

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
 Data File : BE099809.D
 Acq On : 5 Jun 2019 18:24
 Operator : JU/SJ
 Sample : K2241-01
 Misc : LOD-SIM-0.1PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jun 06 01:40:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 05 14:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1040	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	3274	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	2306	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	7558	0.40	ng	0.01
27) Chrysene-d12	21.43	240	13239	0.40	ng	0.01
34) Perylene-d12	23.96	264	15767	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	964	0.38	ng	0.01
5) Phenol-d6	6.99	99	1125	0.35	ng	0.02
8) Nitrobenzene-d5	8.99	82	806	0.28	ng	0.03
11) 2-Methylnaphthalene-d10	12.24	152	901	0.16	ng	0.03
14) 2,4,6-Tribromophenol	16.01	330	296	0.31	ng	0.03
15) 2-Fluorobiphenyl	13.13	172	2708	0.32	ng	0.03
25) Fluoranthene-d10	19.27	212	21082	0.19	ng	0.01
29) Terphenyl-d14	19.87	244	8273	0.38	ng	0.01

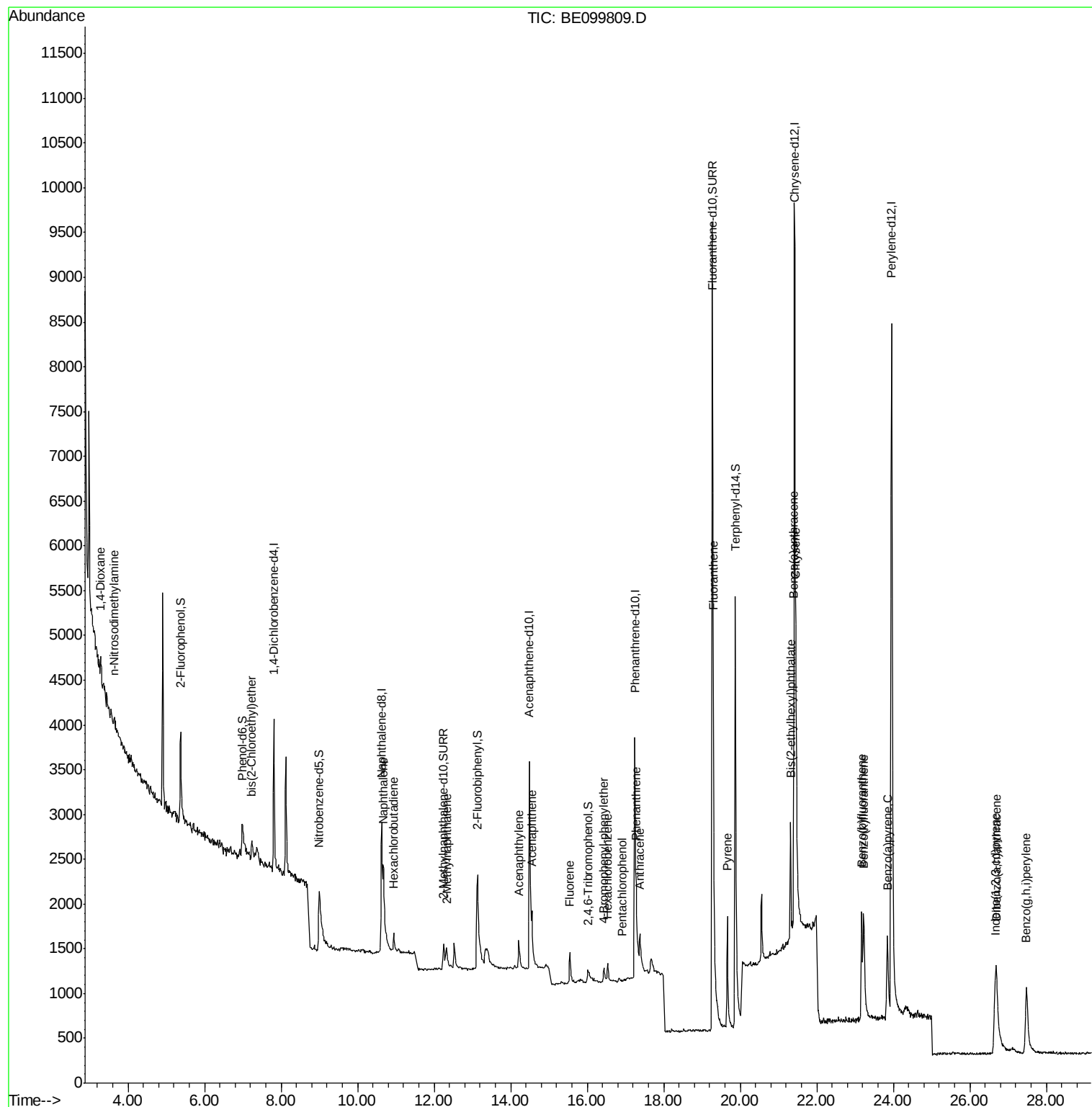
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	153	0.101	ng	# 21
3) n-Nitrosodimethylamine	3.62	42	41	0.051	ng	# 71
6) bis(2-Chloroethyl)ether	7.23	93	160	0.056	ng	97
9) Naphthalene	10.68	128	2181	0.062	ng	# 86
10) Hexachlorobutadiene	10.94	225	154	0.058	ng	# 85
12) 2-Methylnaphthalene	12.32	142	252	0.045	ng	# 84
16) Acenaphthylene	14.21	152	574	0.052	ng	97
17) Acenaphthene	14.56	154	303	0.050	ng	90
18) Fluorene	15.54	166	448	0.050	ng	# 87
20) 4-Bromophenyl-phenylether	16.44	248	218	0.052	ng	# 86
21) Hexachlorobenzene	16.53	284	239	0.052	ng	96
22) Pentachlorophenol	16.92	266	8	0.285	ng	88
23) Phenanthrene	17.28	178	923	0.051	ng	98
24) Anthracene	17.38	178	625	0.038	ng	# 90
26) Fluoranthene	19.30	202	1894	0.060	ng	99
28) Pyrene	19.66	202	1915	0.060	ng	99
30) Benzo(a)anthracene	21.40	228	1796	0.049	ng	# 87
31) Chrysene	21.45	228	2619	0.065	ng	94
32) Bis(2-ethylhexyl)phthalate	21.32	149	2143	0.051	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.66	276	1280	0.026	ng	# 84
35) Benzo(b)fluoranthene	23.17	252	2171	0.050	ng	# 83
36) Benzo(k)fluoranthene	23.22	252	2776	0.060	ng	# 85
37) Benzo(a)pyrene	23.84	252	2273	0.054	ng	# 82
38) Dibenzo(a,h)anthracene	26.70	278	1703	0.040	ng	# 73
39) Benzo(g,h,i)perylene	27.48	276	2476	0.055	ng	# 88

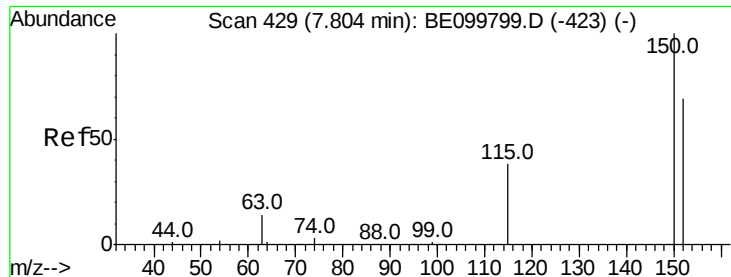
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. 0.00 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

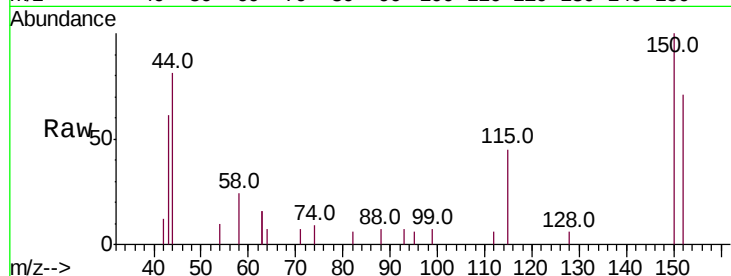
Tot Ion:152 Resp: 1040

Ion Ratio Lower Upper

152 100

150 140.7 112.8 169.2

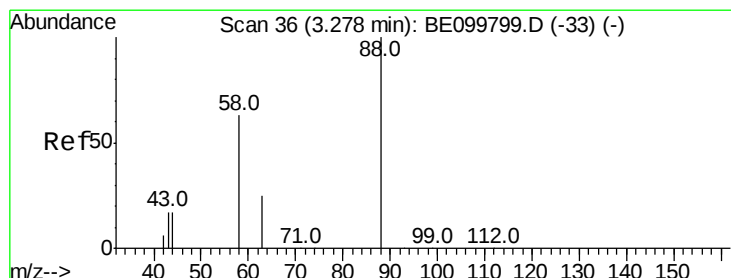
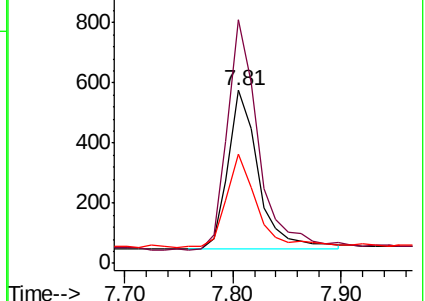
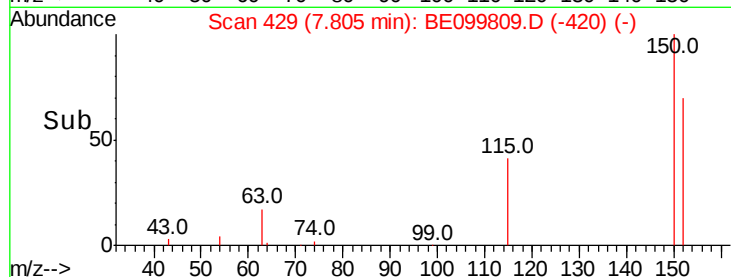
115 63.5 47.6 71.4



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: 0.101 ng

RT: 3.28 min Scan# 36

Delta R.T. 0.00 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

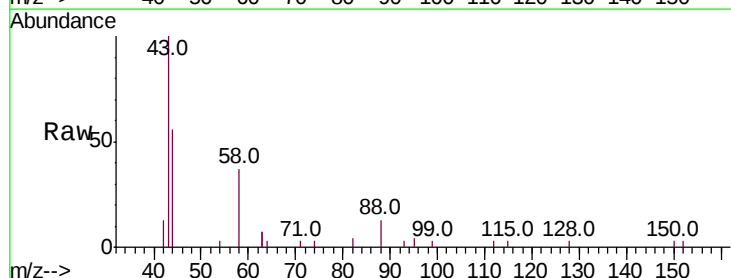
Tgt Ion: 88 Resp: 153

Ion Ratio Lower Upper

88 100

58 127.5 47.3 70.9#

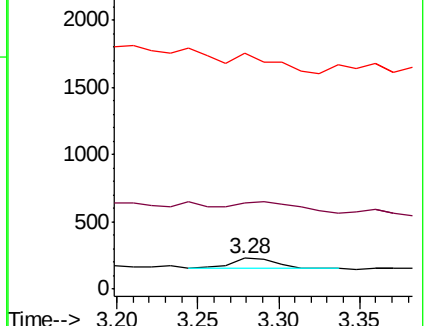
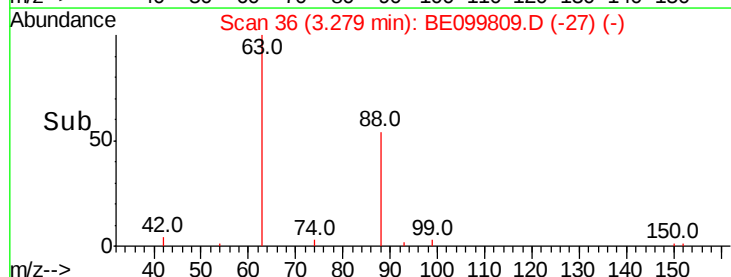
43 0.0 18.2 27.4#

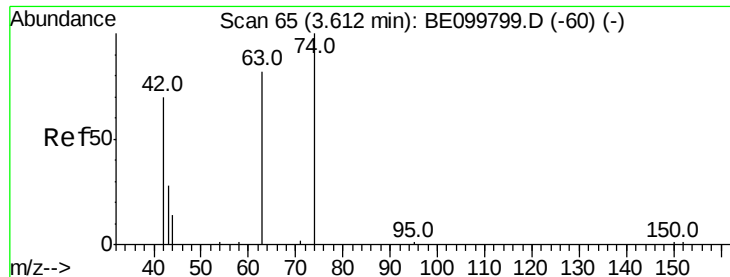


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.051 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

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LOD-MDL-SOIL-01-QT2-2019

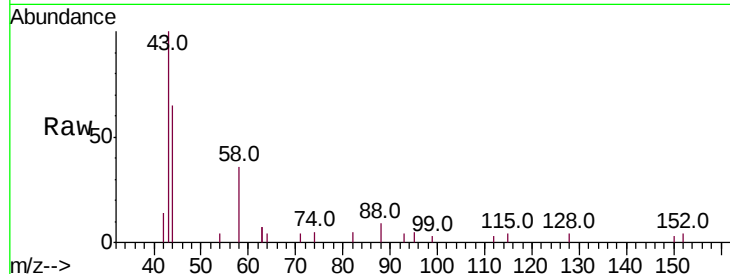
Tot Ion: 42 Resp: 41

Ion Ratio Lower Upper

42 100

74 165.9 132.6 198.8

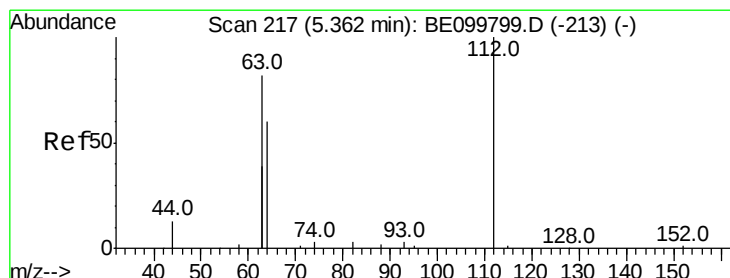
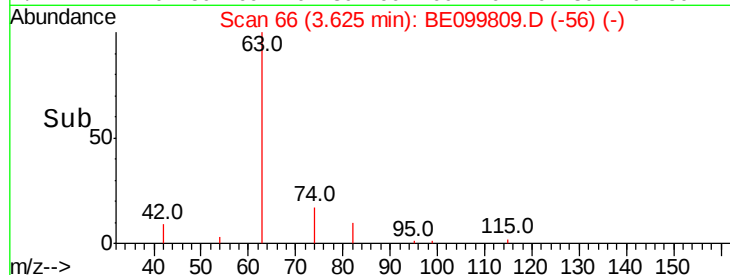
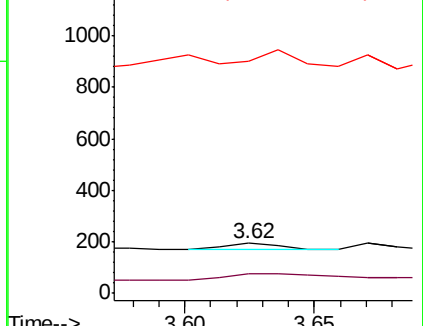
44 151.2 13.4 20.0#



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: 0.381 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

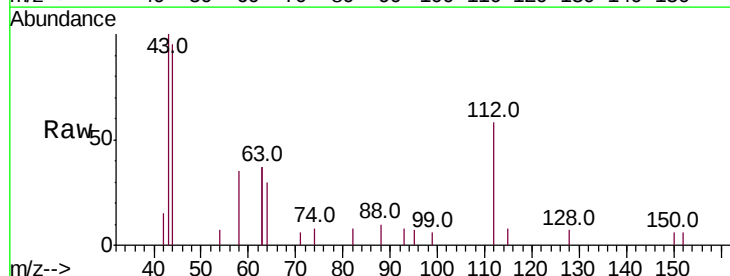
Tgt Ion: 112 Resp: 964

Ion Ratio Lower Upper

112 100

64 50.7 47.2 70.8

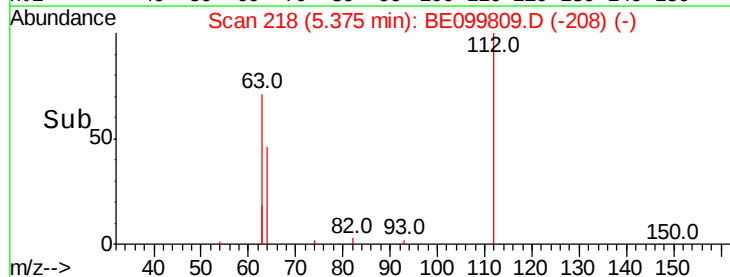
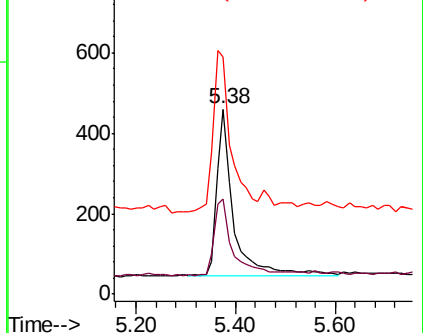
63 103.6 90.7 136.1

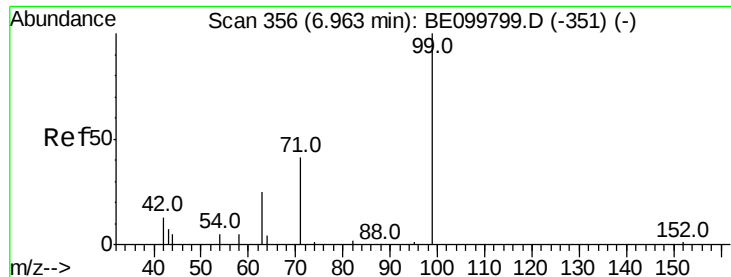


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.346 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.02 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

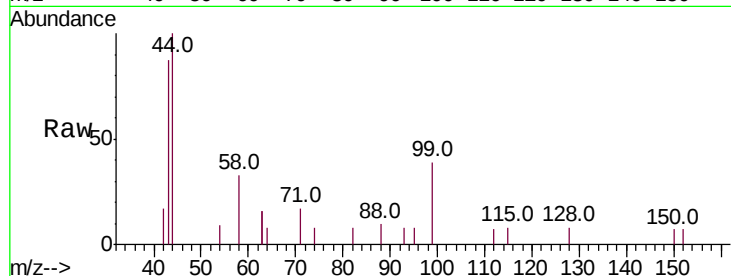
Tot Ion: 99 Resp: 1125

Ion Ratio Lower Upper

99 100

42 10.1 11.0 16.4#

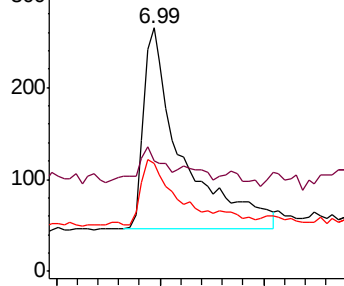
71 29.0 26.1 39.1



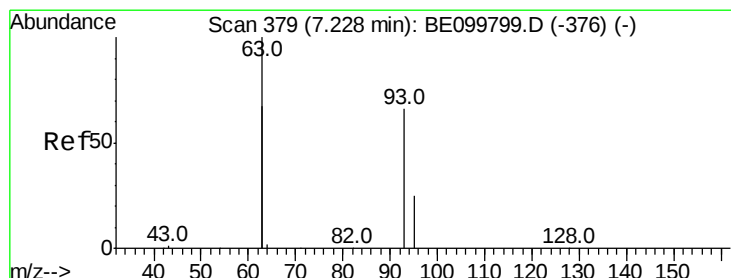
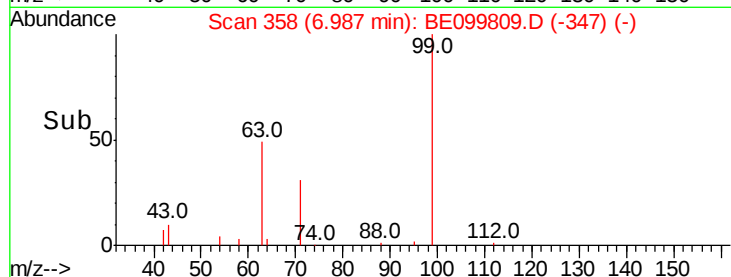
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time--> 6.80 7.00 7.20



#6

bis(2-Chloroethyl)ether

Concen: 0.056 ng

RT: 7.23 min Scan# 379

Delta R.T. 0.00 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

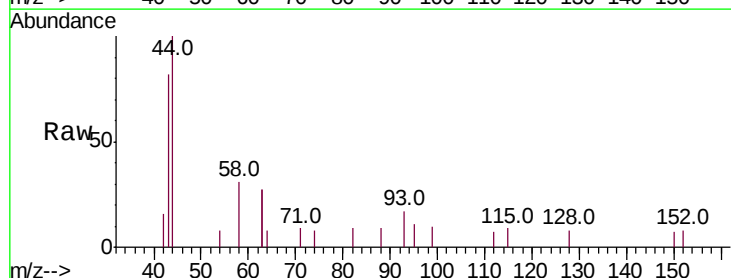
Tgt Ion: 93 Resp: 160

Ion Ratio Lower Upper

93 100

63 266.3 208.8 313.2

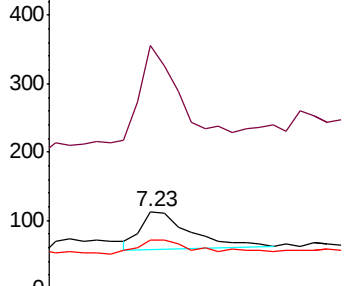
95 38.8 27.6 41.4



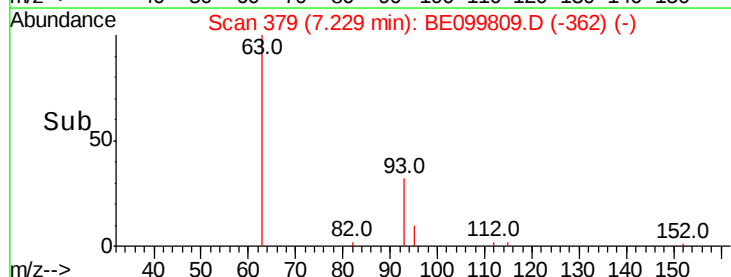
Abundance Ion 93.00 (92.70 to 93.70): BE0

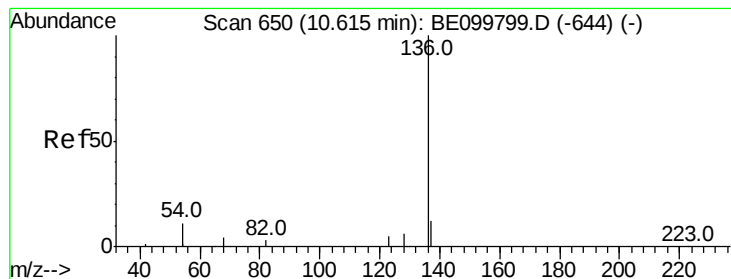
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time--> 7.15 7.20 7.25 7.30 7.35





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

Tot Ion:136 Resp: 3274

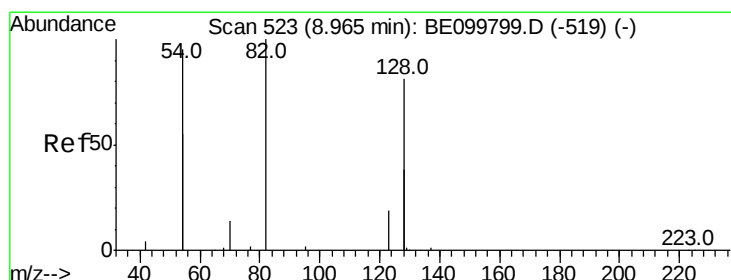
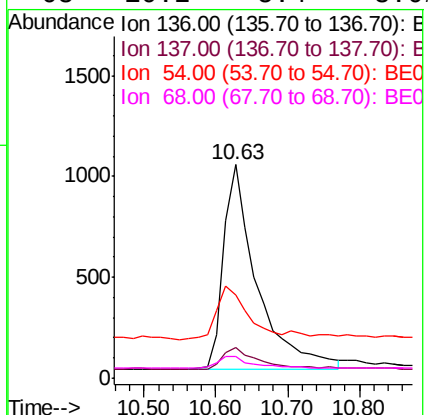
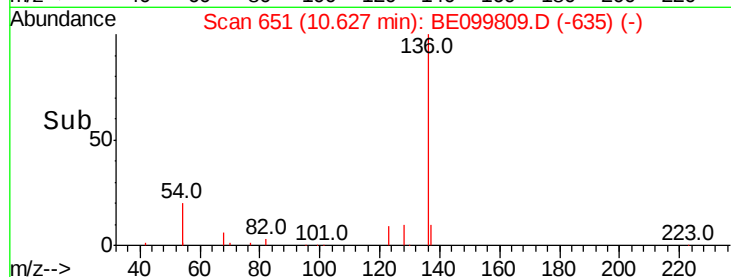
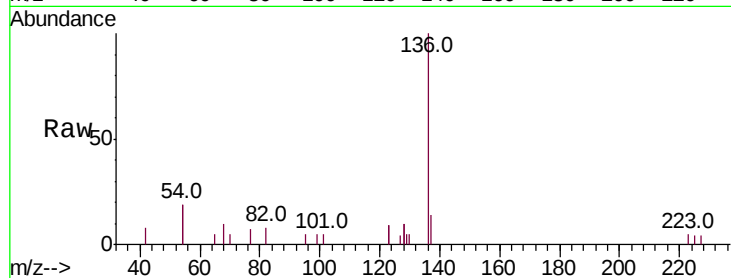
Ion Ratio Lower Upper

136 100

137 14.4 11.1 16.7

54 38.9 17.9 26.9#

68 10.2 5.4 8.0#



#8

Nitrobenzene-d5

Concen: 0.280 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

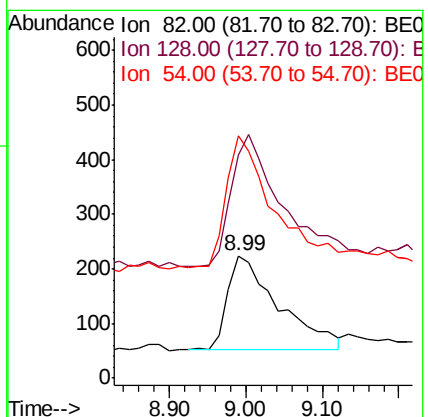
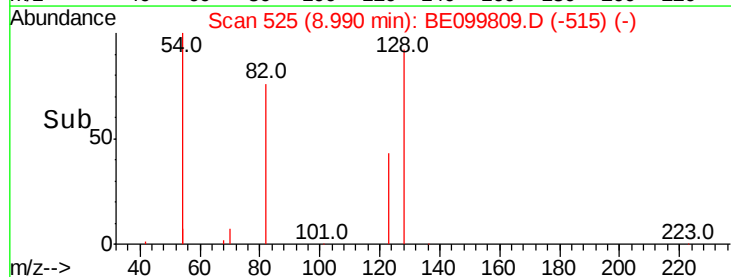
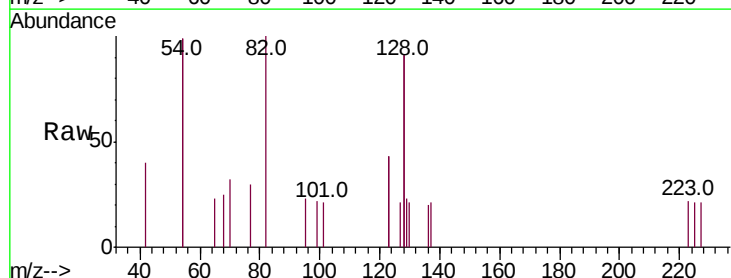
Tgt Ion: 82 Resp: 806

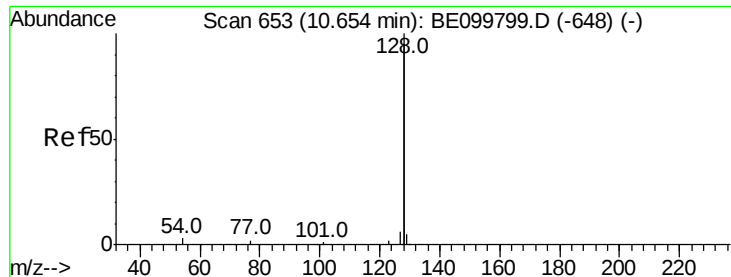
Ion Ratio Lower Upper

82 100

128 182.1 116.6 175.0#

54 198.2 136.2 204.4





#9

Naphthalene

Concen: 0.062 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.03 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

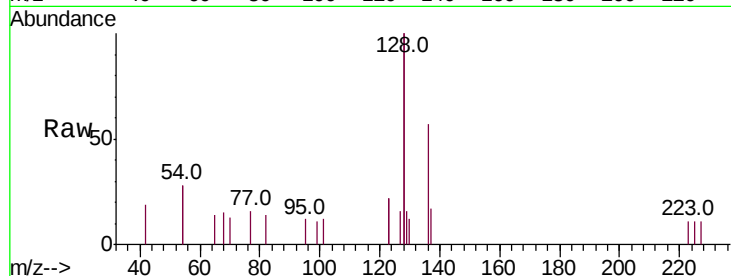
Tot Ion:128 Resp: 2181

Ion Ratio Lower Upper

128 100

129 8.2 2.6 4.0#

127 8.0 3.0 4.6#



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

10.68

800

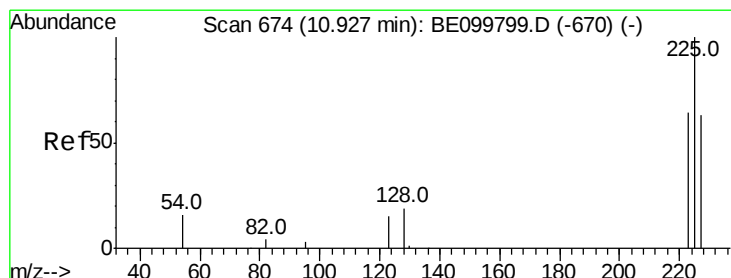
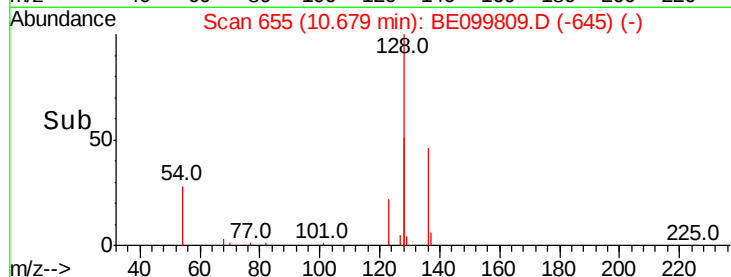
600

400

200

0

Time--> 10.50 10.60 10.70 10.80



#10

Hexachlorobutadiene

Concen: 0.058 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

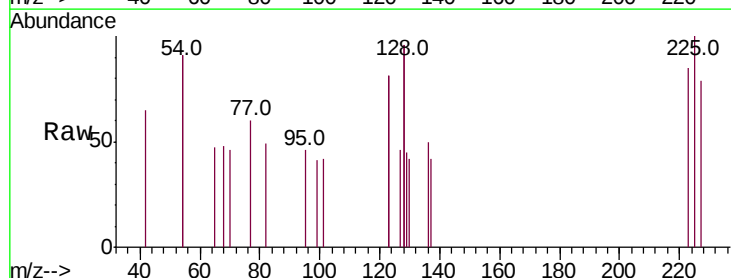
Tgt Ion:225 Resp: 154

Ion Ratio Lower Upper

225 100

223 75.3 48.6 72.8#

227 72.7 51.6 77.4



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

10.94

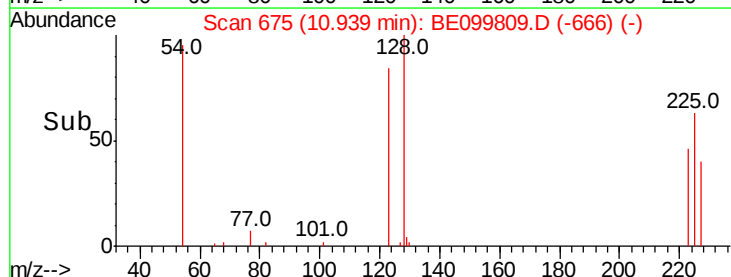
150

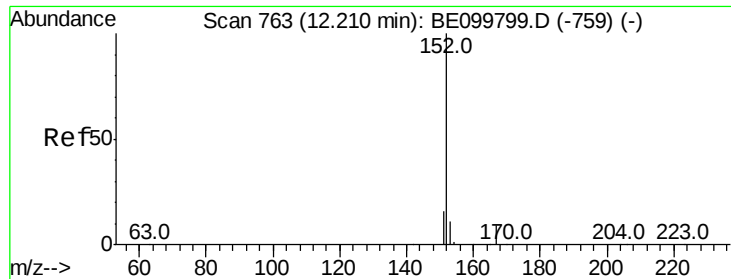
100

50

0

Time--> 10.85 10.90 10.95 11.00

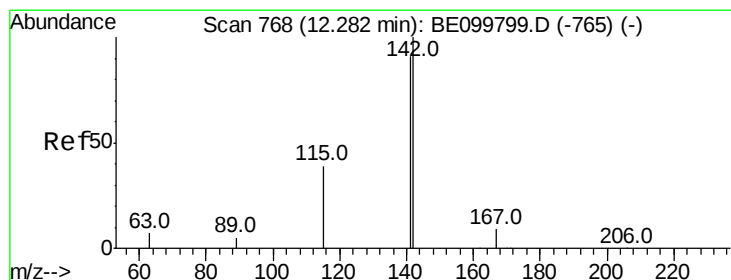
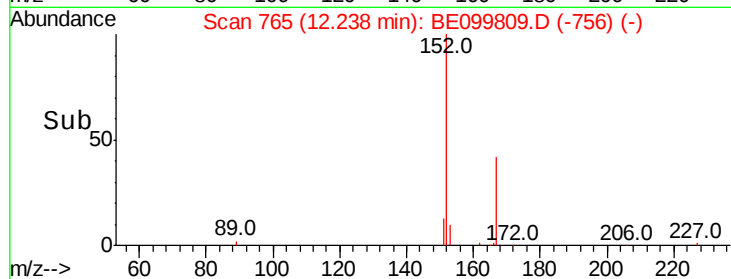
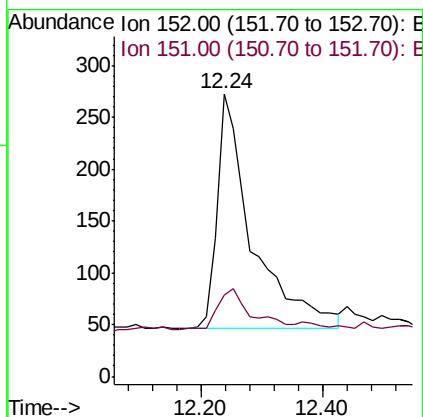
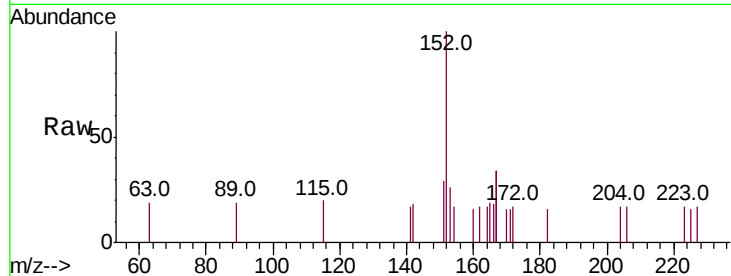




#11
2-Methylnaphthalene-d10
Concen: 0.160 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

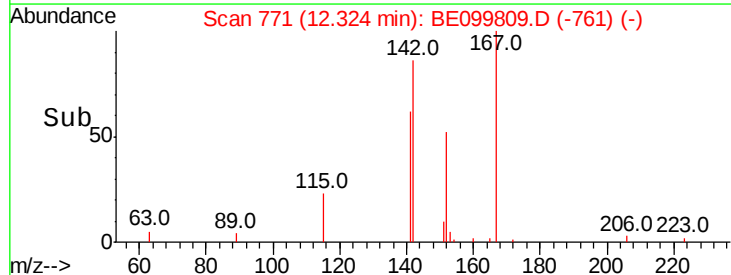
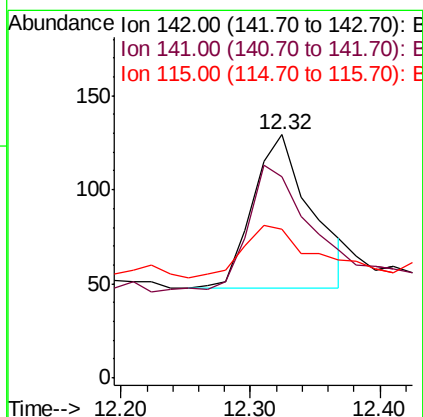
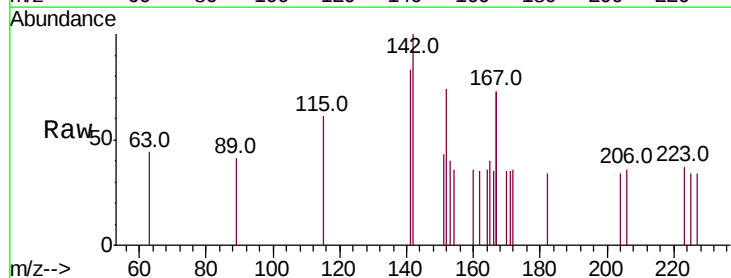
Instrument :
BNA_E
ClientSampleId :
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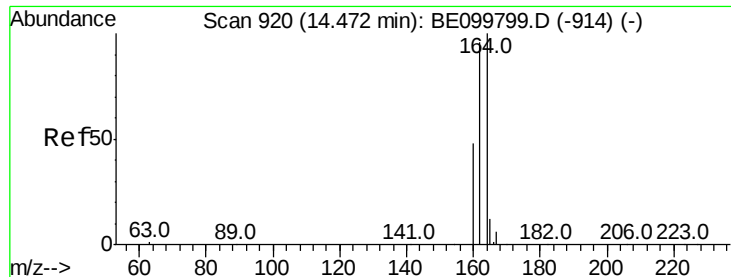
Tot Ion:152 Resp: 901
Ion Ratio Lower Upper
152 100
151 17.3 15.8 23.8



#12
2-Methylnaphthalene
Concen: 0.045 ng
RT: 12.32 min Scan# 771
Delta R.T. 0.04 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:142 Resp: 252
Ion Ratio Lower Upper
142 100
141 82.9 73.3 109.9
115 61.2 33.4 50.2#

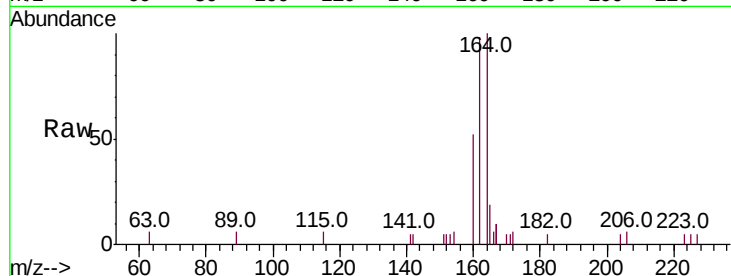




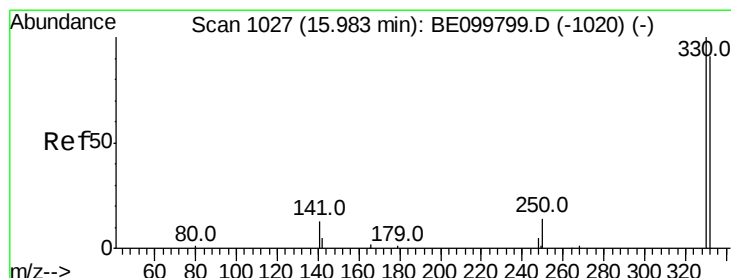
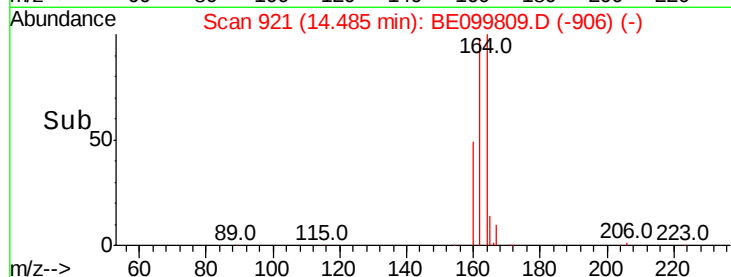
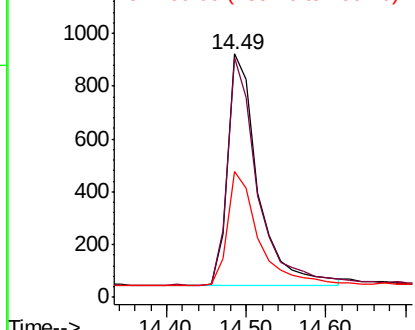
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

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

Tot Ion:164 Resp: 2306
Ion Ratio Lower Upper
164 100
162 98.3 77.2 115.8
160 51.9 39.4 59.2

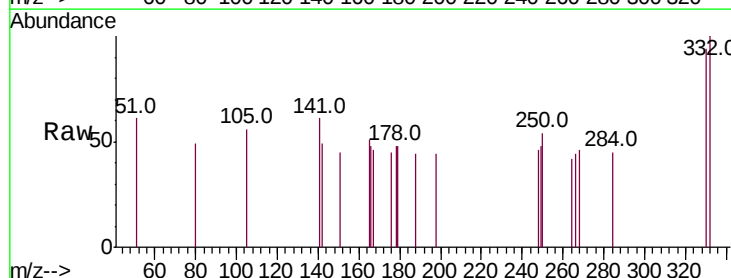


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

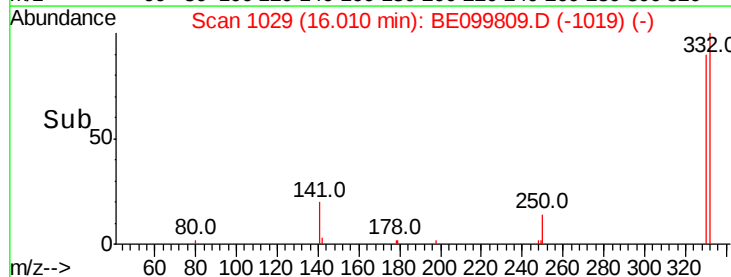
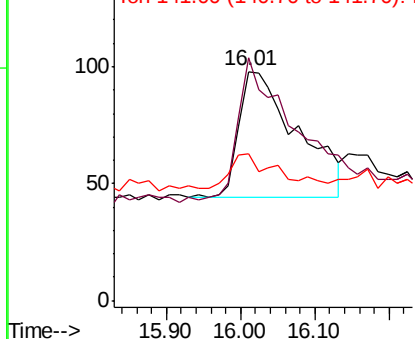


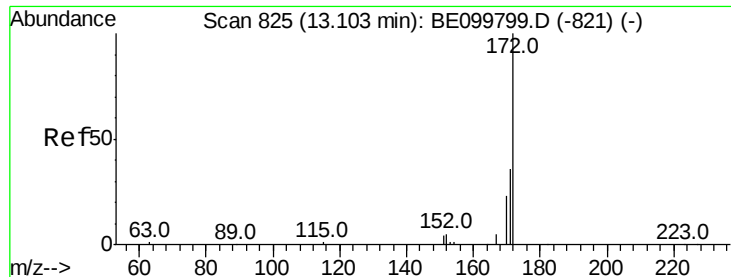
#14
2,4,6-Tribromophenol
Concen: 0.306 ng
RT: 16.01 min Scan# 1029
Delta R.T. 0.03 min
Lab File: BE099809.D
Acq: 5 Jun 2019 18:24

Tgt Ion:330 Resp: 296
Ion Ratio Lower Upper
330 100
332 122.0 74.9 112.3#
141 18.9 16.0 24.0



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: 0.316 ng

RT: 13.13 min Scan# 827

Delta R.T. 0.03 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

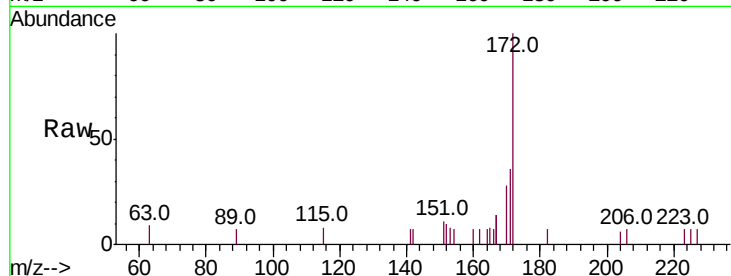
Tot Ion:172 Resp: 2708

Ion Ratio Lower Upper

172 100

171 36.1 30.2 45.4

170 28.3 20.1 30.1

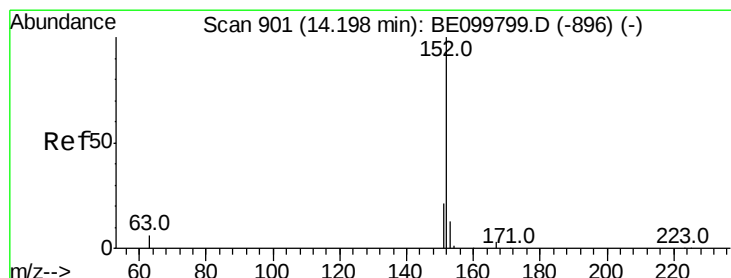
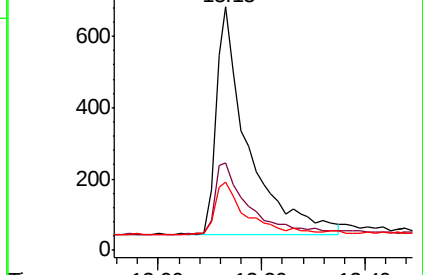
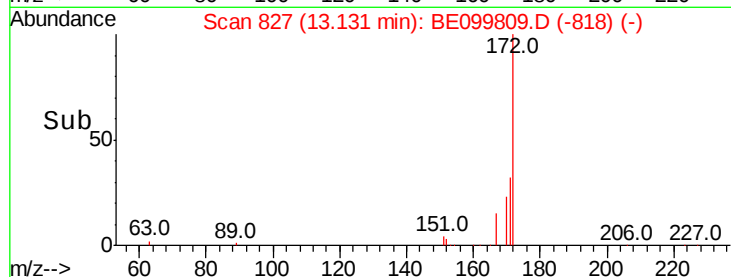


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

13.13



#16

Acenaphthylene

Concen: 0.052 ng

RT: 14.21 min Scan# 902

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

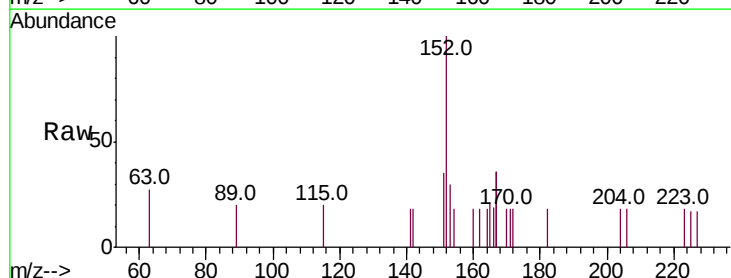
Tgt Ion:152 Resp: 574

Ion Ratio Lower Upper

152 100

151 22.0 15.9 23.9

153 12.7 10.8 16.2

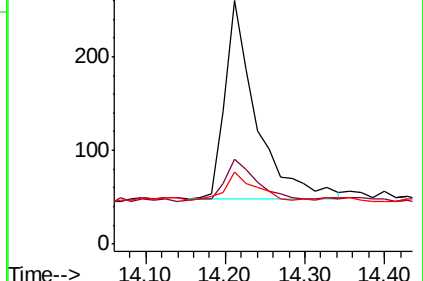
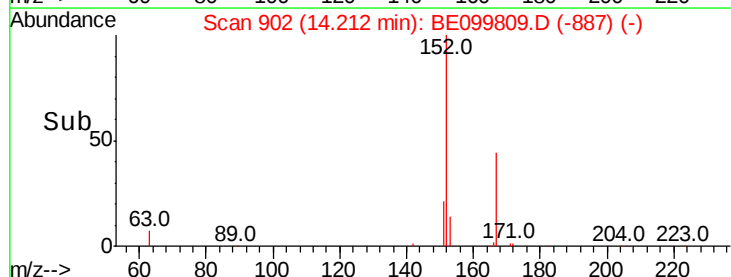


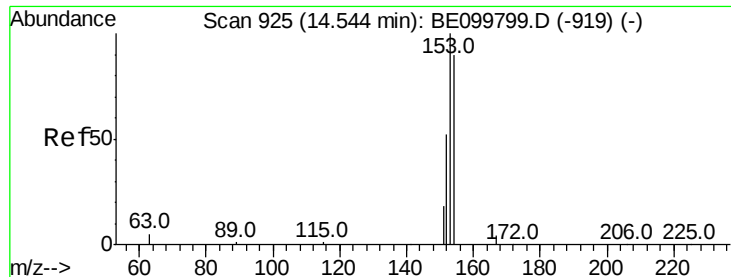
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.21





#17

Acenaphthene

Concen: 0.050 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

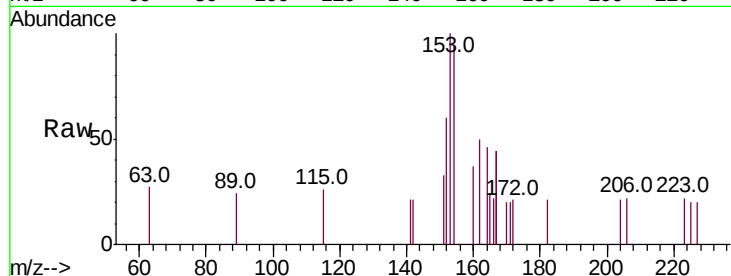
Tot Ion:154 Resp: 303

Ion Ratio Lower Upper

154 100

153 128.7 93.8 140.6

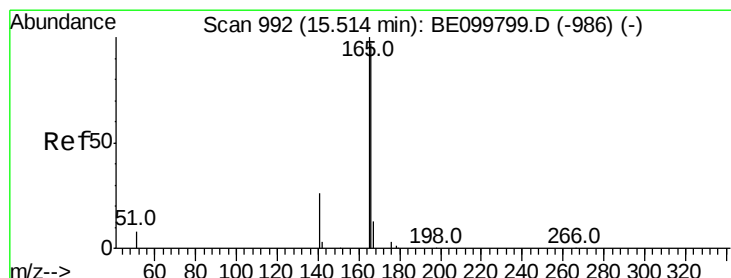
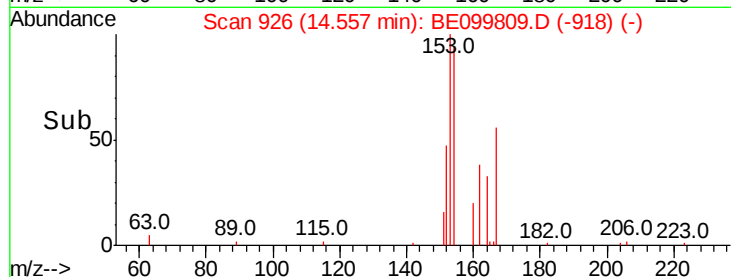
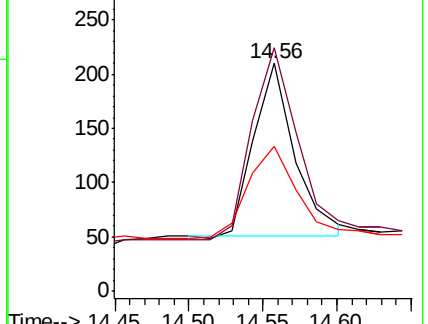
152 66.7 48.3 72.5



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: 0.050 ng

RT: 15.54 min Scan# 994

Delta R.T. 0.03 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

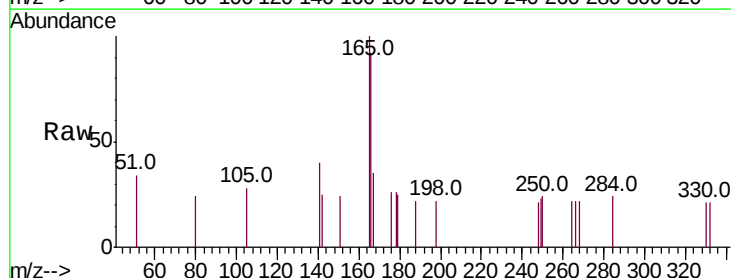
Tgt Ion:166 Resp: 448

Ion Ratio Lower Upper

166 100

165 114.3 80.4 120.6

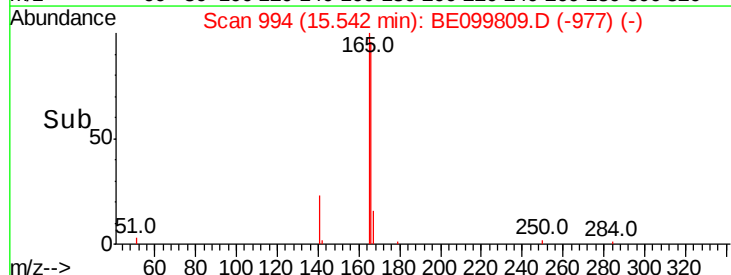
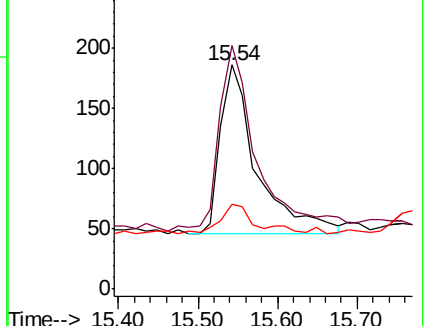
167 17.0 10.7 16.1#

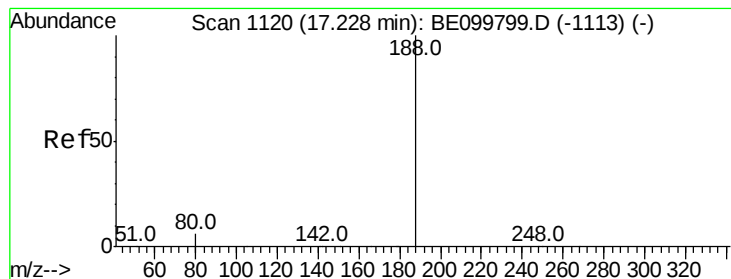


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

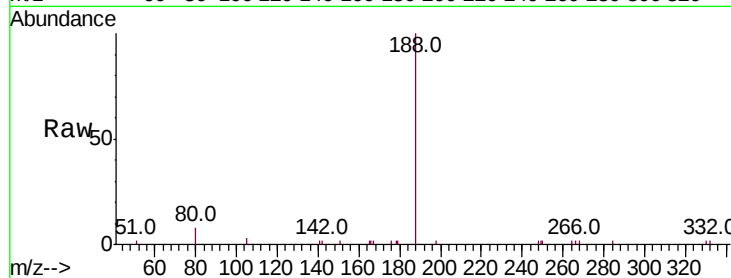
Tot Ion:188 Resp: 7558

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

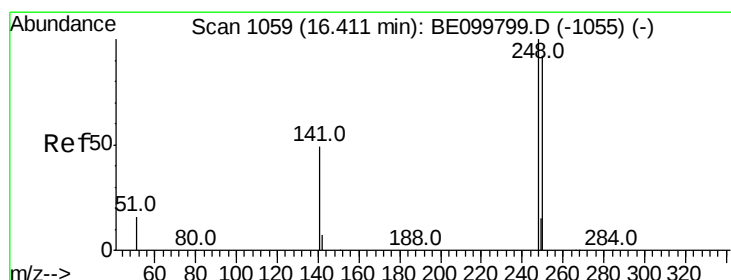
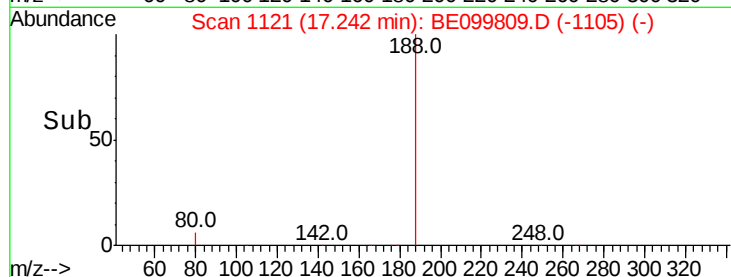
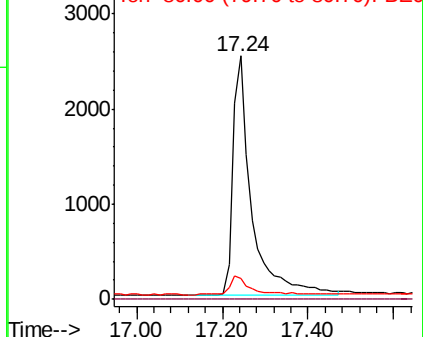
80 8.3 5.2 7.8#



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: 0.052 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.03 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

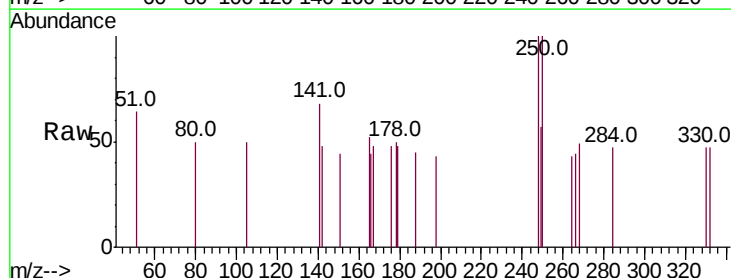
Tgt Ion:248 Resp: 218

Ion Ratio Lower Upper

248 100

250 100.0 73.7 110.5

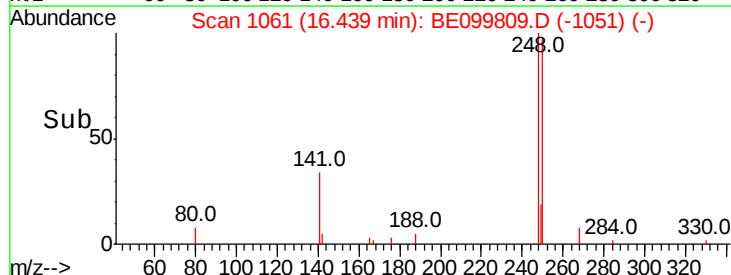
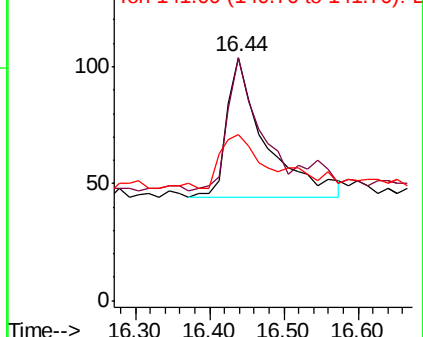
141 68.3 40.9 61.3#

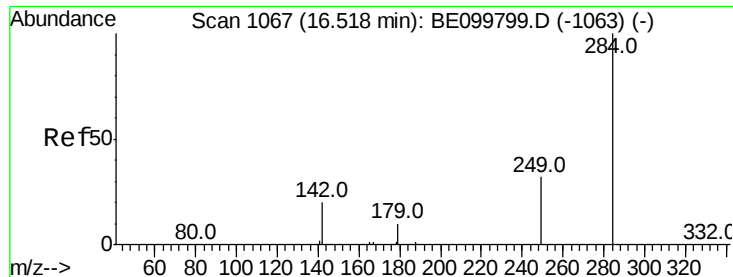


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.052 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

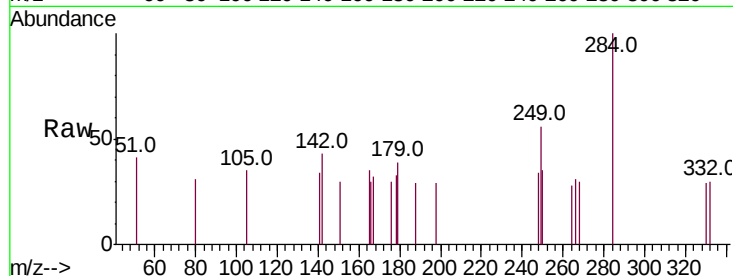
Tot Ion:284 Resp: 239

Ion Ratio Lower Upper

284 100

142 21.8 16.2 24.4

249 31.8 23.1 34.7



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

16.53

150

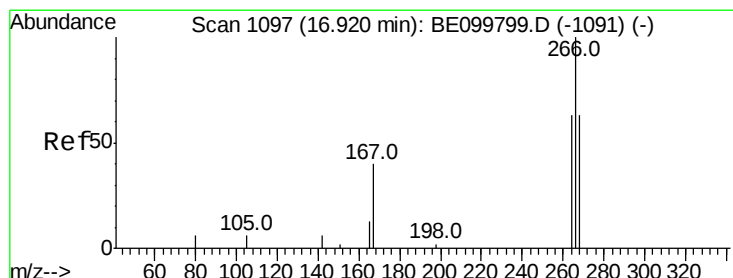
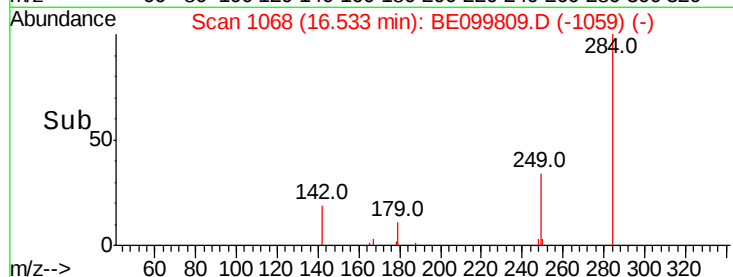
100

50

0

16.50 16.55

Time-->



#22

Pentachlorophenol

Concen: 0.285 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

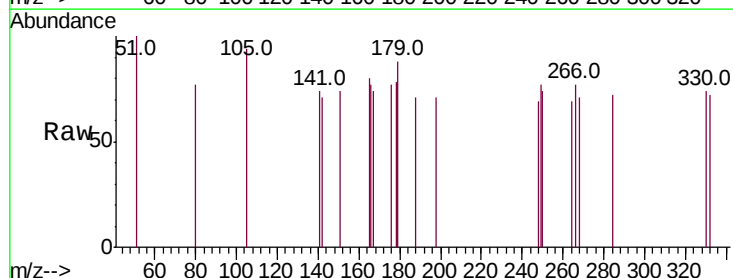
Tgt Ion:266 Resp: 8

Ion Ratio Lower Upper

266 100

264 90.0 64.9 97.3

268 92.0 64.0 96.0



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

16.92

60

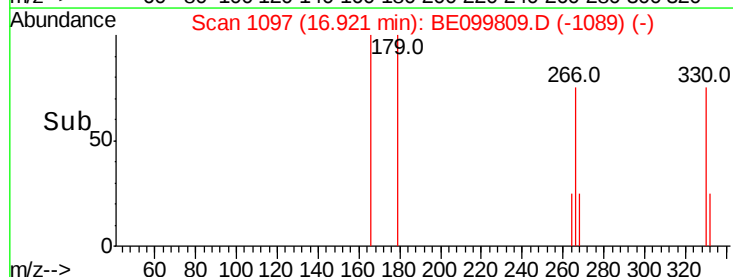
40

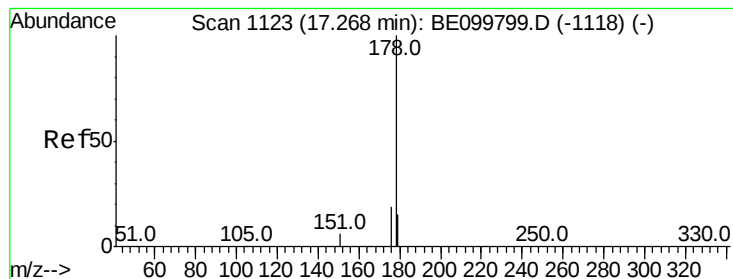
20

0

16.90 16.95 17.00

Time-->





#23

Phenanthrene

Concen: 0.051 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

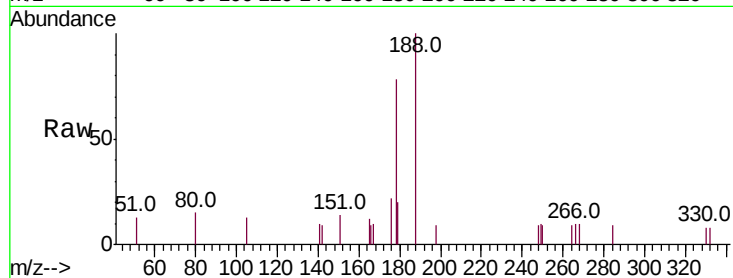
Tot Ion:178 Resp: 923

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.0

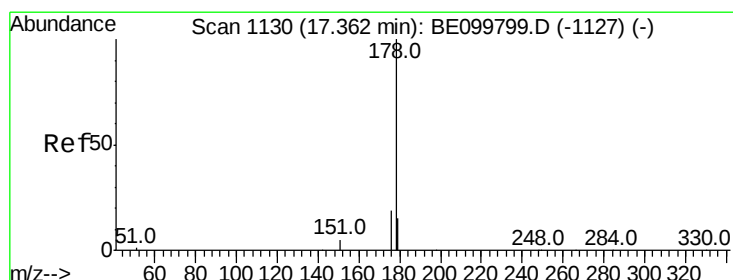
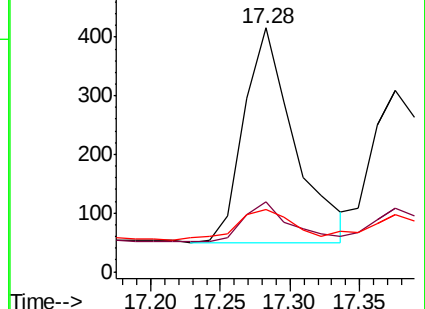
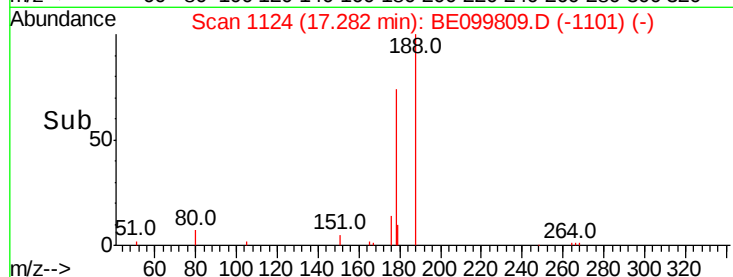
179 15.5 12.5 18.7



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: 0.038 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

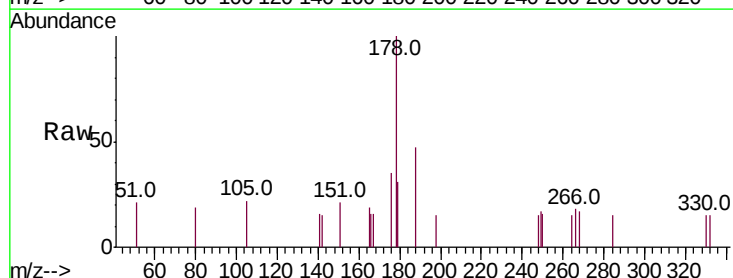
Tgt Ion:178 Resp: 625

Ion Ratio Lower Upper

178 100

176 23.7 15.1 22.7#

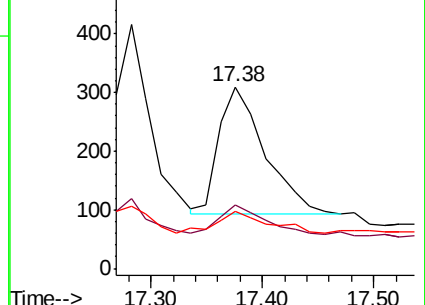
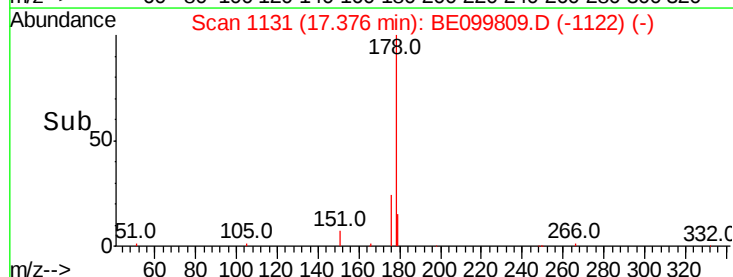
179 19.4 12.1 18.1#

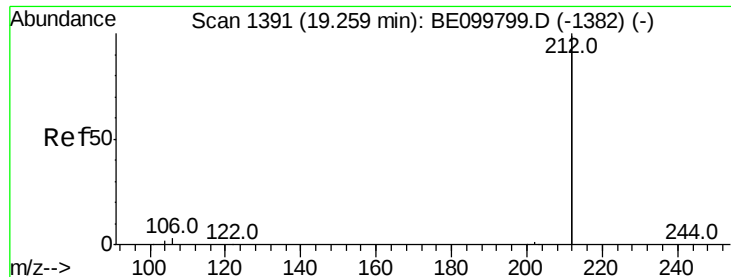


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.188 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

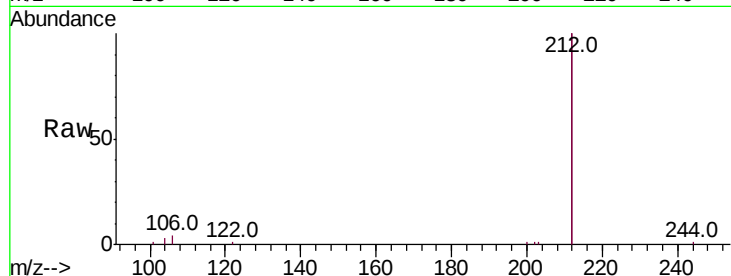
Tot Ion:212 Resp: 21082

Ion Ratio Lower Upper

212 100

106 1.7 1.4 2.0

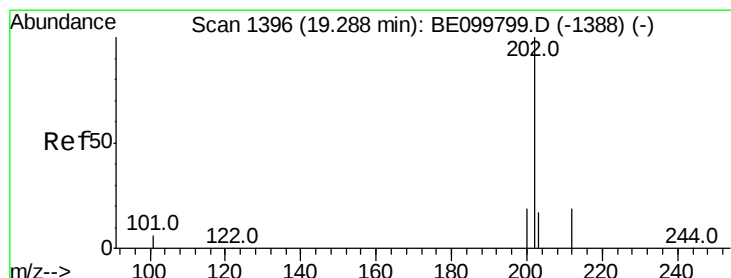
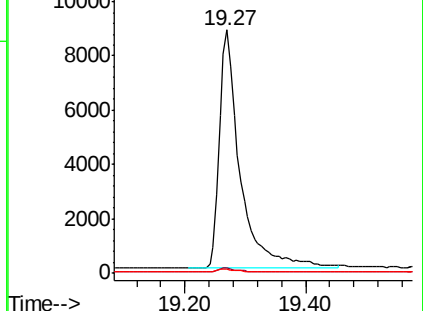
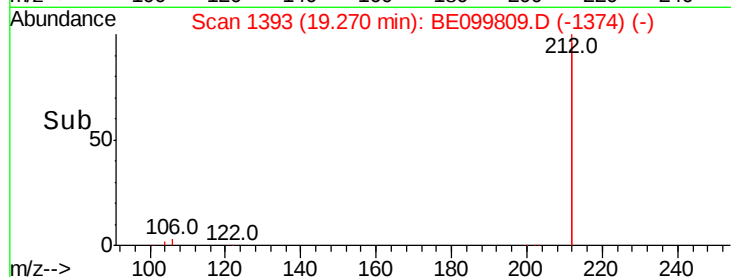
104 1.0 0.8 1.2



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: 0.060 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

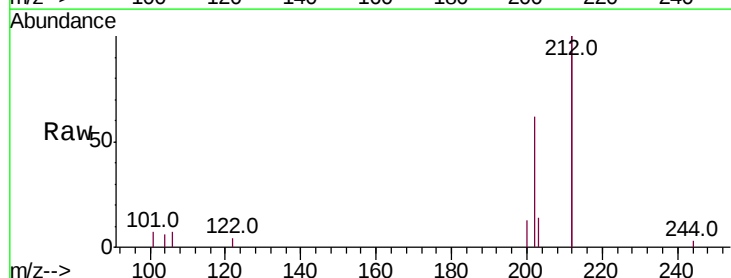
Tgt Ion:202 Resp: 1894

Ion Ratio Lower Upper

202 100

101 7.0 5.2 7.8

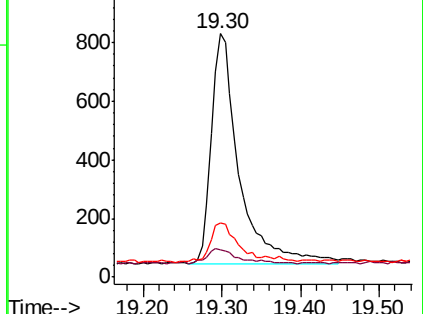
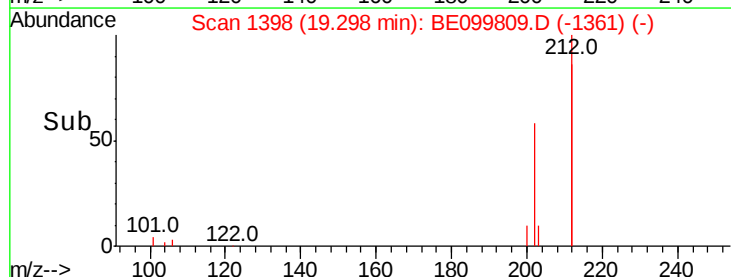
203 16.5 13.6 20.4

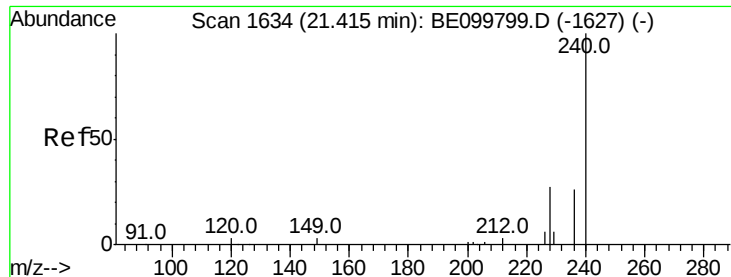


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

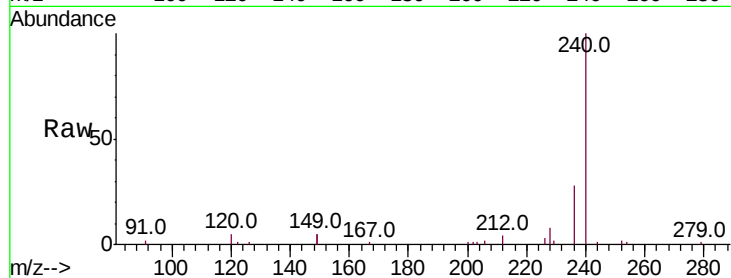
Tot Ion:240 Resp: 13239

Ion Ratio Lower Upper

240 100

120 4.8 2.8 4.2#

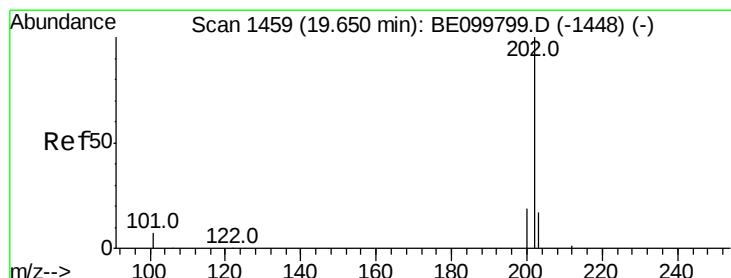
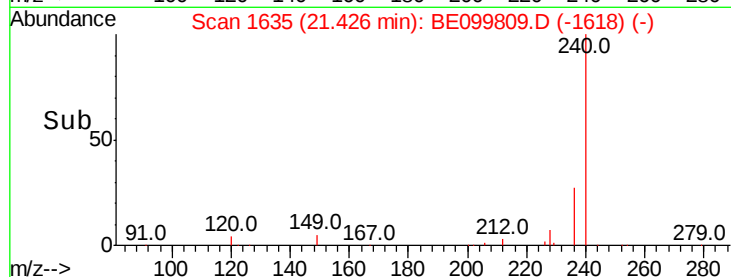
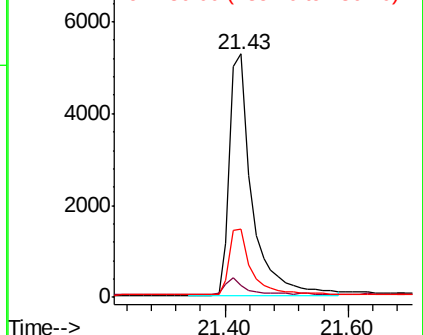
236 27.8 20.9 31.3



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: 0.060 ng

RT: 19.66 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

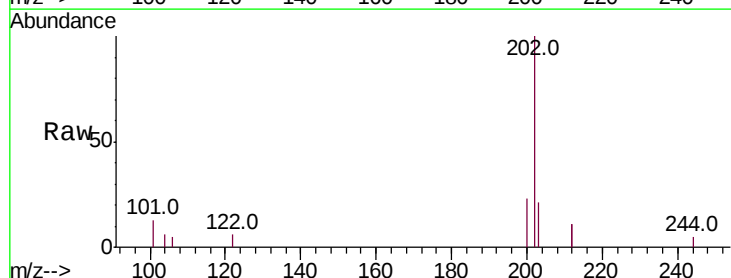
Tgt Ion:202 Resp: 1915

Ion Ratio Lower Upper

202 100

200 19.9 15.6 23.4

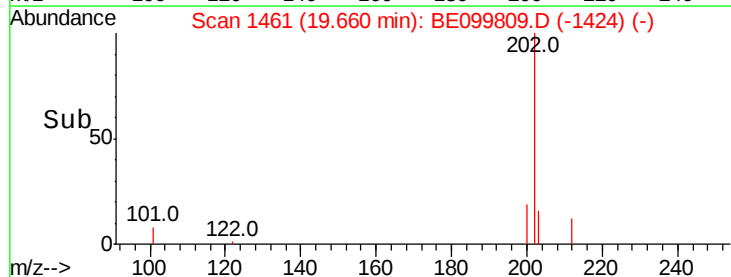
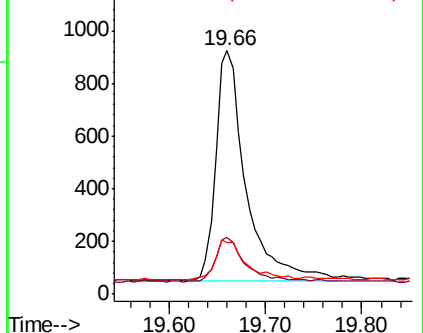
203 17.1 14.1 21.1

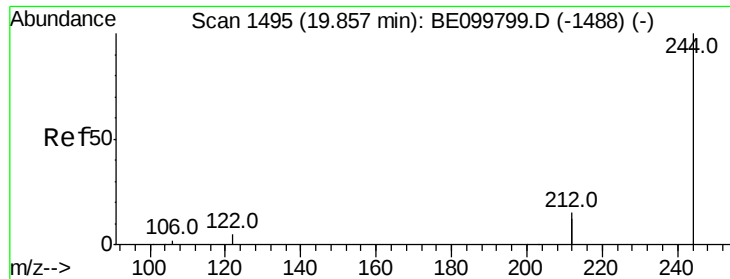


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.381 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

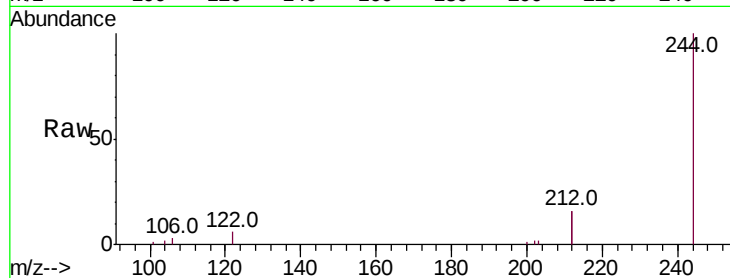
Tot Ion:244 Resp: 8273

Ion Ratio Lower Upper

244 100

212 32.2 23.7 35.5

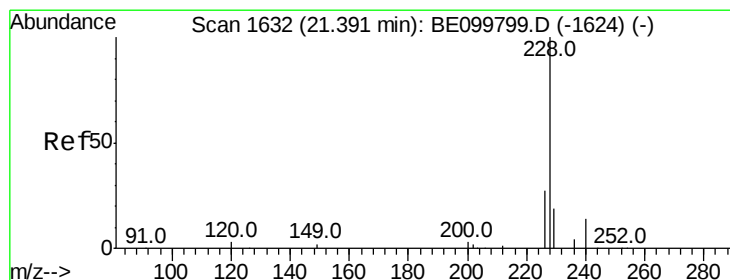
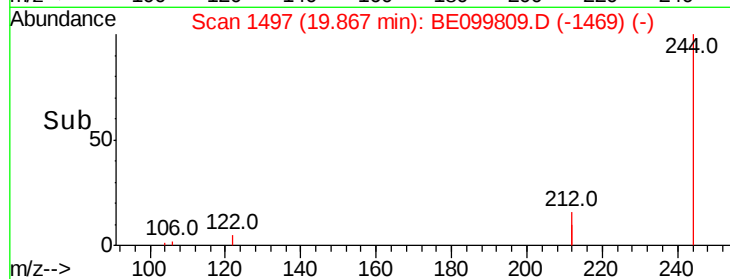
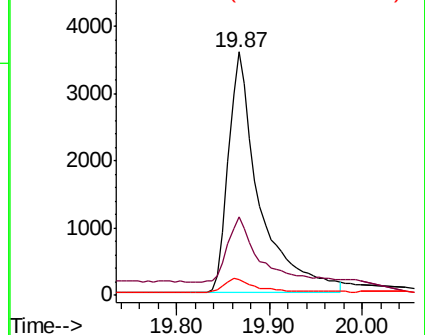
122 6.4 4.8 7.2



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: 0.049 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

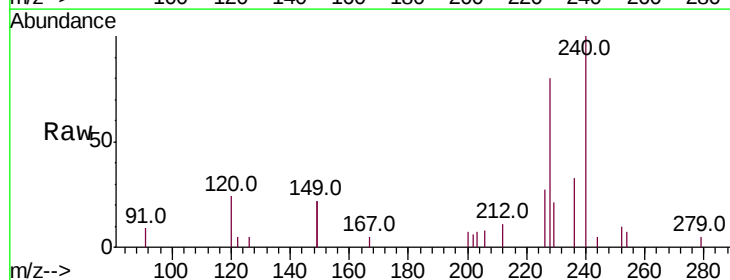
Tgt Ion:228 Resp: 1796

Ion Ratio Lower Upper

228 100

226 33.9 21.6 32.4#

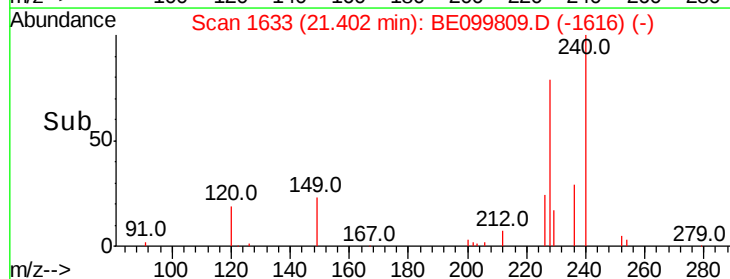
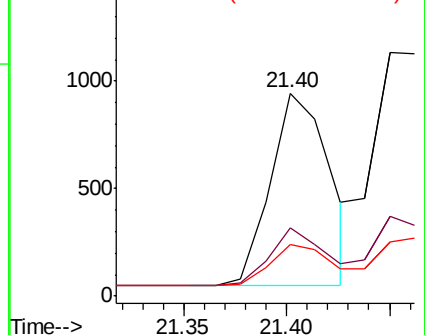
229 25.6 15.8 23.6#

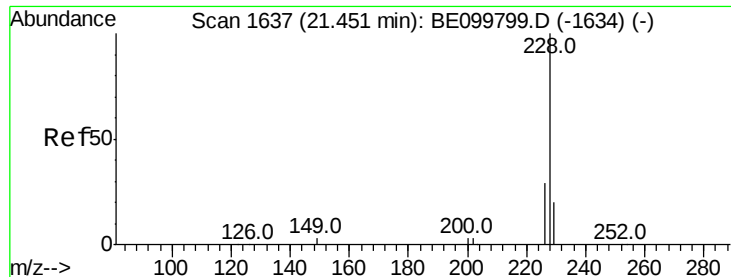


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.065 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

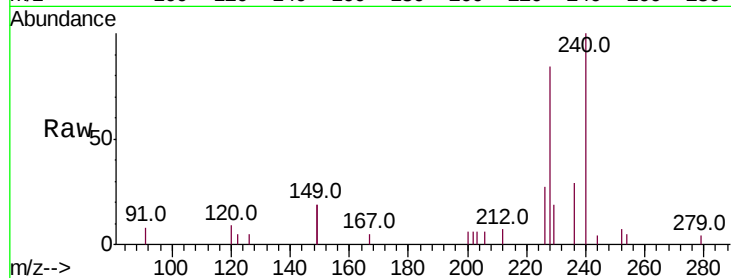
Tot Ion:228 Resp: 2619

Ion Ratio Lower Upper

228 100

226 32.6 22.9 34.3

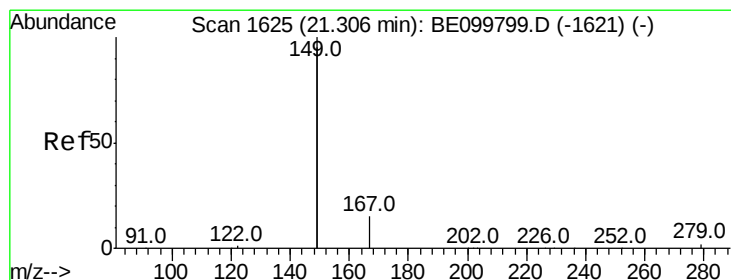
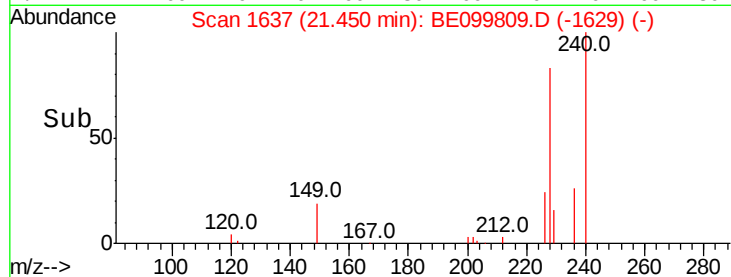
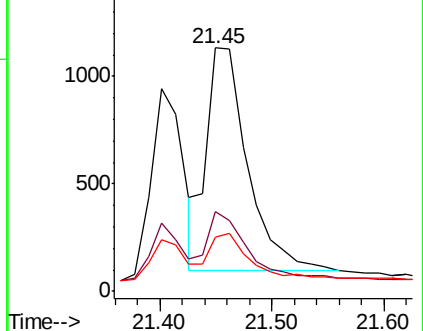
229 22.5 16.4 24.6



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: 0.051 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

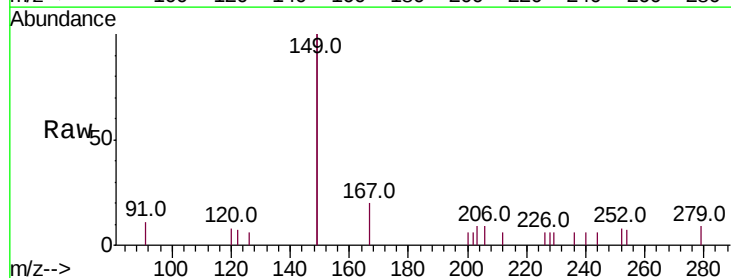
Tgt Ion:149 Resp: 2143

Ion Ratio Lower Upper

149 100

167 8.5 6.0 9.0

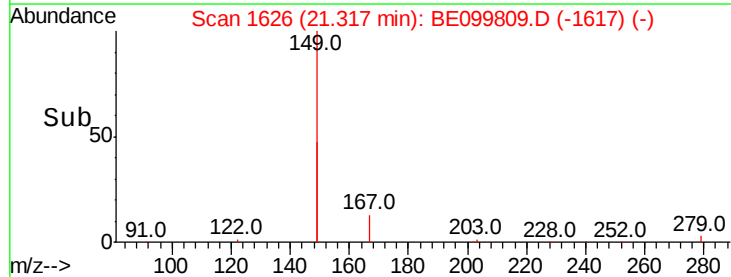
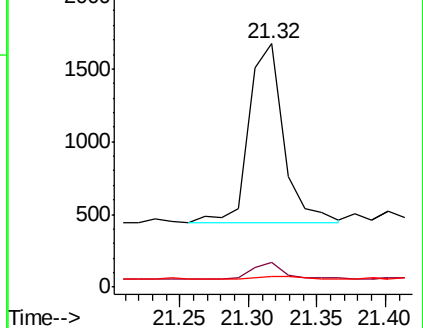
279 2.3 1.2 1.8#

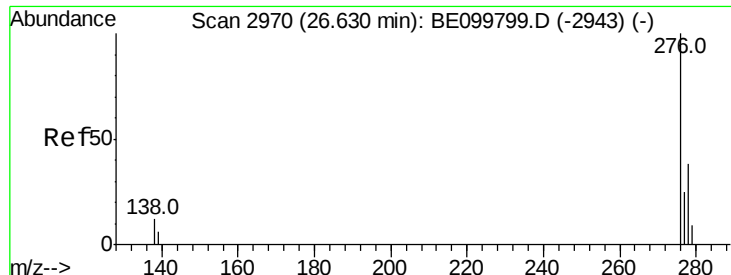


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

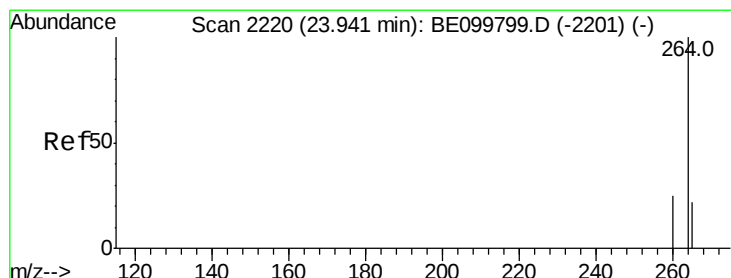
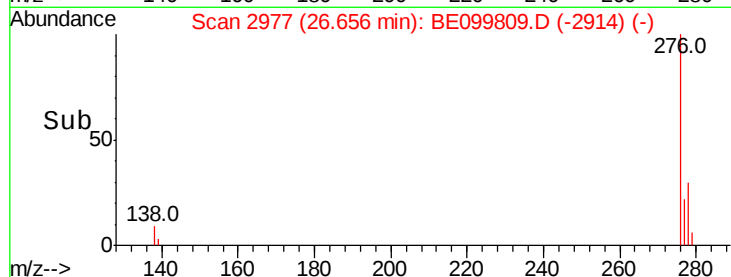
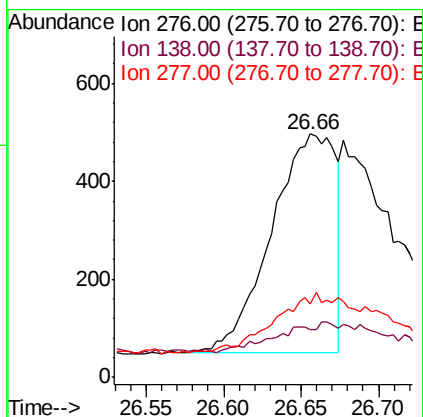
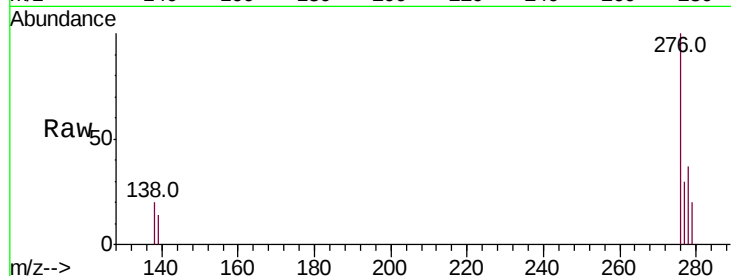




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.026 ng
 RT: 26.66 min Scan# 2977
 Delta R.T. 0.03 min
 Lab File: BE099809.D
 Acq: 5 Jun 2019 18:24

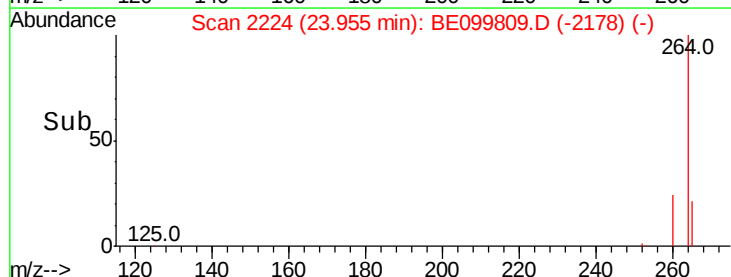
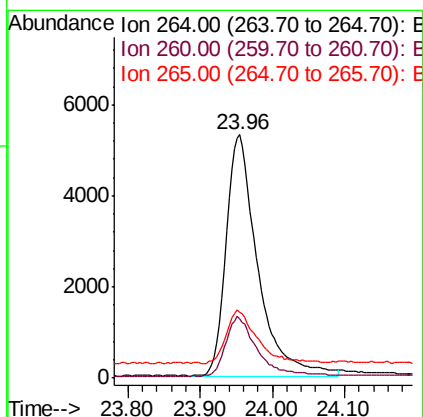
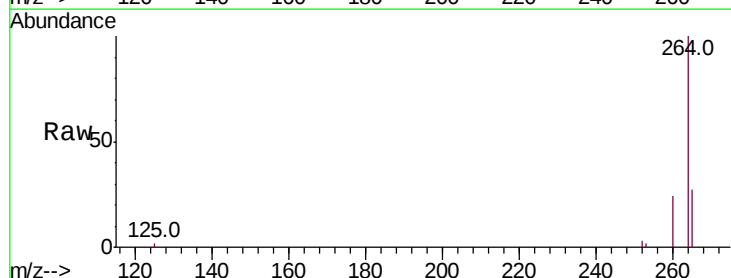
Instrument :
 BNA_E
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

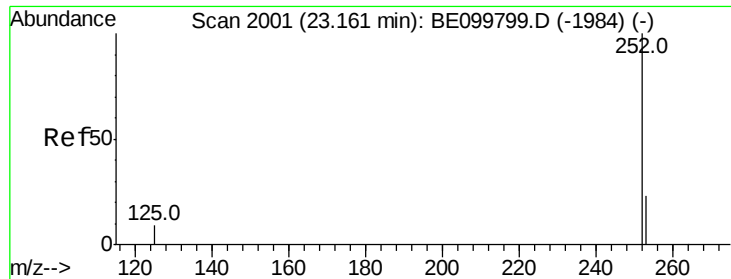
Tot Ion:276 Resp: 1280
 Ion Ratio Lower Upper
 276 100
 138 7.9 10.3 15.5#
 277 15.5 19.4 29.2#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: BE099809.D
 Acq: 5 Jun 2019 18:24

Tgt Ion:264 Resp: 15767
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.0 30.0
 265 27.2 20.7 31.1





#35

Benzo(b)fluoranthene

Concen: 0.050 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

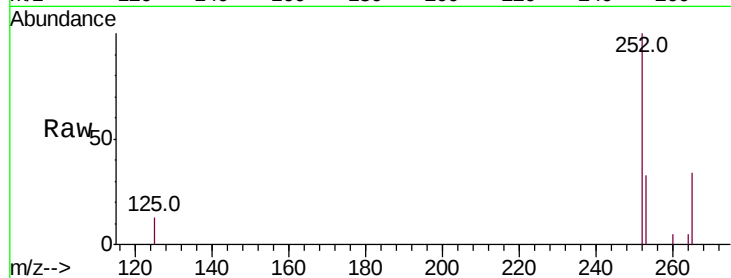
Tot Ion:252 Resp: 2171

Ion Ratio Lower Upper

252 100

253 32.9 18.9 28.3#

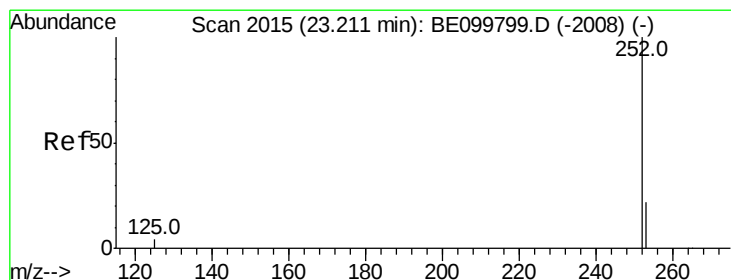
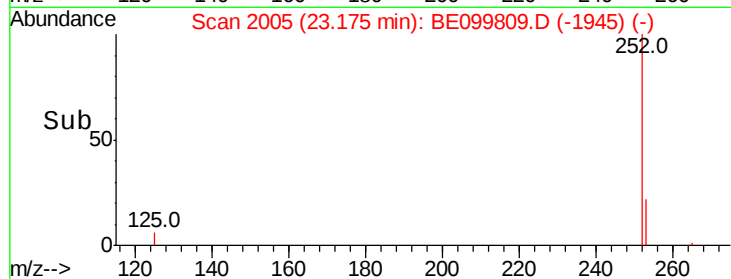
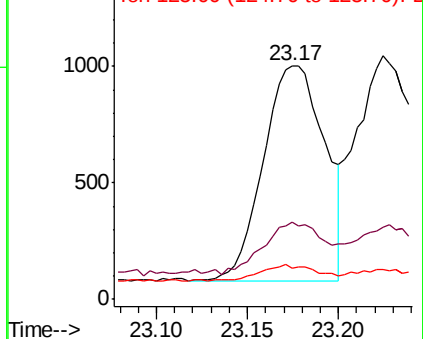
125 13.3 7.6 11.4#



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



#36

Benzo(k)fluoranthene

Concen: 0.060 ng

RT: 23.22 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

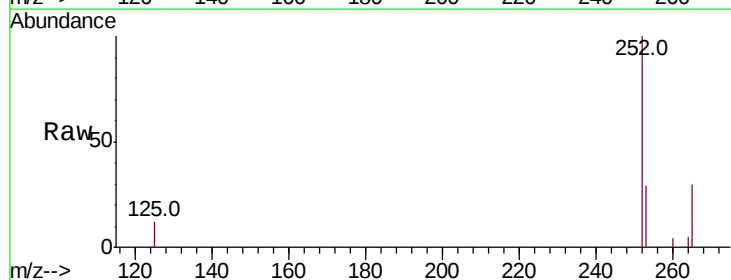
Tgt Ion:252 Resp: 2776

Ion Ratio Lower Upper

252 100

253 29.4 18.4 27.6#

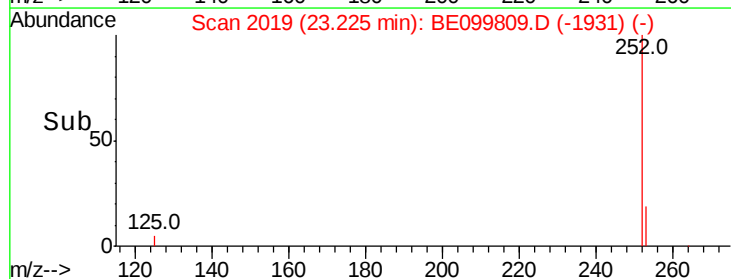
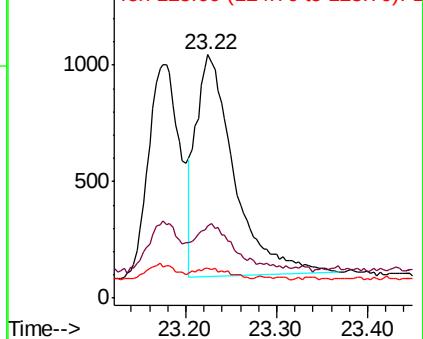
125 12.3 4.6 7.0#

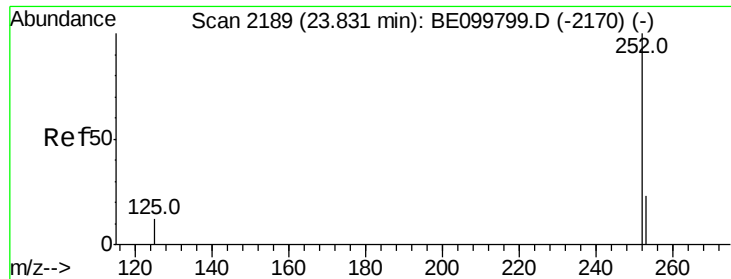


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.054 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019

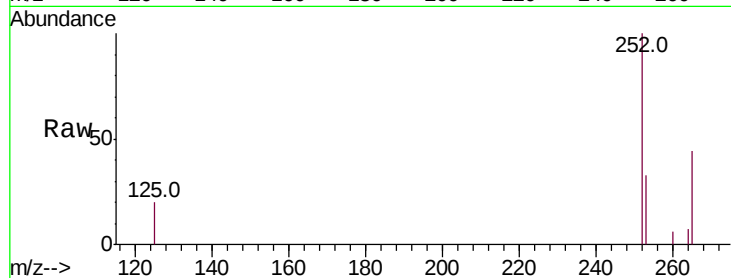
Tot Ion:252 Resp: 2273

Ion Ratio Lower Upper

252 100

253 33.2 19.3 28.9#

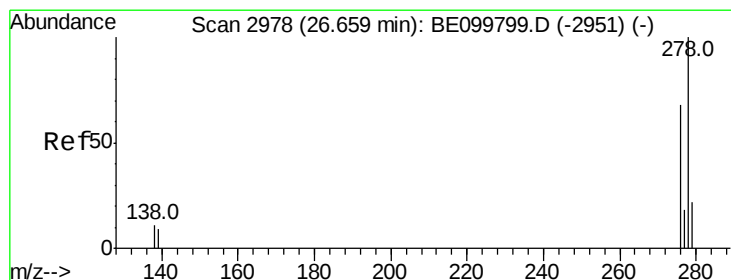
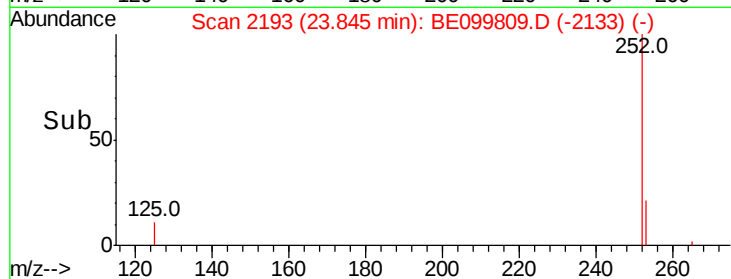
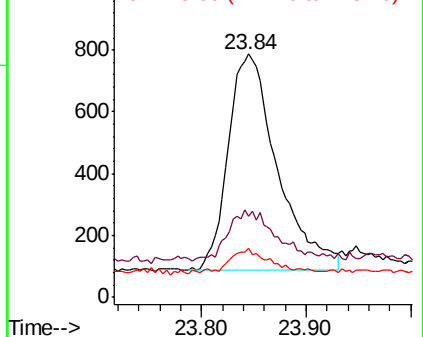
125 20.1 10.2 15.4#



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: 0.040 ng

RT: 26.70 min Scan# 2989

Delta R.T. 0.04 min

Lab File: BE099809.D

Acq: 5 Jun 2019 18:24

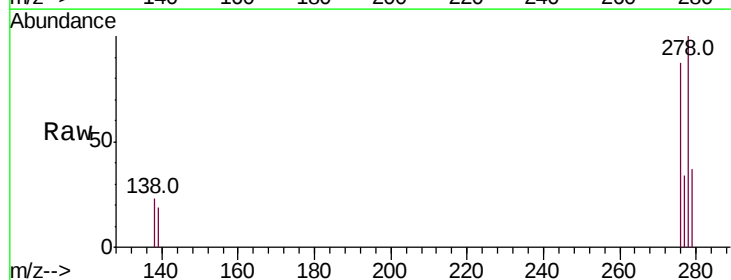
Tgt Ion:278 Resp: 1703

Ion Ratio Lower Upper

278 100

139 19.3 7.9 11.9#

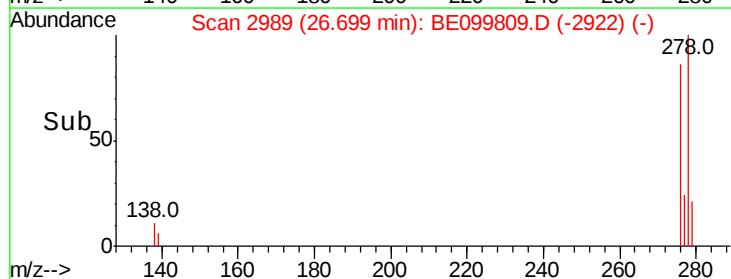
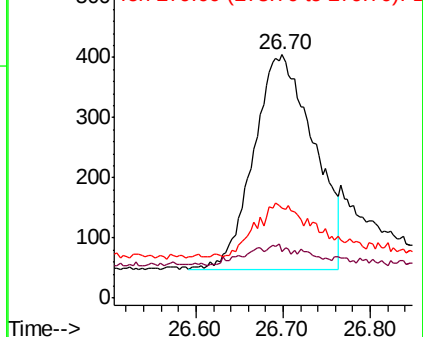
279 36.8 18.5 27.7#

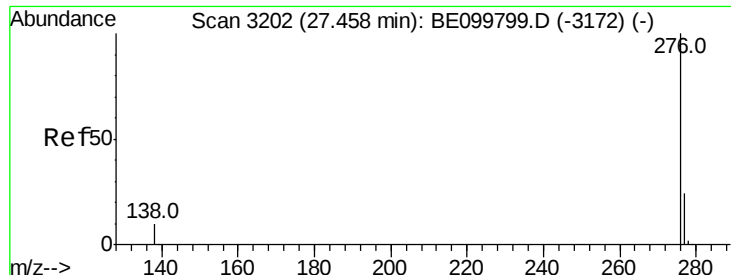


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.055 ng

RT: 27.48 min Scan# 3207

Delta R.T. 0.02 min

Lab File: BE099809.D

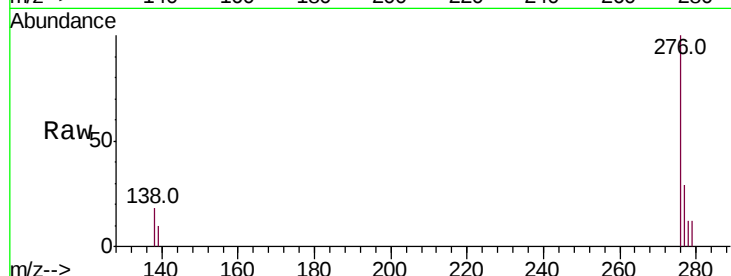
Acq: 5 Jun 2019 18:24

Instrument :

BNA_E

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2019



Tot Ion:276 Resp: 2476

Ion Ratio Lower Upper

276 100

277 28.9 19.6 29.4

138 17.9 9.0 13.4#

Abundance Ion 276.00 (275.70 to 276.70): E
800 Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

