

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041318\
 Data File : BE095989.D
 Acq On : 13 Apr 2018 10:15
 Operator : SJ/JU
 Sample : PB108058BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB108058BS

Quant Time: Apr 13 14:43:21 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 14:42:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.39	152	1415	0.40	ng	0.00
7) Naphthalene-d8	11.22	136	5154	0.40	ng	0.00
13) Acenaphthene-d10	14.97	164	2611	0.40	ng	0.00
19) Phenanthrene-d10	17.67	188	5682	0.40	ng	0.00
27) Chrysene-d12	21.77	240	6353	0.40	ng	-0.01
34) Perylene-d12	24.39	264	6316	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.88	112	1487	0.34	ng	0.00
5) Phenol-d6	7.53	99	1928	0.32	ng	0.00
8) Nitrobenzene-d5	9.57	82	1910	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.76	152	2334	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.44	330	276	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.61	172	3630	0.32	ng	0.00
25) Fluoranthene-d10	19.66	212	21794	0.28	ng	0.00
29) Terphenyl-d14	20.22	244	4057	0.29	ng	0.00

Target Compounds

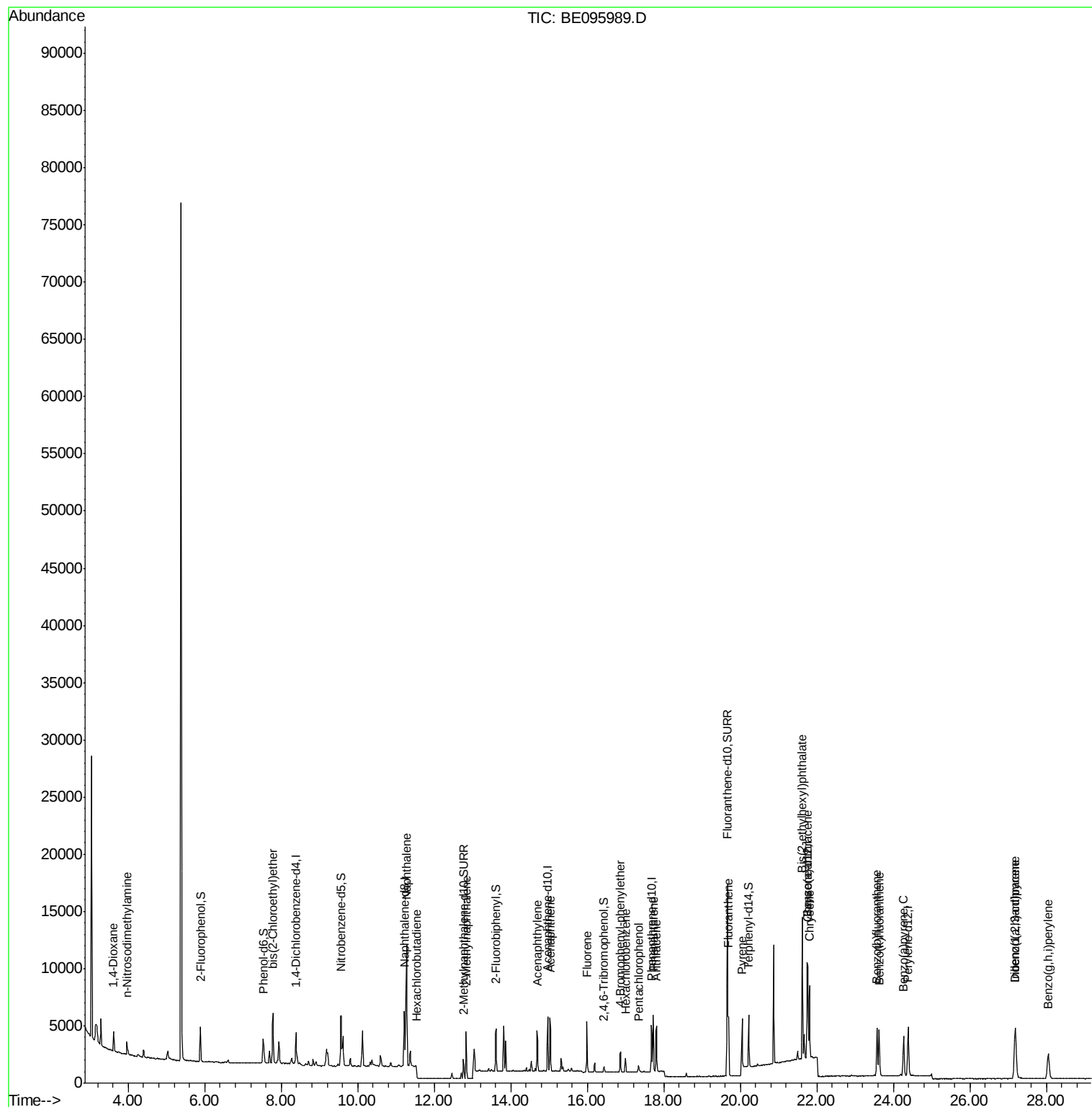
						Qvalue
2) 1,4-Dioxane	3.62	88	1010	0.462	ng	# 84
3) n-Nitrosodimethylamine	3.97	42	815	0.304	ng	89
6) bis(2-Chloroethyl)ether	7.78	93	1470	0.277	ng	99
9) Naphthalene	11.27	128	17065	0.314	ng	100
10) Hexachlorobutadiene	11.53	225	580	0.241	ng	92
12) 2-Methylnaphthalene	12.83	142	2782	0.309	ng	96
16) Acenaphthylene	14.69	152	3994	0.286	ng	99
17) Acenaphthene	15.03	154	2393	0.286	ng	94
18) Fluorene	15.99	166	3018	0.291	ng	# 78
20) 4-Bromophenyl-phenylether	16.87	248	938	0.278	ng	# 82
21) Hexachlorobenzene	17.00	284	978	0.291	ng	# 80
22) Pentachlorophenol	17.33	266	306	0.333	ng	# 82
23) Phenanthrene	17.72	178	4857	0.304	ng	98
24) Anthracene	17.81	178	4714	0.309	ng	# 95
26) Fluoranthene	19.69	202	6222	0.297	ng	97
28) Pyrene	20.05	202	2562	0.205	ng	# 92
30) Benzo(a)anthracene	21.75	228	6321	0.310	ng	97
31) Chrysene	21.81	228	6107	0.310	ng	99
32) Bis(2-ethylhexyl)phthalate	21.62	149	15164	0.288	ng	99
33) Indeno(1,2,3-cd)pyrene	27.18	276	6494	0.340	ng	95
35) Benzo(b)fluoranthene	23.57	252	6152	0.325	ng	# 92
36) Benzo(k)fluoranthene	23.63	252	5918	0.304	ng	# 91
37) Benzo(a)pyrene	24.26	252	5788	0.318	ng	# 92
38) Dibenzo(a,h)anthracene	27.19	278	5188	0.323	ng	97
39) Benzo(g,h,i)perylene	28.05	276	5647	0.333	ng	# 92

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

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Quant Time: Apr 13 14:43:21 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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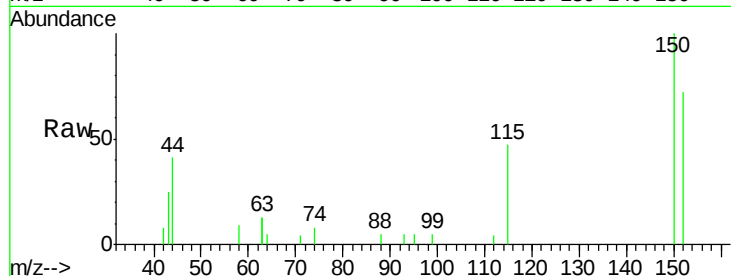


#1

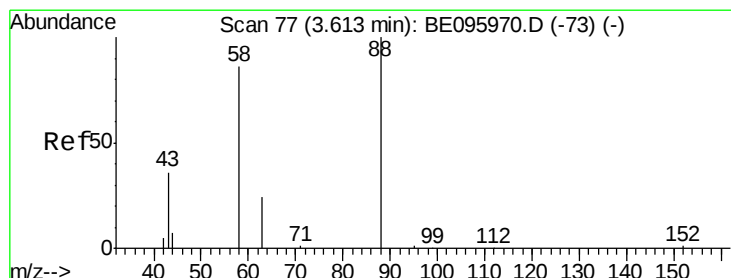
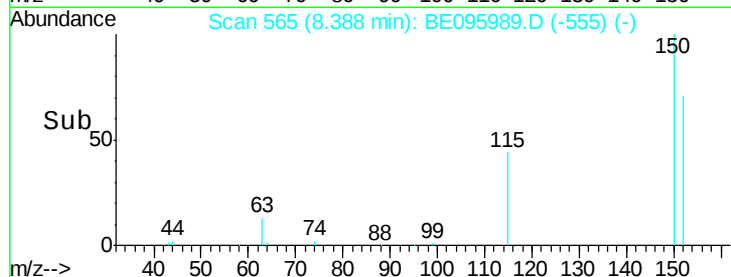
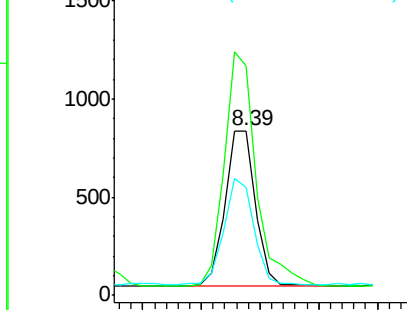
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.39 min Scan# 565
Delta R.T. 0.00 min
Lab File: BE095989.D
Acq: 13 Apr 2018 10:15

Instrument :
BNA_E
ClientSampleId :
PB108058BS

Tgt Ion: 152 Resp: 1415
Ion Ratio Lower Upper
152 100
150 139.3 117.2 175.8
115 65.4 57.0 85.6



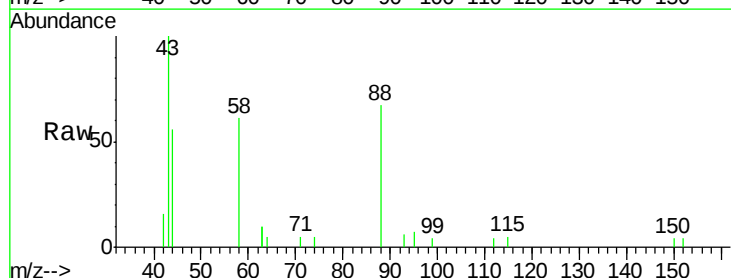
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



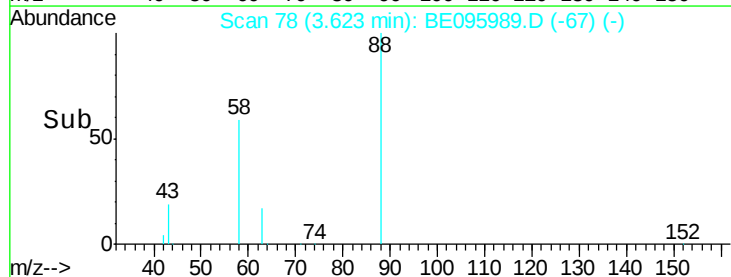
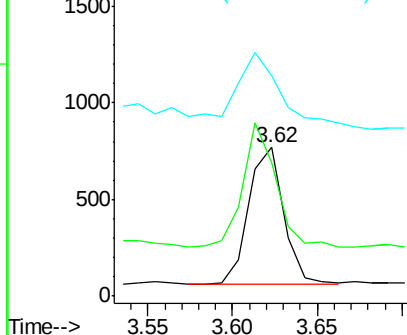
#2

1,4-Dioxane
Concen: 0.462 ng
RT: 3.62 min Scan# 78
Delta R.T. 0.01 min
Lab File: BE095989.D
Acq: 13 Apr 2018 10:15

Tgt Ion: 88 Resp: 1010
Ion Ratio Lower Upper
88 100
58 86.5 63.2 94.8
43 71.2 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



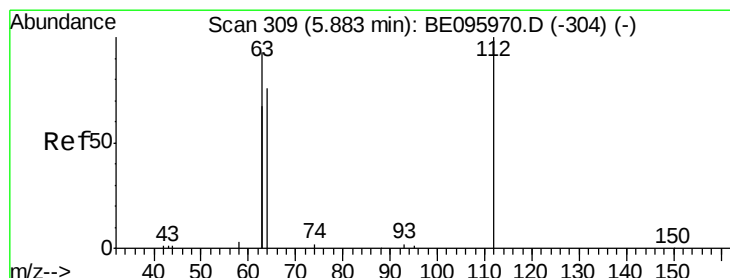
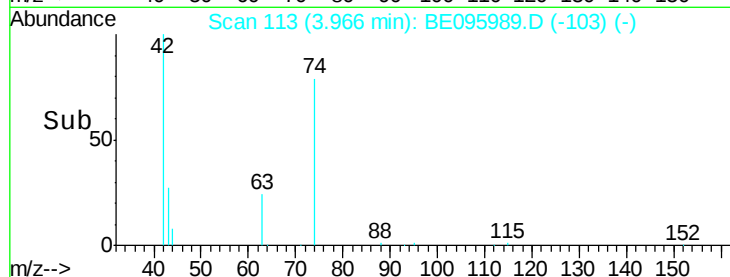
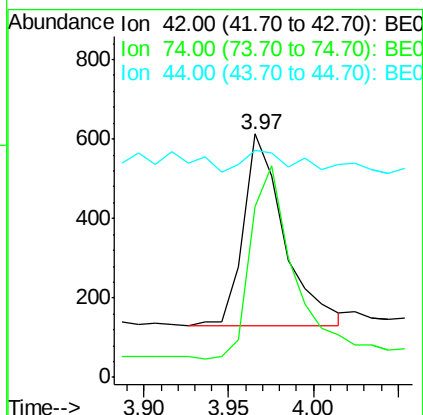
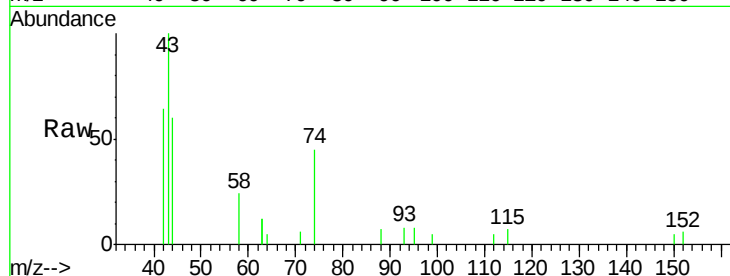


#3

n-Nitrosodimethylamine
 Concen: 0.304 ng
 RT: 3.97 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: BE095989.D
 Acq: 13 Apr 2018 10:15

Instrument :
 BNA_E
 ClientSampleId :
 PB108058BS

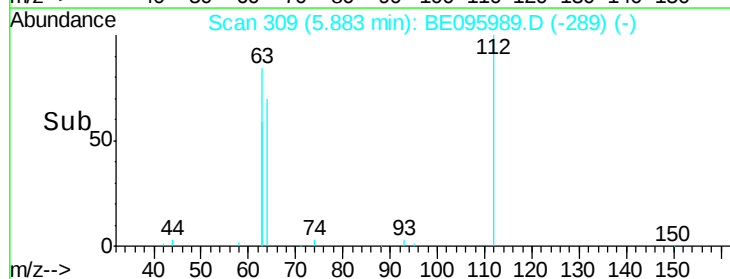
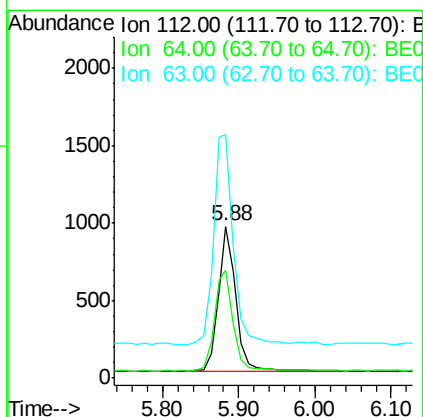
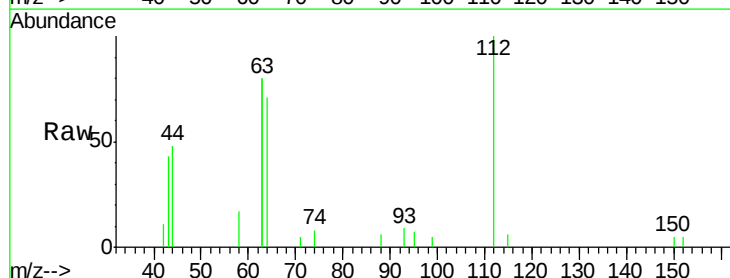
Tgt Ion: 42 Resp: 815
 Ion Ratio Lower Upper
 42 100
 74 106.5 96.0 144.0
 44 14.0 12.0 18.0

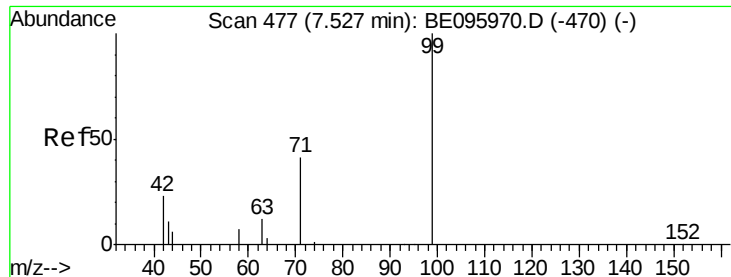


#4

2-Fluorophenol
 Concen: 0.340 ng
 RT: 5.88 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: BE095989.D
 Acq: 13 Apr 2018 10:15

Tgt Ion: 112 Resp: 1487
 Ion Ratio Lower Upper
 112 100
 64 76.7 60.1 90.1
 63 165.0 116.8 175.2





#5

Phenol-d6

Concen: 0.319 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

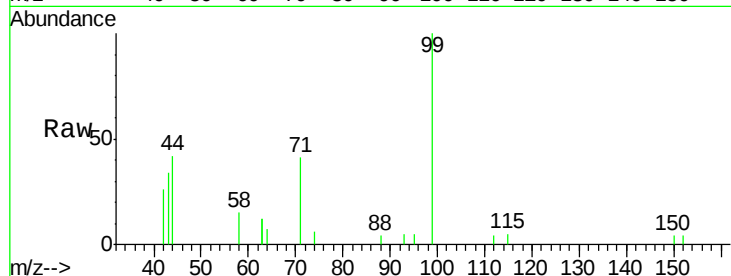
Tgt Ion: 99 Resp: 1928

Ion Ratio Lower Upper

99 100

42 27.6 20.2 30.2

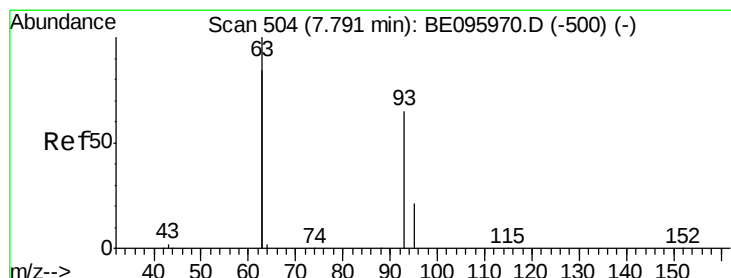
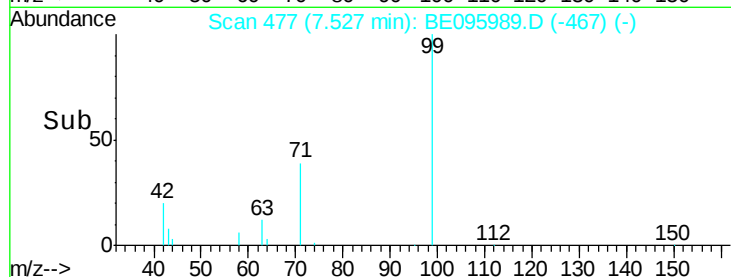
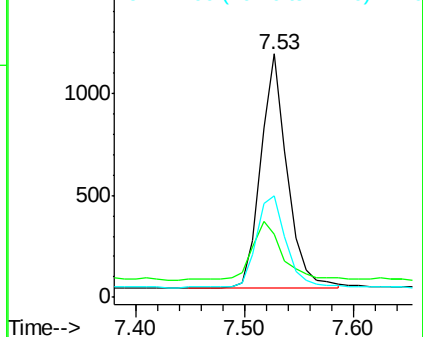
71 43.7 28.4 42.6#



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



#6

bis(2-Chloroethyl)ether

Concen: 0.277 ng

RT: 7.78 min Scan# 503

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

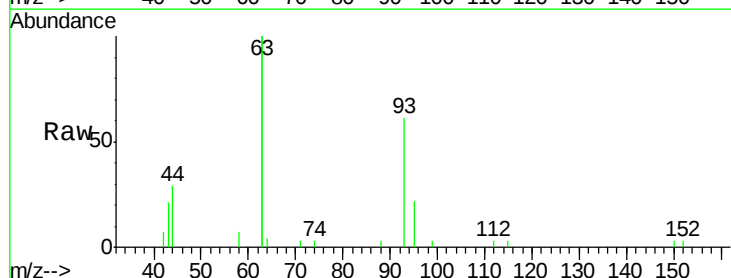
Tgt Ion: 93 Resp: 1470

Ion Ratio Lower Upper

93 100

63 345.2 275.3 412.9

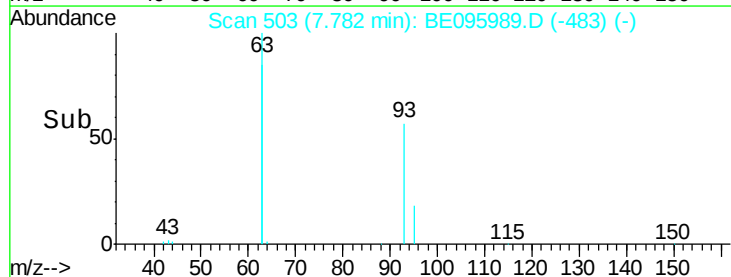
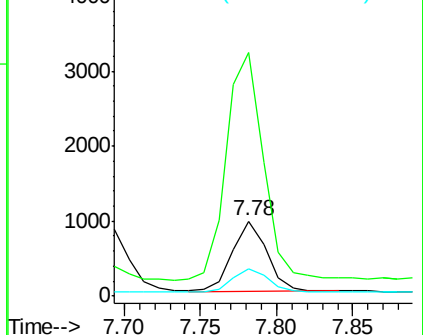
95 33.7 25.2 37.8



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: 11.22 min Scan# 781

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

Tgt Ion:136 Resp: 5154

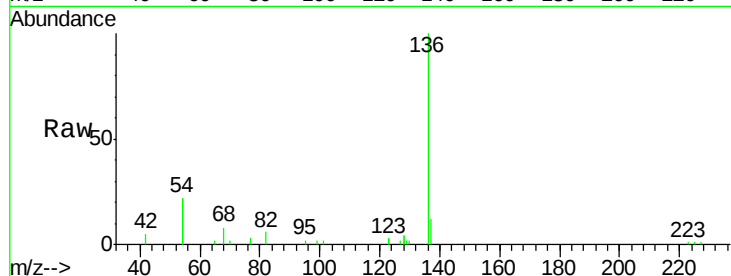
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 43.4 29.1 43.7

68 7.9 6.2 9.2

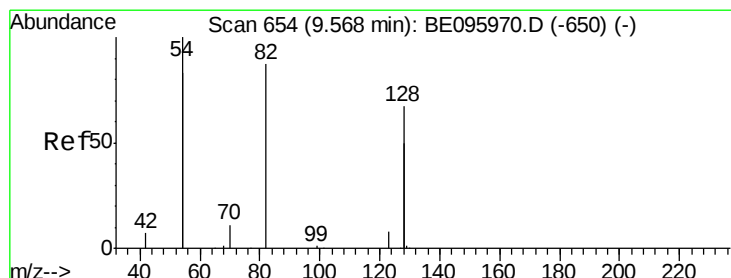
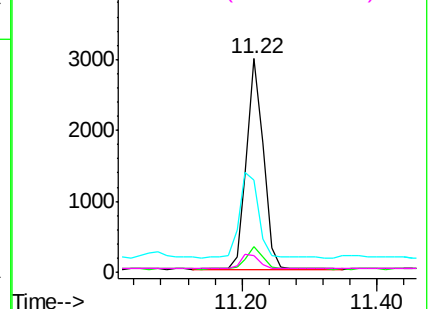
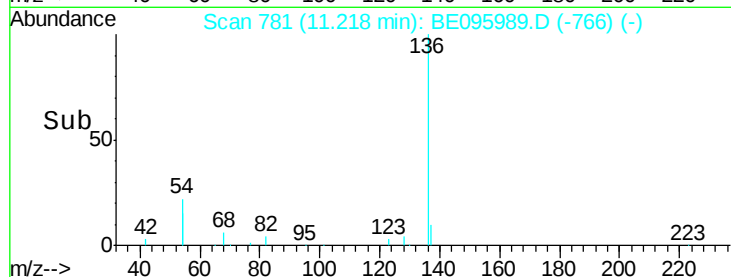


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.316 ng

RT: 9.57 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

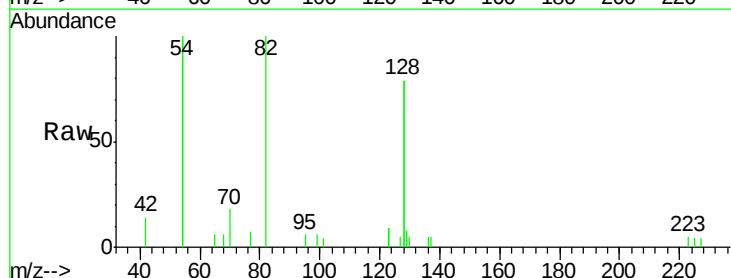
Tgt Ion: 82 Resp: 1910

Ion Ratio Lower Upper

82 100

128 157.1 150.0 225.0

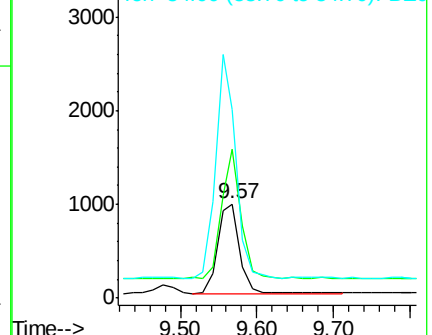
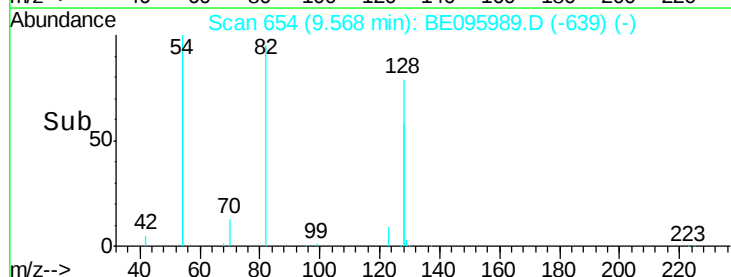
54 199.8 154.2 231.4



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: 0.314 ng

RT: 11.27 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

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ClientSampleId :

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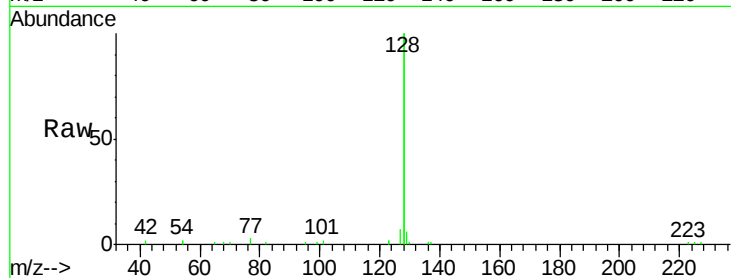
Tgt Ion:128 Resp: 17065

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

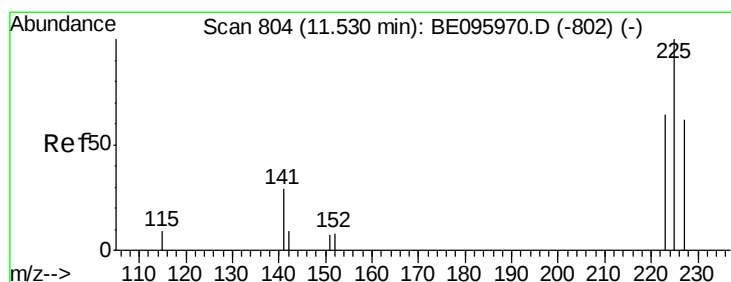
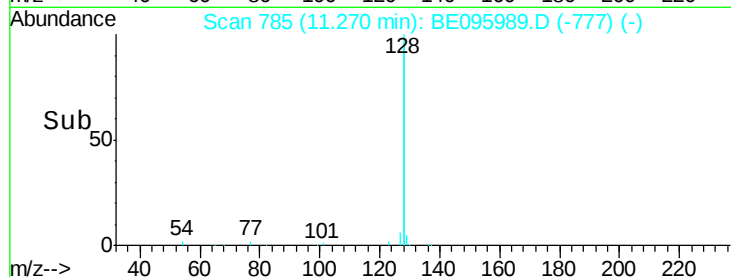
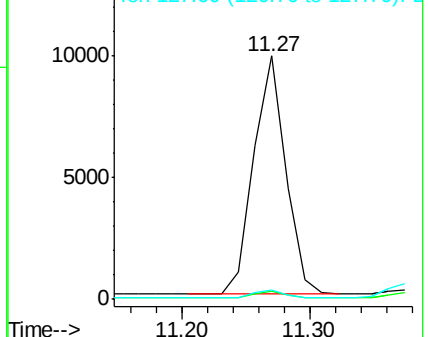
127 3.7 2.8 4.2



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: 0.241 ng

RT: 11.53 min Scan# 804

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

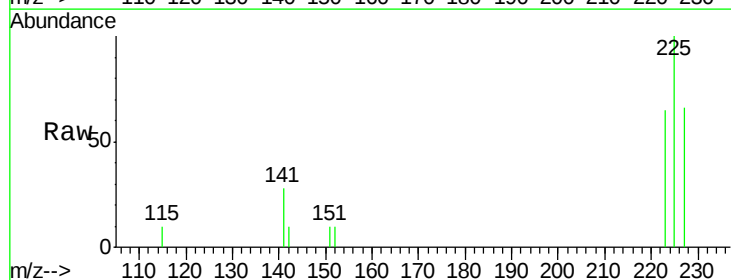
Tgt Ion:225 Resp: 580

Ion Ratio Lower Upper

225 100

223 60.0 53.0 79.6

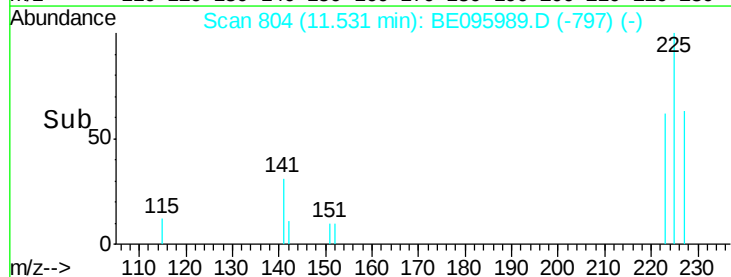
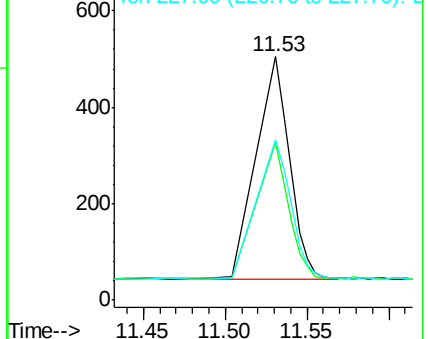
227 70.3 51.4 77.2

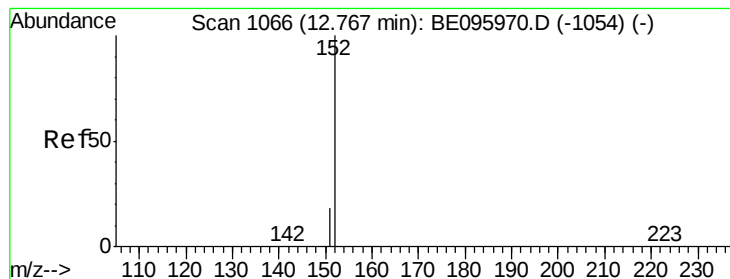


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.286 ng

RT: 12.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

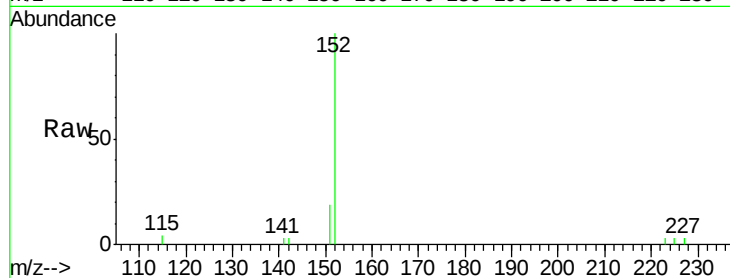
PB108058BS

Tgt Ion:152 Resp: 2334

Ion Ratio Lower Upper

152 100

151 19.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.76

1500

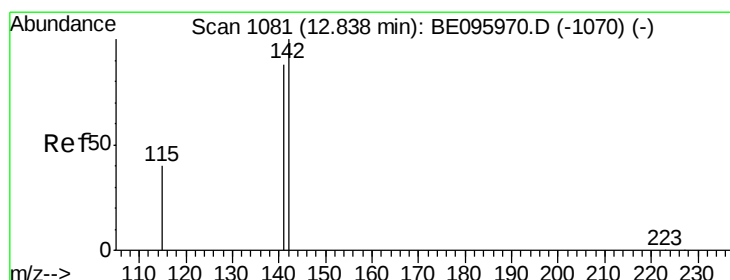
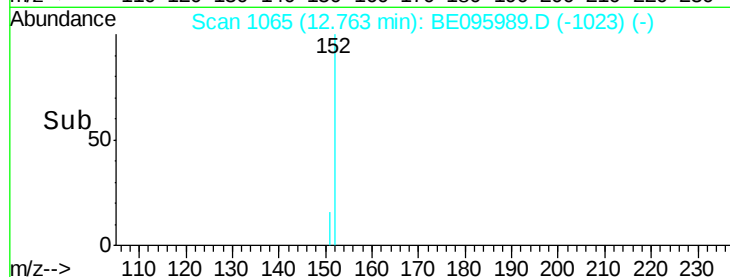
1000

500

0

Time-->

12.70 12.75 12.80



#12

2-Methylnaphthalene

Concen: 0.309 ng

RT: 12.83 min Scan# 1080

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

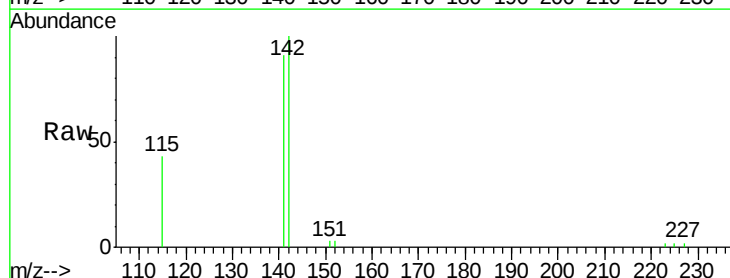
Tgt Ion:142 Resp: 2782

Ion Ratio Lower Upper

142 100

141 90.9 70.4 105.6

115 43.2 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

2500

2000

1500

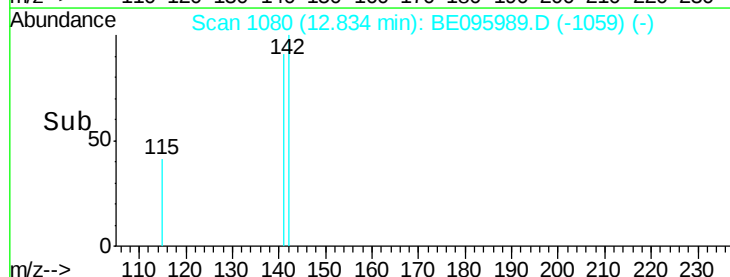
1000

500

0

Time-->

12.75 12.80 12.85 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.97 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

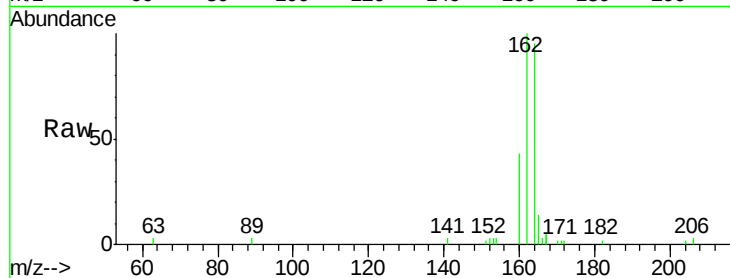
Tgt Ion:164 Resp: 2611

Ion Ratio Lower Upper

164 100

162 105.3 83.1 124.7

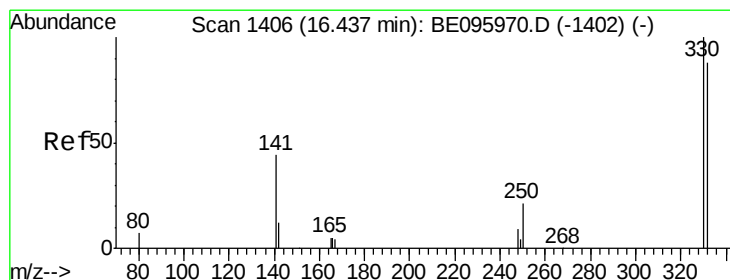
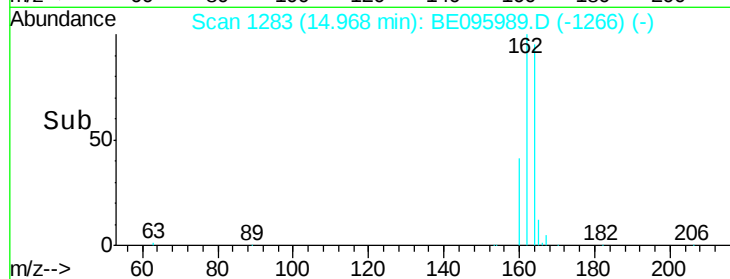
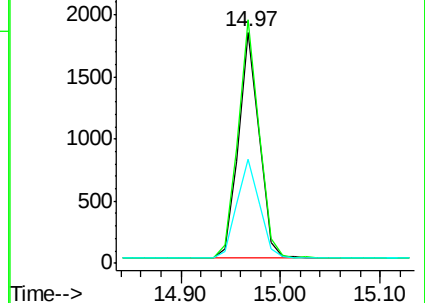
160 45.0 37.1 55.7



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: 0.219 ng

RT: 16.44 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

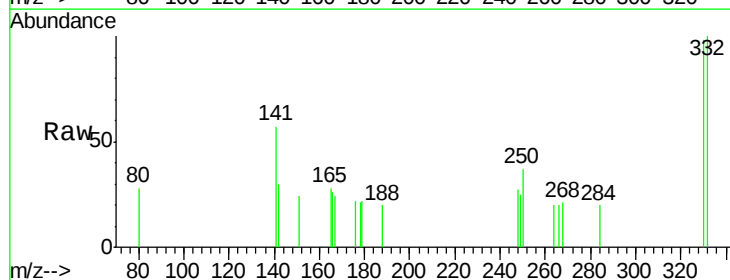
Tgt Ion:330 Resp: 276

Ion Ratio Lower Upper

330 100

332 102.5 152.7 229.1#

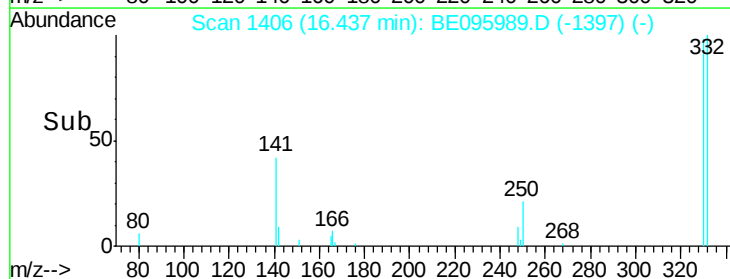
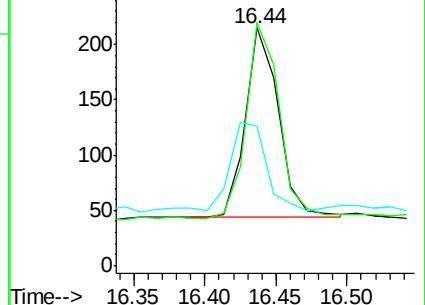
141 51.1 33.7 50.5#

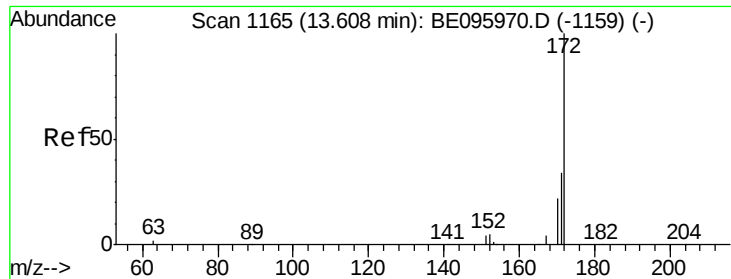


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

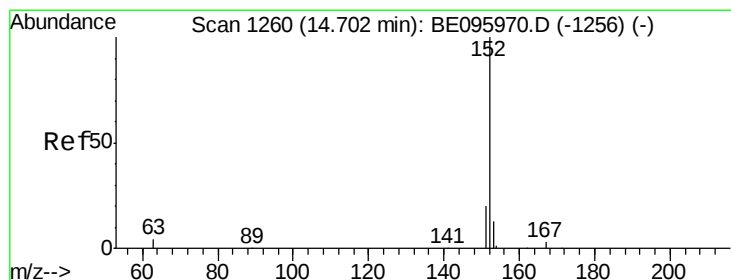
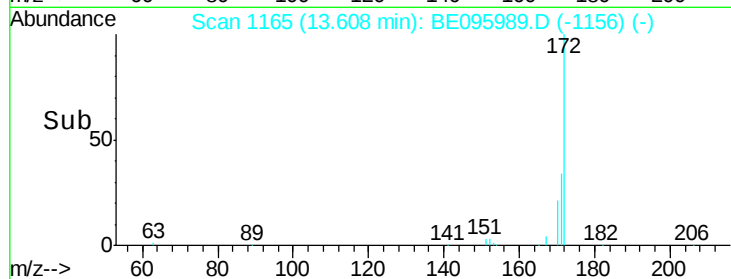
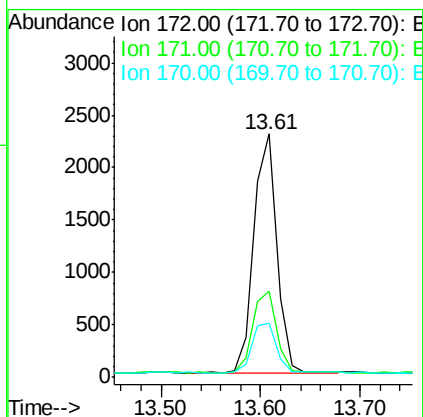
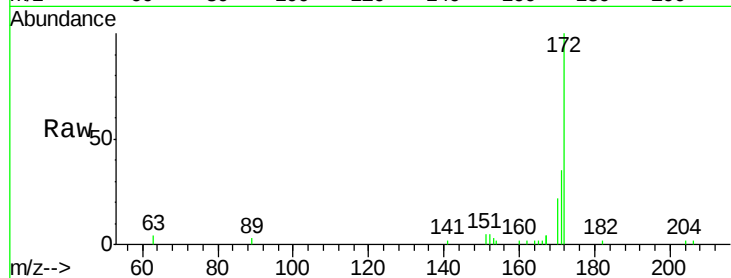




#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.61 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BE095989.D
Acq: 13 Apr 2018 10:15

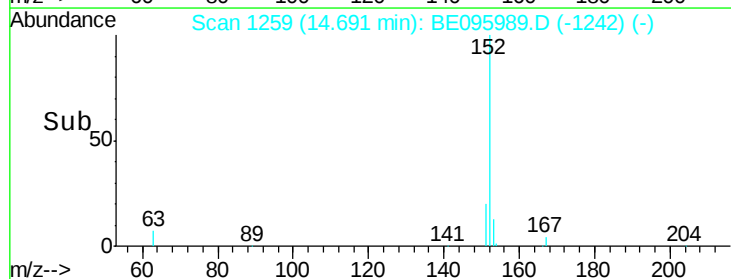
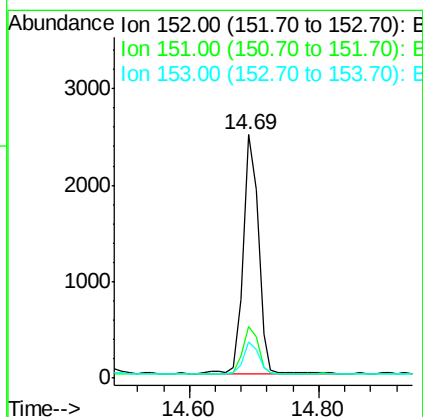
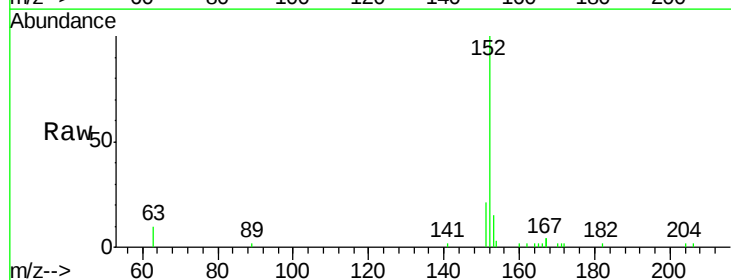
Instrument :
BNA_E
ClientSampleId :
PB108058BS

Tgt Ion:172 Resp: 3630
Ion Ratio Lower Upper
172 100
171 35.2 29.9 44.9
170 22.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.286 ng
RT: 14.69 min Scan# 1259
Delta R.T. 0.00 min
Lab File: BE095989.D
Acq: 13 Apr 2018 10:15

Tgt Ion:152 Resp: 3994
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.286 ng

RT: 15.03 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

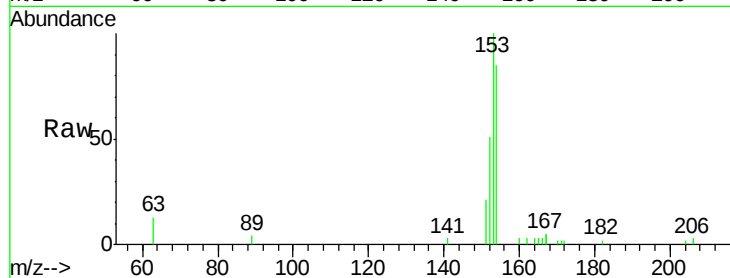
Tgt Ion:154 Resp: 2393

Ion Ratio Lower Upper

154 100

153 117.3 89.2 133.8

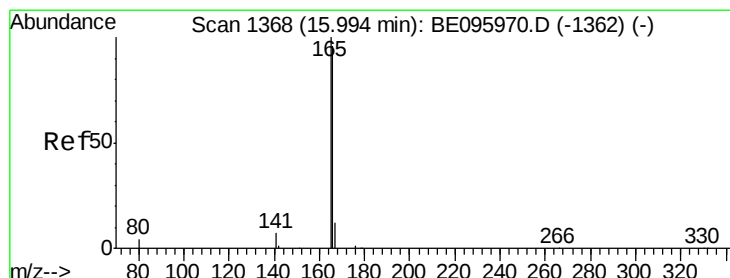
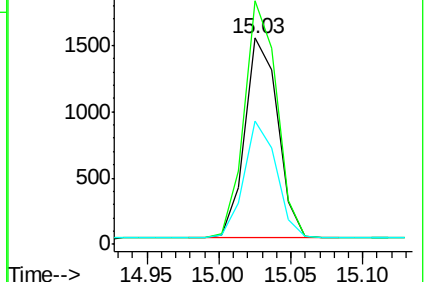
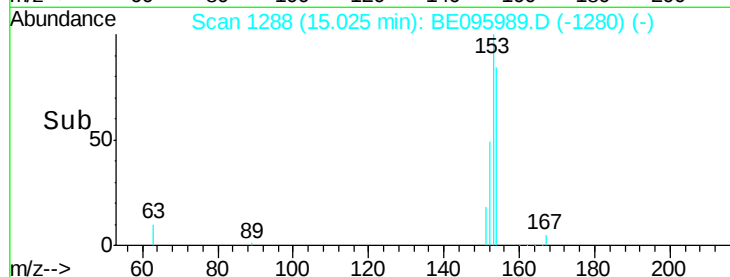
152 57.7 42.0 63.0



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: 0.291 ng

RT: 15.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

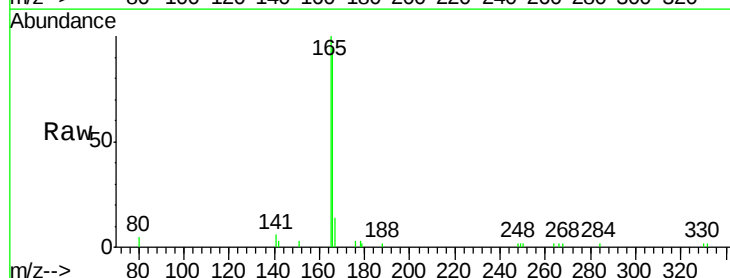
Tgt Ion:166 Resp: 3018

Ion Ratio Lower Upper

166 100

165 100.5 77.8 116.6

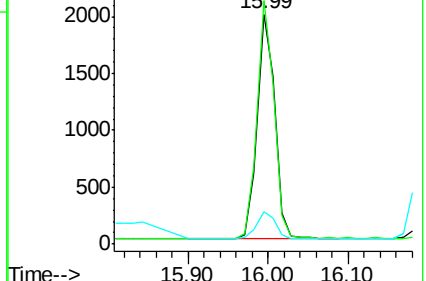
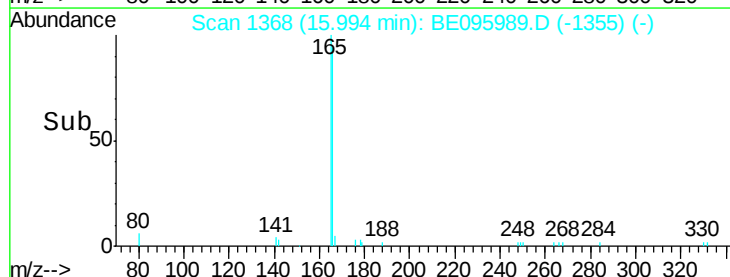
167 12.7 42.4 63.6#

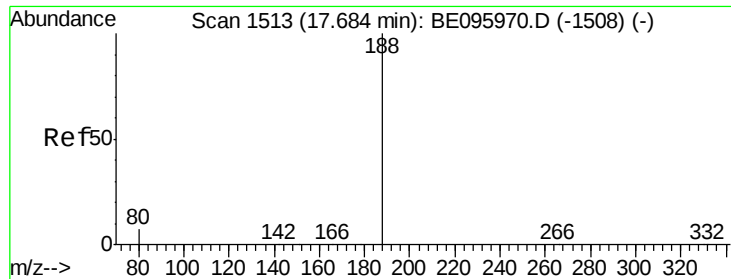


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.67 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

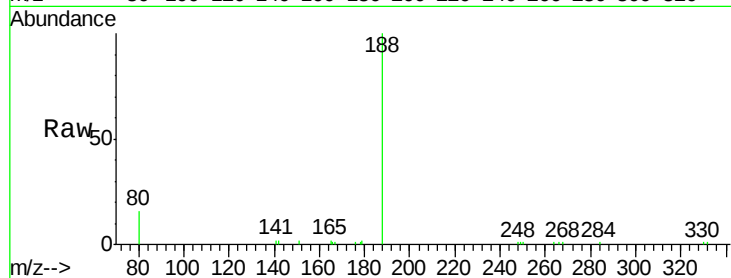
Tgt Ion:188 Resp: 5682

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

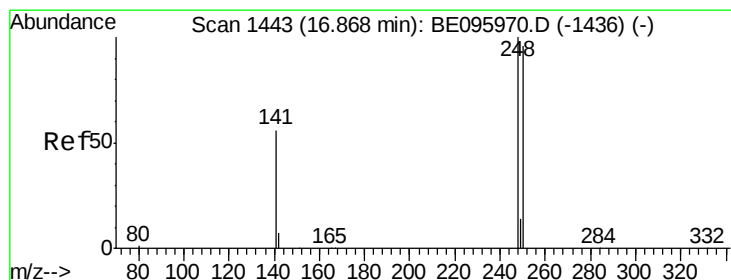
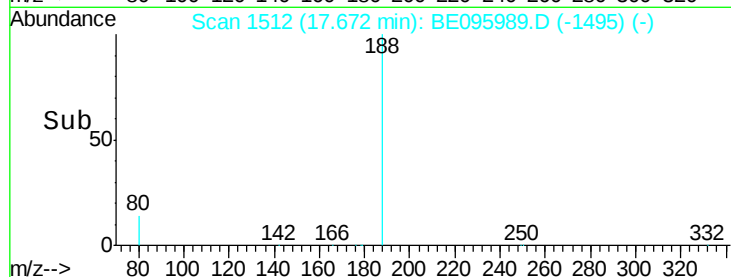
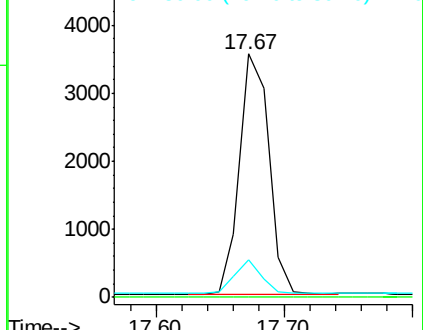
80 15.5 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.278 ng

RT: 16.87 min Scan# 1443

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

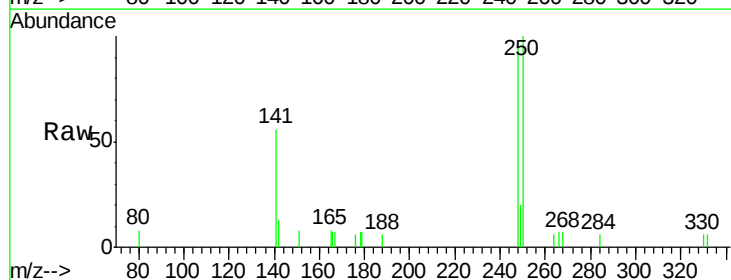
Tgt Ion:248 Resp: 938

Ion Ratio Lower Upper

248 100

250 105.0 62.7 94.1#

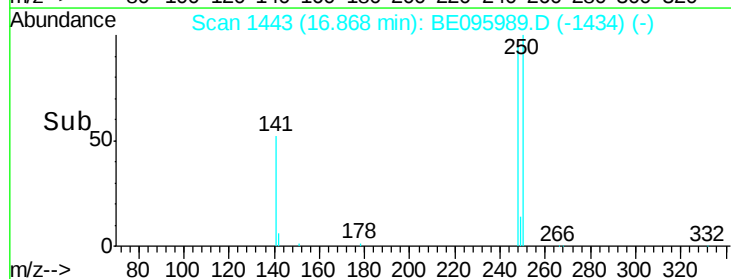
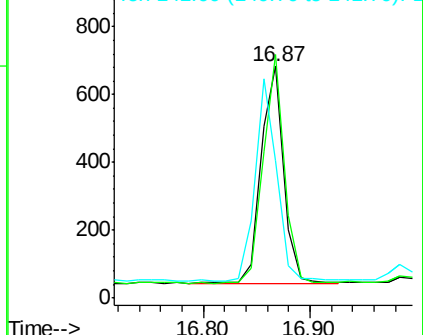
141 59.1 48.2 72.2



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.291 ng

RT: 17.00 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

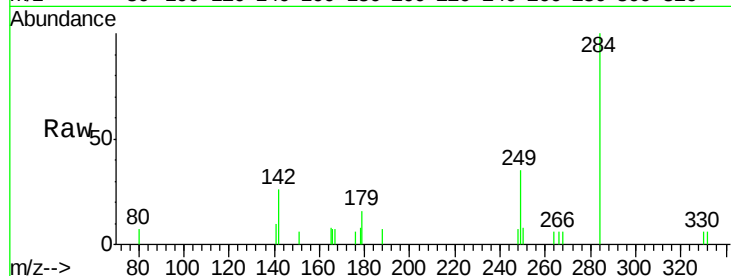
Tgt Ion:284 Resp: 978

Ion Ratio Lower Upper

284 100

142 44.1 22.1 33.1#

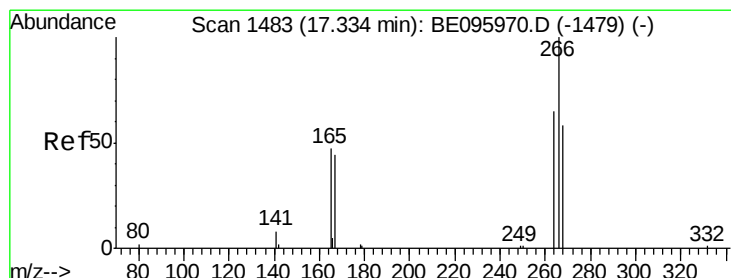
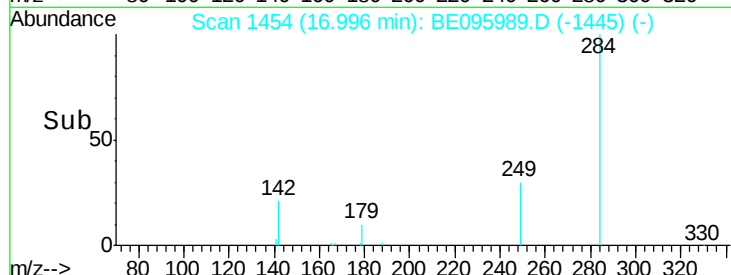
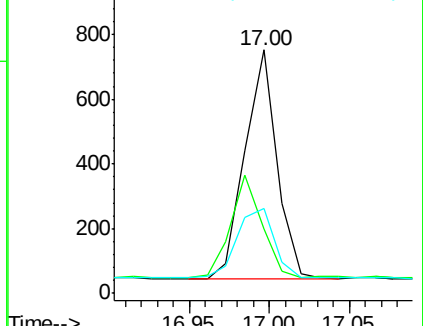
249 35.5 34.8 52.2



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: 0.333 ng

RT: 17.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

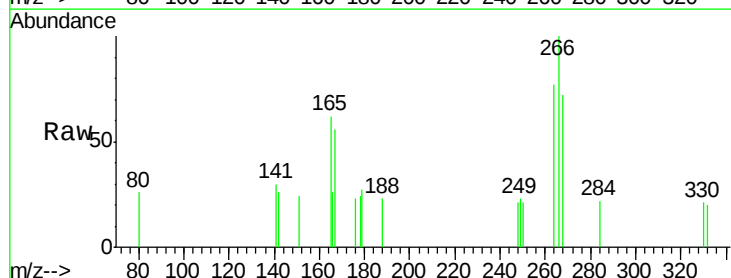
Tgt Ion:266 Resp: 306

Ion Ratio Lower Upper

266 100

264 76.7 72.5 108.7

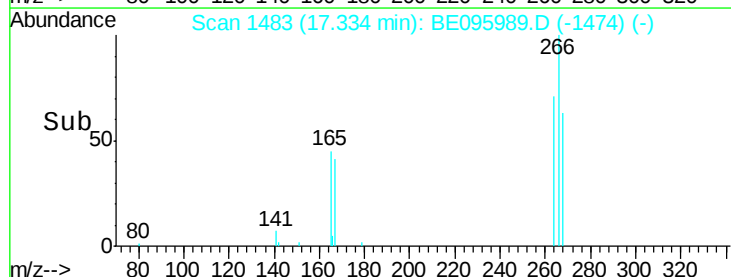
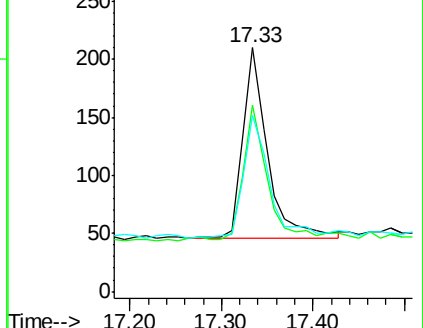
268 72.4 73.8 110.6#

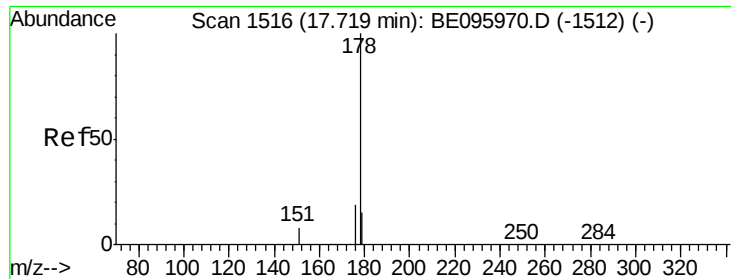


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.304 ng

RT: 17.72 min Scan# 1516

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

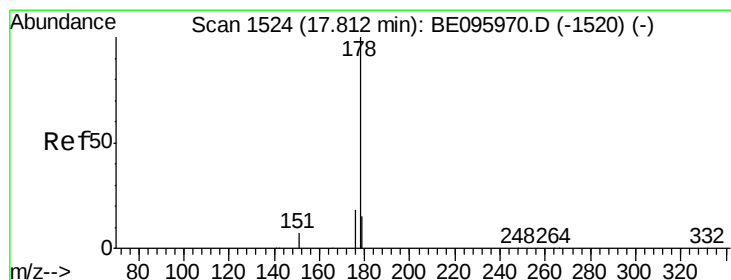
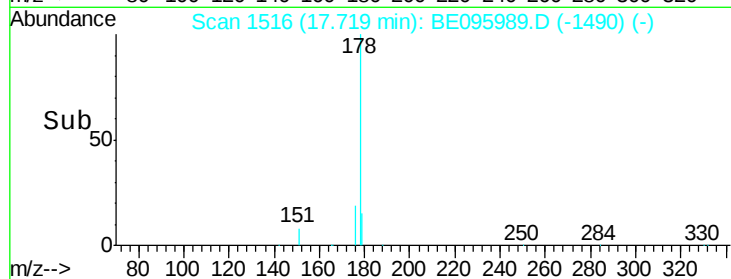
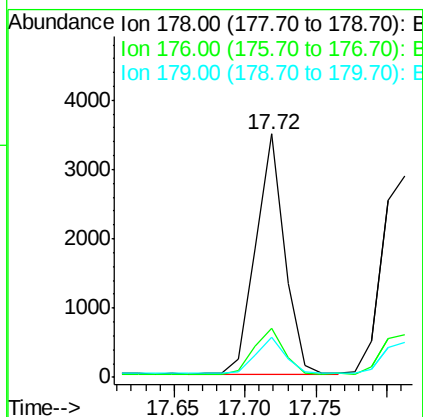
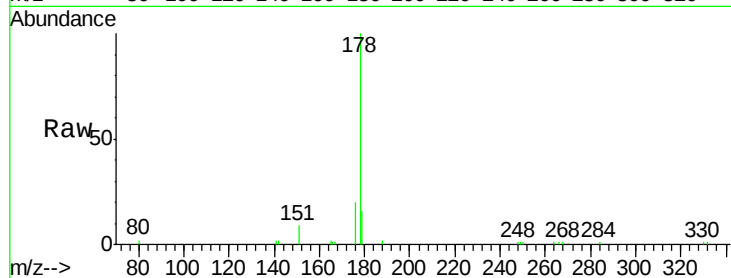
Instrument :

BNA_E

ClientSampleId :

PB108058BS

Tgt Ion:	178	Resp:	4857
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.3	11.8	17.6



#24

Anthracene

Concen: 0.309 ng

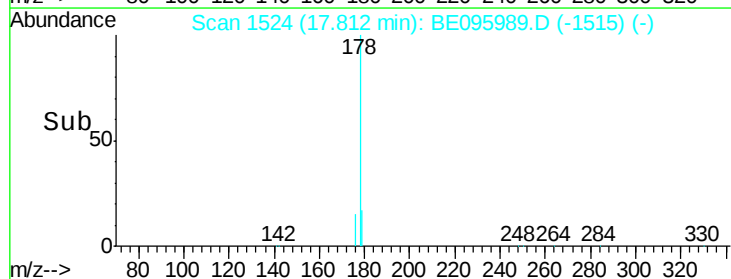
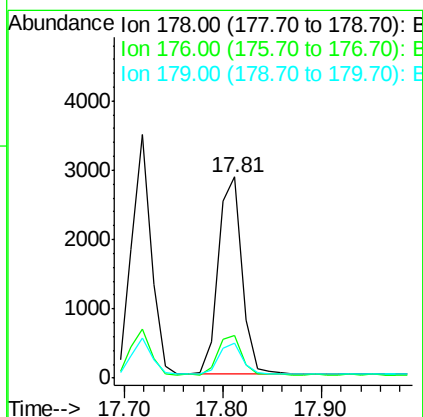
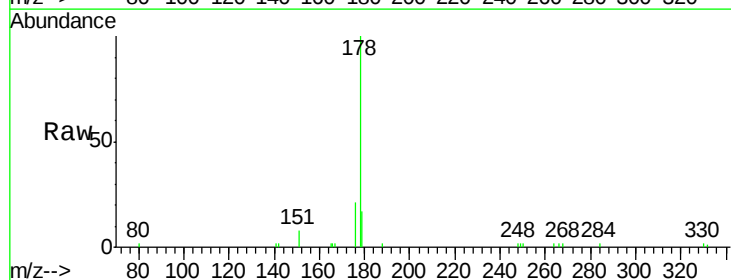
RT: 17.81 min Scan# 1524

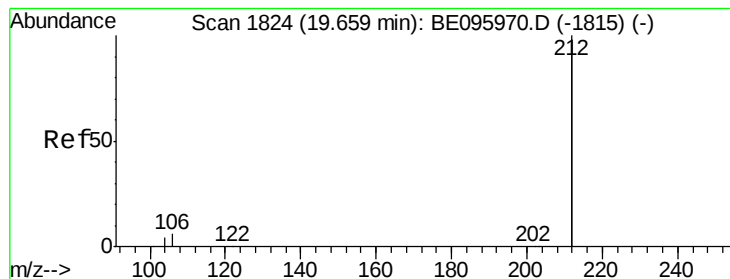
Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Tgt Ion:	178	Resp:	4714
Ion	Ratio	Lower	Upper
178	100		
176	19.7	12.8	19.2#
179	15.7	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.283 ng

RT: 19.66 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

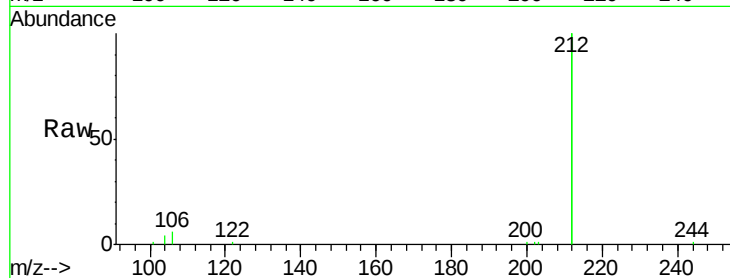
Tgt Ion:212 Resp: 21794

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

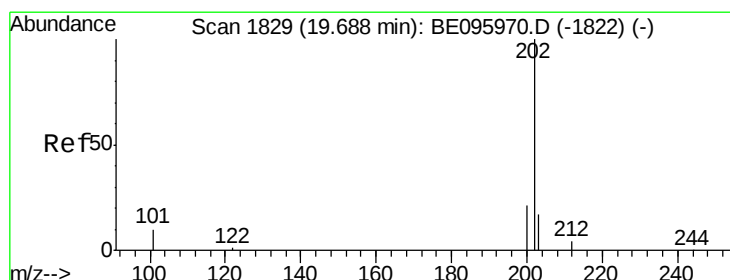
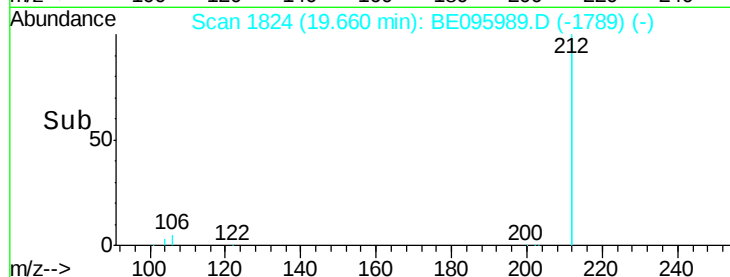
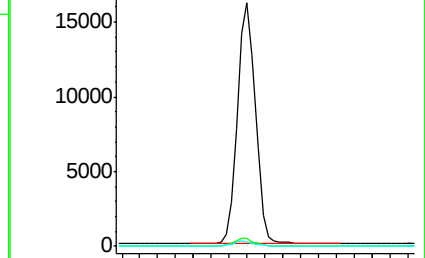
104 1.7 1.6 2.4



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: 0.297 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

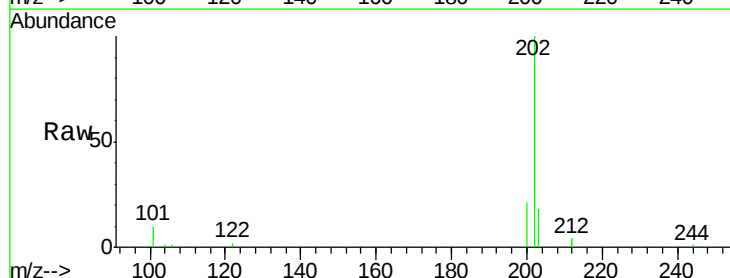
Tgt Ion:202 Resp: 6222

Ion Ratio Lower Upper

202 100

101 10.1 9.8 14.8

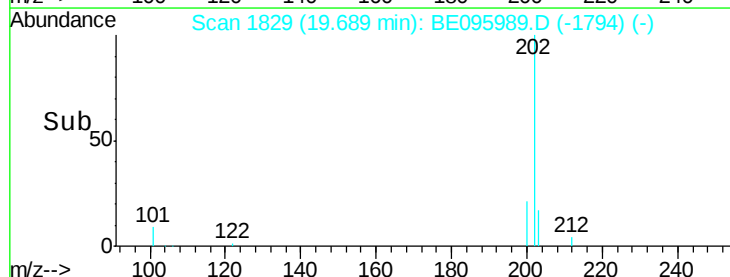
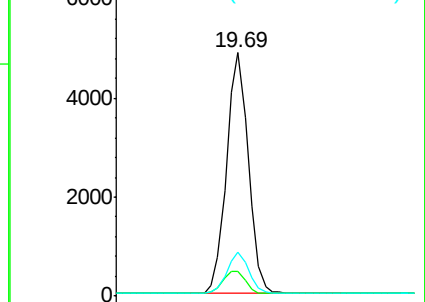
203 17.3 13.7 20.5



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: 21.77 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

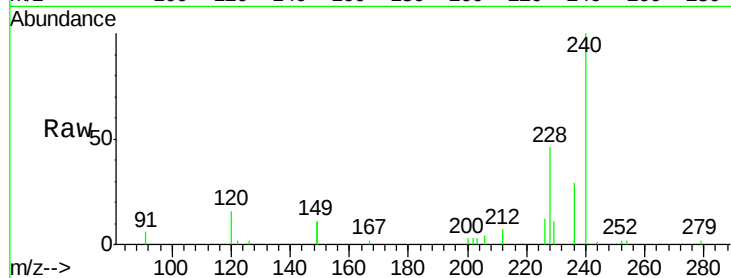
Tgt Ion:240 Resp: 6353

Ion Ratio Lower Upper

240 100

120 16.0 5.5 8.3#

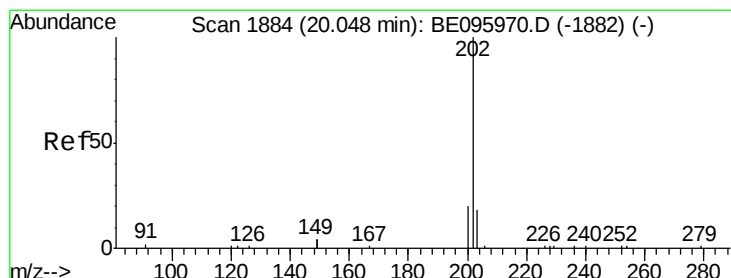
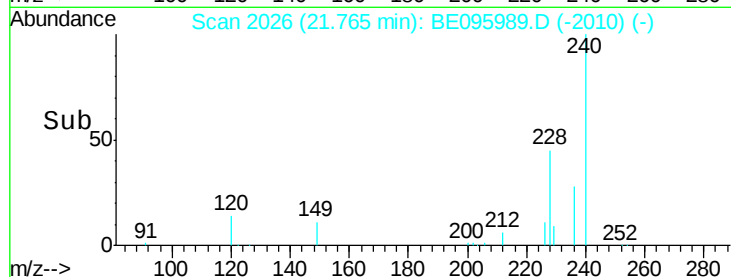
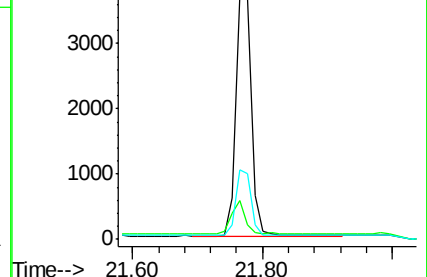
236 28.7 20.7 31.1



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: 0.205 ng

RT: 20.05 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

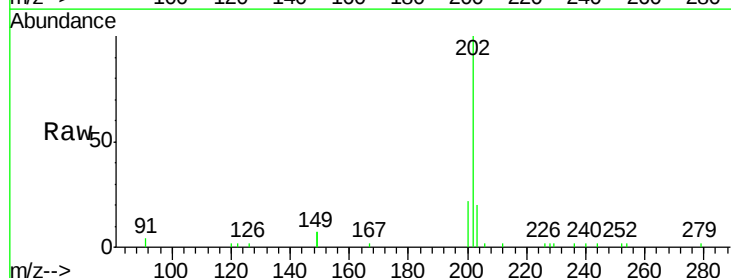
Tgt Ion:202 Resp: 2562

Ion Ratio Lower Upper

202 100

200 22.9 16.6 25.0

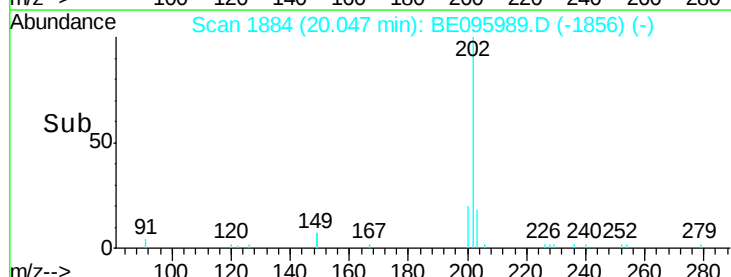
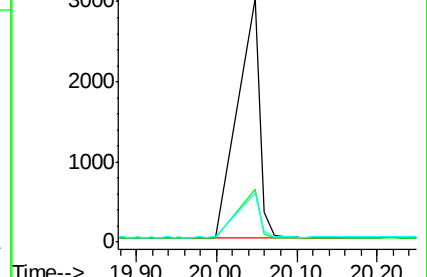
203 22.8 13.8 20.8#



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: 0.289 ng

RT: 20.22 min Scan# 1898

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

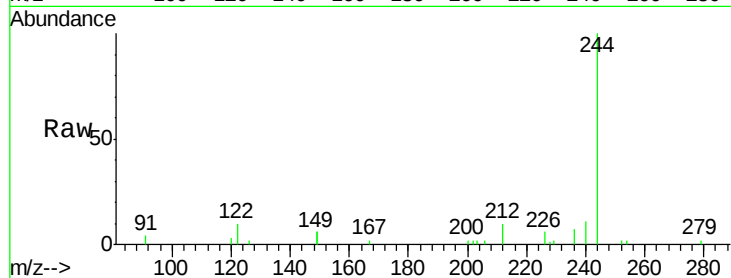
Tgt Ion:244 Resp: 4057

Ion Ratio Lower Upper

244 100

212 10.2 25.4 38.0#

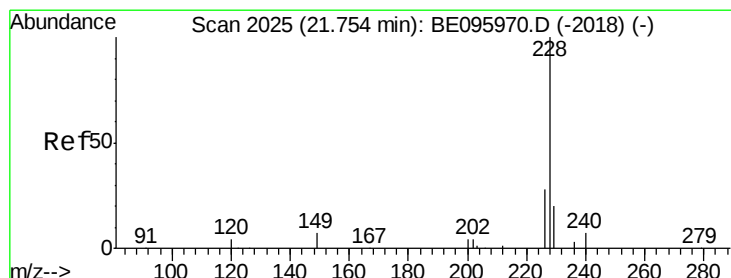
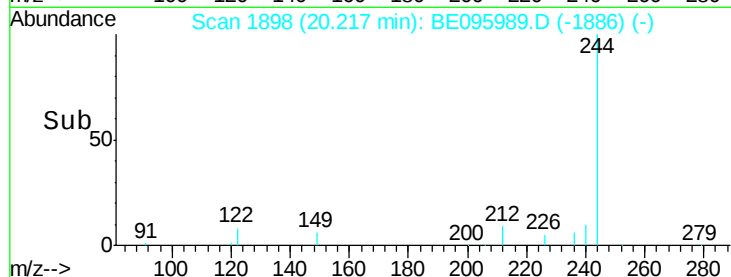
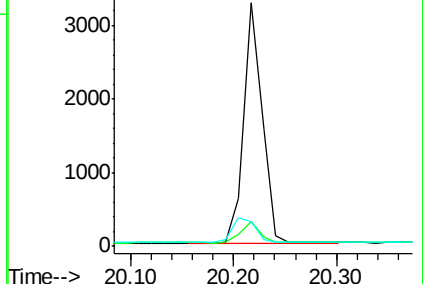
122 10.0 8.1 12.1



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: 0.310 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

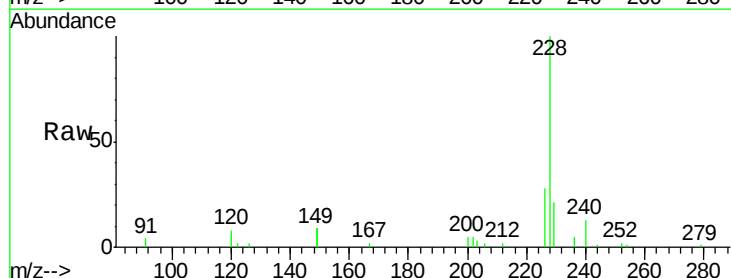
Tgt Ion:228 Resp: 6321

Ion Ratio Lower Upper

228 100

226 28.4 24.0 36.0

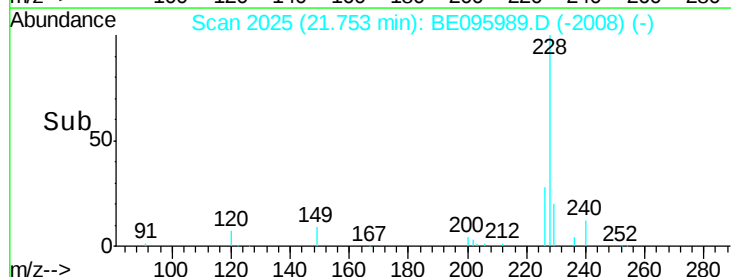
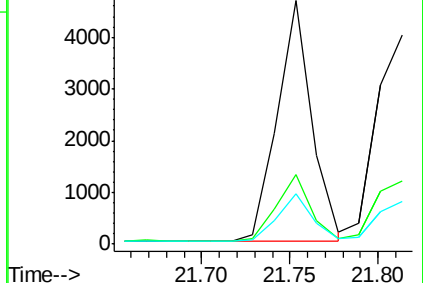
229 20.8 16.0 24.0



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





#31

Chrysene

Concen: 0.310 ng

RT: 21.81 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

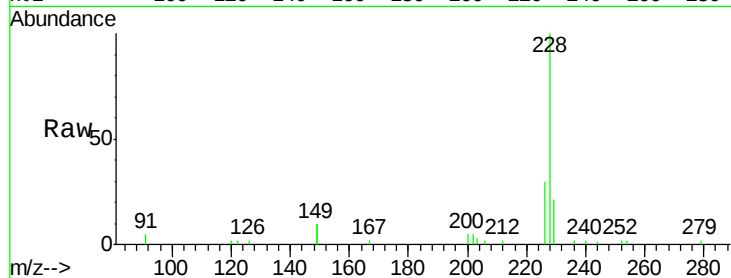
Tgt Ion:228 Resp: 6107

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

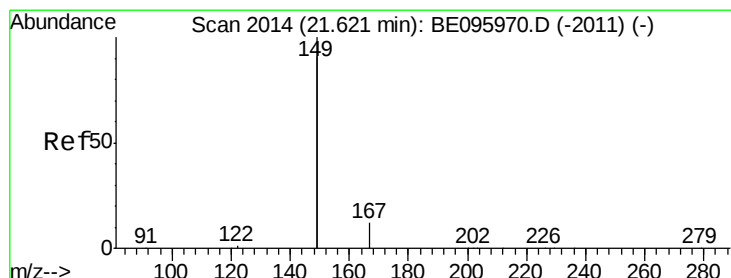
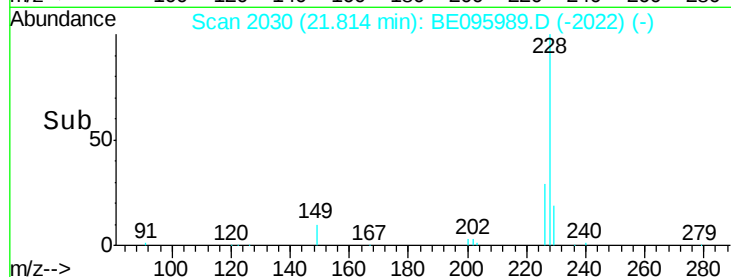
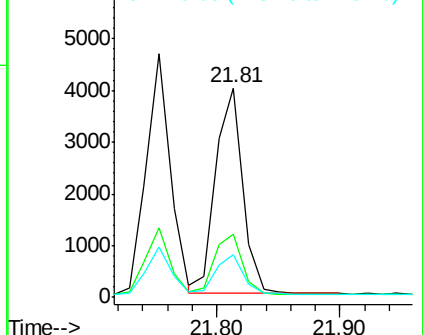
229 20.5 16.0 24.0



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: 0.288 ng

RT: 21.62 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

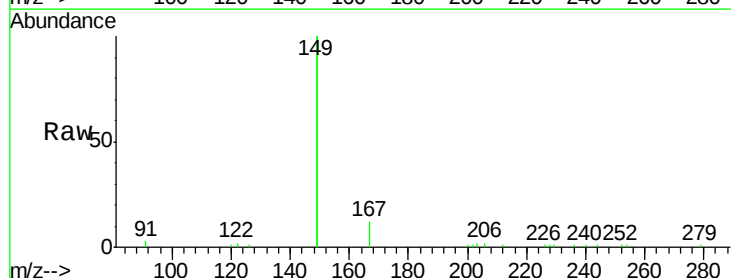
Tgt Ion:149 Resp: 15164

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

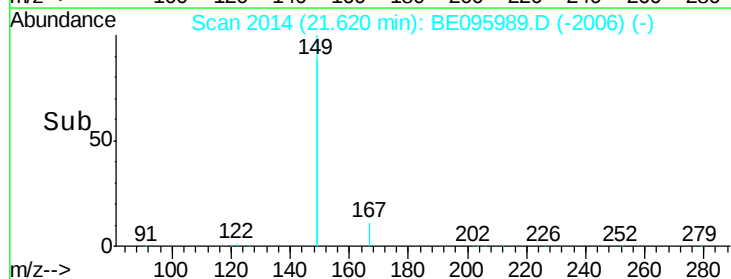
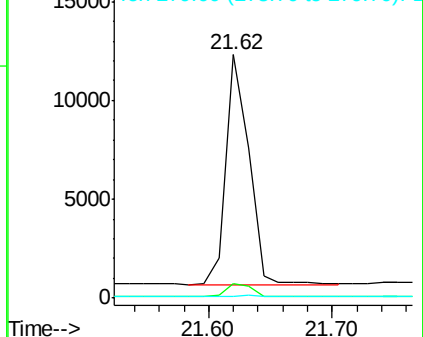
279 0.8 0.7 1.1



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: 0.340 ng

RT: 27.18 min Scan# 3487

Delta R.T. 0.01 min

Lab File: BE095989.D

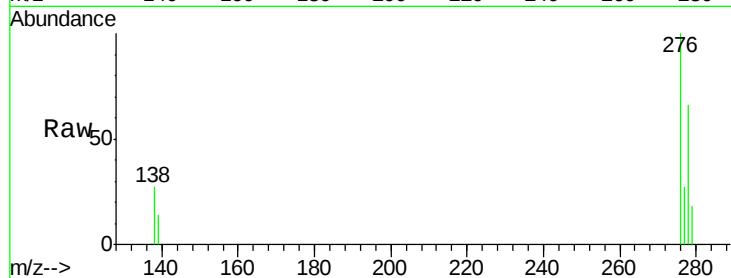
Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS



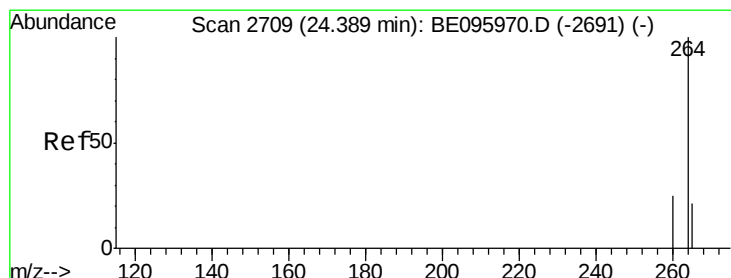
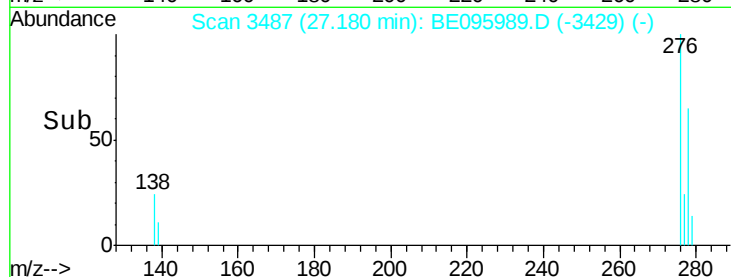
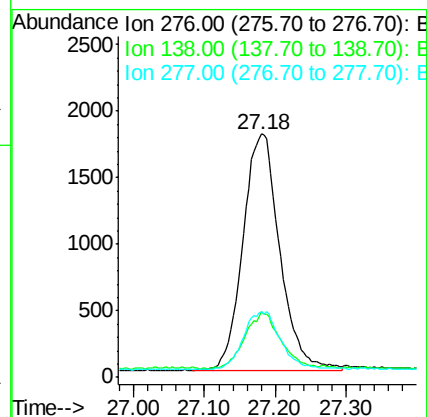
Tgt Ion:276 Resp: 6494

Ion Ratio Lower Upper

276 100

138 23.4 22.5 33.7

277 24.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.39 min Scan# 2708

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

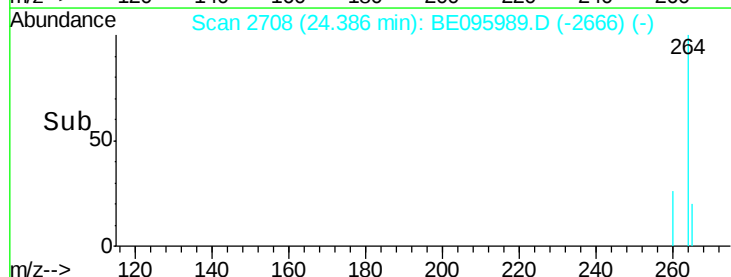
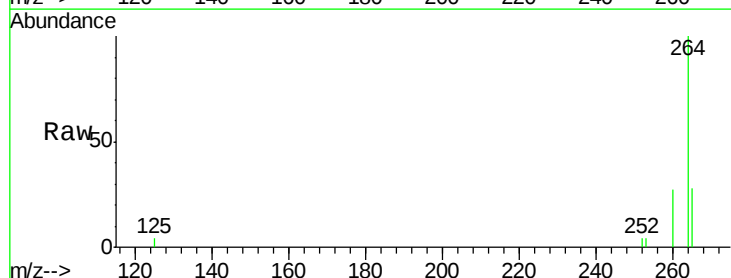
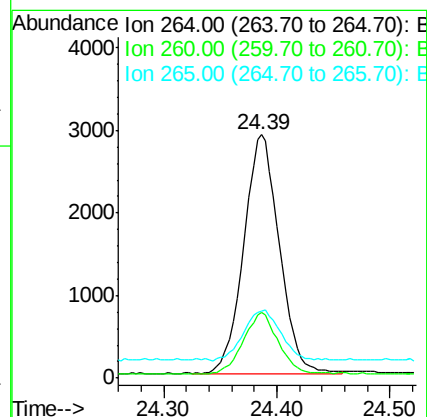
Tgt Ion:264 Resp: 6316

Ion Ratio Lower Upper

264 100

260 27.0 20.5 30.7

265 27.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.325 ng

RT: 23.57 min Scan# 2480

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

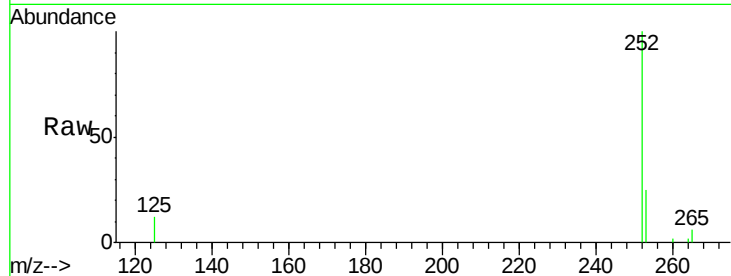
Tgt Ion:252 Resp: 6152

Ion Ratio Lower Upper

252 100

253 24.8 20.0 30.0

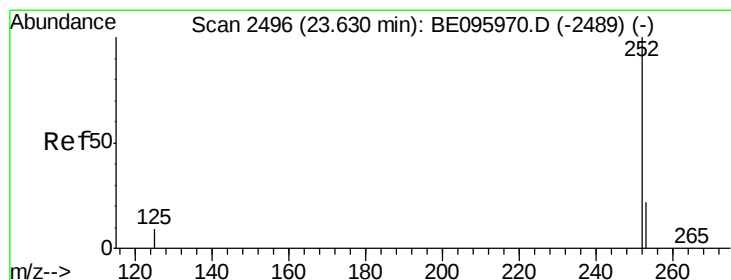
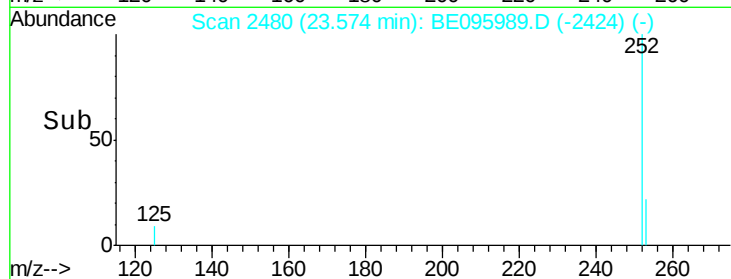
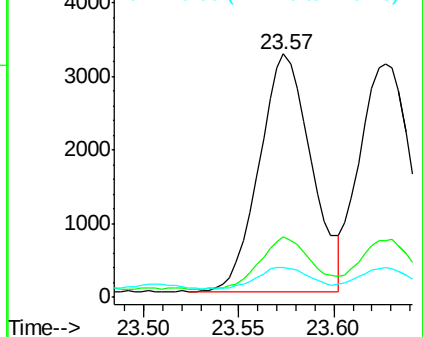
125 12.2 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.304 ng

RT: 23.63 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

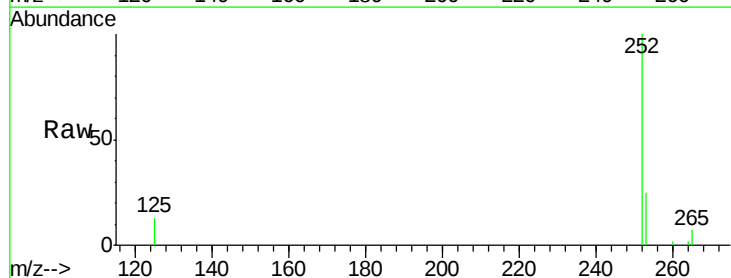
Tgt Ion:252 Resp: 5918

Ion Ratio Lower Upper

252 100

253 24.5 16.0 24.0#

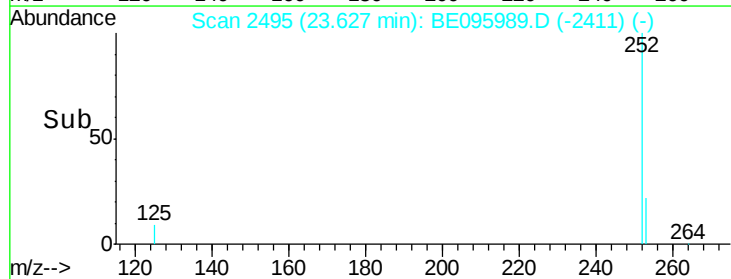
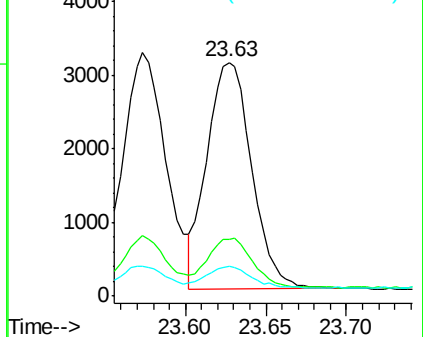
125 12.9 8.0 12.0#

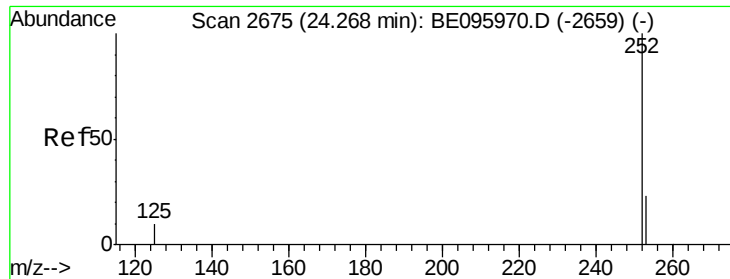


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.318 ng

RT: 24.26 min Scan# 2674

Delta R.T. -0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS

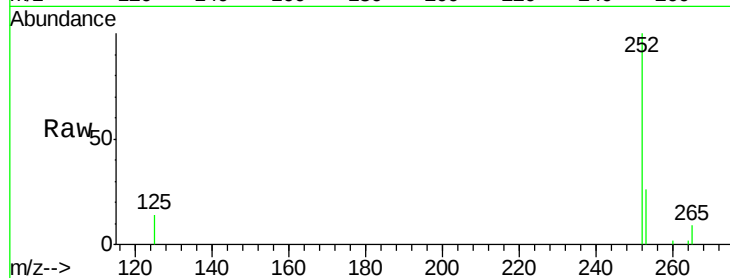
Tgt Ion:252 Resp: 5788

Ion Ratio Lower Upper

252 100

253 26.0 16.0 24.0#

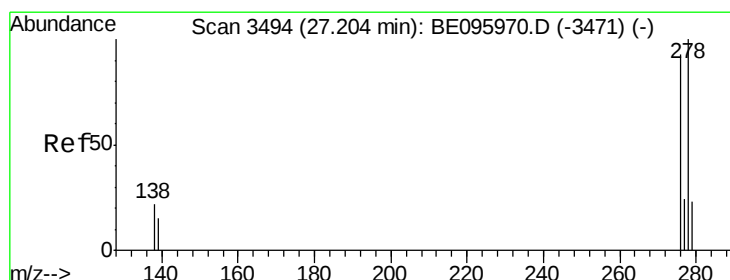
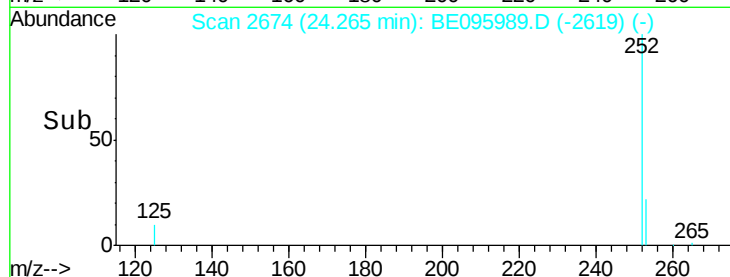
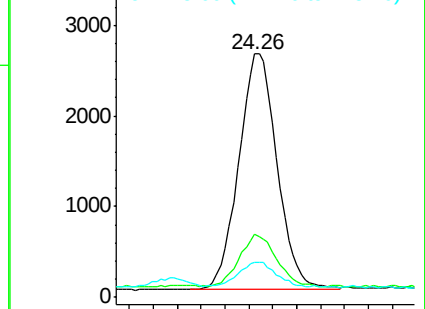
125 14.4 12.0 18.0



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: 0.323 ng

RT: 27.19 min Scan# 3491

Delta R.T. 0.00 min

Lab File: BE095989.D

Acq: 13 Apr 2018 10:15

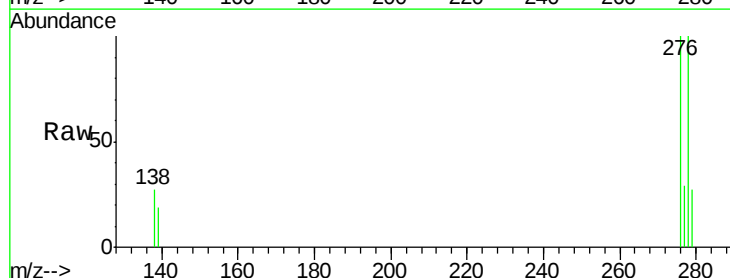
Tgt Ion:278 Resp: 5188

Ion Ratio Lower Upper

278 100

139 18.9 16.0 24.0

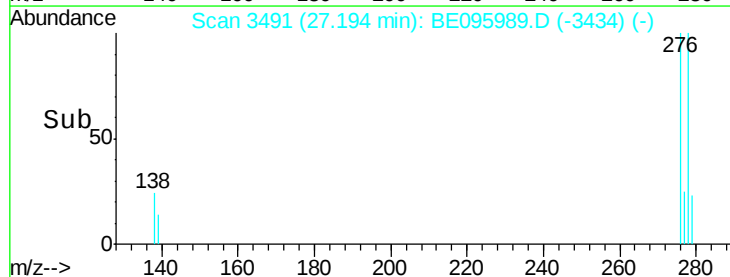
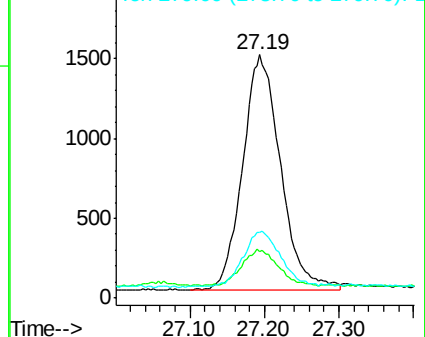
279 27.1 20.0 30.0

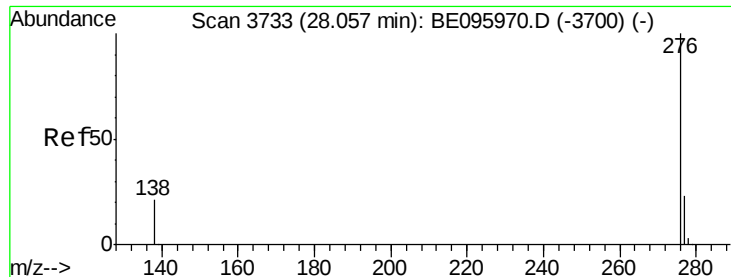


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.333 ng

RT: 28.05 min Scan# 3730

Delta R.T. 0.00 min

Lab File: BE095989.D

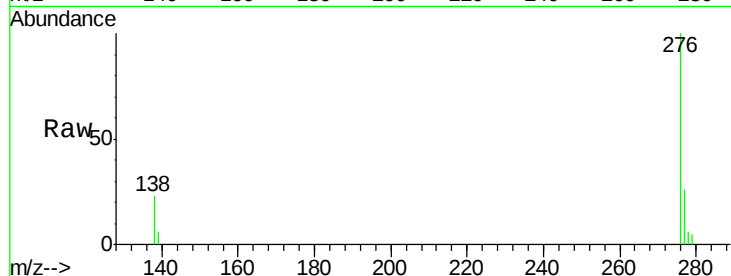
Acq: 13 Apr 2018 10:15

Instrument :

BNA_E

ClientSampleId :

PB108058BS



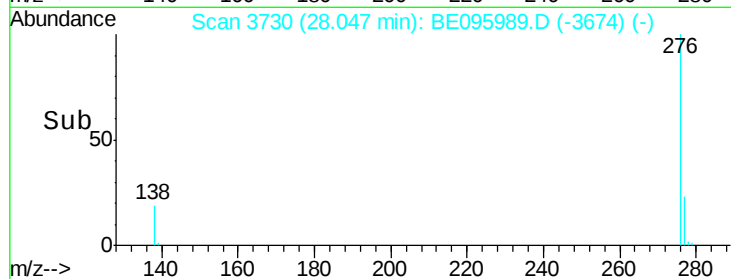
Tgt Ion: 276 Resp: 5647

Ion Ratio Lower Upper

276 100

277 26.1 16.0 24.0#

138 23.0 20.0 30.0



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

