

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061119\
 Data File : BE099930.D
 Acq On : 11 Jun 2019 18:45
 Operator : JU/SJ
 Sample : K2241-03
 Misc : MDL-SOIL-0.1PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jun 12 03:44:45 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 10 14:57:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	619	0.40	ng	-0.02
7) Naphthalene-d8	10.60	136	2225	0.40	ng	0.00
13) Acenaphthene-d10	14.44	164	1920	0.40	ng	-0.03
19) Phenanthrene-d10	17.19	188	6586	0.40	ng	-0.03
27) Chrysene-d12	21.37	240	7761	0.40	ng	-0.04
34) Perylene-d12	23.86	264	9064	0.40	ng	-0.07

System Monitoring Compounds

4) 2-Fluorophenol	5.35	112	1491	0.89	ng	0.00
5) Phenol-d6	6.96	99	1853	0.86	ng	0.00
8) Nitrobenzene-d5	8.98	82	1239	0.59	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	1530	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	834	0.59	ng	-0.03
15) 2-Fluorobiphenyl	13.09	172	4862	0.67	ng	-0.01
25) Fluoranthene-d10	19.22	212	33735	0.35	ng	-0.03
29) Terphenyl-d14	19.82	244	12909	0.92	ng	-0.03

Target Compounds

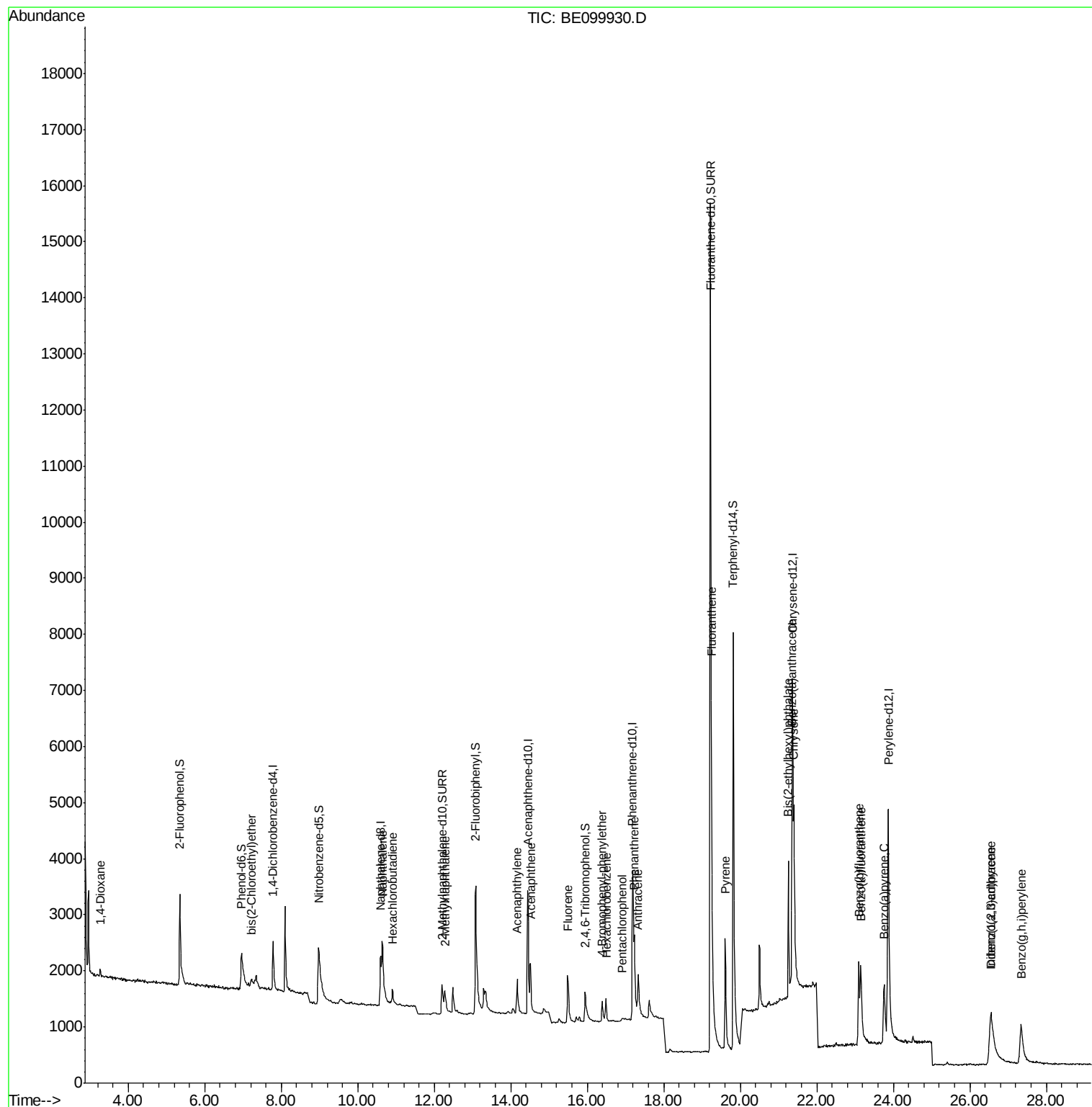
						Qvalue
2) 1,4-Dioxane	3.27	88	104	0.114	ng	# 84
6) bis(2-Chloroethyl)ether	7.23	93	187	0.106	ng	# 58
9) Naphthalene	10.64	128	2943	0.123	ng	# 91
10) Hexachlorobutadiene	10.90	225	235	0.128	ng	96
12) 2-Methylnaphthalene	12.28	142	468	0.120	ng	91
16) Acenaphthylene	14.17	152	1053	0.110	ng	98
17) Acenaphthene	14.51	154	574	0.110	ng	98
18) Fluorene	15.49	166	907	0.116	ng	97
20) 4-Bromophenyl-phenylether	16.39	248	404	0.108	ng	# 90
21) Hexachlorobenzene	16.49	284	447	0.117	ng	98
22) Pentachlorophenol	16.92	266	81	0.344	ng	91
23) Phenanthrene	17.23	178	1737	0.109	ng	99
24) Anthracene	17.32	178	1220	0.083	ng	96
26) Fluoranthene	19.25	202	2871	0.106	ng	98
28) Pyrene	19.61	202	2848	0.140	ng	98
30) Benzo(a)anthracene	21.35	228	2372	0.102	ng	93
31) Chrysene	21.40	228	3123	0.130	ng	96
32) Bis(2-ethylhexyl)phthalate	21.26	149	3471	0.104	ng	99
33) Indeno(1,2,3-cd)pyrene	26.53	276	2951	0.104	ng	# 89
35) Benzo(b)fluoranthene	23.10	252	2678	0.105	ng	# 84
36) Benzo(k)fluoranthene	23.15	252	3081	0.116	ng	# 85
37) Benzo(a)pyrene	23.76	252	2815	0.113	ng	# 76
38) Dibenzo(a,h)anthracene	26.55	278	581	0.023	ng	# 68
39) Benzo(g,h,i)perylene	27.34	276	2933	0.113	ng	# 87

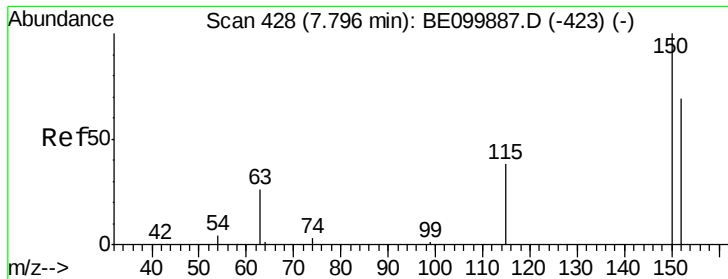
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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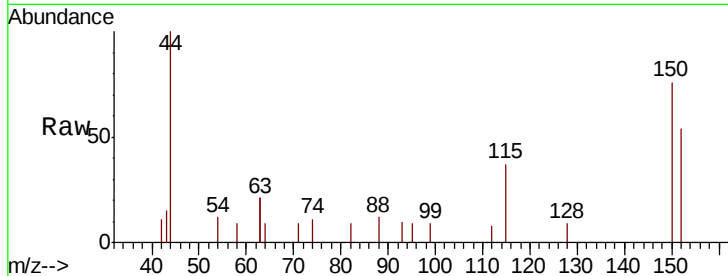


#1

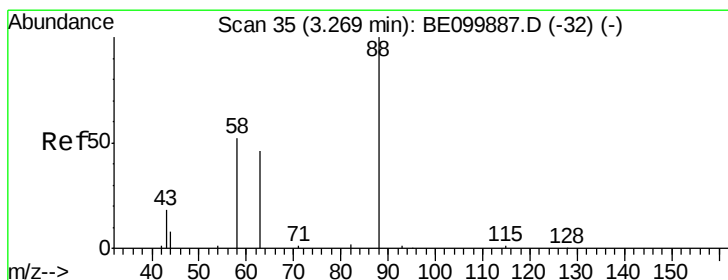
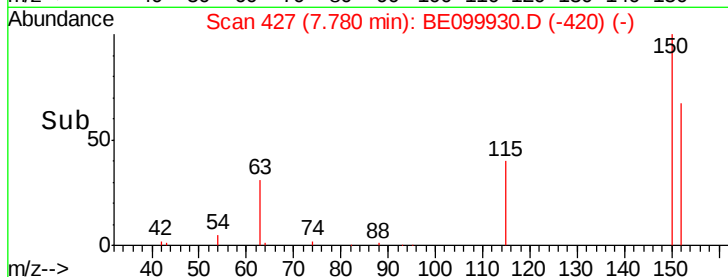
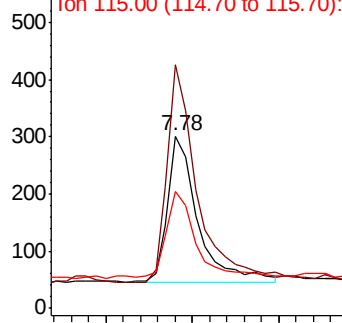
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.02 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:152 Resp: 619
Ion Ratio Lower Upper
152 100
150 141.5 111.0 166.6
115 68.1 50.7 76.1



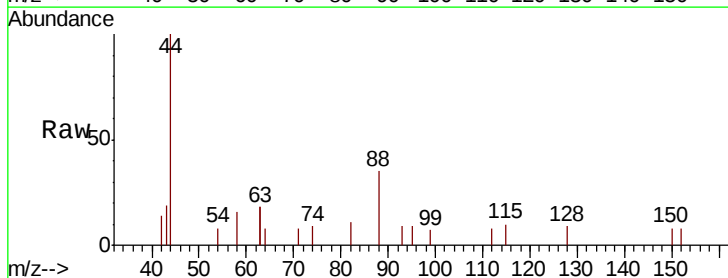
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



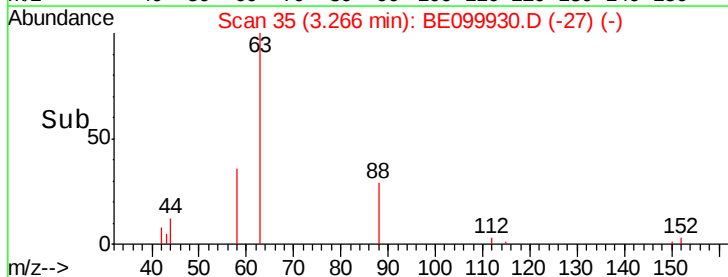
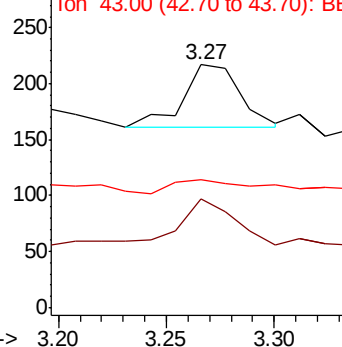
#2

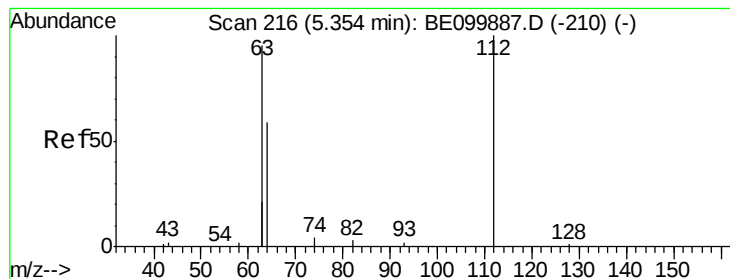
1,4-Dioxane
Concen: 0.114 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
58 72.1 48.8 73.2
43 32.7 19.0 28.6#



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





#4

2-Fluorophenol

Concen: 0.892 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.00 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

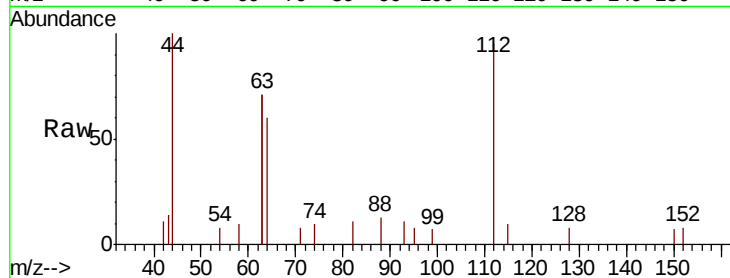
Tgt Ion: 112 Resp: 1491

Ion Ratio Lower Upper

112 100

64 53.2 44.1 66.1

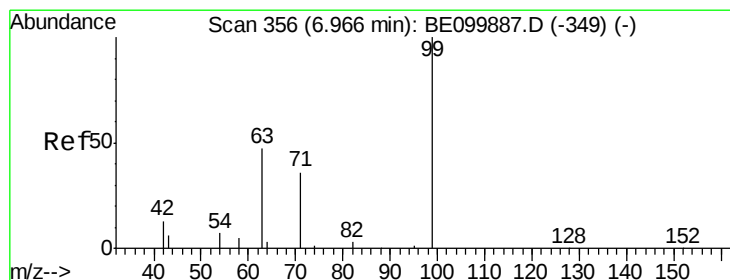
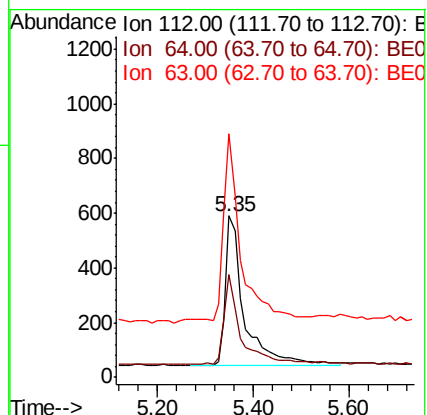
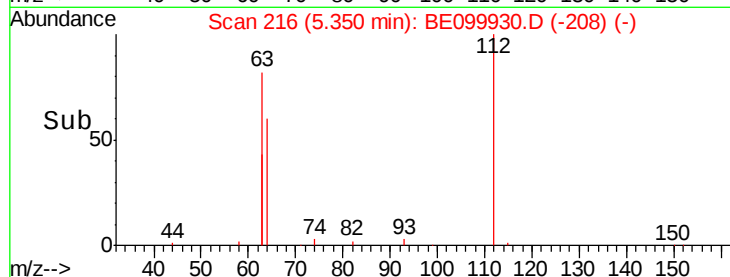
63 110.3 87.8 131.6



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.861 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

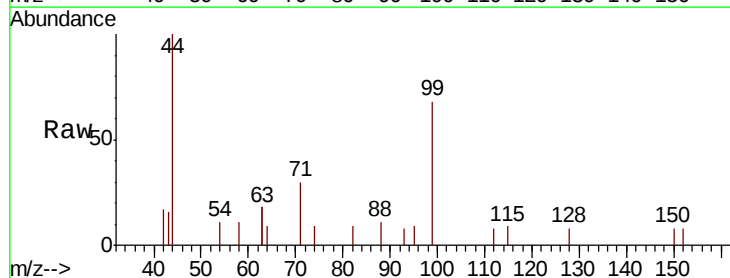
Tgt Ion: 99 Resp: 1853

Ion Ratio Lower Upper

99 100

42 12.4 15.9 23.9#

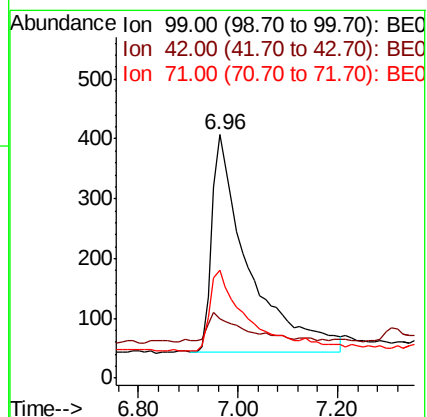
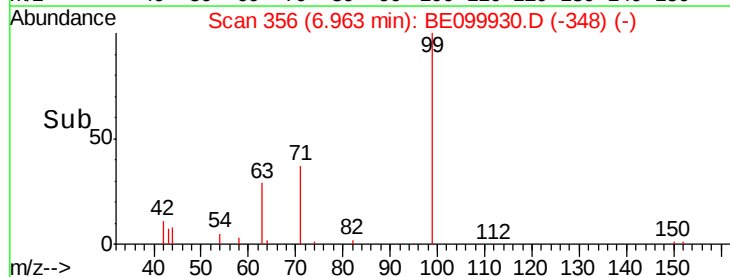
71 38.4 34.6 52.0

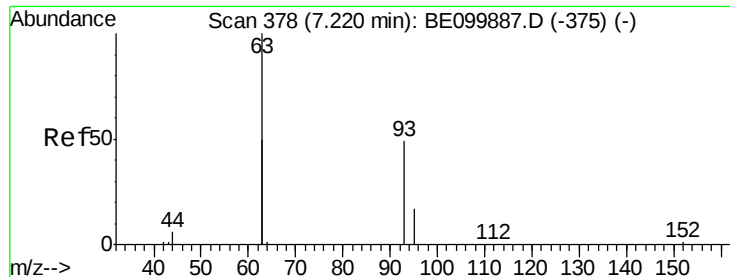


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.106 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.01 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

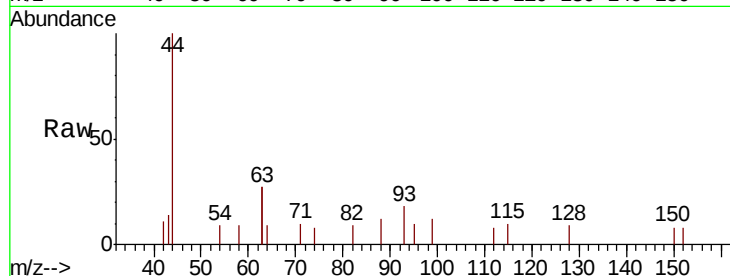
Tgt Ion: 93 Resp: 187

Ion Ratio Lower Upper

93 100

63 170.1 202.8 304.2#

95 29.4 23.7 35.5

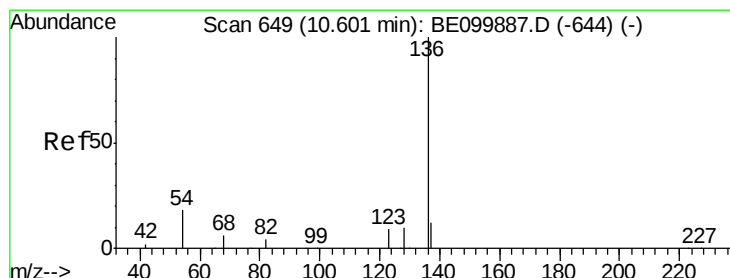
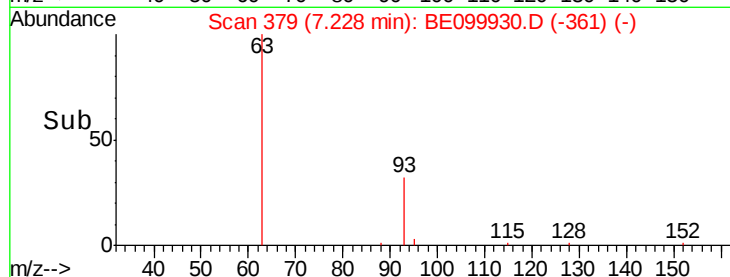
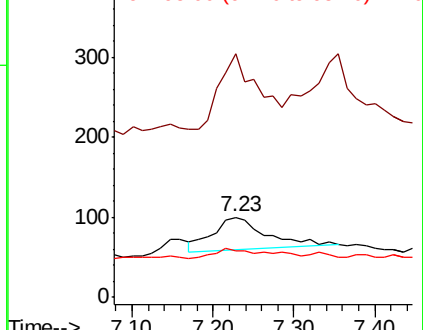


Abundance

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: 10.60 min Scan# 649

Delta R.T. 0.00 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Tgt Ion: 136 Resp: 2225

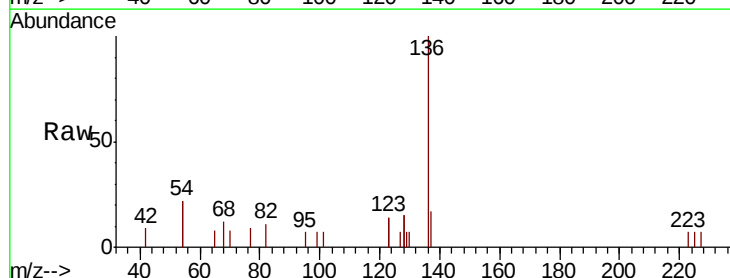
Ion Ratio Lower Upper

136 100

137 16.9 12.3 18.5

54 44.1 28.2 42.4#

68 11.7 7.8 11.8



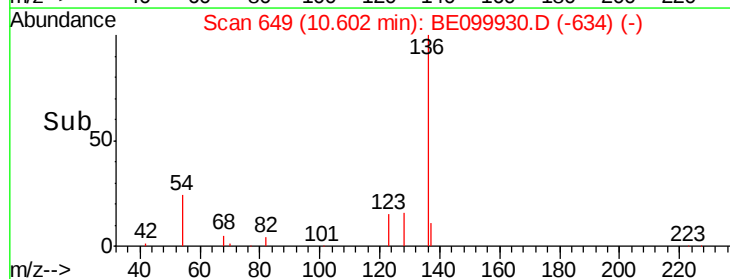
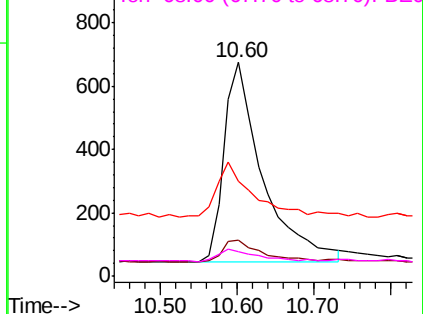
Abundance

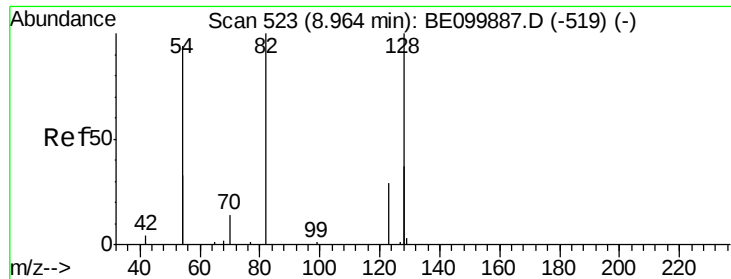
Ion 136.00 (135.70 to 136.70): E

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: 0.588 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

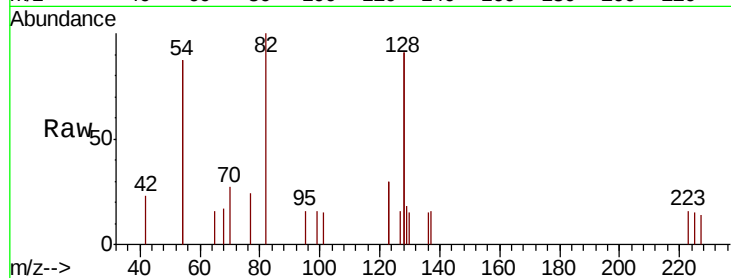
Tgt Ion: 82 Resp: 1239

Ion Ratio Lower Upper

82 100

128 181.6 137.3 205.9

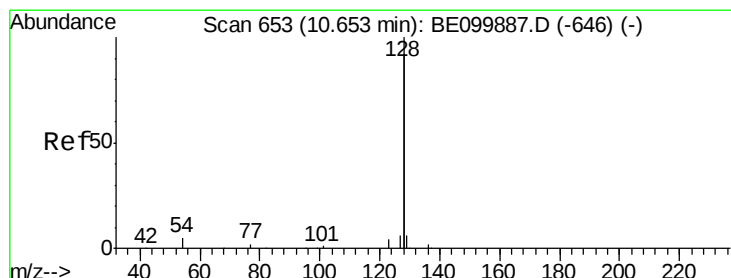
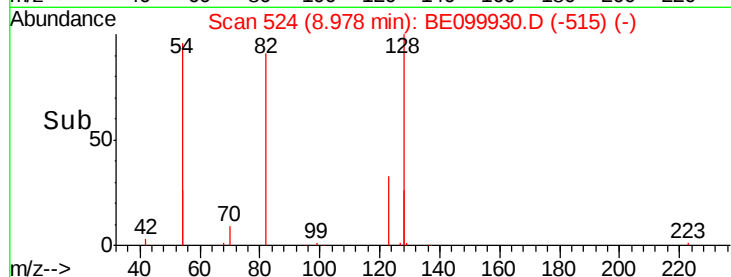
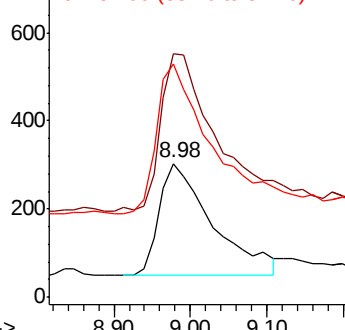
54 173.7 129.7 194.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.123 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

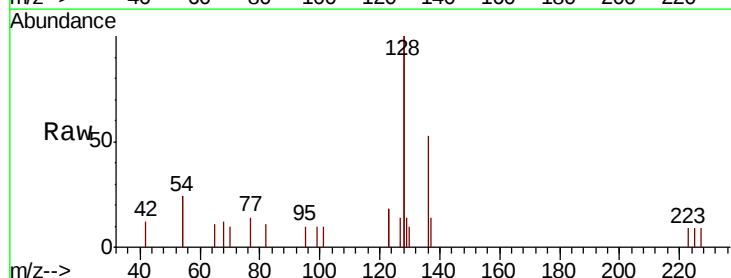
Tgt Ion: 128 Resp: 2943

Ion Ratio Lower Upper

128 100

129 7.2 3.0 4.6#

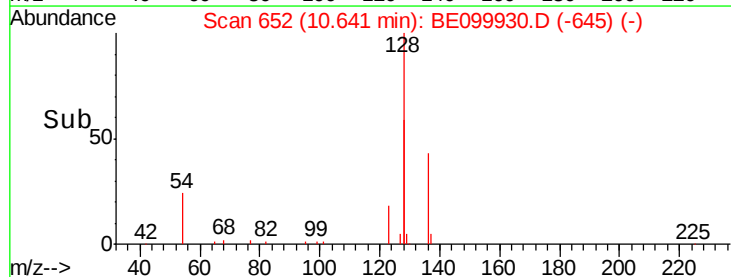
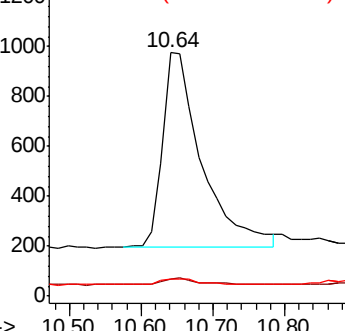
127 7.1 3.4 5.0#

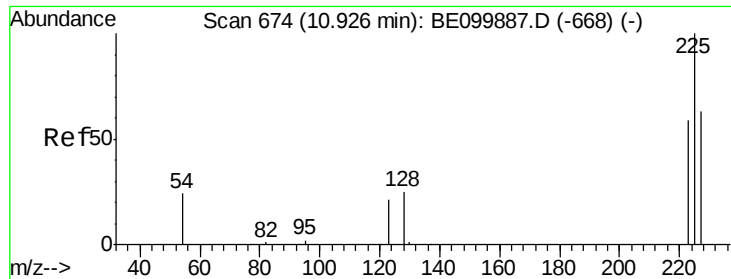


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

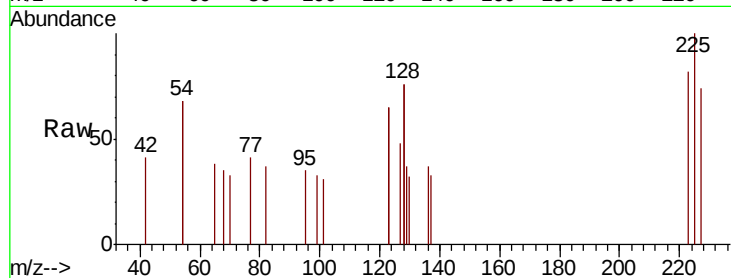




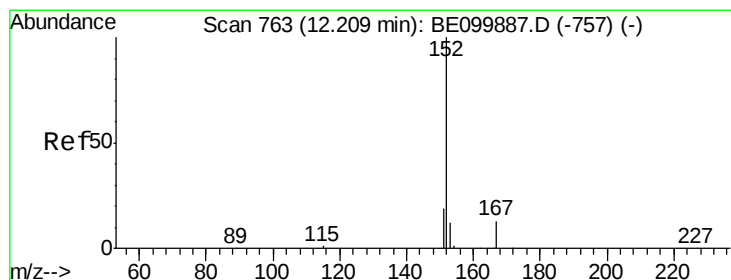
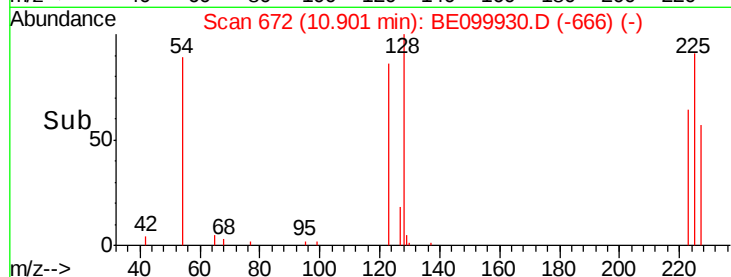
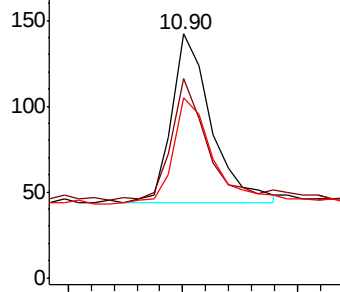
#10
Hexachlorobutadiene
Concen: 0.128 ng
RT: 10.90 min Scan# 672
Delta R.T. -0.03 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Instrument :
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MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 225 Resp: 235
Ion Ratio Lower Upper
225 100
223 61.7 51.6 77.4
227 60.4 50.6 76.0

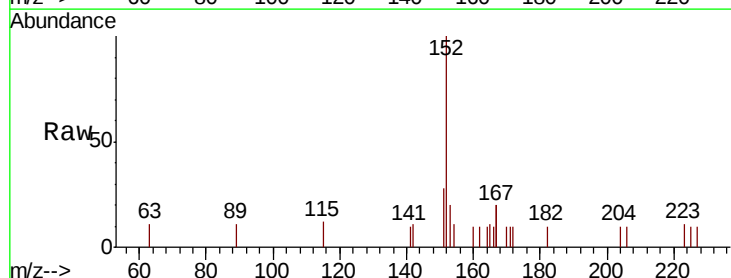


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

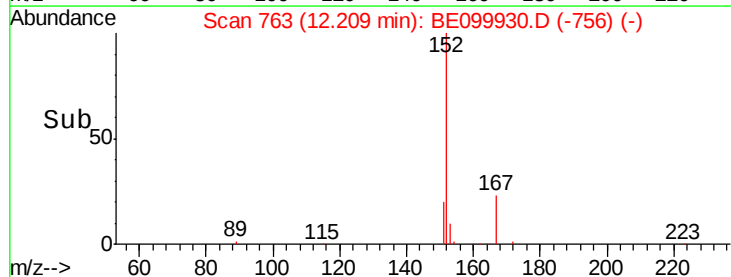
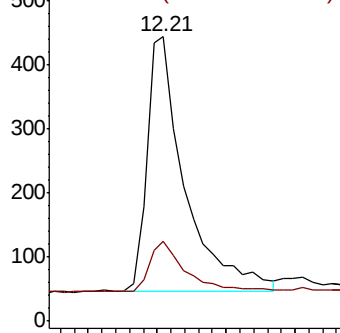


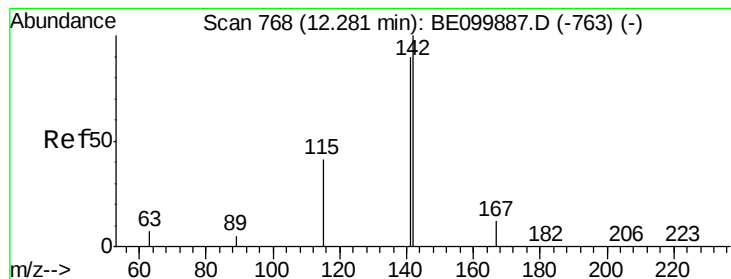
#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Tgt Ion: 152 Resp: 1530
Ion Ratio Lower Upper
152 100
151 18.7 15.2 22.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.120 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

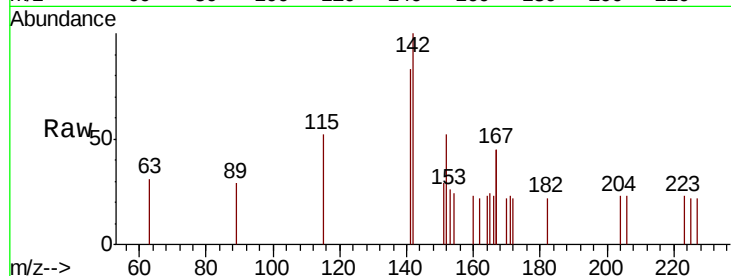
Tgt Ion:142 Resp: 468

Ion Ratio Lower Upper

142 100

141 82.7 72.3 108.5

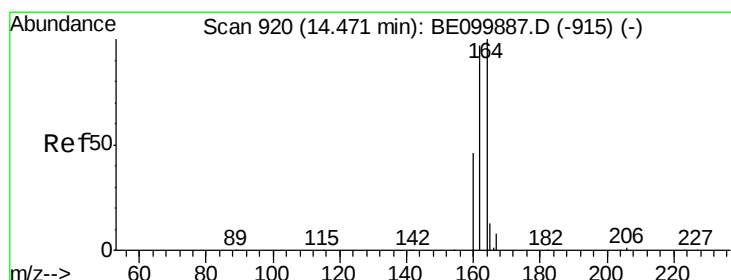
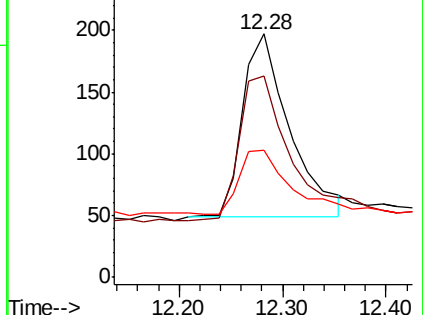
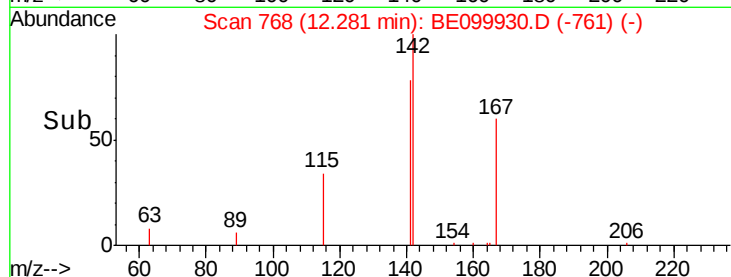
115 52.3 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.44 min Scan# 918

Delta R.T. -0.03 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

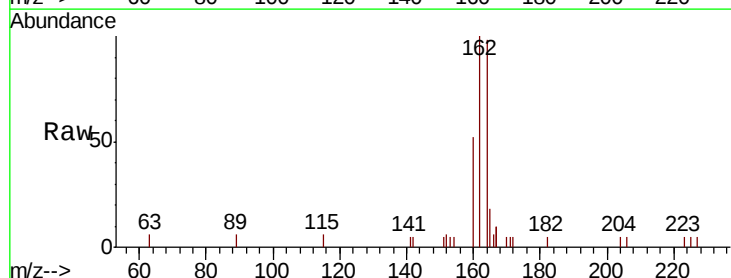
Tgt Ion:164 Resp: 1920

Ion Ratio Lower Upper

164 100

162 102.1 77.8 116.8

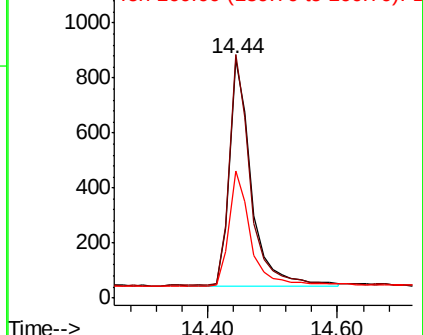
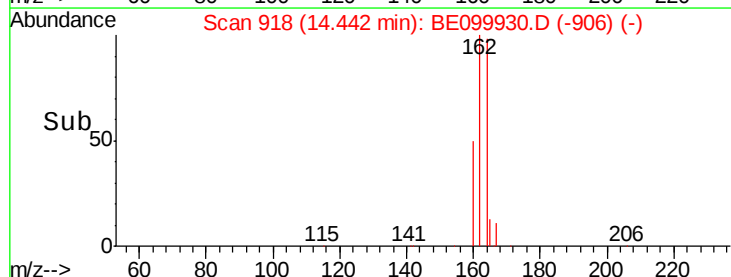
160 53.3 38.2 57.4

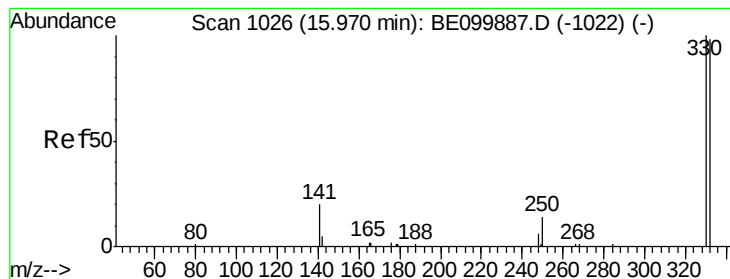


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

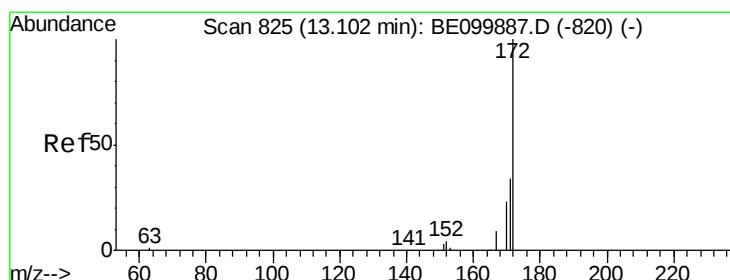
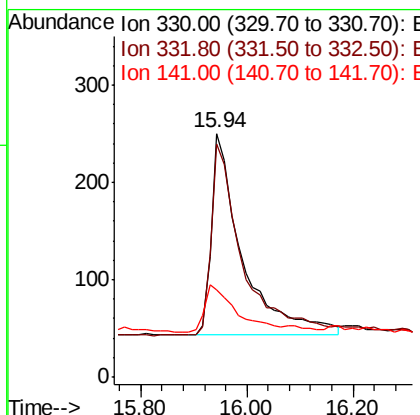
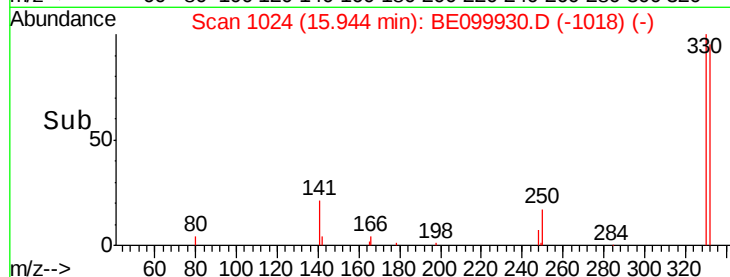
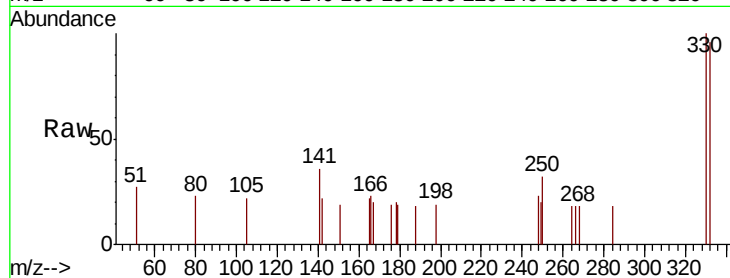




#14
 2,4,6-Tribromophenol
 Concen: 0.588 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.03 min
 Lab File: BE099930.D
 Acq: 11 Jun 2019 18:45

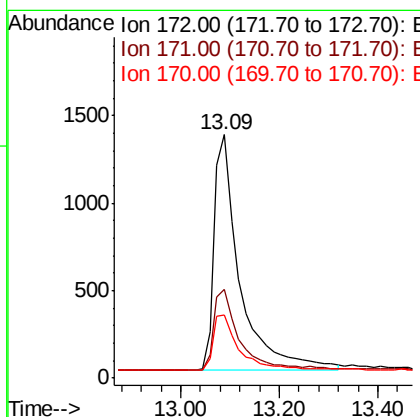
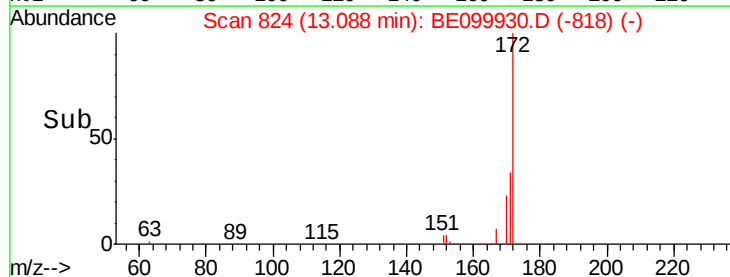
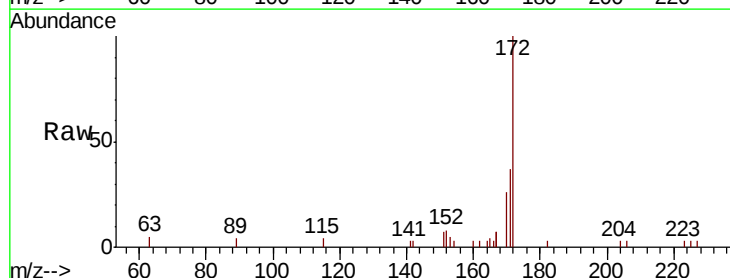
Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

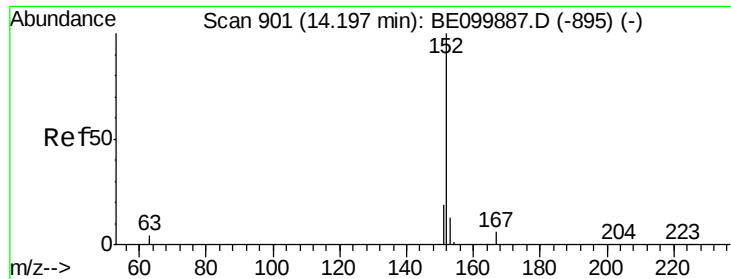
Tgt Ion: 330 Resp: 834
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.7 115.1
 141 23.9 21.0 31.6



#15
 2-Fluorobiphenyl
 Concen: 0.668 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BE099930.D
 Acq: 11 Jun 2019 18:45

Tgt Ion: 172 Resp: 4862
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.2 43.8
 170 25.7 21.2 31.8

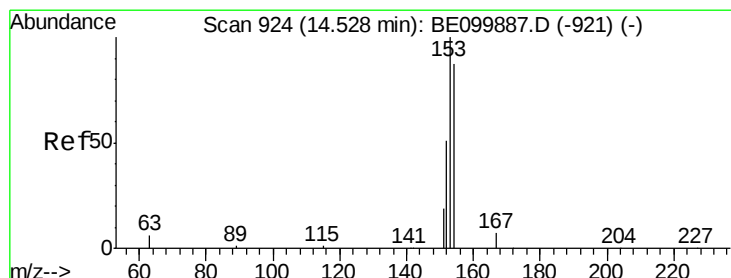
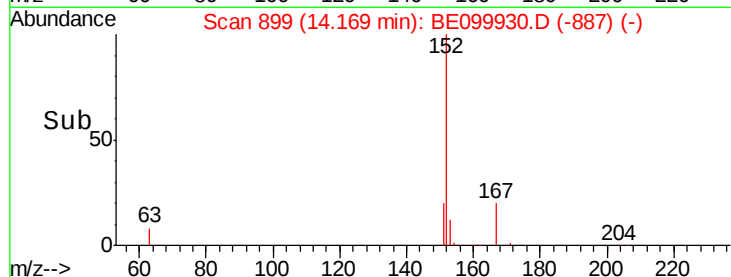
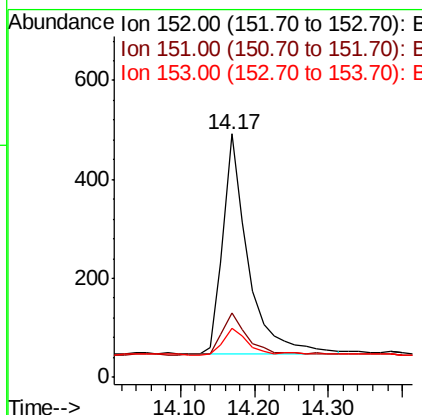
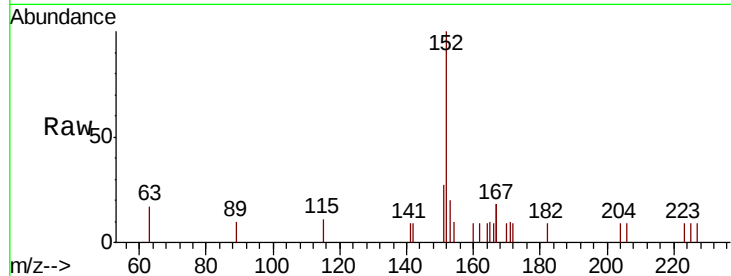




#16
Acenaphthylene
Concen: 0.110 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.03 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

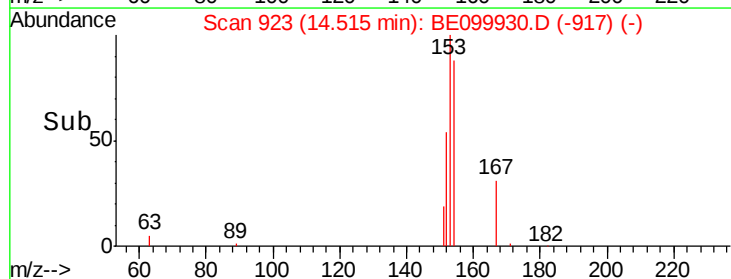
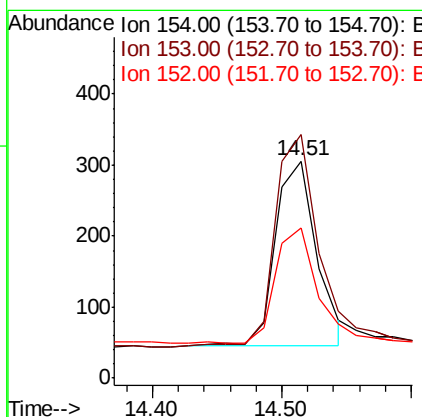
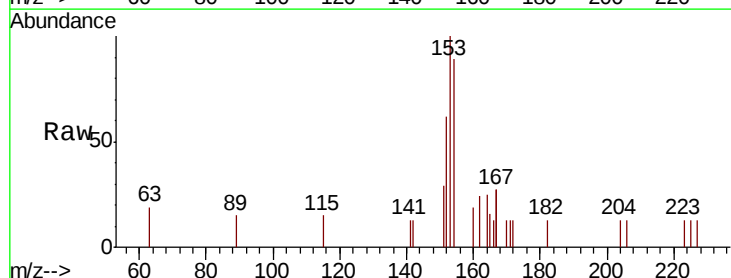
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

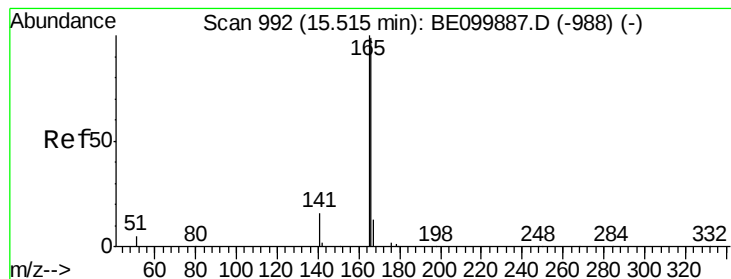
Tgt Ion:152 Resp: 1053
Ion Ratio Lower Upper
152 100
151 21.2 15.5 23.3
153 12.8 10.2 15.2



#17
Acenaphthene
Concen: 0.110 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Tgt Ion:154 Resp: 574
Ion Ratio Lower Upper
154 100
153 116.6 93.1 139.7
152 62.4 47.0 70.4





#18

Fluorene

Concen: 0.116 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.03 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

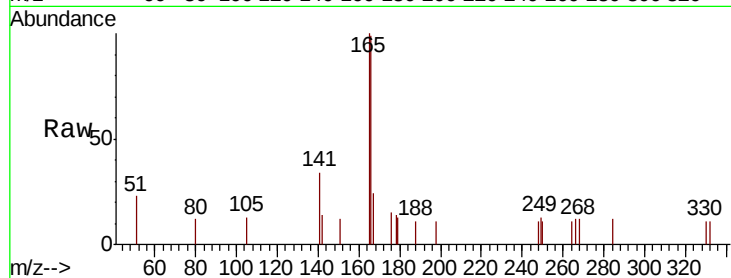
Tgt Ion:166 Resp: 907

Ion Ratio Lower Upper

166 100

165 99.4 81.8 122.8

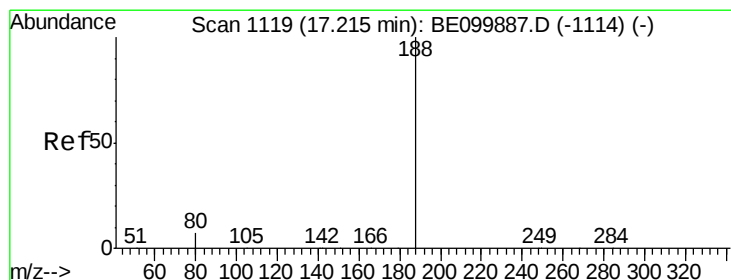
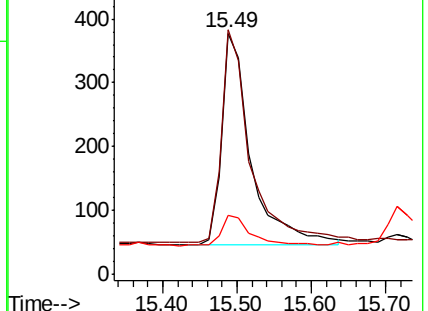
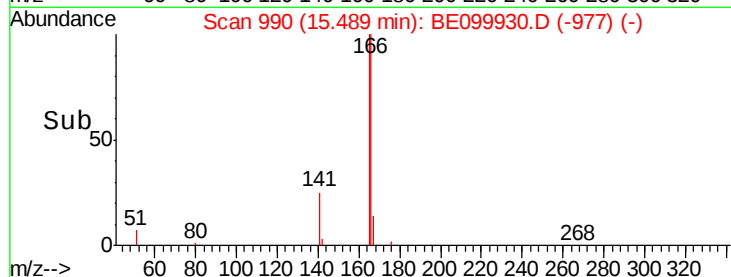
167 15.1 11.2 16.8



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: 17.19 min Scan# 1117

Delta R.T. -0.03 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

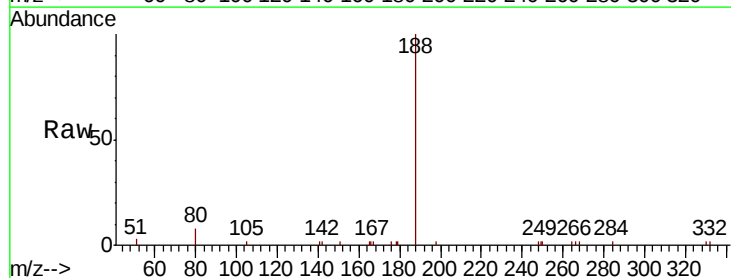
Tgt Ion:188 Resp: 6586

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

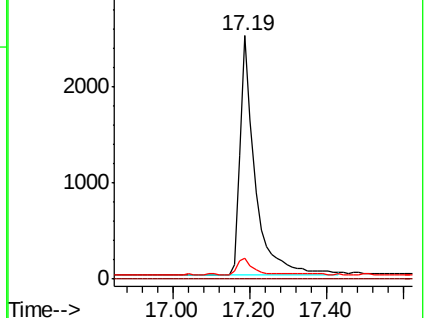
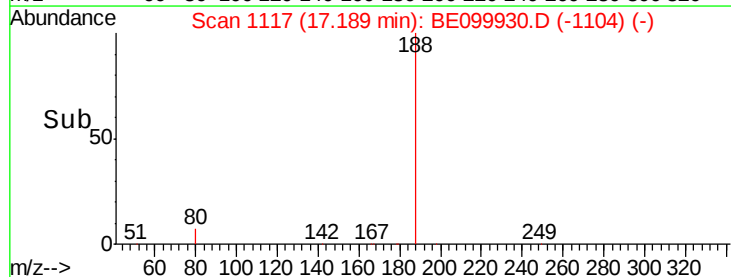
80 8.4 6.4 9.6

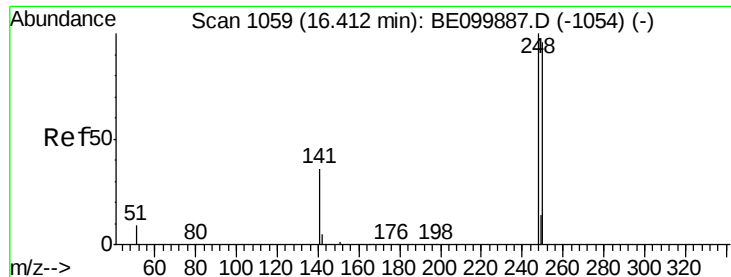


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

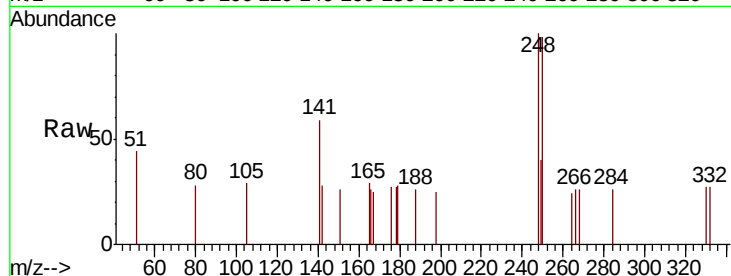




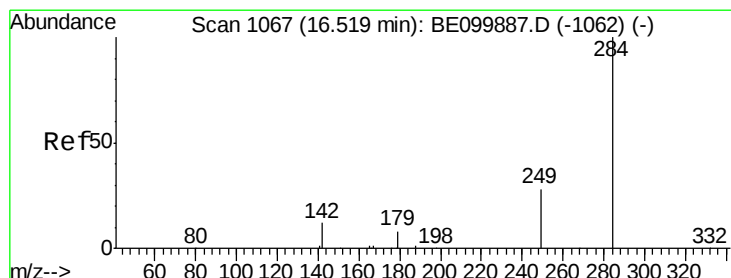
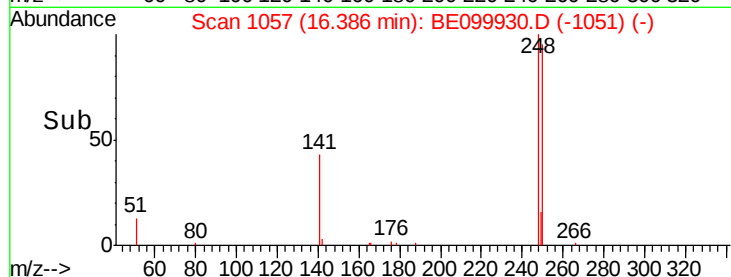
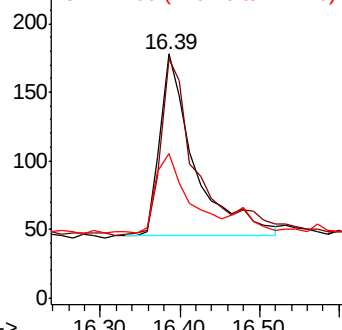
#20
4-Bromophenyl-phenylether
Concen: 0.108 ng
RT: 16.39 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:248 Resp: 404
Ion Ratio Lower Upper
248 100
250 97.8 77.5 116.3
141 59.0 31.8 47.8#

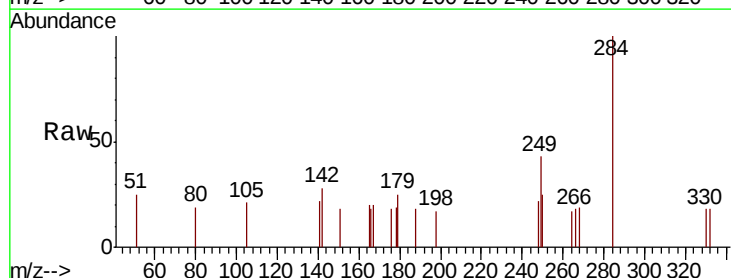


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

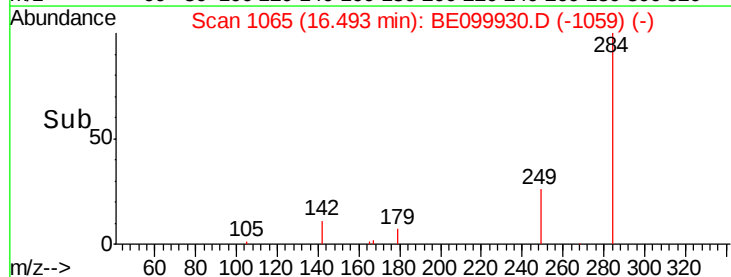
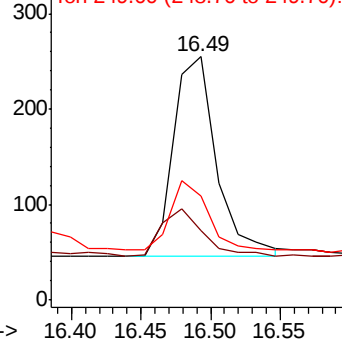


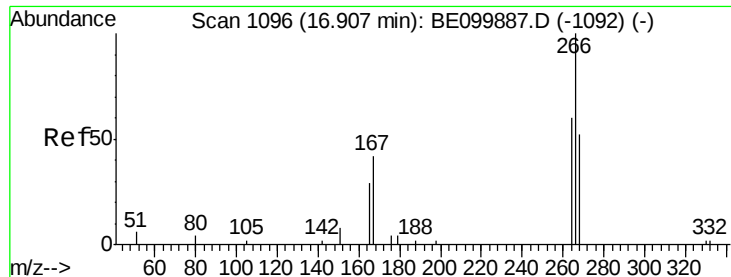
#21
Hexachlorobenzene
Concen: 0.117 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Tgt Ion:284 Resp: 447
Ion Ratio Lower Upper
284 100
142 23.0 18.2 27.4
249 28.9 24.6 37.0



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

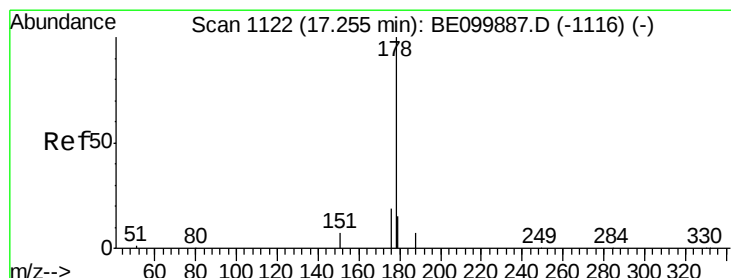
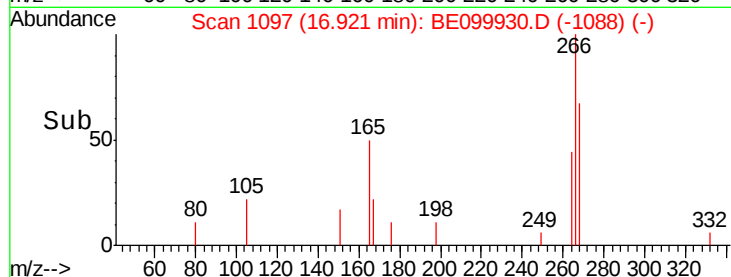
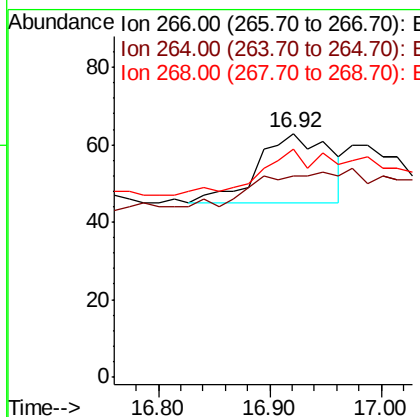
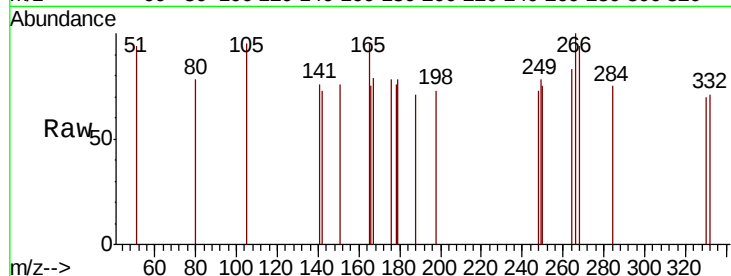




#22
 Pentachlorophenol
 Concen: 0.344 ng
 RT: 16.92 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: BE099930.D
 Acq: 11 Jun 2019 18:45

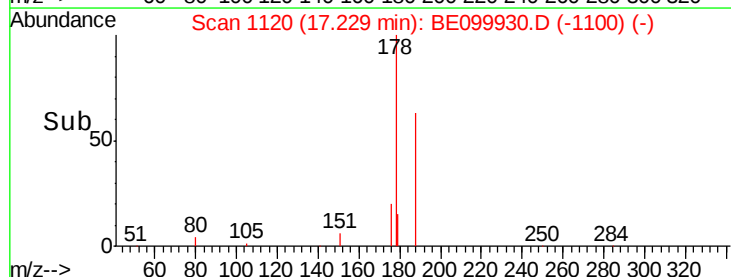
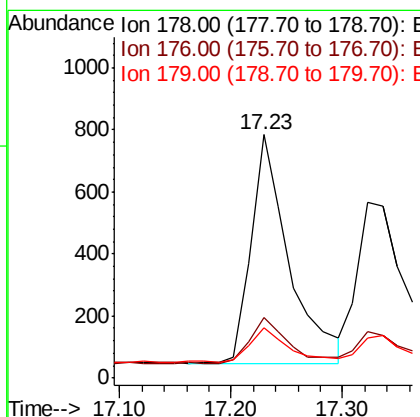
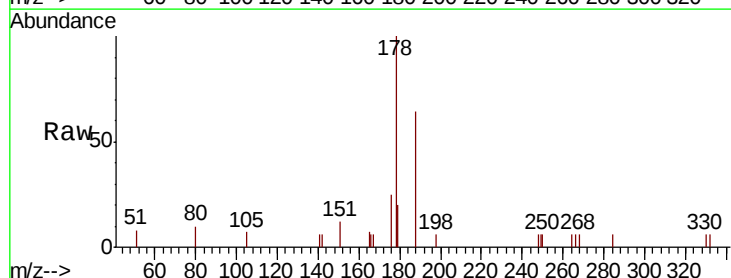
Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

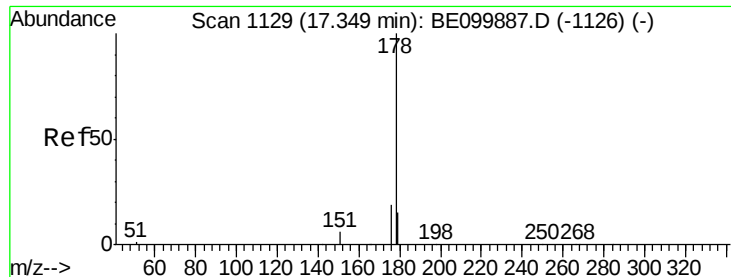
Tgt Ion: 266 Resp: 81
 Ion Ratio Lower Upper
 266 100
 264 82.5 62.2 93.2
 268 93.7 65.5 98.3



#23
 Phenanthrene
 Concen: 0.109 ng
 RT: 17.23 min Scan# 1120
 Delta R.T. -0.03 min
 Lab File: BE099930.D
 Acq: 11 Jun 2019 18:45

Tgt Ion: 178 Resp: 1737
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.8 23.8
 179 15.7 12.4 18.6





#24

Anthracene

Concen: 0.083 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.03 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

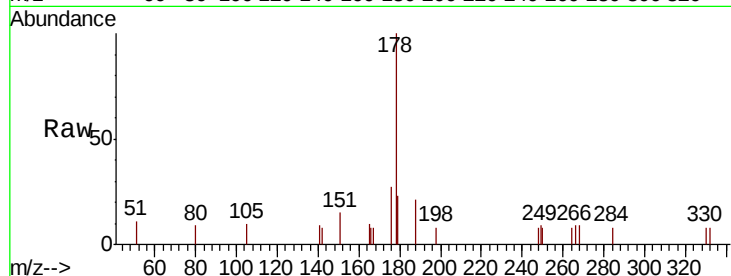
Tgt Ion:178 Resp: 1220

Ion Ratio Lower Upper

178 100

176 20.2 14.6 22.0

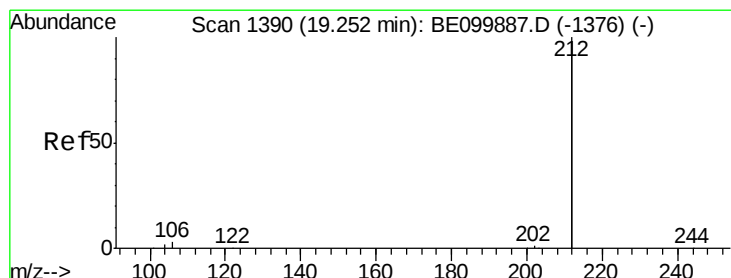
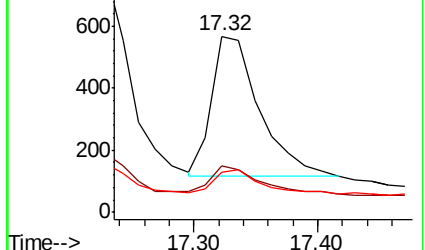
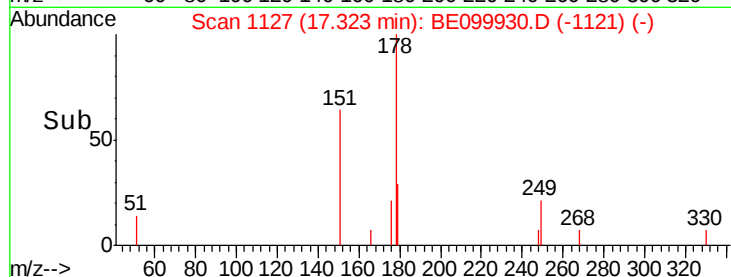
179 16.5 12.3 18.5



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: 0.352 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.03 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

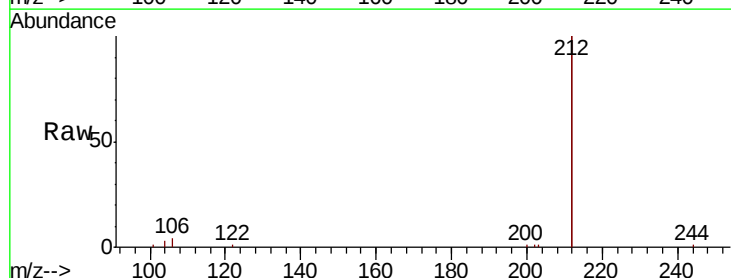
Tgt Ion:212 Resp: 33735

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

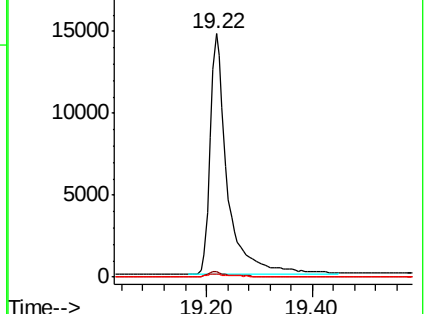
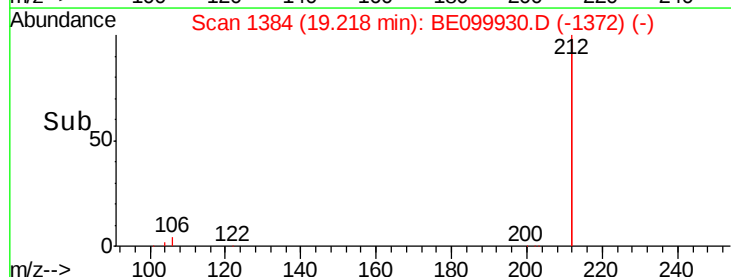
104 1.0 0.9 1.3

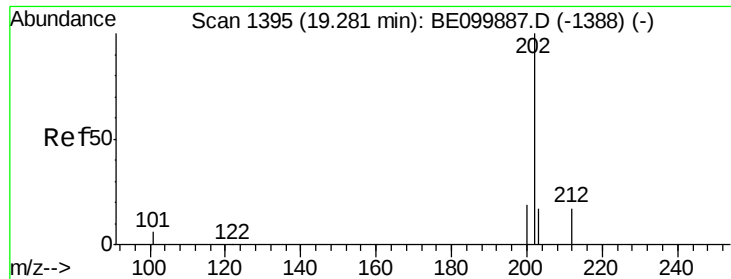


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

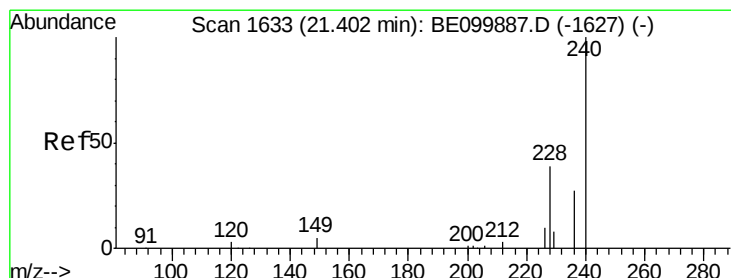
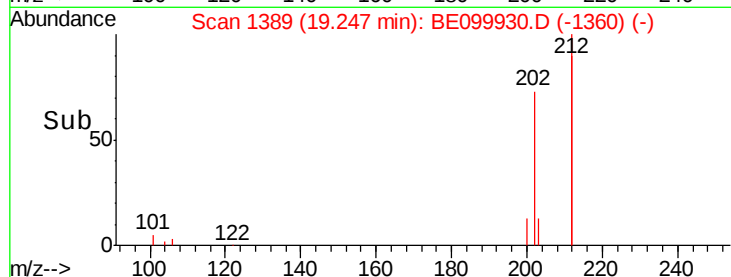
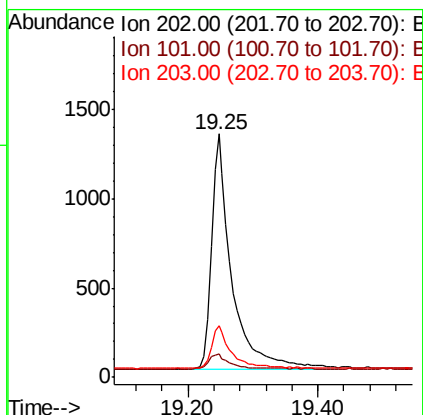
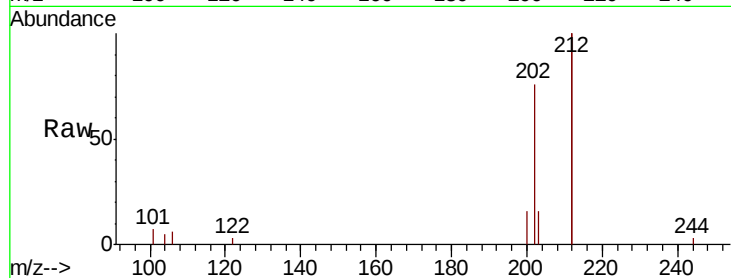




#26
Fluoranthene
Concen: 0.106 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.03 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

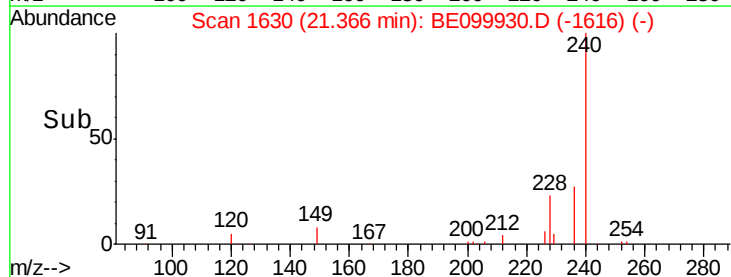
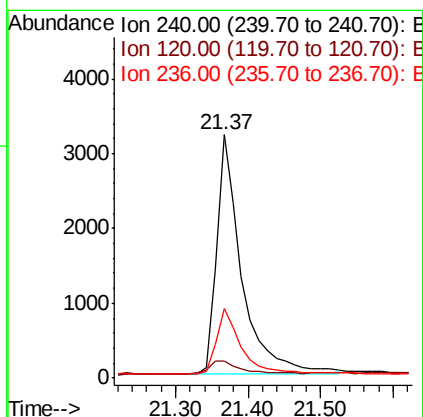
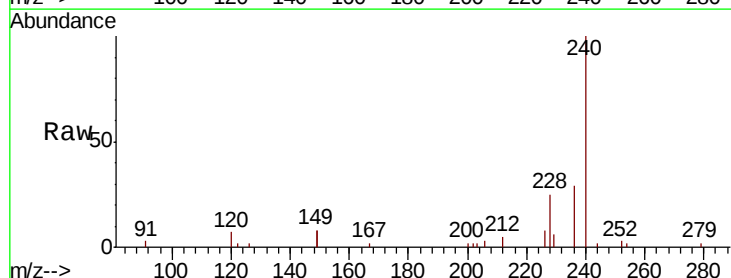
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

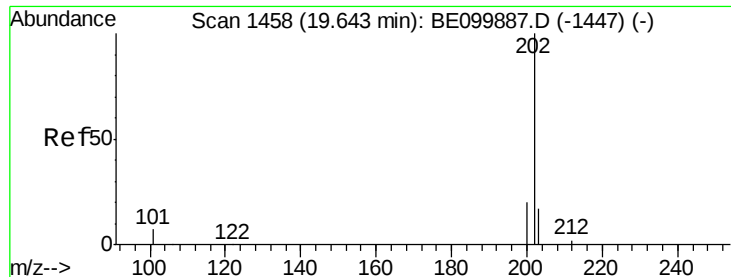
Tgt Ion:202 Resp: 2871
Ion Ratio Lower Upper
202 100
101 6.9 5.4 8.0
203 17.4 13.2 19.8



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Tgt Ion:240 Resp: 7761
Ion Ratio Lower Upper
240 100
120 6.9 3.8 5.6#
236 28.6 22.0 33.0

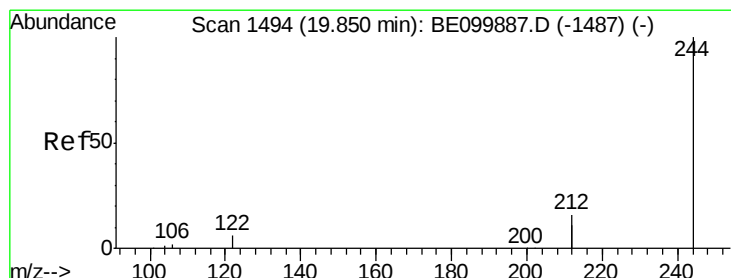
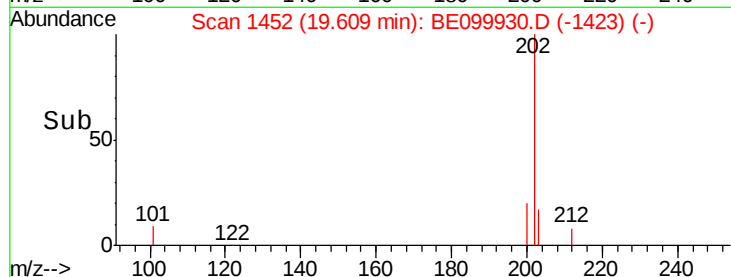
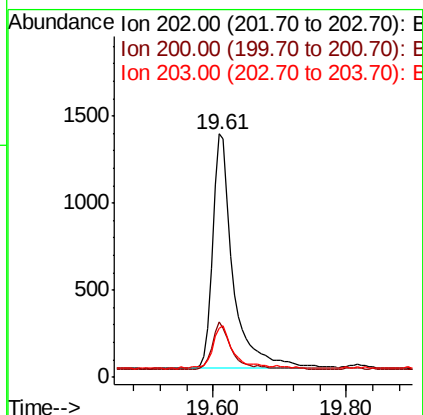
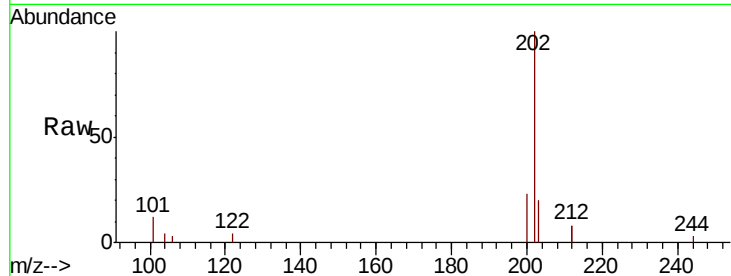




#28
Pyrene
Concen: 0.140 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.03 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

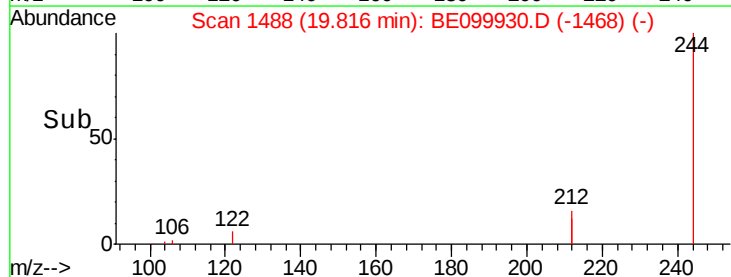
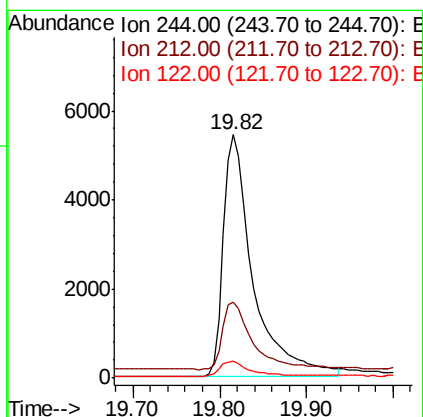
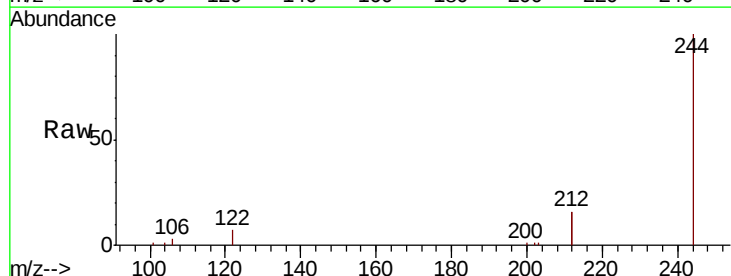
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

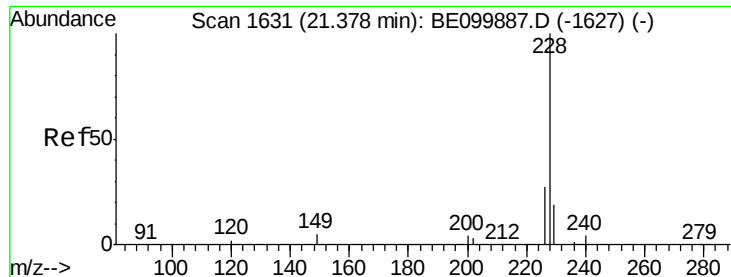
Tgt Ion: 202 Resp: 2848
Ion Ratio Lower Upper
202 100
200 19.4 15.5 23.3
203 19.3 14.0 21.0



#29
Terphenyl-d14
Concen: 0.924 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.03 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Tgt Ion: 244 Resp: 12909
Ion Ratio Lower Upper
244 100
212 31.2 25.7 38.5
122 6.8 5.5 8.3





#30

Benzo(a)anthracene

Concen: 0.102 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.02 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

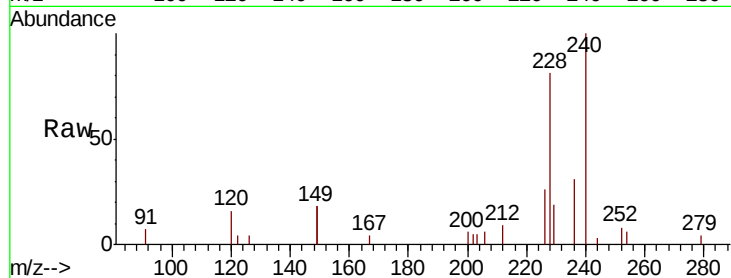
Tgt Ion:228 Resp: 2372

Ion Ratio Lower Upper

228 100

226 31.4 22.5 33.7

229 23.6 15.9 23.9

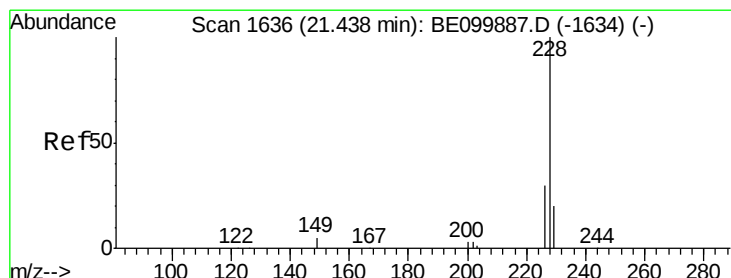
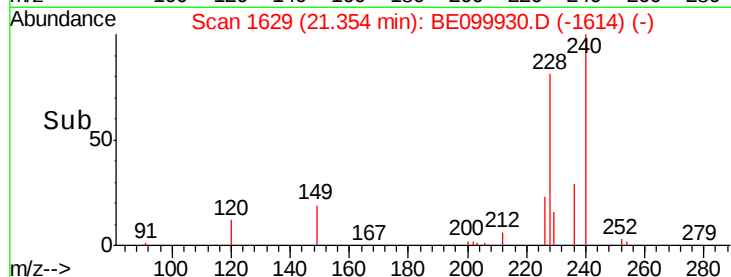
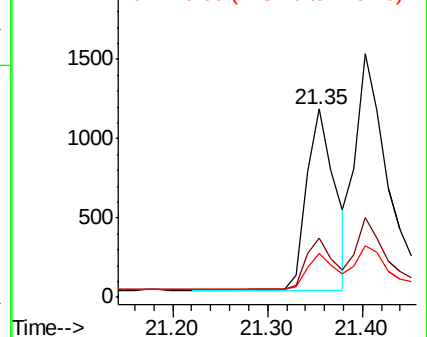


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.130 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.04 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

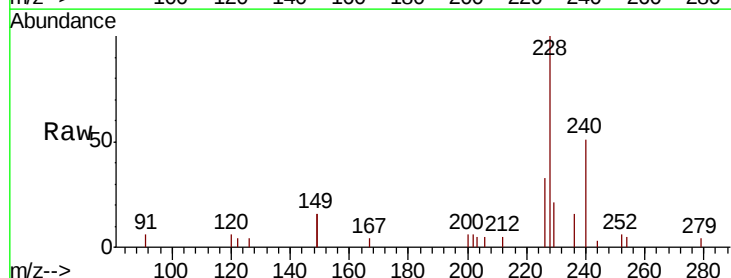
Tgt Ion:228 Resp: 3123

Ion Ratio Lower Upper

228 100

226 32.9 24.1 36.1

229 21.4 16.1 24.1

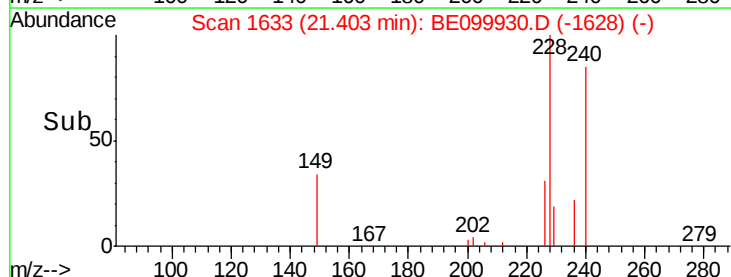
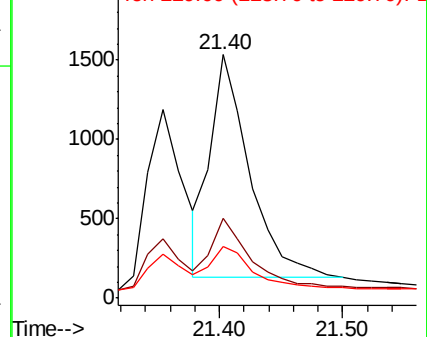


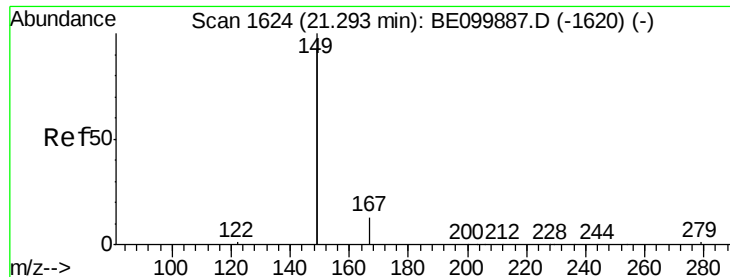
Abundance

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.104 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

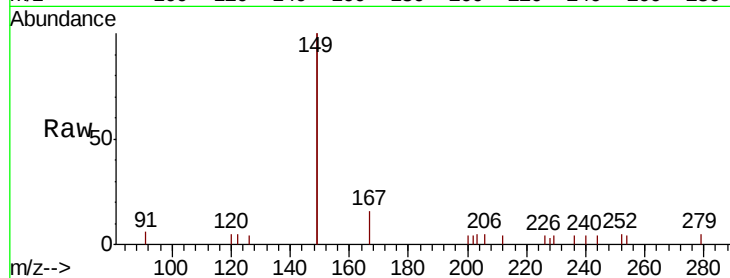
Tgt Ion:149 Resp: 3471

Ion Ratio Lower Upper

149 100

167 7.8 5.9 8.9

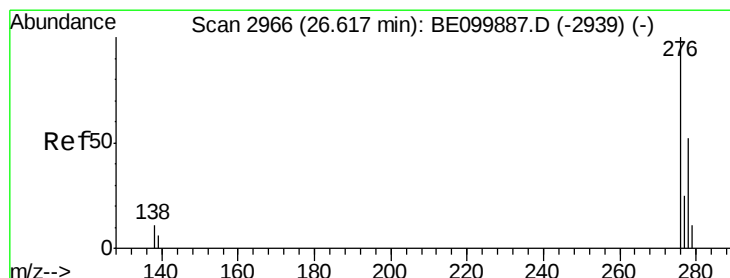
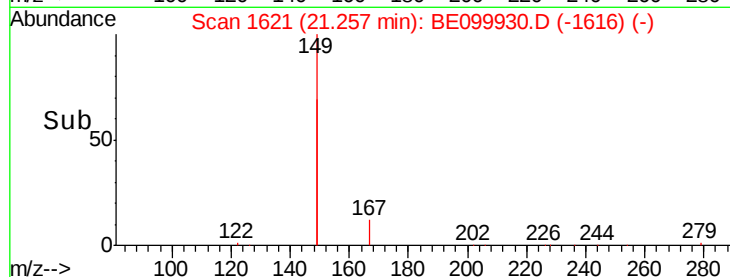
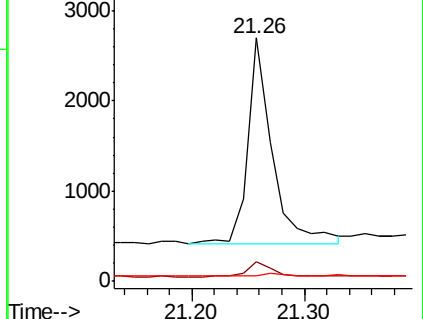
279 1.7 1.2 1.8



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: 0.104 ng

RT: 26.53 min Scan# 2943

Delta R.T. -0.08 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

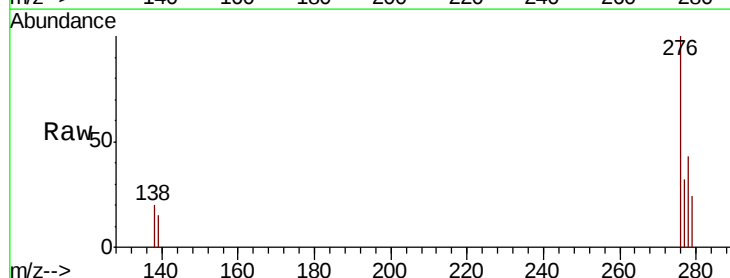
Tgt Ion:276 Resp: 2951

Ion Ratio Lower Upper

276 100

138 8.7 10.1 15.1#

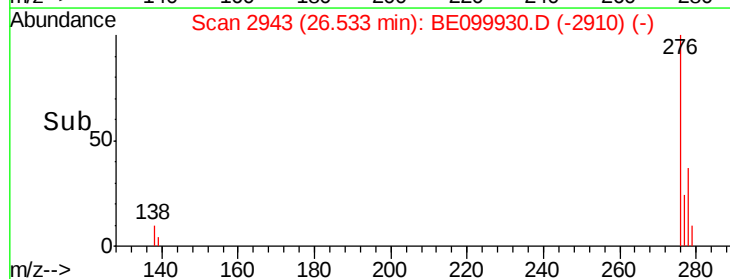
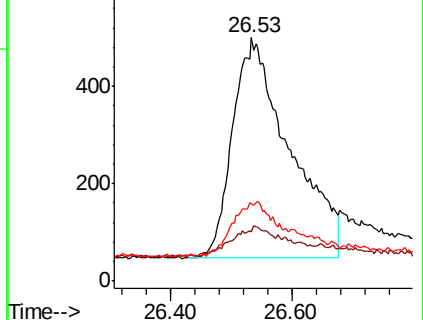
277 18.4 19.1 28.7#

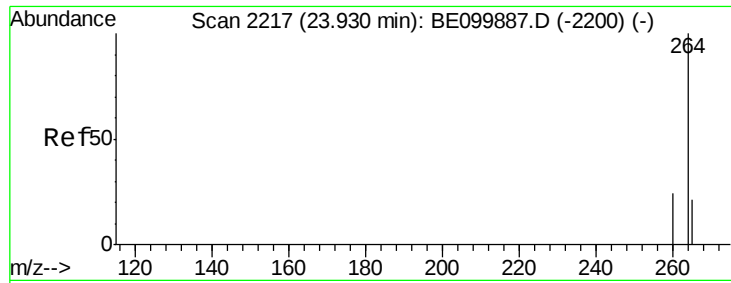


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

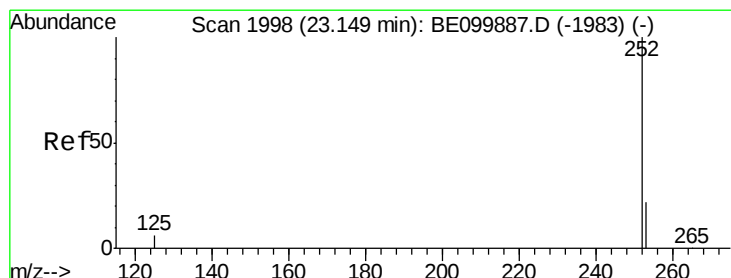
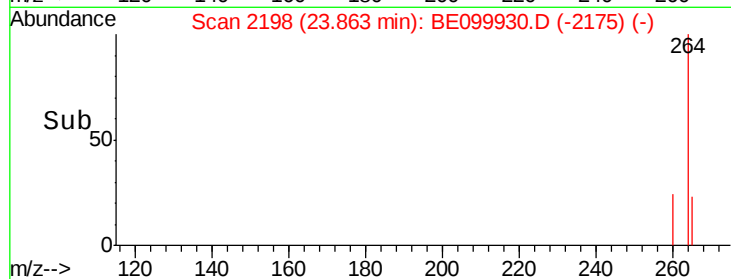
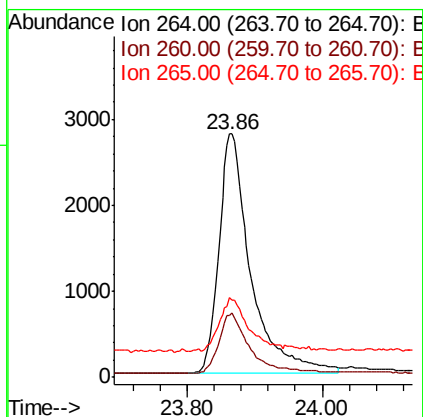
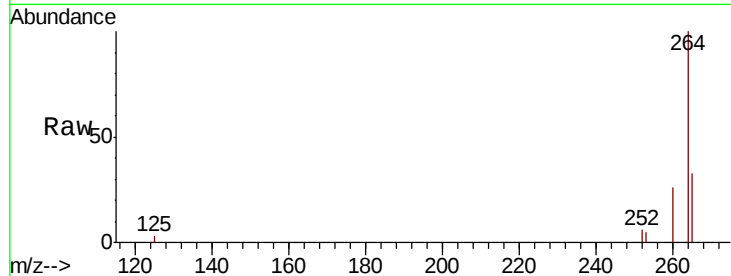




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.07 min
 Lab File: BE099930.D
 Acq: 11 Jun 2019 18:45

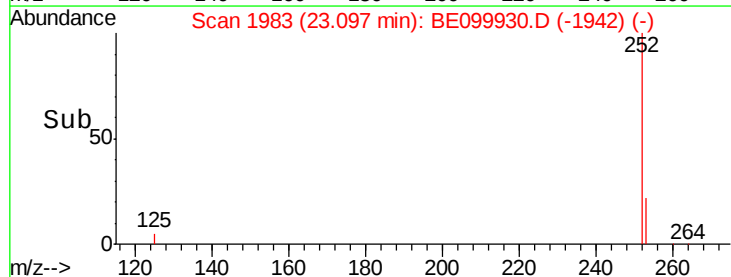
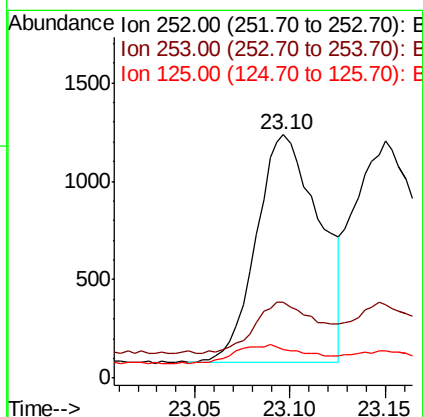
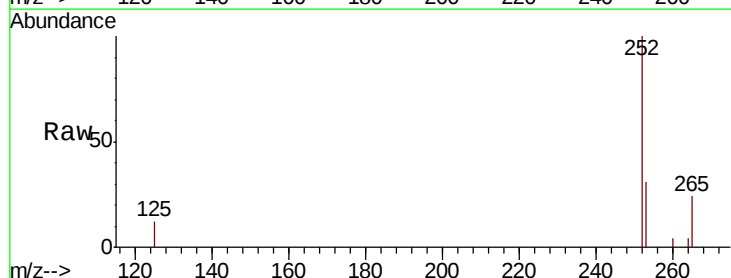
Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

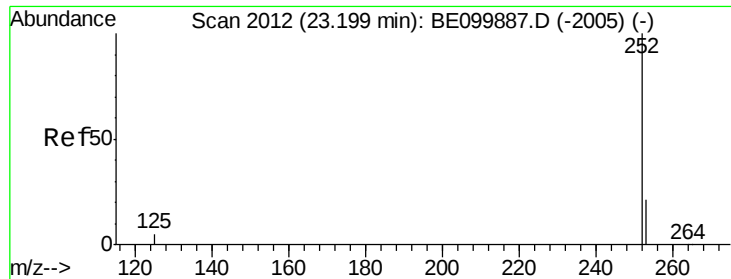
Tgt Ion: 264 Resp: 9064
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.2 30.2
 265 32.7 22.0 33.0



#35
Benzo(b)fluoranthene
 Concen: 0.105 ng
 RT: 23.10 min Scan# 1983
 Delta R.T. -0.05 min
 Lab File: BE099930.D
 Acq: 11 Jun 2019 18:45

Tgt Ion: 252 Resp: 2678
 Ion Ratio Lower Upper
 252 100
 253 31.4 18.7 28.1#
 125 11.6 5.7 8.5#

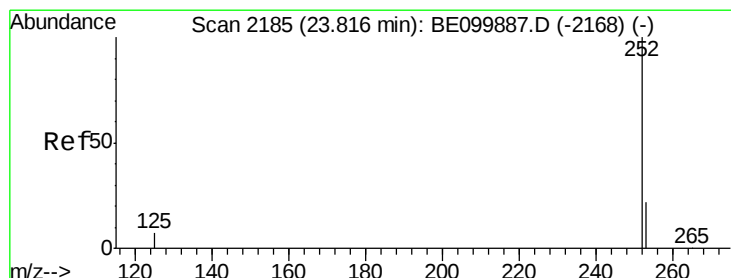
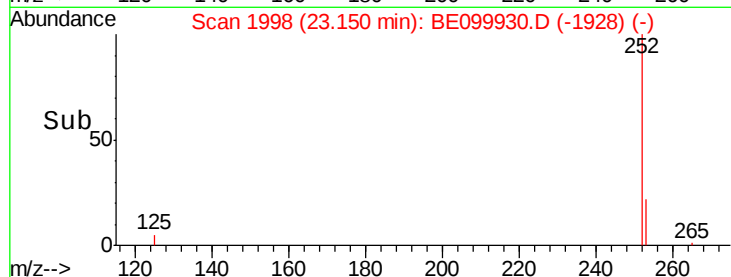
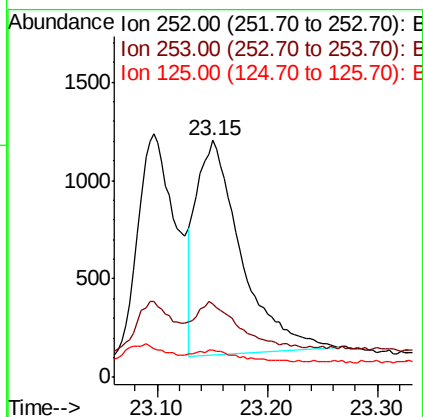
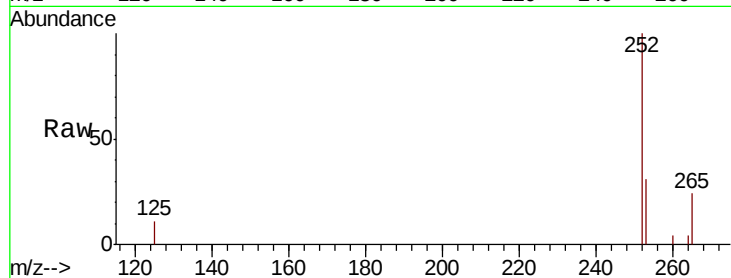




#36
Benzo(k)fluoranthene
Concen: 0.116 ng
RT: 23.15 min Scan# 1998
Delta R.T. -0.05 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

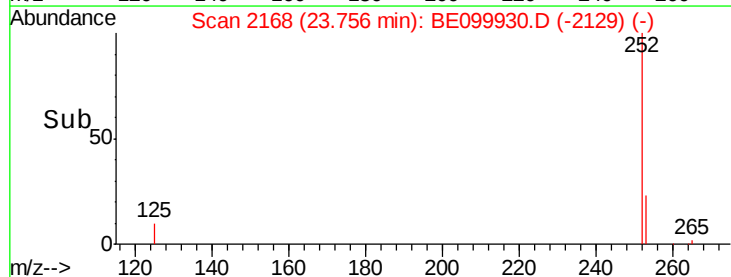
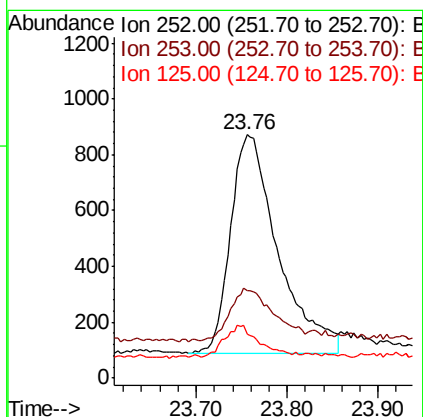
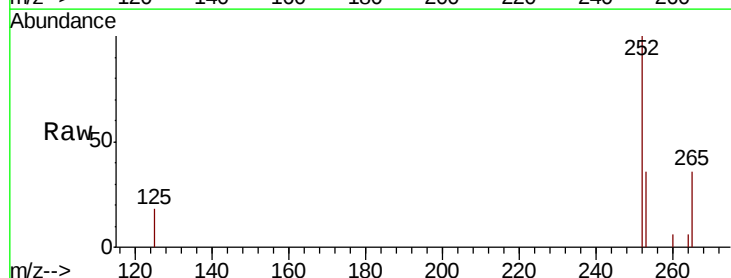
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

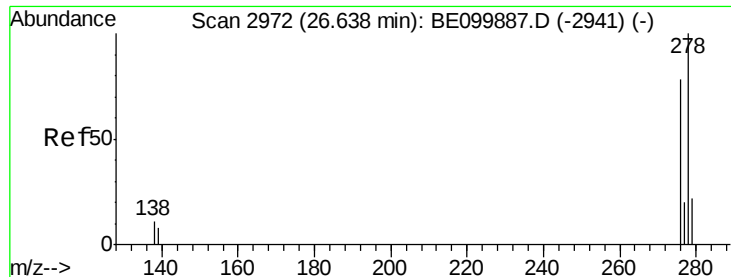
Tgt Ion:252 Resp: 3081
Ion Ratio Lower Upper
252 100
253 30.9 18.6 28.0#
125 11.3 5.4 8.0#



#37
Benzo(a)pyrene
Concen: 0.113 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.06 min
Lab File: BE099930.D
Acq: 11 Jun 2019 18:45

Tgt Ion:252 Resp: 2815
Ion Ratio Lower Upper
252 100
253 36.1 19.6 29.4#
125 18.1 6.6 10.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.023 ng

RT: 26.55 min Scan# 2949

Delta R.T. -0.08 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

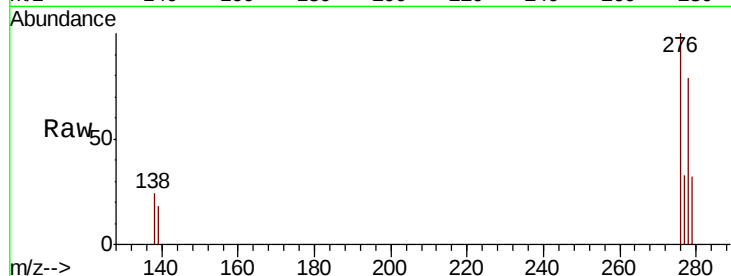
Tgt Ion:278 Resp: 581

Ion Ratio Lower Upper

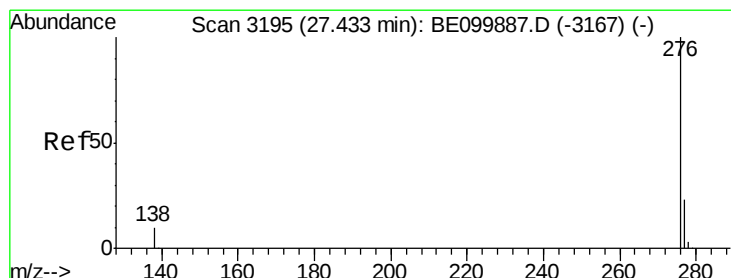
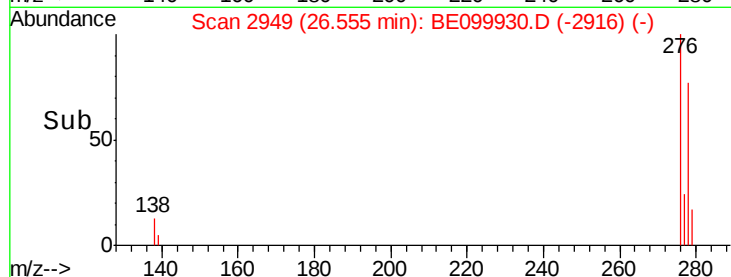
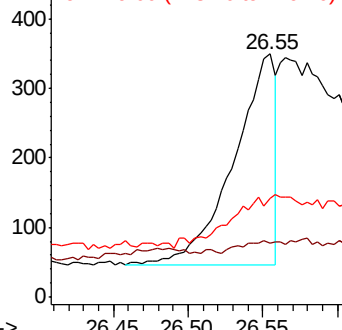
278 100

139 22.3 7.8 11.8#

279 40.6 20.0 30.0#



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: 0.113 ng

RT: 27.34 min Scan# 3168

Delta R.T. -0.10 min

Lab File: BE099930.D

Acq: 11 Jun 2019 18:45

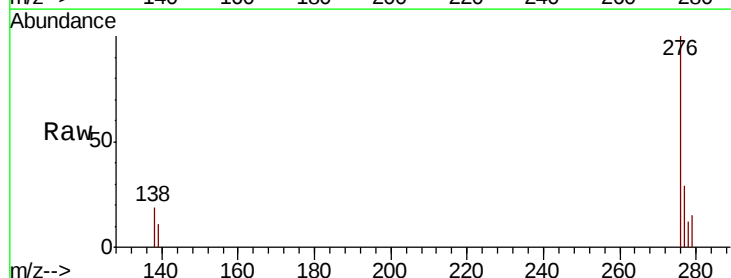
Tgt Ion:276 Resp: 2933

Ion Ratio Lower Upper

276 100

277 29.3 19.5 29.3

138 19.2 9.5 14.3#



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

