

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
 Data File : BE093659.D
 Acq On : 3 Aug 2017 16:24
 Operator : SJ/JU
 Sample : I4425-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 04 04:13:35 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	2743	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	13753	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	9375	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	22006	0.40	ng	0.00
27) Chrysene-d12	21.40	240	21968	0.40	ng	-0.01
34) Perylene-d12	23.91	264	19782	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	652	0.08	ng	0.00
5) Phenol-d6	7.10	99	882	0.07	ng	0.00
8) Nitrobenzene-d5	9.06	82	1661	0.16	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	1245	0.06	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	117	0.15	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	1635	0.04	ng	-0.02
25) Fluoranthene-d10	19.27	212	11535	0.05	ng	0.00
29) Terphenyl-d14	19.86	244	2232	0.06	ng	0.00

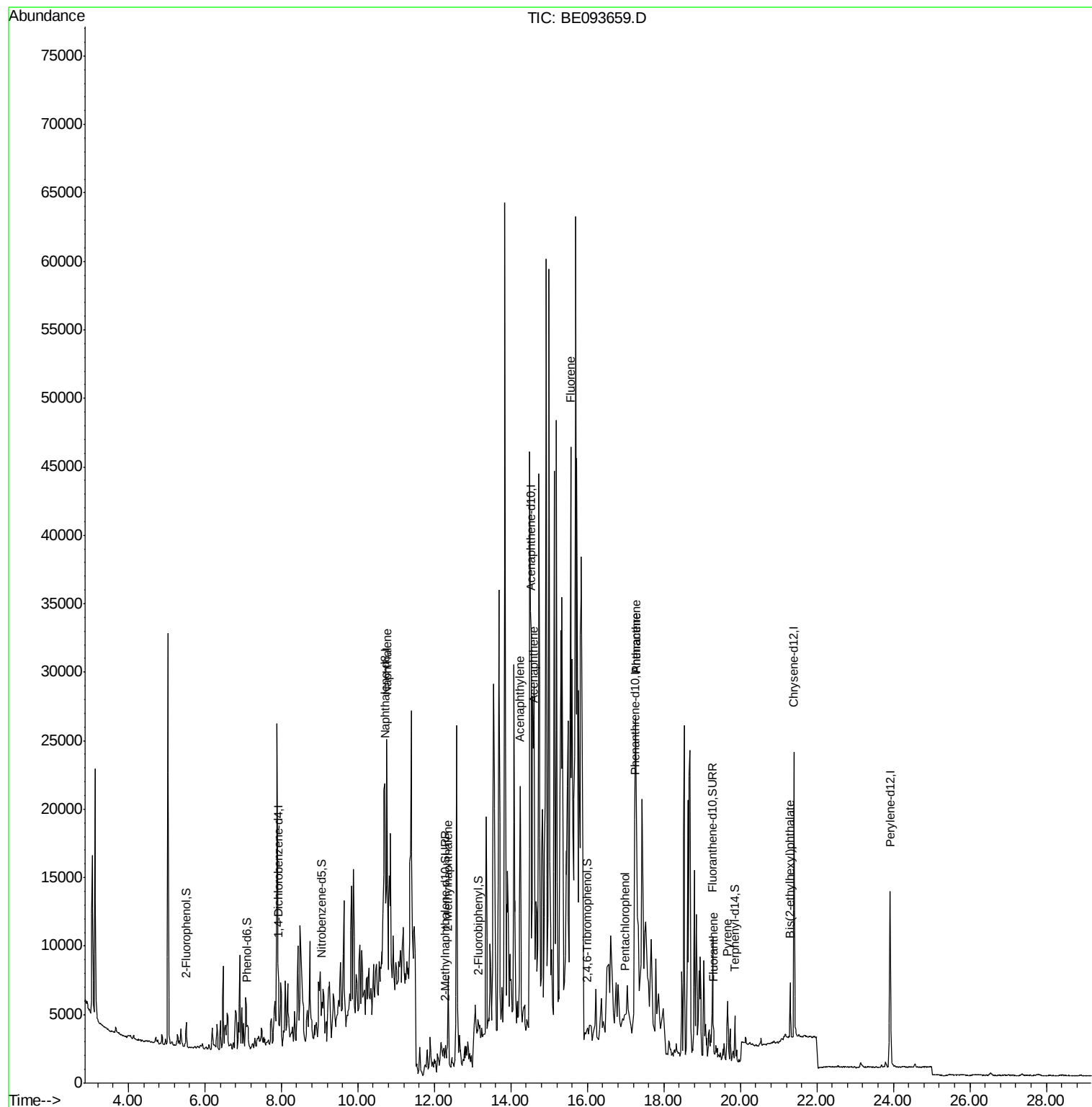
Target Compounds				Qvalue		
9) Naphthalene	10.76	128	33447	0.210	ng	# 94
12) 2-Methylnaphthalene	12.36	142	4973	0.189	ng	# 93
16) Acenaphthylene	14.24	152	3099	0.069	ng	# 1
17) Acenaphthene	14.58	154	7663	0.242	ng	# 50
18) Fluorene	15.56	166	15461	0.366	ng	# 19
20) 4-Bromophenyl-phenylether	16.45	248	18	Below Cal		# 1
21) Hexachlorobenzene	16.52	284	12	Below Cal		# 100
22) Pentachlorophenol	16.97	266	96	0.173	ng	# 66
23) Phenanthrene	17.27	178	49331	1.019	ng	# 81
24) Anthracene	17.27	178	45272	0.684	ng	# 78
26) Fluoranthene	19.30	202	1990	0.026	ng	# 85
28) Pyrene	19.67	202	5232	0.074	ng	# 61
32) Bis(2-ethylhexyl)phthalate	21.30	149	4571	0.052	ng	# 96

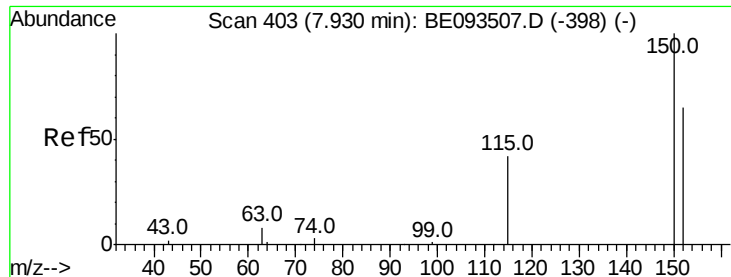
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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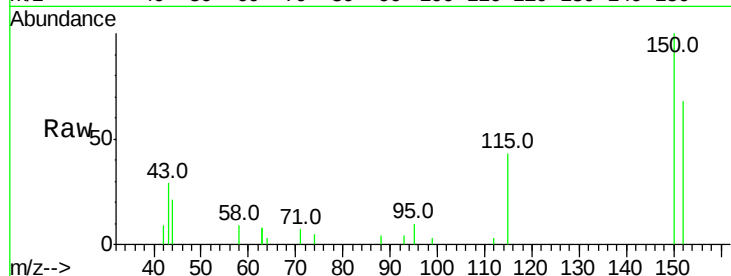


#1

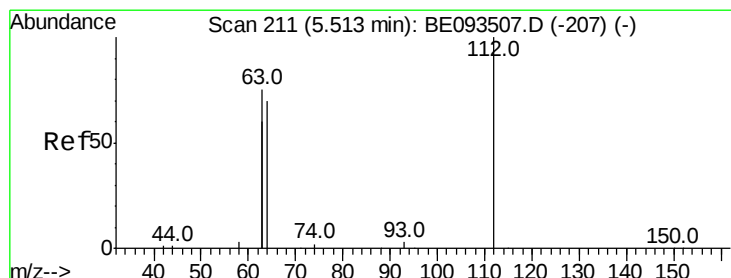
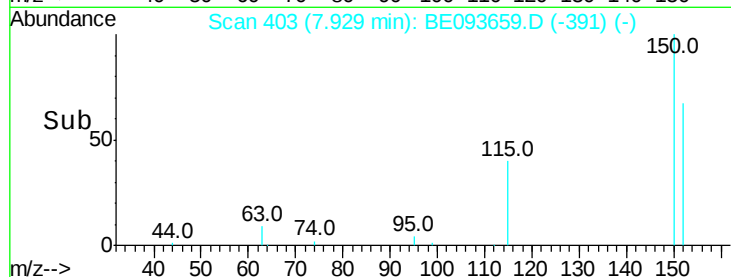
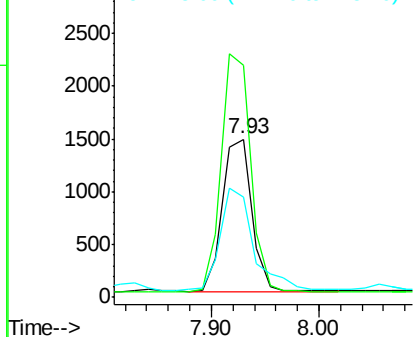
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.93 min Scan# 403
Delta R.T. -0.00 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2743
Ion Ratio Lower Upper
152 100
150 147.0 125.1 187.7
115 63.5 55.7 83.5



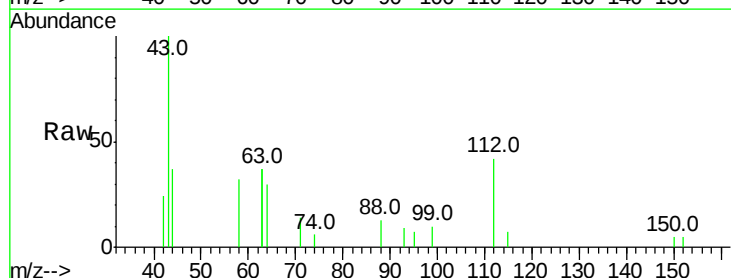
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



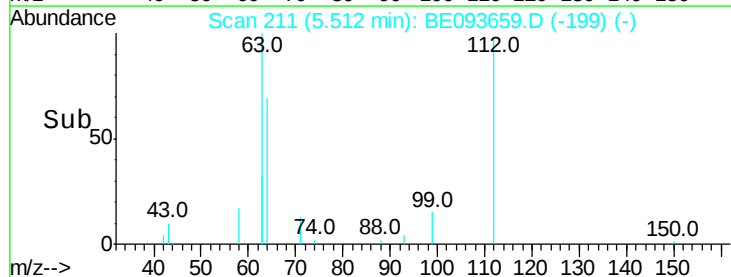
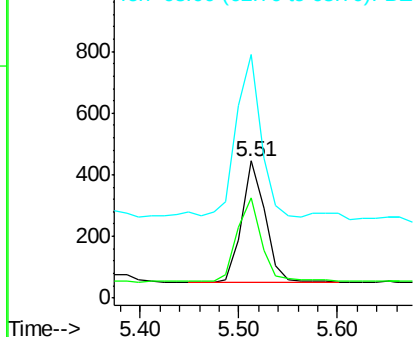
#4

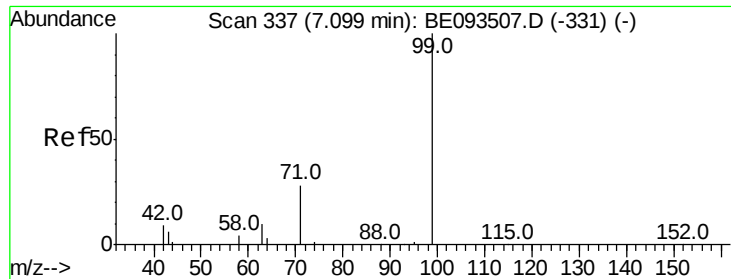
2-Fluorophenol
Concen: 0.080 ng
RT: 5.51 min Scan# 211
Delta R.T. -0.00 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

Tgt Ion:112 Resp: 652
Ion Ratio Lower Upper
112 100
64 71.5 56.4 84.6
63 144.6 29.3 43.9#



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: 0.072 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampleId :

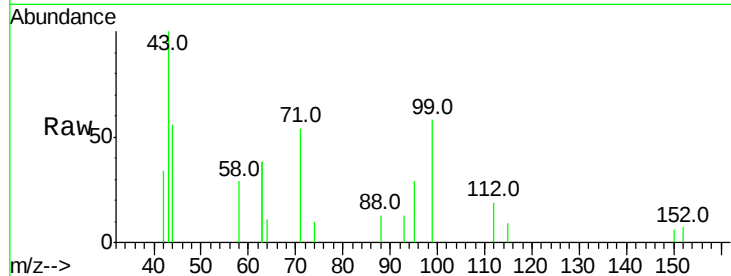
Tot Ion: 99 Resp: 882

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

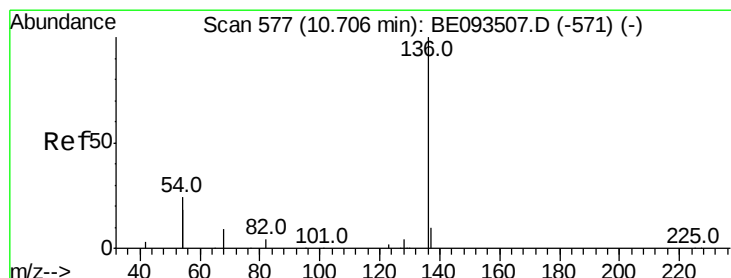
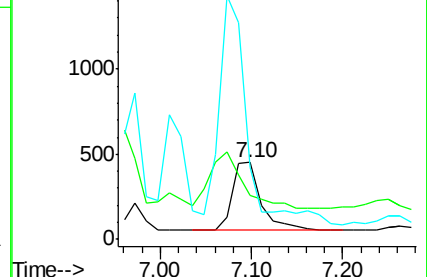
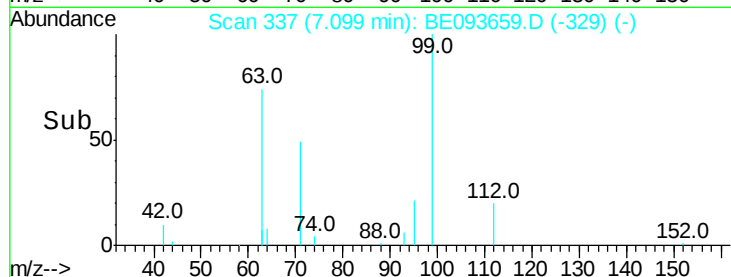
71 0.0 0.0 0.0



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Tgt Ion: 136 Resp: 13753

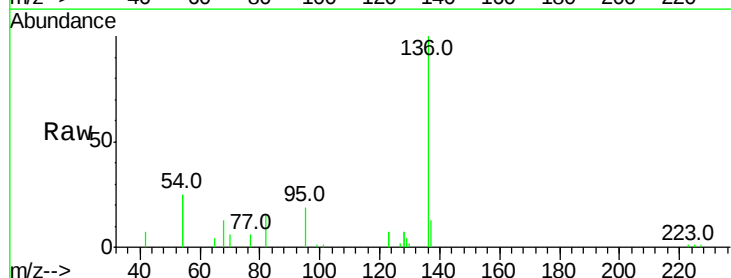
Ion Ratio Lower Upper

136 100

137 13.0 9.8 14.8

54 49.3 10.3 15.5#

68 13.1 9.0 13.4

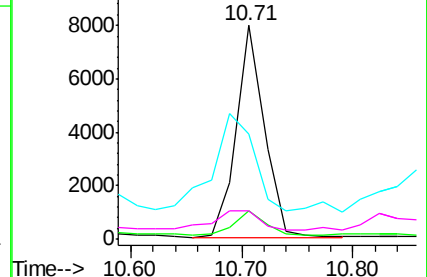
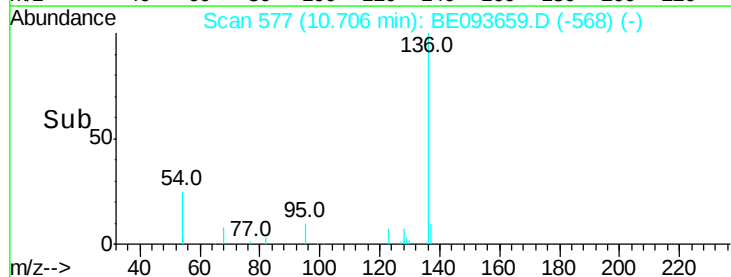


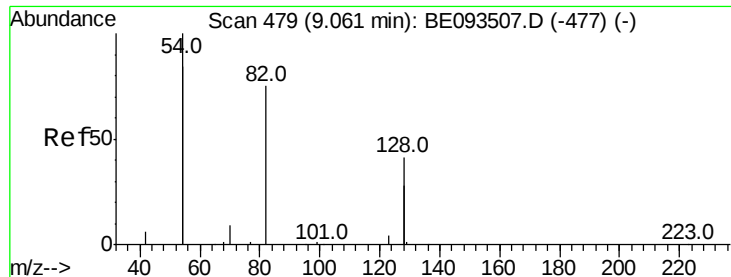
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.158 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampled :

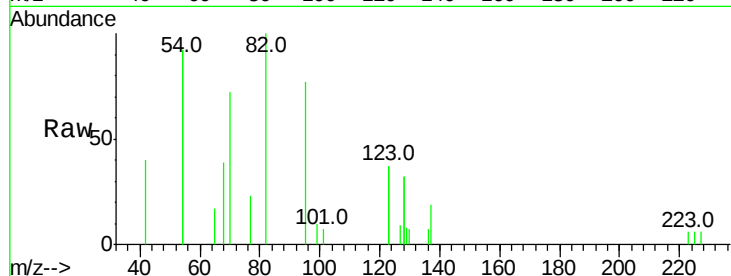
Tot Ion: 82 Resp: 1661

Ion Ratio Lower Upper

82 100

128 64.4 17.0 25.4#

54 184.7 53.8 80.6#

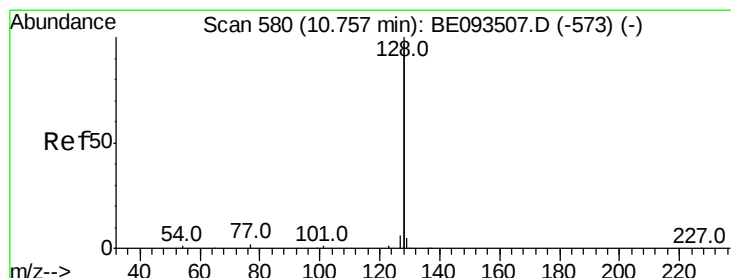
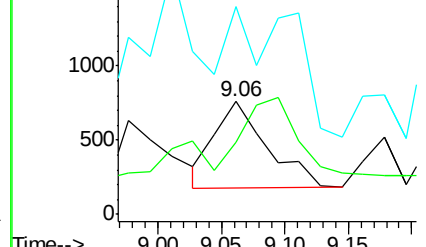
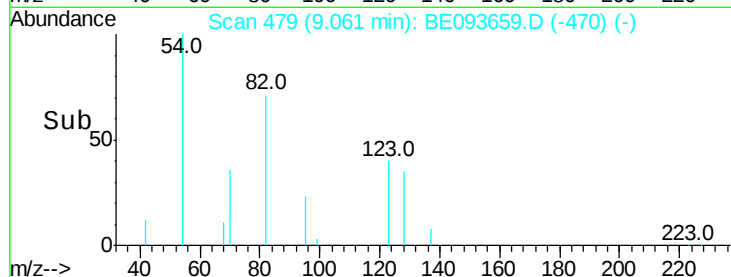


Abundance Ion 82.00 (81.70 to 82.70): BE093507.D (-477) (-)

Ion 128.00 (127.70 to 128.70): BE093507.D (-477) (-)

Ion 54.00 (53.70 to 54.70): BE093507.D (-477) (-)

Time-->



#9

Naphthalene

Concen: 0.210 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

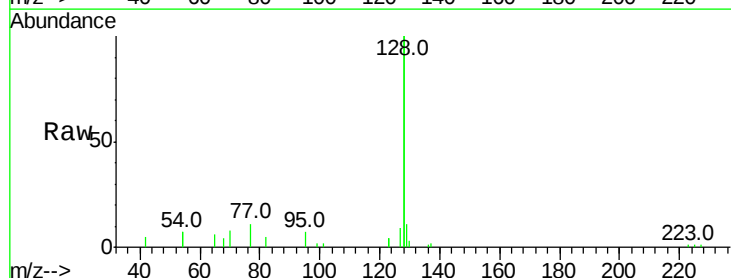
Tgt Ion: 128 Resp: 33447

Ion Ratio Lower Upper

128 100

129 5.5 2.4 3.6#

127 4.5 2.4 3.6#

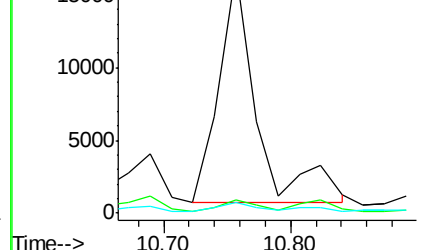
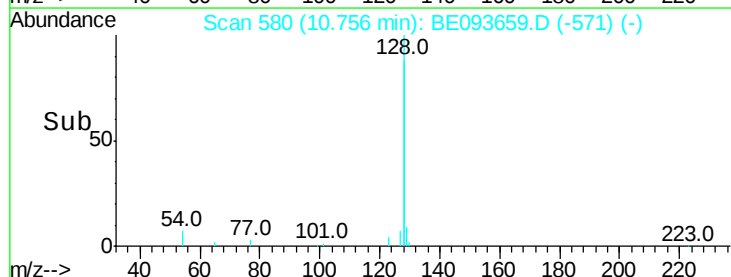


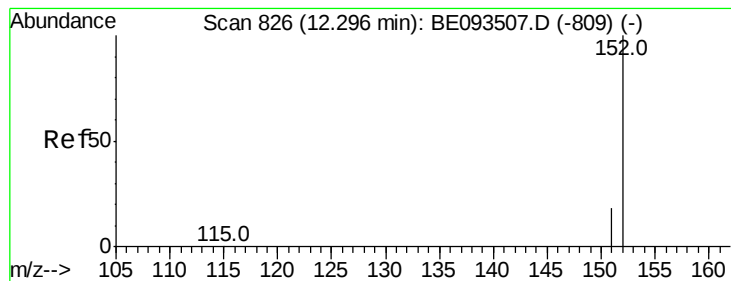
Abundance Ion 128.00 (127.70 to 128.70): BE093507.D (-573) (-)

Ion 129.00 (128.70 to 129.70): BE093507.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE093507.D (-573) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.057 ng

RT: 12.29 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

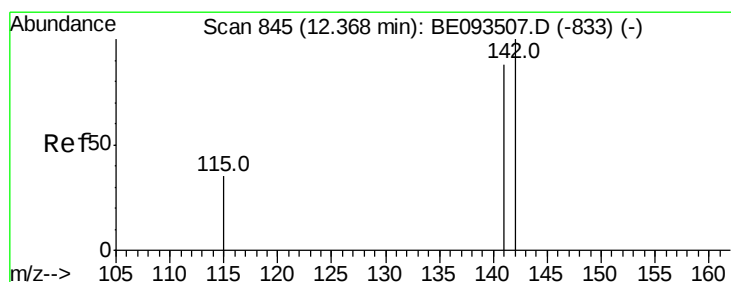
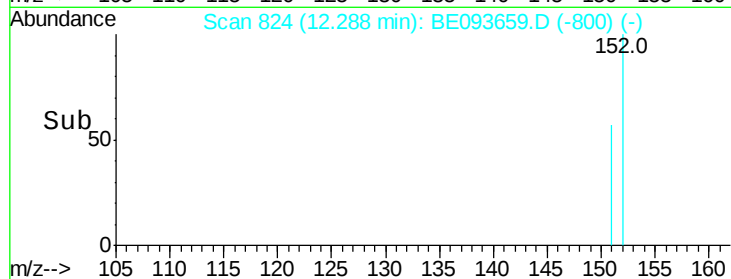
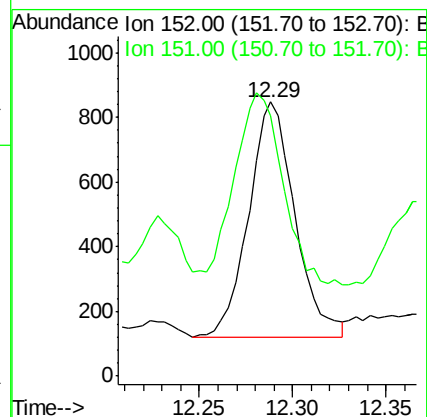
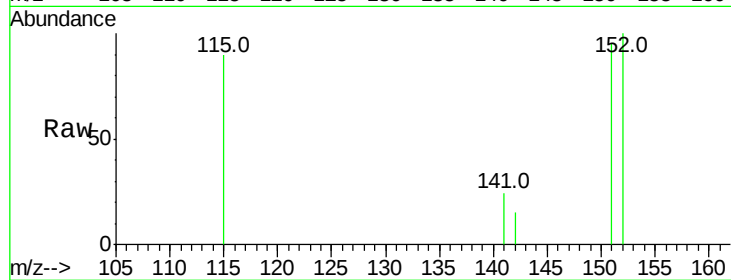
ClientSampleId :

Tot Ion:152 Resp: 1245

Ion Ratio Lower Upper

152 100

151 85.0 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 0.189 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.01 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

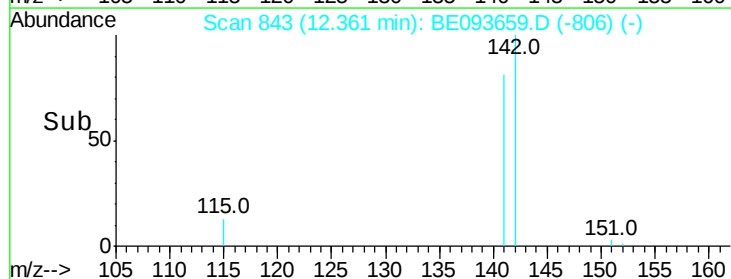
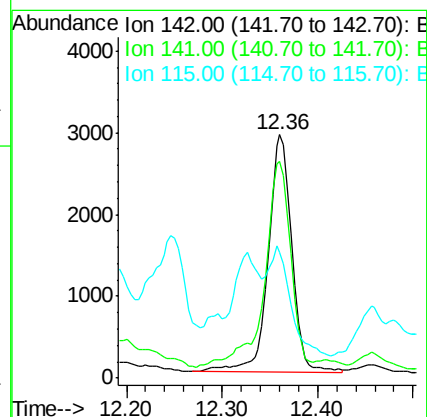
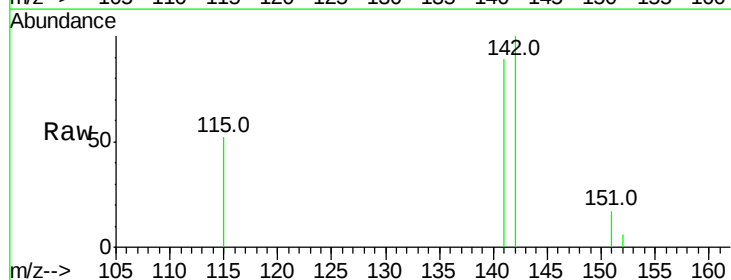
Tgt Ion:142 Resp: 4973

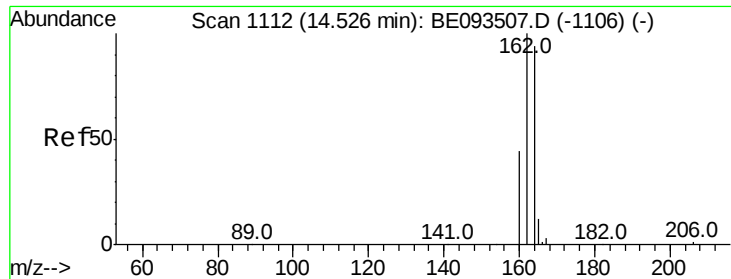
Ion Ratio Lower Upper

142 100

141 88.8 72.6 108.8

115 51.7 32.2 48.2#

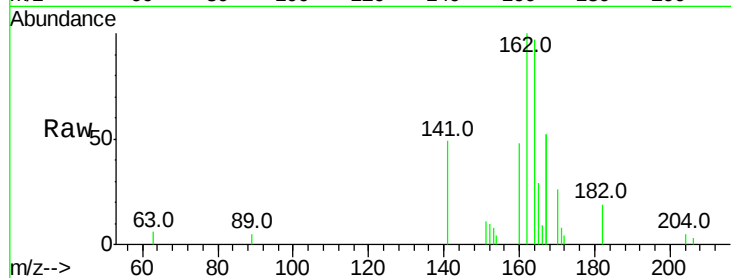




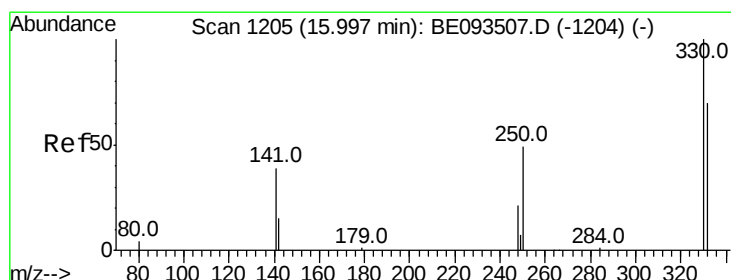
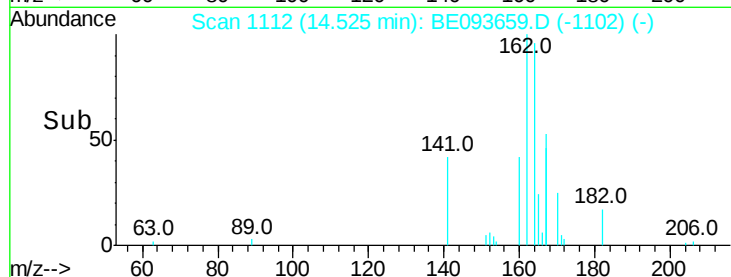
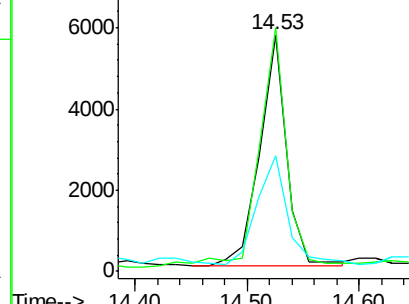
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: BE093659.D
 Acq: 3 Aug 2017 16:24

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 9375
 Ion Ratio Lower Upper
 164 100
 162 103.1 84.6 127.0
 160 49.1 41.8 62.6

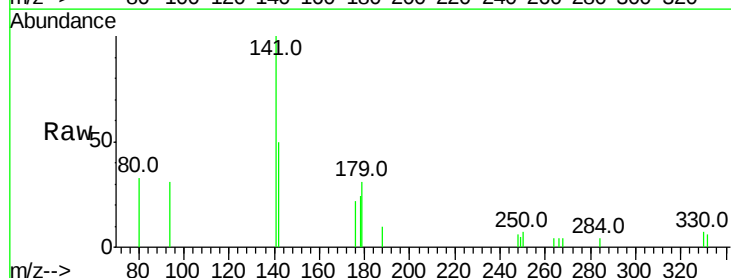


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

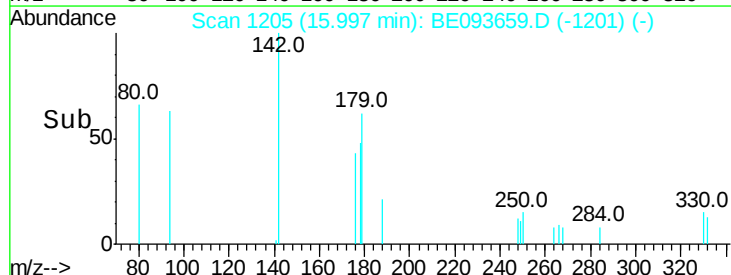
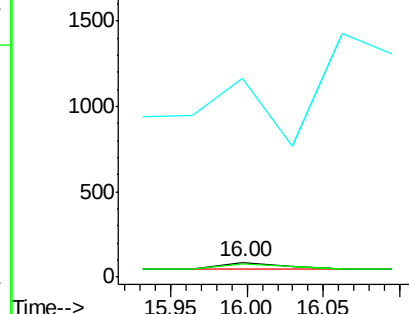


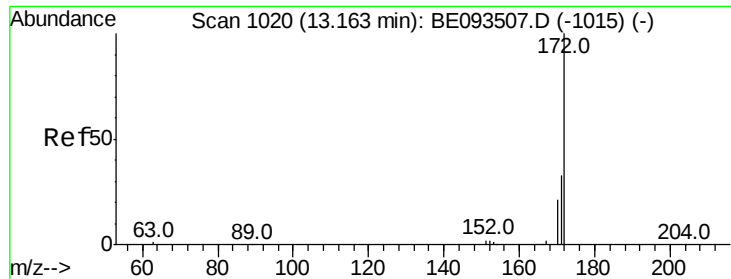
#14
 2,4,6-Tribromophenol
 Concen: 0.150 ng
 RT: 16.00 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BE093659.D
 Acq: 3 Aug 2017 16:24

Tgt Ion:330 Resp: 117
 Ion Ratio Lower Upper
 330 100
 332 92.3 77.7 116.5
 141 0.0 56.2 84.4#



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

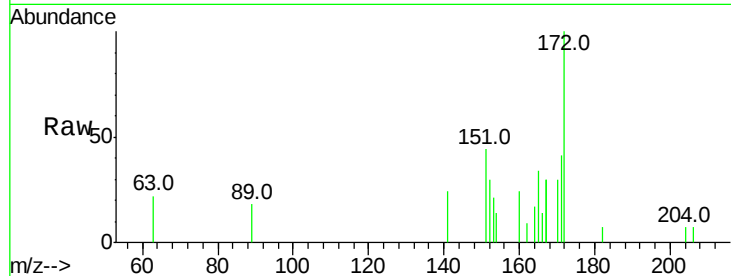




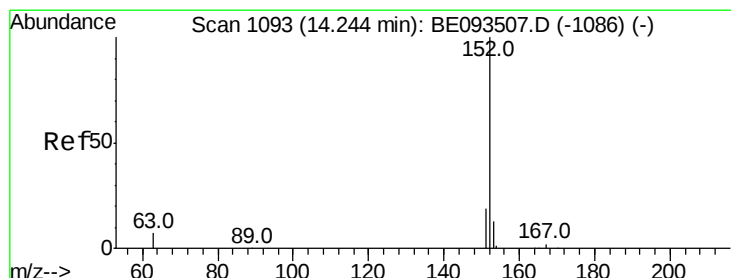
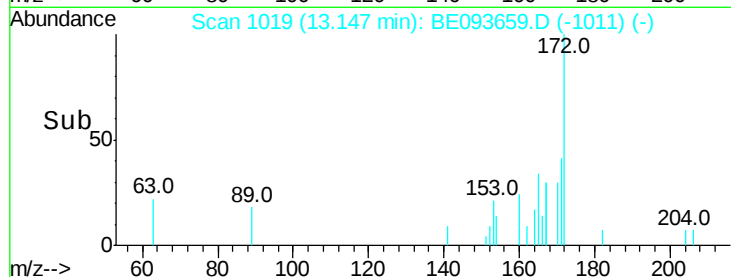
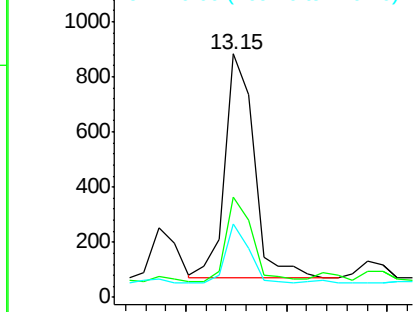
#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.15 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 1635
Ion Ratio Lower Upper
172 100
171 41.3 29.8 44.6
170 30.1 20.7 31.1

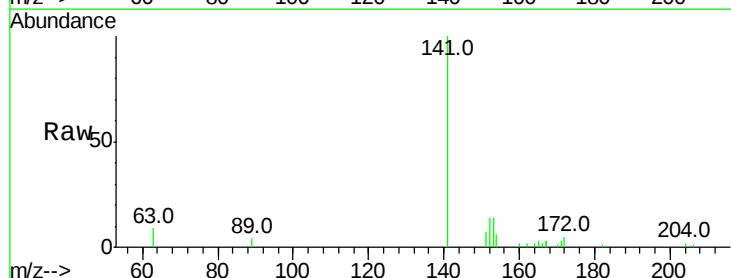


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

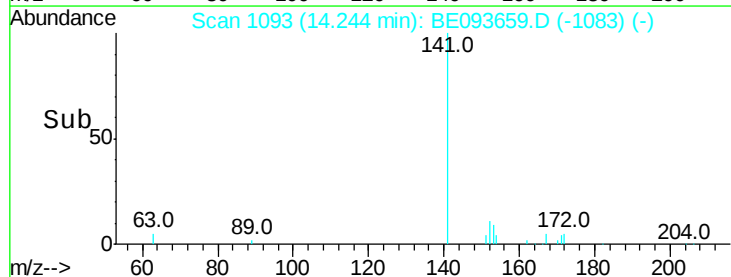
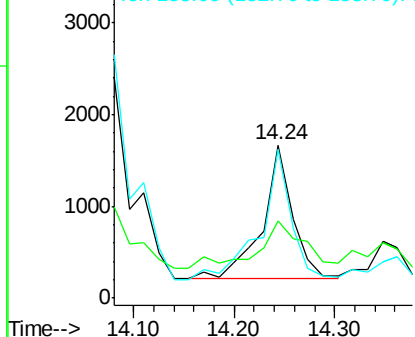


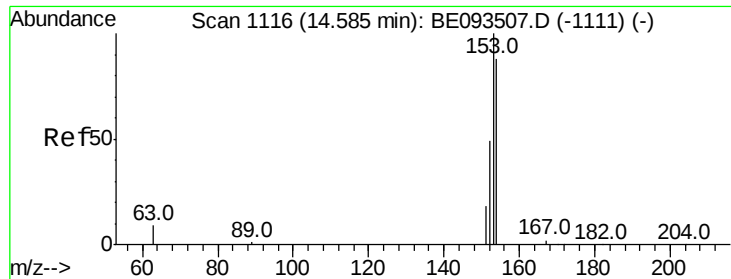
#16
Acenaphthylene
Concen: 0.069 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

Tgt Ion:152 Resp: 3099
Ion Ratio Lower Upper
152 100
151 54.7 4.0 6.0#
153 101.1 10.3 15.5#



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

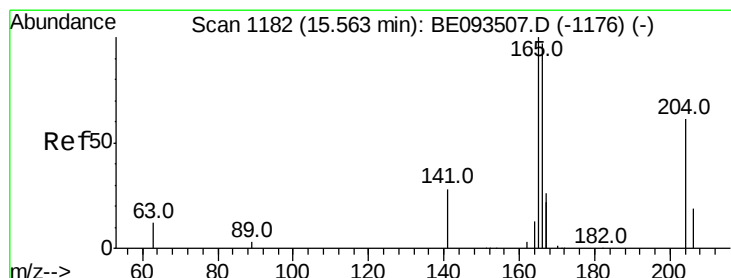
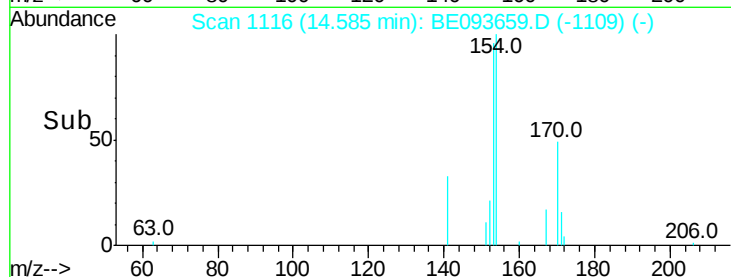
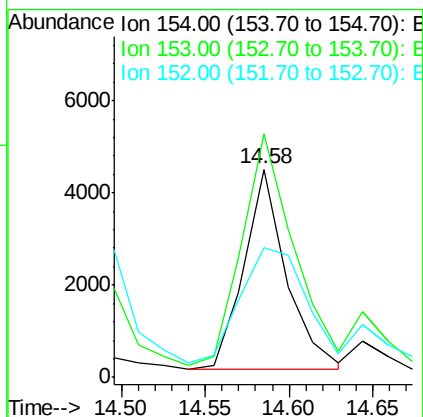
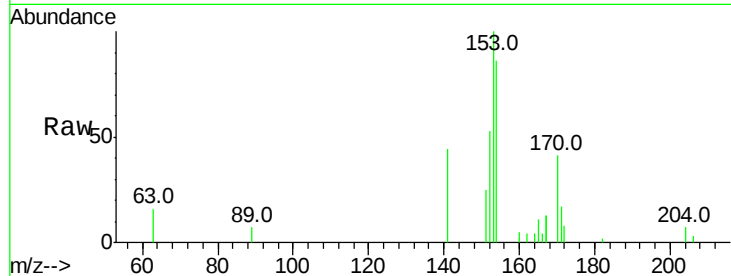




#17
Acenaphthene
Concen: 0.242 ng
RT: 14.58 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

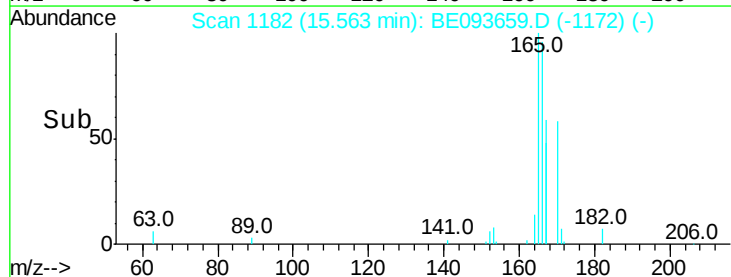
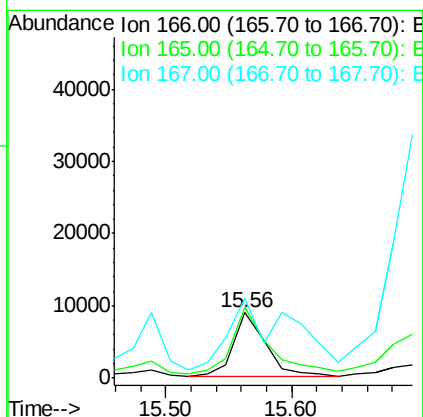
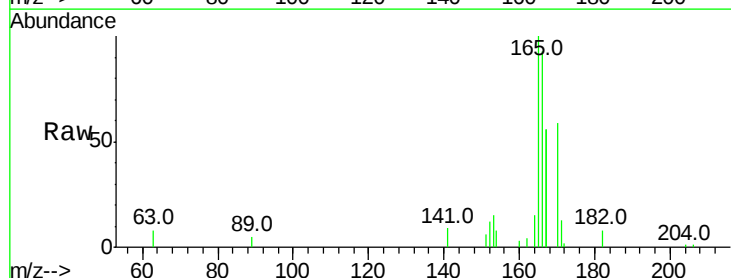
Instrument :
BNA_E
ClientSampleId :

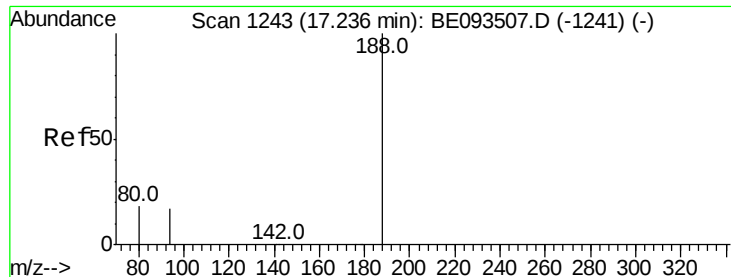
Tot Ion:154 Resp: 7663
Ion Ratio Lower Upper
154 100
153 160.4 91.2 136.8#
152 103.2 44.8 67.2#



#18
Fluorene
Concen: 0.366 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

Tgt Ion:166 Resp: 15461
Ion Ratio Lower Upper
166 100
165 117.0 78.6 117.8
167 223.4 11.1 16.7#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampled :

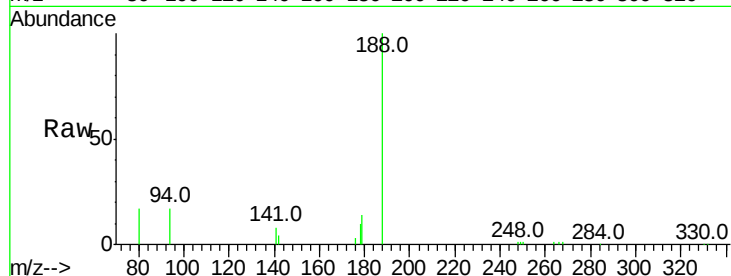
Tot Ion:188 Resp: 22006

Ion Ratio Lower Upper

188 100

94 16.6 11.3 16.9

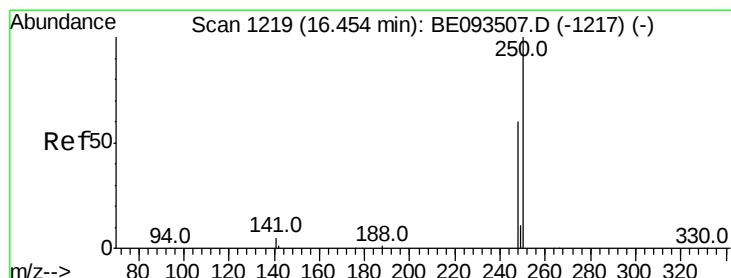
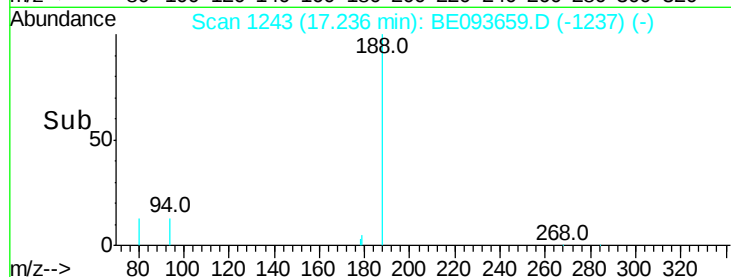
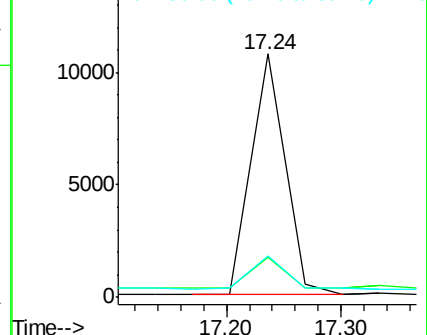
80 17.0 11.7 17.5



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: Below Cal

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

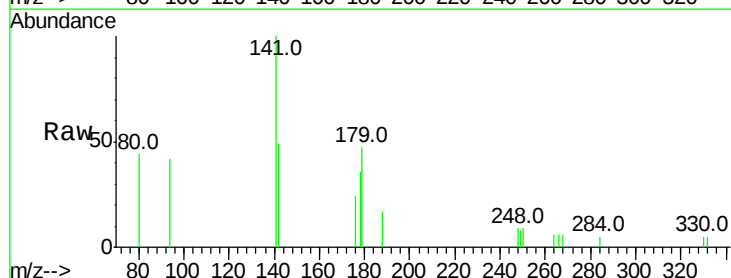
Tgt Ion:248 Resp: 18

Ion Ratio Lower Upper

248 100

250 100.0 128.0 192.0#

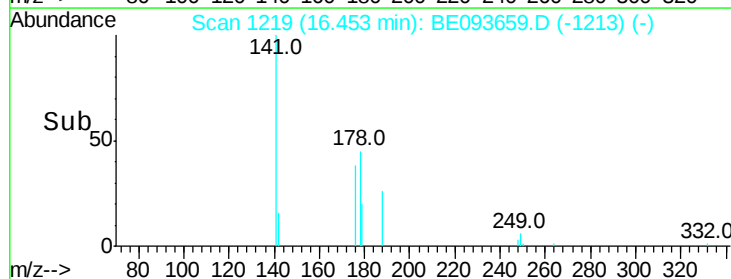
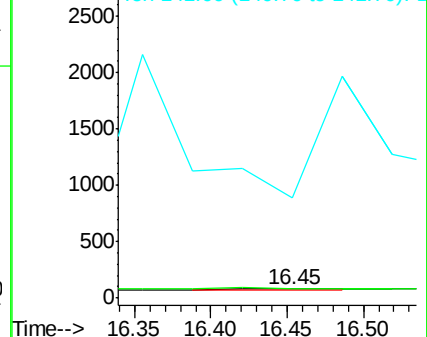
141 1112.5 12.0 18.0#

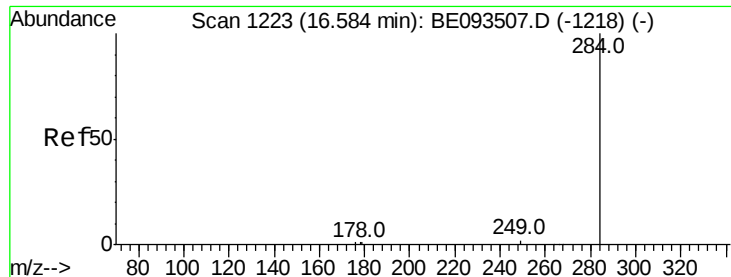


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

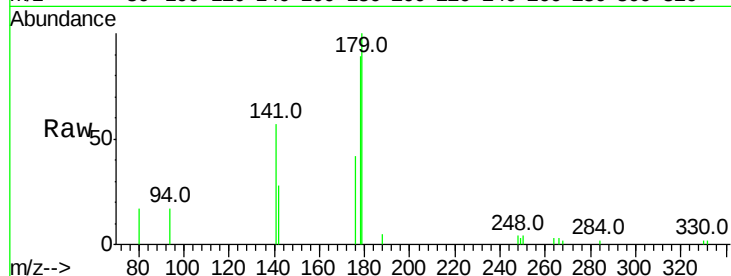




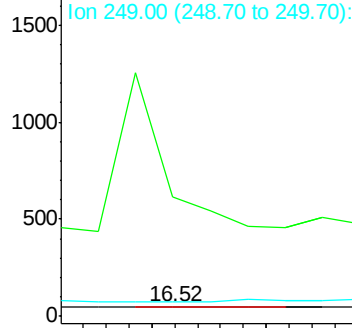
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.52 min Scan# 1221
Delta R.T. -0.07 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

Instrument :
BNA_E
ClientSampleId :

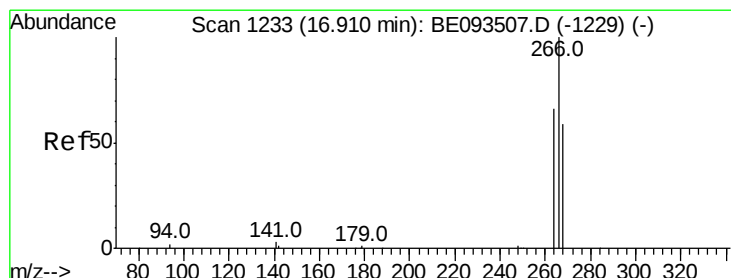
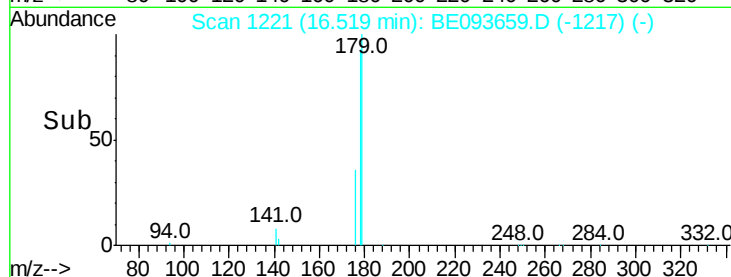
Tot Ion:284 Resp: 12
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



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

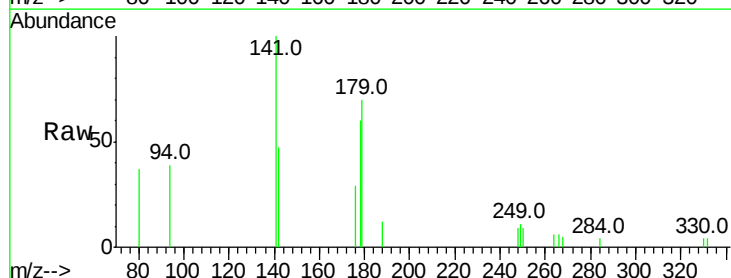


Time-->

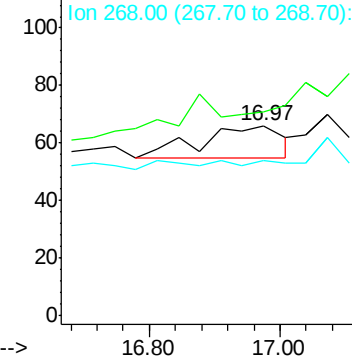


#22
Pentachlorophenol
Concen: 0.173 ng
RT: 16.97 min Scan# 1235
Delta R.T. 0.06 min
Lab File: BE093659.D
Acq: 3 Aug 2017 16:24

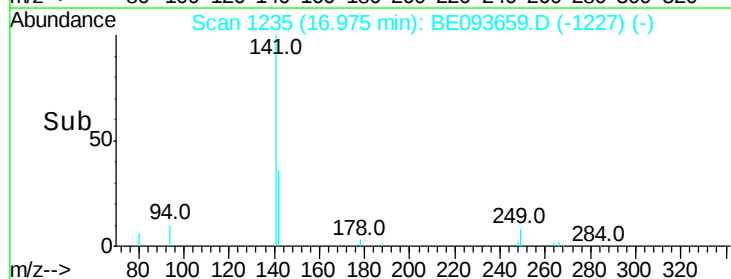
Tgt Ion:266 Resp: 96
Ion Ratio Lower Upper
266 100
264 107.6 56.0 84.0#
268 81.8 52.0 78.0#

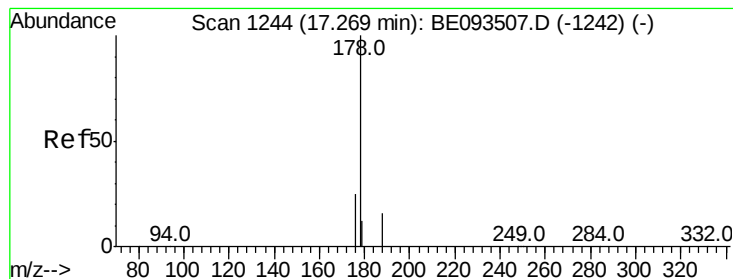


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 1.019 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampleId :

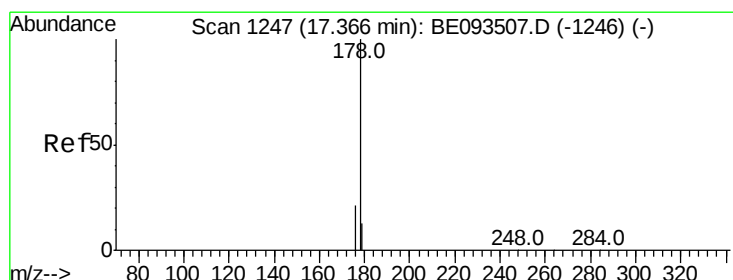
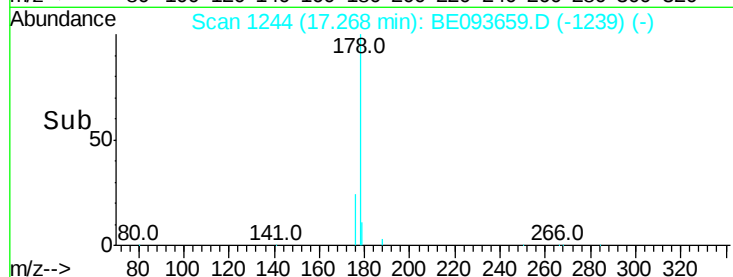
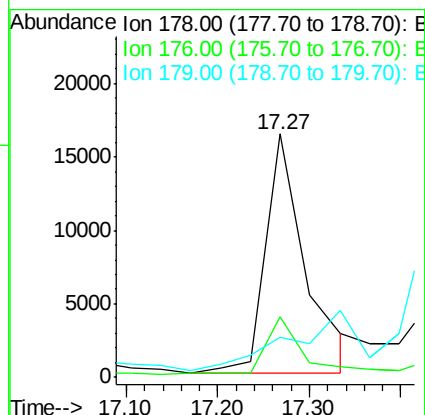
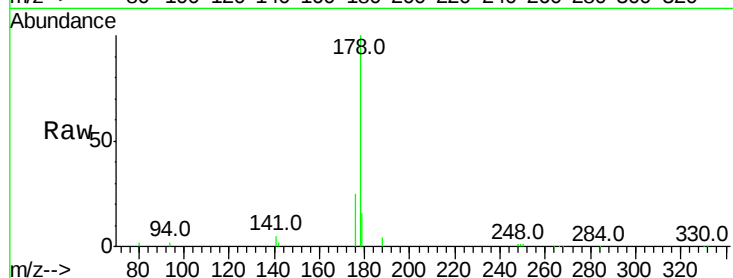
Tot Ion:178 Resp: 49331

Ion Ratio Lower Upper

178 100

176 20.3 15.0 22.4

179 0.0 12.7 19.1#



#24

Anthracene

Concen: 0.684 ng

RT: 17.27 min Scan# 1244

Delta R.T. -0.10 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

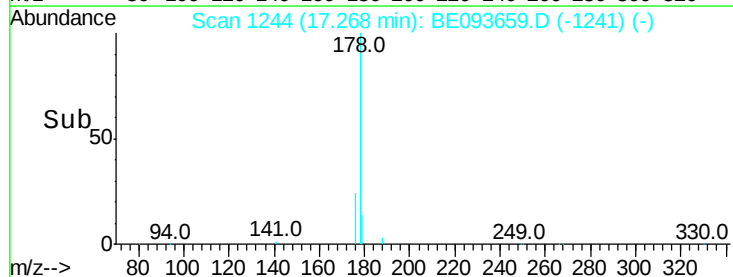
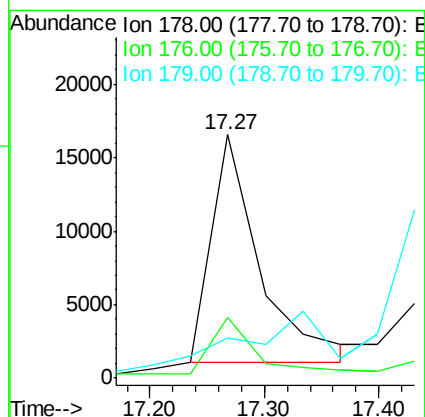
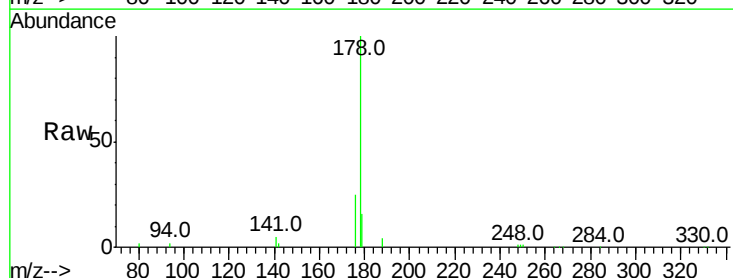
Tgt Ion:178 Resp: 45272

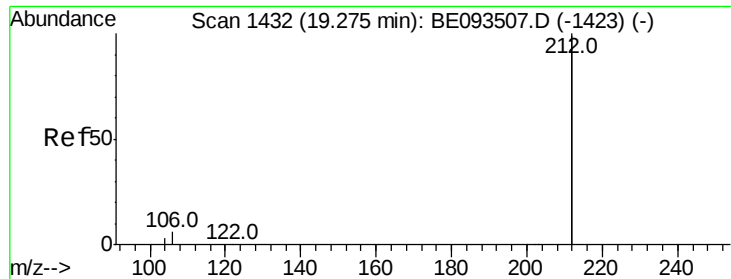
Ion Ratio Lower Upper

178 100

176 23.3 14.6 22.0#

179 0.0 12.0 18.0#





#25

Fluoranthene-d10

Concen: 0.046 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093659.D

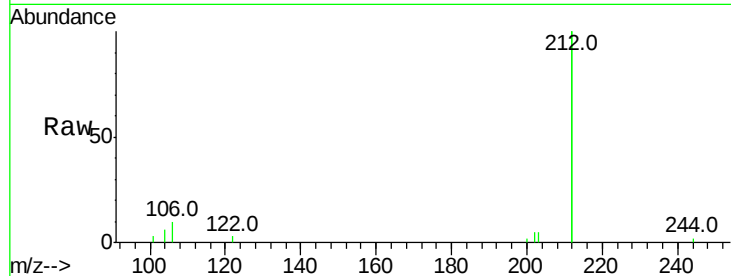
Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampleId :

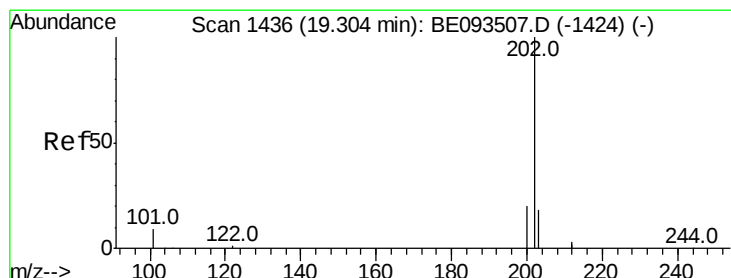
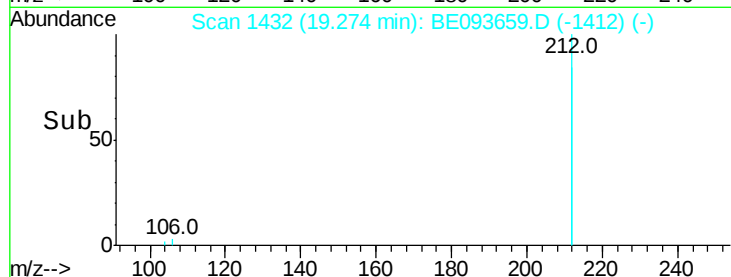
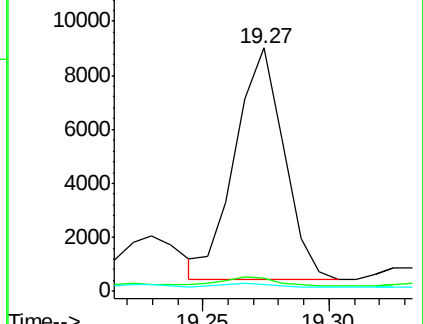
Tot Ion:212	Resp:	11535
Ion Ratio	Lower	Upper
212	100	
106	4.0	2.4 3.6#
104	2.2	1.6 2.4



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: 0.026 ng

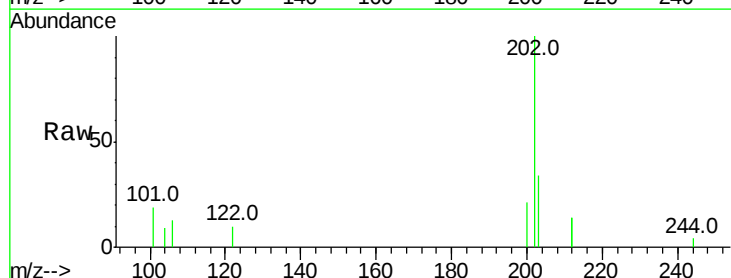
RT: 19.30 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

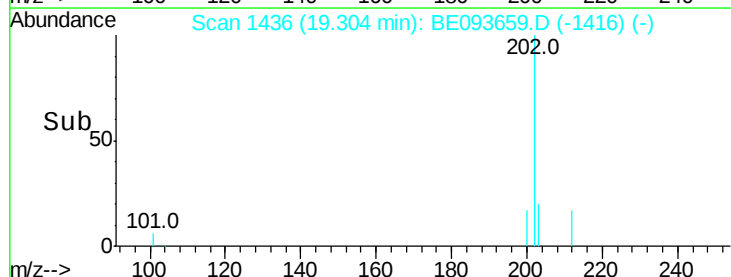
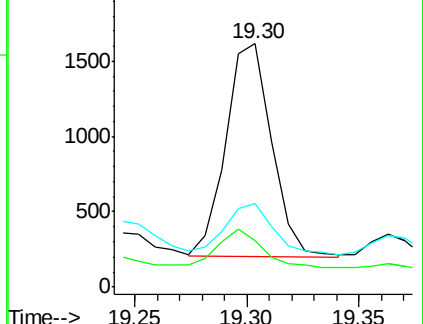
Tgt Ion:202	Resp:	1990
Ion Ratio	Lower	Upper
202	100	
101	16.8	9.6 14.4#
203	25.5	14.4 21.6#

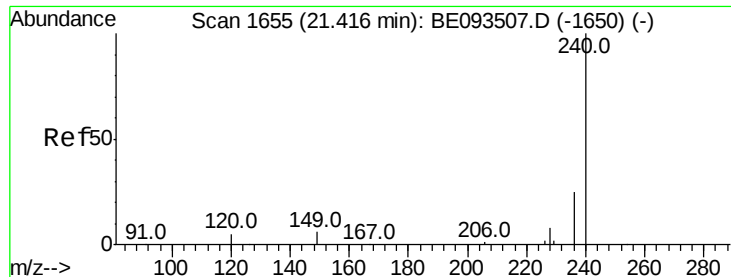


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampleId :

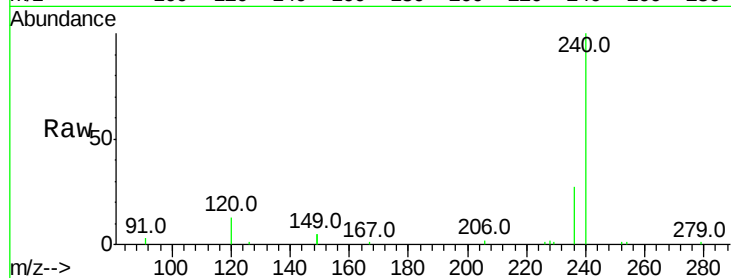
Tot Ion:240 Resp: 21968

Ion Ratio Lower Upper

240 100

120 13.0 4.6 7.0#

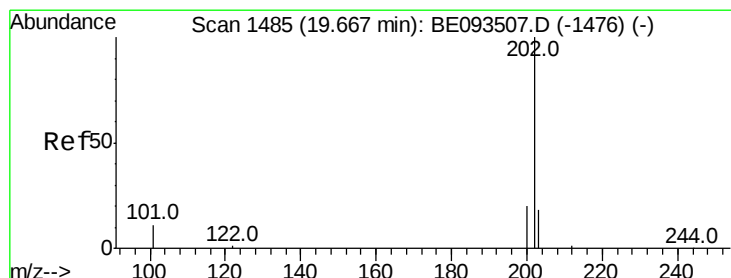
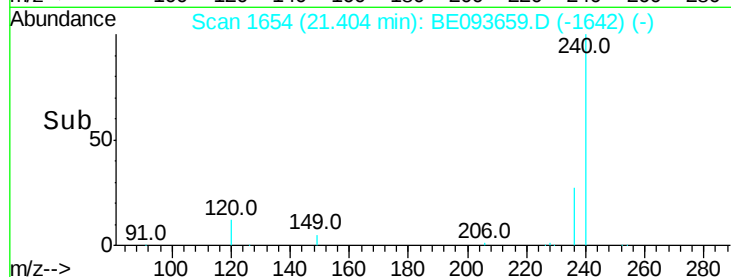
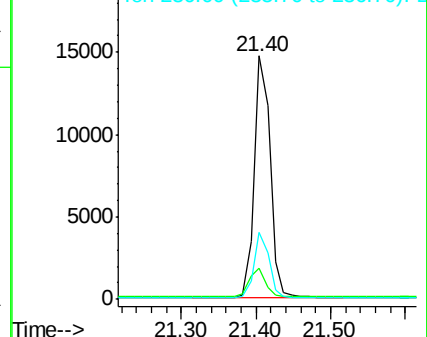
236 27.3 20.8 31.2



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: 0.074 ng

RT: 19.67 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

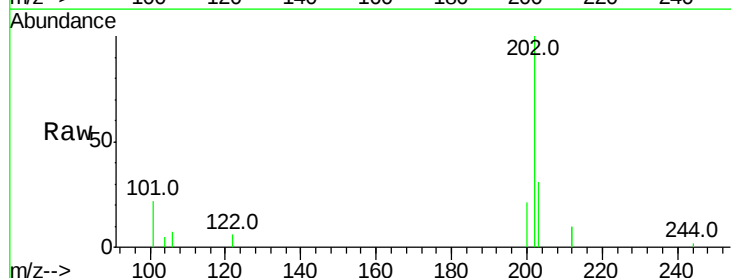
Tgt Ion:202 Resp: 5232

Ion Ratio Lower Upper

202 100

200 19.3 0.0 0.0#

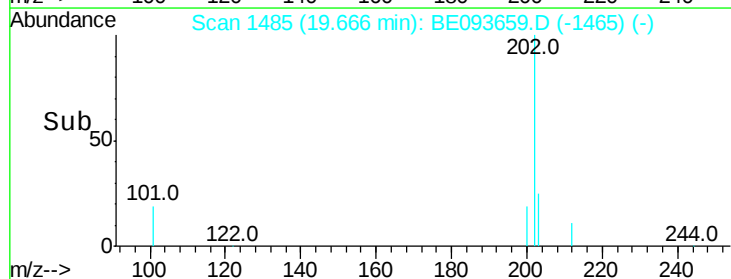
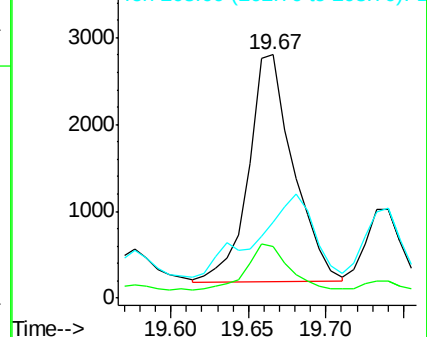
203 0.0 13.7 20.5#

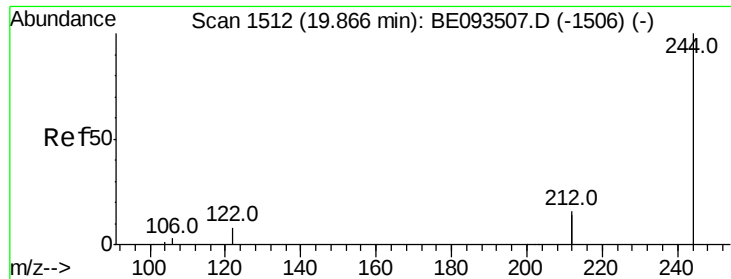


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.057 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampleId :

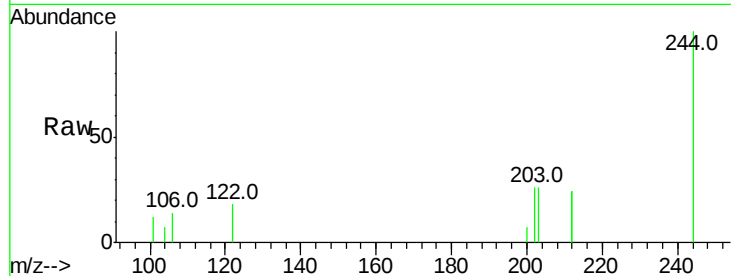
Tot Ion:244 Resp: 2232

Ion Ratio Lower Upper

244 100

212 48.7 10.6 16.0#

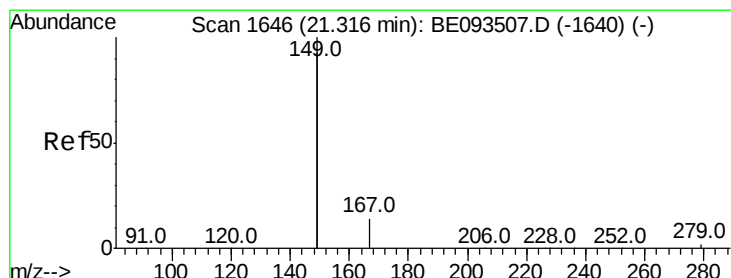
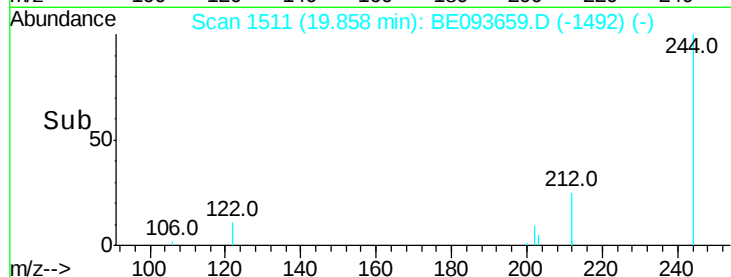
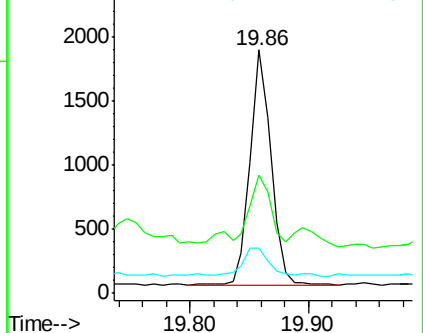
122 18.5 15.4 23.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.052 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

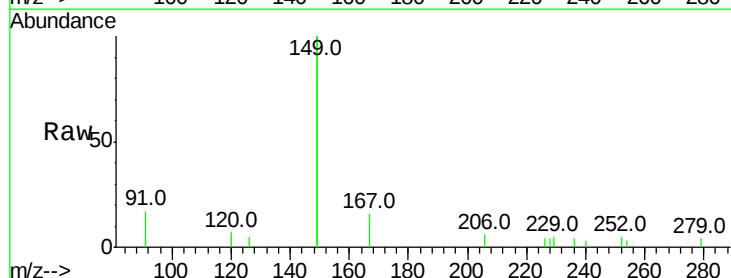
Tgt Ion:149 Resp: 4571

Ion Ratio Lower Upper

149 100

167 7.6 4.8 7.2#

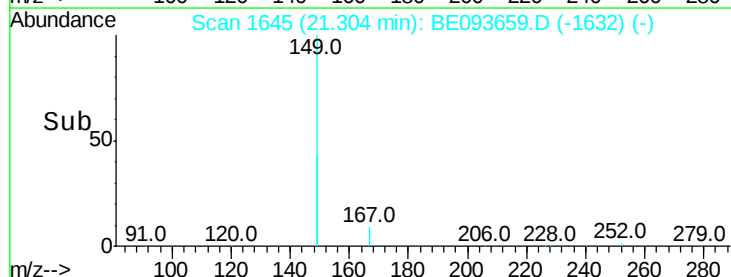
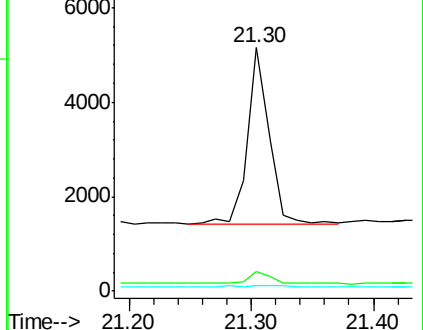
279 1.4 0.8 1.2#

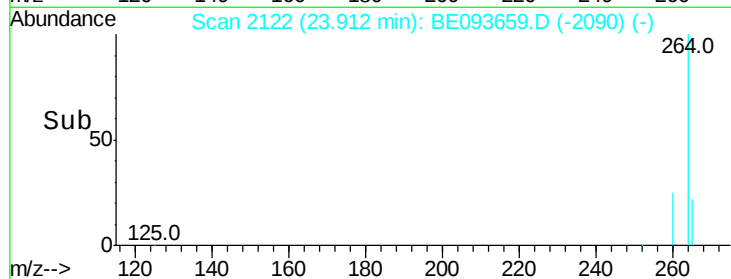
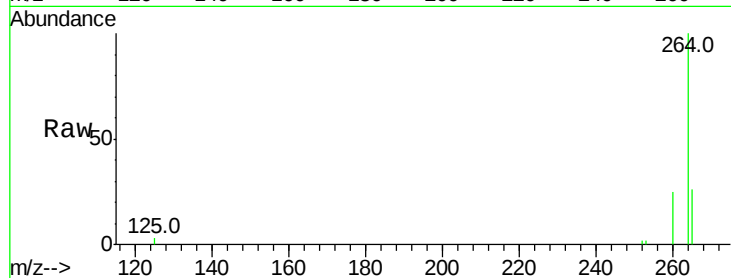
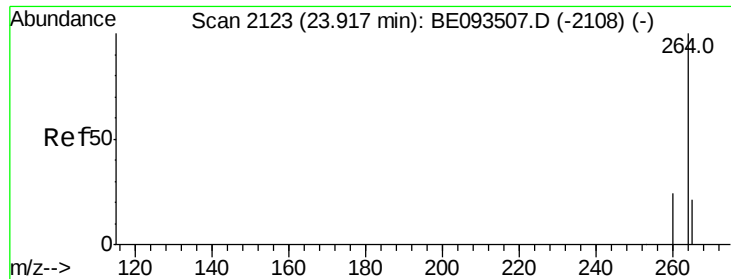


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.91 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE093659.D

Acq: 3 Aug 2017 16:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 19782

Ion Ratio Lower Upper

264 100

260 25.3 21.0 31.4

265 25.9 24.6 36.8

