

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\
 Data File : BE093938.D
 Acq On : 5 Sep 2017 15:54
 Operator : SJ/JU
 Sample : PB102046BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102046BS

Quant Time: Sep 06 05:26:24 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 13:34:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2225	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	10042	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	5807	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	12214	0.40	ng	0.00
27) Chrysene-d12	21.43	240	17908	0.40	ng	0.00
34) Perylene-d12	23.94	264	14355	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	2027	0.28	ng	0.00
5) Phenol-d6	7.12	99	2639	0.24	ng	0.00
8) Nitrobenzene-d5	9.08	82	2455	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	5117	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	591	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5988	0.26	ng	0.00
25) Fluoranthene-d10	19.28	212	54193	0.30	ng	0.00
29) Terphenyl-d14	19.87	244	11481	0.35	ng	0.00

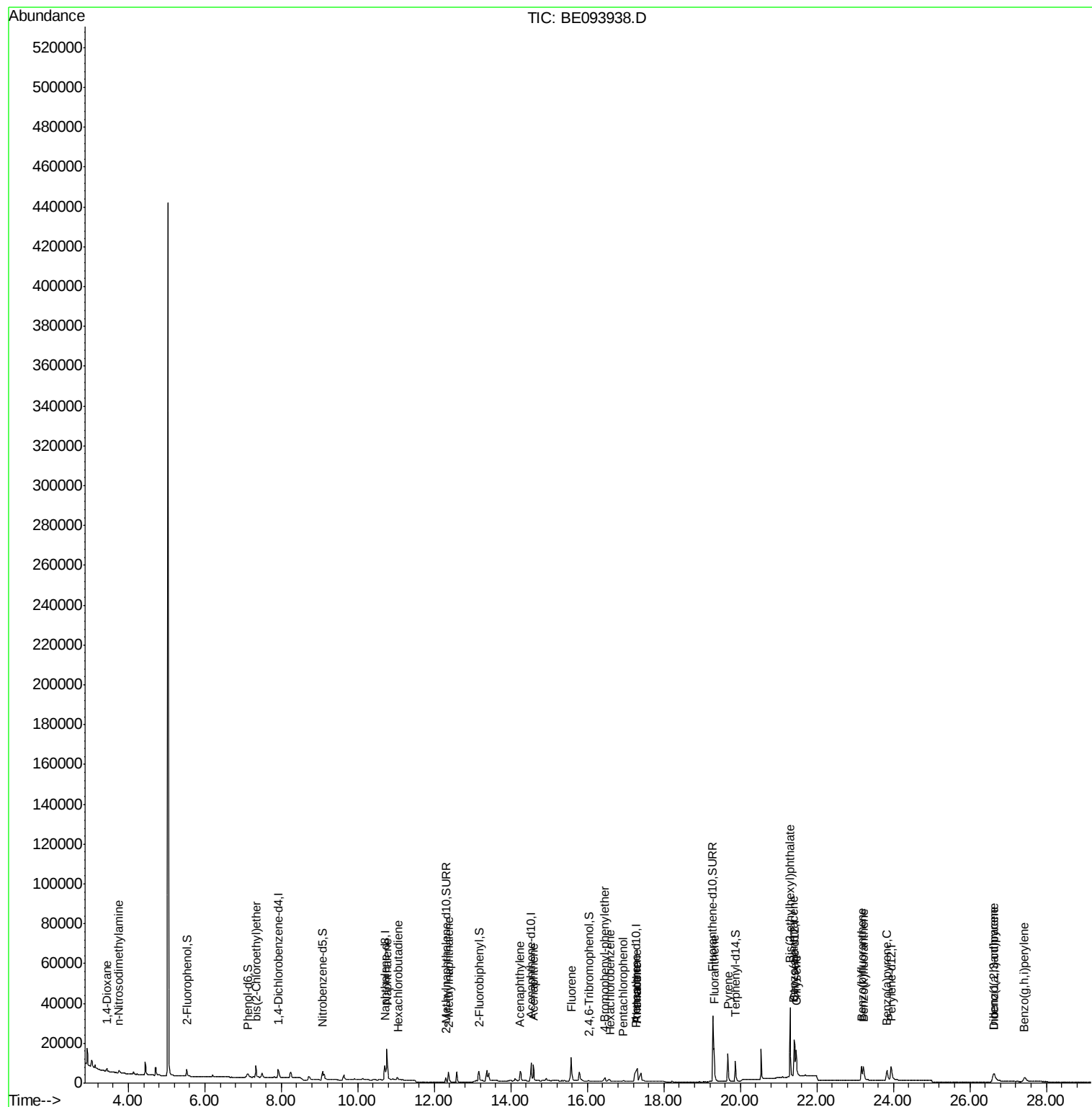
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.44	88	915	0.298	ng	# 42
3) n-Nitrosodimethylamine	3.75	42	1004	0.280	ng	# 96
6) bis(2-Chloroethyl)ether	7.34	93	2172	0.246	ng	93
9) Naphthalene	10.76	128	29700	0.258	ng	100
10) Hexachlorobutadiene	11.04	225	1132	0.271	ng	97
12) 2-Methylnaphthalene	12.37	142	4928	0.258	ng	98
16) Acenaphthylene	14.24	152	7160	0.247	ng	99
17) Acenaphthene	14.58	154	4954	0.253	ng	98
18) Fluorene	15.58	166	6623	0.262	ng	100
20) 4-Bromophenyl-phenylether	16.45	248	1876	0.229	ng	86
21) Hexachlorobenzene	16.58	284	1758	0.244	ng	# 100
22) Pentachlorophenol	16.94	266	759	0.392	ng	96
23) Phenanthrene	17.30	178	13224	0.285	ng	# 100
24) Anthracene	17.30	178	13215	0.355	ng	# 97
26) Fluoranthene	19.31	202	14712	0.270	ng	99
28) Pyrene	19.67	202	15075	0.245	ng	100
30) Benzo(a)anthracene	21.40	228	14075	0.256	ng	99
31) Chrysene	21.46	228	14668	0.252	ng	98
32) Bis(2-ethylhexyl)phthalate	21.30	149	38591	0.289	ng	99
33) Indeno(1,2,3-cd)pyrene	26.61	276	9607	0.248	ng	95
35) Benzo(b)fluoranthene	23.16	252	11847	0.259	ng	97
36) Benzo(k)fluoranthene	23.21	252	15303	0.273	ng	# 94
37) Benzo(a)pyrene	23.83	252	12185	0.262	ng	95
38) Dibenzo(a,h)anthracene	26.63	278	7569	0.245	ng	# 91
39) Benzo(g,h,i)perylene	27.42	276	8236	0.253	ng	97

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

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE090517\
Data File : BE093938.D
Acq On : 5 Sep 2017 15:54
Operator : SJ/JU
Sample : PB102046BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB102046BS

Quant Time: Sep 06 05:26:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 05 13:34:56 2017
Response via : Initial Calibration



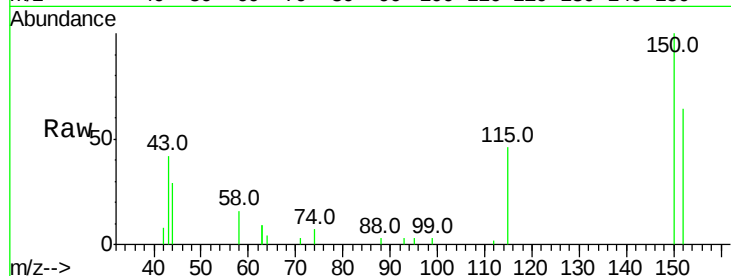


#1

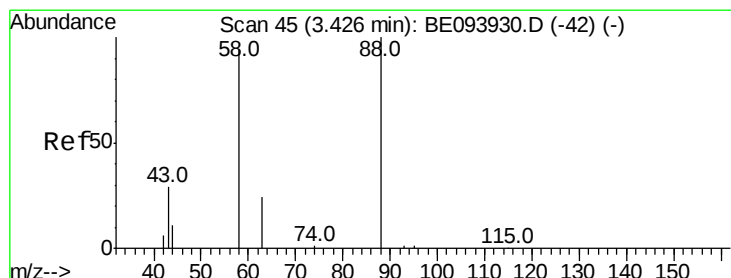
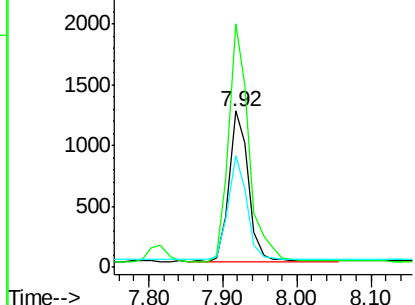
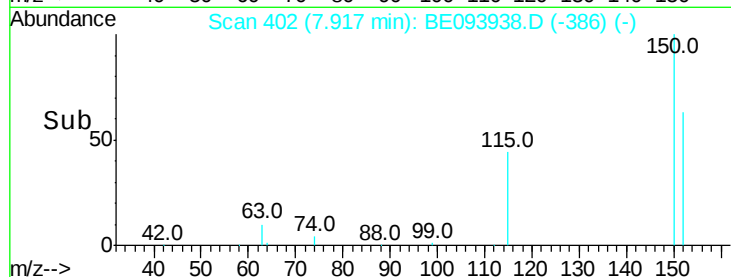
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE093938.D
Acq: 5 Sep 2017 15:54

Instrument :
BNA_E
ClientSampleId :
PB102046BS

Tot Ion:152 Resp: 2225
Ion Ratio Lower Upper
152 100
150 155.9 121.8 182.6
115 72.0 52.6 79.0



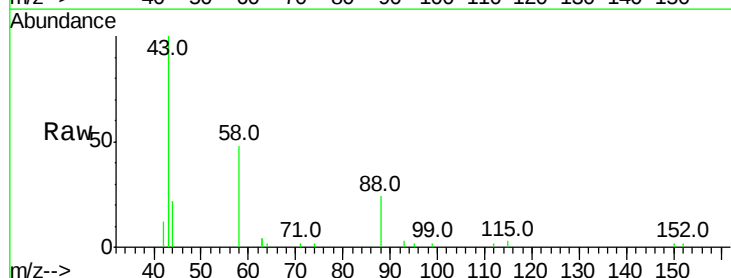
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



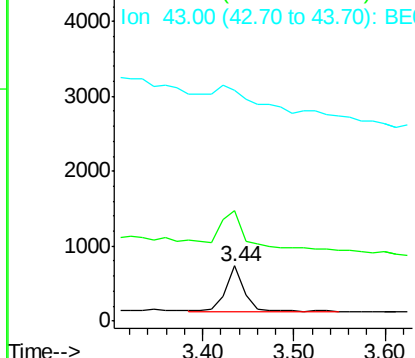
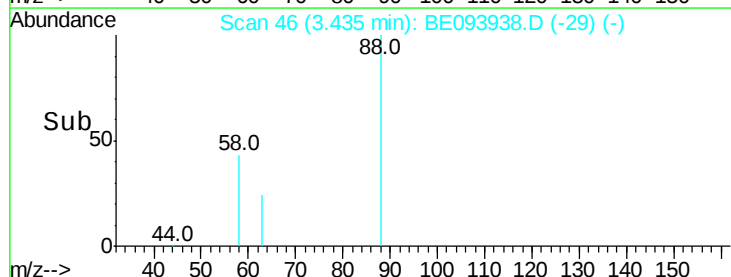
#2

1,4-Dioxane
Concen: 0.298 ng
RT: 3.44 min Scan# 46
Delta R.T. 0.01 min
Lab File: BE093938.D
Acq: 5 Sep 2017 15:54

Tgt Ion: 88 Resp: 915
Ion Ratio Lower Upper
88 100
58 134.6 65.4 98.0#
43 0.0 23.9 35.9#



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: 0.280 ng

RT: 3.75 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

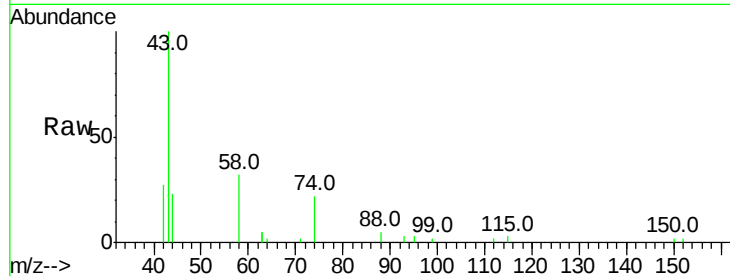
Tot Ion: 42 Resp: 1004

Ion Ratio Lower Upper

42 100

74 132.3 104.0 156.0

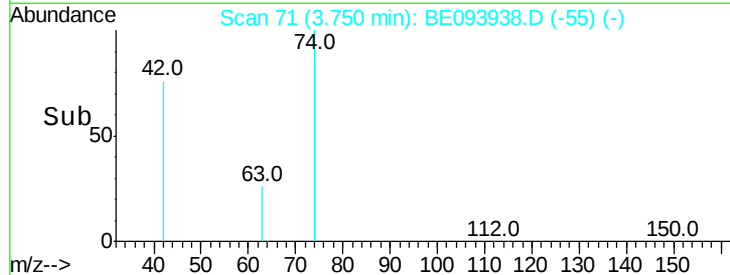
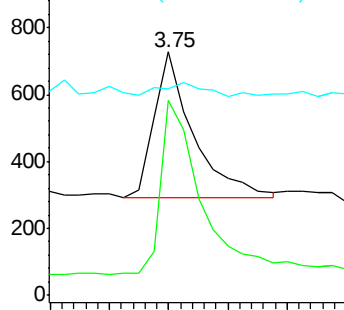
44 10.3 13.8 20.8#



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: 0.282 ng

RT: 5.52 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

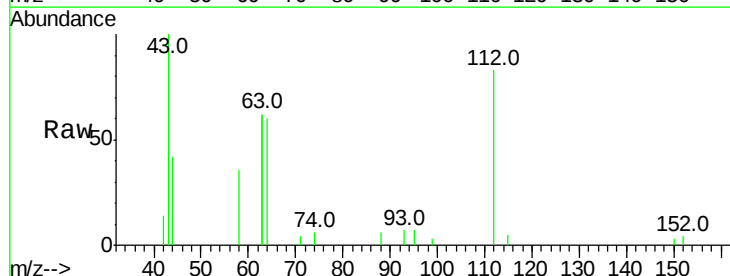
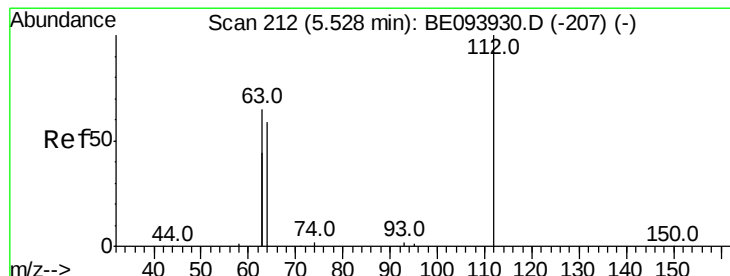
Tgt Ion: 112 Resp: 2027

Ion Ratio Lower Upper

112 100

64 71.7 57.7 86.5

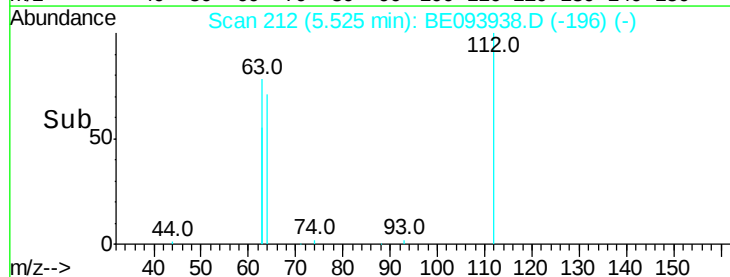
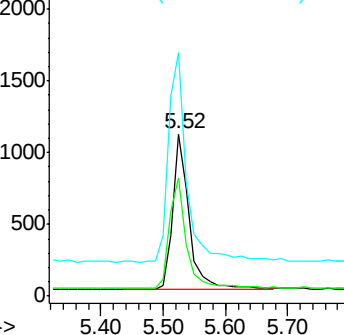
63 146.9 116.0 174.0

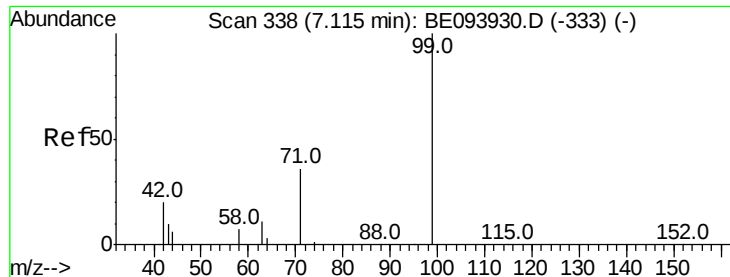


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.244 ng

RT: 7.12 min Scan# 339

Delta R.T. 0.01 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

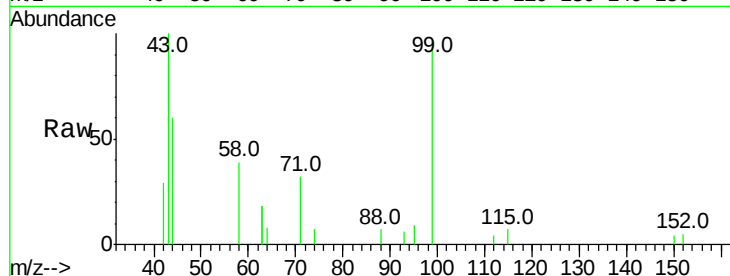
Tot Ion: 99 Resp: 2639

Ion Ratio Lower Upper

99 100

42 19.9 17.1 25.7

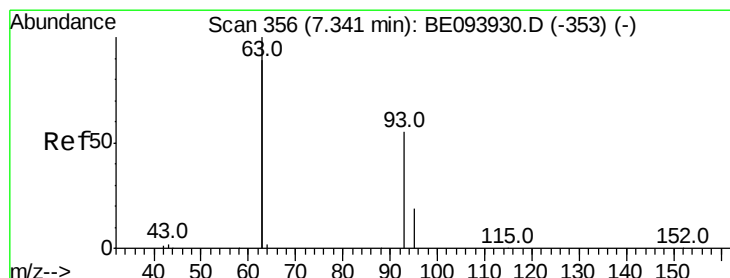
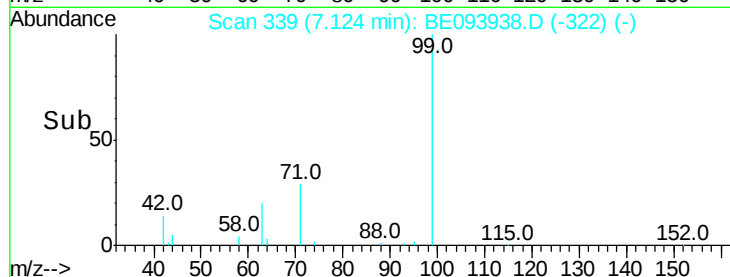
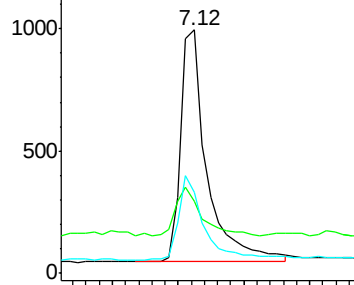
71 35.4 26.6 39.8



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: 0.246 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

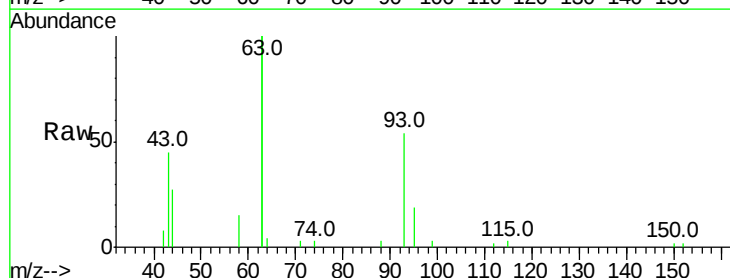
Tgt Ion: 93 Resp: 2172

Ion Ratio Lower Upper

93 100

63 338.6 283.4 425.2

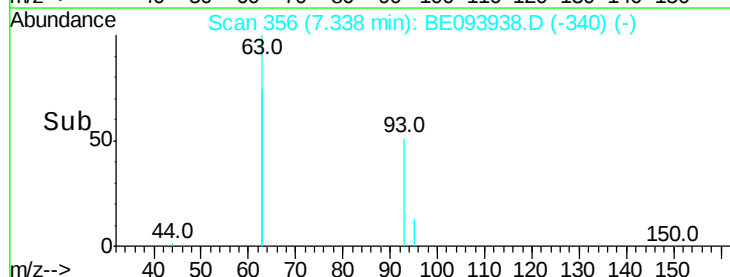
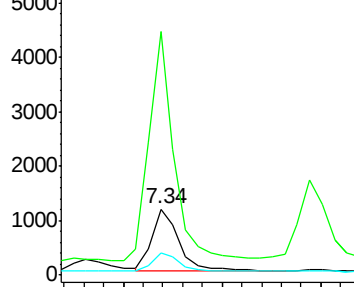
95 30.3 26.9 40.3

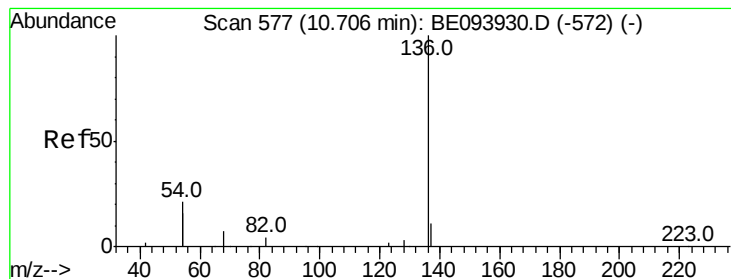


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

Tot Ion:136 Resp: 10042

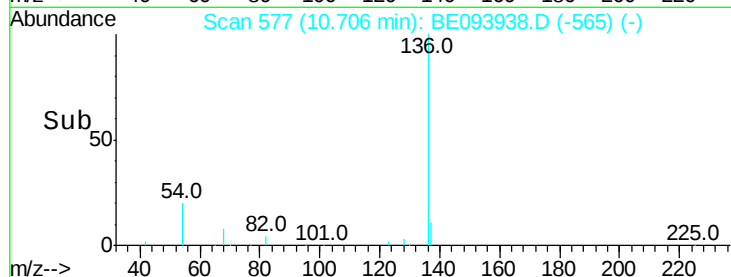
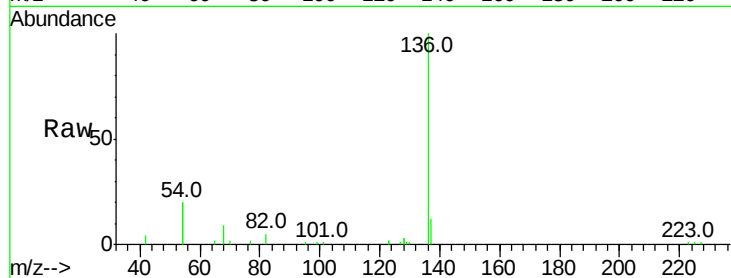
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 40.4 21.9 32.9#

68 8.7 4.6 7.0#

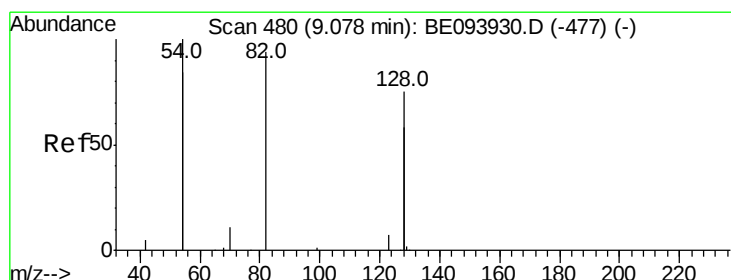
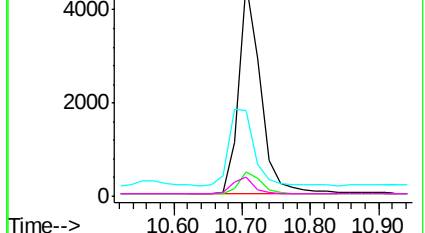


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.289 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

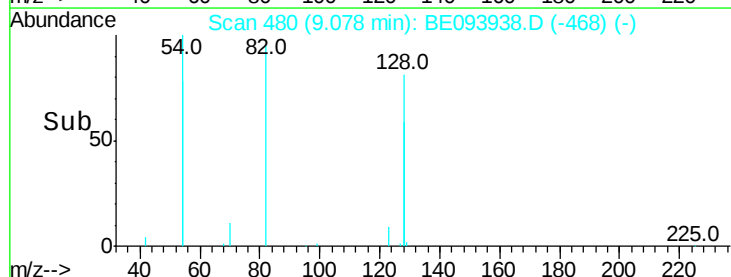
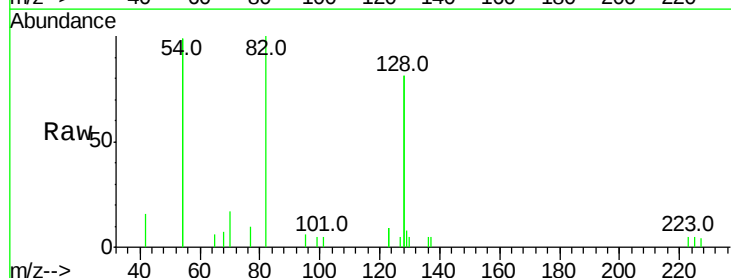
Tgt Ion: 82 Resp: 2455

Ion Ratio Lower Upper

82 100

128 161.7 91.4 137.0#

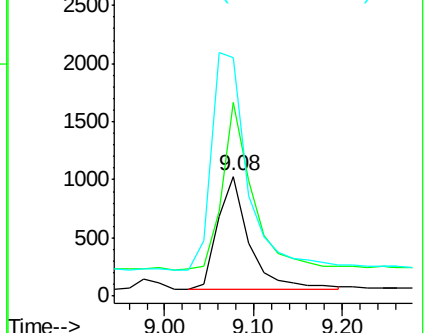
54 198.8 197.8 296.8

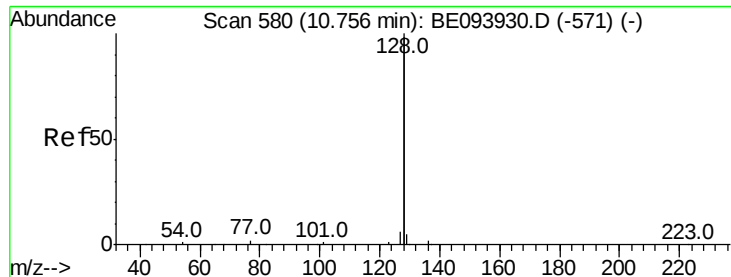


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.258 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

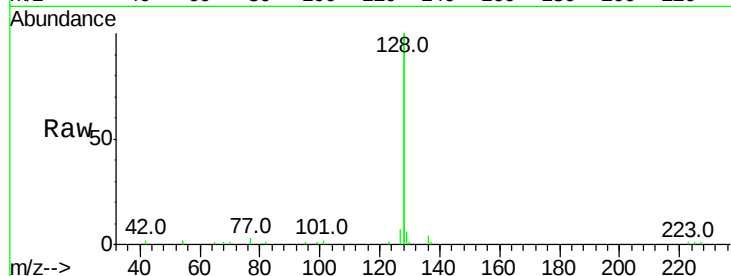
Tot Ion:128 Resp: 29700

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

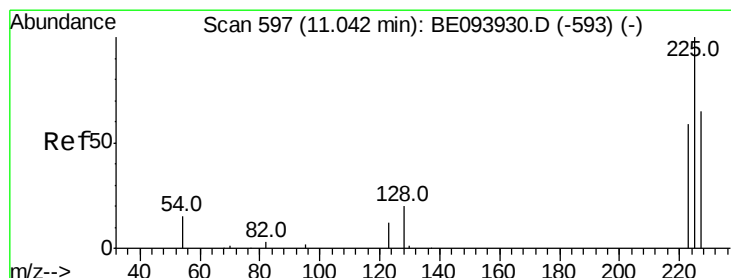
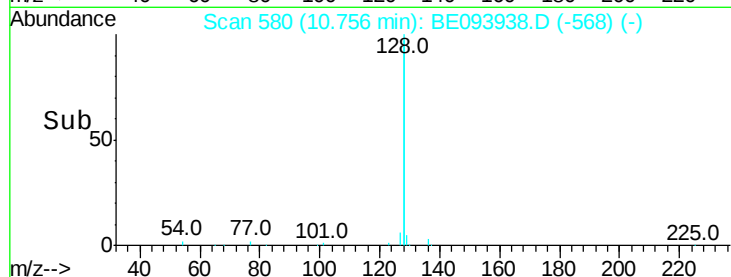
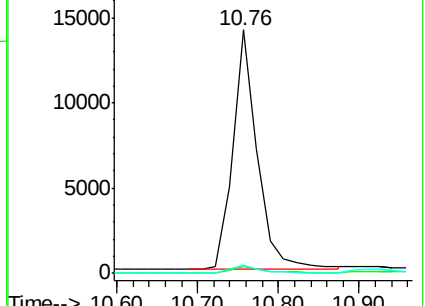
127 3.5 2.6 4.0



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: 0.271 ng

RT: 11.04 min Scan# 597

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

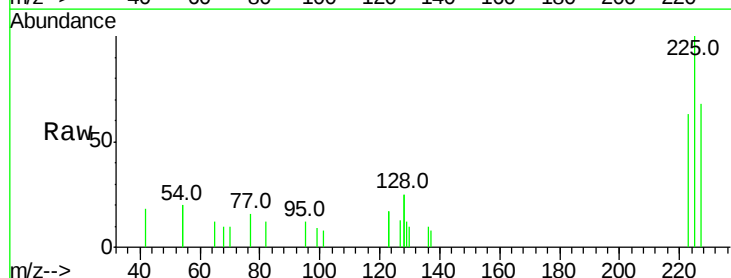
Tgt Ion:225 Resp: 1132

Ion Ratio Lower Upper

225 100

223 65.5 49.4 74.0

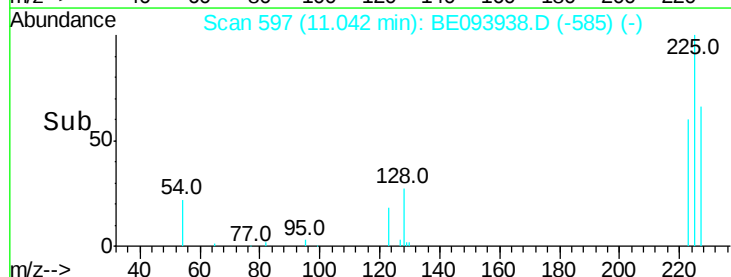
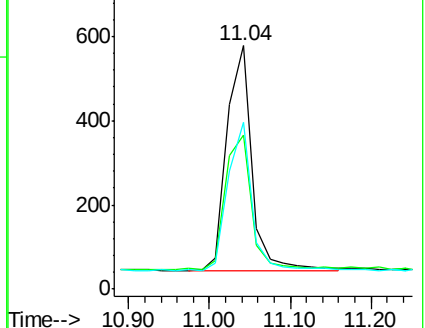
227 64.6 50.5 75.7



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: 0.318 ng

RT: 12.30 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

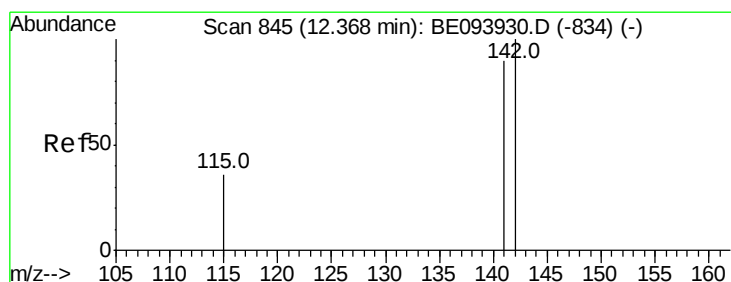
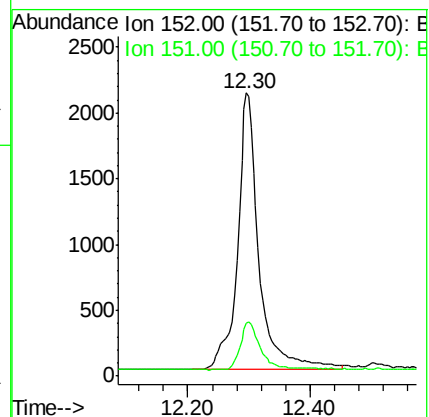
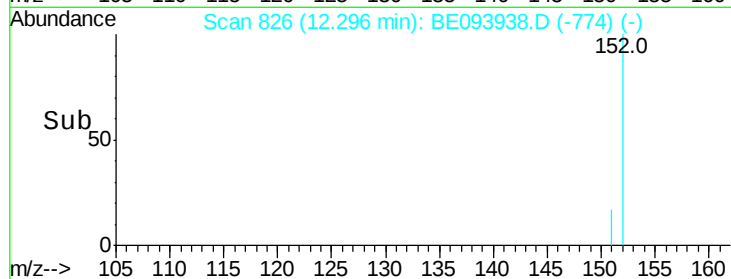
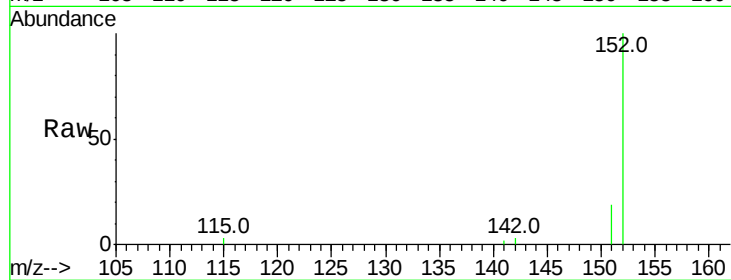
PB102046BS

Tot Ion:152 Resp: 5117

Ion Ratio Lower Upper

152 100

151 16.7 15.4 23.0



#12

2-Methylnaphthalene

Concen: 0.258 ng

RT: 12.37 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

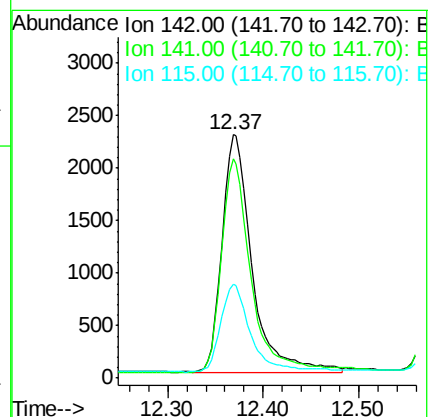
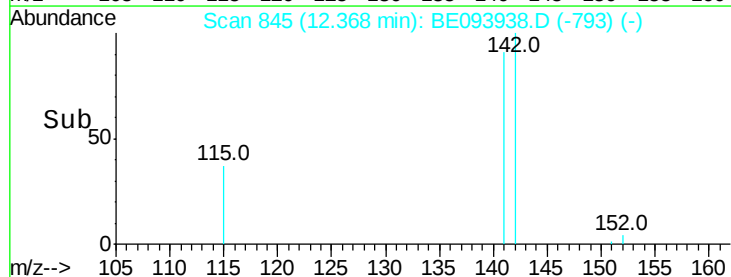
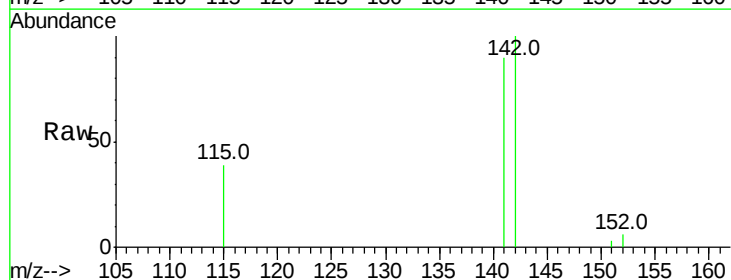
Tgt Ion:142 Resp: 4928

Ion Ratio Lower Upper

142 100

141 90.1 71.4 107.2

115 38.8 29.4 44.0

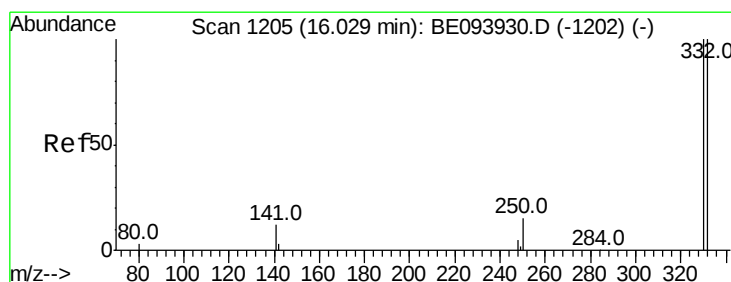
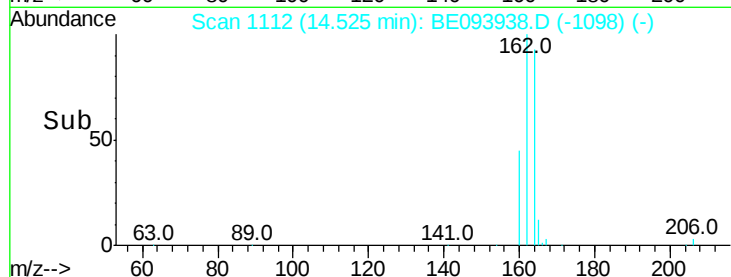
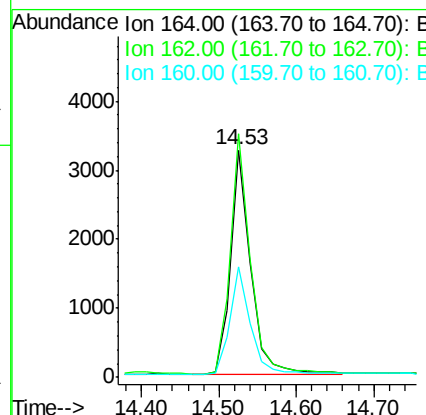
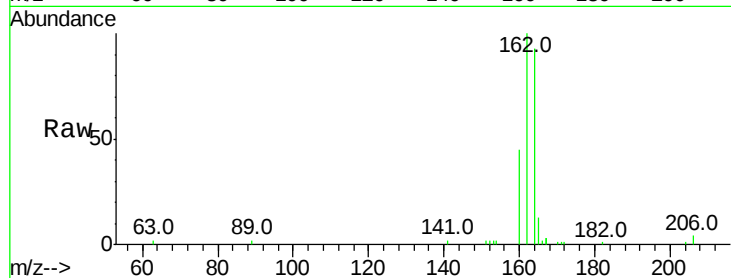




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE093938.D
 Acq: 5 Sep 2017 15:54

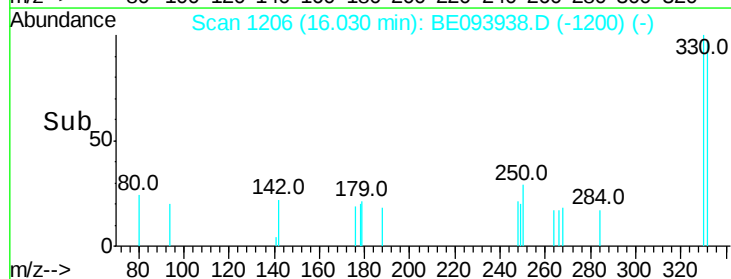
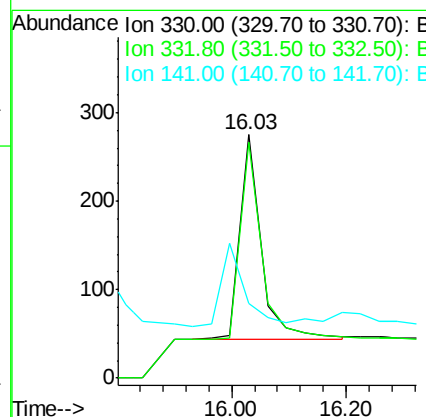
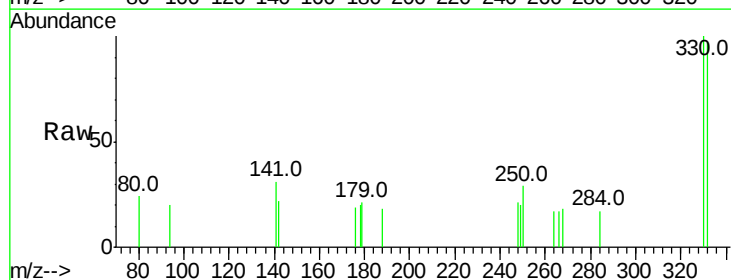
Instrument :
 BNA_E
 ClientSampleId :
 PB102046BS

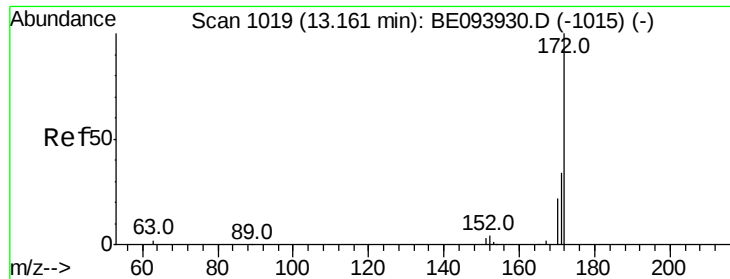
Tot Ion:164 Resp: 5807
 Ion Ratio Lower Upper
 164 100
 162 107.0 80.8 121.2
 160 48.7 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.329 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093938.D
 Acq: 5 Sep 2017 15:54

Tgt Ion:330 Resp: 591
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.9 115.3
 141 0.0 0.0 0.0

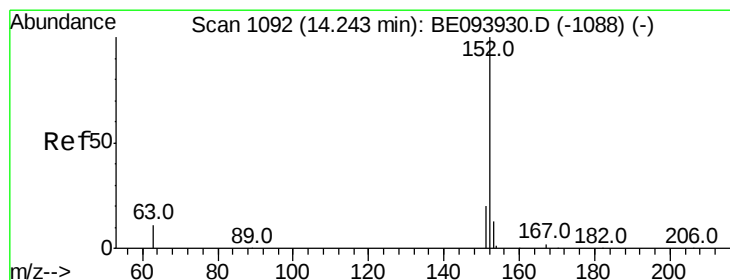
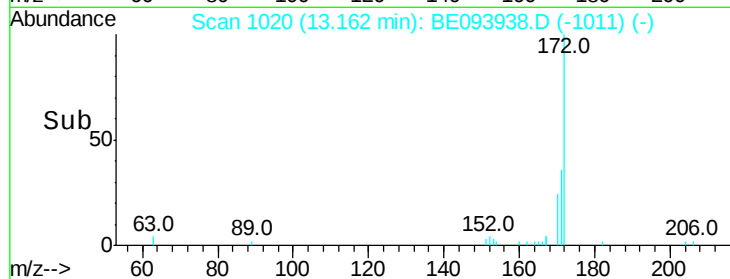
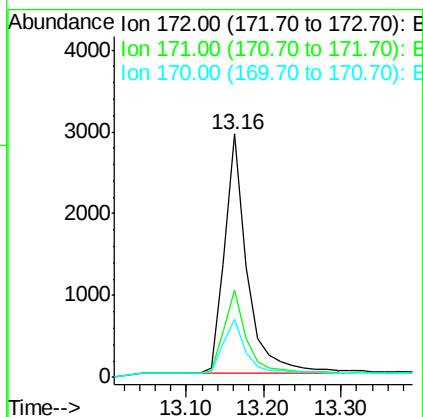
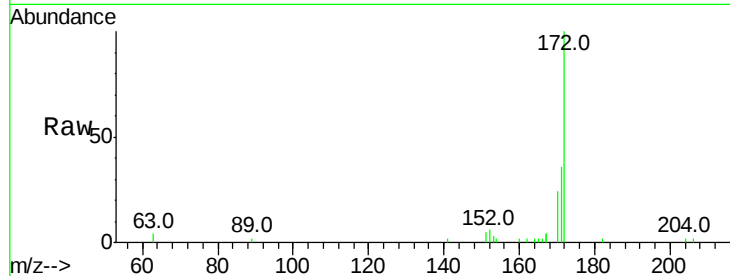




#15
2-Fluorobiphenyl
Concen: 0.261 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093938.D
Acq: 5 Sep 2017 15:54

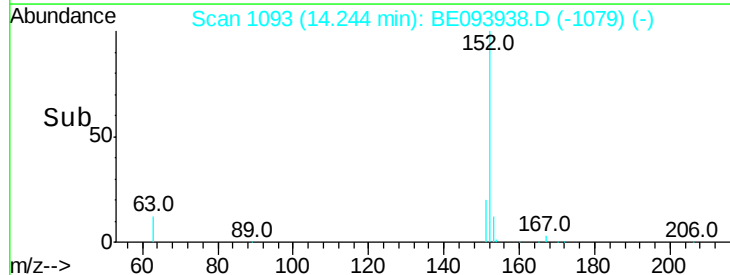
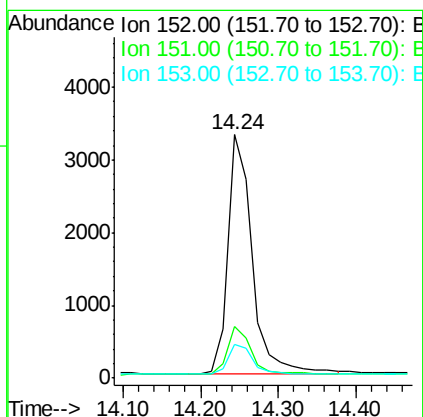
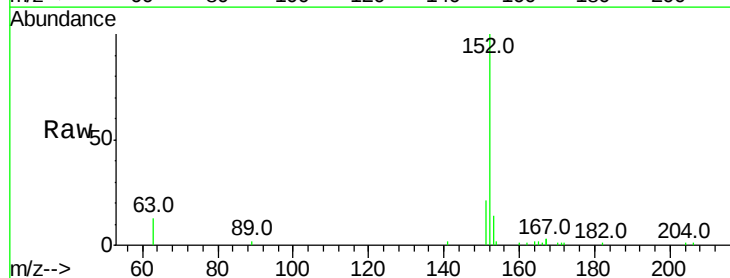
Instrument :
BNA_E
ClientSampleId :
PB102046BS

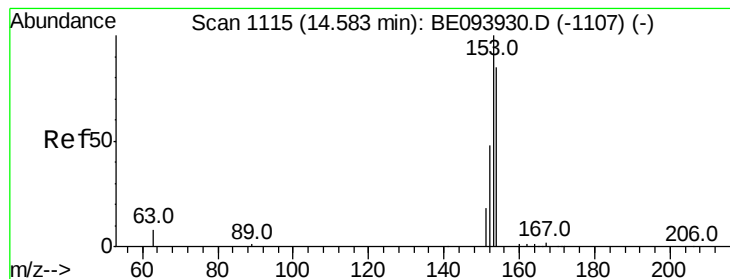
Tot Ion:172 Resp: 5988
Ion Ratio Lower Upper
172 100
171 36.0 26.9 40.3
170 23.8 17.3 25.9



#16
Acenaphthylene
Concen: 0.247 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093938.D
Acq: 5 Sep 2017 15:54

Tgt Ion:152 Resp: 7160
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.0 10.6 16.0





#17

Acenaphthene

Concen: 0.253 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

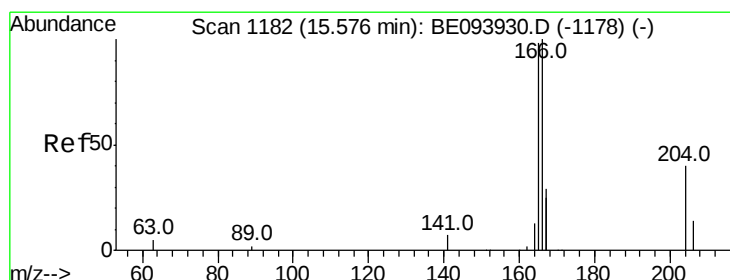
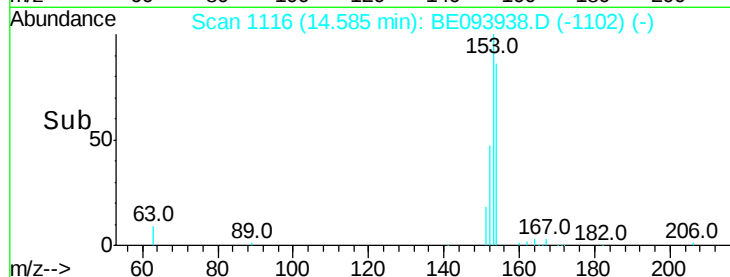
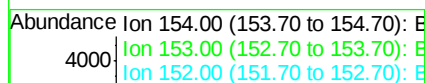
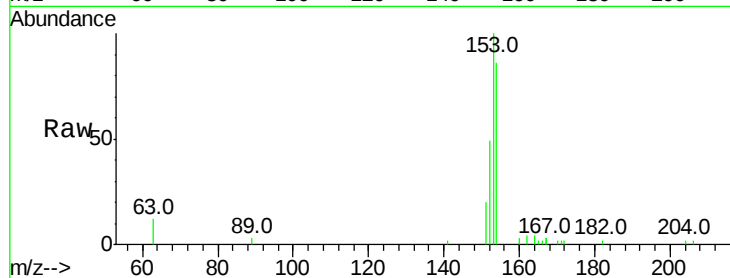
Tot Ion:154 Resp: 4954

Ion Ratio Lower Upper

154 100

153 112.8 91.8 137.6

152 53.6 44.9 67.3



#18

Fluorene

Concen: 0.262 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

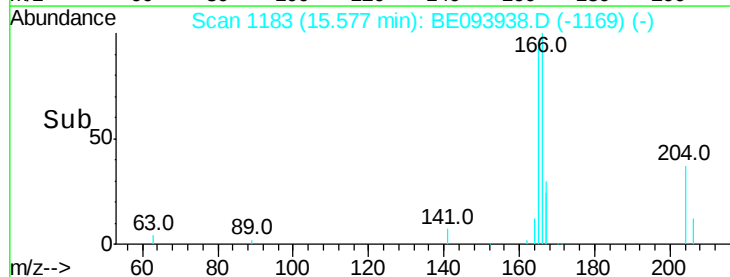
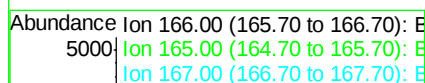
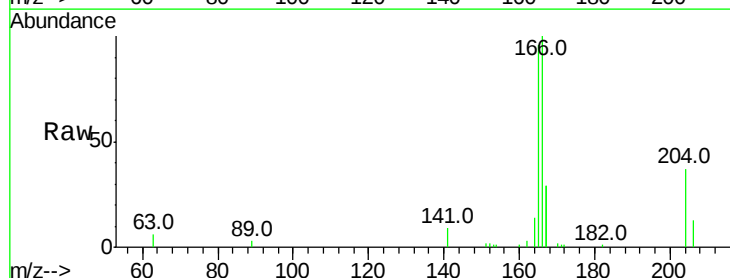
Tgt Ion:166 Resp: 6623

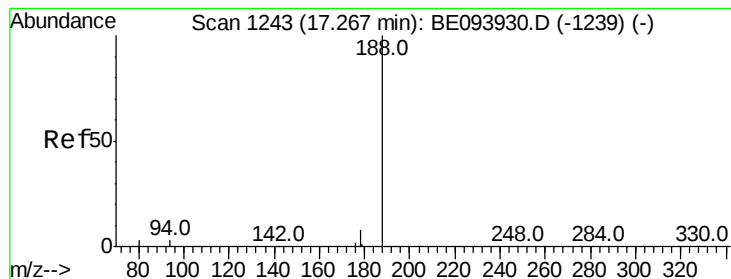
Ion Ratio Lower Upper

166 100

165 99.7 79.4 119.0

167 54.6 43.5 65.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

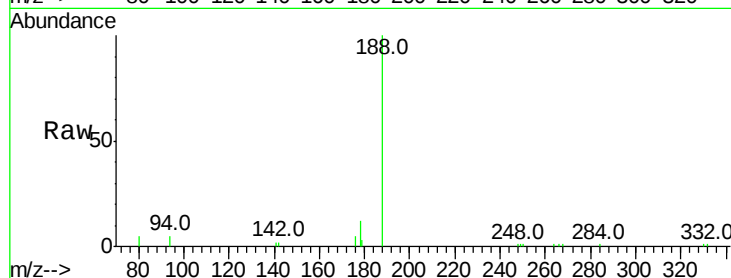
Tot Ion:188 Resp: 12214

Ion Ratio Lower Upper

188 100

94 5.0 16.1 24.1#

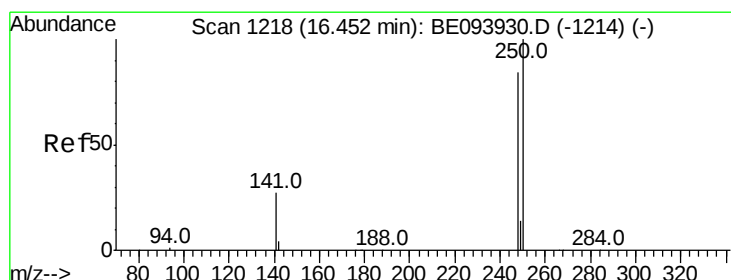
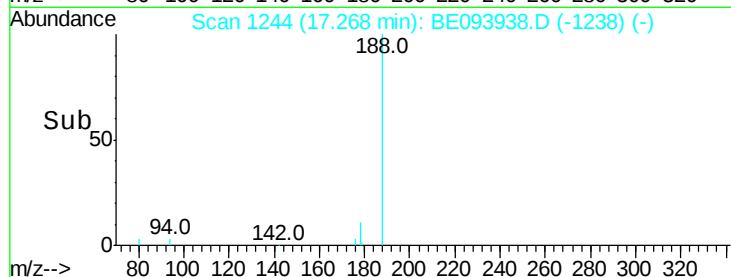
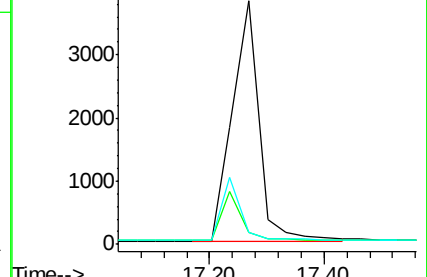
80 5.0 18.2 27.2#



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: 0.229 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

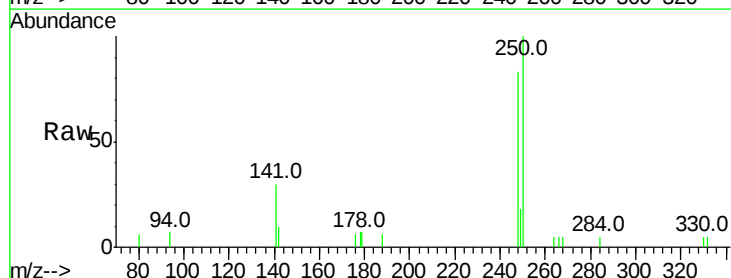
Tgt Ion:248 Resp: 1876

Ion Ratio Lower Upper

248 100

250 120.5 111.8 167.8

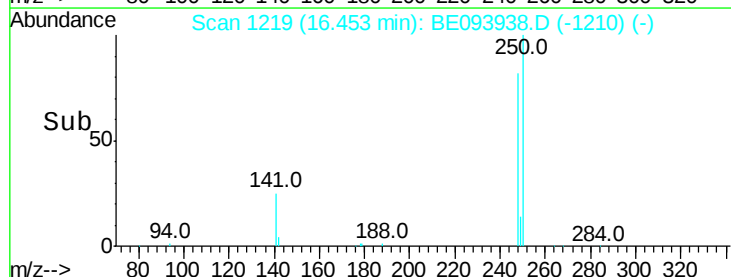
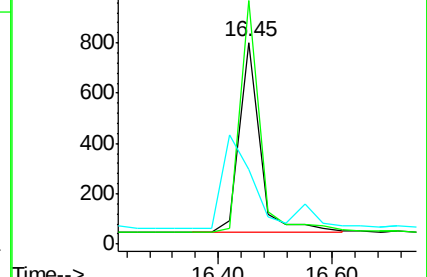
141 36.7 27.1 40.7



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: 0.244 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

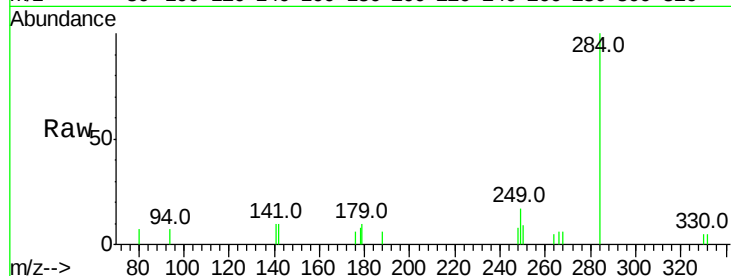
Tot Ion:284 Resp: 1758

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

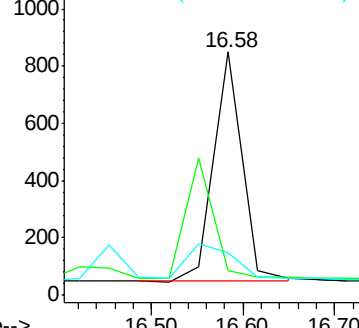
249 0.0 0.0 0.0



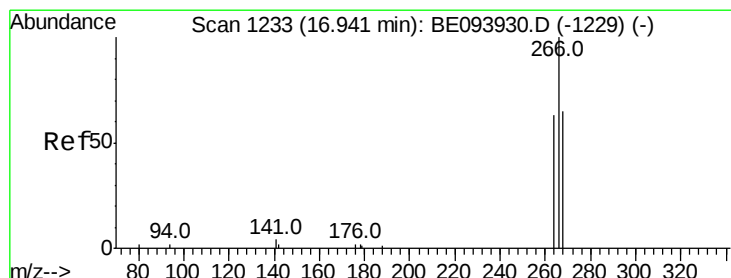
Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



Time-->



#22

Pentachlorophenol

Concen: 0.392 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

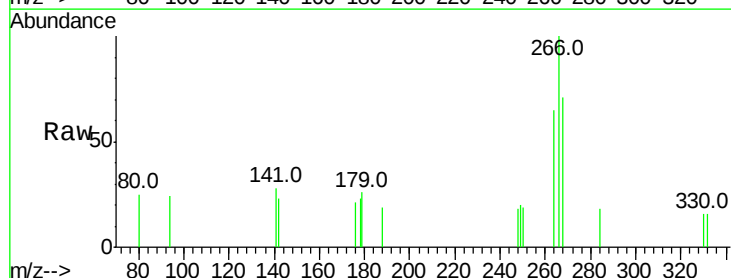
Tgt Ion:266 Resp: 759

Ion Ratio Lower Upper

266 100

264 65.4 53.5 80.3

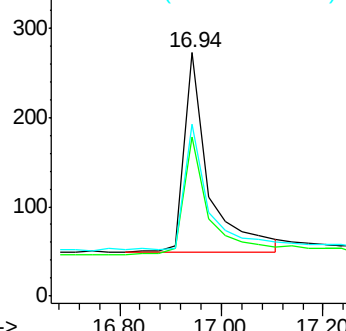
268 70.6 60.0 90.0



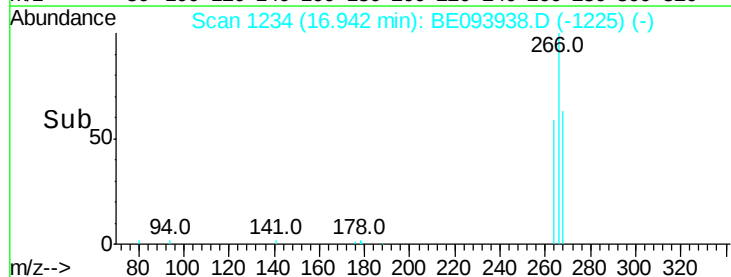
Abundance Ion 266.00 (265.70 to 266.70): E

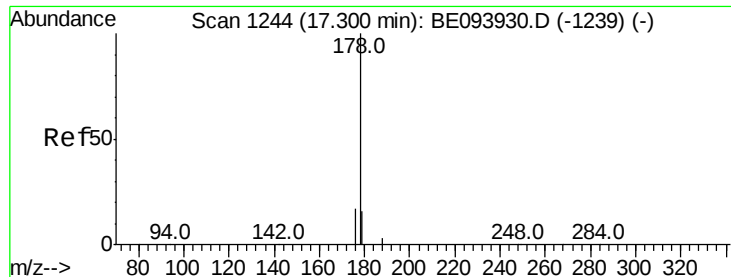
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.285 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

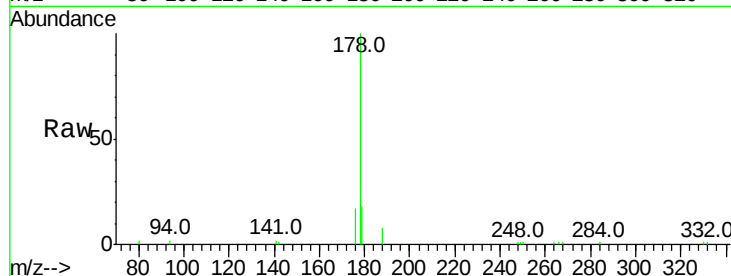
Tot Ion:178 Resp: 13224

Ion Ratio Lower Upper

178 100

176 18.6 0.0 0.0#

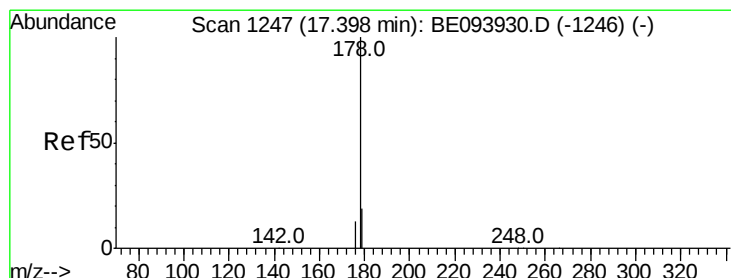
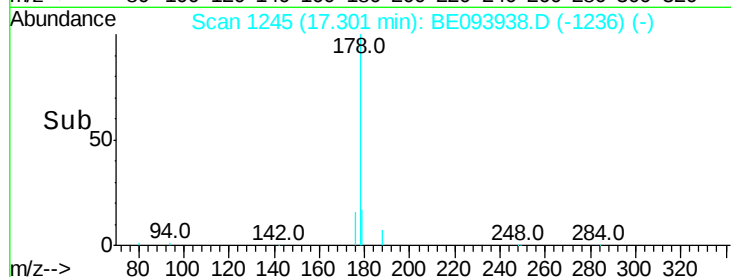
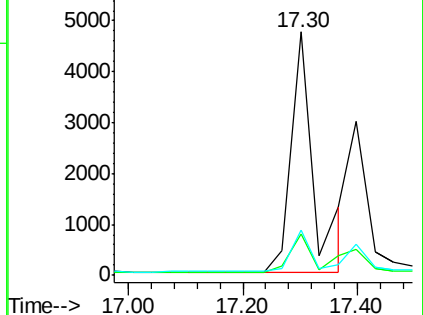
179 15.9 12.6 18.8



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: 0.355 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

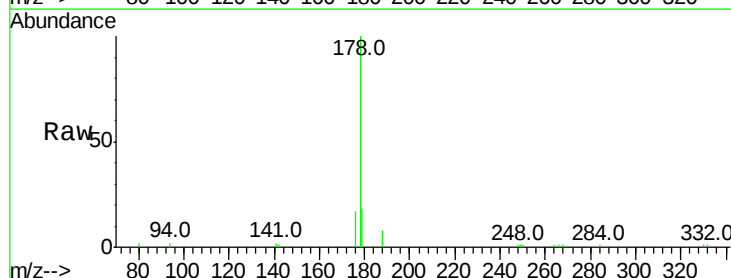
Tgt Ion:178 Resp: 13215

Ion Ratio Lower Upper

178 100

176 18.5 16.0 24.0

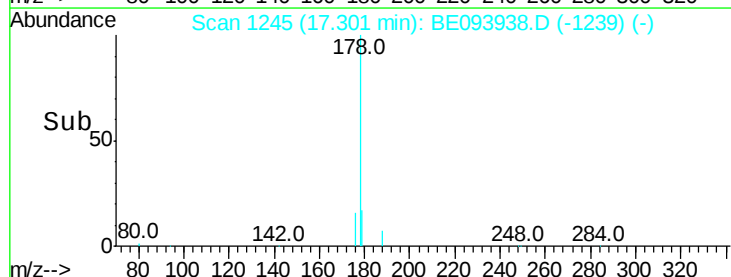
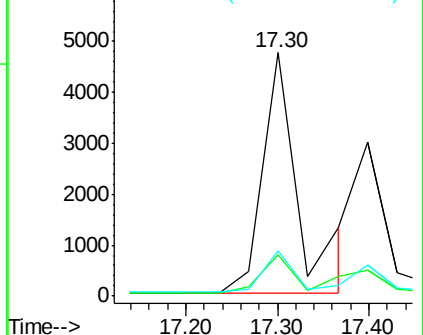
179 15.9 0.0 0.0#

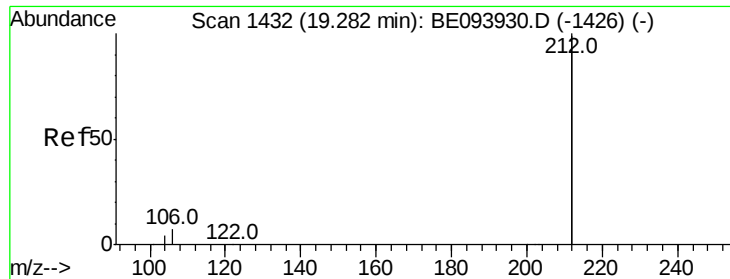


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

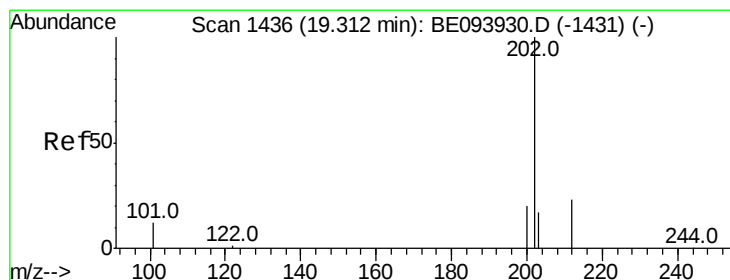
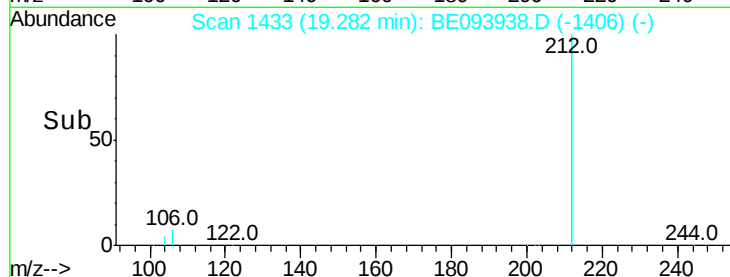
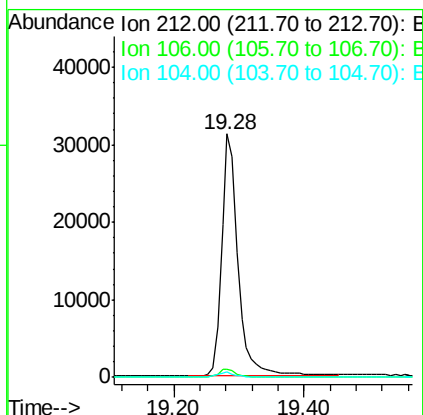
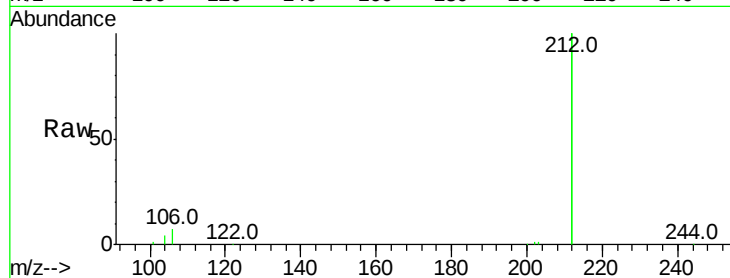




#25
 Fluoranthene-d10
 Concen: 0.298 ng
 RT: 19.28 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BE093938.D
 Acq: 5 Sep 2017 15:54

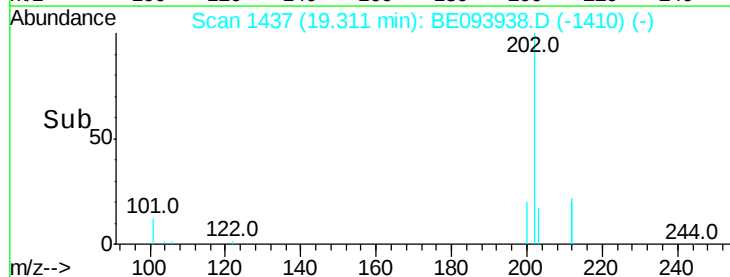
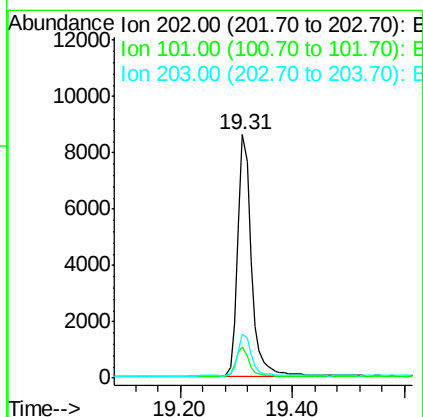
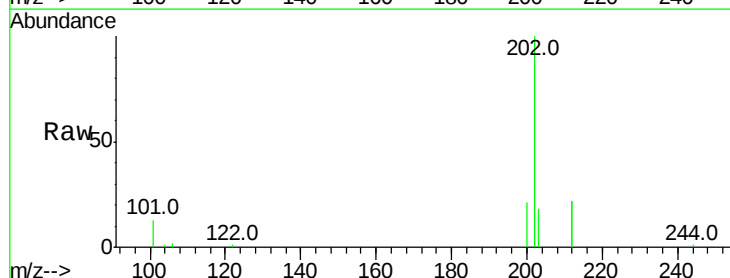
Instrument :
 BNA_E
 ClientSampleId :
 PB102046BS

Tot Ion:212 Resp: 54193
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.7 4.1
 104 1.9 1.6 2.4



#26
 Fluoranthene
 Concen: 0.270 ng
 RT: 19.31 min Scan# 1437
 Delta R.T. -0.00 min
 Lab File: BE093938.D
 Acq: 5 Sep 2017 15:54

Tgt Ion:202 Resp: 14712
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.7 14.5
 203 16.9 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

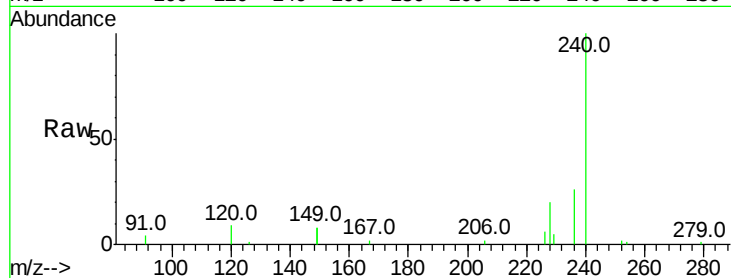
Tot Ion:240 Resp: 17908

Ion Ratio Lower Upper

240 100

120 8.7 8.7 13.1

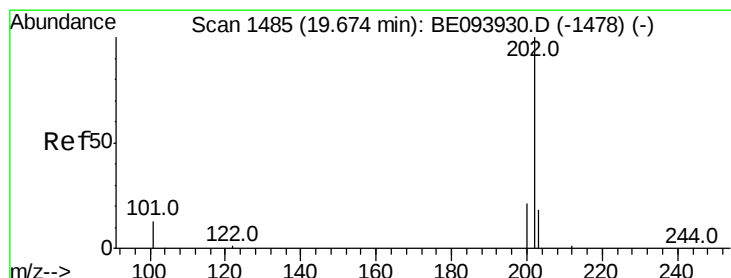
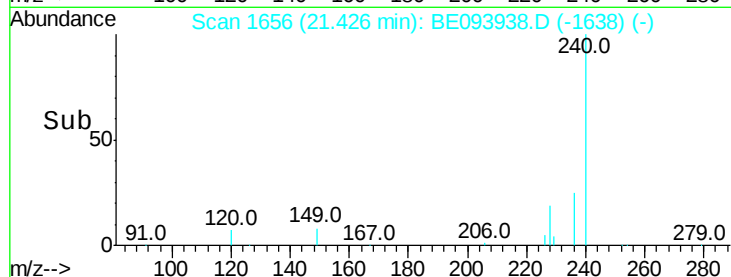
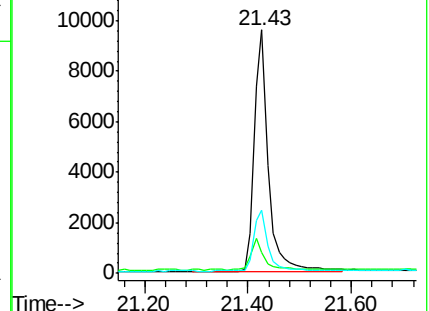
236 25.8 21.3 31.9



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: 0.245 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

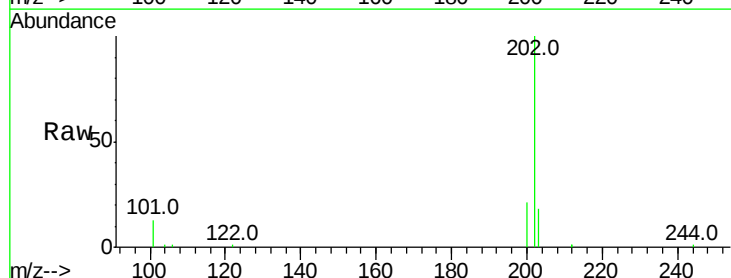
Tgt Ion:202 Resp: 15075

Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

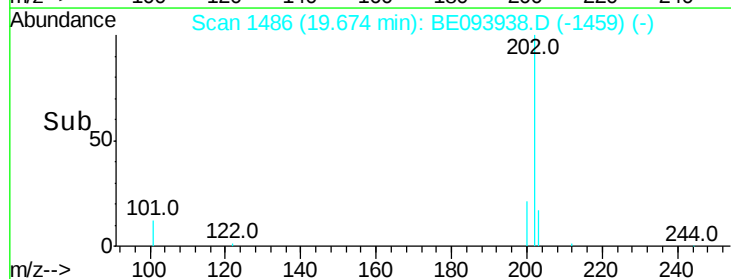
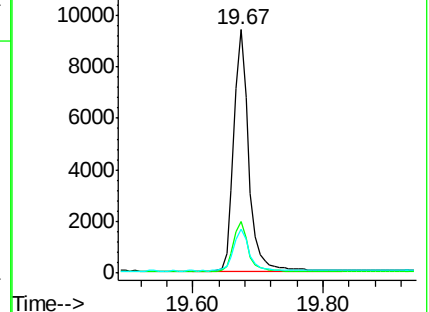
203 18.0 14.2 21.4

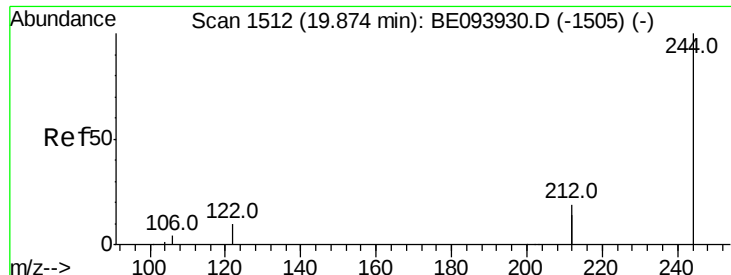


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.348 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

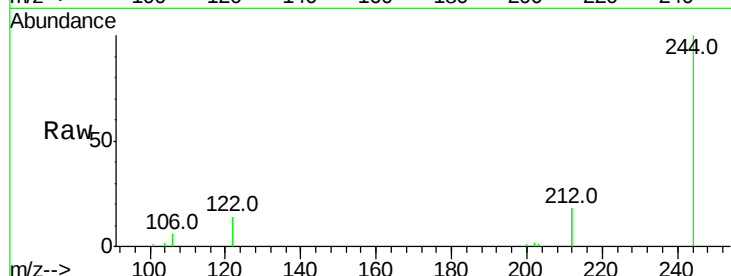
Tot Ion:244 Resp: 11481

Ion Ratio Lower Upper

244 100

212 35.4 28.3 42.5

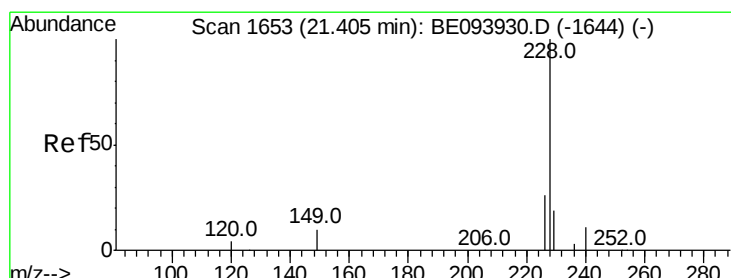
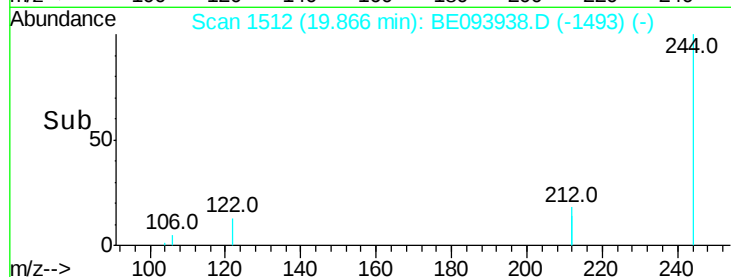
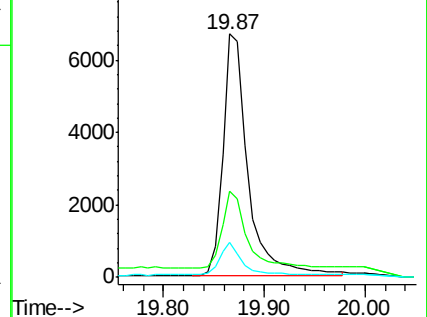
122 14.1 9.4 14.0#



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



#30

Benzo(a)anthracene

Concen: 0.256 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

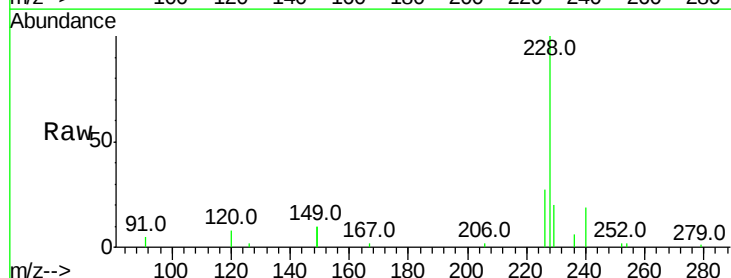
Tgt Ion:228 Resp: 14075

Ion Ratio Lower Upper

228 100

226 26.8 20.8 31.2

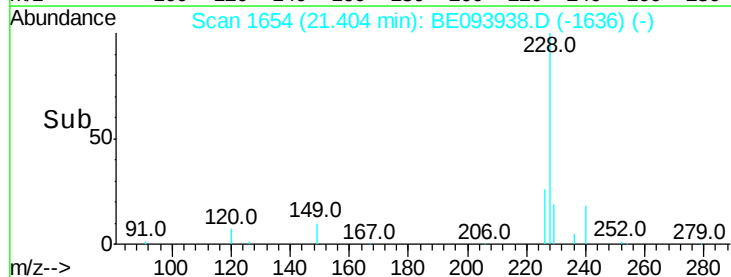
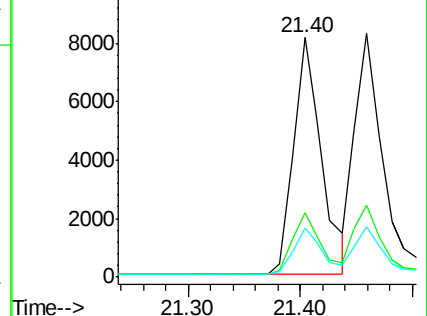
229 20.5 16.6 25.0

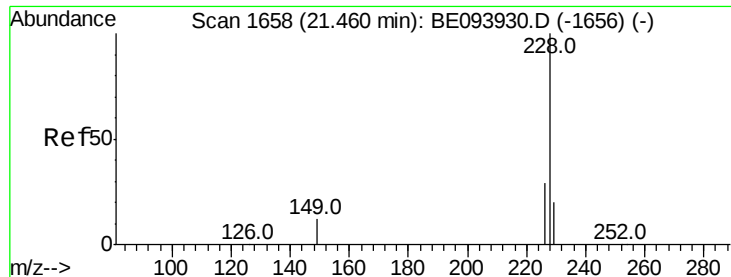


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.252 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

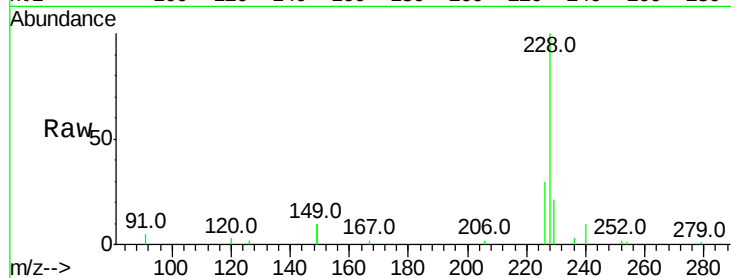
Tot Ion:228 Resp: 14668

Ion Ratio Lower Upper

228 100

226 29.5 24.6 37.0

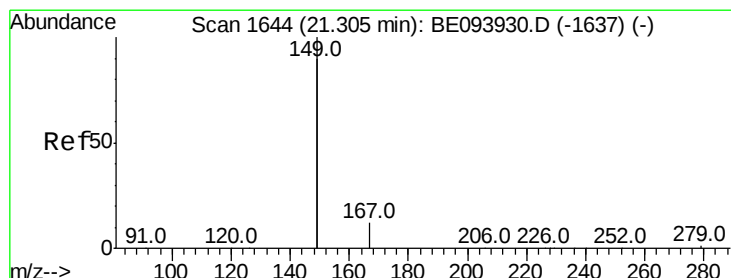
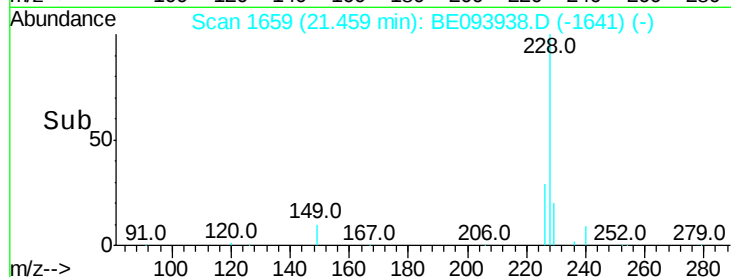
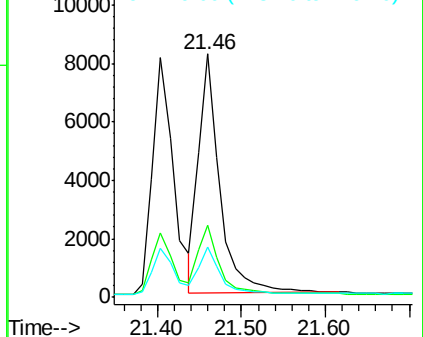
229 20.6 15.8 23.8



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: 0.289 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

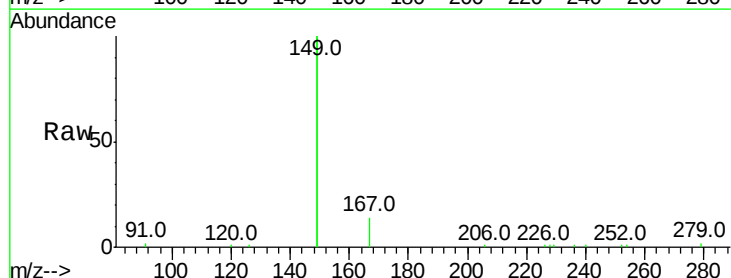
Tgt Ion:149 Resp: 38591

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

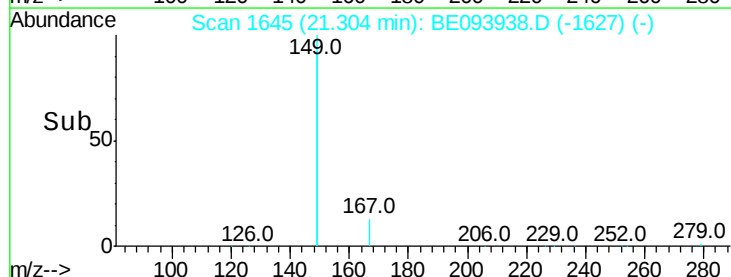
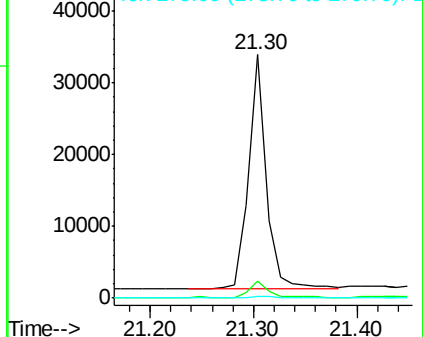
279 0.9 0.7 1.1



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: 0.248 ng

RT: 26.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

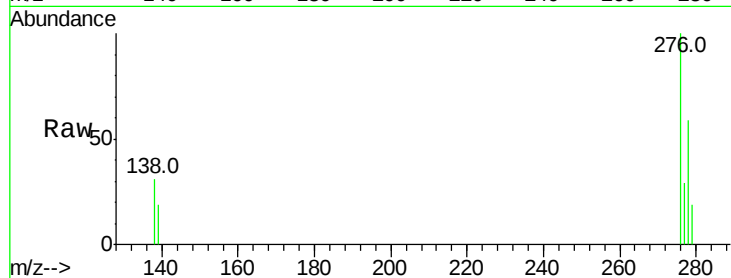
Tot Ion:276 Resp: 9607

Ion Ratio Lower Upper

276 100

138 24.5 22.2 33.2

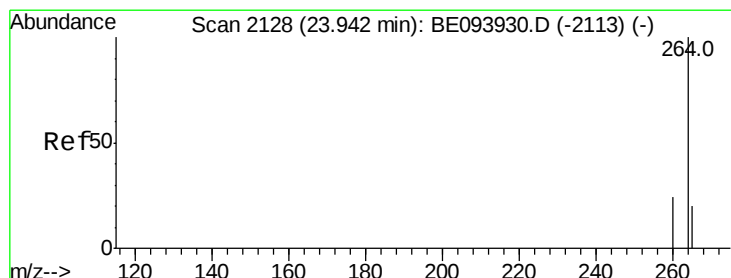
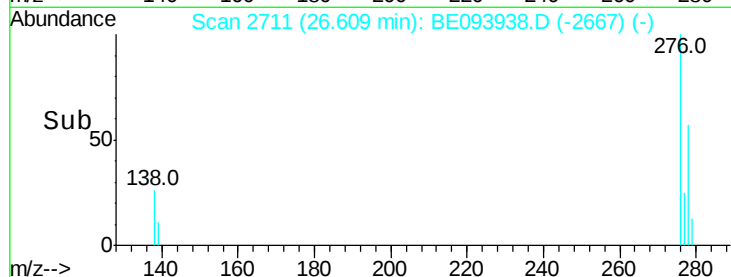
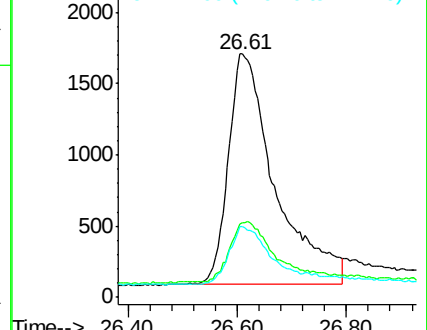
277 22.1 19.5 29.3



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: 23.94 min Scan# 2129

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

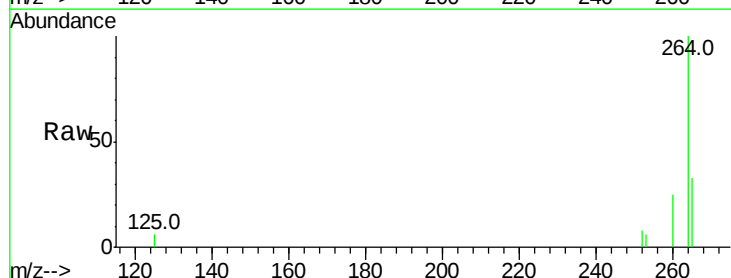
Tgt Ion:264 Resp: 14355

Ion Ratio Lower Upper

264 100

260 24.7 20.0 30.0

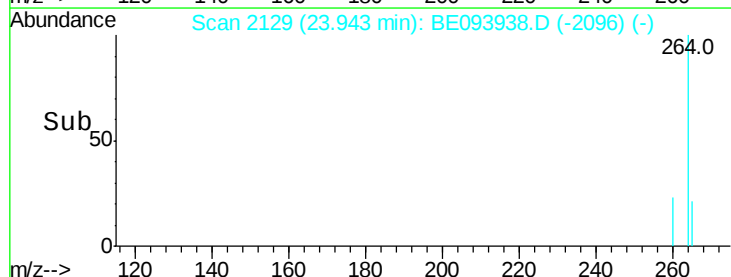
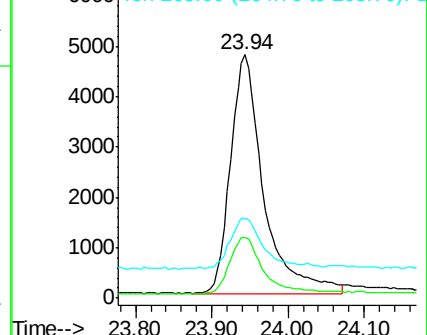
265 32.9 24.0 36.0



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: 0.259 ng

RT: 23.16 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

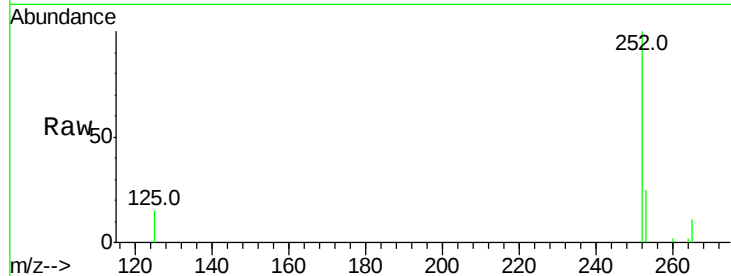
Tot Ion:252 Resp: 11847

Ion Ratio Lower Upper

252 100

253 25.1 19.4 29.0

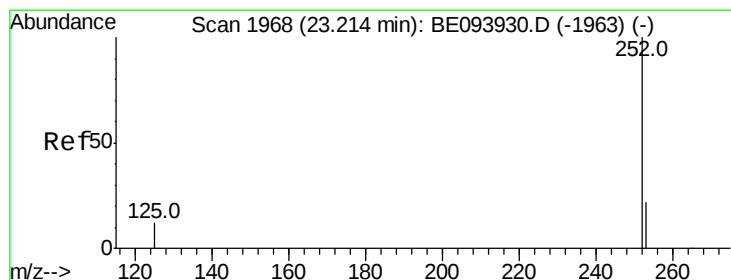
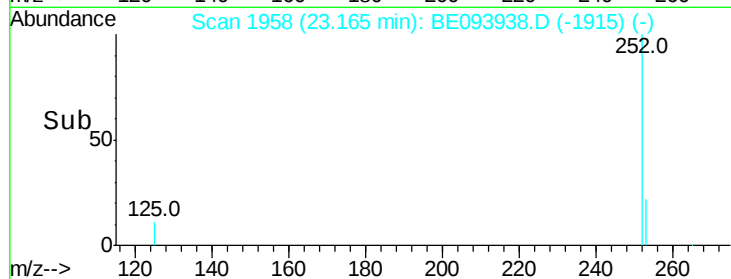
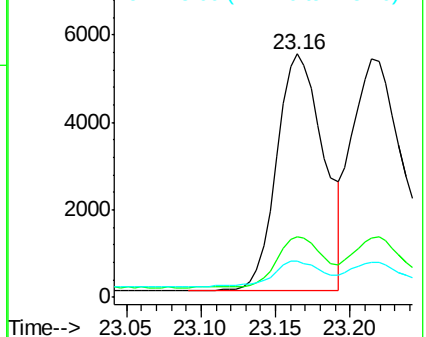
125 14.9 10.0 15.0



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: 0.273 ng

RT: 23.21 min Scan# 1969

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

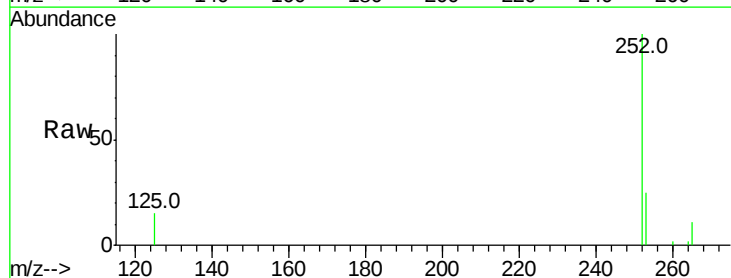
Tgt Ion:252 Resp: 15303

Ion Ratio Lower Upper

252 100

253 25.1 18.1 27.1

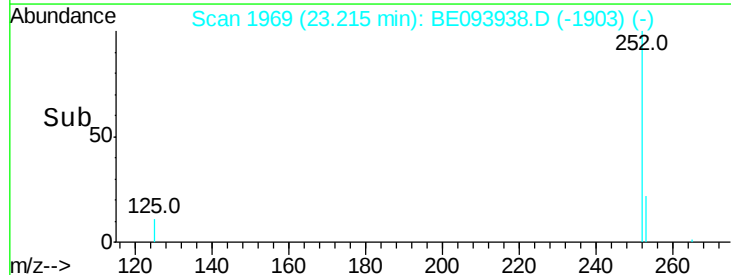
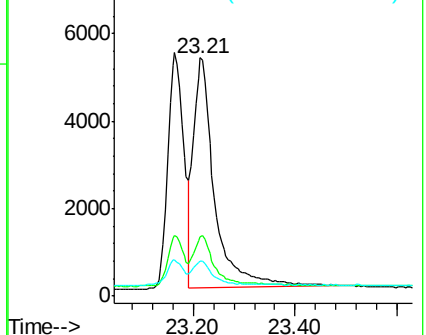
125 14.8 9.8 14.6#



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: 0.262 ng

RT: 23.83 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS

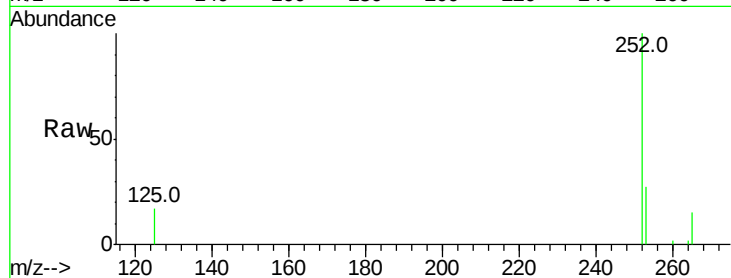
Tot Ion:252 Resp: 12185

Ion Ratio Lower Upper

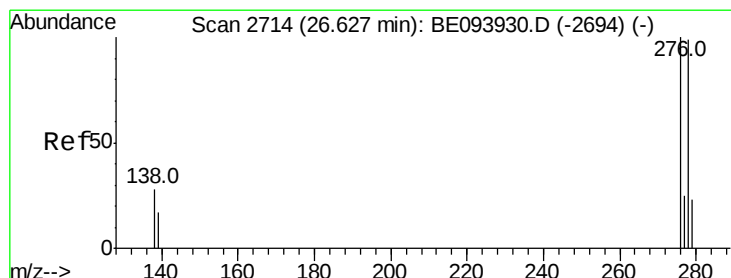
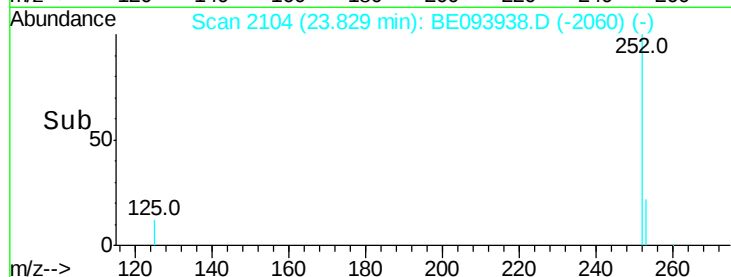
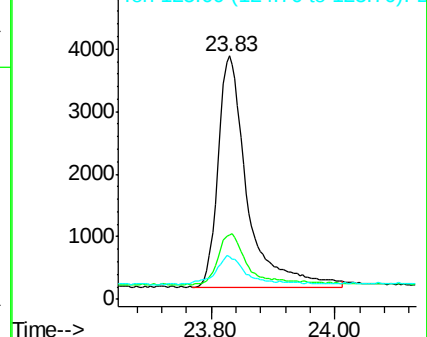
252 100

253 26.7 19.6 29.4

125 17.4 11.8 17.8



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: 0.245 ng

RT: 26.63 min Scan# 2716

Delta R.T. 0.01 min

Lab File: BE093938.D

Acq: 5 Sep 2017 15:54

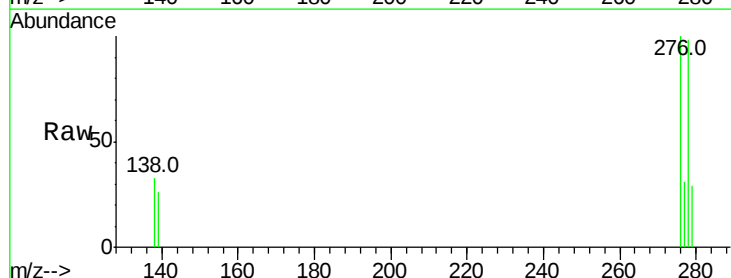
Tgt Ion:278 Resp: 7569

Ion Ratio Lower Upper

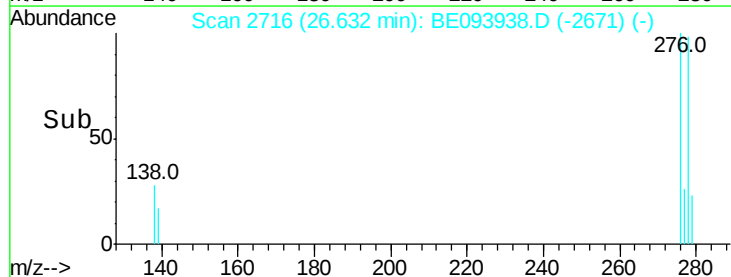
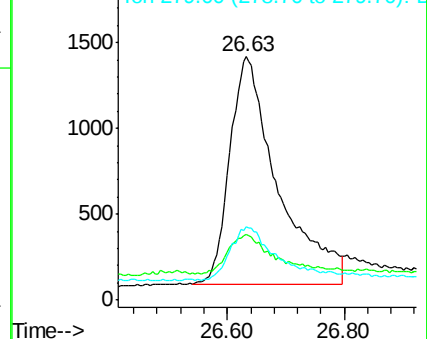
278 100

139 26.7 16.7 25.1#

279 30.0 21.6 32.4



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: 0.253 ng

RT: 27.42 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BE093938.D

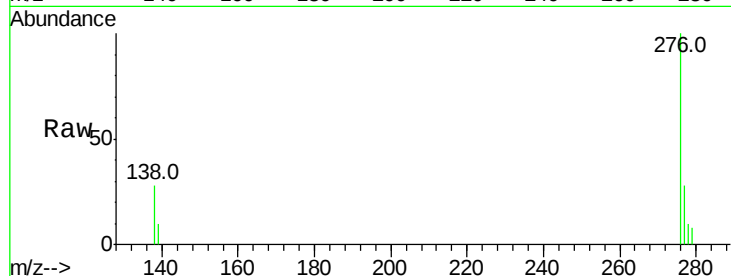
Acq: 5 Sep 2017 15:54

Instrument :

BNA_E

ClientSampleId :

PB102046BS



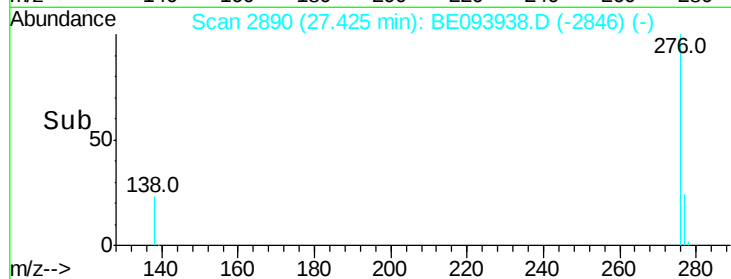
Tot Ion: 276 Resp: 8236

Ion Ratio Lower Upper

276 100

277 28.0 20.6 30.8

138 28.2 21.9 32.9



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

