

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
 Data File : BE099650.D
 Acq On : 17 May 2019 13:50
 Operator : JU/SJ
 Sample : K2838-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 17 15:37:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 14 19:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2065	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	6766	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4344	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11869	0.40	ng	0.00
27) Chrysene-d12	21.42	240	18423	0.40	ng	0.00
34) Perylene-d12	23.96	264	23182	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1528	0.26	ng	0.01
5) Phenol-d6	6.98	99	1938	0.26	ng	0.00
8) Nitrobenzene-d5	8.98	82	1596	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3422	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	551	0.19	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4238	0.25	ng	0.00
25) Fluoranthene-d10	19.26	212	36251	0.23	ng	0.00
29) Terphenyl-d14	19.86	244	7166	0.22	ng	0.00

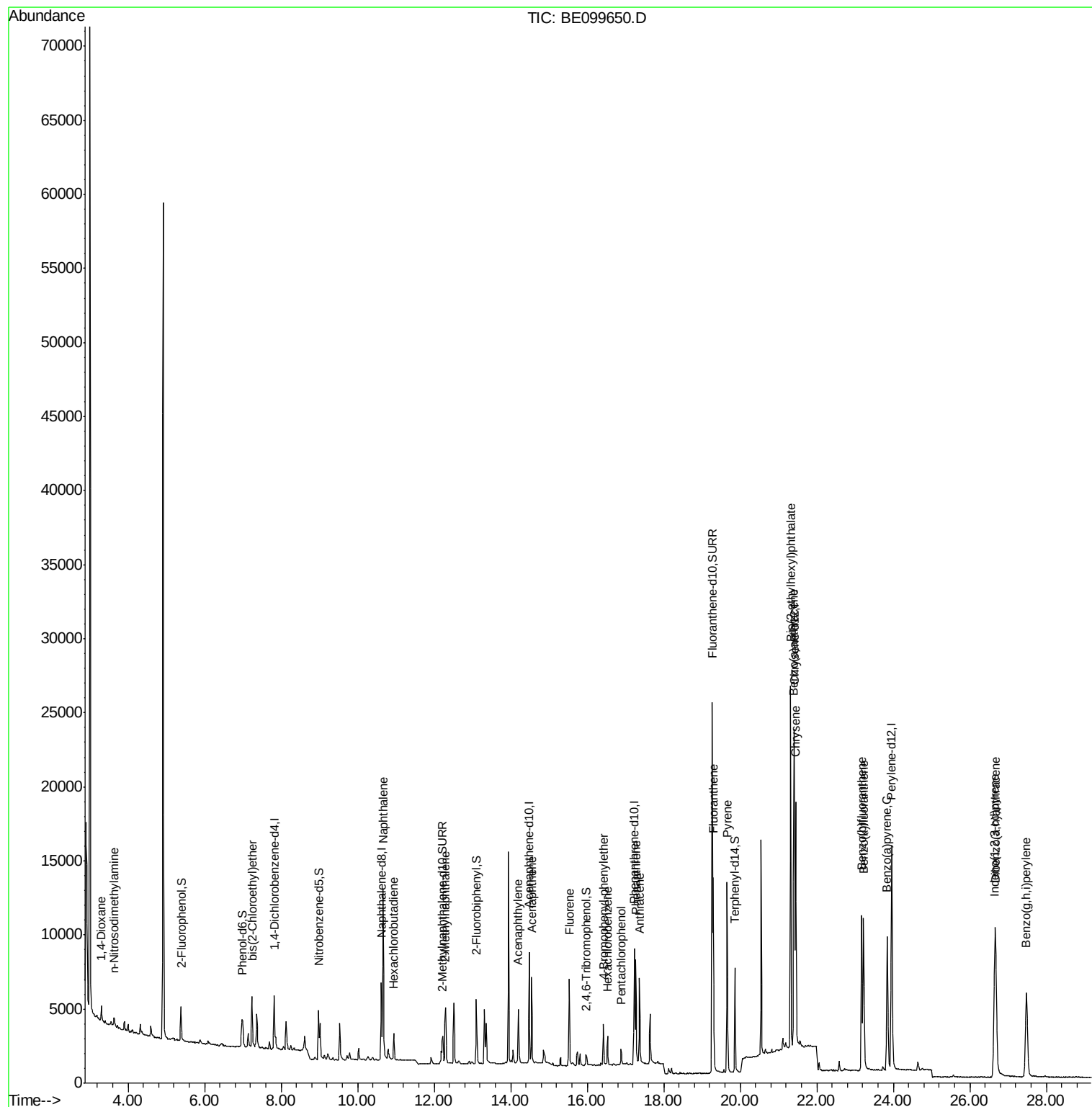
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	728	0.239	ng	# 56
3) n-Nitrosodimethylamine	3.62	42	384	0.198	ng	# 76
6) bis(2-Chloroethyl)ether	7.24	93	1611	0.258	ng	94
9) Naphthalene	10.67	128	19103	0.265	ng	100
10) Hexachlorobutadiene	10.94	225	1333	0.253	ng	99
12) 2-Methylnaphthalene	12.30	142	3058	0.257	ng	99
16) Acenaphthylene	14.20	152	5199	0.253	ng	99
17) Acenaphthene	14.54	154	2974	0.257	ng	99
18) Fluorene	15.53	166	4068	0.245	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	1710	0.250	ng	95
21) Hexachlorobenzene	16.53	284	1715	0.255	ng	98
22) Pentachlorophenol	16.88	266	794	0.478	ng	89
23) Phenanthrene	17.27	178	7650	0.260	ng	99
24) Anthracene	17.36	178	6699	0.246	ng	98
26) Fluoranthene	19.29	202	11732	0.263	ng	99
28) Pyrene	19.66	202	12512	0.266	ng	99
30) Benzo(a)anthracene	21.40	228	15228	0.274	ng	99
31) Chrysene	21.45	228	15248	0.266	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	27521	0.321	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	18744	0.263	ng	# 94
35) Benzo(b)fluoranthene	23.17	252	15737	0.243	ng	# 96
36) Benzo(k)fluoranthene	23.22	252	16142	0.252	ng	99
37) Benzo(a)pyrene	23.84	252	15728	0.251	ng	99
38) Dibenzo(a,h)anthracene	26.68	278	15358	0.236	ng	99
39) Benzo(g,h,i)perylene	27.48	276	16091	0.246	ng	99

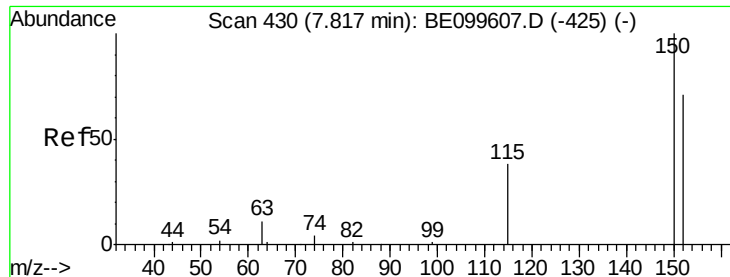
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE051719\
Data File : BE099650.D
Acq On : 17 May 2019 13:50
Operator : JU/SJ
Sample : K2838-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 17 15:37:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:30:50 2019
Response via : Initial Calibration



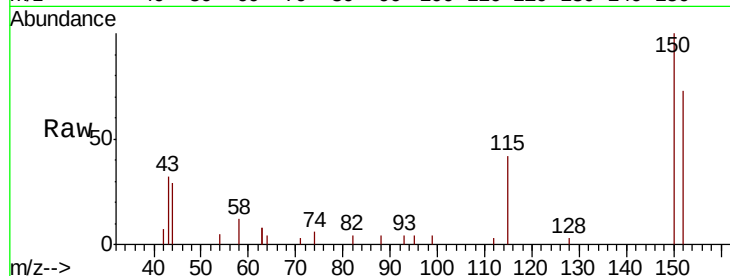


#1

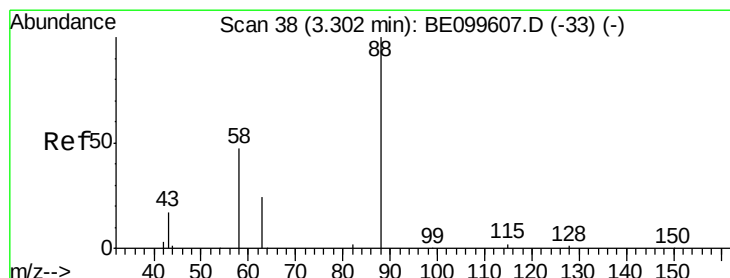
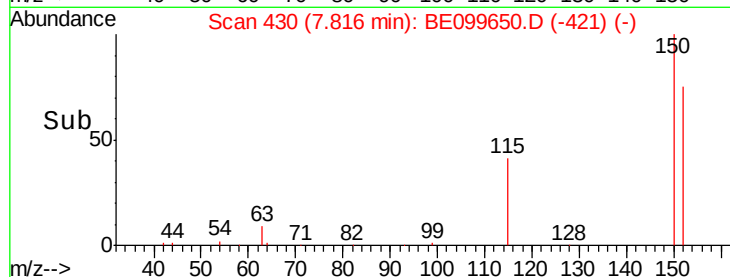
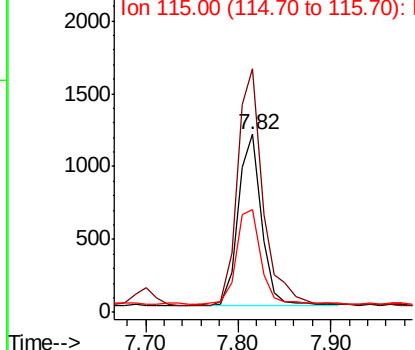
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2065
Ion Ratio Lower Upper
152 100
150 136.9 110.1 165.1
115 57.6 46.2 69.4



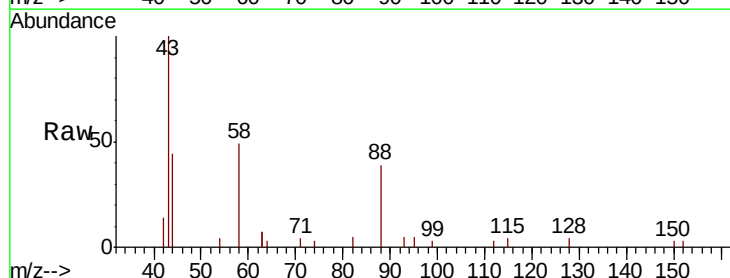
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



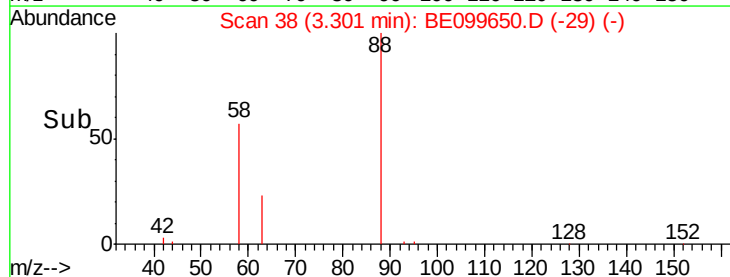
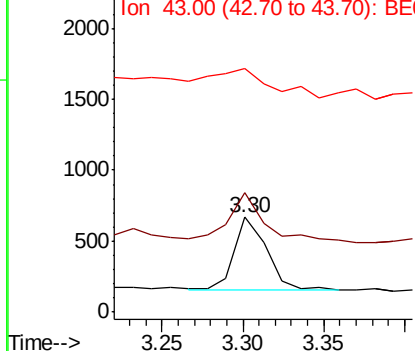
#2

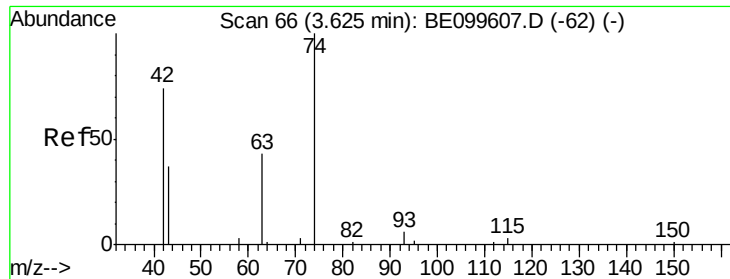
1,4-Dioxane
Concen: 0.239 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.00 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

Tgt Ion: 88 Resp: 728
Ion Ratio Lower Upper
88 100
58 63.7 39.8 59.6#
43 71.4 21.0 31.6#



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





#3

n-Nitrosodimethylamine

Concen: 0.198 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

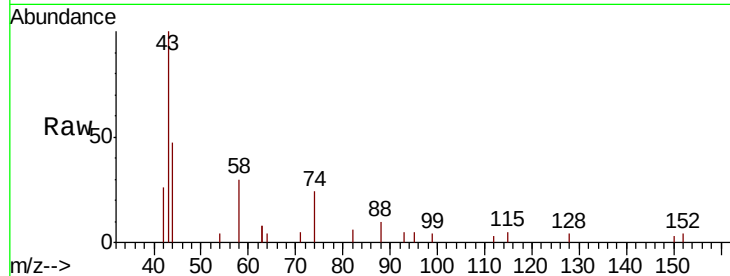
Tot Ion: 42 Resp: 384

Ion Ratio Lower Upper

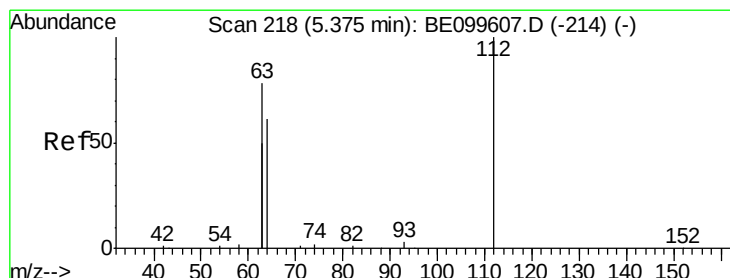
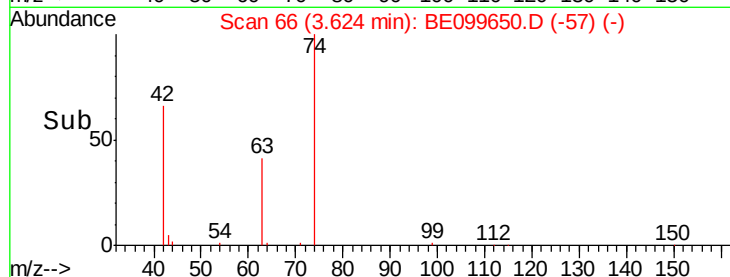
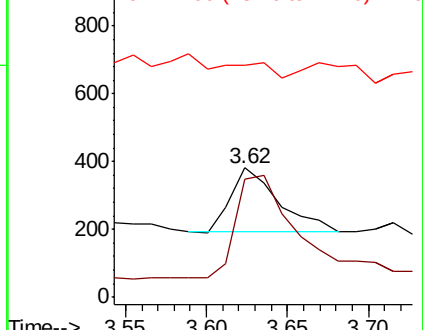
42 100

74 199.7 134.7 202.1

44 0.0 12.5 18.7#



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: 0.261 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

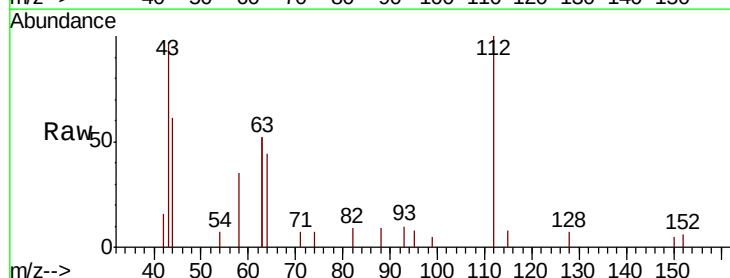
Tgt Ion: 112 Resp: 1528

Ion Ratio Lower Upper

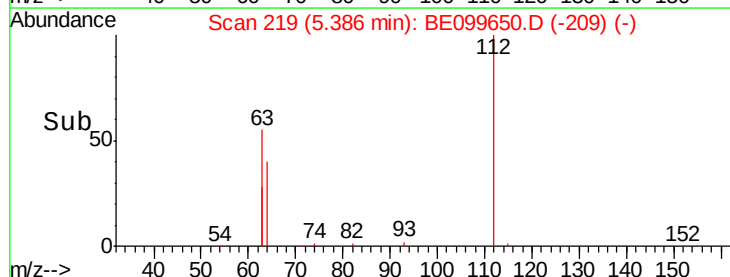
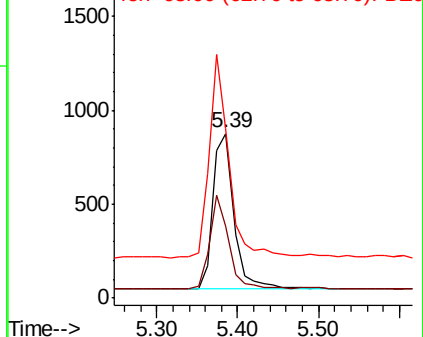
112 100

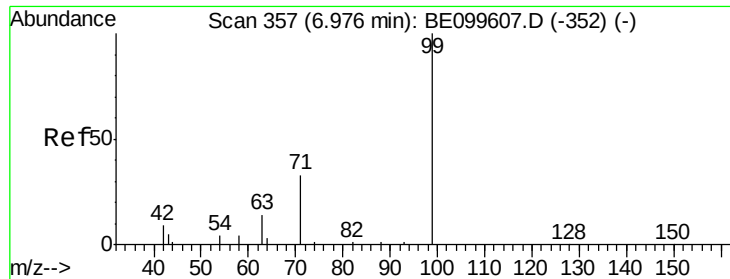
64 55.0 43.7 65.5

63 119.3 94.0 141.0



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: 0.261 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

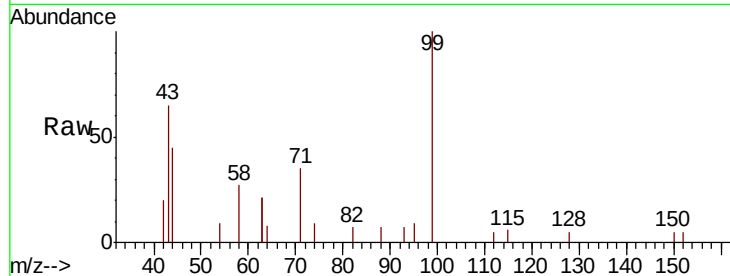
Tot Ion: 99 Resp: 1938

Ion Ratio Lower Upper

99 100

42 17.0 14.3 21.5

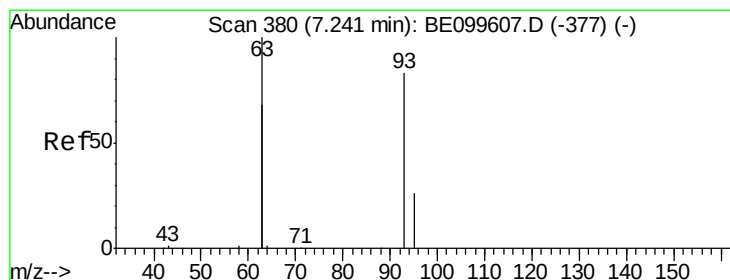
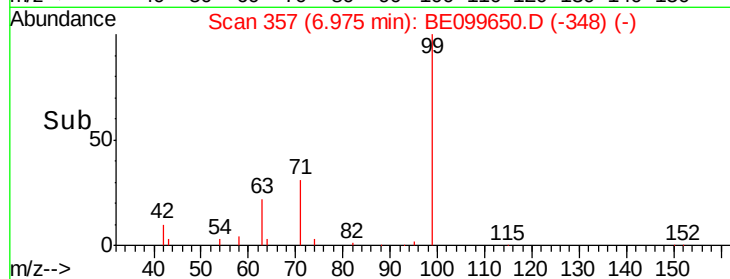
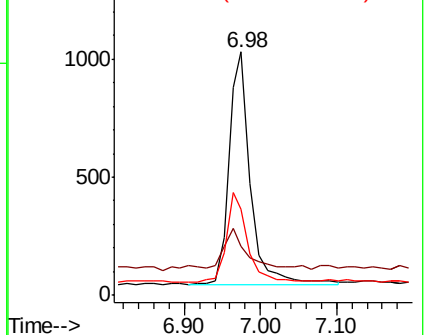
71 38.0 33.1 49.7



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: 0.258 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

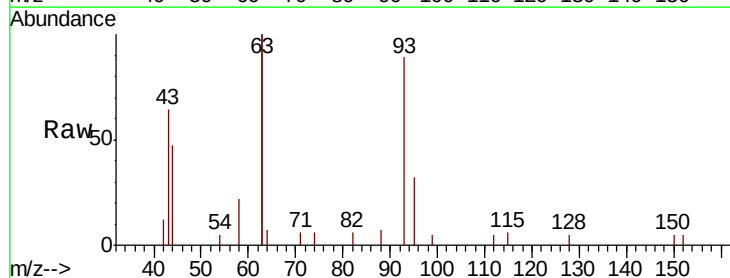
Tgt Ion: 93 Resp: 1611

Ion Ratio Lower Upper

93 100

63 261.6 201.0 301.4

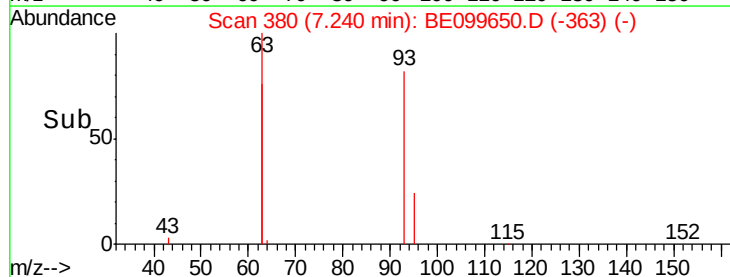
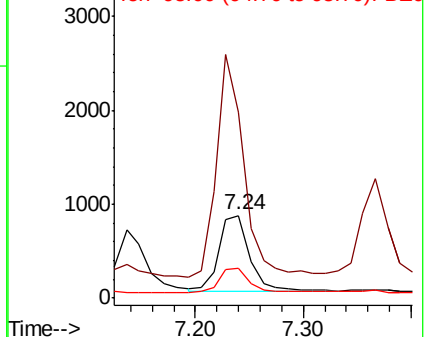
95 32.4 25.0 37.4

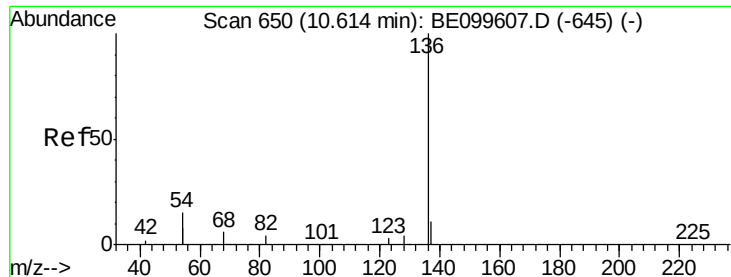


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 6766

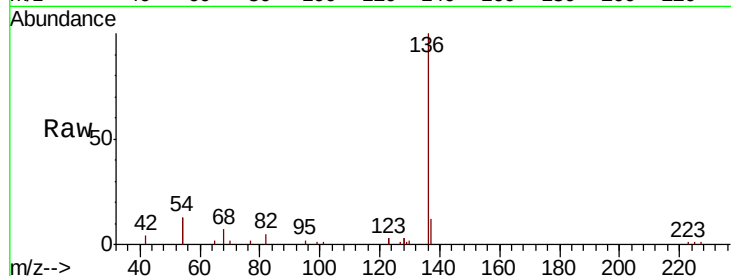
Ion Ratio Lower Upper

136 100

137 11.7 9.7 14.5

54 26.4 23.8 35.8

68 7.0 6.2 9.2

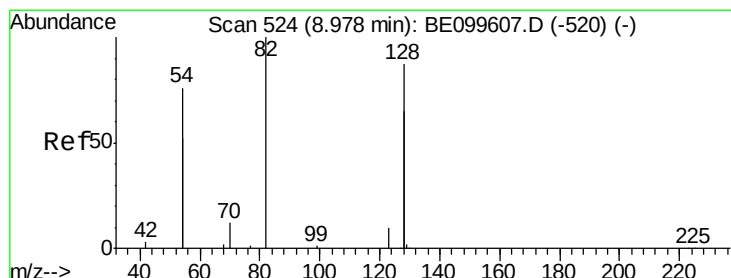
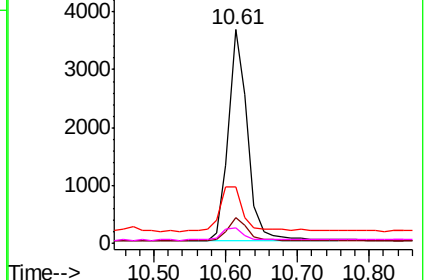
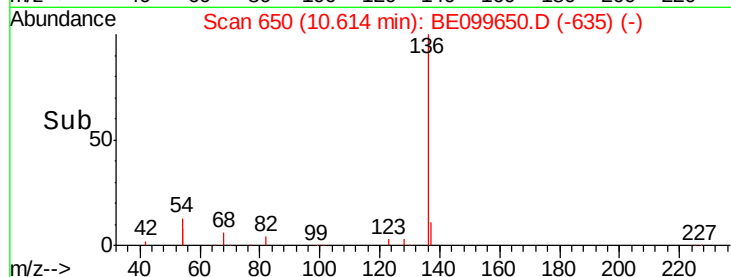


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.244 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

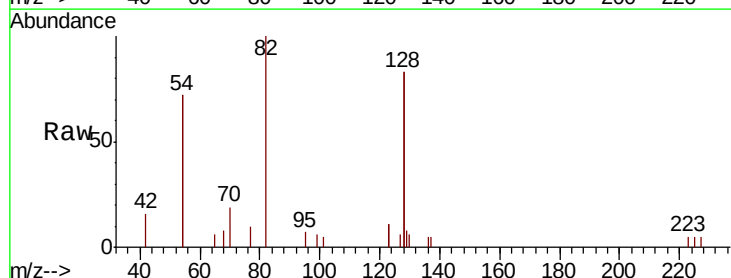
Tgt Ion: 82 Resp: 1596

Ion Ratio Lower Upper

82 100

128 166.3 131.4 197.2

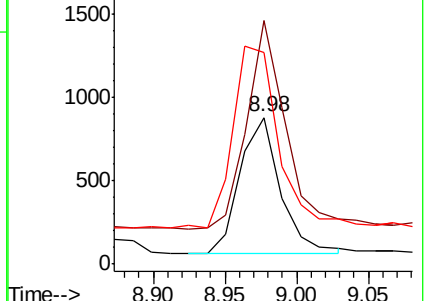
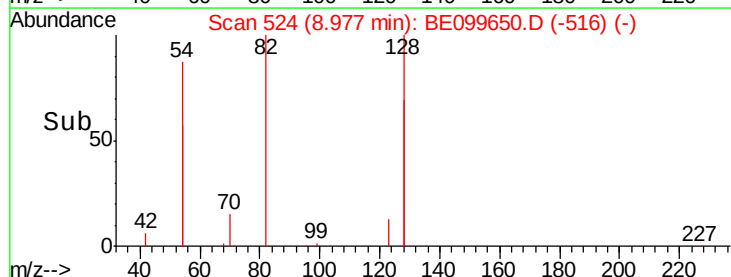
54 144.6 113.9 170.9

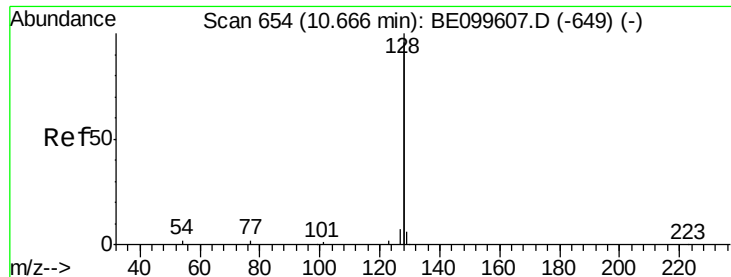


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.265 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

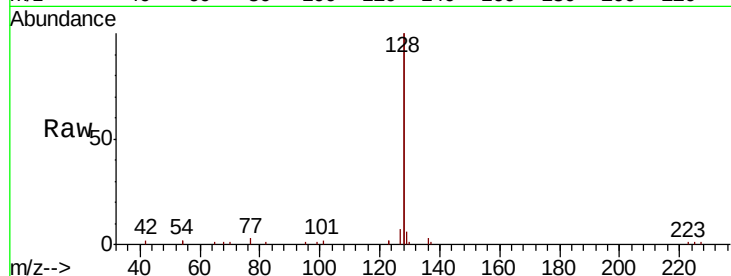
Tot Ion:128 Resp: 19103

Ion Ratio Lower Upper

128 100

129 3.2 2.6 4.0

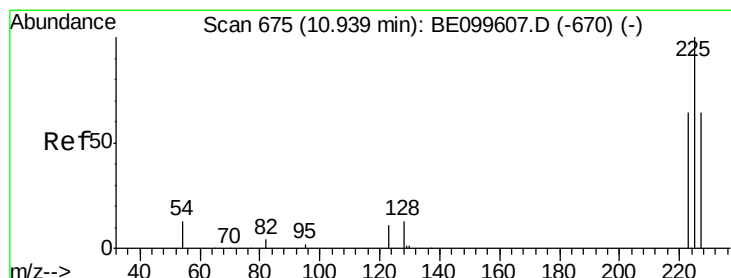
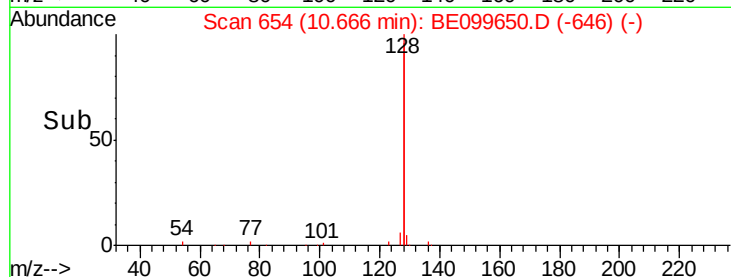
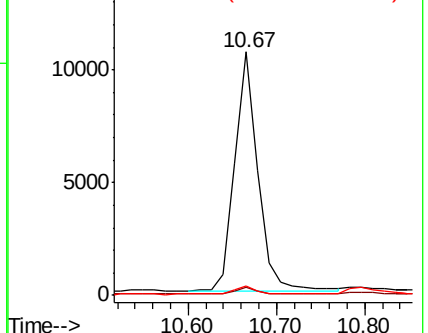
127 3.7 3.0 4.6



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

Hexachlorobutadiene

Concen: 0.253 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

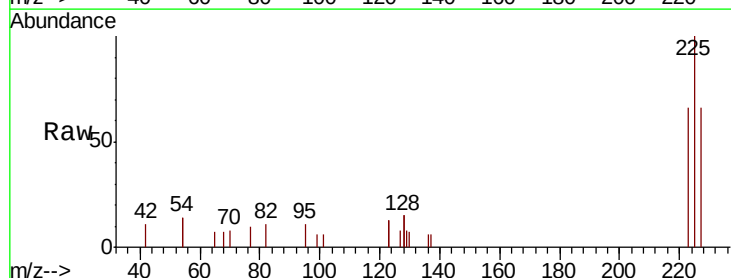
Tgt Ion:225 Resp: 1333

Ion Ratio Lower Upper

225 100

223 62.9 49.8 74.8

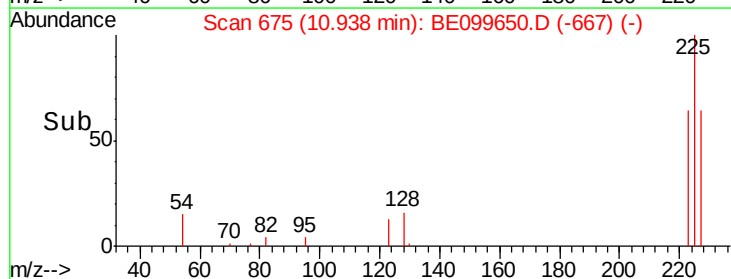
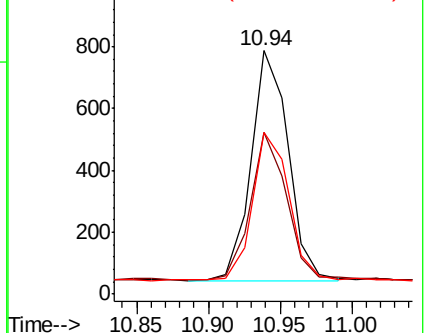
227 63.5 51.2 76.8

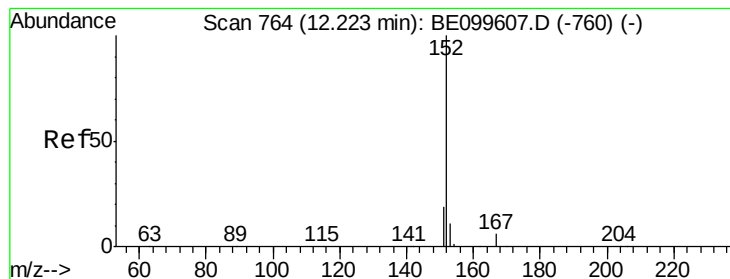


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.301 ng

RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

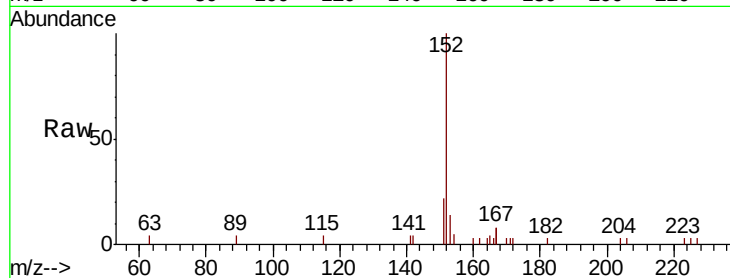
ClientSampleId :

Tot Ion:152 Resp: 3422

Ion Ratio Lower Upper

152 100

151 15.8 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.22

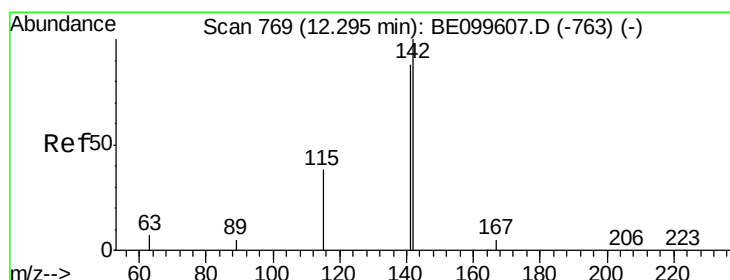
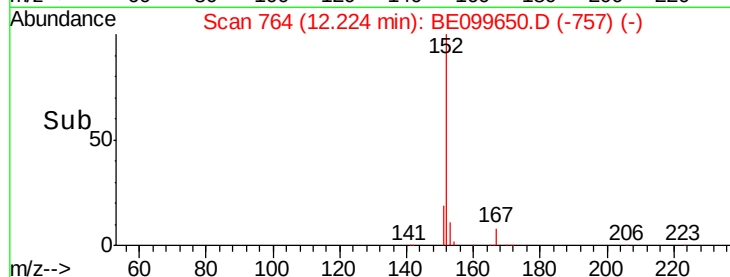
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.257 ng

RT: 12.30 min Scan# 769

Delta R.T. 0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

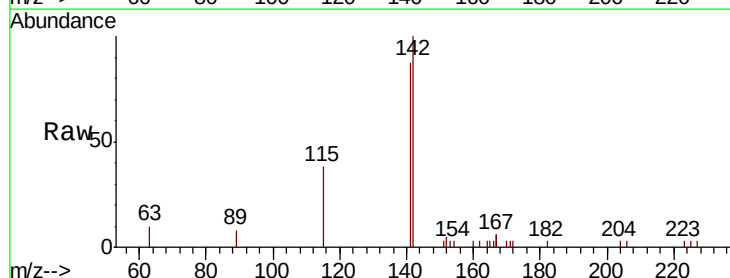
Tgt Ion:142 Resp: 3058

Ion Ratio Lower Upper

142 100

141 87.3 70.4 105.6

115 38.5 32.2 48.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.30

2000

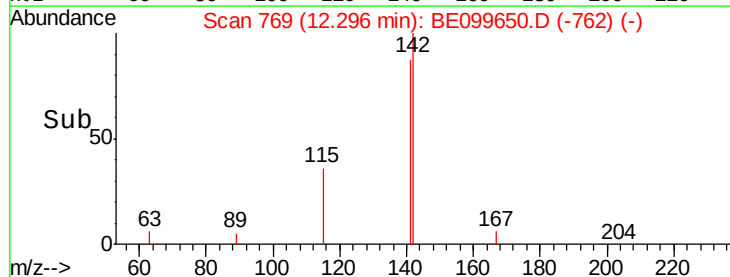
1500

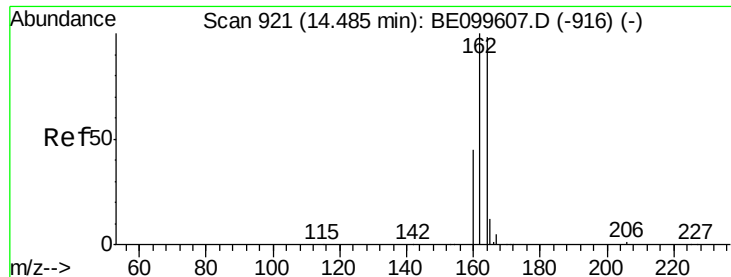
1000

500

0

Time-->

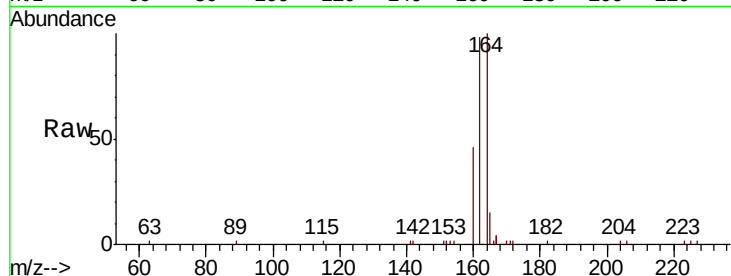




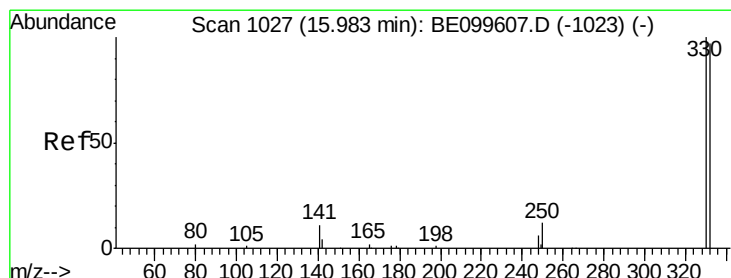
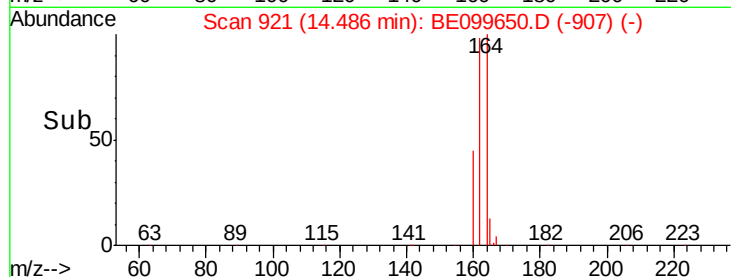
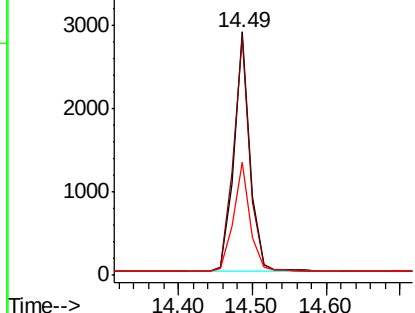
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4344
Ion Ratio Lower Upper
164 100
162 98.2 81.4 122.0
160 46.2 37.4 56.2

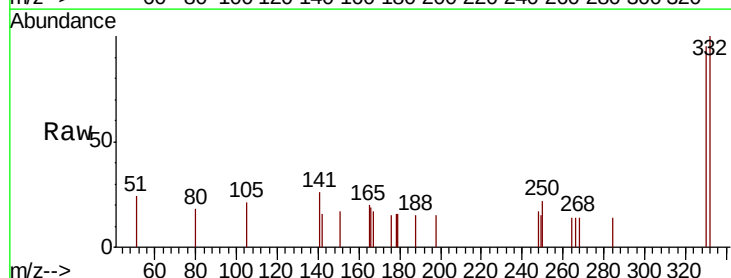


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

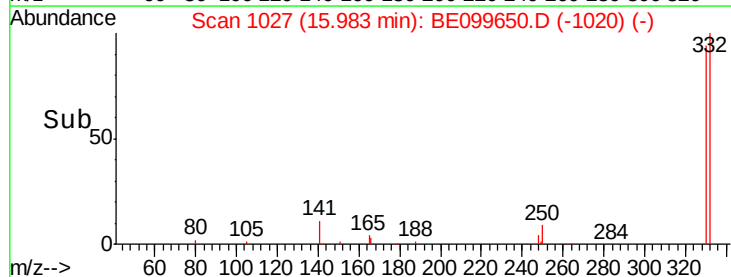
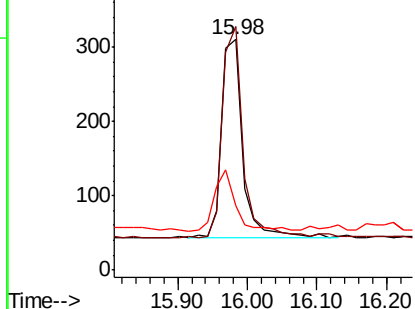


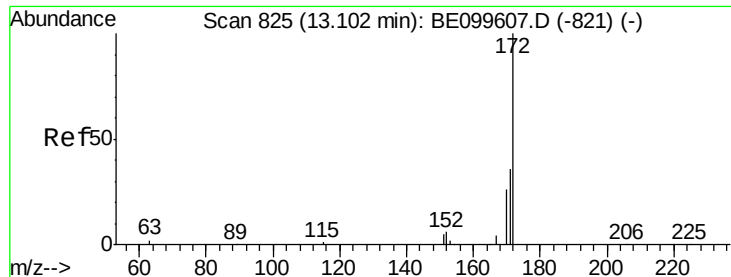
#14
2,4,6-Tribromophenol
Concen: 0.185 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

Tgt Ion:330 Resp: 551
Ion Ratio Lower Upper
330 100
332 103.8 73.8 110.8
141 32.3 21.0 31.6#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

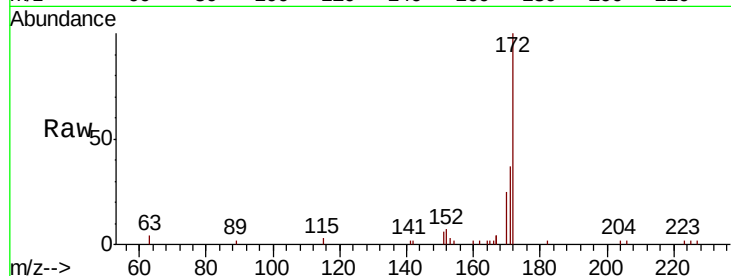




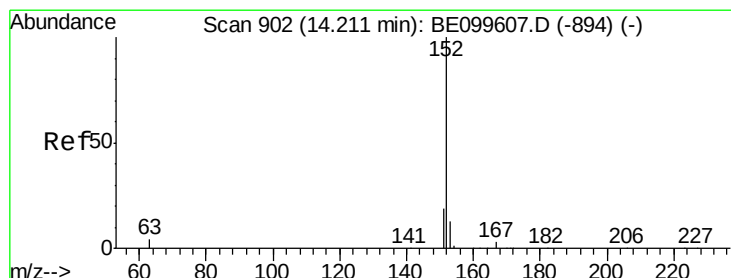
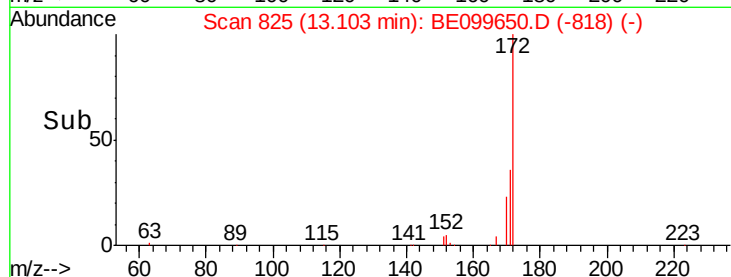
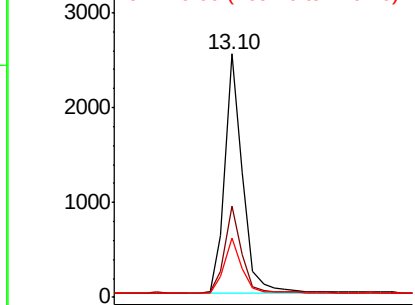
#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 4238
Ion Ratio Lower Upper
172 100
171 37.4 29.4 44.2
170 24.5 21.5 32.3

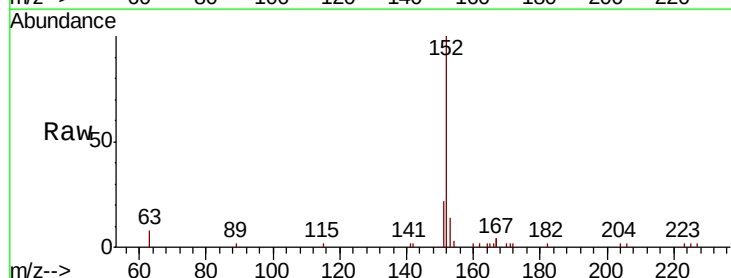


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

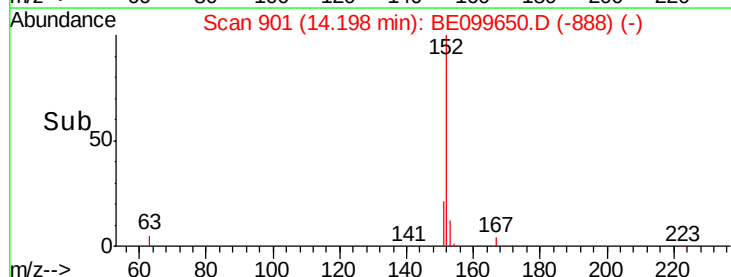
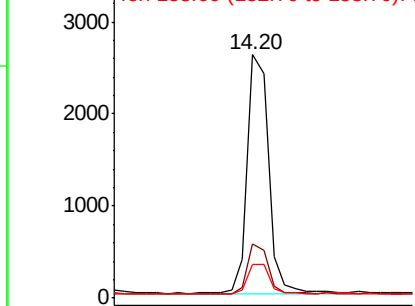


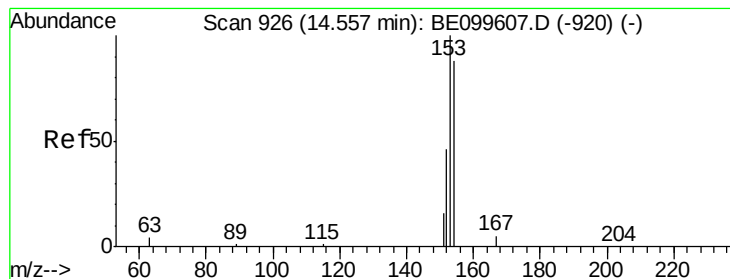
#16
Acenaphthylene
Concen: 0.253 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

Tgt Ion:152 Resp: 5199
Ion Ratio Lower Upper
152 100
151 20.2 15.6 23.4
153 12.9 10.4 15.6



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: 0.257 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.01 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

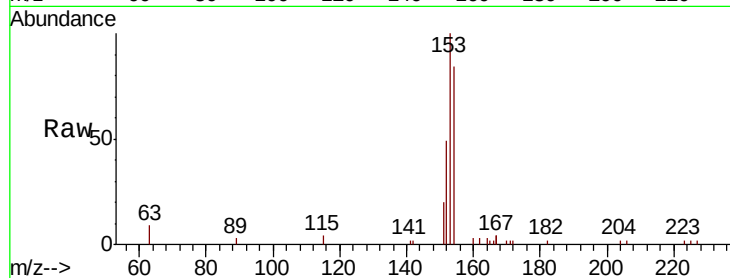
Tot Ion:154 Resp: 2974

Ion Ratio Lower Upper

154 100

153 117.2 94.1 141.1

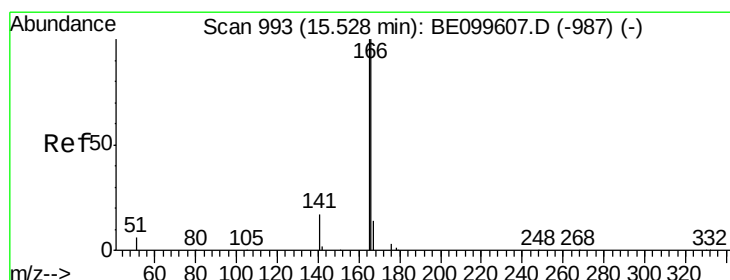
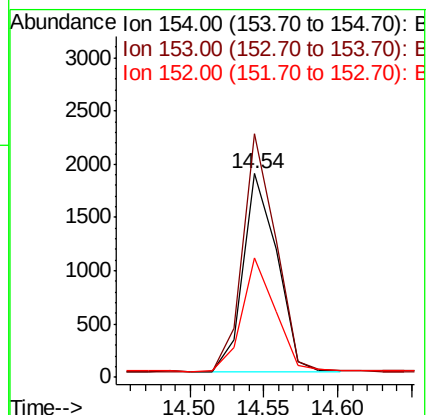
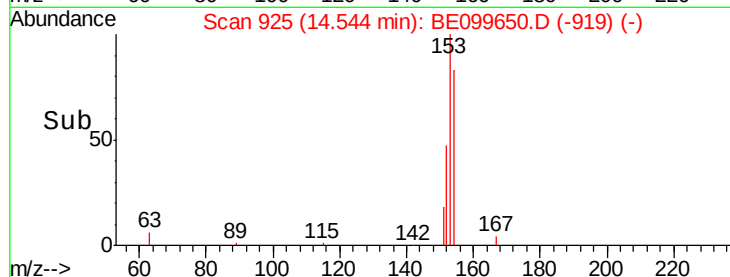
152 56.1 46.5 69.7



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: 0.245 ng

RT: 15.53 min Scan# 993

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

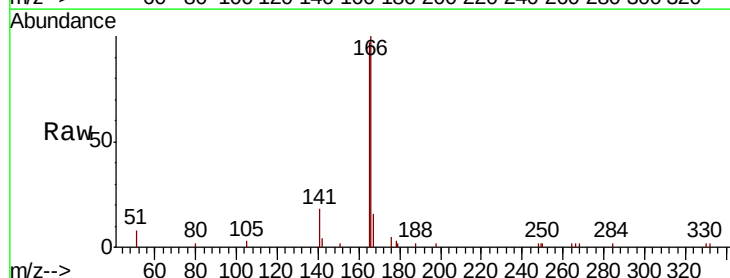
Tgt Ion:166 Resp: 4068

Ion Ratio Lower Upper

166 100

165 100.1 79.8 119.8

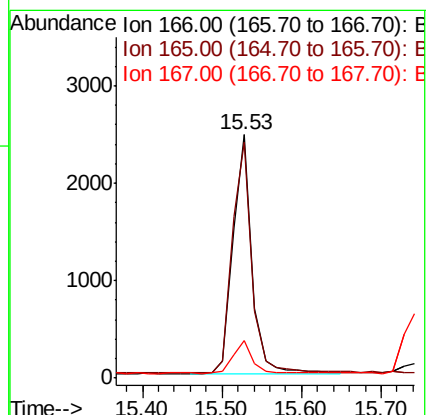
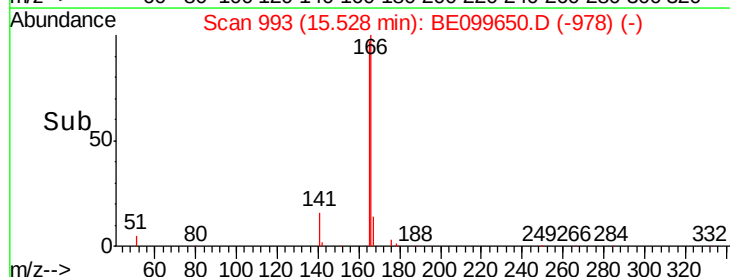
167 13.8 11.2 16.8

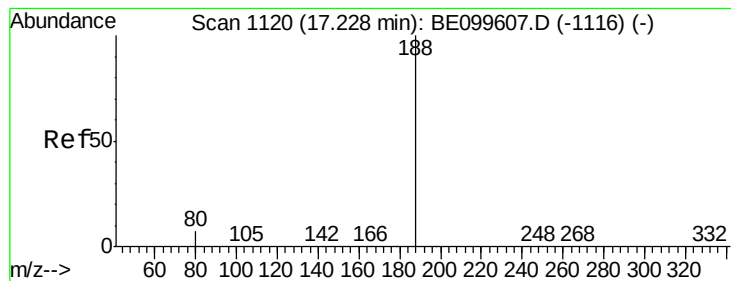


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

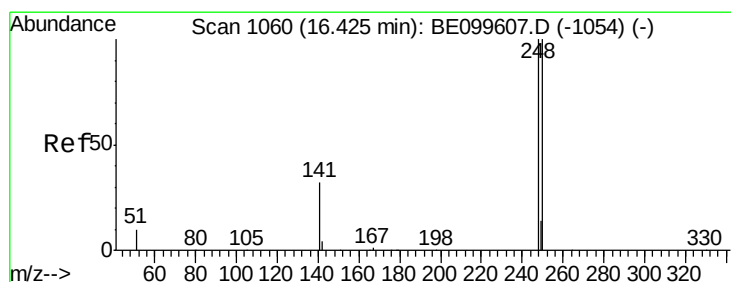
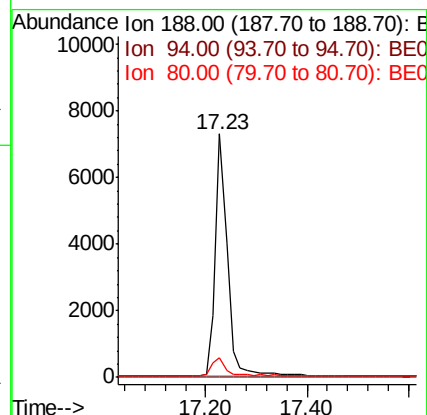
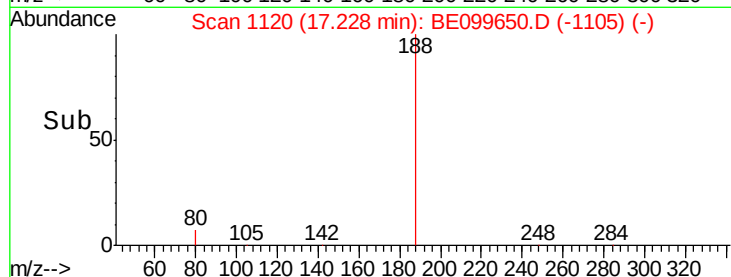
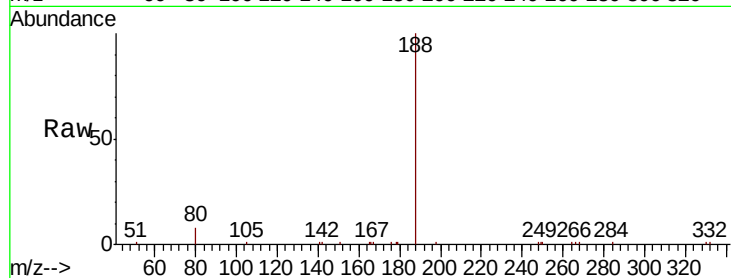
Tot Ion:188 Resp: 11869

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.2 6.4 9.6



#20

4-Bromophenyl-phenylether

Concen: 0.250 ng

RT: 16.42 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

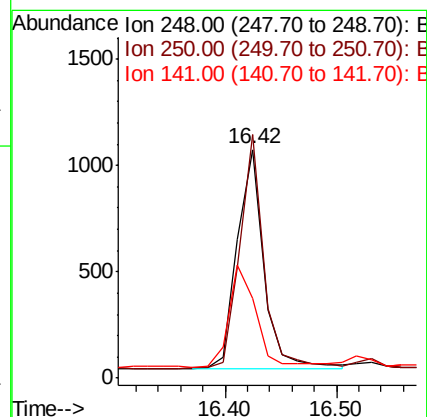
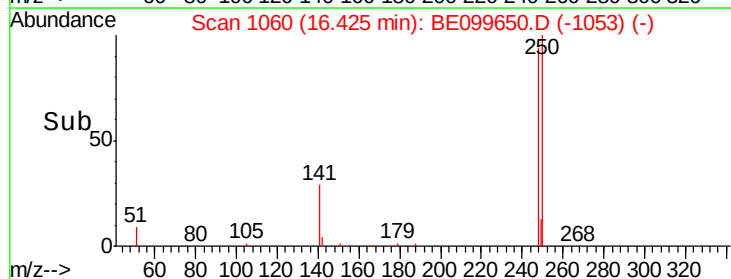
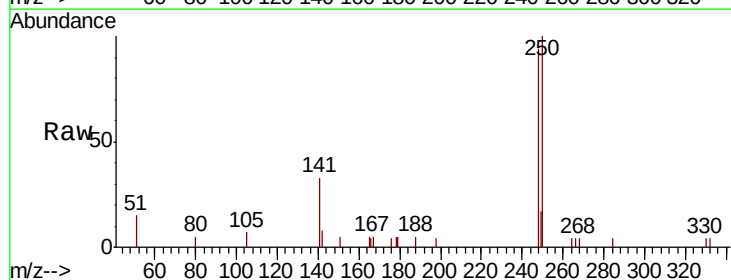
Tgt Ion:248 Resp: 1710

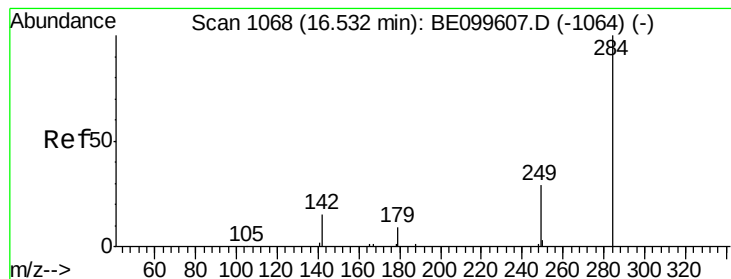
Ion Ratio Lower Upper

248 100

250 106.5 80.4 120.6

141 35.1 27.8 41.8





#21

Hexachlorobenzene

Concen: 0.255 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

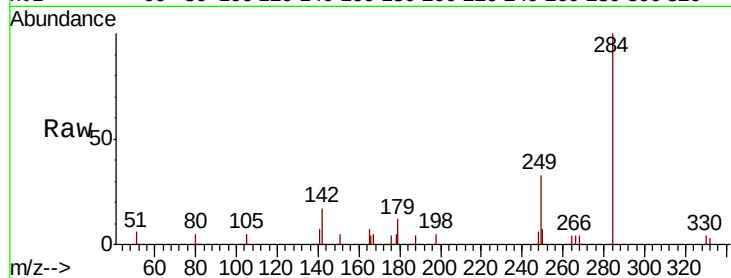
Tot Ion:284 Resp: 1715

Ion Ratio Lower Upper

284 100

142 24.5 19.4 29.2

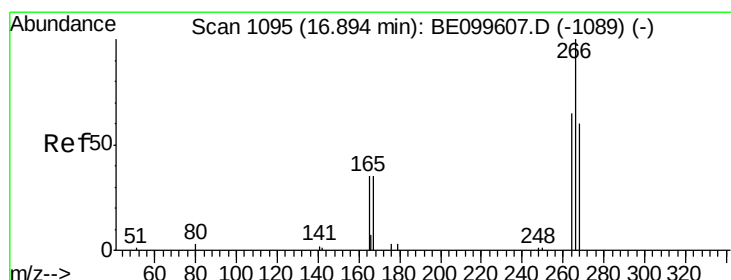
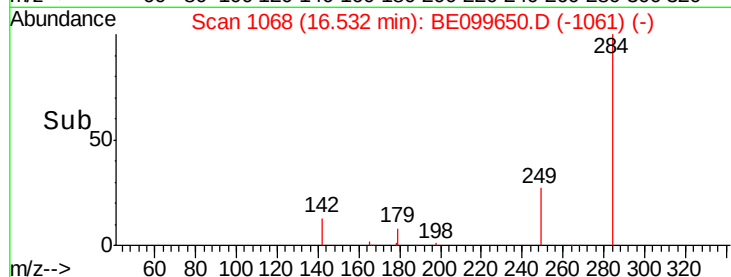
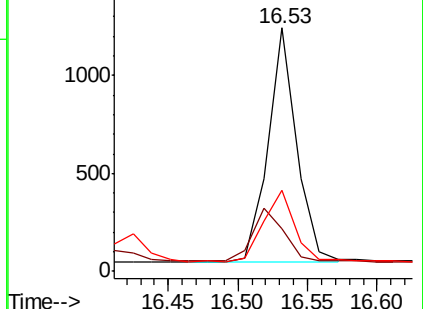
249 32.7 24.6 37.0



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: 0.478 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

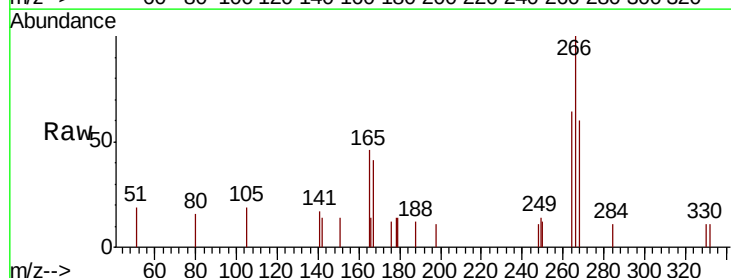
Tgt Ion:266 Resp: 794

Ion Ratio Lower Upper

266 100

264 64.3 57.7 86.5

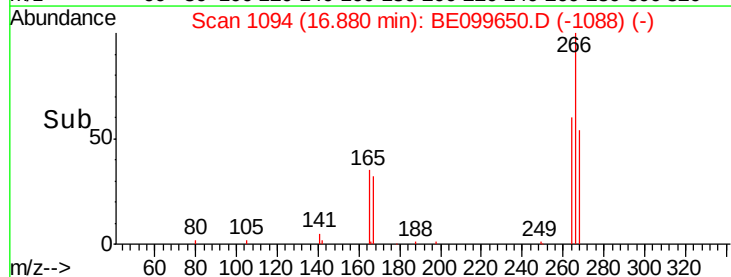
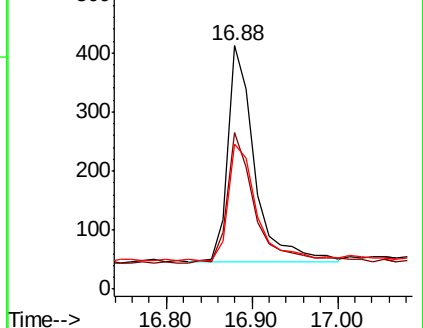
268 59.7 55.8 83.8

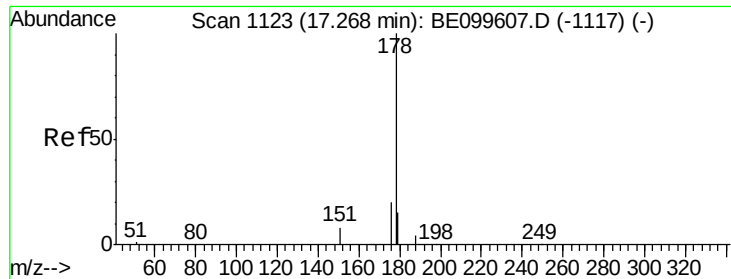


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.260 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

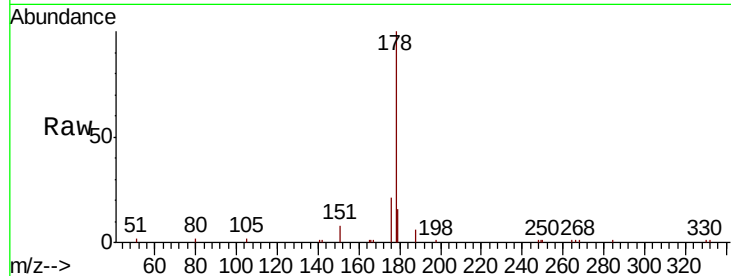
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 7650

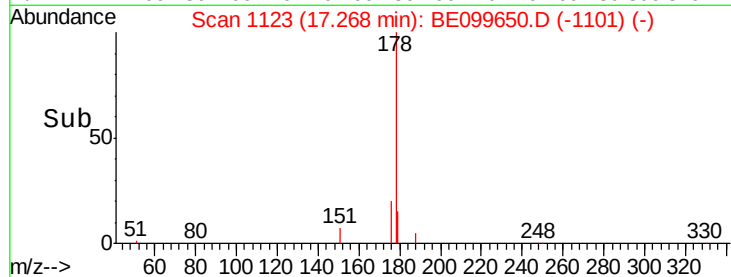
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.8	12.2	18.2



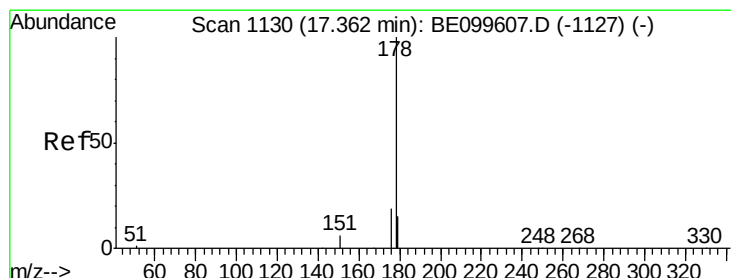
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.246 ng

RT: 17.36 min Scan# 1130

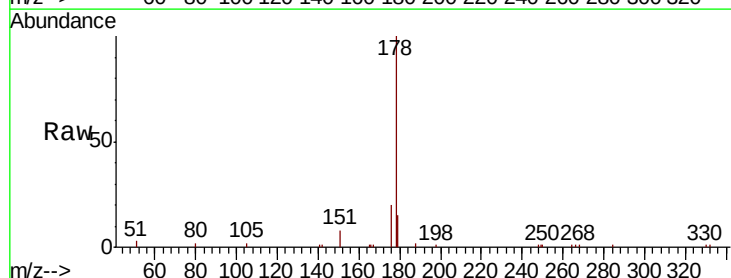
Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Tgt Ion:178 Resp: 6699

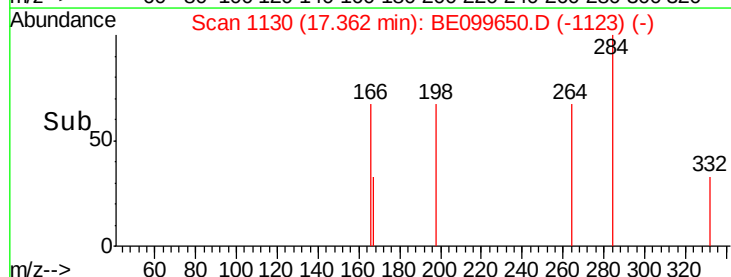
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.2	22.8
179	14.5	12.1	18.1



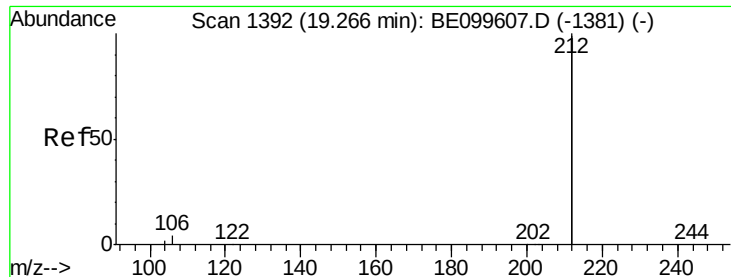
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.230 ng

RT: 19.26 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

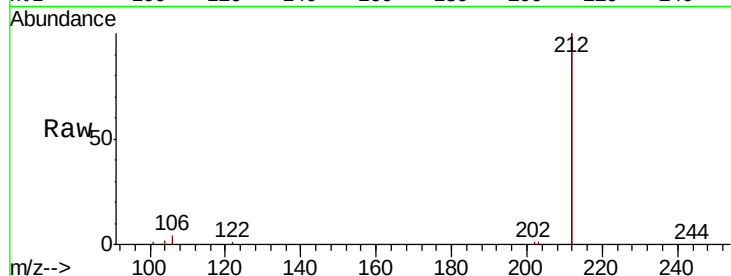
Tot Ion:212 Resp: 36251

Ion Ratio Lower Upper

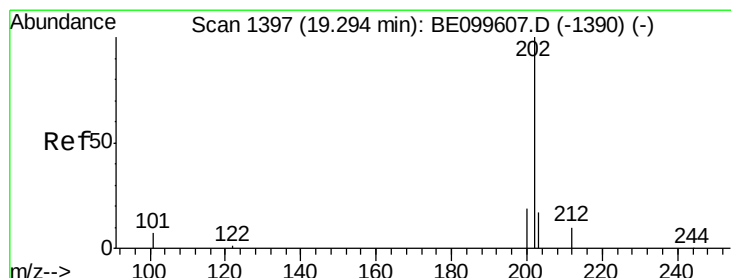
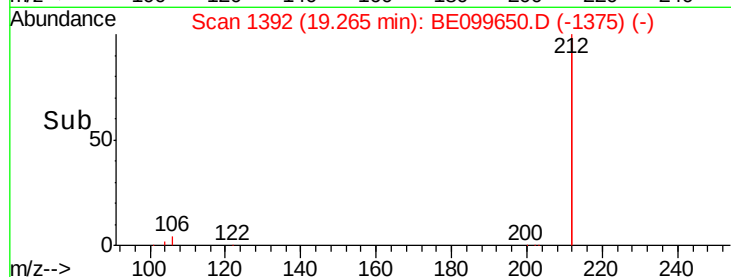
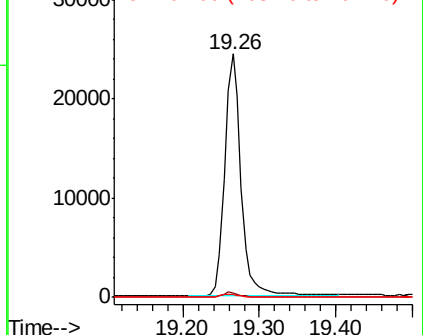
212 100

106 1.9 1.4 2.2

104 1.1 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: 0.263 ng

RT: 19.29 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

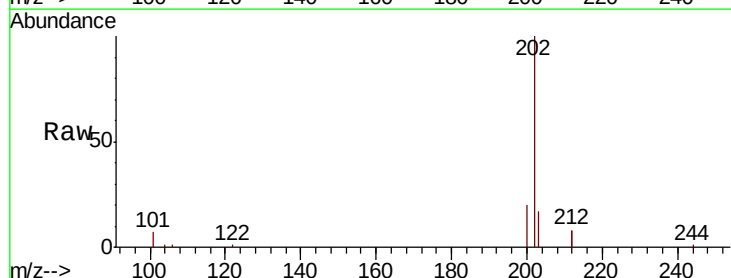
Tgt Ion:202 Resp: 11732

Ion Ratio Lower Upper

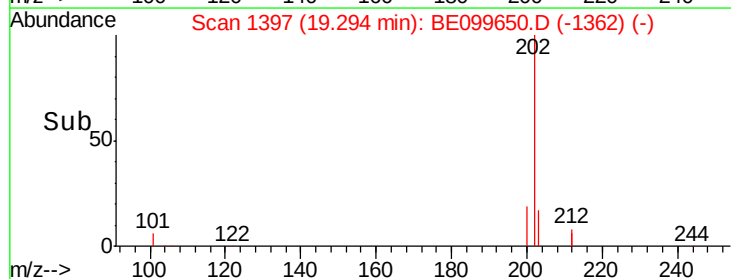
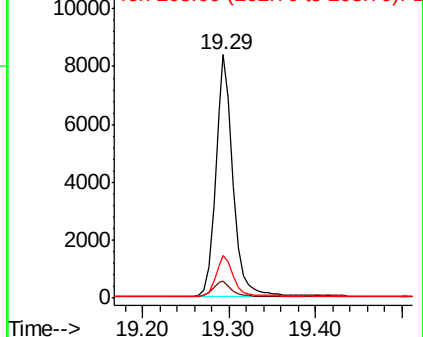
202 100

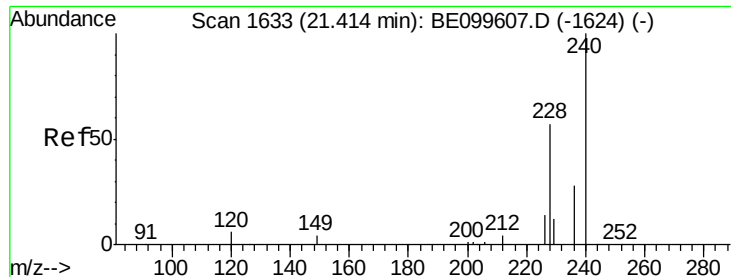
101 7.0 5.0 7.6

203 17.2 13.7 20.5



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

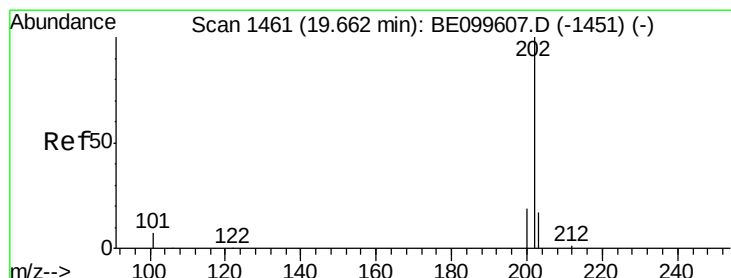
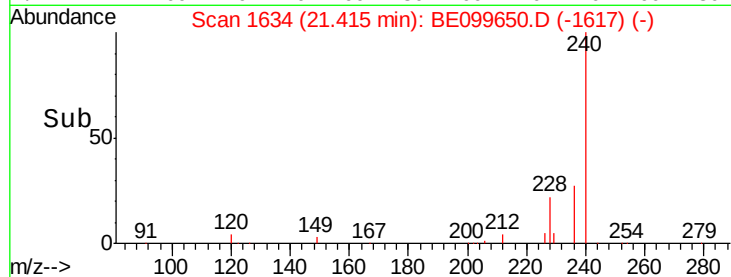
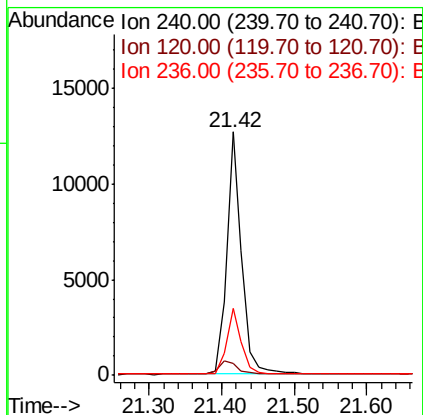
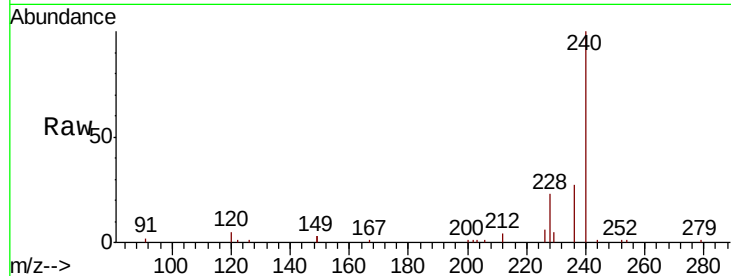




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.42 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099650.D
 Acq: 17 May 2019 13:50

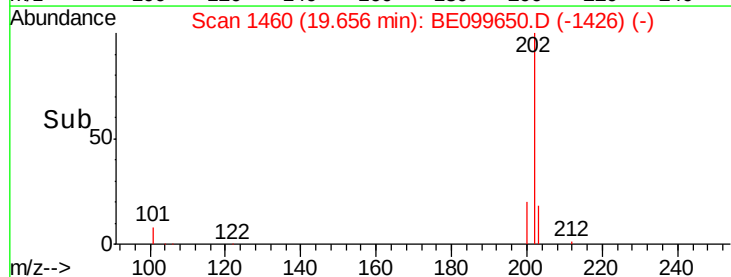
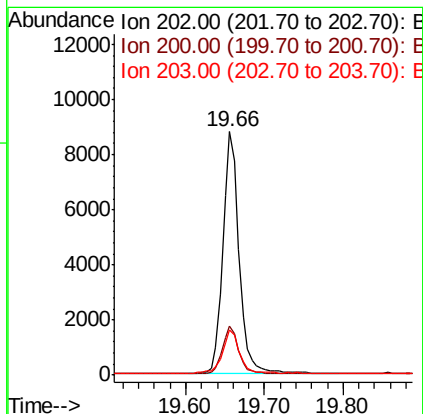
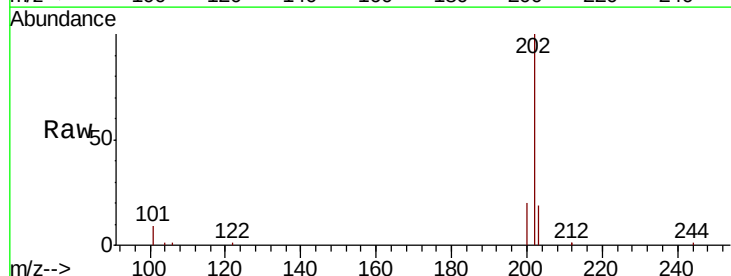
Instrument :
 BNA_E
 ClientSampleId :

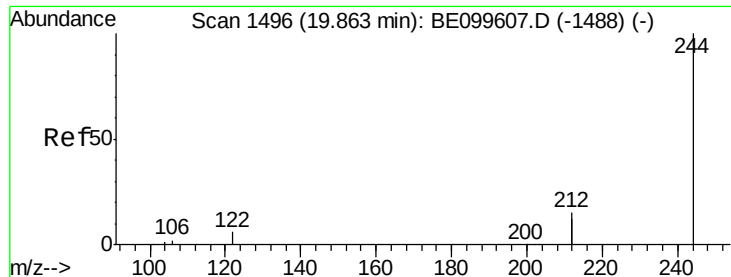
Tot Ion:240 Resp: 18423
 Ion Ratio Lower Upper
 240 100
 120 5.1 5.7 8.5#
 236 27.2 22.8 34.2



#28
 Pyrene
 Concen: 0.266 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099650.D
 Acq: 17 May 2019 13:50

Tgt Ion:202 Resp: 12512
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.8 23.6
 203 18.4 14.1 21.1





#29

Terphenyl-d14

Concen: 0.216 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

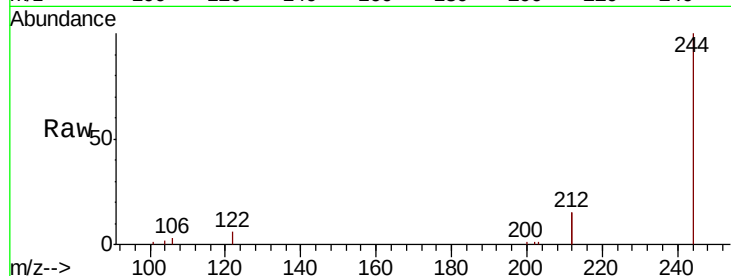
Tot Ion:244 Resp: 7166

Ion Ratio Lower Upper

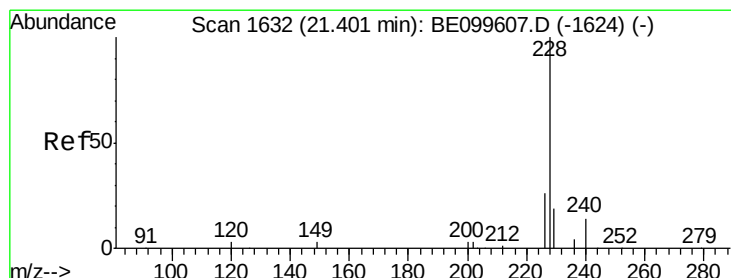
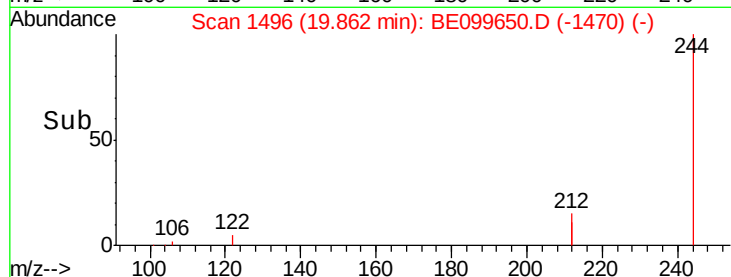
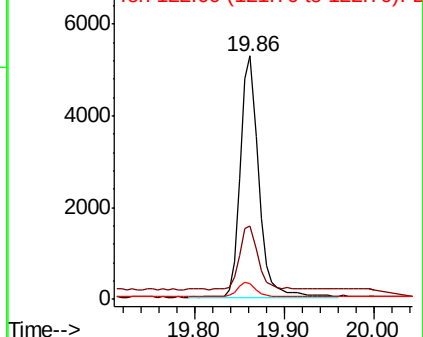
244 100

212 29.9 23.8 35.6

122 6.4 5.0 7.6



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: 0.274 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

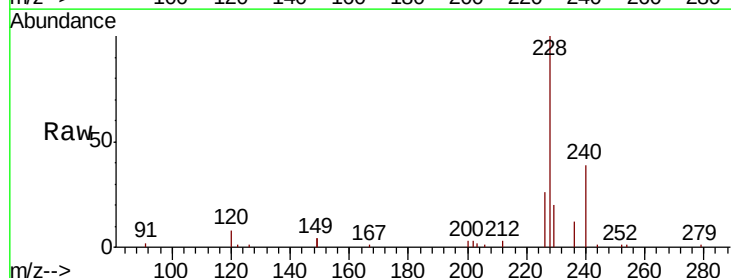
Tgt Ion:228 Resp: 15228

Ion Ratio Lower Upper

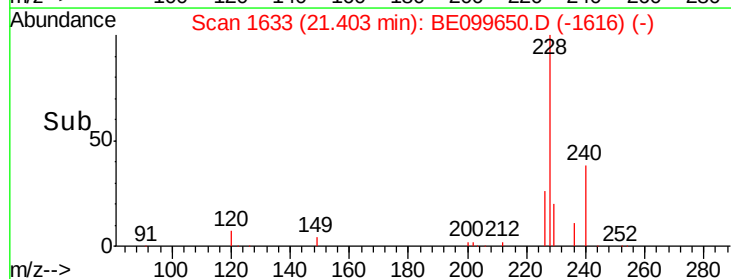
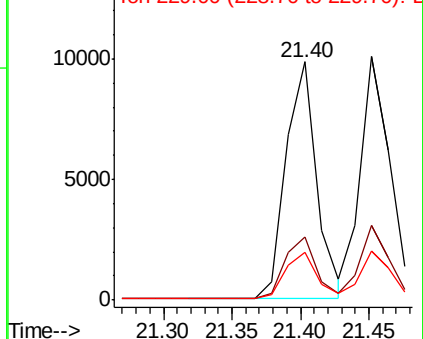
228 100

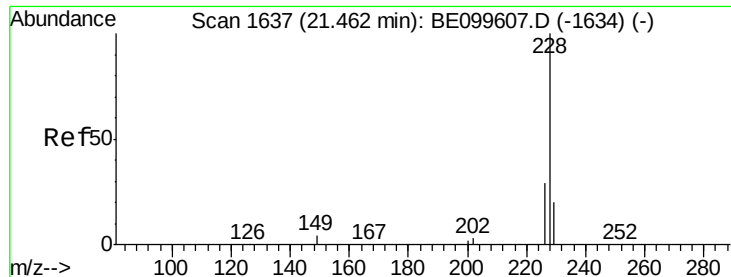
226 26.3 21.4 32.2

229 20.2 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: 0.266 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

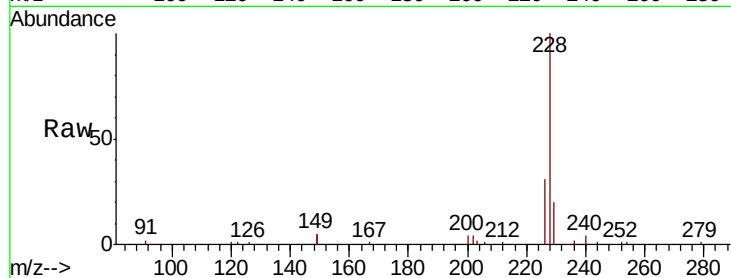
Tot Ion:228 Resp: 15248

Ion Ratio Lower Upper

228 100

226 30.6 23.0 34.4

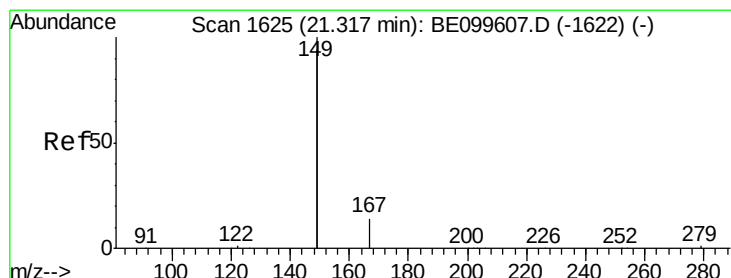
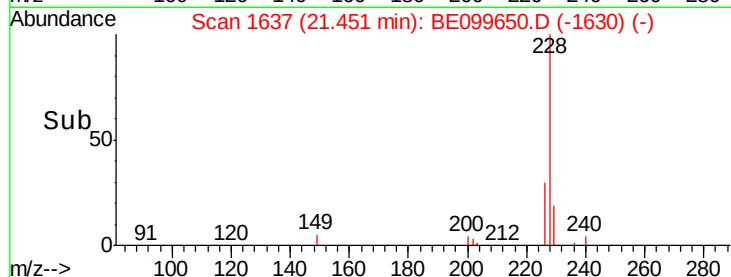
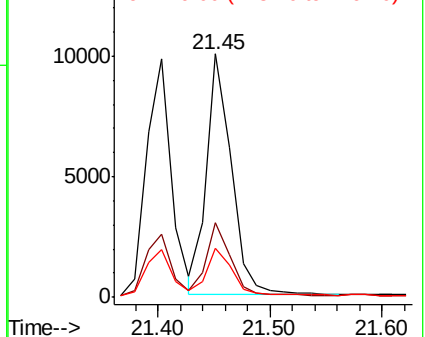
229 20.2 16.4 24.6



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: 0.321 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

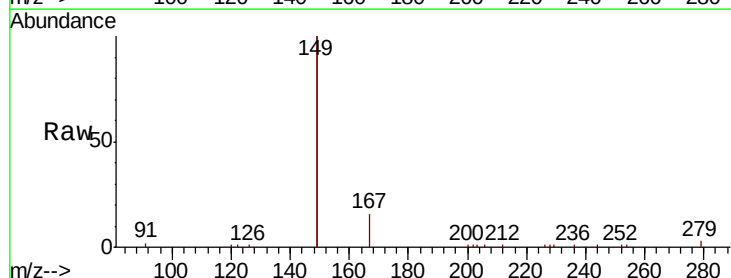
Tgt Ion:149 Resp: 27521

Ion Ratio Lower Upper

149 100

167 7.4 6.0 9.0

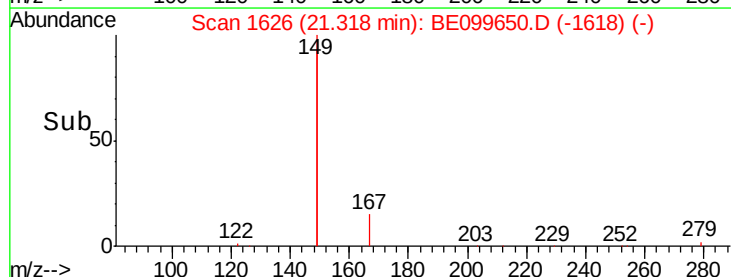
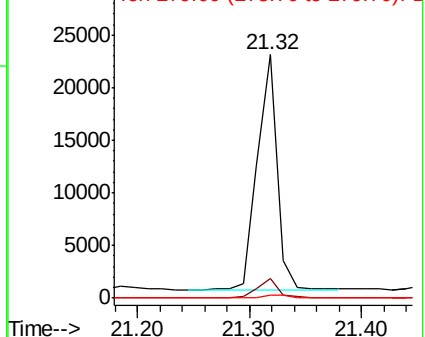
279 1.6 1.1 1.7

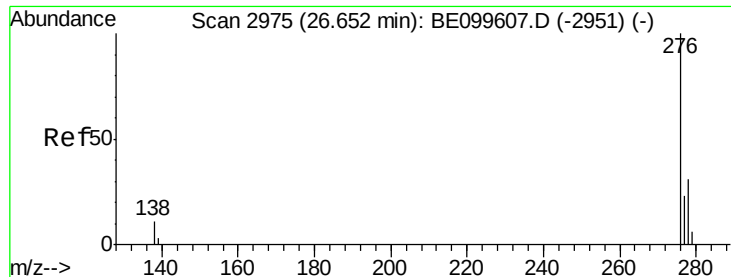


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

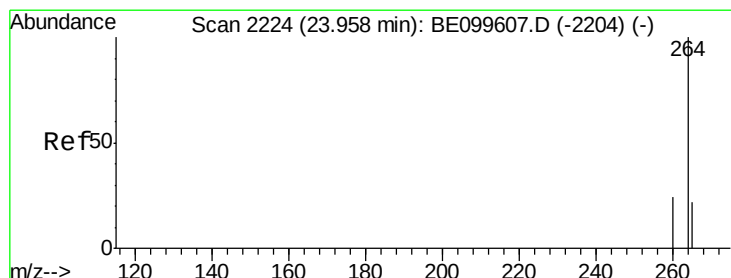
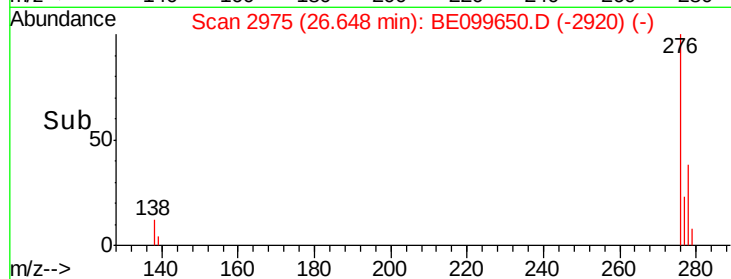
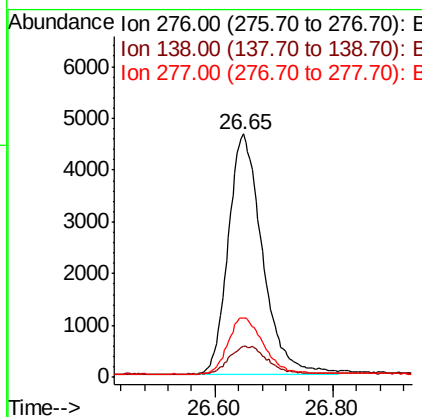
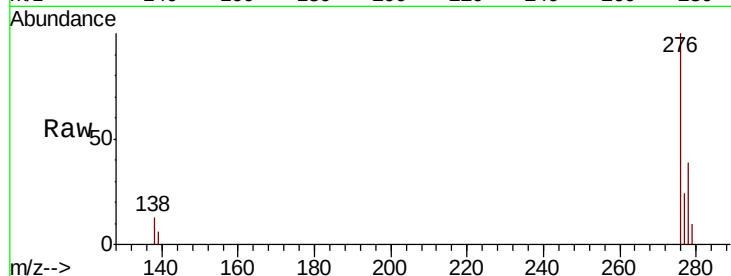




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.263 ng
 RT: 26.65 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BE099650.D
 Acq: 17 May 2019 13:50

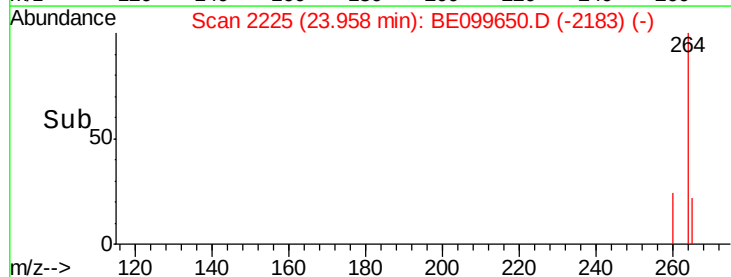
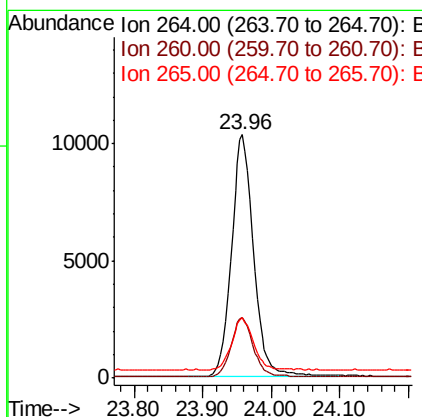
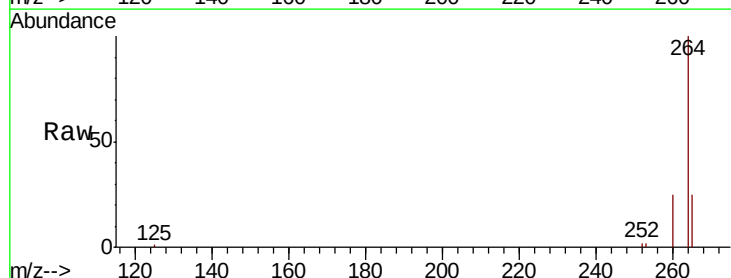
Instrument :
 BNA_E
 ClientSampleId :

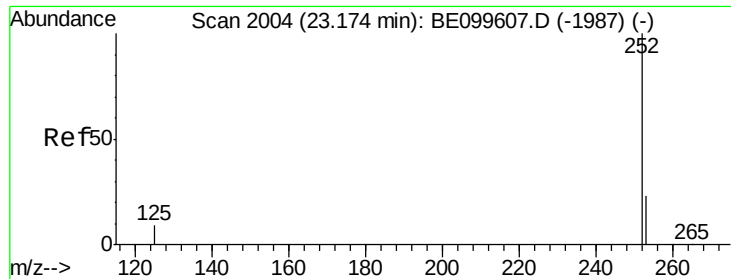
Tot Ion:276 Resp: 18744
 Ion Ratio Lower Upper
 276 100
 138 6.4 10.0 15.0#
 277 24.1 19.1 28.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE099650.D
 Acq: 17 May 2019 13:50

Tgt Ion:264 Resp: 23182
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.7 29.5
 265 24.9 21.2 31.8

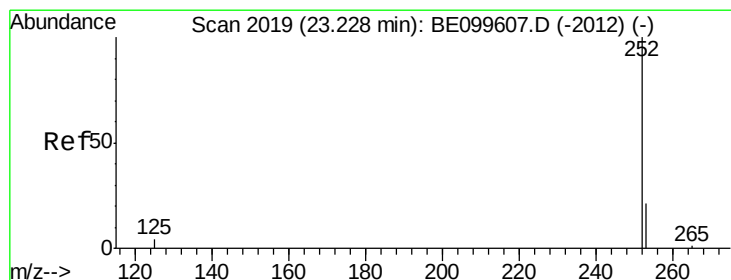
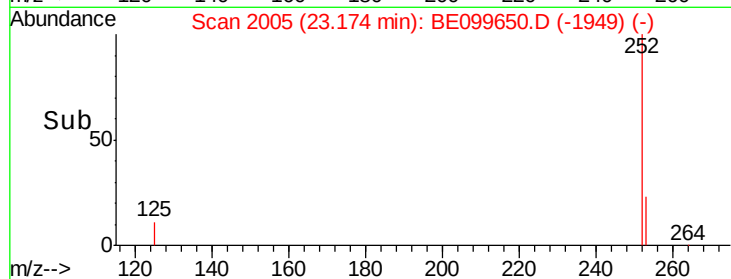
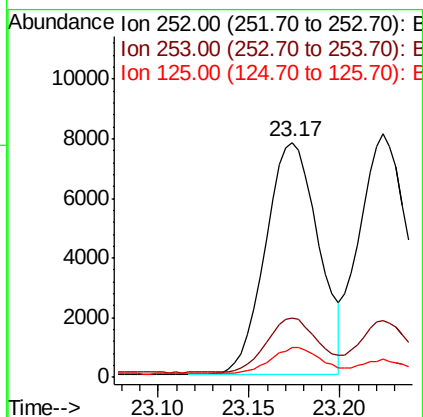
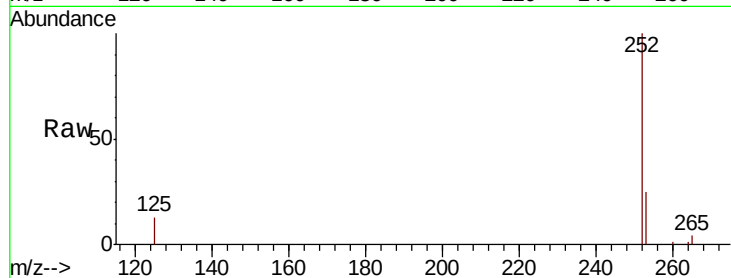




#35
Benzo(b)fluoranthene
Concen: 0.243 ng
RT: 23.17 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

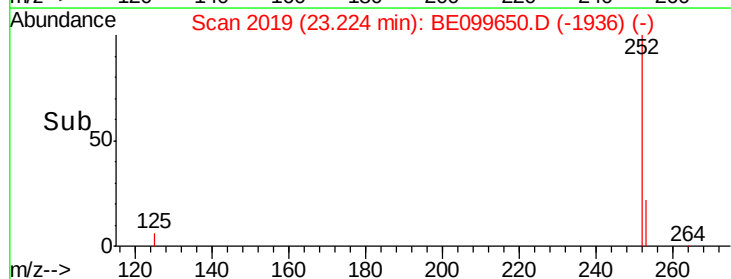
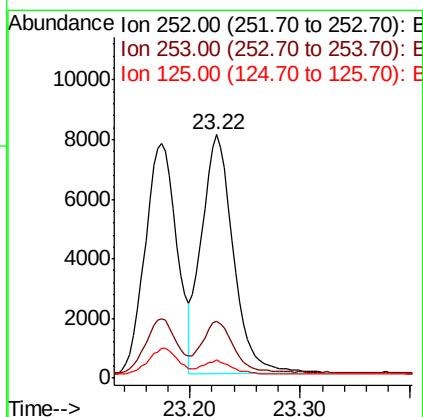
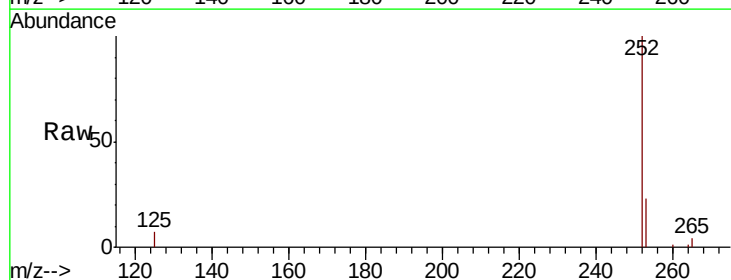
Instrument :
BNA_E
ClientSampleId :

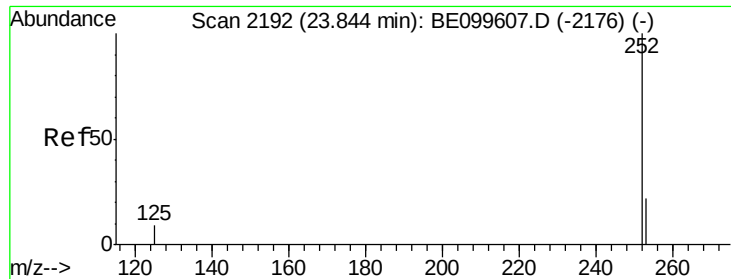
Tot Ion:252 Resp: 15737
Ion Ratio Lower Upper
252 100
253 25.3 19.1 28.7
125 13.0 7.8 11.8#



#36
Benzo(k)fluoranthene
Concen: 0.252 ng
RT: 23.22 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099650.D
Acq: 17 May 2019 13:50

Tgt Ion:252 Resp: 16142
Ion Ratio Lower Upper
252 100
253 23.5 18.6 28.0
125 7.3 5.2 7.8





#37

Benzo(a)pyrene

Concen: 0.251 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :

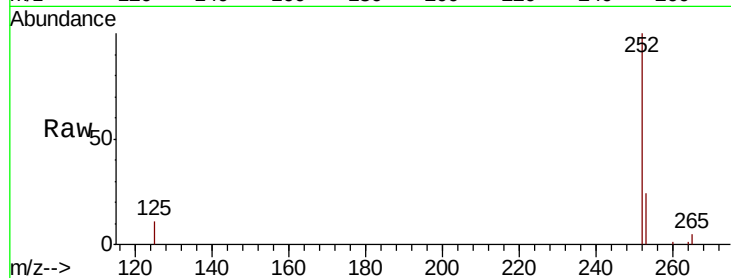
Tot Ion:252 Resp: 15728

Ion Ratio Lower Upper

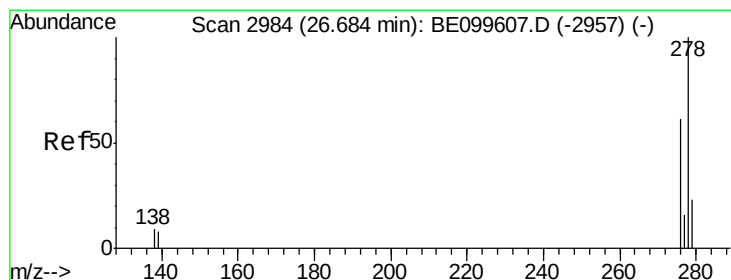
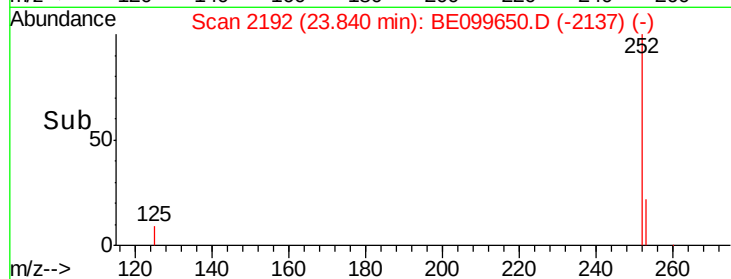
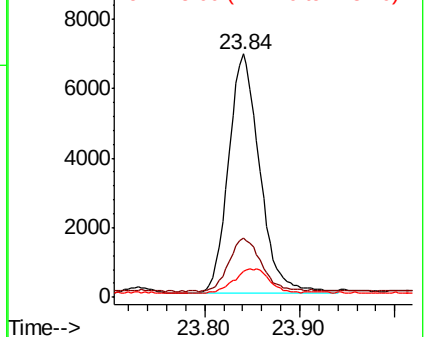
252 100

253 24.3 19.0 28.6

125 10.6 8.8 13.2



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: 0.236 ng

RT: 26.68 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BE099650.D

Acq: 17 May 2019 13:50

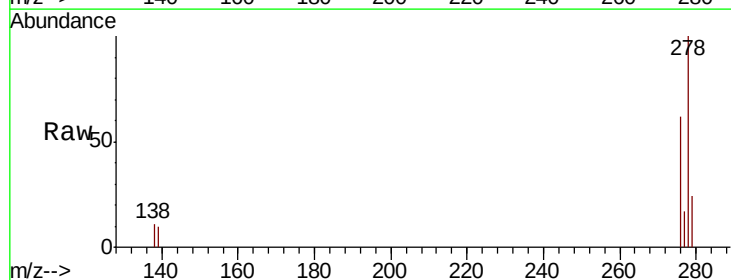
Tgt Ion:278 Resp: 15358

Ion Ratio Lower Upper

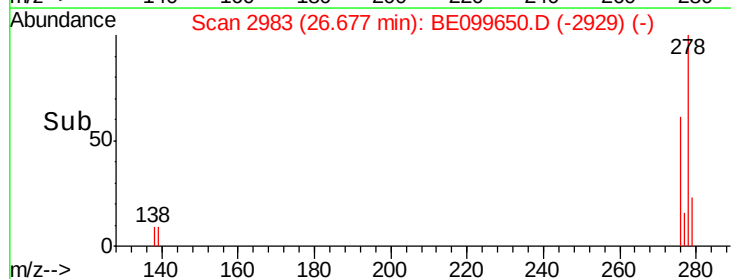
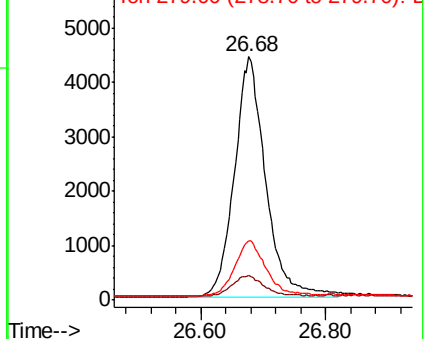
278 100

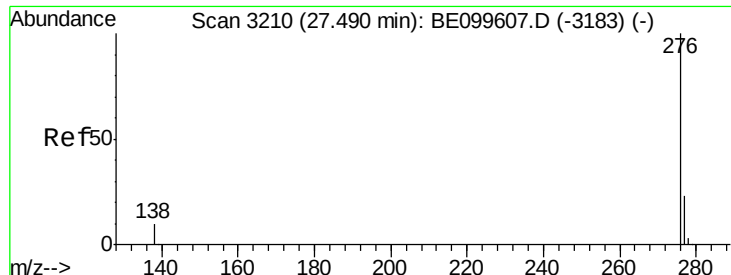
139 10.2 7.9 11.9

279 24.1 19.5 29.3



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: 0.246 ng

RT: 27.48 min Scan# 3208

Delta R.T. -0.01 min

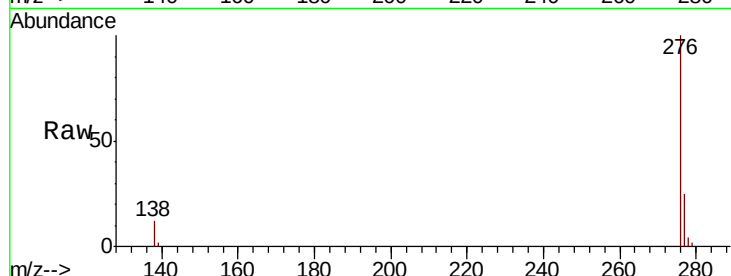
Lab File: BE099650.D

Acq: 17 May 2019 13:50

Instrument :

BNA_E

ClientSampleId :



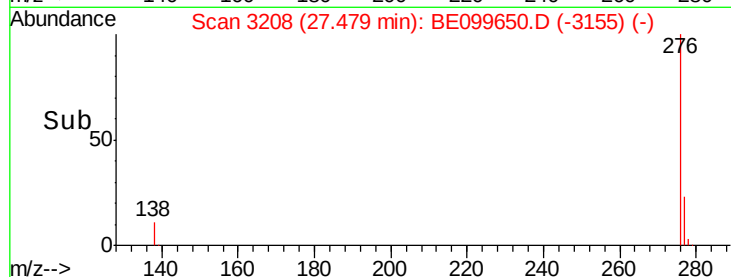
Tot Ion: 276 Resp: 16091

Ion Ratio Lower Upper

276 100

277 24.5 19.3 28.9

138 12.2 9.1 13.7



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

