

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111617\
 Data File : BE094819.D
 Acq On : 15 Nov 2017 17:48
 Operator : SJ/JU
 Sample : PB104239BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Nov 16 01:52:27 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 22:40:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	756	0.40	ng	0.01
7) Naphthalene-d8	10.72	136	3959	0.40	ng	0.02
13) Acenaphthene-d10	14.53	164	2072	0.40	ng	0.02
19) Phenanthrene-d10	17.27	188	5805	0.40	ng	0.03
27) Chrysene-d12	21.44	240	6640	0.40	ng	0.01
34) Perylene-d12	23.98	264	7472	0.40	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.60	112	786	0.30	ng	0.07
5) Phenol-d6	7.20	99	1364	0.35	ng	0.06
8) Nitrobenzene-d5	9.14	82	1097	0.35	ng	0.07
11) 2-Methylnaphthalene-d10	12.32	152	2960	0.47	ng	0.03
14) 2,4,6-Tribromophenol	16.06	330	248	0.43	ng	0.03
15) 2-Fluorobiphenyl	13.18	172	2976	0.41	ng	0.03
25) Fluoranthene-d10	19.30	212	24786	0.33	ng	0.02
29) Terphenyl-d14	19.87	244	4203	0.34	ng	0.00

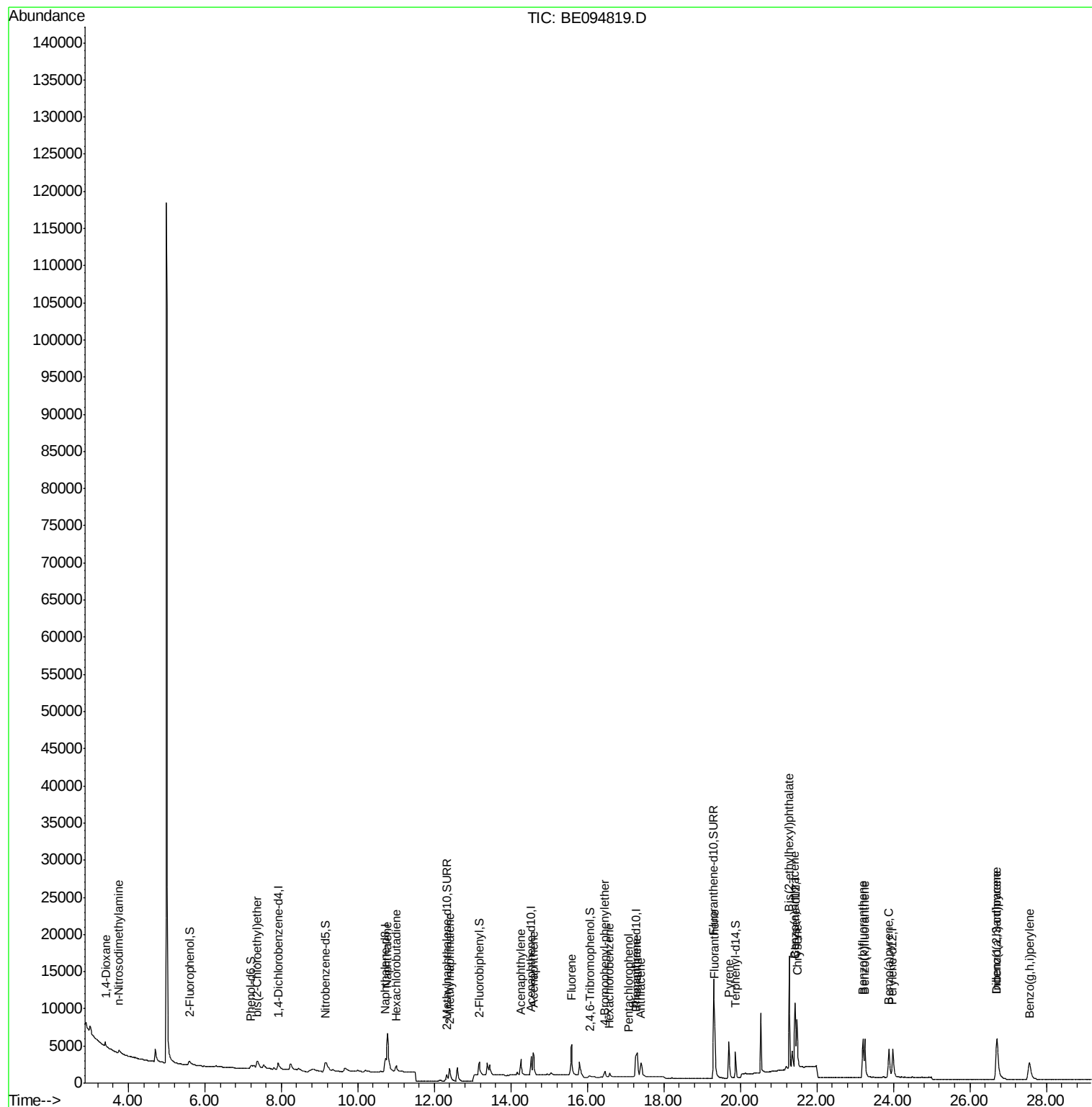
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	465	0.36	ng	# 1
3) n-Nitrosodimethylamine	3.75	42	532	0.43	ng	# 92
6) bis(2-Chloroethyl)ether	7.38	93	875	0.29	ng	83
9) Naphthalene	10.77	128	14751	0.33	ng	98
10) Hexachlorobutadiene	11.01	225	603	0.37	ng	98
12) 2-Methylnaphthalene	12.40	142	2469	0.32	ng	99
16) Acenaphthylene	14.26	152	3725	0.34	ng	98
17) Acenaphthene	14.58	154	2469	0.35	ng	98
18) Fluorene	15.59	166	3089	0.34	ng	98
20) 4-Bromophenyl-phenylether	16.45	248	784	0.25	ng	# 76
21) Hexachlorobenzene	16.58	284	815	0.29	ng	92
22) Pentachlorophenol	17.07	266	145	0.41	ng	94
23) Phenanthrene	17.30	178	5570	0.35	ng	99
24) Anthracene	17.40	178	5308	0.31	ng	97
26) Fluoranthene	19.33	202	6602	0.28	ng	98
28) Pyrene	19.70	202	6920	0.30	ng	100
30) Benzo(a)anthracene	21.43	228	7481	0.35	ng	# 62
31) Chrysene	21.48	228	8374	0.38	ng	# 64
32) Bis(2-ethylhexyl)phthalate	21.28	149	18406	0.35	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	9358	0.46	ng	97
35) Benzo(b)fluoranthene	23.20	252	8474	0.35	ng	# 41
36) Benzo(k)fluoranthene	23.25	252	9249	0.36	ng	# 41
37) Benzo(a)pyrene	23.88	252	8814	0.38	ng	# 35
38) Dibenzo(a,h)anthracene	26.70	278	7962	0.38	ng	# 46
39) Benzo(g,h,i)perylene	27.55	276	7988	0.41	ng	# 55

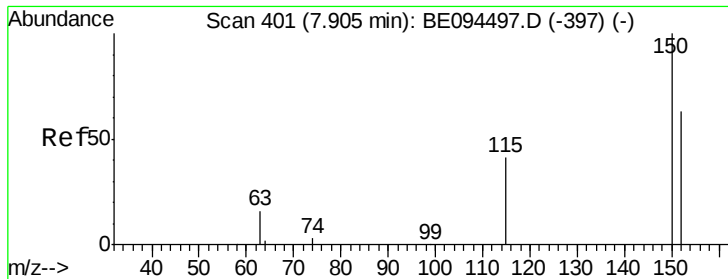
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111617\
Data File : BE094819.D
Acq On : 15 Nov 2017 17:48
Operator : SJ/JU
Sample : PB104239BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Nov 16 01:52:27 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 22:40:47 2017
Response via : Initial Calibration



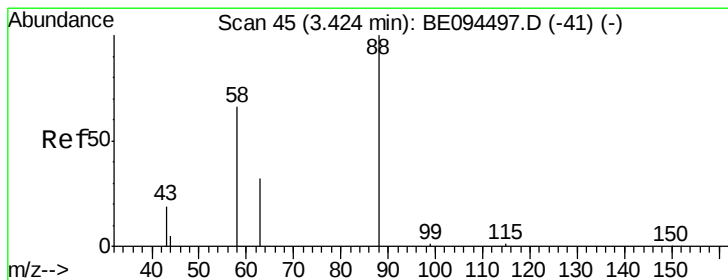
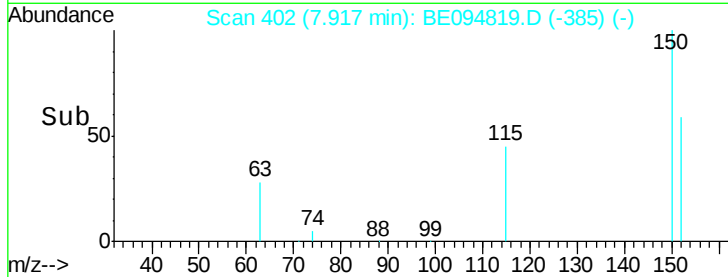
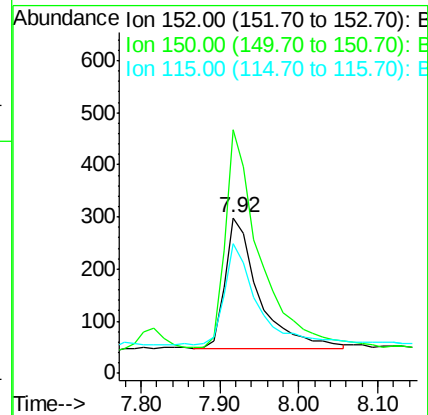
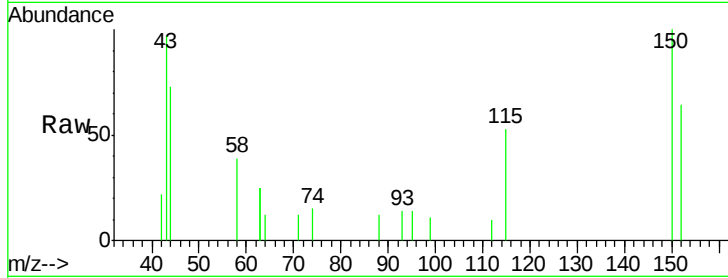


#1

1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.92 min Scan# 402
Delta R.T. 0.01 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Instrument :
BNA_E
ClientSampleId :

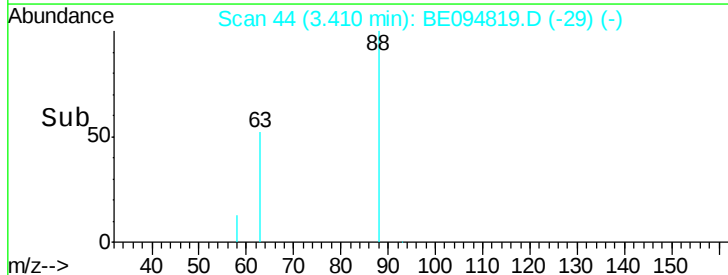
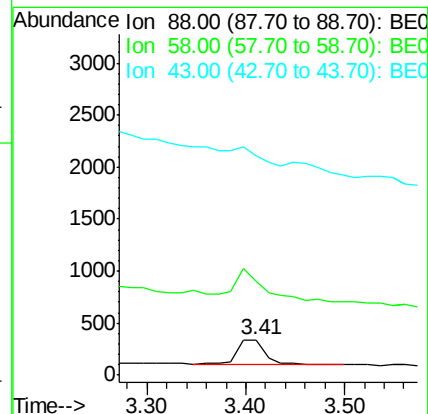
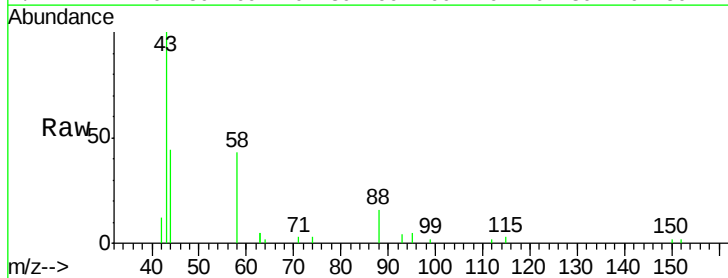
Tot Ion:152 Resp: 756
Ion Ratio Lower Upper
152 100
150 156.2 117.2 175.8
115 83.3 57.0 85.6

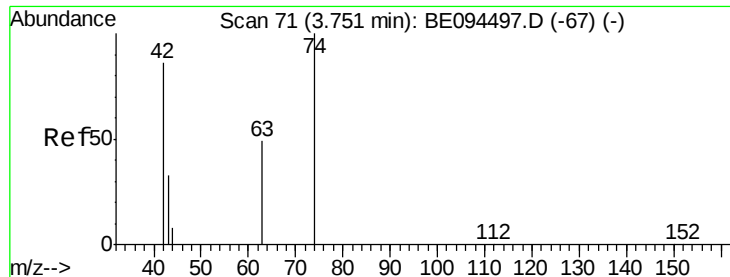


#2

1,4-Dioxane
Concen: 0.36 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Tgt Ion: 88 Resp: 465
Ion Ratio Lower Upper
88 100
58 239.4 63.2 94.8#
43 0.0 41.2 61.8#



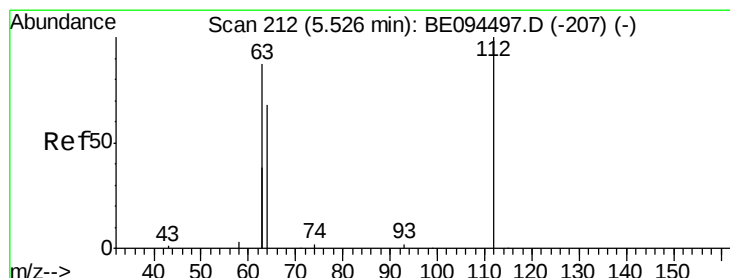
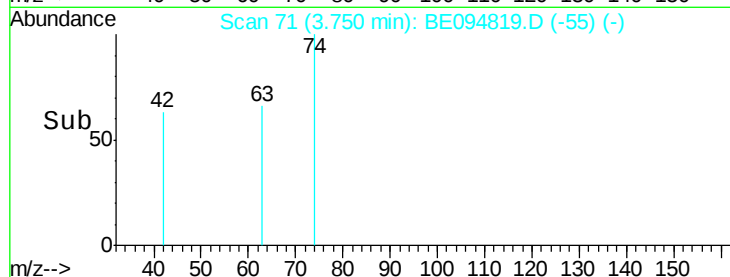
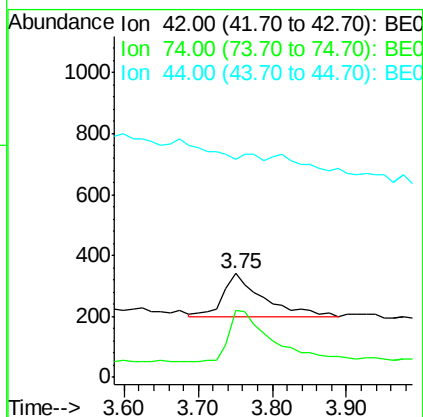
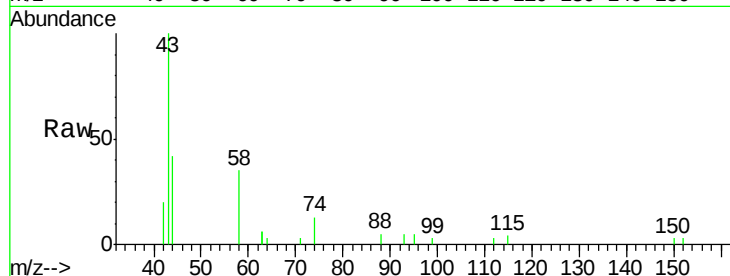


#3

n-Nitrosodimethylamine
Concen: 0.43 ng
RT: 3.75 min Scan# 71
Delta R.T. -0.00 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Instrument :
BNA_E
ClientSampleId :

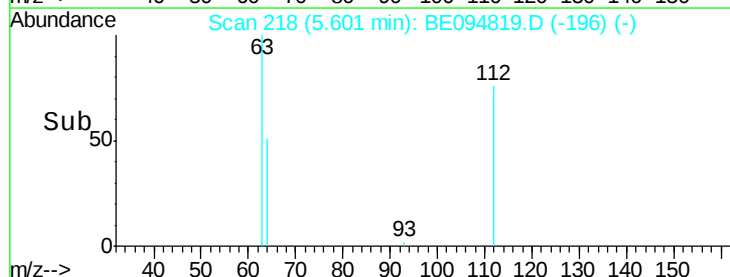
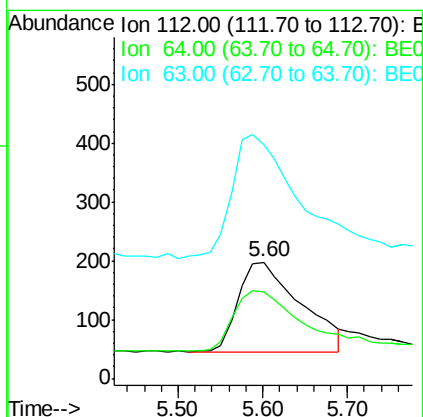
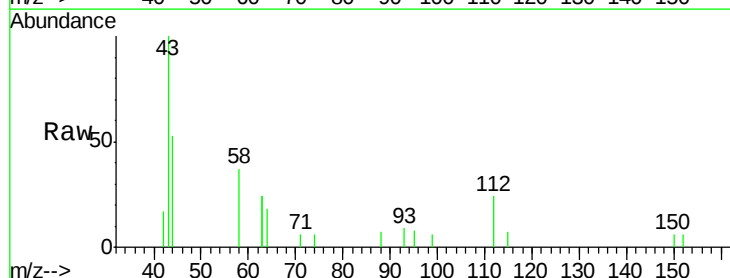
Tot Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
74 126.9 100.3 150.5
44 0.0 17.0 25.4#

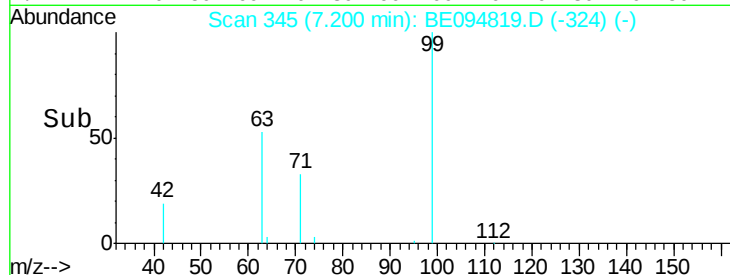
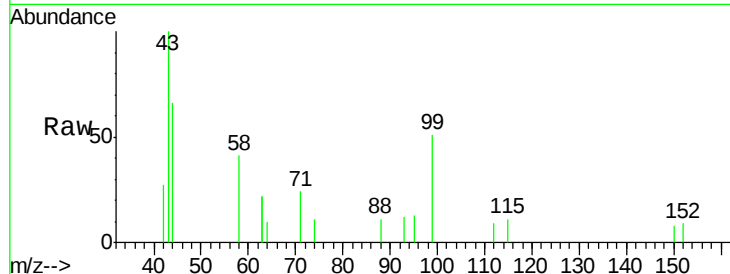
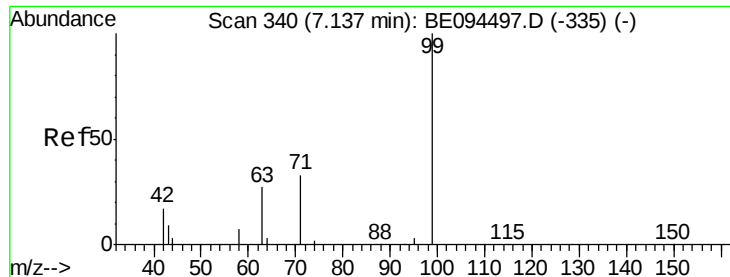


#4

2-Fluorophenol
Concen: 0.30 ng
RT: 5.60 min Scan# 218
Delta R.T. 0.07 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Tgt Ion: 112 Resp: 786
Ion Ratio Lower Upper
112 100
64 70.4 60.1 90.1
63 141.1 116.8 175.2





#5

Phenol-d6

Concen: 0.35 ng

RT: 7.20 min Scan# 345

Delta R.T. 0.06 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampled :

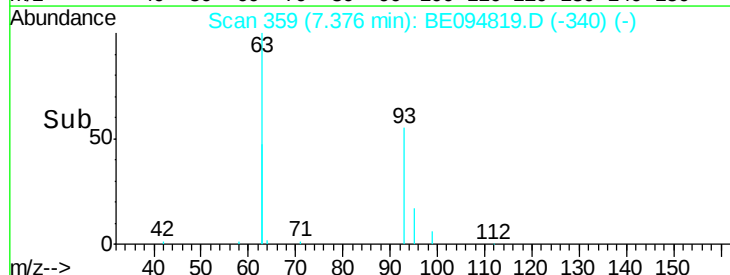
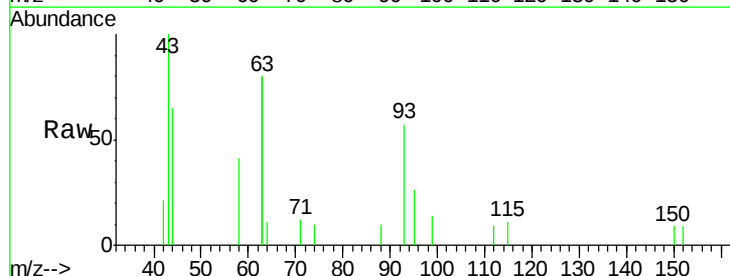
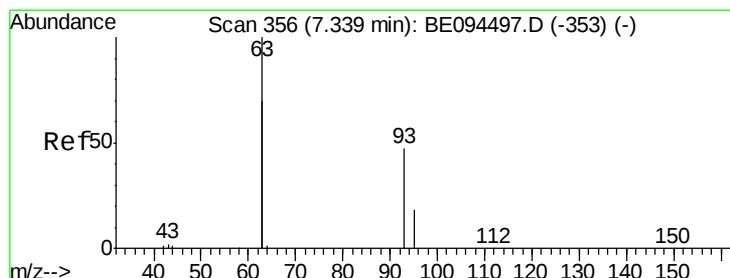
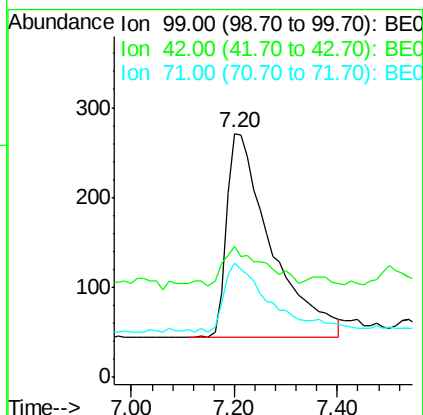
Tot Ion: 99 Resp: 1364

Ion Ratio Lower Upper

99 100

42 18.0 20.2 30.2#

71 34.3 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.29 ng

RT: 7.38 min Scan# 359

Delta R.T. 0.04 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

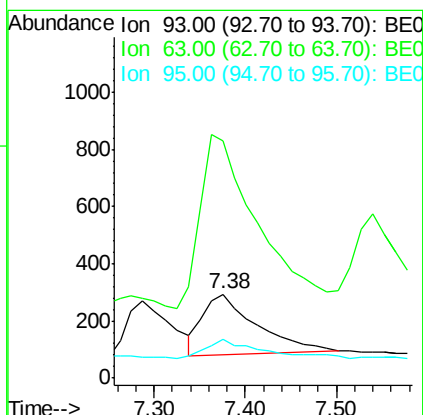
Tgt Ion: 93 Resp: 875

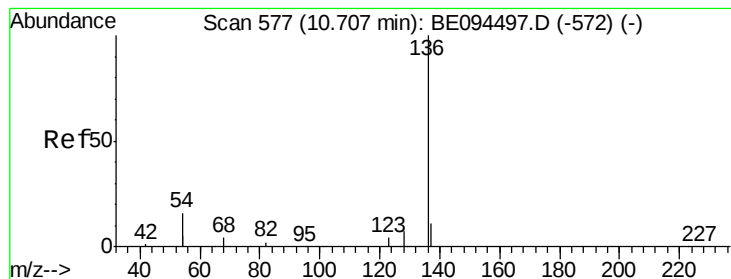
Ion Ratio Lower Upper

93 100

63 304.6 275.3 412.9

95 31.1 25.2 37.8





#7

Naphthalene-d8

Concen: 0.40 ng

RT: 10.72 min Scan# 578

Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3959

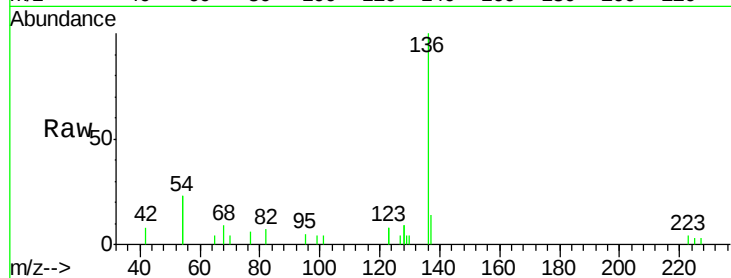
Ion Ratio Lower Upper

136 100

137 14.1 9.5 14.3

54 45.6 29.1 43.7#

68 9.4 6.2 9.2#

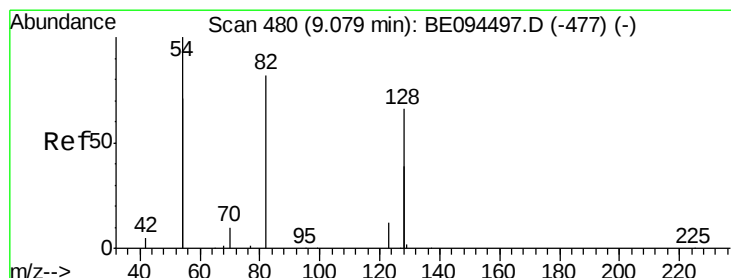
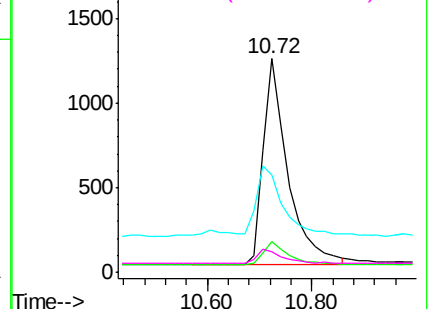
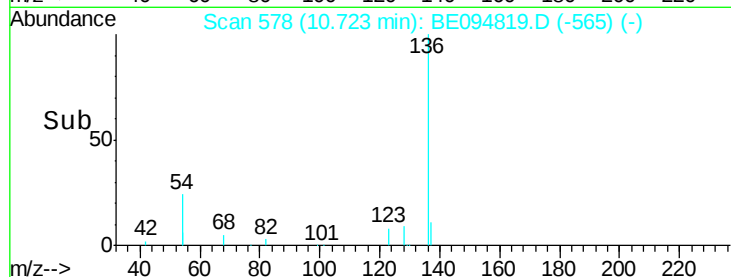


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.35 ng

RT: 9.14 min Scan# 484

Delta R.T. 0.07 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

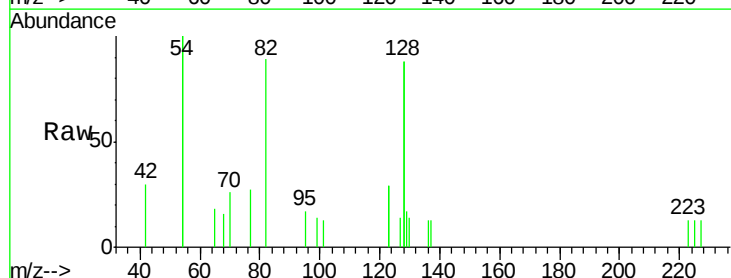
Tgt Ion: 82 Resp: 1097

Ion Ratio Lower Upper

82 100

128 198.1 150.0 225.0

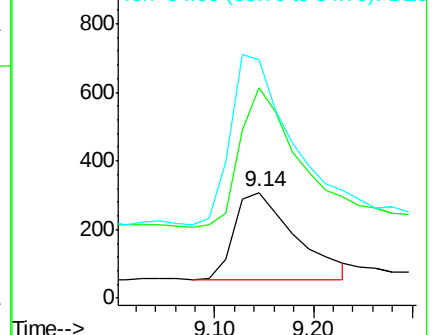
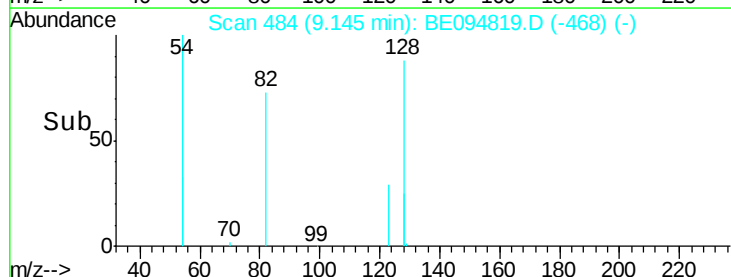
54 224.6 154.2 231.4

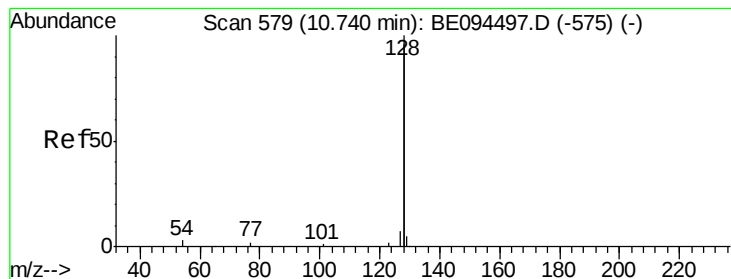


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.33 ng

RT: 10.77 min Scan# 581

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

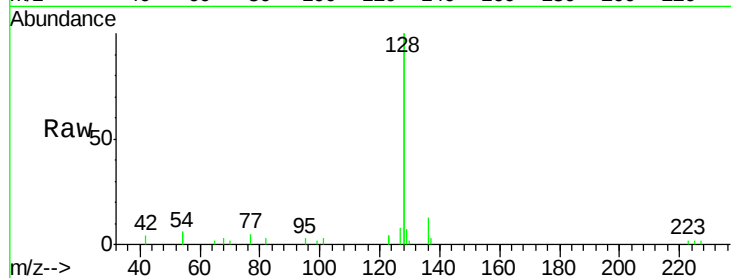
Tot Ion:128 Resp: 14751

Ion Ratio Lower Upper

128 100

129 3.7 2.6 3.8

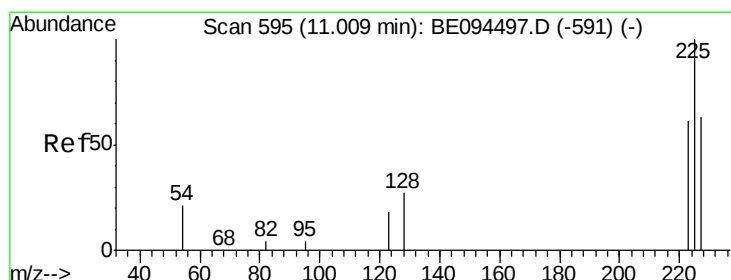
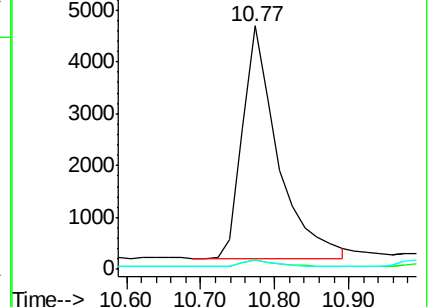
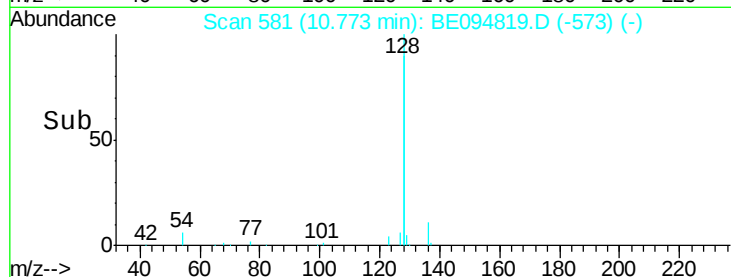
127 4.0 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.37 ng

RT: 11.01 min Scan# 595

Delta R.T. -0.00 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

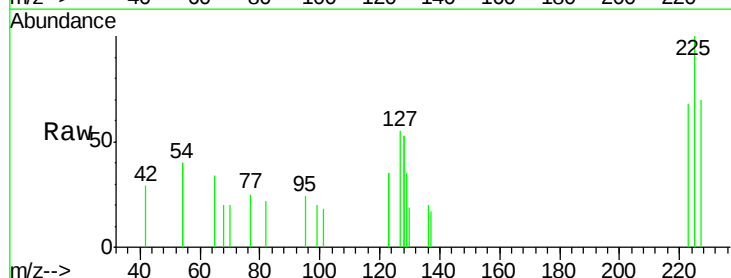
Tgt Ion:225 Resp: 603

Ion Ratio Lower Upper

225 100

223 63.8 53.0 79.6

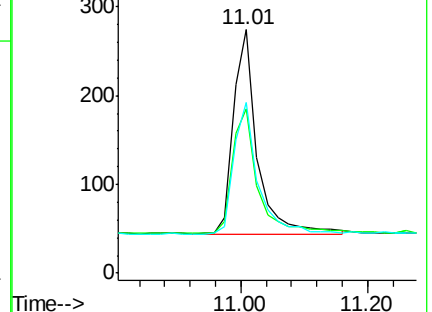
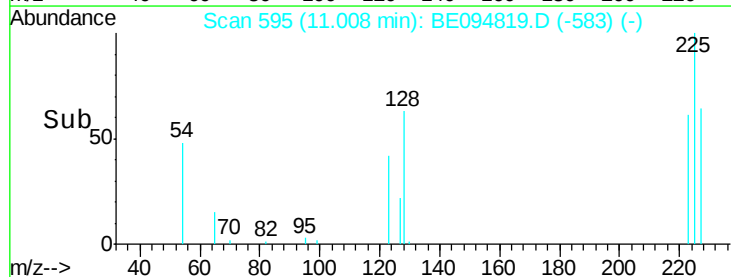
227 65.7 51.4 77.2

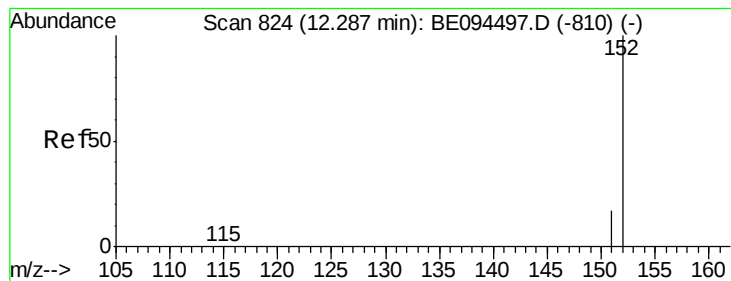


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.47 ng

RT: 12.32 min Scan# 832

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

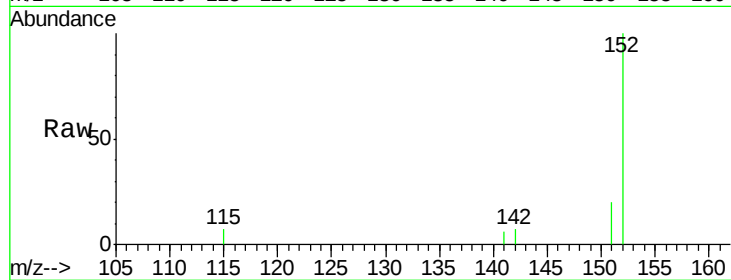
ClientSampleId :

Tot Ion:152 Resp: 2960

Ion Ratio Lower Upper

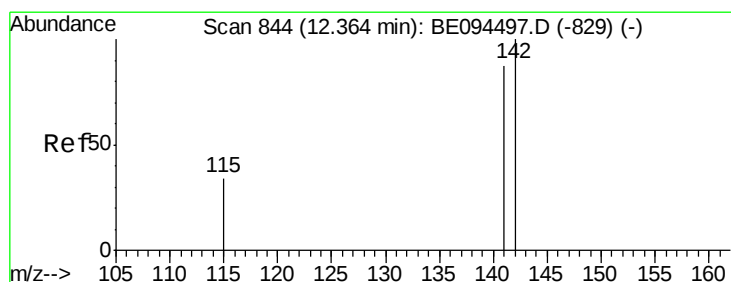
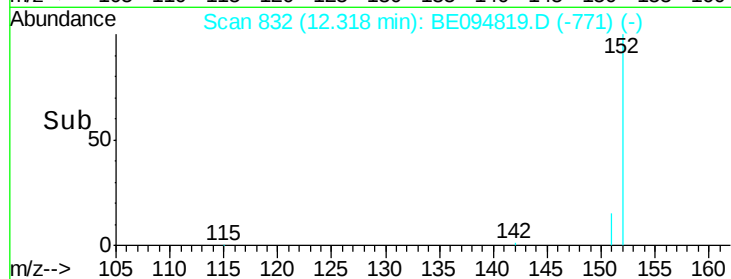
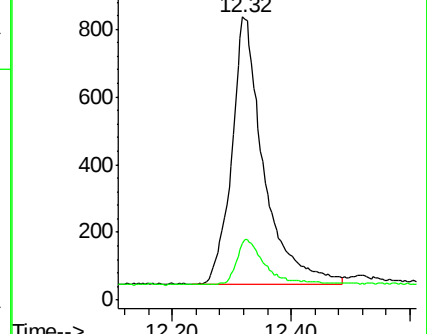
152 100

151 14.5 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.32 ng

RT: 12.40 min Scan# 853

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

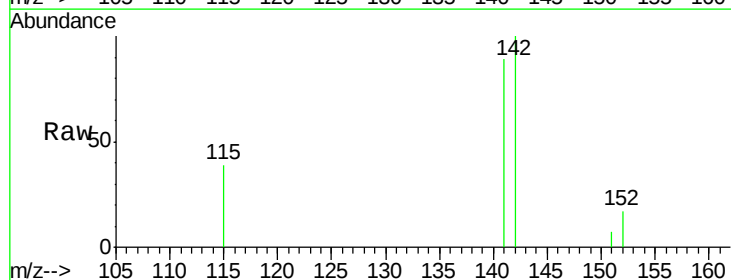
Tgt Ion:142 Resp: 2469

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

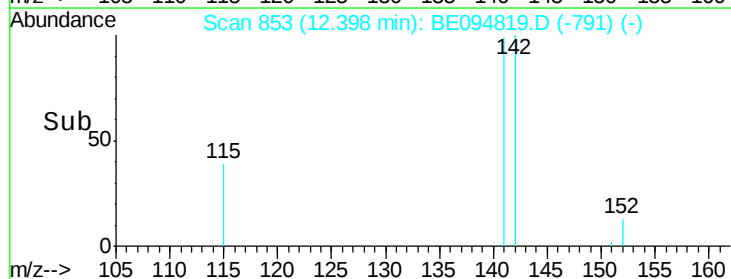
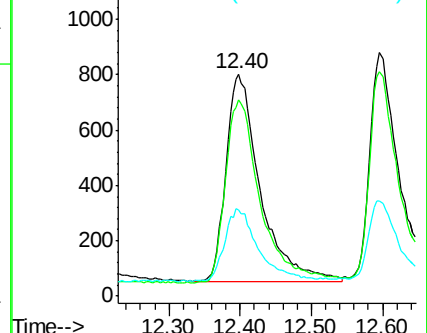
115 39.0 31.7 47.5

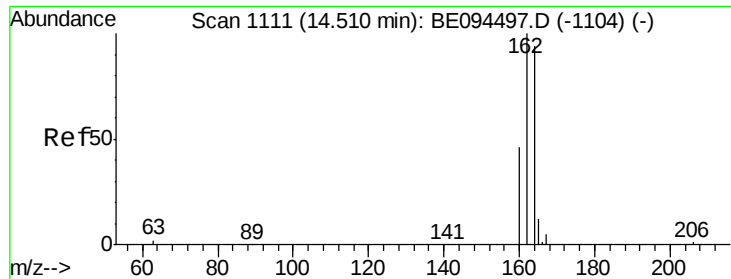


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

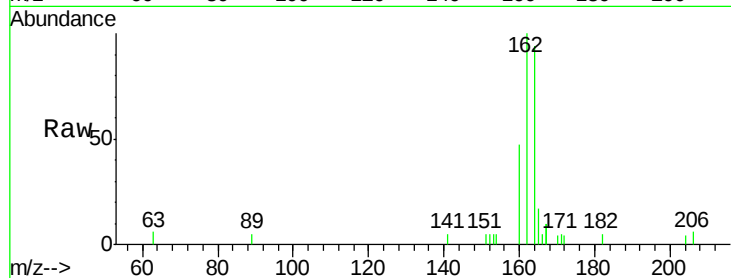




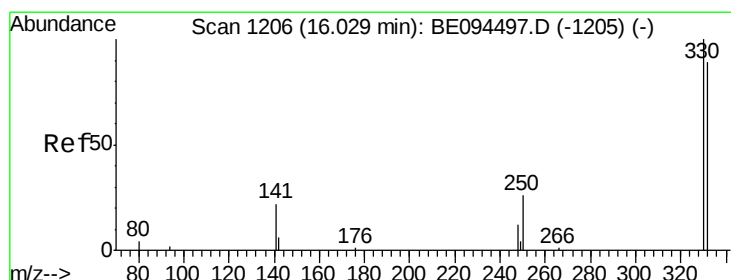
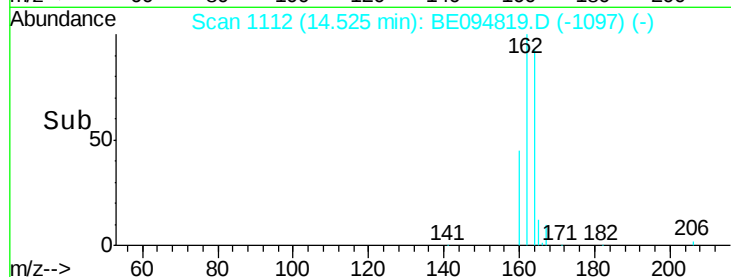
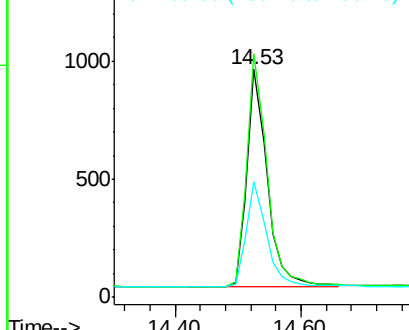
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.02 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2072
Ion Ratio Lower Upper
164 100
162 107.0 83.1 124.7
160 50.5 37.1 55.7

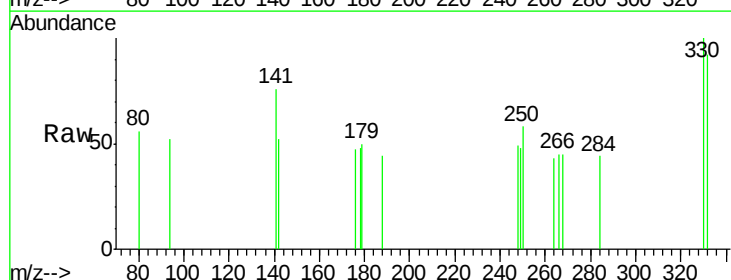


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

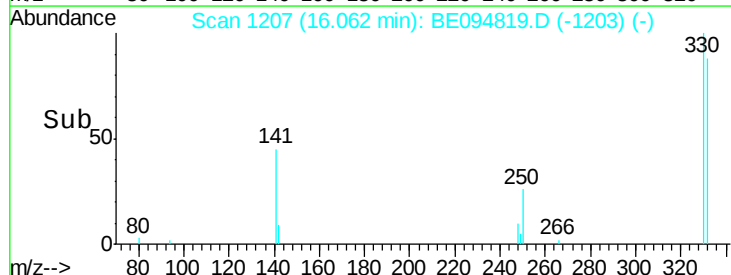
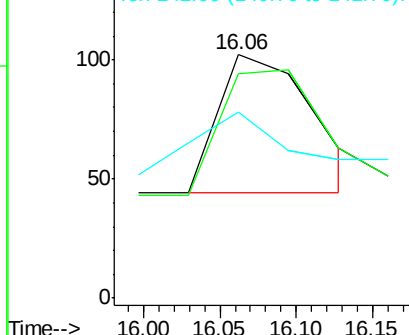


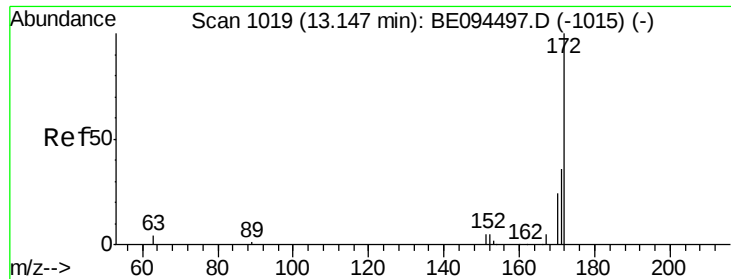
#14
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 16.06 min Scan# 1207
Delta R.T. 0.03 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Tgt Ion:330 Resp: 248
Ion Ratio Lower Upper
330 100
332 0.0 152.7 229.1#
141 43.5 33.7 50.5



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

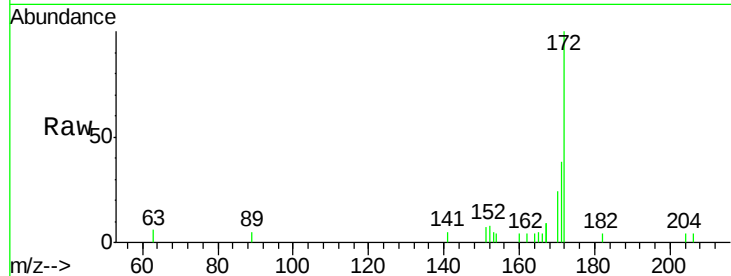




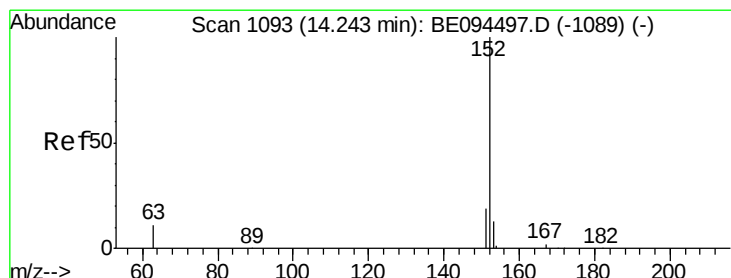
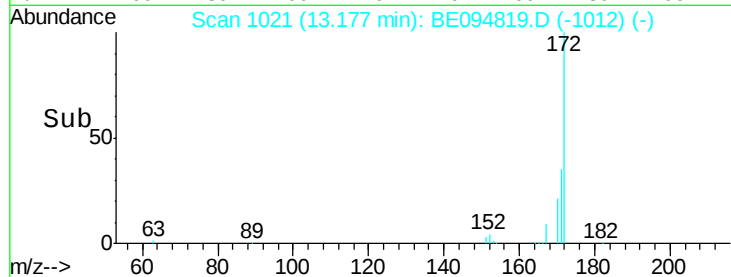
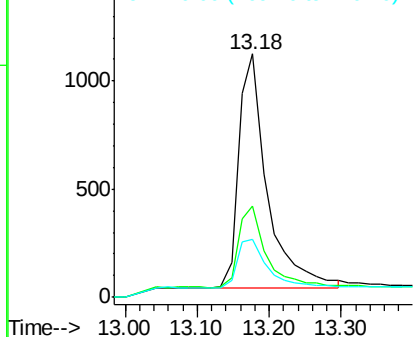
#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.03 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 2976
Ion Ratio Lower Upper
172 100
171 37.6 29.9 44.9
170 24.1 21.8 32.8

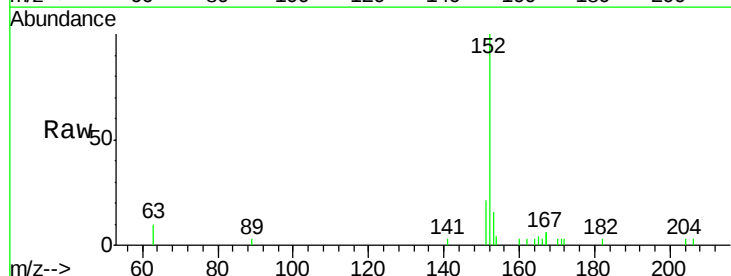


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

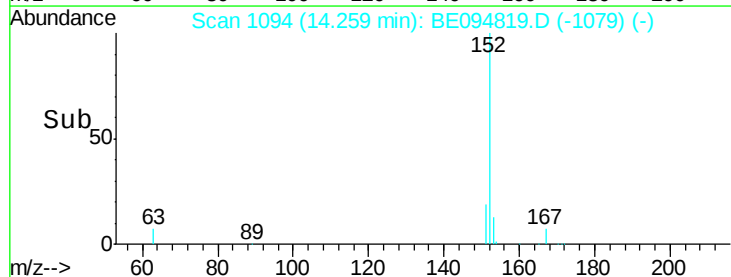
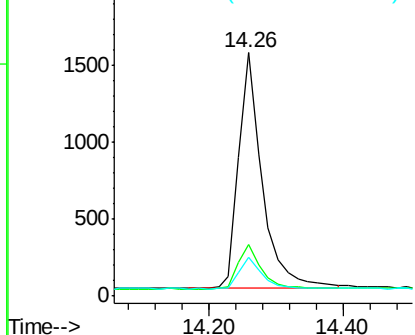


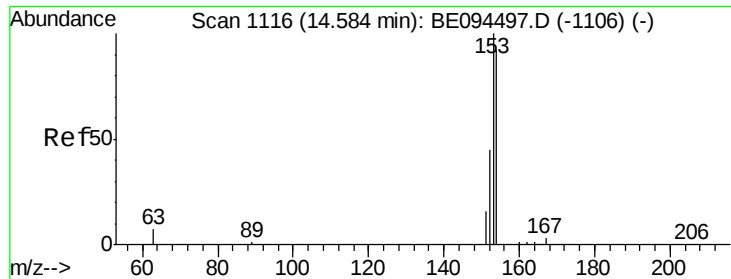
#16
Acenaphthylene
Concen: 0.34 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.02 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Tgt Ion:152 Resp: 3725
Ion Ratio Lower Upper
152 100
151 18.4 15.7 23.5
153 13.4 10.5 15.7



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: 0.35 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

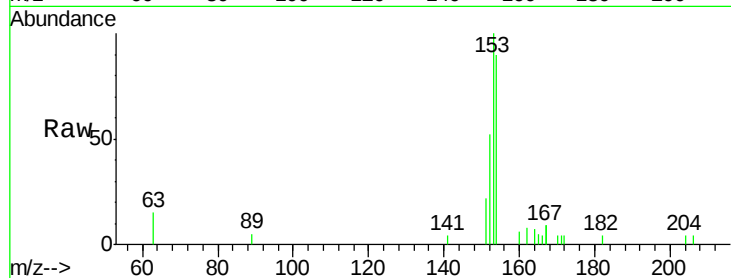
Tot Ion:154 Resp: 2469

Ion Ratio Lower Upper

154 100

153 108.9 89.2 133.8

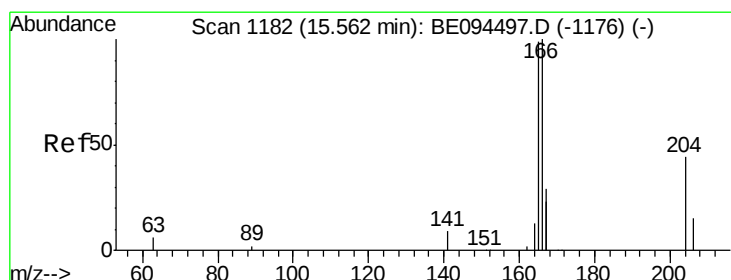
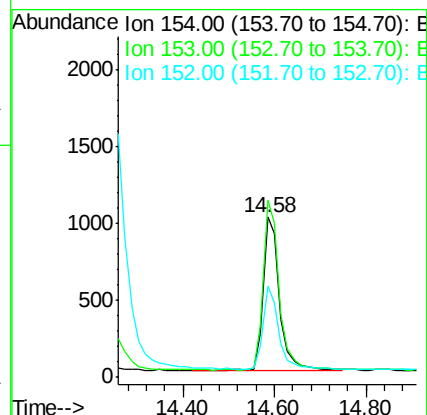
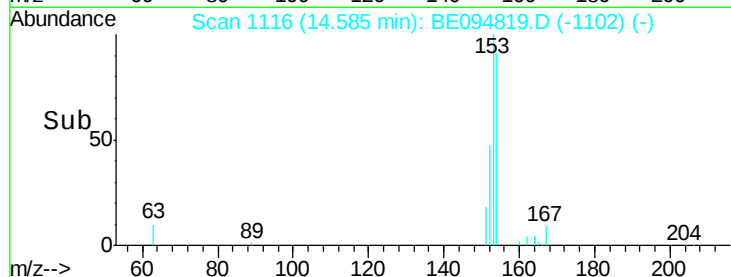
152 51.6 42.0 63.0



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: 0.34 ng

RT: 15.59 min Scan# 1184

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

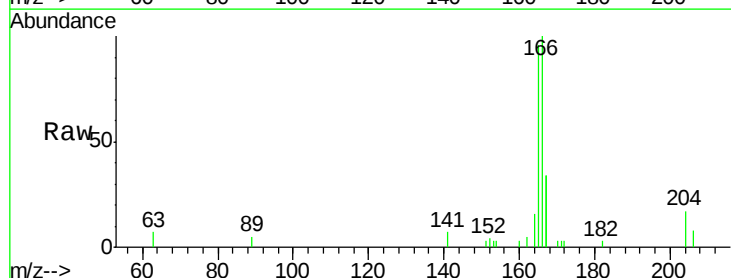
Tgt Ion:166 Resp: 3089

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.6

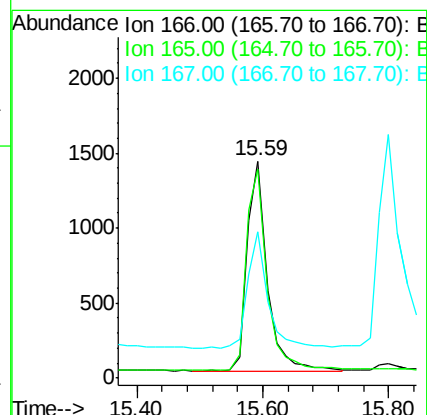
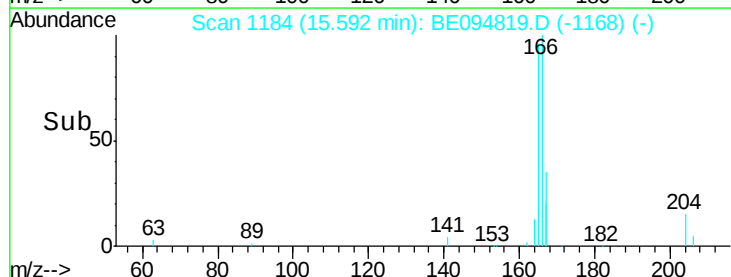
167 55.0 42.4 63.6

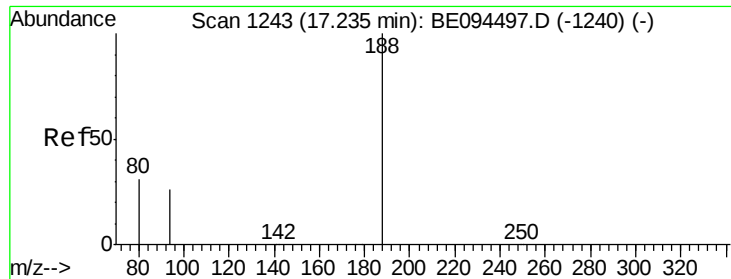


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

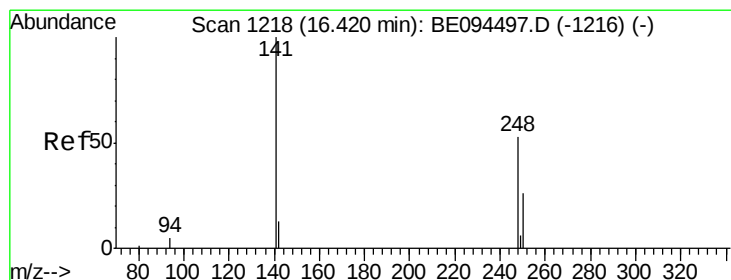
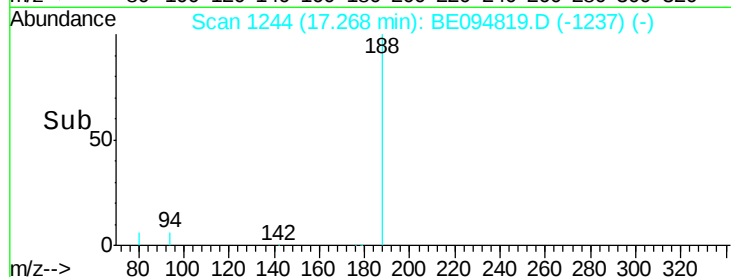
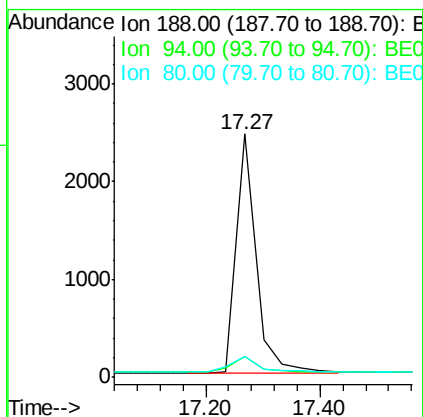
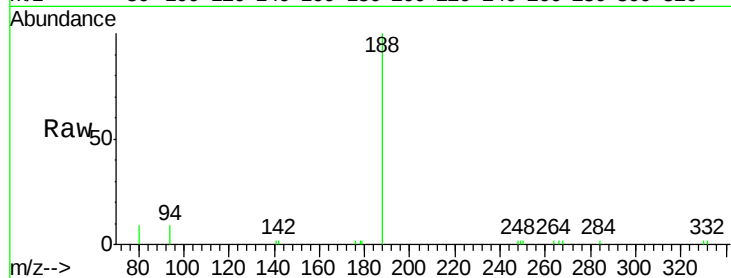




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.03 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

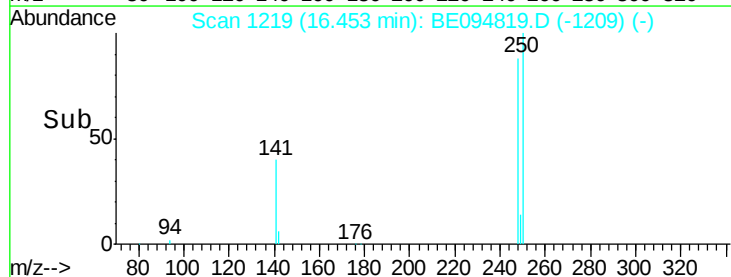
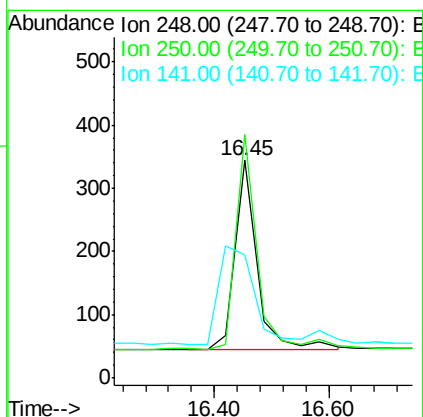
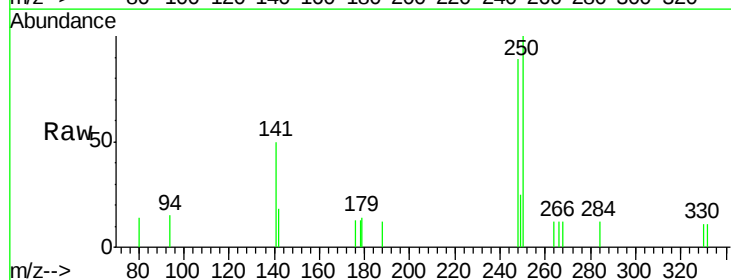
Instrument :
BNA_E
ClientSampleId :

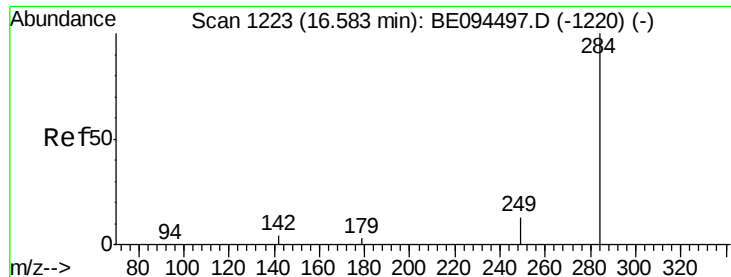
Tot Ion:188 Resp: 5805
Ion Ratio Lower Upper
188 100
94 8.6 3.9 5.9#
80 8.6 3.6 5.4#



#20
4-Bromophenyl-phenylether
Concen: 0.25 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.03 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Tgt Ion:248 Resp: 784
Ion Ratio Lower Upper
248 100
250 111.9 62.7 94.1#
141 56.4 48.2 72.2

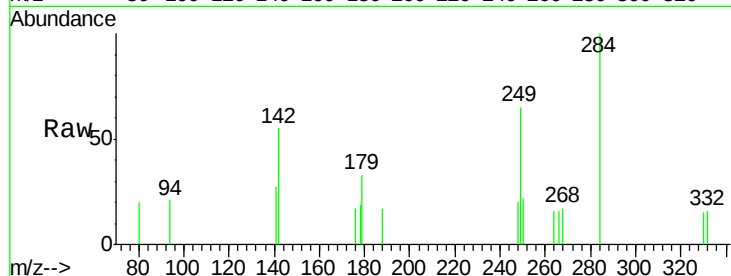




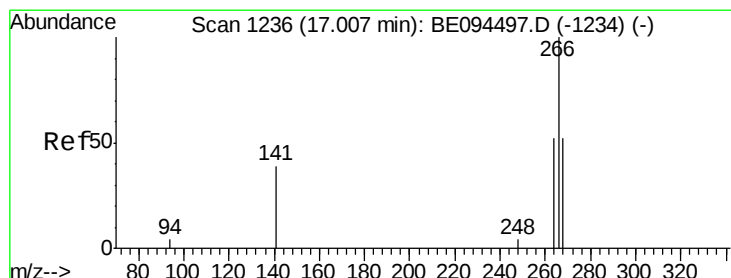
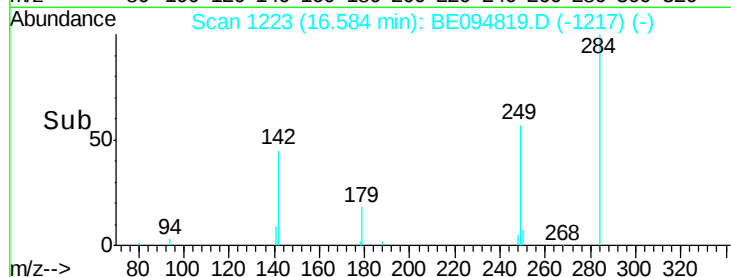
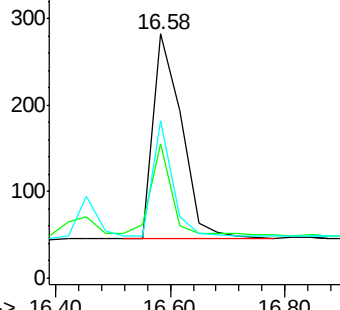
#21
Hexachlorobenzene
Concen: 0.29 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 815
Ion Ratio Lower Upper
284 100
142 31.4 22.1 33.1
249 38.2 34.8 52.2

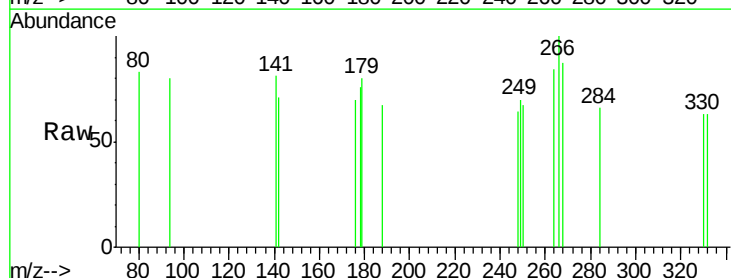


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

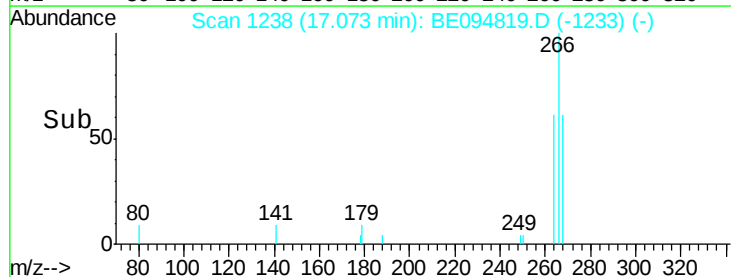
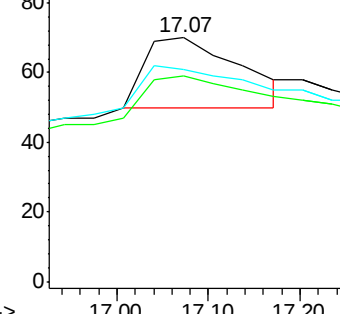


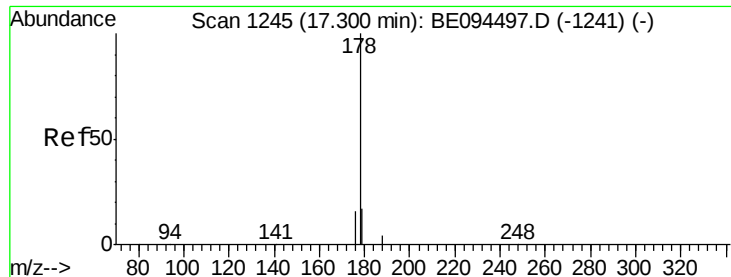
#22
Pentachlorophenol
Concen: 0.41 ng
RT: 17.07 min Scan# 1238
Delta R.T. 0.07 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Tgt Ion:266 Resp: 145
Ion Ratio Lower Upper
266 100
264 84.3 72.5 108.7
268 87.1 73.8 110.6



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

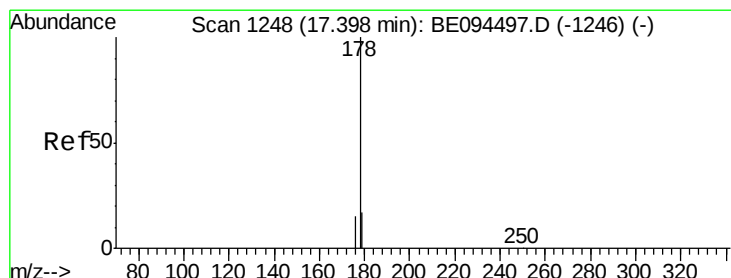
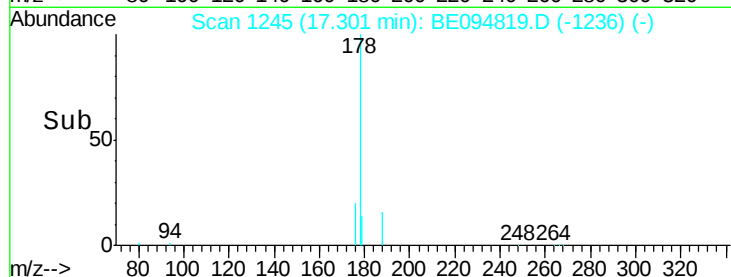
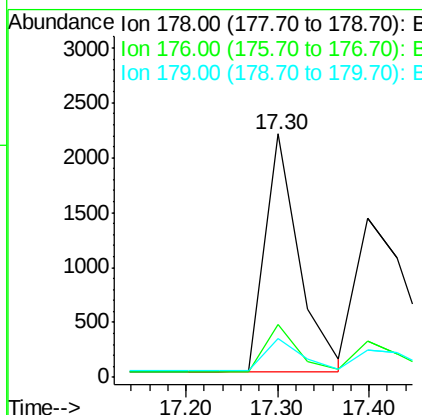
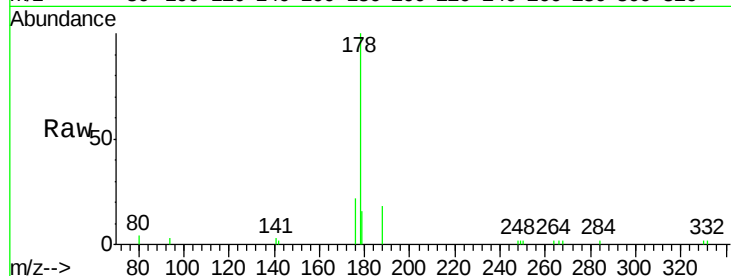




#23
Phenanthrene
Concen: 0.35 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

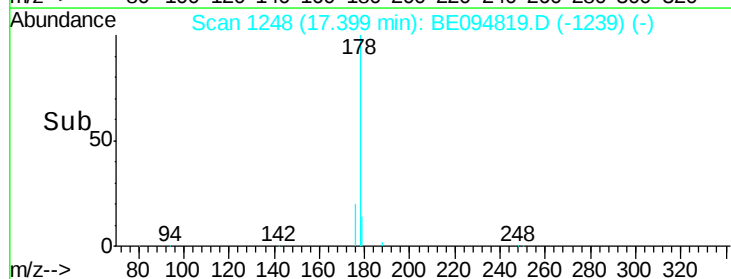
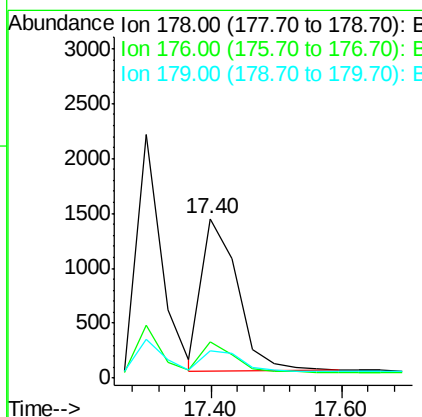
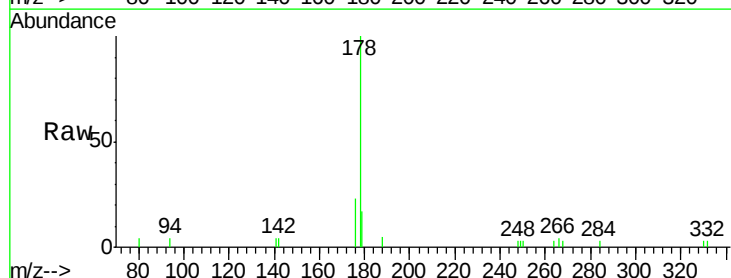
Instrument :
BNA_E
ClientSampled :

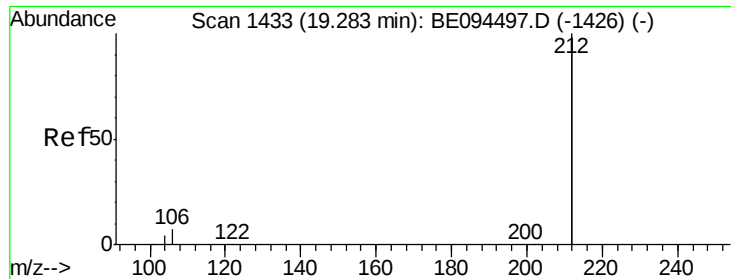
Tot Ion:178 Resp: 5570
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.3 11.8 17.6



#24
Anthracene
Concen: 0.31 ng
RT: 17.40 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE094819.D
Acq: 15 Nov 2017 17:48

Tgt Ion:178 Resp: 5308
Ion Ratio Lower Upper
178 100
176 17.9 12.8 19.2
179 15.3 13.0 19.6

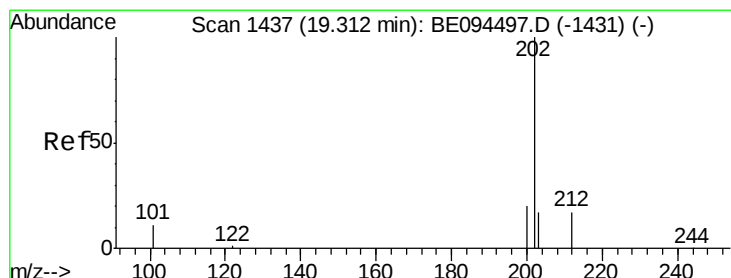
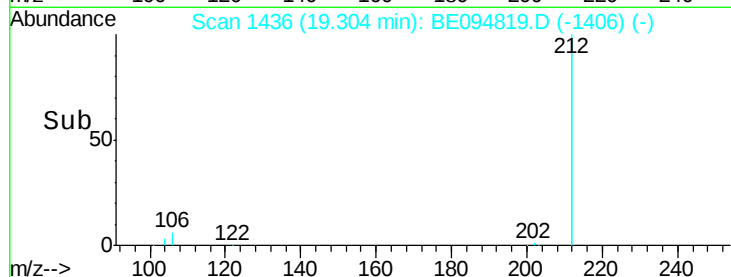
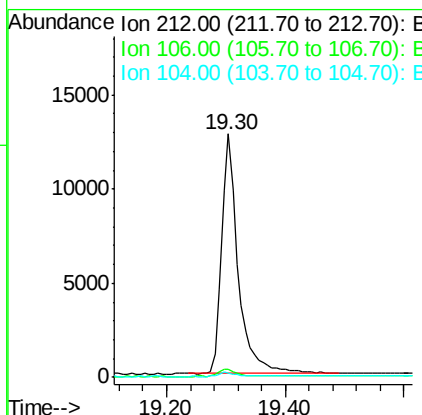
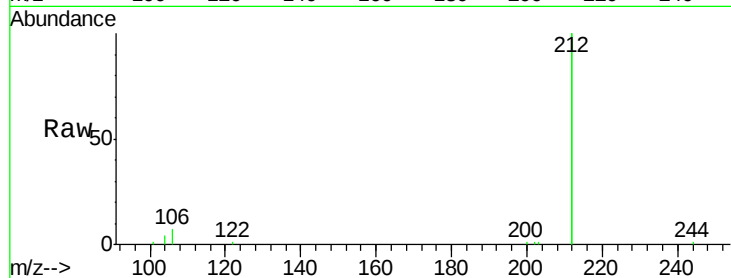




#25
 Fluoranthene-d10
 Concen: 0.33 ng
 RT: 19.30 min Scan# 1436
 Delta R.T. 0.02 min
 Lab File: BE094819.D
 Acq: 15 Nov 2017 17:48

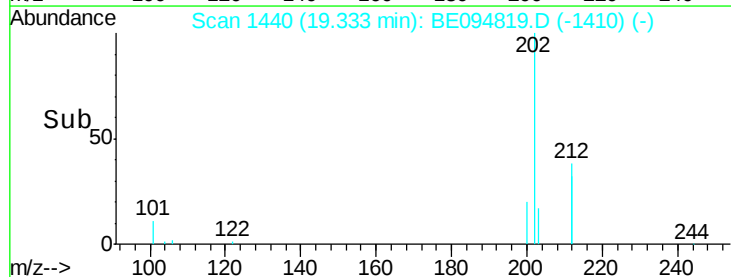
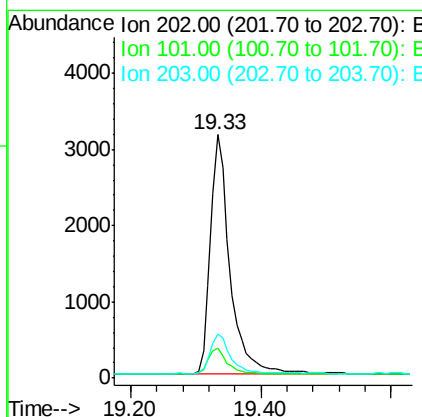
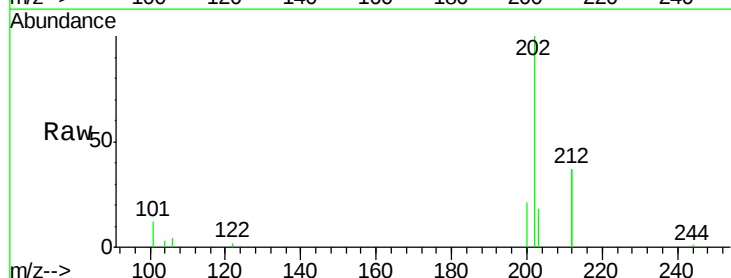
Instrument :
 BNA_E
 ClientSampleId :

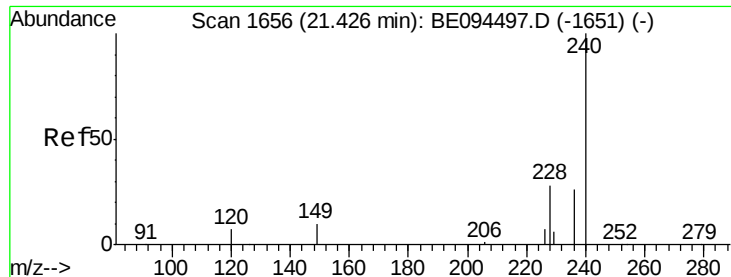
Tot Ion:212 Resp: 24786
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.8 4.2
 104 1.8 1.6 2.4



#26
 Fluoranthene
 Concen: 0.28 ng
 RT: 19.33 min Scan# 1440
 Delta R.T. 0.02 min
 Lab File: BE094819.D
 Acq: 15 Nov 2017 17:48

Tgt Ion:202 Resp: 6602
 Ion Ratio Lower Upper
 202 100
 101 10.9 9.8 14.8
 203 17.2 13.7 20.5





#27

Chrysene-d12

Concen: 0.40 ng

RT: 21.44 min Scan# 1657

Delta R.T. 0.01 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

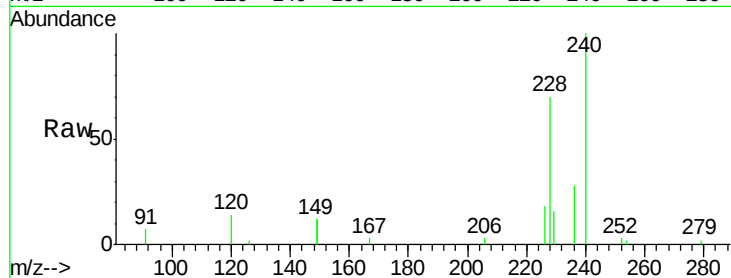
Tot Ion:240 Resp: 6640

Ion Ratio Lower Upper

240 100

120 13.6 5.5 8.3#

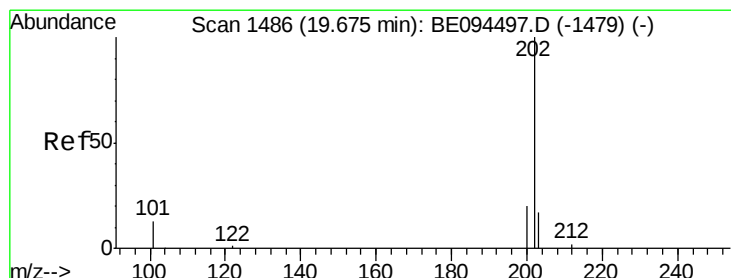
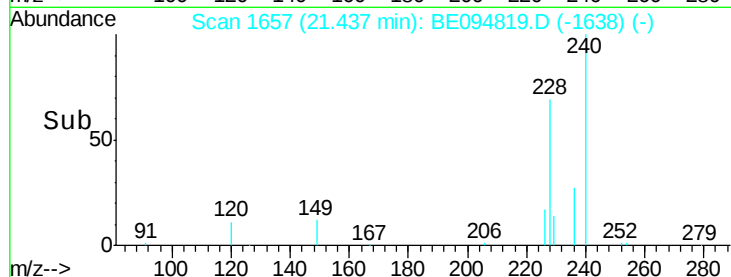
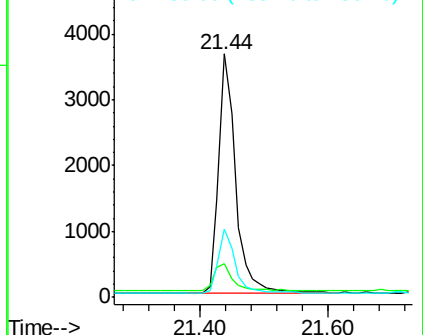
236 28.2 20.7 31.1



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: 0.30 ng

RT: 19.70 min Scan# 1489

Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

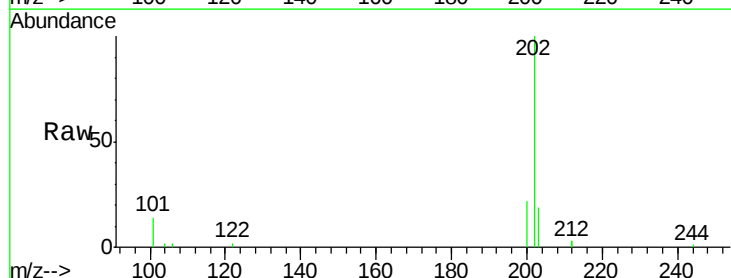
Tgt Ion:202 Resp: 6920

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

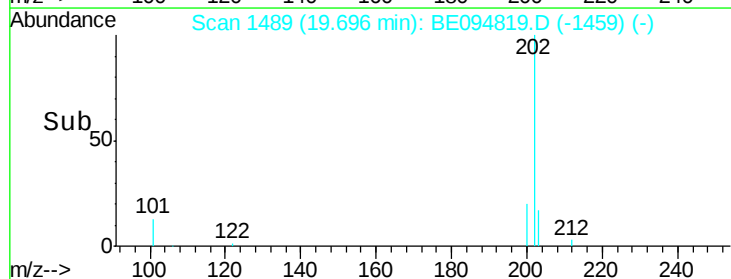
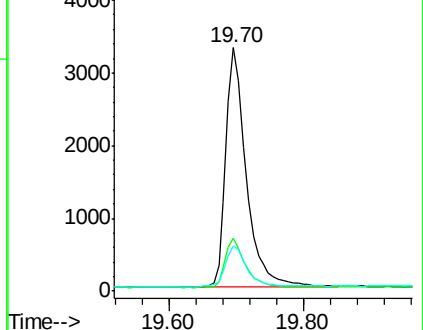
203 17.6 13.8 20.8

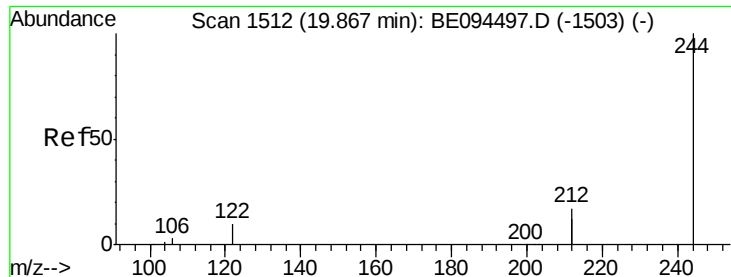


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.34 ng

RT: 19.87 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

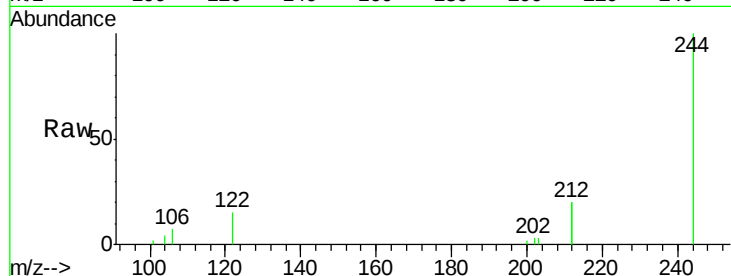
Tot Ion:244 Resp: 4203

Ion Ratio Lower Upper

244 100

212 39.9 25.4 38.0#

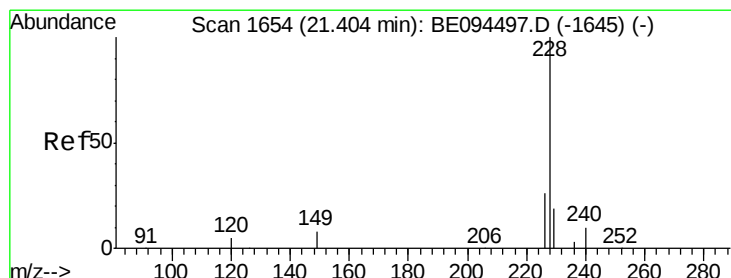
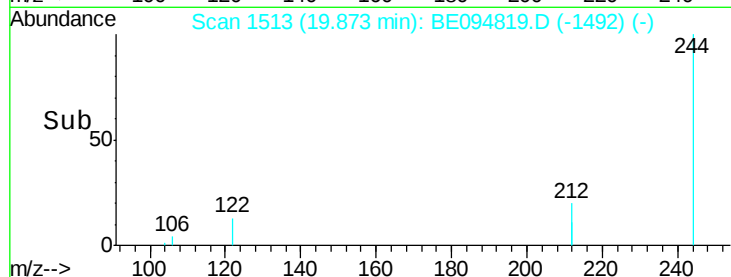
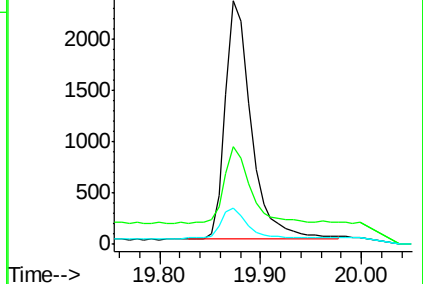
122 15.1 8.1 12.1#



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: 0.35 ng

RT: 21.43 min Scan# 1656

Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

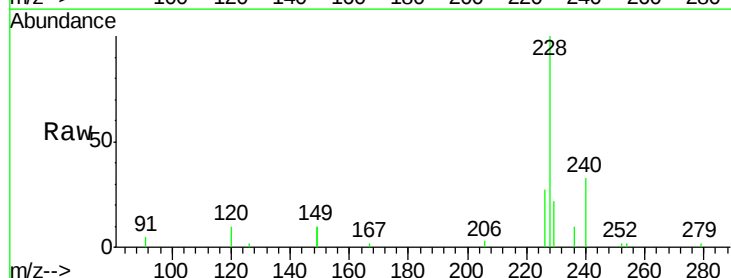
Tgt Ion:228 Resp: 7481

Ion Ratio Lower Upper

228 100

226 26.7 40.0 60.0#

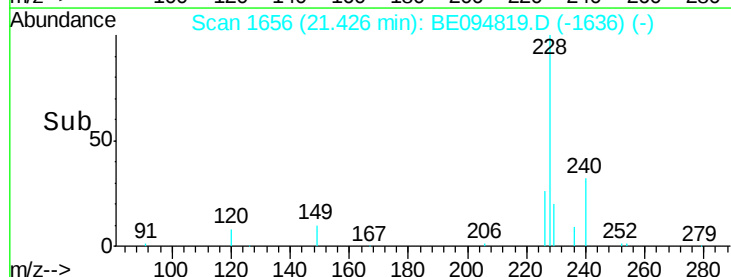
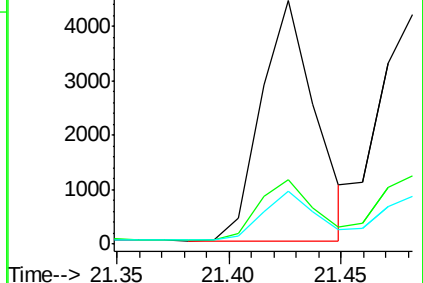
229 21.5 40.0 60.0#

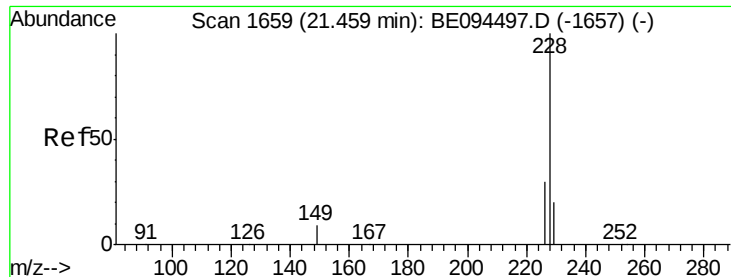


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.38 ng

RT: 21.48 min Scan# 1661

Delta R.T. 0.02 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

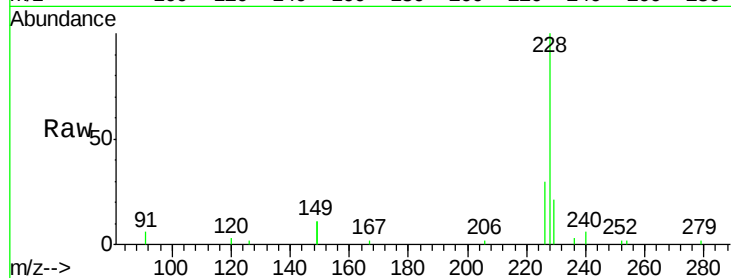
Tot Ion:228 Resp: 8374

Ion Ratio Lower Upper

228 100

226 29.6 40.0 60.0#

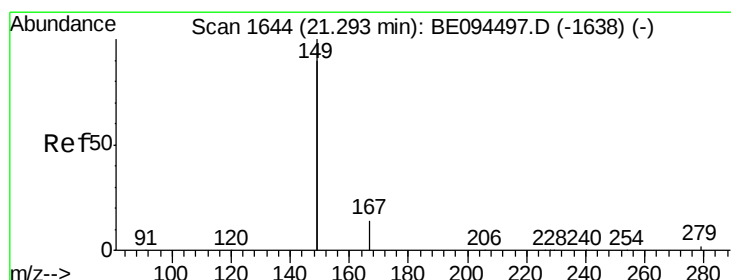
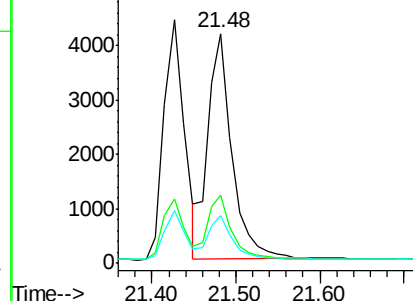
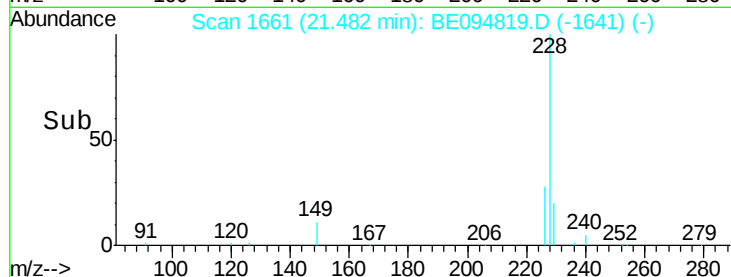
229 21.0 40.0 60.0#



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: 0.35 ng

RT: 21.28 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

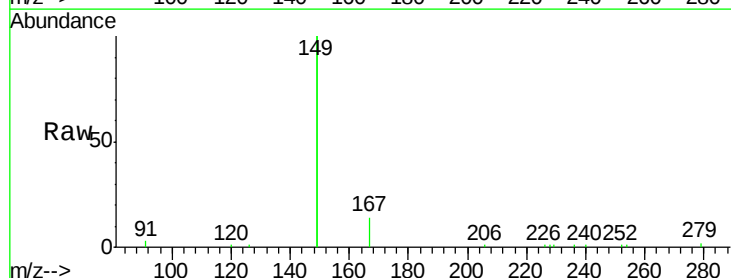
Tgt Ion:149 Resp: 18406

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

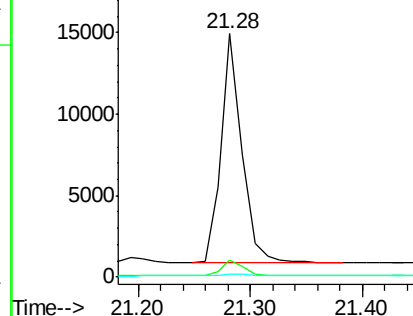
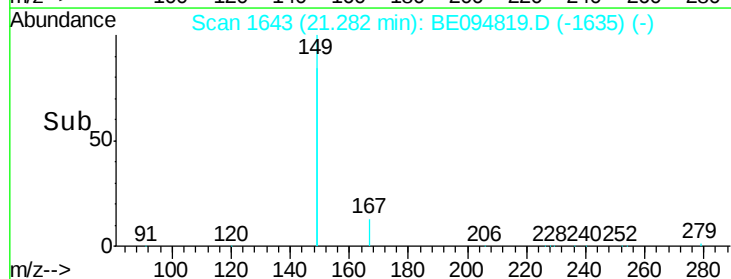
279 1.0 0.7 1.1

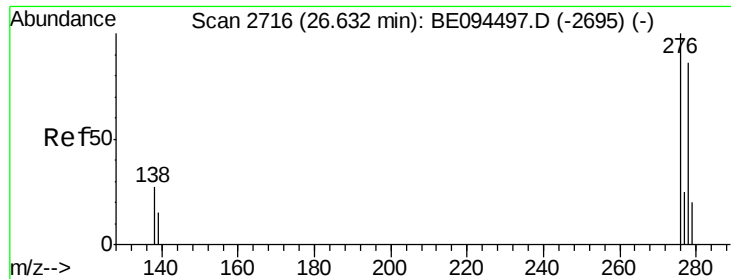


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.46 ng

RT: 26.71 min Scan# 2733

Delta R.T. 0.08 min

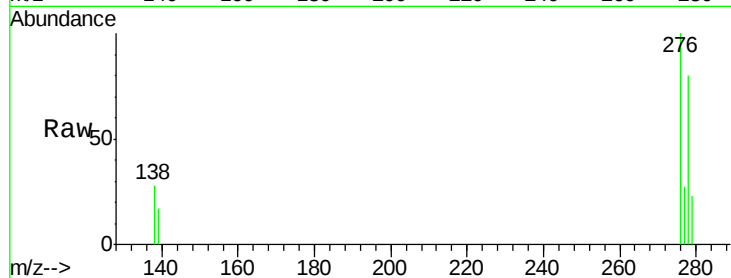
Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :



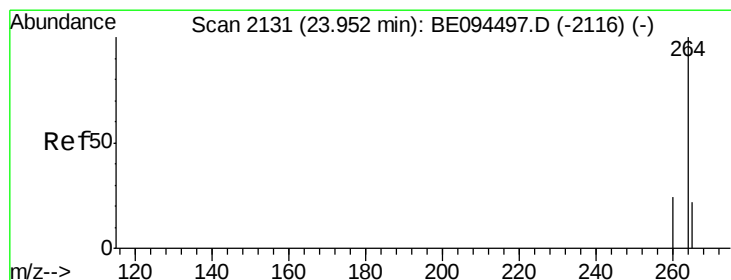
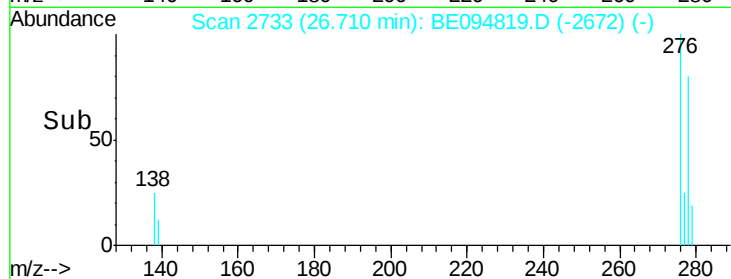
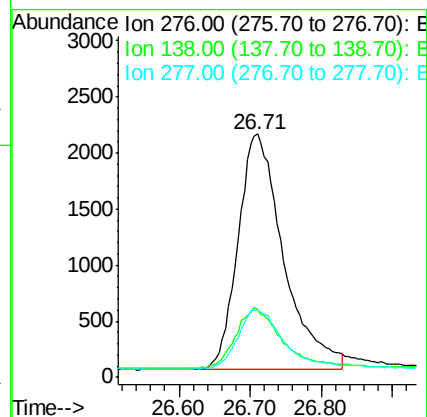
Tot Ion:276 Resp: 9358

Ion Ratio Lower Upper

276 100

138 25.8 22.5 33.7

277 25.2 19.9 29.9



#34

Perylene-d12

Concen: 0.40 ng

RT: 23.98 min Scan# 2138

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

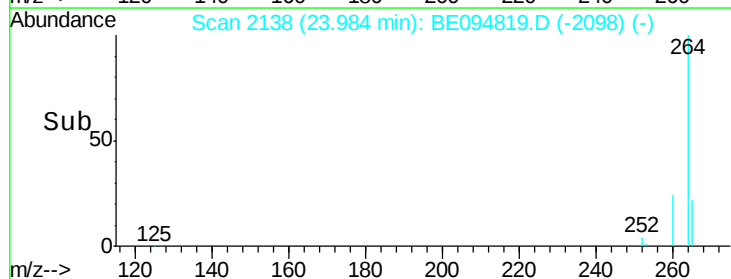
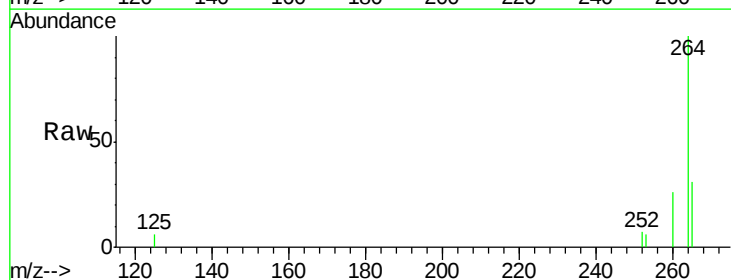
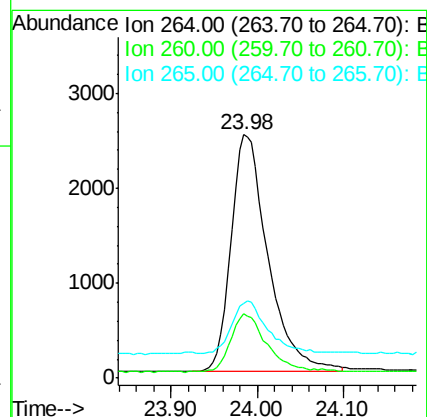
Tgt Ion:264 Resp: 7472

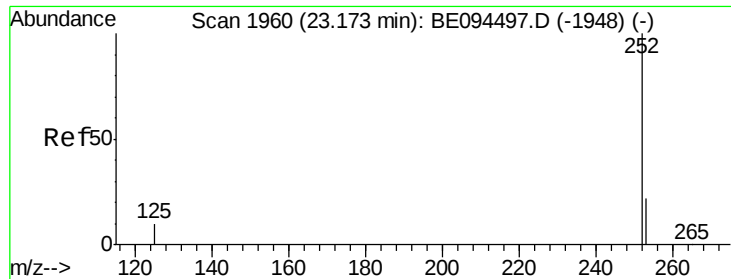
Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 30.9 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.35 ng

RT: 23.20 min Scan# 1966

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampled :

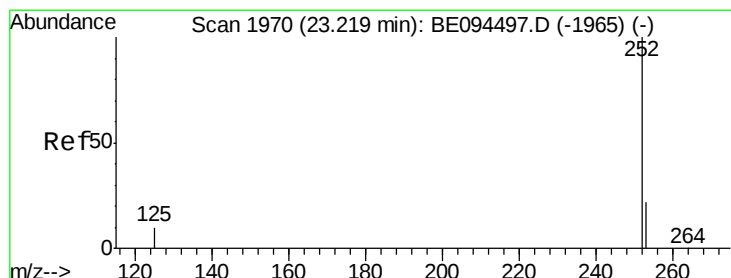
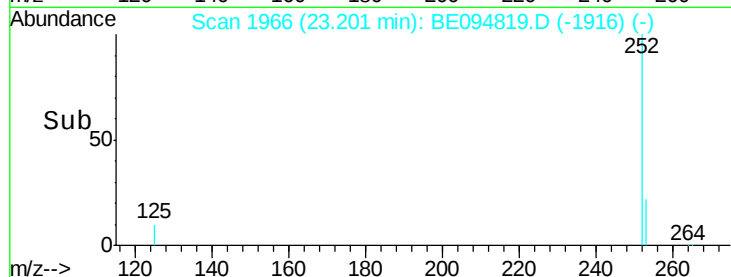
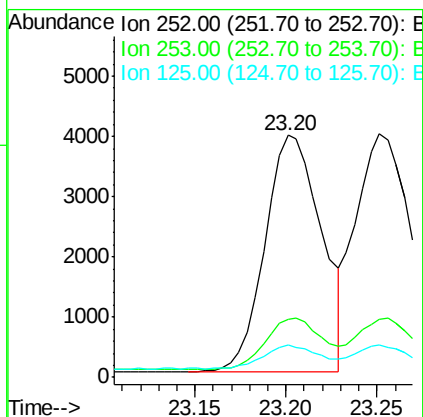
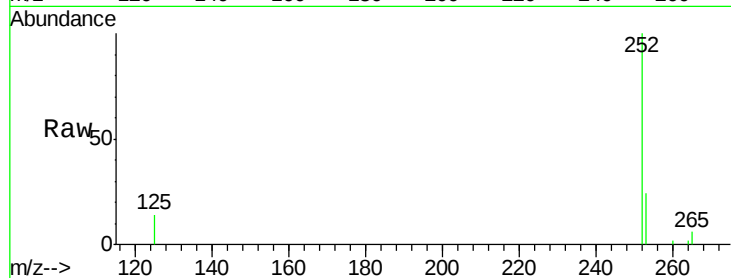
Tot Ion:252 Resp: 8474

Ion Ratio Lower Upper

252 100

253 24.1 48.0 72.0#

125 13.7 56.0 84.0#



#36

Benzo(k)fluoranthene

Concen: 0.36 ng

RT: 23.25 min Scan# 1977

Delta R.T. 0.03 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

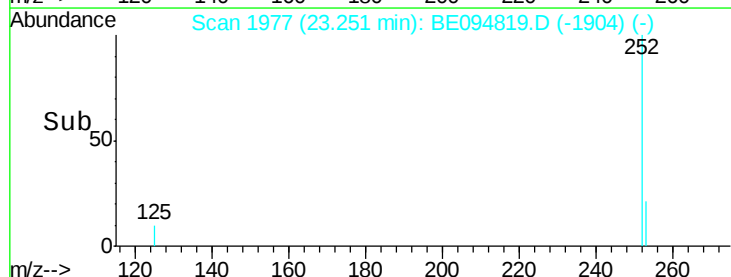
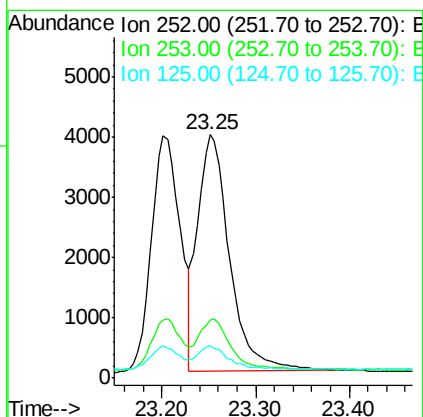
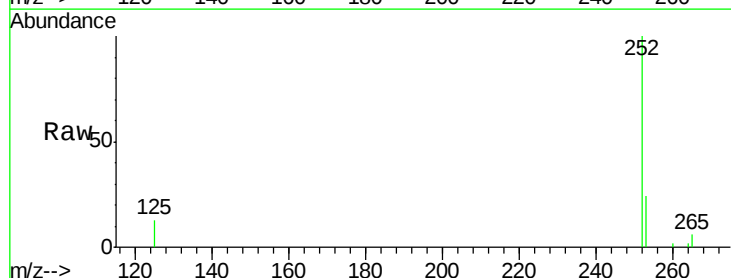
Tgt Ion:252 Resp: 9249

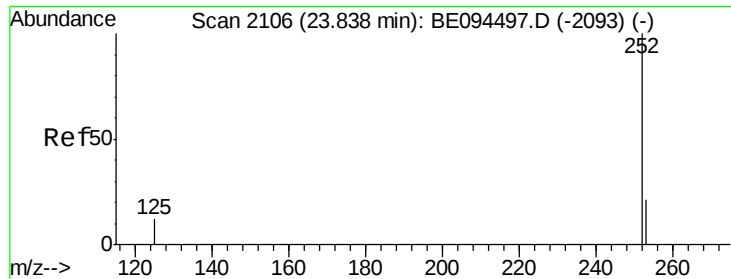
Ion Ratio Lower Upper

252 100

253 24.1 48.0 72.0#

125 13.1 56.0 84.0#





#37

Benzo(a)pyrene

Concen: 0.38 ng

RT: 23.88 min Scan# 2116

Delta R.T. 0.05 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

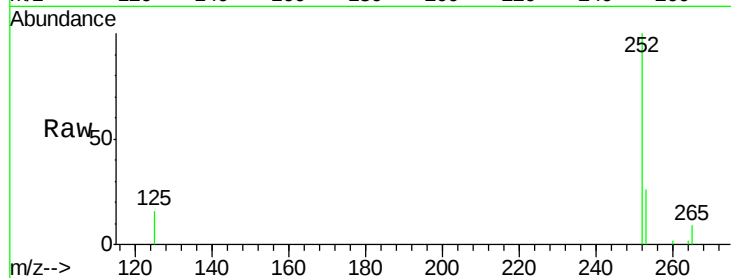
Tot Ion:252 Resp: 8814

Ion Ratio Lower Upper

252 100

253 25.9 52.0 78.0#

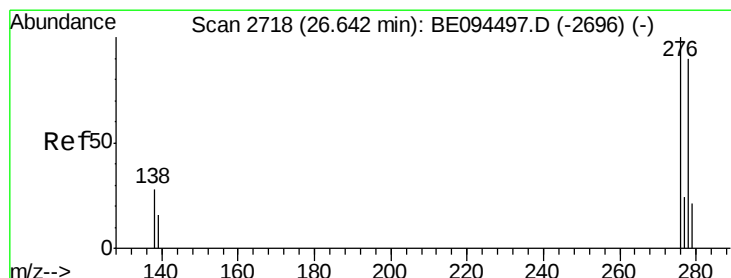
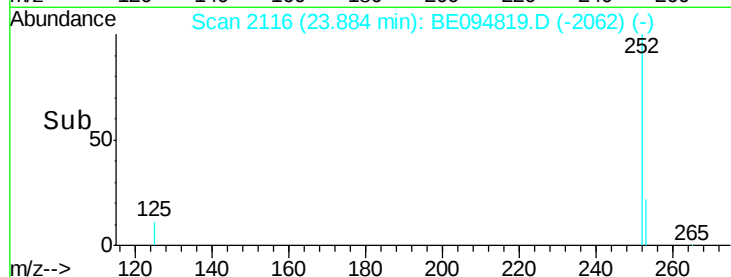
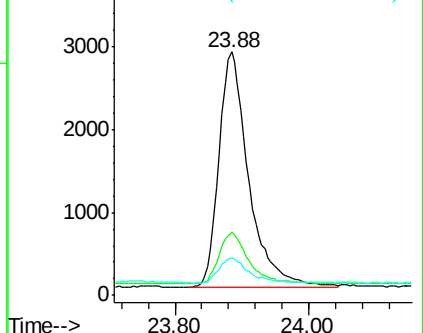
125 15.6 68.0 102.0#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.38 ng

RT: 26.70 min Scan# 2731

Delta R.T. 0.06 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

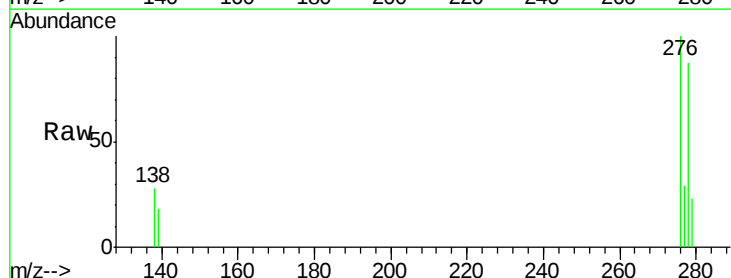
Tgt Ion:278 Resp: 7962

Ion Ratio Lower Upper

278 100

139 20.9 56.0 84.0#

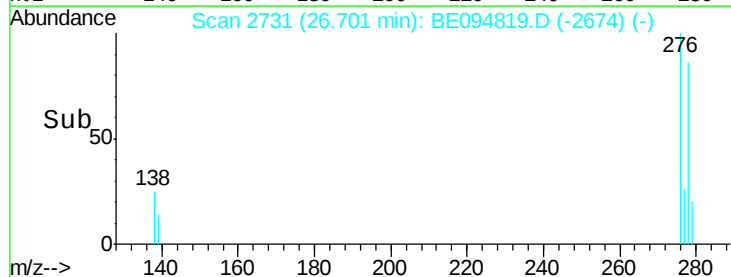
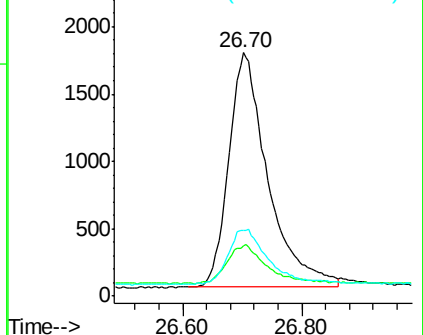
279 27.0 52.0 78.0#

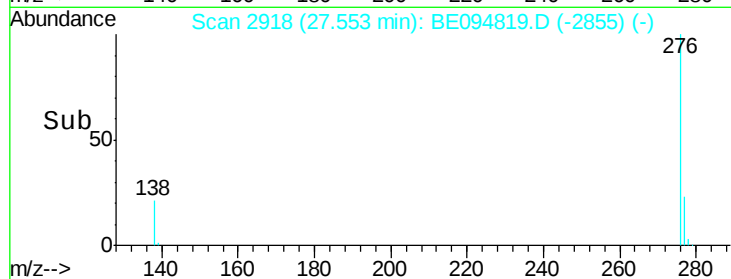
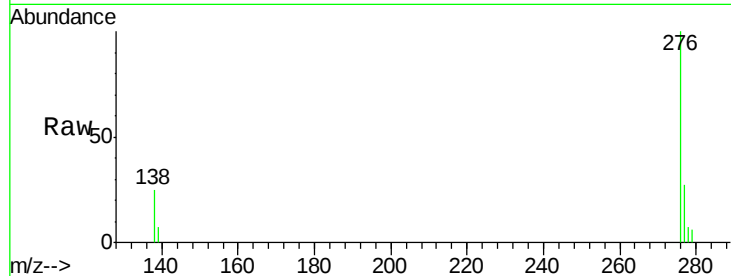
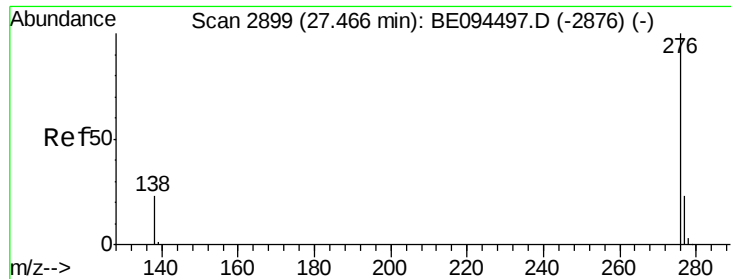


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.41 ng

RT: 27.55 min Scan# 2918

Delta R.T. 0.09 min

Lab File: BE094819.D

Acq: 15 Nov 2017 17:48

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 7988

Ion Ratio Lower Upper

276 100

277 27.2 52.0 78.0#

138 25.1 44.0 66.0#

