

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032618\
 Data File : BE095844.D
 Acq On : 26 Mar 2018 17:26
 Operator : SJ/JU
 Sample : PB107516BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB107516BS

Quant Time: Mar 27 05:41:50 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	8.41	152	1447	0.40	ng	-0.02
7) Naphthalene-d8	11.26	136	5315	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2685	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	6102	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6432	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6578	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.90	112	1837	0.39	ng	-0.02
5) Phenol-d6	7.56	99	2450	0.37	ng	0.00
8) Nitrobenzene-d5	9.59	82	2711	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2952	0.33	ng	0.00
14) 2,4,6-Tribromophenol	16.46	330	461	0.30	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	5509	0.49	ng	-0.01
25) Fluoranthene-d10	19.68	212	29255	0.32	ng	0.00
29) Terphenyl-d14	20.24	244	6943	0.51	ng	0.00

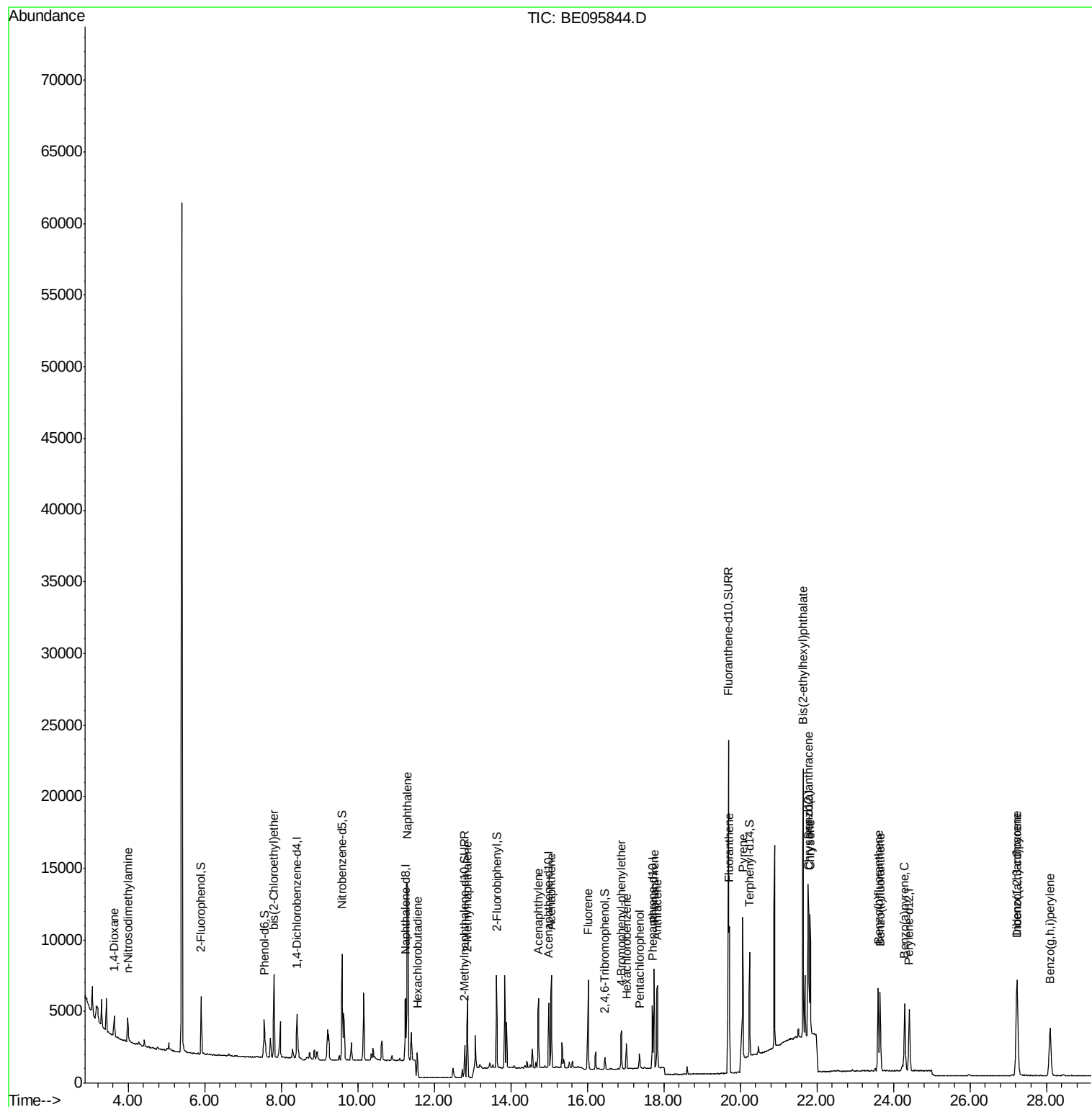
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.63	88	804	0.339	ng	# 50
3) n-Nitrosodimethylamine	3.99	42	1202	0.346	ng	84
6) bis(2-Chloroethyl)ether	7.81	93	1984	0.351	ng	99
9) Naphthalene	11.29	128	22646	0.373	ng	100
10) Hexachlorobutadiene	11.56	225	1554	0.373	ng	94
12) 2-Methylnaphthalene	12.86	142	3801	0.367	ng	98
16) Acenaphthylene	14.73	152	5582	0.364	ng	99
17) Acenaphthene	15.06	154	3306	0.353	ng	93
18) Fluorene	16.02	166	4299	0.349	ng	# 78
20) 4-Bromophenyl-phenylether	16.89	248	1354	0.369	ng	# 82
21) Hexachlorobenzene	17.02	284	1404	0.383	ng	# 82
22) Pentachlorophenol	17.36	266	565	0.539	ng	# 76
23) Phenanthrene	17.74	178	6840	0.374	ng	98
24) Anthracene	17.84	178	6803	0.372	ng	95
26) Fluoranthene	19.71	202	8682	0.342	ng	98
28) Pyrene	20.06	202	11183	0.427	ng	97
30) Benzo(a)anthracene	21.78	228	8490	0.381	ng	95
31) Chrysene	21.83	228	8001	0.393	ng	96
32) Bis(2-ethylhexyl)phthalate	21.64	149	22007	0.323	ng	99
33) Indeno(1,2,3-cd)pyrene	27.22	276	9568	0.436	ng	94
35) Benzo(b)fluoranthene	23.60	252	8183	0.376	ng	# 93
36) Benzo(k)fluoranthene	23.66	252	8109	0.373	ng	# 90
37) Benzo(a)pyrene	24.30	252	7995	0.392	ng	# 93
38) Dibenzo(a,h)anthracene	27.24	278	8013	0.413	ng	97
39) Benzo(g,h,i)perylene	28.10	276	8165	0.419	ng	# 92

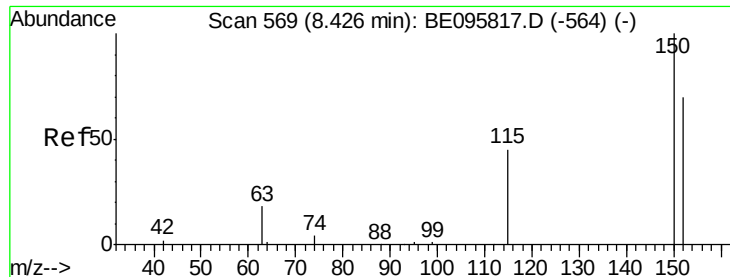
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.41 min Scan# 567

Delta R.T. -0.02 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

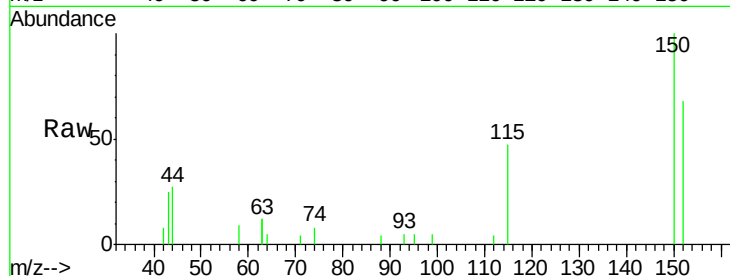
Tot Ion:152 Resp: 1447

Ion Ratio Lower Upper

152 100

150 147.7 117.2 175.8

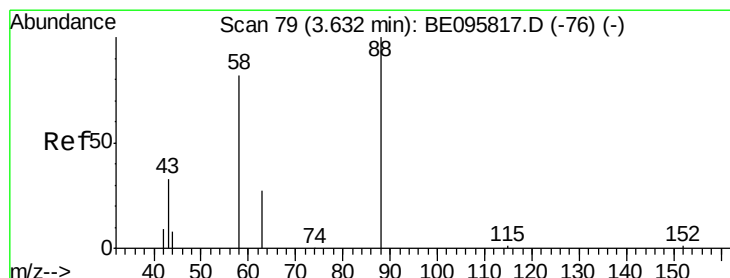
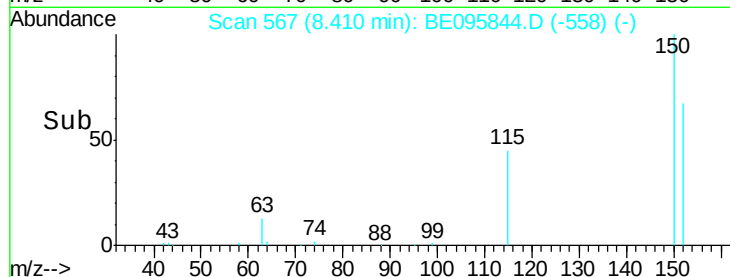
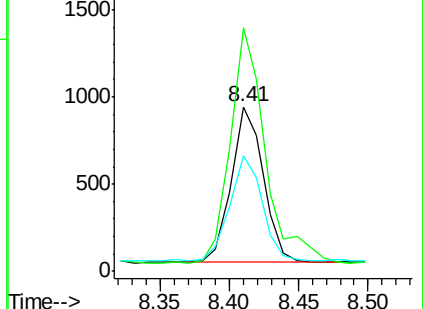
115 70.2 57.0 85.6



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: 0.339 ng

RT: 3.63 min Scan# 79

Delta R.T. 0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

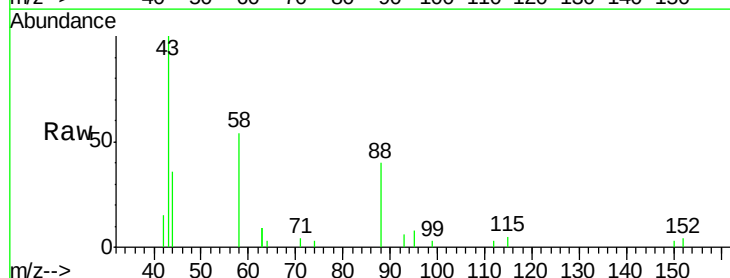
Tgt Ion: 88 Resp: 804

Ion Ratio Lower Upper

88 100

58 84.8 63.2 94.8

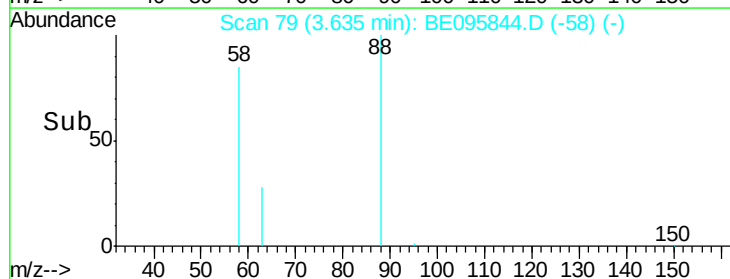
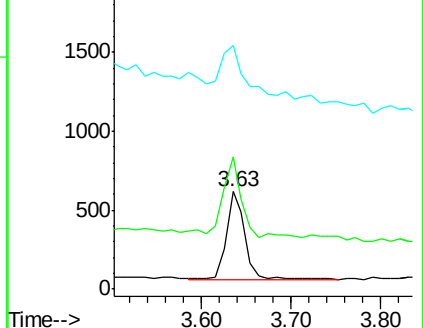
43 132.8 41.2 61.8#

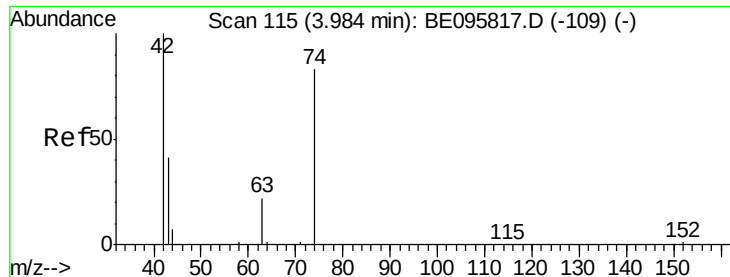


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



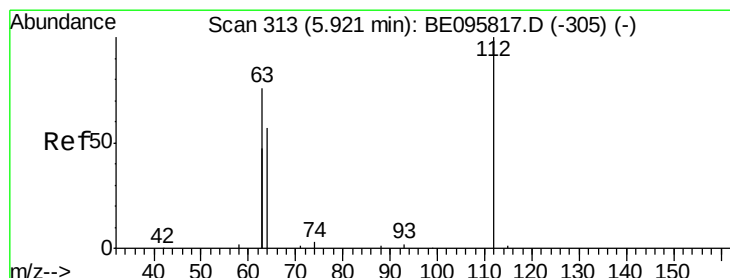
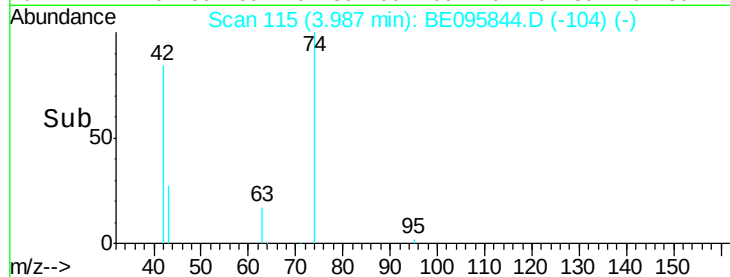
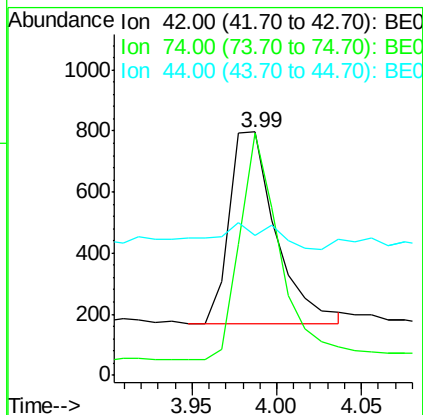
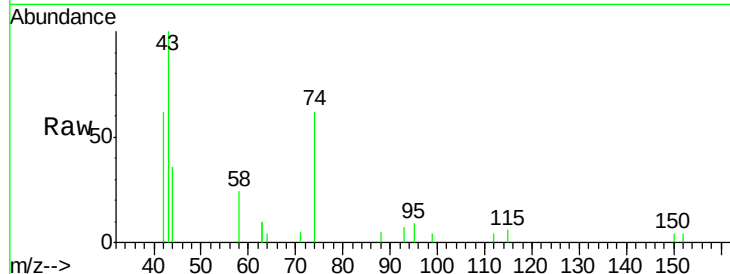


#3

n-Nitrosodimethylamine
 Concen: 0.346 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095844.D
 Acq: 26 Mar 2018 17:26

Instrument :
 BNA_E
 ClientSampleId :
 PB107516BS

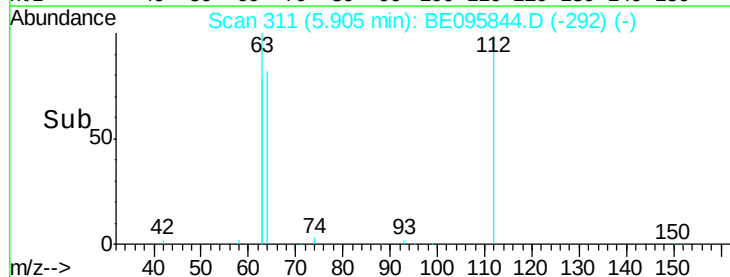
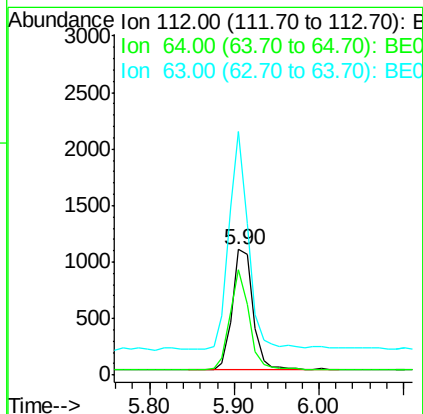
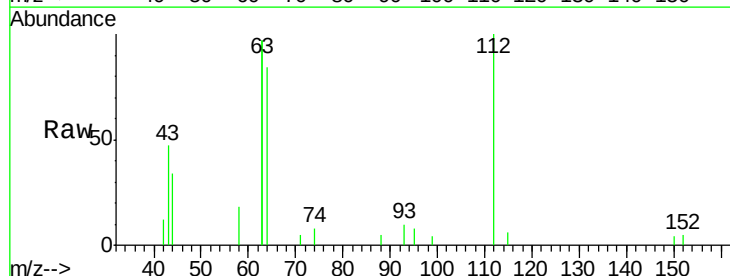
Tot Ion: 42 Resp: 1202
 Ion Ratio Lower Upper
 42 100
 74 100.3 96.0 144.0
 44 14.2 12.0 18.0

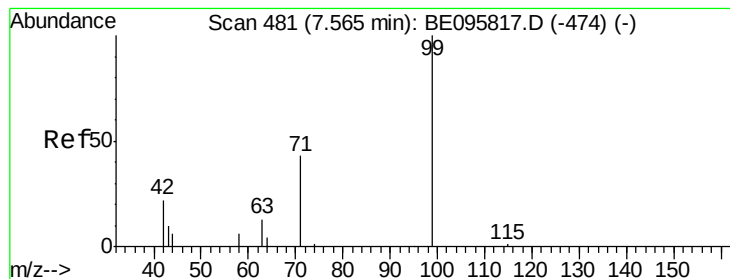


#4

2-Fluorophenol
 Concen: 0.385 ng
 RT: 5.90 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: BE095844.D
 Acq: 26 Mar 2018 17:26

Tgt Ion: 112 Resp: 1837
 Ion Ratio Lower Upper
 112 100
 64 76.0 60.1 90.1
 63 165.3 116.8 175.2





#5

Phenol-d6

Concen: 0.374 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

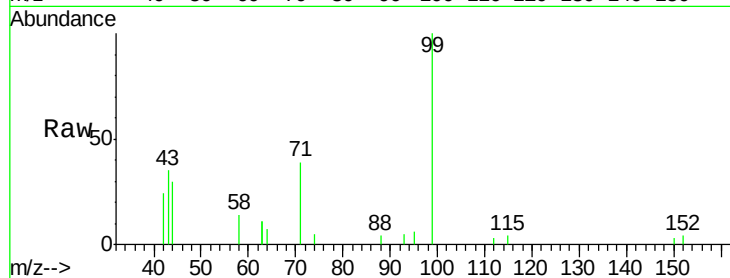
Tot Ion: 99 Resp: 2450

Ion Ratio Lower Upper

99 100

42 25.8 20.2 30.2

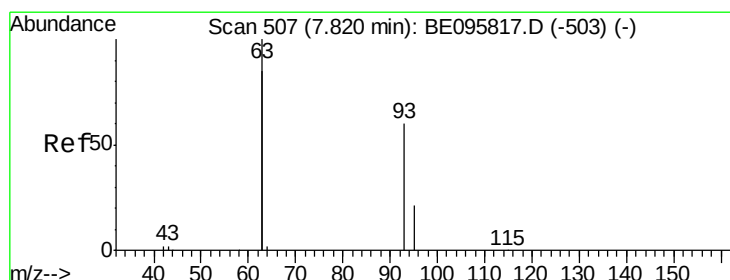
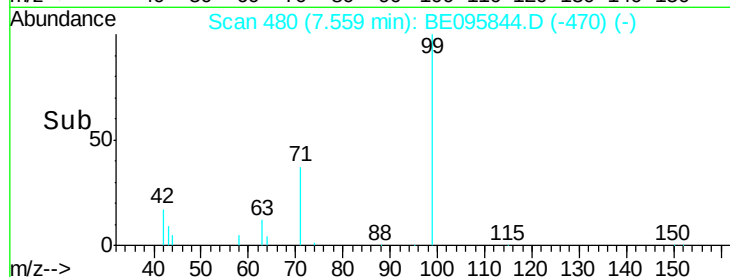
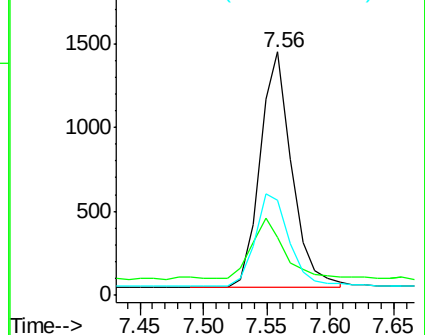
71 42.9 28.4 42.6#



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: 0.351 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

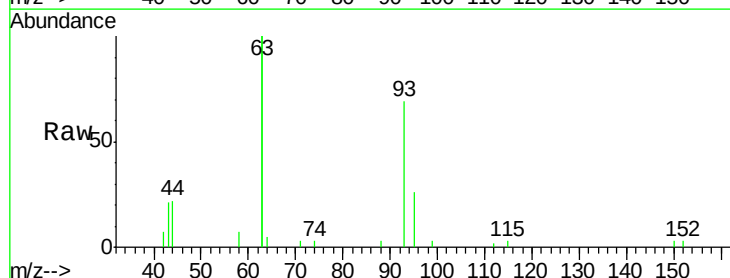
Tgt Ion: 93 Resp: 1984

Ion Ratio Lower Upper

93 100

63 341.3 275.3 412.9

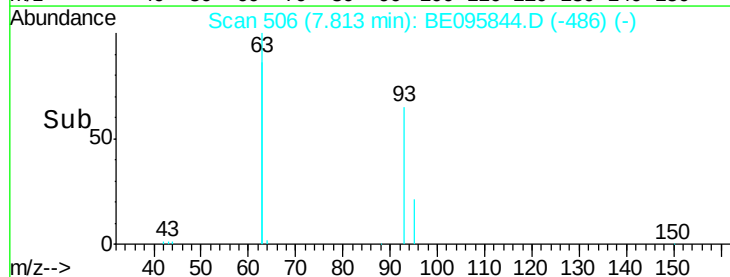
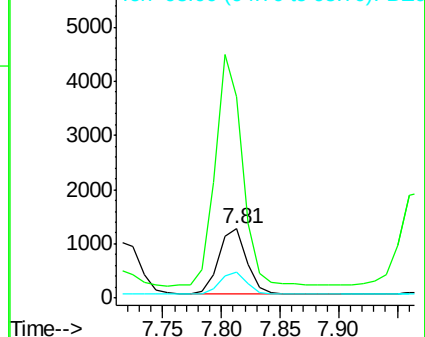
95 33.4 25.2 37.8

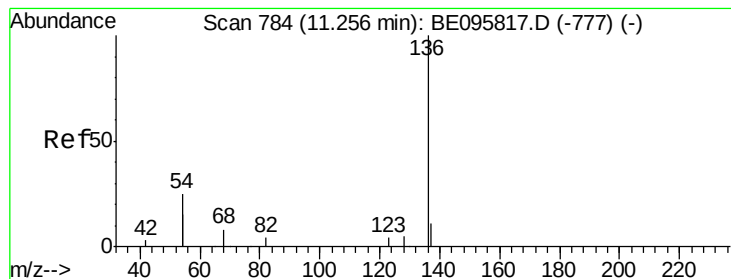


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

Tot Ion:136 Resp: 5315

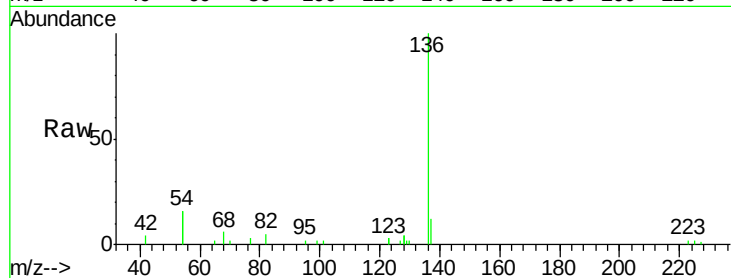
Ion Ratio Lower Upper

136 100

137 12.2 9.5 14.3

54 31.1 29.1 43.7

68 6.5 6.2 9.2

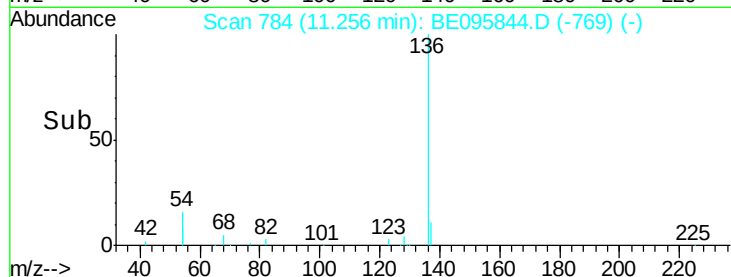


Abundance Ion 136.00 (135.70 to 136.70): E

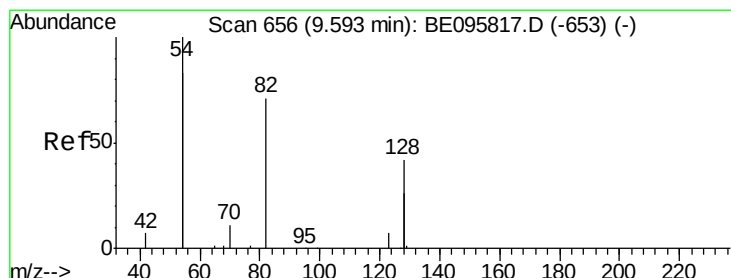
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 11.10 11.20 11.30 11.40



#8

Nitrobenzene-d5

Concen: 0.432 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

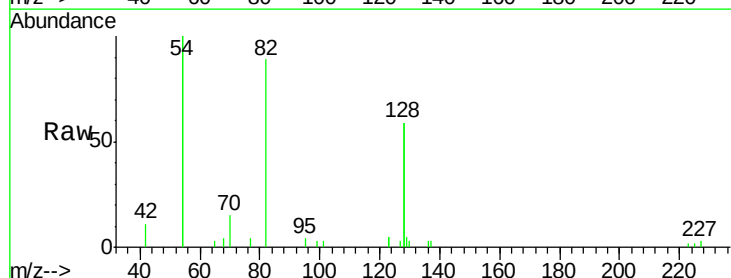
Tgt Ion: 82 Resp: 2711

Ion Ratio Lower Upper

82 100

128 131.6 150.0 225.0#

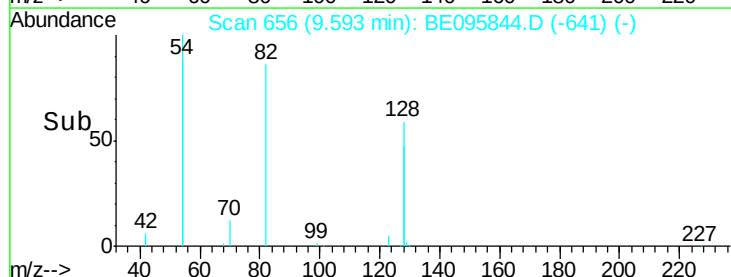
54 224.0 154.2 231.4



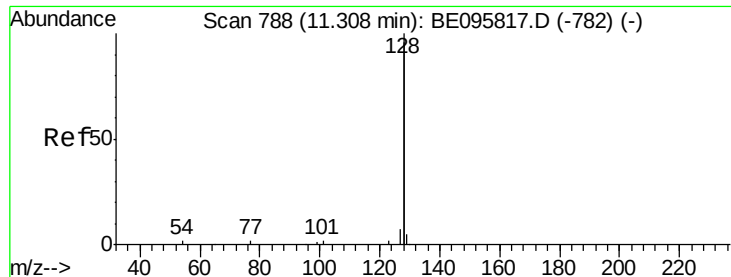
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time--> 9.50 9.55 9.60 9.65 9.70



#9

Naphthalene

Concen: 0.373 ng

RT: 11.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

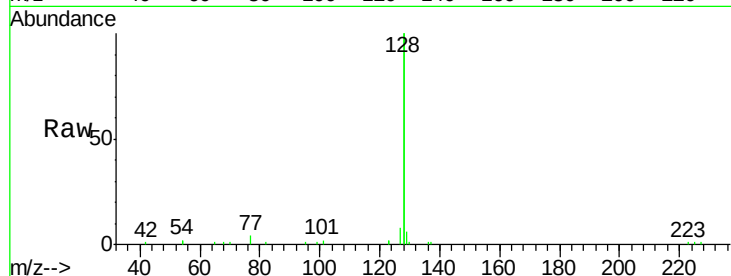
Tot Ion:128 Resp: 22646

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

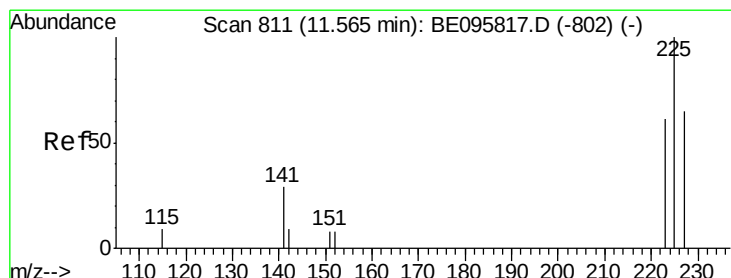
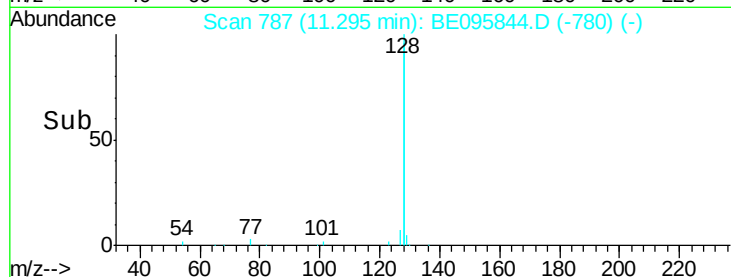
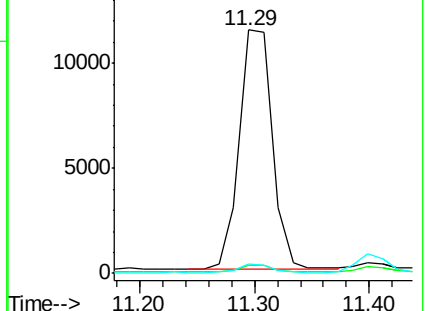
127 3.8 2.8 4.2



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: 0.373 ng

RT: 11.56 min Scan# 809

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

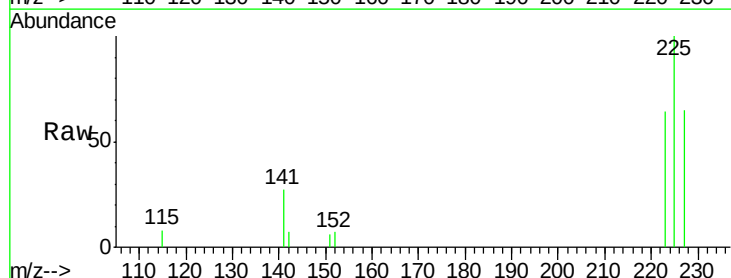
Tgt Ion:225 Resp: 1554

Ion Ratio Lower Upper

225 100

223 60.2 53.0 79.6

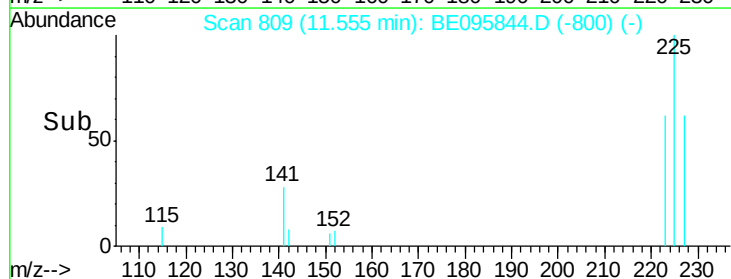
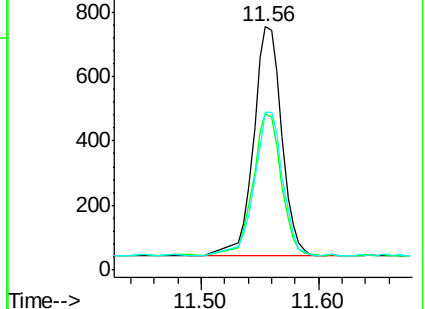
227 61.4 51.4 77.2

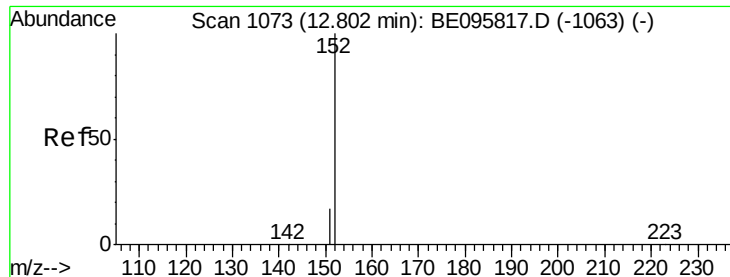


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

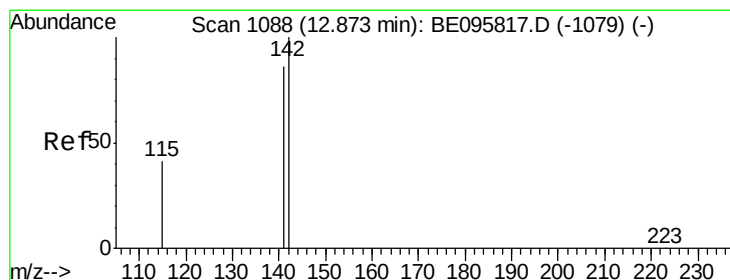
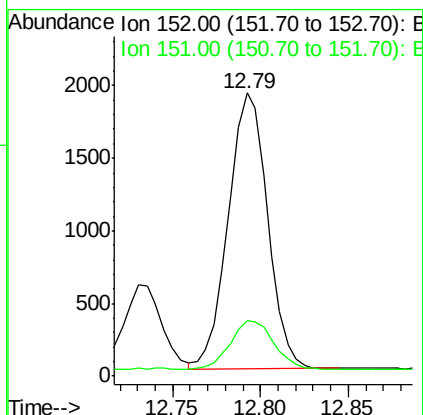
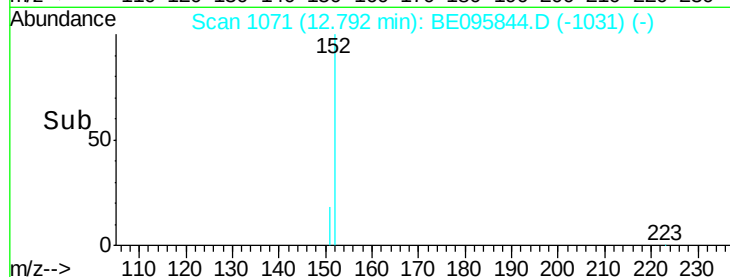
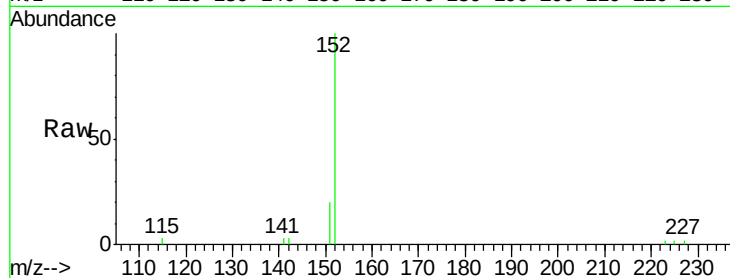




#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BE095844.D
Acq: 26 Mar 2018 17:26

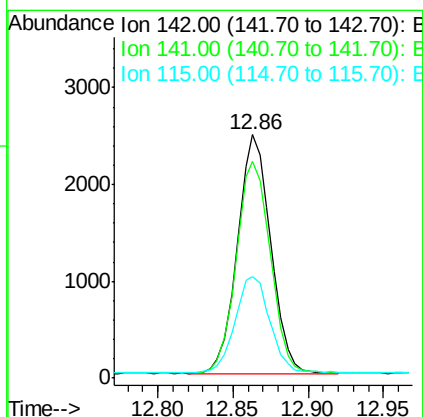
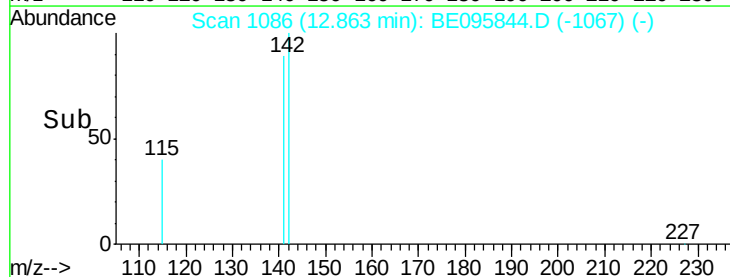
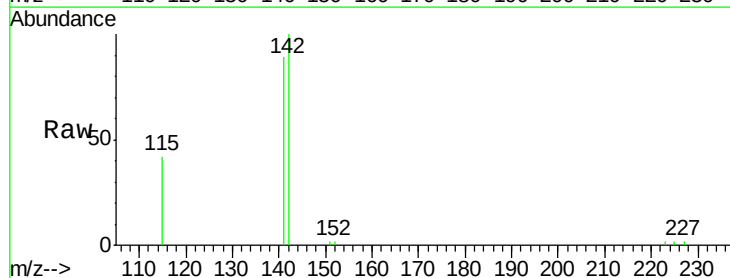
Instrument :
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PB107516BS

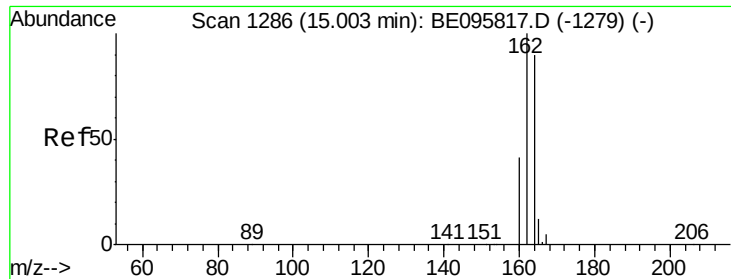
Tot Ion:152 Resp: 2952
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.0



#12
2-Methylnaphthalene
Concen: 0.367 ng
RT: 12.86 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE095844.D
Acq: 26 Mar 2018 17:26

Tgt Ion:142 Resp: 3801
Ion Ratio Lower Upper
142 100
141 89.0 70.4 105.6
115 42.0 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

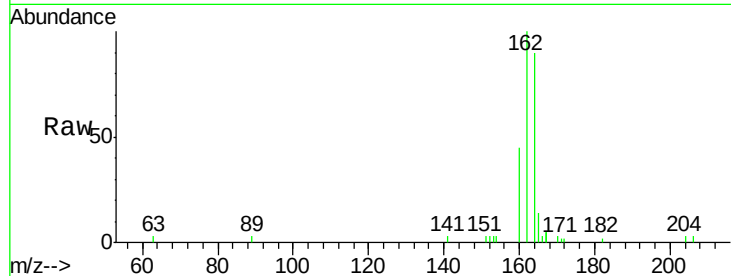
Tot Ion:164 Resp: 2685

Ion Ratio Lower Upper

164 100

162 110.5 83.1 124.7

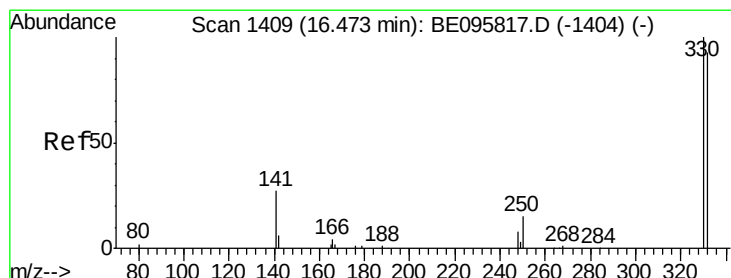
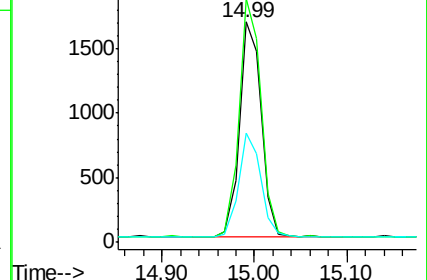
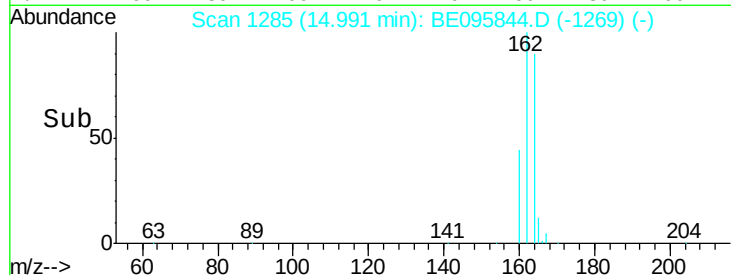
160 49.6 37.1 55.7



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: 0.298 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

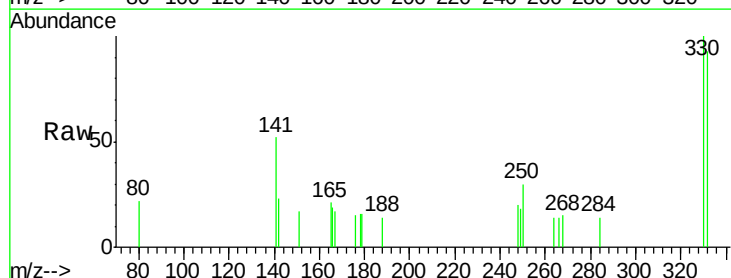
Tgt Ion:330 Resp: 461

Ion Ratio Lower Upper

330 100

332 97.8 152.7 229.1#

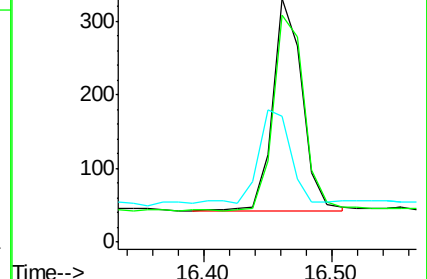
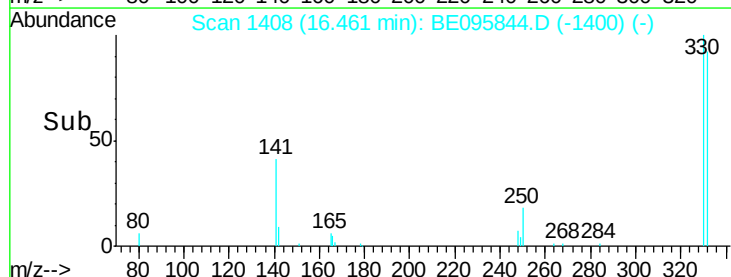
141 48.2 33.7 50.5

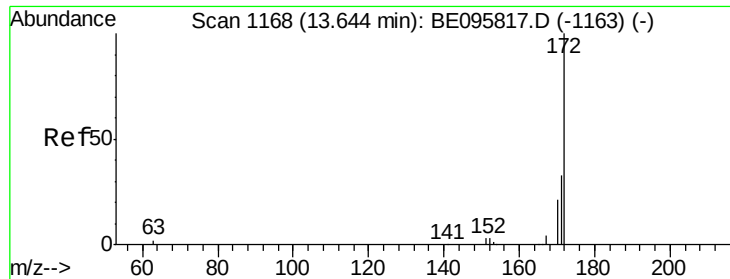


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

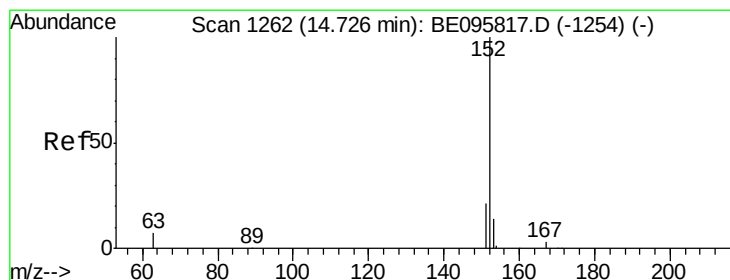
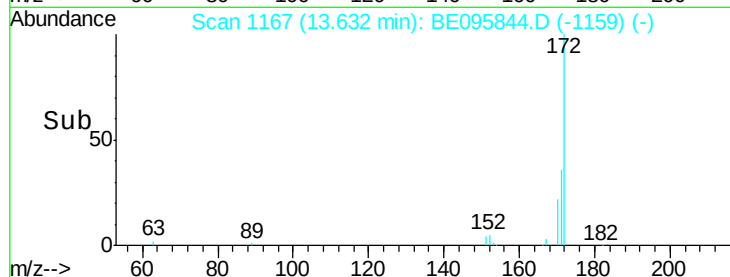
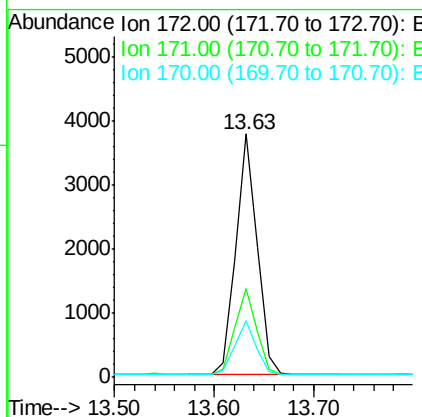
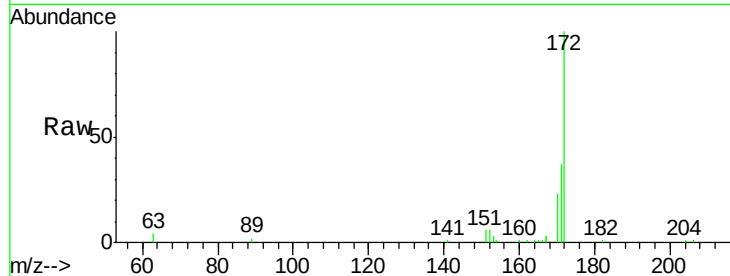




#15
2-Fluorobiphenyl
Concen: 0.487 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095844.D
Acq: 26 Mar 2018 17:26

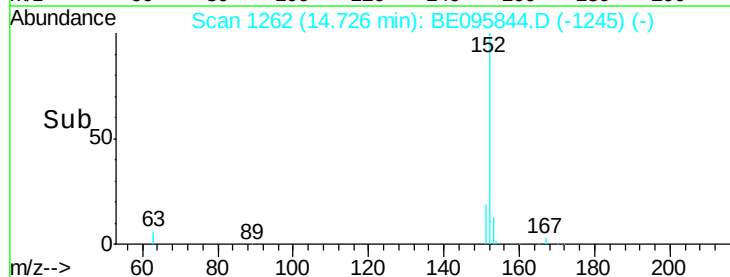
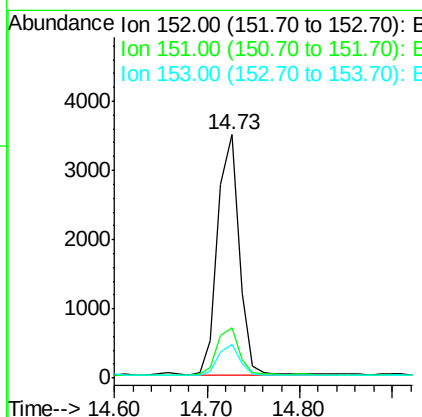
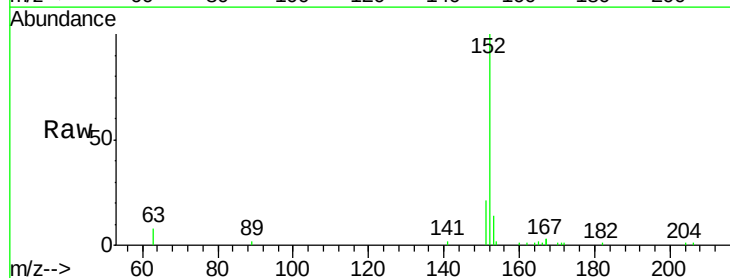
Instrument :
BNA_E
ClientSampleId :
PB107516BS

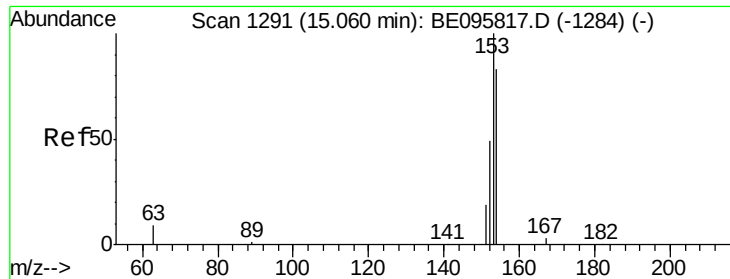
Tot Ion:172 Resp: 5509
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 23.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.364 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095844.D
Acq: 26 Mar 2018 17:26

Tgt Ion:152 Resp: 5582
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 12.6 10.5 15.7





#17

Acenaphthene

Concen: 0.353 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

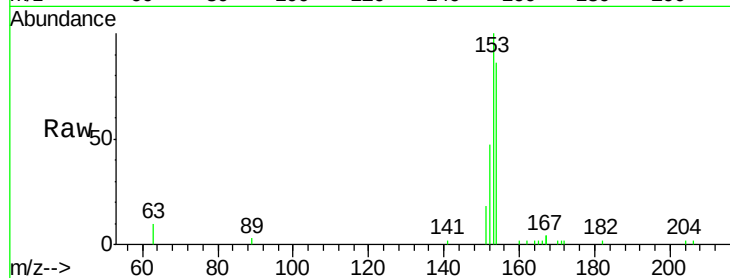
Tot Ion:154 Resp: 3306

Ion Ratio Lower Upper

154 100

153 118.4 89.2 133.8

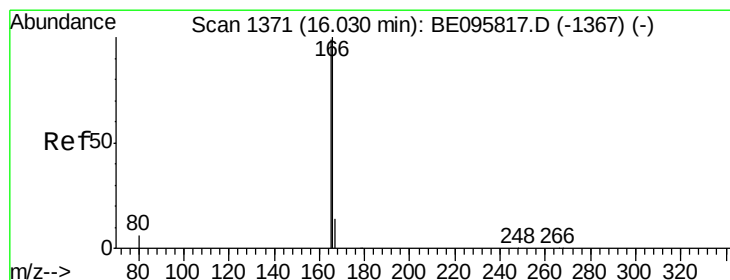
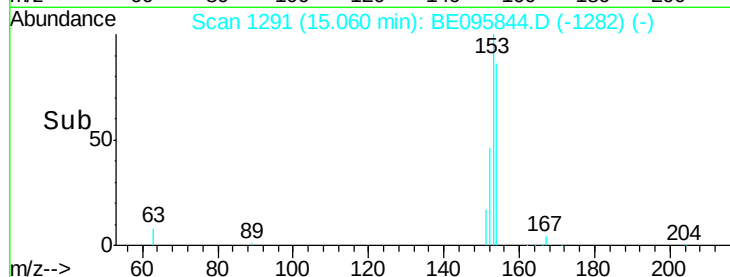
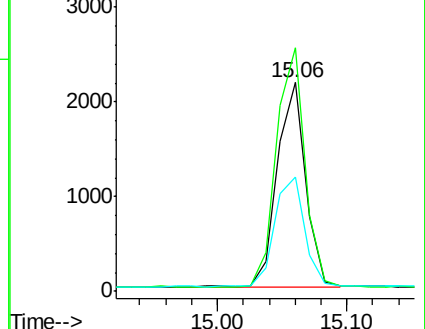
152 57.4 42.0 63.0



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: 0.349 ng

RT: 16.02 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

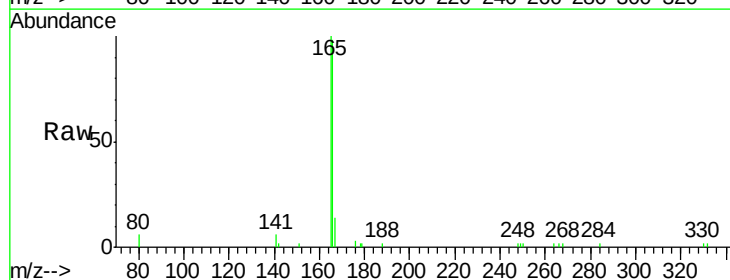
Tgt Ion:166 Resp: 4299

Ion Ratio Lower Upper

166 100

165 99.9 77.8 116.6

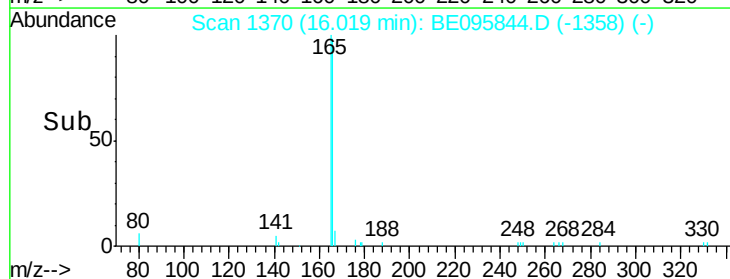
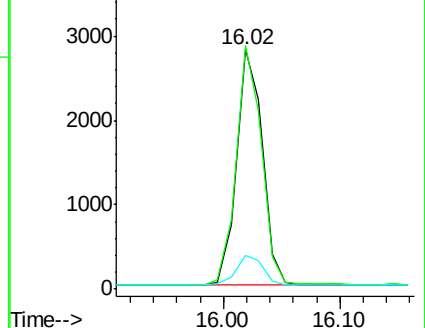
167 13.2 42.4 63.6#

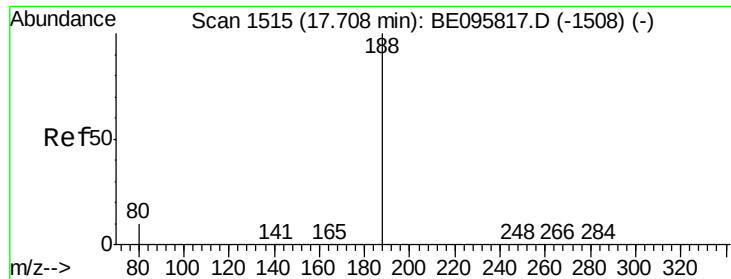


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

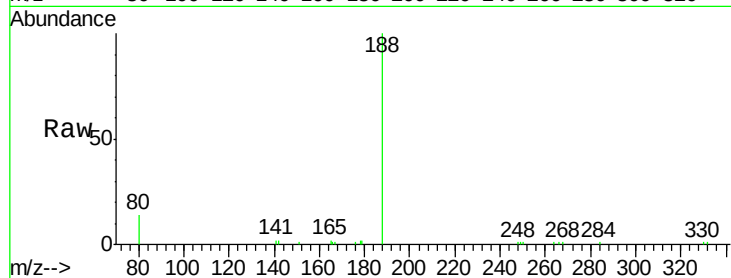
Tot Ion:188 Resp: 6102

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

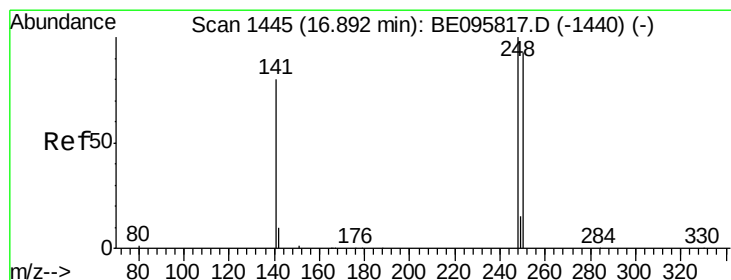
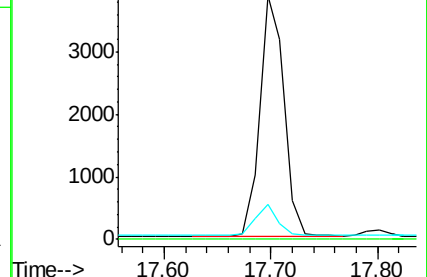
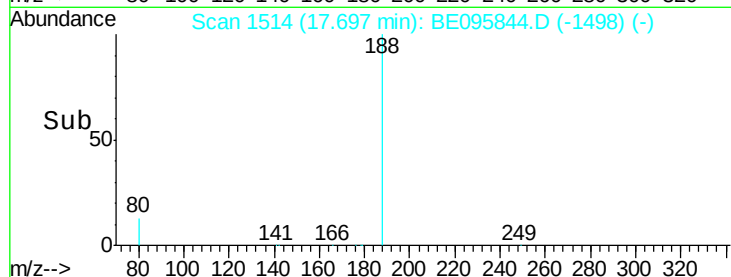
80 14.4 3.6 5.4#



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: 0.369 ng

RT: 16.89 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

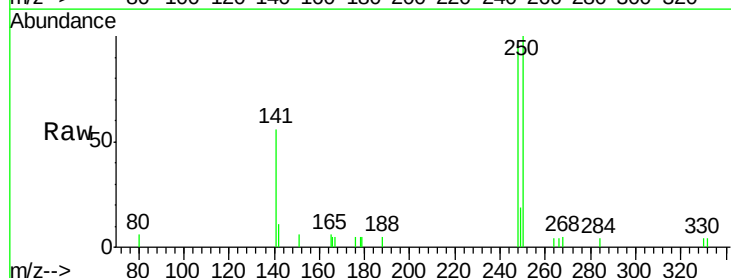
Tgt Ion:248 Resp: 1354

Ion Ratio Lower Upper

248 100

250 104.5 62.7 94.1#

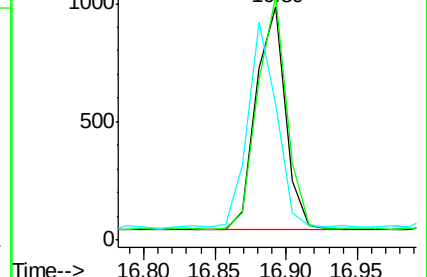
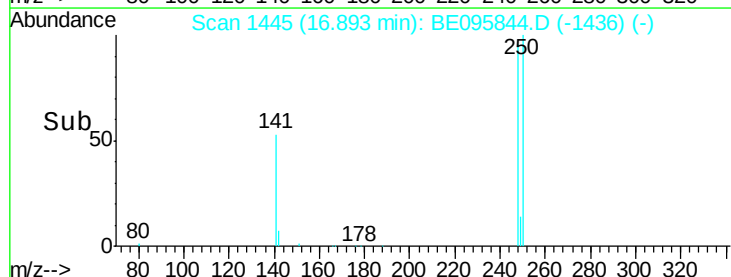
141 58.6 48.2 72.2

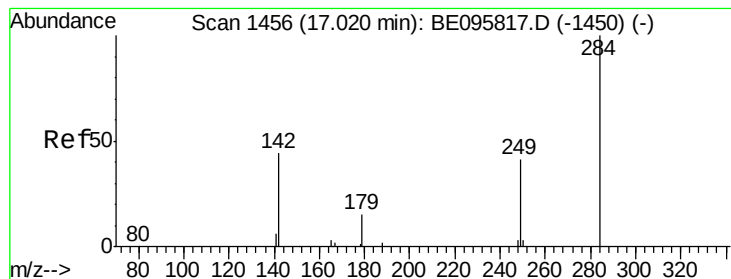


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.383 ng

RT: 17.02 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

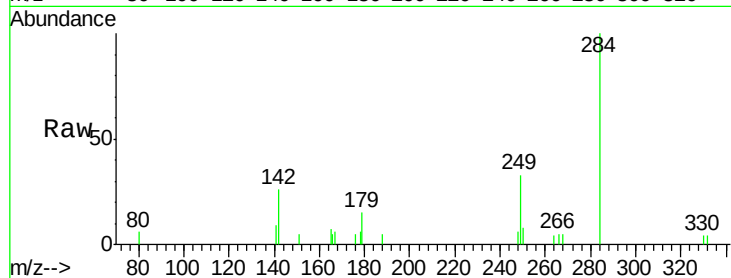
Tot Ion:284 Resp: 1404

Ion Ratio Lower Upper

284 100

142 40.7 22.1 33.1#

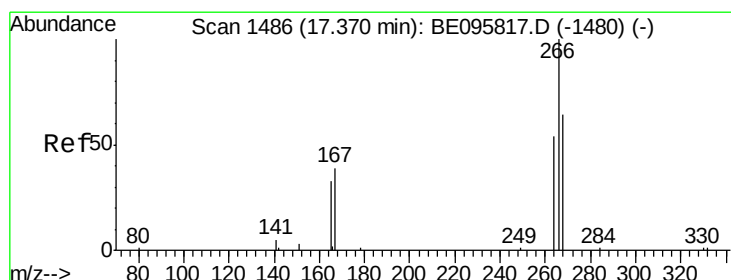
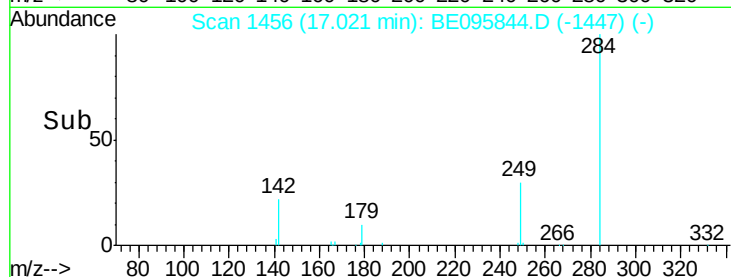
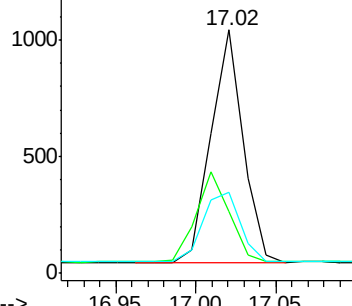
249 35.0 34.8 52.2



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: 0.539 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

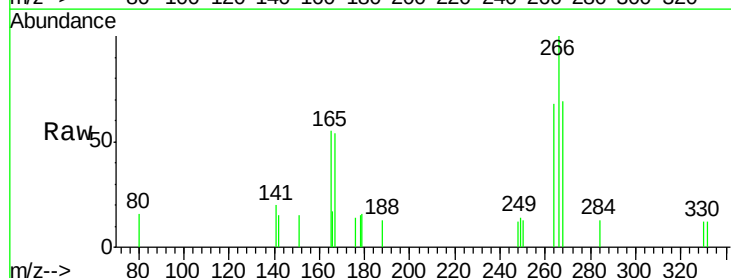
Tgt Ion:266 Resp: 565

Ion Ratio Lower Upper

266 100

264 67.6 72.5 108.7#

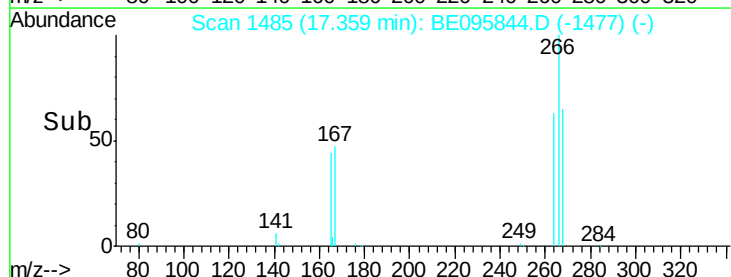
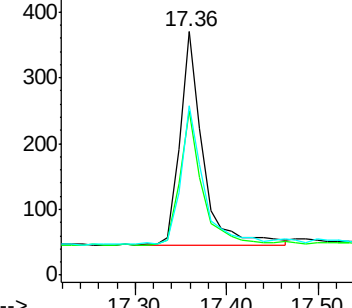
268 69.5 73.8 110.6#

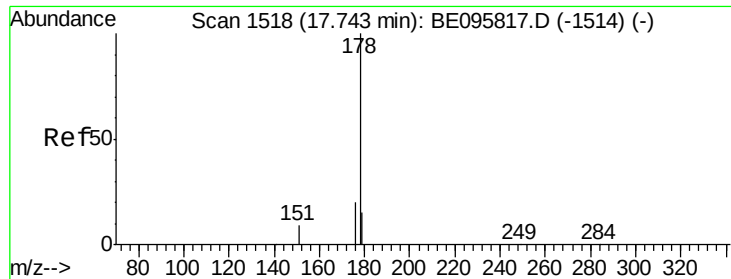


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.374 ng

RT: 17.74 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

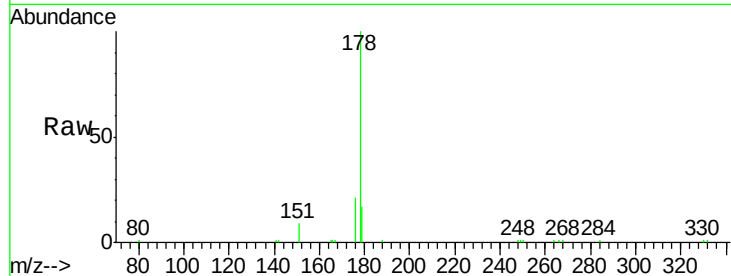
BNA_E

ClientSampleId :

PB107516BS

Tot Ion:178 Resp: 6840

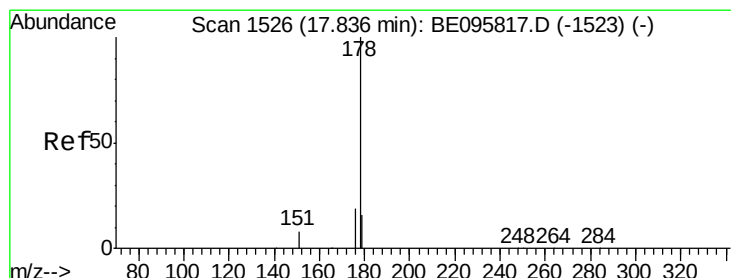
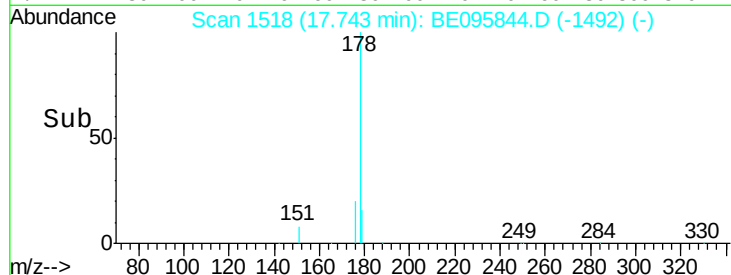
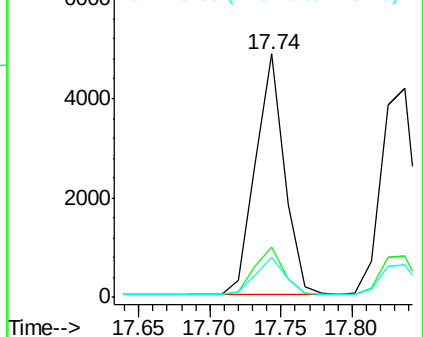
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.1	22.7
179	15.4	11.8	17.6



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: 0.372 ng

RT: 17.84 min Scan# 1526

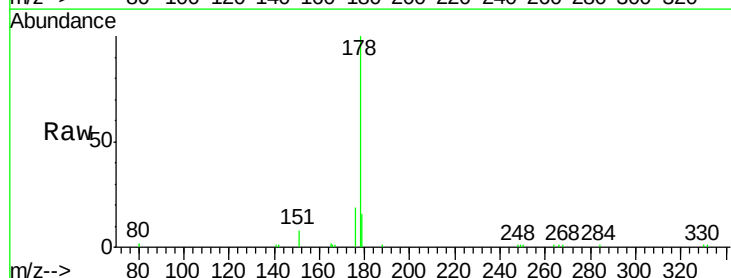
Delta R.T. 0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Tgt Ion:178 Resp: 6803

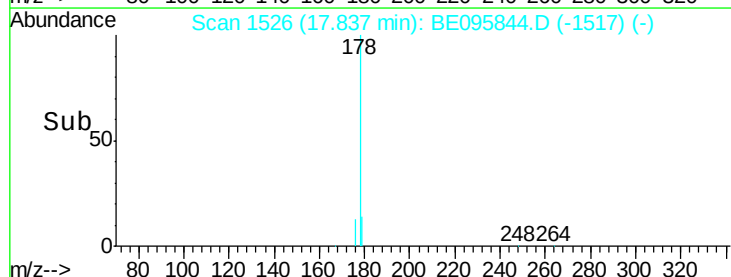
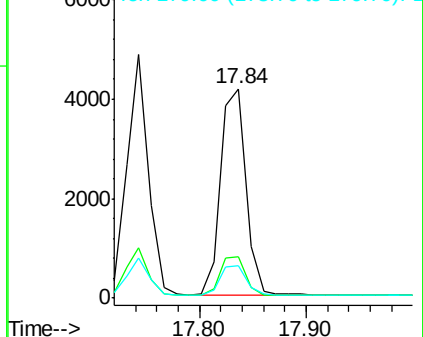
Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	15.0	13.0	19.6

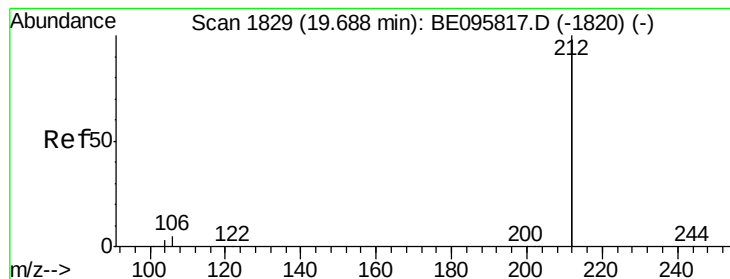


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.323 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

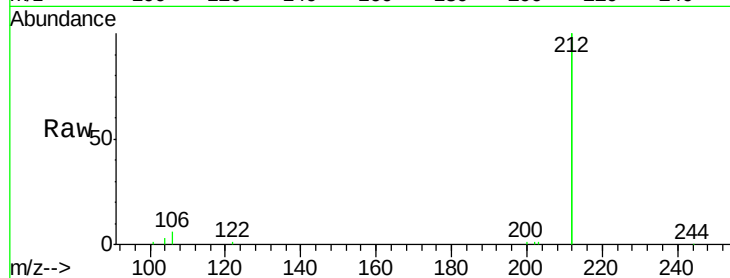
Tot Ion:212 Resp: 29255

Ion Ratio Lower Upper

212 100

106 2.8 2.8 4.2

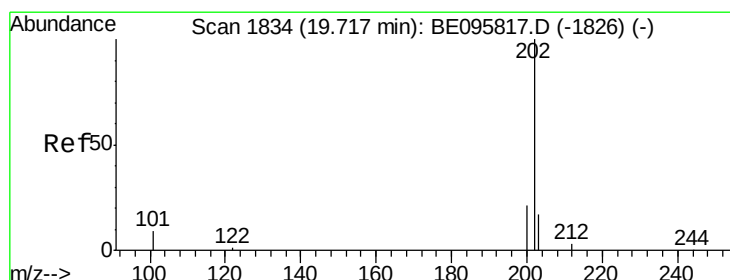
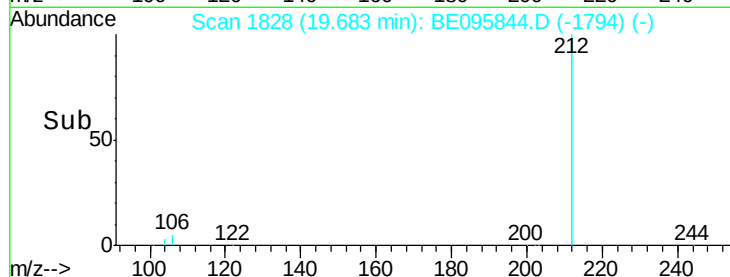
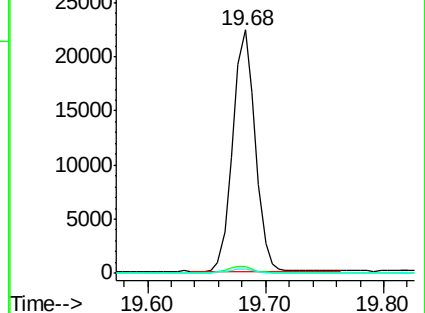
104 1.7 1.6 2.4



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: 0.342 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

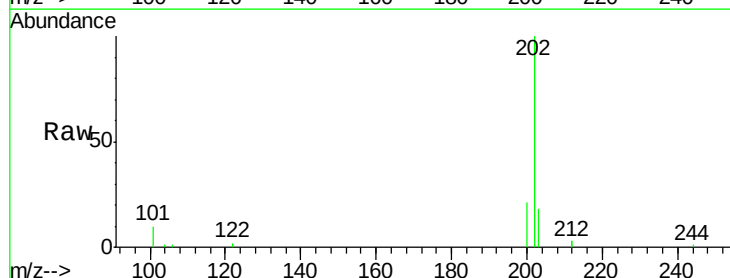
Tgt Ion:202 Resp: 8682

Ion Ratio Lower Upper

202 100

101 10.3 9.8 14.8

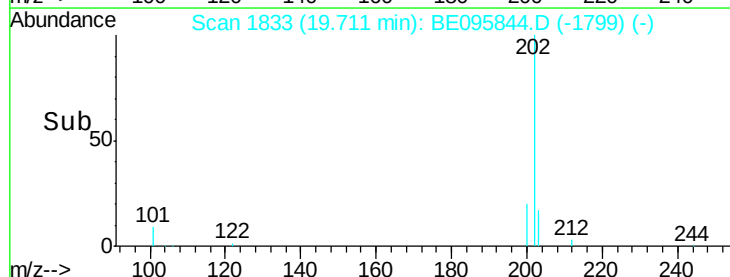
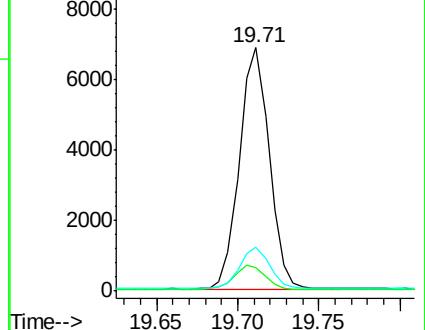
203 17.2 13.7 20.5

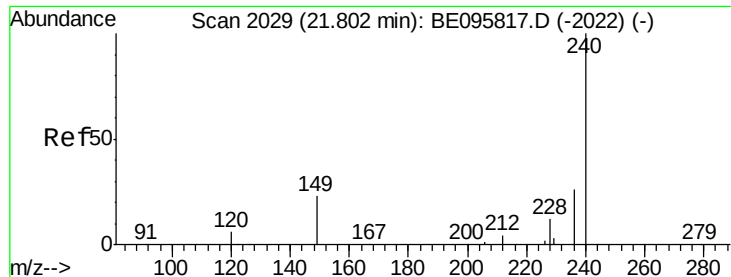


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

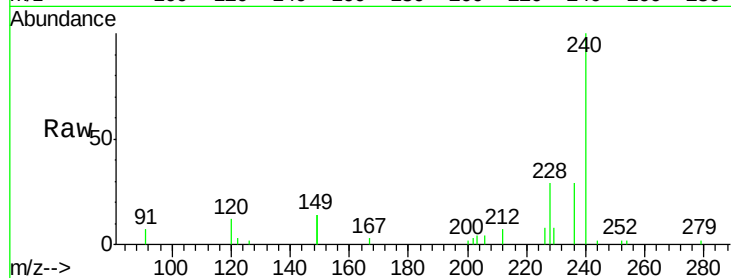
Tot Ion:240 Resp: 6432

Ion Ratio Lower Upper

240 100

120 12.2 5.5 8.3#

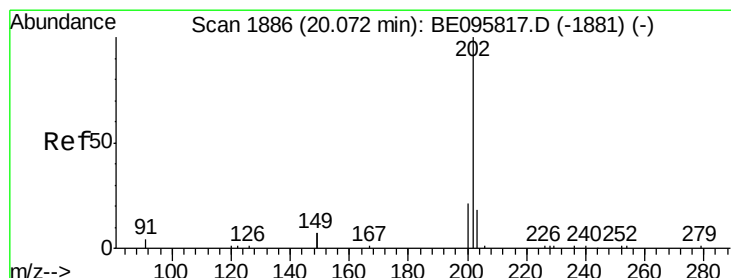
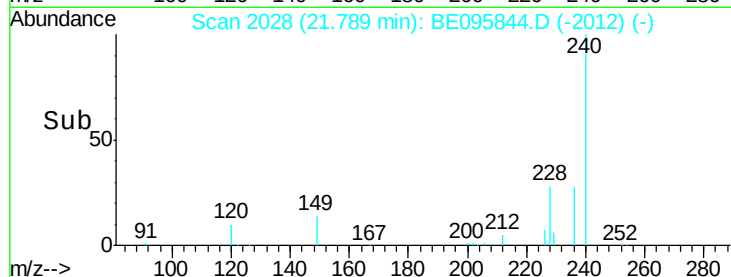
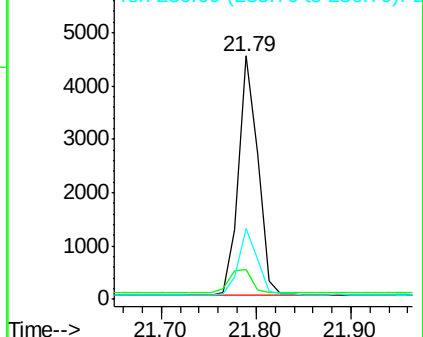
236 29.0 20.7 31.1



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: 0.427 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

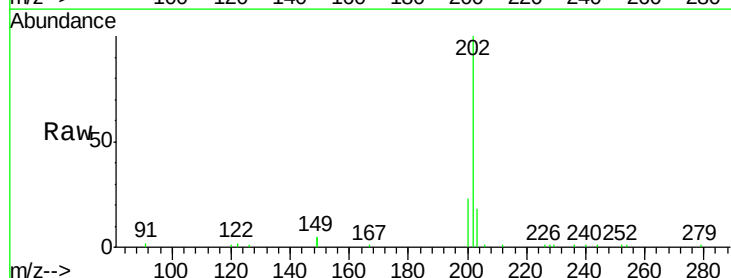
Tgt Ion:202 Resp: 11183

Ion Ratio Lower Upper

202 100

200 23.4 16.6 25.0

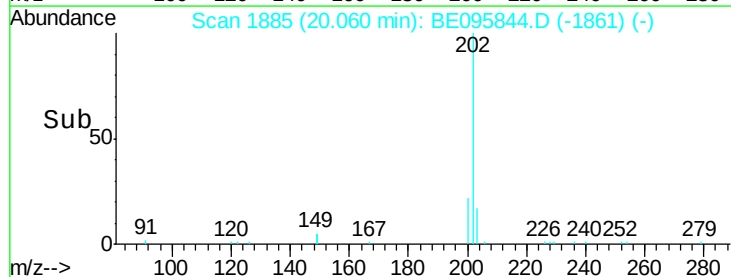
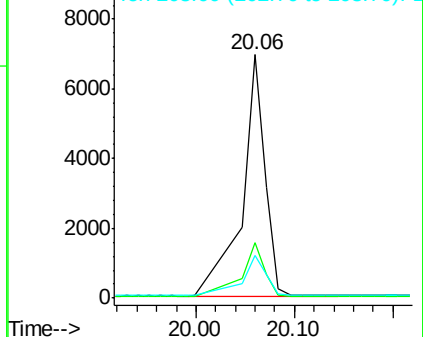
203 17.3 13.8 20.8

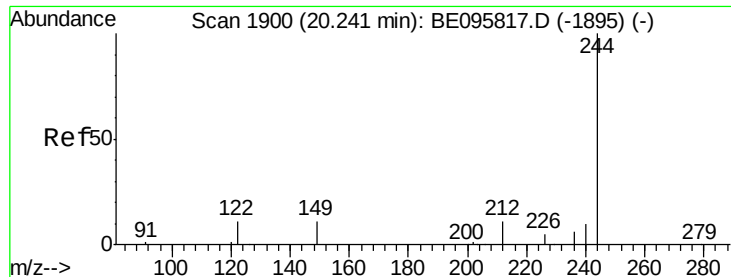


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.508 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

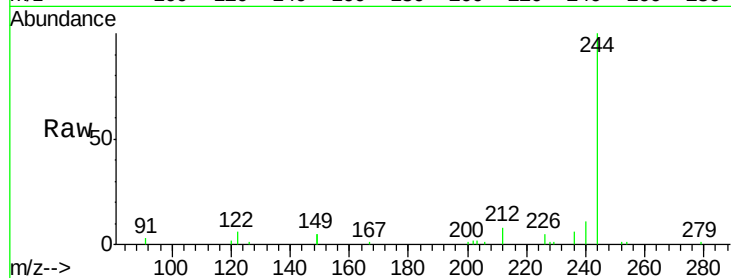
Tot Ion:244 Resp: 6943

Ion Ratio Lower Upper

244 100

212 8.2 25.4 38.0#

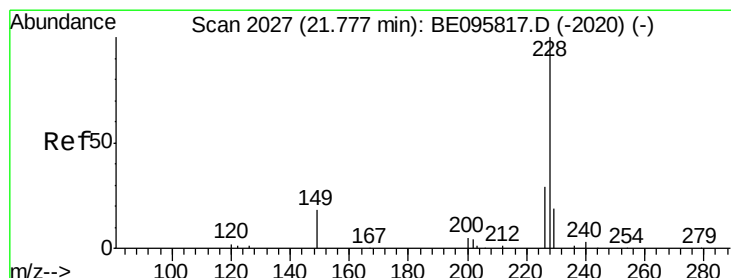
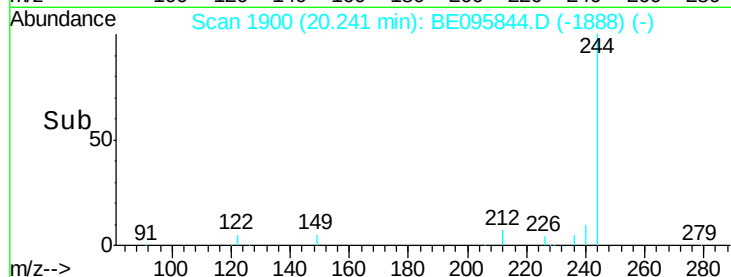
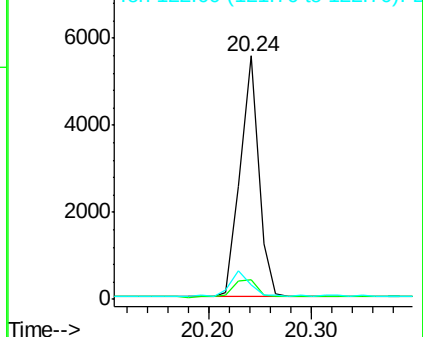
122 6.1 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.381 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

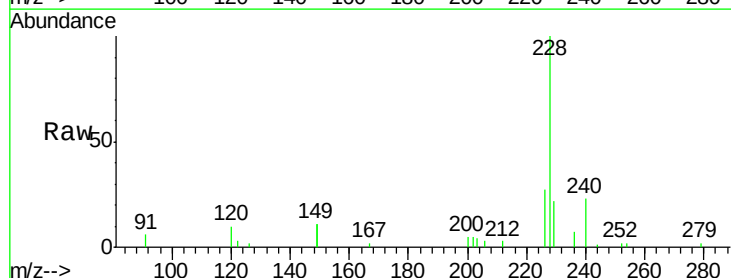
Tgt Ion:228 Resp: 8490

Ion Ratio Lower Upper

228 100

226 27.0 24.0 36.0

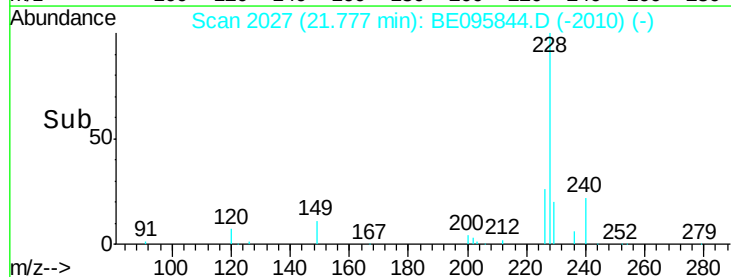
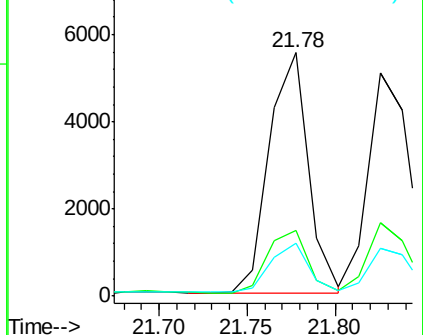
229 21.7 16.0 24.0

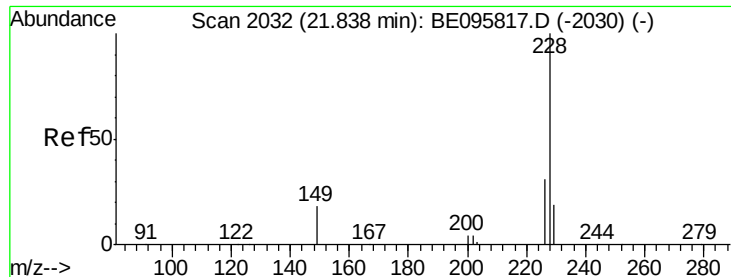


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

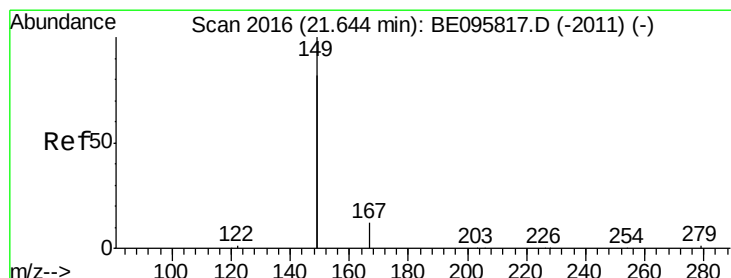
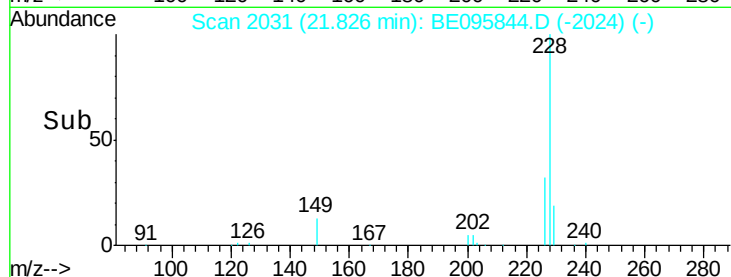
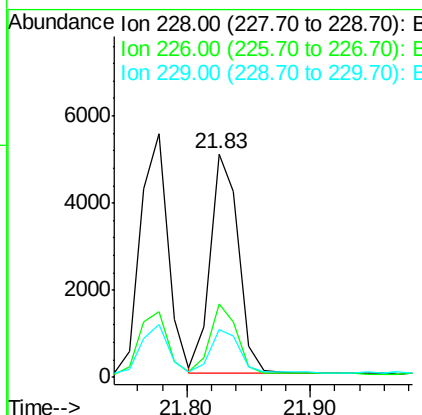
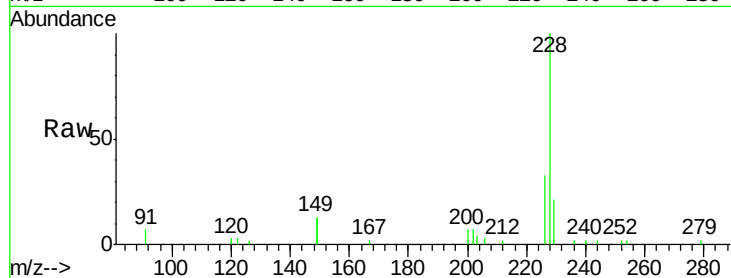




#31
Chrysene
Concen: 0.393 ng
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095844.D
Acq: 26 Mar 2018 17:26

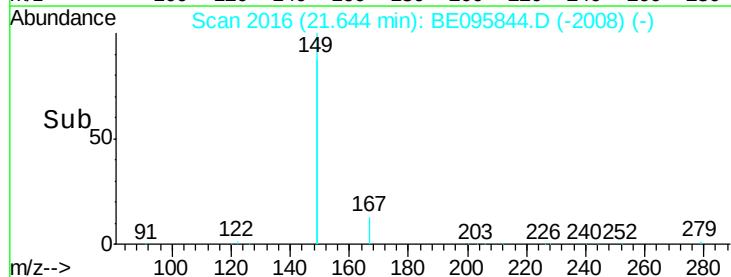
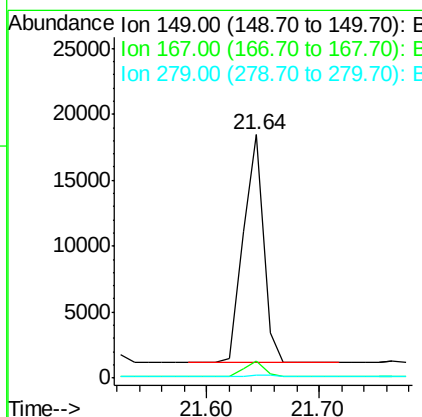
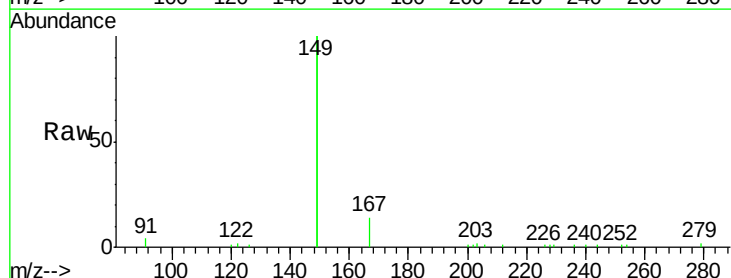
Instrument :
BNA_E
ClientSampleId :
PB107516BS

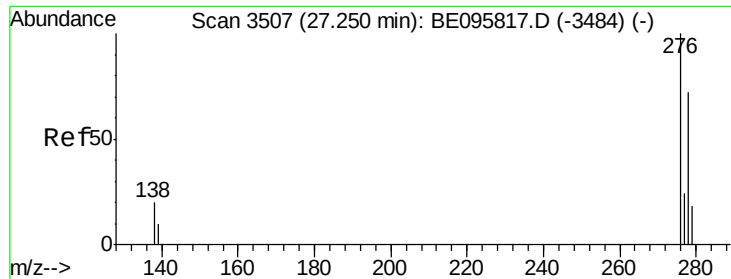
Tot Ion:228 Resp: 8001
Ion Ratio Lower Upper
228 100
226 32.9 24.0 36.0
229 21.1 16.0 24.0



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.323 ng
RT: 21.64 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095844.D
Acq: 26 Mar 2018 17:26

Tgt Ion:149 Resp: 22007
Ion Ratio Lower Upper
149 100
167 7.1 5.4 8.0
279 0.9 0.7 1.1





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.436 ng

RT: 27.22 min Scan# 3499

Delta R.T. -0.03 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

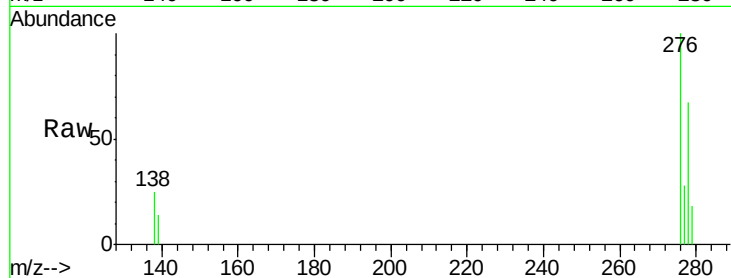
Tot Ion:276 Resp: 9568

Ion Ratio Lower Upper

276 100

138 23.2 22.5 33.7

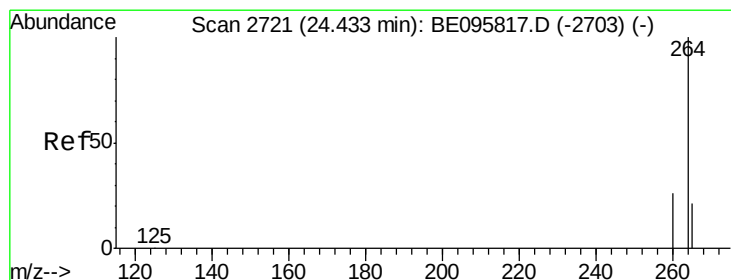
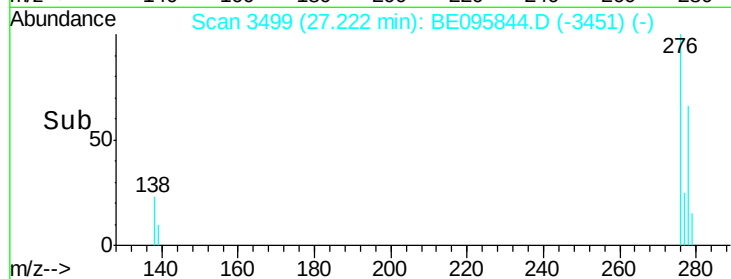
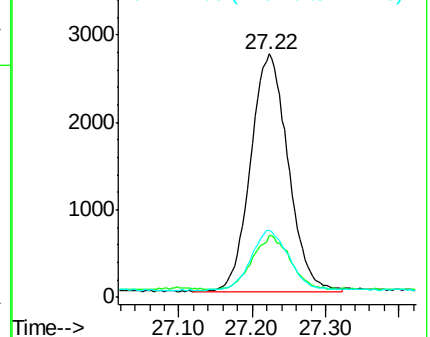
277 25.8 19.9 29.9



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

Perylene-d12

Concen: 0.400 ng

RT: 24.42 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

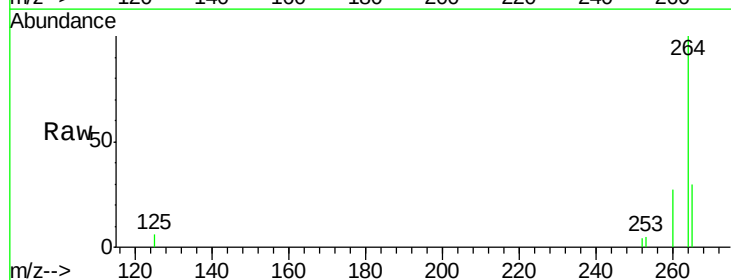
Tgt Ion:264 Resp: 6578

Ion Ratio Lower Upper

264 100

260 27.2 20.5 30.7

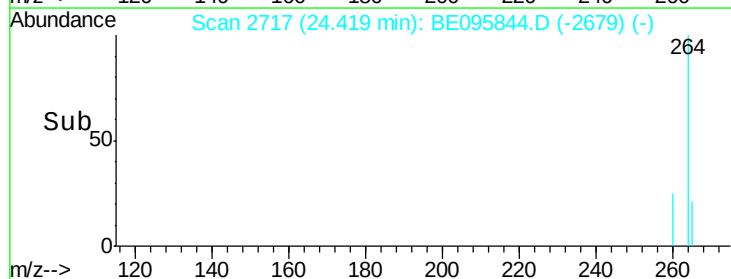
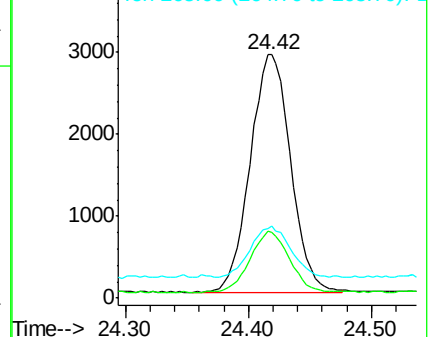
265 29.5 22.8 34.2

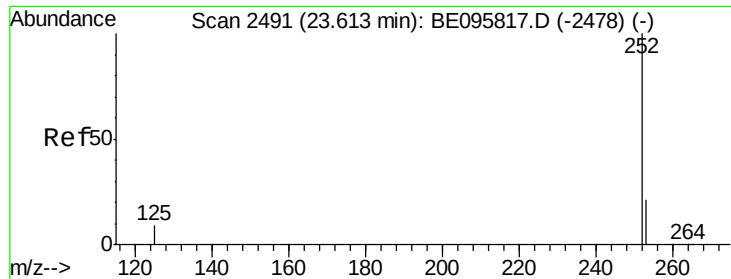


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.376 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

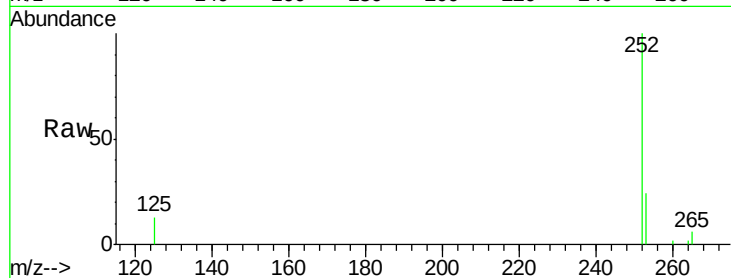
Tot Ion:252 Resp: 8183

Ion Ratio Lower Upper

252 100

253 24.1 20.0 30.0

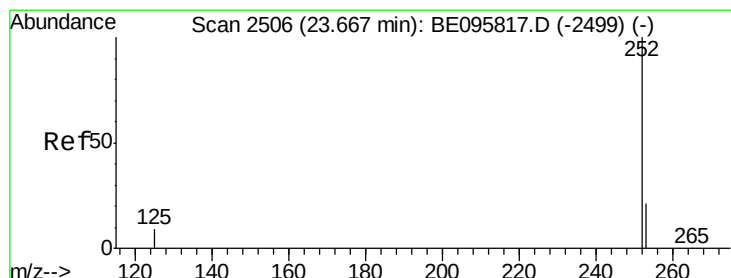
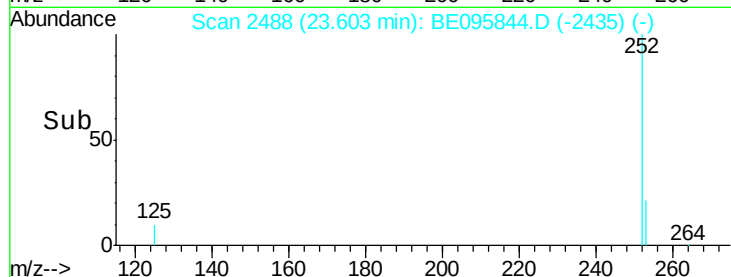
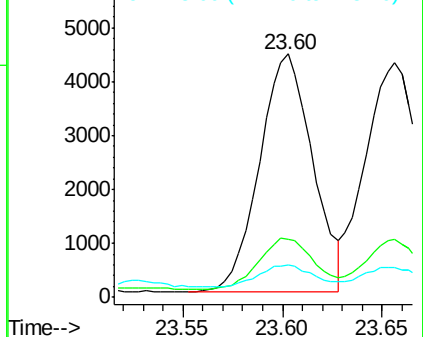
125 13.3 16.0 24.0#



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: 0.373 ng

RT: 23.66 min Scan# 2503

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

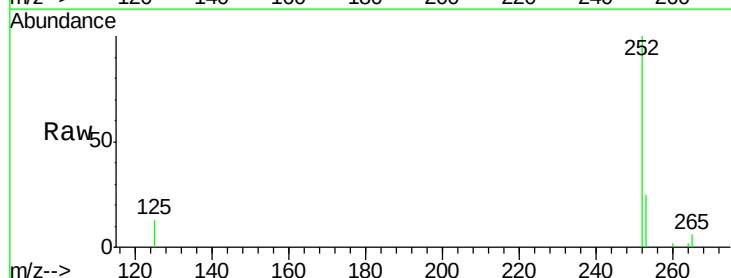
Tgt Ion:252 Resp: 8109

Ion Ratio Lower Upper

252 100

253 24.9 16.0 24.0#

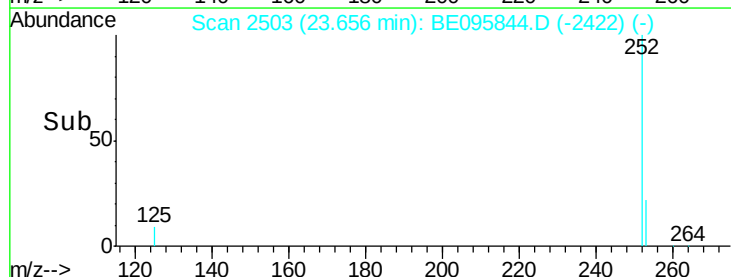
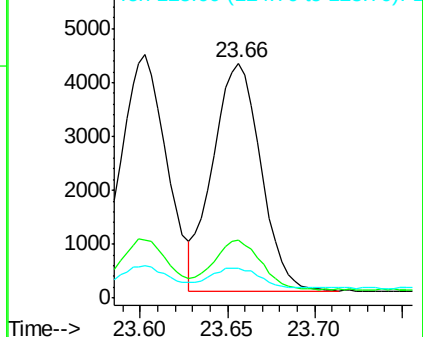
125 12.7 8.0 12.0#

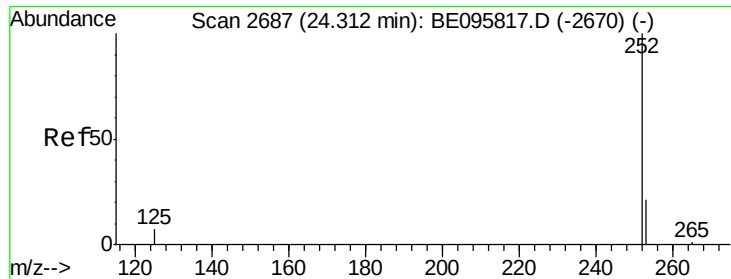


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.392 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

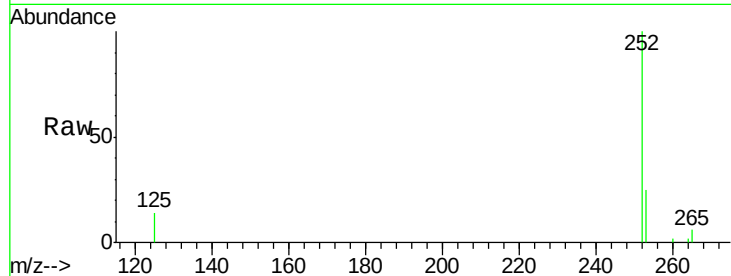
Tot Ion:252 Resp: 7995

Ion Ratio Lower Upper

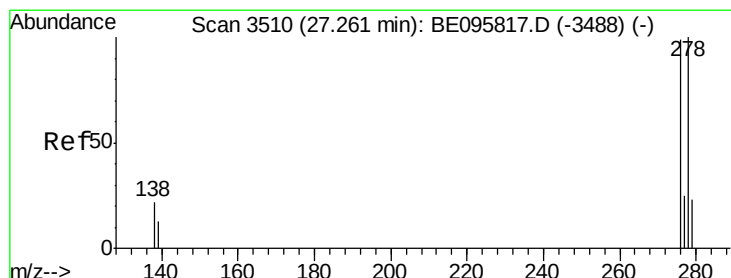
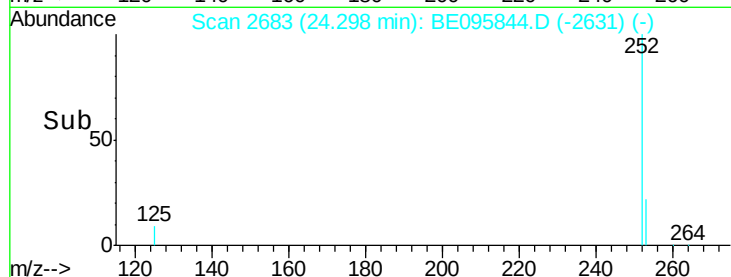
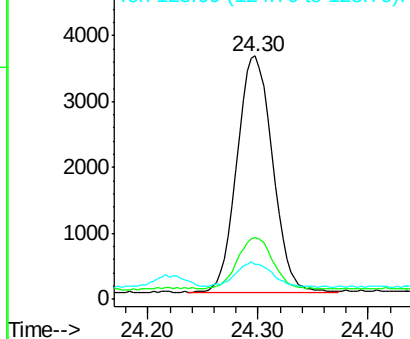
252 100

253 25.5 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: 0.413 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.02 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

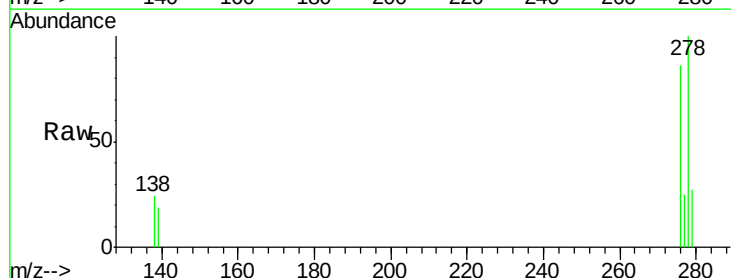
Tgt Ion:278 Resp: 8013

Ion Ratio Lower Upper

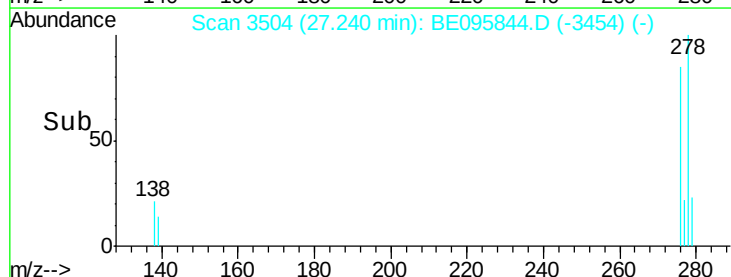
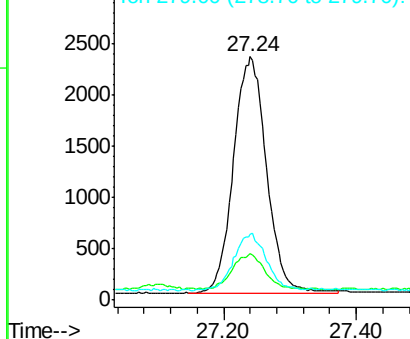
278 100

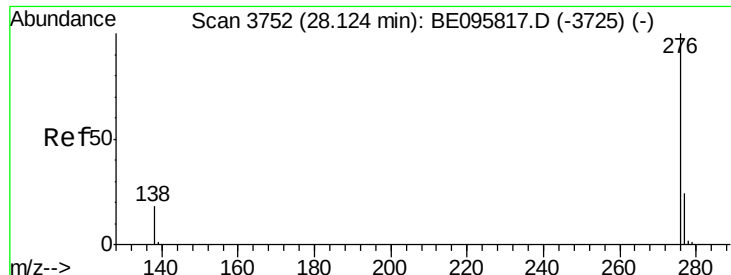
139 19.0 16.0 24.0

279 26.9 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(a,h,i)perylene

Concen: 0.419 ng

RT: 28.10 min Scan# 3744

Delta R.T. -0.03 min

Lab File: BE095844.D

Acq: 26 Mar 2018 17:26

Instrument :

BNA_E

ClientSampleId :

PB107516BS

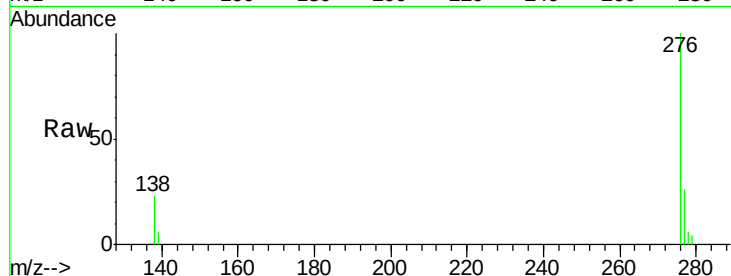
Tot Ion: 276 Resp: 8165

Ion Ratio Lower Upper

276 100

277 26.3 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

