

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012518\
 Data File : BE095109.D
 Acq On : 25 Jan 2018 10:40
 Operator : SJ/JU
 Sample : PB105932BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB105932BSD

Quant Time: Jan 25 19:20:19 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 15:47:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6599	0.40	ng	0.00
7) Naphthalene-d8	11.29	136	14191	0.40	ng	-0.02
13) Acenaphthene-d10	15.03	164	6872	0.40	ng	0.00
19) Phenanthrene-d10	17.74	188	15541	0.40	ng	0.00
27) Chrysene-d12	21.84	240	16710	0.40	ng	0.00
34) Perylene-d12	24.48	264	13603	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.94	112	3168	0.30	ng	0.00
5) Phenol-d6	7.58	99	4284	0.26	ng	0.00
8) Nitrobenzene-d5	9.63	82	4100	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.83	152	6964	0.30	ng	0.00
14) 2,4,6-Tribromophenol	16.50	330	471	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.68	172	11505	0.38	ng	0.00
25) Fluoranthene-d10	19.71	212	64287	0.33	ng	0.00
29) Terphenyl-d14	20.28	244	12432	0.36	ng	0.00

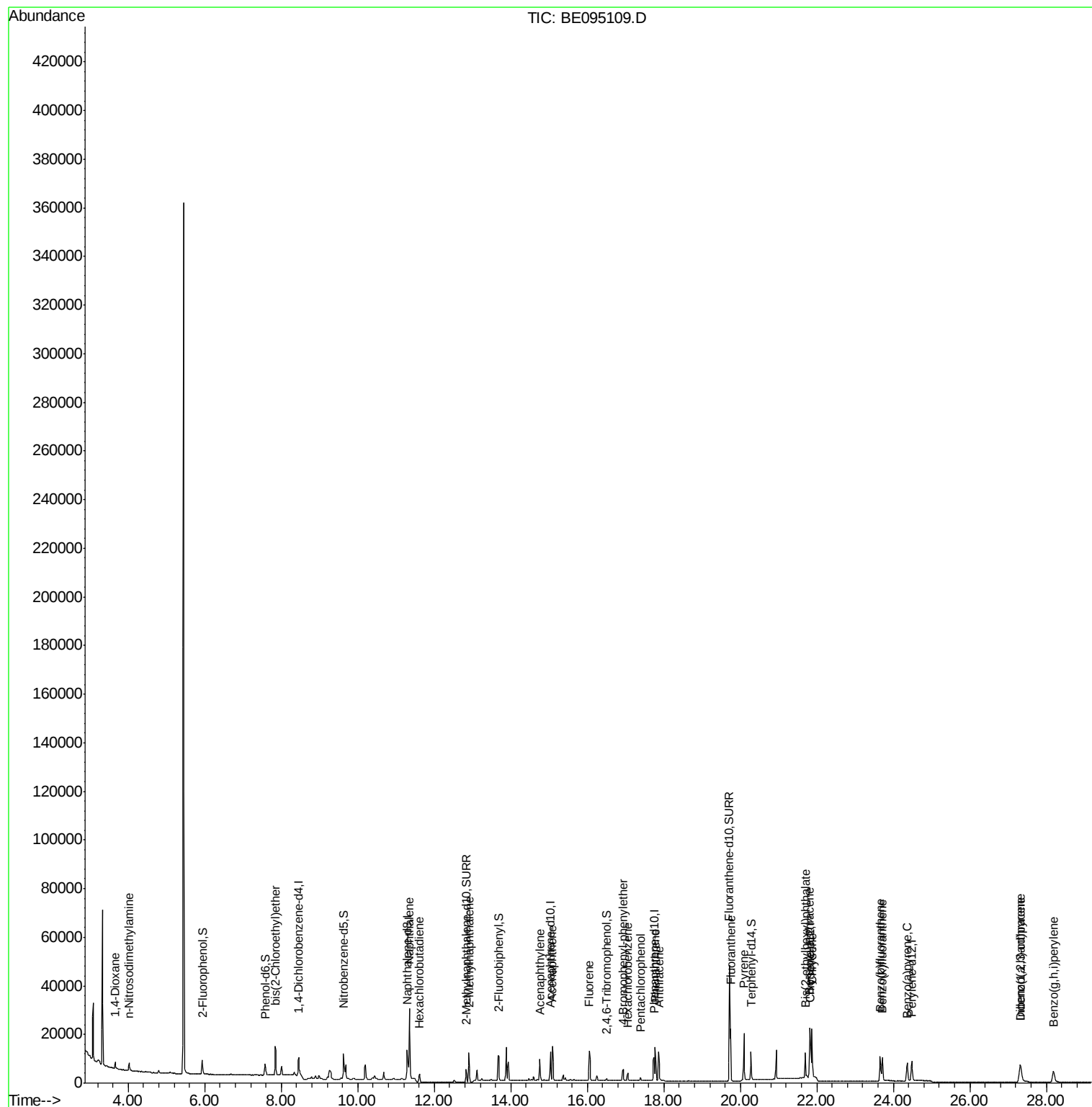
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.66	88	1741	0.268	ng	# 42
3) n-Nitrosodimethylamine	4.02	42	2329	0.301	ng	# 95
6) bis(2-Chloroethyl)ether	7.86	93	4579	0.304	ng	91
9) Naphthalene	11.34	128	51196	0.315	ng	99
10) Hexachlorobutadiene	11.61	225	2327	0.320	ng	97
12) 2-Methylnaphthalene	12.91	142	8458	0.304	ng	98
16) Acenaphthylene	14.76	152	10911	0.297	ng	99
17) Acenaphthene	15.09	154	7228	0.302	ng	95
18) Fluorene	16.05	166	9052	0.303	ng	# 79
20) 4-Bromophenyl-phenylether	16.94	248	2907	0.318	ng	# 67
21) Hexachlorobenzene	17.06	284	2920	0.318	ng	# 81
22) Pentachlorophenol	17.39	266	879	0.473	ng	# 78
23) Phenanthrene	17.77	178	15419	0.321	ng	99
24) Anthracene	17.86	178	13424	0.314	ng	96
26) Fluoranthene	19.74	202	18648	0.323	ng	98
28) Pyrene	20.10	202	20325	0.288	ng	98
30) Benzo(a)anthracene	21.81	228	15742	0.301	ng	97
31) Chrysene	21.87	228	17536	0.332	ng	98
32) Bis(2-ethylhexyl)phthalate	21.70	149	16941	0.233	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.31	276	13462	0.280	ng	96
35) Benzo(b)fluoranthene	23.66	252	15315	0.317	ng	# 90
36) Benzo(k)fluoranthene	23.71	252	15198	0.308	ng	94
37) Benzo(a)pyrene	24.36	252	13645	0.308	ng	94
38) Dibenzo(a,h)anthracene	27.33	278	10242	0.275	ng	99
39) Benzo(g,h,i)perylene	28.19	276	12895	0.319	ng	# 95

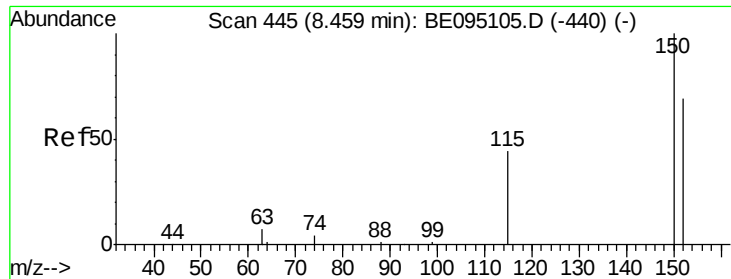
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012518\
Data File : BE095109.D
Acq On : 25 Jan 2018 10:40
Operator : SJ/JU
Sample : PB105932BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB105932BSD

Quant Time: Jan 25 19:20:19 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 15:47:25 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 8.46 min Scan# 445

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

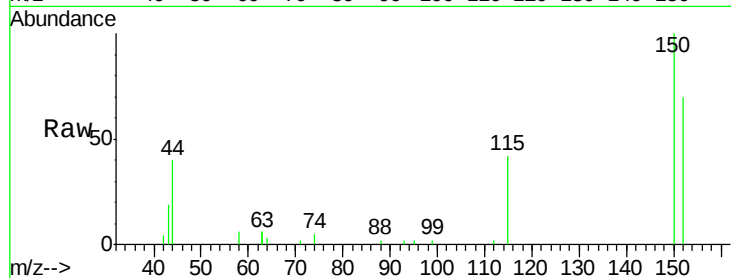
Tgt Ion:152 Resp: 6599

Ion Ratio Lower Upper

152 100

150 142.5 117.2 175.8

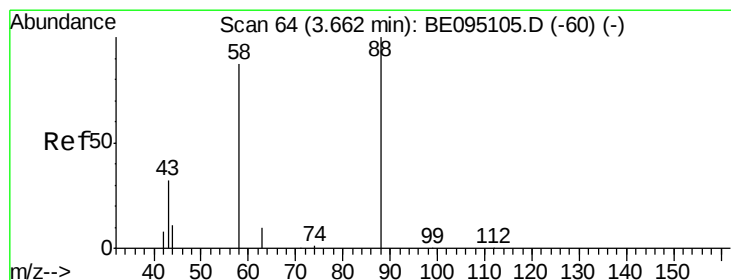
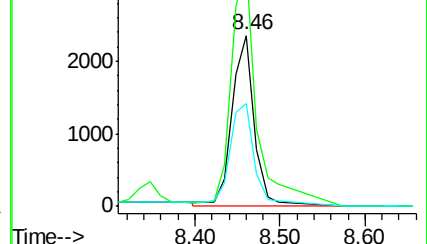
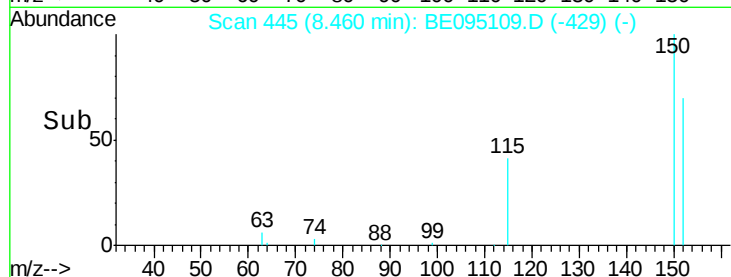
115 59.9 57.0 85.6



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: 0.268 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

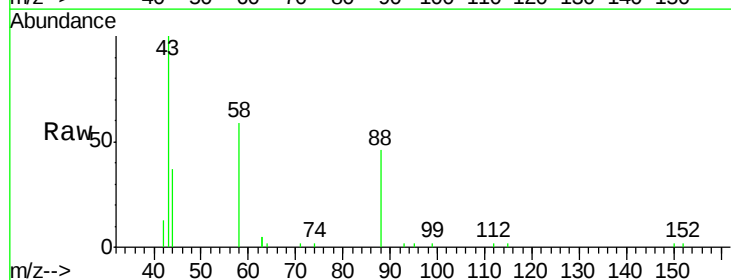
Tgt Ion: 88 Resp: 1741

Ion Ratio Lower Upper

88 100

58 101.7 63.2 94.8#

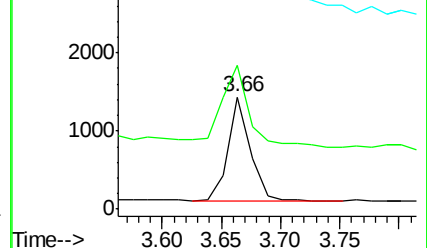
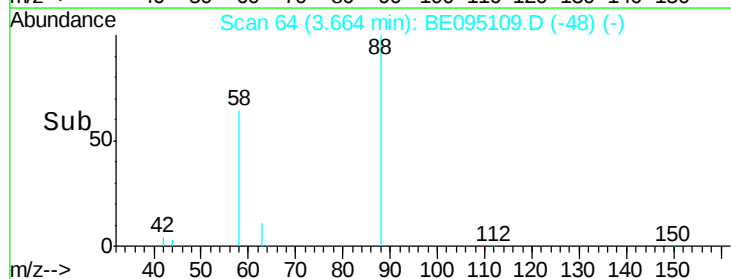
43 127.0 41.2 61.8#

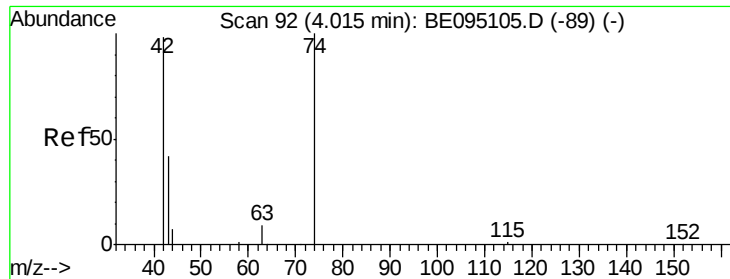


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.301 ng

RT: 4.02 min Scan# 92

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

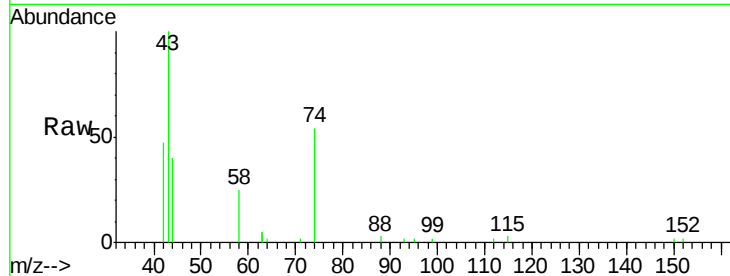
Tgt Ion: 42 Resp: 2329

Ion Ratio Lower Upper

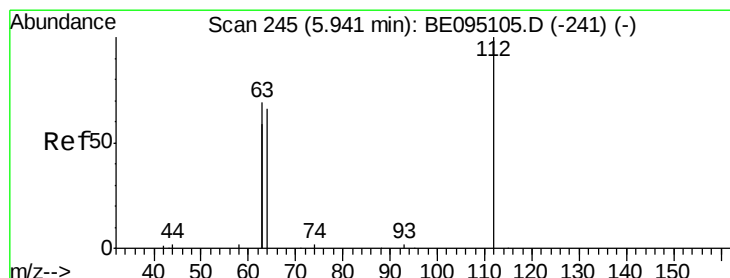
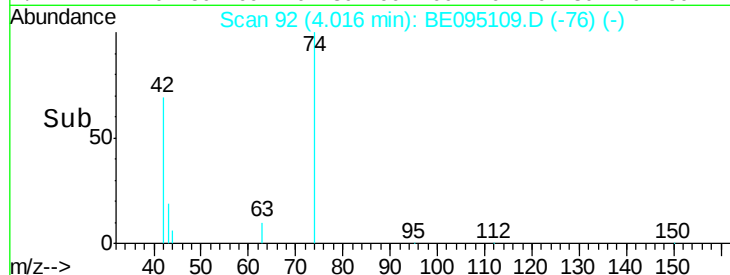
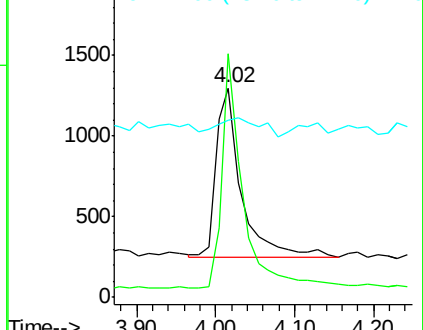
42 100

74 114.6 96.0 144.0

44 18.5 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.297 ng

RT: 5.94 min Scan# 245

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

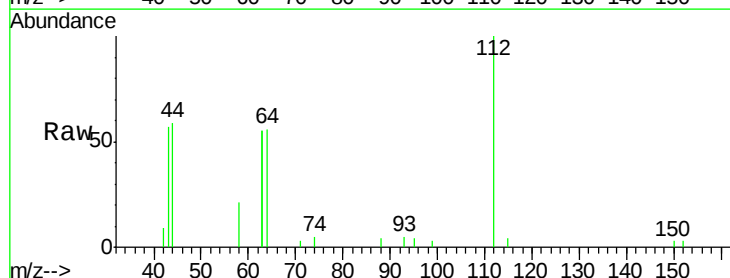
Tgt Ion: 112 Resp: 3168

Ion Ratio Lower Upper

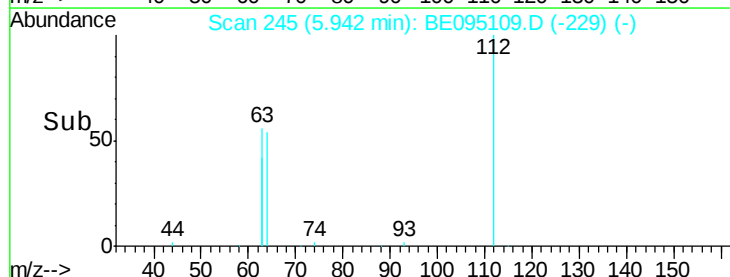
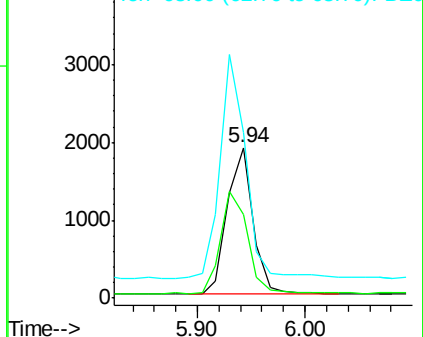
112 100

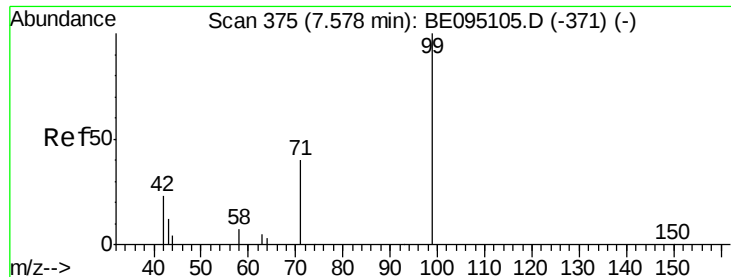
64 72.3 60.1 90.1

63 149.6 116.8 175.2



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: 0.265 ng

RT: 7.58 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

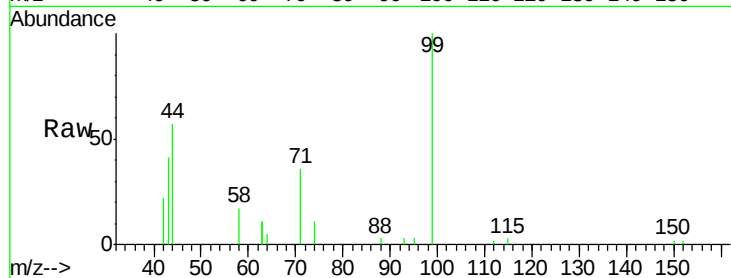
Tgt Ion: 99 Resp: 4284

Ion Ratio Lower Upper

99 100

42 24.1 20.2 30.2

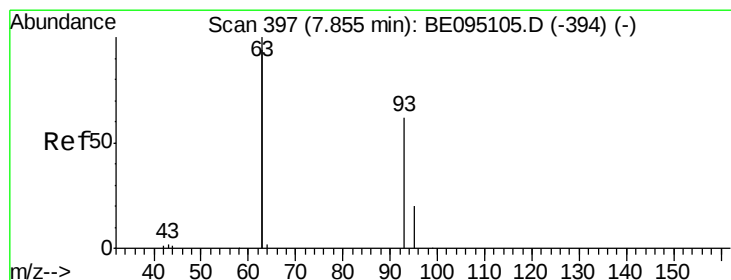
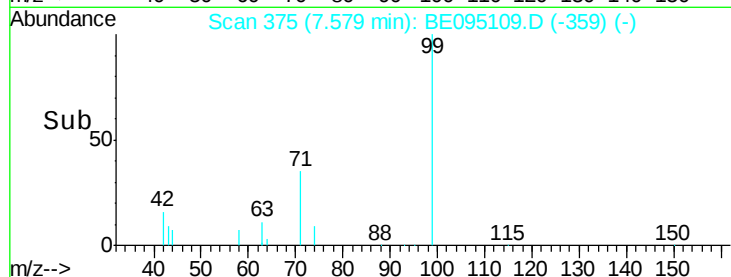
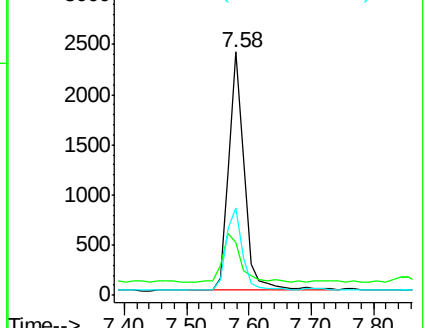
71 36.2 28.4 42.6



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: 0.304 ng

RT: 7.86 min Scan# 397

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

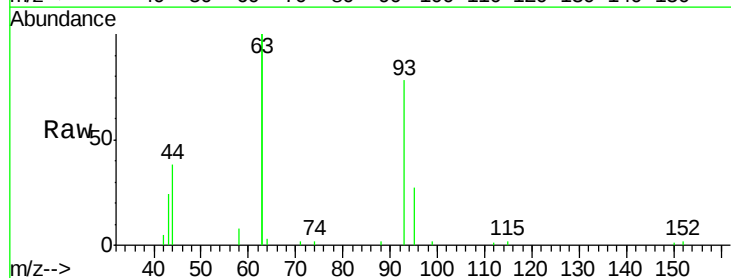
Tgt Ion: 93 Resp: 4579

Ion Ratio Lower Upper

93 100

63 322.1 275.3 412.9

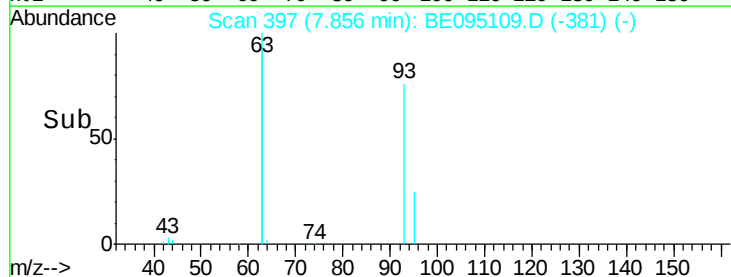
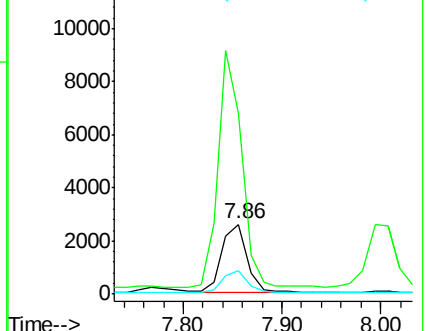
95 30.9 25.2 37.8

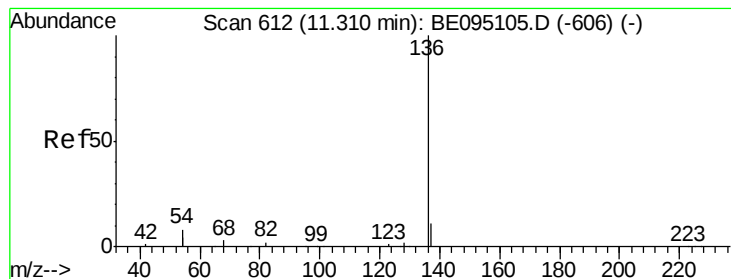


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 11.29 min Scan# 611

Delta R.T. -0.02 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

Tgt Ion:136 Resp: 14191

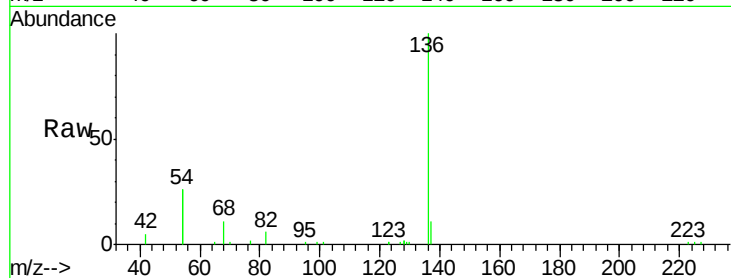
Ion Ratio Lower Upper

136 100

137 10.8 9.5 14.3

54 51.8 29.1 43.7#

68 10.9 6.2 9.2#

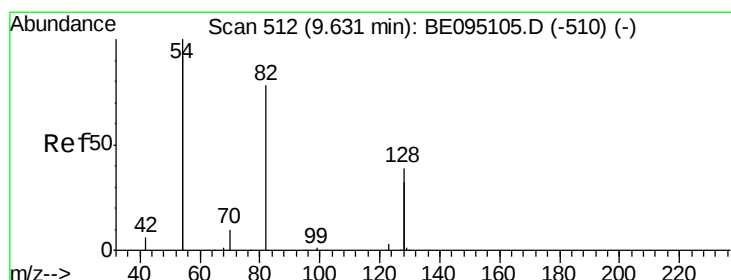
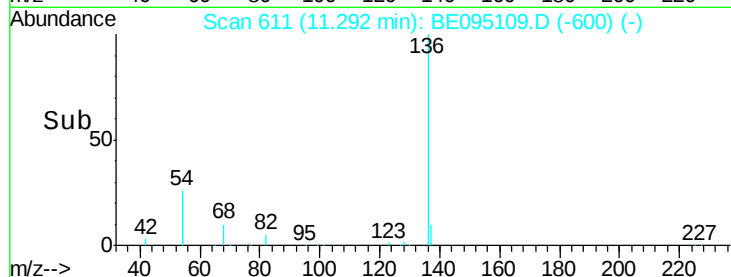
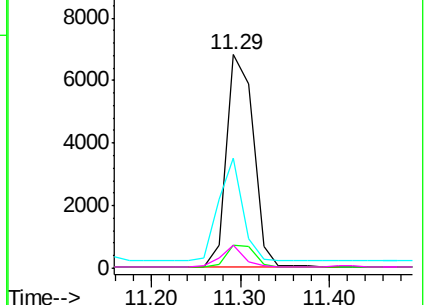


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.317 ng

RT: 9.63 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

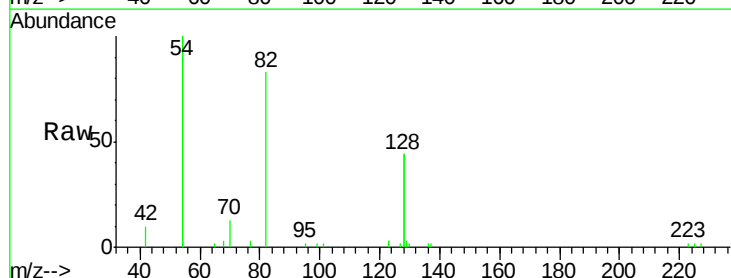
Tgt Ion: 82 Resp: 4100

Ion Ratio Lower Upper

82 100

128 105.0 150.0 225.0#

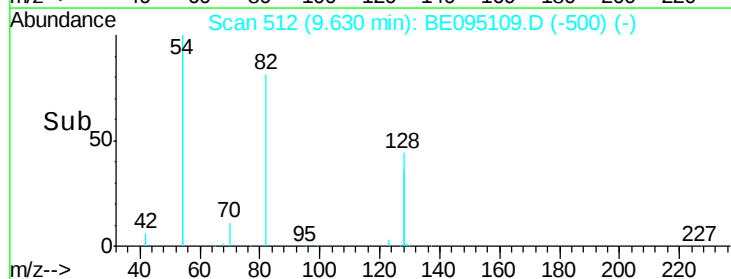
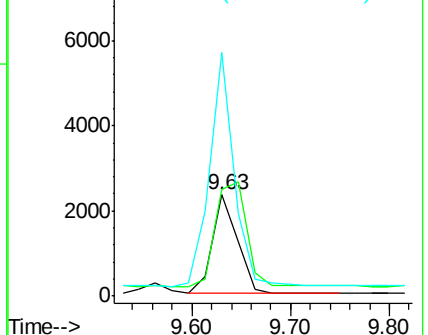
54 239.9 154.2 231.4#

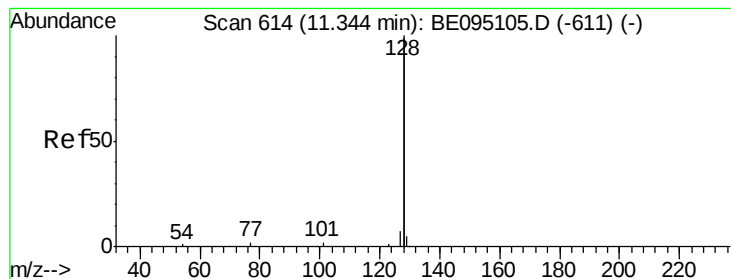


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.315 ng

RT: 11.34 min Scan# 614

Delta R.T. -0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

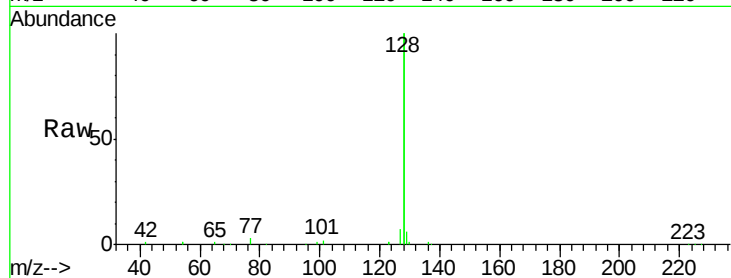
Tgt Ion:128 Resp: 51196

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

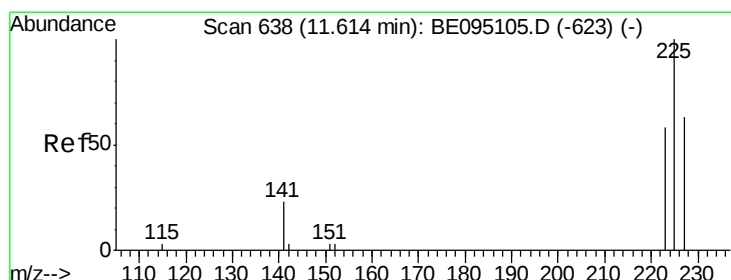
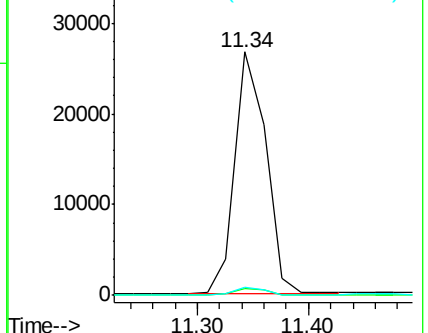
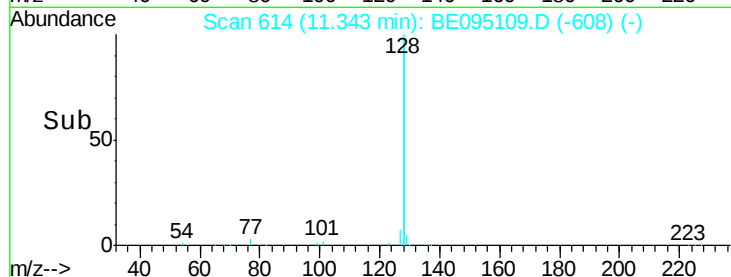
127 3.6 2.8 4.2



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: 0.320 ng

RT: 11.61 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

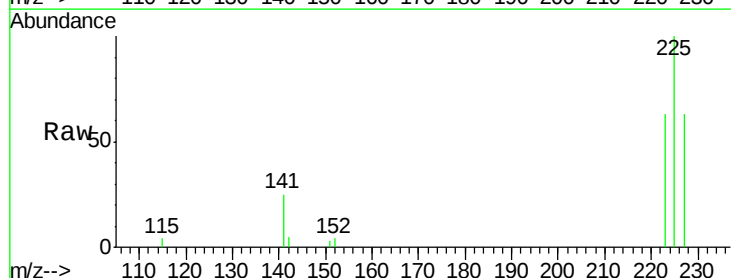
Tgt Ion:225 Resp: 2327

Ion Ratio Lower Upper

225 100

223 63.2 53.0 79.6

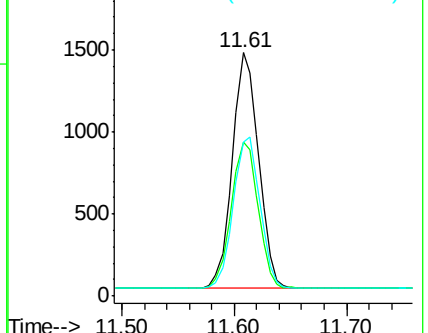
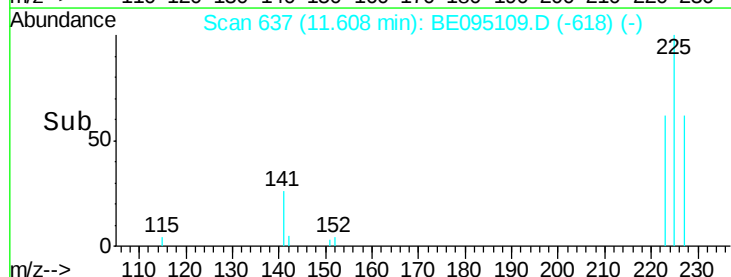
227 65.6 51.4 77.2

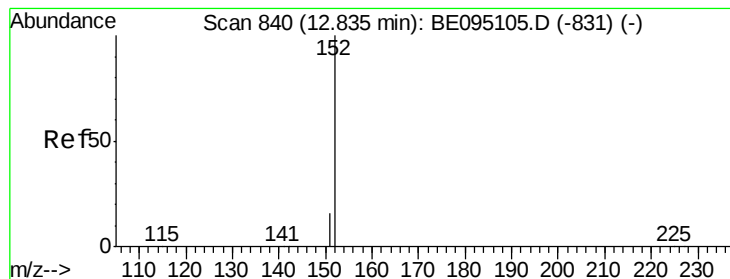


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.296 ng

RT: 12.83 min Scan# 840

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

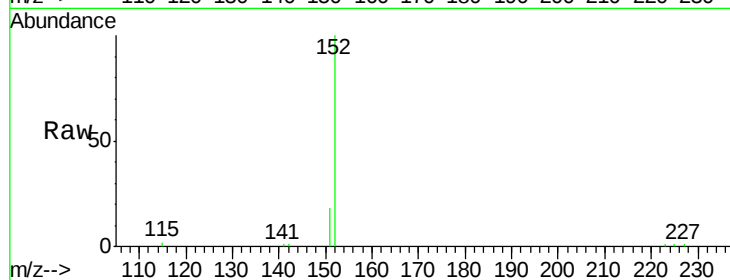
PB105932BSD

Tgt Ion:152 Resp: 6964

Ion Ratio Lower Upper

152 100

151 20.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.83

5000

4000

3000

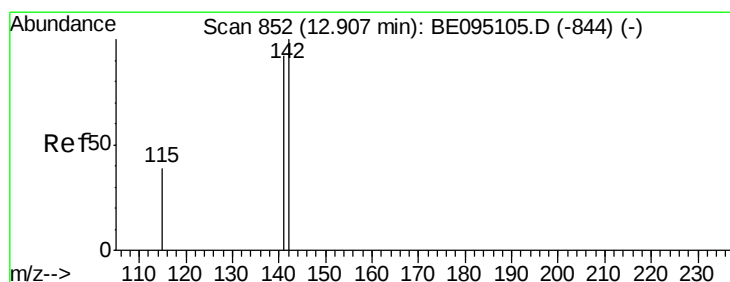
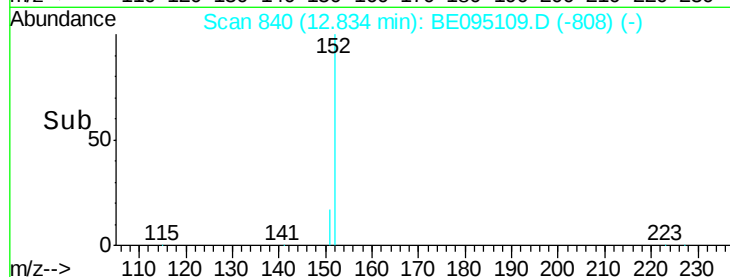
2000

1000

0

Time-->

12.80 12.90



#12

2-Methylnaphthalene

Concen: 0.304 ng

RT: 12.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

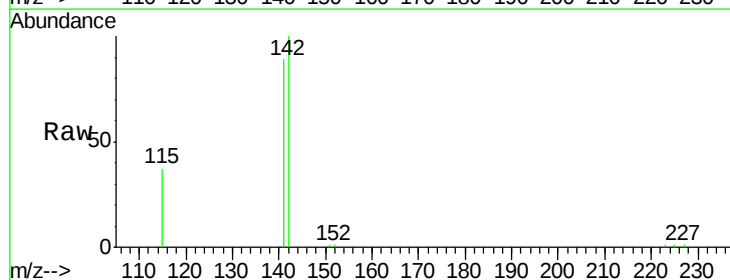
Tgt Ion:142 Resp: 8458

Ion Ratio Lower Upper

142 100

141 89.3 70.4 105.6

115 37.4 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

12.91

6000

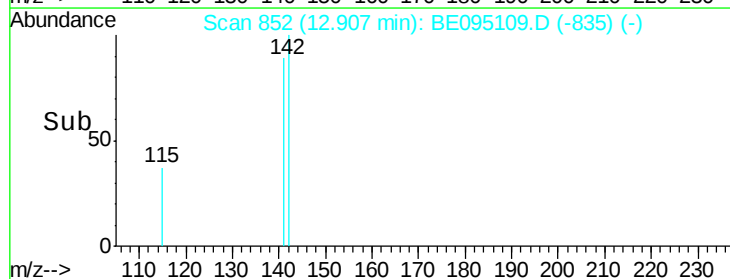
4000

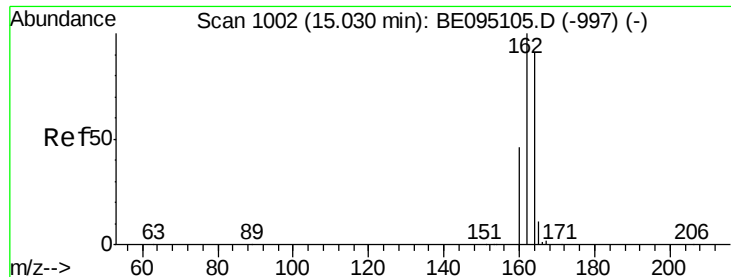
2000

0

Time-->

12.80 12.85 12.90 12.95





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.03 min Scan# 1002

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

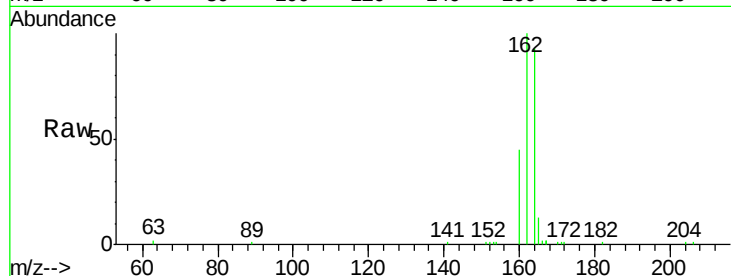
Tgt Ion:164 Resp: 6872

Ion Ratio Lower Upper

164 100

162 108.0 83.1 124.7

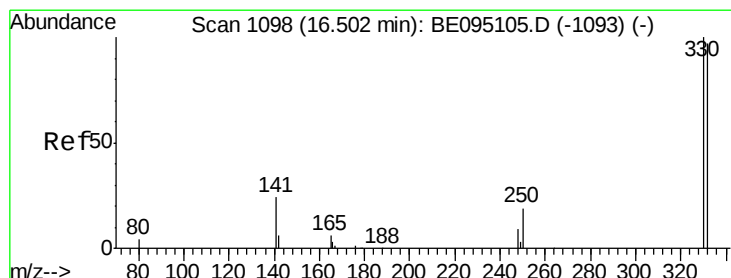
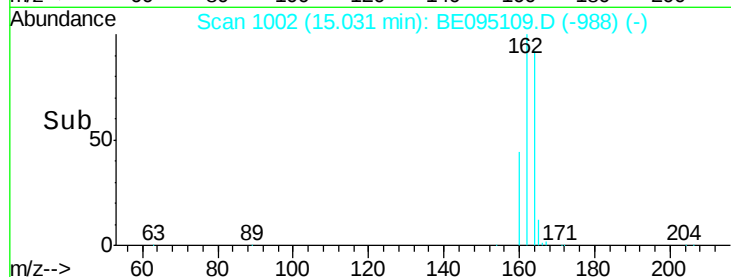
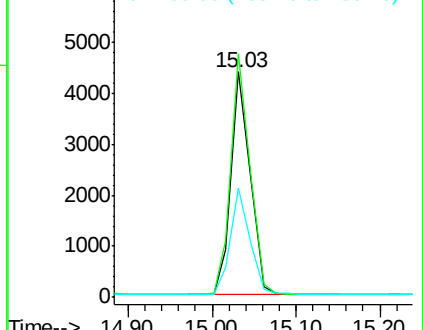
160 48.6 37.1 55.7



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: 16.50 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

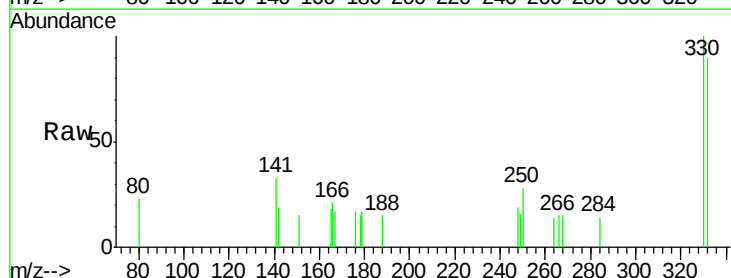
Tgt Ion:330 Resp: 471

Ion Ratio Lower Upper

330 100

332 93.0 152.7 229.1#

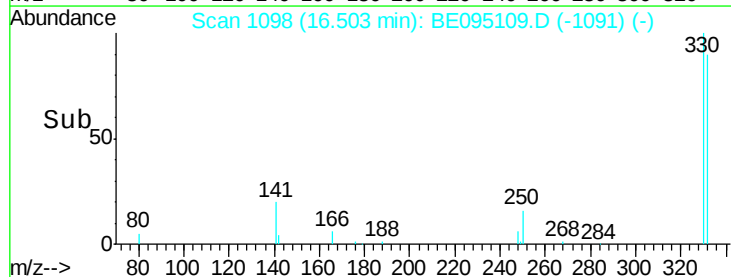
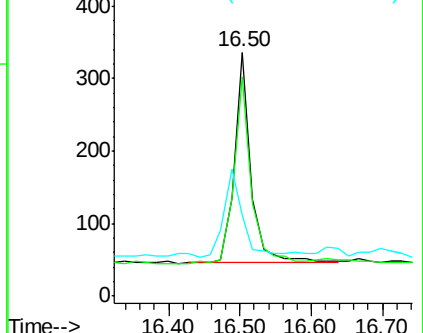
141 47.3 33.7 50.5

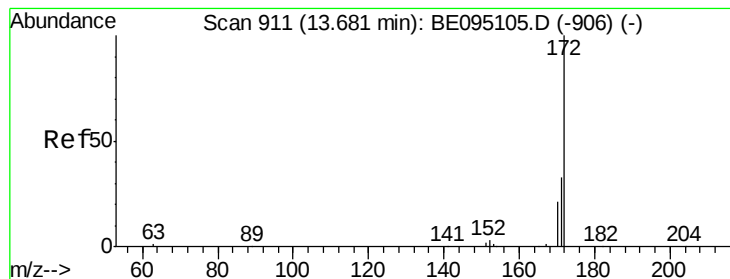


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.381 ng

RT: 13.68 min Scan# 911

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

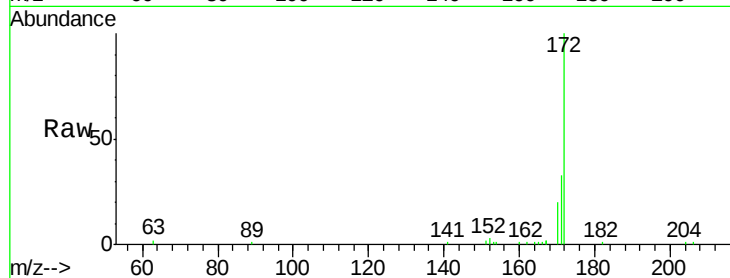
Tgt Ion:172 Resp: 11505

Ion Ratio Lower Upper

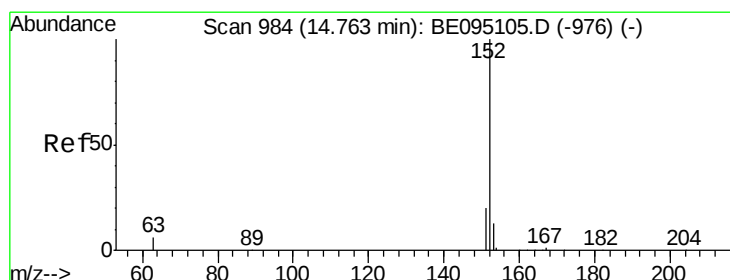
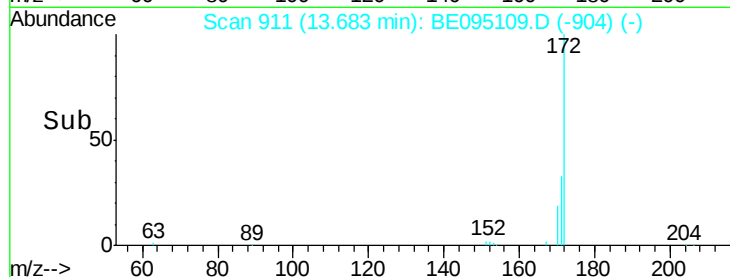
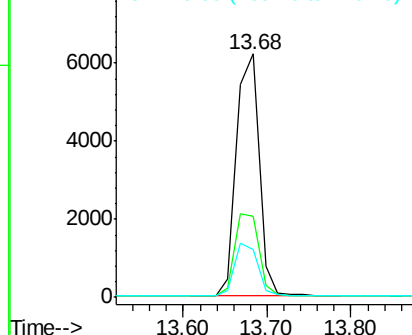
172 100

171 33.5 29.9 44.9

170 19.9 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: 0.297 ng

RT: 14.76 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

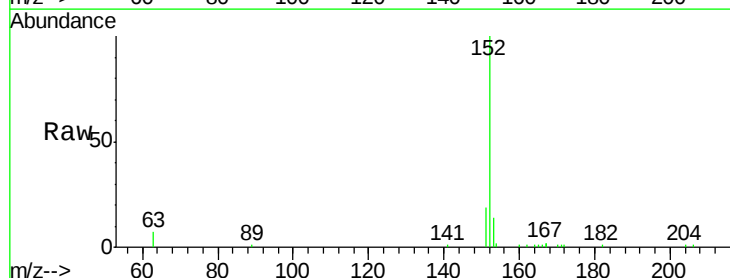
Tgt Ion:152 Resp: 10911

Ion Ratio Lower Upper

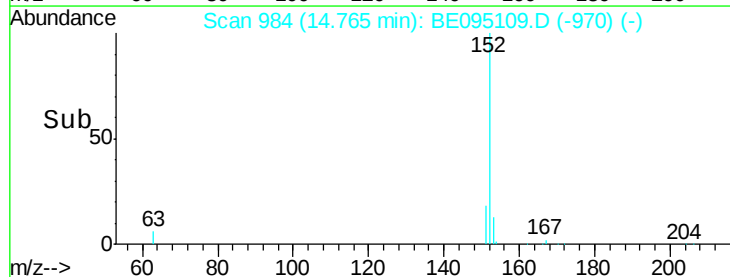
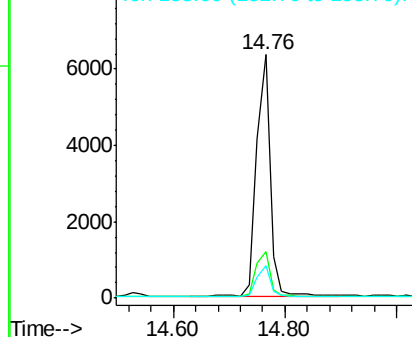
152 100

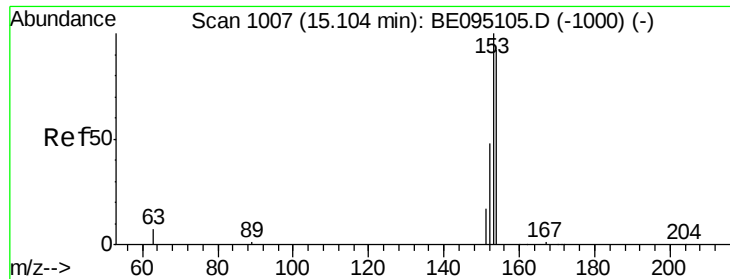
151 19.2 15.7 23.5

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: 0.302 ng

RT: 15.09 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

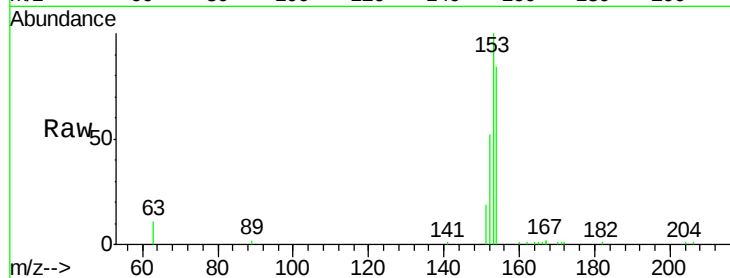
Tgt Ion:154 Resp: 7228

Ion Ratio Lower Upper

154 100

153 114.7 89.2 133.8

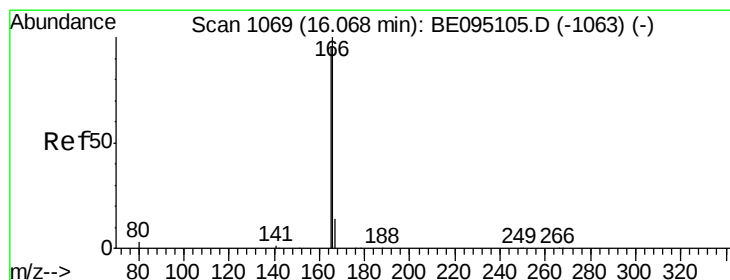
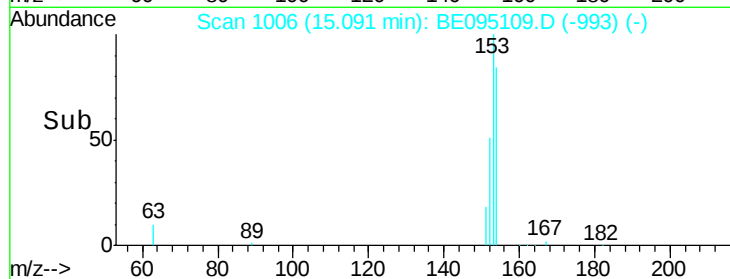
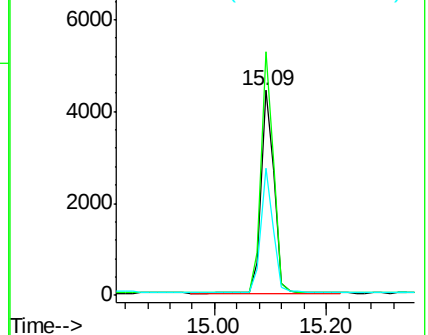
152 58.5 42.0 63.0



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: 0.303 ng

RT: 16.05 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

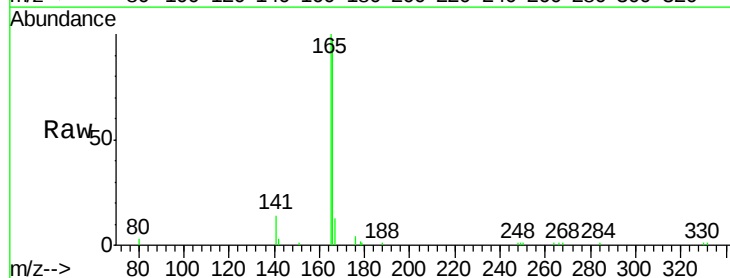
Tgt Ion:166 Resp: 9052

Ion Ratio Lower Upper

166 100

165 99.7 77.8 116.6

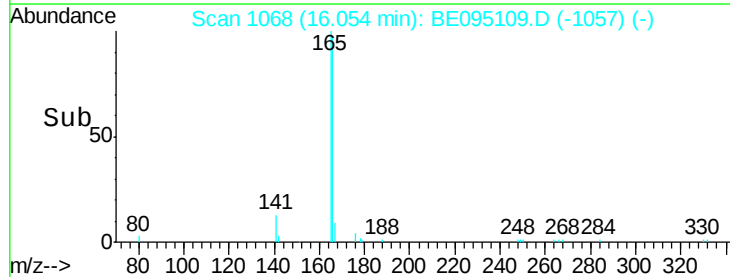
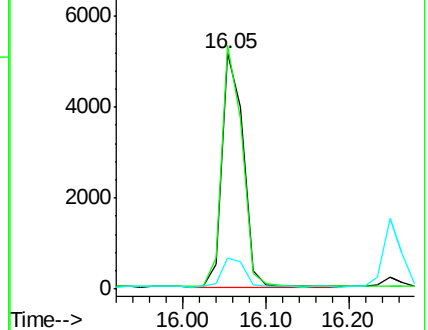
167 13.2 42.4 63.6#

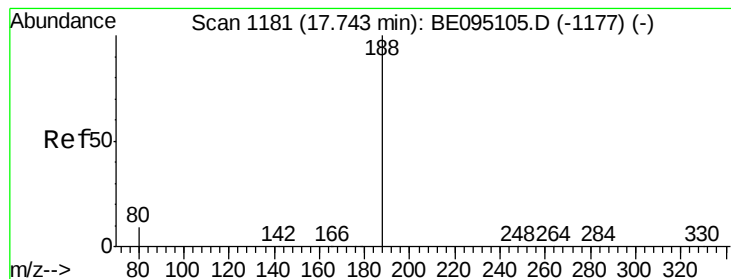


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.74 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

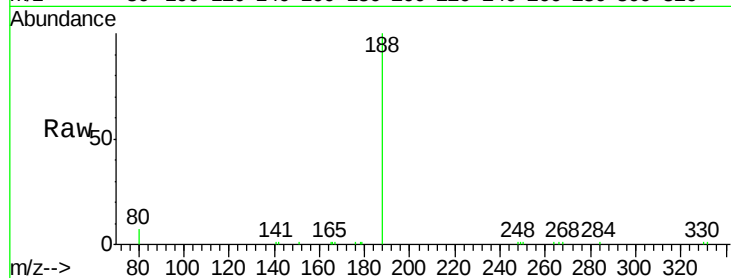
Tgt Ion:188 Resp: 15541

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

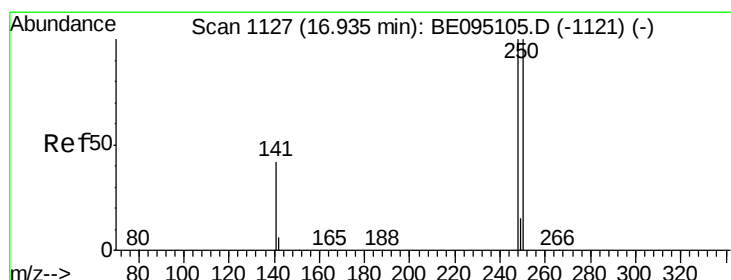
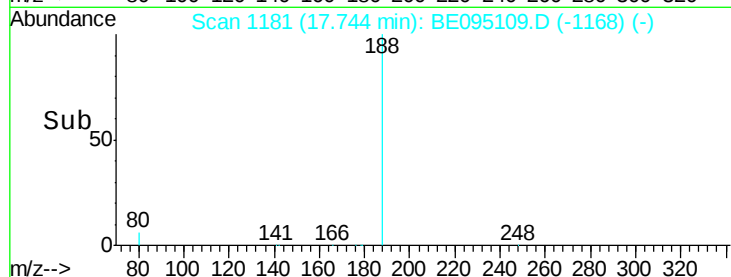
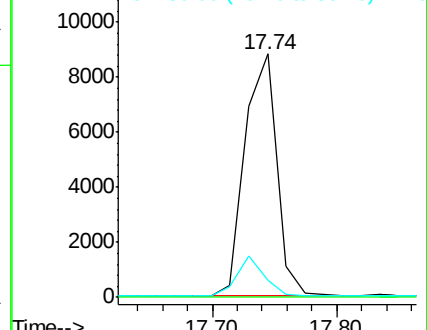
80 6.8 3.6 5.4#



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: 0.318 ng

RT: 16.94 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

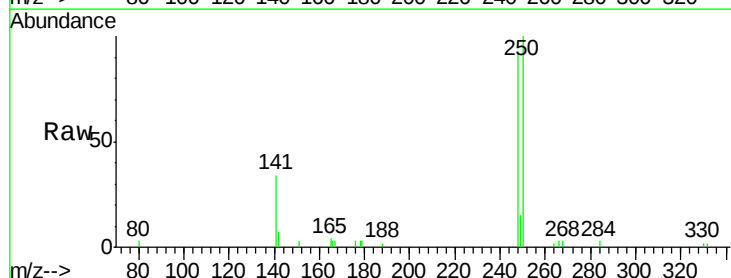
Tgt Ion:248 Resp: 2907

Ion Ratio Lower Upper

248 100

250 108.3 62.7 94.1#

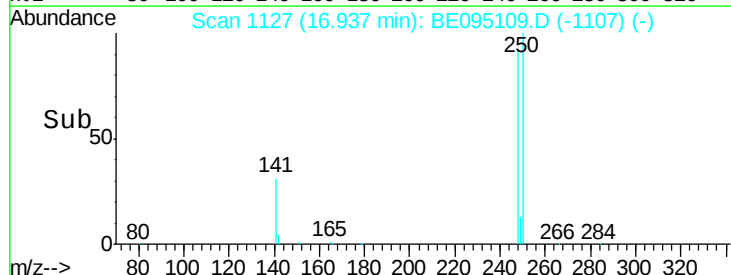
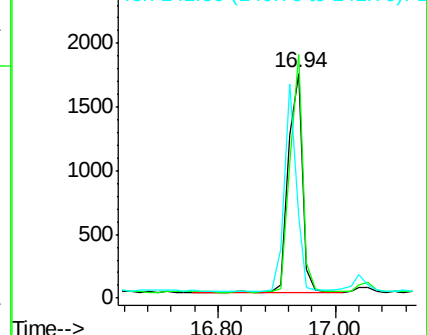
141 36.6 48.2 72.2#

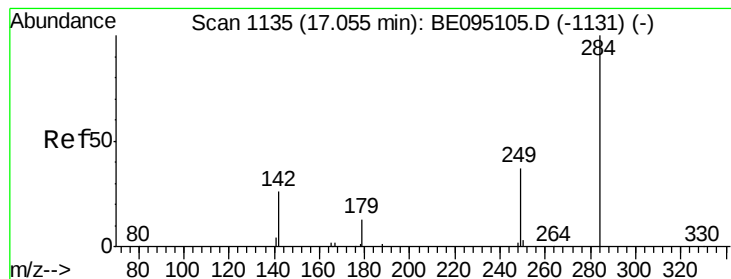


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.318 ng

RT: 17.06 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

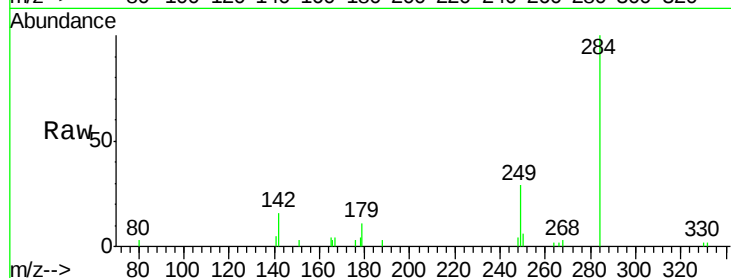
Tgt Ion:284 Resp: 2920

Ion Ratio Lower Upper

284 100

142 39.1 22.1 33.1#

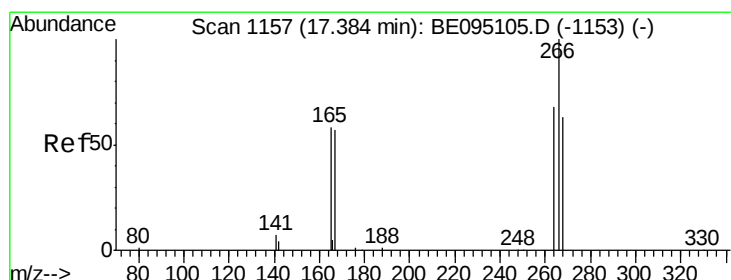
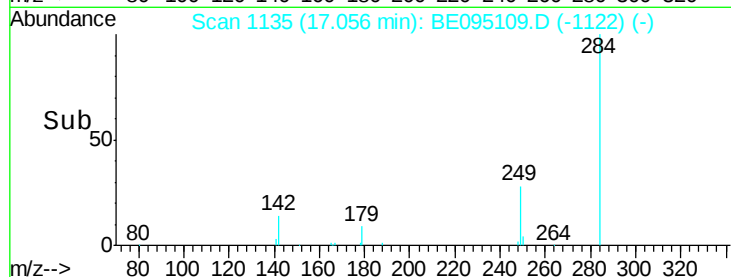
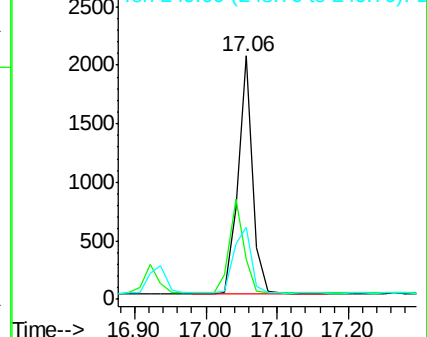
249 32.8 34.8 52.2#



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: 0.473 ng

RT: 17.39 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

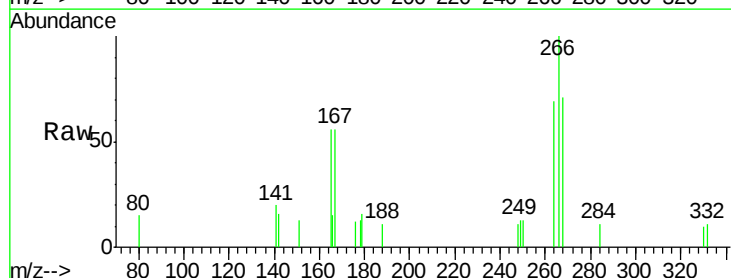
Tgt Ion:266 Resp: 879

Ion Ratio Lower Upper

266 100

264 69.2 72.5 108.7#

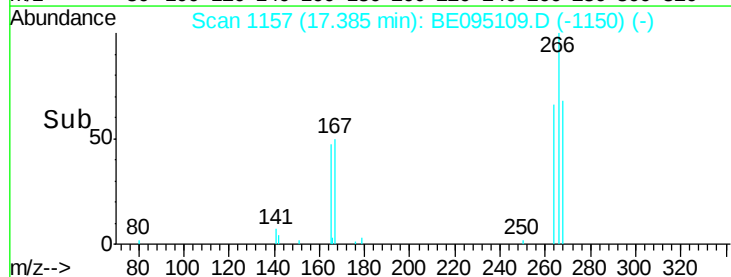
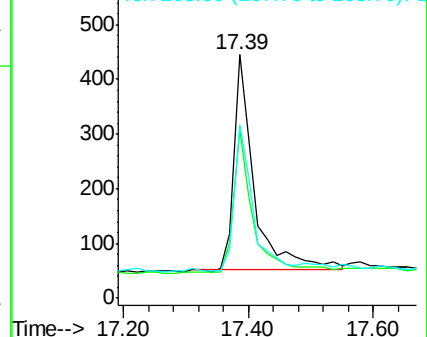
268 71.2 73.8 110.6#

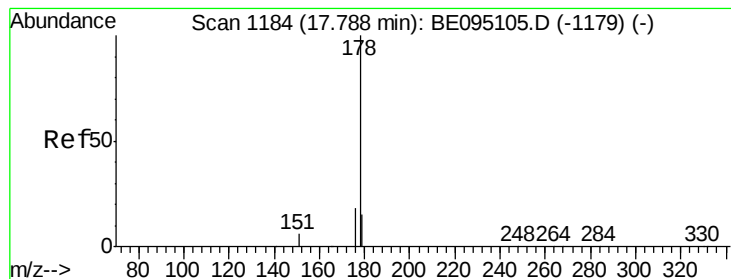


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.321 ng

RT: 17.77 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

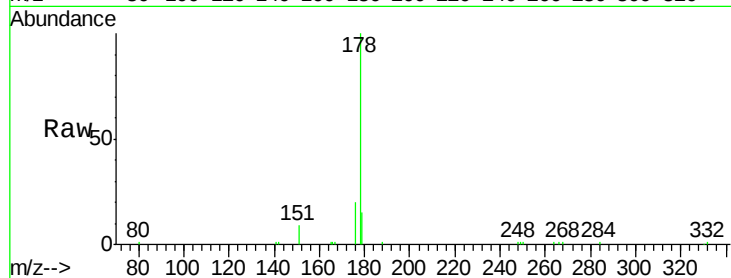
Tgt Ion:178 Resp: 15419

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

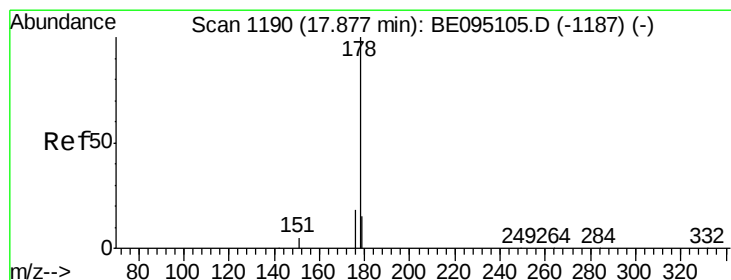
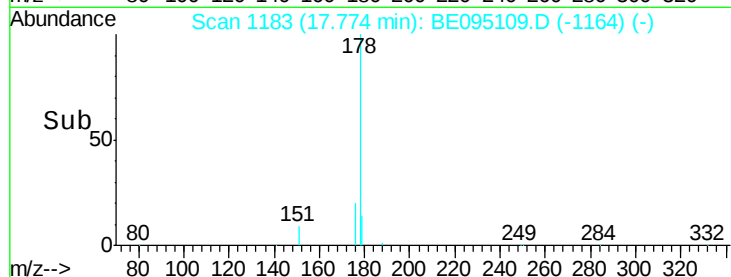
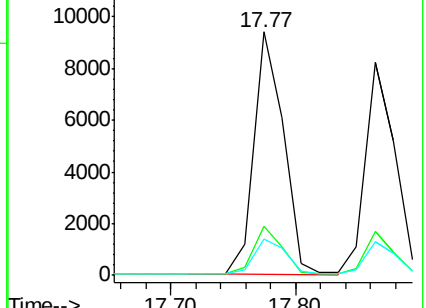
179 14.9 11.8 17.6



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: 0.314 ng

RT: 17.86 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

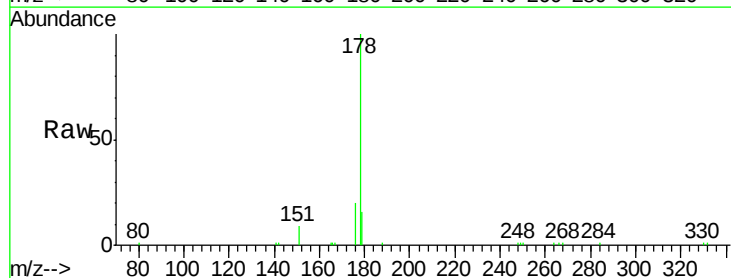
Tgt Ion:178 Resp: 13424

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

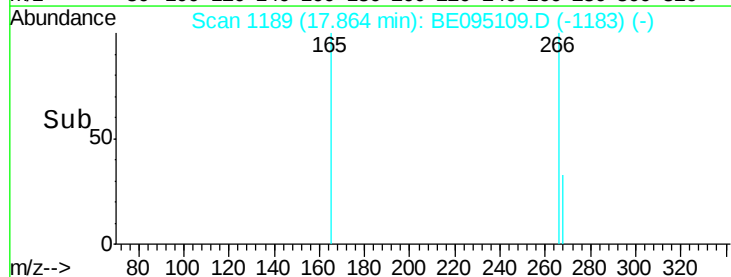
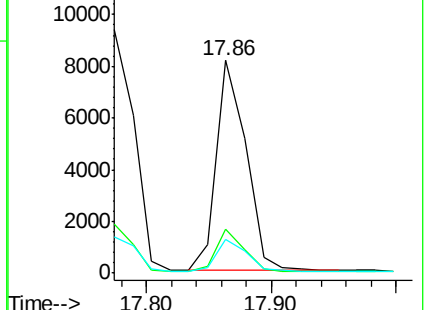
179 15.1 13.0 19.6

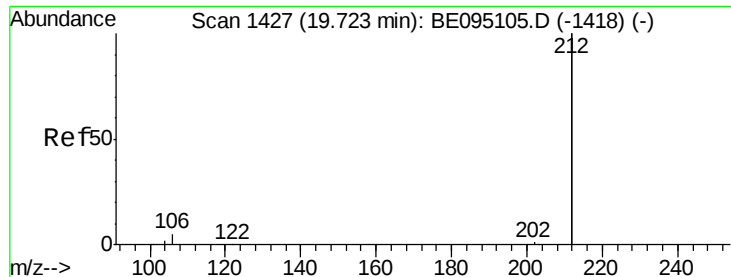


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.329 ng

RT: 19.71 min Scan# 1426

Delta R.T. -0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

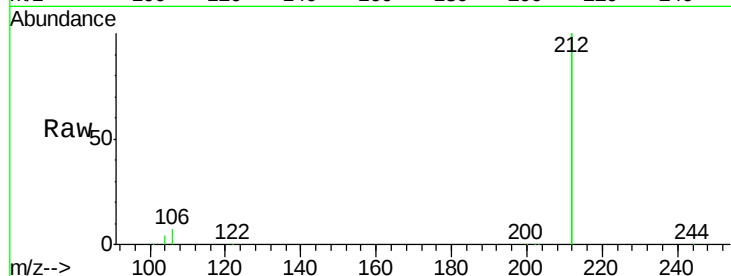
Tgt Ion:212 Resp: 64287

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

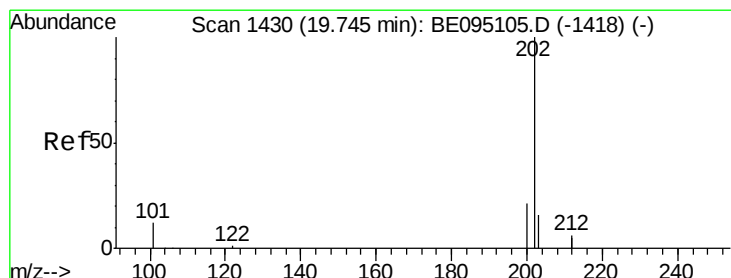
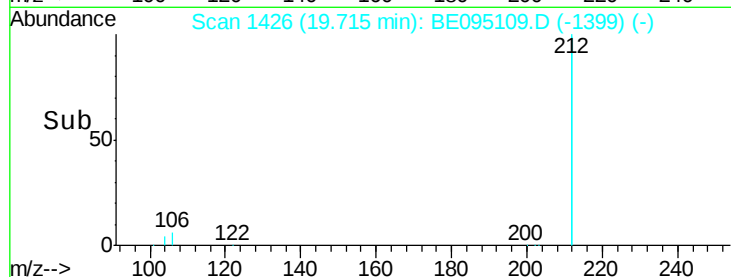
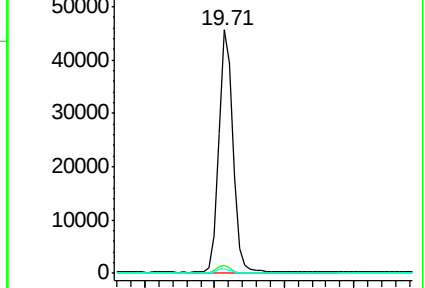
104 1.8 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.323 ng

RT: 19.74 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

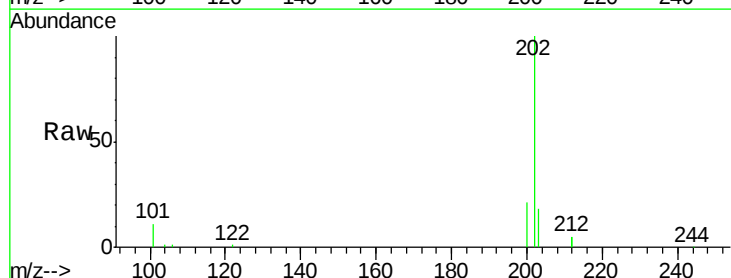
Tgt Ion:202 Resp: 18648

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

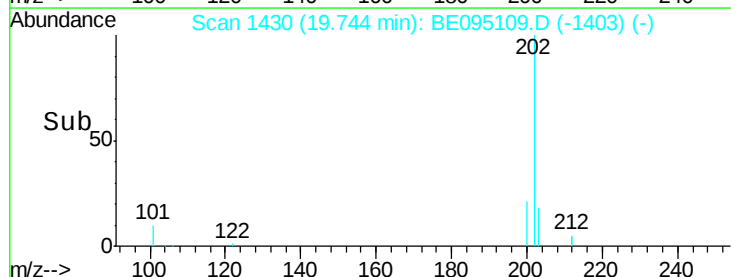
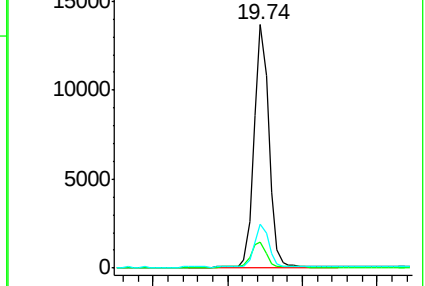
203 17.2 13.7 20.5

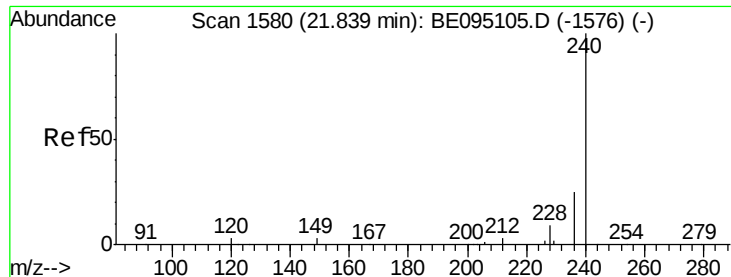


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.84 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

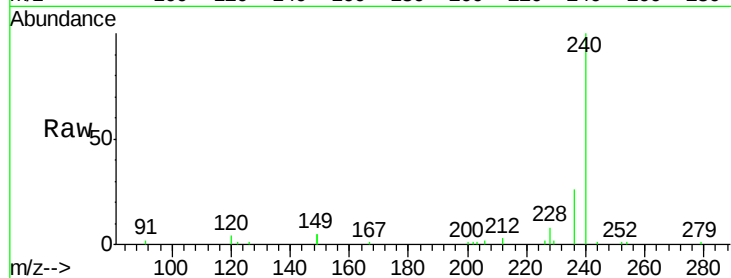
Tgt Ion:240 Resp: 16710

Ion Ratio Lower Upper

240 100

120 3.8 5.5 8.3#

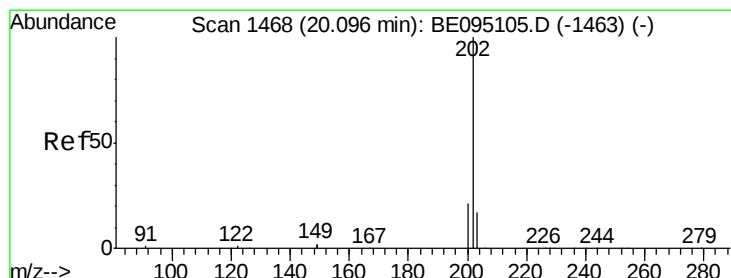
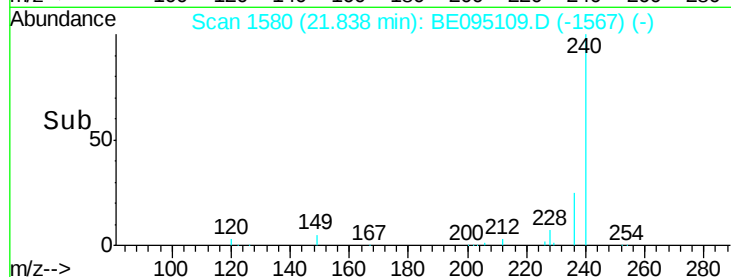
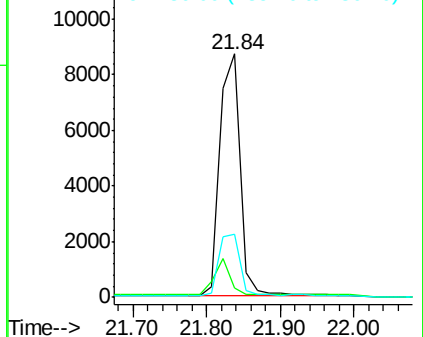
236 25.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.288 ng

RT: 20.10 min Scan# 1468

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

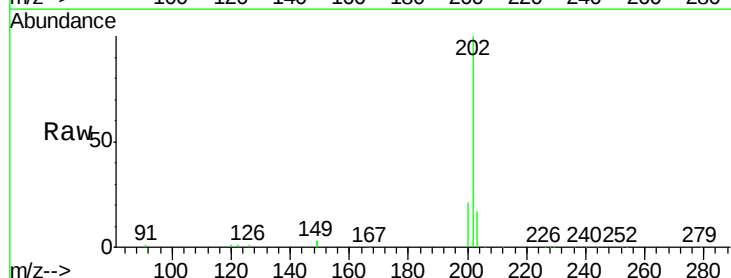
Tgt Ion:202 Resp: 20325

Ion Ratio Lower Upper

202 100

200 22.6 16.6 25.0

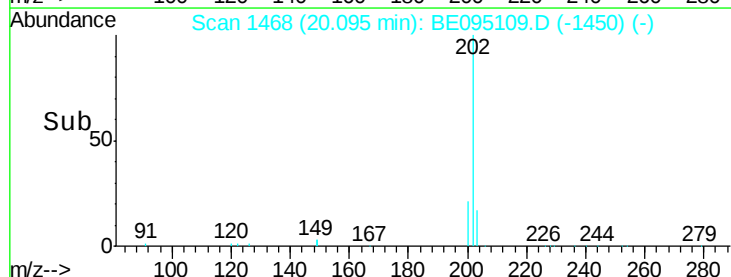
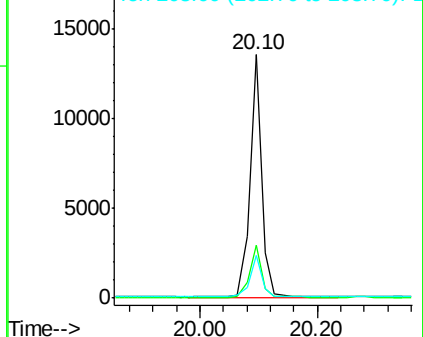
203 17.7 13.8 20.8

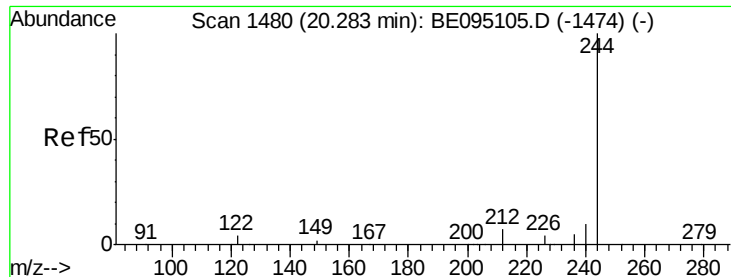


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.363 ng

RT: 20.28 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

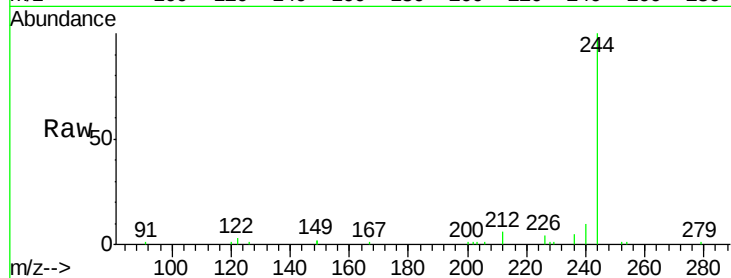
Tgt Ion:244 Resp: 12432

Ion Ratio Lower Upper

244 100

212 6.1 25.4 38.0#

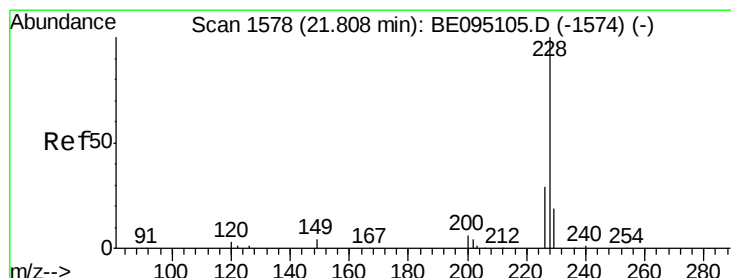
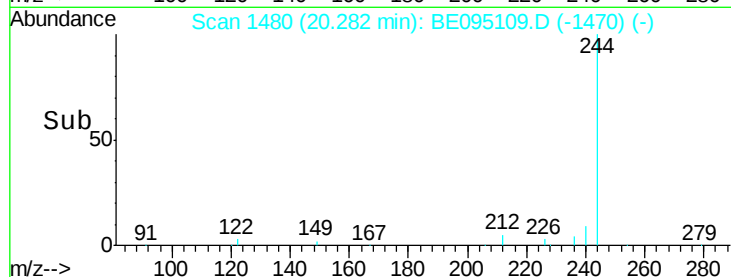
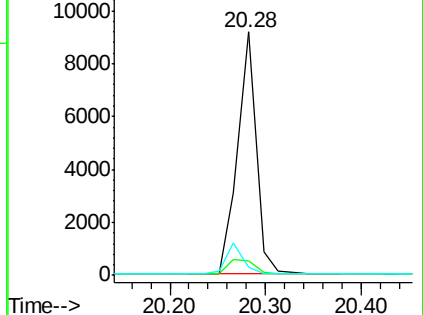
122 3.4 8.1 12.1#



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: 0.301 ng

RT: 21.81 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

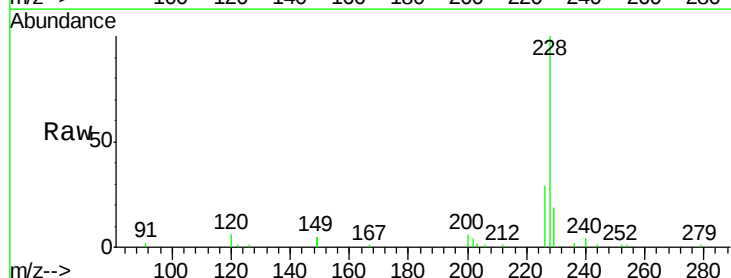
Tgt Ion:228 Resp: 15742

Ion Ratio Lower Upper

228 100

226 28.6 24.0 36.0

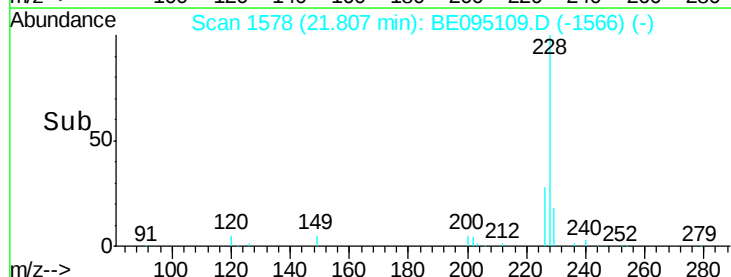
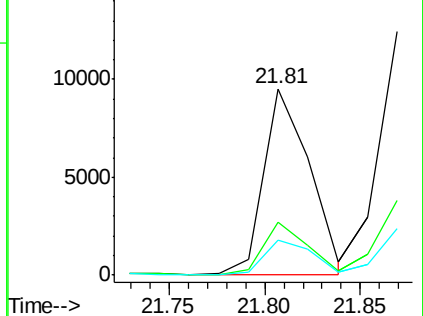
229 18.6 16.0 24.0

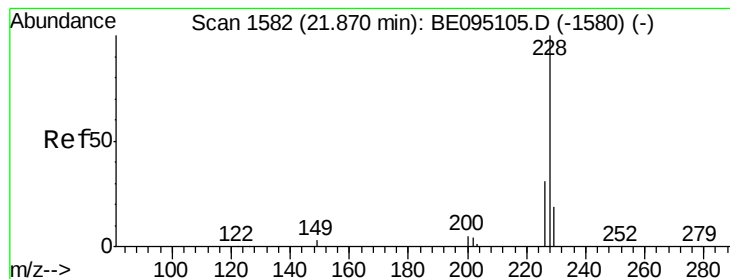


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.332 ng

RT: 21.87 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

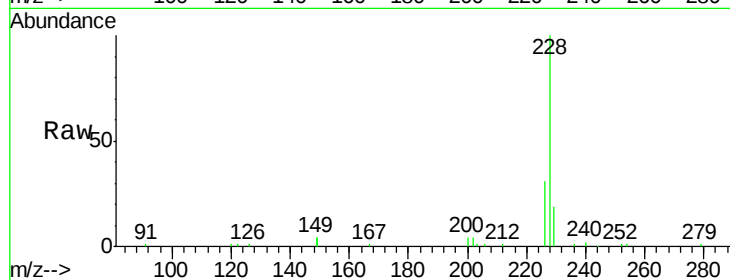
Tgt Ion:228 Resp: 17536

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

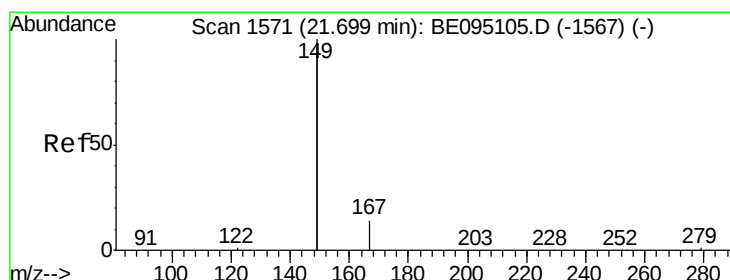
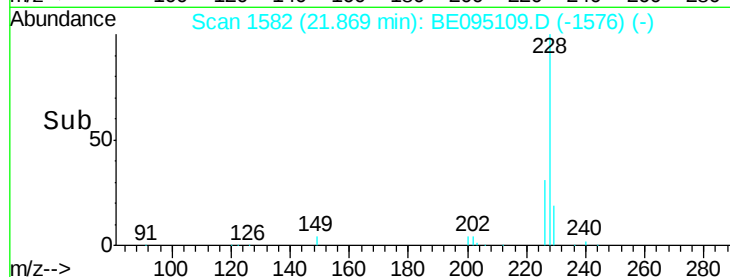
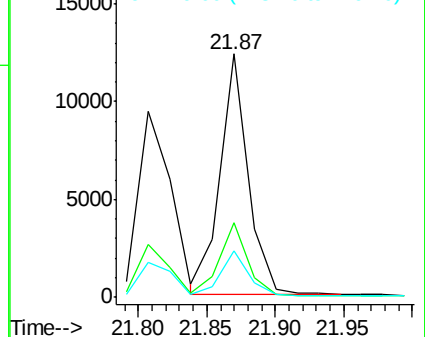
229 18.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.233 ng

RT: 21.70 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

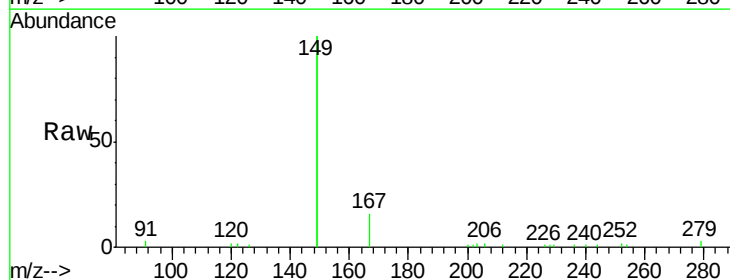
Tgt Ion:149 Resp: 16941

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

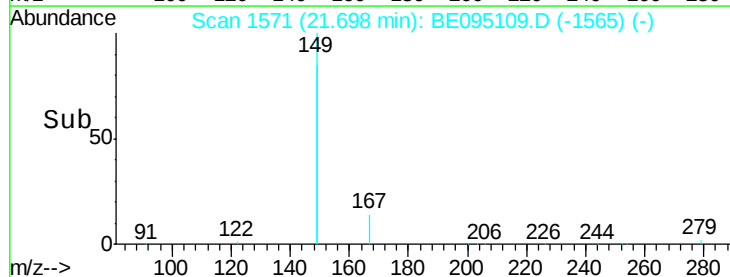
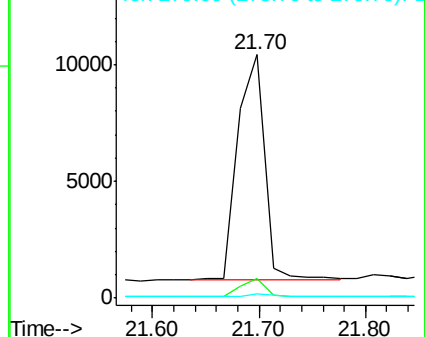
279 1.2 0.7 1.1#

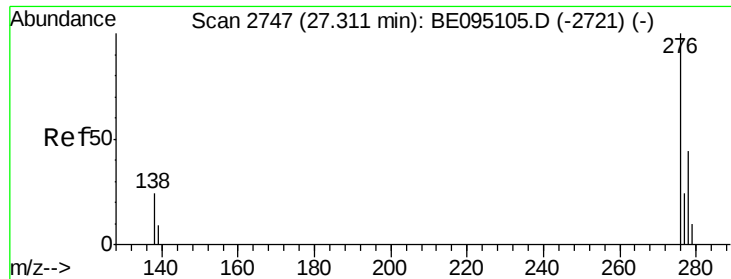


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.280 ng

RT: 27.31 min Scan# 2747

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

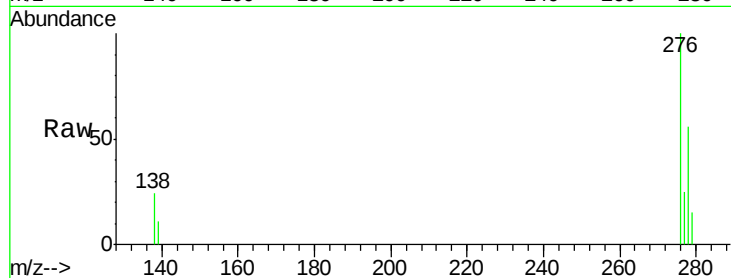
Tgt Ion:276 Resp: 13462

Ion Ratio Lower Upper

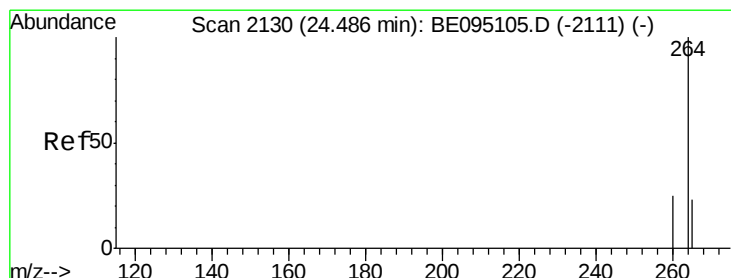
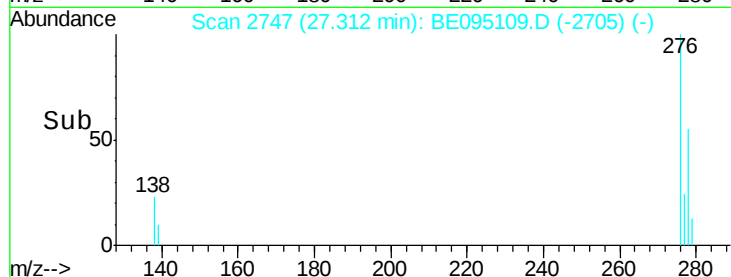
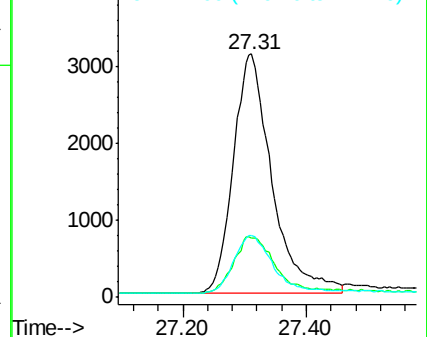
276 100

138 24.6 22.5 33.7

277 25.3 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: 24.48 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

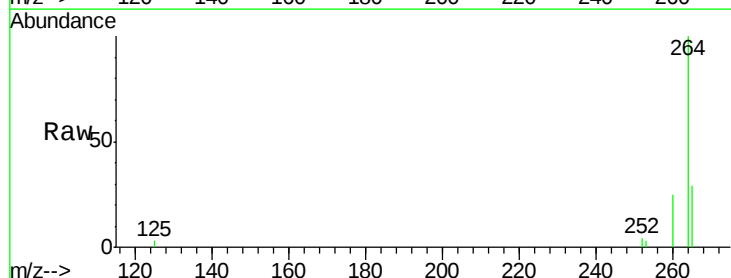
Tgt Ion:264 Resp: 13603

Ion Ratio Lower Upper

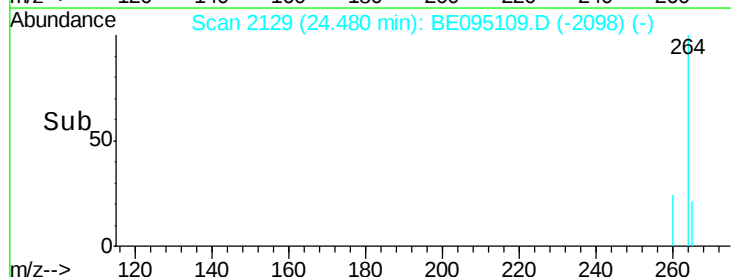
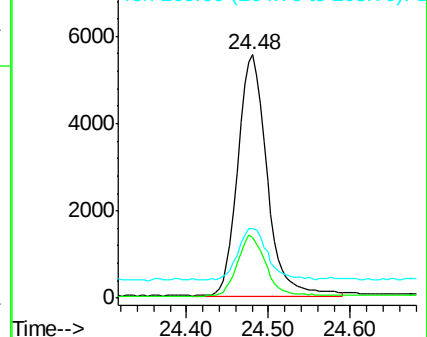
264 100

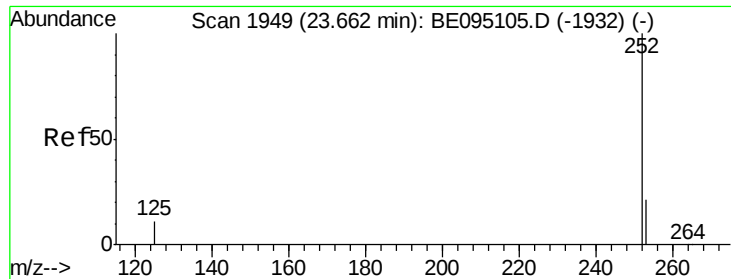
260 24.8 20.5 30.7

265 28.8 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: 0.317 ng

RT: 23.66 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD

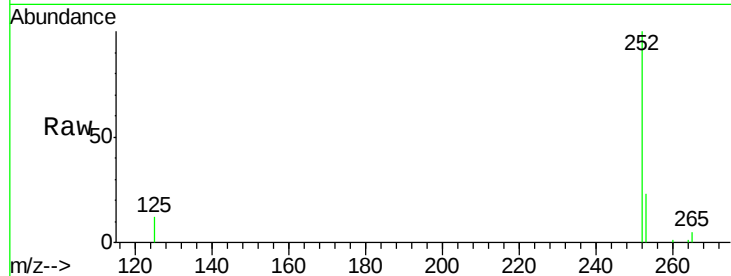
Tgt Ion:252 Resp: 15315

Ion Ratio Lower Upper

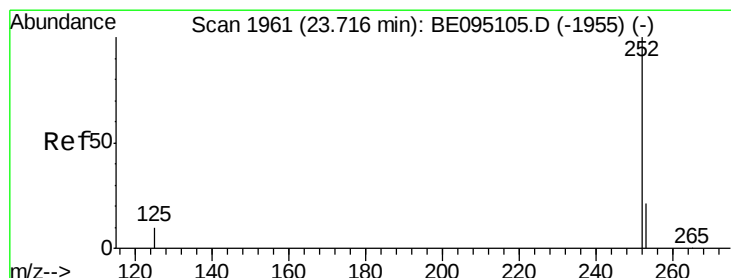
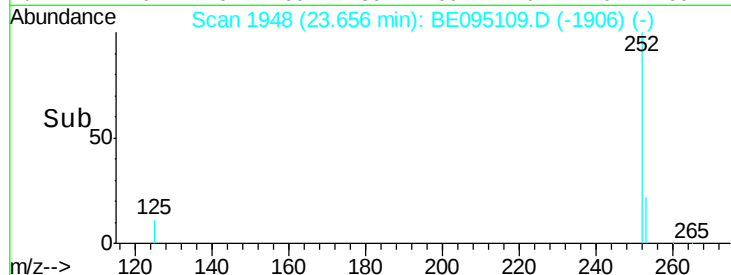
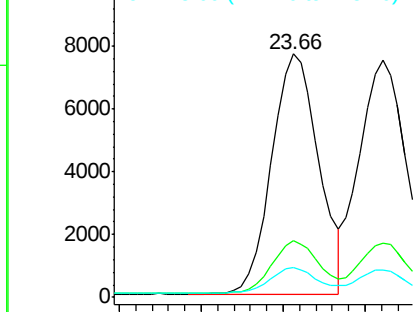
252 100

253 23.2 20.0 30.0

125 12.2 16.0 24.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.308 ng

RT: 23.71 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

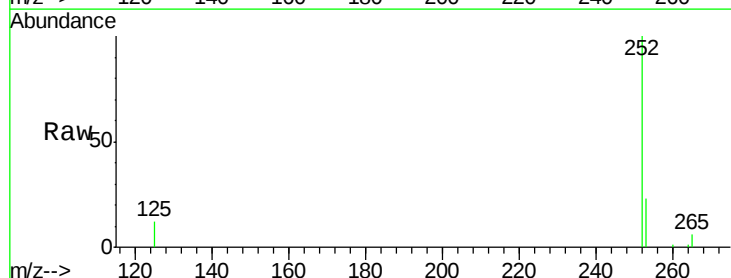
Tgt Ion:252 Resp: 15198

Ion Ratio Lower Upper

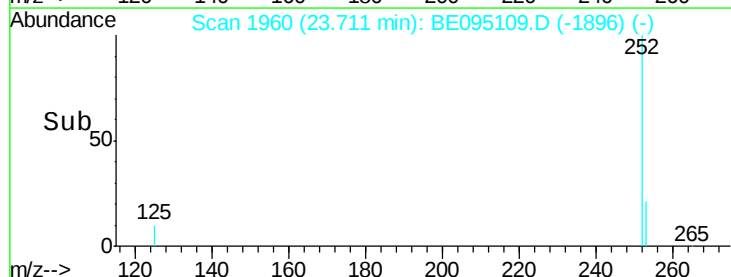
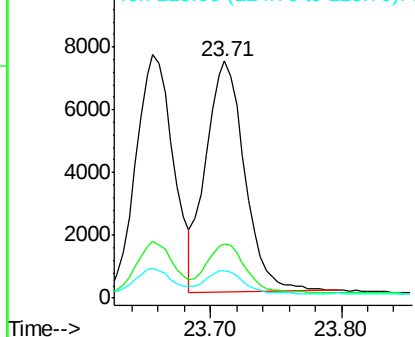
252 100

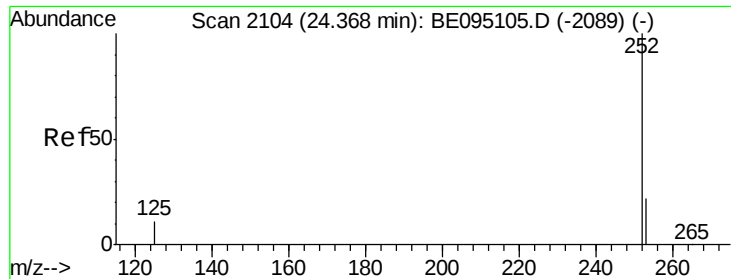
253 23.0 16.0 24.0

125 11.6 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

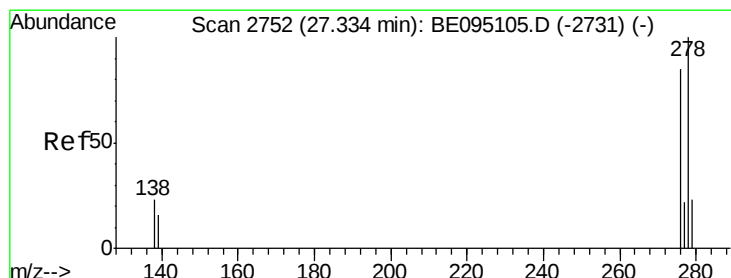
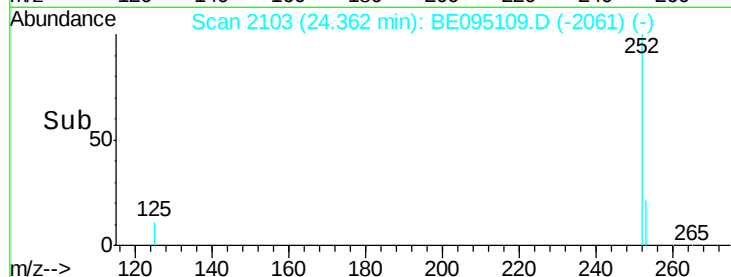
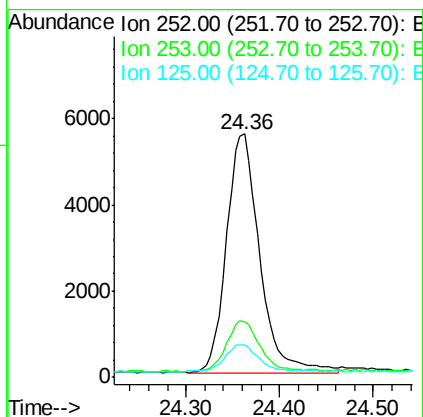
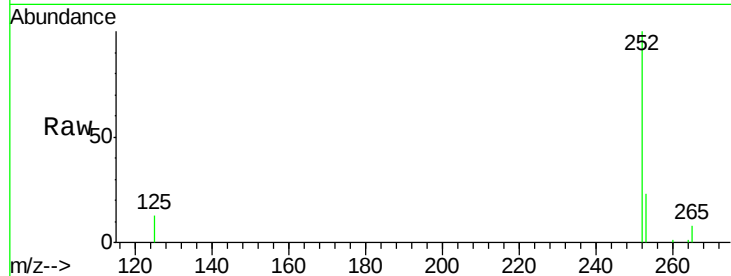




#37
Benzo(a)pyrene
Concen: 0.308 ng
RT: 24.36 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BE095109.D
Acq: 25 Jan 2018 10:40

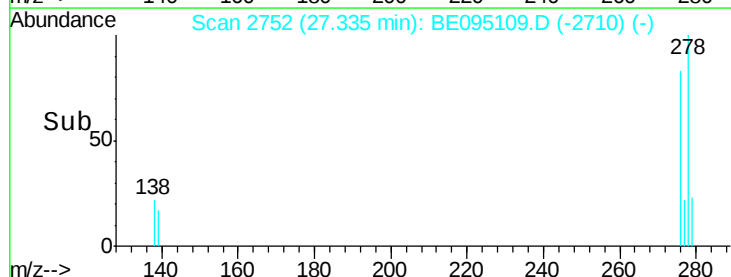
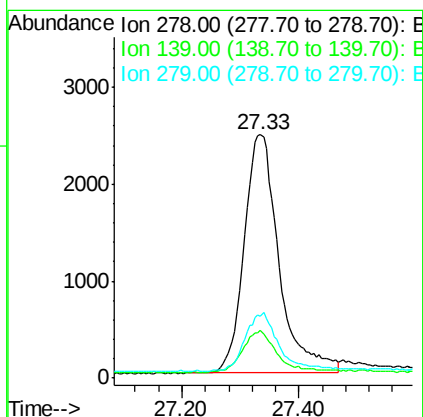
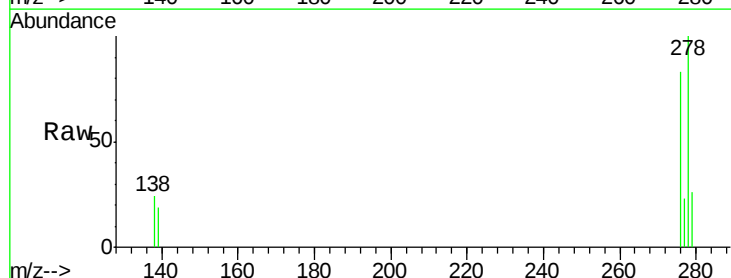
Instrument :
BNA_E
ClientSampleId :
PB105932BSD

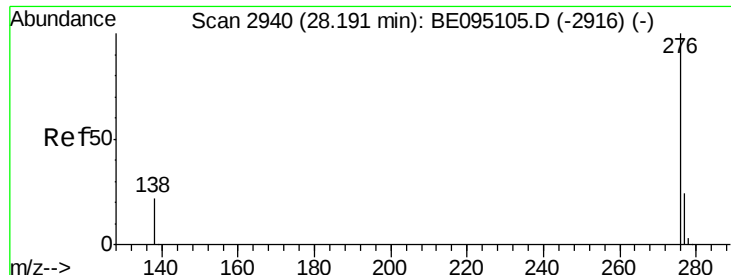
Tgt Ion:252 Resp: 13645
Ion Ratio Lower Upper
252 100
253 22.9 16.0 24.0
125 13.1 12.0 18.0



#38
Dibenzo(a,h)anthracene
Concen: 0.275 ng
RT: 27.33 min Scan# 2752
Delta R.T. -0.01 min
Lab File: BE095109.D
Acq: 25 Jan 2018 10:40

Tgt Ion:278 Resp: 10242
Ion Ratio Lower Upper
278 100
139 19.4 16.0 24.0
279 25.5 20.0 30.0





#39

Benzo(g,h,i)perylene

Concen: 0.319 ng

RT: 28.19 min Scan# 2939

Delta R.T. -0.01 min

Lab File: BE095109.D

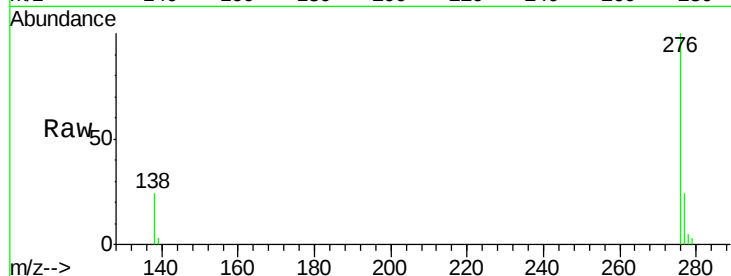
Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD



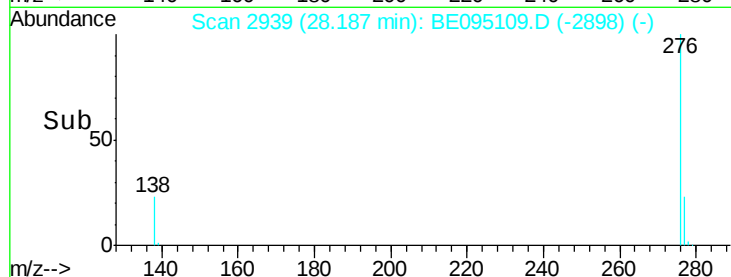
Tgt Ion: 276 Resp: 12895

Ion Ratio Lower Upper

276 100

277 24.1 16.0 24.0#

138 24.3 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

