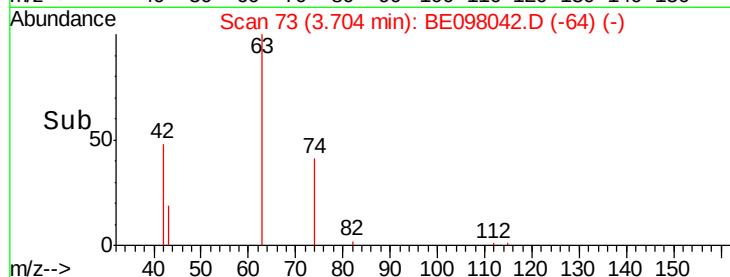
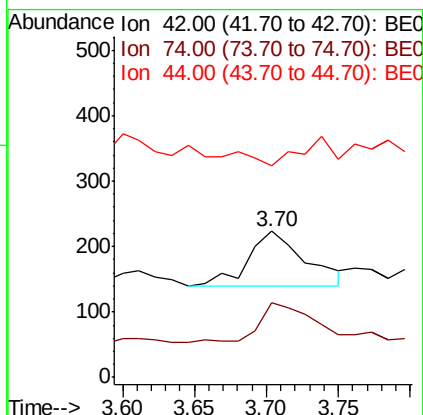
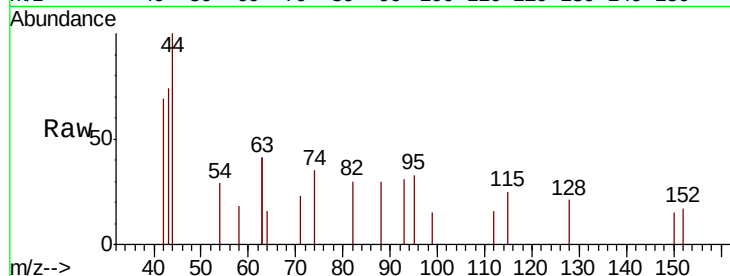


#3

n-Nitrosodimethylamine
 Concen: 0.105 ng
 RT: 3.70 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: BE098042.D
 Acq: 24 Oct 2018 17:21

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

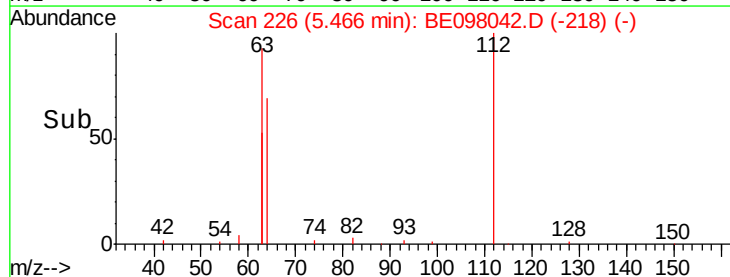
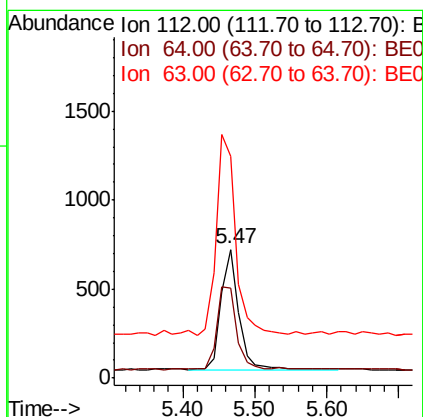
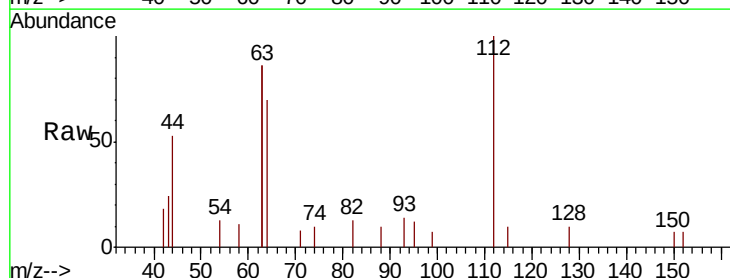
Tot Ion: 42 Resp: 234
 Ion Ratio Lower Upper
 42 100
 74 66.7 77.6 116.4#
 44 0.0 7.6 11.4#

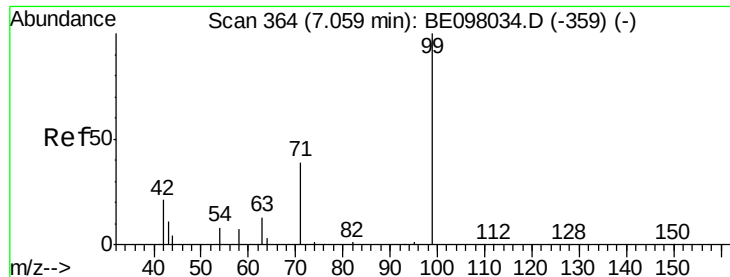


#4

2-Fluorophenol
 Concen: 0.352 ng
 RT: 5.47 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BE098042.D
 Acq: 24 Oct 2018 17:21

Tgt Ion: 112 Resp: 1162
 Ion Ratio Lower Upper
 112 100
 64 74.8 58.9 88.3
 63 174.4 120.3 180.5





#5

Phenol-d6

Concen: 0.325 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

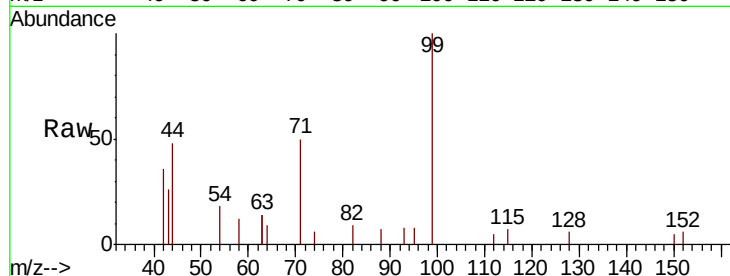
Tot Ion: 99 Resp: 1784

Ion Ratio Lower Upper

99 100

42 33.1 19.9 29.9#

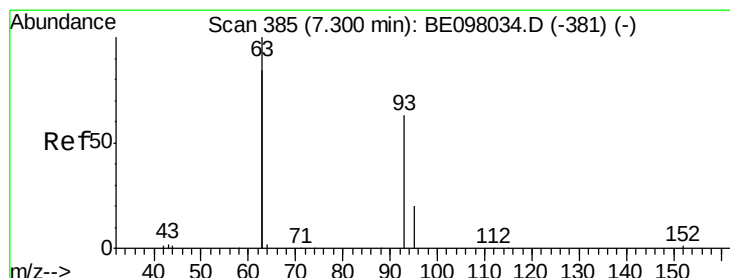
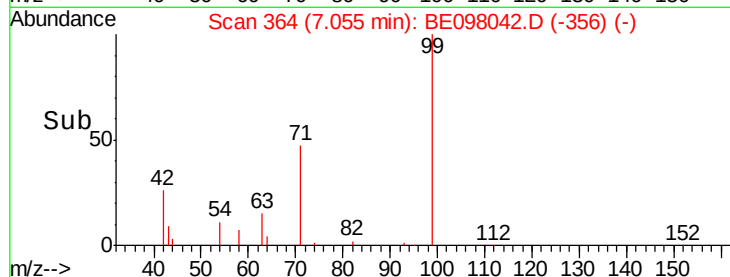
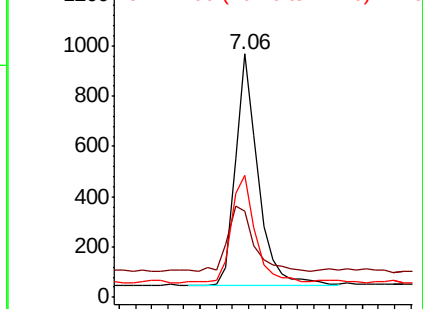
71 50.4 27.8 41.8#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.099 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

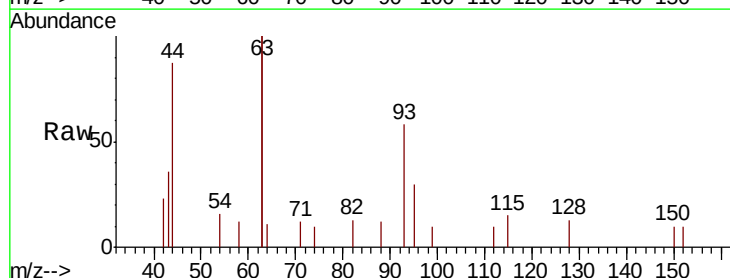
Tgt Ion: 93 Resp: 381

Ion Ratio Lower Upper

93 100

63 314.2 259.0 388.4

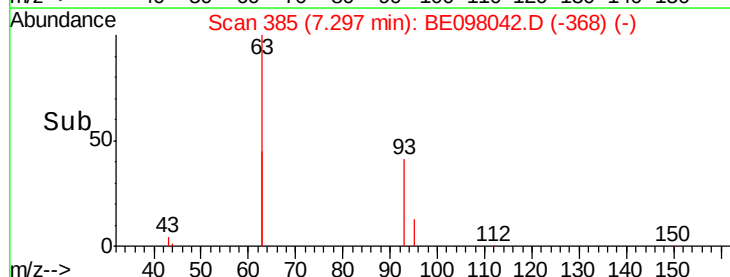
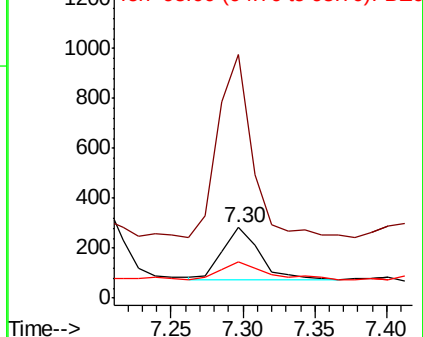
95 41.7 27.8 41.8

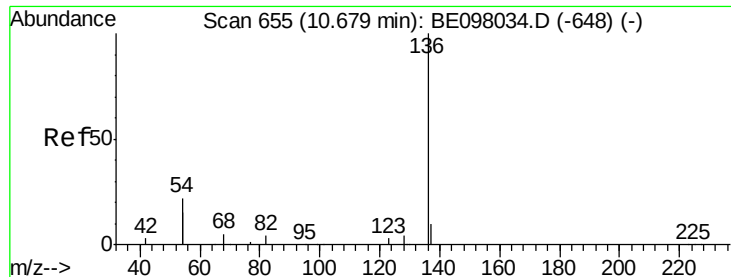


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tot Ion:136 Resp: 5523

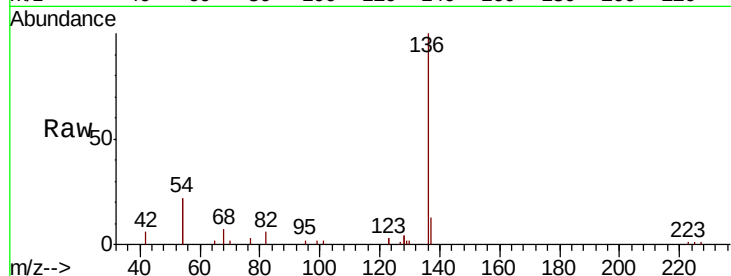
Ion Ratio Lower Upper

136 100

137 12.5 9.6 14.4

54 43.8 27.7 41.5#

68 7.0 5.3 7.9

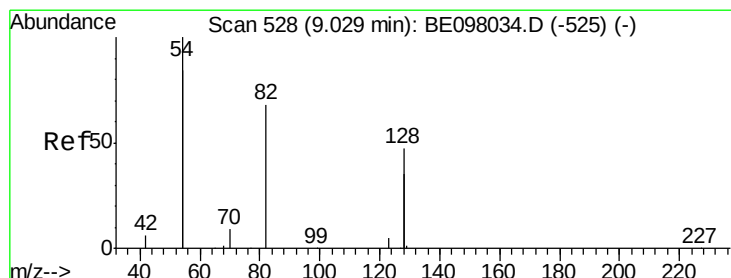
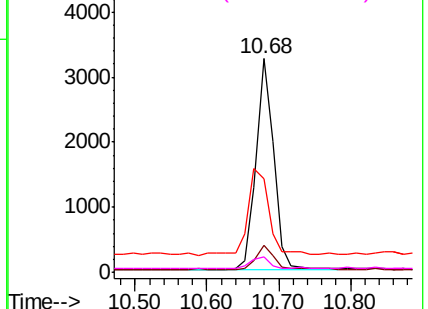
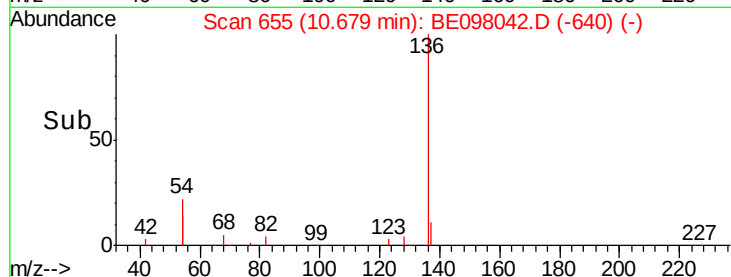


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.335 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

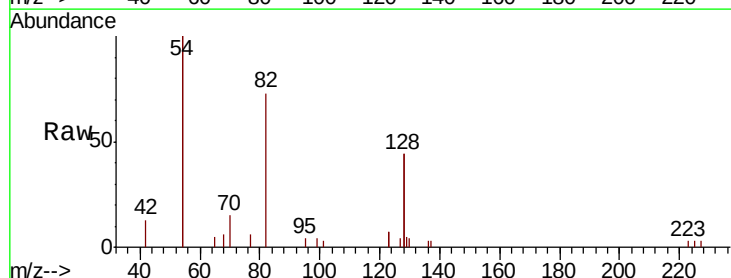
Tgt Ion: 82 Resp: 1969

Ion Ratio Lower Upper

82 100

128 119.1 129.9 194.9#

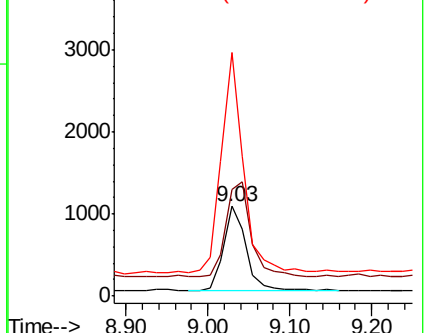
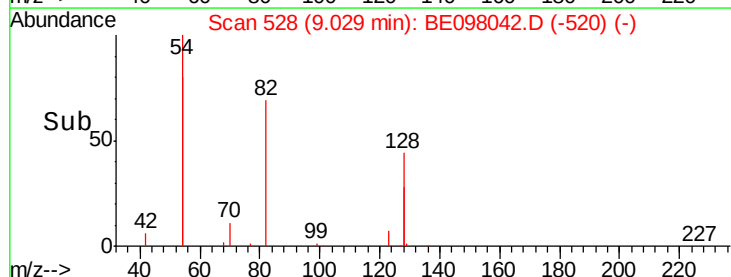
54 272.1 174.0 261.0#

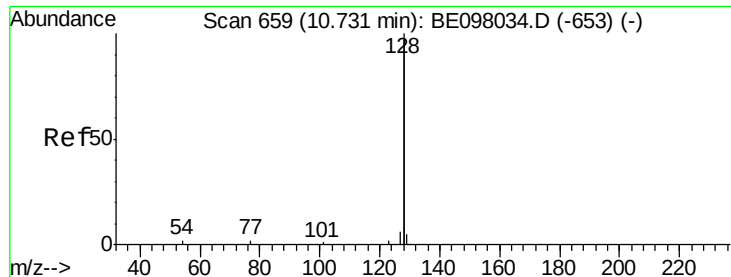


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.091 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.00 min

Lab File: BE098042.D

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BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

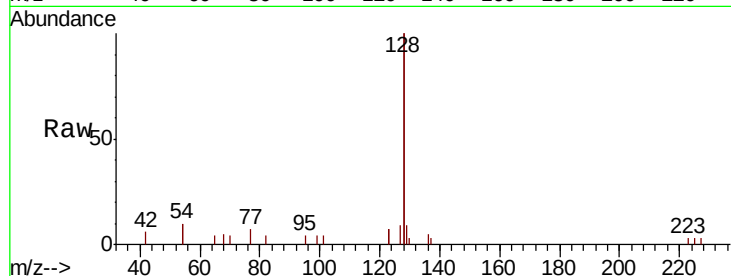
Tot Ion:128 Resp: 5010

Ion Ratio Lower Upper

128 100

129 4.5 2.5 3.7#

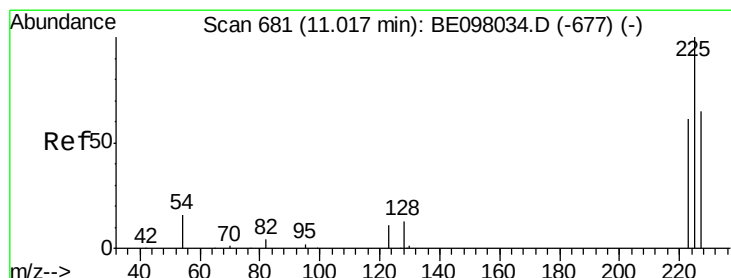
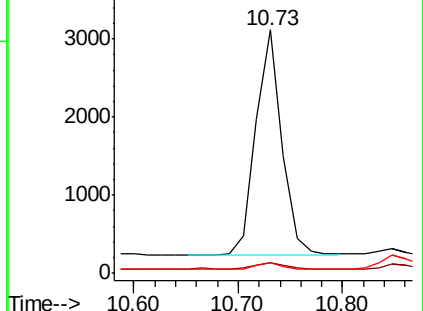
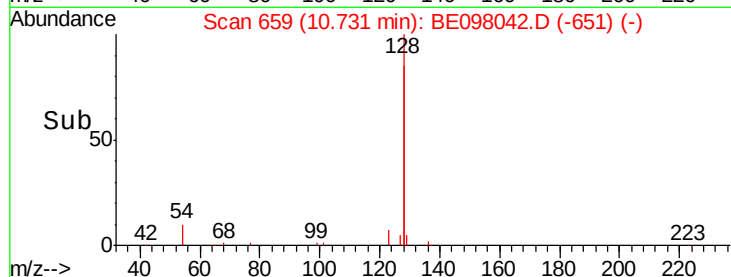
127 4.3 2.8 4.2#



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: 0.097 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

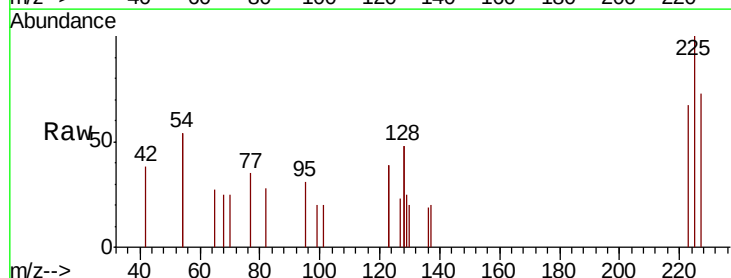
Tgt Ion:225 Resp: 362

Ion Ratio Lower Upper

225 100

223 58.3 51.8 77.8

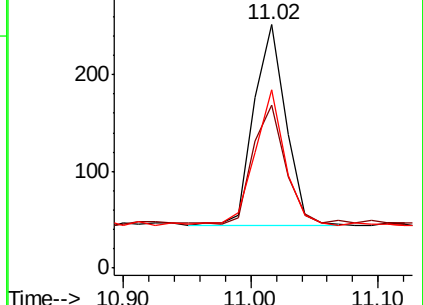
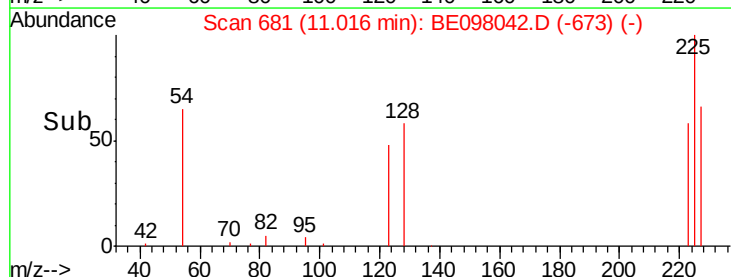
227 63.8 53.0 79.6

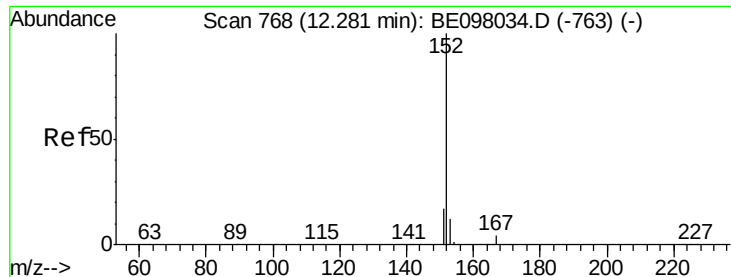


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

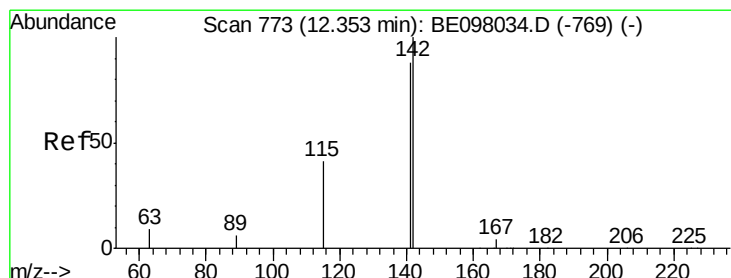
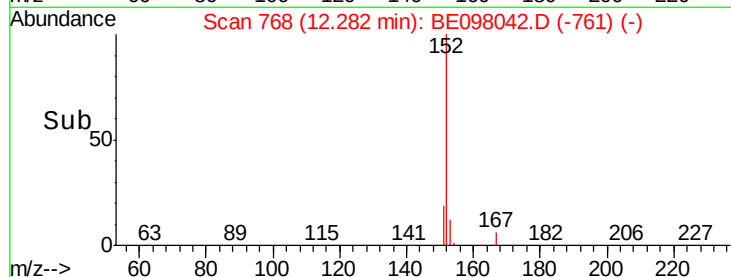
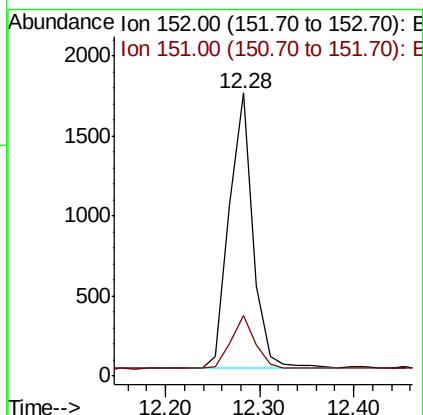
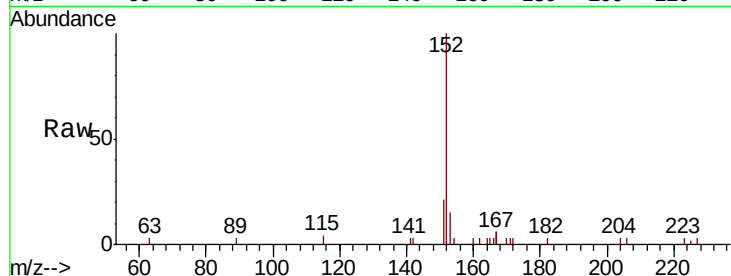




#11
2-Methylnaphthalene-d10
Concen: 0.305 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

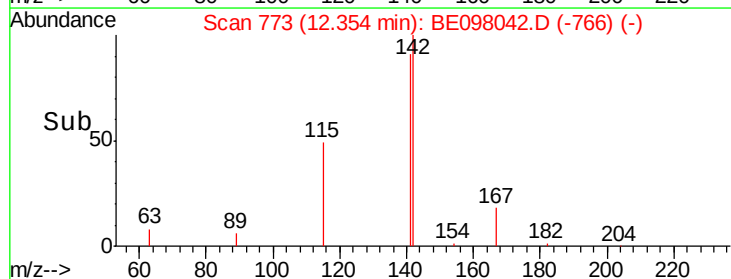
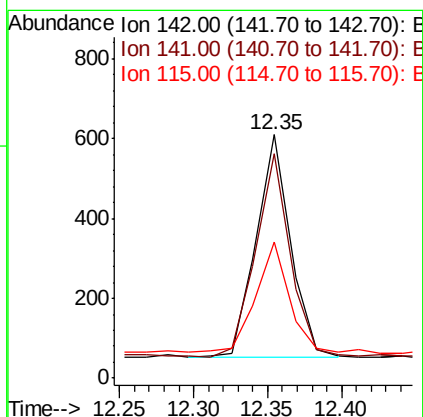
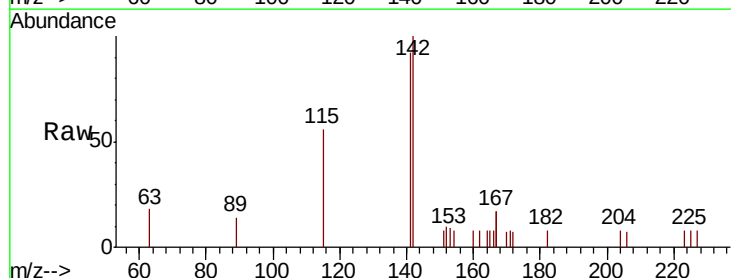
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

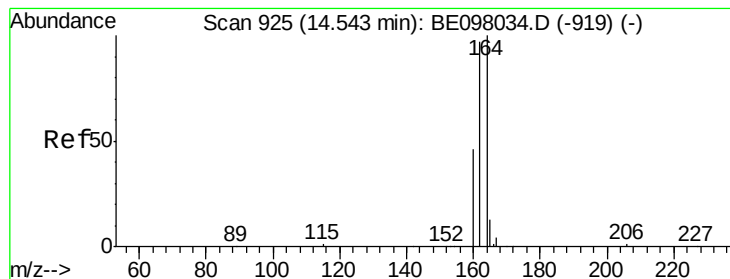
Tot Ion:152 Resp: 2986
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4



#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 12.35 min Scan# 773
Delta R.T. 0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

Tgt Ion:142 Resp: 890
Ion Ratio Lower Upper
142 100
141 92.3 69.8 104.6
115 55.9 30.5 45.7#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

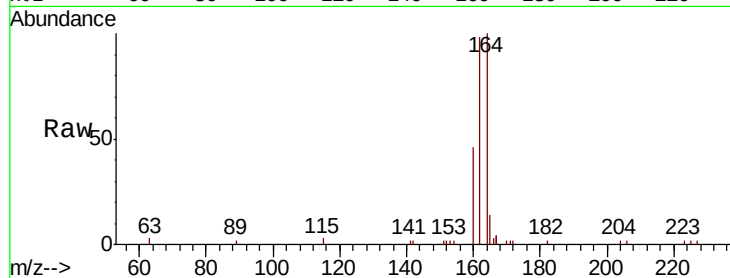
Tot Ion:164 Resp: 4006

Ion Ratio Lower Upper

164 100

162 97.7 77.4 116.2

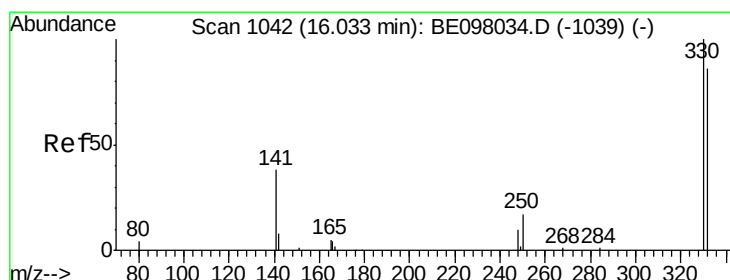
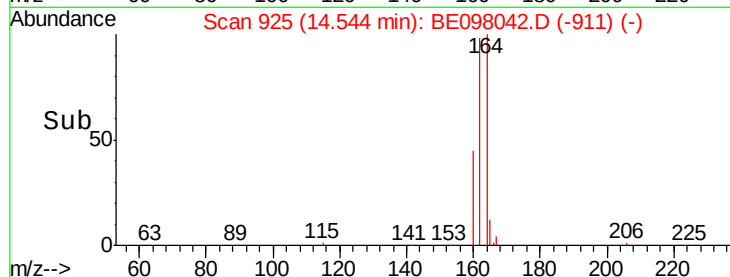
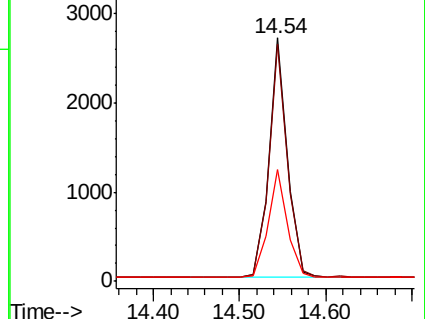
160 45.8 36.5 54.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.293 ng

RT: 16.03 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

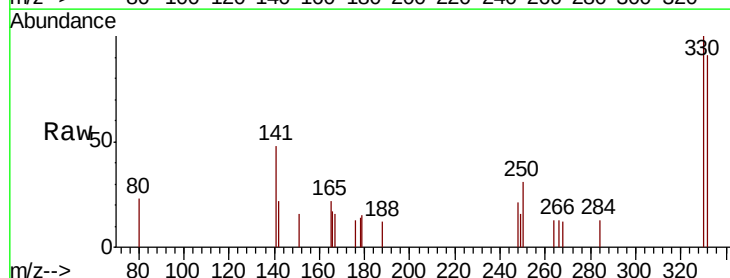
Tgt Ion:330 Resp: 592

Ion Ratio Lower Upper

330 100

332 93.4 76.5 114.7

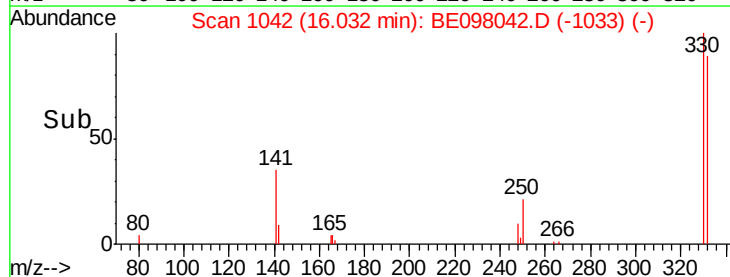
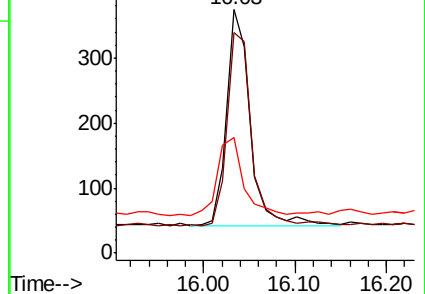
141 39.7 31.8 47.6

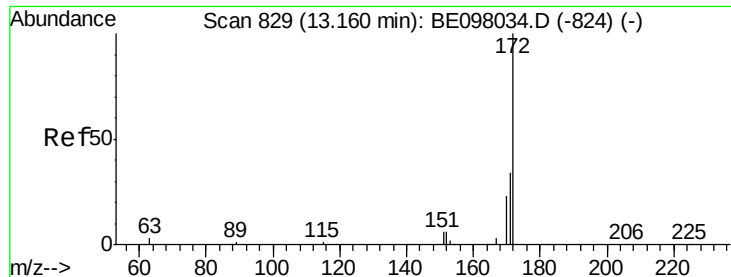


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

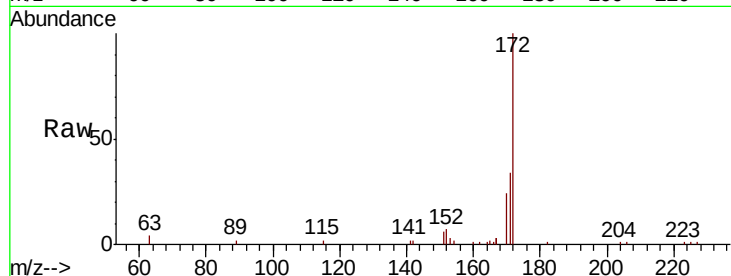




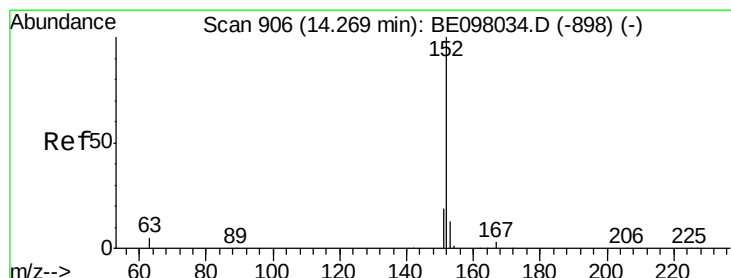
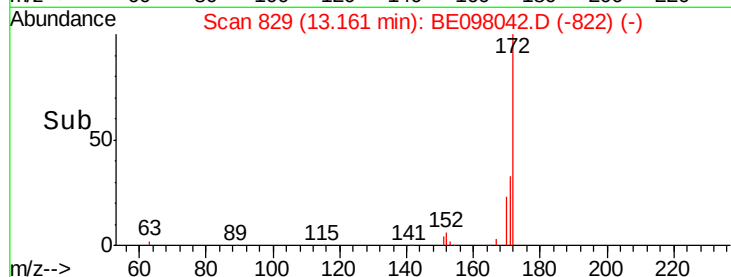
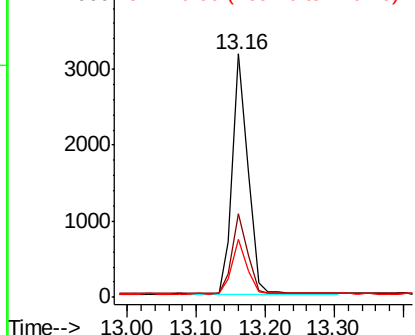
#15
2-Fluorobiphenyl
Concen: 0.303 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

Tot Ion:172 Resp: 4911
Ion Ratio Lower Upper
172 100
171 34.3 26.0 39.0
170 23.9 18.0 27.0

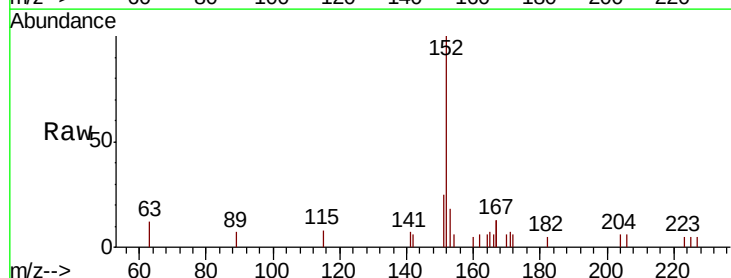


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

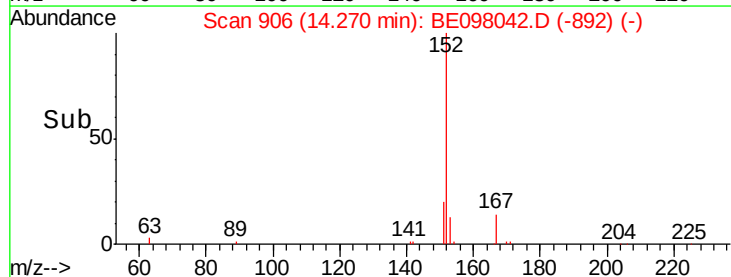
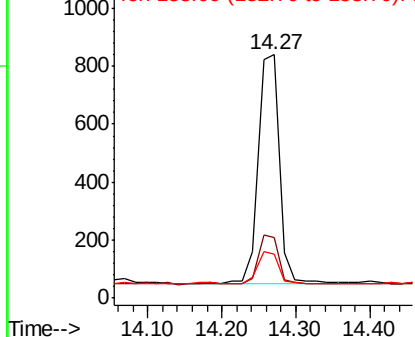


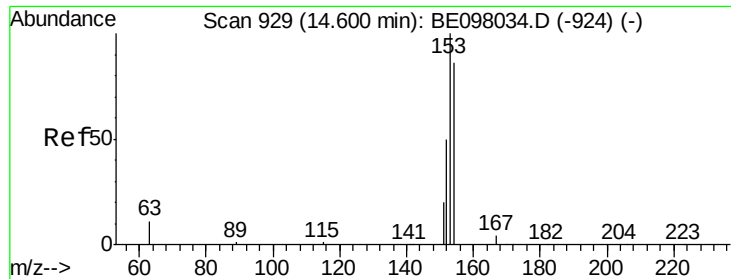
#16
Acenaphthylene
Concen: 0.089 ng
RT: 14.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

Tgt Ion:152 Resp: 1616
Ion Ratio Lower Upper
152 100
151 20.6 16.1 24.1
153 13.6 10.9 16.3



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

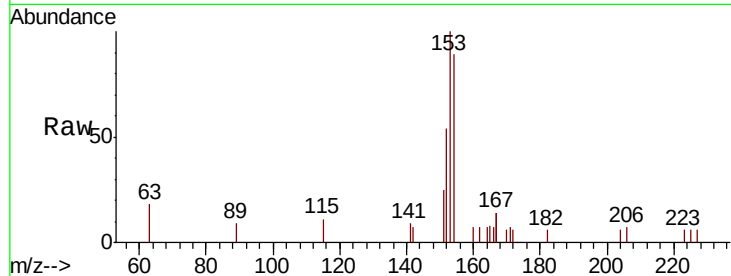




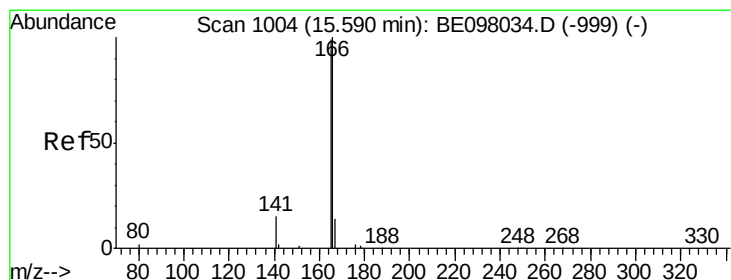
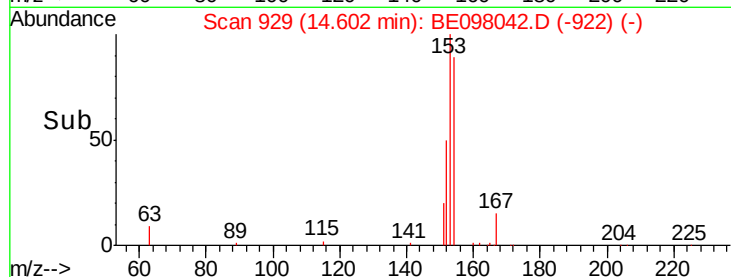
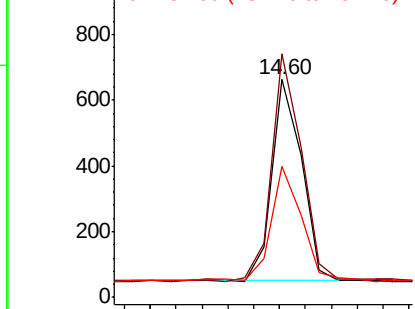
#17
Acenaphthene
Concen: 0.090 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

Tot Ion:154 Resp: 982
Ion Ratio Lower Upper
154 100
153 111.6 92.6 139.0
152 57.5 45.5 68.3

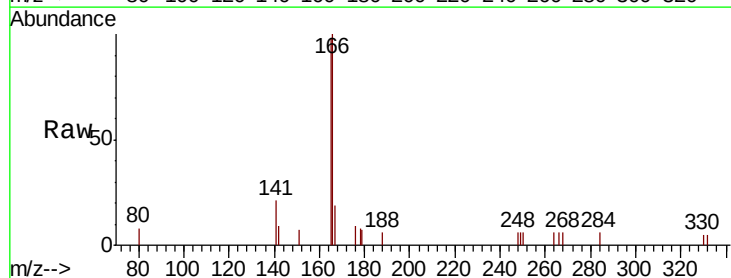


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

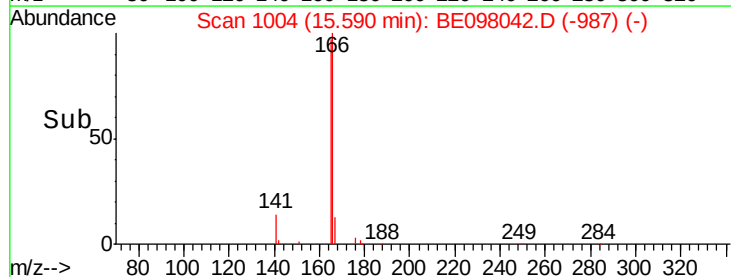
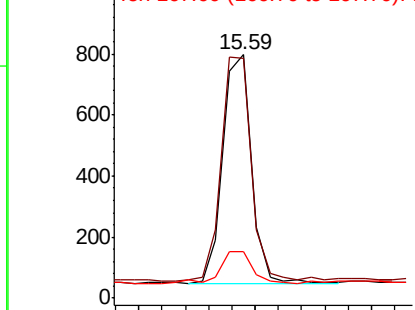


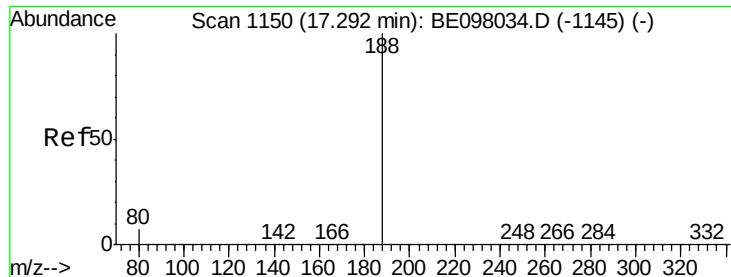
#18
Fluorene
Concen: 0.087 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

Tgt Ion:166 Resp: 1281
Ion Ratio Lower Upper
166 100
165 102.1 78.2 117.4
167 15.8 11.0 16.6



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: 17.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

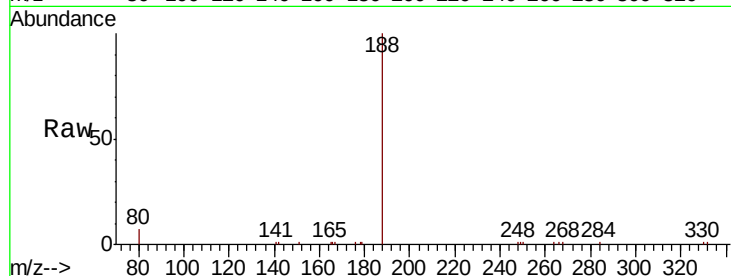
Tot Ion:188 Resp: 9543

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

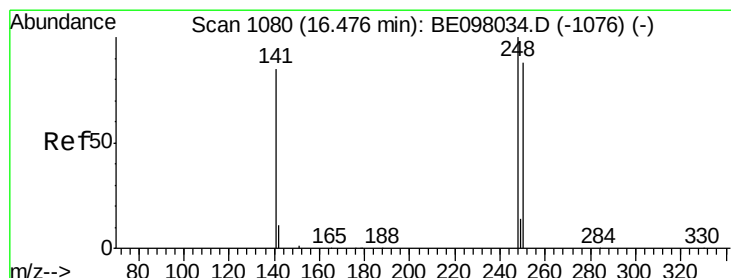
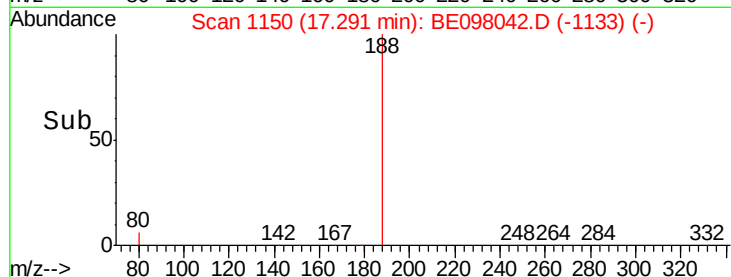
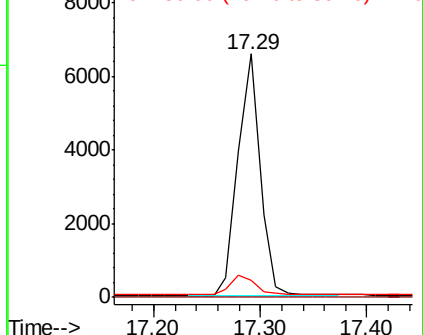
80 7.0 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.089 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

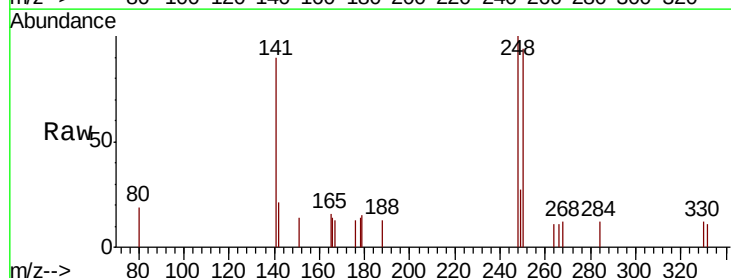
Tgt Ion:248 Resp: 510

Ion Ratio Lower Upper

248 100

250 93.7 75.1 112.7

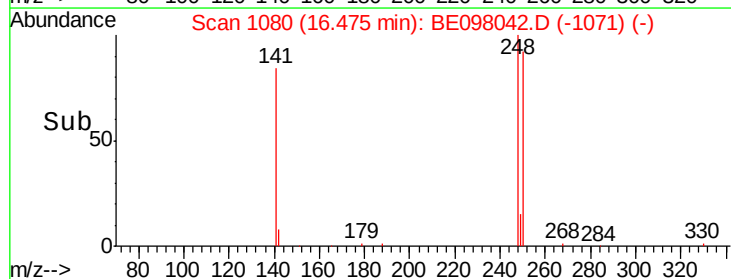
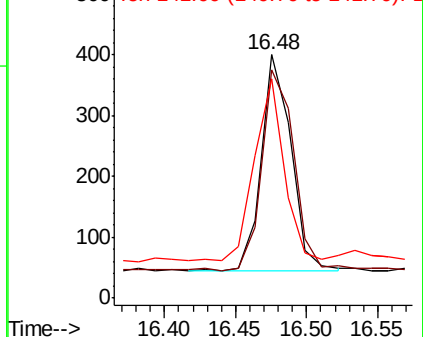
141 90.0 51.8 77.8#

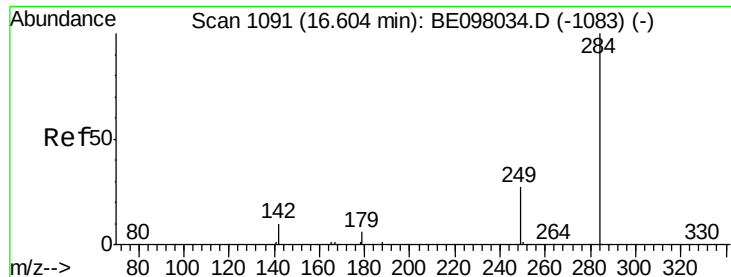


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

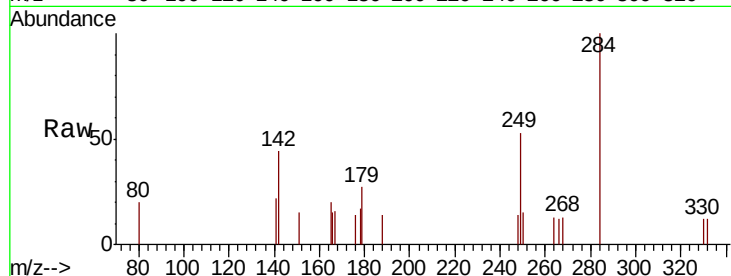




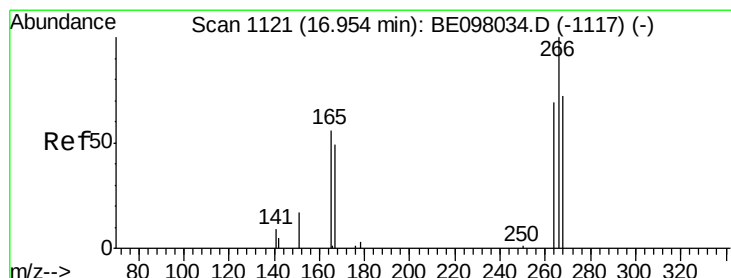
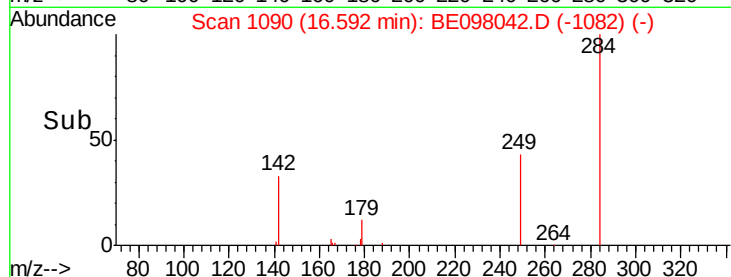
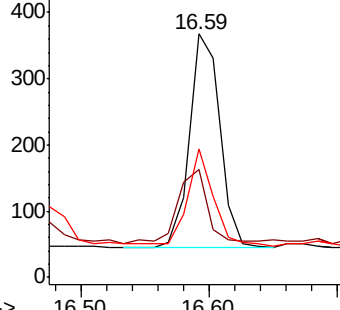
#21
Hexachlorobenzene
Concen: 0.089 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

Tot Ion:284 Resp: 536
Ion Ratio Lower Upper
284 100
142 33.6 25.9 38.9
249 37.9 26.6 40.0

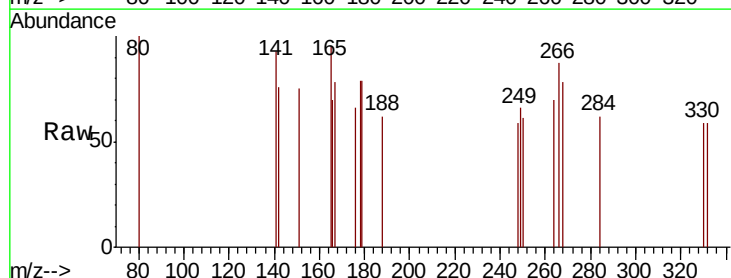


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

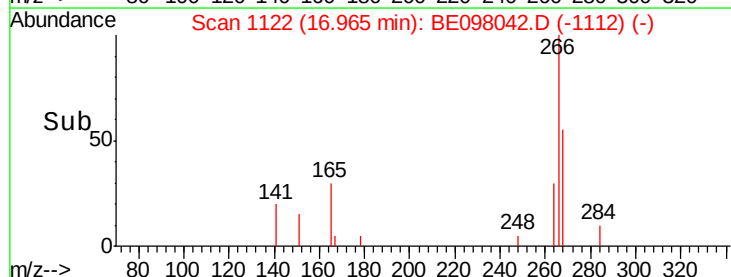
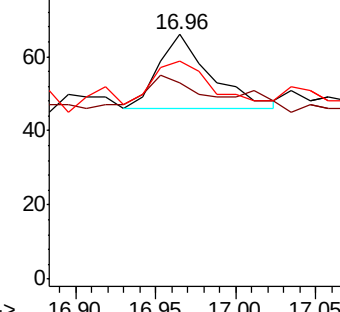


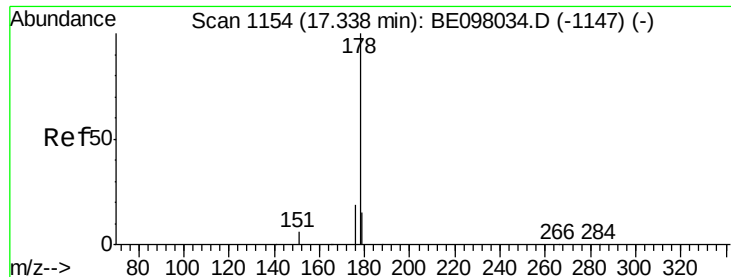
#22
Pentachlorophenol
Concen: 0.090 ng
RT: 16.96 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

Tgt Ion:266 Resp: 45
Ion Ratio Lower Upper
266 100
264 80.3 51.3 76.9#
268 89.4 50.1 75.1#



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: 0.089 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

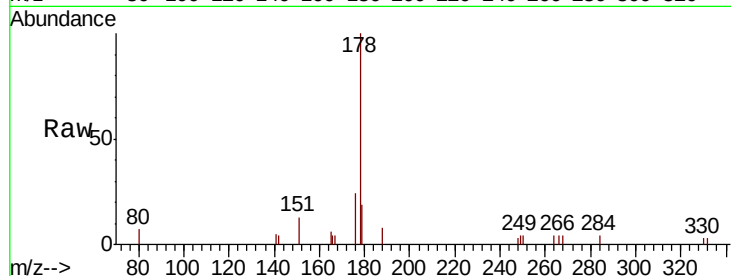
Tot Ion:178 Resp: 2088

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

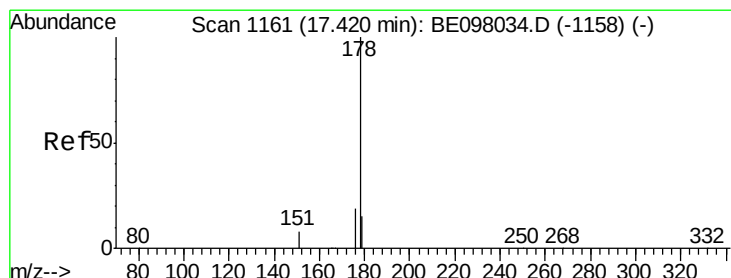
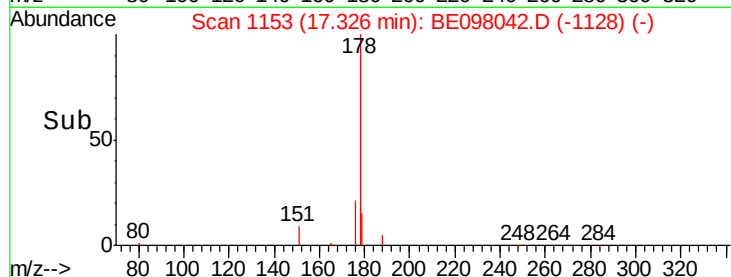
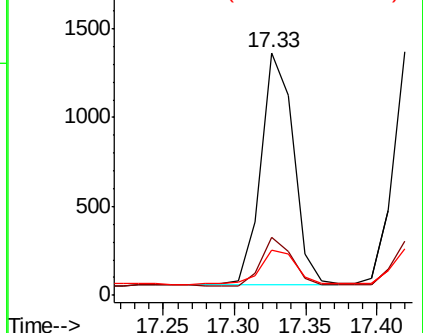
179 16.4 12.2 18.4



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



#24

Anthracene

Concen: 0.088 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

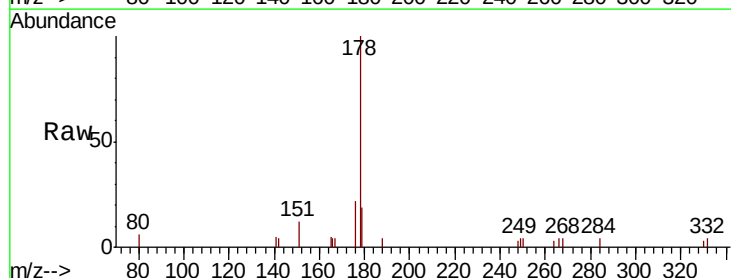
Tgt Ion:178 Resp: 2029

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

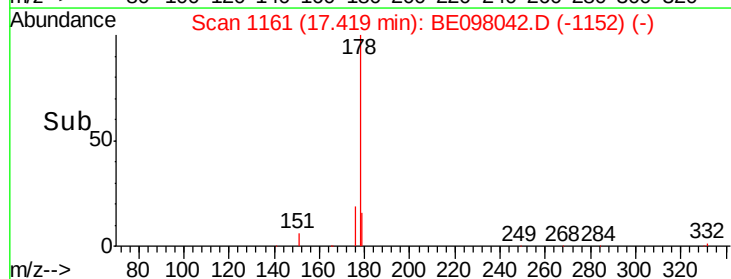
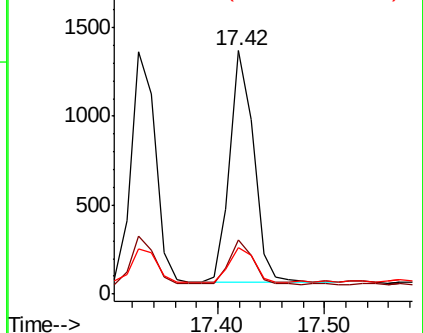
179 15.8 11.9 17.9

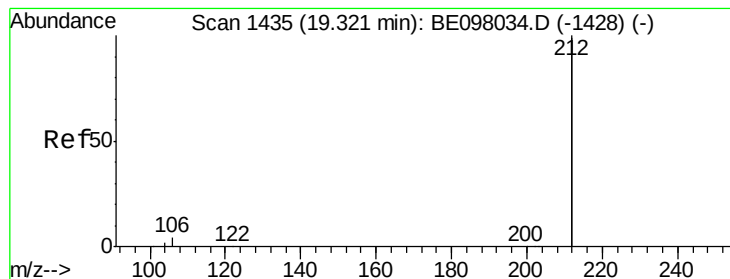


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.303 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

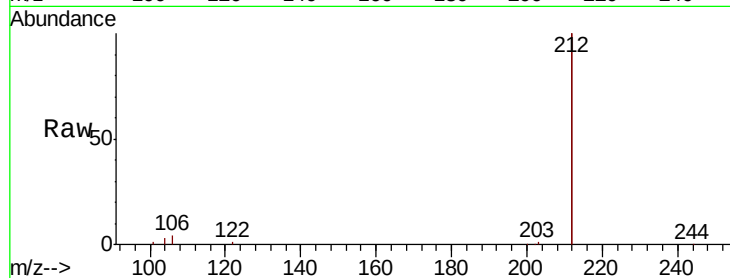
Tot Ion:212 Resp: 37120

Ion Ratio Lower Upper

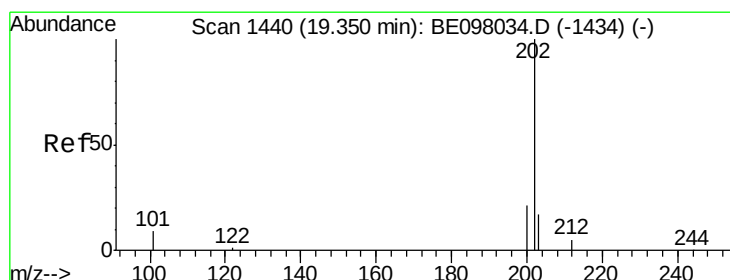
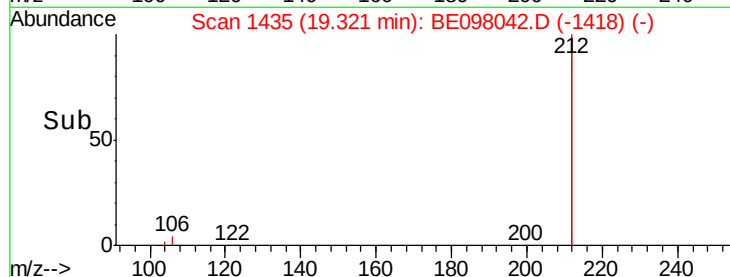
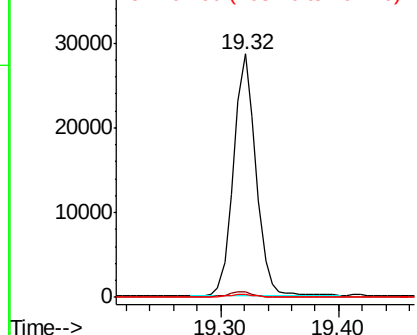
212 100

106 2.1 2.3 3.5#

104 1.1 1.3 1.9#



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: 0.090 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

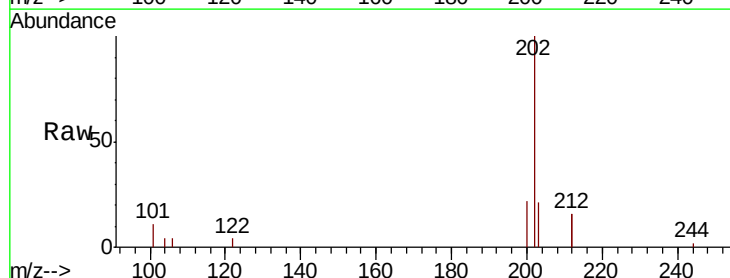
Tgt Ion:202 Resp: 2639

Ion Ratio Lower Upper

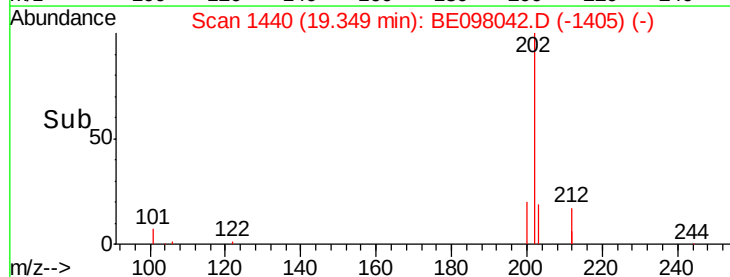
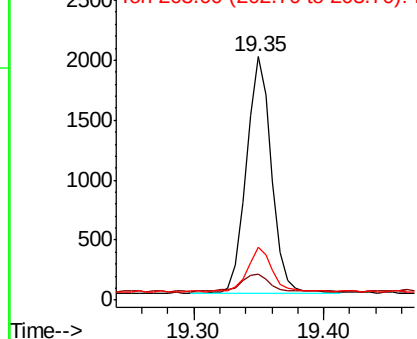
202 100

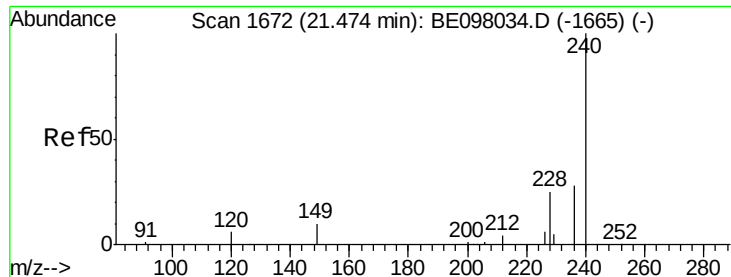
101 8.9 8.2 12.2

203 18.3 15.0 22.4



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: 21.47 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

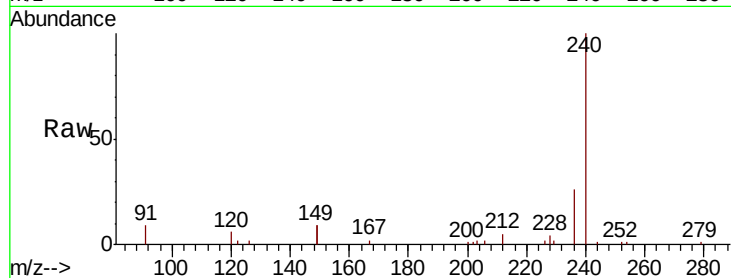
Tot Ion:240 Resp: 11190

Ion Ratio Lower Upper

240 100

120 5.8 7.1 10.7#

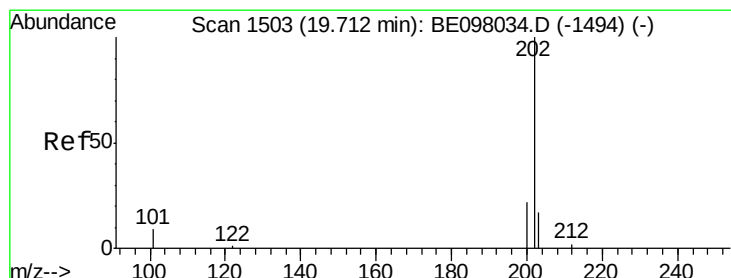
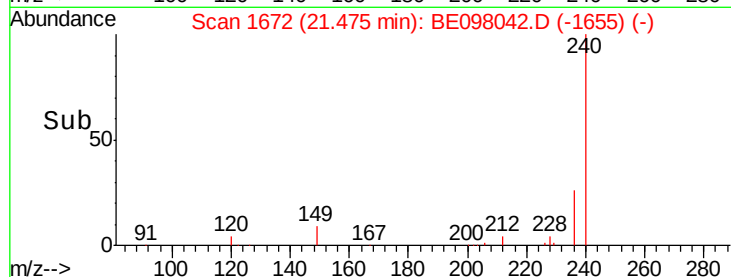
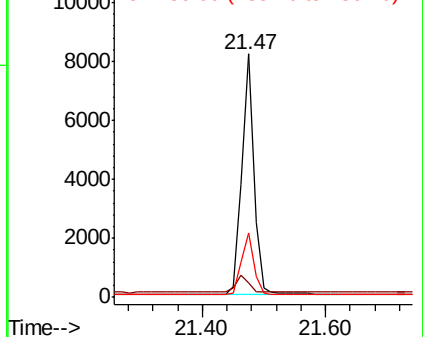
236 26.5 21.3 31.9



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: 0.091 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

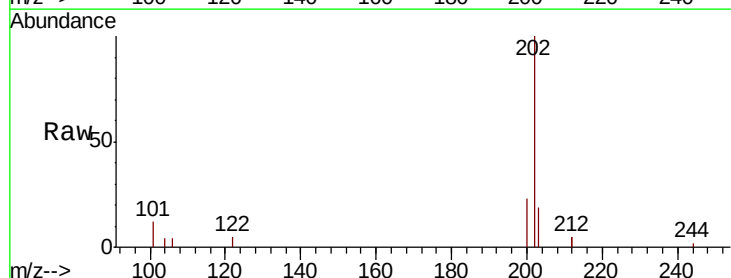
Tgt Ion:202 Resp: 2817

Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

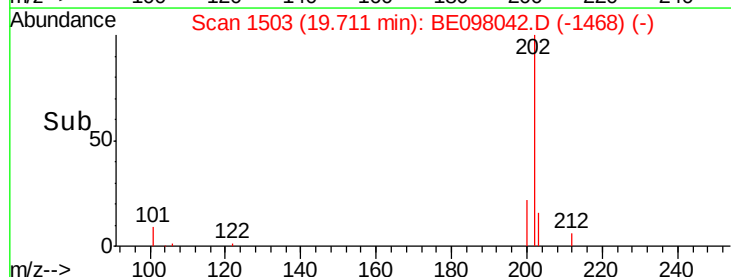
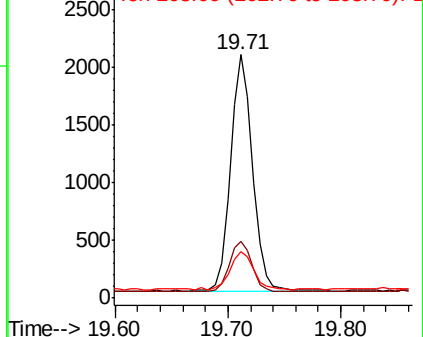
203 18.0 14.2 21.4

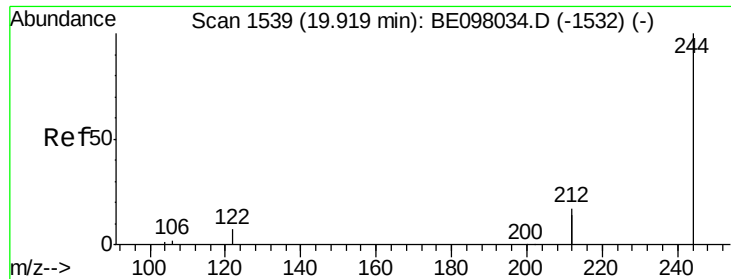


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.291 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

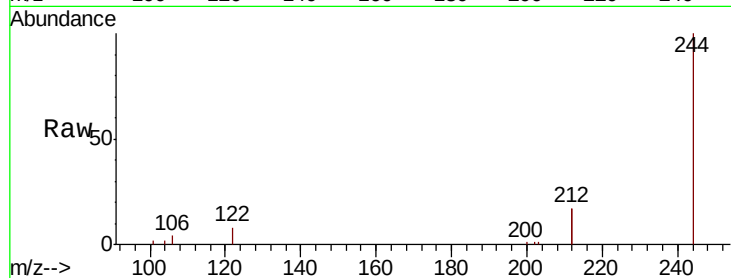
Tot Ion:244 Resp: 7676

Ion Ratio Lower Upper

244 100

212 34.8 26.2 39.2

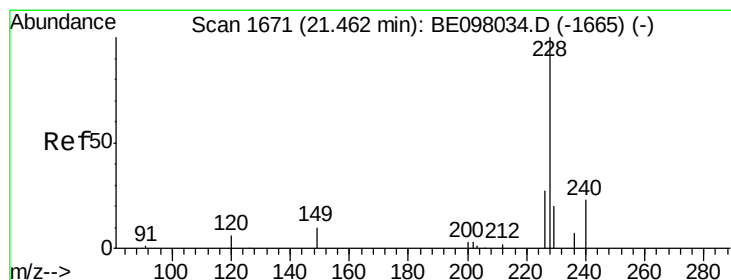
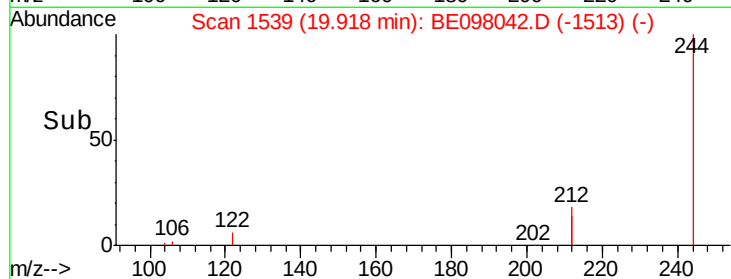
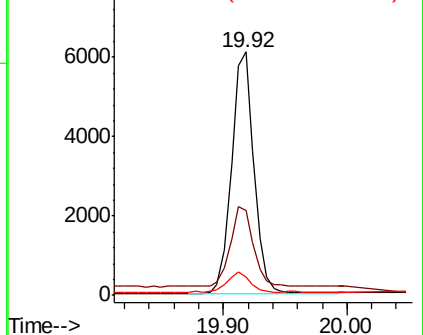
122 7.7 7.7 11.5#



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: 0.092 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

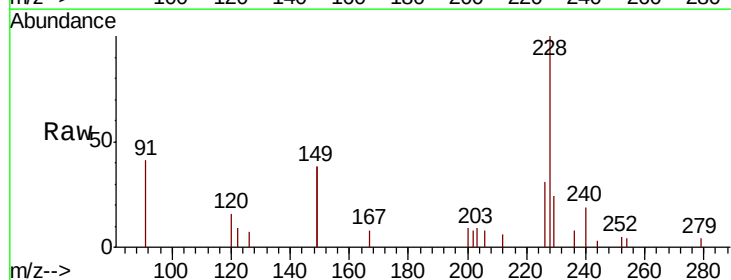
Tgt Ion:228 Resp: 3048

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

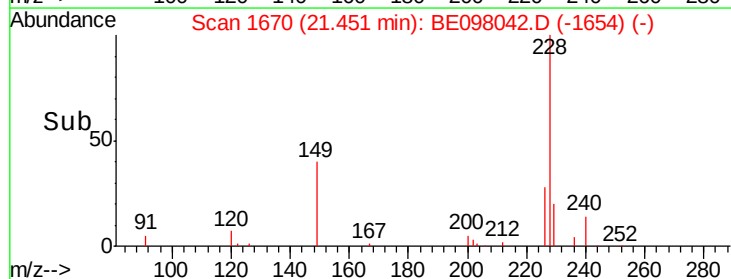
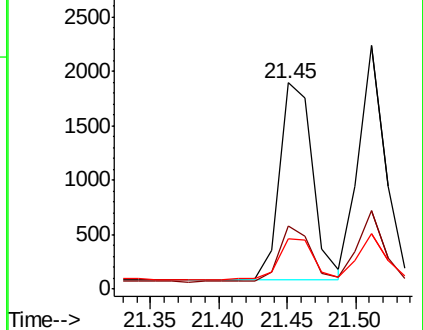
229 24.4 16.9 25.3

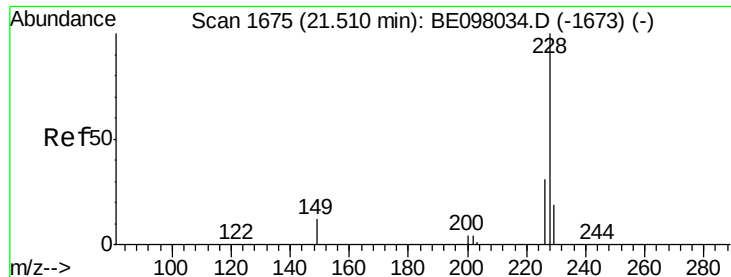


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.090 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

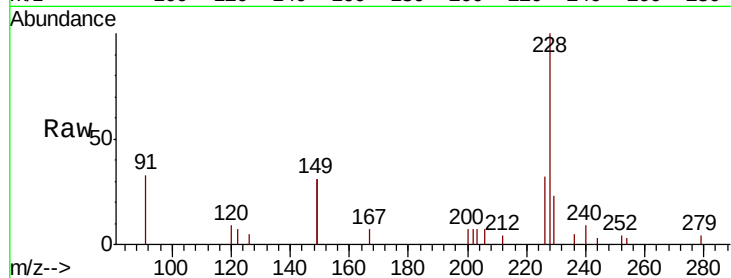
Tot Ion:228 Resp: 2897

Ion Ratio Lower Upper

228 100

226 32.4 24.3 36.5

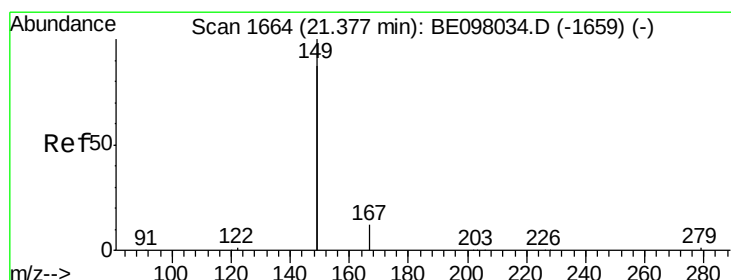
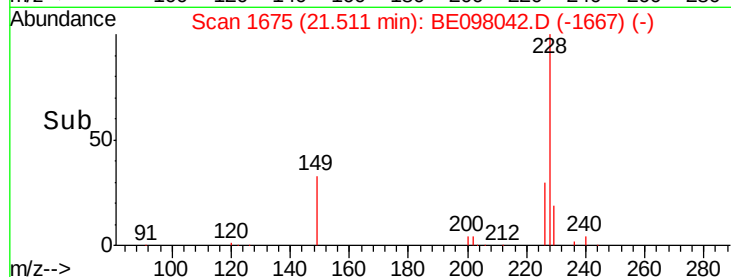
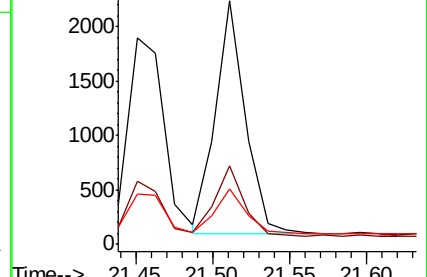
229 22.9 17.3 25.9



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: 0.097 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

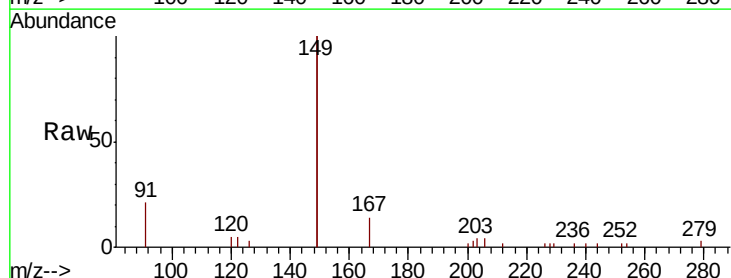
Tgt Ion:149 Resp: 7614

Ion Ratio Lower Upper

149 100

167 8.1 5.6 8.4

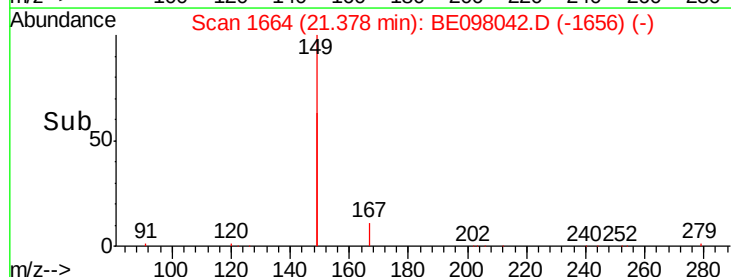
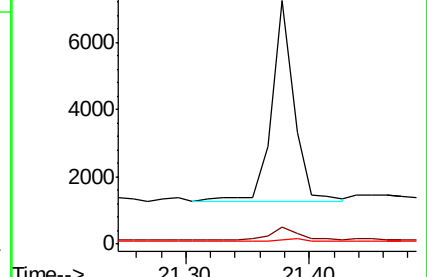
279 1.3 0.9 1.3#

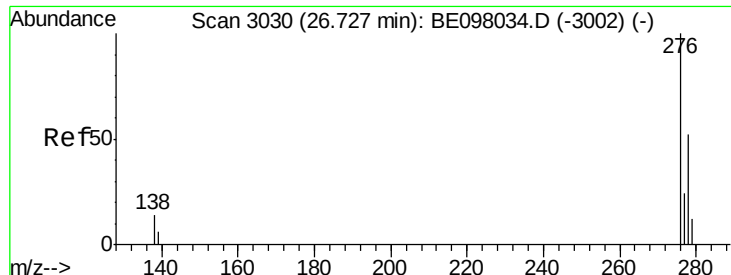


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

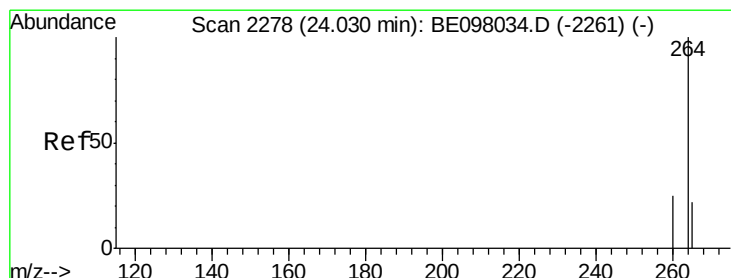
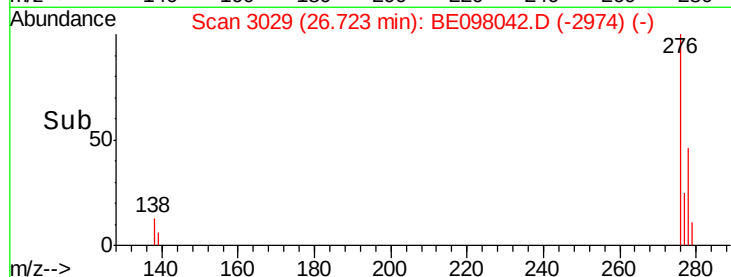
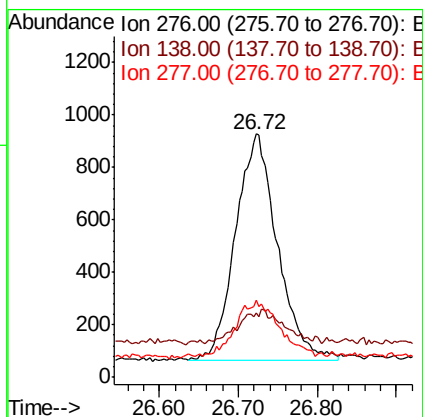
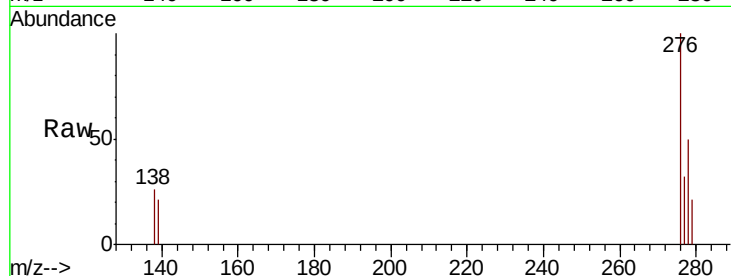




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.091 ng
 RT: 26.72 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: BE098042.D
 Acq: 24 Oct 2018 17:21

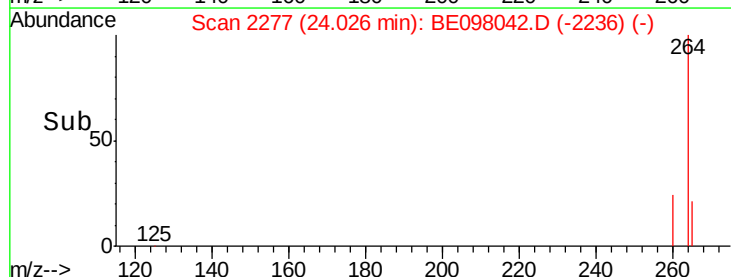
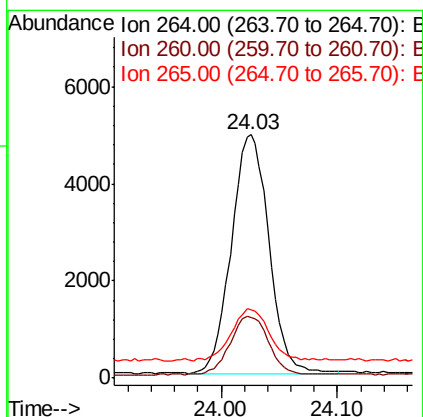
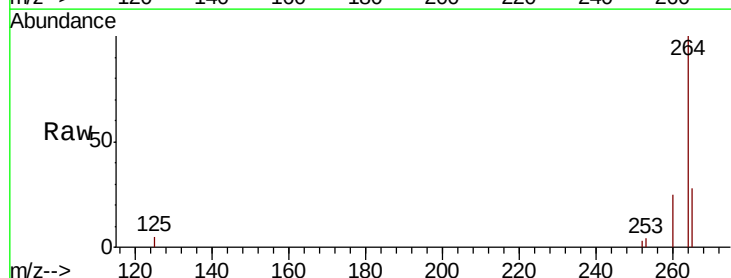
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

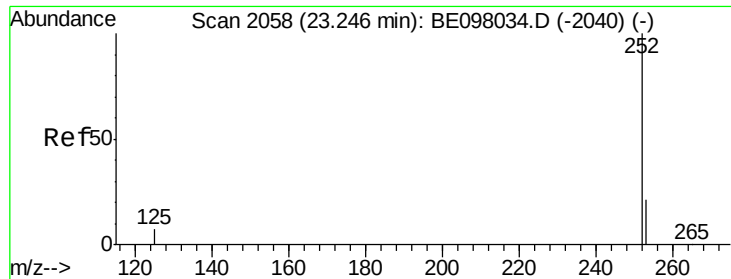
Tot Ion:276 Resp: 3188
 Ion Ratio Lower Upper
 276 100
 138 6.0 17.0 25.6#
 277 8.4 20.5 30.7#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.03 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BE098042.D
 Acq: 24 Oct 2018 17:21

Tgt Ion:264 Resp: 10985
 Ion Ratio Lower Upper
 264 100
 260 25.0 21.1 31.7
 265 28.3 29.2 43.8#

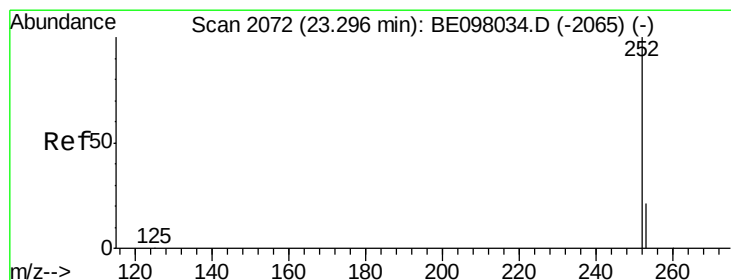
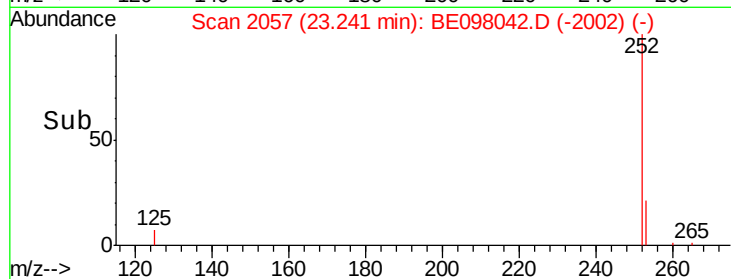
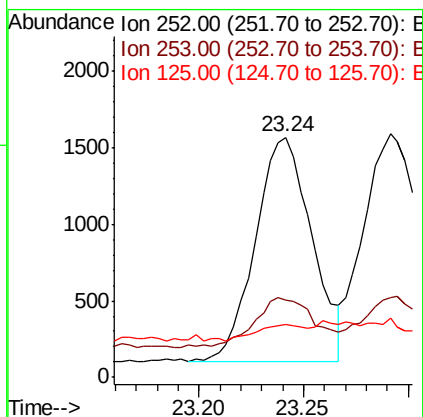
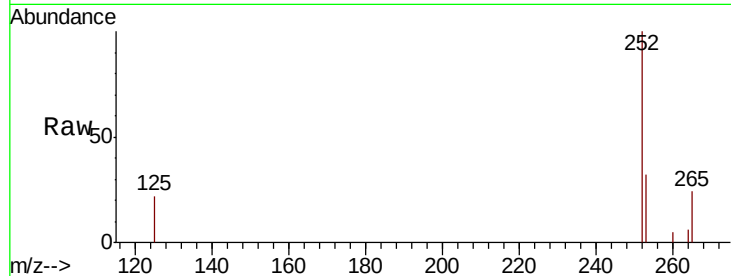




#35
Benzo(b)fluoranthene
Concen: 0.090 ng
RT: 23.24 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

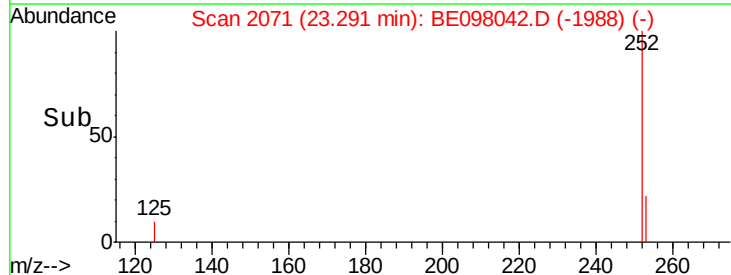
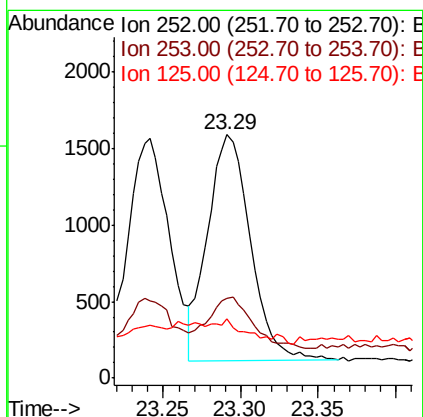
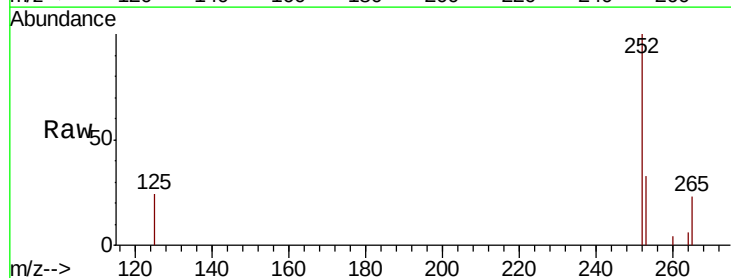
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

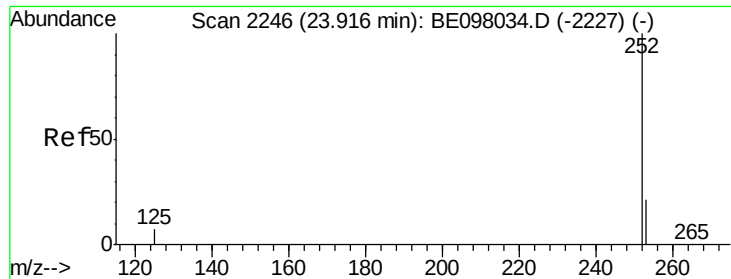
Tot Ion:252 Resp: 2753
Ion Ratio Lower Upper
252 100
253 32.1 20.6 31.0#
125 22.0 14.3 21.5#



#36
Benzo(k)fluoranthene
Concen: 0.090 ng
RT: 23.29 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

Tgt Ion:252 Resp: 2862
Ion Ratio Lower Upper
252 100
253 32.7 20.4 30.6#
125 24.4 14.6 21.8#





#37

Benzo(a)pyrene

Concen: 0.092 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

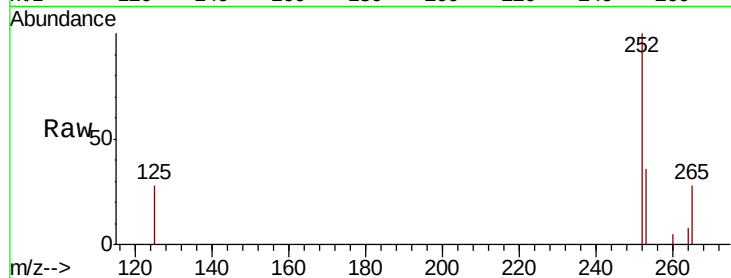
Tot Ion:252 Resp: 2770

Ion Ratio Lower Upper

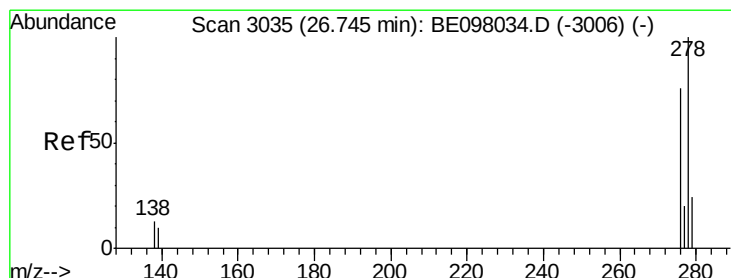
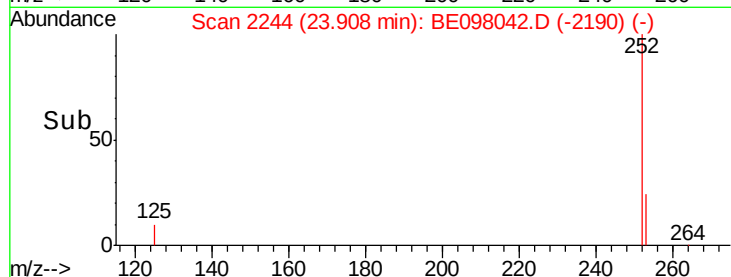
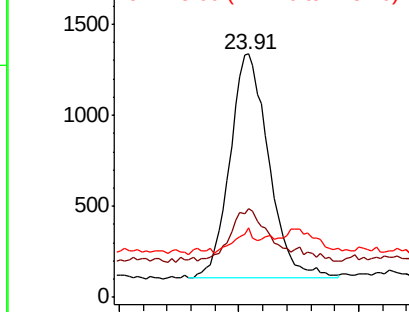
252 100

253 36.4 20.6 31.0#

125 28.3 15.6 23.4#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.090 ng

RT: 26.75 min Scan# 3036

Delta R.T. 0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

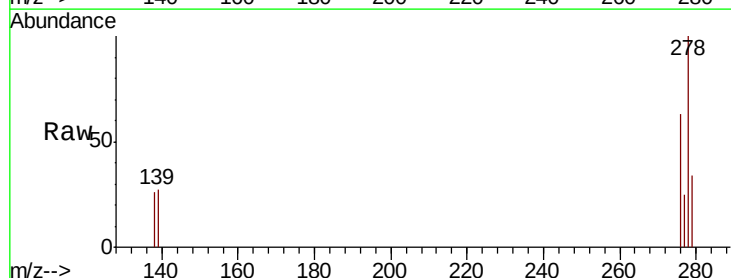
Tgt Ion:278 Resp: 2630

Ion Ratio Lower Upper

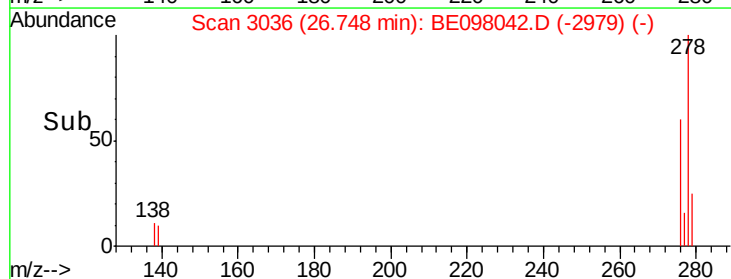
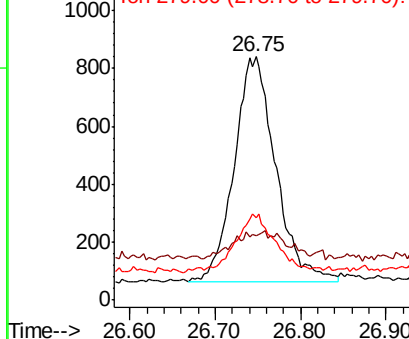
278 100

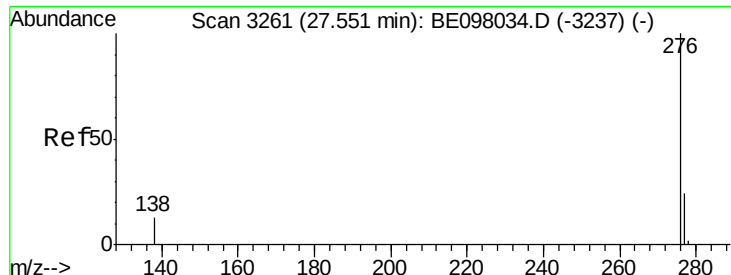
139 26.5 16.3 24.5#

279 34.0 21.4 32.2#



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(a,h,i)perylene

Concen: 0.089 ng

RT: 27.54 min Scan# 3259

Delta R.T. -0.01 min

Lab File: BE098042.D

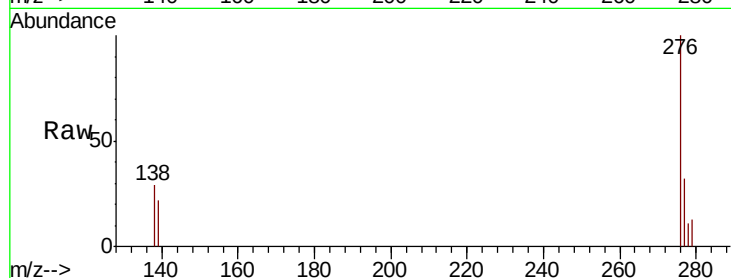
Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

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Tot Ion: 276 Resp: 2577

Ion Ratio Lower Upper

276 100

277 31.5 22.1 33.1

138 29.5 19.3 28.9#

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

