

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099356.D
 Acq On : 25 Apr 2019 12:00
 Operator : JU/SJ
 Sample : K2534-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW061-042219

Quant Time: Apr 26 00:41:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 06:51:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3750	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	15234	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	11283	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	30068	0.40	ng	0.00
27) Chrysene-d12	21.37	240	33044	0.40	ng	0.00
34) Perylene-d12	23.86	264	35933	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	3615	0.39	ng	0.00
5) Phenol-d6	6.96	99	5989	0.46	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3938	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	8690	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	2424	0.65	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	13529	0.31	ng	0.00
25) Fluoranthene-d10	19.22	212	95740	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	18572	0.29	ng	0.00

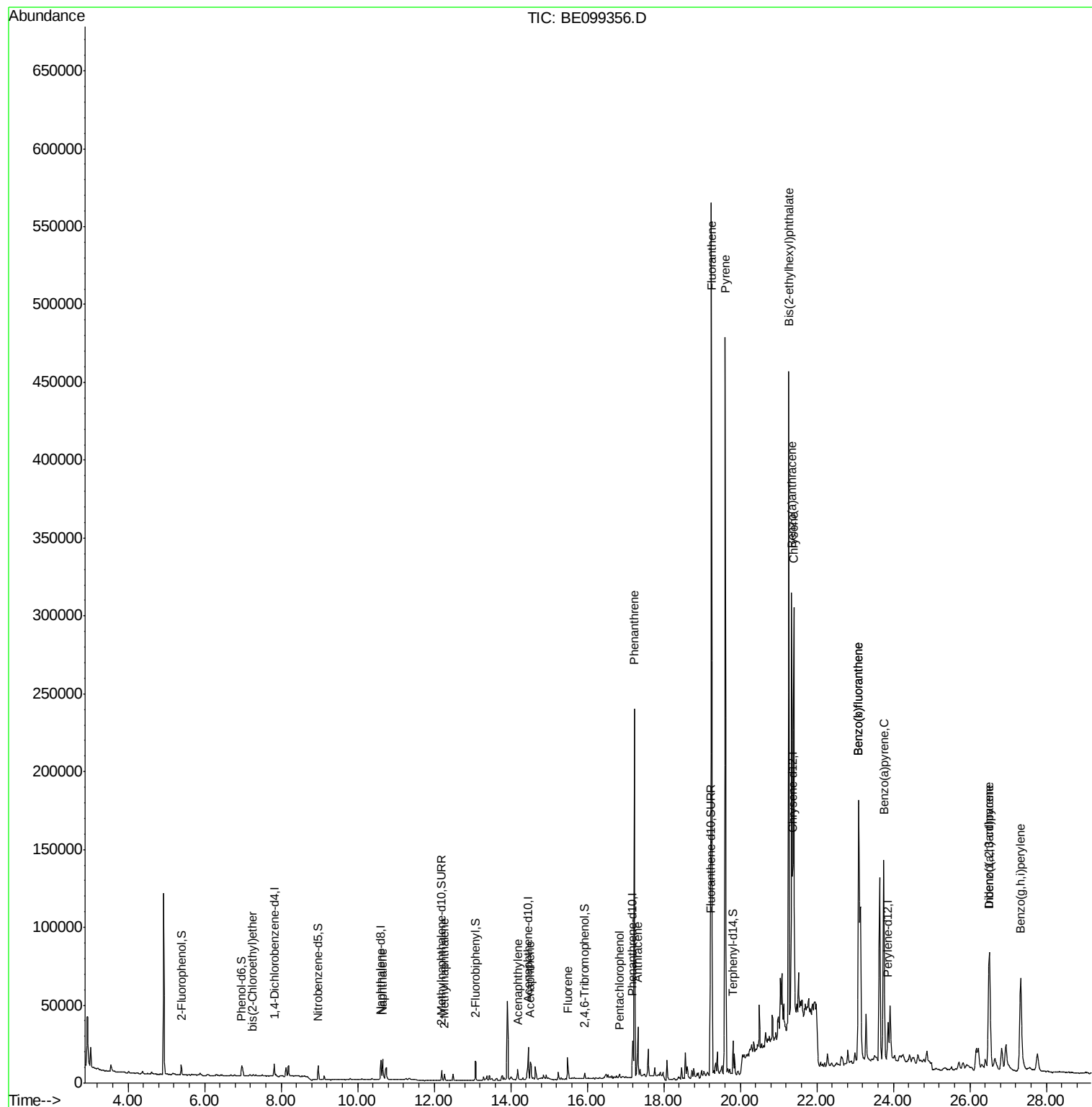
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.24	93	460	0.038	ng	# 1
9) Naphthalene	10.65	128	19784	0.119	ng	99
12) 2-Methylnaphthalene	12.27	142	3189	0.113	ng	95
16) Acenaphthylene	14.18	152	9303	0.182	ng	99
17) Acenaphthene	14.51	154	5768	0.184	ng	98
18) Fluorene	15.49	166	12226	0.271	ng	88
22) Pentachlorophenol	16.84	266	398	0.282	ng	95
23) Phenanthrene	17.23	178	235958	2.963	ng	99
24) Anthracene	17.32	178	31446	0.444	ng	# 93
26) Fluoranthene	19.25	202	502740	4.717	ng	99
28) Pvrene	19.61	202	449136	4.614	ng	# 95
30) Benzo(a)anthracene	21.34	228	251240	2.586	ng	96
31) Chrysene	21.40	228	278343	2.692	ng	96
32) Bis(2-ethylhexyl)phthalate	21.27	149	469805	5.315	ng	100
33) Indeno(1,2,3-cd)pvrene	26.51	276	161827	1.585	ng	# 95
35) Benzo(b)fluoranthene	23.09	252	319988	2.909	ng	# 91
36) Benzo(k)fluoranthene	23.09	252	319988	2.918	ng	# 93
37) Benzo(a)pvrene	23.75	252	218758	2.220	ng	95
38) Dibenzo(a,h)anthracene	26.52	278	40083	0.398	ng	# 73
39) Benzo(g,h,i)perylene	27.33	276	170416	1.668	ng	98

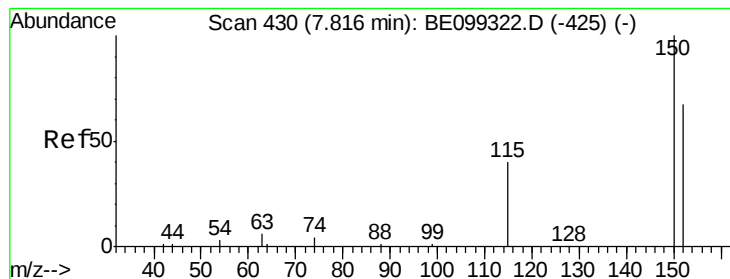
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

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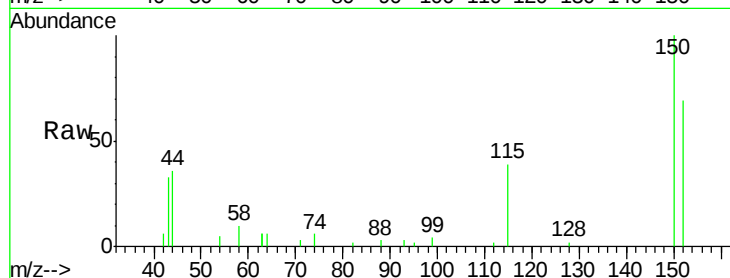
Tot Ion:152 Resp: 3750

Ion Ratio Lower Upper

152 100

150 143.9 119.5 179.3

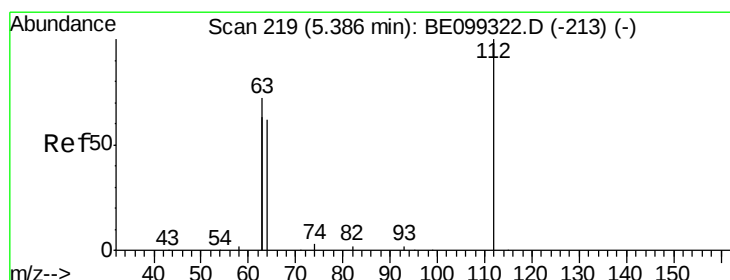
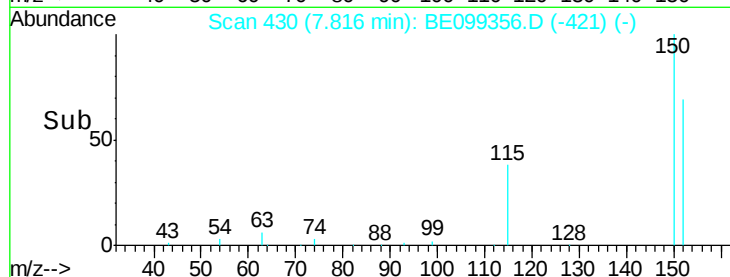
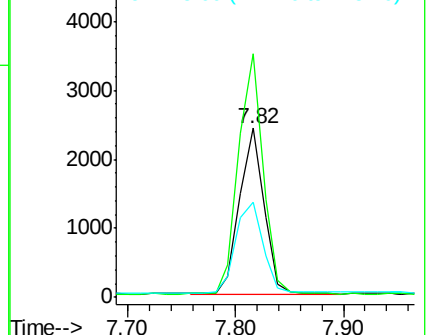
115 56.5 47.5 71.3



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



#4

2-Fluorophenol

Concen: 0.394 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

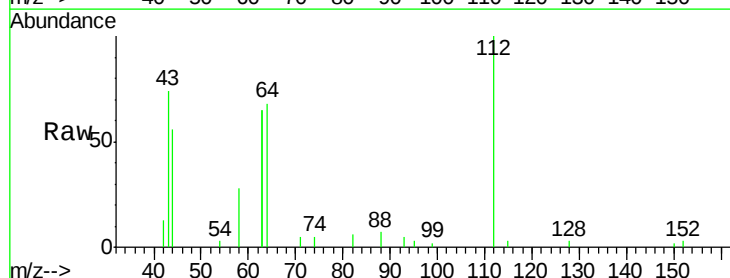
Tgt Ion:112 Resp: 3615

Ion Ratio Lower Upper

112 100

64 55.9 44.9 67.3

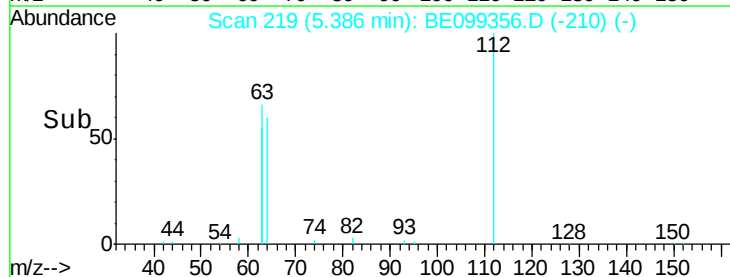
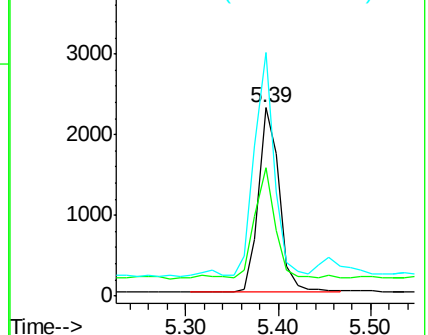
63 114.5 97.4 146.0

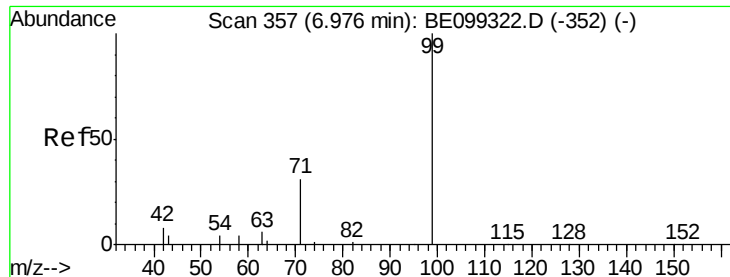


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.458 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

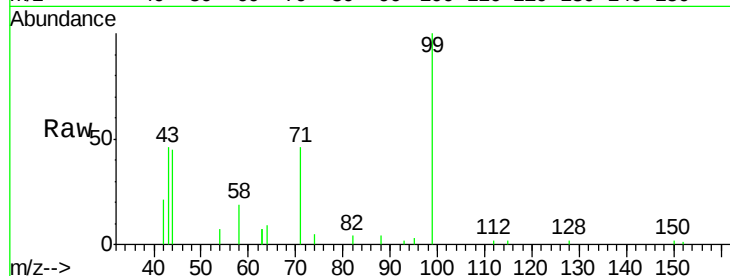
Tot Ion: 99 Resp: 5989

Ion Ratio Lower Upper

99 100

42 20.2 11.7 17.5#

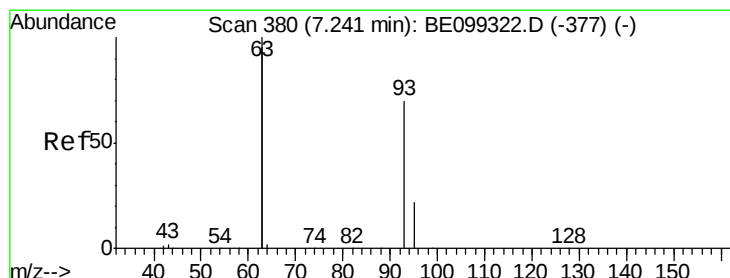
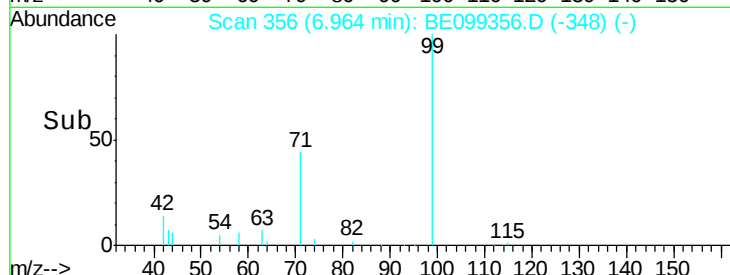
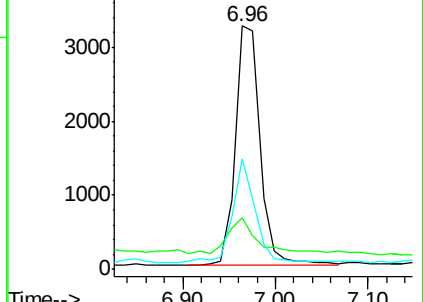
71 40.2 29.6 44.4



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: 0.038 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

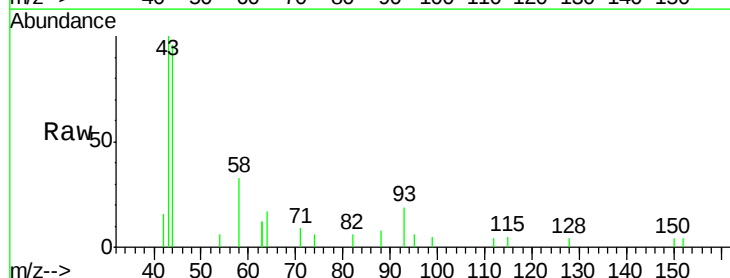
Tgt Ion: 93 Resp: 460

Ion Ratio Lower Upper

93 100

63 0.0 216.6 324.8#

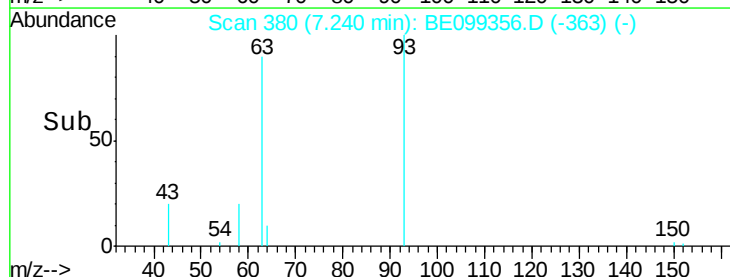
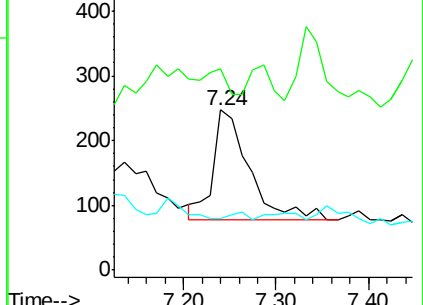
95 0.0 25.8 38.6#

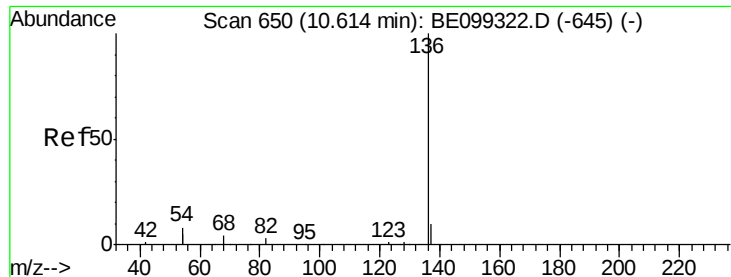


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

Tot Ion:136 Resp: 15234

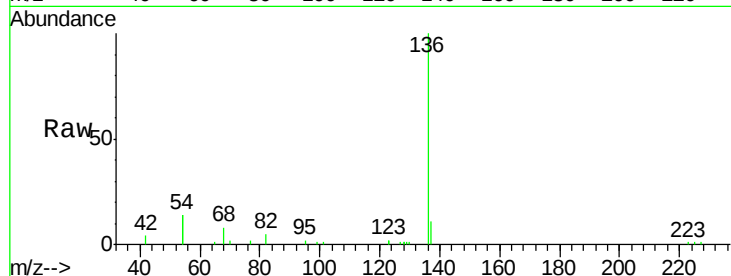
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 27.1 23.8 35.8

68 7.8 6.4 9.6

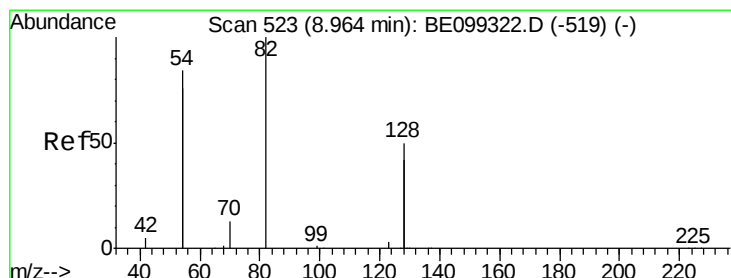
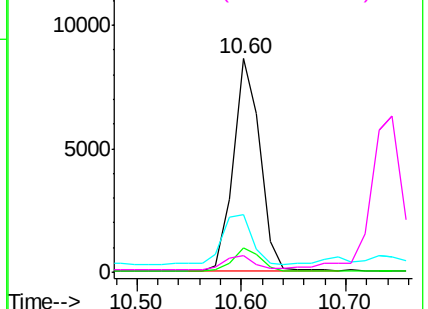
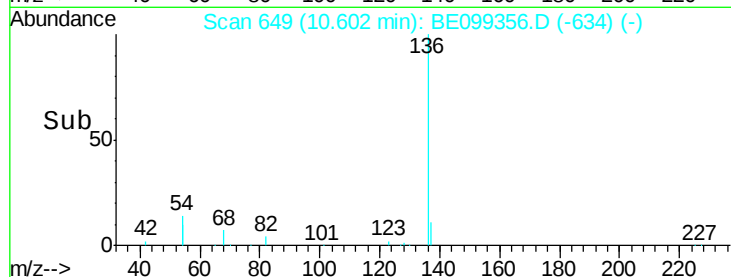


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.333 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

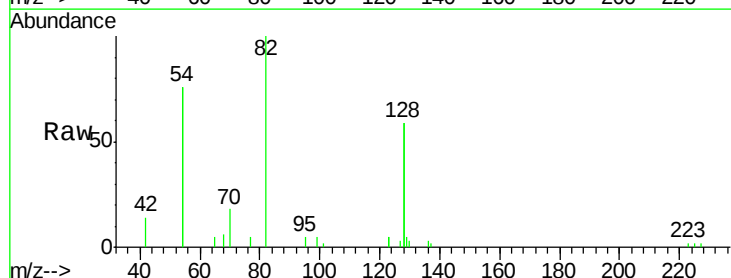
Tgt Ion: 82 Resp: 3938

Ion Ratio Lower Upper

82 100

128 119.0 91.7 137.5

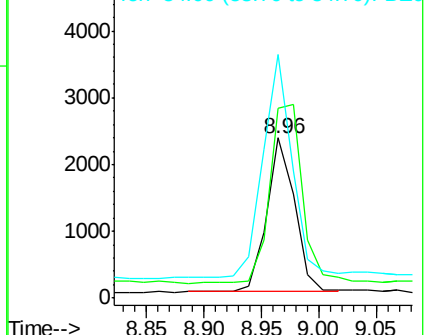
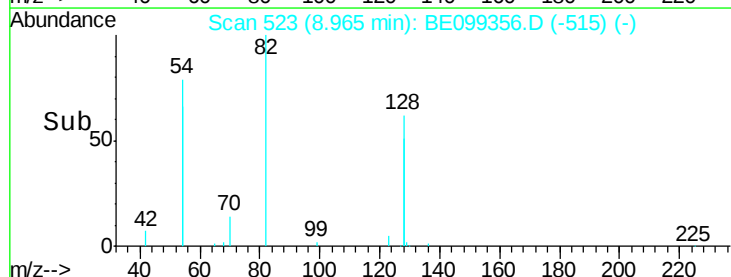
54 152.3 122.8 184.2

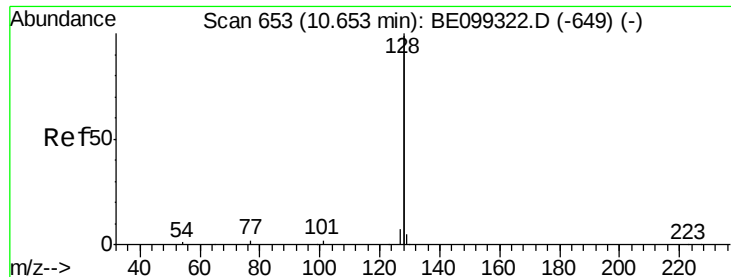


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.119 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

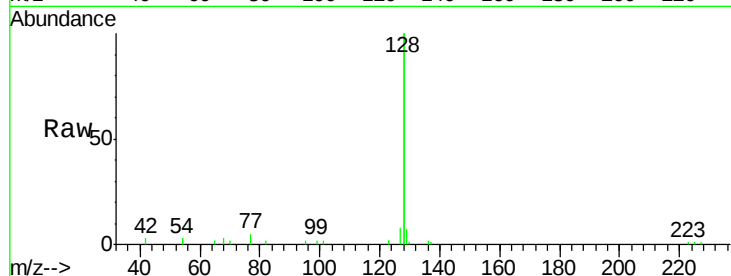
Tot Ion:128 Resp: 19784

Ion Ratio Lower Upper

128 100

129 3.3 2.3 3.5

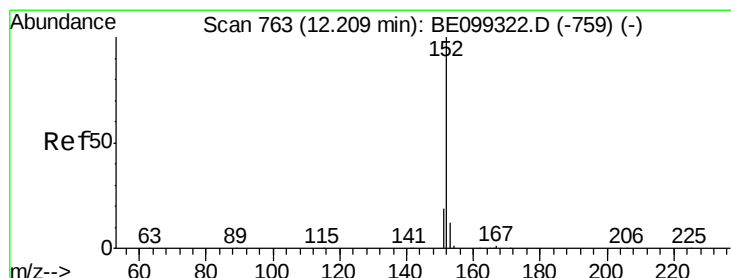
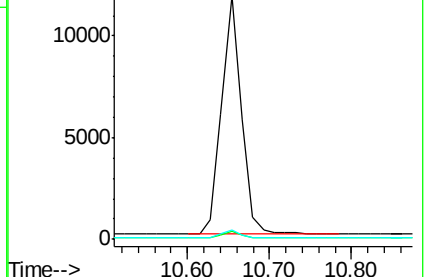
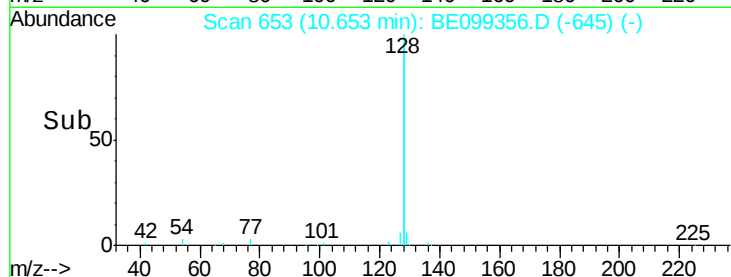
127 3.8 2.8 4.2



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



#11

2-Methylnaphthalene-d10

Concen: 0.323 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099356.D

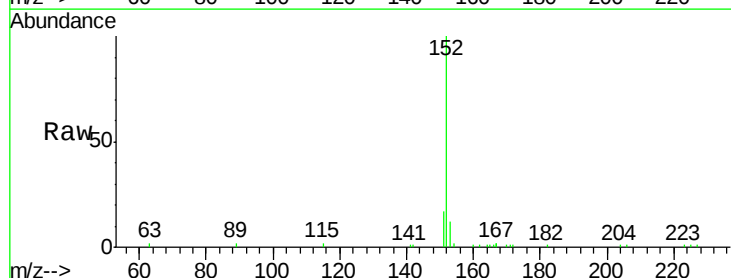
Acq: 25 Apr 2019 12:00

Tgt Ion:152 Resp: 8690

Ion Ratio Lower Upper

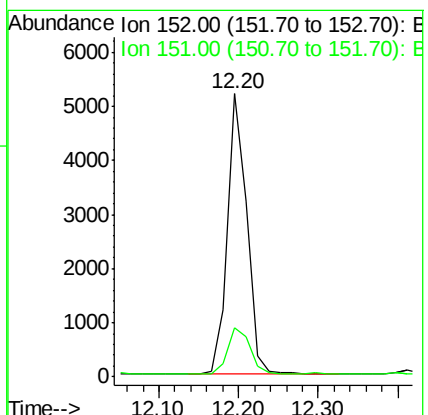
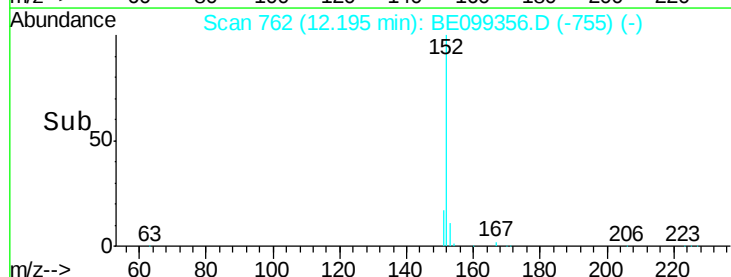
152 100

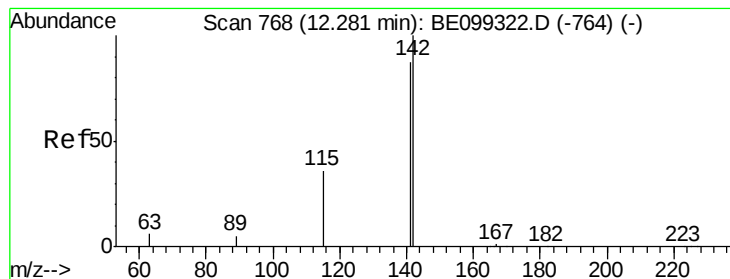
151 19.4 14.9 22.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.113 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

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ClientSampleId :

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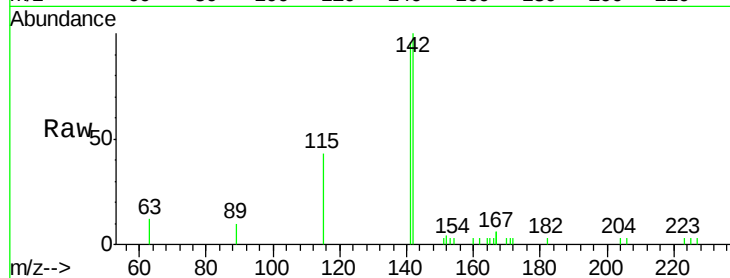
Tot Ion:142 Resp: 3189

Ion Ratio Lower Upper

142 100

141 96.2 72.0 108.0

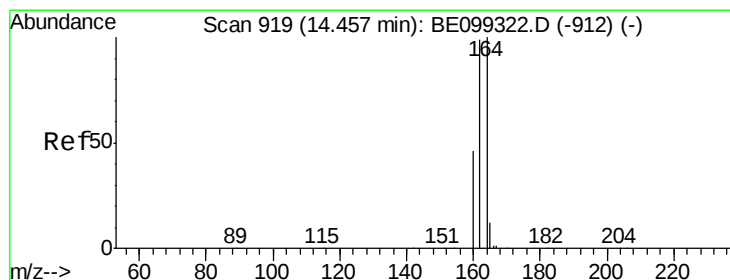
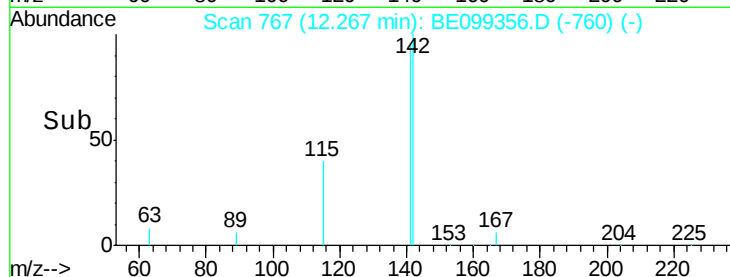
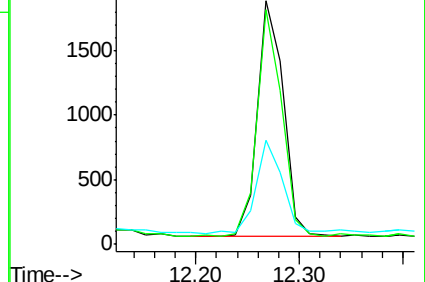
115 43.0 33.4 50.0



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: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

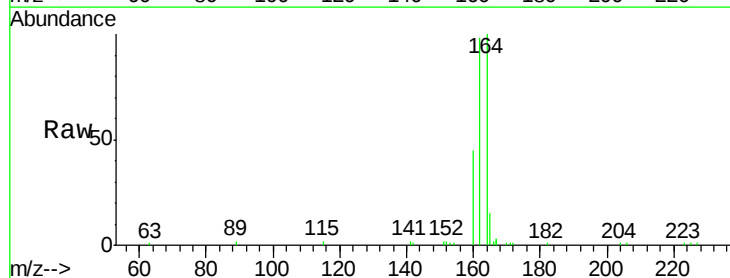
Tgt Ion:164 Resp: 11283

Ion Ratio Lower Upper

164 100

162 98.3 77.8 116.6

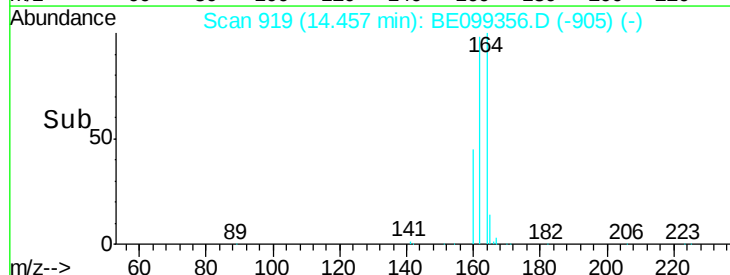
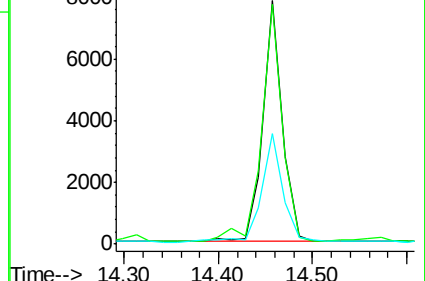
160 45.5 37.1 55.7

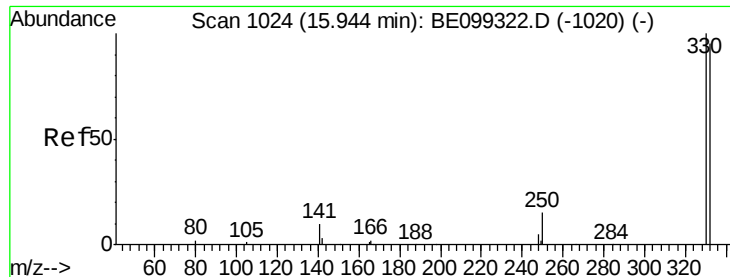


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.647 ng

RT: 15.93 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

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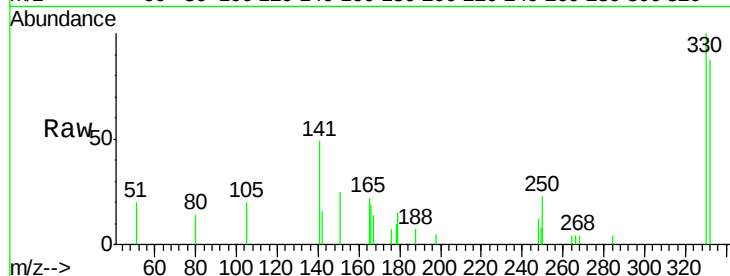
Tot Ion:330 Resp: 2424

Ion Ratio Lower Upper

330 100

332 93.1 82.5 123.7

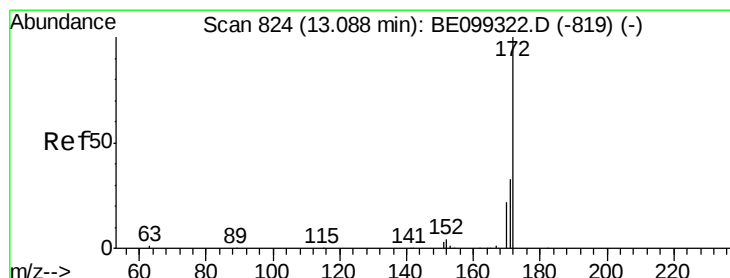
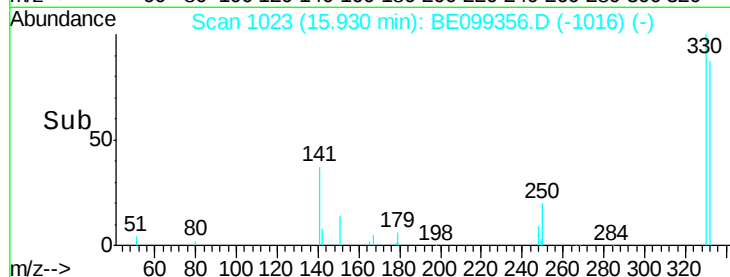
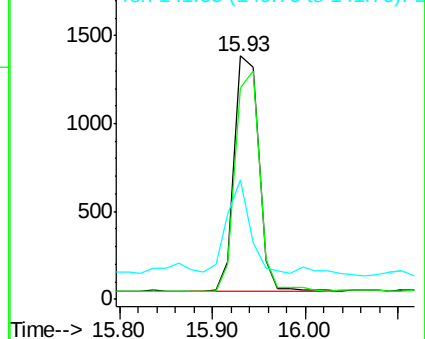
141 38.0 24.9 37.3#



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: 0.305 ng

RT: 13.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

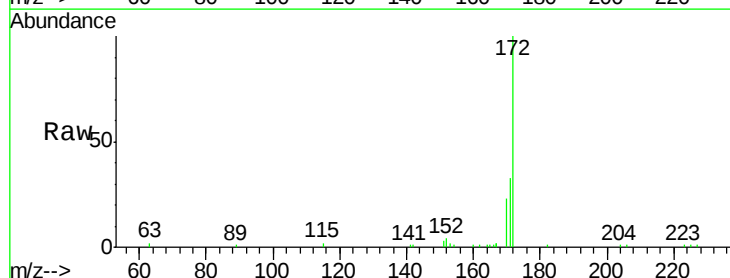
Tgt Ion:172 Resp: 13529

Ion Ratio Lower Upper

172 100

171 33.4 26.2 39.2

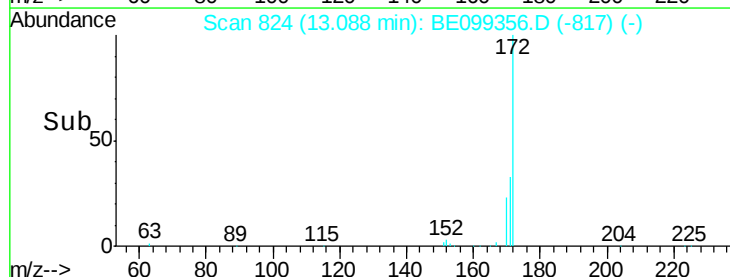
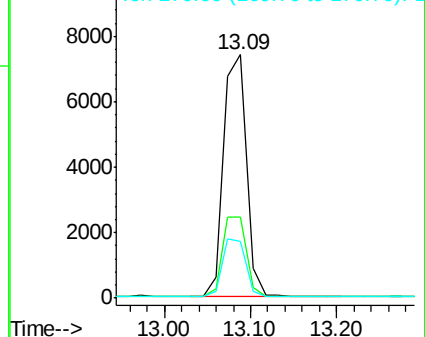
170 23.3 18.1 27.1

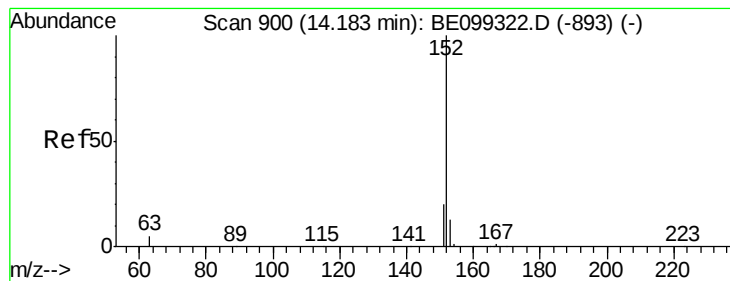


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.182 ng

RT: 14.18 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

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ClientSampleId :

EXT-073-SW061-042219

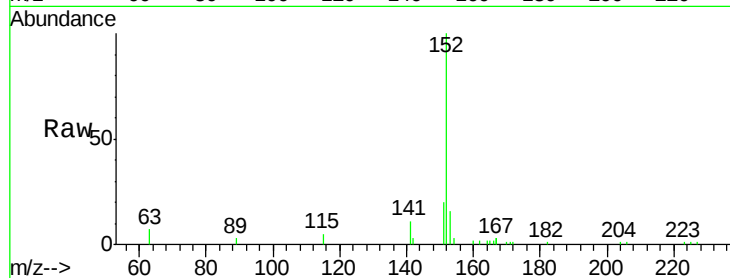
Tot Ion:152 Resp: 9303

Ion Ratio Lower Upper

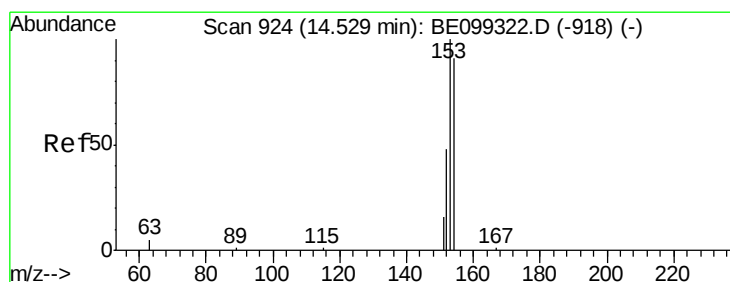
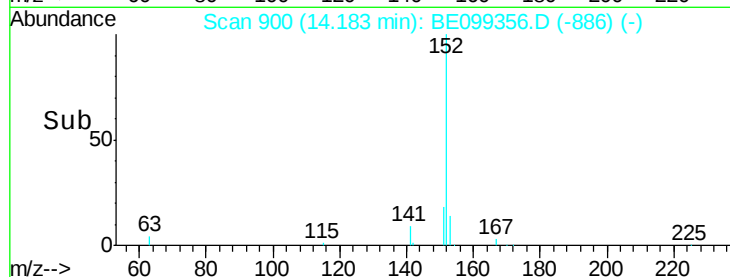
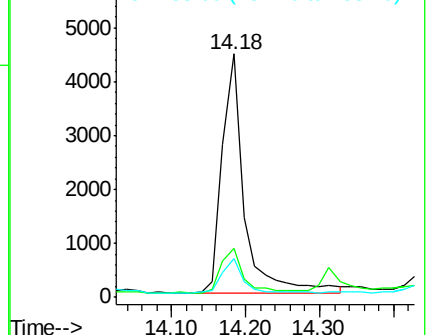
152 100

151 18.7 15.5 23.3

153 12.8 10.2 15.4



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: 0.184 ng

RT: 14.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

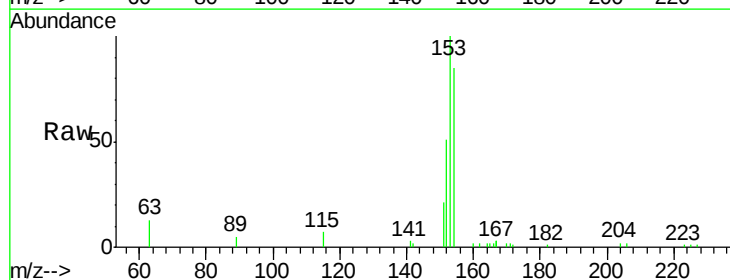
Tgt Ion:154 Resp: 5768

Ion Ratio Lower Upper

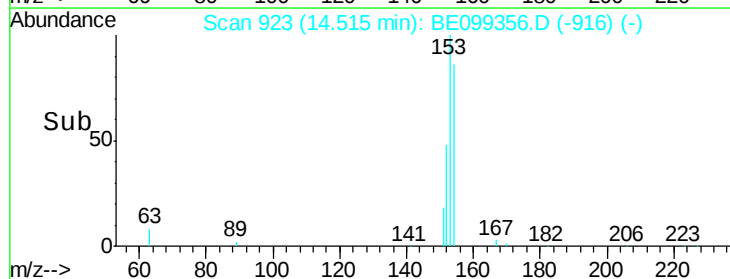
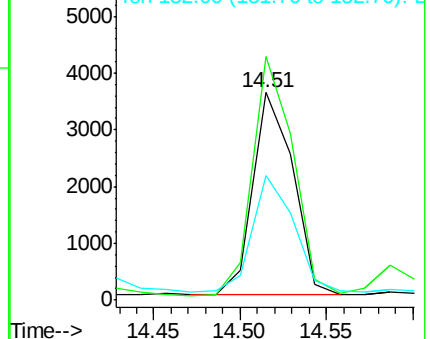
154 100

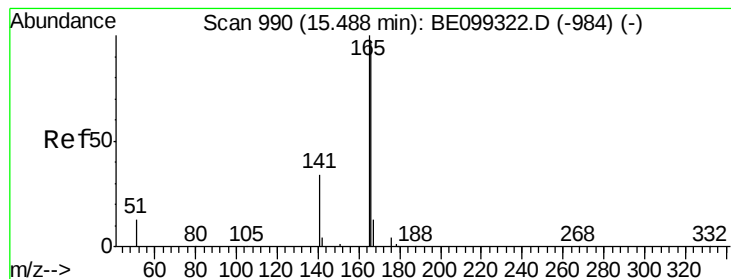
153 119.9 94.7 142.1

152 60.2 46.4 69.6



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: 0.271 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

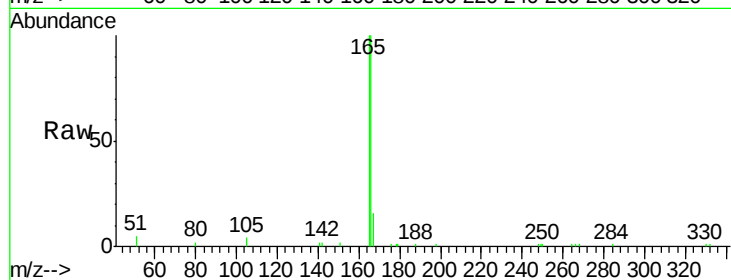
Tot Ion:166 Resp: 12226

Ion Ratio Lower Upper

166 100

165 85.8 79.7 119.5

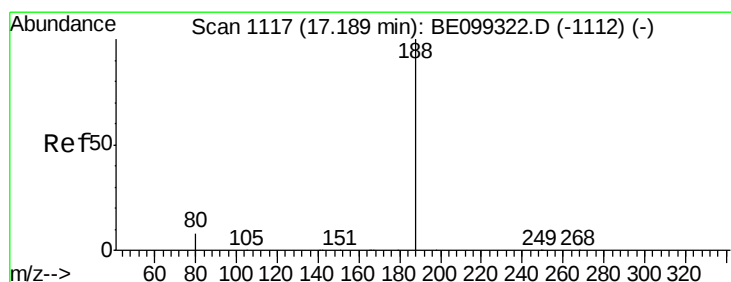
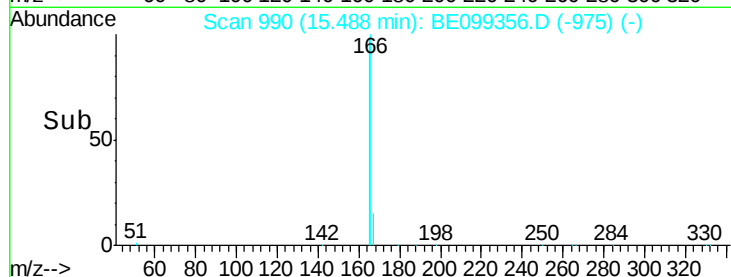
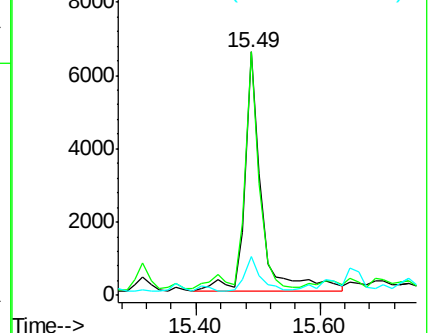
167 14.3 11.0 16.4



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. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

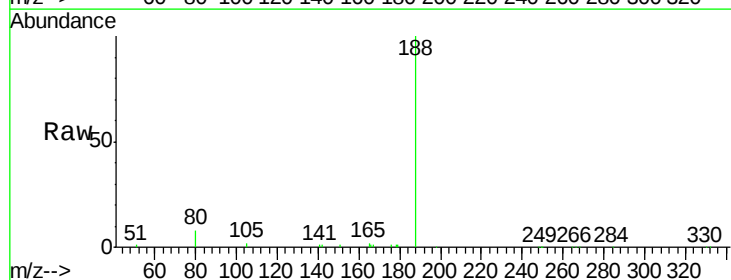
Tgt Ion:188 Resp: 30068

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

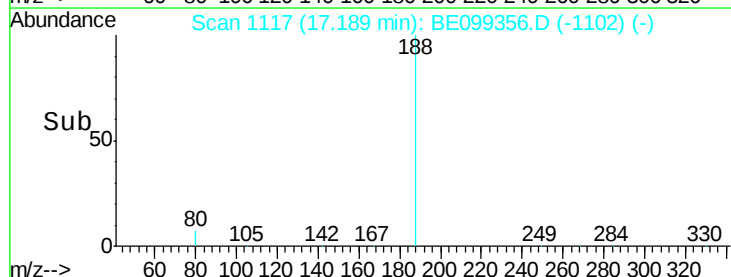
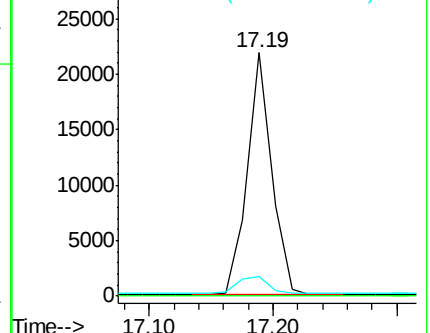
80 7.9 6.2 9.4

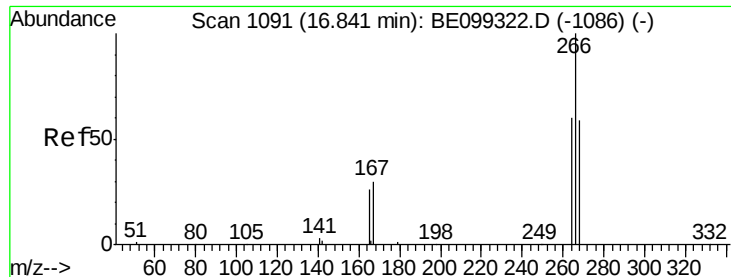


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.282 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

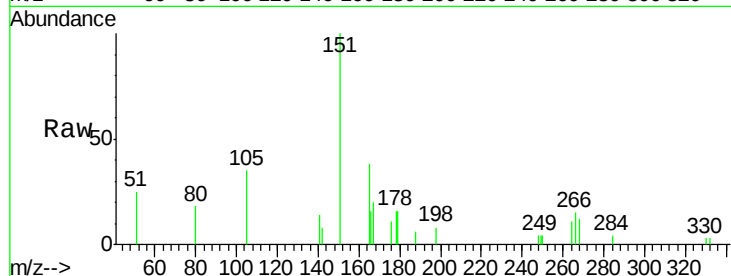
Tot Ion:266 Resp: 398

Ion Ratio Lower Upper

266 100

264 69.4 54.5 81.7

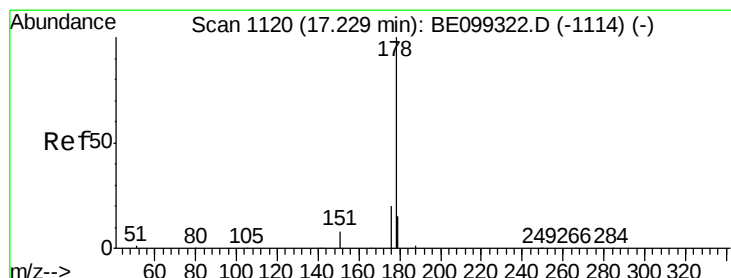
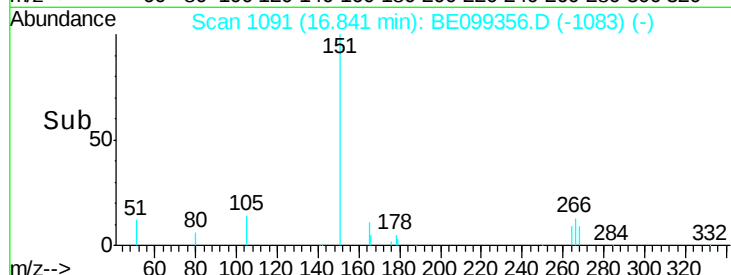
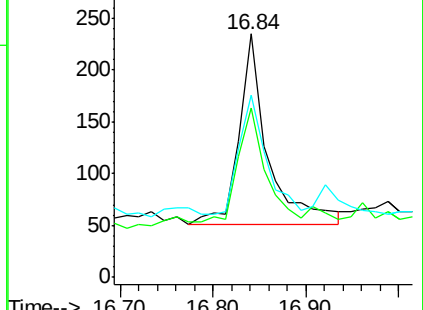
268 74.9 54.3 81.5



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: 2.963 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

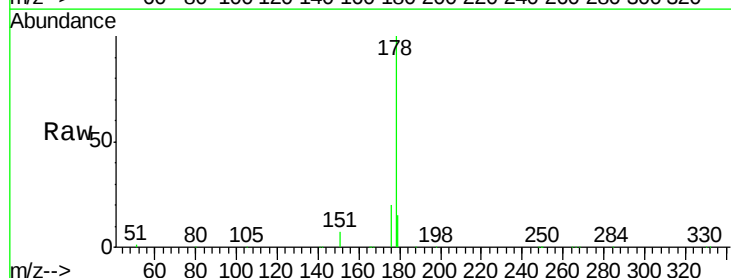
Tgt Ion:178 Resp: 235958

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

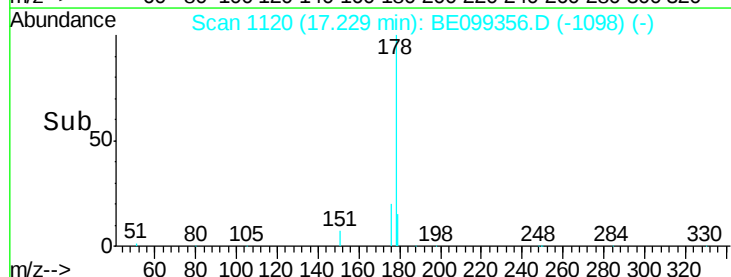
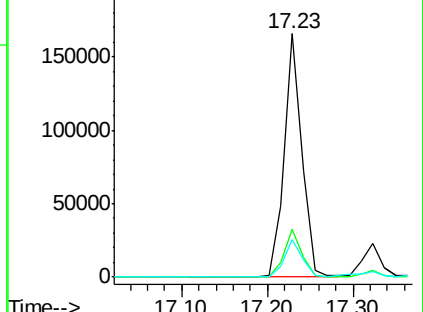
179 15.3 12.4 18.6

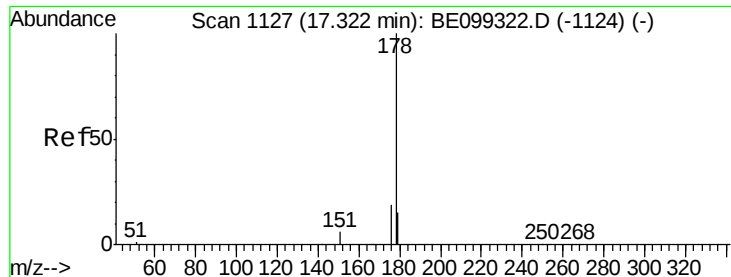


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.444 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

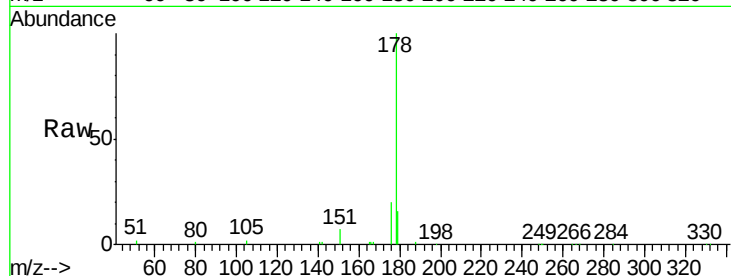
Tot Ion:178 Resp: 31446

Ion Ratio Lower Upper

178 100

176 20.1 15.1 22.7

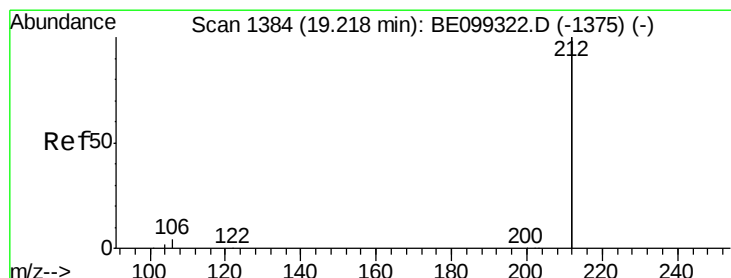
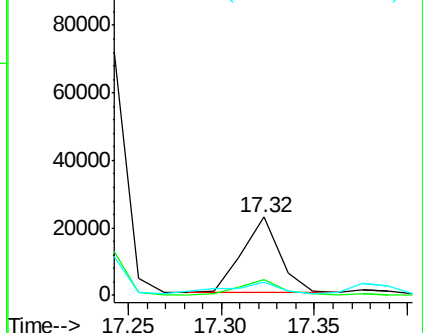
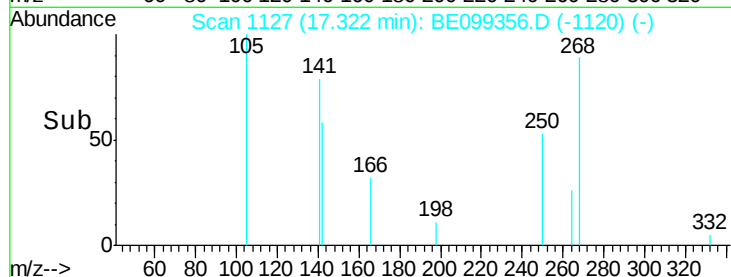
179 20.5 11.9 17.9#



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: 0.265 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

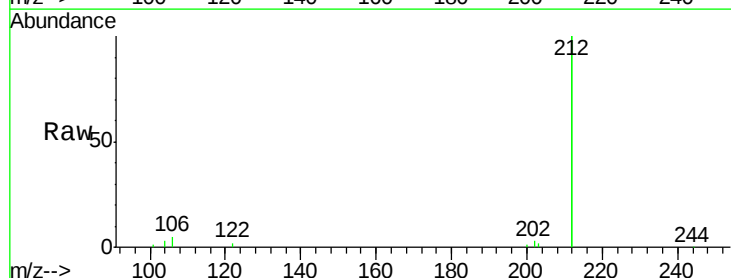
Tgt Ion:212 Resp: 95740

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.6

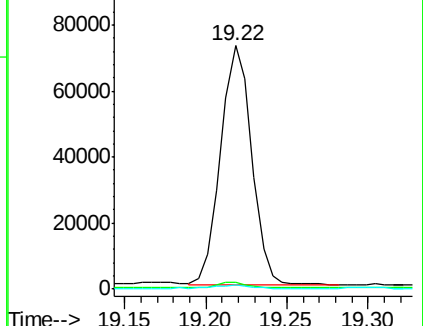
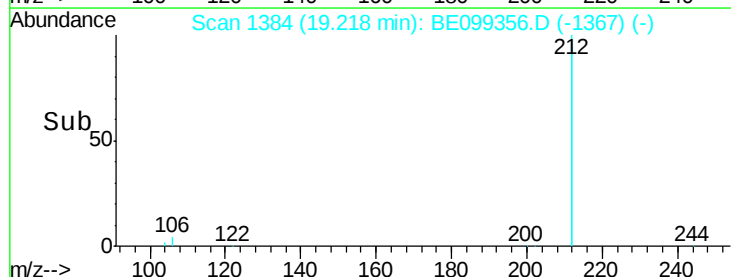
104 1.3 1.0 1.4

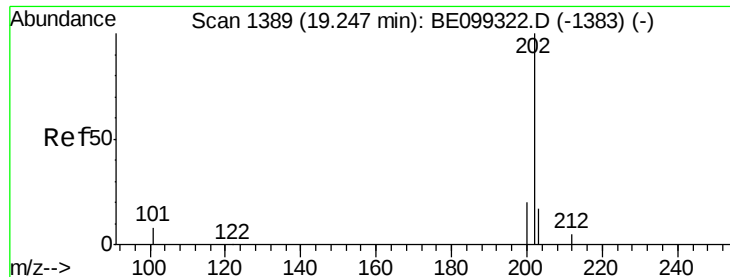


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 4.717 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

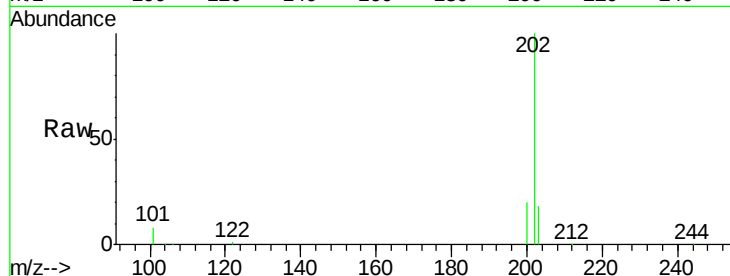
Tot Ion:202 Resp: 502740

Ion Ratio Lower Upper

202 100

101 7.9 6.4 9.6

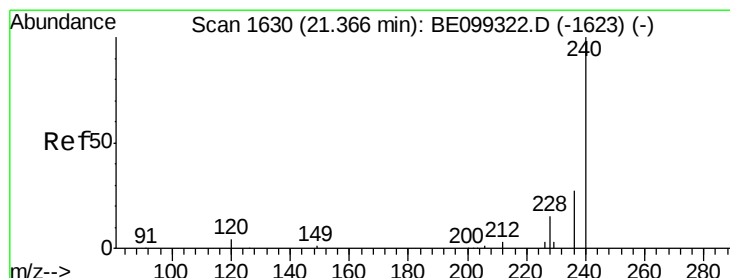
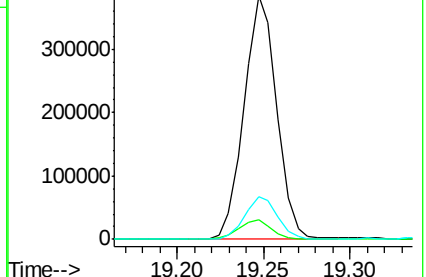
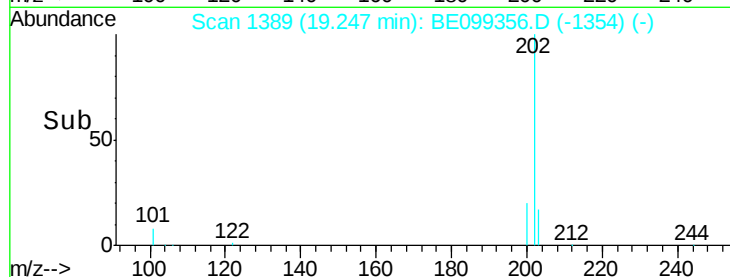
203 17.7 13.5 20.3



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: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

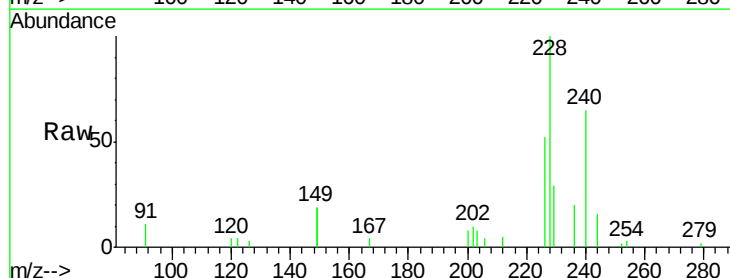
Tgt Ion:240 Resp: 33044

Ion Ratio Lower Upper

240 100

120 6.8 2.2 3.2#

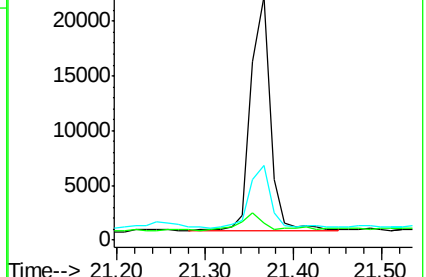
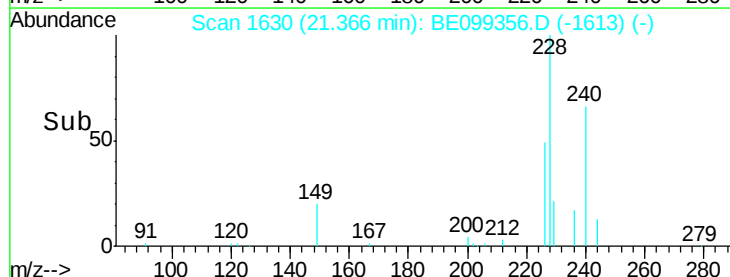
236 30.7 20.2 30.4#

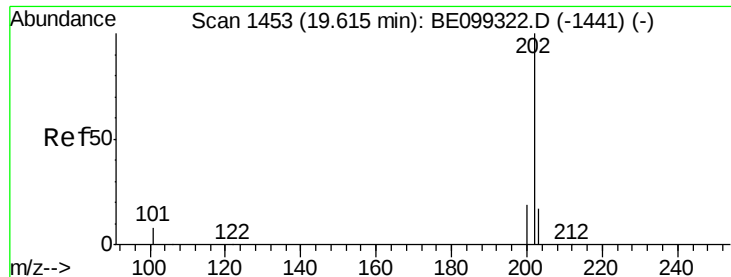


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

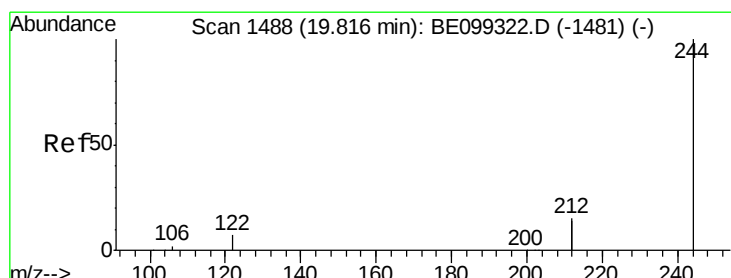
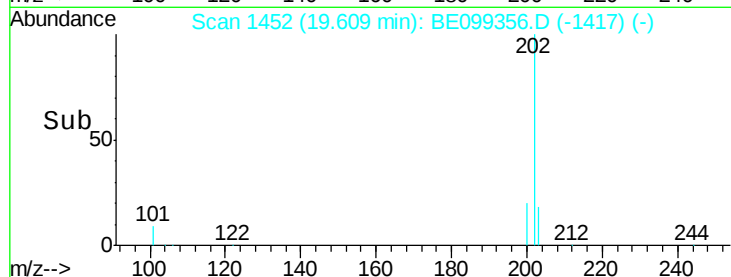
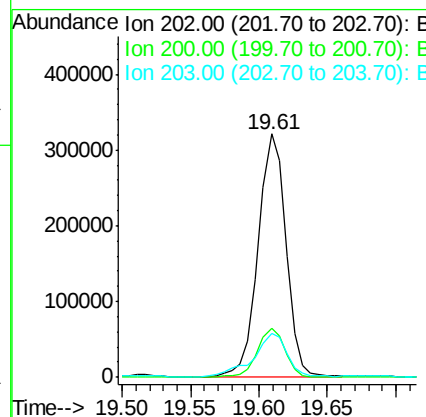
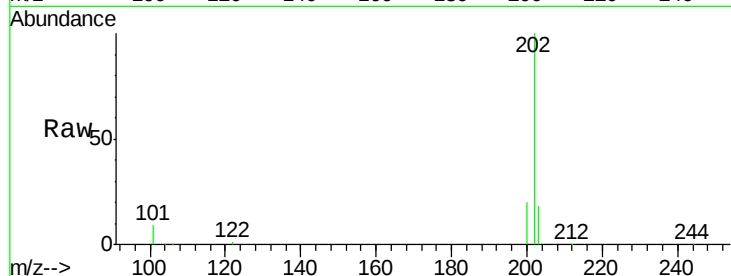




#28
Pvrene
Concen: 4.614 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BE099356.D
Acq: 25 Apr 2019 12:00

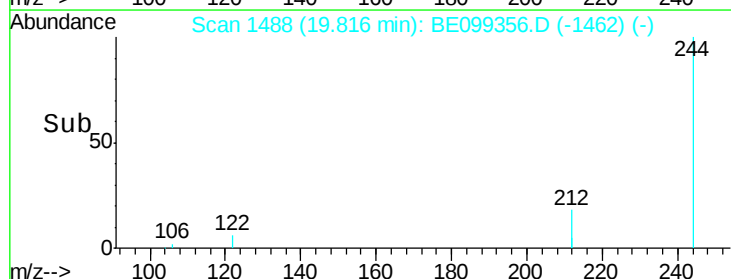
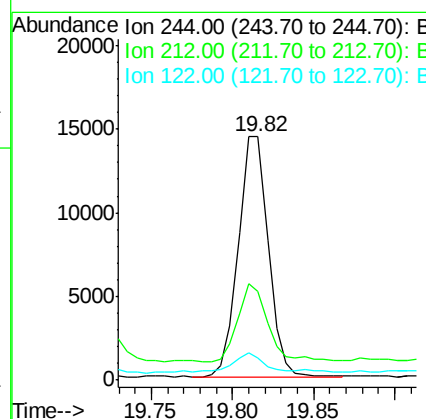
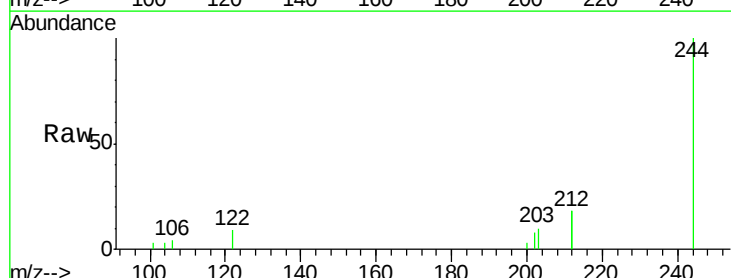
Instrument :
BNA_E
ClientSampleId :
EXT-073-SW061-042219

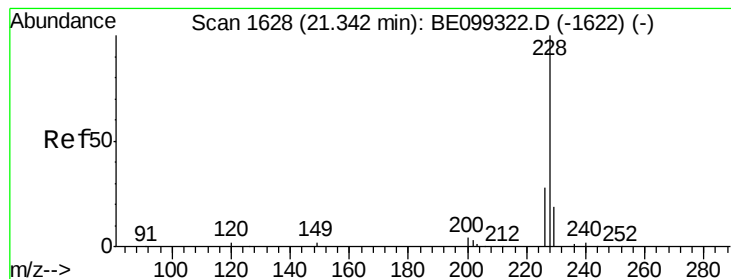
Tot Ion:202 Resp: 449136
Ion Ratio Lower Upper
202 100
200 20.1 15.7 23.5
203 21.2 13.7 20.5#



#29
Terphenyl-d14
Concen: 0.286 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099356.D
Acq: 25 Apr 2019 12:00

Tgt Ion:244 Resp: 18572
Ion Ratio Lower Upper
244 100
212 36.5 22.6 33.8#
122 9.3 4.6 7.0#





#30

Benzo(a)anthracene

Concen: 2.586 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

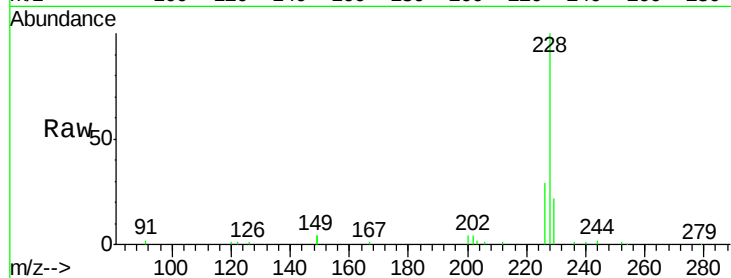
Tot Ion:228 Resp: 251240

Ion Ratio Lower Upper

228 100

226 29.4 22.0 33.0

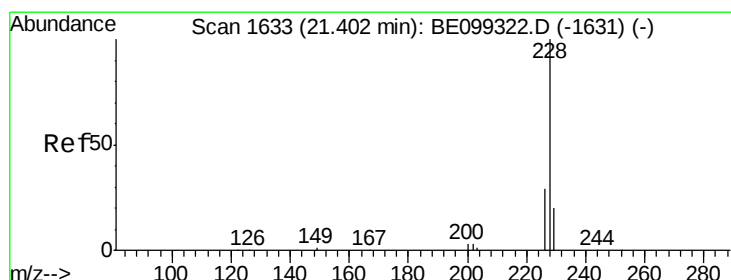
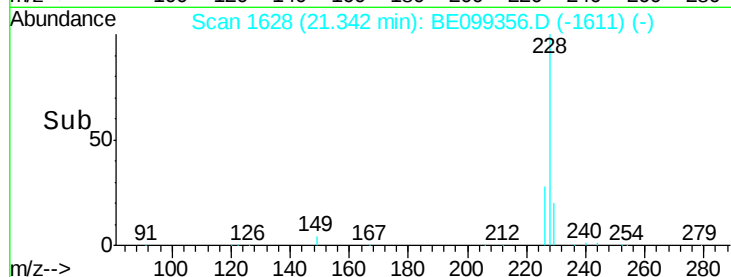
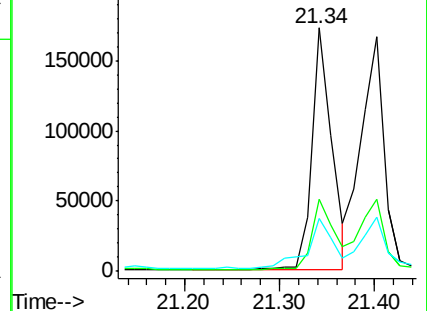
229 21.7 15.8 23.8



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: 2.692 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

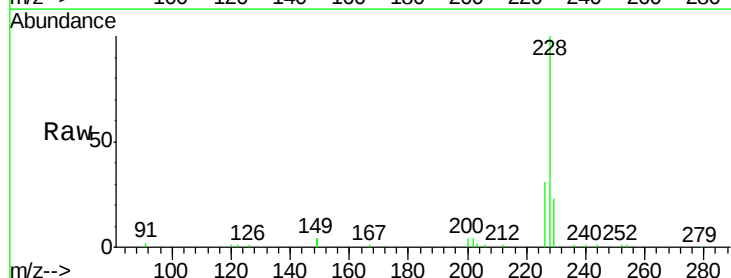
Tgt Ion:228 Resp: 278343

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

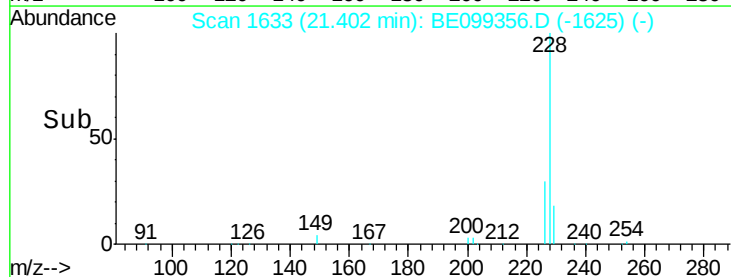
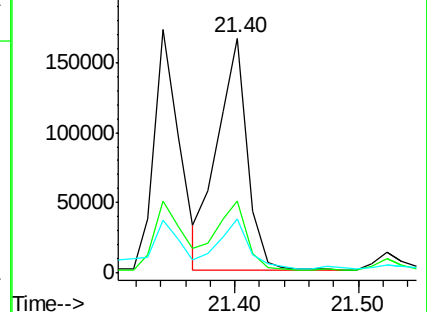
229 22.9 16.2 24.2

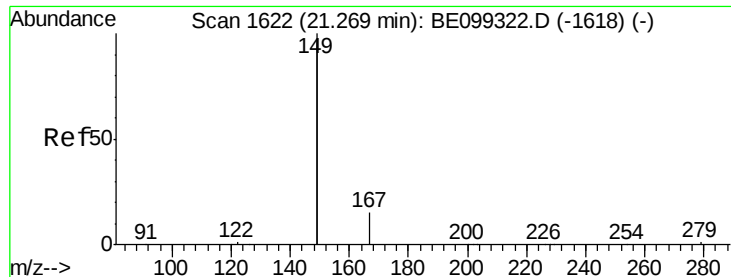


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 5.315 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

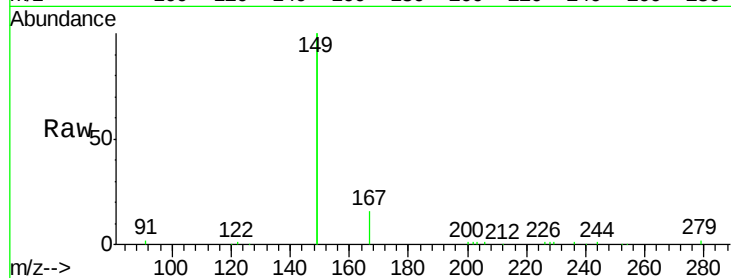
Tot Ion:149 Resp: 469805

Ion Ratio Lower Upper

149 100

167 7.3 6.0 9.0

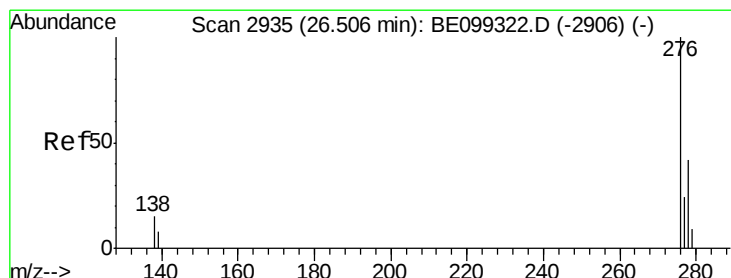
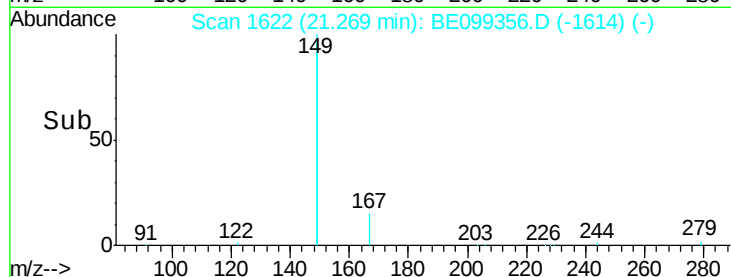
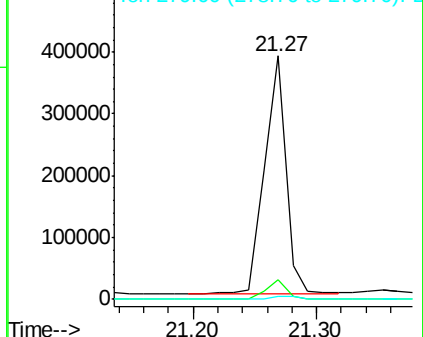
279 1.3 1.1 1.7



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: 1.585 ng

RT: 26.51 min Scan# 2935

Delta R.T. 0.01 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

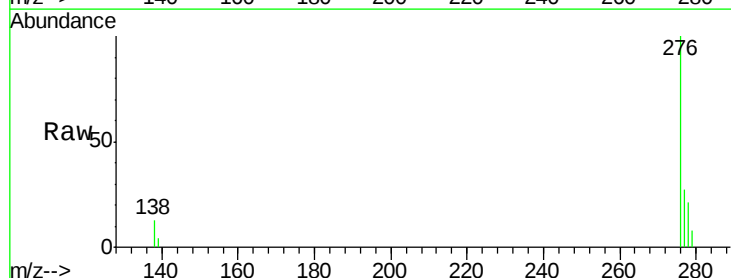
Tgt Ion:276 Resp: 161827

Ion Ratio Lower Upper

276 100

138 11.5 12.7 19.1#

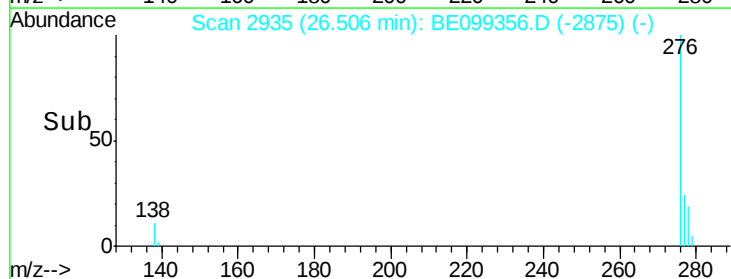
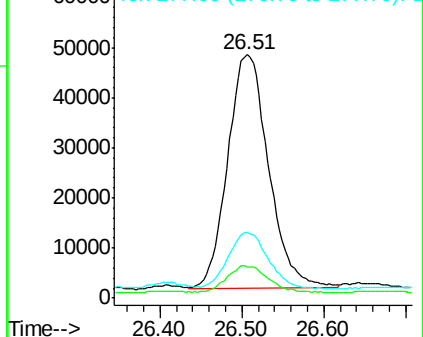
277 23.4 19.6 29.4

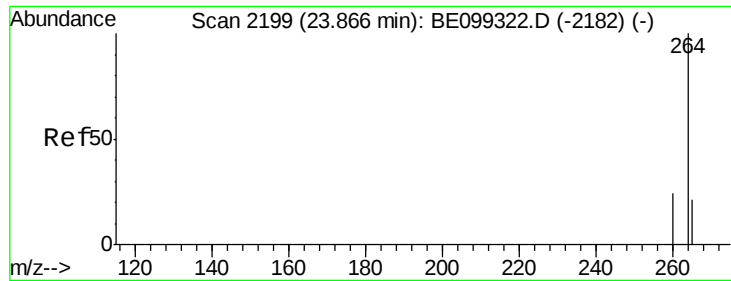


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

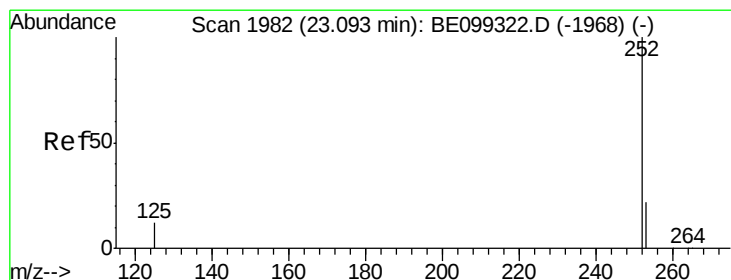
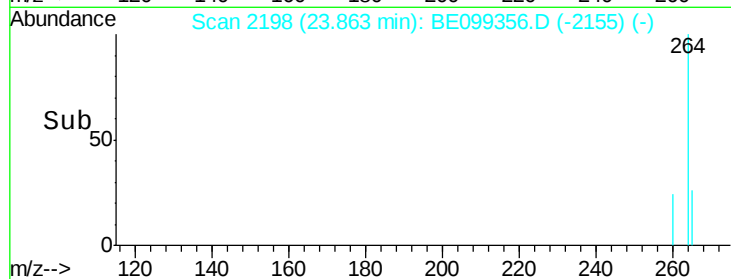
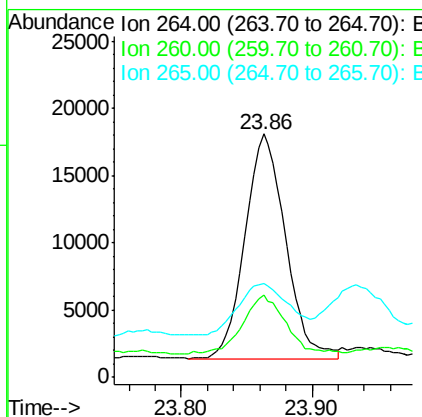
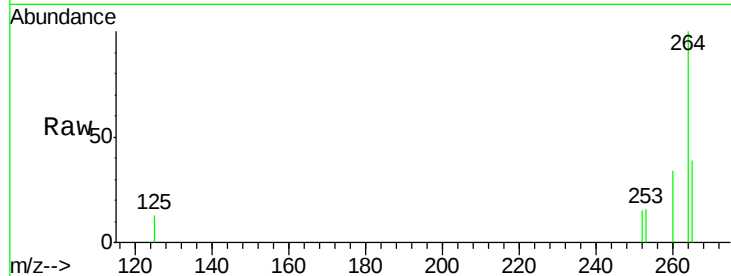




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BE099356.D
Acq: 25 Apr 2019 12:00

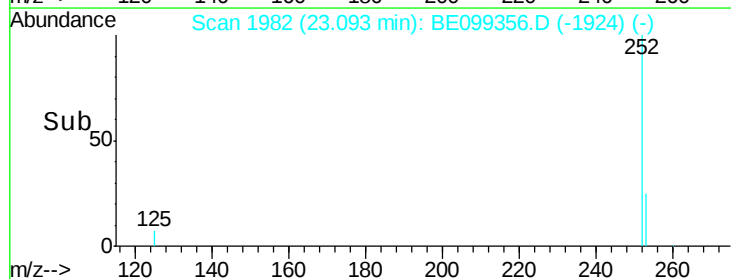
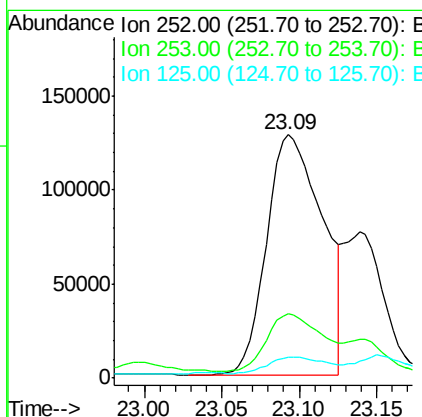
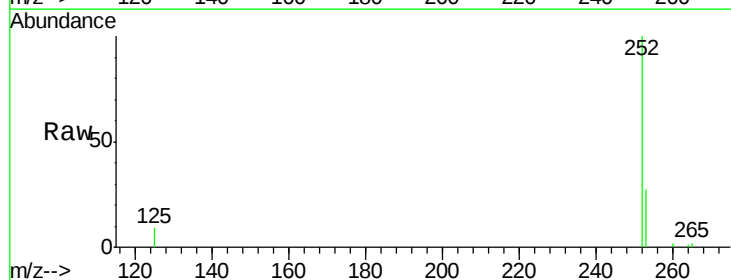
Instrument :
BNA_E
ClientSampleId :
EXT-073-SW061-042219

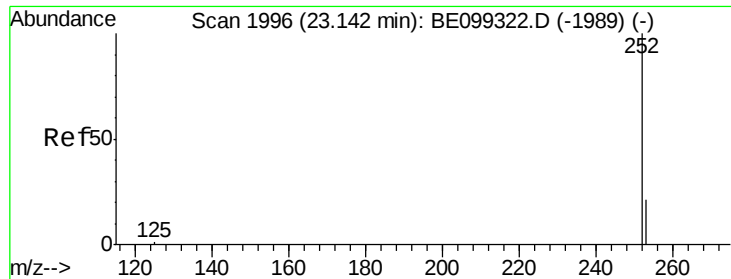
Tot Ion:264 Resp: 35933
Ion Ratio Lower Upper
264 100
260 33.7 20.1 30.1#
265 38.5 19.9 29.9#



#35
Benzo(b)fluoranthene
Concen: 2.909 ng
RT: 23.09 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BE099356.D
Acq: 25 Apr 2019 12:00

Tgt Ion:252 Resp: 319988
Ion Ratio Lower Upper
252 100
253 26.6 17.3 25.9#
125 8.6 5.8 8.6

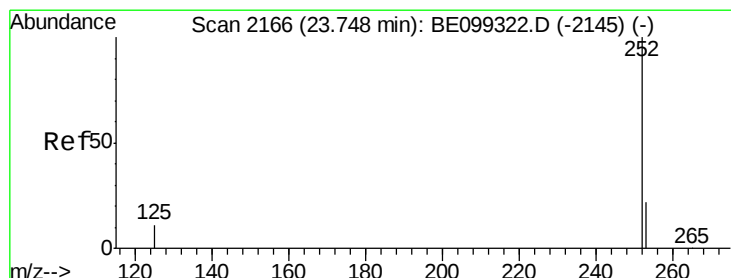
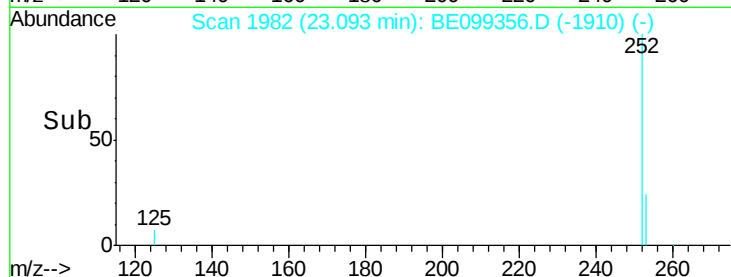
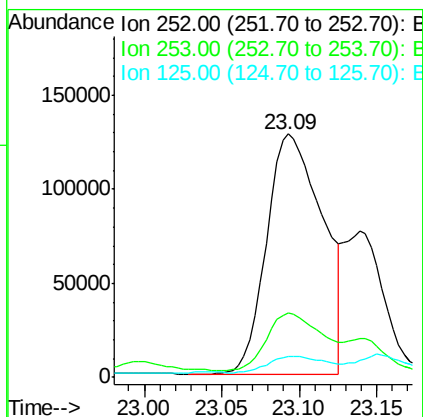
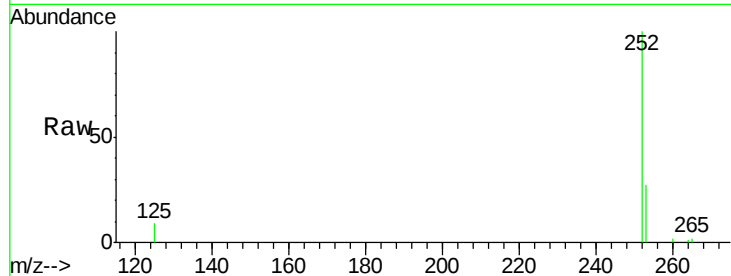




#36
Benzo(k)fluoranthene
Concen: 2.918 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.04 min
Lab File: BE099356.D
Acq: 25 Apr 2019 12:00

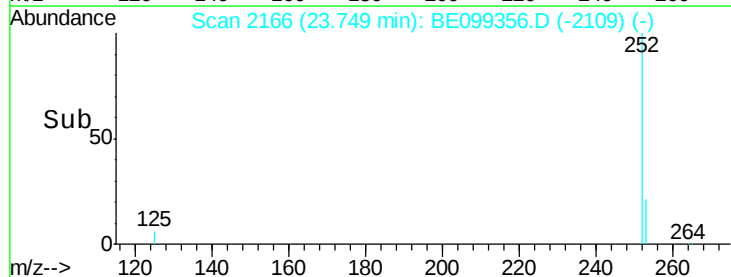
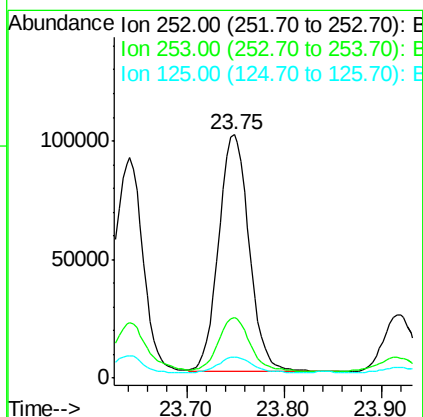
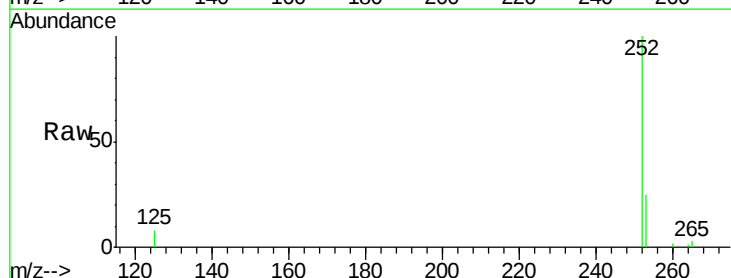
Instrument :
BNA_E
ClientSampleId :
EXT-073-SW061-042219

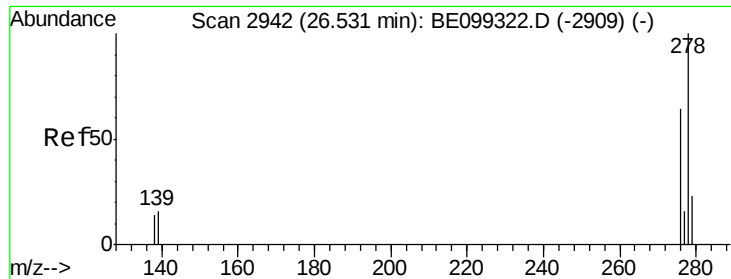
Tot Ion:252 Resp: 319988
Ion Ratio Lower Upper
252 100
253 26.6 18.4 27.6
125 8.6 5.4 8.0#



#37
Benzo(a)pyrene
Concen: 2.220 ng
RT: 23.75 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BE099356.D
Acq: 25 Apr 2019 12:00

Tgt Ion:252 Resp: 218758
Ion Ratio Lower Upper
252 100
253 24.9 17.6 26.4
125 8.5 6.5 9.7





#38

Dibenzo(a,h)anthracene

Concen: 0.398 ng

RT: 26.52 min Scan# 2939

Delta R.T. 0.00 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW061-042219

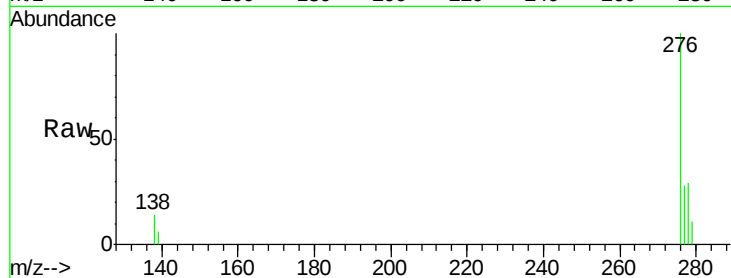
Tot Ion:278 Resp: 40083

Ion Ratio Lower Upper

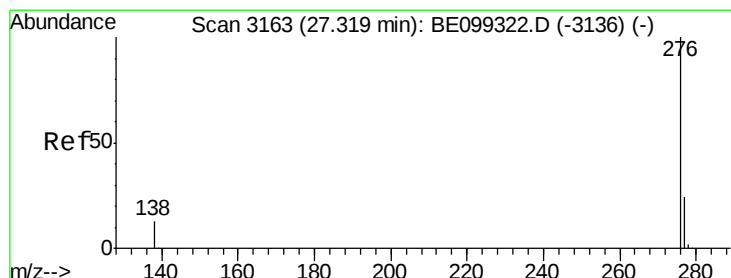
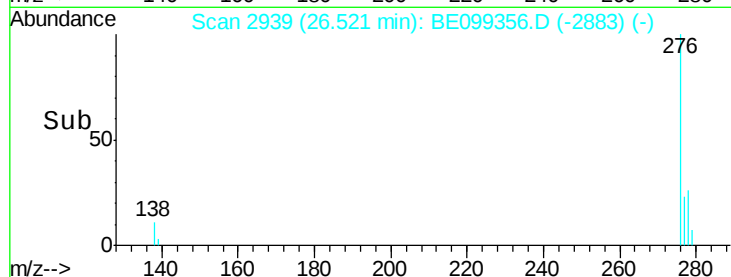
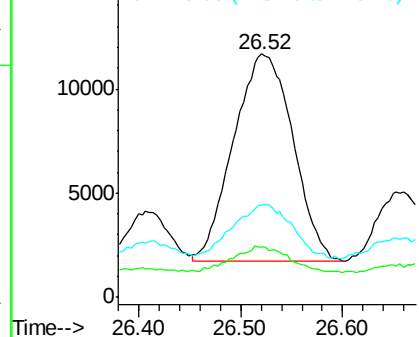
278 100

139 20.5 8.5 12.7#

279 38.2 19.8 29.8#



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: 1.668 ng

RT: 27.33 min Scan# 3166

Delta R.T. 0.03 min

Lab File: BE099356.D

Acq: 25 Apr 2019 12:00

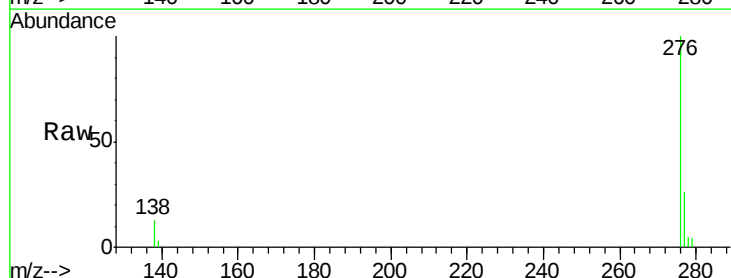
Tgt Ion:276 Resp: 170416

Ion Ratio Lower Upper

276 100

277 26.2 20.0 30.0

138 13.4 11.1 16.7



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

