

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE040218\
 Data File : BE095935.D
 Acq On : 2 Apr 2018 19:41
 Operator : SJ/JU
 Sample : PB107891BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB107891BS

Quant Time: Apr 03 03:52:31 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	1261	0.40	ng	-0.02
7) Naphthalene-d8	11.26	136	4671	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	2416	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	5319	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	6350	0.40	ng	-0.01
34) Perylene-d12	24.42	264	6407	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.92	112	1627	0.39	ng	0.00
5) Phenol-d6	7.56	99	2285	0.40	ng	0.00
8) Nitrobenzene-d5	9.59	82	2488	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2807	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	16.46	330	496	0.36	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	5088	0.50	ng	-0.01
25) Fluoranthene-d10	19.68	212	28164	0.36	ng	0.00
29) Terphenyl-d14	20.24	244	6625	0.49	ng	0.00

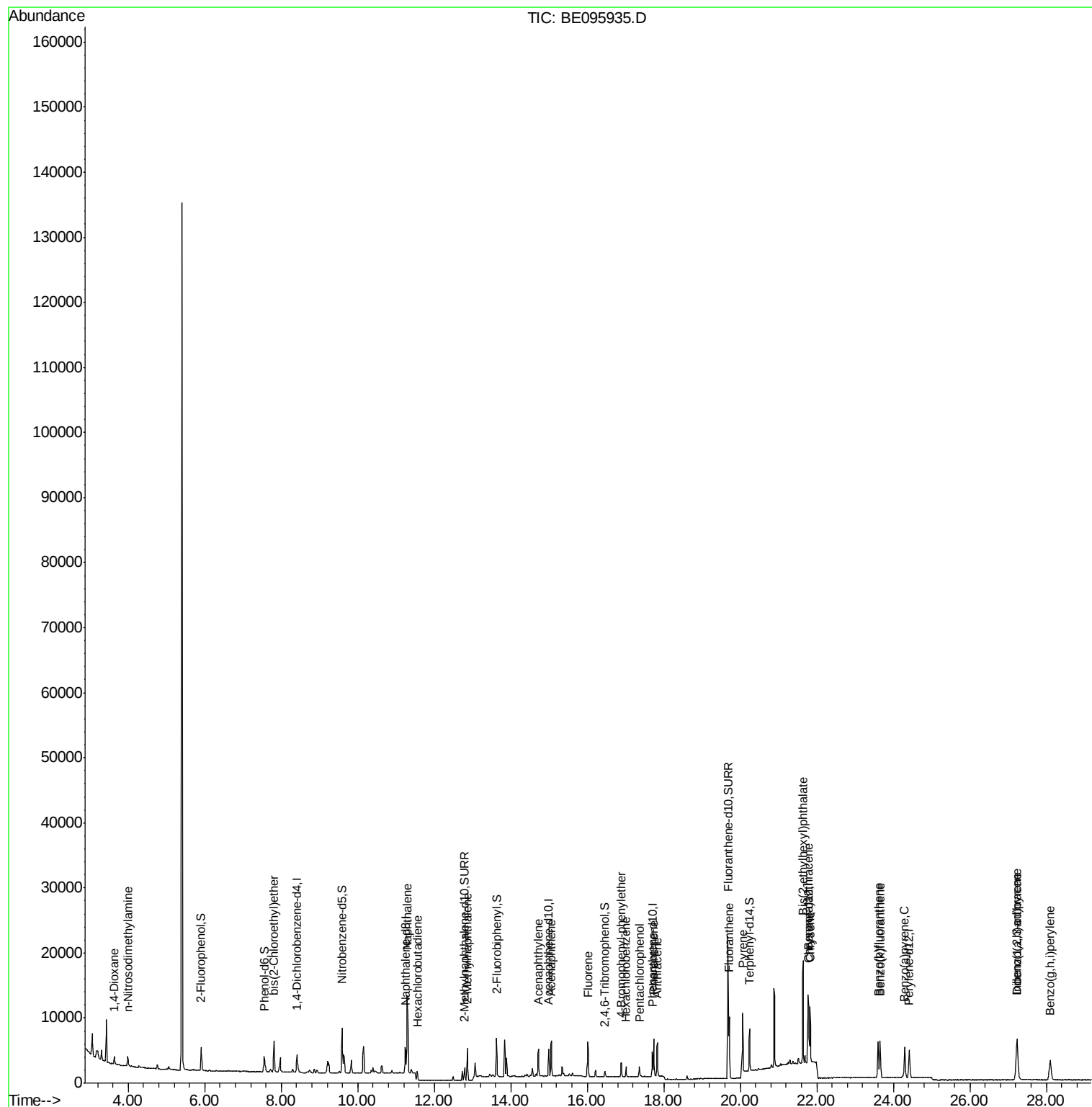
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.64	88	639	0.310	ng	# 59
3) n-Nitrosodimethylamine	3.99	42	1010	0.333	ng	83
6) bis(2-Chloroethyl)ether	7.81	93	1713	0.347	ng	97
9) Naphthalene	11.29	128	19749	0.370	ng	99
10) Hexachlorobutadiene	11.56	225	1222	0.334	ng	99
12) 2-Methylnaphthalene	12.86	142	3315	0.364	ng	96
16) Acenaphthylene	14.73	152	4896	0.354	ng	99
17) Acenaphthene	15.06	154	2902	0.344	ng	94
18) Fluorene	16.02	166	3764	0.340	ng	# 79
20) 4-Bromophenyl-phenylether	16.89	248	1199	0.375	ng	# 78
21) Hexachlorobenzene	17.02	284	1239	0.388	ng	# 83
22) Pentachlorophenol	17.36	266	820	0.811	ng	# 70
23) Phenanthrene	17.74	178	5849	0.367	ng	98
24) Anthracene	17.84	178	5843	0.367	ng	# 95
26) Fluoranthene	19.71	202	7945	0.359	ng	97
28) Pyrene	20.06	202	8593	0.332	ng	# 89
30) Benzo(a)anthracene	21.78	228	8365	0.380	ng	94
31) Chrysene	21.83	228	7792	0.388	ng	98
32) Bis(2-ethylhexyl)phthalate	21.64	149	21418	0.318	ng	# 100
33) Indeno(1,2,3-cd)pyrene	27.22	276	8835	0.408	ng	95
35) Benzo(b)fluoranthene	23.60	252	8009	0.378	ng	# 93
36) Benzo(k)fluoranthene	23.65	252	7999	0.377	ng	# 90
37) Benzo(a)pyrene	24.30	252	7766	0.391	ng	# 93
38) Dibenzo(a,h)anthracene	27.24	278	7155	0.379	ng	98
39) Benzo(g,h,i)perylene	28.10	276	7370	0.389	ng	# 91

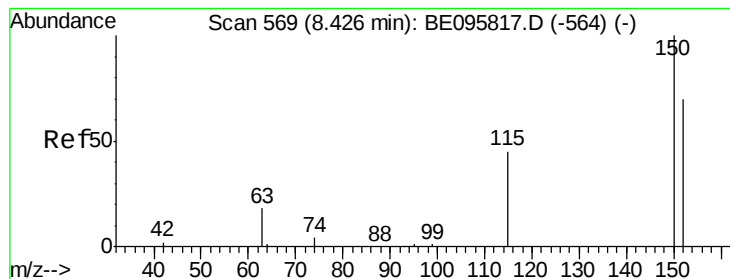
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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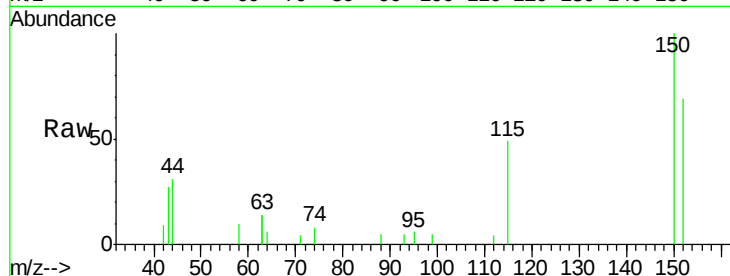


#1

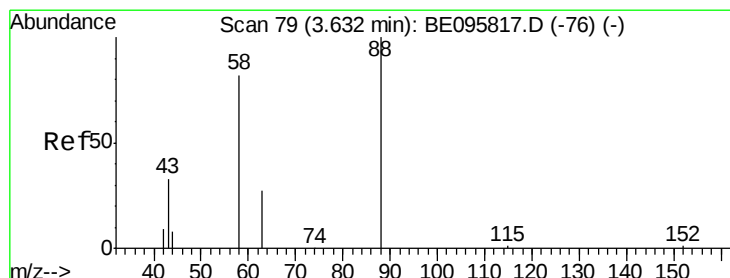
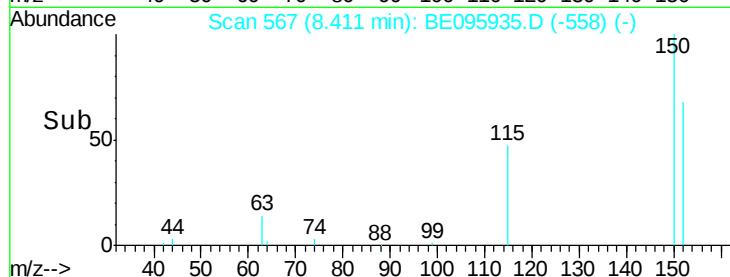
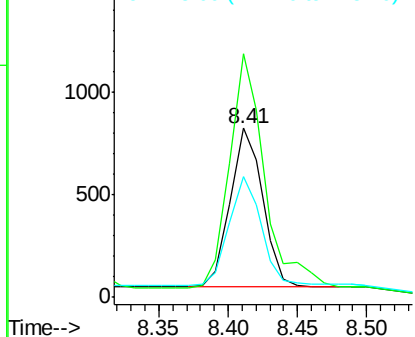
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.41 min Scan# 567
Delta R.T. -0.02 min
Lab File: BE095935.D
Acq: 2 Apr 2018 19:41

Instrument :
BNA_E
ClientSampleId :
PB107891BS

Tot Ion:152 Resp: 1261
Ion Ratio Lower Upper
152 100
150 143.9 117.2 175.8
115 71.2 57.0 85.6



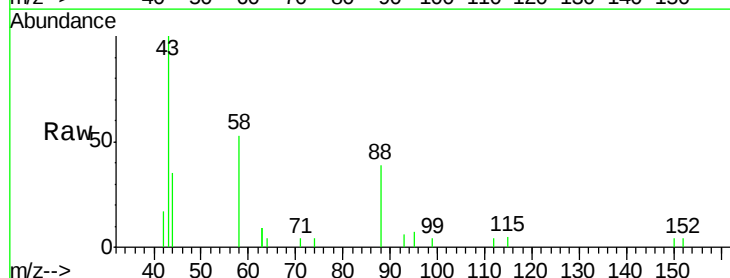
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



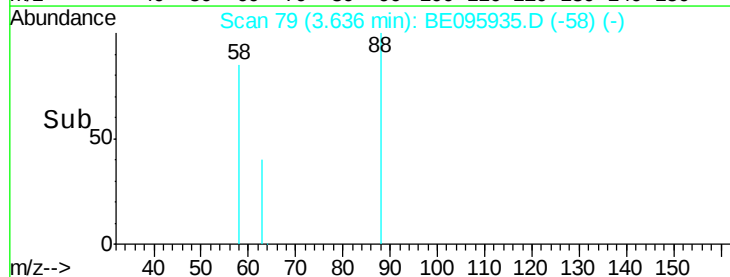
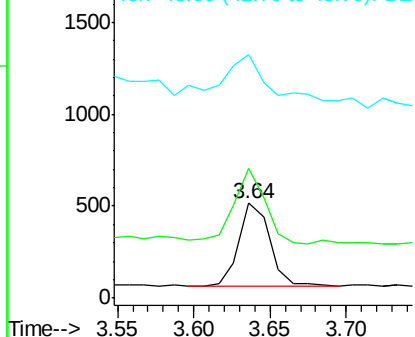
#2

1,4-Dioxane
Concen: 0.310 ng
RT: 3.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: BE095935.D
Acq: 2 Apr 2018 19:41

Tgt Ion: 88 Resp: 639
Ion Ratio Lower Upper
88 100
58 94.7 63.2 94.8
43 105.2 41.2 61.8#



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



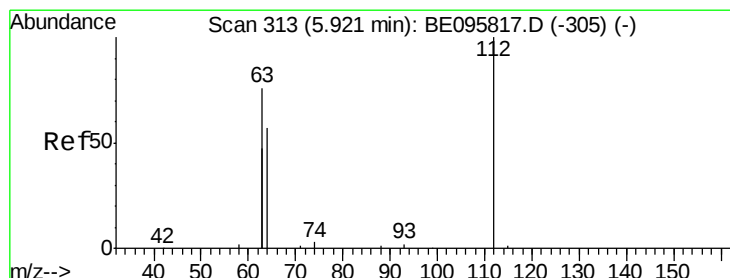
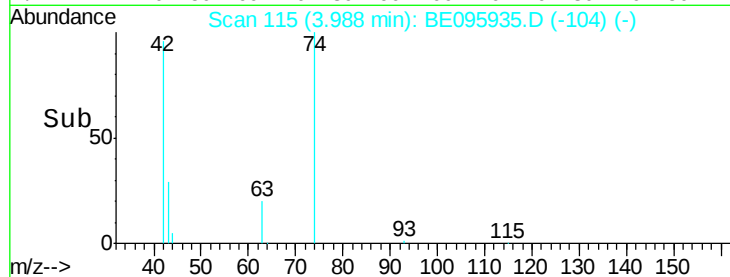
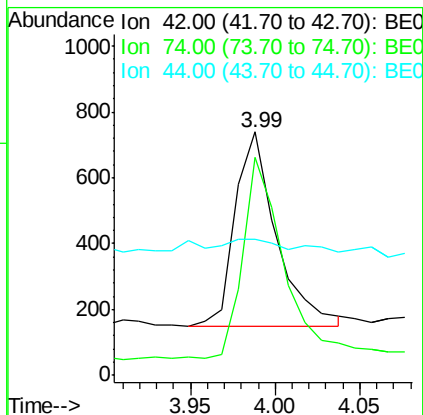
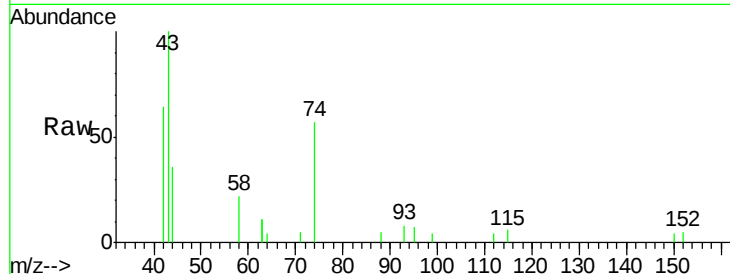


#3

n-Nitrosodimethylamine
 Concen: 0.333 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.00 min
 Lab File: BE095935.D
 Acq: 2 Apr 2018 19:41

Instrument :
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 ClientSampleId :
 PB107891BS

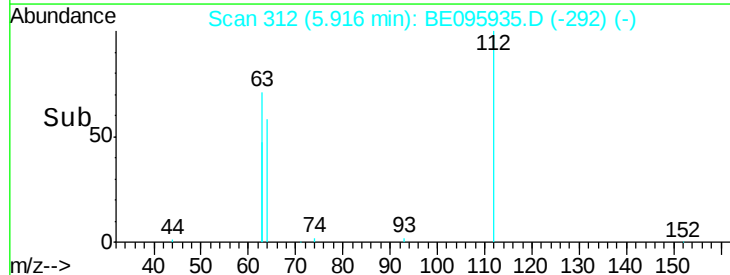
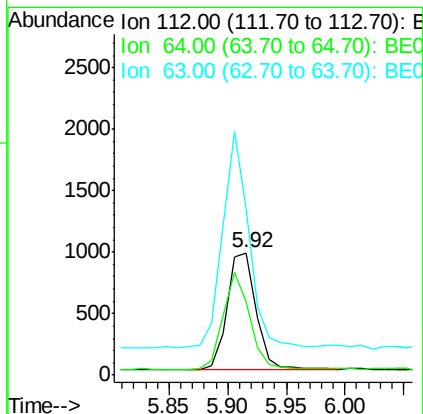
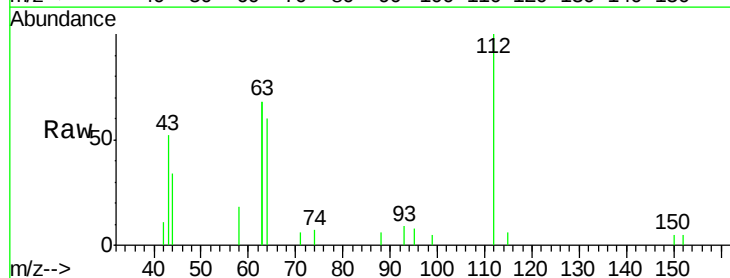
Tot Ion: 42 Resp: 1010
 Ion Ratio Lower Upper
 42 100
 74 100.3 96.0 144.0
 44 12.2 12.0 18.0

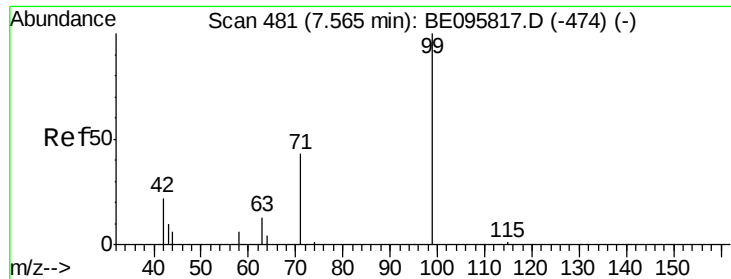


#4

2-Fluorophenol
 Concen: 0.391 ng
 RT: 5.92 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095935.D
 Acq: 2 Apr 2018 19:41

Tgt Ion: 112 Resp: 1627
 Ion Ratio Lower Upper
 112 100
 64 77.8 60.1 90.1
 63 169.5 116.8 175.2





#5

Phenol-d6

Concen: 0.400 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

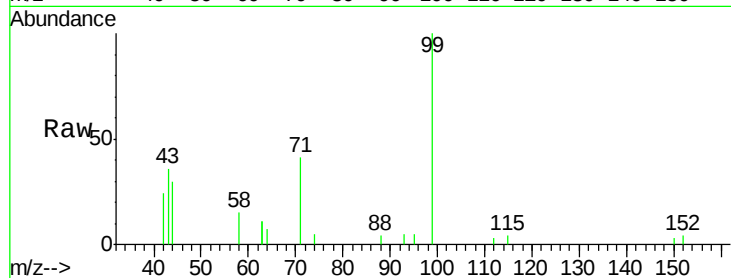
Tot Ion: 99 Resp: 2285

Ion Ratio Lower Upper

99 100

42 25.3 20.2 30.2

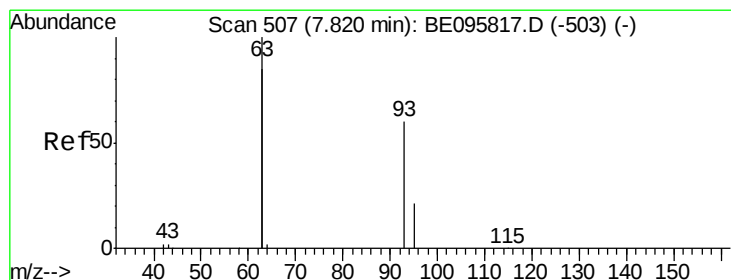
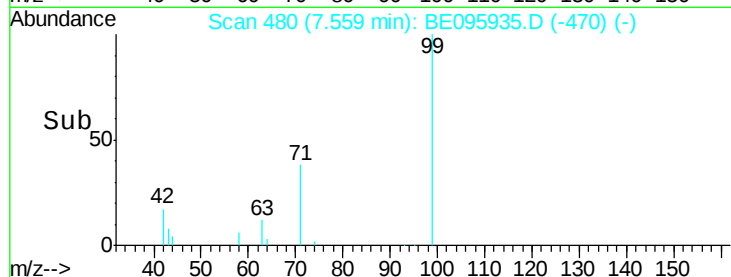
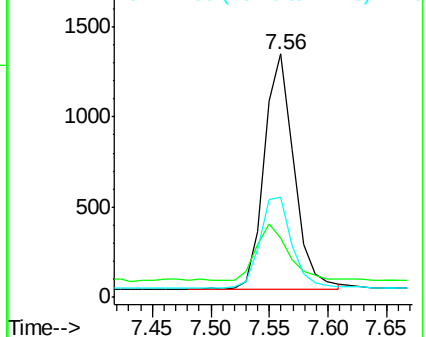
71 41.8 28.4 42.6



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: 0.347 ng

RT: 7.81 min Scan# 506

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

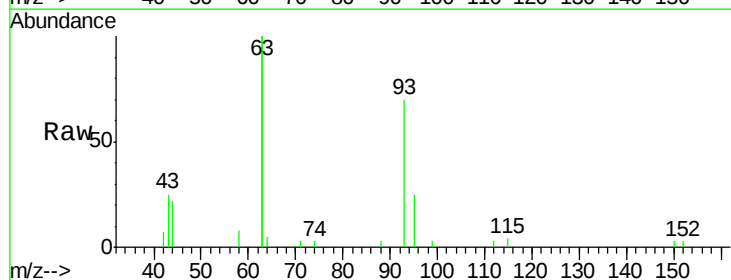
Tgt Ion: 93 Resp: 1713

Ion Ratio Lower Upper

93 100

63 337.2 275.3 412.9

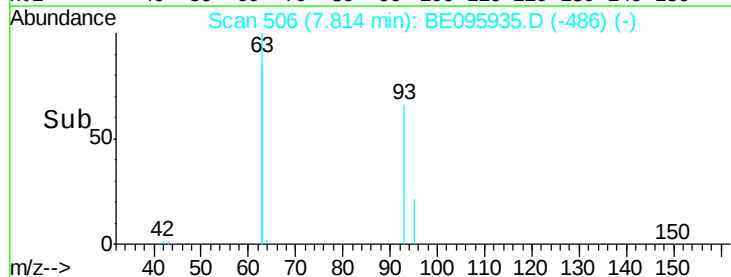
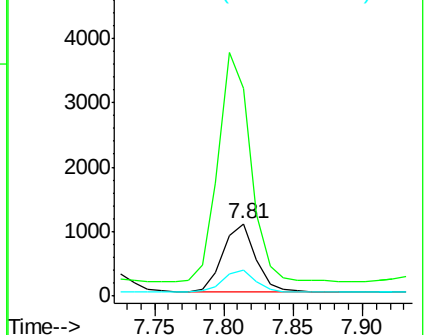
95 31.2 25.2 37.8

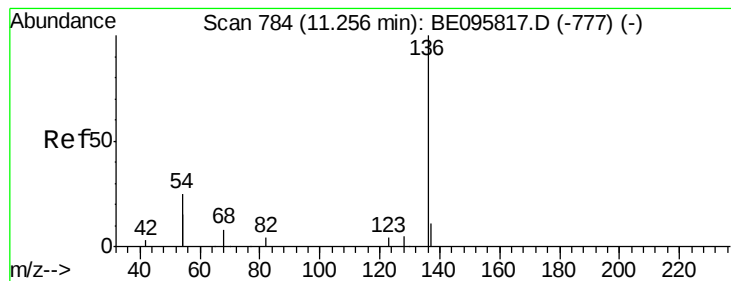


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

Tot Ion:136 Resp: 4671

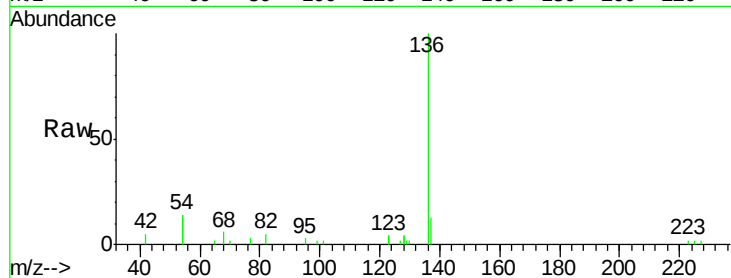
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 28.8 29.1 43.7#

68 6.5 6.2 9.2

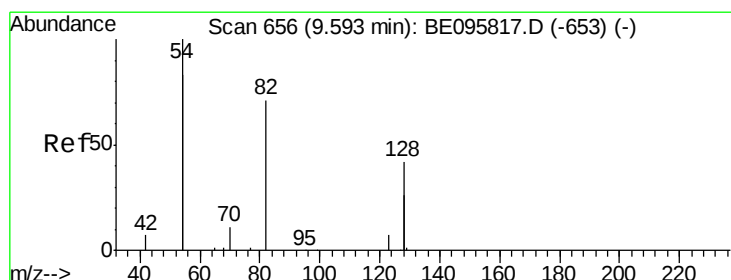
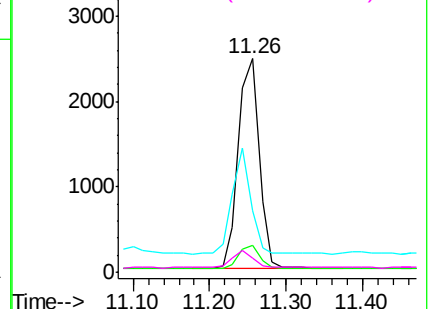
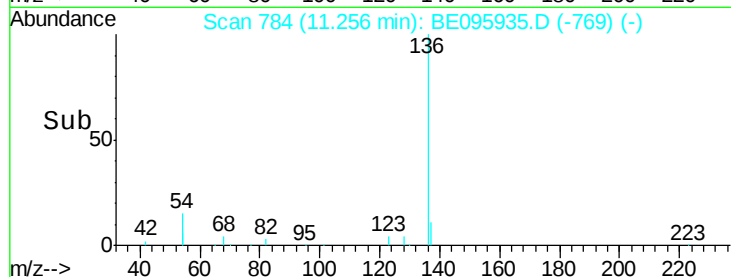


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.451 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

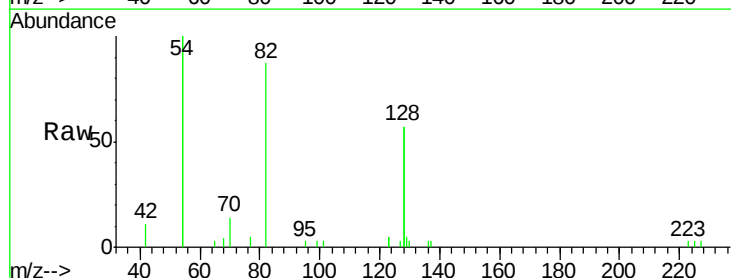
Tgt Ion: 82 Resp: 2488

Ion Ratio Lower Upper

82 100

128 131.0 150.0 225.0#

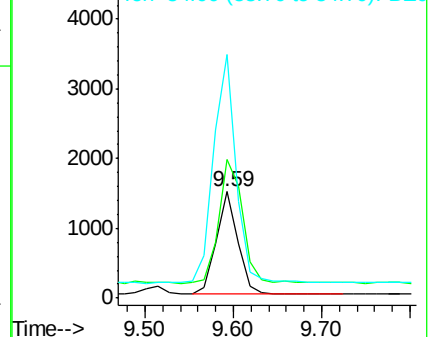
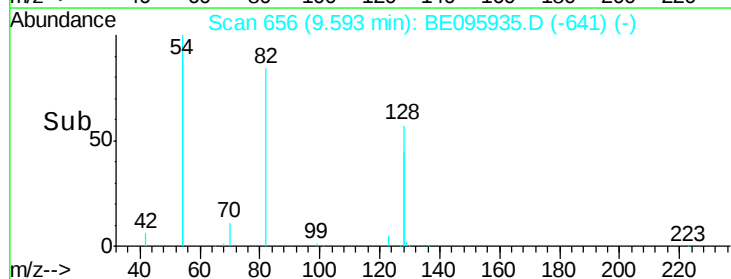
54 229.6 154.2 231.4



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: 0.370 ng

RT: 11.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

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PB107891BS

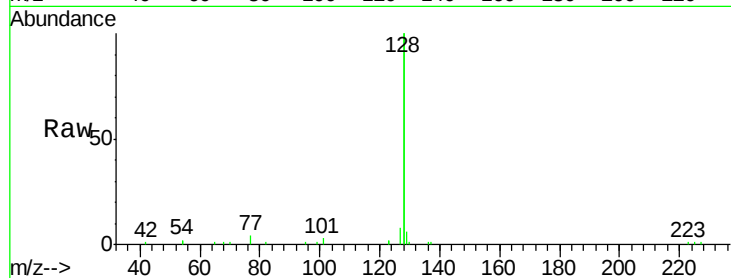
Tot Ion:128 Resp: 19749

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

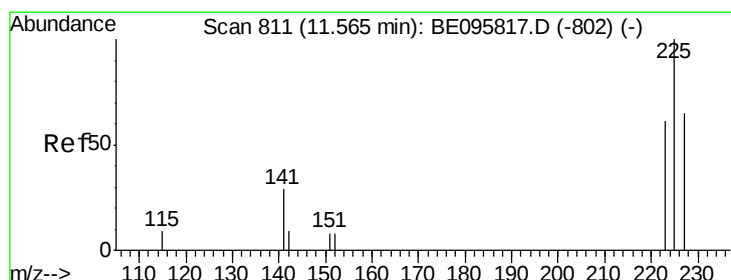
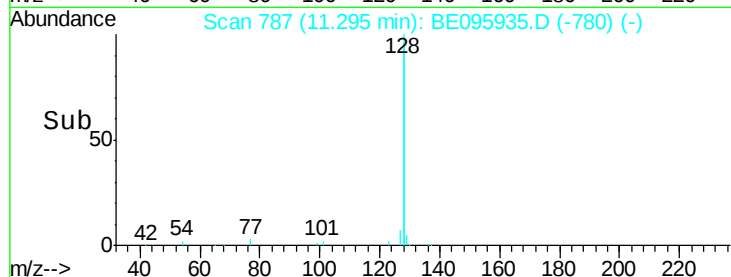
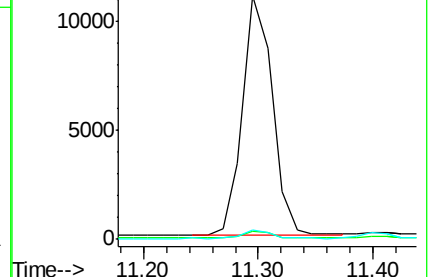
127 3.9 2.8 4.2



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: 0.334 ng

RT: 11.56 min Scan# 810

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

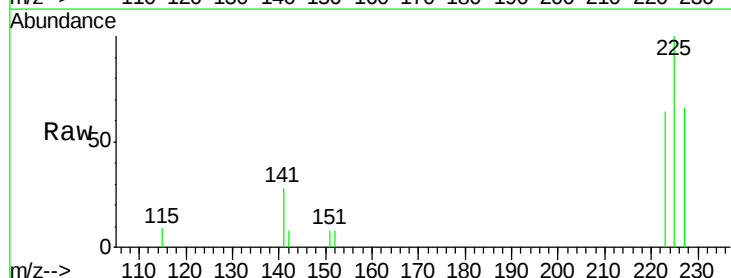
Tgt Ion:225 Resp: 1222

Ion Ratio Lower Upper

225 100

223 65.6 53.0 79.6

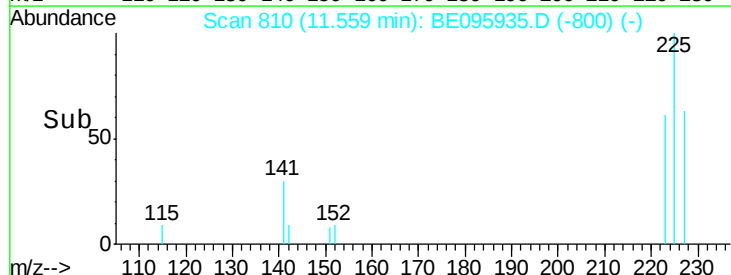
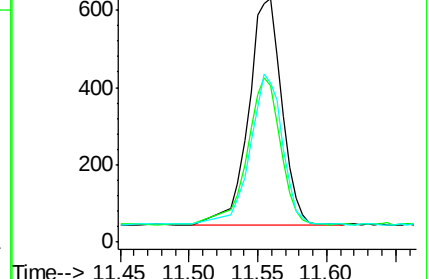
227 64.0 51.4 77.2

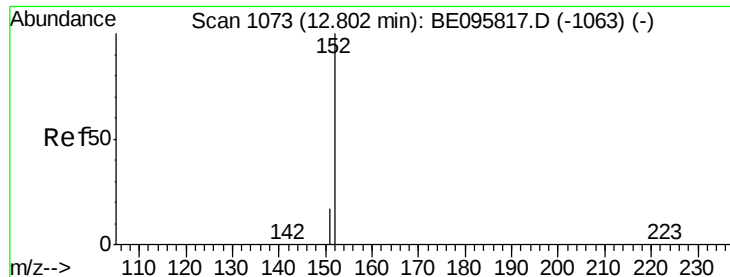


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.360 ng

RT: 12.79 min Scan# 1071

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

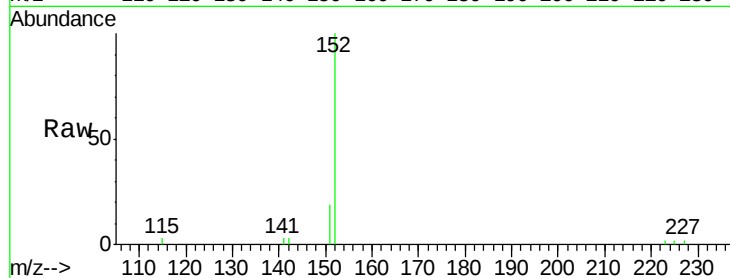
PB107891BS

Tot Ion:152 Resp: 2807

Ion Ratio Lower Upper

152 100

151 18.7 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.79

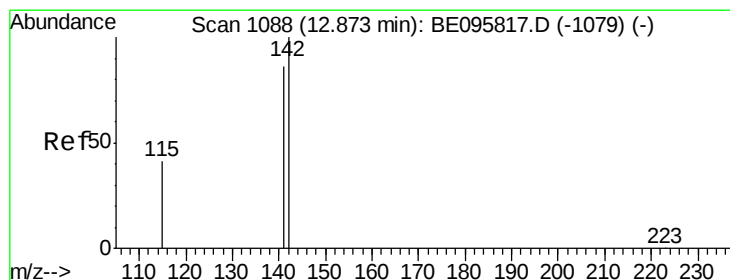
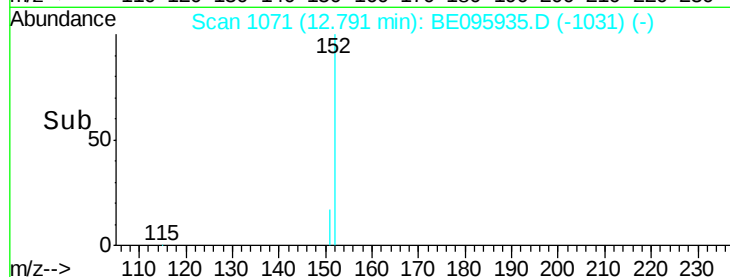
1500

1000

500

0

Time--> 12.70 12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.364 ng

RT: 12.86 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

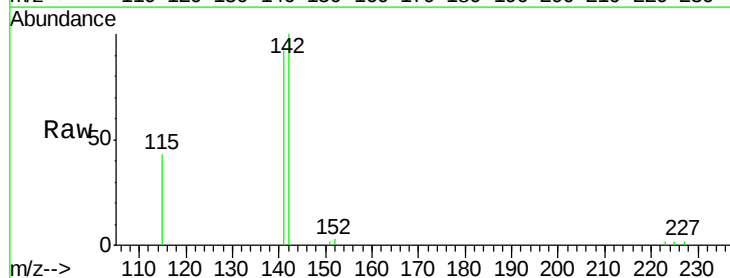
Tgt Ion:142 Resp: 3315

Ion Ratio Lower Upper

142 100

141 91.8 70.4 105.6

115 42.9 31.7 47.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.86

3000

2500

2000

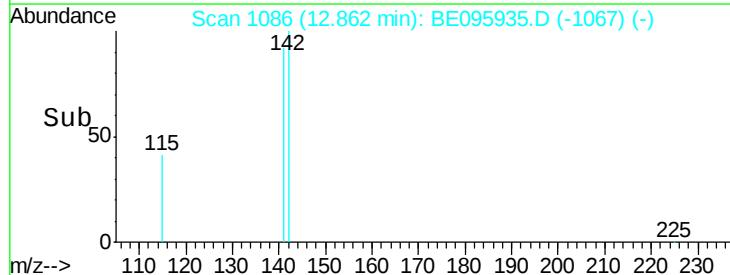
1500

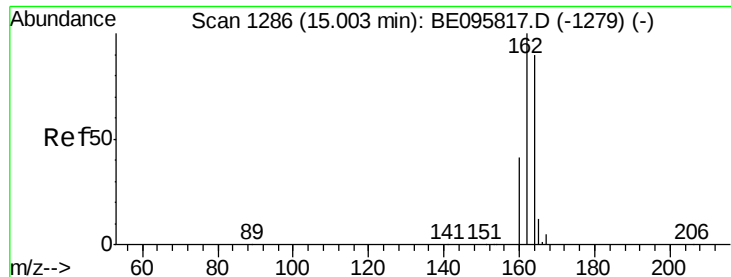
1000

500

0

Time--> 12.80 12.85 12.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

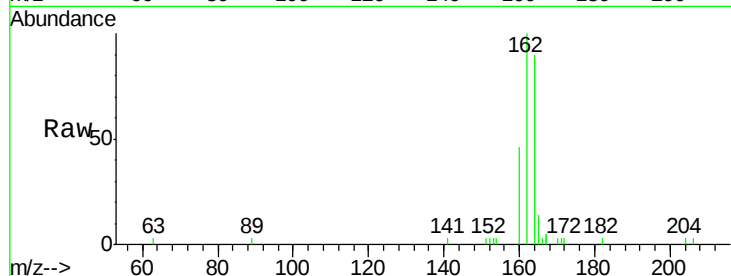
Tot Ion:164 Resp: 2416

Ion Ratio Lower Upper

164 100

162 110.7 83.1 124.7

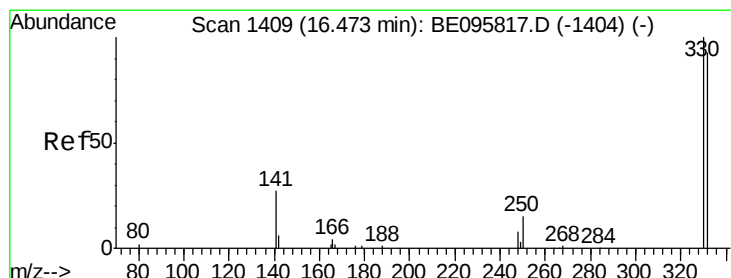
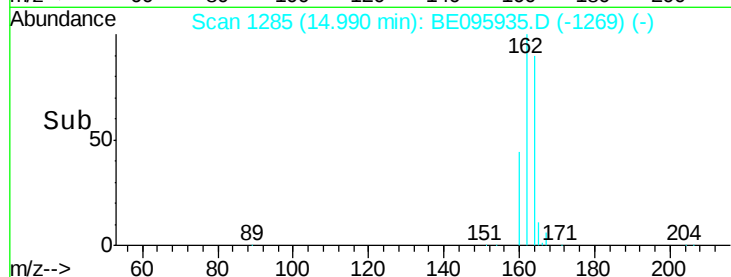
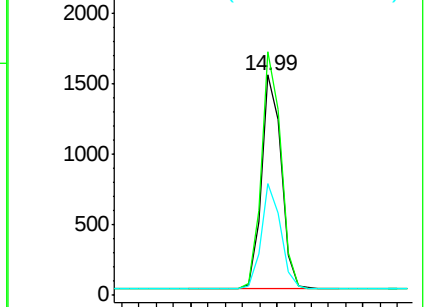
160 50.6 37.1 55.7



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: 0.356 ng

RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

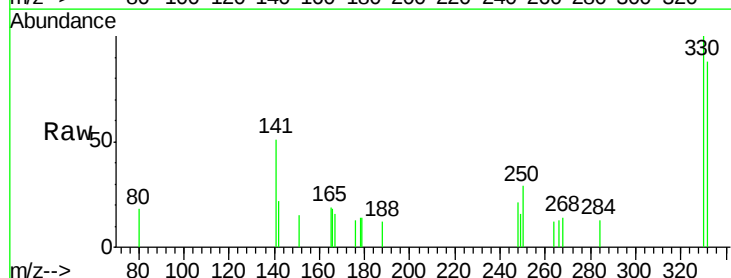
Tgt Ion:330 Resp: 496

Ion Ratio Lower Upper

330 100

332 90.9 152.7 229.1#

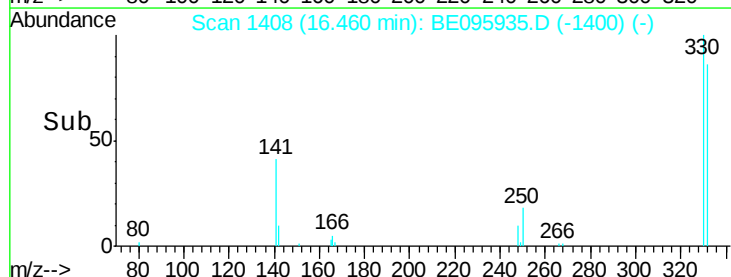
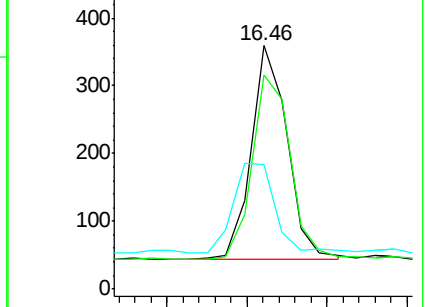
141 47.6 33.7 50.5

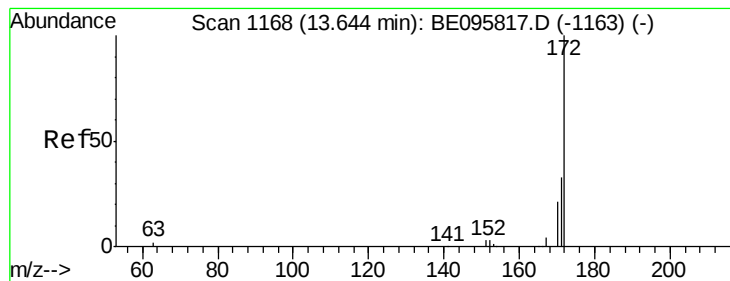


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.500 ng

RT: 13.63 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

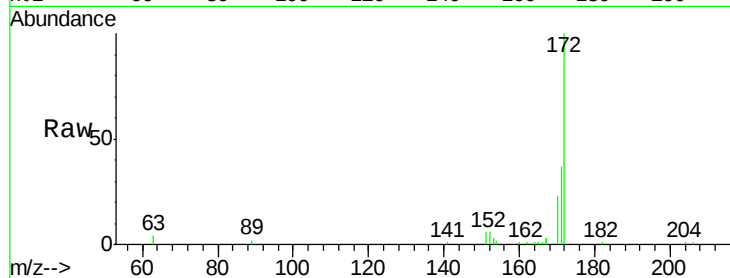
Tot Ion:172 Resp: 5088

Ion Ratio Lower Upper

172 100

171 36.6 29.9 44.9

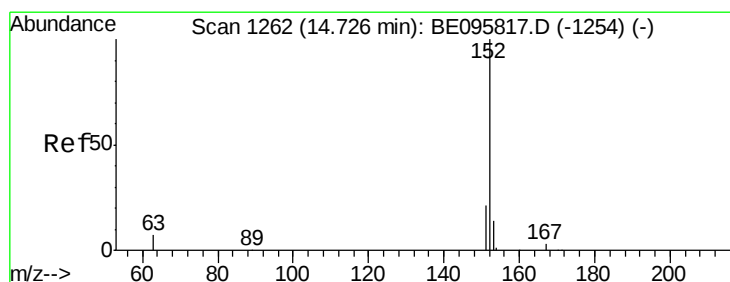
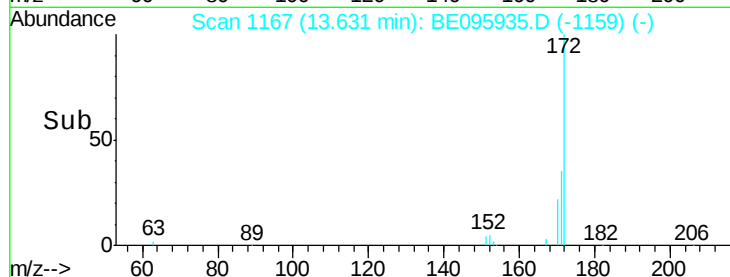
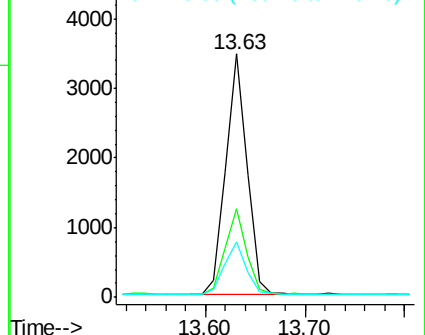
170 22.7 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.354 ng

RT: 14.73 min Scan# 1262

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

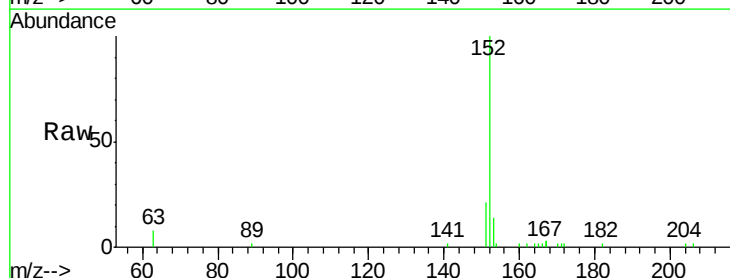
Tgt Ion:152 Resp: 4896

Ion Ratio Lower Upper

152 100

151 20.3 15.7 23.5

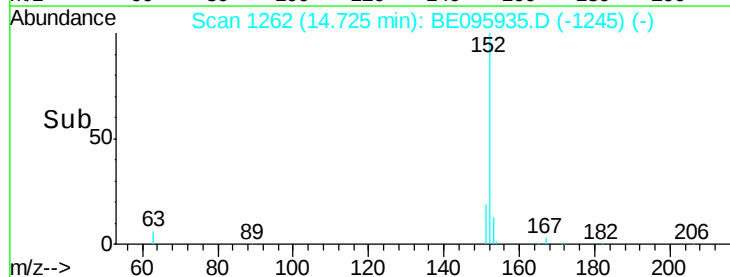
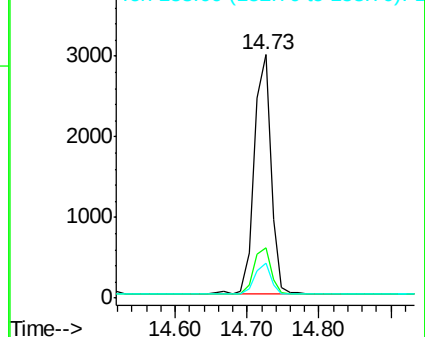
153 12.7 10.5 15.7

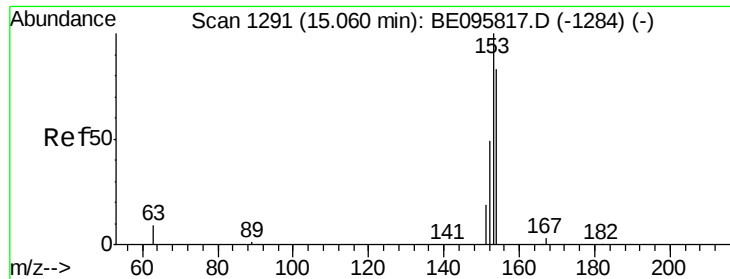


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.344 ng

RT: 15.06 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

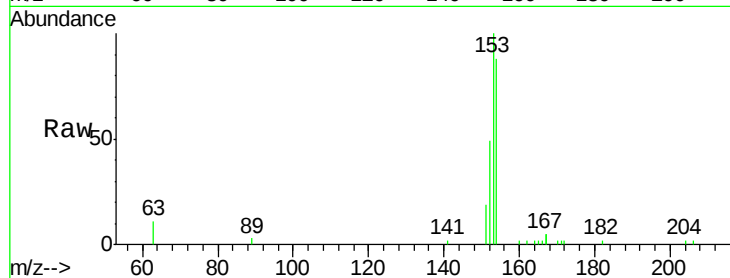
Tot Ion:154 Resp: 2902

Ion Ratio Lower Upper

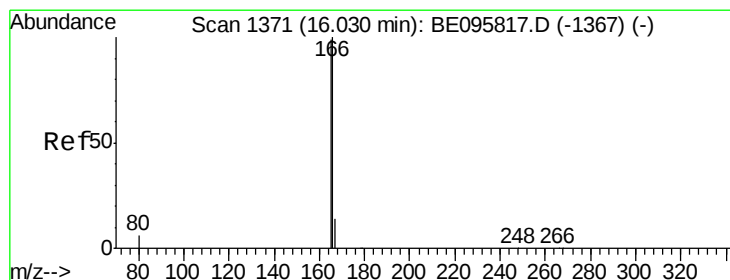
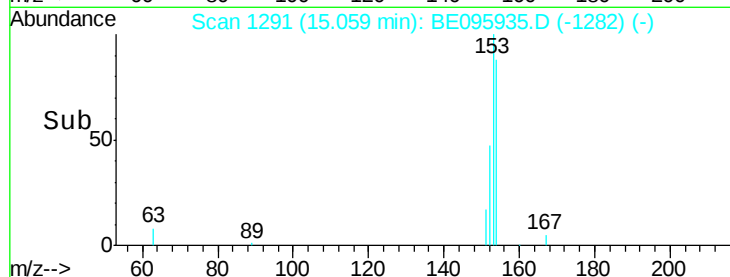
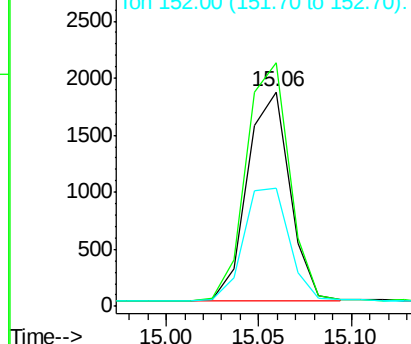
154 100

153 116.9 89.2 133.8

152 58.4 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: 0.340 ng

RT: 16.02 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

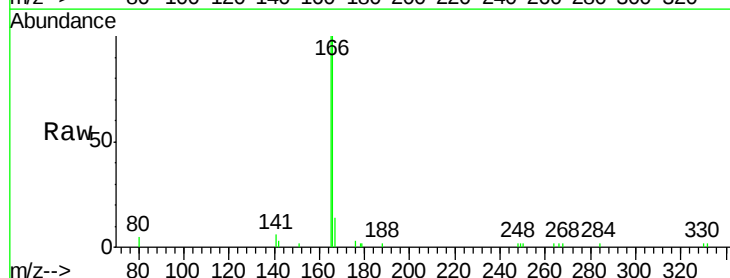
Tgt Ion:166 Resp: 3764

Ion Ratio Lower Upper

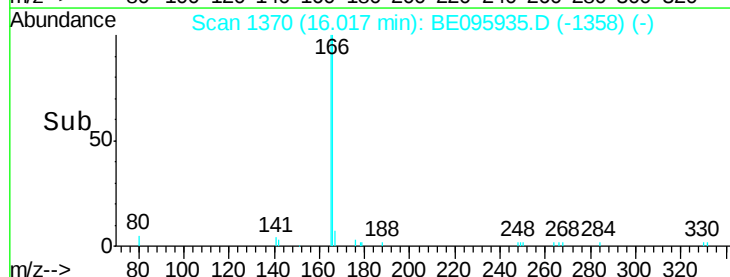
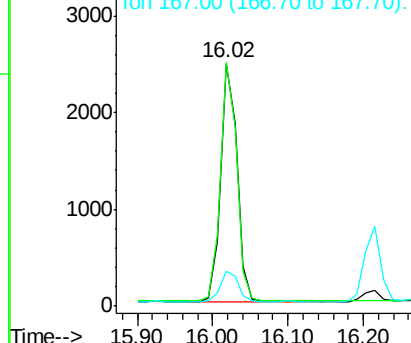
166 100

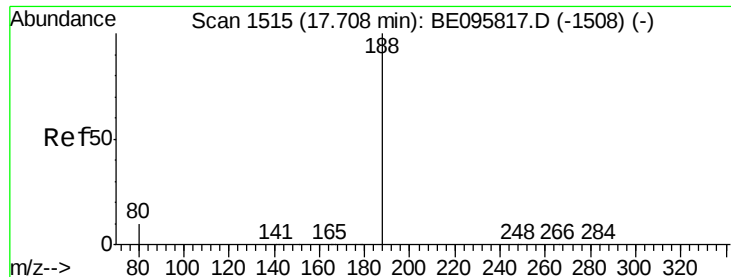
165 98.9 77.8 116.6

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: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

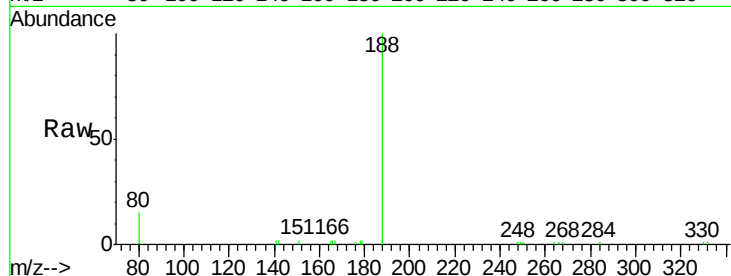
Tot Ion:188 Resp: 5319

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

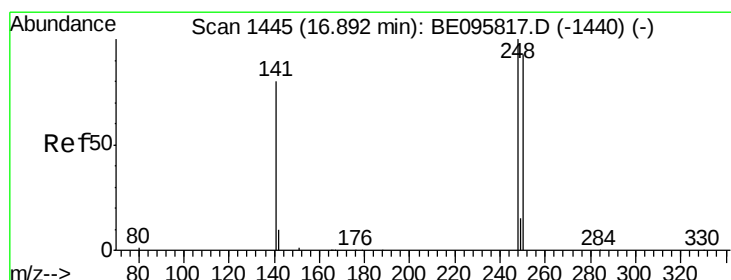
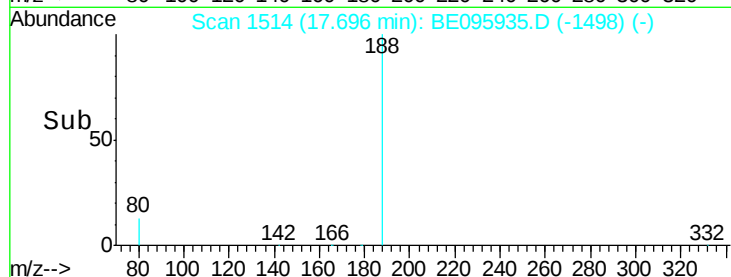
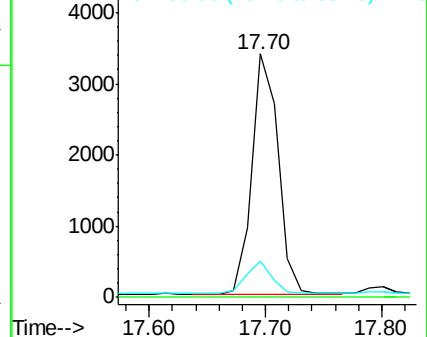
80 14.7 3.6 5.4#



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: 0.375 ng

RT: 16.89 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

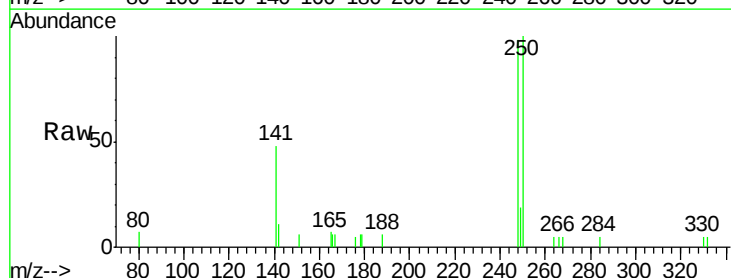
Tgt Ion:248 Resp: 1199

Ion Ratio Lower Upper

248 100

250 102.3 62.7 94.1#

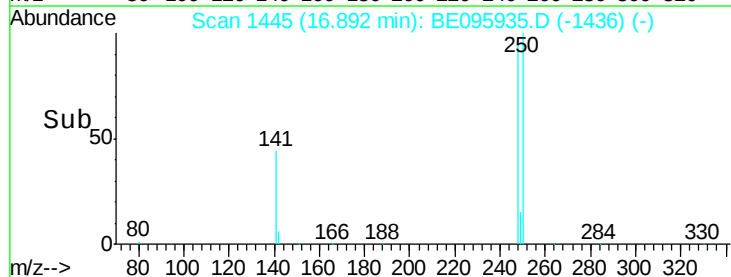
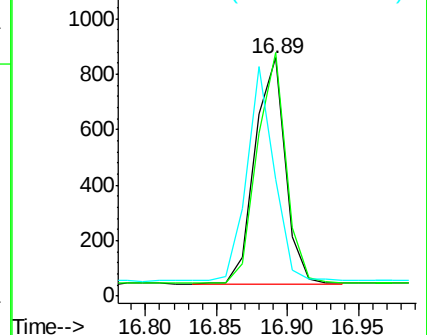
141 49.1 48.2 72.2

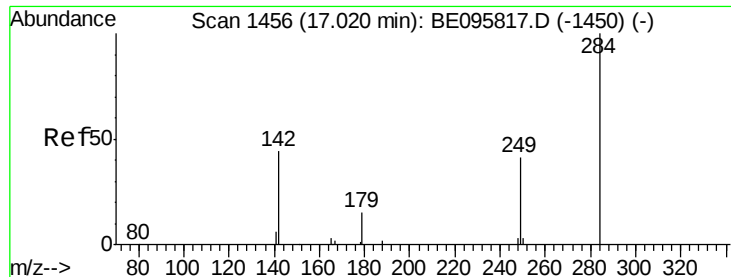


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.388 ng

RT: 17.02 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

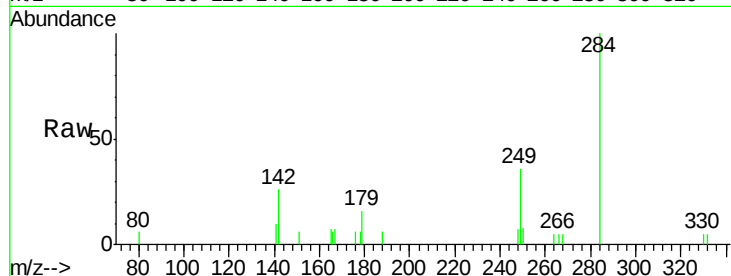
Tot Ion:284 Resp: 1239

Ion Ratio Lower Upper

284 100

142 39.8 22.1 33.1#

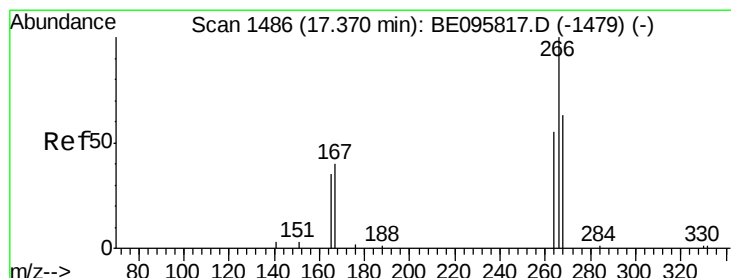
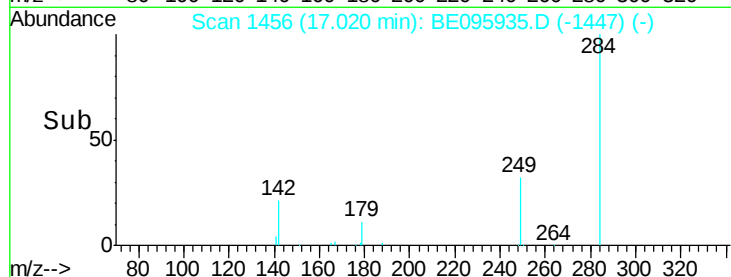
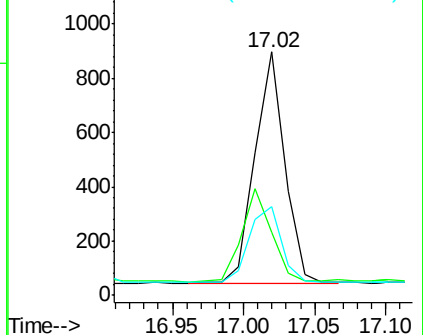
249 35.6 34.8 52.2



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: 0.811 ng

RT: 17.36 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

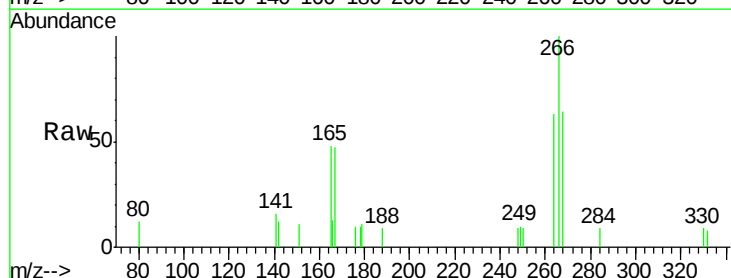
Tgt Ion:266 Resp: 820

Ion Ratio Lower Upper

266 100

264 62.5 72.5 108.7#

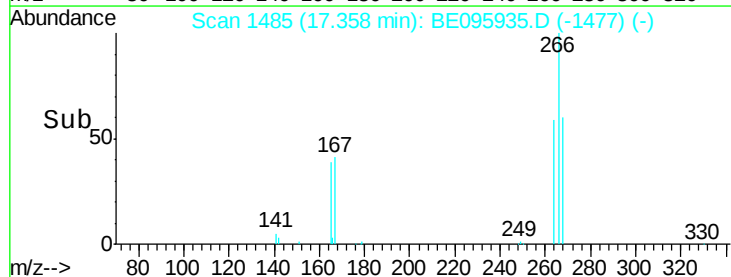
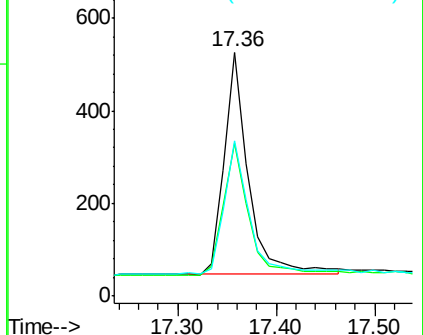
268 63.9 73.8 110.6#

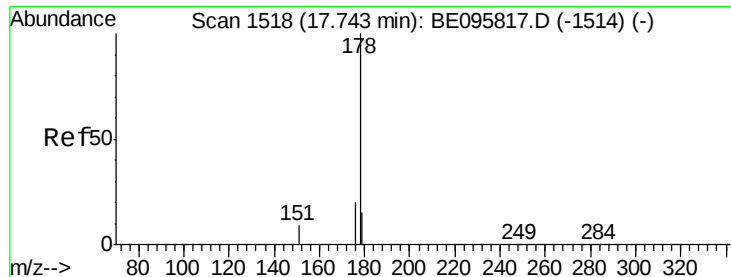


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.367 ng

RT: 17.74 min Scan# 1518

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

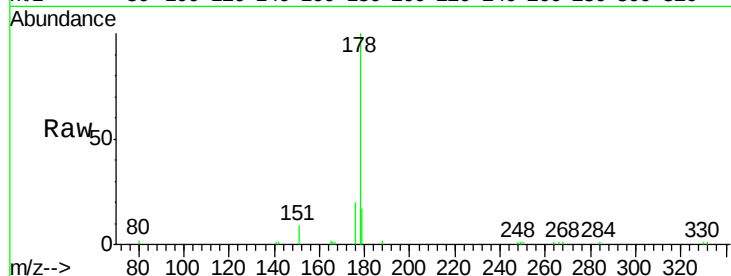
Tot Ion:178 Resp: 5849

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

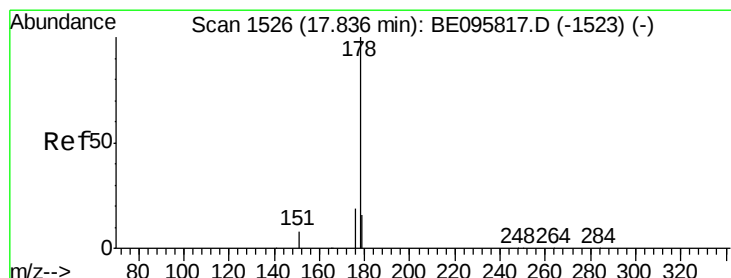
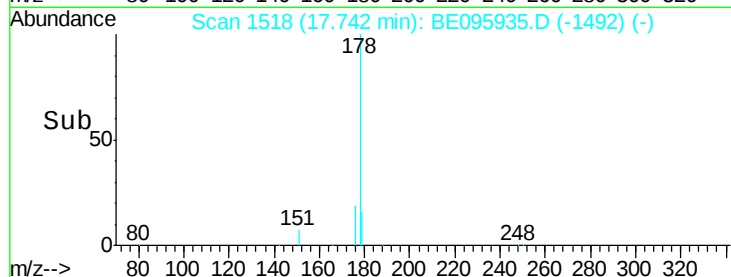
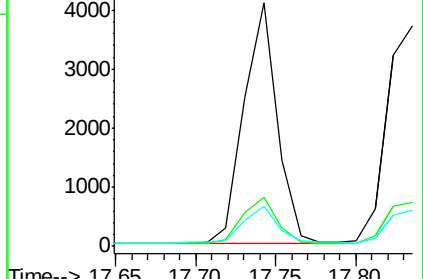
179 15.7 11.8 17.6



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: 0.367 ng

RT: 17.84 min Scan# 1526

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

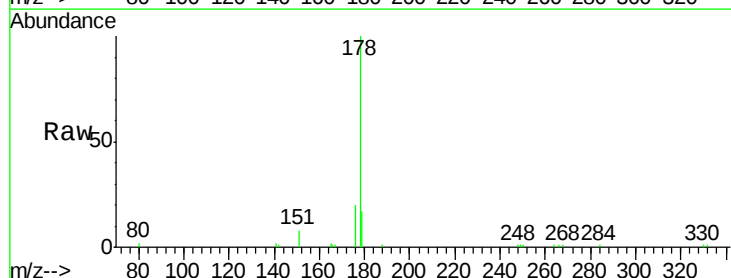
Tgt Ion:178 Resp: 5843

Ion Ratio Lower Upper

178 100

176 19.3 12.8 19.2#

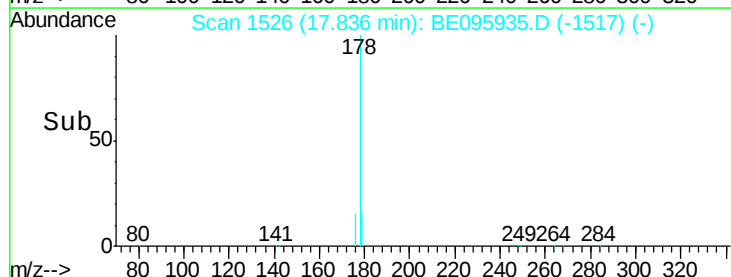
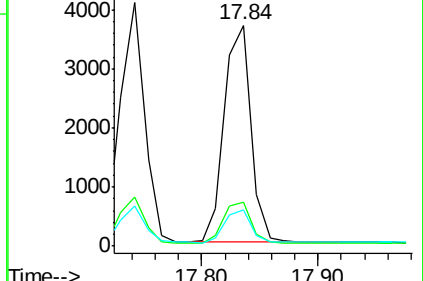
179 15.0 13.0 19.6

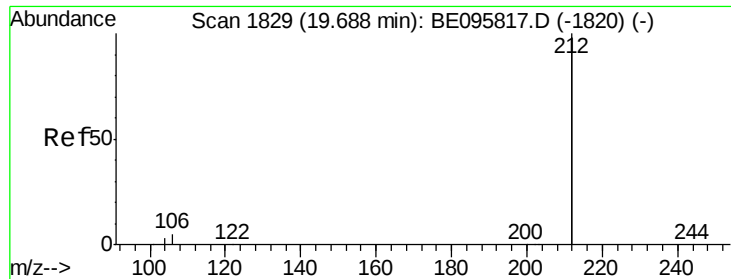


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

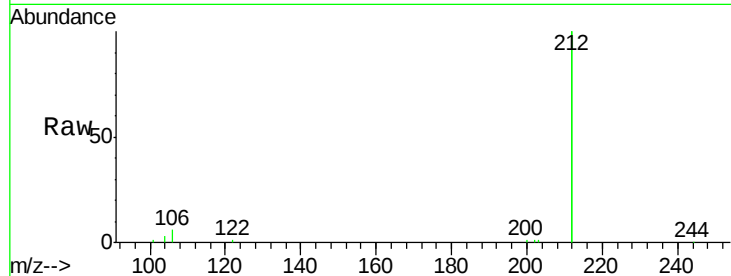
Tot Ion:212 Resp: 28164

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

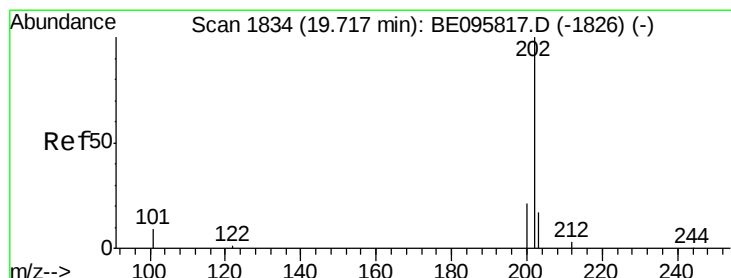
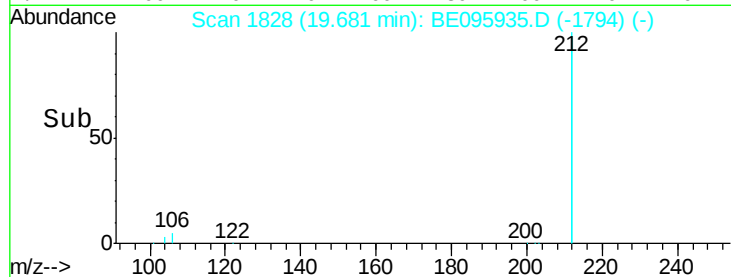
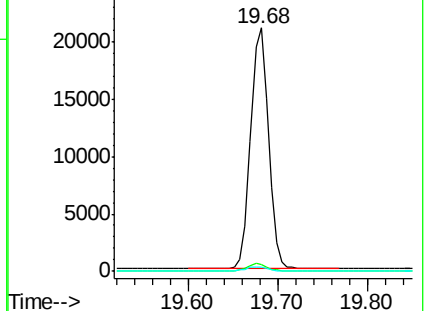
104 1.6 1.6 2.4



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: 0.359 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

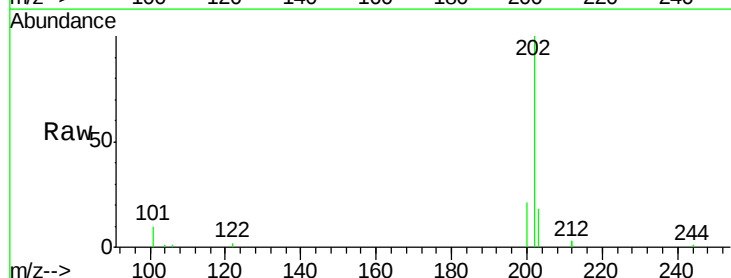
Tgt Ion:202 Resp: 7945

Ion Ratio Lower Upper

202 100

101 10.1 9.8 14.8

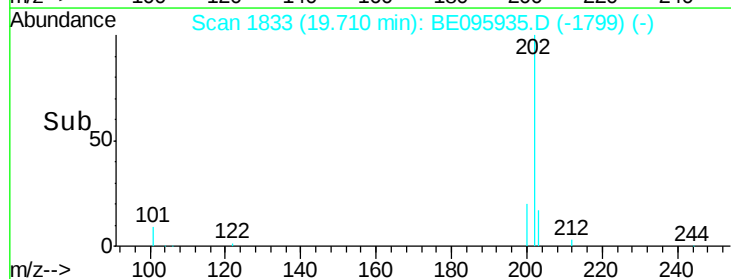
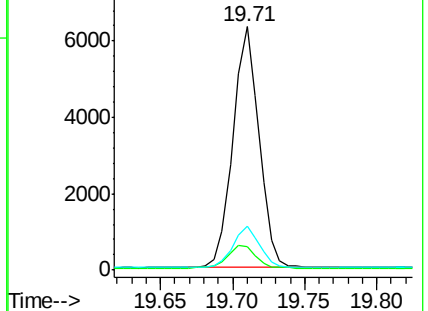
203 17.0 13.7 20.5



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: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

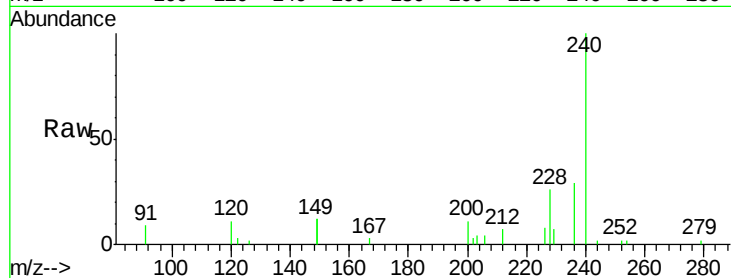
Tot Ion:240 Resp: 6350

Ion Ratio Lower Upper

240 100

120 11.2 5.5 8.3#

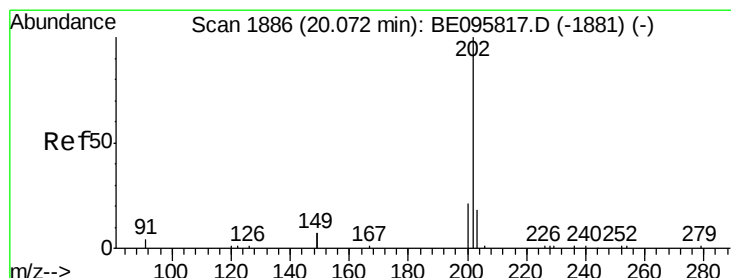
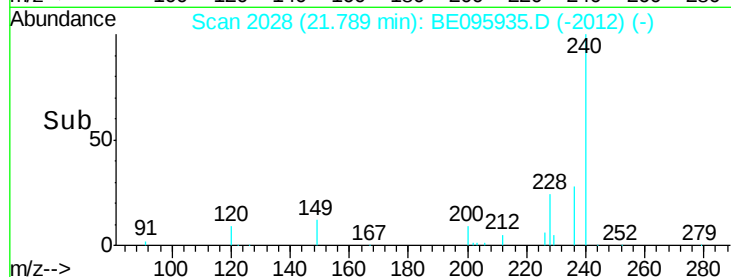
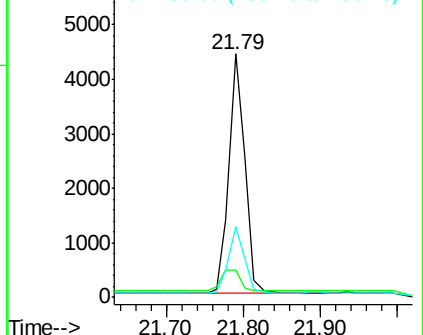
236 29.3 20.7 31.1



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: 0.332 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

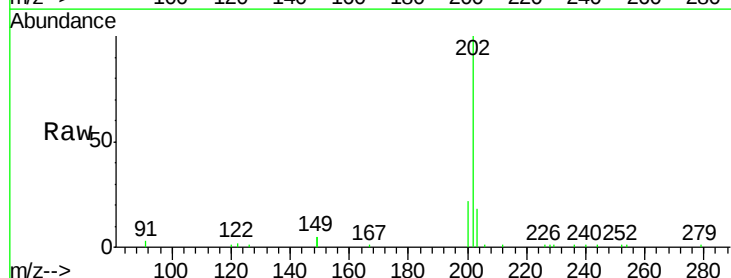
Tgt Ion:202 Resp: 8593

Ion Ratio Lower Upper

202 100

200 25.6 16.6 25.0#

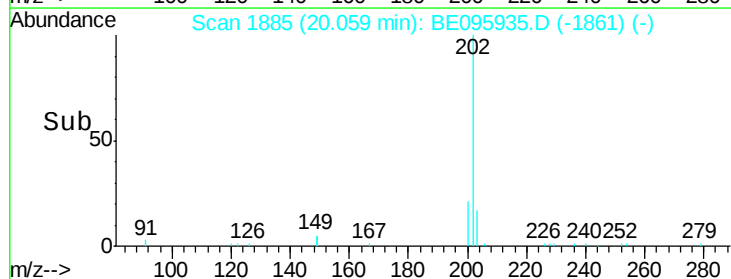
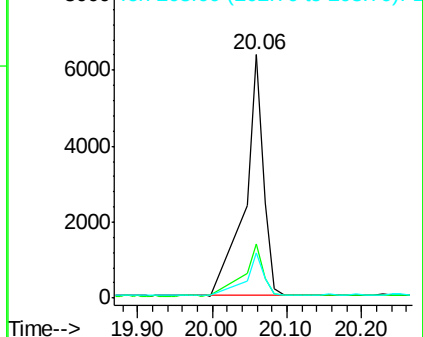
203 22.6 13.8 20.8#



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: 0.491 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

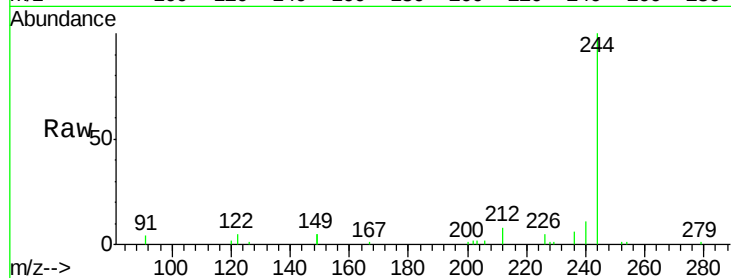
Tot Ion:244 Resp: 6625

Ion Ratio Lower Upper

244 100

212 8.1 25.4 38.0#

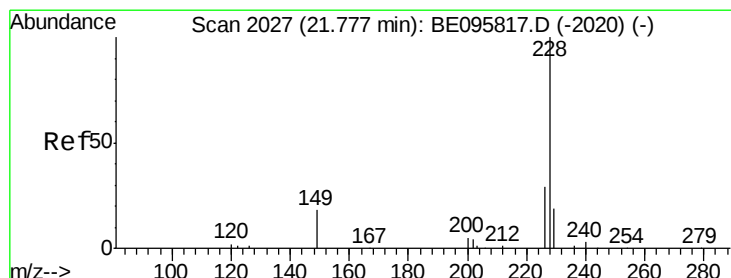
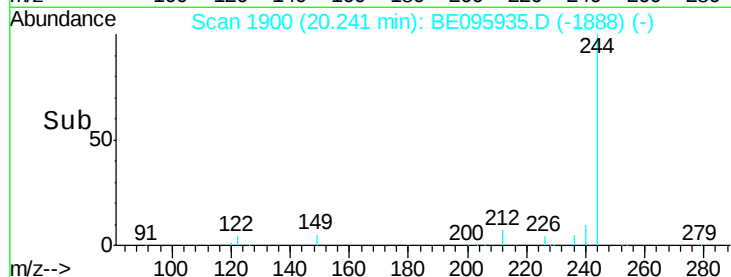
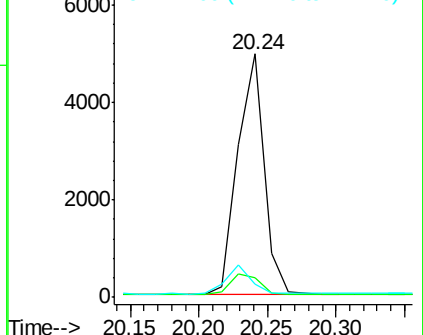
122 5.4 8.1 12.1#



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: 0.380 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

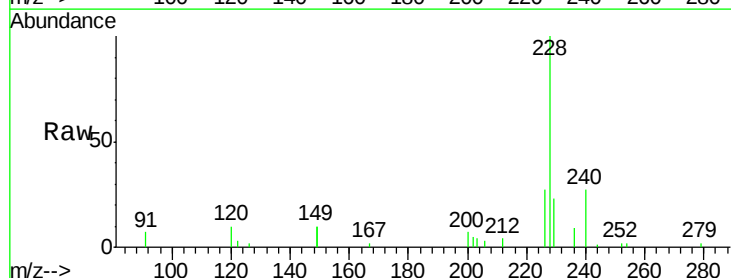
Tgt Ion:228 Resp: 8365

Ion Ratio Lower Upper

228 100

226 27.1 24.0 36.0

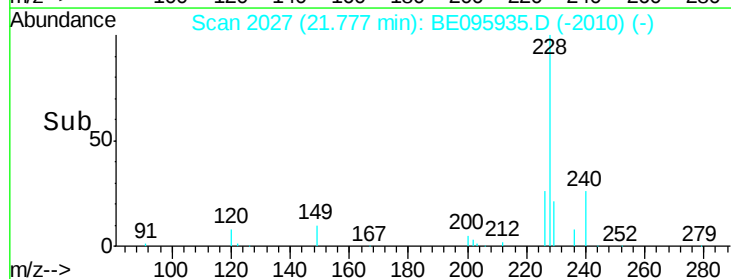
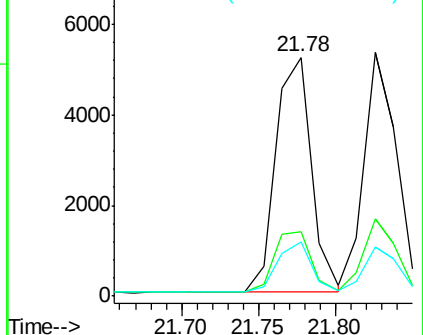
229 22.6 16.0 24.0



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: 0.388 ng

RT: 21.83 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

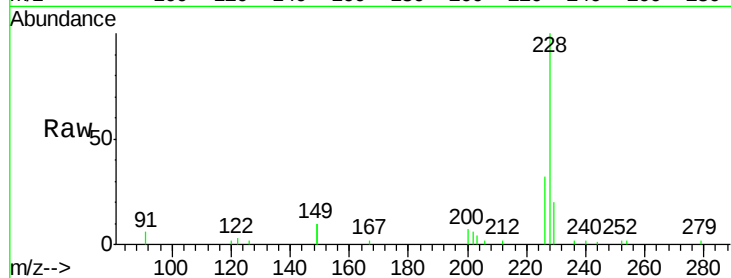
Tot Ion:228 Resp: 7792

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

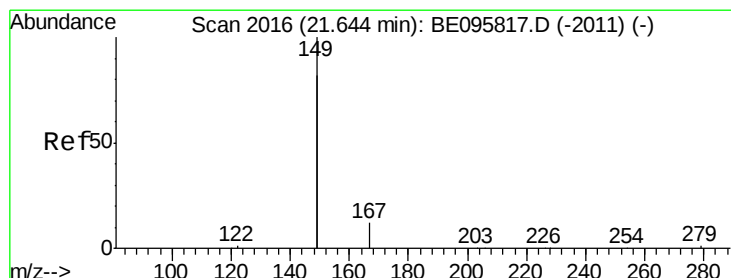
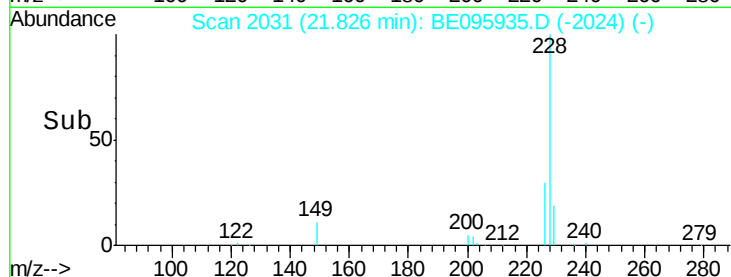
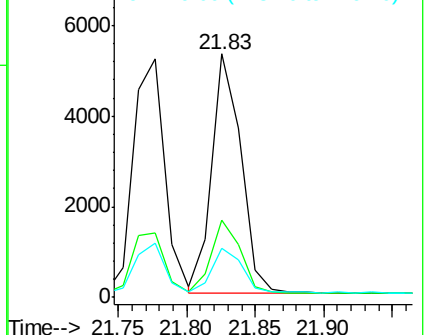
229 20.2 16.0 24.0



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: 0.318 ng

RT: 21.64 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

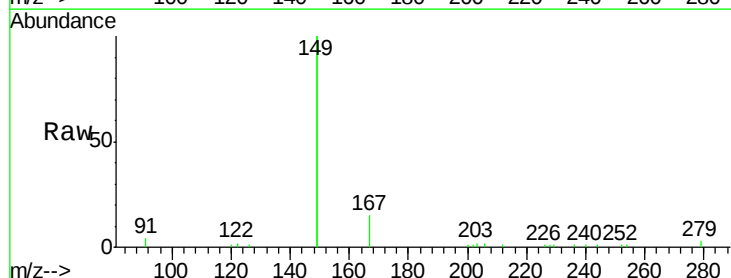
Tgt Ion:149 Resp: 21418

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

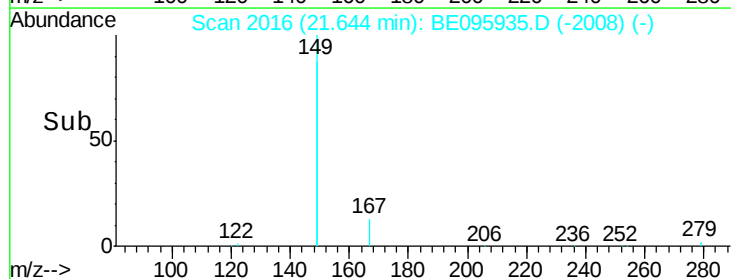
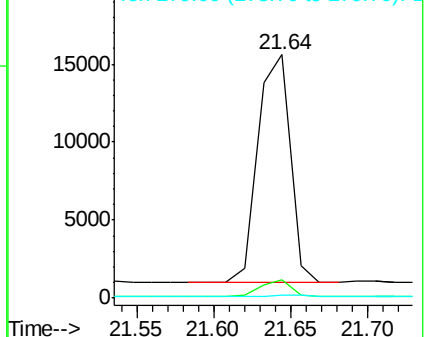
279 1.1 0.7 1.1#



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: 0.408 ng

RT: 27.22 min Scan# 3499

Delta R.T. -0.03 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

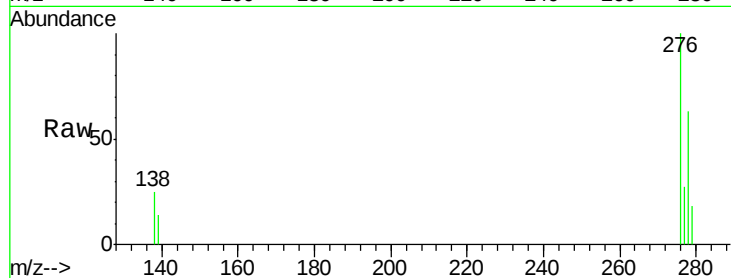
Tot Ion:276 Resp: 8835

Ion Ratio Lower Upper

276 100

138 23.3 22.5 33.7

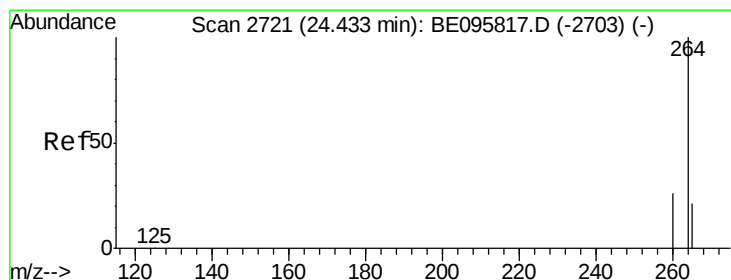
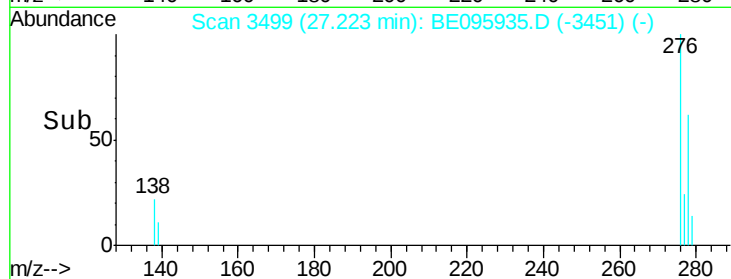
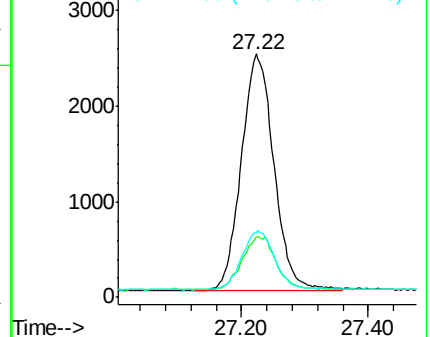
277 24.5 19.9 29.9



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: BE095935.D

Acq: 2 Apr 2018 19:41

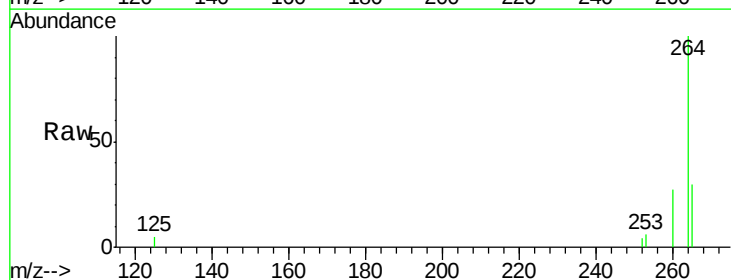
Tgt Ion:264 Resp: 6407

Ion Ratio Lower Upper

264 100

260 26.9 20.5 30.7

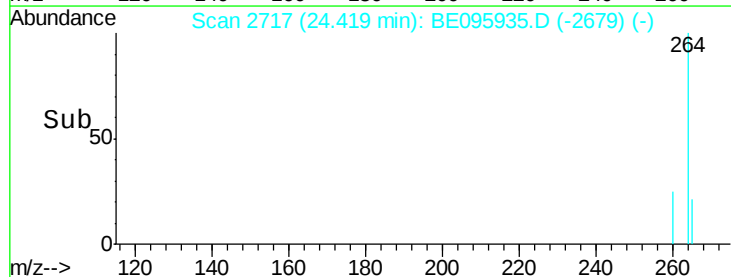
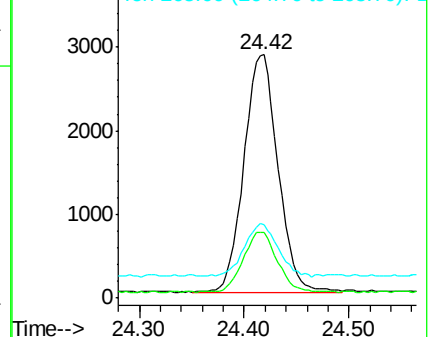
265 30.1 22.8 34.2



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: 0.378 ng

RT: 23.60 min Scan# 2488

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

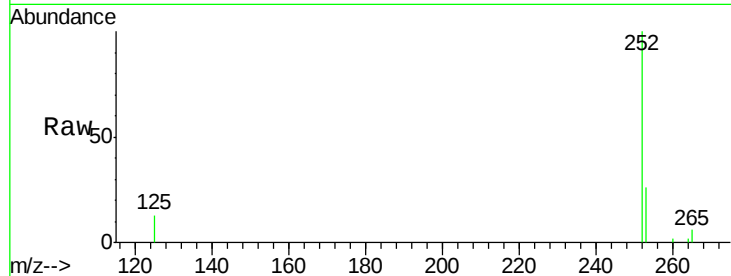
Tot Ion:252 Resp: 8009

Ion Ratio Lower Upper

252 100

253 25.6 20.0 30.0

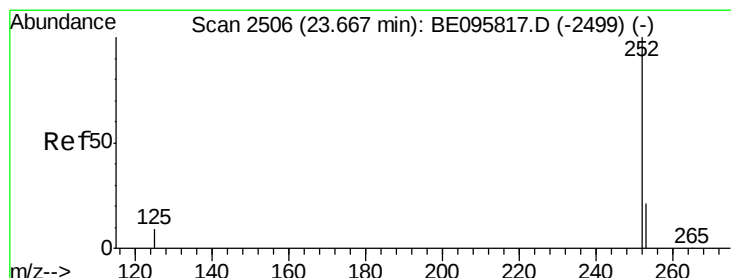
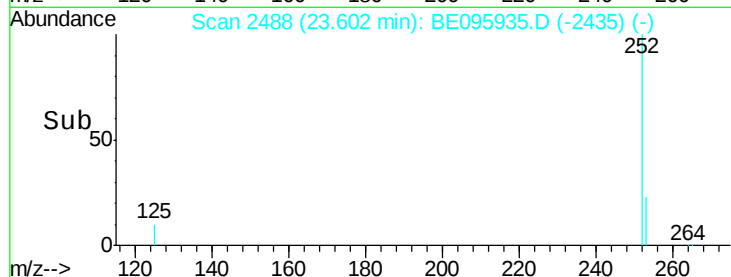
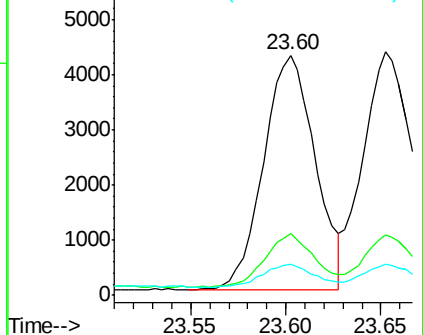
125 13.1 16.0 24.0#



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: 0.377 ng

RT: 23.65 min Scan# 2502

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

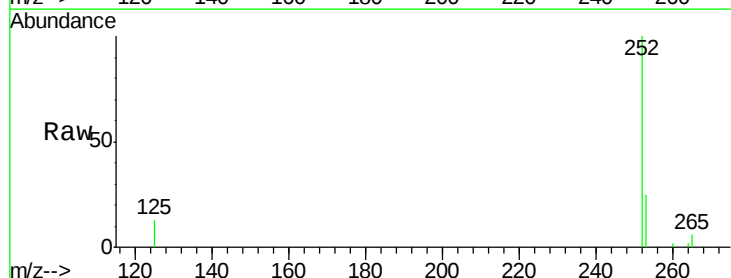
Tgt Ion:252 Resp: 7999

Ion Ratio Lower Upper

252 100

253 25.1 16.0 24.0#

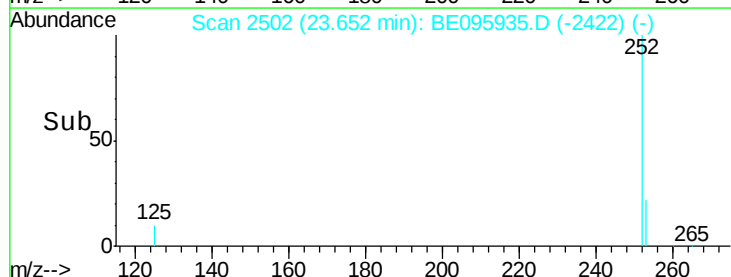
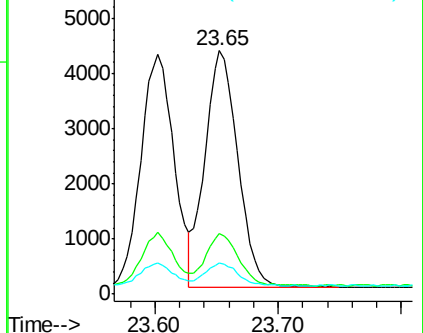
125 12.6 8.0 12.0#



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: 0.391 ng

RT: 24.30 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS

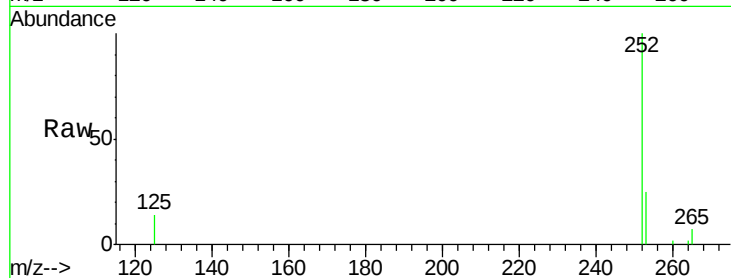
Tot Ion:252 Resp: 7766

Ion Ratio Lower Upper

252 100

253 25.1 16.0 24.0#

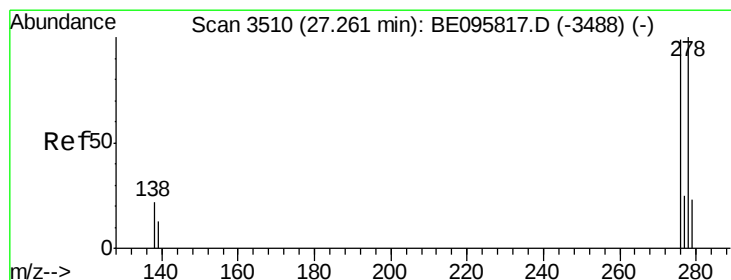
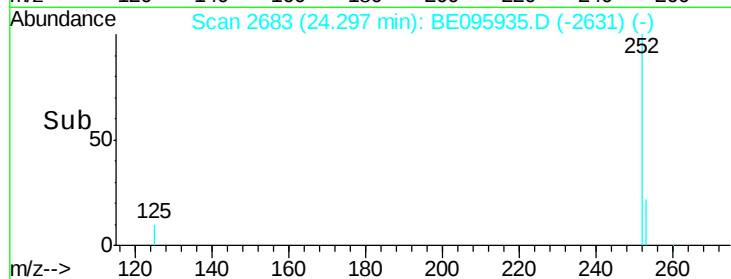
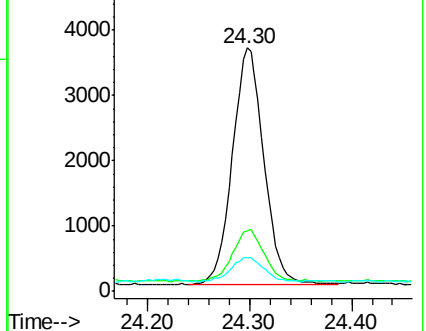
125 14.0 12.0 18.0



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: 0.379 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.02 min

Lab File: BE095935.D

Acq: 2 Apr 2018 19:41

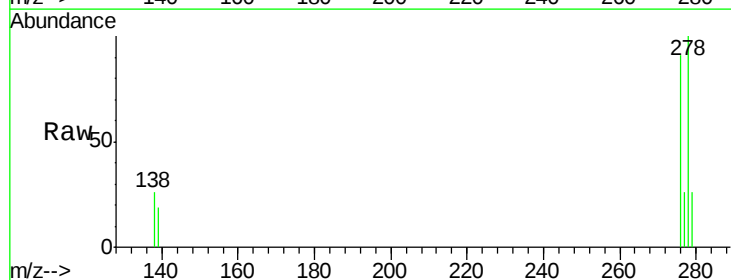
Tgt Ion:278 Resp: 7155

Ion Ratio Lower Upper

278 100

139 19.2 16.0 24.0

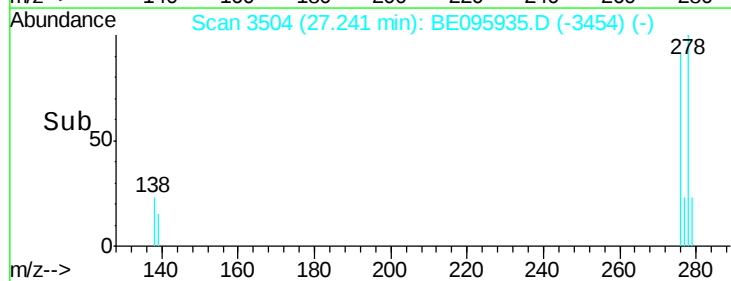
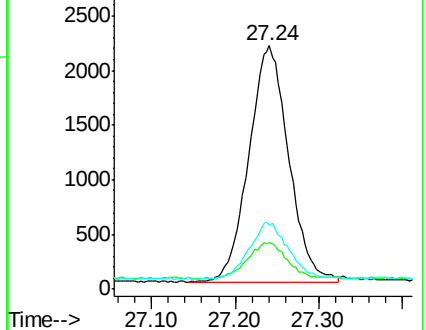
279 26.5 20.0 30.0

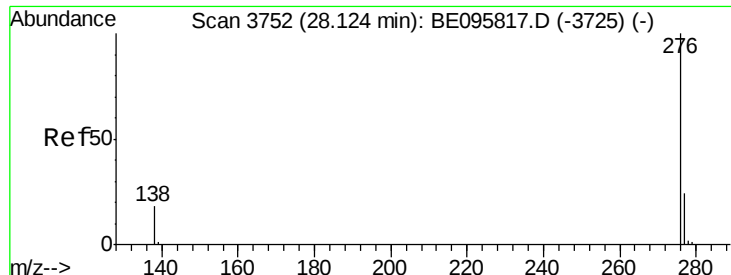


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.389 ng

RT: 28.10 min Scan# 3745

Delta R.T. -0.02 min

Lab File: BE095935.D

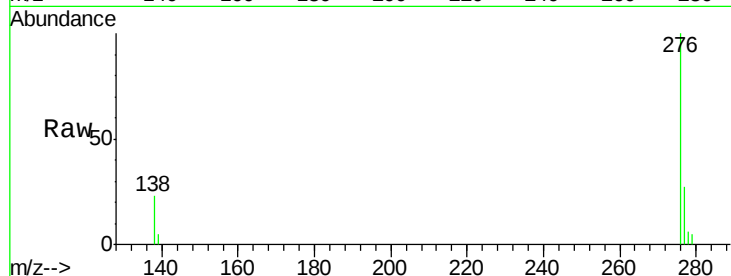
Acq: 2 Apr 2018 19:41

Instrument :

BNA_E

ClientSampleId :

PB107891BS



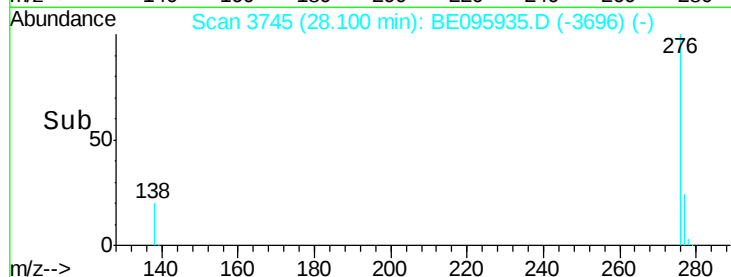
Tot Ion:276 Resp: 7370

Ion Ratio Lower Upper

276 100

277 27.2 16.0 24.0#

138 23.3 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

