

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

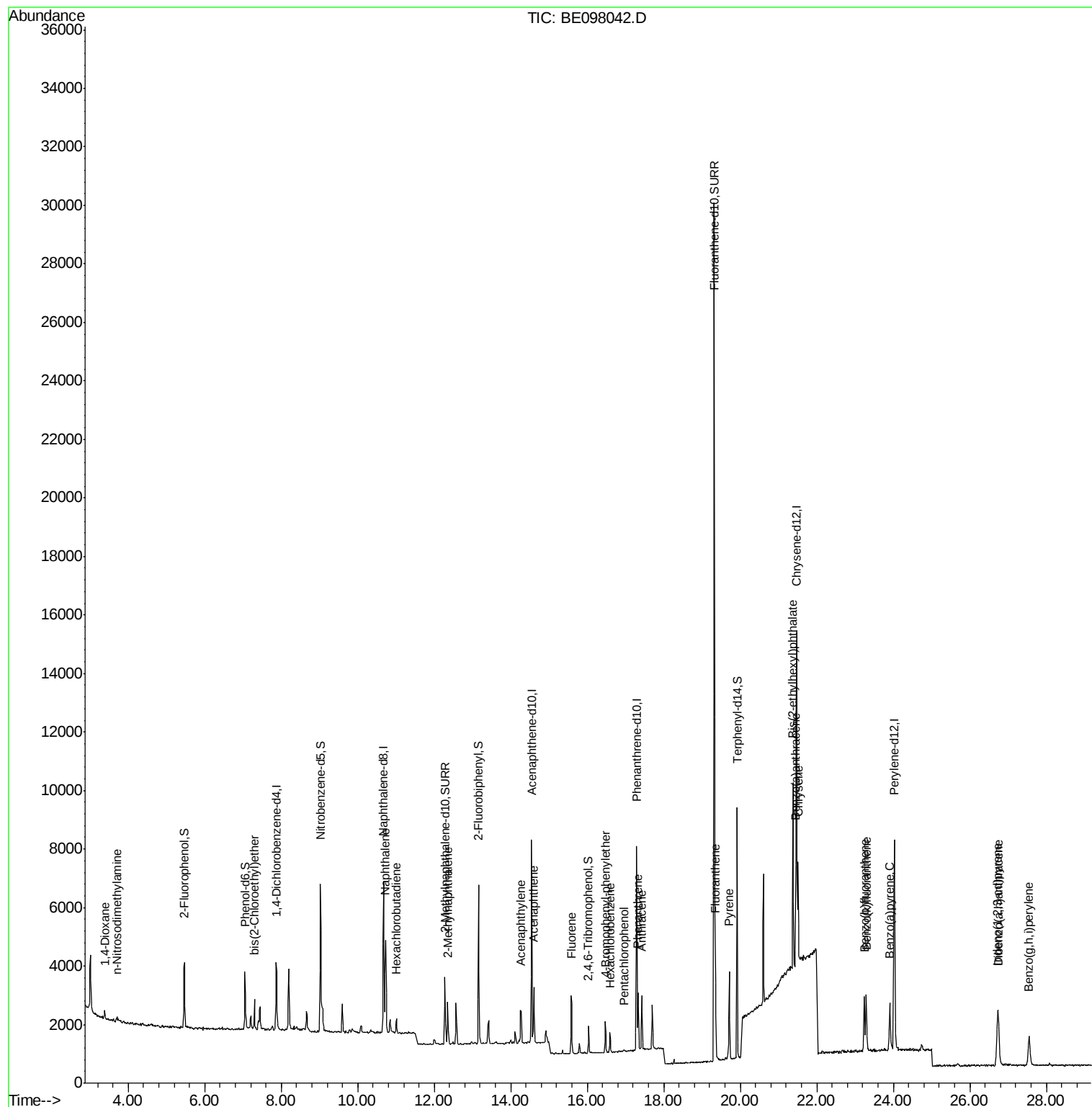
						Qvalue
2) 1,4-Dioxane	3.38	88	210	0.125	ng	88
3) n-Nitrosodimethylamine	3.70	42	234	0.105	ng	# 70
6) bis(2-Chloroethyl)ether	7.30	93	381	0.099	ng	95
9) Naphthalene	10.73	128	5010	0.091	ng	# 97
10) Hexachlorobutadiene	11.02	225	362	0.097	ng	94
12) 2-Methylnaphthalene	12.35	142	890	0.090	ng	# 87
16) Acenaphthylene	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

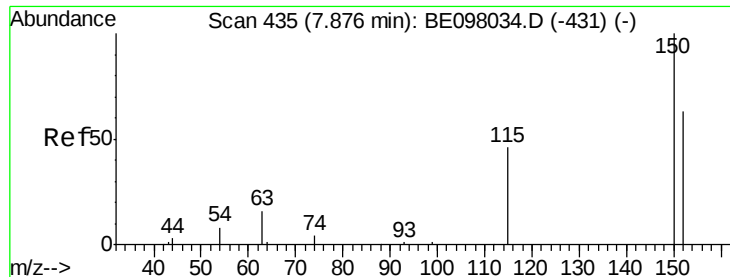
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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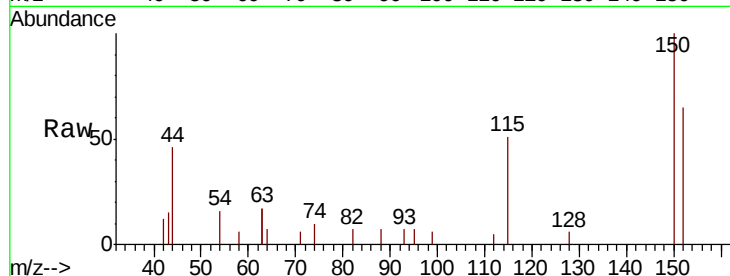


#1

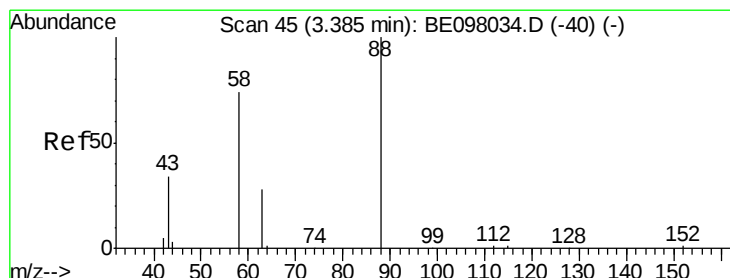
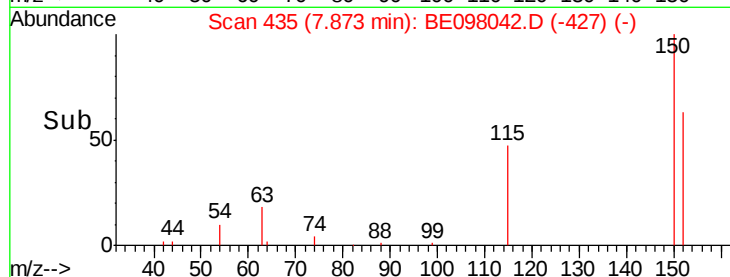
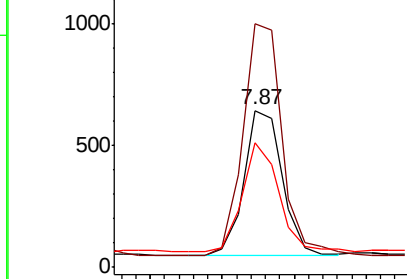
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

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



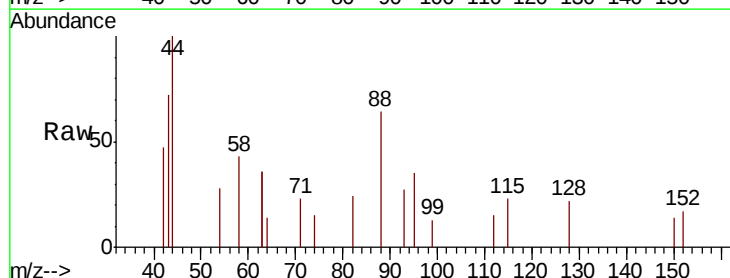
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



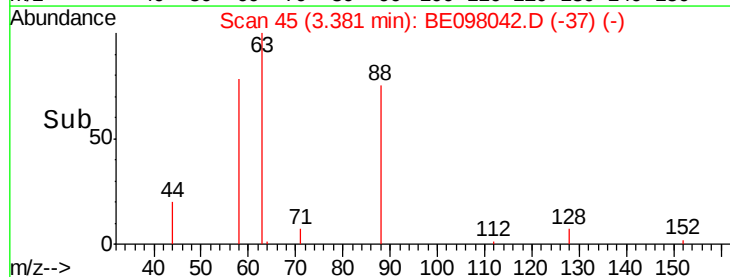
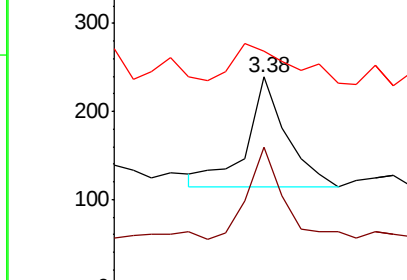
#2

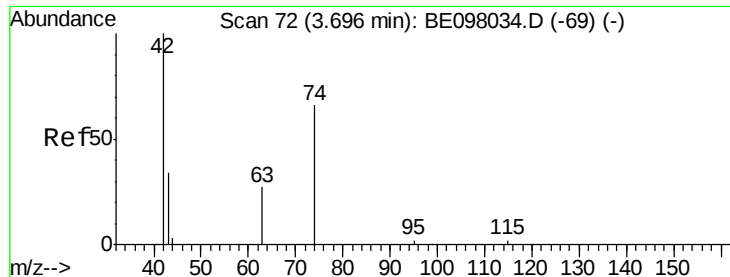
1,4-Dioxane
Concen: 0.125 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

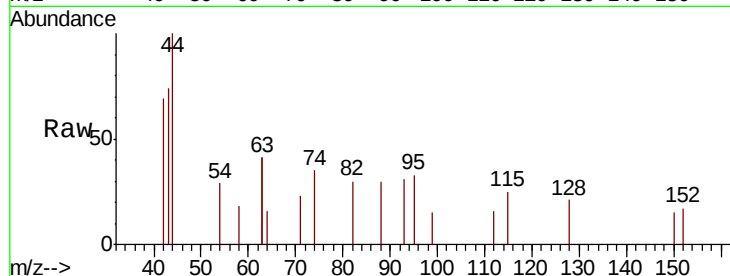
Tgt Ion: 42 Resp: 234

Ion Ratio Lower Upper

42 100

74 66.7 77.6 116.4#

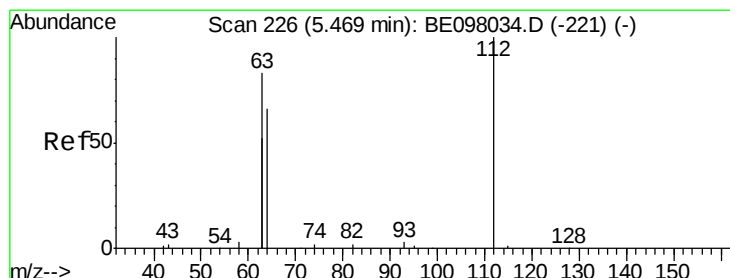
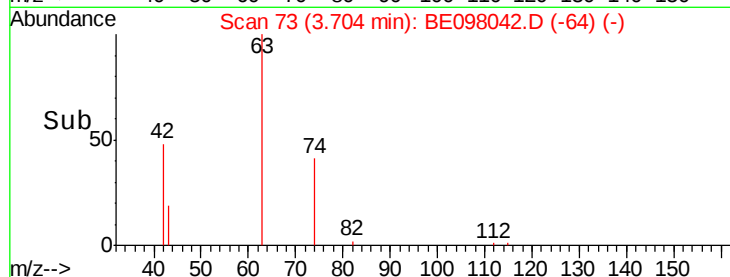
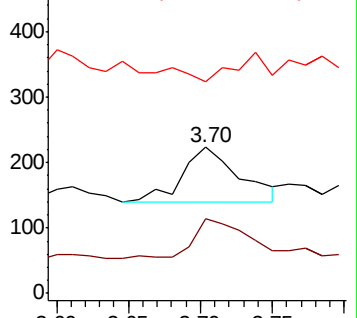
44 0.0 7.6 11.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#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

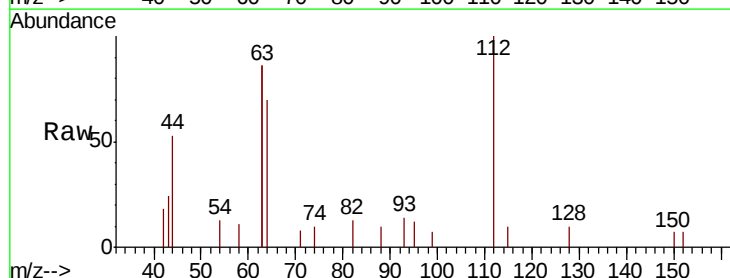
Tgt Ion: 112 Resp: 1162

Ion Ratio Lower Upper

112 100

64 74.8 58.9 88.3

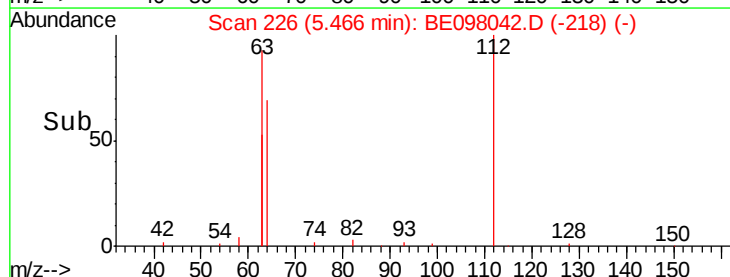
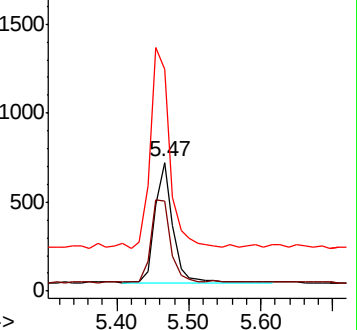
63 174.4 120.3 180.5

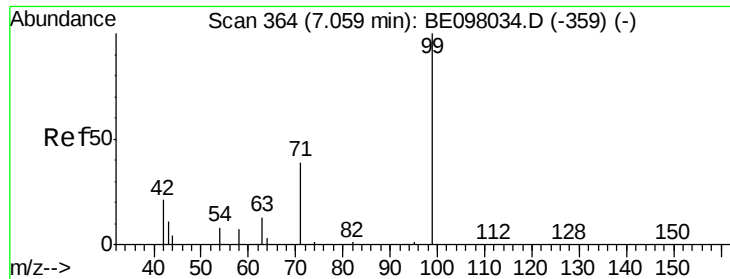


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#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

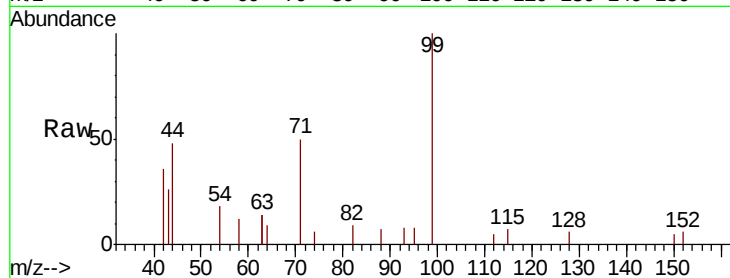
Tgt Ion: 99 Resp: 1784

Ion Ratio Lower Upper

99 100

42 33.1 19.9 29.9#

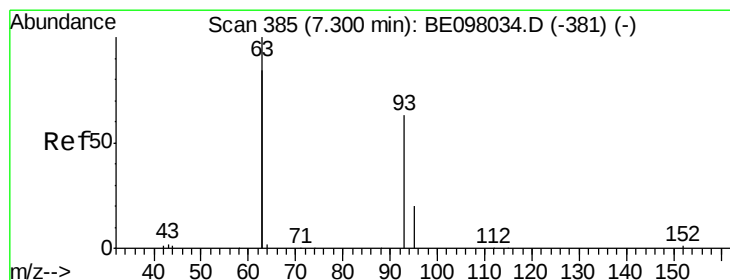
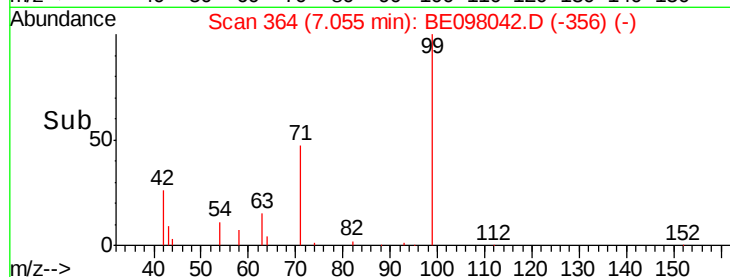
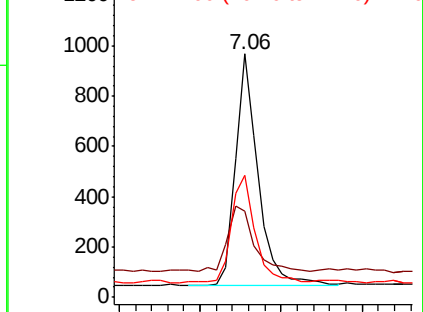
71 50.4 27.8 41.8#



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

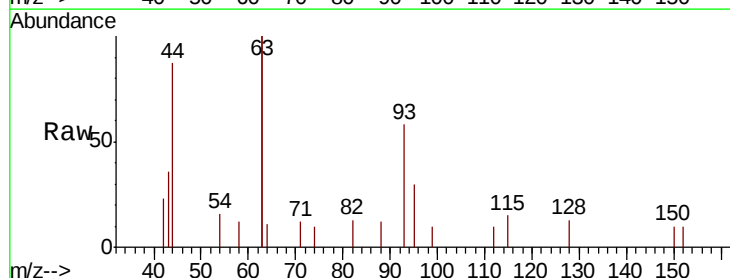
Tgt Ion: 93 Resp: 381

Ion Ratio Lower Upper

93 100

63 314.2 259.0 388.4

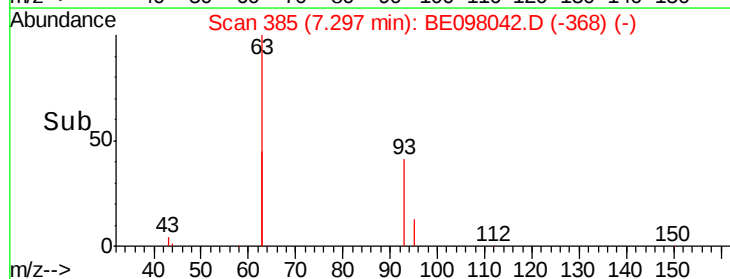
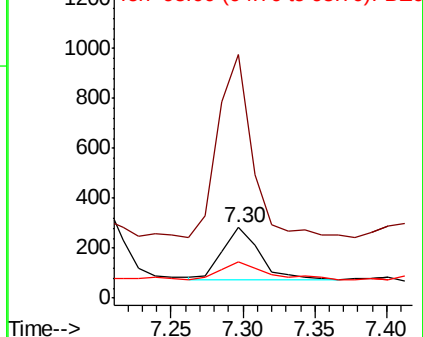
95 41.7 27.8 41.8

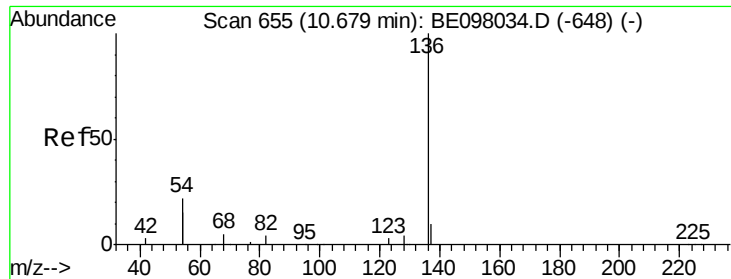


Abundance Ion 93.00 (92.70 to 93.70): BE0

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

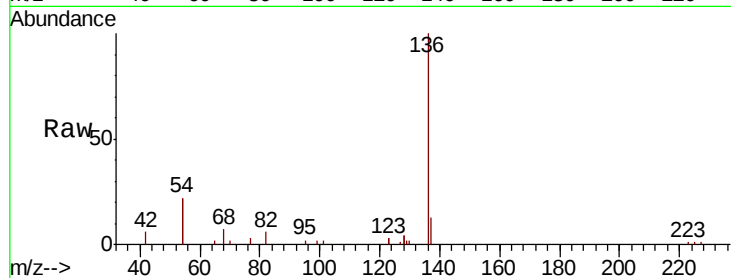
Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

Tgt 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

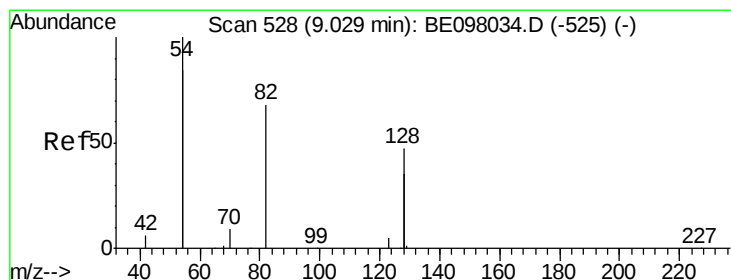
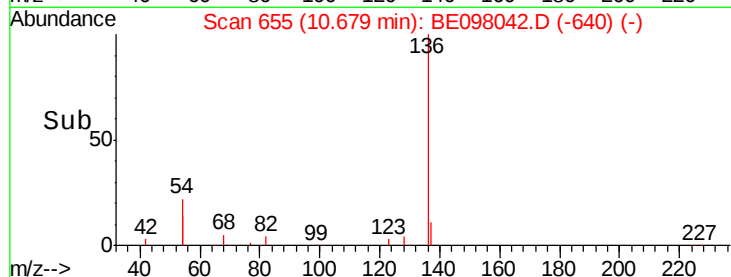
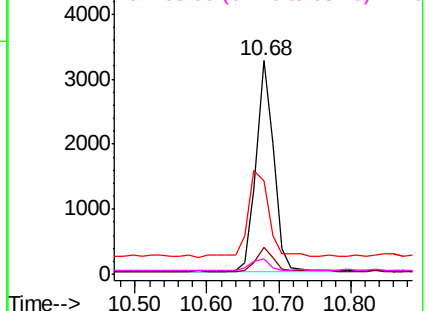


Abundance Ion 136.00 (135.70 to 136.70): E

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

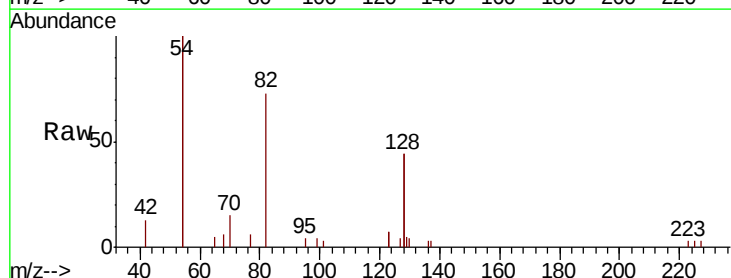
RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

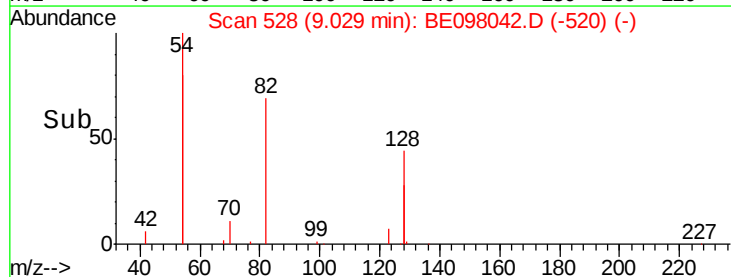
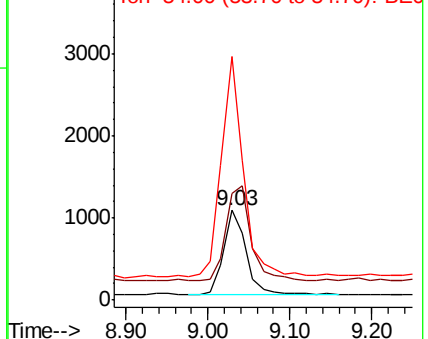
Tgt Ion:	82	Resp:	1969
Ion	Ratio	Lower	Upper
82	100		
128	119.1	129.9	194.9#
54	272.1	174.0	261.0#

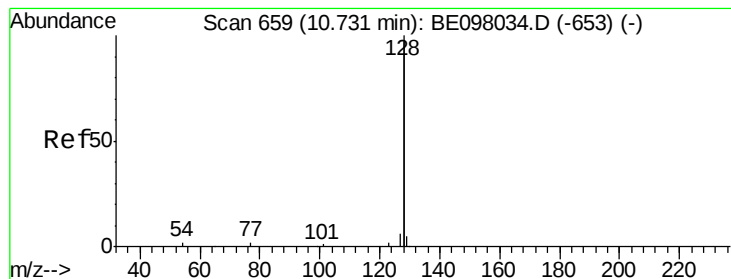


Abundance Ion 82.00 (81.70 to 82.70): BE0

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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ClientSampleId :

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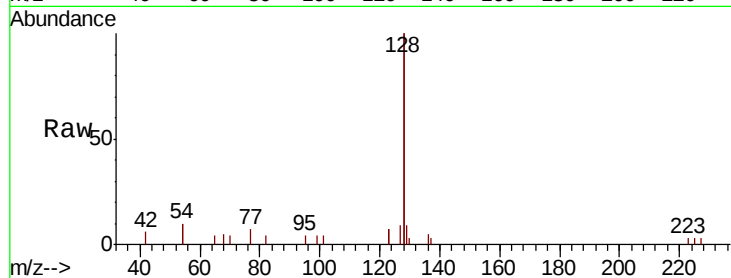
Tgt Ion:128 Resp: 5010

Ion Ratio Lower Upper

128 100

129 4.5 2.5 3.7#

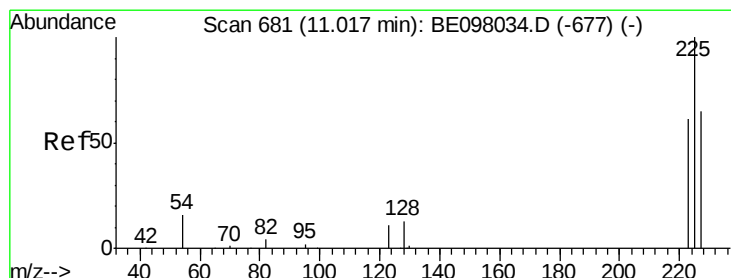
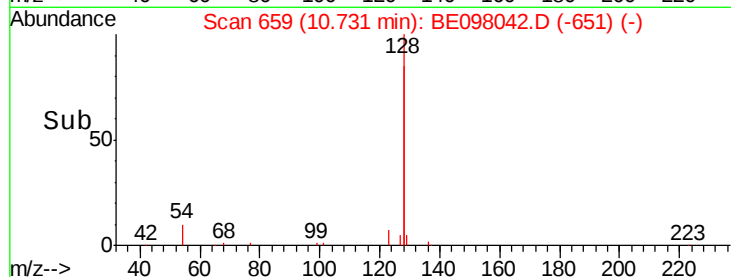
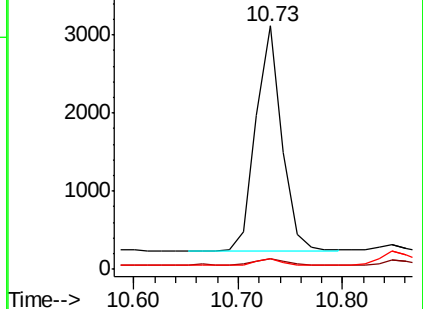
127 4.3 2.8 4.2#



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

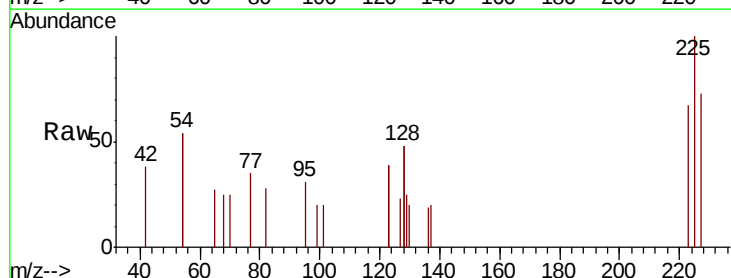
Tgt Ion:225 Resp: 362

Ion Ratio Lower Upper

225 100

223 58.3 51.8 77.8

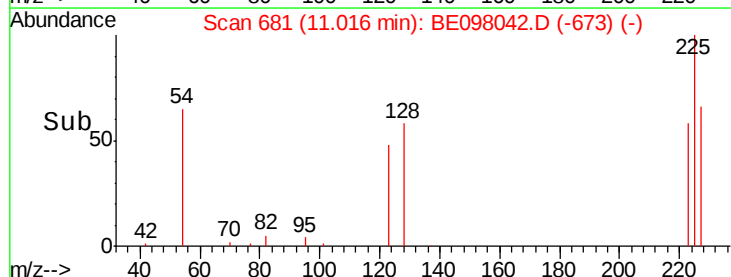
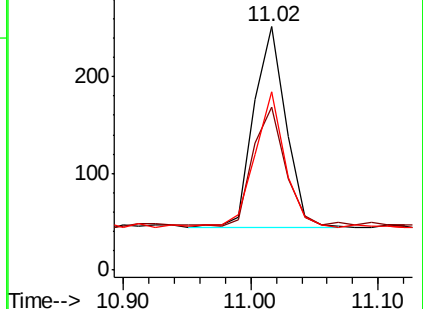
227 63.8 53.0 79.6

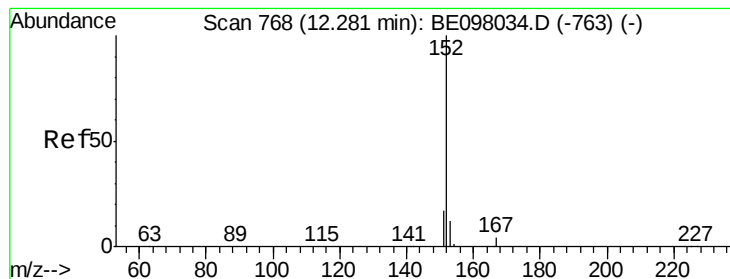


Abundance Ion 225.00 (224.70 to 225.70): E

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 :

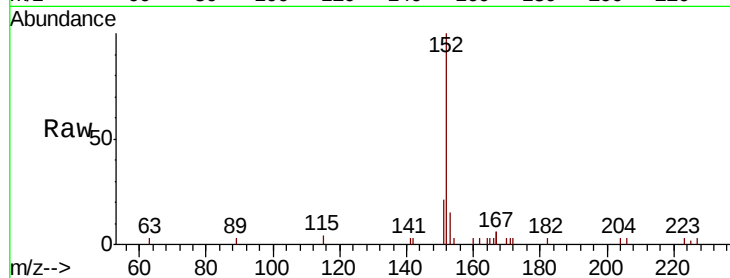
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:152 Resp: 2986

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

2000

1500

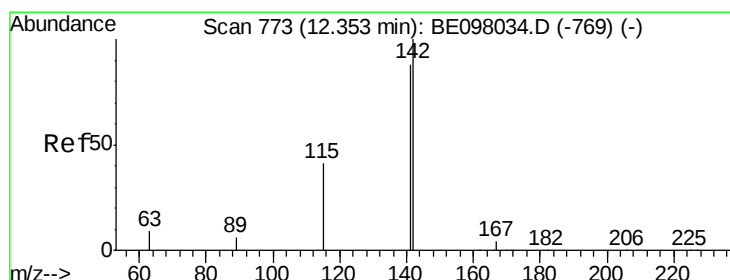
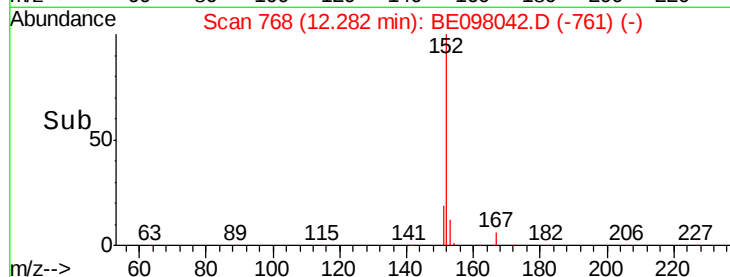
1000

500

0

12.20 12.30 12.40

Time-->



#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

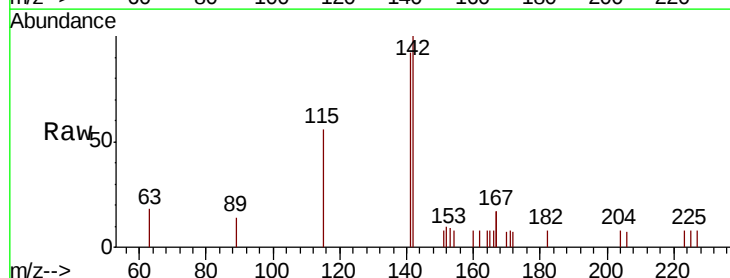
Tgt Ion:142 Resp: 890

Ion Ratio Lower Upper

142 100

141 92.3 69.8 104.6

115 55.9 30.5 45.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.35

800

600

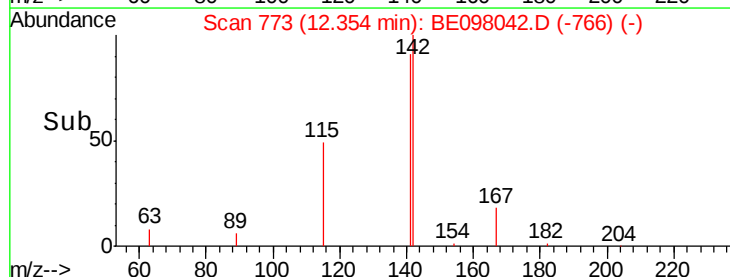
400

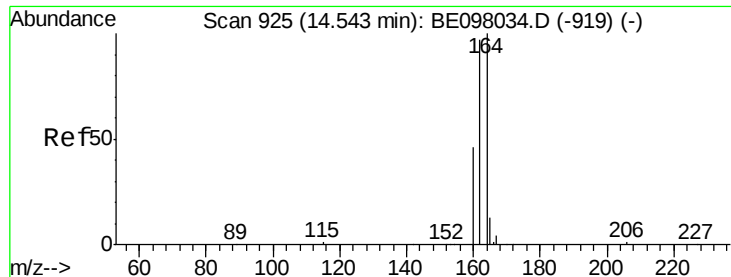
200

0

12.25 12.30 12.35 12.40

Time-->

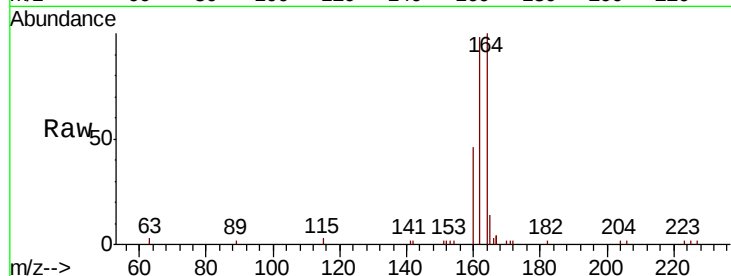




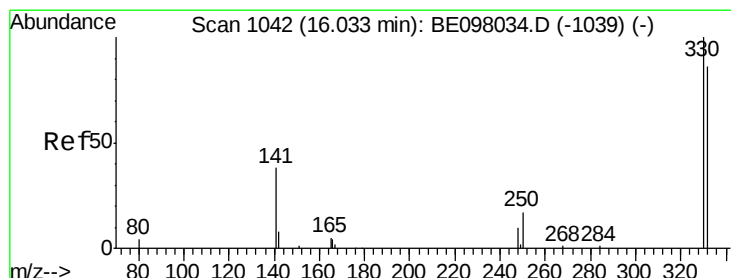
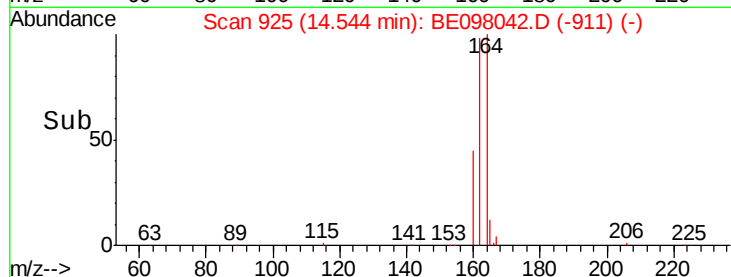
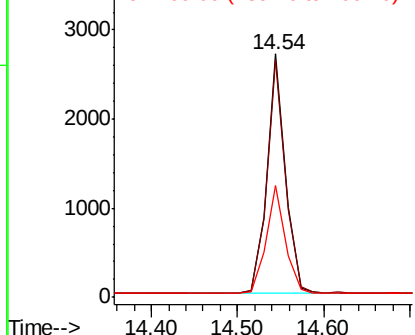
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

Tgt Ion:164 Resp: 4006
Ion Ratio Lower Upper
164 100
162 97.7 77.4 116.2
160 45.8 36.5 54.7

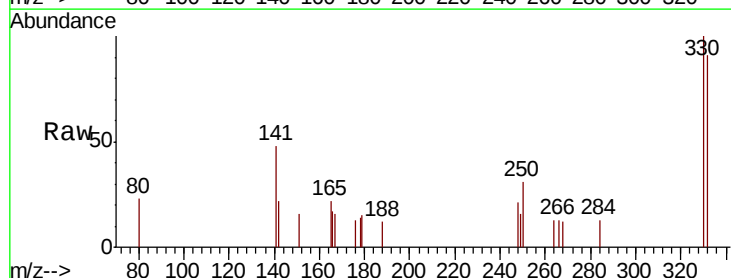


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

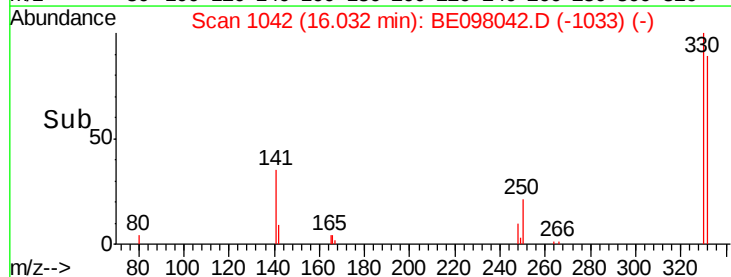
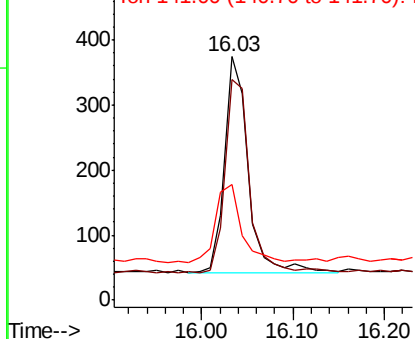


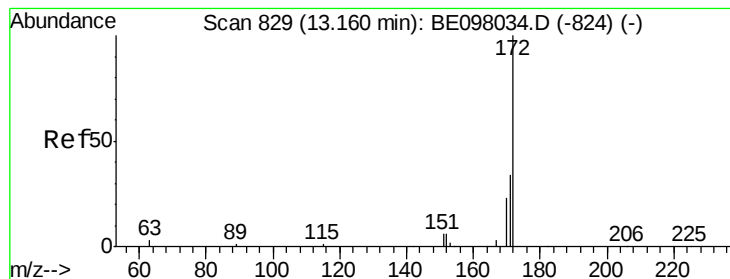
#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

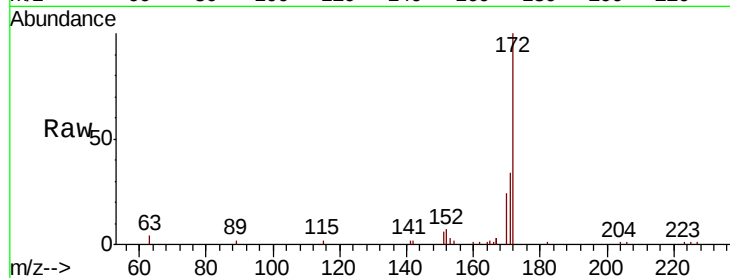
Tgt Ion:172 Resp: 4911

Ion Ratio Lower Upper

172 100

171 34.3 26.0 39.0

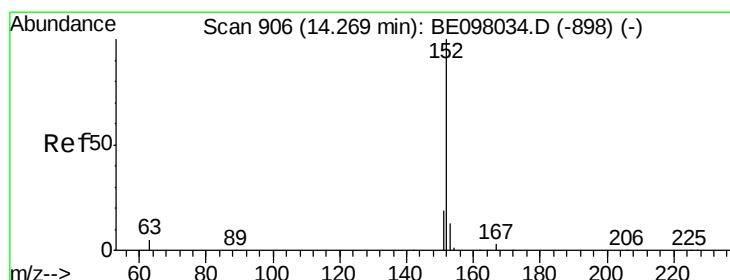
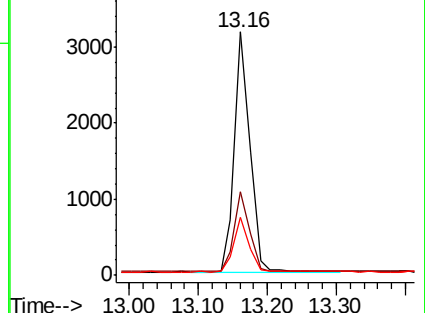
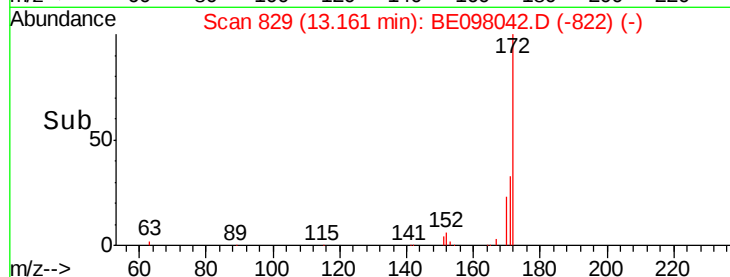
170 23.9 18.0 27.0



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

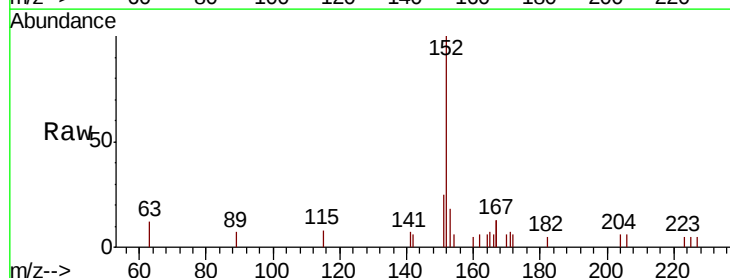
Tgt Ion:152 Resp: 1616

Ion Ratio Lower Upper

152 100

151 20.6 16.1 24.1

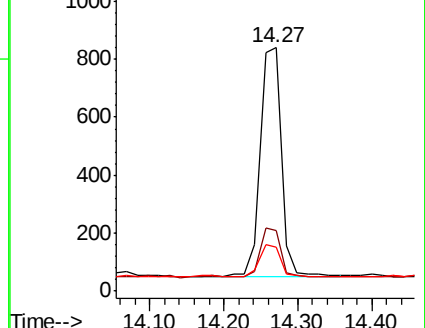
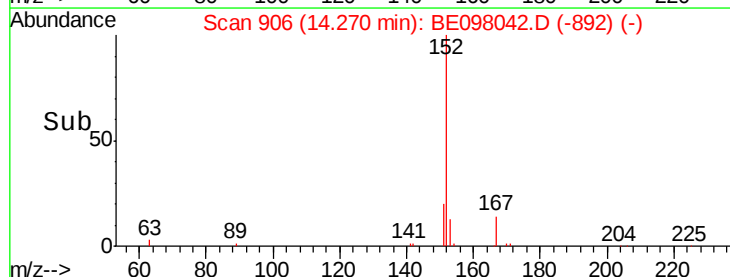
153 13.6 10.9 16.3

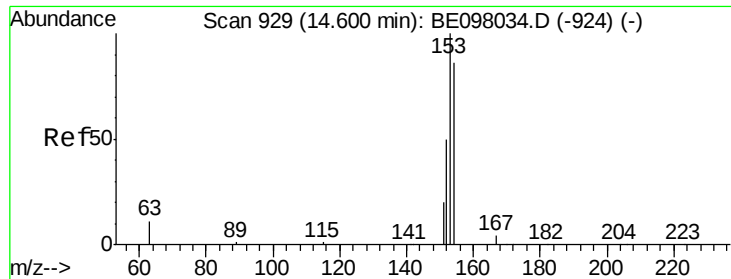


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

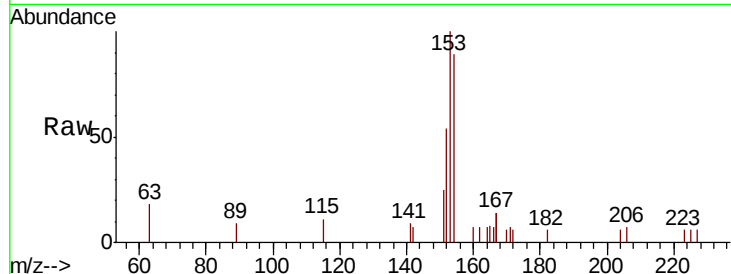




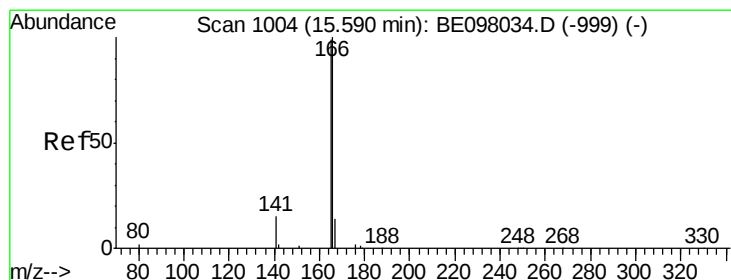
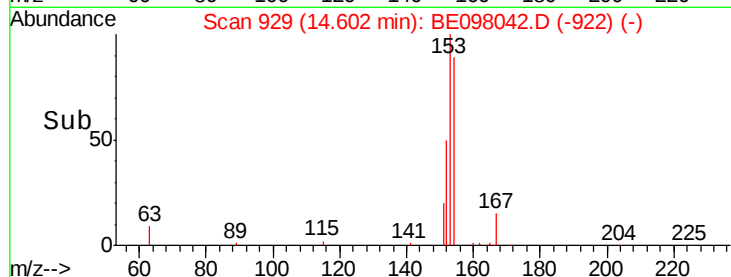
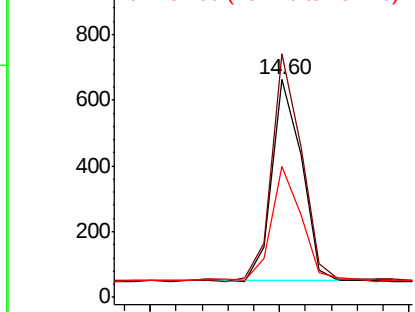
#17
Acenaphthene
Concen: 0.090 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

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

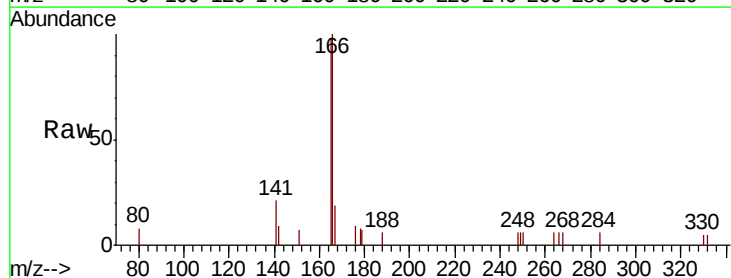


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

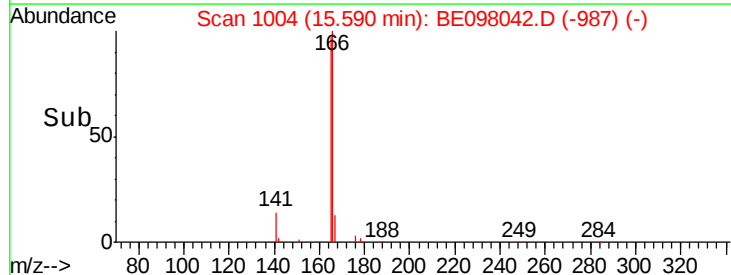
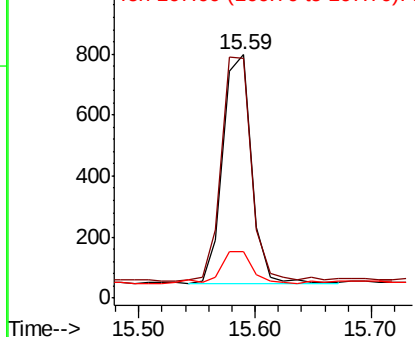


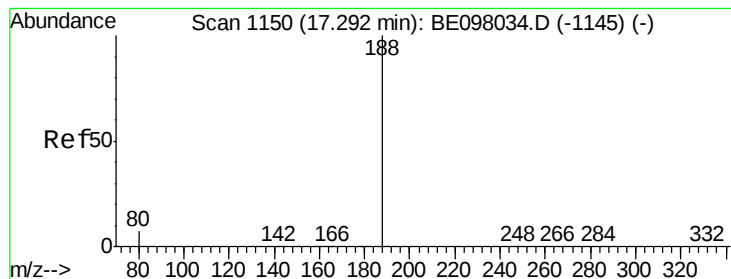
#18
Fluorene
Concen: 0.087 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

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

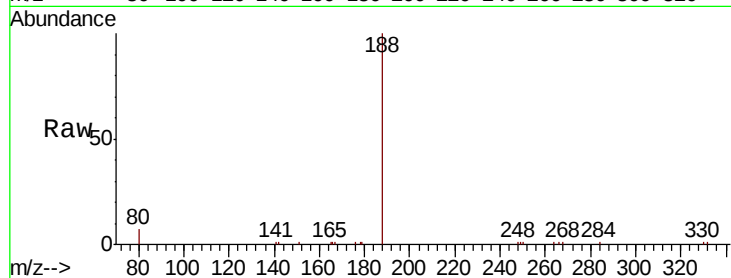
Tgt Ion:188 Resp: 9543

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

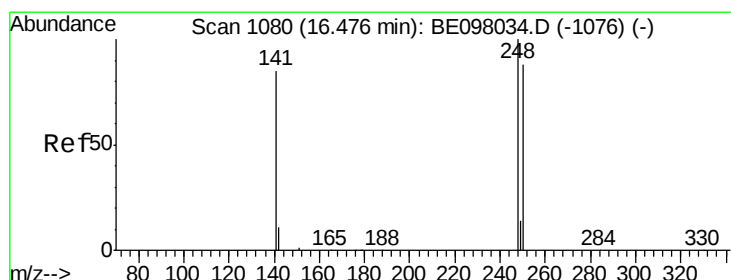
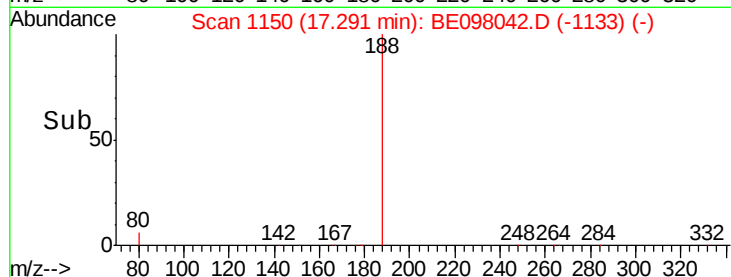
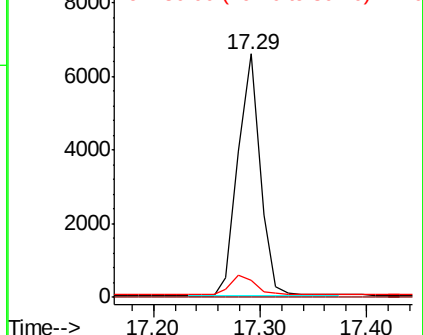
80 7.0 6.3 9.5



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

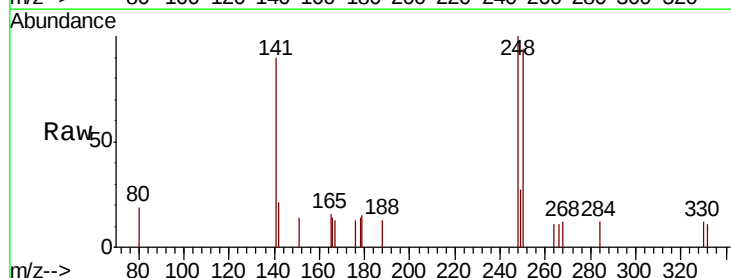
Tgt Ion:248 Resp: 510

Ion Ratio Lower Upper

248 100

250 93.7 75.1 112.7

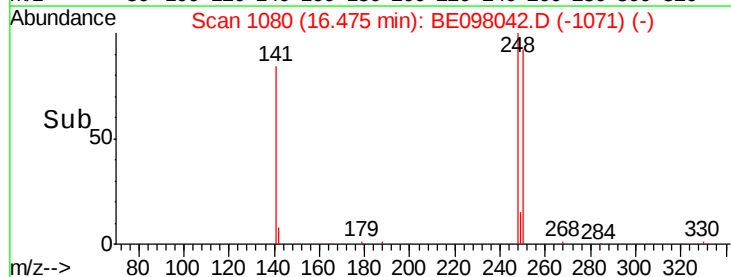
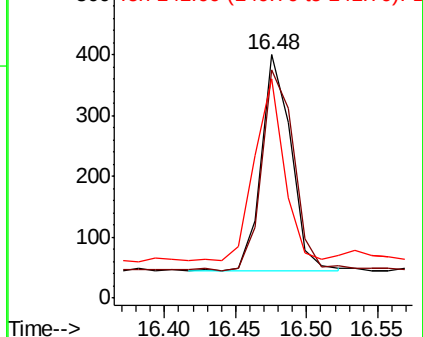
141 90.0 51.8 77.8#

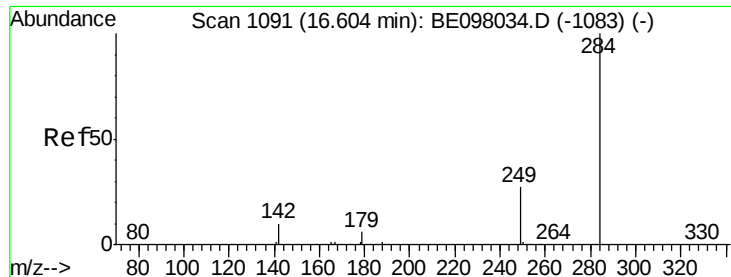


Abundance Ion 248.00 (247.70 to 248.70): E

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

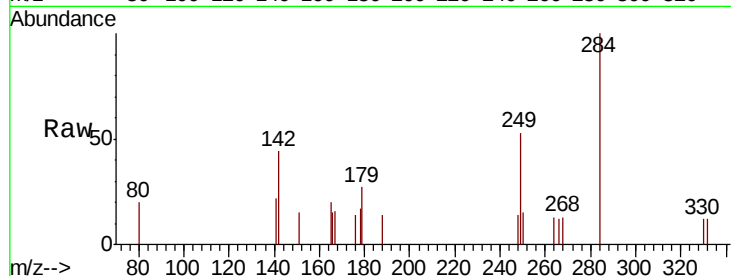
Tgt Ion:284 Resp: 536

Ion Ratio Lower Upper

284 100

142 33.6 25.9 38.9

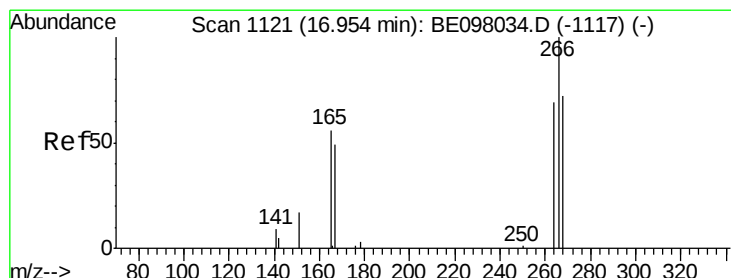
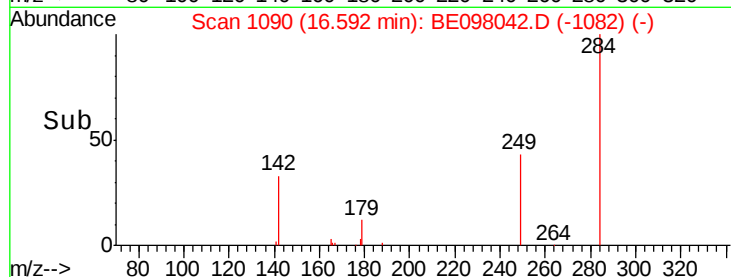
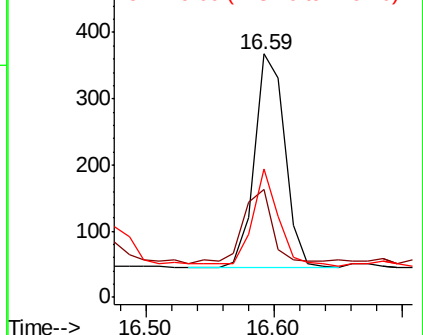
249 37.9 26.6 40.0



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

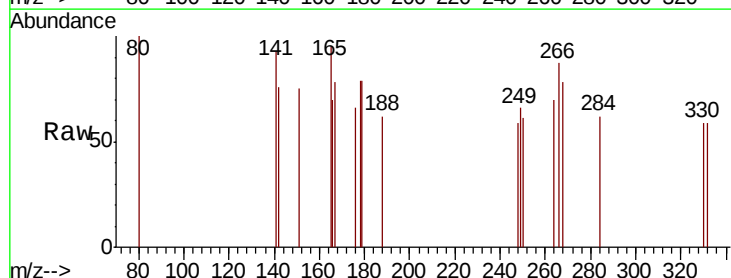
Tgt Ion:266 Resp: 45

Ion Ratio Lower Upper

266 100

264 80.3 51.3 76.9#

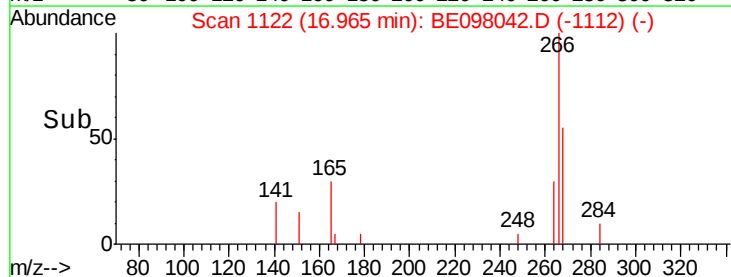
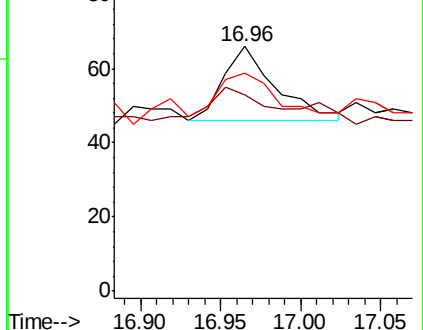
268 89.4 50.1 75.1#

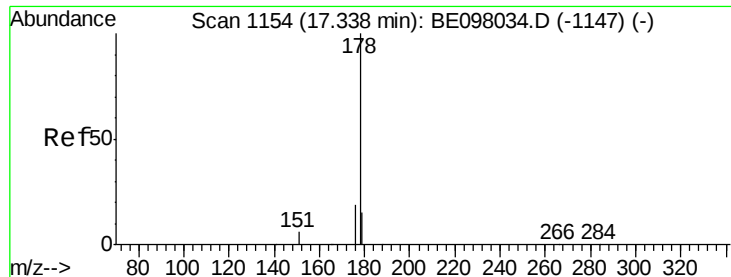


Abundance Ion 266.00 (265.70 to 266.70): E

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

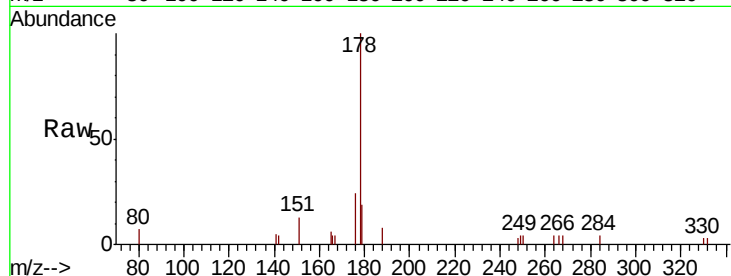
Tgt Ion:178 Resp: 2088

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

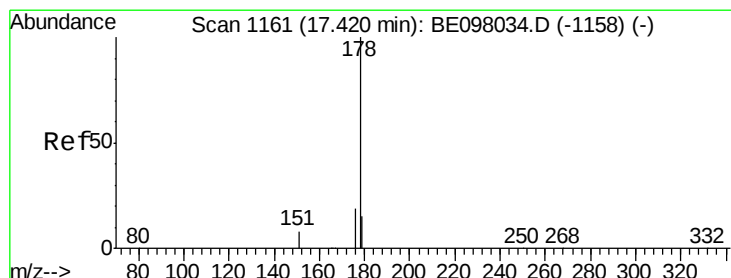
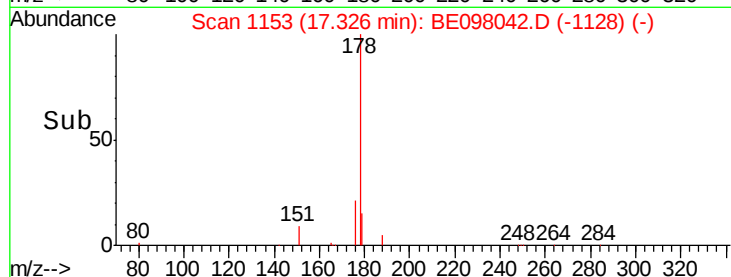
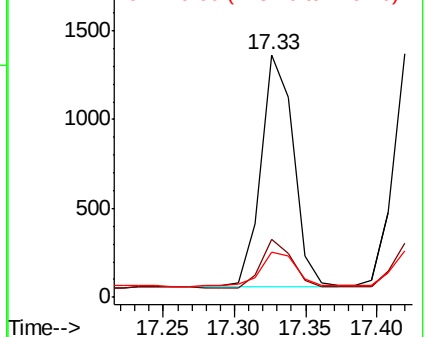
179 16.4 12.2 18.4



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

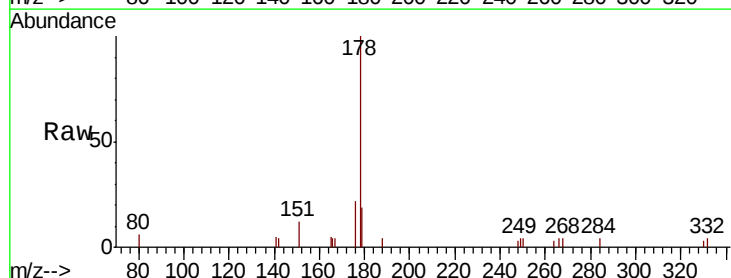
Tgt Ion:178 Resp: 2029

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

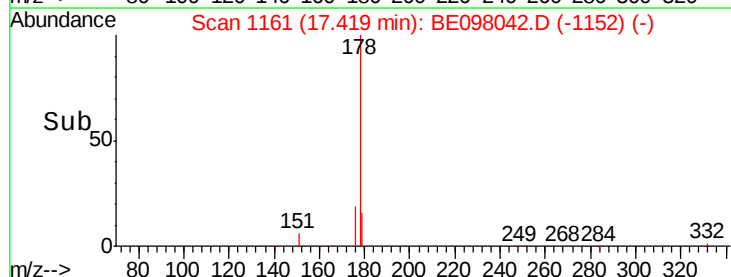
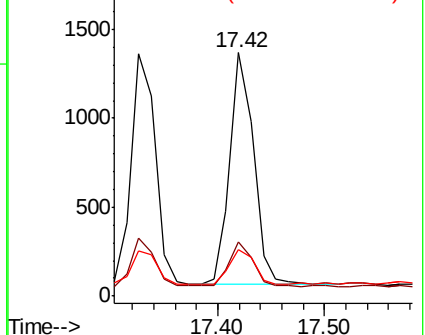
179 15.8 11.9 17.9

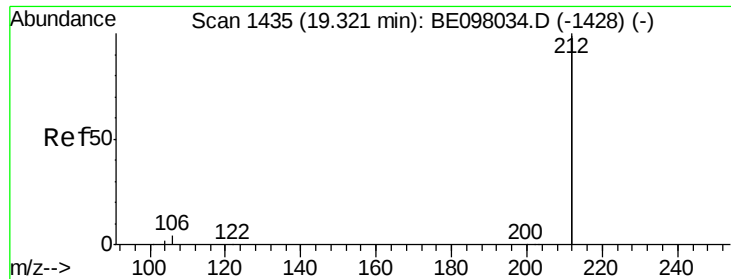


Abundance Ion 178.00 (177.70 to 178.70): E

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

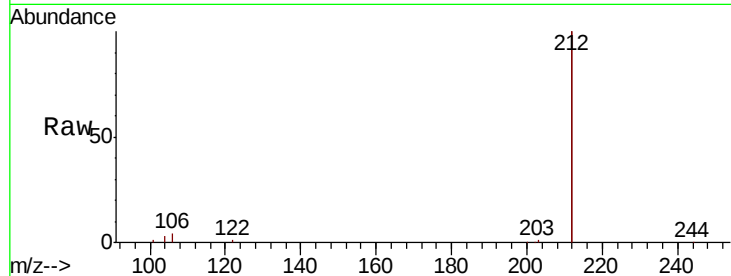
Tgt Ion:212 Resp: 37120

Ion Ratio Lower Upper

212 100

106 2.1 2.3 3.5#

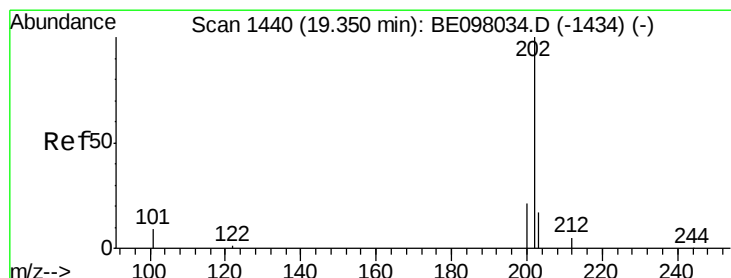
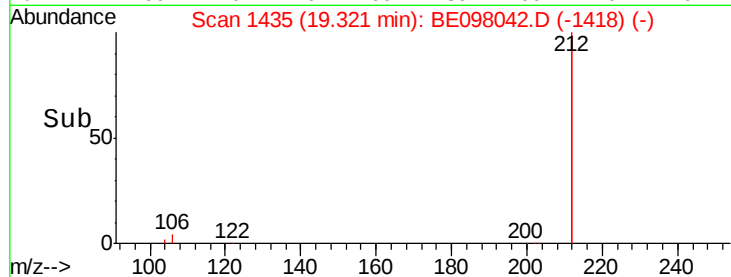
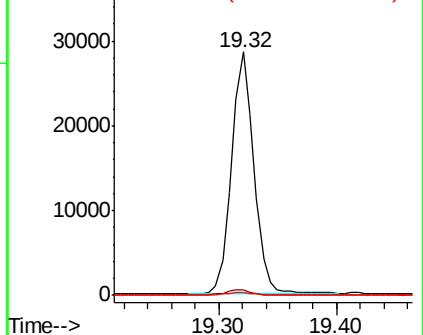
104 1.1 1.3 1.9#



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

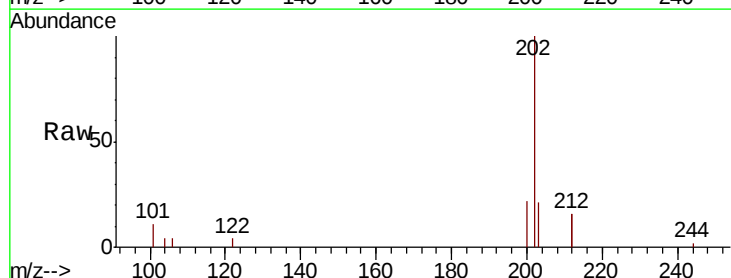
Tgt Ion:202 Resp: 2639

Ion Ratio Lower Upper

202 100

101 8.9 8.2 12.2

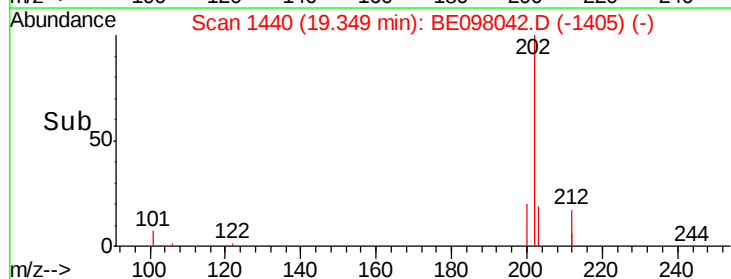
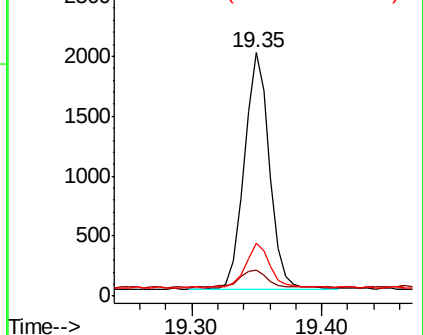
203 18.3 15.0 22.4

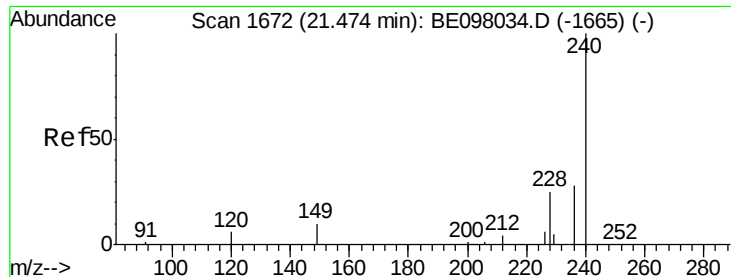


Abundance Ion 202.00 (201.70 to 202.70): E

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

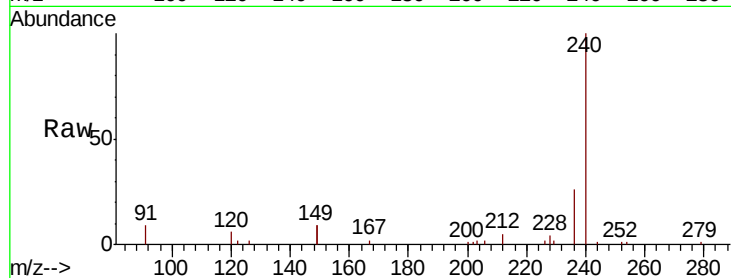
Tgt Ion:240 Resp: 11190

Ion Ratio Lower Upper

240 100

120 5.8 7.1 10.7#

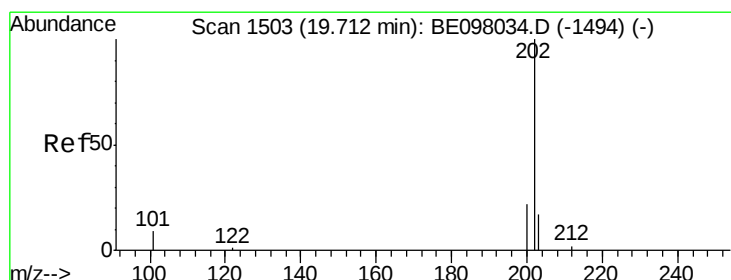
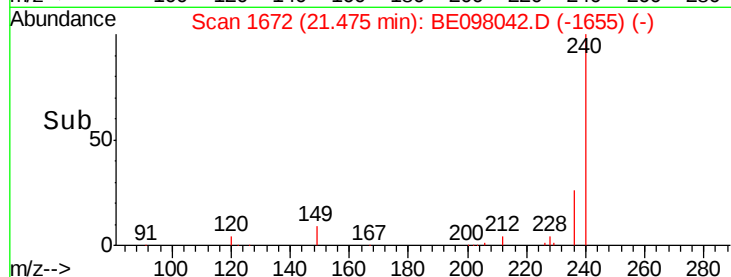
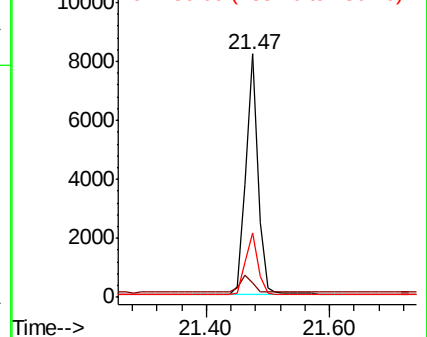
236 26.5 21.3 31.9



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

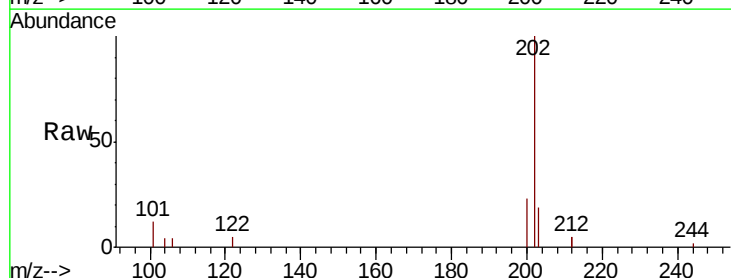
Tgt Ion:202 Resp: 2817

Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

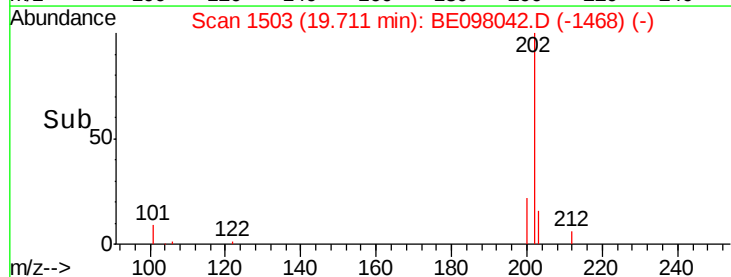
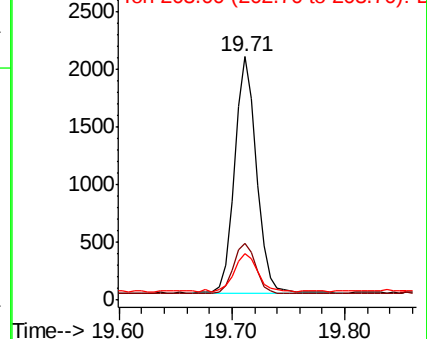
203 18.0 14.2 21.4

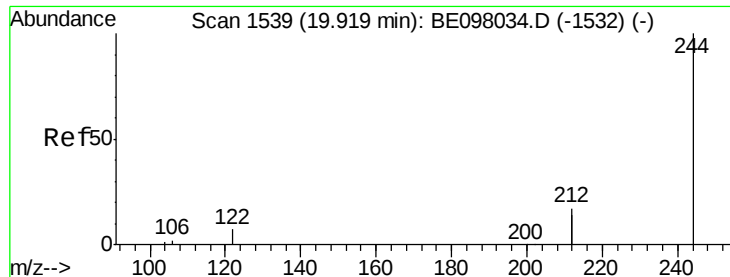


Abundance Ion 202.00 (201.70 to 202.70): E

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

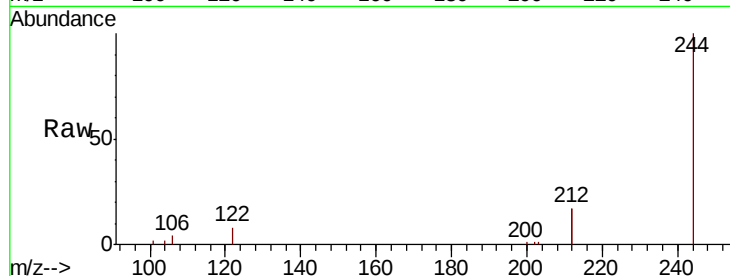
Tgt Ion:244 Resp: 7676

Ion Ratio Lower Upper

244 100

212 34.8 26.2 39.2

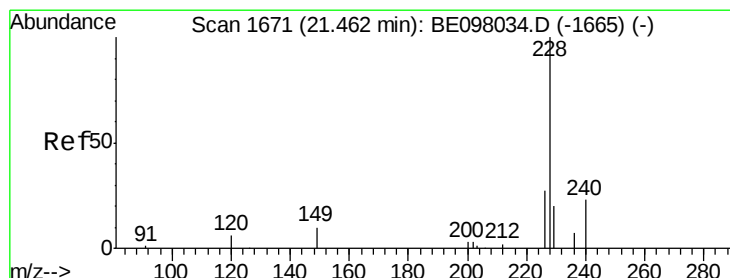
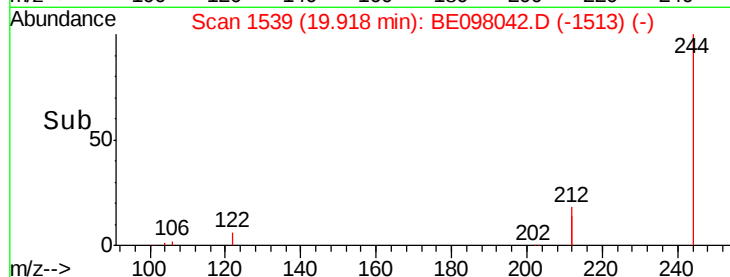
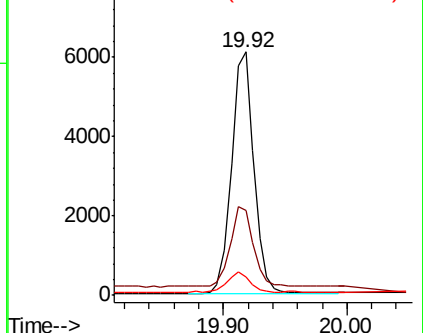
122 7.7 7.7 11.5#



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

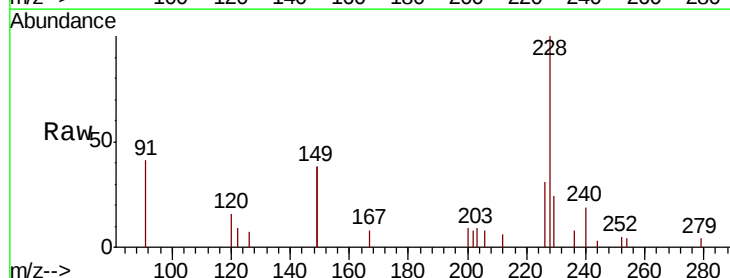
Tgt Ion:228 Resp: 3048

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

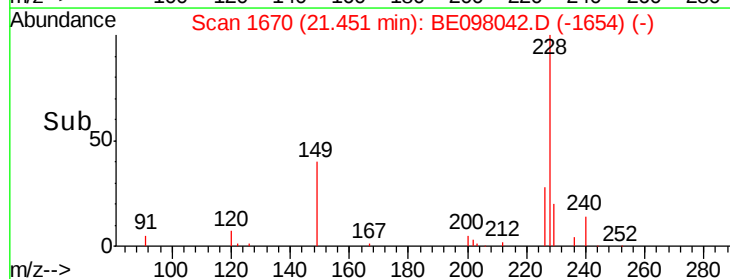
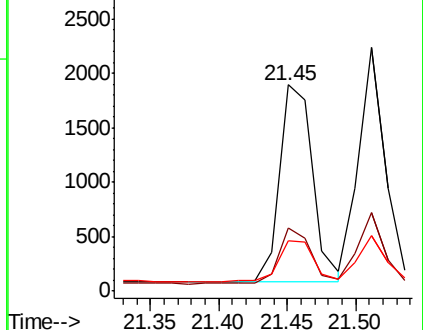
229 24.4 16.9 25.3

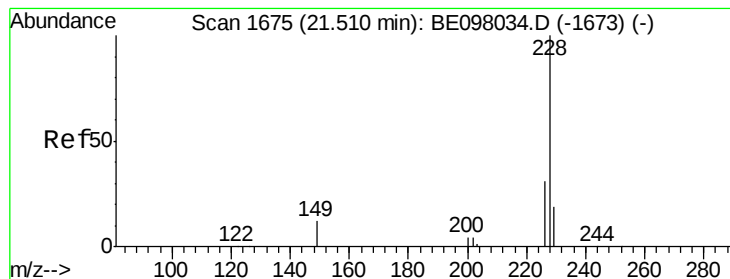


Abundance Ion 228.00 (227.70 to 228.70): E

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

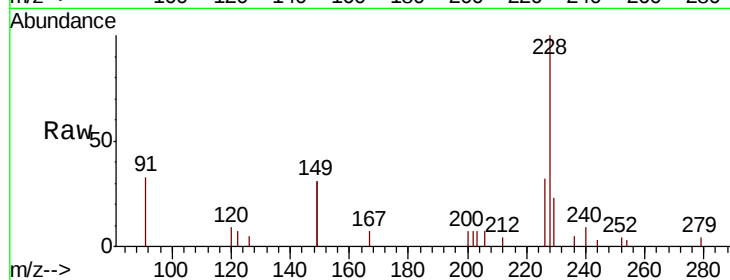
Tgt Ion:228 Resp: 2897

Ion Ratio Lower Upper

228 100

226 32.4 24.3 36.5

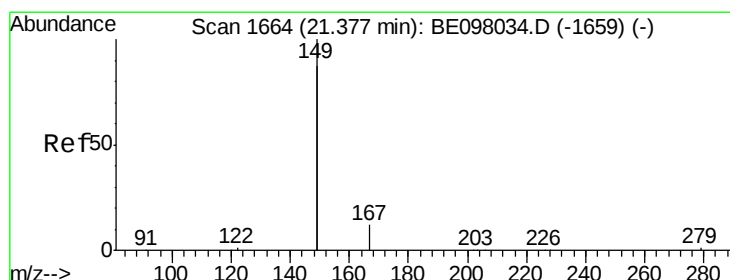
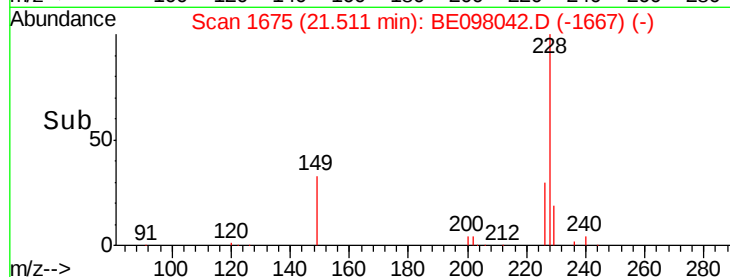
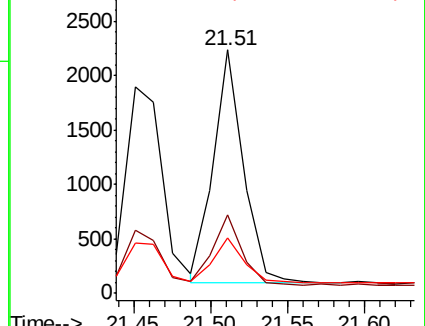
229 22.9 17.3 25.9



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

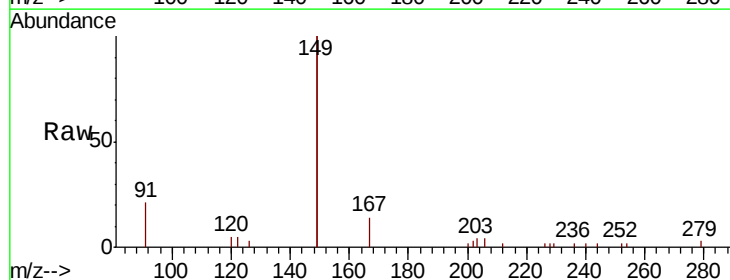
Tgt Ion:149 Resp: 7614

Ion Ratio Lower Upper

149 100

167 8.1 5.6 8.4

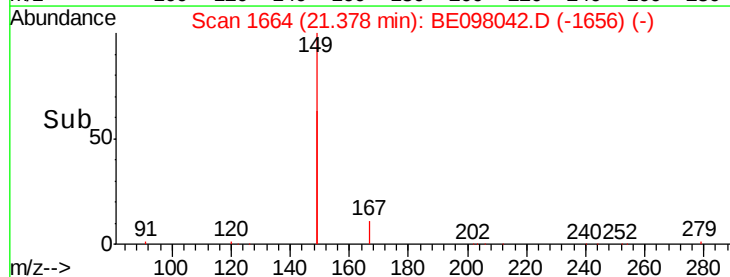
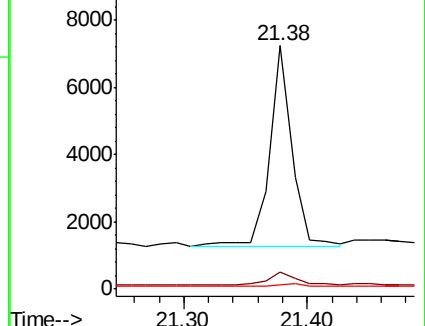
279 1.3 0.9 1.3#

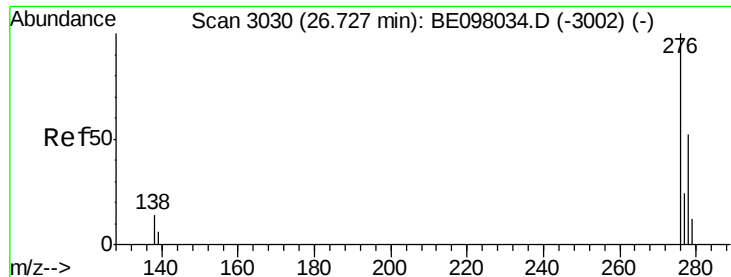


Abundance Ion 149.00 (148.70 to 149.70): E

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

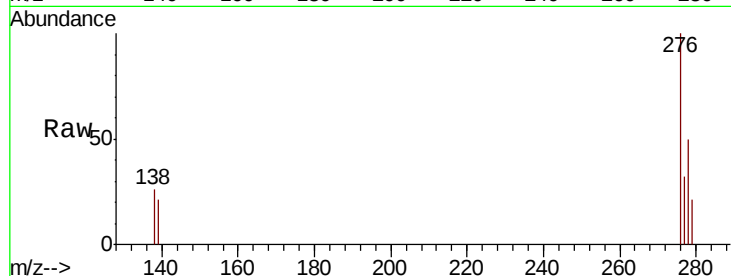
Tgt Ion: 276 Resp: 3188

Ion Ratio Lower Upper

276 100

138 6.0 17.0 25.6#

277 8.4 20.5 30.7#

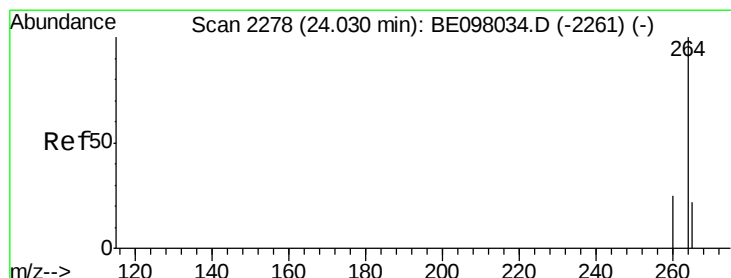
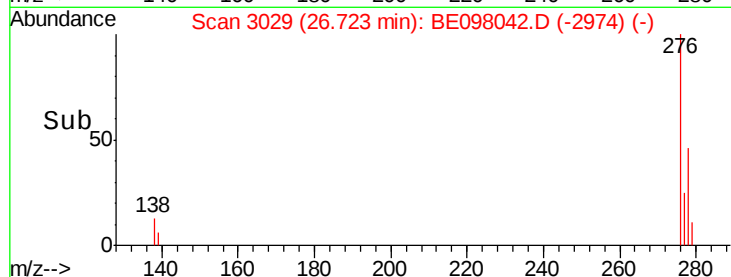
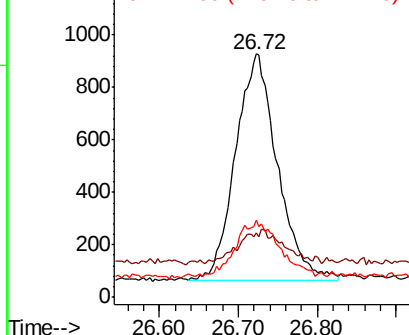


Abundance

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: 24.03 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BE098042.D

Acq: 24 Oct 2018 17:21

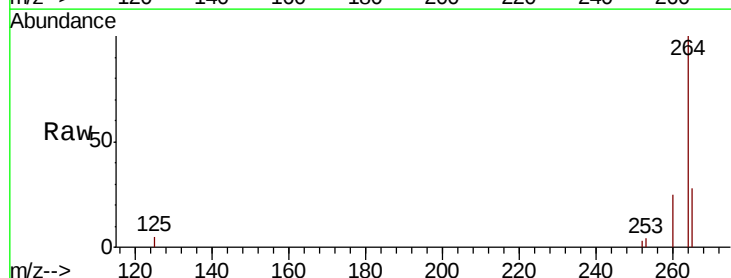
Tgt Ion: 264 Resp: 10985

Ion Ratio Lower Upper

264 100

260 25.0 21.1 31.7

265 28.3 29.2 43.8#

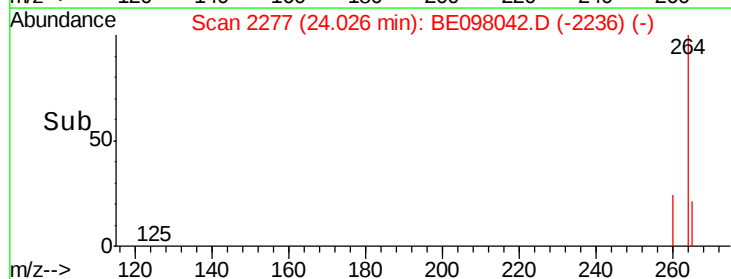
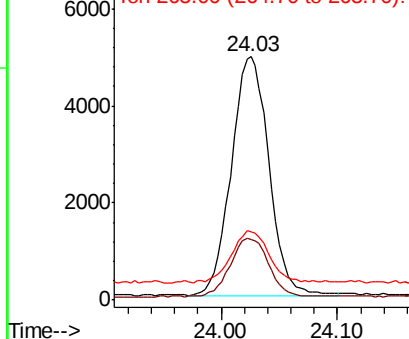


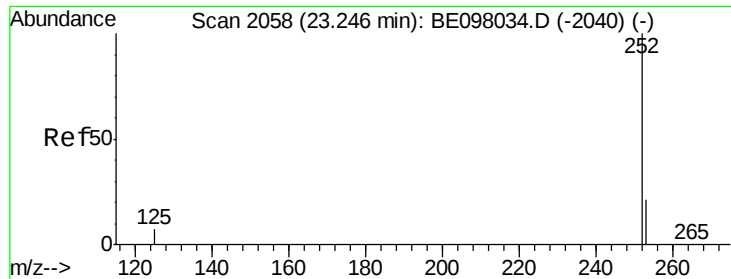
Abundance

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

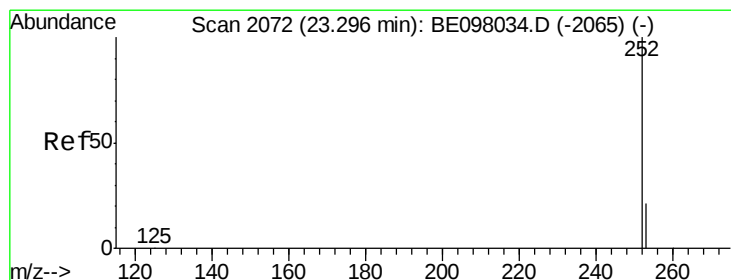
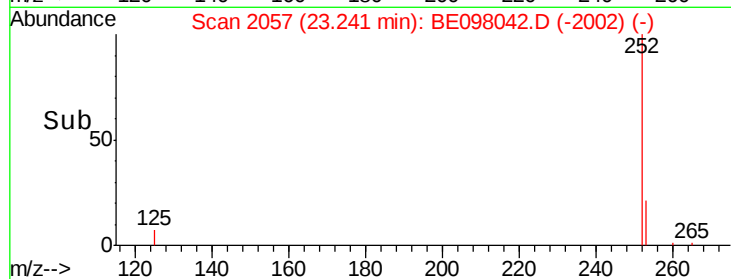
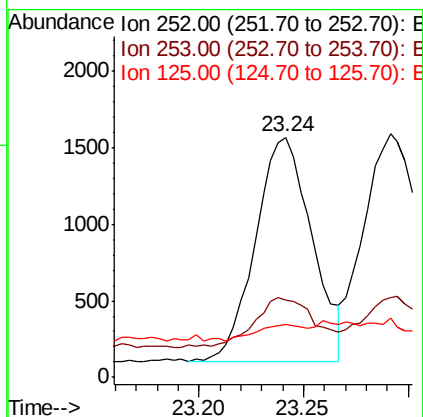
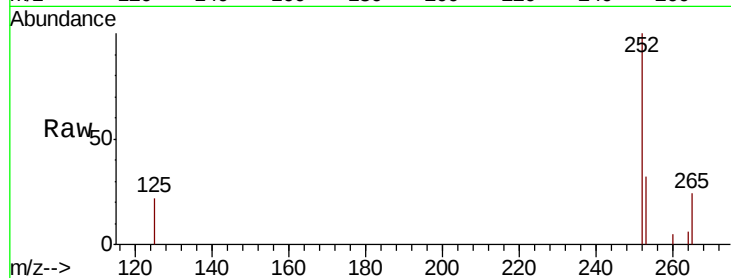




#35
Benzo(b)fluoranthene
Concen: 0.090 ng
RT: 23.24 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BE098042.D
Acq: 24 Oct 2018 17:21

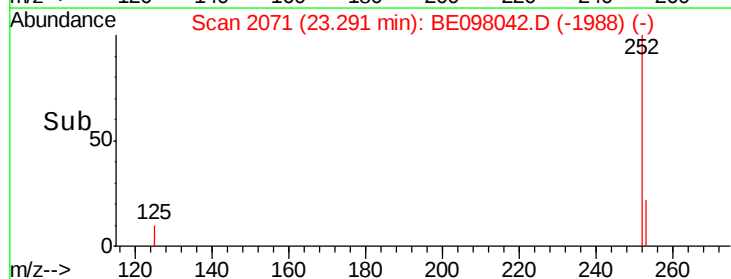
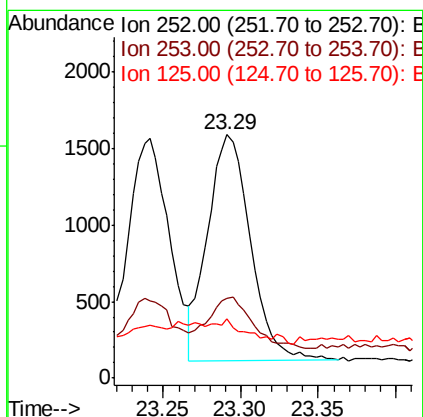
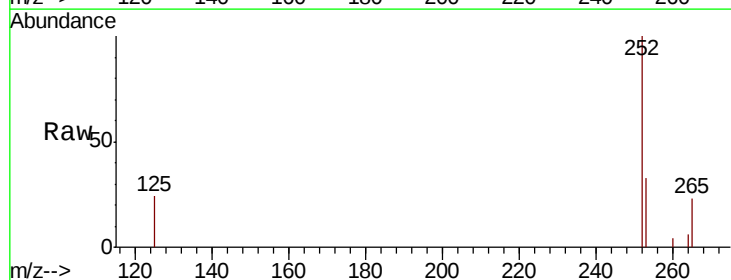
Instrument :
BNA_E
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

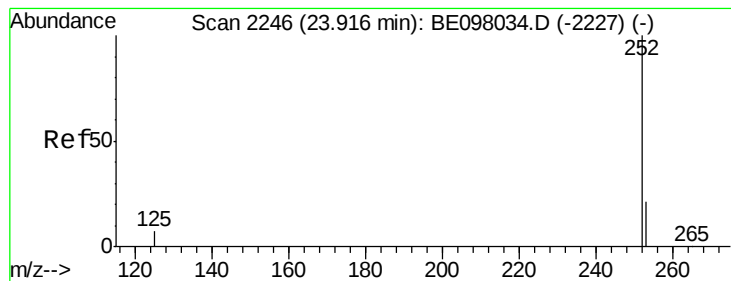
Tgt Ion: 252 Resp: 2753
Ion Ratio Lower Upper
252 100
253 32.1 20.6 31.0#
125 22.0 14.3 21.5#



#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

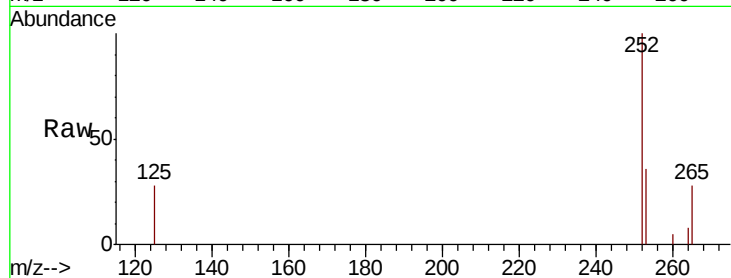
Tgt Ion:252 Resp: 2770

Ion Ratio Lower Upper

252 100

253 36.4 20.6 31.0#

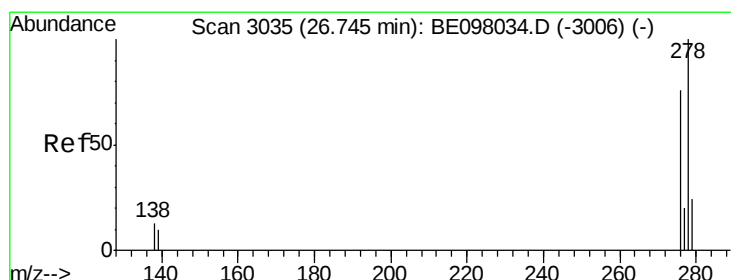
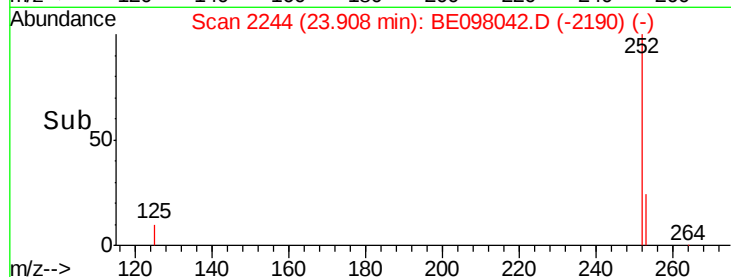
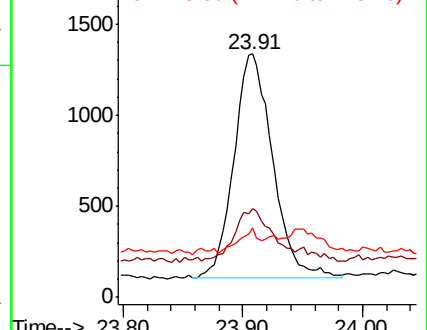
125 28.3 15.6 23.4#



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

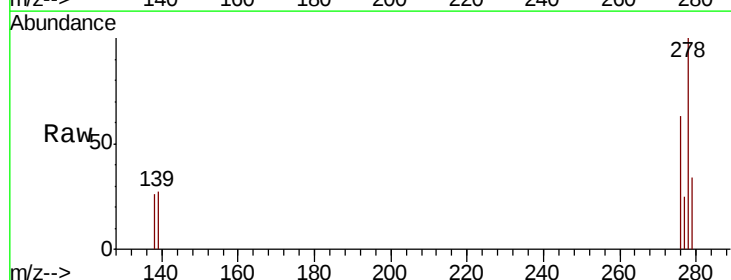
Tgt Ion:278 Resp: 2630

Ion Ratio Lower Upper

278 100

139 26.5 16.3 24.5#

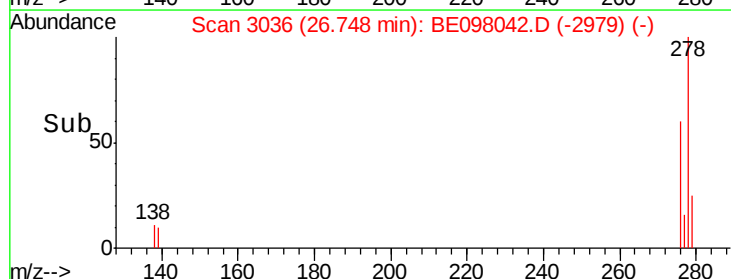
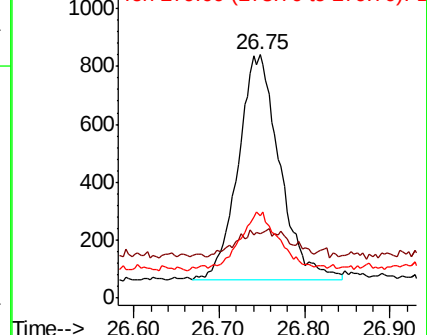
279 34.0 21.4 32.2#

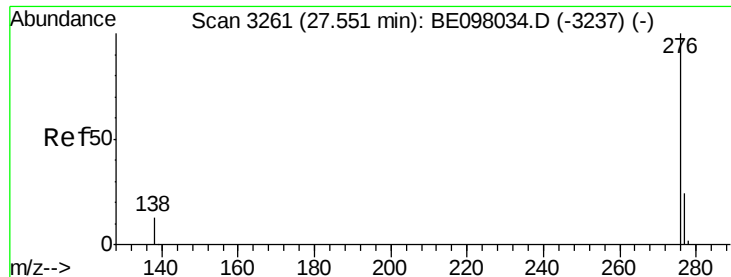


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.089 ng

RT: 27.54 min Scan# 3259

Delta R.T. -0.01 min

Lab File: BE098042.D

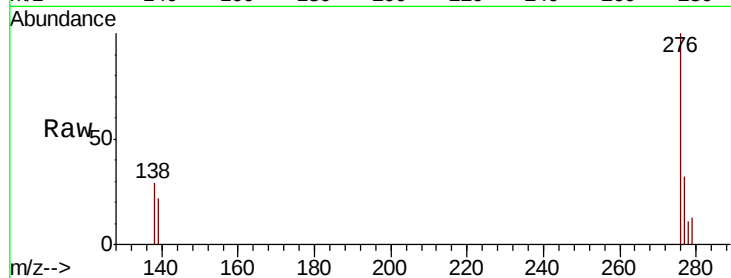
Acq: 24 Oct 2018 17:21

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018



Tgt Ion: 276 Resp: 2577

Ion Ratio Lower Upper

276 100

277 31.5 22.1 33.1

138 29.5 19.3 28.9#

