

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022618\
 Data File : BE095690.D
 Acq On : 26 Feb 2018 15:55
 Operator : SJ/JU
 Sample : J1642-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 26 17:55:00 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1463	0.40	ng	-0.01
7) Naphthalene-d8	11.27	136	5764	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3439	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7741	0.40	ng	0.01
27) Chrysene-d12	21.79	240	7681	0.40	ng	0.00
34) Perylene-d12	24.43	264	7141	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	351	0.09	ng	0.00
5) Phenol-d6	7.55	99	273	0.05	ng	0.00
8) Nitrobenzene-d5	9.61	82	1071	0.18	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	1526	0.16	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	280	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	2620	0.17	ng	0.00
25) Fluoranthene-d10	19.68	212	15396	0.15	ng	0.00
29) Terphenyl-d14	20.25	244	2798	0.18	ng	0.00

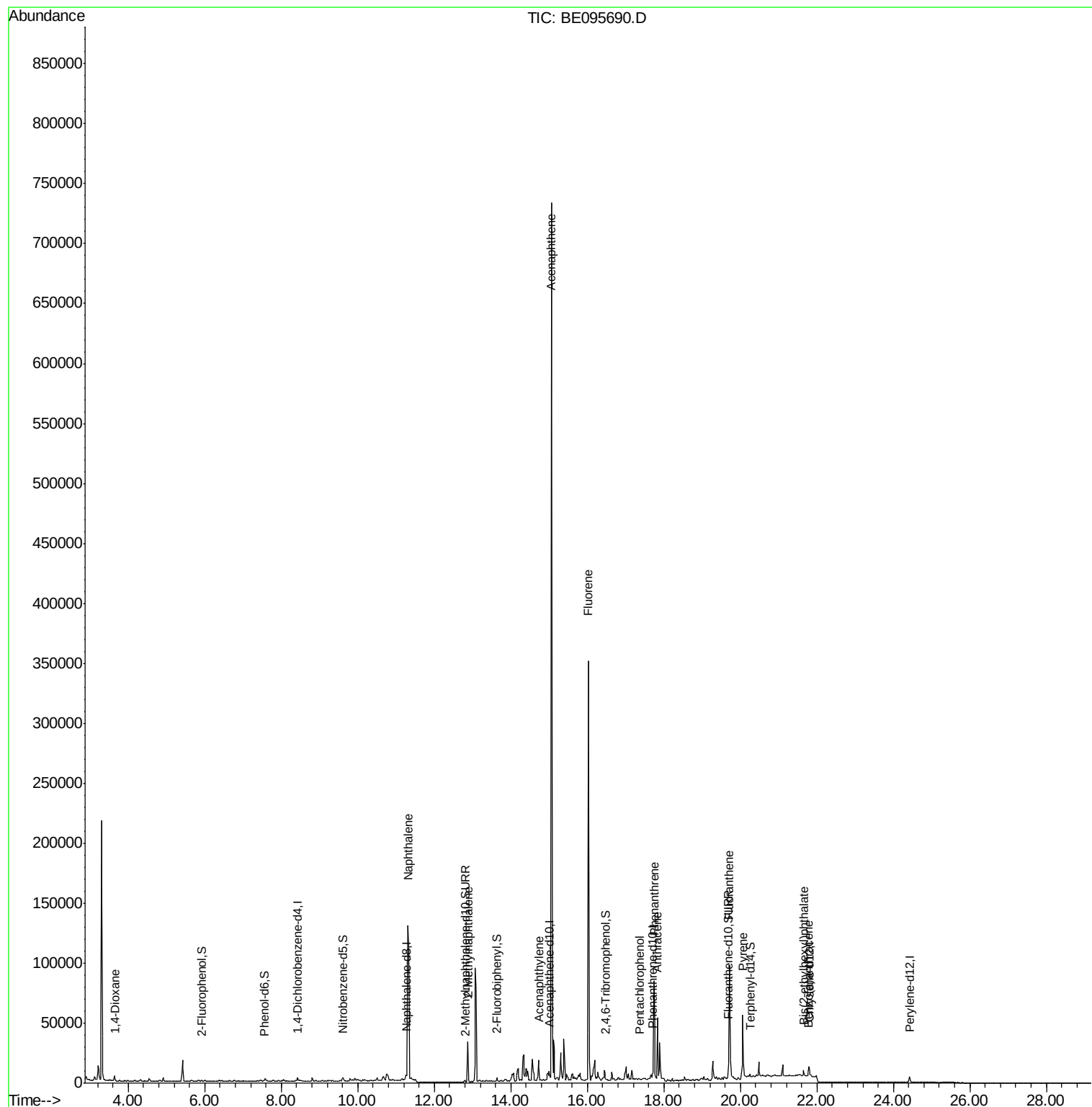
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.65	88	2775	1.205	ng	95
9) Naphthalene	11.31	128	248325	3.737	ng	99
12) 2-Methylnaphthalene	12.88	142	23293	2.032	ng	99
16) Acenaphthylene	14.73	152	7661	0.397	ng	# 74
17) Acenaphthene	15.06	154	412461	33.999	ng	94
18) Fluorene	16.02	166	293467	19.506	ng	# 79
22) Pentachlorophenol	17.37	266	202	0.288	ng	85
23) Phenanthrene	17.74	178	86649	3.581	ng	98
24) Anthracene	17.83	178	57947	2.608	ng	# 93
26) Fluoranthene	19.71	202	82482	2.770	ng	99
28) Pyrene	20.06	202	56083	1.785	ng	96
30) Benzo(a)anthracene	21.78	228	2243	0.090	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.65	149	5503	0.124	ng	# 90

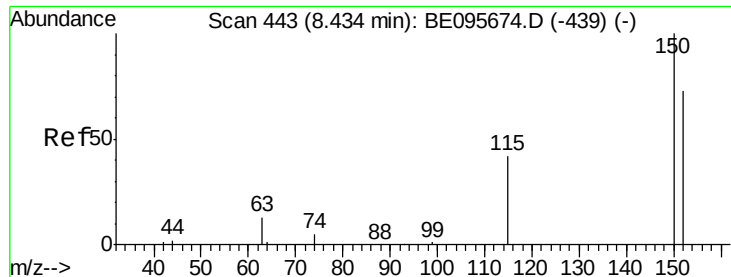
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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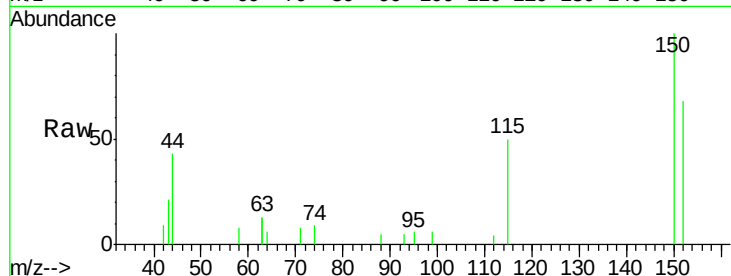


#1

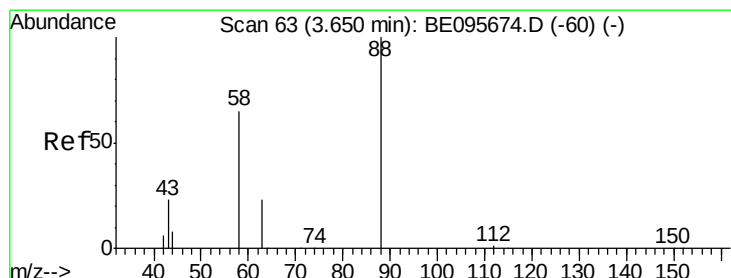
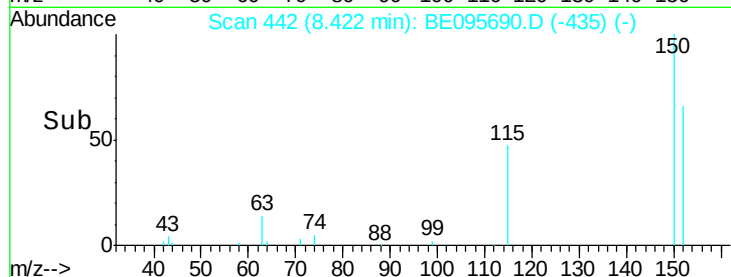
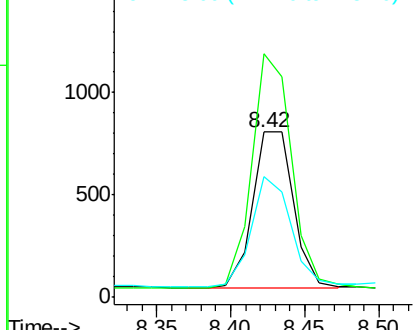
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 442
Delta R.T. -0.01 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1463
Ion Ratio Lower Upper
152 100
150 147.3 117.2 175.8
115 73.1 57.0 85.6



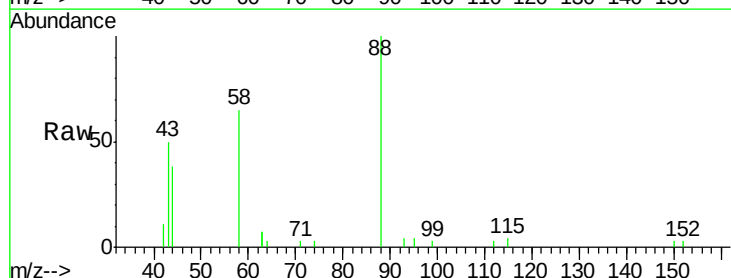
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



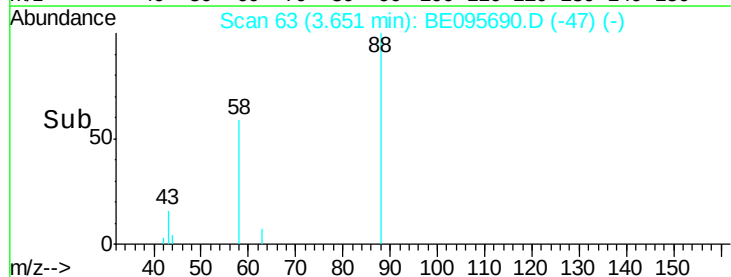
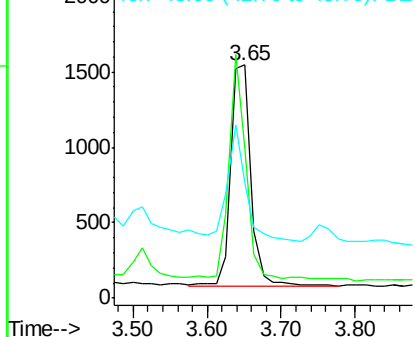
#2

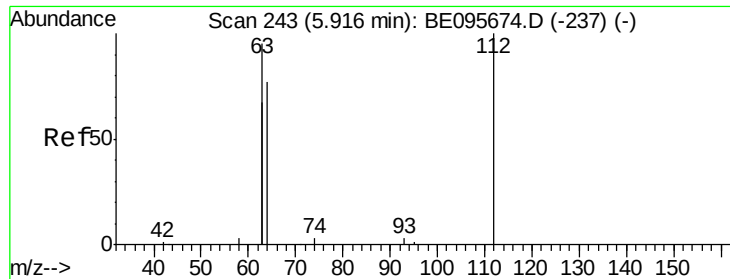
1,4-Dioxane
Concen: 1.205 ng
RT: 3.65 min Scan# 63
Delta R.T. 0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tgt Ion: 88 Resp: 2775
Ion Ratio Lower Upper
88 100
58 83.3 63.2 94.8
43 47.7 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.091 ng

RT: 5.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

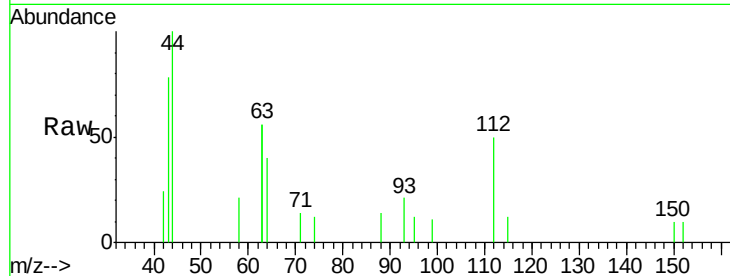
Tot Ion: 112 Resp: 351

Ion Ratio Lower Upper

112 100

64 62.1 60.1 90.1

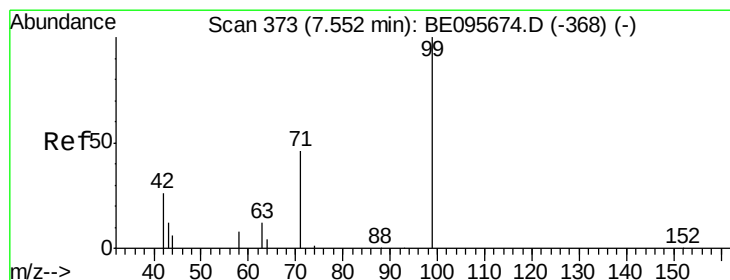
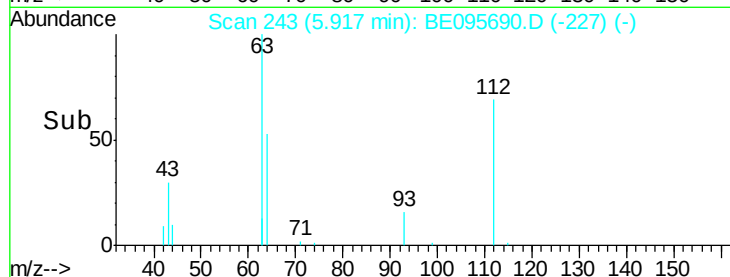
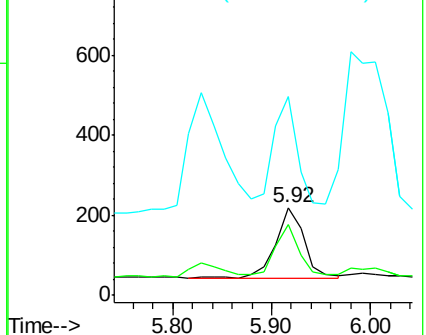
63 150.7 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.051 ng

RT: 7.55 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

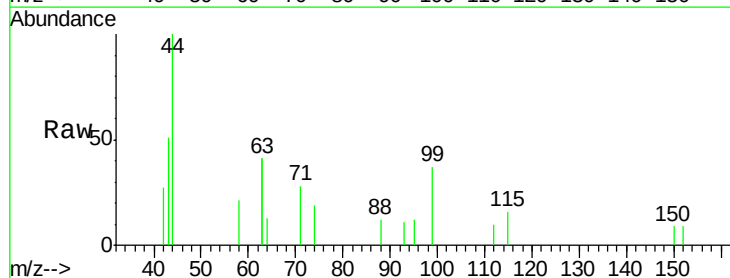
Tgt Ion: 99 Resp: 273

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

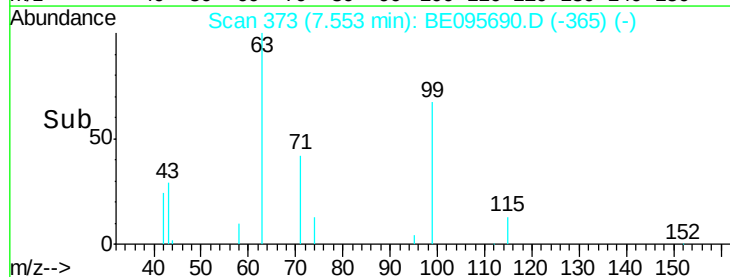
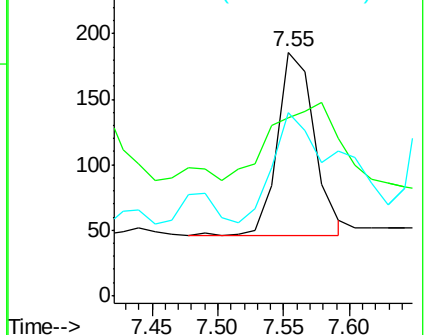
71 69.6 28.4 42.6#

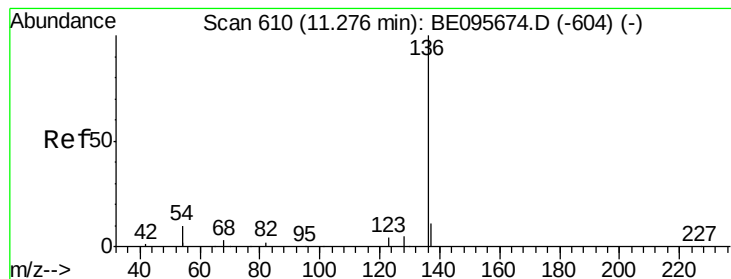


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.27 min Scan# 610

Delta R.T. -0.00 min

Lab File: BE095690.D

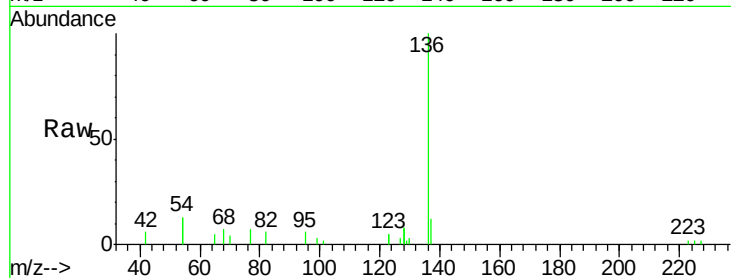
Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	5764
Ion Ratio	Lower	Upper
136	100	
137	12.4	9.5 14.3
54	26.9	29.1 43.7
68	7.1	6.2 9.2

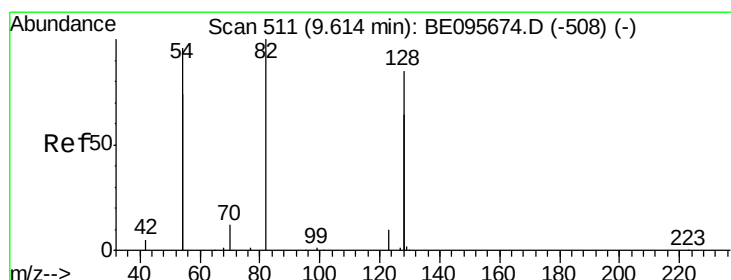
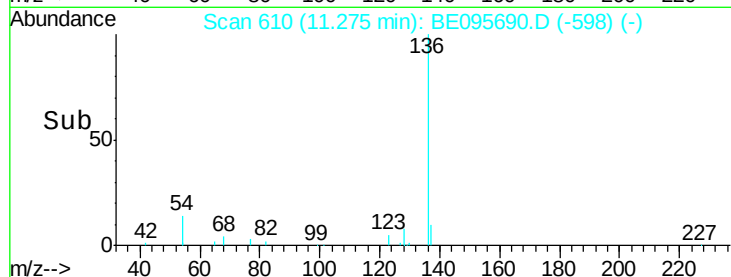
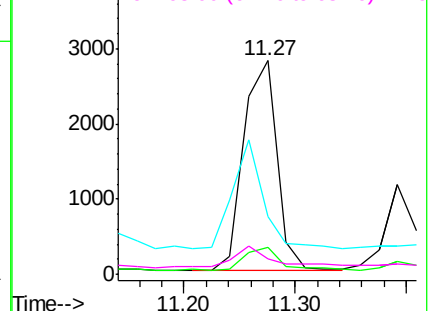


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.180 ng

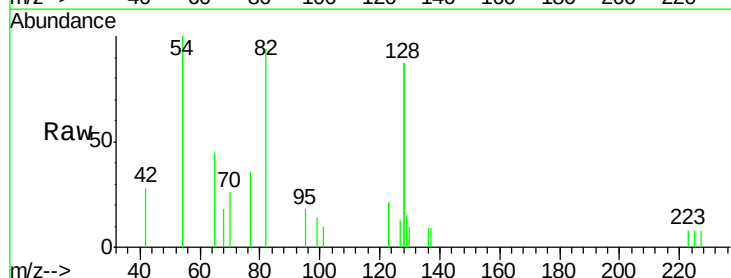
RT: 9.61 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

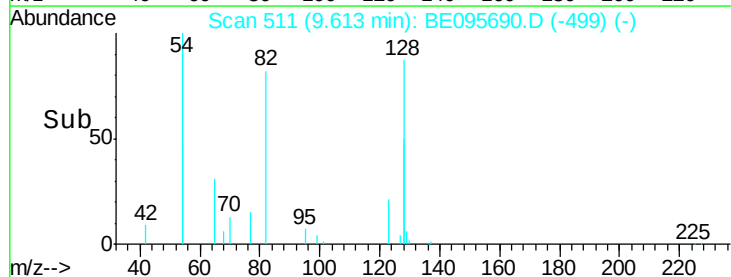
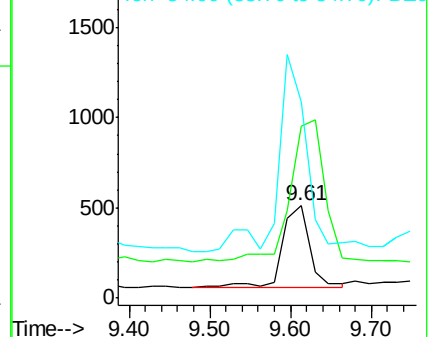
Tgt Ion: 82	Resp:	1071
Ion Ratio	Lower	Upper
82	100	
128	186.7	150.0 225.0
54	213.7	154.2 231.4

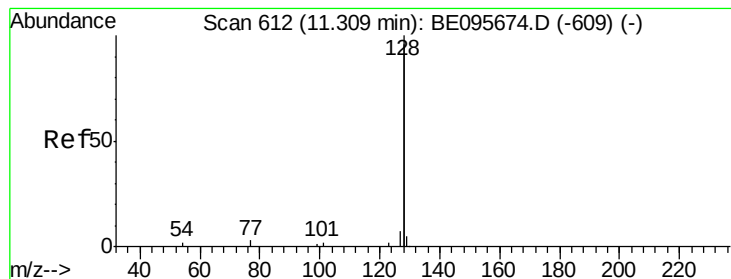


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.737 ng

RT: 11.31 min Scan# 612

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

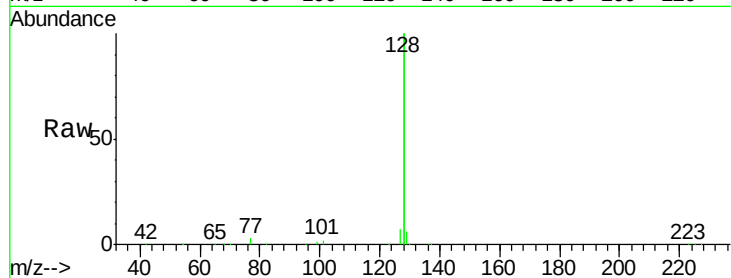
Tot Ion:128 Resp: 248325

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

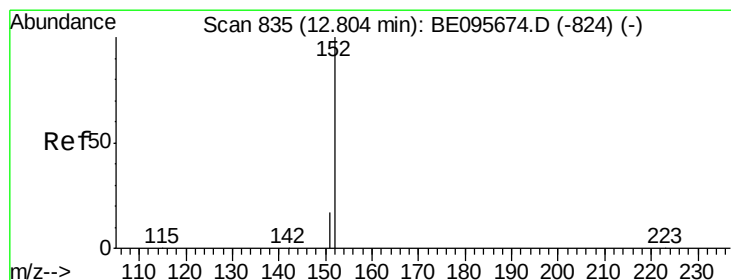
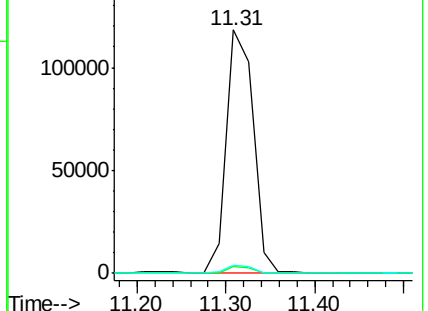
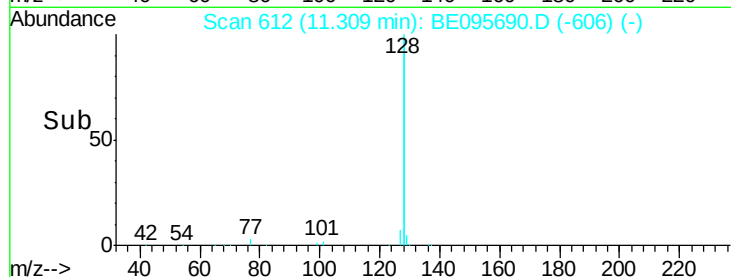
127 3.6 2.8 4.2



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: 0.158 ng

RT: 12.80 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE095690.D

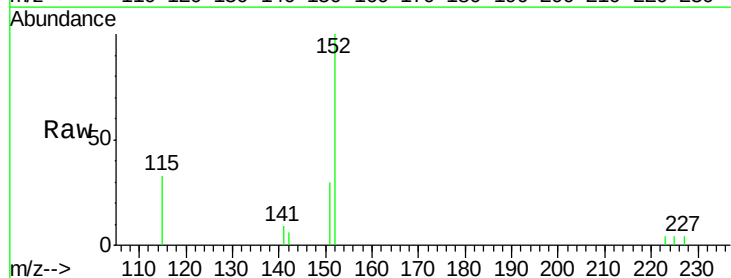
Acq: 26 Feb 2018 15:55

Tgt Ion:152 Resp: 1526

Ion Ratio Lower Upper

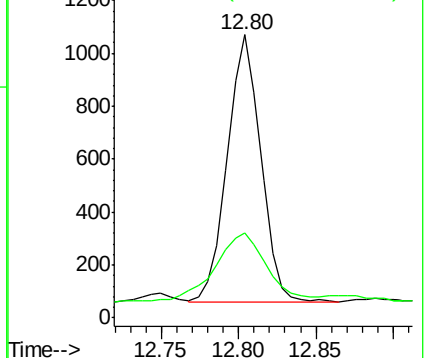
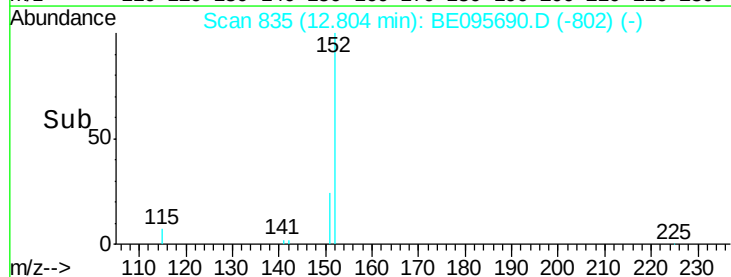
152 100

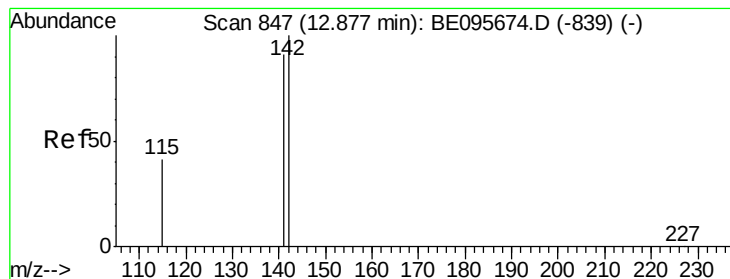
151 38.5 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 2.032 ng

RT: 12.88 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

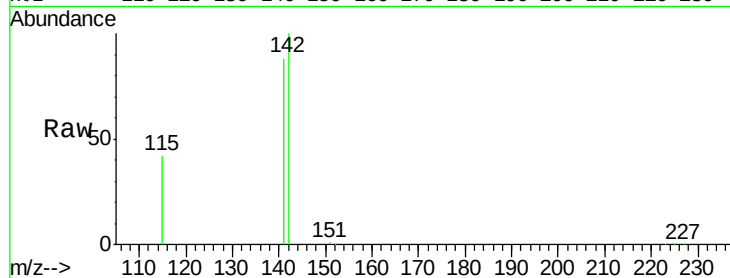
Tot Ion:142 Resp: 23293

Ion Ratio Lower Upper

142 100

141 88.3 70.4 105.6

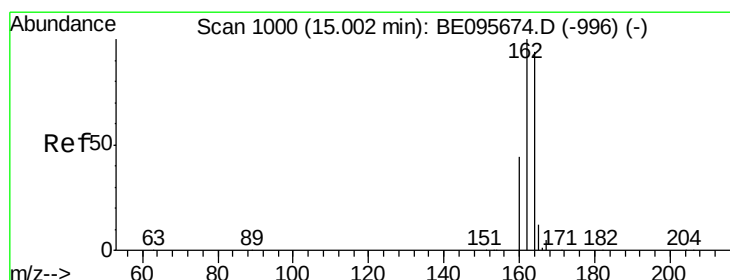
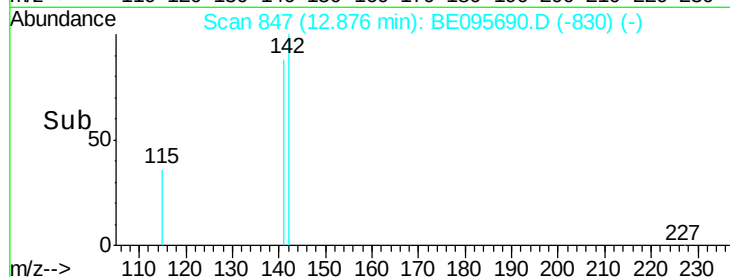
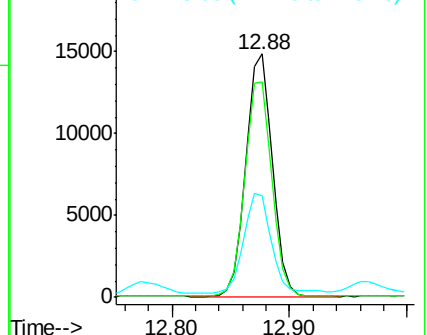
115 41.8 31.7 47.5



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: 0.400 ng

RT: 15.00 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

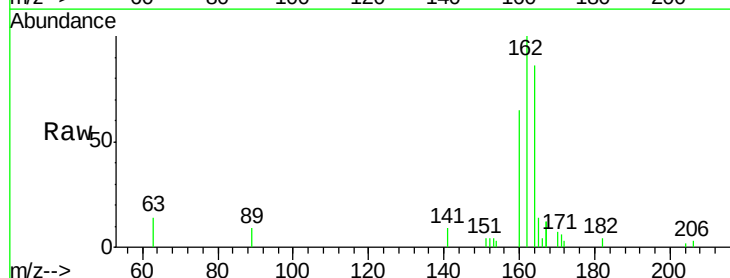
Tgt Ion:164 Resp: 3439

Ion Ratio Lower Upper

164 100

162 115.9 83.1 124.7

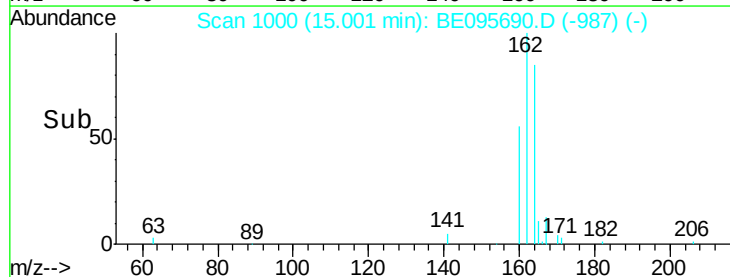
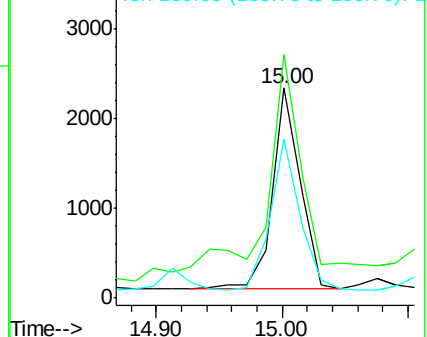
160 75.8 37.1 55.7#

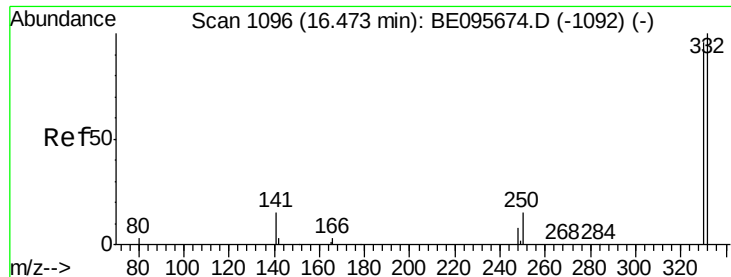


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.286 ng

RT: 16.47 min Scan# 1096

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampled :

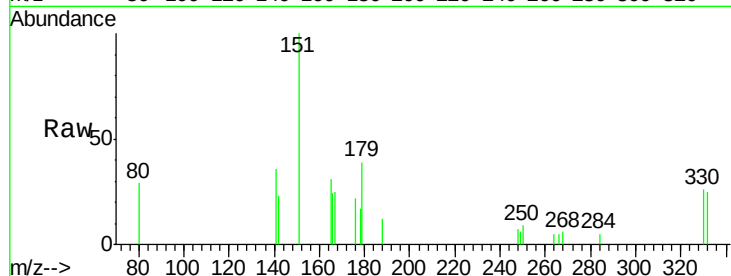
Tot Ion:330 Resp: 280

Ion Ratio Lower Upper

330 100

332 94.6 152.7 229.1#

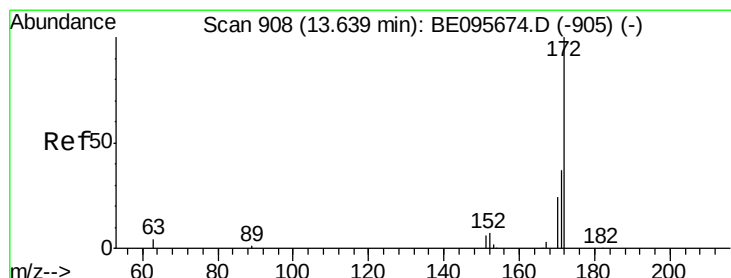
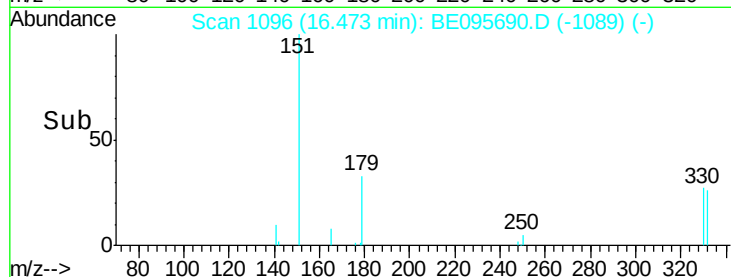
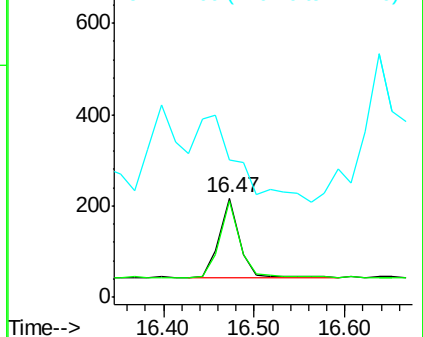
141 204.6 33.7 50.5#



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: 0.171 ng

RT: 13.64 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

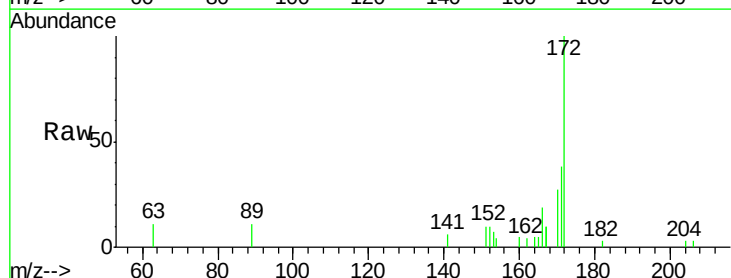
Tgt Ion:172 Resp: 2620

Ion Ratio Lower Upper

172 100

171 38.4 29.9 44.9

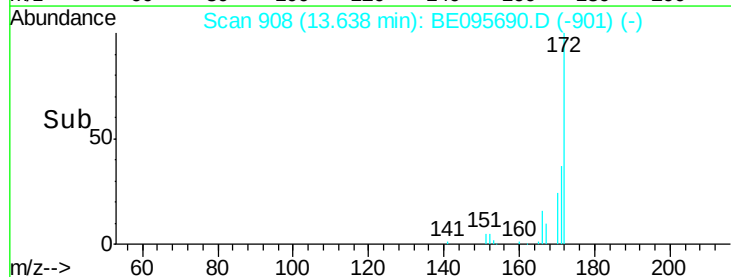
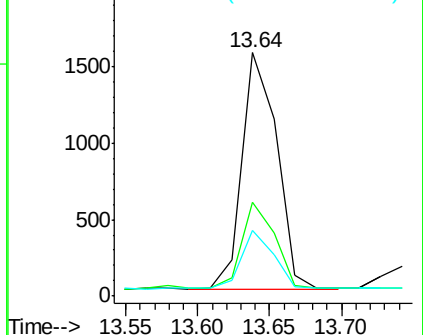
170 26.9 21.8 32.8

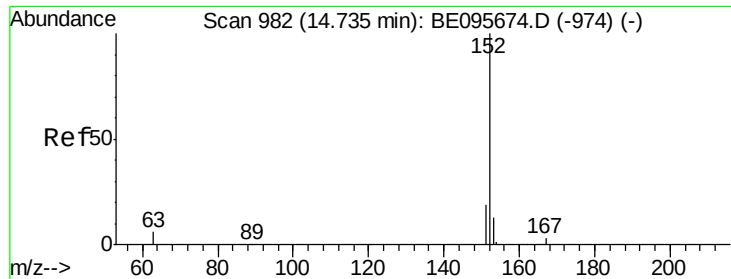


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

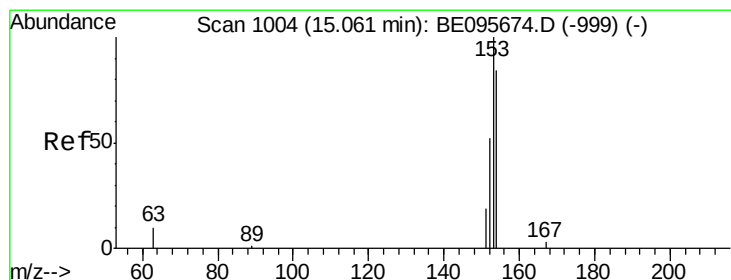
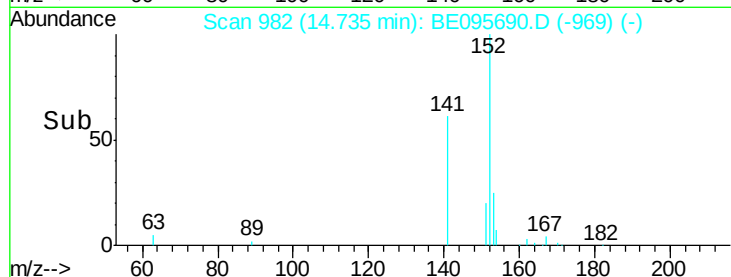
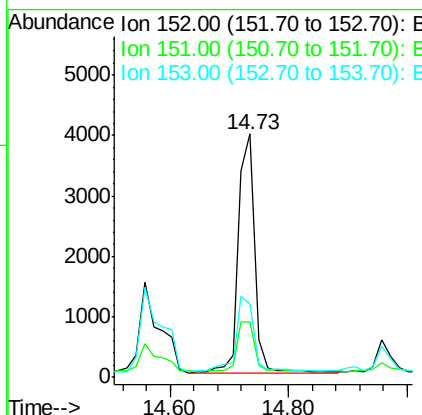
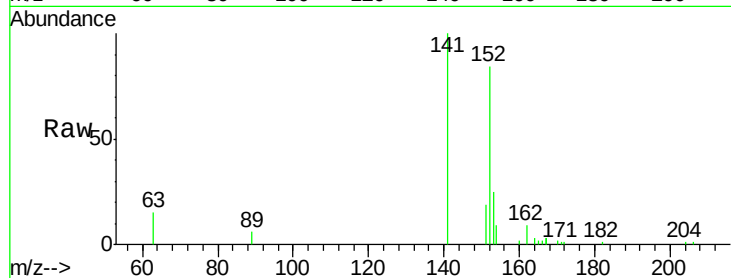




#16
Acenaphthylene
Concen: 0.397 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

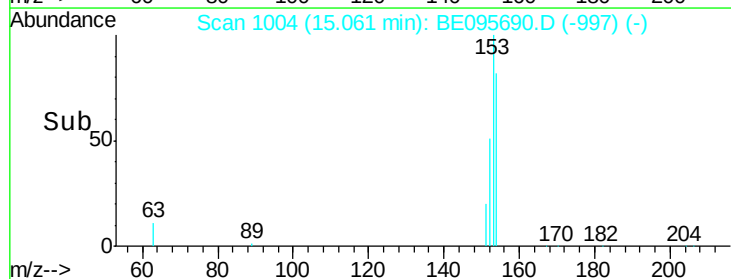
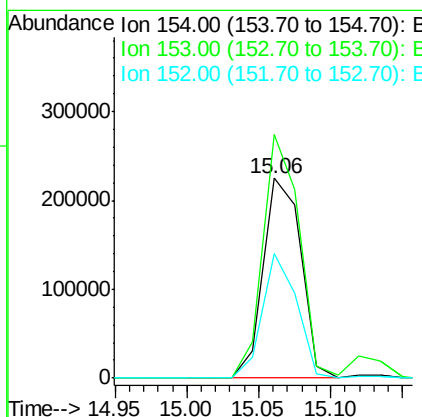
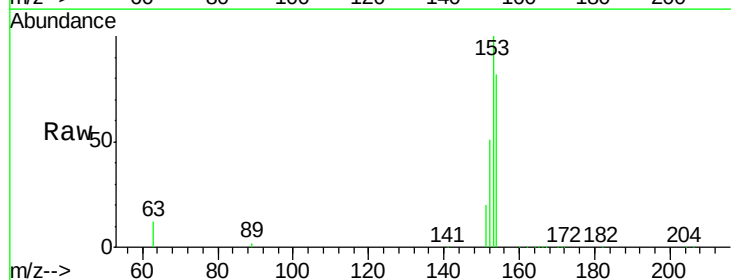
Instrument :
BNA_E
ClientSampleId :

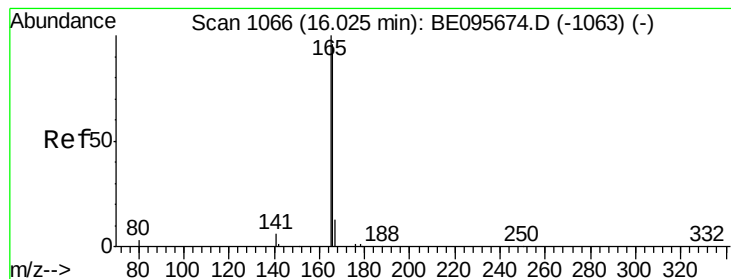
Tot Ion:152 Resp: 7661
Ion Ratio Lower Upper
152 100
151 23.6 15.7 23.5#
153 34.0 10.5 15.7#



#17
Acenaphthene
Concen: 33.999 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095690.D
Acq: 26 Feb 2018 15:55

Tgt Ion:154 Resp: 412461
Ion Ratio Lower Upper
154 100
153 117.1 89.2 133.8
152 57.2 42.0 63.0





#18

Fluorene

Concen: 19.506 ng

RT: 16.02 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

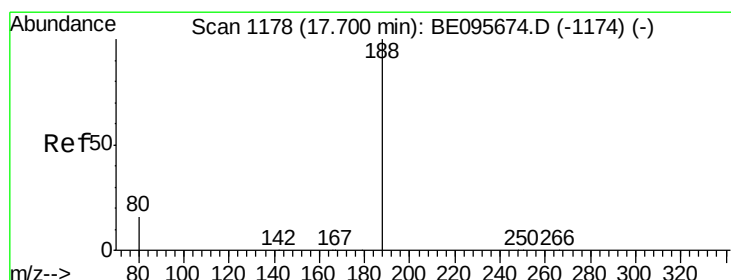
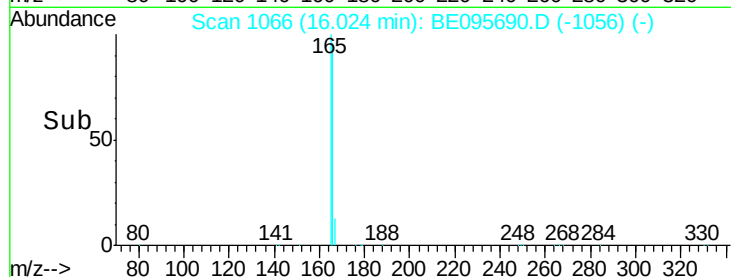
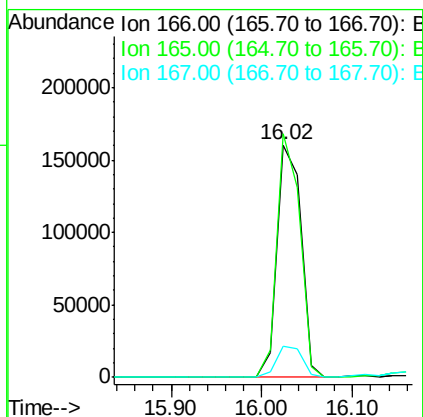
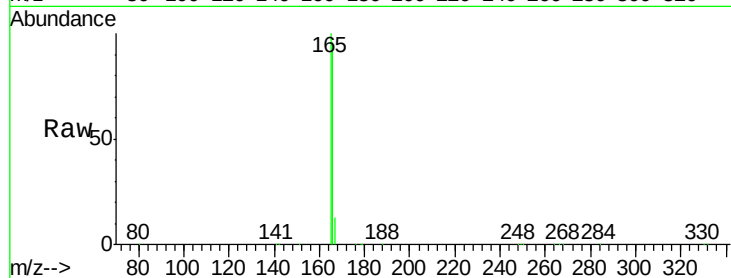
Tot Ion:166 Resp: 293467

Ion Ratio Lower Upper

166 100

165 99.5 77.8 116.6

167 14.4 42.4 63.6#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

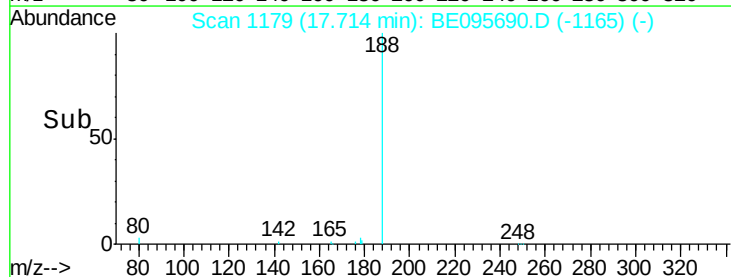
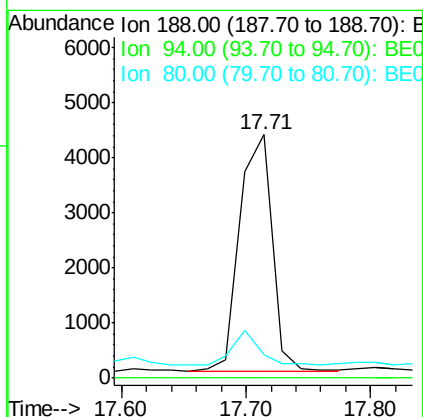
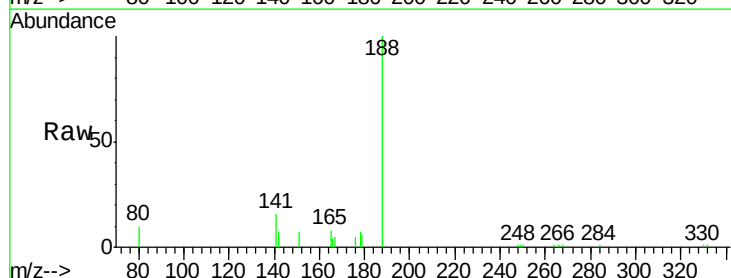
Tgt Ion:188 Resp: 7741

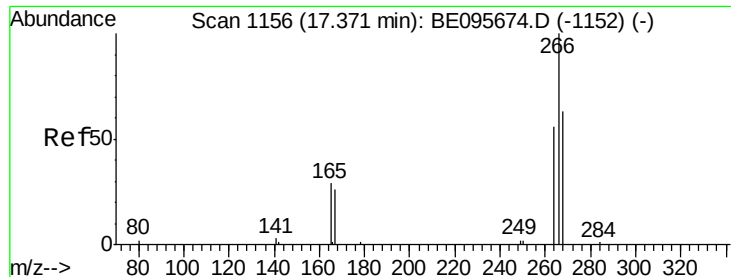
Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 9.8 3.6 5.4#

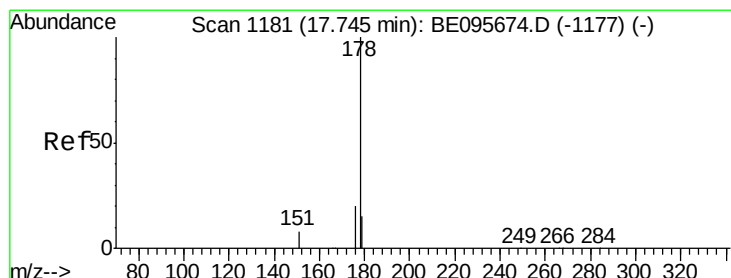
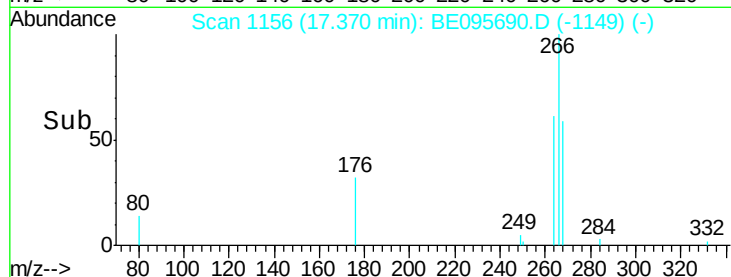
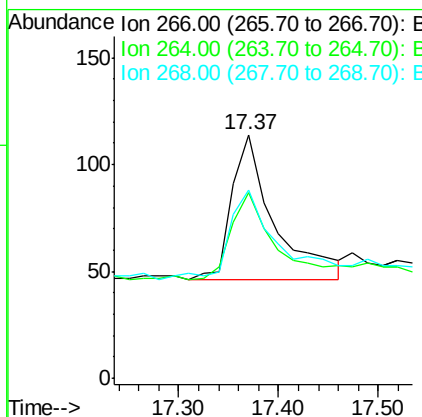
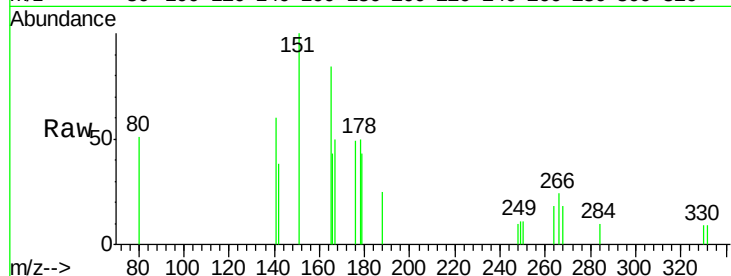




#22
 Pentachlorophenol
 Concen: 0.288 ng
 RT: 17.37 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

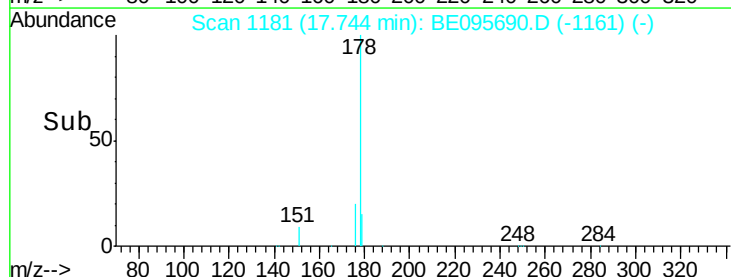
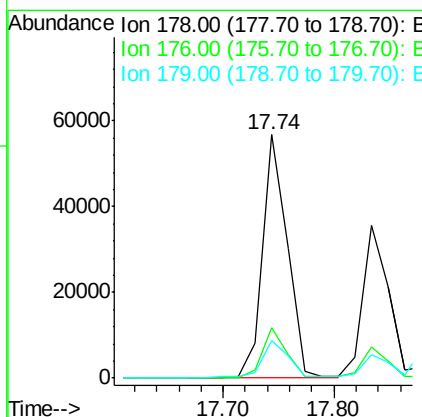
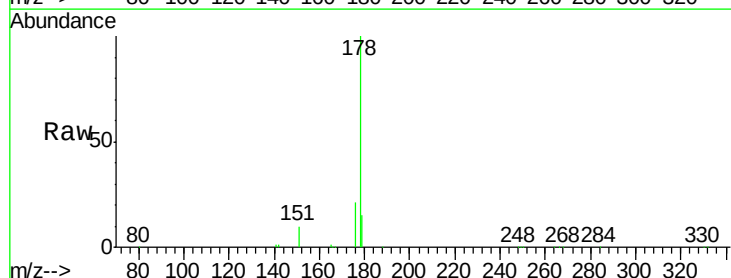
Instrument :
 BNA_E
 ClientSampled :

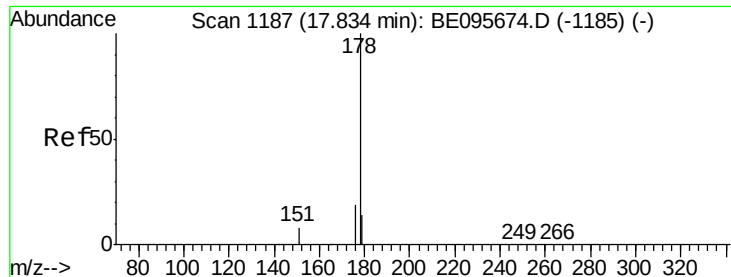
Tot Ion:266 Resp: 202
 Ion Ratio Lower Upper
 266 100
 264 76.3 72.5 108.7
 268 77.2 73.8 110.6



#23
 Phenanthrene
 Concen: 3.581 ng
 RT: 17.74 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Tgt Ion:178 Resp: 86649
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.1 22.7
 179 16.0 11.8 17.6





#24

Anthracene

Concen: 2.608 ng

RT: 17.83 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

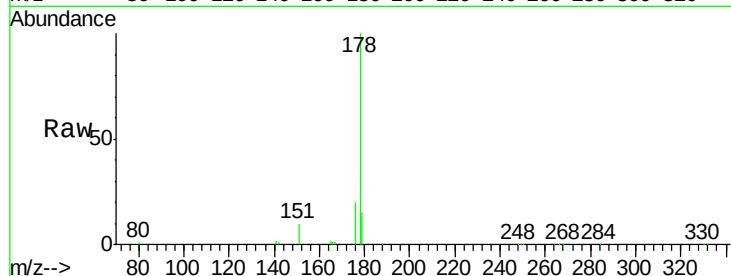
Tot Ion:178 Resp: 57947

Ion Ratio Lower Upper

178 100

176 19.6 12.8 19.2#

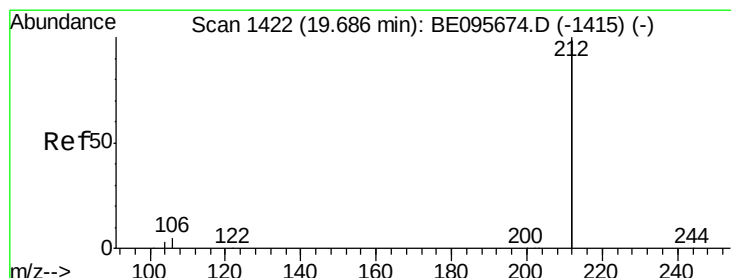
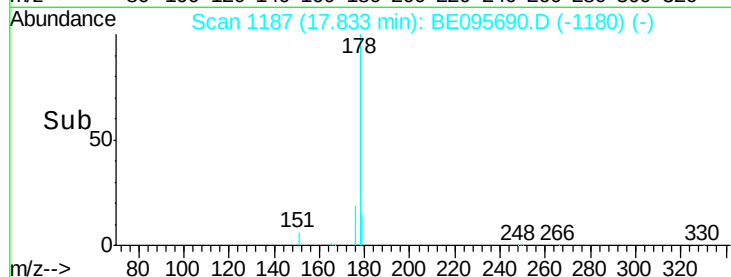
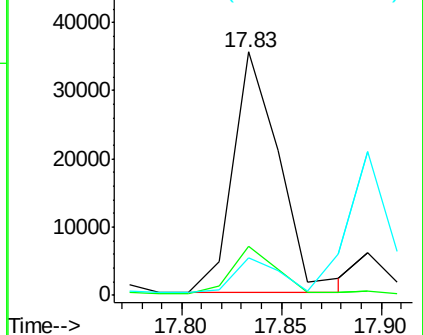
179 14.0 13.0 19.6



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



#25

Fluoranthene-d10

Concen: 0.152 ng

RT: 19.68 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

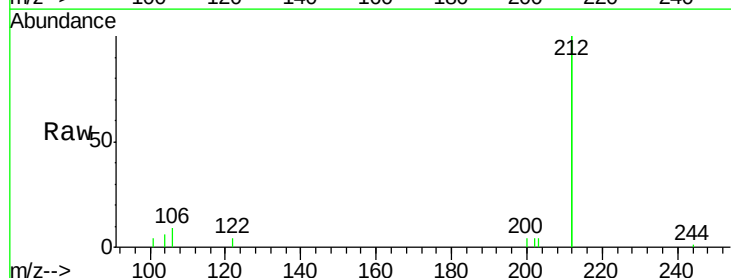
Tgt Ion:212 Resp: 15396

Ion Ratio Lower Upper

212 100

106 3.8 2.8 4.2

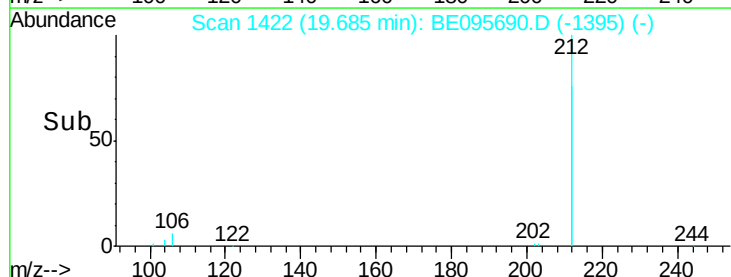
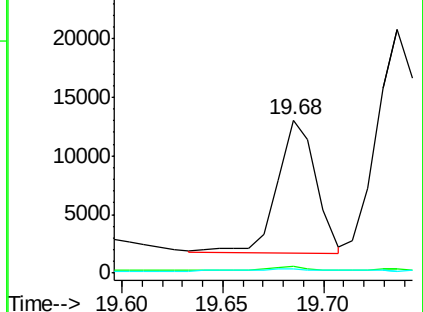
104 2.8 1.6 2.4#

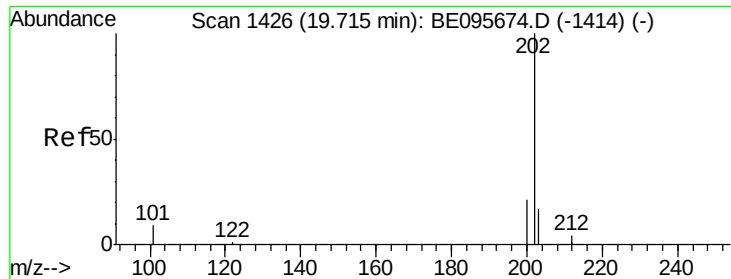


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

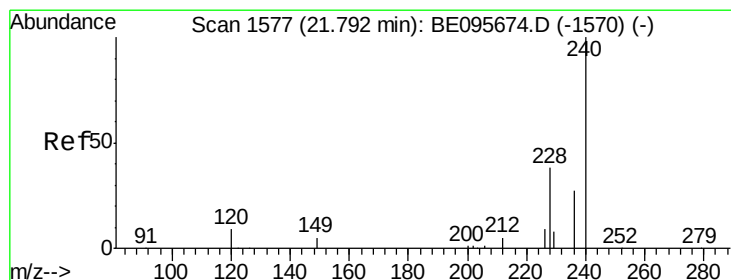
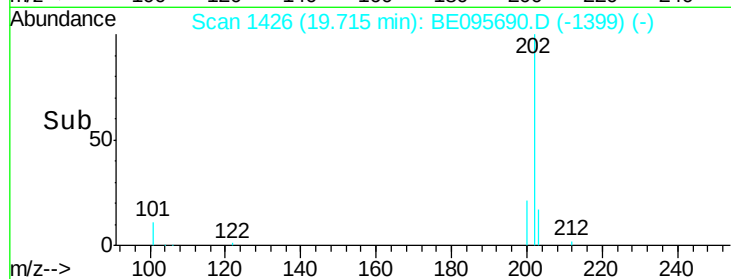
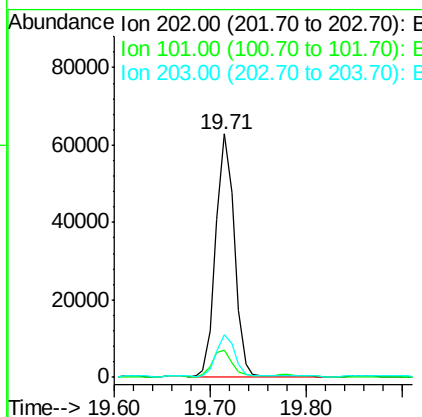
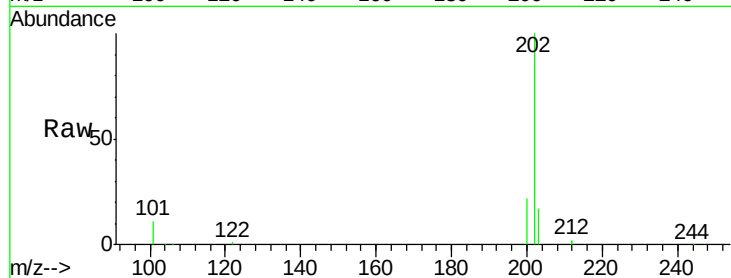




#26
 Fluoranthene
 Concen: 2.770 ng
 RT: 19.71 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

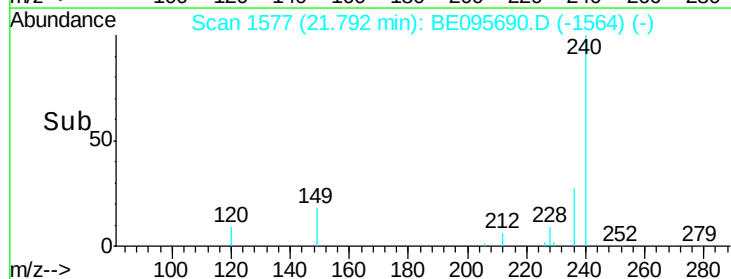
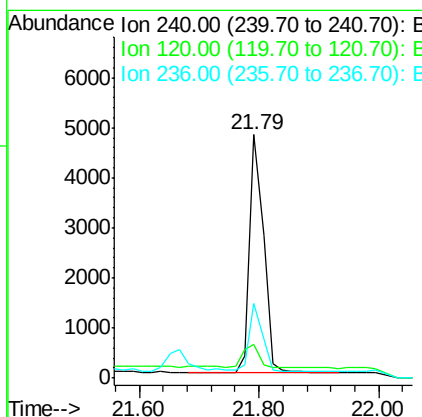
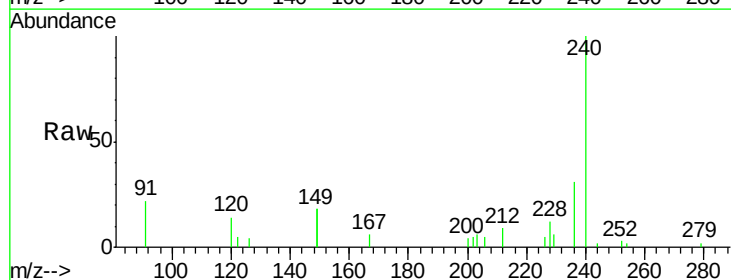
Instrument :
 BNA_E
 ClientSampleId :

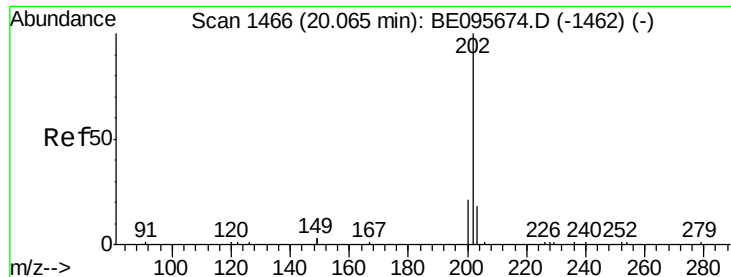
Tot Ion:202 Resp: 82482
 Ion Ratio Lower Upper
 202 100
 101 11.5 9.8 14.8
 203 17.1 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.79 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Tgt Ion:240 Resp: 7681
 Ion Ratio Lower Upper
 240 100
 120 13.7 5.5 8.3#
 236 30.5 20.7 31.1

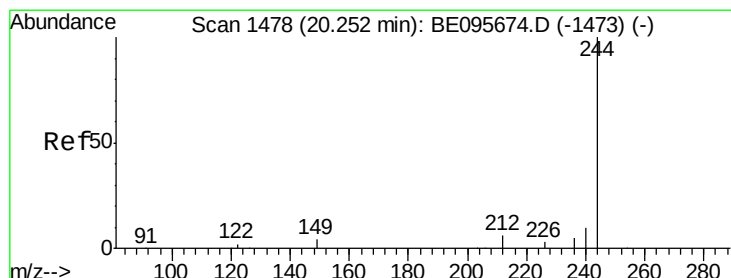
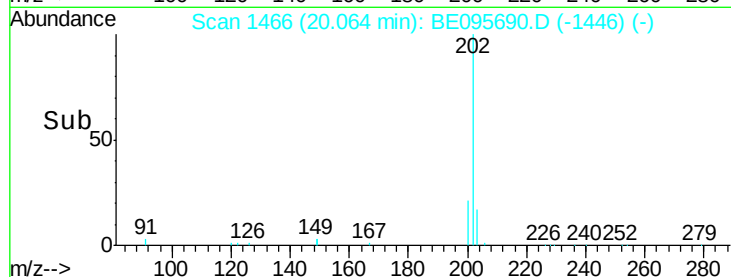
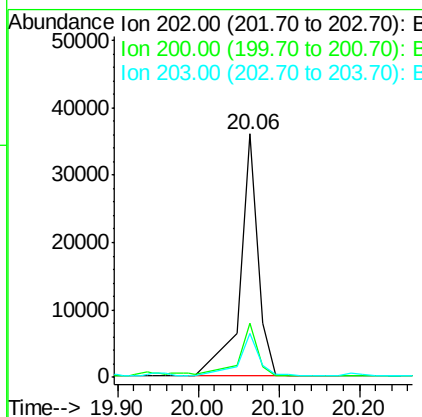
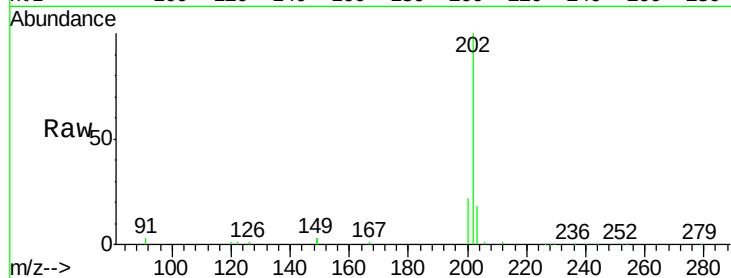




#28
 Pvrene
 Concen: 1.785 ng
 RT: 20.06 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

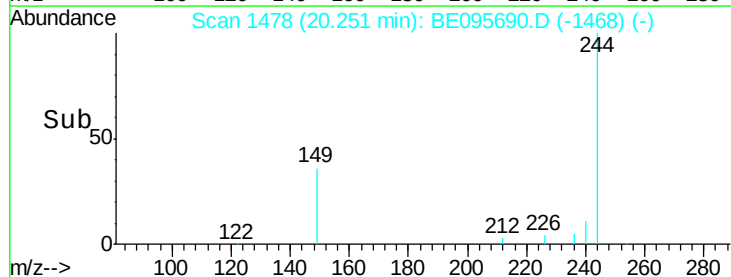
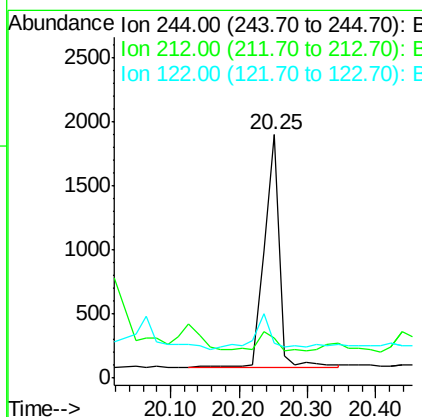
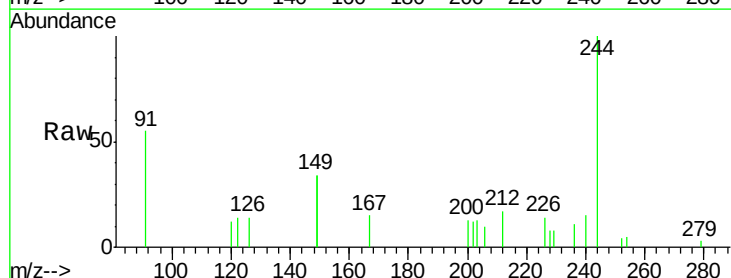
Instrument :
 BNA_E
 ClientSampleId :

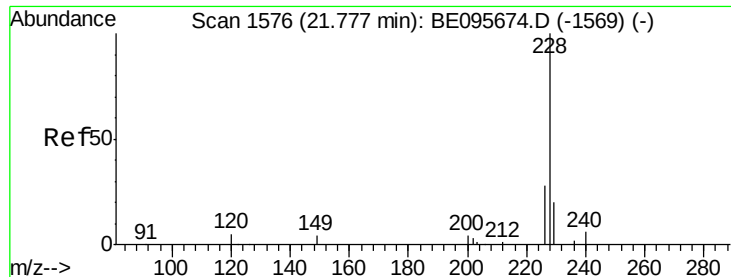
Tot Ion:202 Resp: 56083
 Ion Ratio Lower Upper
 202 100
 200 22.2 16.6 25.0
 203 19.4 13.8 20.8



#29
 Terphenyl-d14
 Concen: 0.183 ng
 RT: 20.25 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: BE095690.D
 Acq: 26 Feb 2018 15:55

Tgt Ion:244 Resp: 2798
 Ion Ratio Lower Upper
 244 100
 212 16.6 25.4 38.0#
 122 14.4 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 0.090 ng

RT: 21.78 min Scan# 1576

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

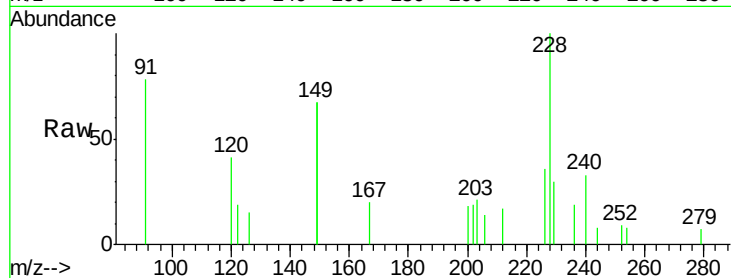
Tot Ion:228 Resp: 2243

Ion Ratio Lower Upper

228 100

226 36.0 24.0 36.0

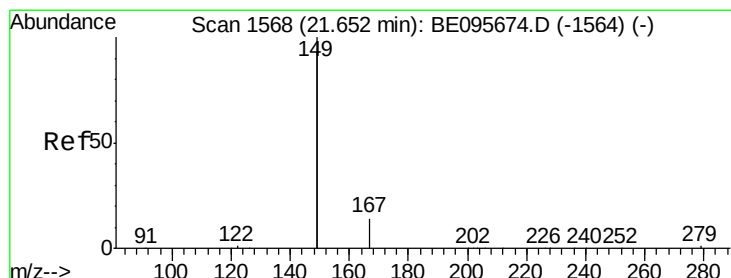
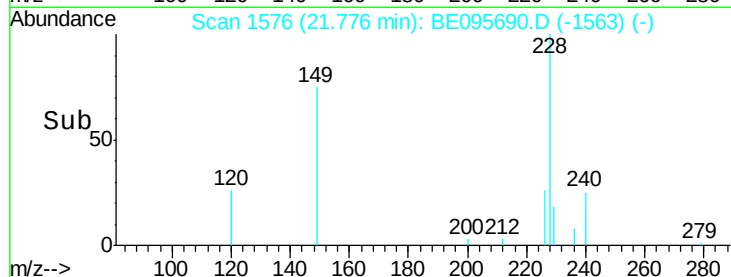
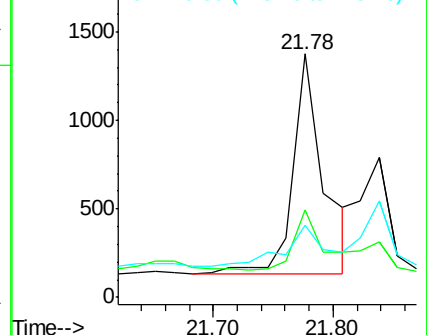
229 29.8 16.0 24.0#



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: 0.124 ng

RT: 21.65 min Scan# 1568

Delta R.T. -0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

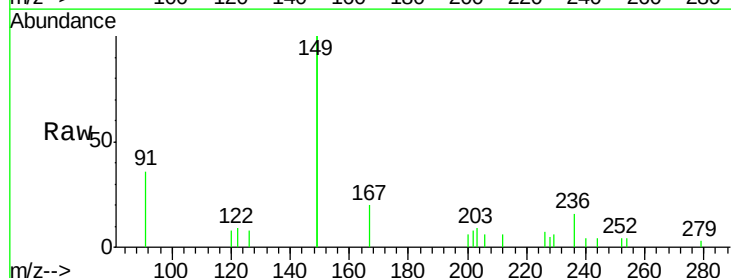
Tgt Ion:149 Resp: 5503

Ion Ratio Lower Upper

149 100

167 10.7 5.4 8.0#

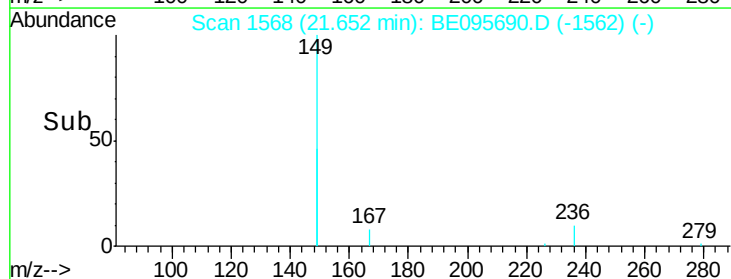
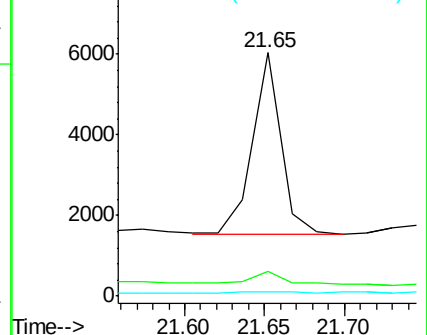
279 1.3 0.7 1.1#

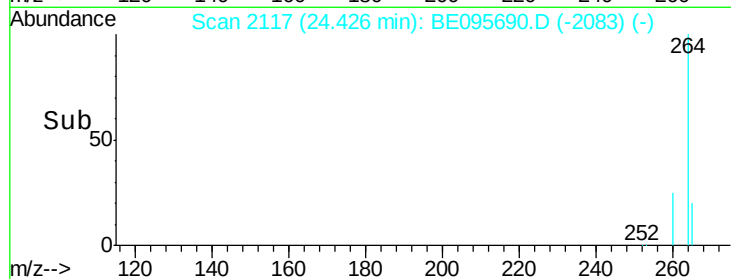
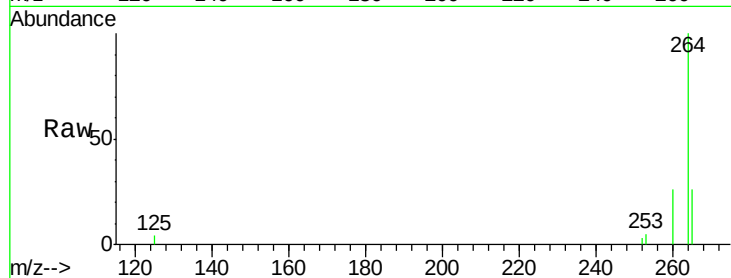
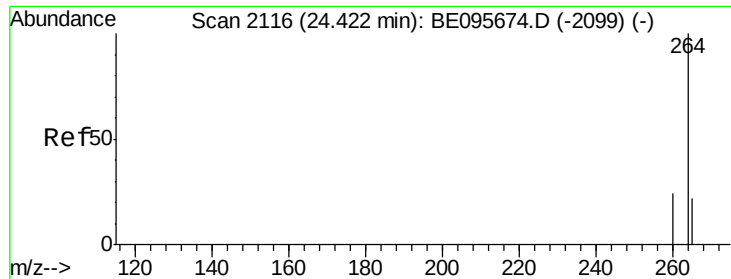


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 24.43 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE095690.D

Acq: 26 Feb 2018 15:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 7141

Ion Ratio Lower Upper

264 100

260 26.2 20.5 30.7

265 26.5 22.8 34.2

