

Data Path : U:\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						
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

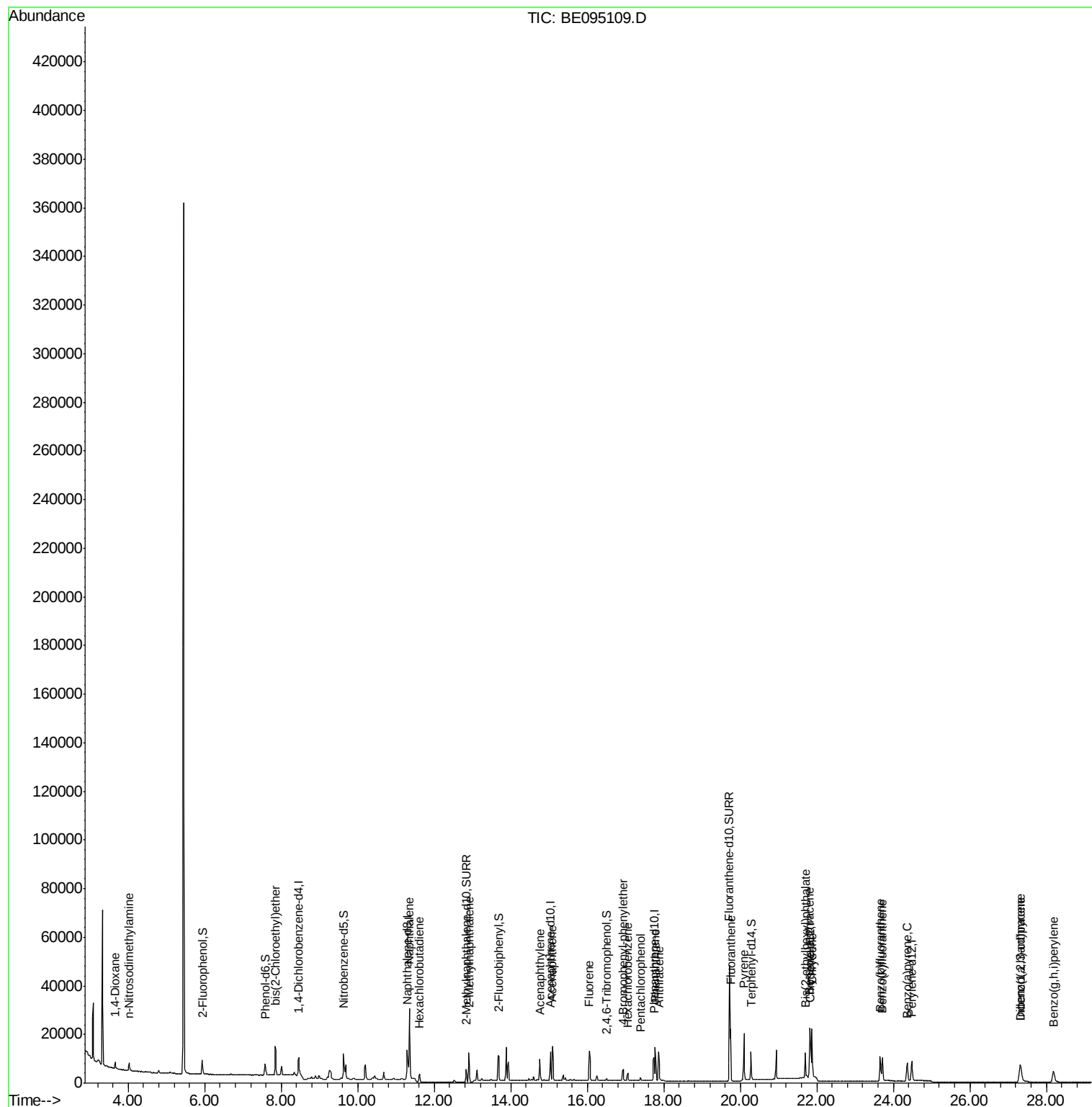
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.66	88	1741	0.268	ng	# 42
3) n-Nitrosodimethylamine	4.02	42	2329	0.301	ng	# 95
6) bis(2-Chloroethyl)ether	7.86	93	4579	0.304	ng	91
9) Naphthalene	11.34	128	51196	0.315	ng	99
10) Hexachlorobutadiene	11.61	225	2327	0.320	ng	97
12) 2-Methylnaphthalene	12.91	142	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

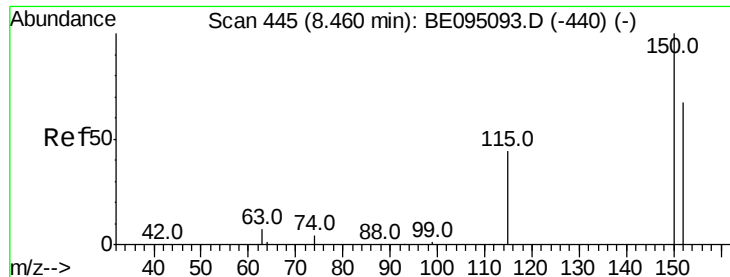
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 25 19:20:19 2018
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#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

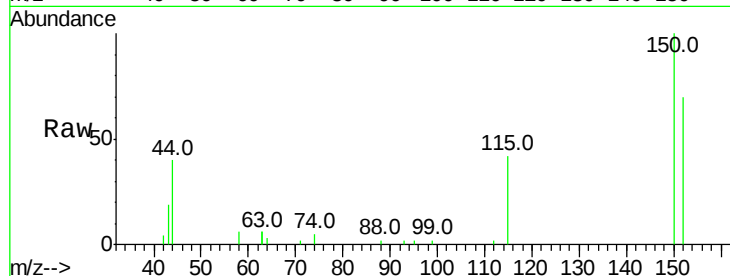
Tot Ion:152 Resp: 6599

Ion Ratio Lower Upper

152 100

150 142.5 117.2 175.8

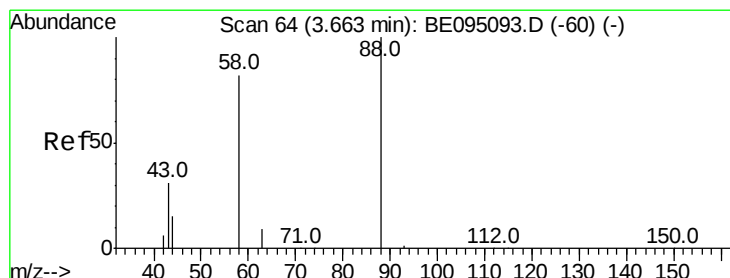
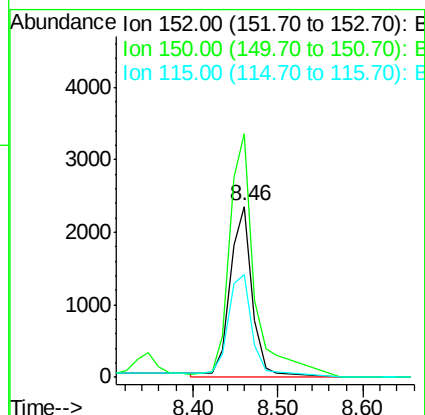
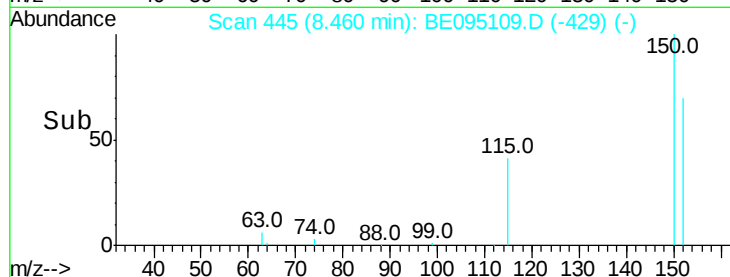
115 59.9 57.0 85.6



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

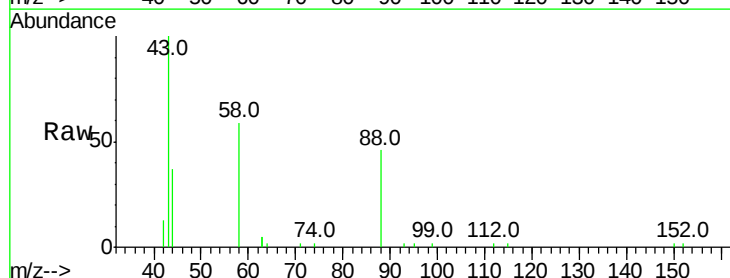
Tgt Ion: 88 Resp: 1741

Ion Ratio Lower Upper

88 100

58 101.7 63.2 94.8#

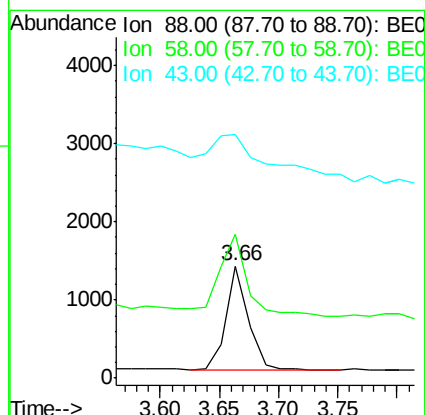
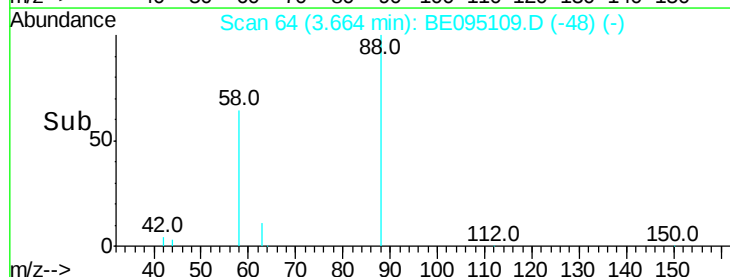
43 127.0 41.2 61.8#

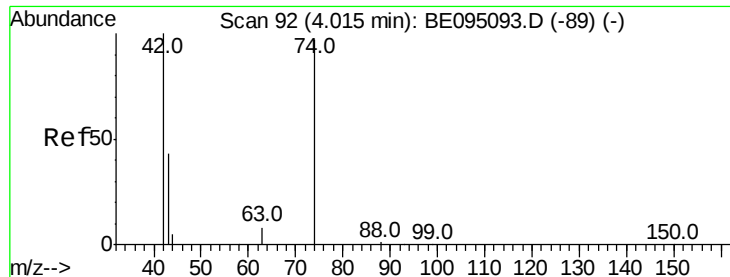


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



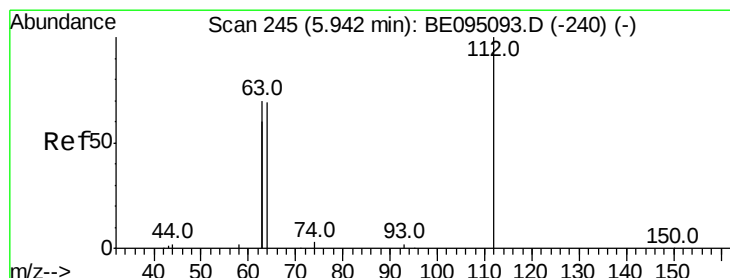
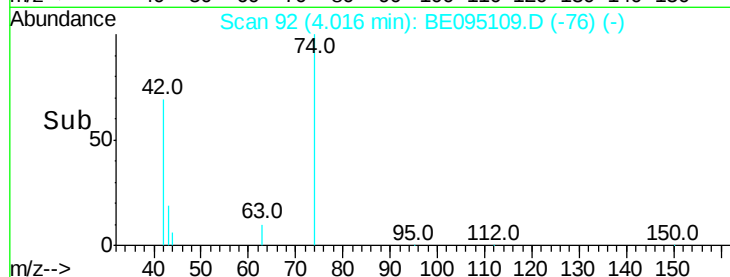
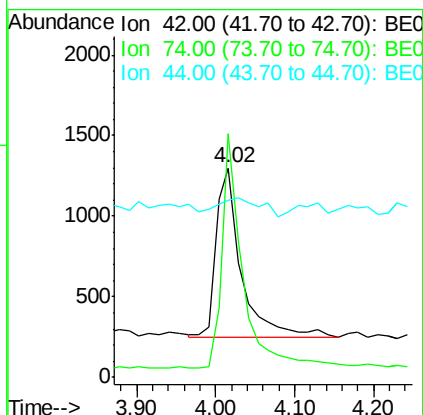
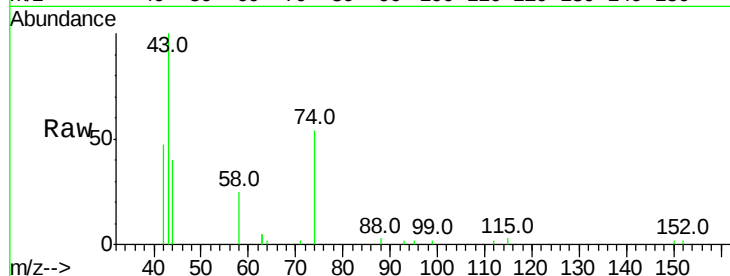


#3

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

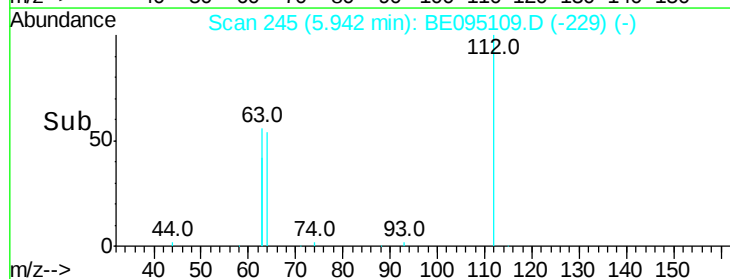
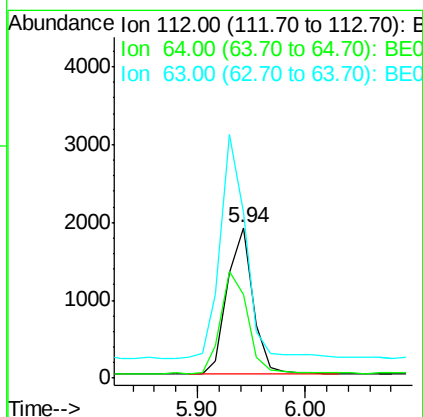
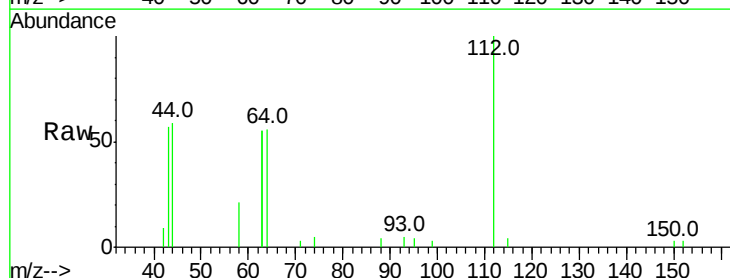
Tot Ion: 42 Resp: 2329
 Ion Ratio Lower Upper
 42 100
 74 114.6 96.0 144.0
 44 18.5 12.0 18.0#

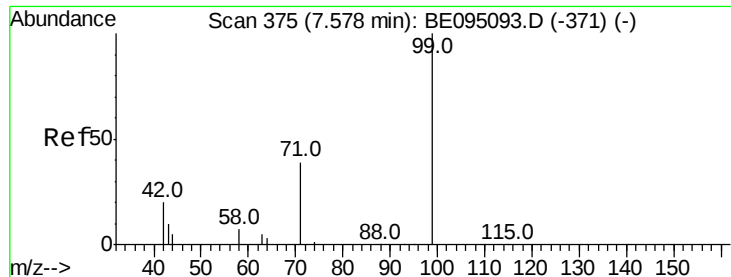


#4

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





#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

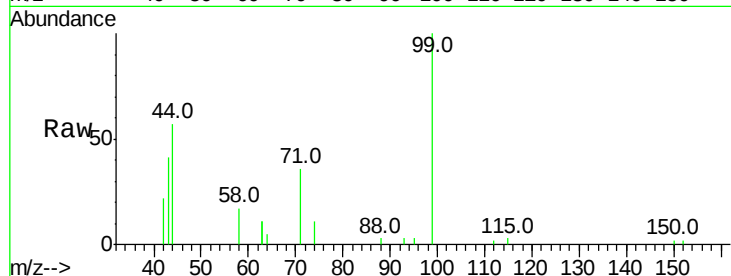
Tot Ion: 99 Resp: 4284

Ion Ratio Lower Upper

99 100

42 24.1 20.2 30.2

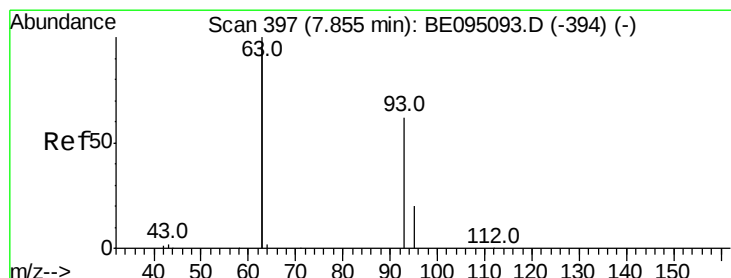
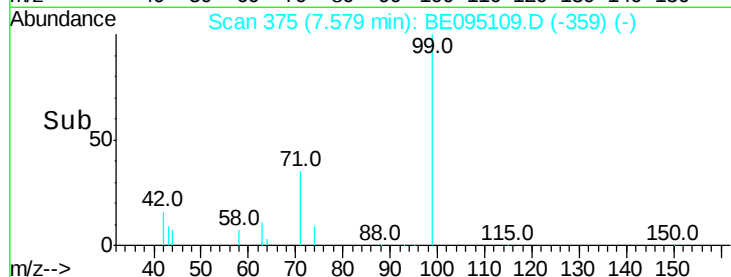
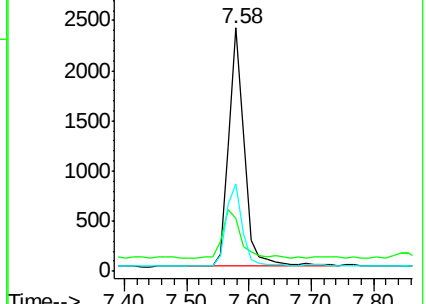
71 36.2 28.4 42.6



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

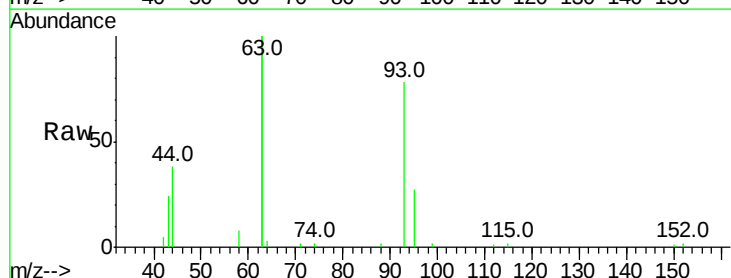
Tgt Ion: 93 Resp: 4579

Ion Ratio Lower Upper

93 100

63 322.1 275.3 412.9

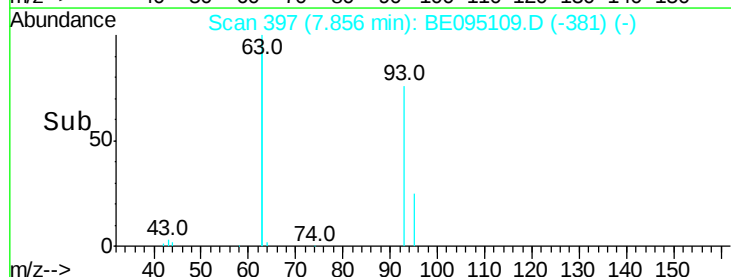
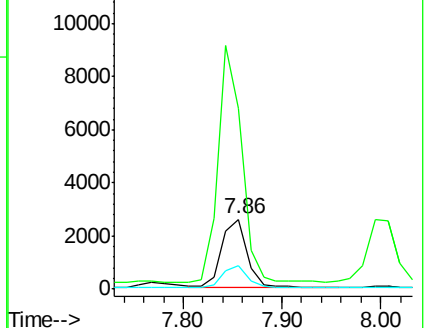
95 30.9 25.2 37.8

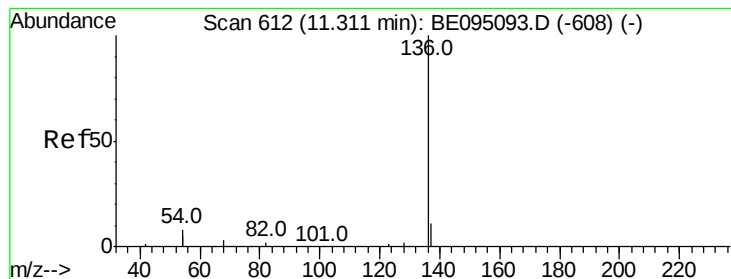


Abundance Ion 93.00 (92.70 to 93.70): BE0

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

Tot Ion:136 Resp: 14191

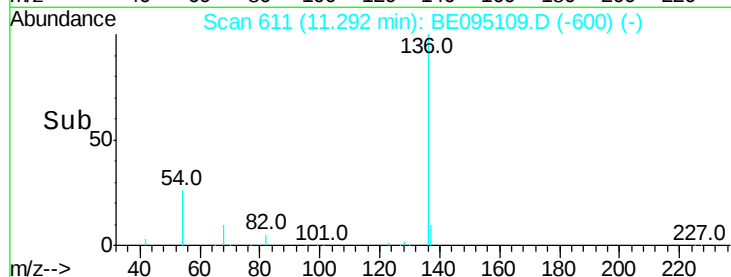
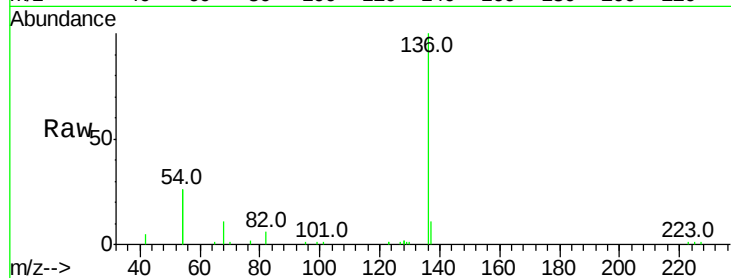
Ion Ratio Lower Upper

136 100

137 10.8 9.5 14.3

54 51.8 29.1 43.7#

68 10.9 6.2 9.2#

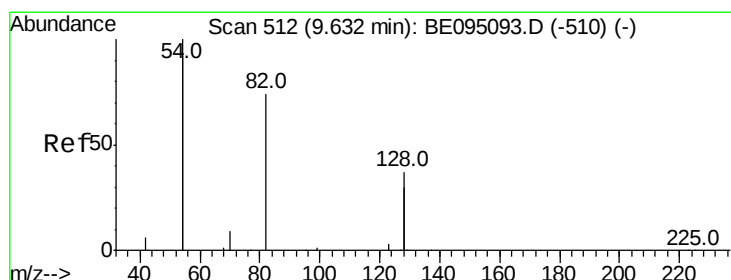
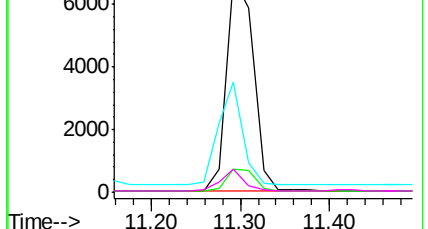


Abundance Ion 136.00 (135.70 to 136.70): E

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

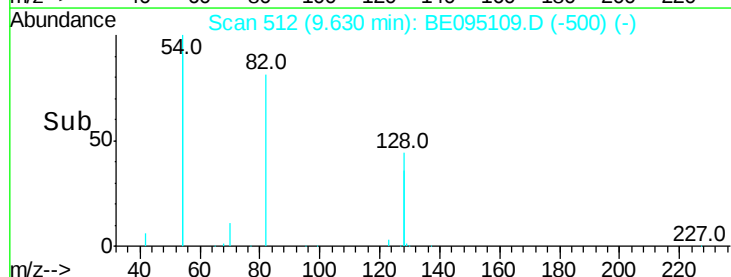
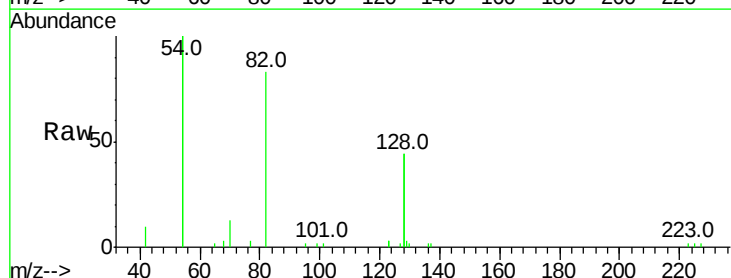
Tgt Ion: 82 Resp: 4100

Ion Ratio Lower Upper

82 100

128 105.0 150.0 225.0#

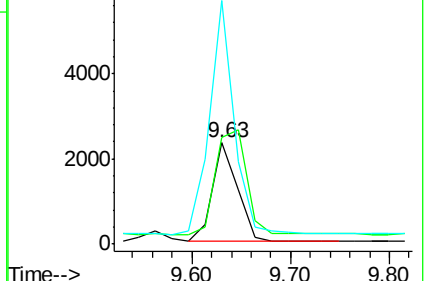
54 239.9 154.2 231.4#

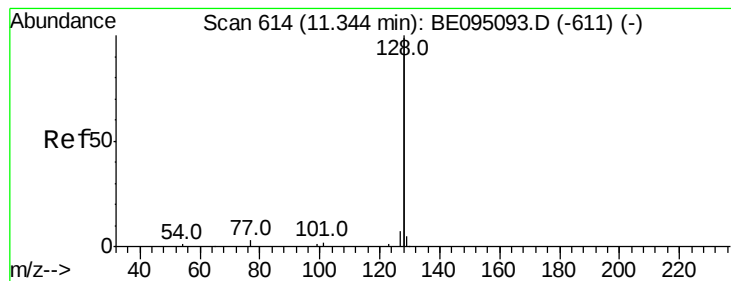


Abundance Ion 82.00 (81.70 to 82.70): BE0

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

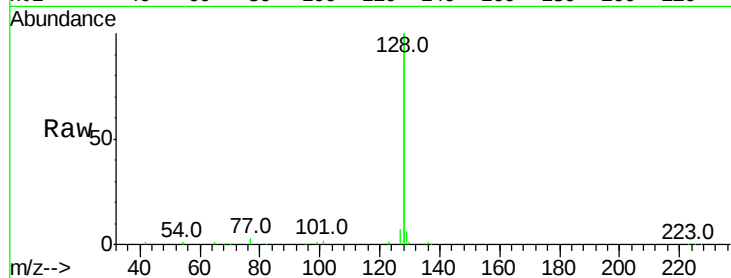
Tot Ion:128 Resp: 51196

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

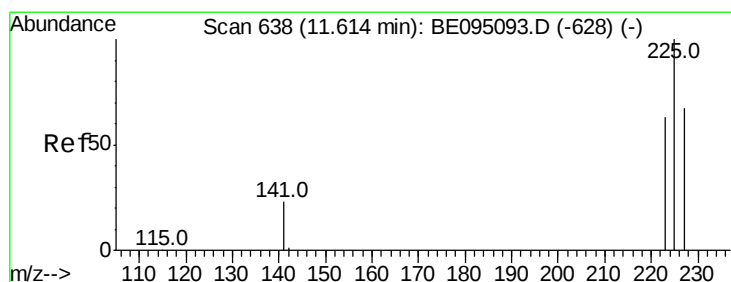
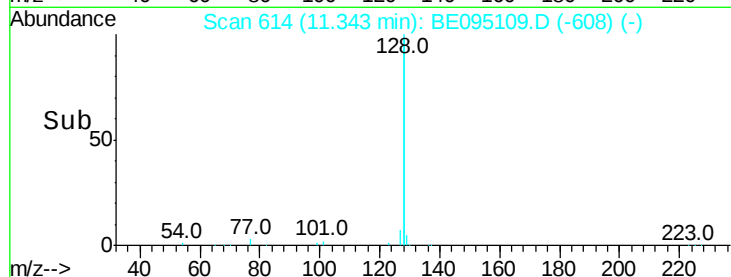
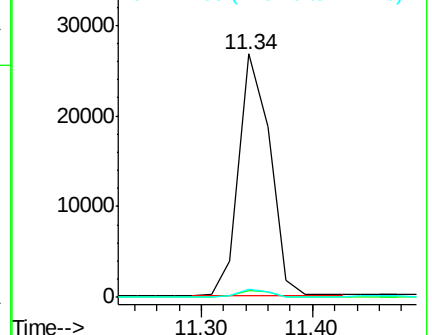
127 3.6 2.8 4.2



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

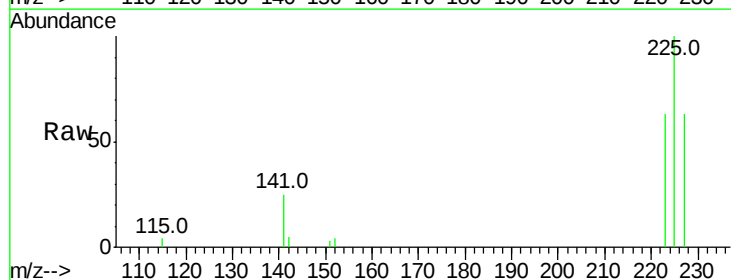
Tgt Ion:225 Resp: 2327

Ion Ratio Lower Upper

225 100

223 63.2 53.0 79.6

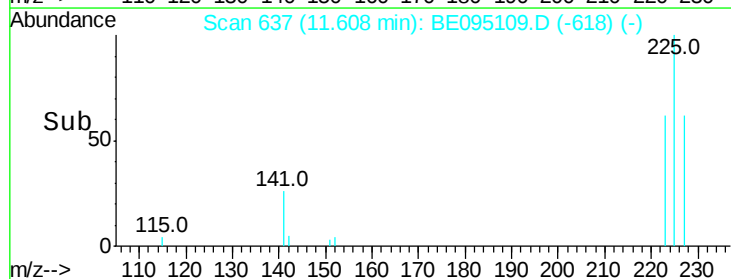
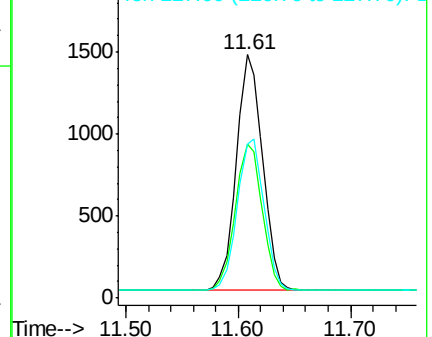
227 65.6 51.4 77.2

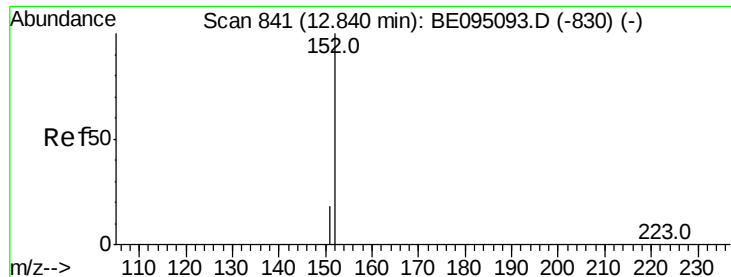


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

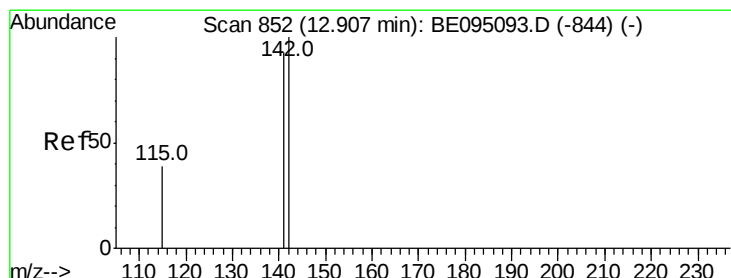
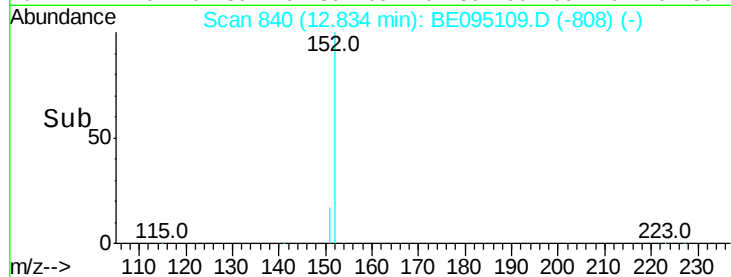
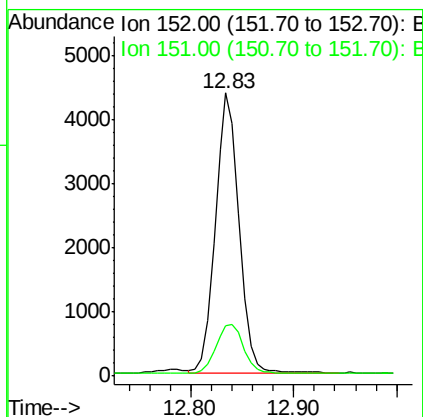
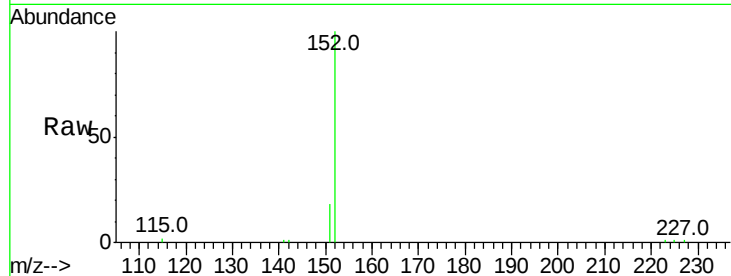




#11
 2-Methylnaphthalene-d10
 Concen: 0.296 ng
 RT: 12.83 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BE095109.D
 Acq: 25 Jan 2018 10:40

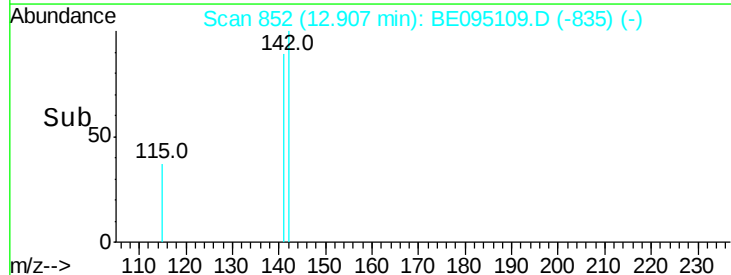
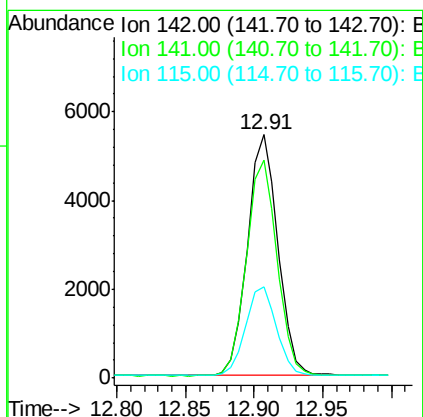
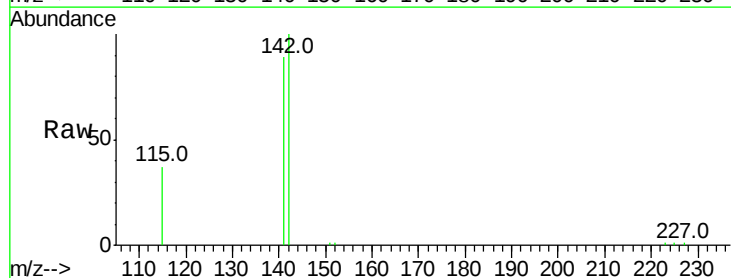
Instrument :
 BNA_E
 ClientSampleId :
 PB105932BSD

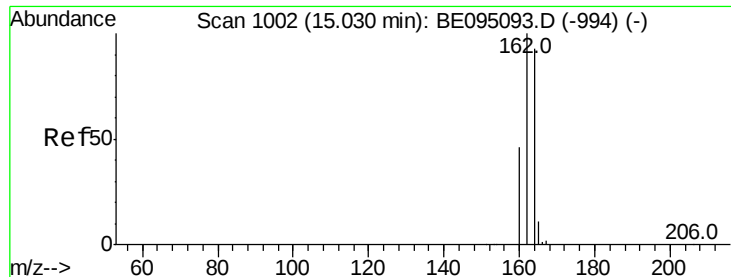
Tot Ion:152 Resp: 6964
 Ion Ratio Lower Upper
 152 100
 151 20.0 15.4 23.0



#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





#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

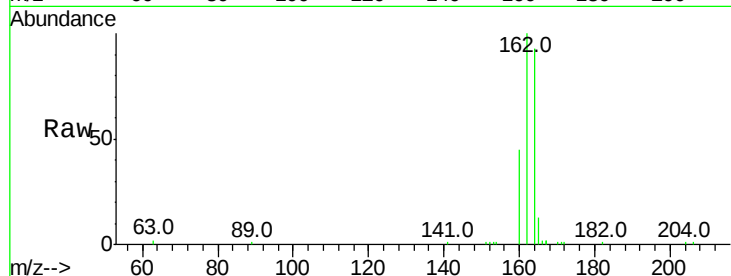
Tot Ion:164 Resp: 6872

Ion Ratio Lower Upper

164 100

162 108.0 83.1 124.7

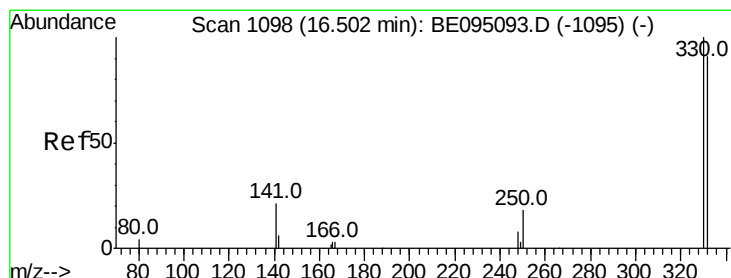
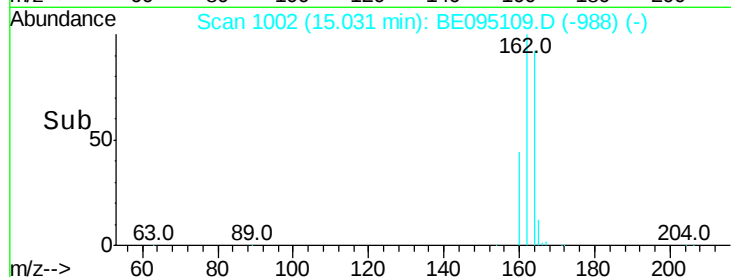
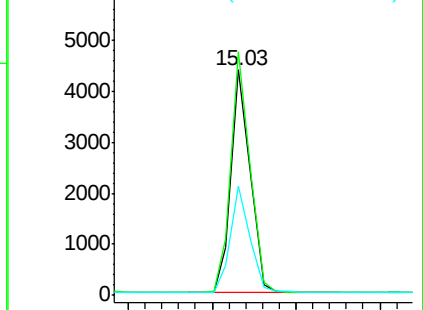
160 48.6 37.1 55.7



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

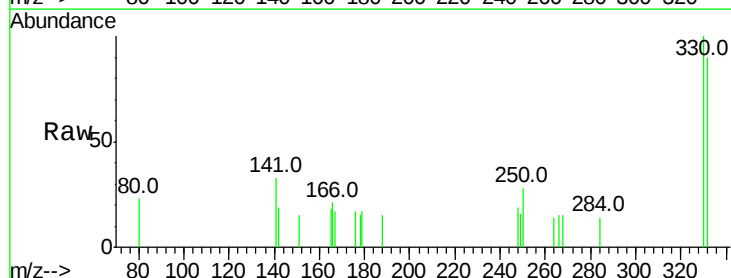
Tgt Ion:330 Resp: 471

Ion Ratio Lower Upper

330 100

332 93.0 152.7 229.1#

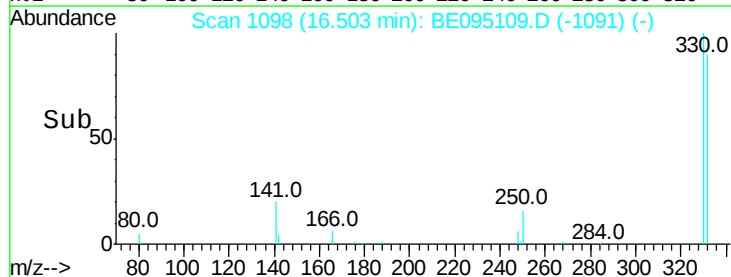
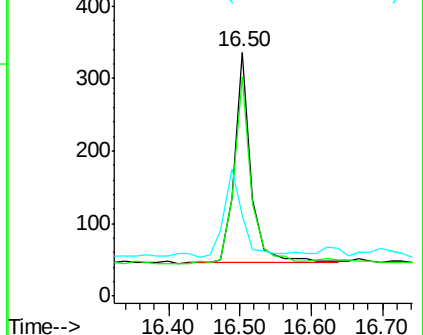
141 47.3 33.7 50.5

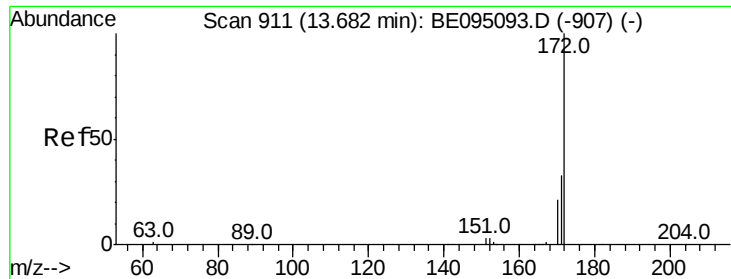


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

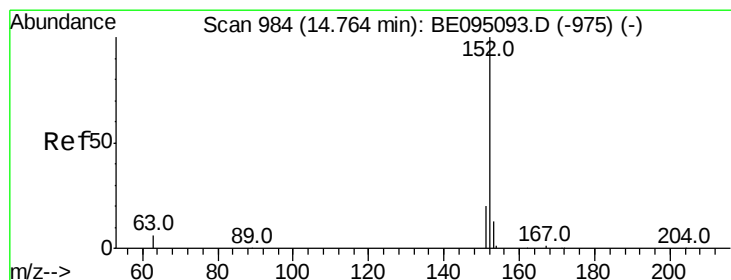
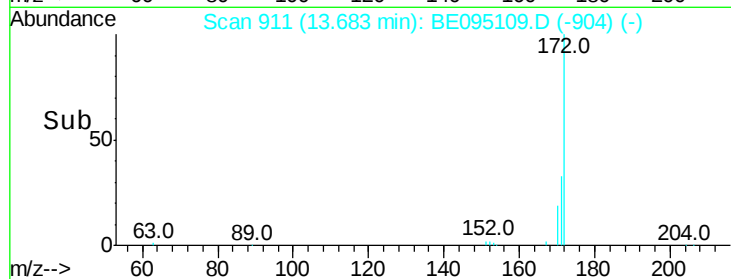
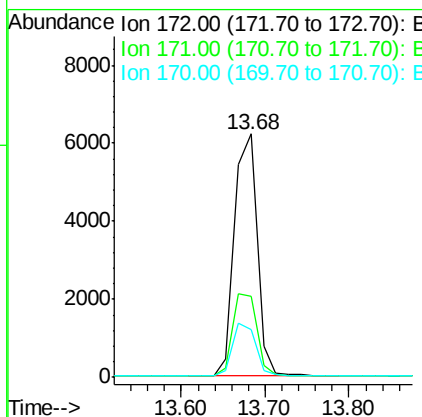
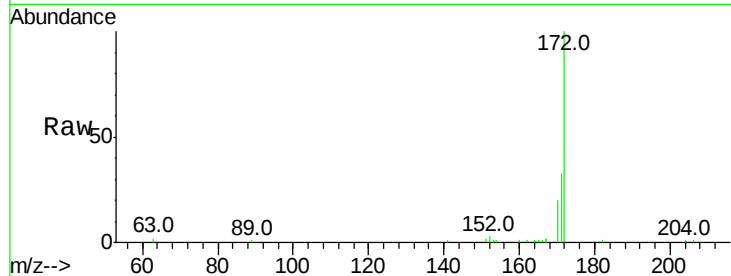




#15
 2-Fluorobiphenyl
 Concen: 0.381 ng
 RT: 13.68 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BE095109.D
 Acq: 25 Jan 2018 10:40

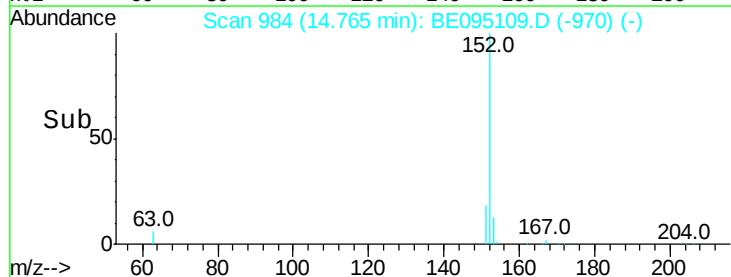
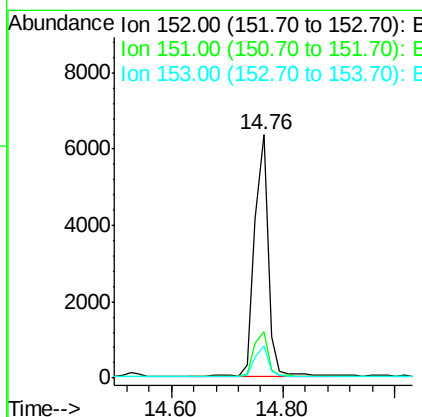
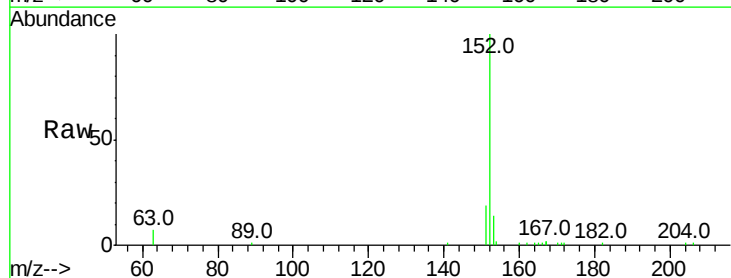
Instrument :
 BNA_E
 ClientSampleId :
 PB105932BSD

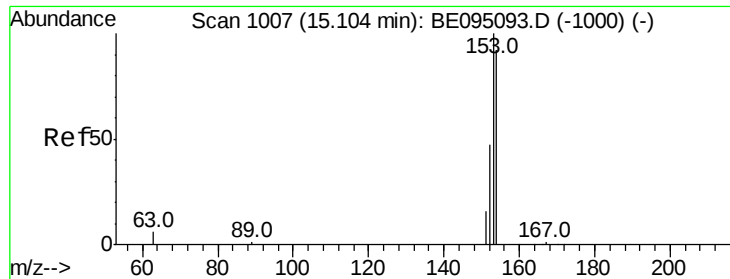
Tot Ion:172 Resp: 11505
 Ion Ratio Lower Upper
 172 100
 171 33.5 29.9 44.9
 170 19.9 21.8 32.8#



#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

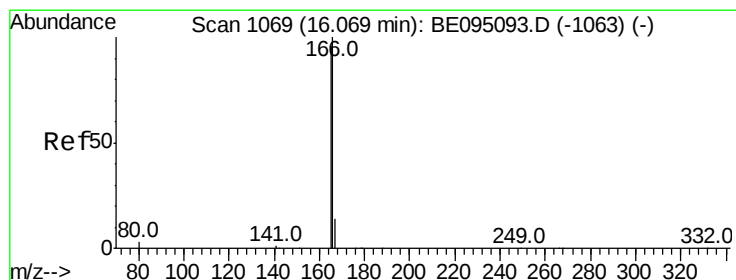
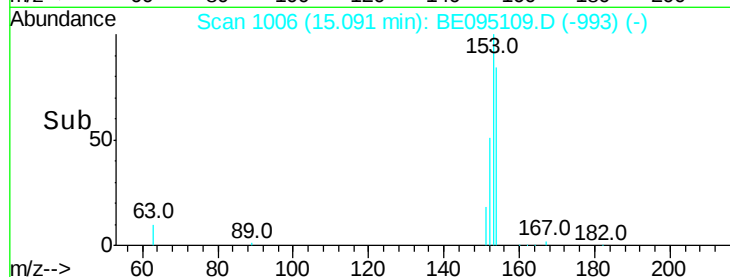
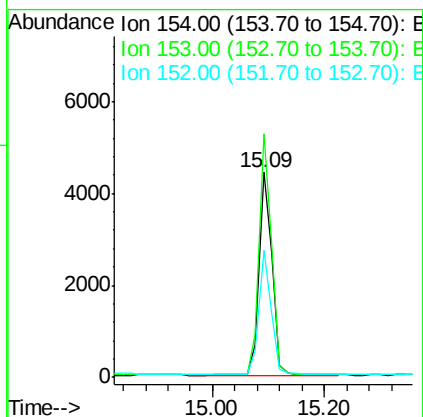
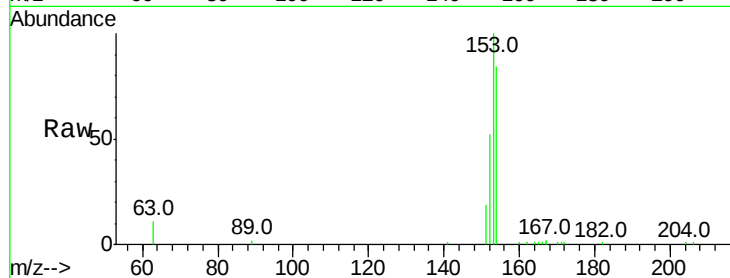




#17
Acenaphthene
Concen: 0.302 ng
RT: 15.09 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BE095109.D
Acq: 25 Jan 2018 10:40

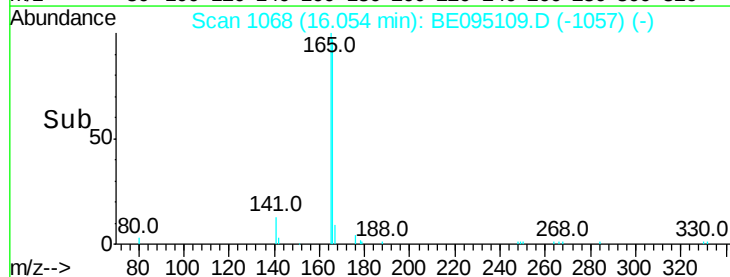
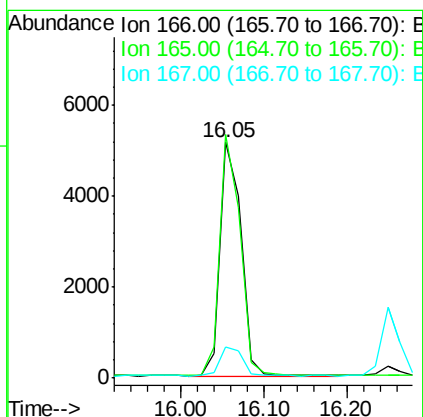
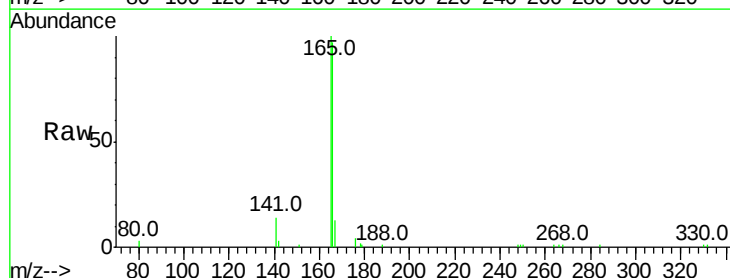
Instrument :
BNA_E
ClientSampleId :
PB105932BSD

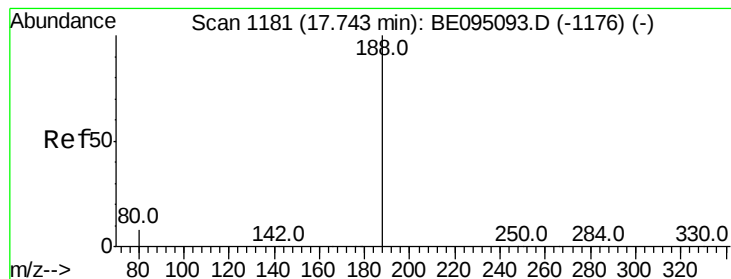
Tot Ion:154 Resp: 7228
Ion Ratio Lower Upper
154 100
153 114.7 89.2 133.8
152 58.5 42.0 63.0



#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#





#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

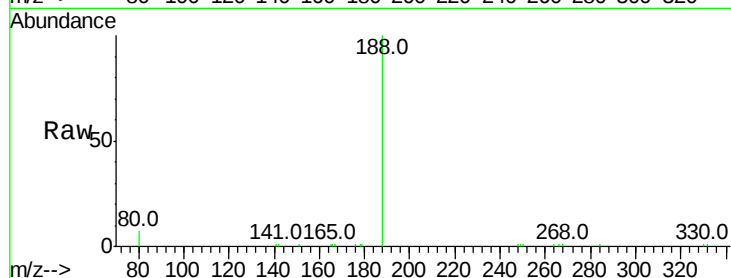
Tot Ion:188 Resp: 15541

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

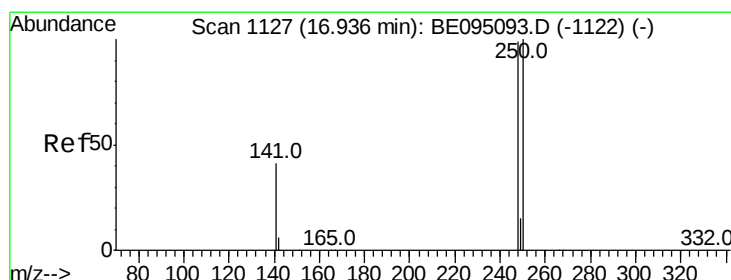
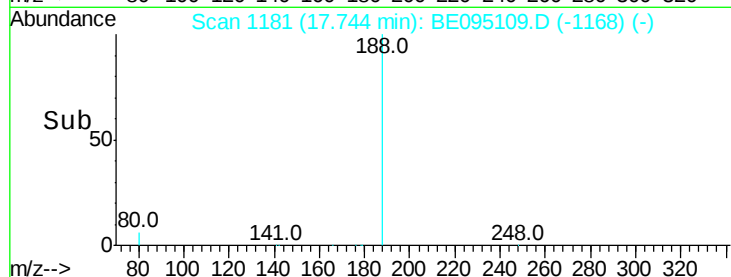
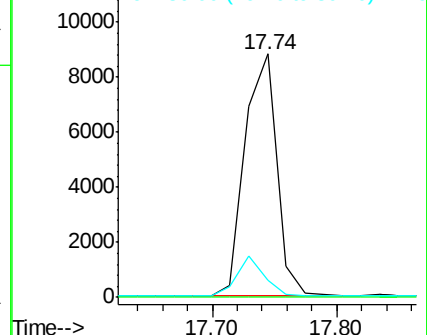
80 6.8 3.6 5.4#



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

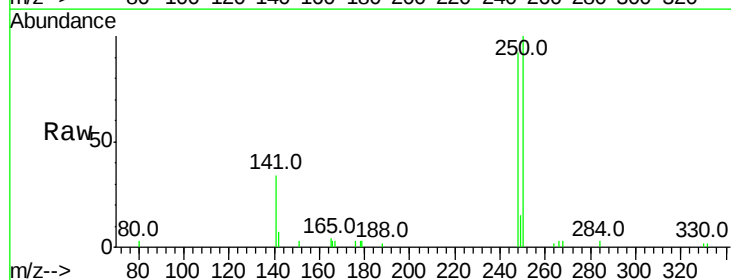
Tgt Ion:248 Resp: 2907

Ion Ratio Lower Upper

248 100

250 108.3 62.7 94.1#

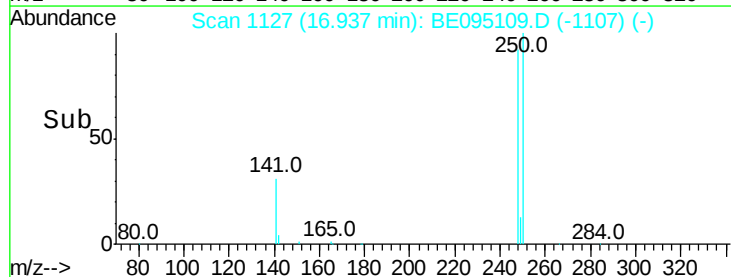
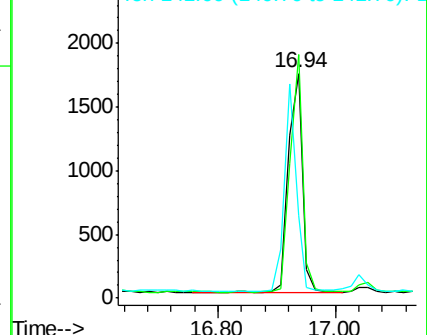
141 36.6 48.2 72.2#

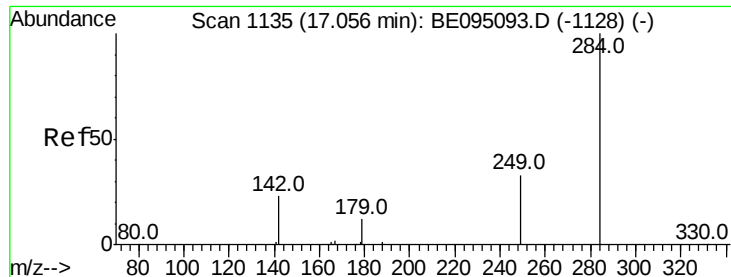


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

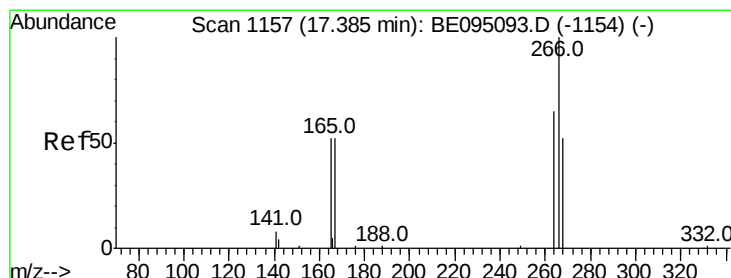
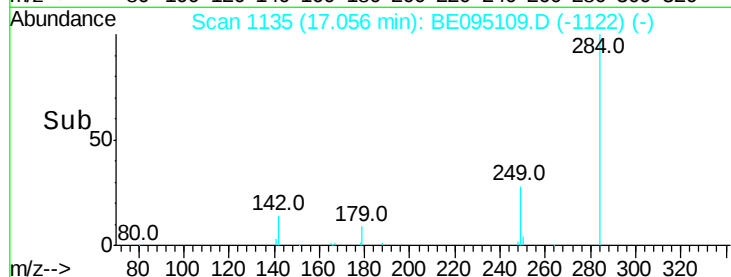
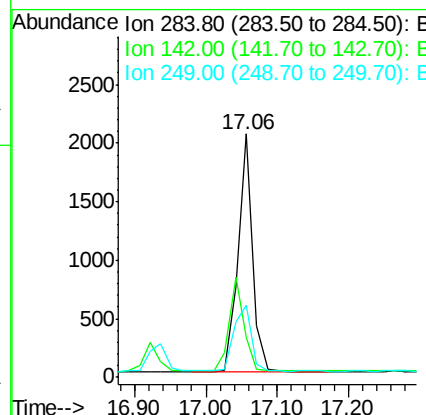
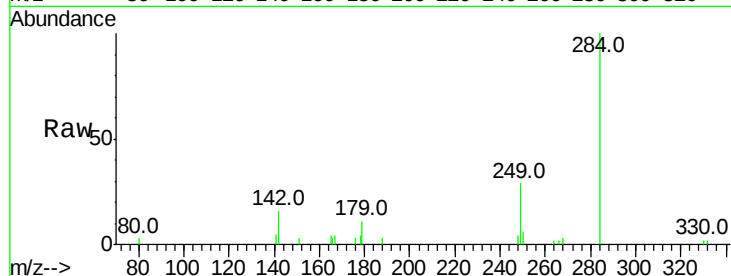




#21
Hexachlorobenzene
Concen: 0.318 ng
RT: 17.06 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BE095109.D
Acq: 25 Jan 2018 10:40

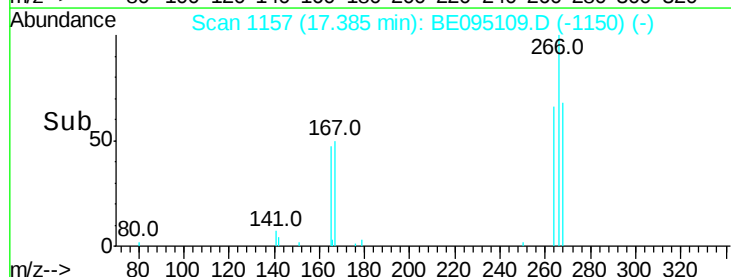
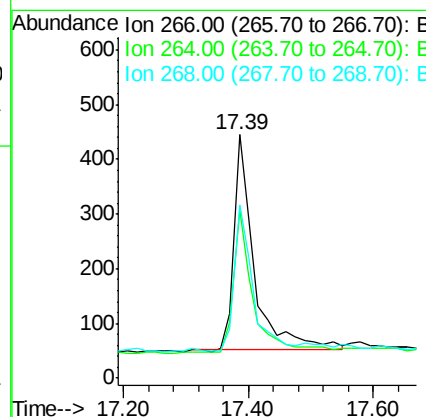
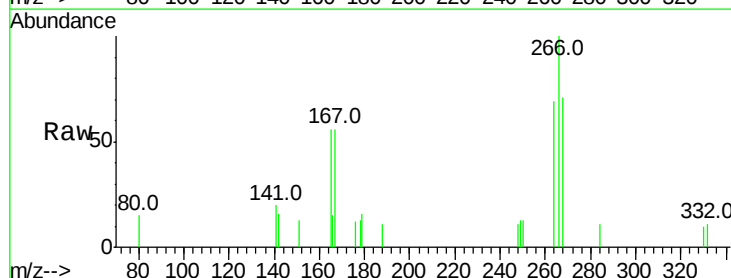
Instrument :
BNA_E
ClientSampleId :
PB105932BSD

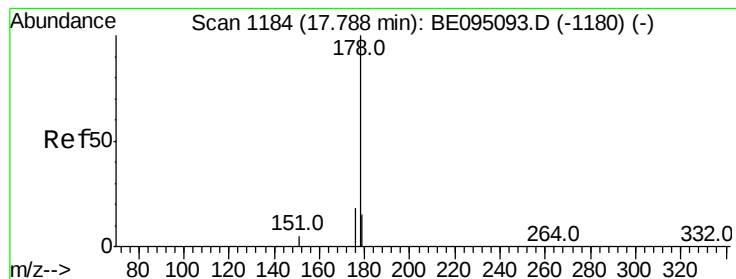
Tot Ion:284 Resp: 2920
Ion Ratio Lower Upper
284 100
142 39.1 22.1 33.1#
249 32.8 34.8 52.2#



#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#





#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

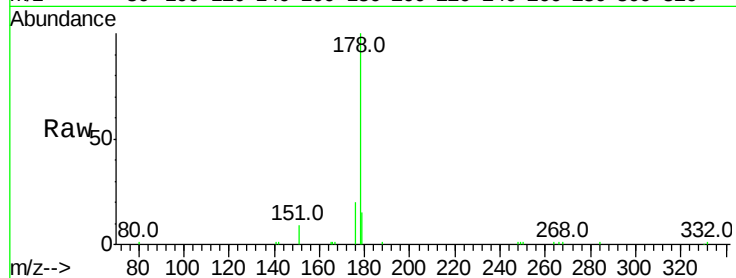
Tot Ion:178 Resp: 15419

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

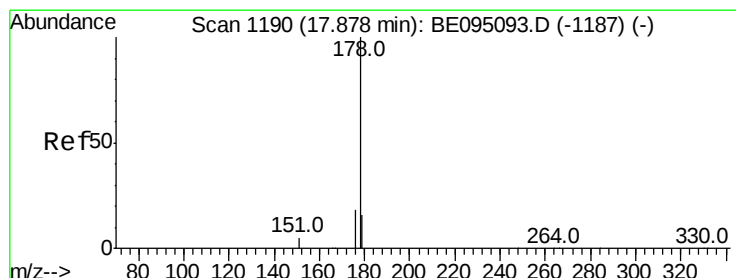
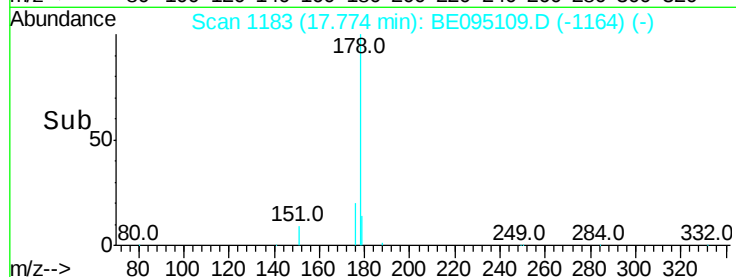
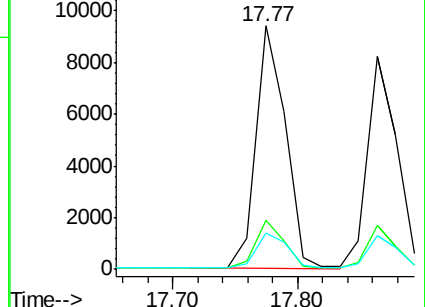
179 14.9 11.8 17.6



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

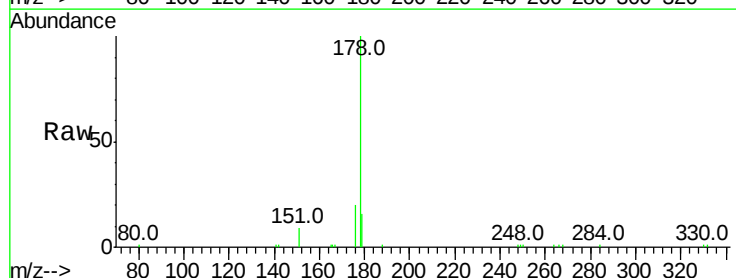
Tgt Ion:178 Resp: 13424

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

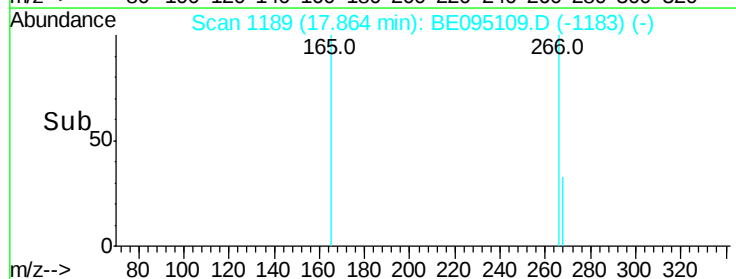
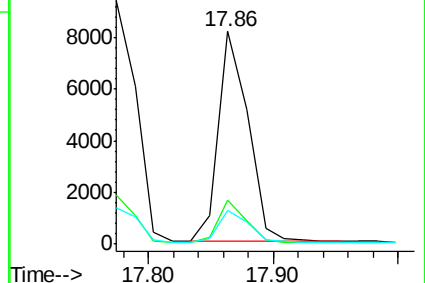
179 15.1 13.0 19.6

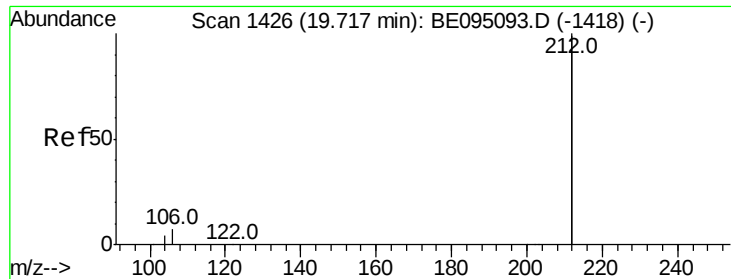


Abundance Ion 178.00 (177.70 to 178.70): E

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

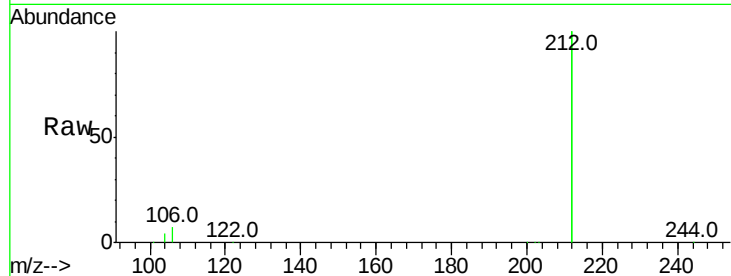
Tot Ion:212 Resp: 64287

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

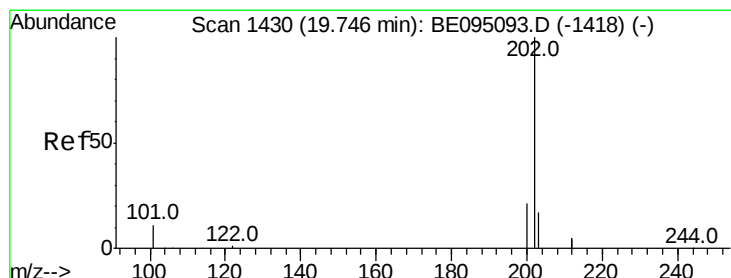
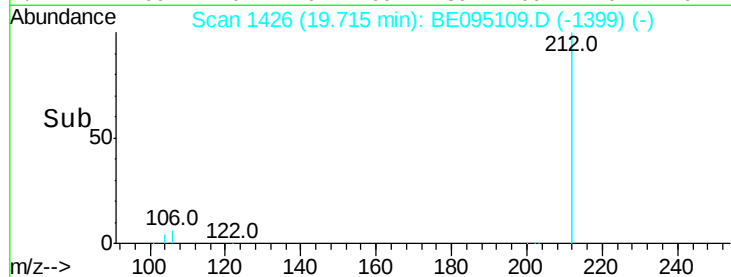
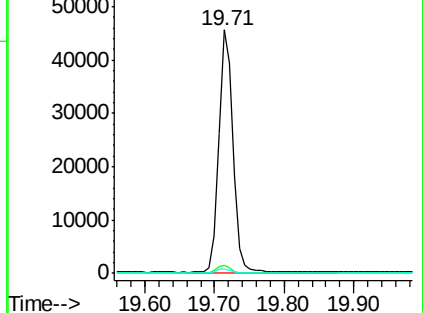
104 1.8 1.6 2.4



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

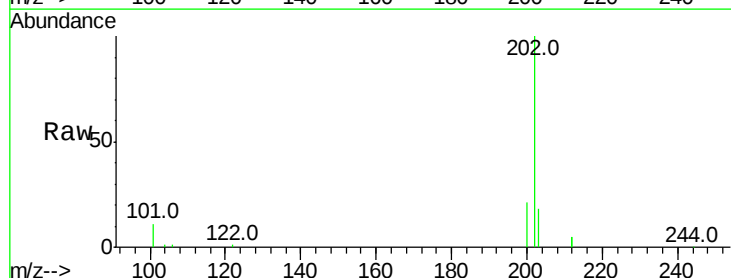
Tgt Ion:202 Resp: 18648

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

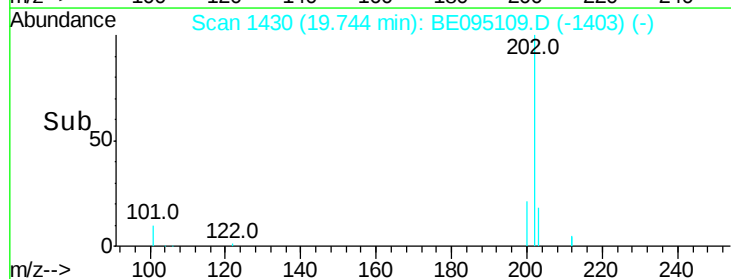
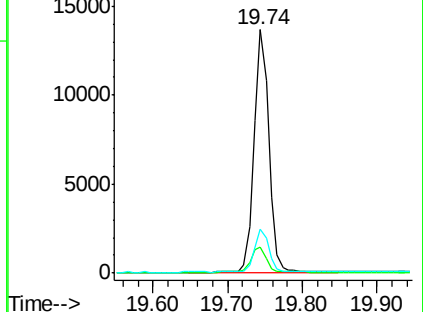
203 17.2 13.7 20.5

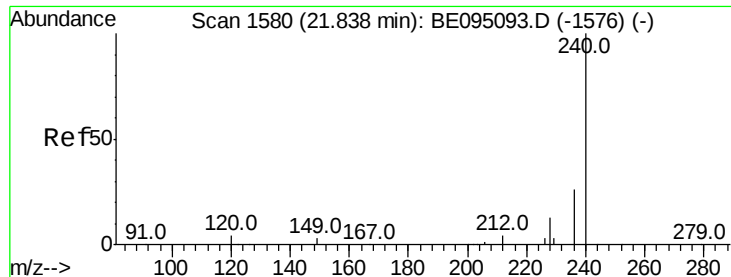


Abundance Ion 202.00 (201.70 to 202.70): E

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

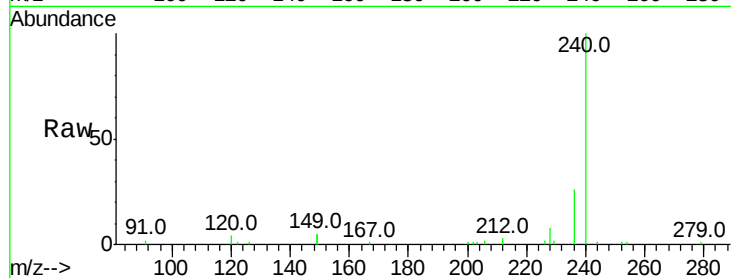
Tot Ion:240 Resp: 16710

Ion Ratio Lower Upper

240 100

120 3.8 5.5 8.3#

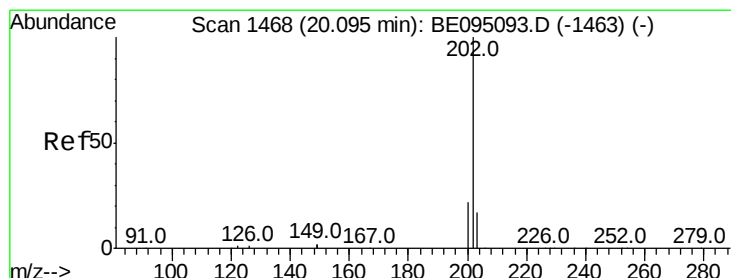
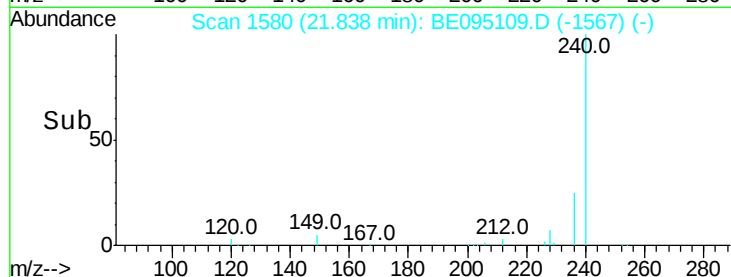
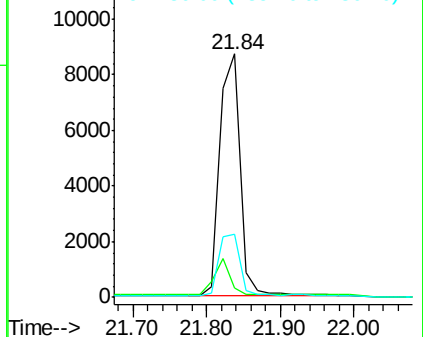
236 25.7 20.7 31.1



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

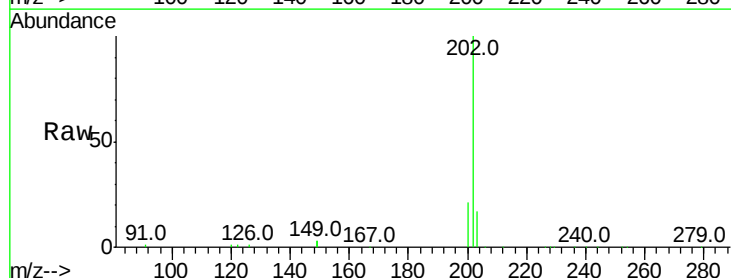
Tgt Ion:202 Resp: 20325

Ion Ratio Lower Upper

202 100

200 22.6 16.6 25.0

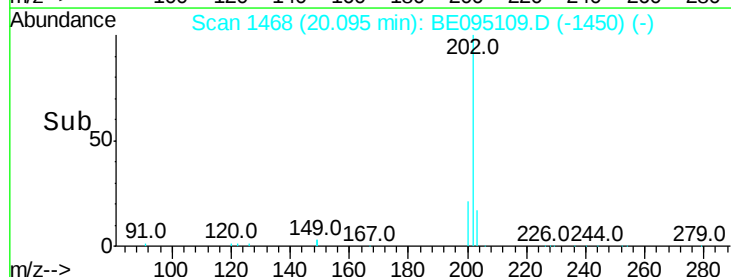
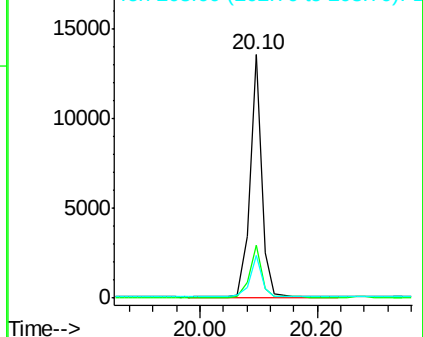
203 17.7 13.8 20.8

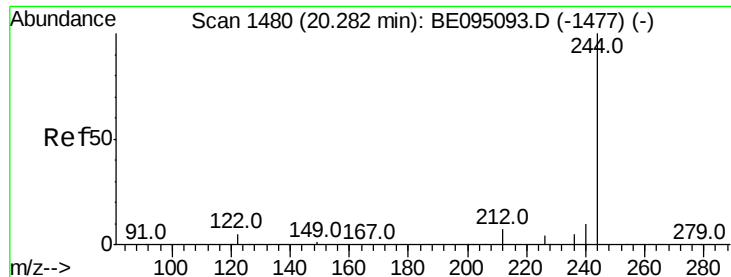


Abundance Ion 202.00 (201.70 to 202.70): E

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

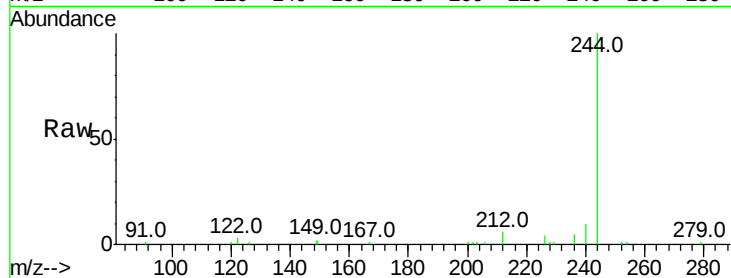
Tot Ion:244 Resp: 12432

Ion Ratio Lower Upper

244 100

212 6.1 25.4 38.0#

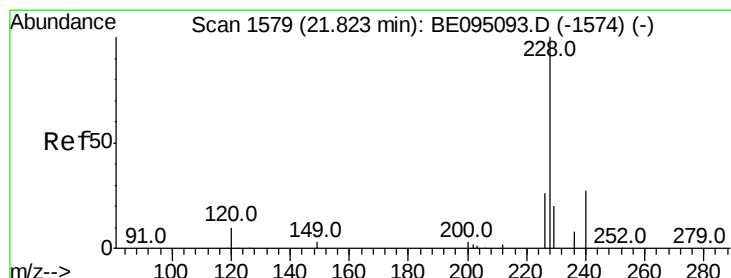
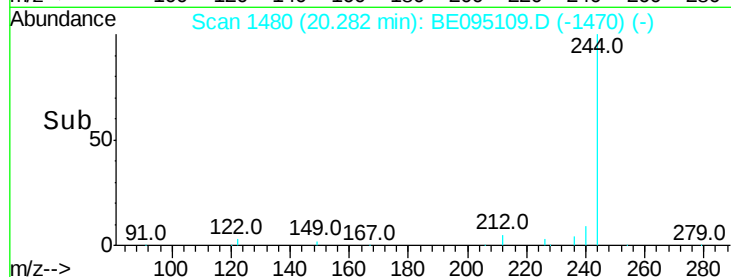
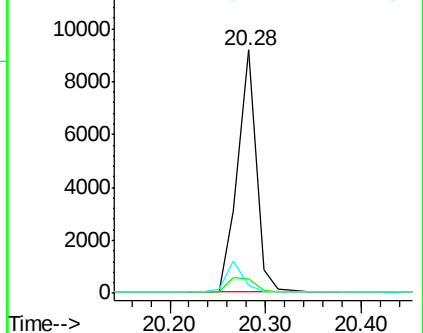
122 3.4 8.1 12.1#



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

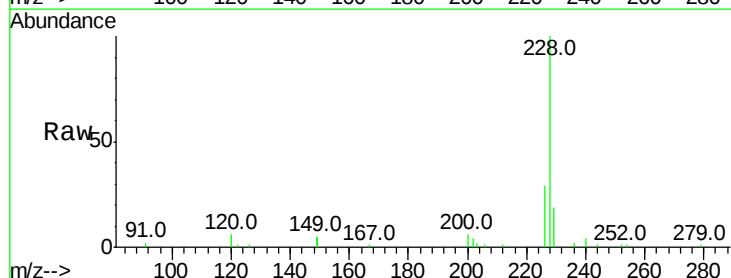
Tgt Ion:228 Resp: 15742

Ion Ratio Lower Upper

228 100

226 28.6 24.0 36.0

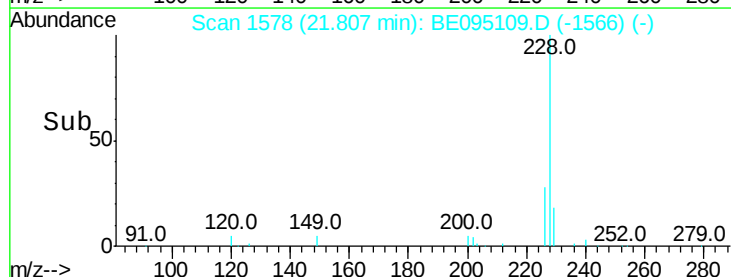
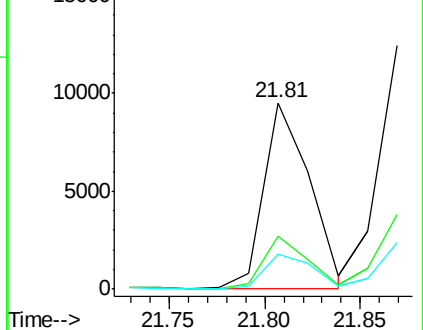
229 18.6 16.0 24.0

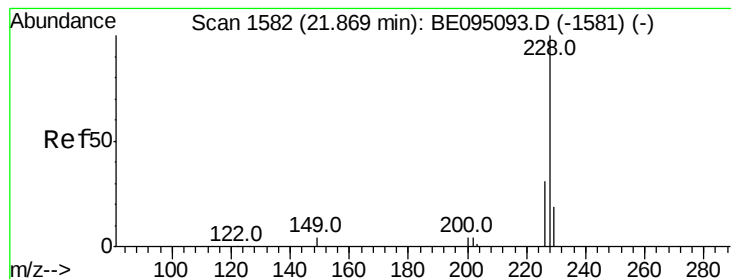


Abundance Ion 228.00 (227.70 to 228.70): E

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

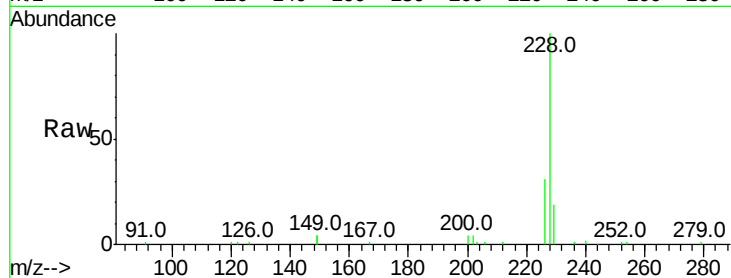
Tot Ion:228 Resp: 17536

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

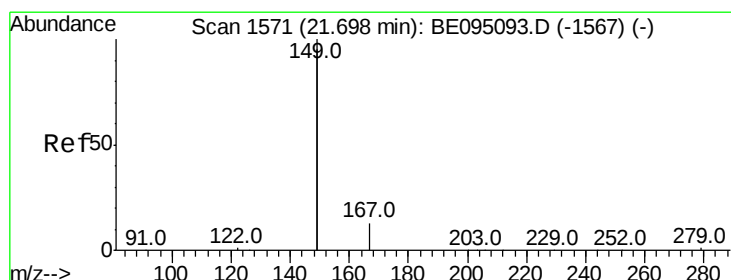
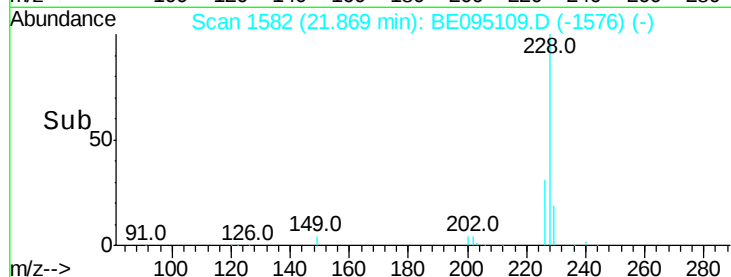
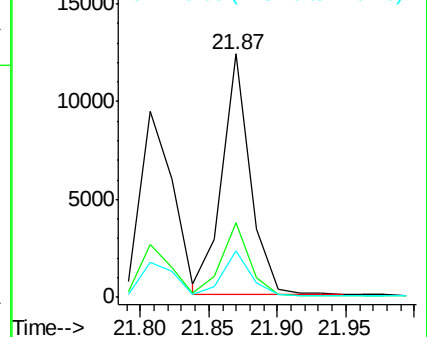
229 18.9 16.0 24.0



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

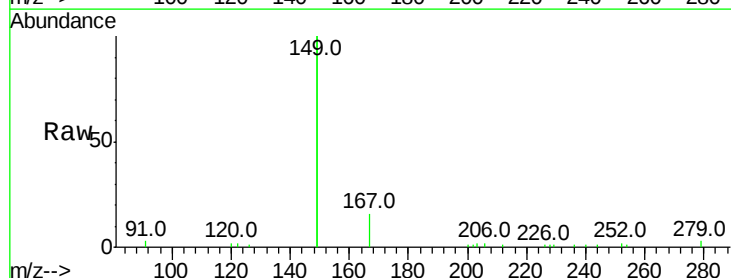
Tgt Ion:149 Resp: 16941

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

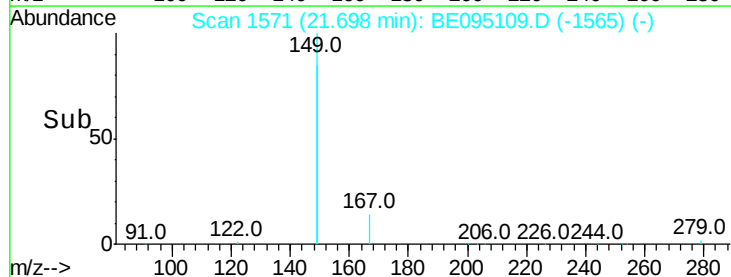
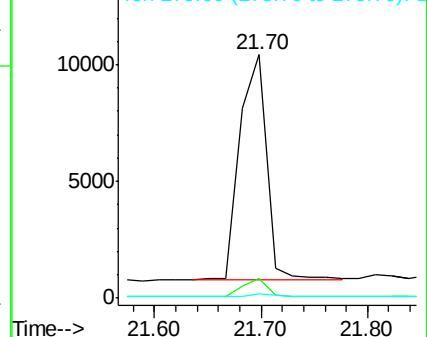
279 1.2 0.7 1.1#

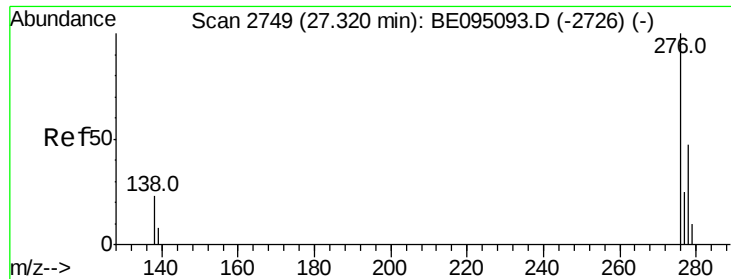


Abundance Ion 149.00 (148.70 to 149.70): E

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

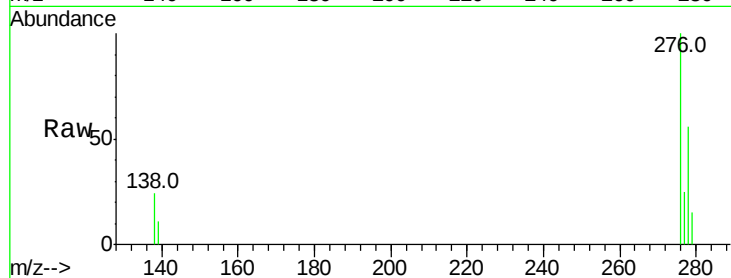
Tot Ion:276 Resp: 13462

Ion Ratio Lower Upper

276 100

138 24.6 22.5 33.7

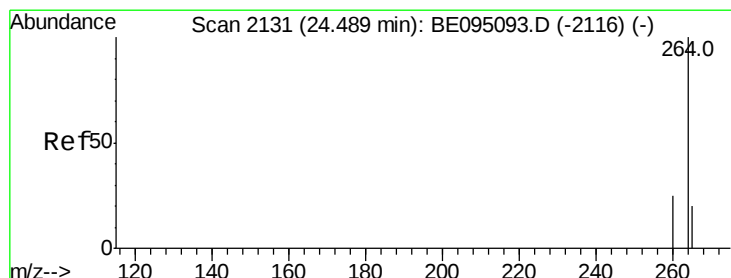
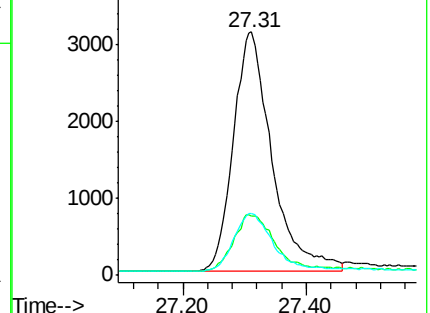
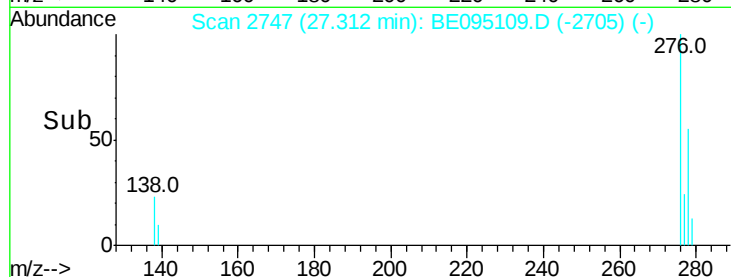
277 25.3 19.9 29.9



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

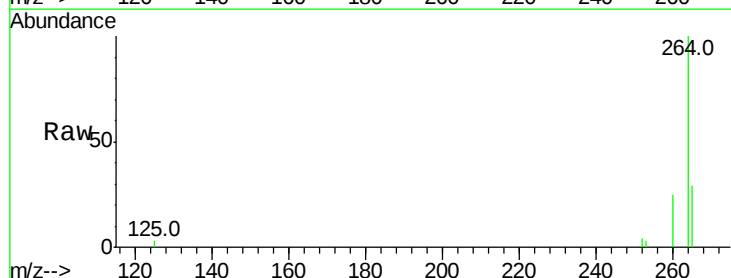
Tgt Ion:264 Resp: 13603

Ion Ratio Lower Upper

264 100

260 24.8 20.5 30.7

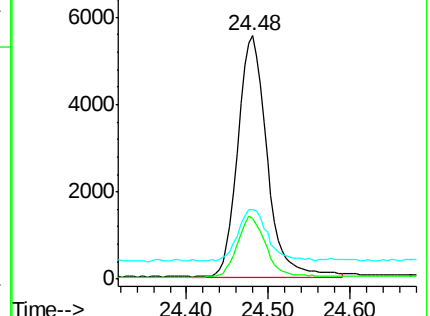
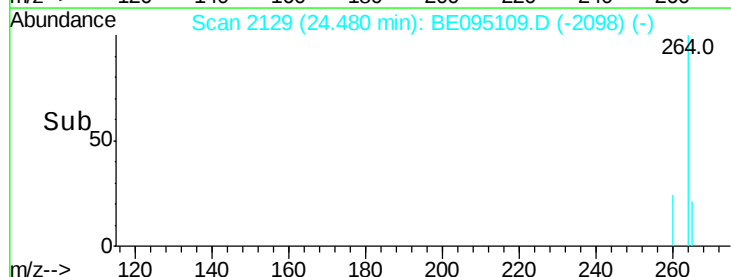
265 28.8 22.8 34.2

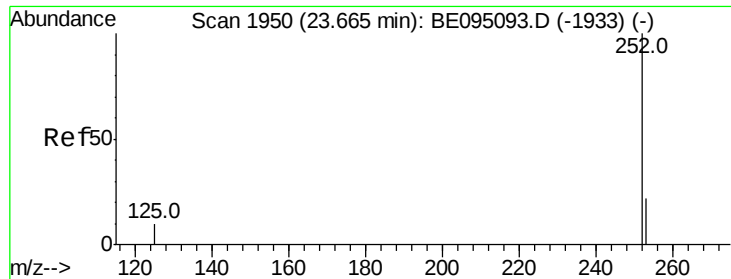


Abundance Ion 264.00 (263.70 to 264.70): E

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

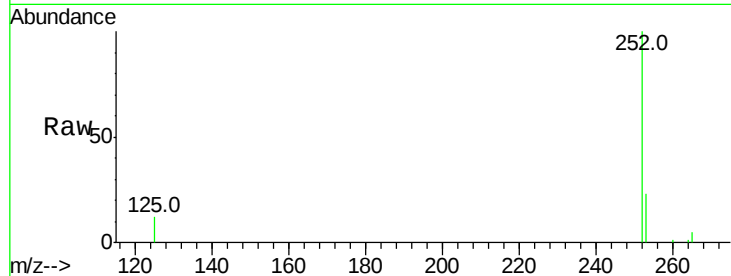
Tot Ion:252 Resp: 15315

Ion Ratio Lower Upper

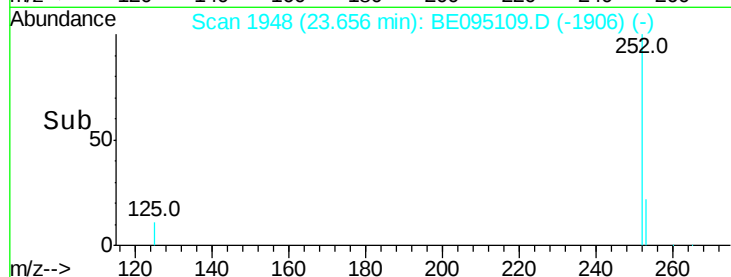
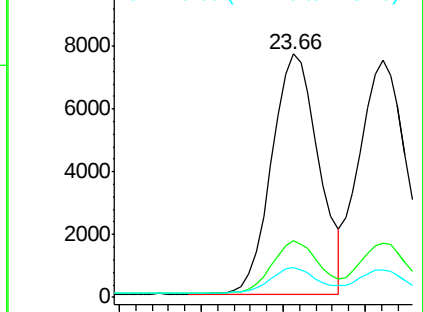
252 100

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

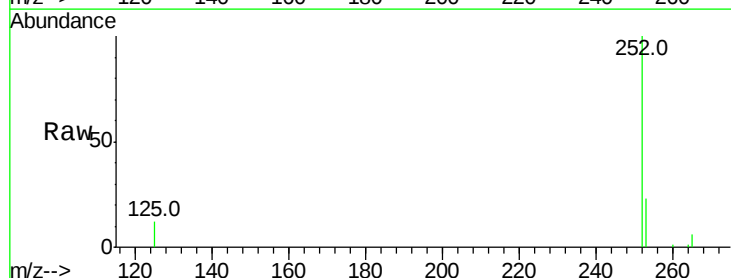
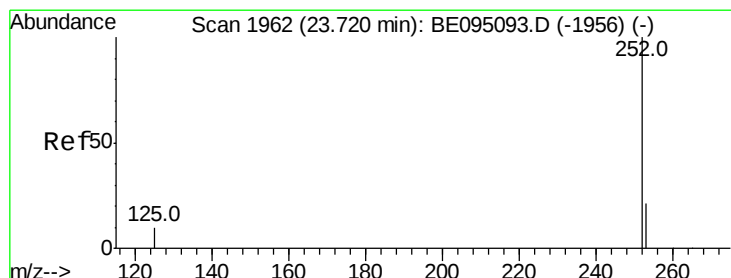
Tgt Ion:252 Resp: 15198

Ion Ratio Lower Upper

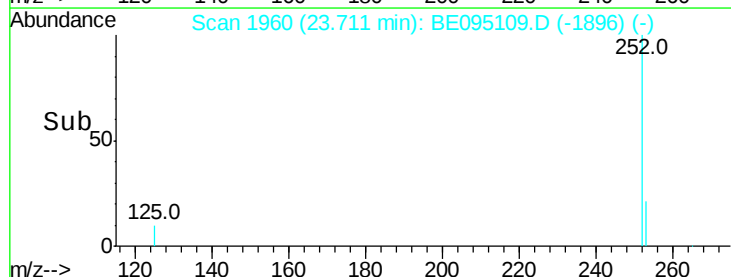
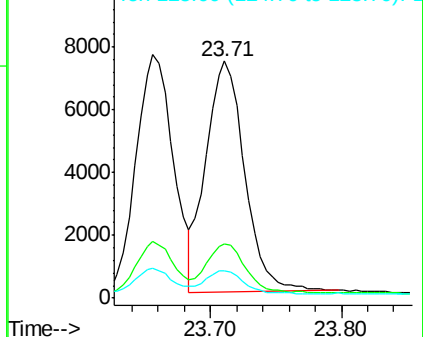
252 100

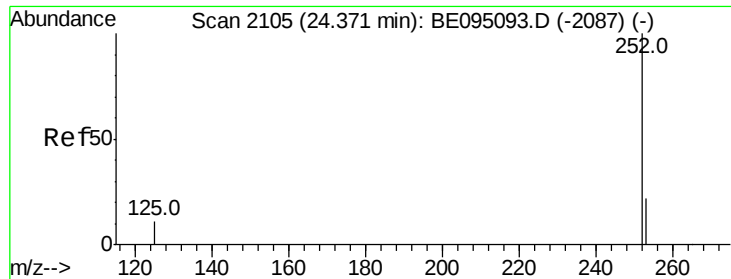
253 23.0 16.0 24.0

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

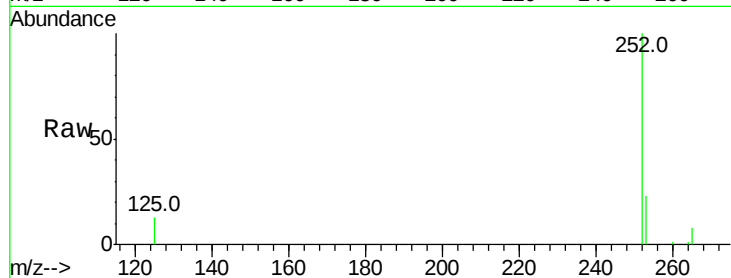
Tot Ion:252 Resp: 13645

Ion Ratio Lower Upper

252 100

253 22.9 16.0 24.0

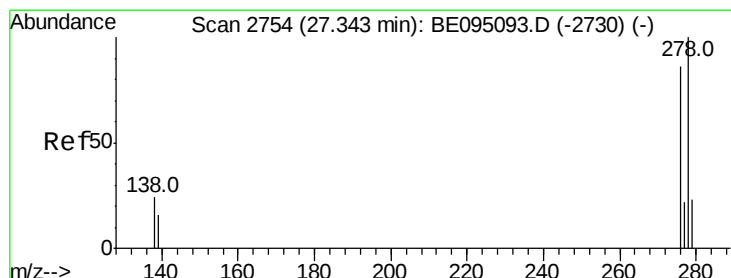
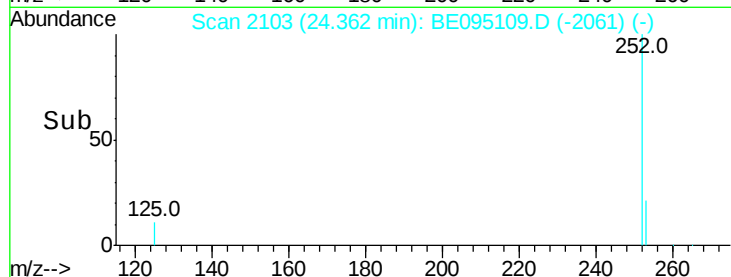
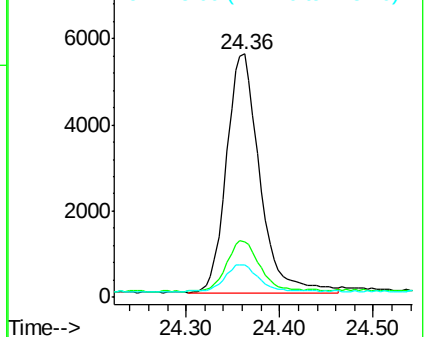
125 13.1 12.0 18.0



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: 0.275 ng

RT: 27.33 min Scan# 2752

Delta R.T. -0.01 min

Lab File: BE095109.D

Acq: 25 Jan 2018 10:40

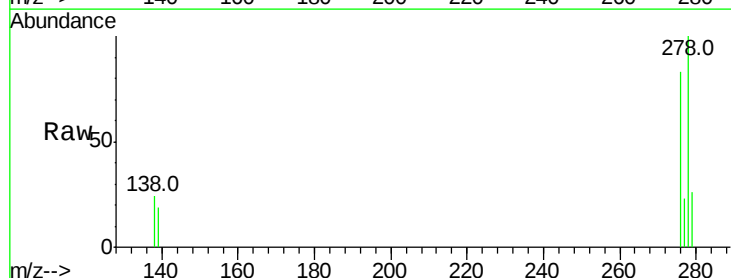
Tgt Ion:278 Resp: 10242

Ion Ratio Lower Upper

278 100

139 19.4 16.0 24.0

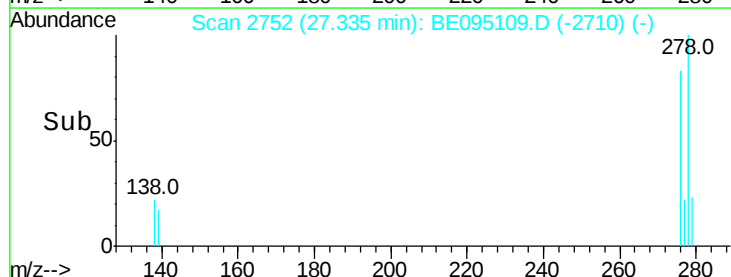
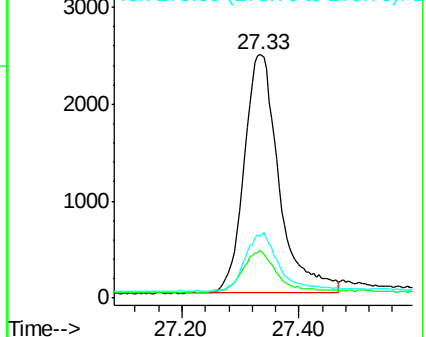
279 25.5 20.0 30.0

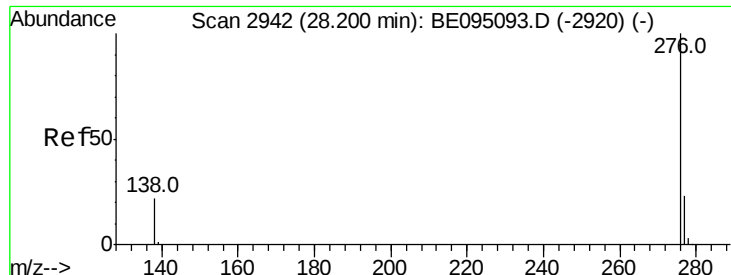


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.319 ng

RT: 28.19 min Scan# 2939

Delta R.T. -0.01 min

Lab File: BE095109.D

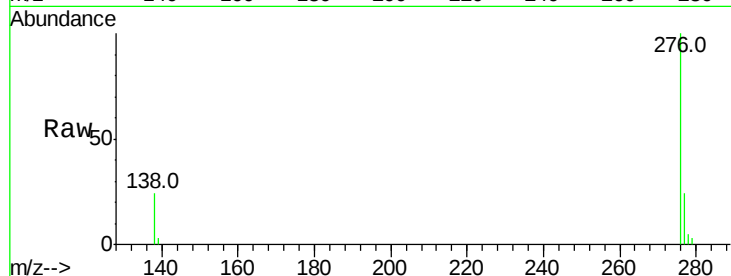
Acq: 25 Jan 2018 10:40

Instrument :

BNA_E

ClientSampleId :

PB105932BSD



Tot Ion:276 Resp: 12895

Ion Ratio Lower Upper

276 100

277 24.1 16.0 24.0#

138 24.3 20.0 30.0

