

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041318\
 Data File : BE095992.D
 Acq On : 13 Apr 2018 12:07
 Operator : SJ/JU
 Sample : PB108210BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB108210BSD

Quant Time: Apr 13 14:44:06 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	1333	0.40	ng	0.00
7) Naphthalene-d8	11.22	136	4912	0.40	ng	0.00
13) Acenaphthene-d10	14.97	164	2456	0.40	ng	0.00
19) Phenanthrene-d10	17.67	188	5601	0.40	ng	0.00
27) Chrysene-d12	21.76	240	6217	0.40	ng	-0.01
34) Perylene-d12	24.39	264	6016	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.88	112	1356	0.33	ng	0.00
5) Phenol-d6	7.53	99	1816	0.32	ng	0.00
8) Nitrobenzene-d5	9.57	82	1819	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.76	152	2224	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.44	330	276	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.61	172	3531	0.34	ng	0.00
25) Fluoranthene-d10	19.66	212	21245	0.28	ng	0.00
29) Terphenyl-d14	20.22	244	4052	0.29	ng	0.00

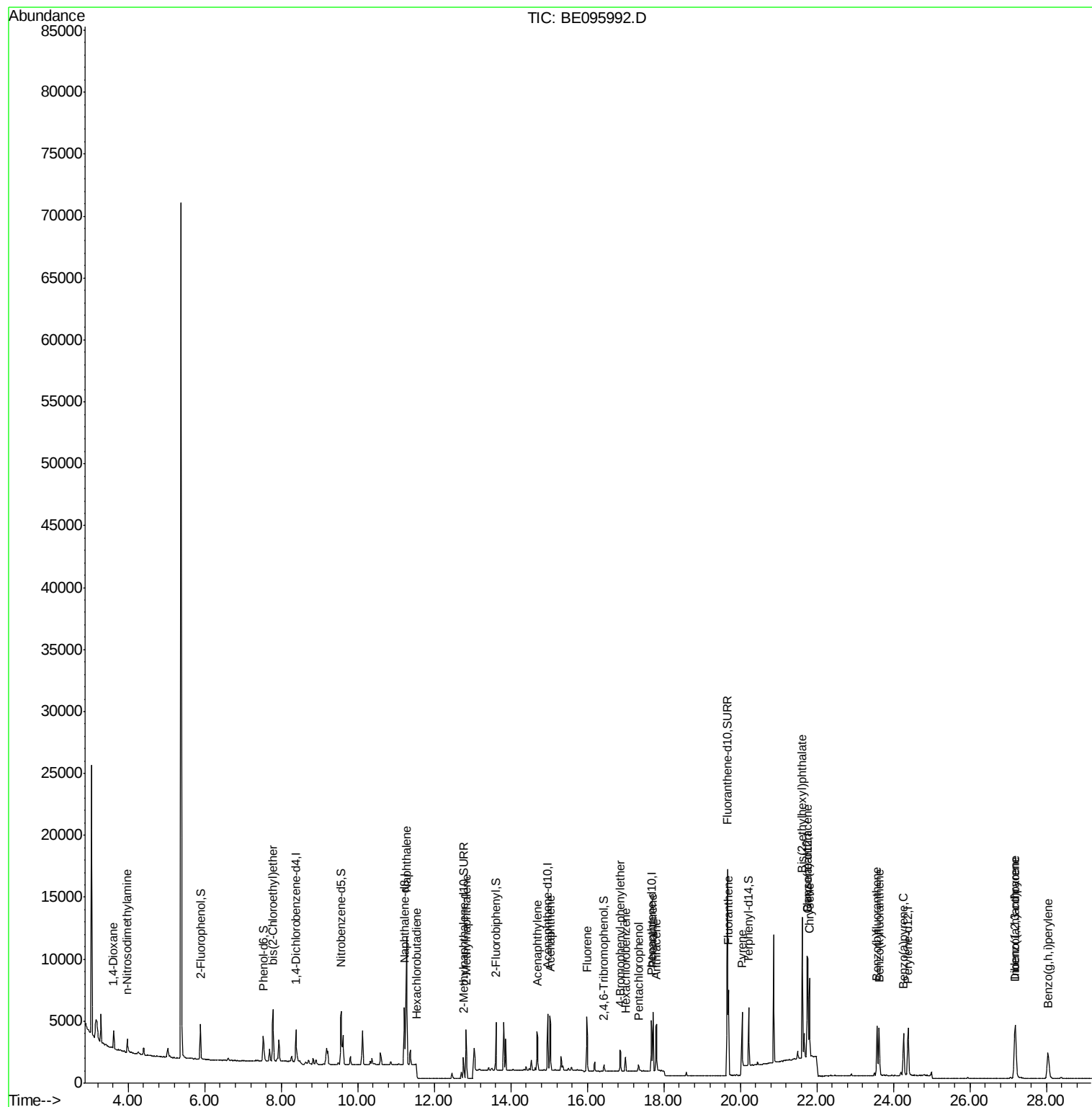
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.62	88	866	0.421	ng	88
3) n-Nitrosodimethylamine	3.97	42	817	0.324	ng	83
6) bis(2-Chloroethyl)ether	7.78	93	1424	0.284	ng	96
9) Naphthalene	11.27	128	16173	0.312	ng	100
10) Hexachlorobutadiene	11.53	225	606	0.264	ng	94
12) 2-Methylnaphthalene	12.83	142	2632	0.307	ng	96
16) Acenaphthylene	14.69	152	3784	0.289	ng	99
17) Acenaphthene	15.02	154	2309	0.293	ng	95
18) Fluorene	15.99	166	3518	0.361	ng	# 70
20) 4-Bromophenyl-phenylether	16.87	248	892	0.268	ng	# 79
21) Hexachlorobenzene	17.00	284	937	0.283	ng	# 81
22) Pentachlorophenol	17.33	266	309	0.338	ng	# 76
23) Phenanthrene	17.72	178	4777	0.304	ng	98
24) Anthracene	17.81	178	4543	0.302	ng	# 95
26) Fluoranthene	19.69	202	6054	0.293	ng	97
28) Pyrene	20.05	202	2911	0.238	ng	95
30) Benzo(a)anthracene	21.75	228	5967	0.299	ng	97
31) Chrysene	21.81	228	5854	0.304	ng	97
32) Bis(2-ethylhexyl)phthalate	21.62	149	14013	0.272	ng	100
33) Indeno(1,2,3-cd)pyrene	27.18	276	6217	0.333	ng	94
35) Benzo(b)fluoranthene	23.57	252	5775	0.320	ng	# 92
36) Benzo(k)fluoranthene	23.63	252	5838	0.315	ng	# 91
37) Benzo(a)pyrene	24.27	252	5522	0.318	ng	# 94
38) Dibenzo(a,h)anthracene	27.19	278	5000	0.327	ng	98
39) Benzo(g,h,i)perylene	28.05	276	5323	0.329	ng	# 91

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

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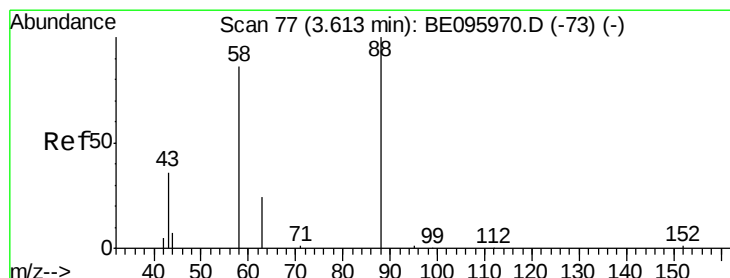
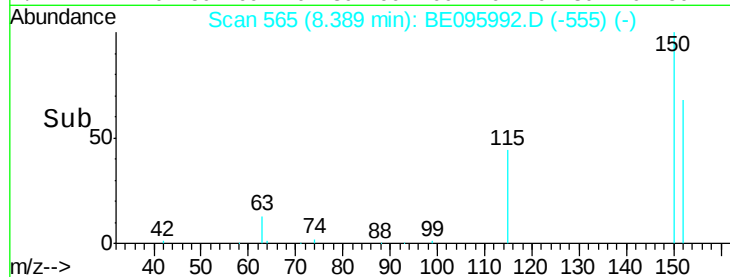
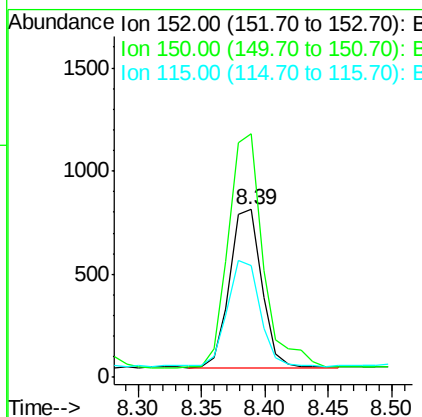
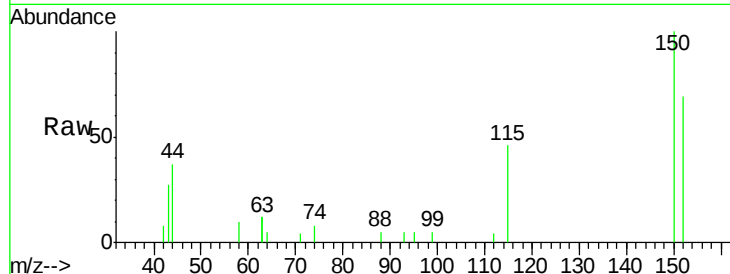




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.39 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BE095992.D
 Acq: 13 Apr 2018 12:07

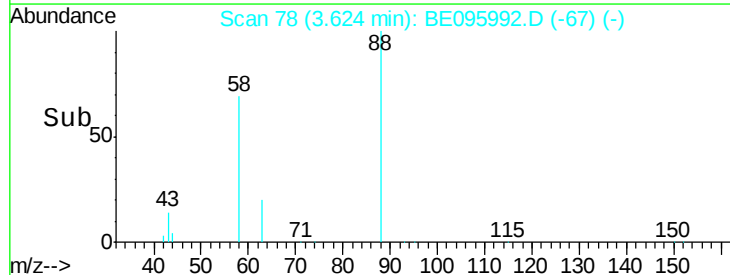
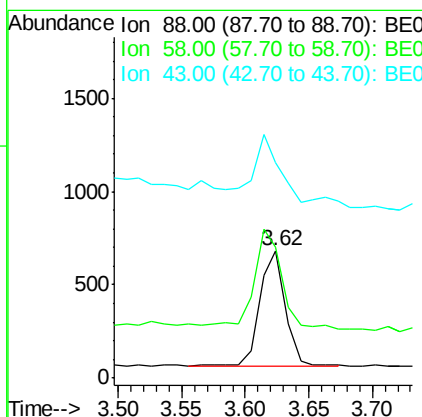
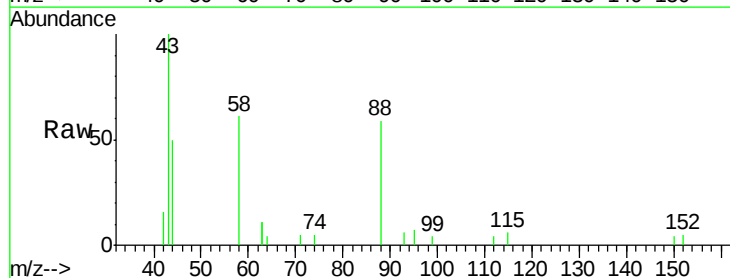
Instrument :
 BNA_E
 ClientSampleId :
 PB108210BSD

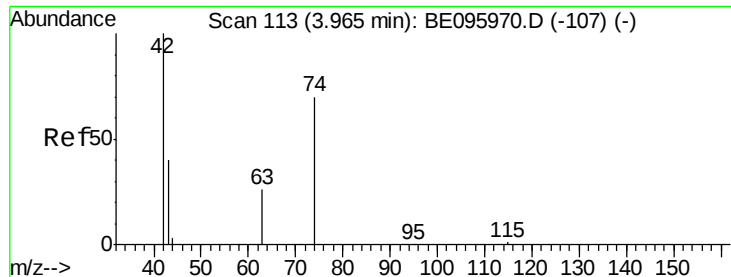
Tgt Ion: 152 Resp: 1333
 Ion Ratio Lower Upper
 152 100
 150 145.3 117.2 175.8
 115 67.1 57.0 85.6



#2
 1,4-Dioxane
 Concen: 0.421 ng
 RT: 3.62 min Scan# 78
 Delta R.T. 0.01 min
 Lab File: BE095992.D
 Acq: 13 Apr 2018 12:07

Tgt Ion: 88 Resp: 866
 Ion Ratio Lower Upper
 88 100
 58 94.3 63.2 94.8
 43 53.7 41.2 61.8



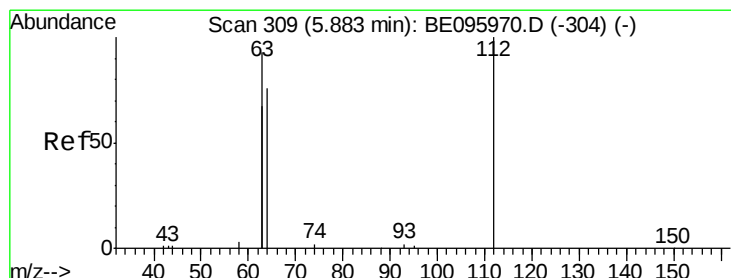
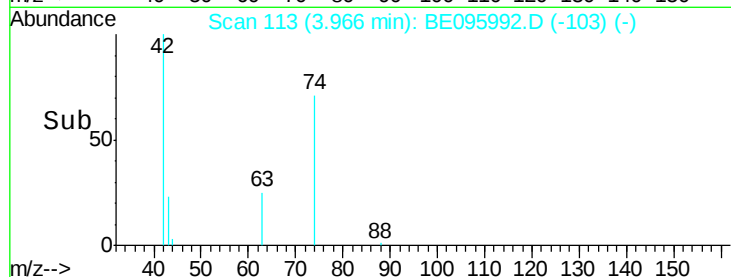
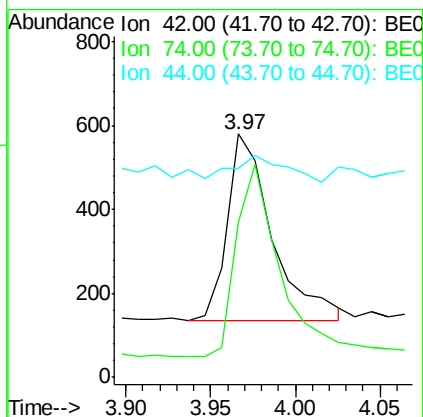
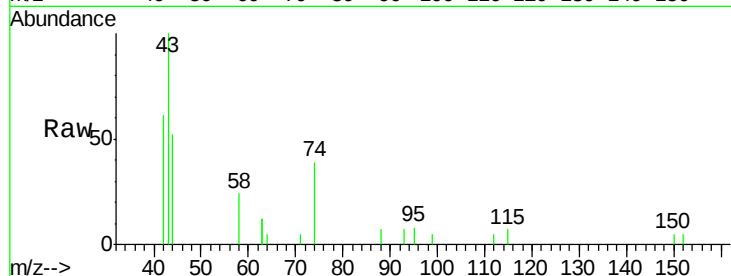


#3

n-Nitrosodimethylamine
 Concen: 0.324 ng
 RT: 3.97 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: BE095992.D
 Acq: 13 Apr 2018 12:07

Instrument :
 BNA_E
 ClientSampleId :
 PB108210BSD

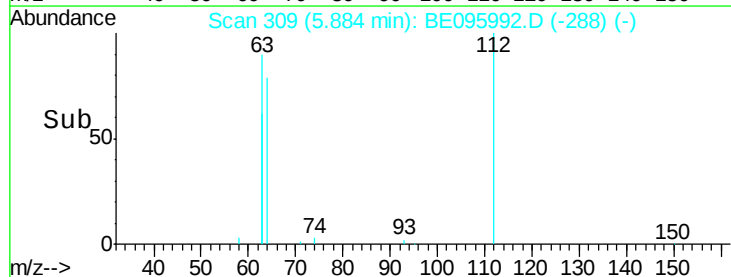
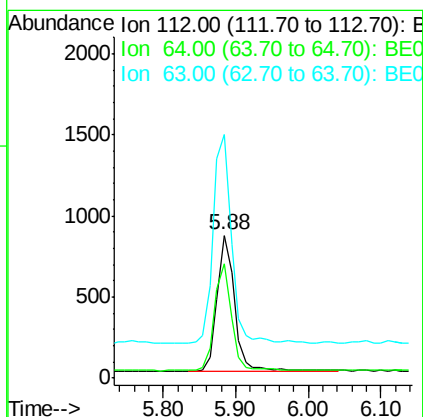
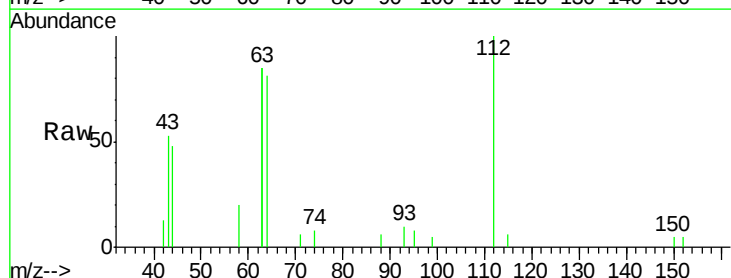
Tgt Ion: 42 Resp: 817
 Ion Ratio Lower Upper
 42 100
 74 98.9 96.0 144.0
 44 15.8 12.0 18.0

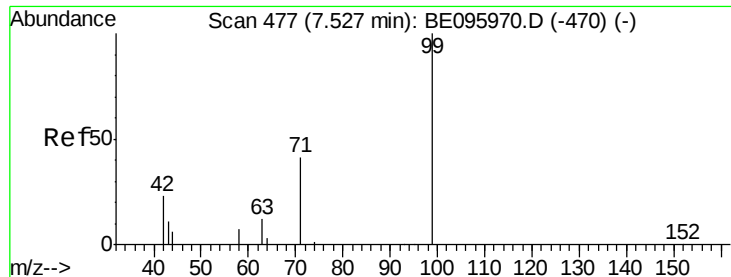


#4

2-Fluorophenol
 Concen: 0.329 ng
 RT: 5.88 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: BE095992.D
 Acq: 13 Apr 2018 12:07

Tgt Ion: 112 Resp: 1356
 Ion Ratio Lower Upper
 112 100
 64 77.9 60.1 90.1
 63 163.8 116.8 175.2





#5

Phenol-d6

Concen: 0.319 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

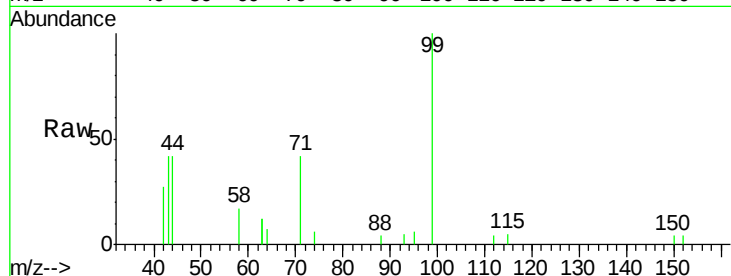
Tgt Ion: 99 Resp: 1816

Ion Ratio Lower Upper

99 100

42 28.3 20.2 30.2

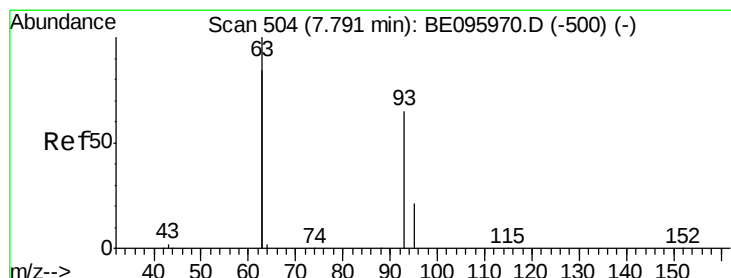
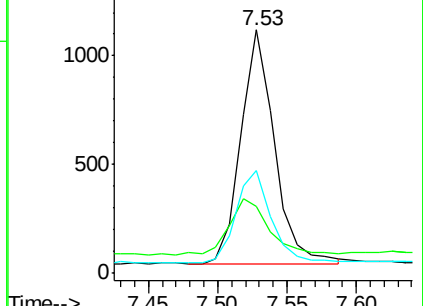
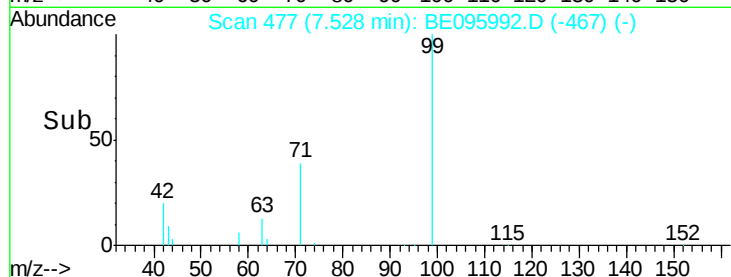
71 42.4 28.4 42.6



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: 0.284 ng

RT: 7.78 min Scan# 503

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

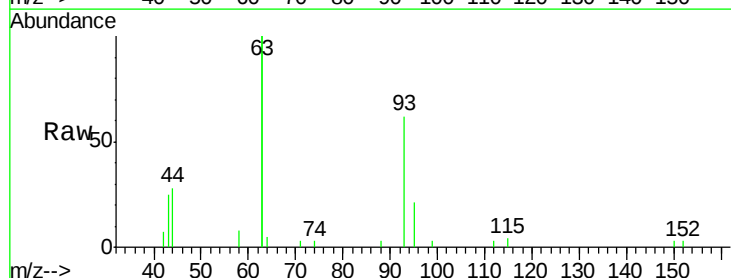
Tgt Ion: 93 Resp: 1424

Ion Ratio Lower Upper

93 100

63 334.1 275.3 412.9

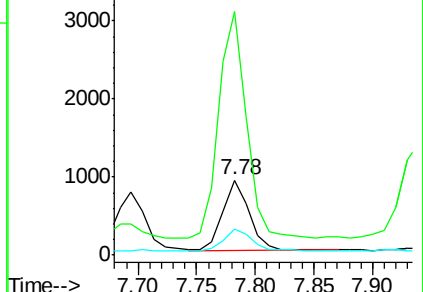
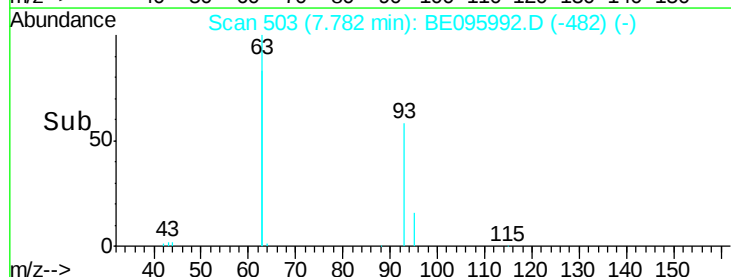
95 31.8 25.2 37.8



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: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

Tgt Ion:136 Resp: 4912

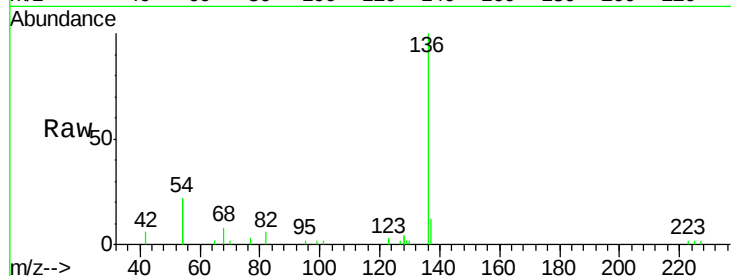
Ion Ratio Lower Upper

136 100

137 11.8 9.5 14.3

54 44.7 29.1 43.7#

68 8.4 6.2 9.2

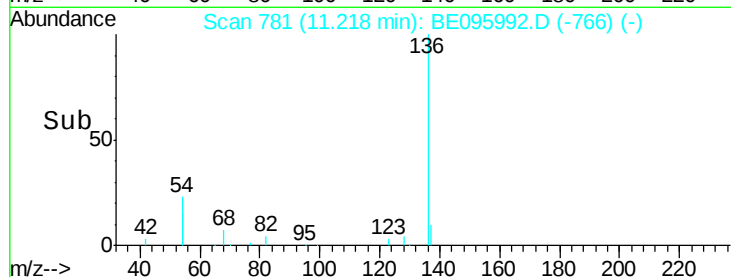


Abundance Ion 136.00 (135.70 to 136.70): E

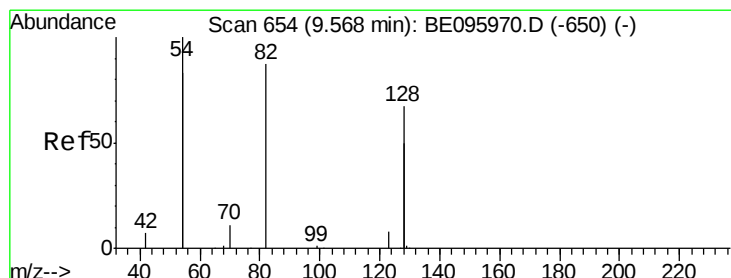
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.316 ng

RT: 9.57 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

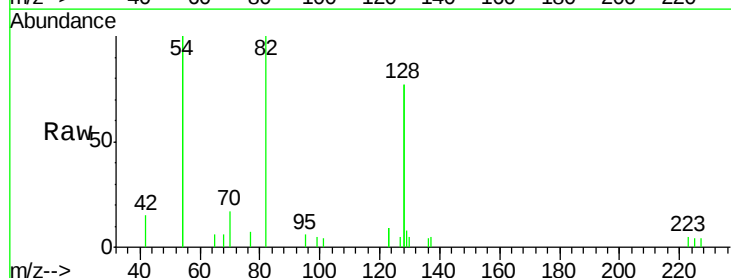
Tgt Ion: 82 Resp: 1819

Ion Ratio Lower Upper

82 100

128 153.8 150.0 225.0

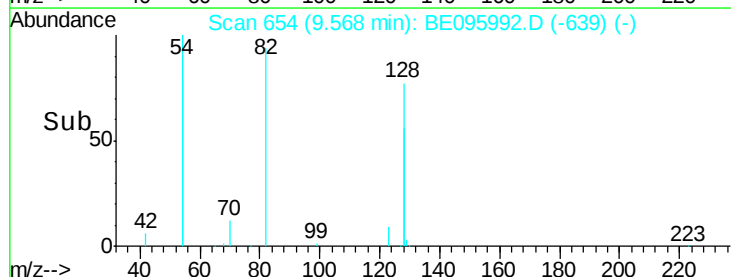
54 201.0 154.2 231.4



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



Time-->



#9

Naphthalene

Concen: 0.312 ng

RT: 11.27 min Scan# 785

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

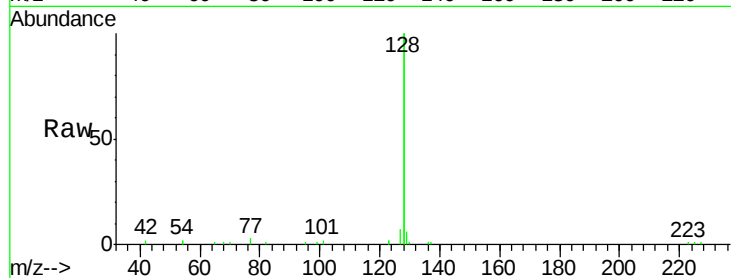
Tgt Ion:128 Resp: 16173

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

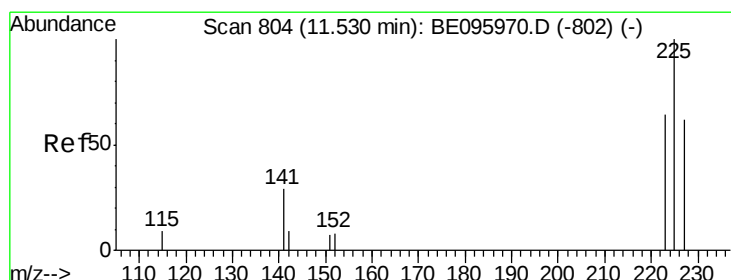
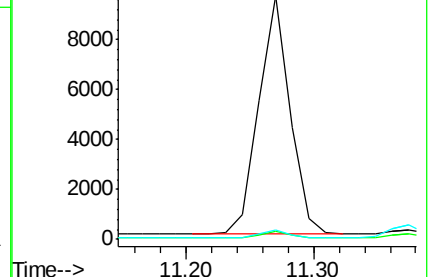
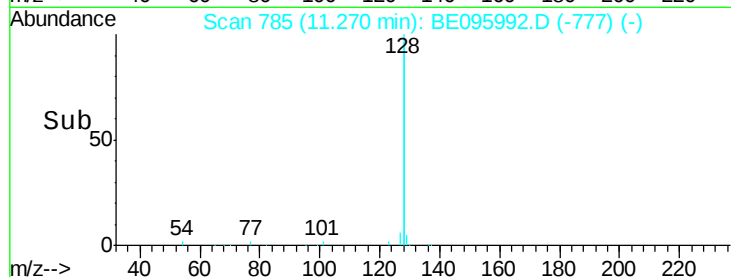
127 3.7 2.8 4.2



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: 0.264 ng

RT: 11.53 min Scan# 804

Delta R.T. -0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

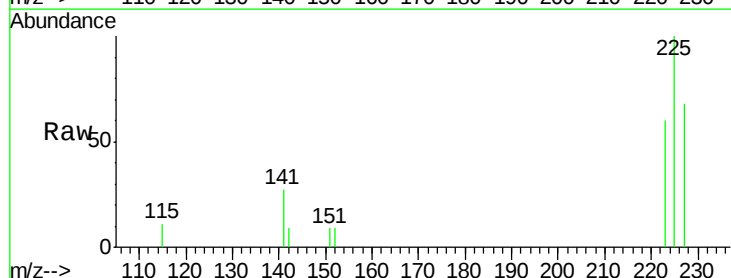
Tgt Ion:225 Resp: 606

Ion Ratio Lower Upper

225 100

223 63.2 53.0 79.6

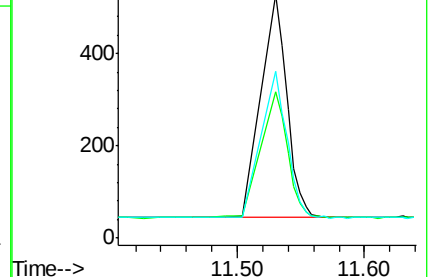
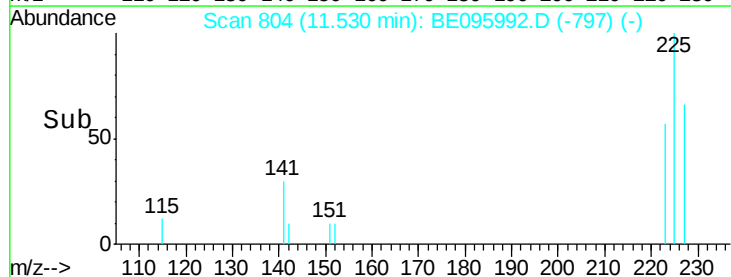
227 70.1 51.4 77.2

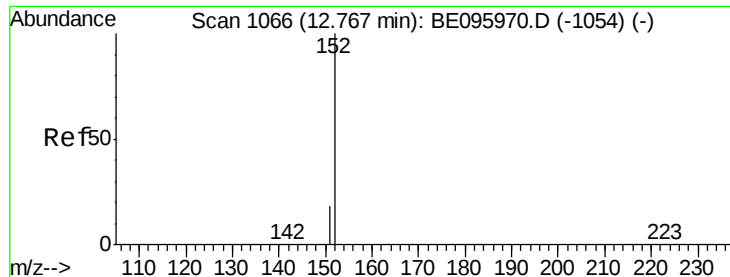


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

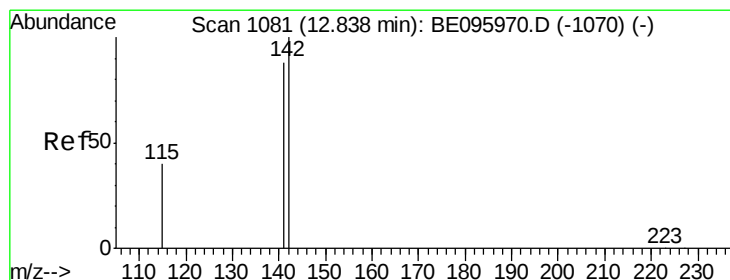
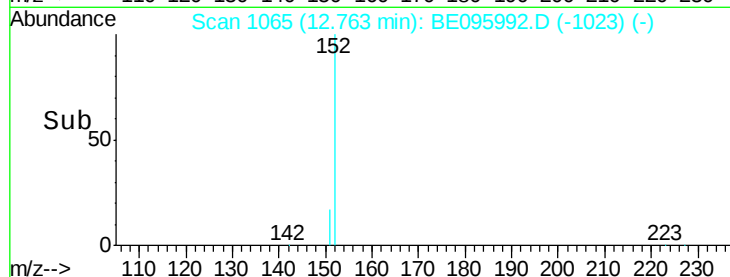
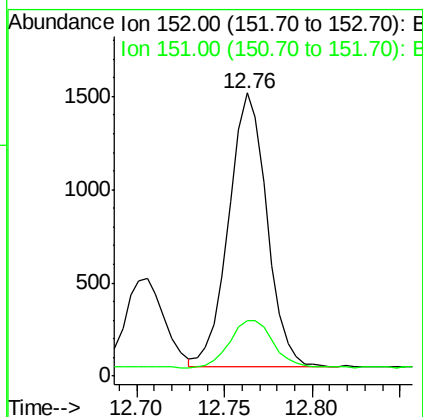
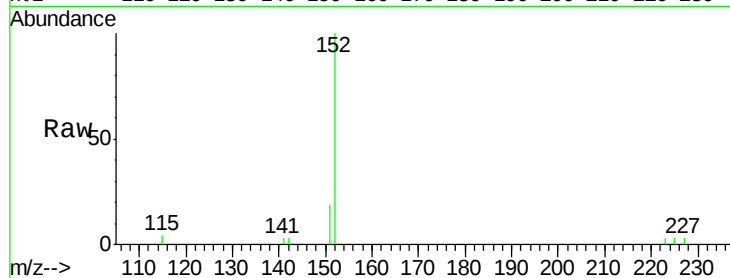




#11
2-Methylnaphthalene-d10
Concen: 0.286 ng
RT: 12.76 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE095992.D
Acq: 13 Apr 2018 12:07

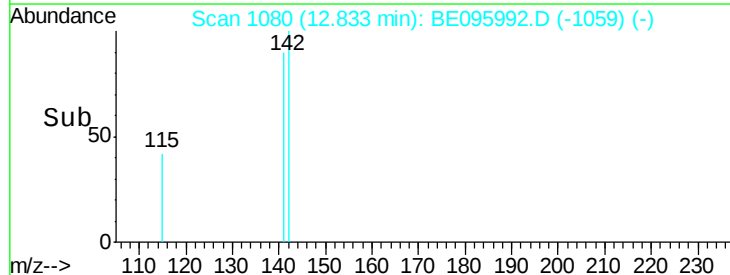
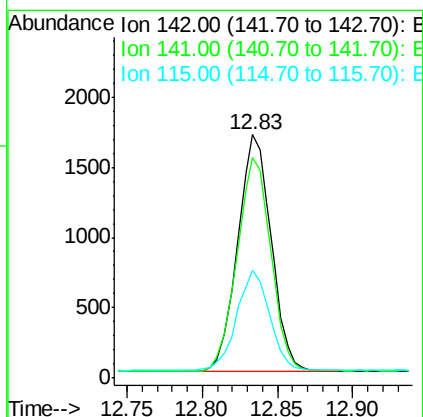
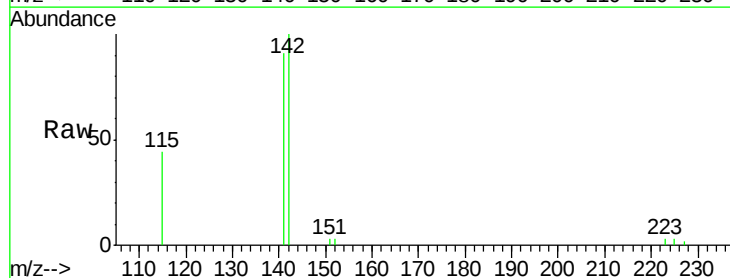
Instrument :
BNA_E
ClientSampleId :
PB108210BSD

Tgt Ion:152 Resp: 2224
Ion Ratio Lower Upper
152 100
151 19.8 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.307 ng
RT: 12.83 min Scan# 1080
Delta R.T. -0.00 min
Lab File: BE095992.D
Acq: 13 Apr 2018 12:07

Tgt Ion:142 Resp: 2632
Ion Ratio Lower Upper
142 100
141 90.6 70.4 105.6
115 44.4 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.97 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

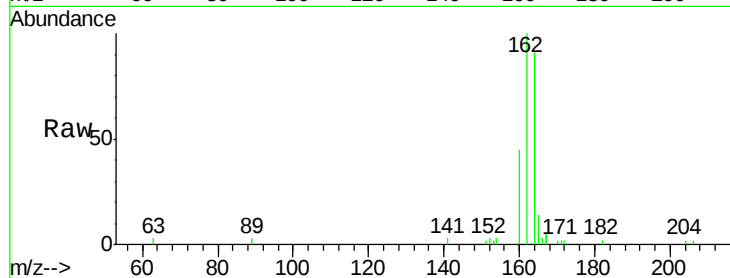
Tgt Ion:164 Resp: 2456

Ion Ratio Lower Upper

164 100

162 110.5 83.1 124.7

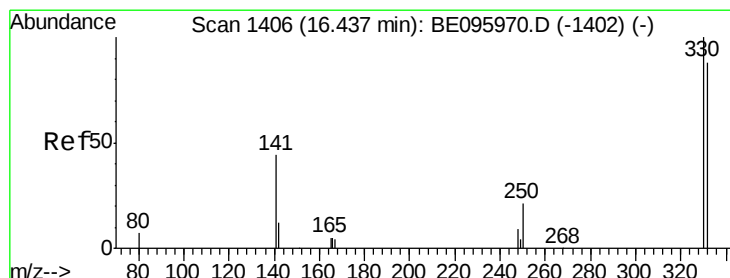
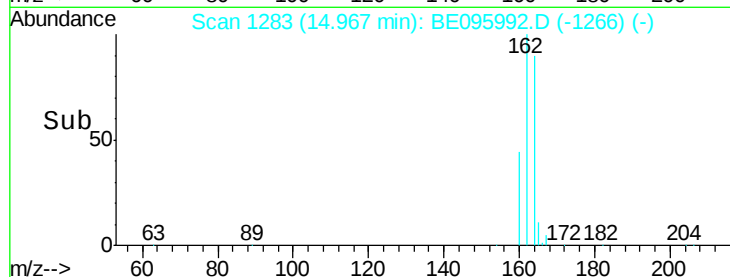
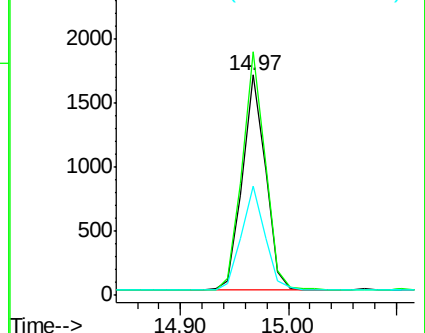
160 49.8 37.1 55.7



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: 0.233 ng

RT: 16.44 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

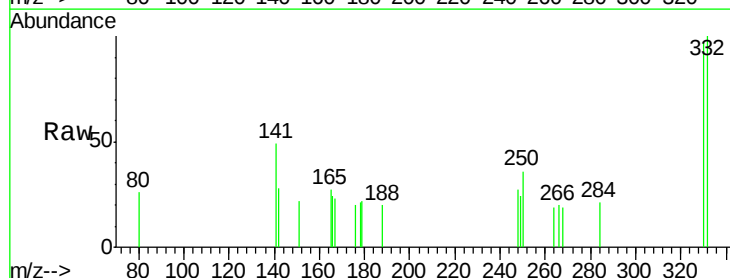
Tgt Ion:330 Resp: 276

Ion Ratio Lower Upper

330 100

332 102.2 152.7 229.1#

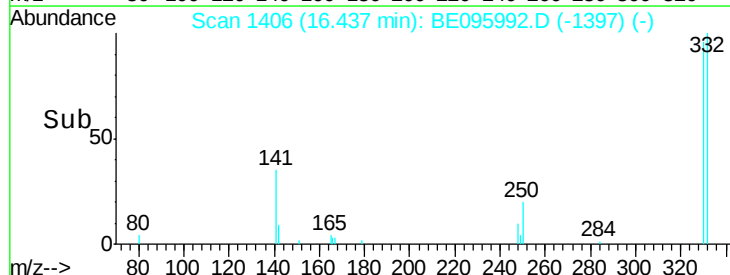
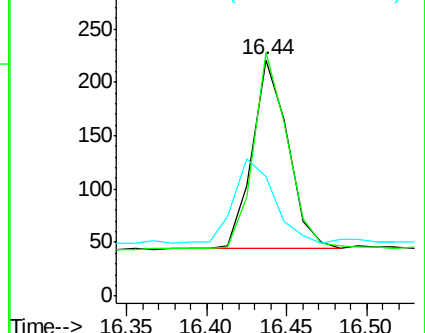
141 51.8 33.7 50.5#

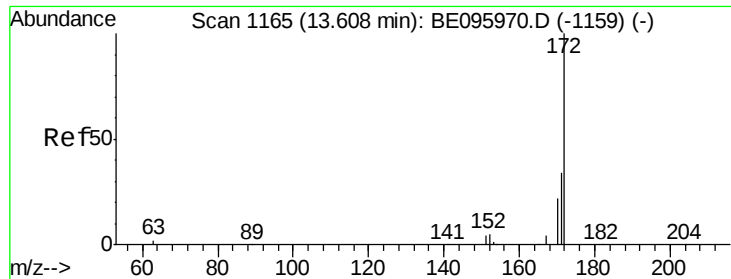


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

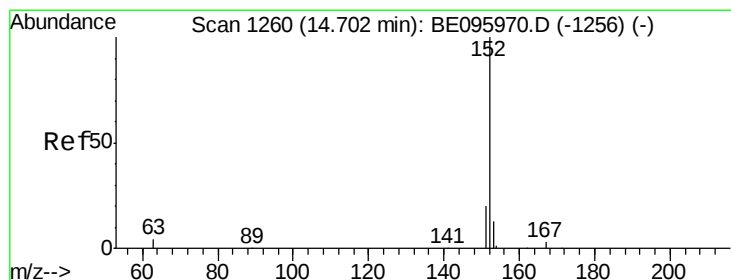
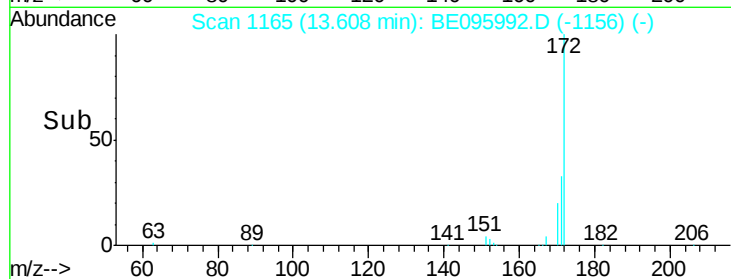
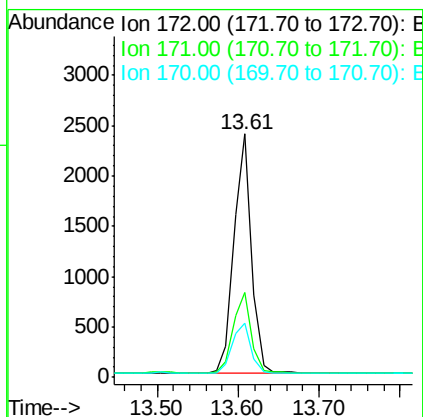
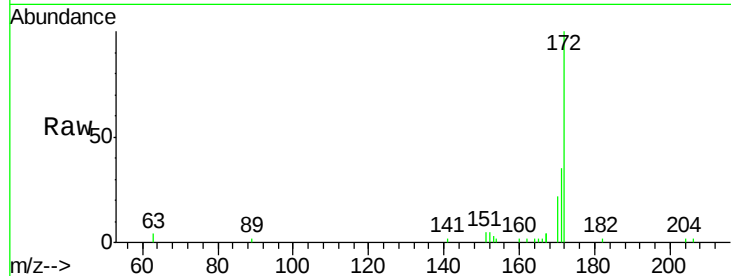




#15
 2-Fluorobiphenyl
 Concen: 0.336 ng
 RT: 13.61 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BE095992.D
 Acq: 13 Apr 2018 12:07

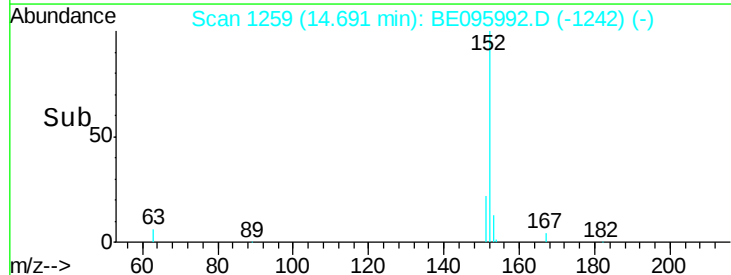
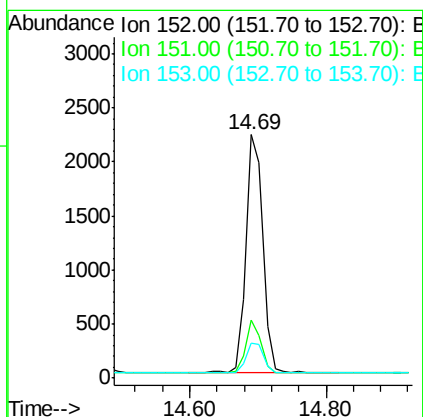
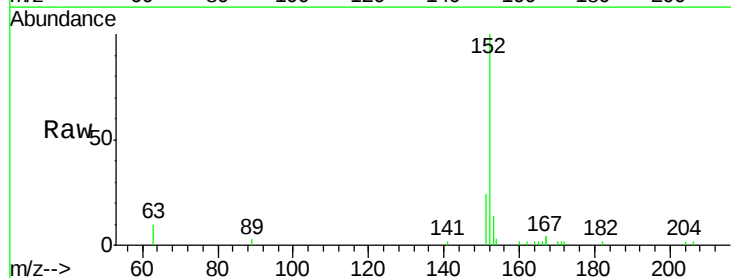
Instrument :
 BNA_E
 ClientSampleId :
 PB108210BSD

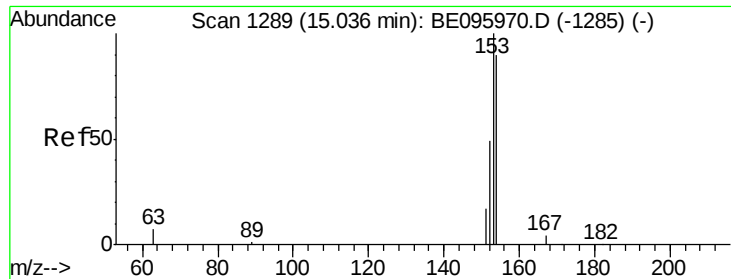
Tgt Ion:172 Resp: 3531
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.9 44.9
 170 22.0 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.289 ng
 RT: 14.69 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: BE095992.D
 Acq: 13 Apr 2018 12:07

Tgt Ion:152 Resp: 3784
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.7 23.5
 153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.293 ng

RT: 15.02 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

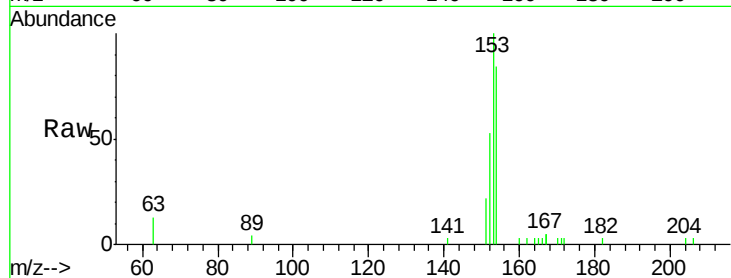
Tgt Ion:154 Resp: 2309

Ion Ratio Lower Upper

154 100

153 115.3 89.2 133.8

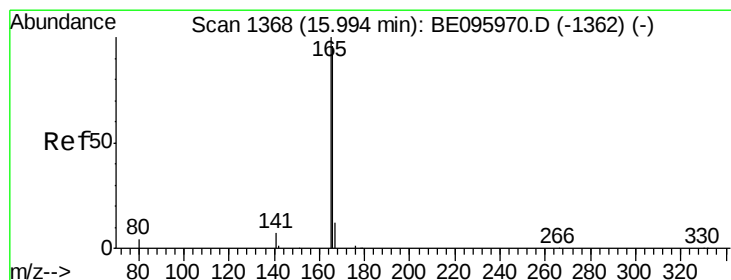
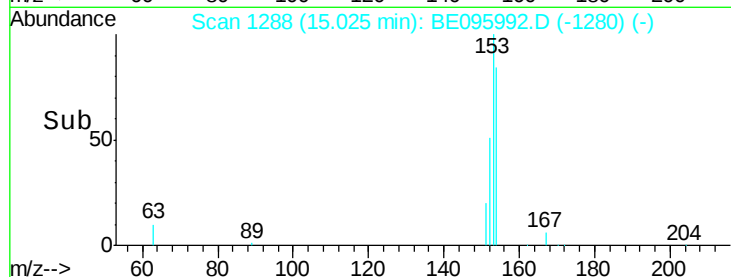
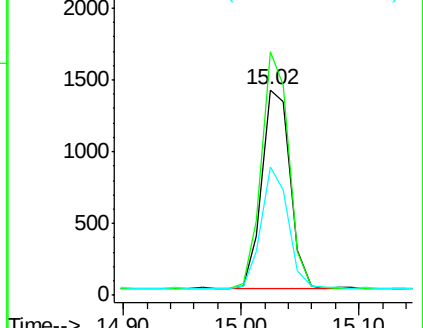
152 58.6 42.0 63.0



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: 0.361 ng

RT: 15.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

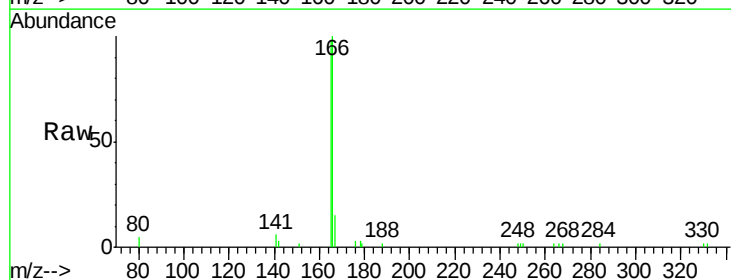
Tgt Ion:166 Resp: 3518

Ion Ratio Lower Upper

166 100

165 83.2 77.8 116.6

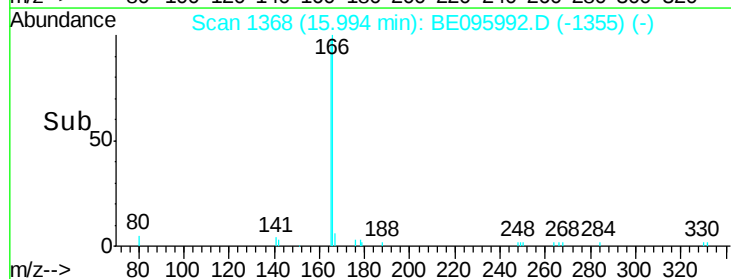
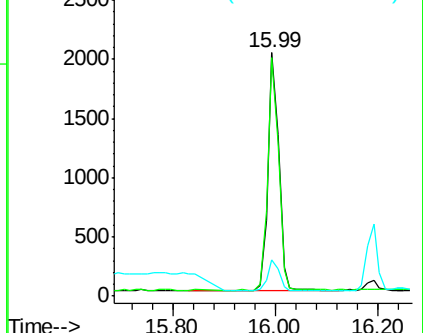
167 11.5 42.4 63.6#



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: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

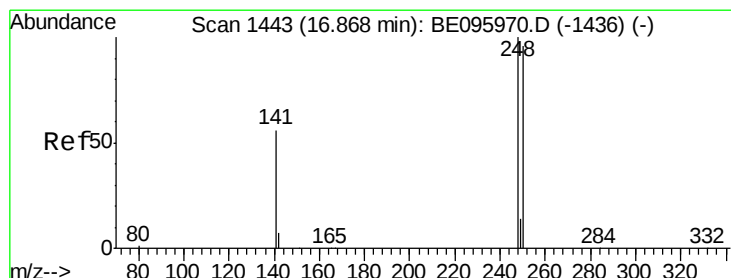
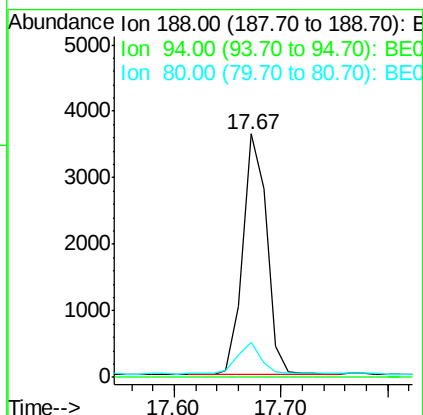
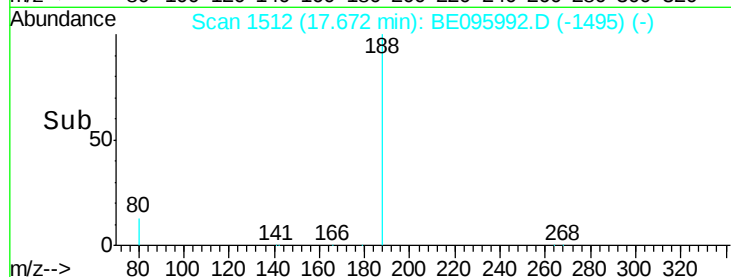
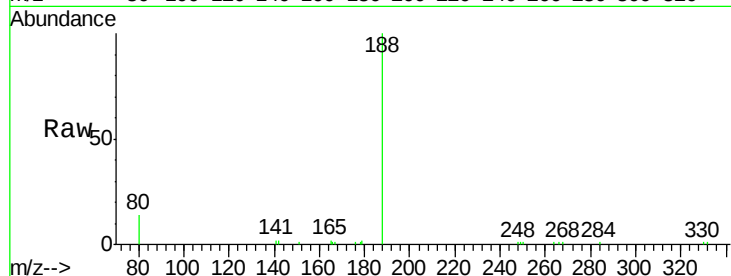
Tgt Ion:188 Resp: 5601

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 14.4 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.268 ng

RT: 16.87 min Scan# 1443

Delta R.T. -0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

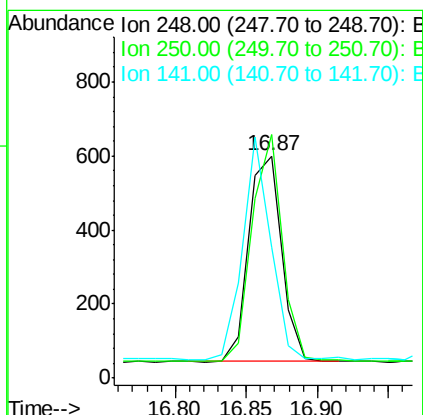
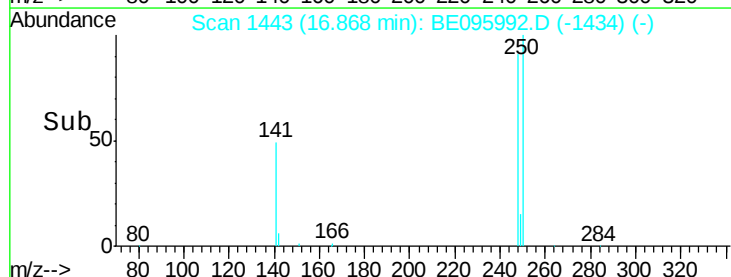
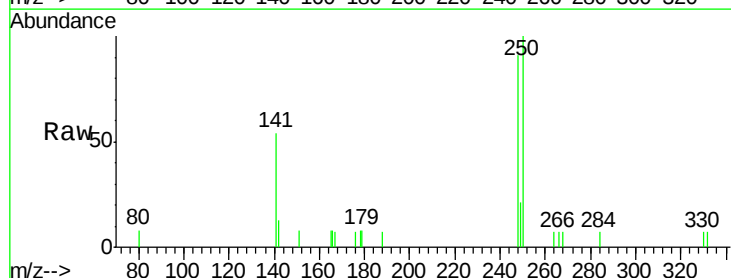
Tgt Ion:248 Resp: 892

Ion Ratio Lower Upper

248 100

250 109.7 62.7 94.1#

141 59.0 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.283 ng

RT: 17.00 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

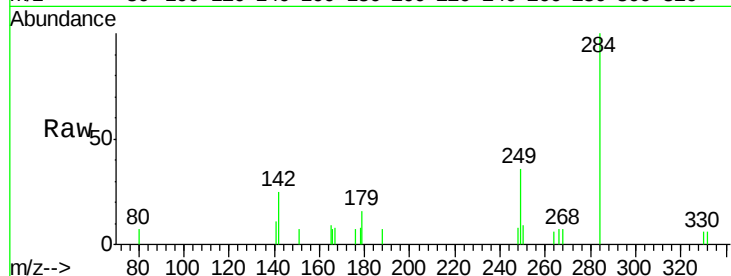
Tgt Ion:284 Resp: 937

Ion Ratio Lower Upper

284 100

142 43.4 22.1 33.1#

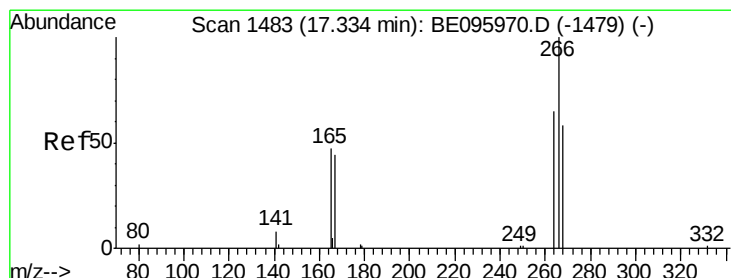
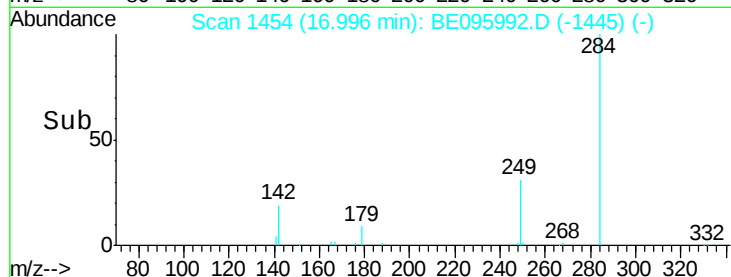
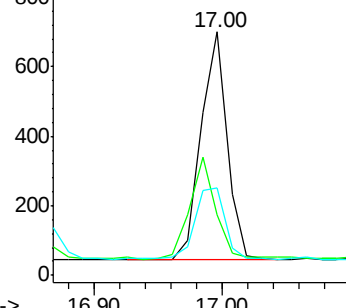
249 35.9 34.8 52.2



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: 0.338 ng

RT: 17.33 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

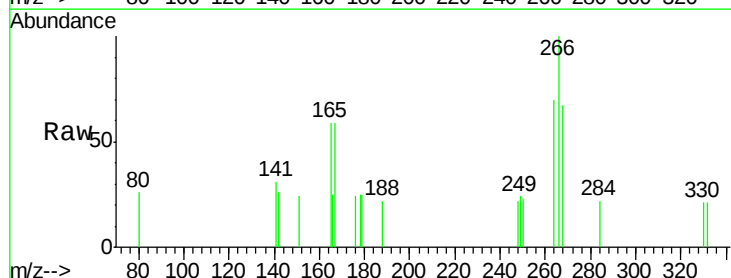
Tgt Ion:266 Resp: 309

Ion Ratio Lower Upper

266 100

264 69.8 72.5 108.7#

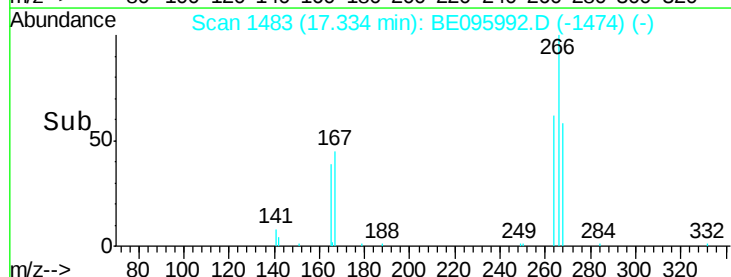
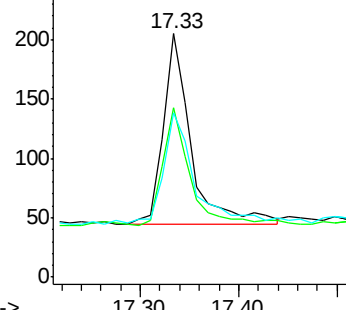
268 67.3 73.8 110.6#

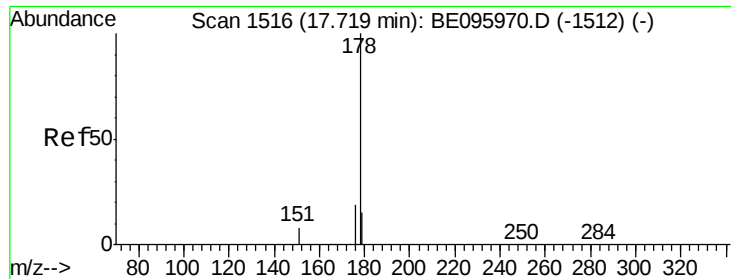


Abundance Ion 266.00 (265.70 to 266.70): E

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: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

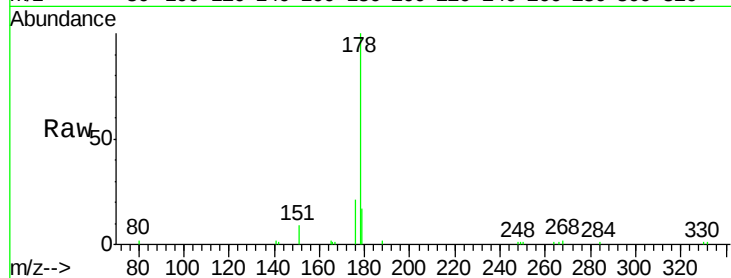
Tgt Ion:178 Resp: 4777

Ion Ratio Lower Upper

178 100

176 19.9 15.1 22.7

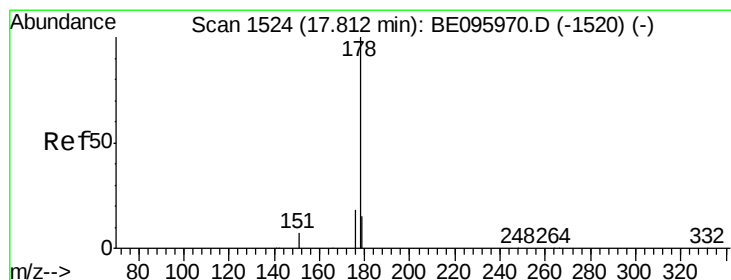
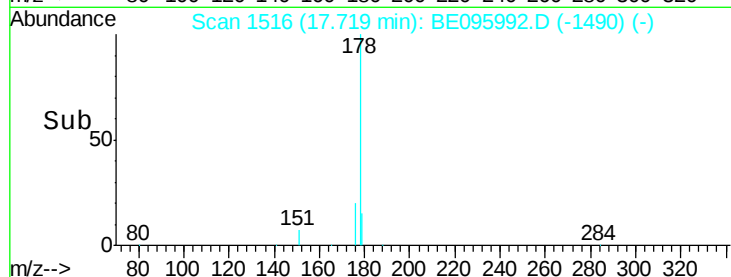
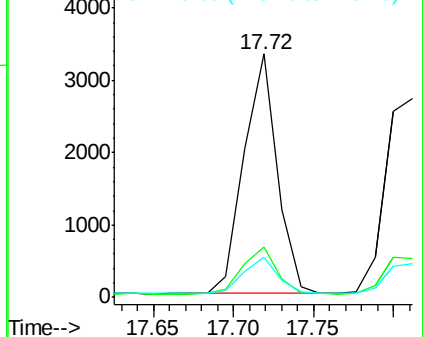
179 15.1 11.8 17.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.302 ng

RT: 17.81 min Scan# 1524

Delta R.T. -0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

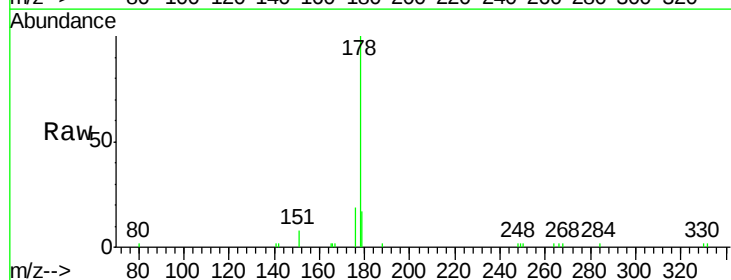
Tgt Ion:178 Resp: 4543

Ion Ratio Lower Upper

178 100

176 19.3 12.8 19.2#

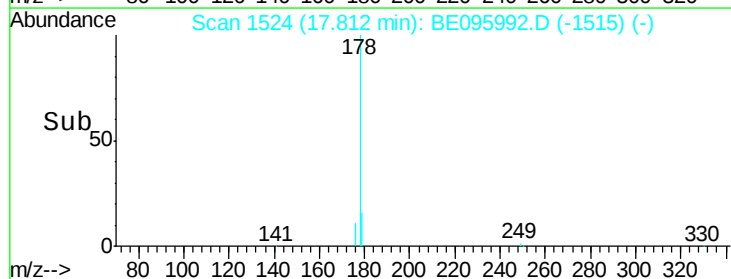
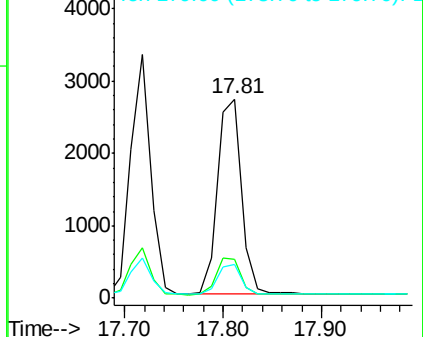
179 15.2 13.0 19.6

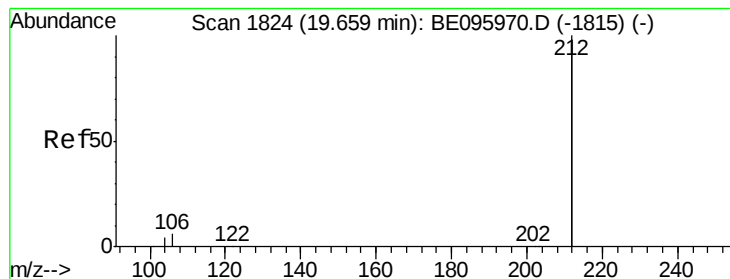


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.279 ng

RT: 19.66 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

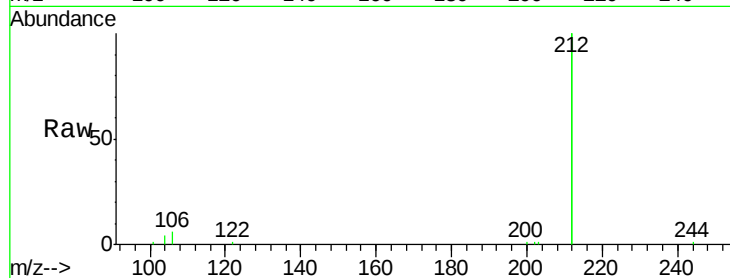
Tgt Ion:212 Resp: 21245

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

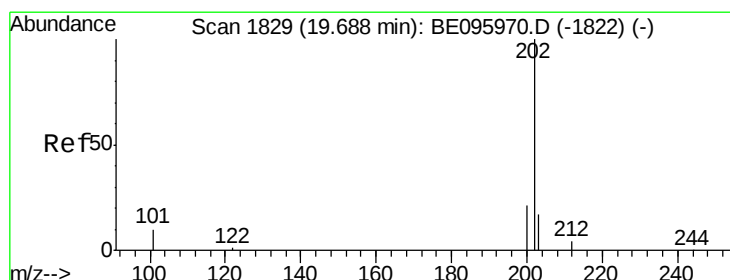
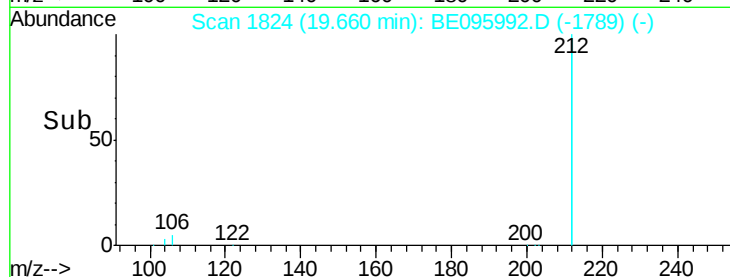
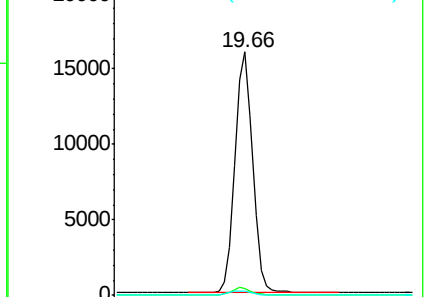
104 1.8 1.6 2.4



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: 0.293 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

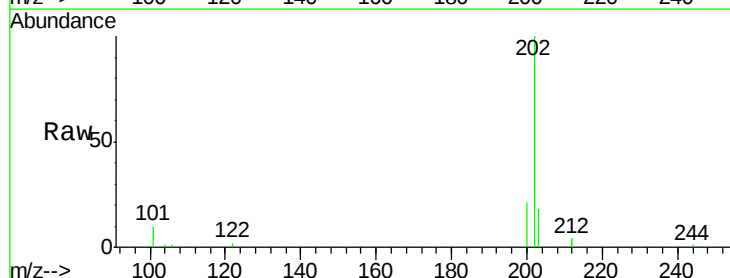
Tgt Ion:202 Resp: 6054

Ion Ratio Lower Upper

202 100

101 9.9 9.8 14.8

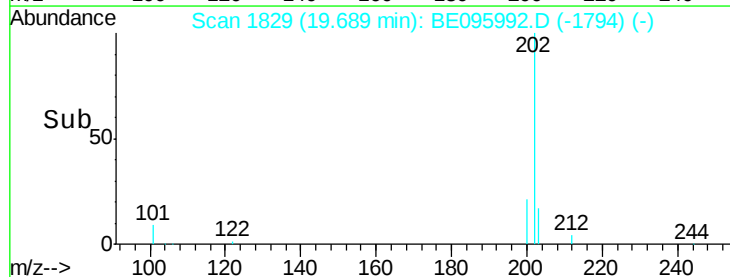
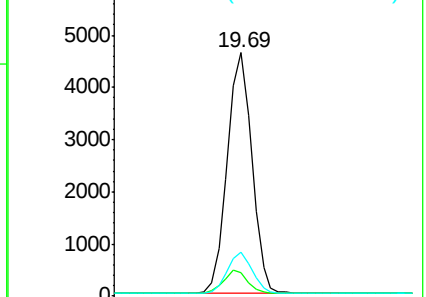
203 17.0 13.7 20.5



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: 21.76 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

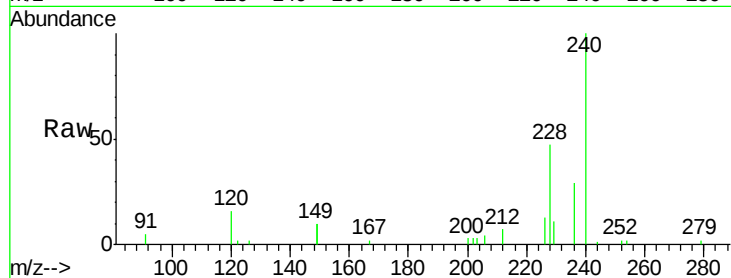
Tgt Ion:240 Resp: 6217

Ion Ratio Lower Upper

240 100

120 16.2 5.5 8.3#

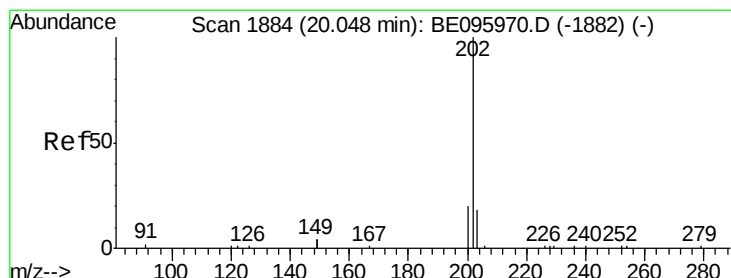
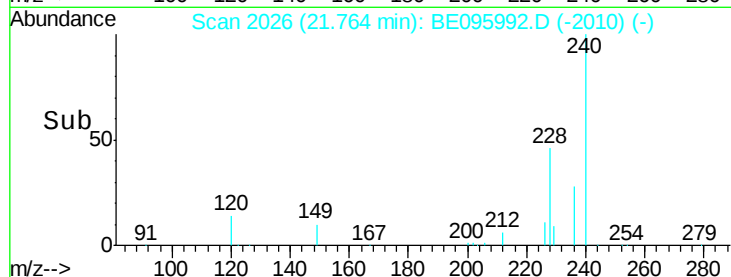
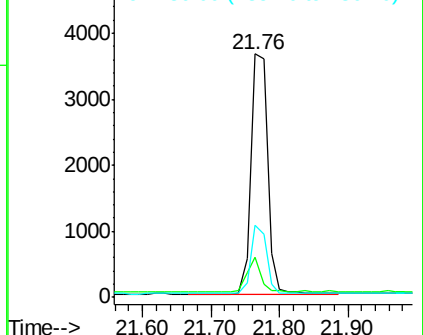
236 29.5 20.7 31.1



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: 0.238 ng

RT: 20.05 min Scan# 1884

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

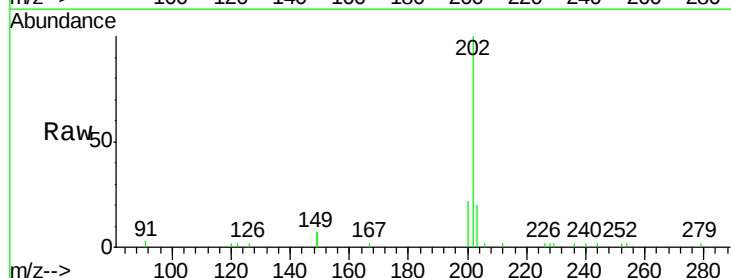
Tgt Ion:202 Resp: 2911

Ion Ratio Lower Upper

202 100

200 17.8 16.6 25.0

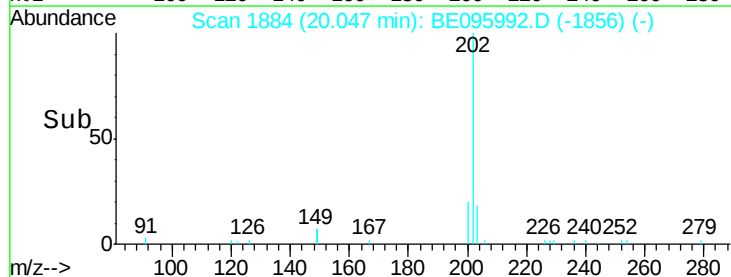
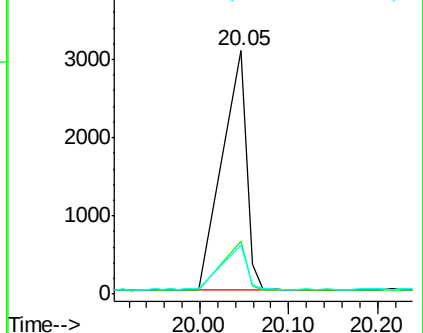
203 18.6 13.8 20.8



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: 0.295 ng

RT: 20.22 min Scan# 1898

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

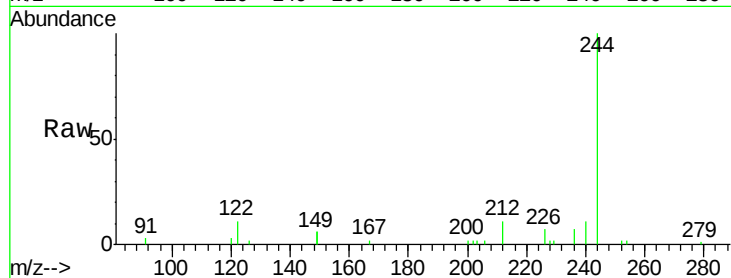
Tgt Ion:244 Resp: 4052

Ion Ratio Lower Upper

244 100

212 10.5 25.4 38.0#

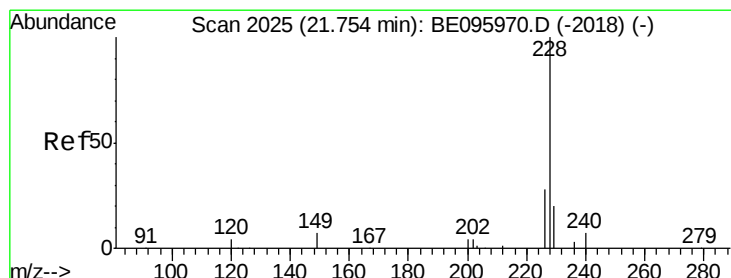
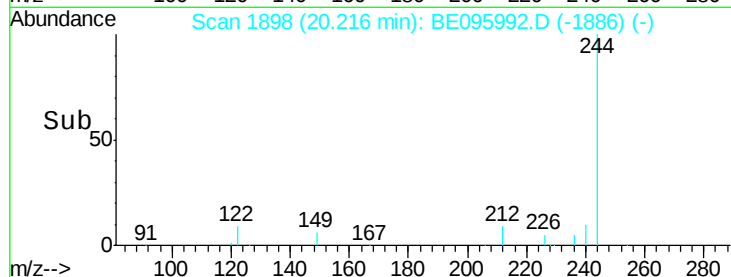
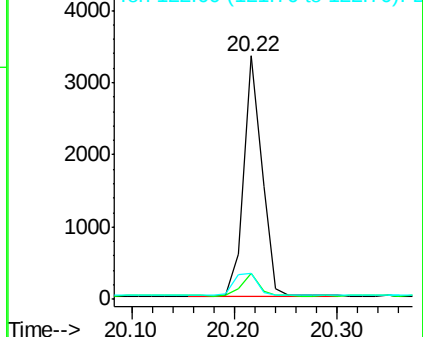
122 10.6 8.1 12.1



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: 0.299 ng

RT: 21.75 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

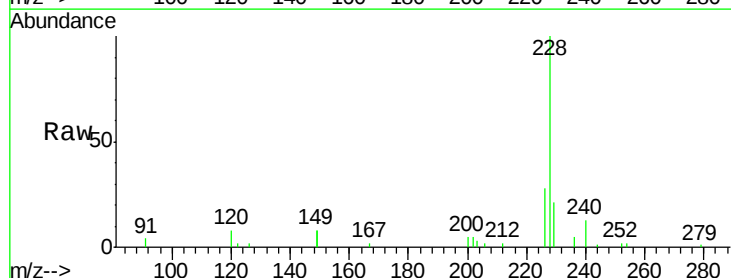
Tgt Ion:228 Resp: 5967

Ion Ratio Lower Upper

228 100

226 28.1 24.0 36.0

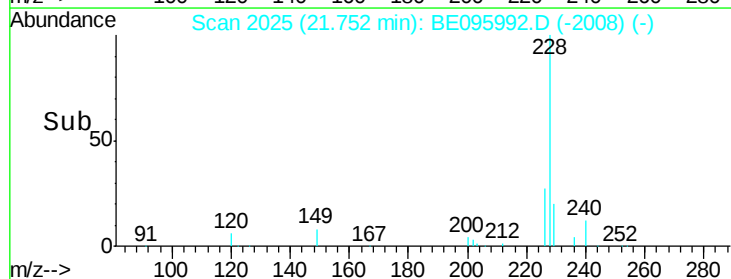
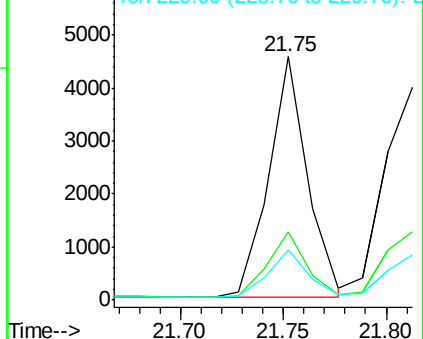
229 20.9 16.0 24.0

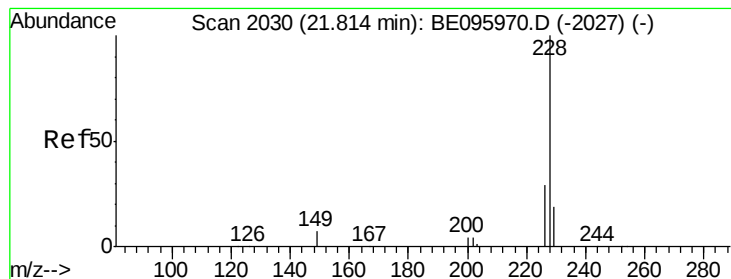


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.304 ng

RT: 21.81 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

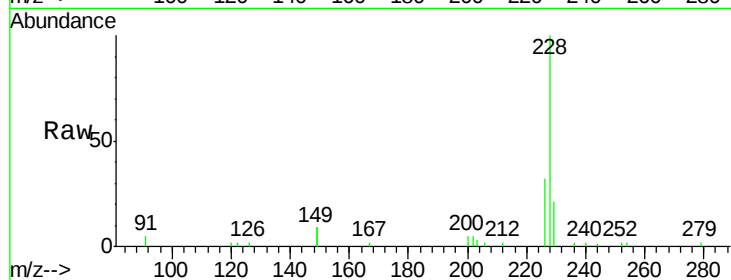
Tgt Ion:228 Resp: 5854

Ion Ratio Lower Upper

228 100

226 31.9 24.0 36.0

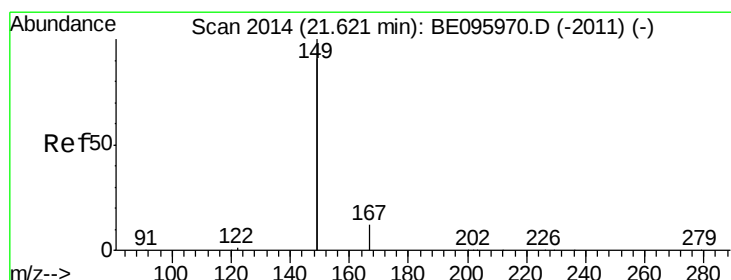
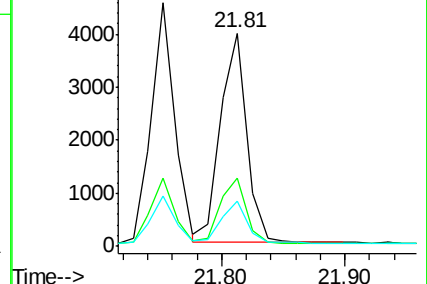
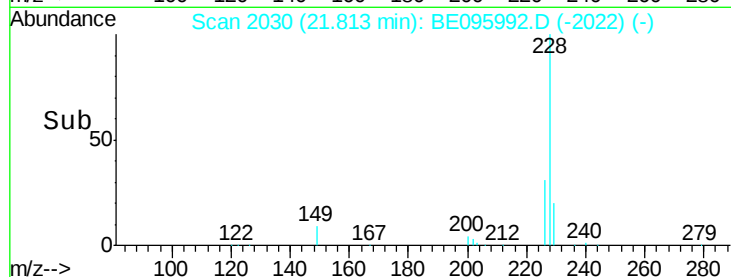
229 21.2 16.0 24.0



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: 0.272 ng

RT: 21.62 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

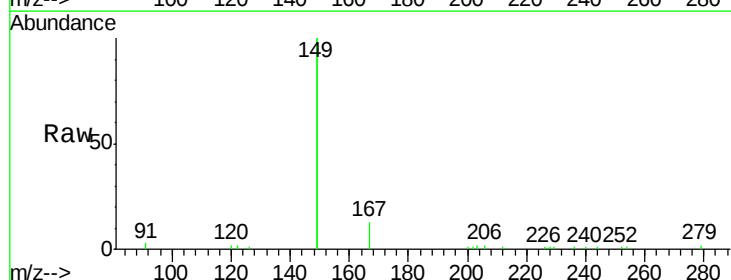
Tgt Ion:149 Resp: 14013

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

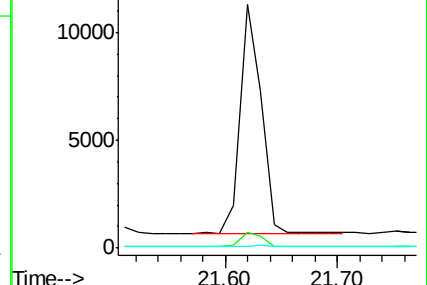
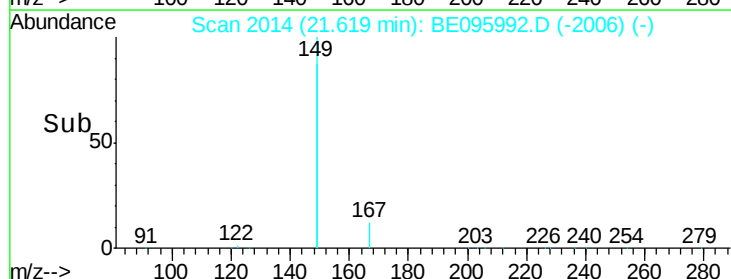
279 0.8 0.7 1.1



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: 0.333 ng

RT: 27.18 min Scan# 3486

Delta R.T. 0.00 min

Lab File: BE095992.D

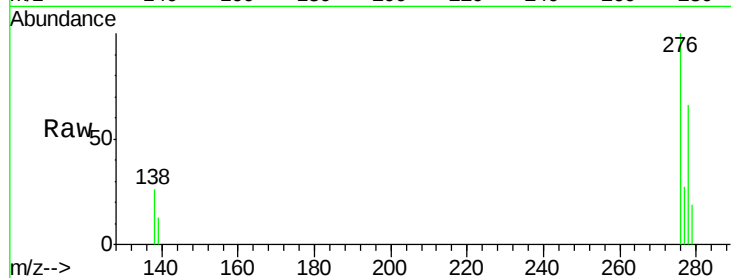
Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD



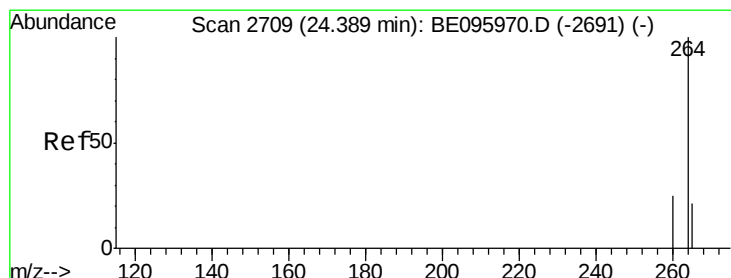
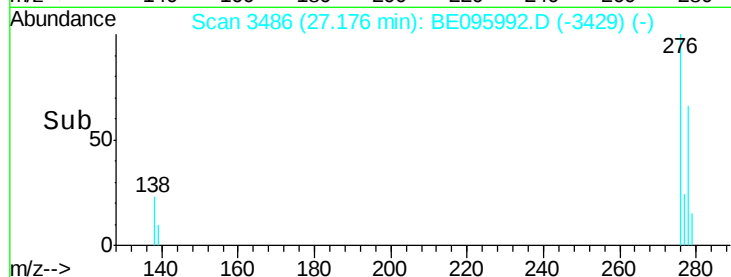
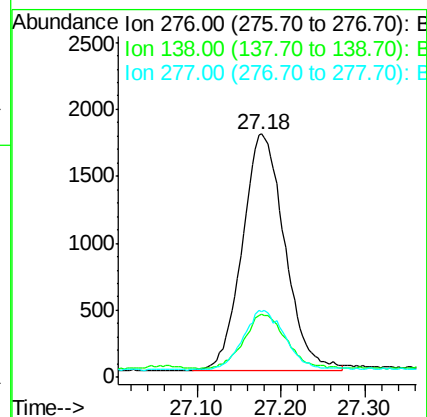
Tgt Ion:276 Resp: 6217

Ion Ratio Lower Upper

276 100

138 23.1 22.5 33.7

277 24.4 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: BE095992.D

Acq: 13 Apr 2018 12:07

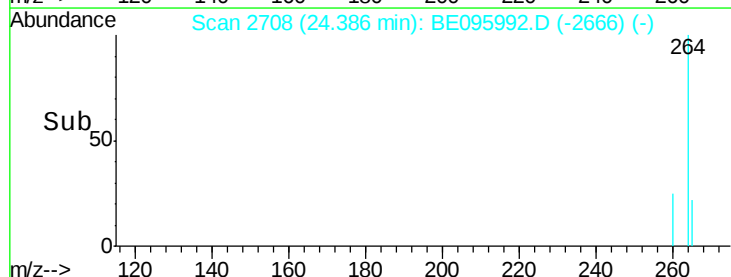
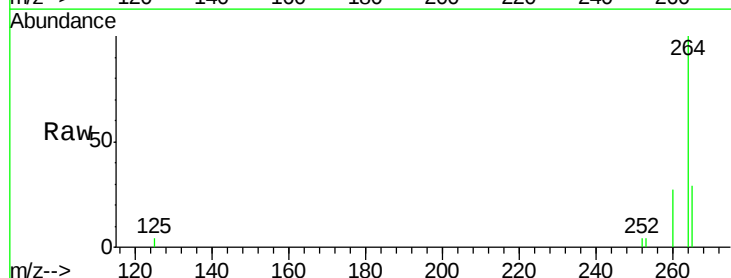
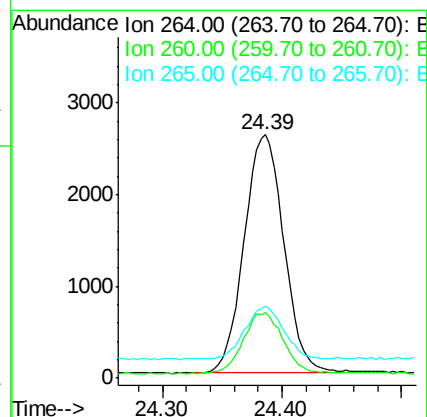
Tgt Ion:264 Resp: 6016

Ion Ratio Lower Upper

264 100

260 26.9 20.5 30.7

265 29.4 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.320 ng

RT: 23.57 min Scan# 2480

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

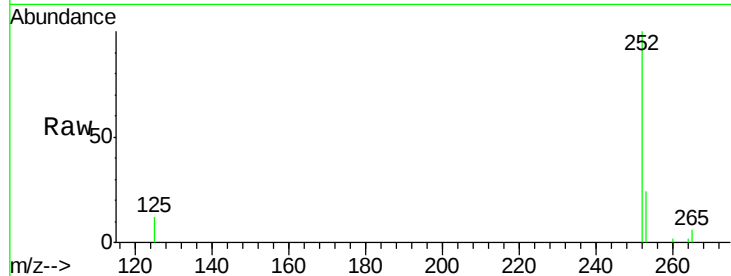
Tgt Ion:252 Resp: 5775

Ion Ratio Lower Upper

252 100

253 24.3 20.0 30.0

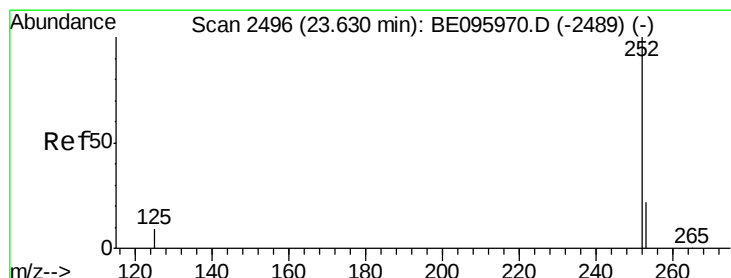
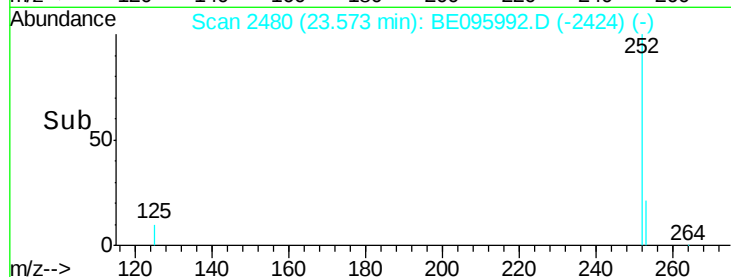
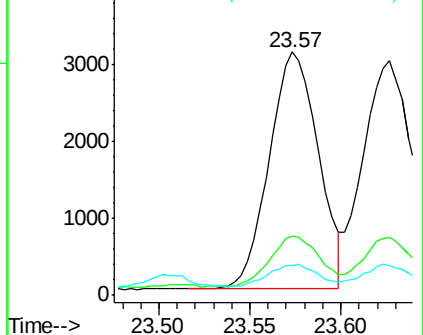
125 12.5 16.0 24.0#



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: 0.315 ng

RT: 23.63 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

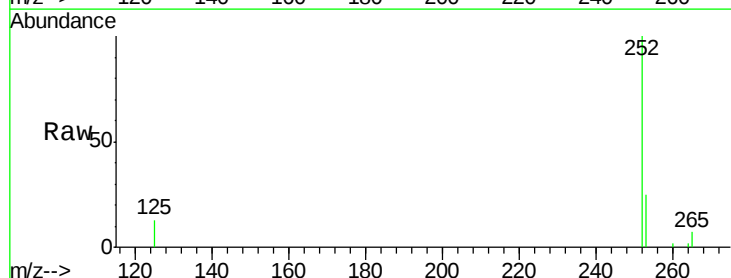
Tgt Ion:252 Resp: 5838

Ion Ratio Lower Upper

252 100

253 24.5 16.0 24.0#

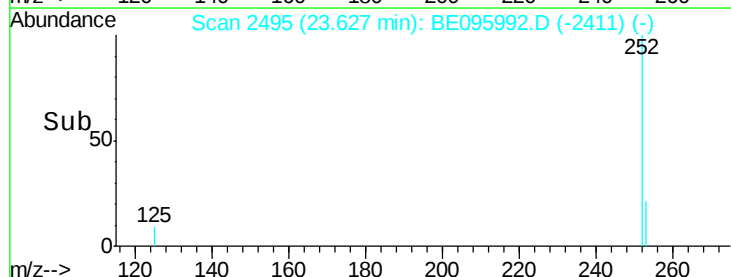
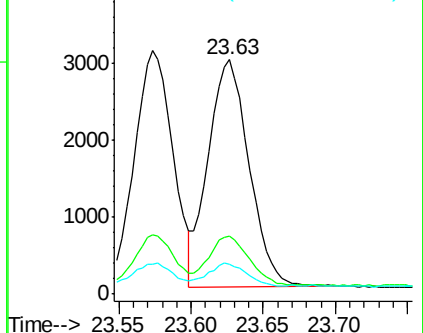
125 12.5 8.0 12.0#



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: 24.27 min Scan# 2675

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD

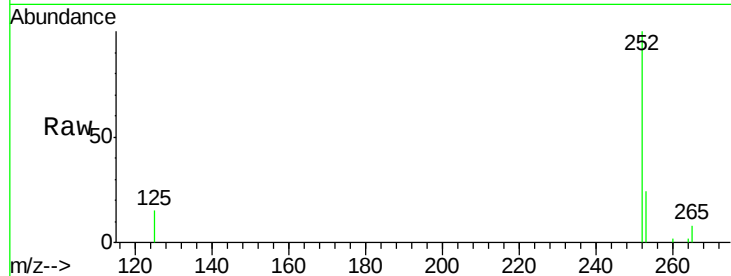
Tgt Ion:252 Resp: 5522

Ion Ratio Lower Upper

252 100

253 24.1 16.0 24.0#

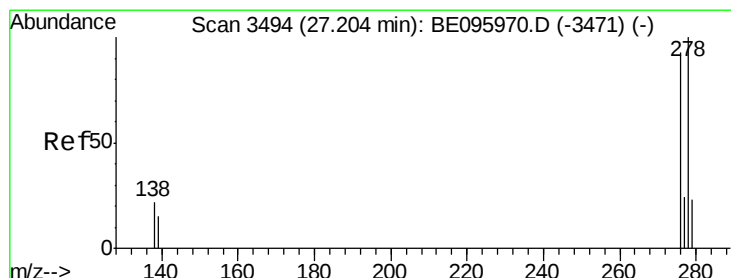
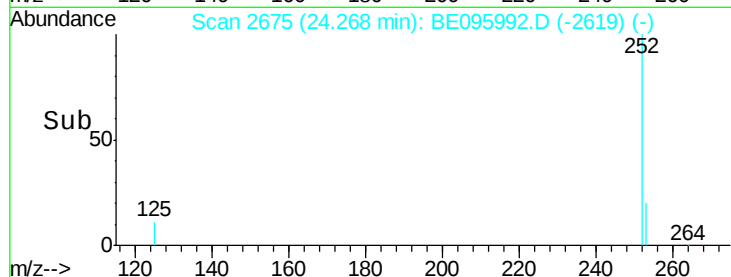
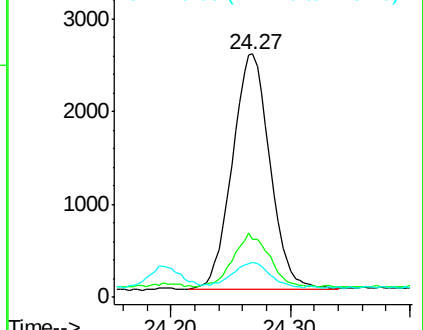
125 14.5 12.0 18.0



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: 0.327 ng

RT: 27.19 min Scan# 3491

Delta R.T. 0.00 min

Lab File: BE095992.D

Acq: 13 Apr 2018 12:07

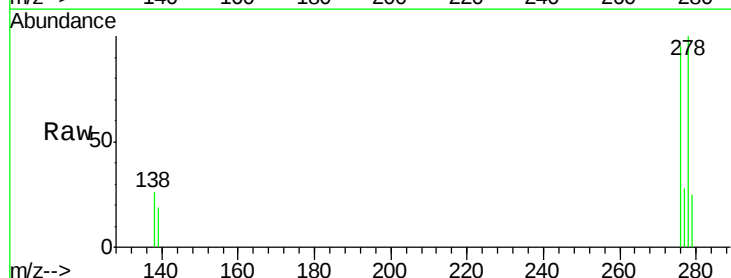
Tgt Ion:278 Resp: 5000

Ion Ratio Lower Upper

278 100

139 18.7 16.0 24.0

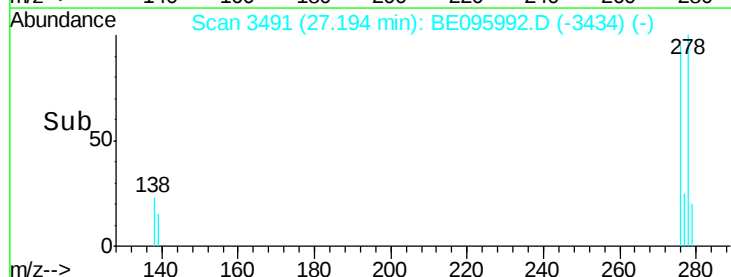
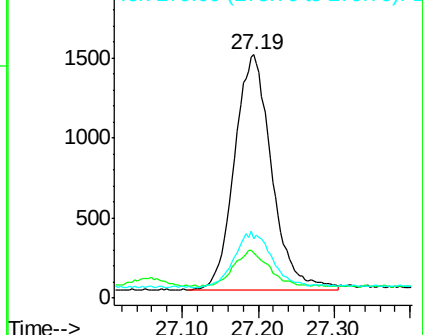
279 24.5 20.0 30.0



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: 0.329 ng

RT: 28.05 min Scan# 3730

Delta R.T. 0.00 min

Lab File: BE095992.D

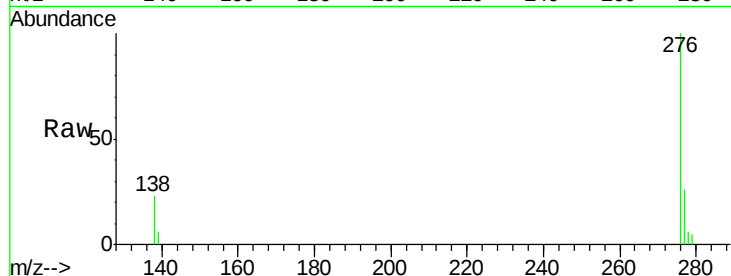
Acq: 13 Apr 2018 12:07

Instrument :

BNA_E

ClientSampleId :

PB108210BSD



Tgt Ion: 276 Resp: 5323

Ion Ratio Lower Upper

276 100

277 26.4 16.0 24.0#

138 22.9 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

