

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE032318\
 Data File : BE095824.D
 Acq On : 23 Mar 2018 14:47
 Operator : SJ/JU
 Sample : J1888-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Mar 23 23:22:37 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1235	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4383	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2562	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	6012	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7185	0.40	ng	0.00
34) Perylene-d12	24.44	264	6826	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	440995	108.32	ng	0.00
5) Phenol-d6	7.57	99	642745	114.81	ng	0.00
8) Nitrobenzene-d5	9.61	82	467553	90.29	ng	0.01
11) 2-Methylnaphthalene-d10	12.79	152	2	0.00	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	207668	140.46	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	862021	79.83	ng	0.00
25) Fluoranthene-d10	19.68	212	64	0.00	ng	-0.01
29) Terphenyl-d14	20.25	244	1327212	86.98	ng	0.01

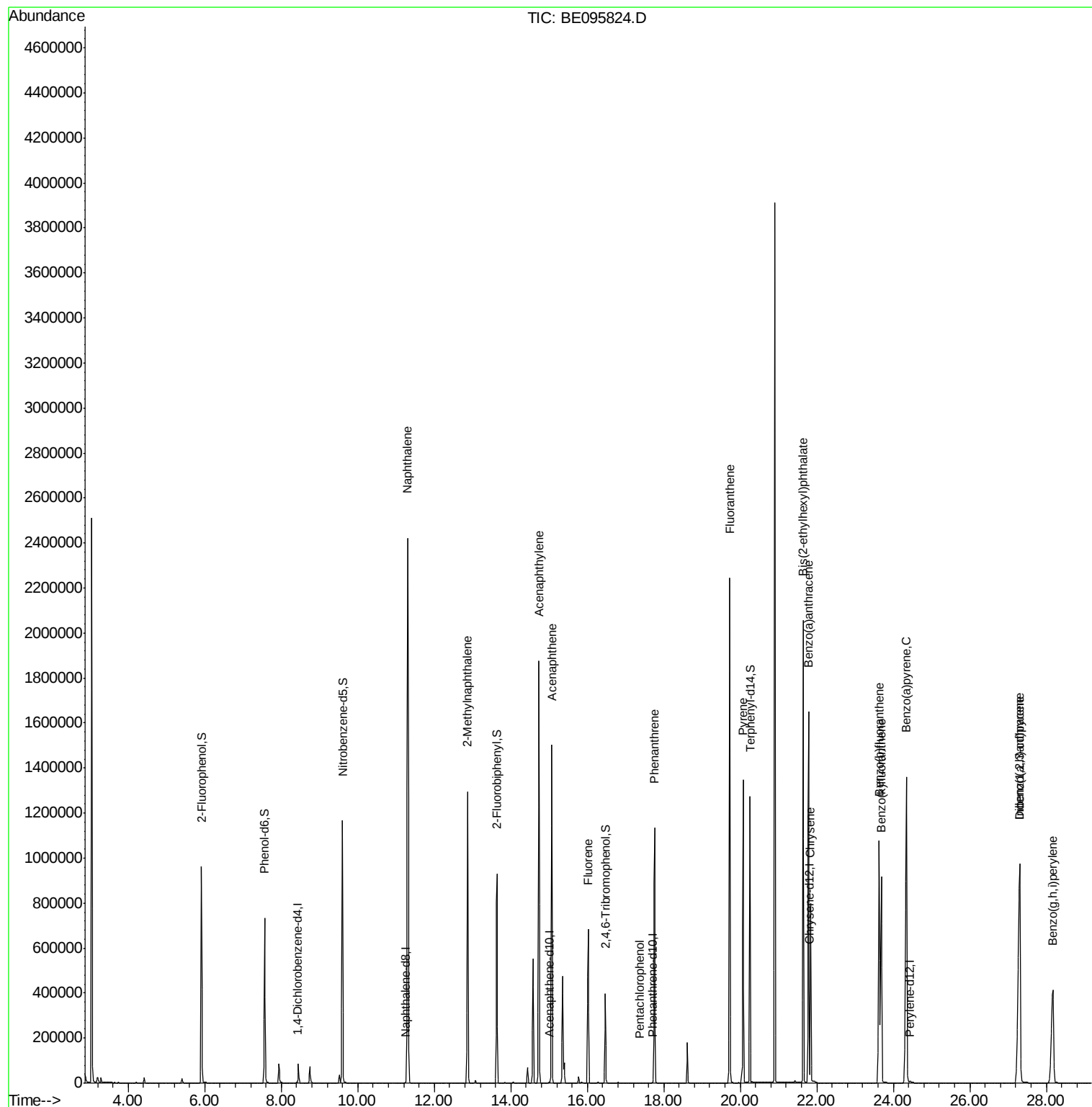
Target Compounds					Qvalue	
9) Naphthalene	11.31	128	3840034	76.707	ng	99
12) 2-Methylnaphthalene	12.87	142	870963	101.872	ng	94
16) Acenaphthylene	14.74	152	2075800	141.670	ng	98
17) Acenaphthene	15.07	154	767812	85.914	ng	95
18) Fluorene	16.03	166	442404	37.633	ng	# 78
22) Pentachlorophenol	17.37	266	66	0.179	ng	98
23) Phenanthrene	17.75	178	1287204	71.523	ng	99
26) Fluoranthene	19.72	202	2173670	86.955	ng	# 96
28) Pyrene	20.07	202	1487920	50.840	ng	98
30) Benzo(a)anthracene	21.79	228	1550473	62.227	ng	98
31) Chrysene	21.84	228	755472	33.226	ng	97
32) Bis(2-ethylhexyl)phthalate	21.64	149	2377199	31.196	ng	100
33) Indeno(1,2,3-cd)pyrene	27.29	276	1687690	68.891	ng	# 91
35) Benzo(b)fluoranthene	23.63	252	1823396	80.751	ng	# 85
36) Benzo(k)fluoranthene	23.68	252	1314299	58.190	ng	95
37) Benzo(a)pyrene	24.34	252	2579701	121.875	ng	# 91
38) Dibenzo(a,h)anthracene	27.30	278	1005287	49.988	ng	# 92
39) Benzo(a,h,i)perylene	28.17	276	1168306	57.839	ng	# 89

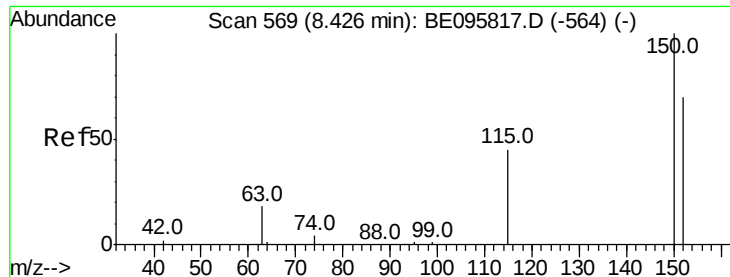
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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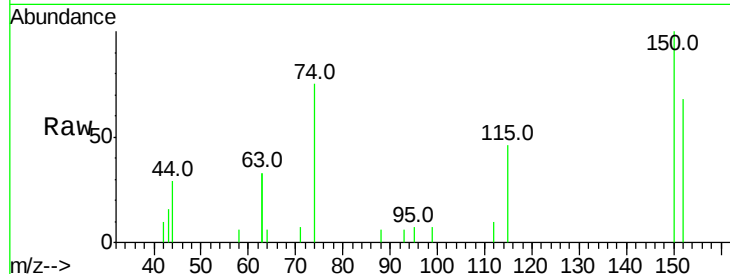


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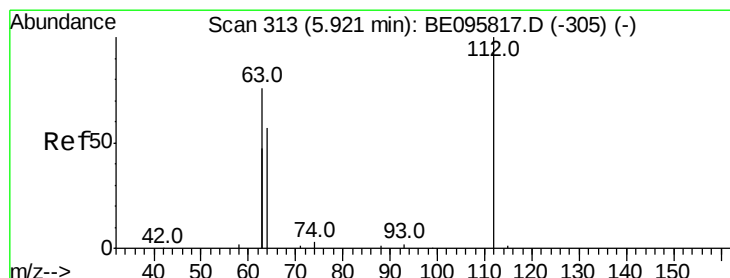
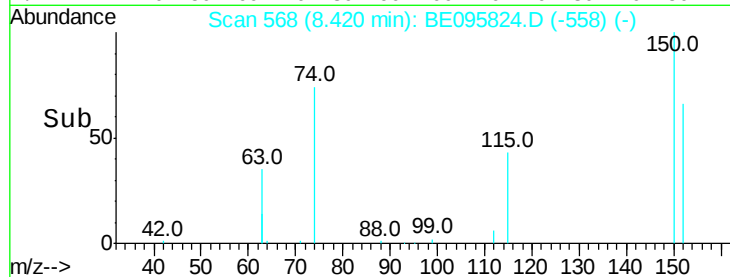
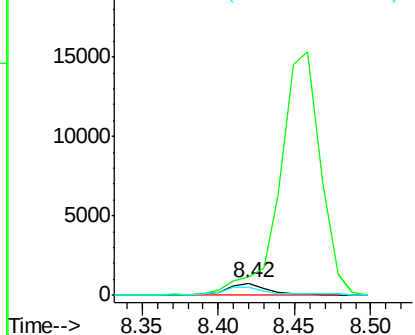
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1235
Ion Ratio Lower Upper
152 100
150 147.4 117.2 175.8
115 68.1 57.0 85.6



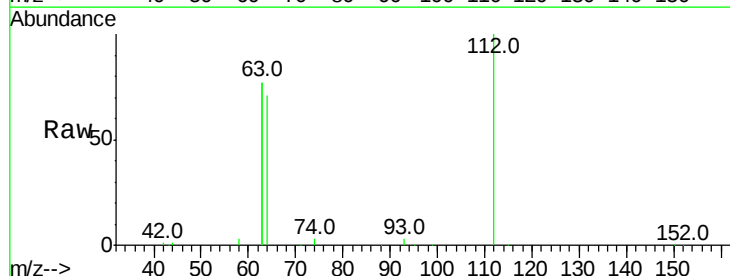
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



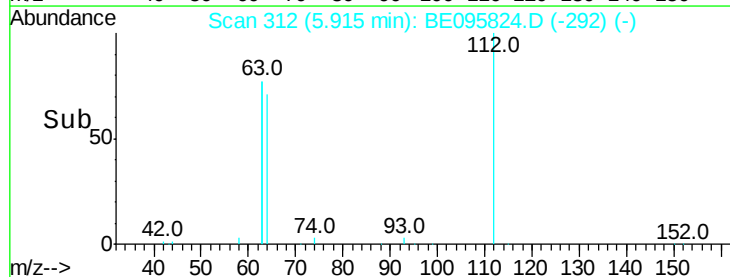
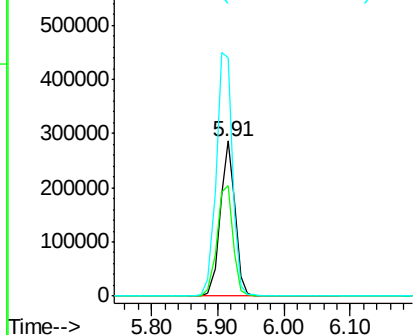
#4

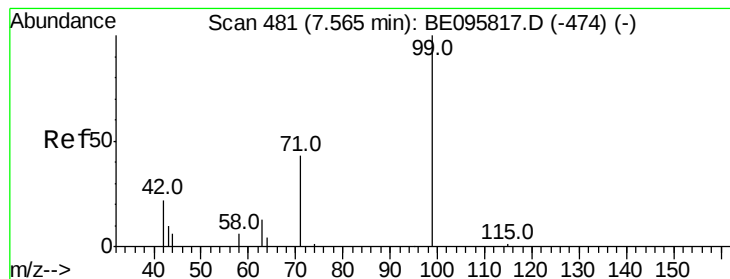
2-Fluorophenol
Concen: 108.323 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Tgt Ion:112 Resp: 440995
Ion Ratio Lower Upper
112 100
64 77.0 60.1 90.1
63 173.0 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 114.810 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampled :

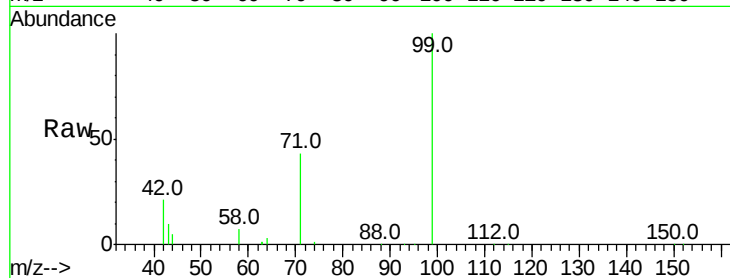
Tot Ion: 99 Resp: 642745

Ion Ratio Lower Upper

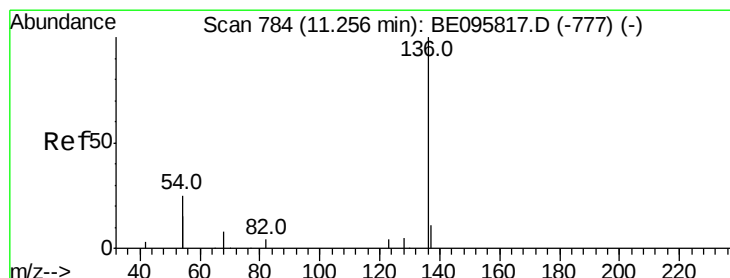
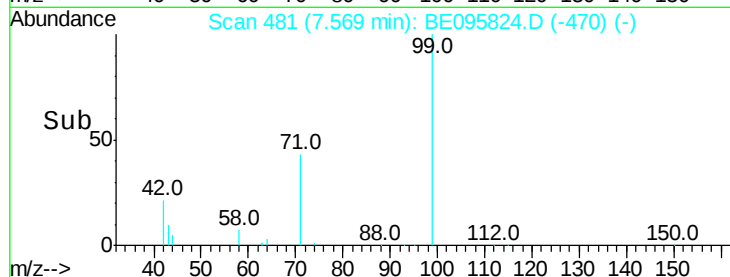
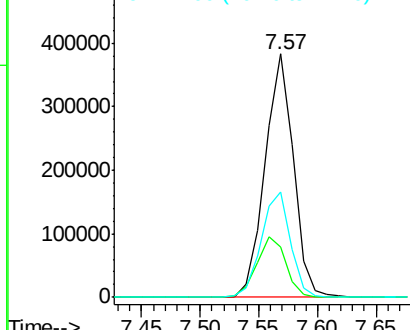
99 100

42 25.7 20.2 30.2

71 44.5 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: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Tgt Ion:136 Resp: 4383

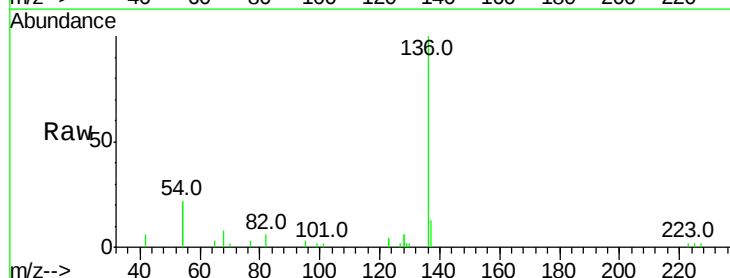
Ion Ratio Lower Upper

136 100

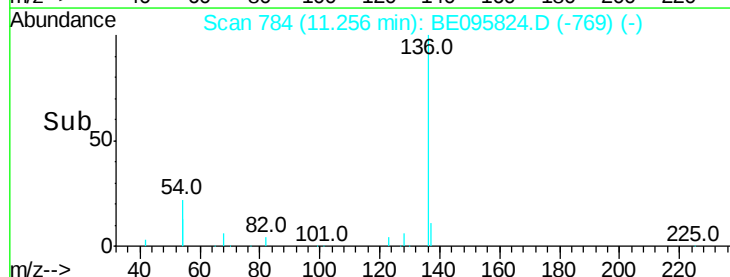
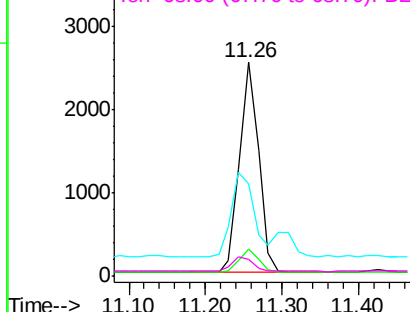
137 12.8 9.5 14.3

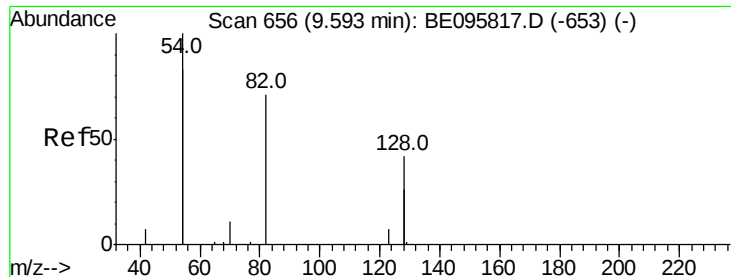
54 43.3 29.1 43.7

68 8.1 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: 90.294 ng

RT: 9.61 min Scan# 657

Delta R.T. 0.01 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampleId :

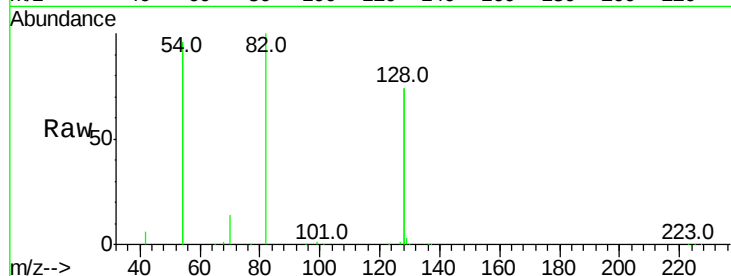
Tot Ion: 82 Resp: 467553

Ion Ratio Lower Upper

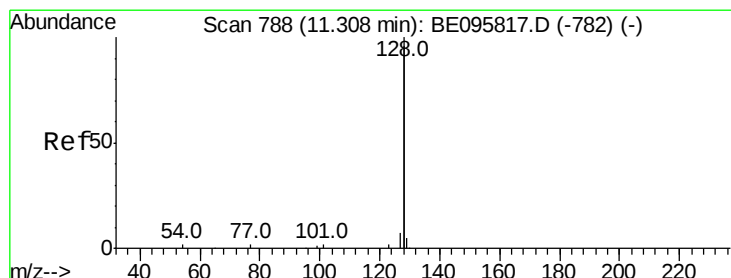
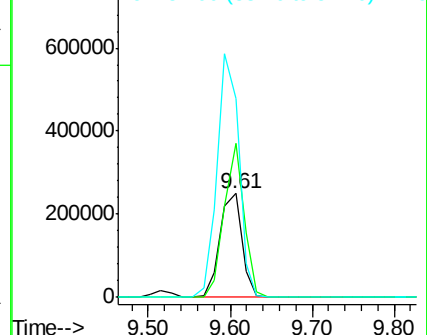
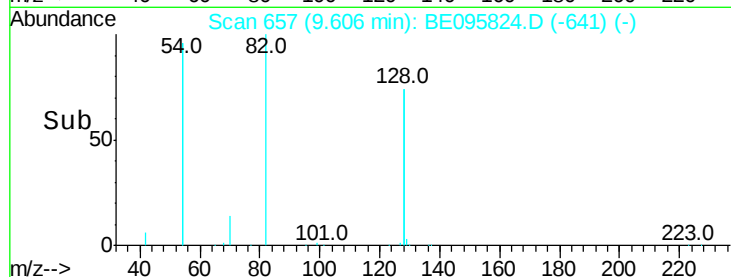
82 100

128 148.4 150.0 225.0#

54 191.6 154.2 231.4



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 76.707 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

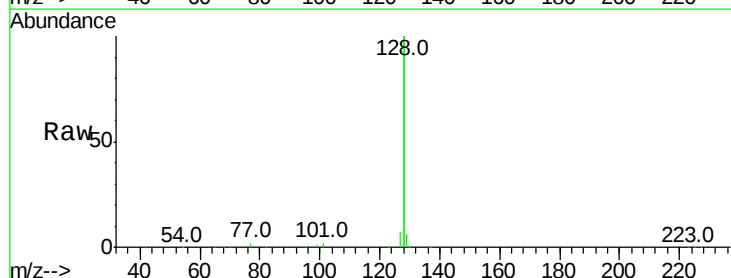
Tgt Ion:128 Resp: 3840034

Ion Ratio Lower Upper

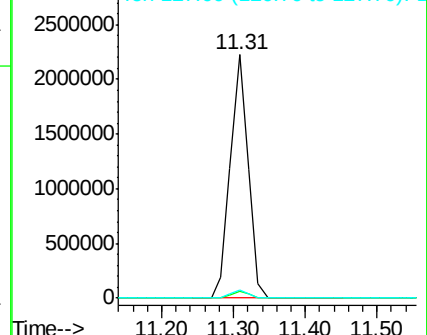
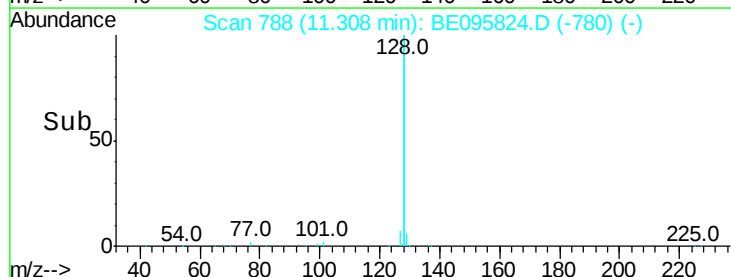
128 100

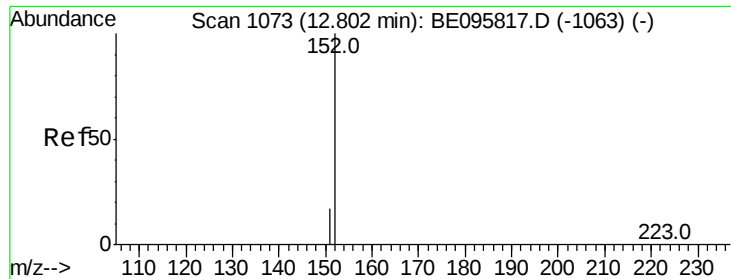
129 2.8 2.6 3.8

127 3.5 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

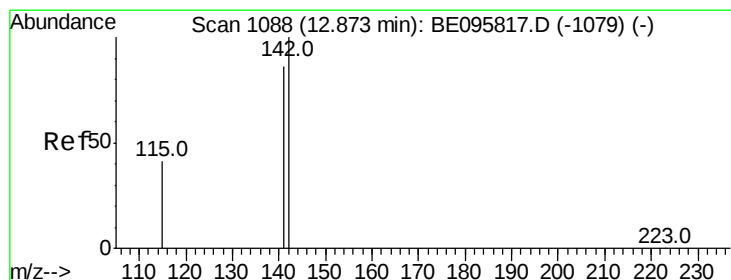
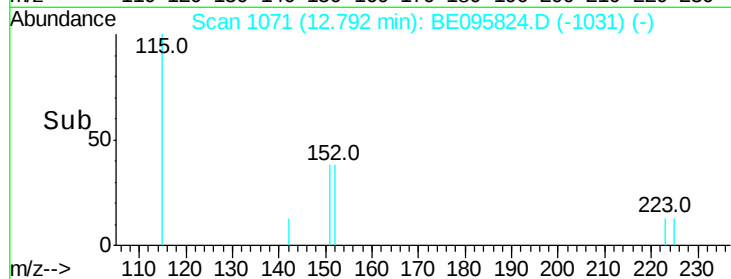
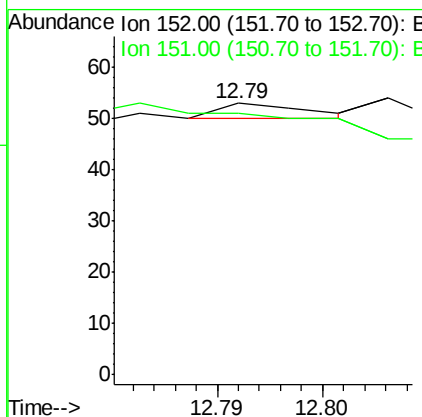
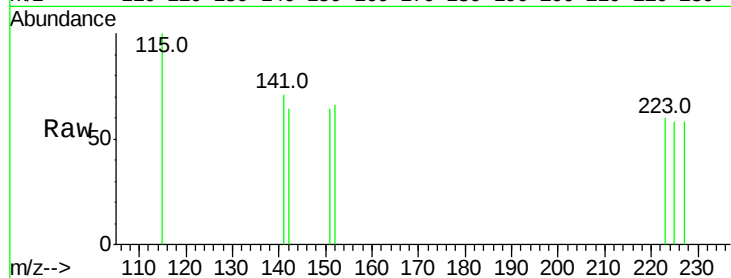




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 RT: 12.79 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BE095824.D
 Acq: 23 Mar 2018 14:47

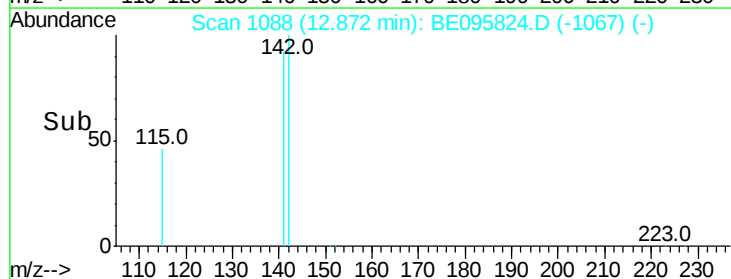
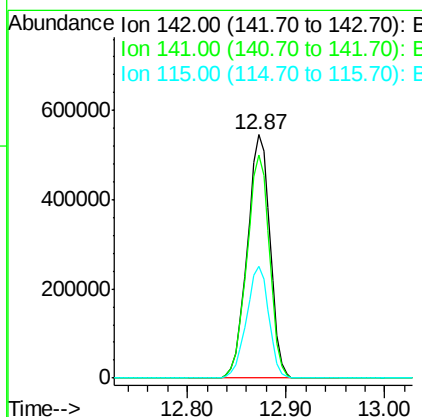
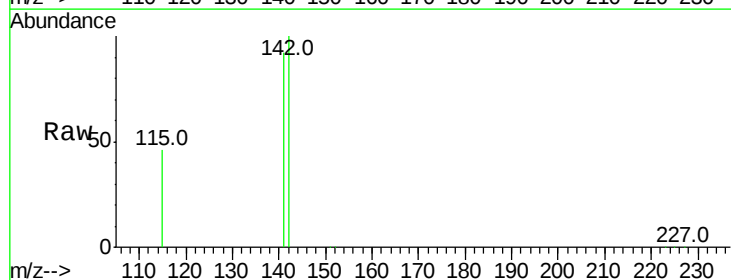
Instrument :
 BNA_E
 ClientSampleId :

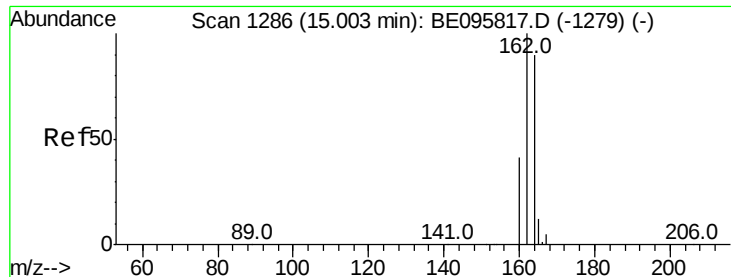
Tot Ion:152 Resp: 2
 Ion Ratio Lower Upper
 152 100
 151 0.0 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 101.872 ng
 RT: 12.87 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: BE095824.D
 Acq: 23 Mar 2018 14:47

Tgt Ion:142 Resp: 870963
 Ion Ratio Lower Upper
 142 100
 141 91.7 70.4 105.6
 115 45.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampleId :

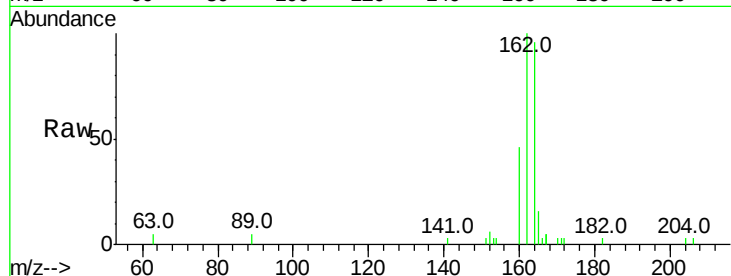
Tot Ion:164 Resp: 2562

Ion Ratio Lower Upper

164 100

162 104.2 83.1 124.7

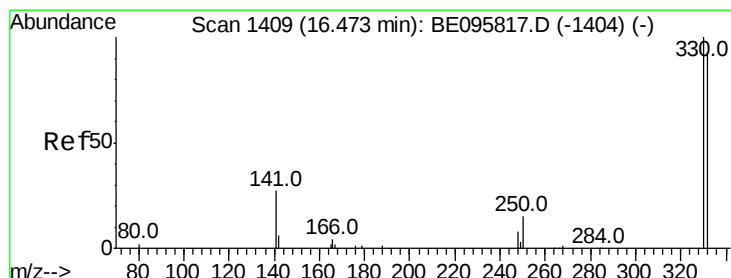
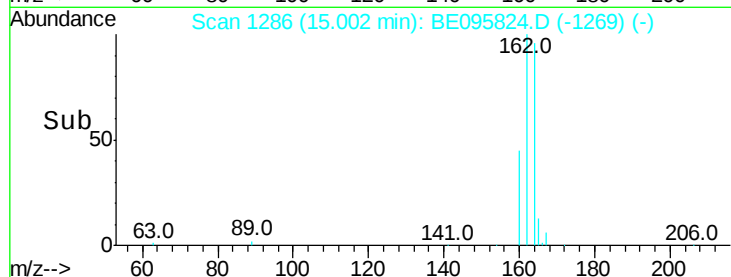
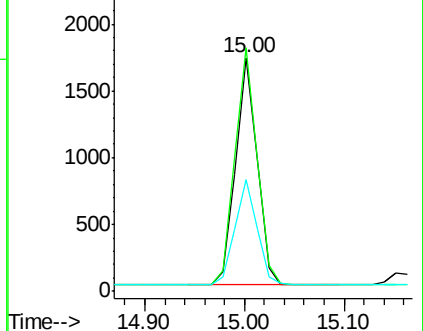
160 48.0 37.1 55.7



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: 140.460 ng

RT: 16.47 min Scan# 1409

Delta R.T. 0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

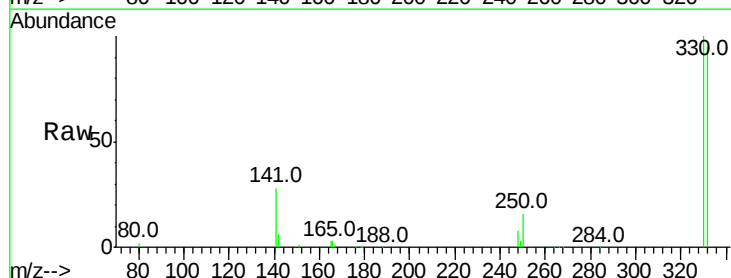
Tgt Ion:330 Resp: 207668

Ion Ratio Lower Upper

330 100

332 96.7 152.7 229.1#

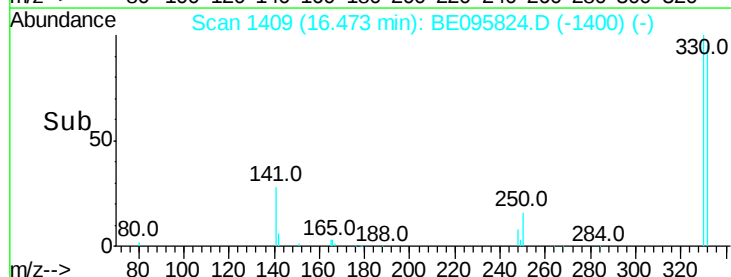
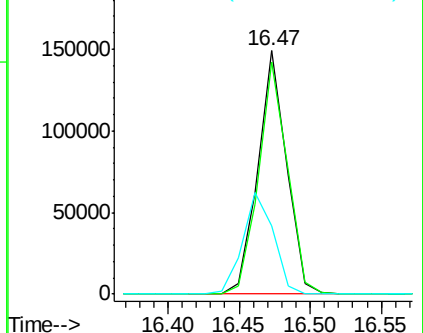
141 45.2 33.7 50.5

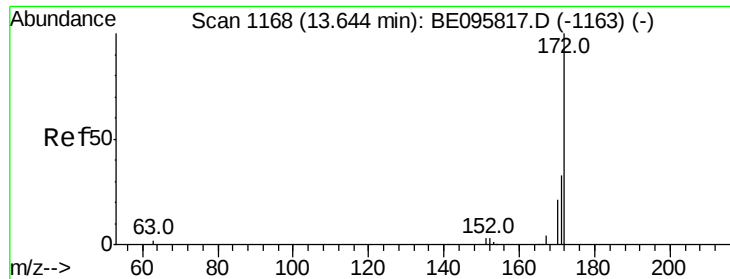


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

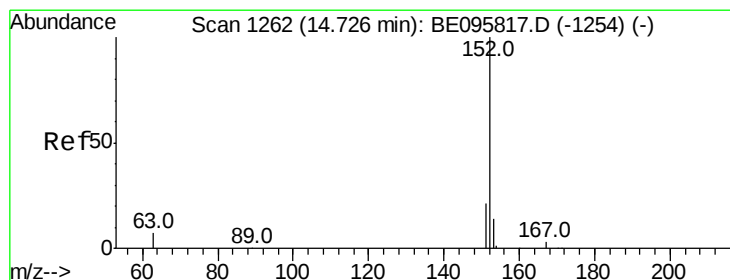
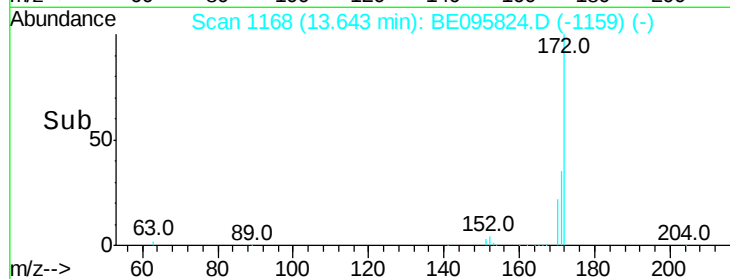
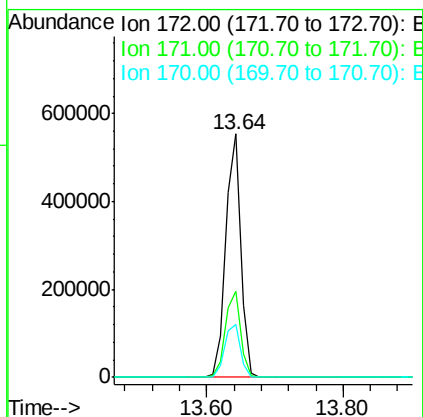
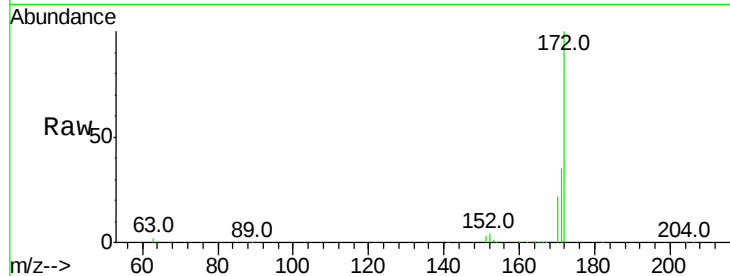




#15
2-Fluorobiphenyl
Concen: 79.832 ng
RT: 13.64 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

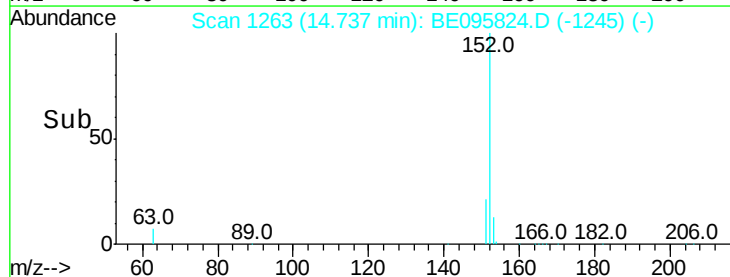
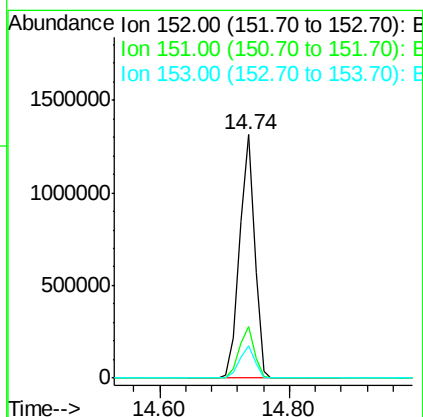
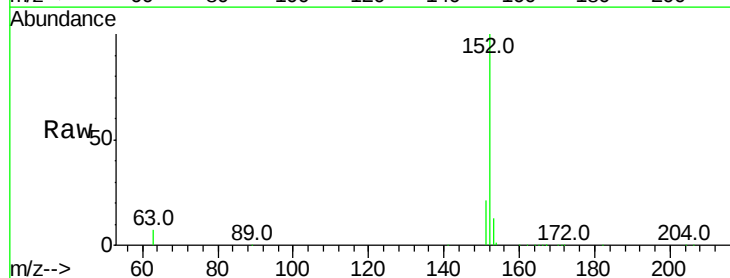
Instrument :
BNA_E
ClientSampleId :

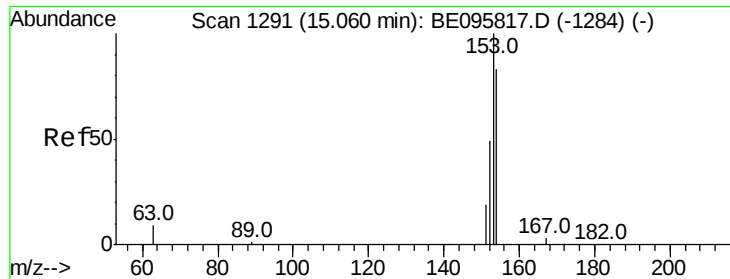
Tot Ion:172 Resp: 862021
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 21.8 21.8 32.8



#16
Acenaphthylene
Concen: 141.670 ng
RT: 14.74 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Tgt Ion:152 Resp: 2075800
Ion Ratio Lower Upper
152 100
151 21.0 15.7 23.5
153 13.4 10.5 15.7





#17

Acenaphthene

Concen: 85.914 ng

RT: 15.07 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampleId :

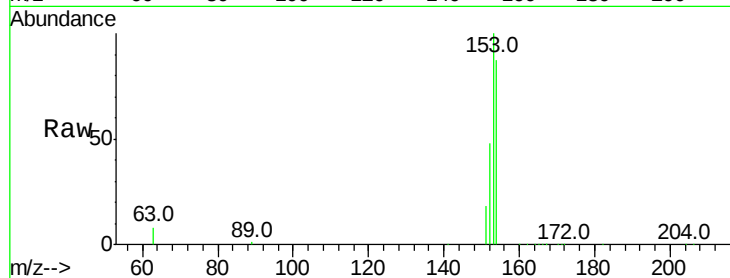
Tot Ion:154 Resp: 767812

Ion Ratio Lower Upper

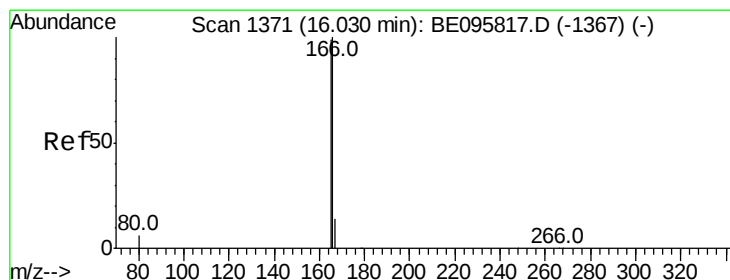
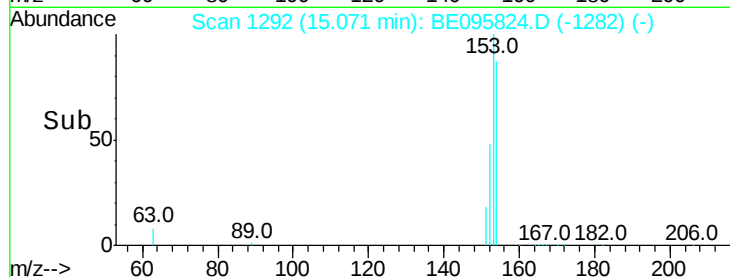
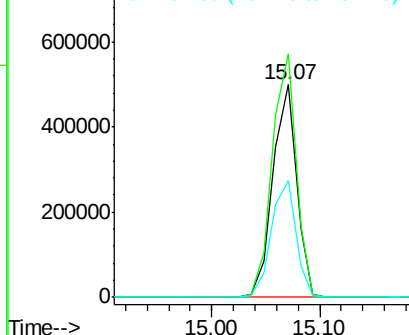
154 100

153 116.2 89.2 133.8

152 56.5 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: 37.633 ng

RT: 16.03 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

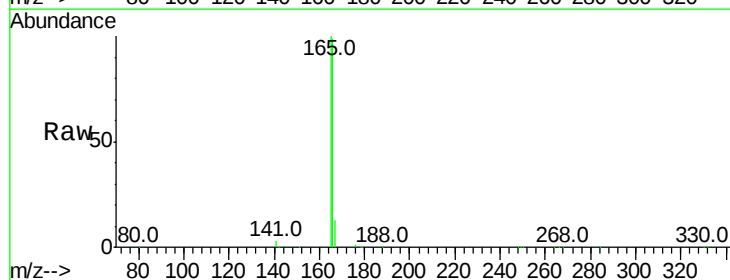
Tgt Ion:166 Resp: 442404

Ion Ratio Lower Upper

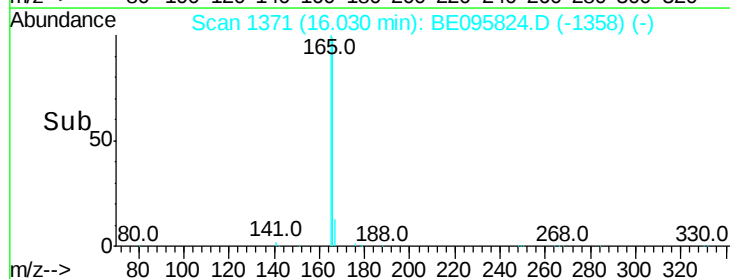
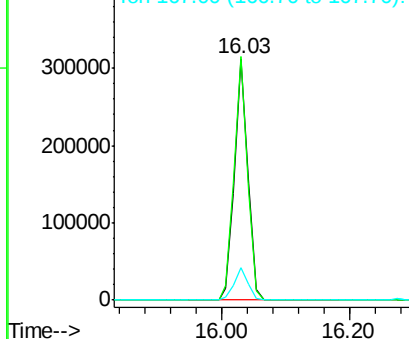
166 100

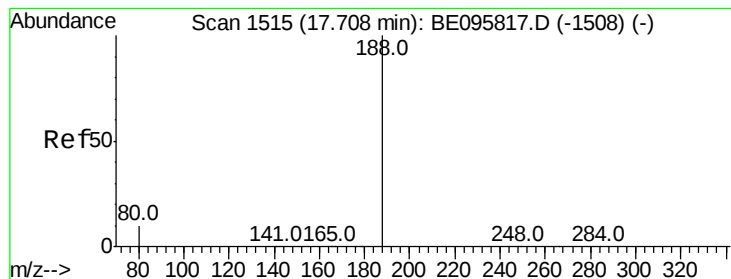
165 100.7 77.8 116.6

167 13.8 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: 17.71 min Scan# 1515

Delta R.T. 0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampled :

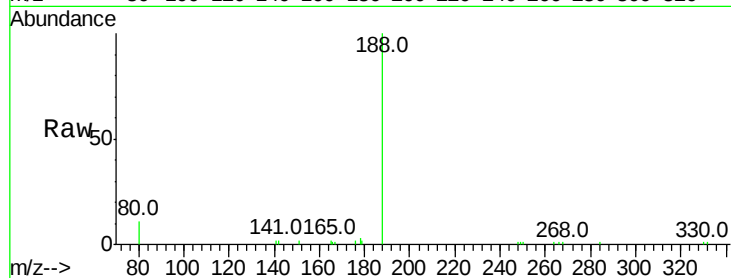
Tot Ion:188 Resp: 6012

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

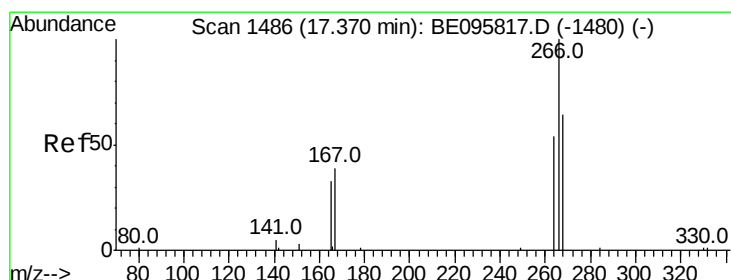
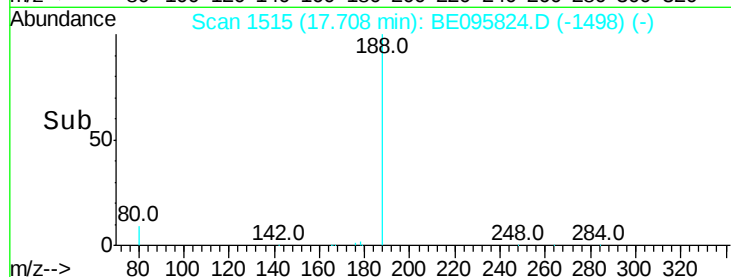
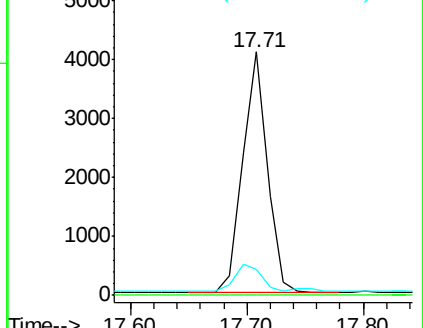
80 10.9 3.6 5.4#



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



#22

Pentachlorophenol

Concen: 0.179 ng

RT: 17.37 min Scan# 1486

Delta R.T. 0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

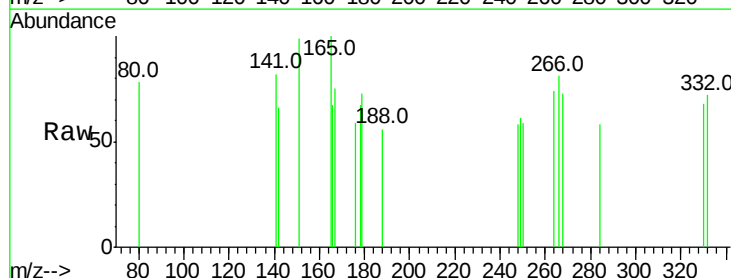
Tgt Ion:266 Resp: 66

Ion Ratio Lower Upper

266 100

264 91.3 72.5 108.7

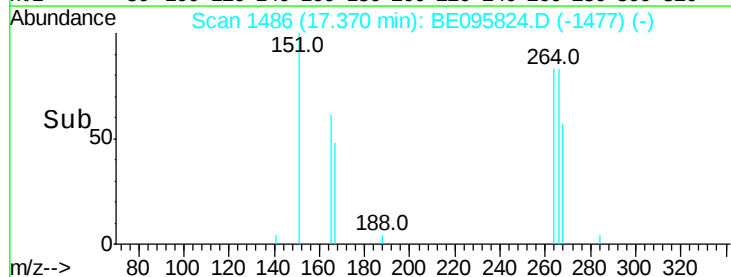
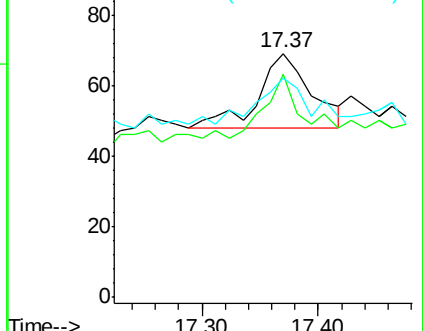
268 89.9 73.8 110.6

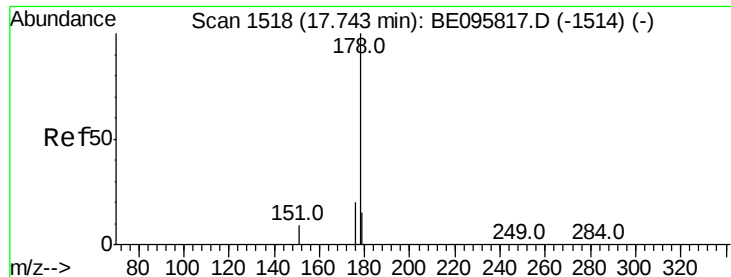


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 71.523 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampled :

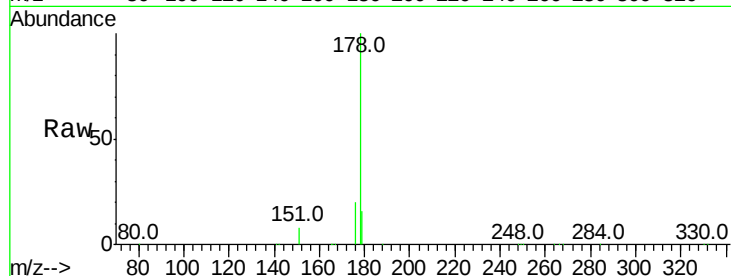
Tot Ion:178 Resp: 1287204

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

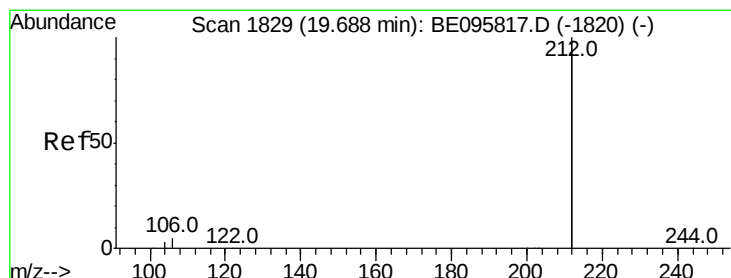
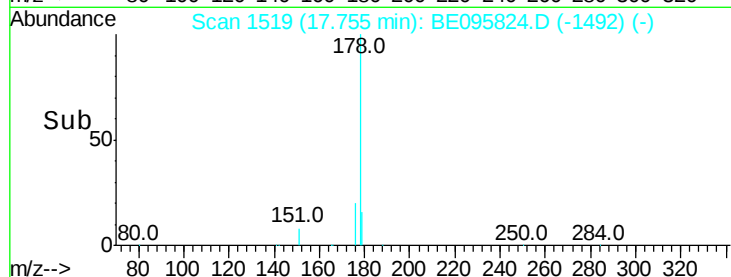
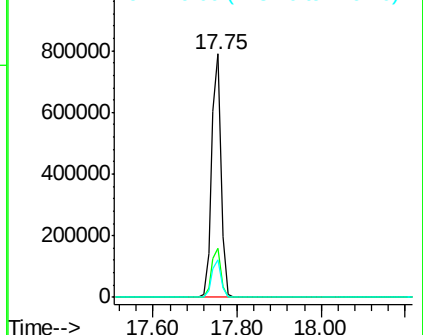
179 14.8 11.8 17.6



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



#25

Fluoranthene-d10

Concen: 0.001 ng

RT: 19.68 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

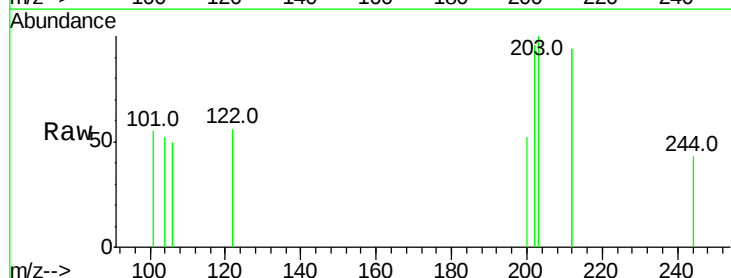
Tgt Ion:212 Resp: 64

Ion Ratio Lower Upper

212 100

106 10.9 2.8 4.2#

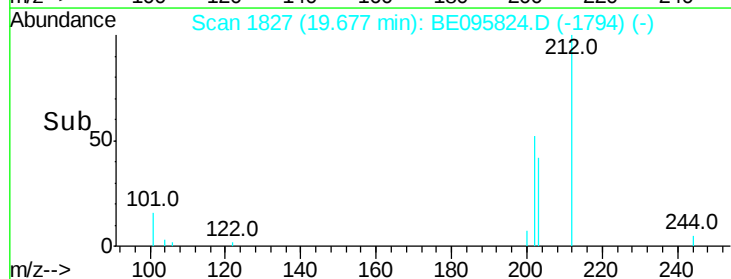
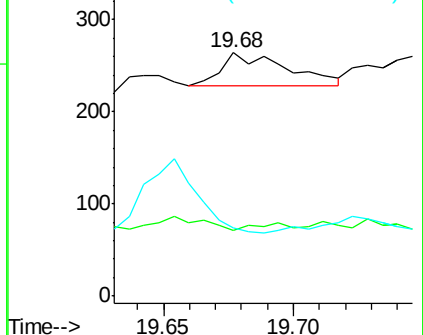
104 0.0 1.6 2.4#

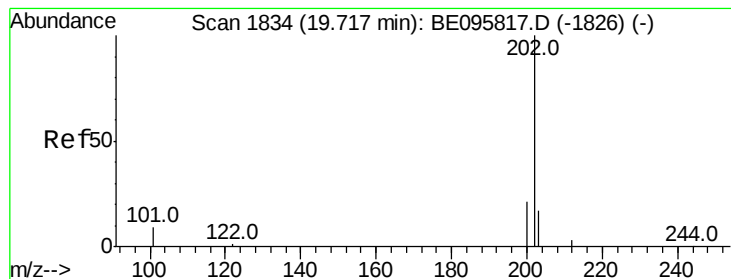


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 86.955 ng

RT: 19.72 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampleId :

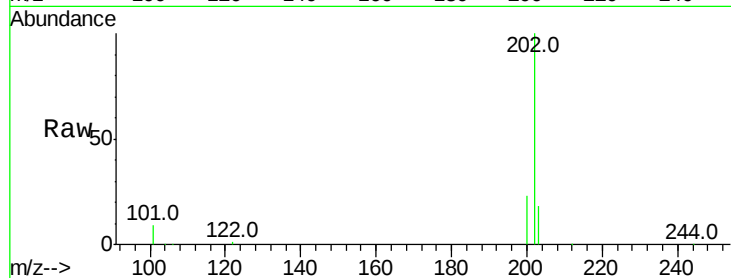
Tot Ion:202 Resp: 2173670

Ion Ratio Lower Upper

202 100

101 9.0 9.8 14.8#

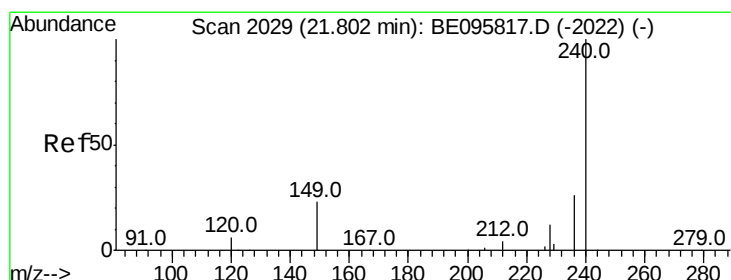
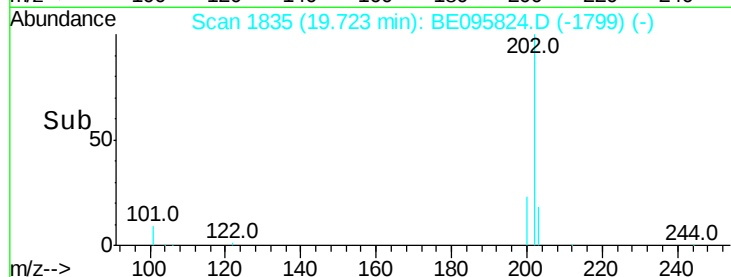
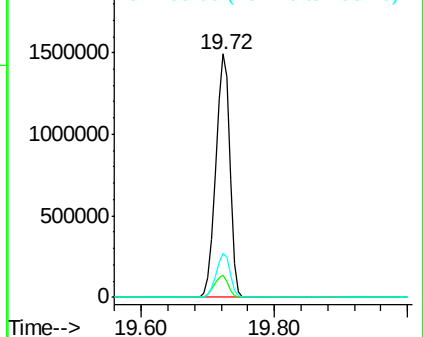
203 17.8 13.7 20.5



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: 21.80 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

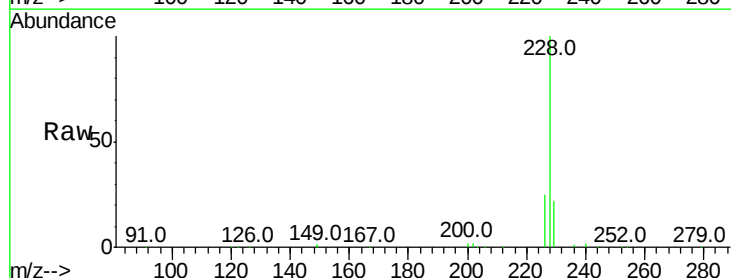
Tgt Ion:240 Resp: 7185

Ion Ratio Lower Upper

240 100

120 12.5 5.5 8.3#

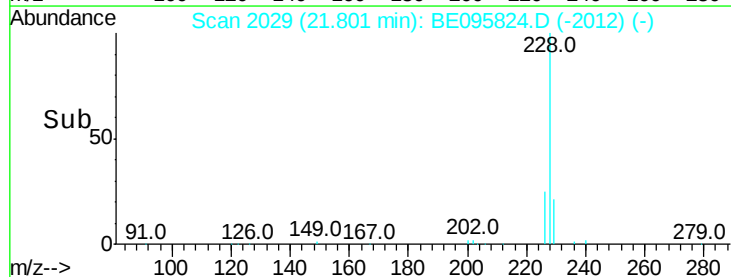
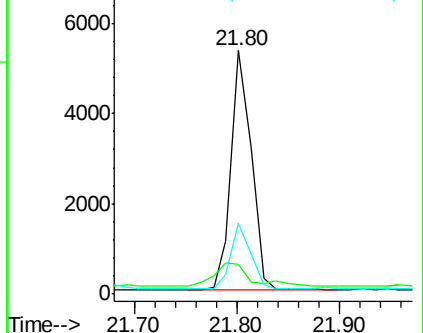
236 28.8 20.7 31.1

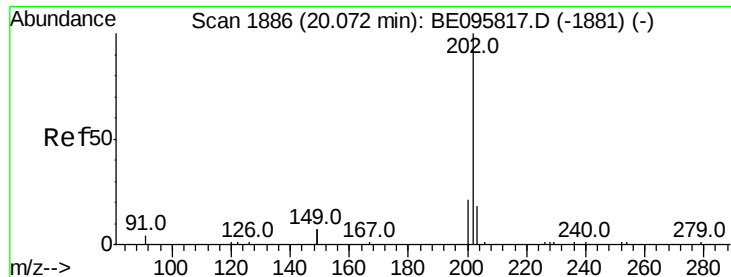


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

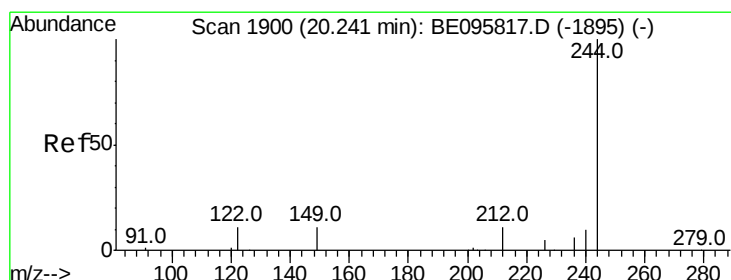
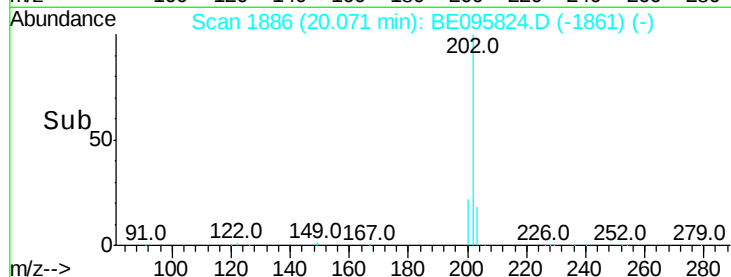
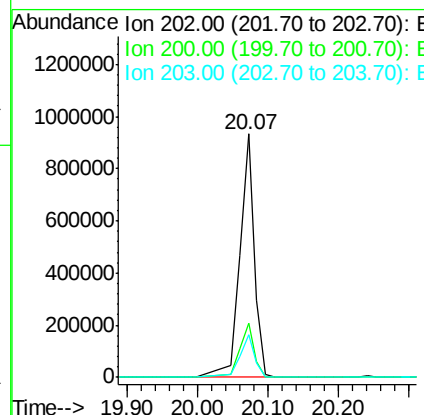
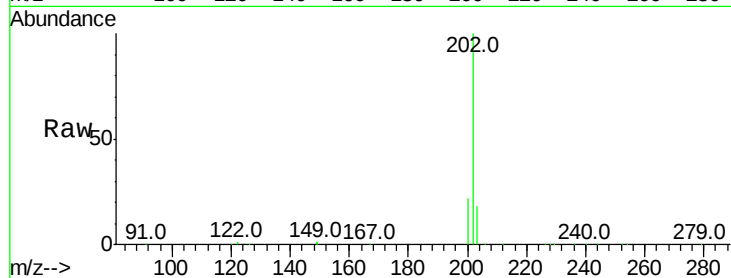




#28
Pvrene
Concen: 50.840 ng
RT: 20.07 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

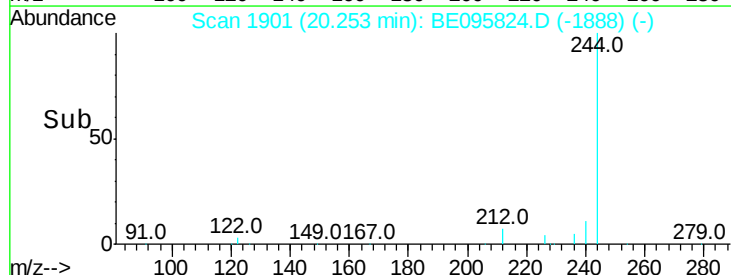
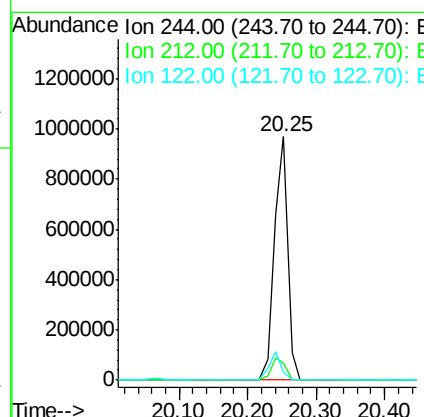
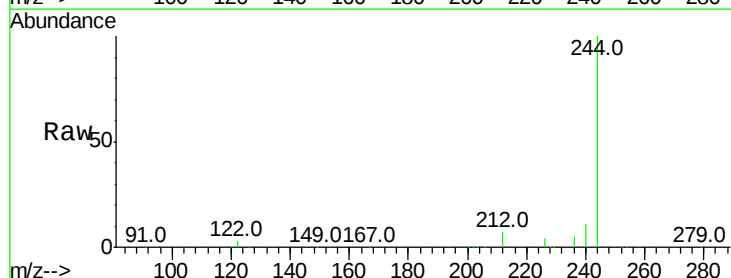
Instrument :
BNA_E
ClientSampleId :

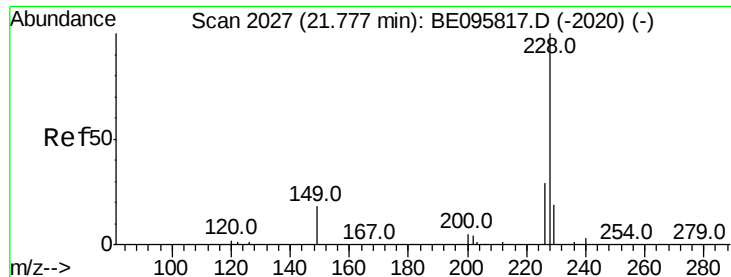
Tot Ion:202 Resp: 1487920
Ion Ratio Lower Upper
202 100
200 21.6 16.6 25.0
203 16.5 13.8 20.8



#29
Terphenyl-d14
Concen: 86.977 ng
RT: 20.25 min Scan# 1901
Delta R.T. 0.01 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Tgt Ion:244 Resp: 1327212
Ion Ratio Lower Upper
244 100
212 7.0 25.4 38.0#
122 3.2 8.1 12.1#





#30

Benzo(a)anthracene

Concen: 62.227 ng

RT: 21.79 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampled :

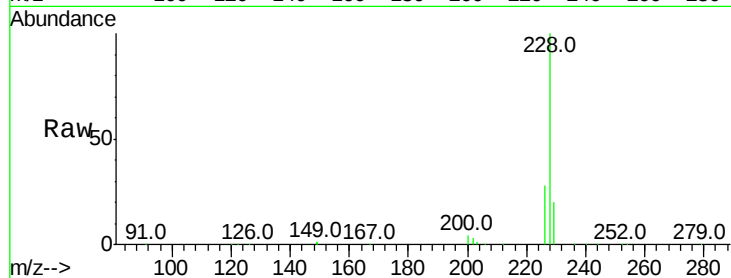
Tot Ion:228 Resp: 1550473

Ion Ratio Lower Upper

228 100

226 28.2 24.0 36.0

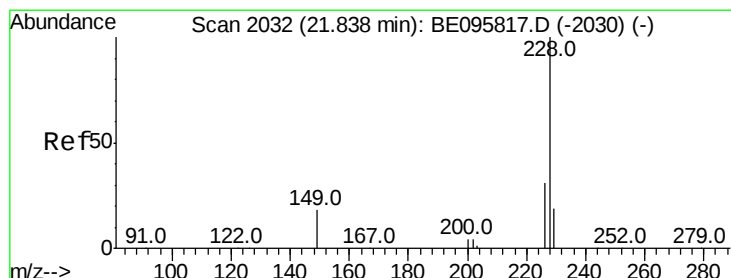
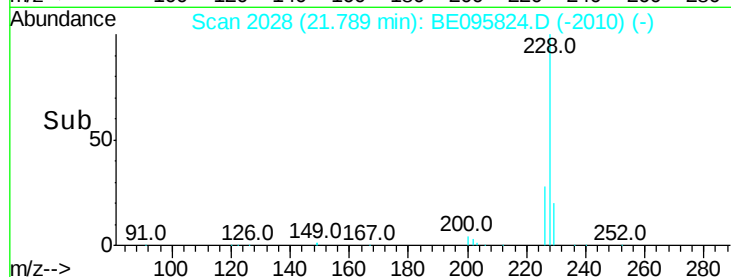
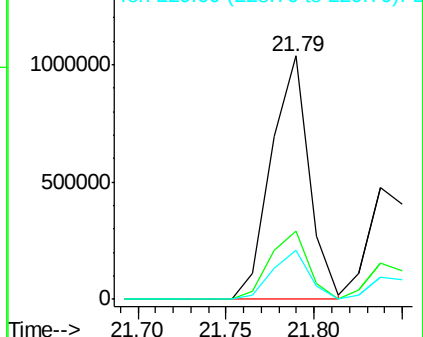
229 20.3 16.0 24.0



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: 33.226 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

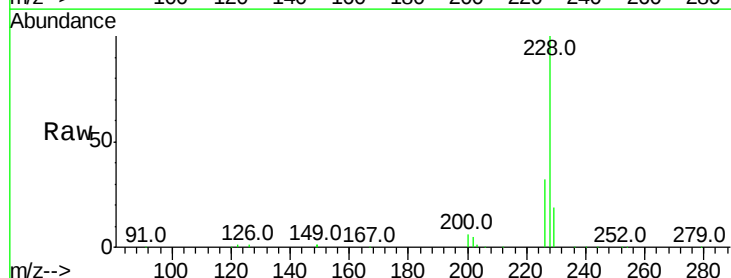
Tgt Ion:228 Resp: 755472

Ion Ratio Lower Upper

228 100

226 32.4 24.0 36.0

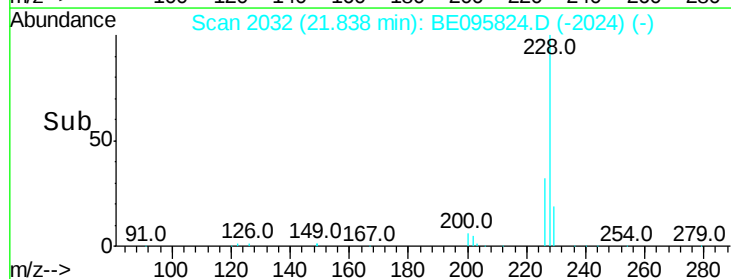
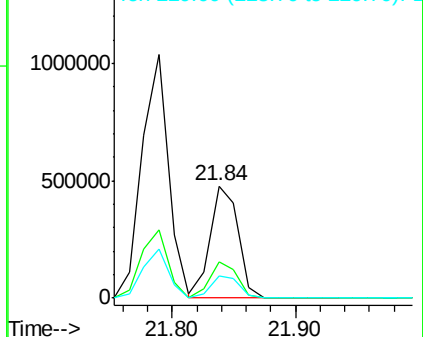
229 19.3 16.0 24.0

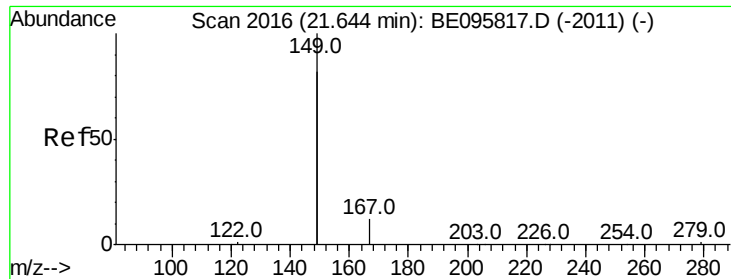


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 31.196 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

Instrument :

BNA_E

ClientSampleId :

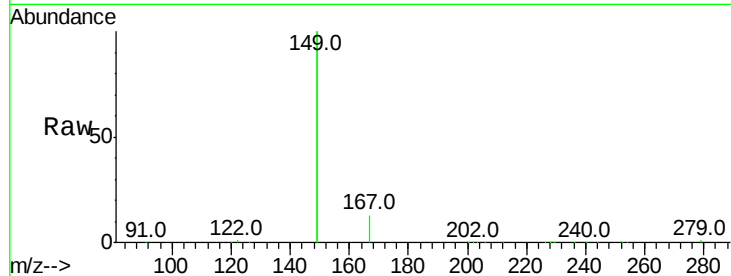
Tot Ion:149 Resp: 2377199

Ion Ratio Lower Upper

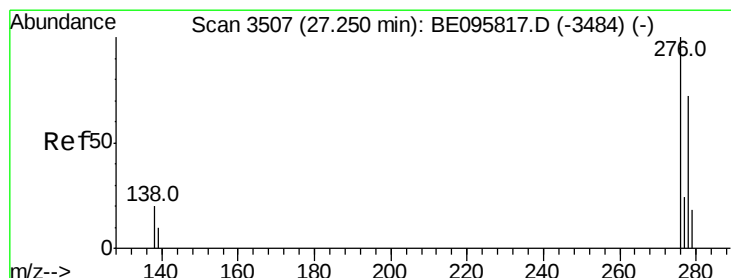
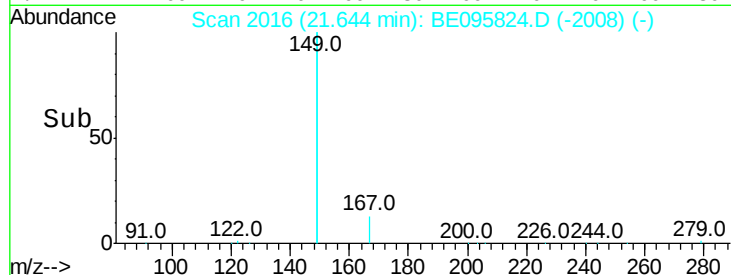
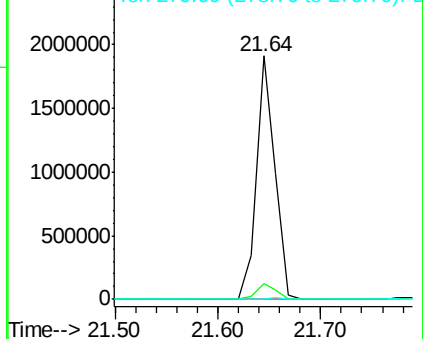
149 100

167 6.7 5.4 8.0

279 0.9 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: 68.891 ng

RT: 27.29 min Scan# 3519

Delta R.T. 0.04 min

Lab File: BE095824.D

Acq: 23 Mar 2018 14:47

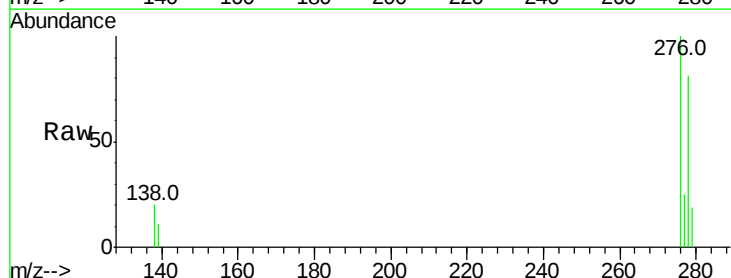
Tgt Ion:276 Resp: 1687690

Ion Ratio Lower Upper

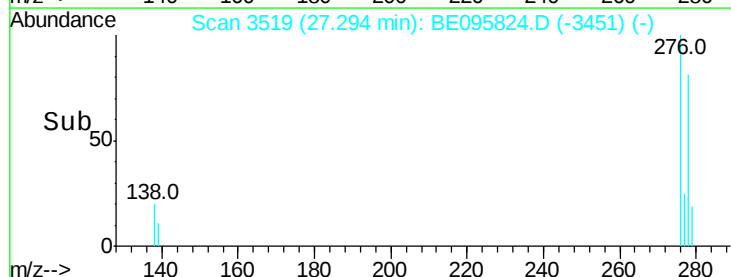
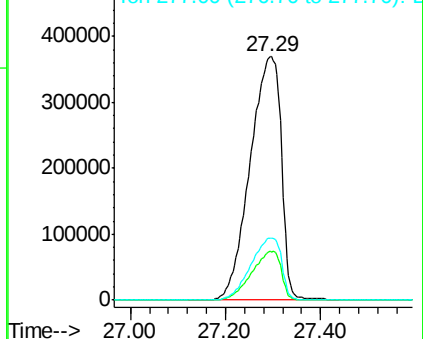
276 100

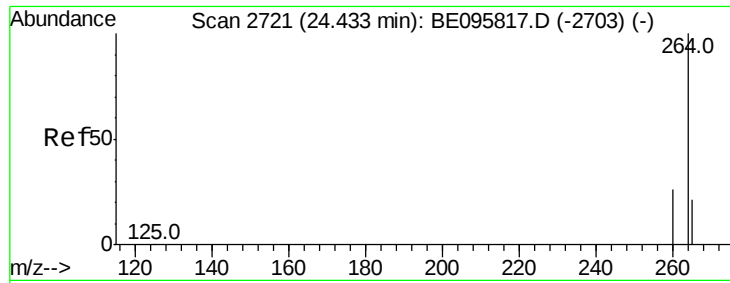
138 19.1 22.5 33.7#

277 25.2 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

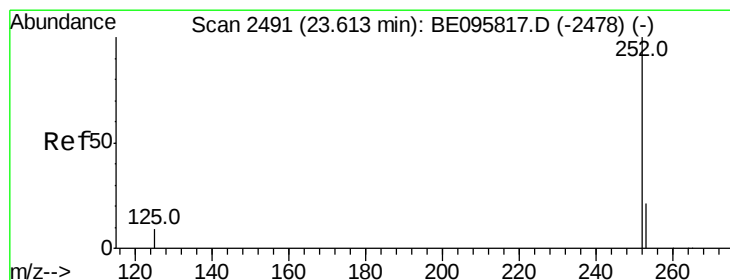
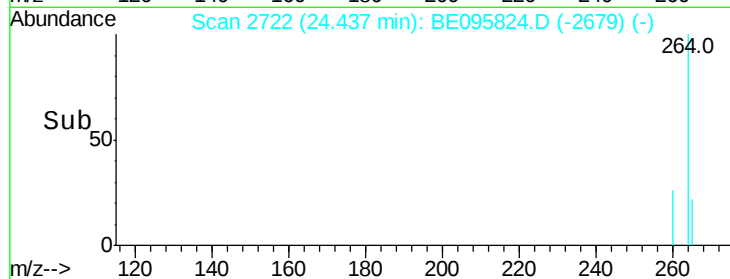
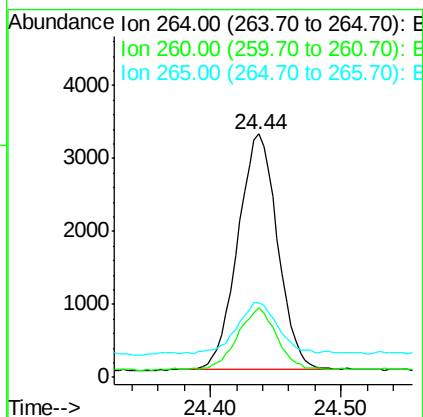
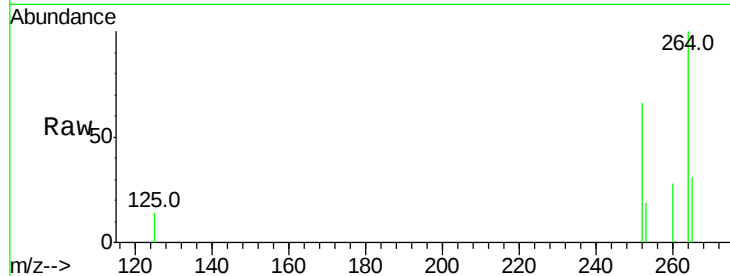




#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.44 min Scan# 2722
Delta R.T. 0.00 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

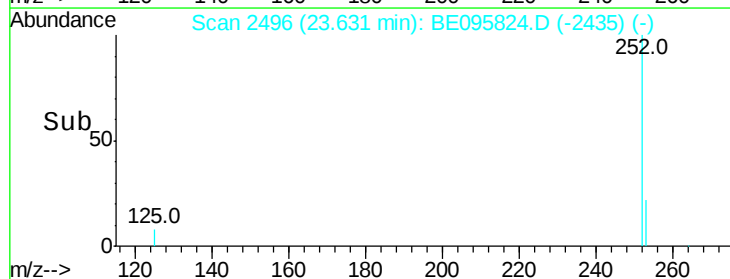
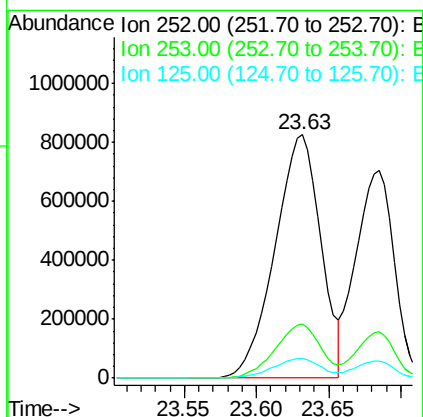
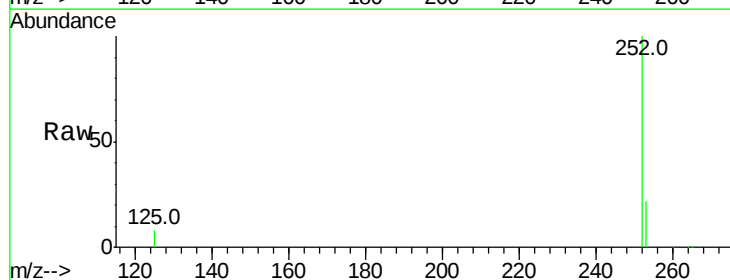
Instrument :
BNA_E
ClientSampleId :

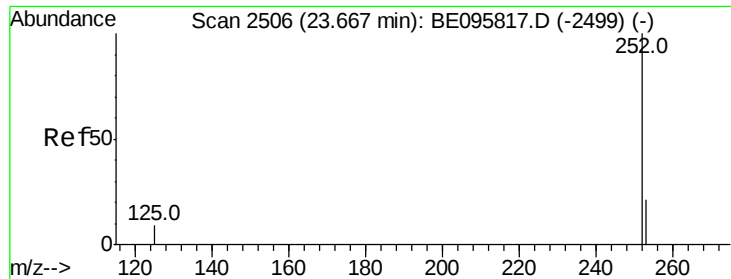
Tot Ion:264 Resp: 6826
Ion Ratio Lower Upper
264 100
260 28.4 20.5 30.7
265 30.9 22.8 34.2



#35
Benzo(b)fluoranthene
Concen: 80.751 ng
RT: 23.63 min Scan# 2496
Delta R.T. 0.02 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Tgt Ion:252 Resp: 1823396
Ion Ratio Lower Upper
252 100
253 22.3 20.0 30.0
125 8.1 16.0 24.0#

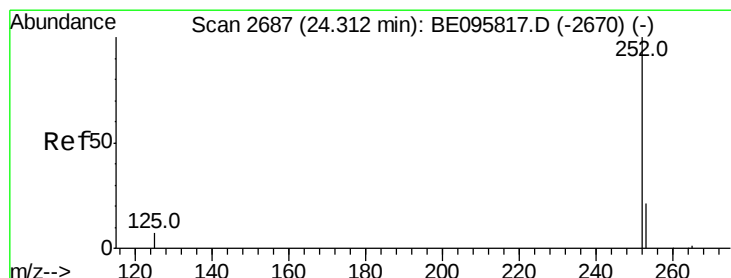
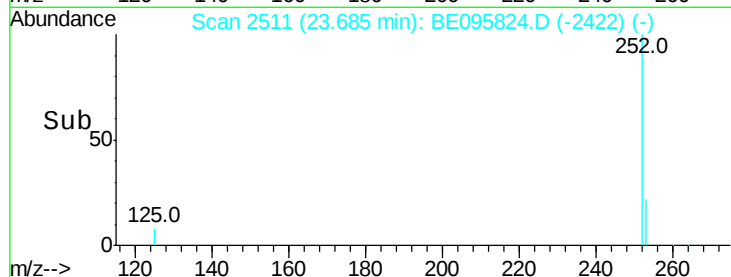
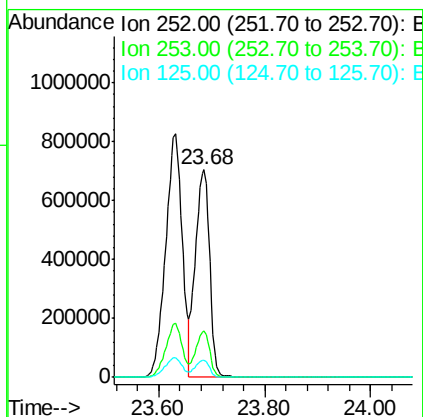
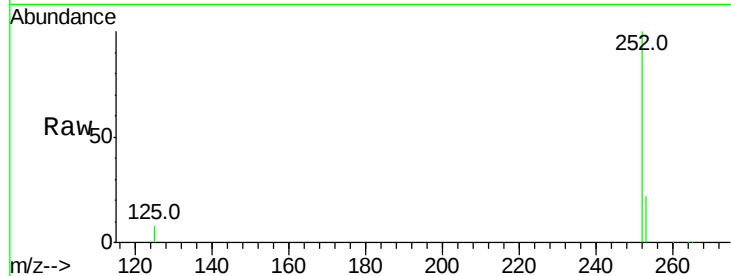




#36
Benzo(k)fluoranthene
Concen: 58.190 ng
RT: 23.68 min Scan# 2511
Delta R.T. 0.02 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

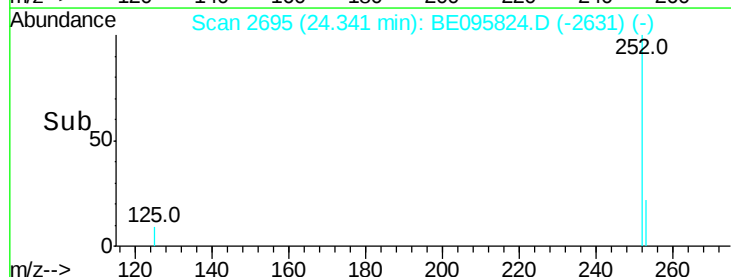
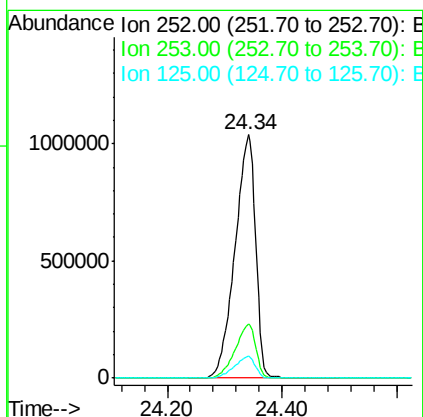
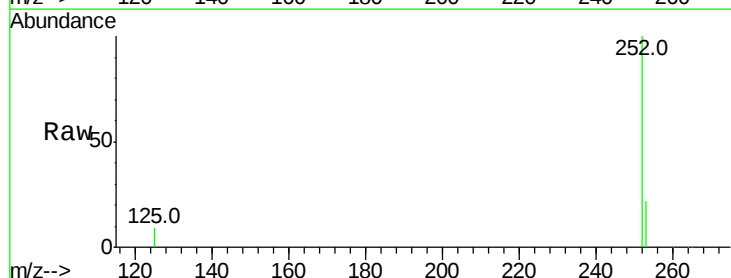
Instrument :
BNA_E
ClientSampleId :

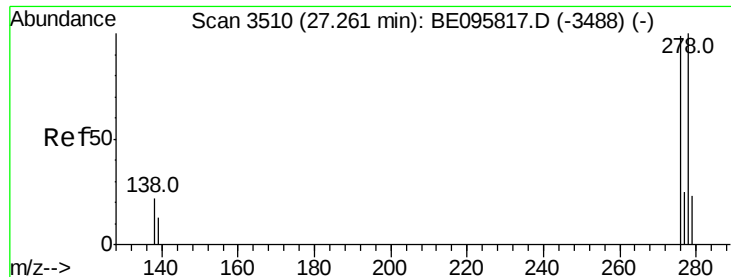
Tot Ion:252 Resp: 1314299
Ion Ratio Lower Upper
252 100
253 22.2 16.0 24.0
125 8.2 8.0 12.0



#37
Benzo(a)pyrene
Concen: 121.875 ng
RT: 24.34 min Scan# 2695
Delta R.T. 0.03 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Tgt Ion:252 Resp: 2579701
Ion Ratio Lower Upper
252 100
253 22.1 16.0 24.0
125 8.9 12.0 18.0#



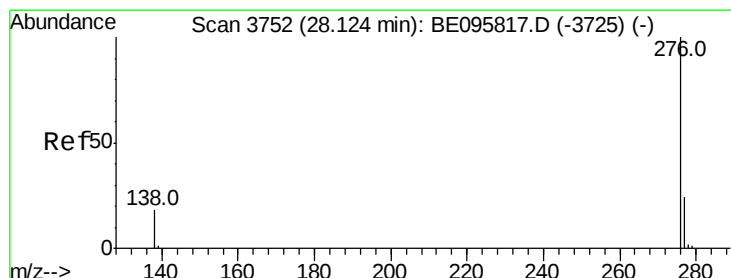
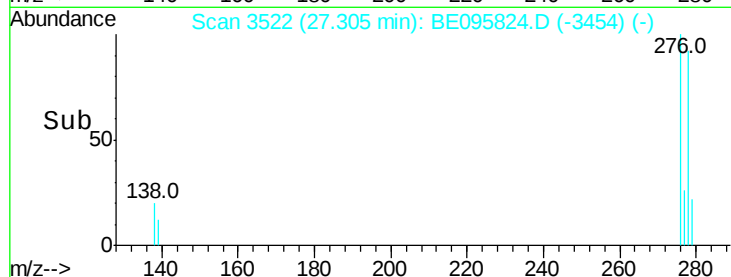
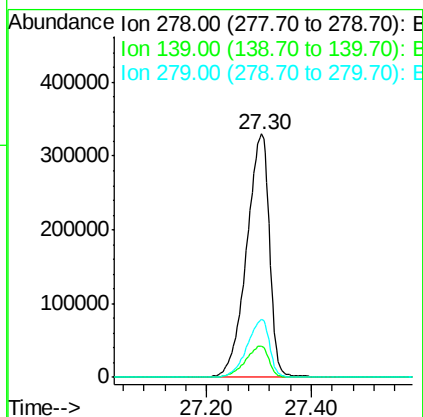
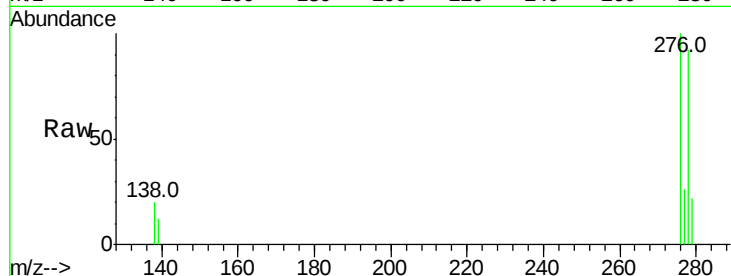


#38
Dibenzo(a,h)anthracene
Concen: 49.988 ng
RT: 27.30 min Scan# 3522
Delta R.T. 0.04 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Instrument :
BNA_E
ClientSampleId :

Tot Ion:278 Resp: 1005287

Ion	Ratio	Lower	Upper
278	100		
139	12.8	16.0	24.0#
279	23.7	20.0	30.0



#39
Benzo(g,h,i)perylene
Concen: 57.839 ng
RT: 28.17 min Scan# 3764
Delta R.T. 0.04 min
Lab File: BE095824.D
Acq: 23 Mar 2018 14:47

Tgt Ion:276 Resp: 1168306

Ion	Ratio	Lower	Upper
276	100		
277	23.7	16.0	24.0
138	17.9	20.0	30.0#

