

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
 Data File : BE093983.D
 Acq On : 13 Sep 2017 11:15
 Operator : SJ/JU
 Sample : PB102153BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB102153BSD

Quant Time: Sep 14 00:51:53 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	2159	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	10104	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	5816	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	12441	0.40	ng	0.00
27) Chrysene-d12	21.42	240	17155	0.40	ng	-0.01
34) Perylene-d12	23.94	264	12877	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.53	112	2011	0.29	ng	0.00
5) Phenol-d6	7.11	99	2685	0.26	ng	0.00
8) Nitrobenzene-d5	9.08	82	2447	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	4667	0.29	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	514	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	6148	0.27	ng	0.00
25) Fluoranthene-d10	19.28	212	51938	0.28	ng	0.00
29) Terphenyl-d14	19.87	244	9730	0.31	ng	0.00

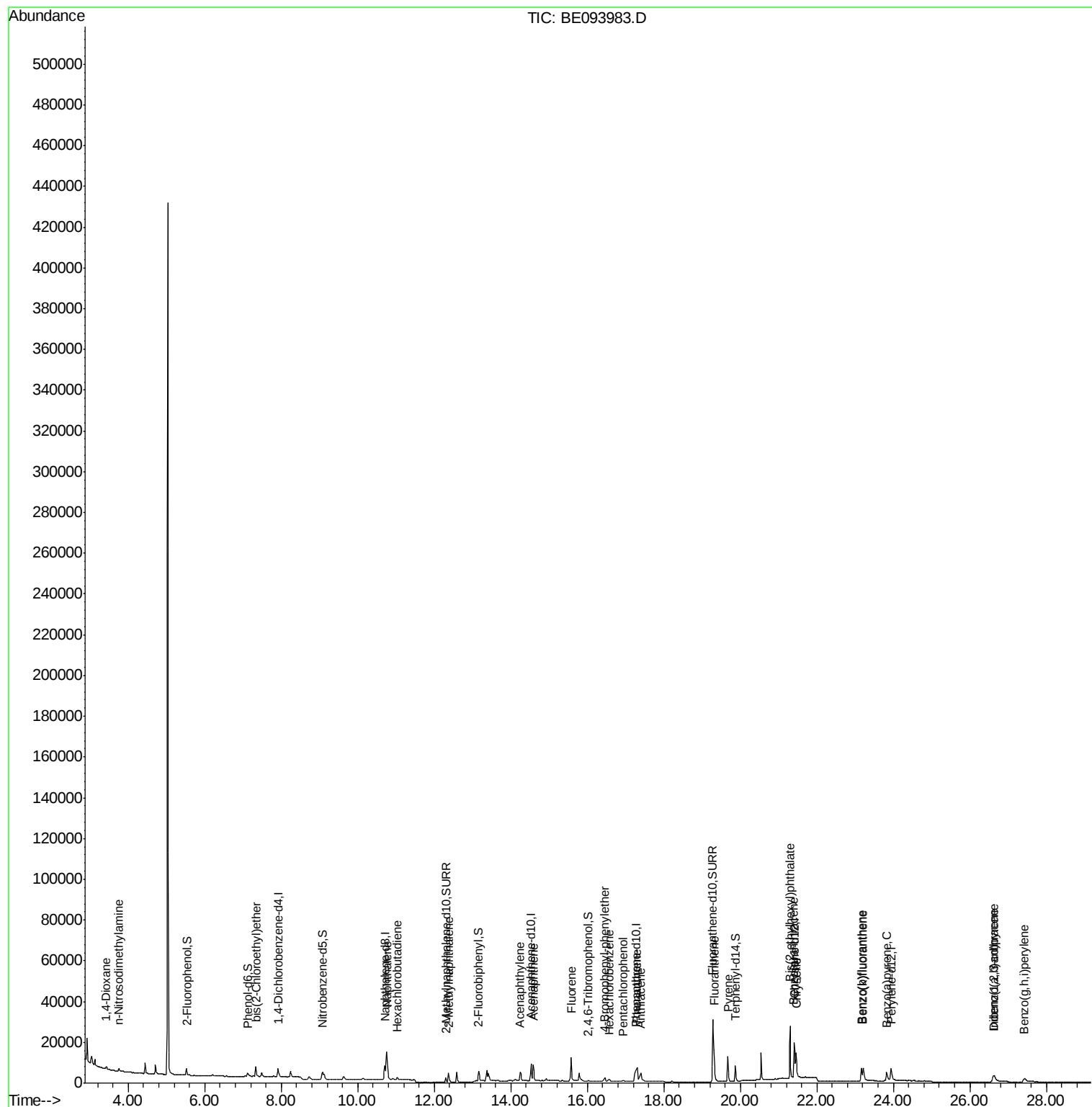
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	903	0.303	ng	# 31
3) n-Nitrosodimethylamine	3.74	42	1170	0.336	ng	# 84
6) bis(2-Chloroethyl)ether	7.34	93	2233	0.261	ng	87
9) Naphthalene	10.76	128	29225	0.252	ng	100
10) Hexachlorobutadiene	11.02	225	1060	0.252	ng	98
12) 2-Methylnaphthalene	12.37	142	4889	0.254	ng	99
16) Acenaphthylene	14.24	152	6906	0.238	ng	99
17) Acenaphthene	14.58	154	4873	0.248	ng	99
18) Fluorene	15.58	166	6447	0.255	ng	100
20) 4-Bromophenyl-phenylether	16.45	248	1907	0.228	ng	# 81
21) Hexachlorobenzene	16.58	284	1635	0.223	ng	# 100
22) Pentachlorophenol	16.94	266	780	0.395	ng	98
23) Phenanthrene	17.30	178	12842	0.263	ng	# 99
24) Anthracene	17.40	178	7152	0.189	ng	# 56
26) Fluoranthene	19.31	202	13927	0.251	ng	100
28) Pyrene	19.67	202	14379	0.244	ng	100
30) Benzo(a)anthracene	21.40	228	12961	0.246	ng	98
31) Chrysene	21.46	228	13321	0.239	ng	98
32) Bis(2-ethylhexyl)phthalate	21.30	149	32384	0.253	ng	100
33) Indeno(1,2,3-cd)pyrene	26.61	276	7714	0.208	ng	97
35) Benzo(b)fluoranthene	23.17	252	9997	0.244	ng	97
36) Benzo(k)fluoranthene	23.21	252	12641	0.252	ng	95
37) Benzo(a)pyrene	23.83	252	10412	0.249	ng	# 94
38) Dibenzo(a,h)anthracene	26.64	278	6177	0.223	ng	# 91
39) Benzo(g,h,i)perylene	27.43	276	6792	0.233	ng	97

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

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE091317\
Data File : BE093983.D
Acq On : 13 Sep 2017 11:15
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Sample : PB102153BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Sep 14 00:51:53 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: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

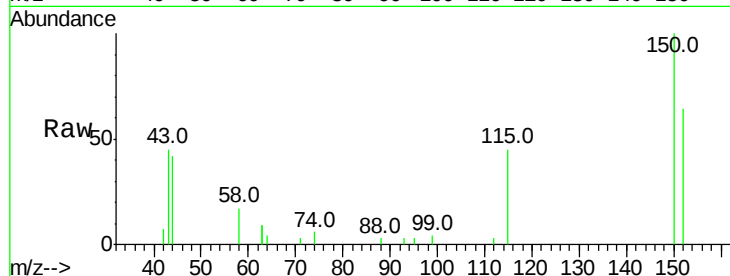
Tot Ion:152 Resp: 2159

Ion Ratio Lower Upper

152 100

150 156.8 121.8 182.6

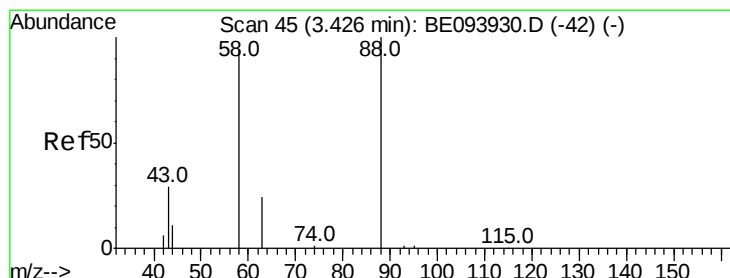
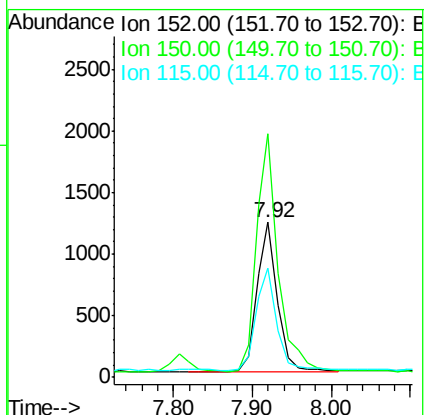
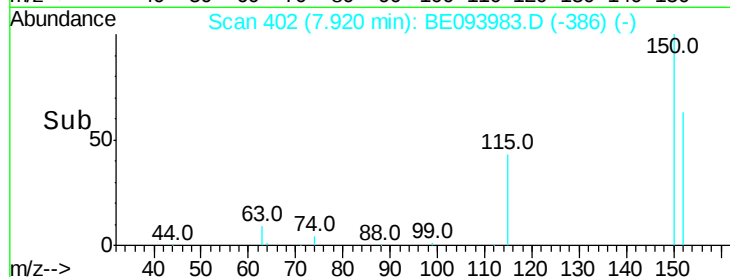
115 70.2 52.6 79.0



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: 0.303 ng

RT: 3.43 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

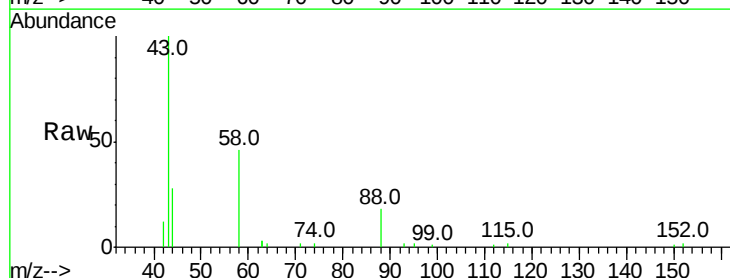
Tgt Ion: 88 Resp: 903

Ion Ratio Lower Upper

88 100

58 147.6 65.4 98.0#

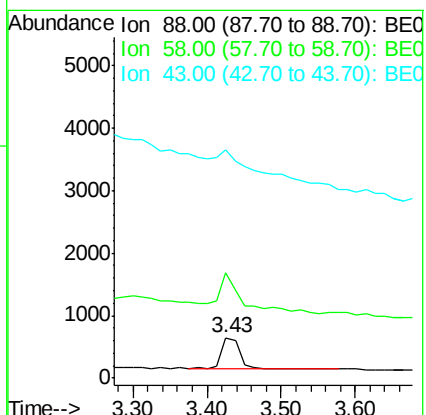
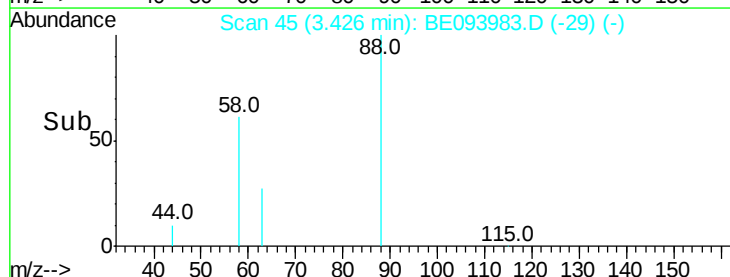
43 0.0 23.9 35.9#



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: 0.336 ng

RT: 3.74 min Scan# 70

Delta R.T. -0.01 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

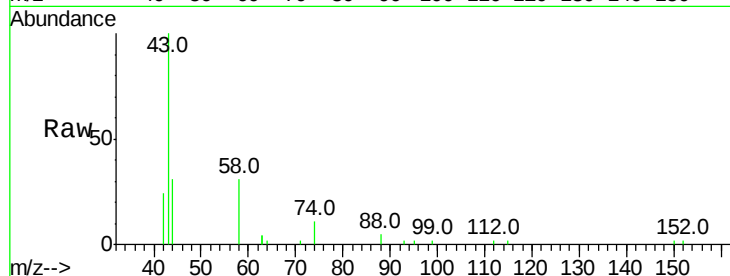
Tot Ion: 42 Resp: 1170

Ion Ratio Lower Upper

42 100

74 112.8 104.0 156.0

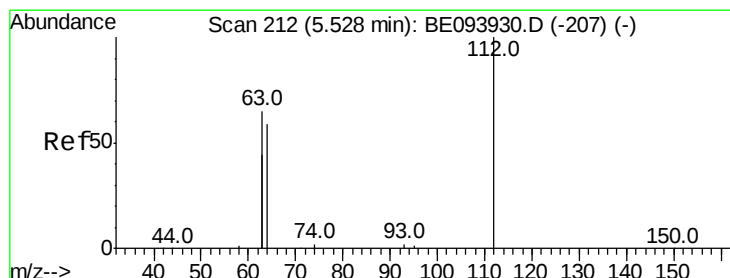
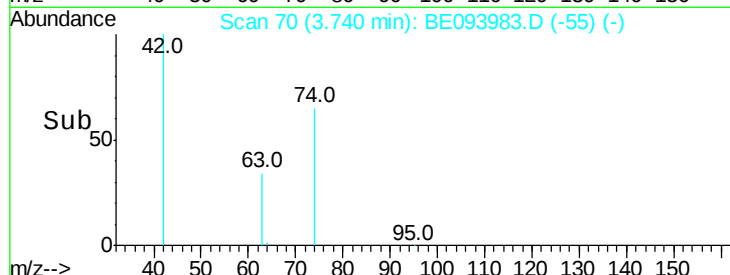
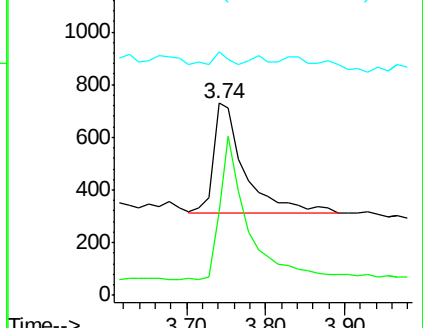
44 5.8 13.8 20.8#



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: 0.288 ng

RT: 5.53 min Scan# 212

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

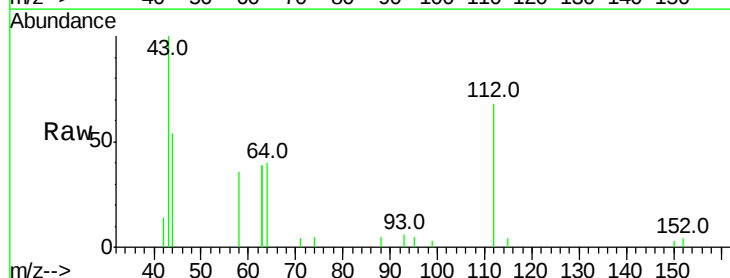
Tgt Ion: 112 Resp: 2011

Ion Ratio Lower Upper

112 100

64 76.7 57.7 86.5

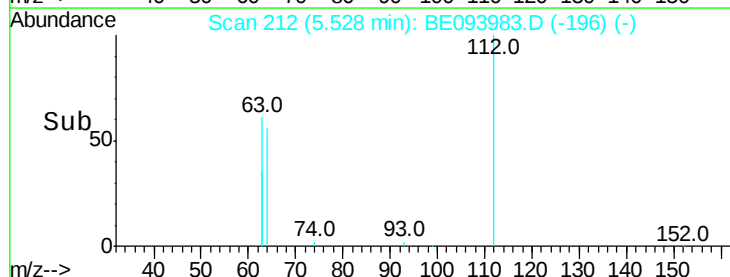
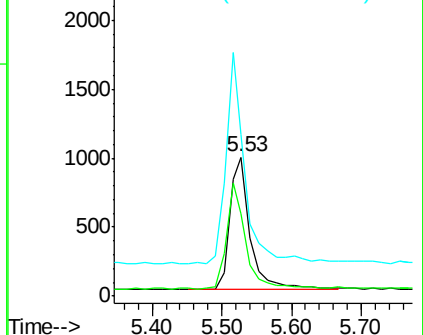
63 147.8 116.0 174.0

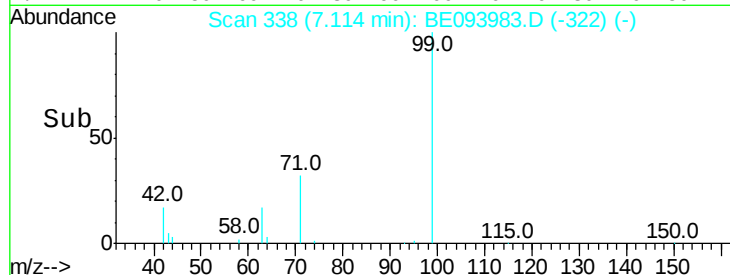
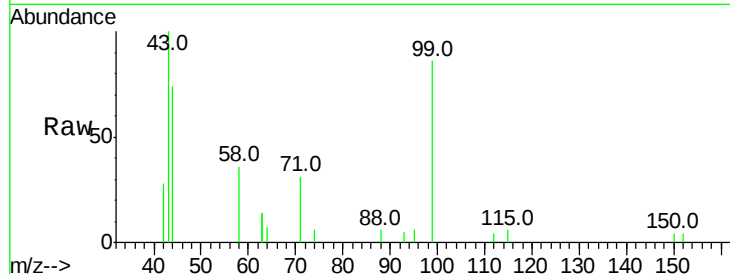
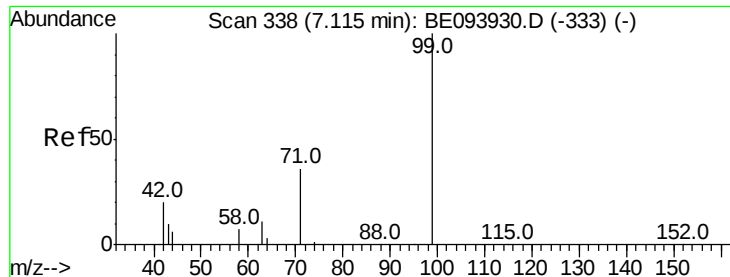


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.256 ng

RT: 7.11 min Scan# 338

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

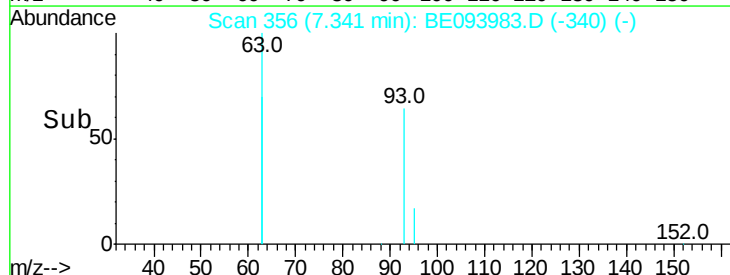
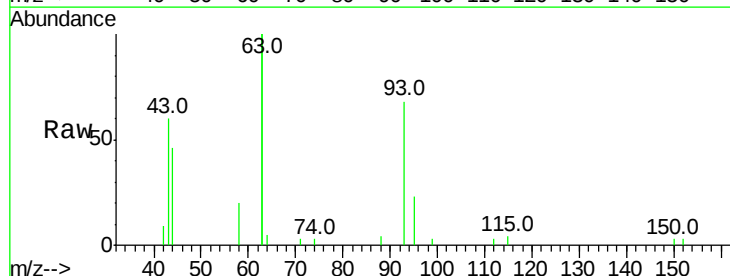
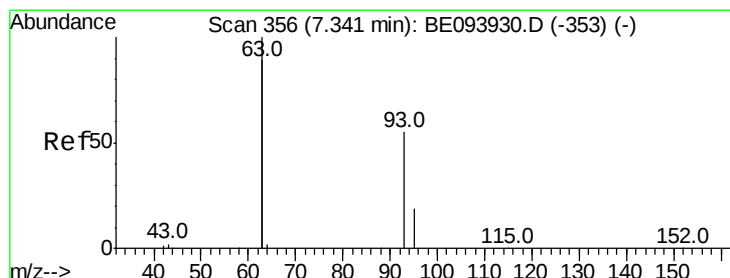
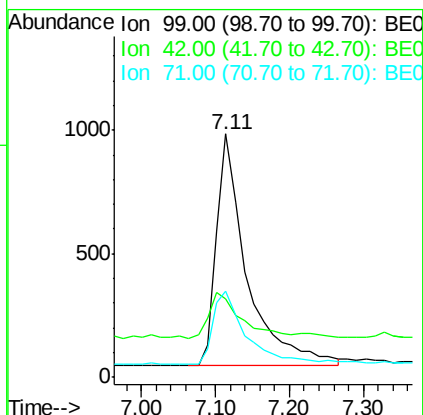
Tot Ion: 99 Resp: 2685

Ion Ratio Lower Upper

99 100

42 19.7 17.1 25.7

71 35.2 26.6 39.8



#6

bis(2-Chloroethyl)ether

Concen: 0.261 ng

RT: 7.34 min Scan# 356

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

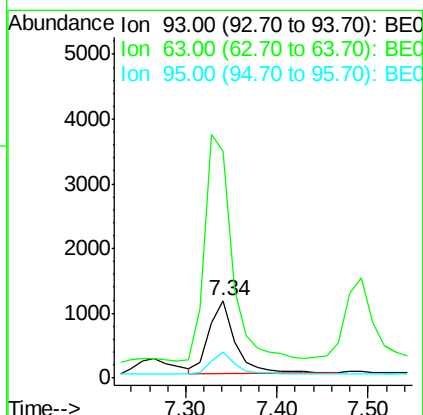
Tgt Ion: 93 Resp: 2233

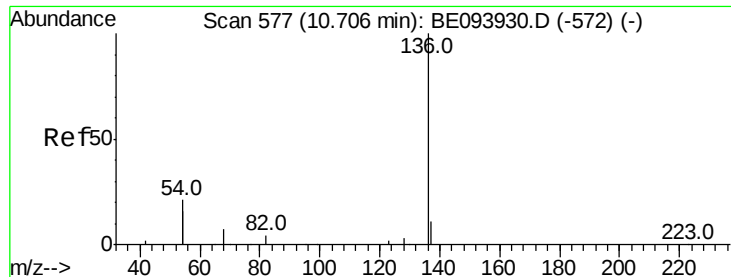
Ion Ratio Lower Upper

93 100

63 323.7 283.4 425.2

95 29.9 26.9 40.3





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

Tot Ion:136 Resp: 10104

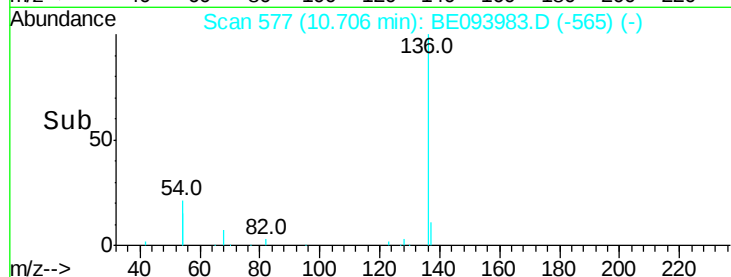
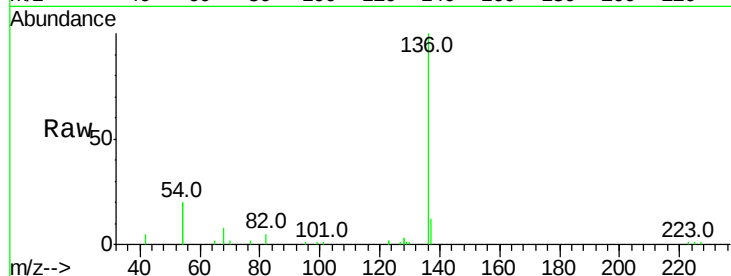
Ion Ratio Lower Upper

136 100

137 11.7 9.2 13.8

54 40.8 21.9 32.9#

68 8.2 4.6 7.0#

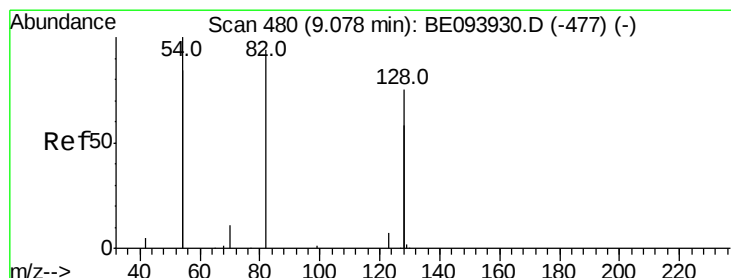
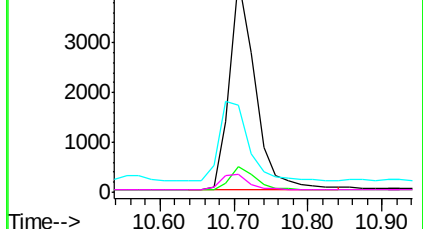


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.286 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

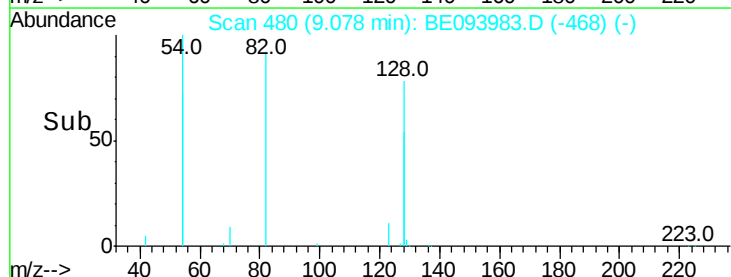
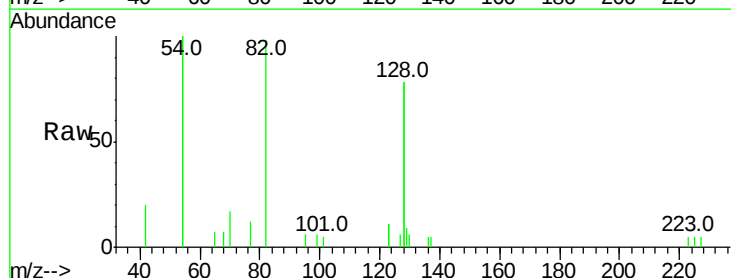
Tgt Ion: 82 Resp: 2447

Ion Ratio Lower Upper

82 100

128 159.5 91.4 137.0#

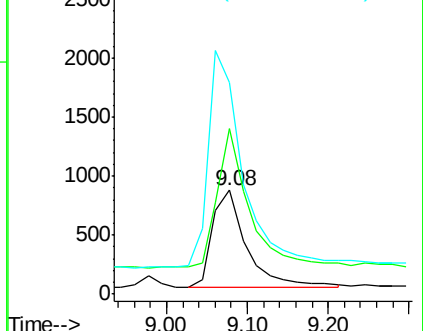
54 203.9 197.8 296.8



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: 0.252 ng

RT: 10.76 min Scan# 580

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

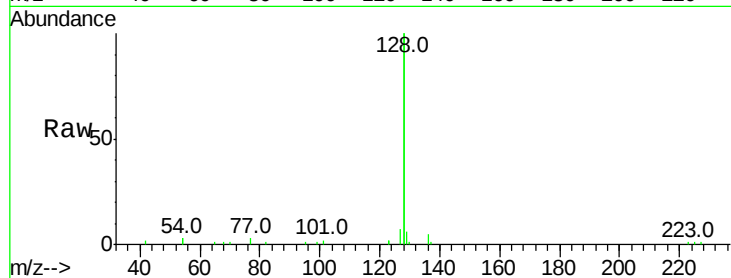
Tot Ion:128 Resp: 29225

Ion Ratio Lower Upper

128 100

129 3.0 2.5 3.7

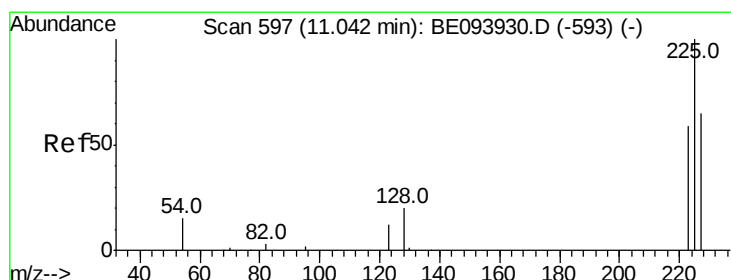
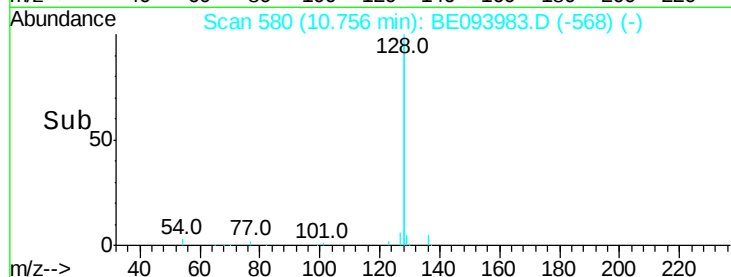
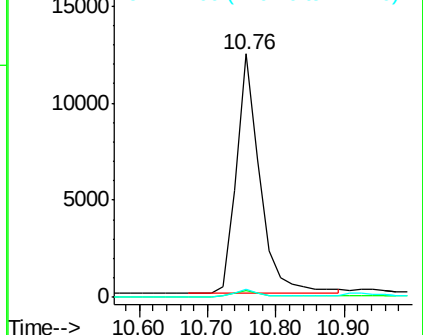
127 3.5 2.6 4.0



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: 0.252 ng

RT: 11.02 min Scan# 596

Delta R.T. -0.02 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

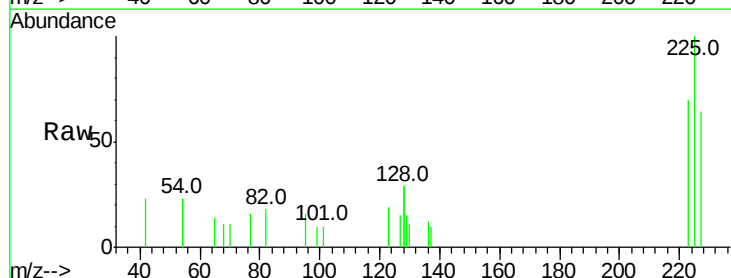
Tgt Ion:225 Resp: 1060

Ion Ratio Lower Upper

225 100

223 65.0 49.4 74.0

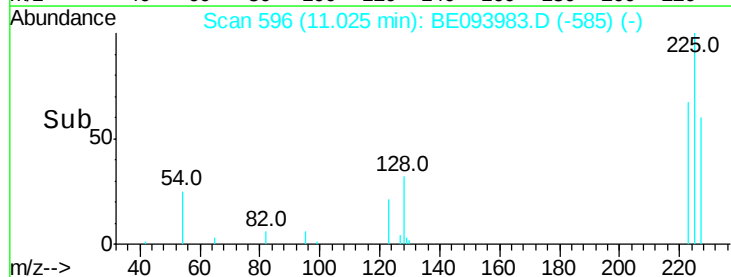
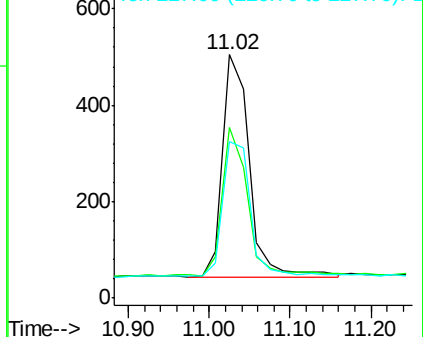
227 63.6 50.5 75.7



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: 0.289 ng

RT: 12.30 min Scan# 827

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

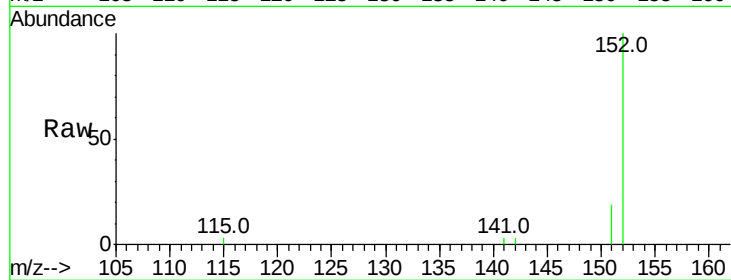
PB102153BSD

Tot Ion:152 Resp: 4667

Ion Ratio Lower Upper

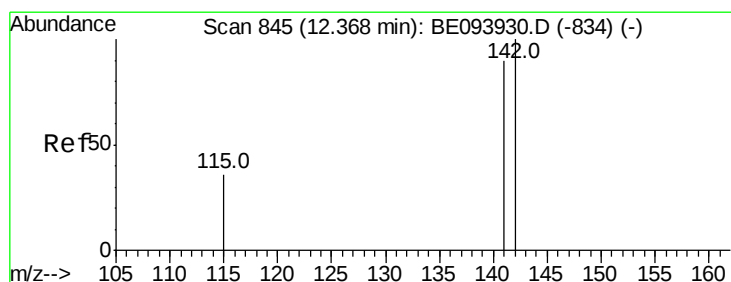
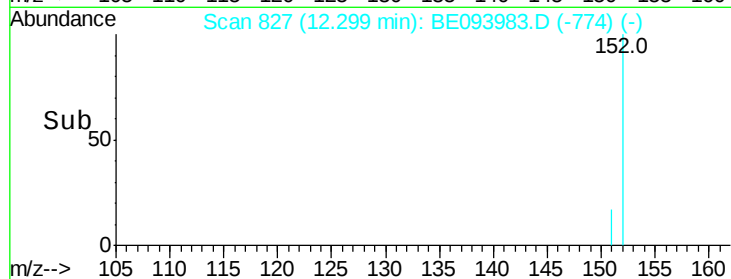
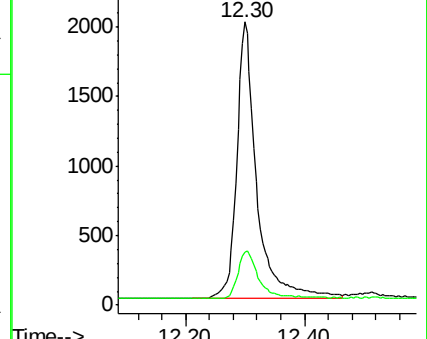
152 100

151 17.5 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.254 ng

RT: 12.37 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

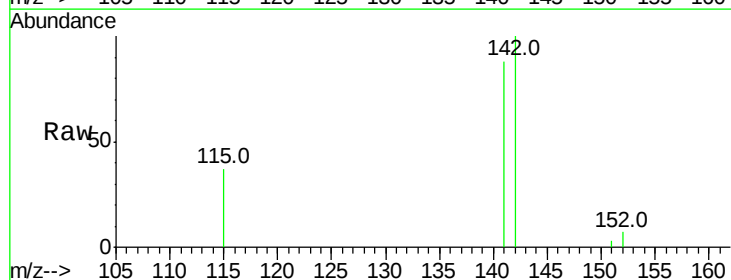
Tgt Ion:142 Resp: 4889

Ion Ratio Lower Upper

142 100

141 88.1 71.4 107.2

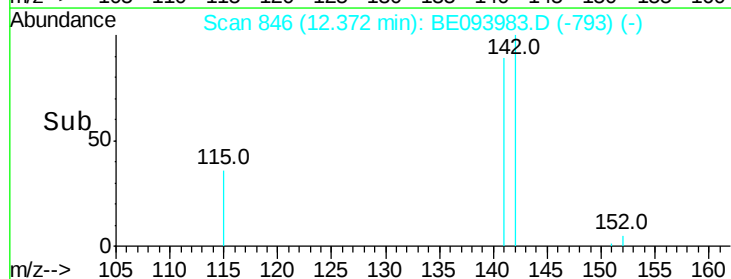
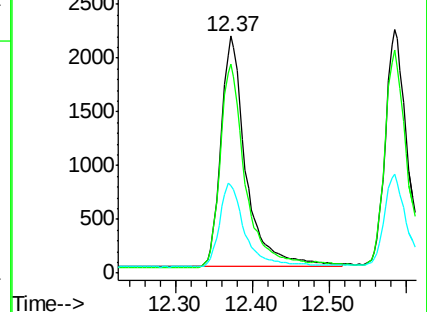
115 37.1 29.4 44.0

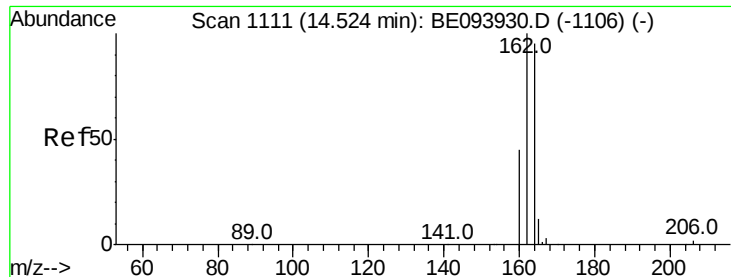


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

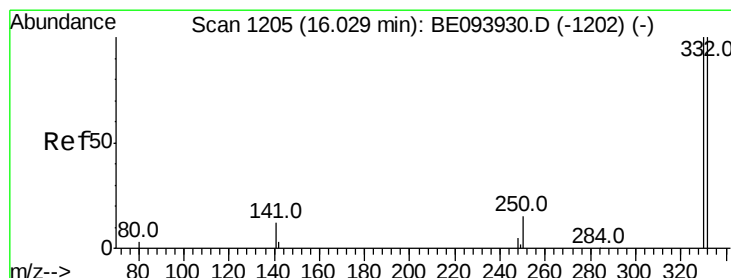
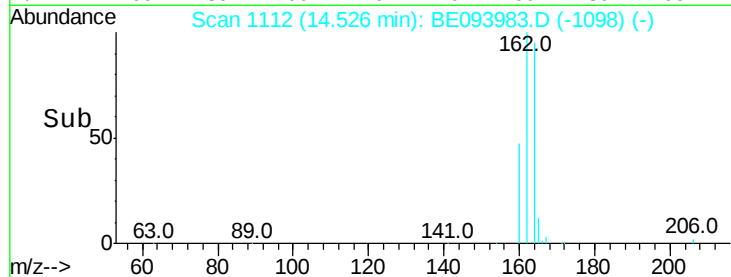
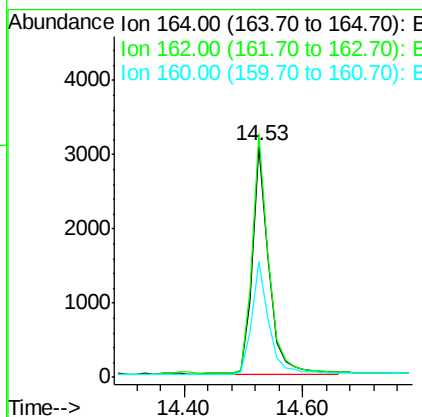
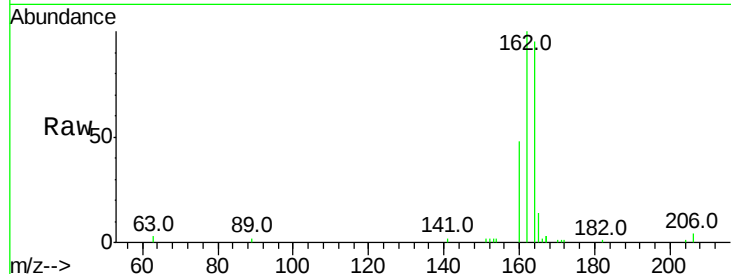




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.53 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: BE093983.D
 Acq: 13 Sep 2017 11:15

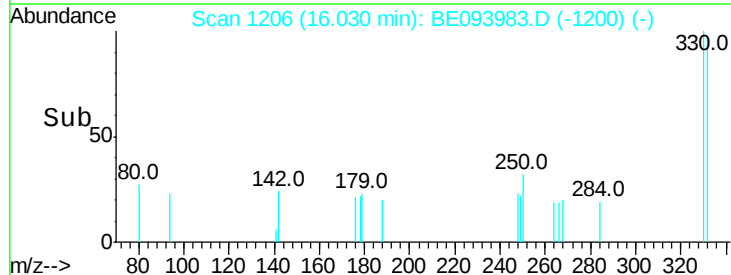
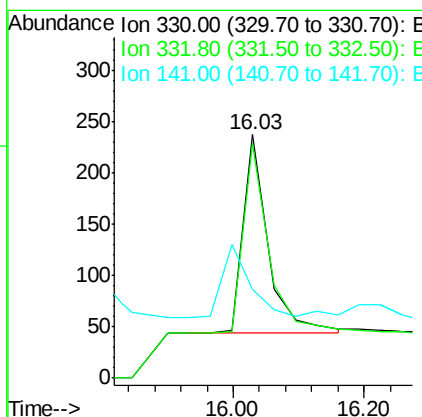
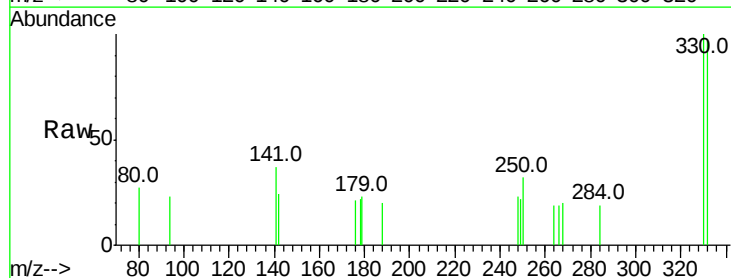
Instrument :
 BNA_E
 ClientSampleId :
 PB102153BSD

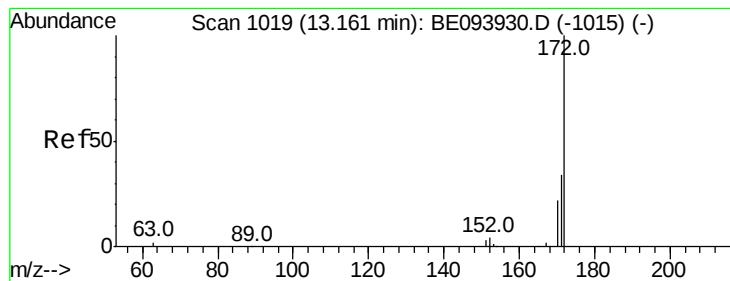
Tot Ion:164 Resp: 5816
 Ion Ratio Lower Upper
 164 100
 162 105.2 80.8 121.2
 160 50.0 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.285 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE093983.D
 Acq: 13 Sep 2017 11:15

Tgt Ion:330 Resp: 514
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.9 115.3
 141 0.0 0.0 0.0

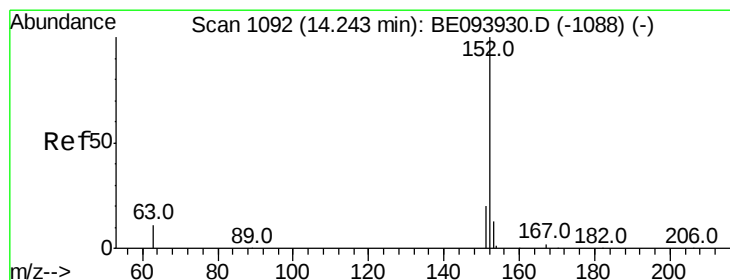
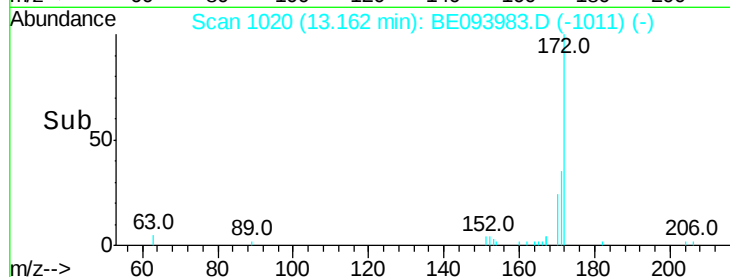
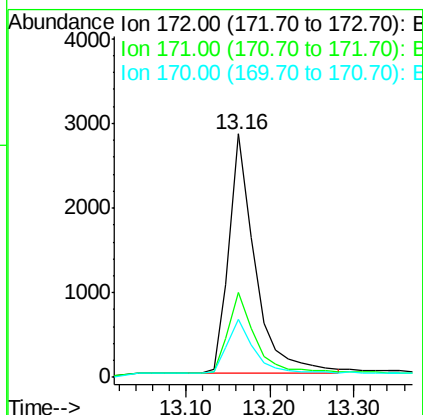
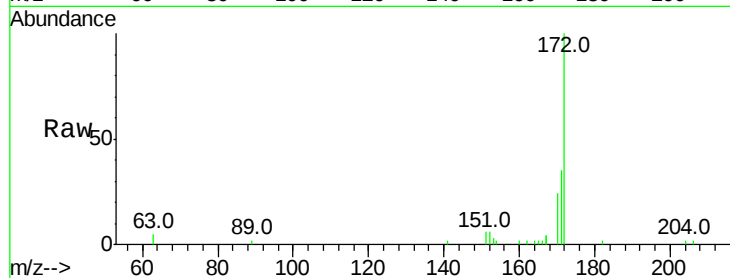




#15
2-Fluorobiphenyl
Concen: 0.267 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE093983.D
Acq: 13 Sep 2017 11:15

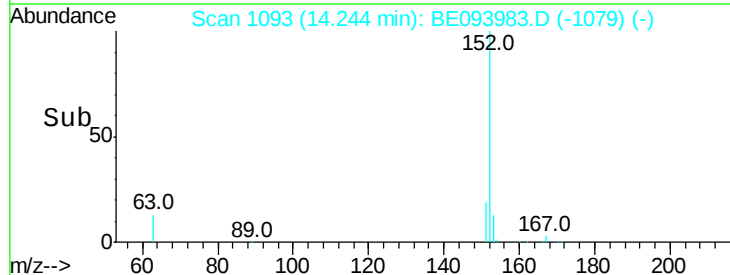
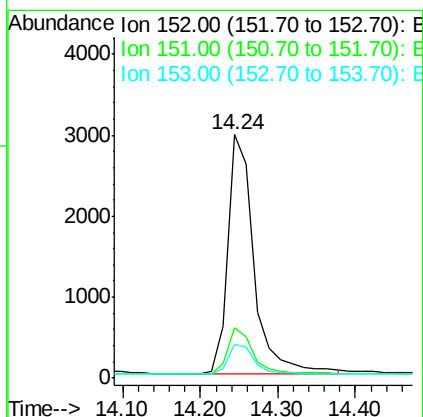
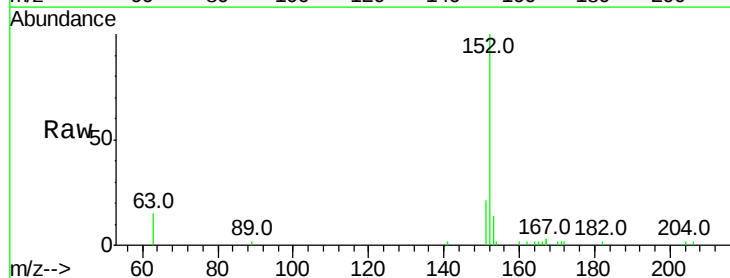
Instrument :
BNA_E
ClientSampleId :
PB102153BSD

Tot Ion:172 Resp: 6148
Ion Ratio Lower Upper
172 100
171 35.0 26.9 40.3
170 23.8 17.3 25.9



#16
Acenaphthylene
Concen: 0.238 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE093983.D
Acq: 13 Sep 2017 11:15

Tgt Ion:152 Resp: 6906
Ion Ratio Lower Upper
152 100
151 19.0 15.7 23.5
153 12.9 10.6 16.0

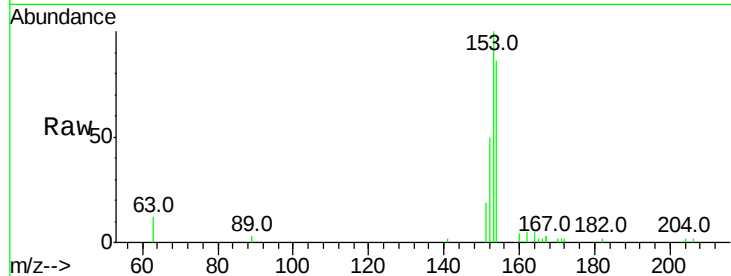




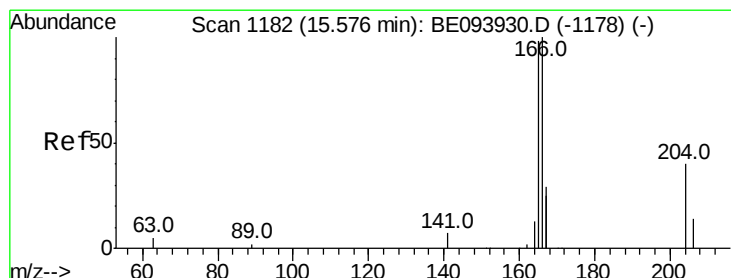
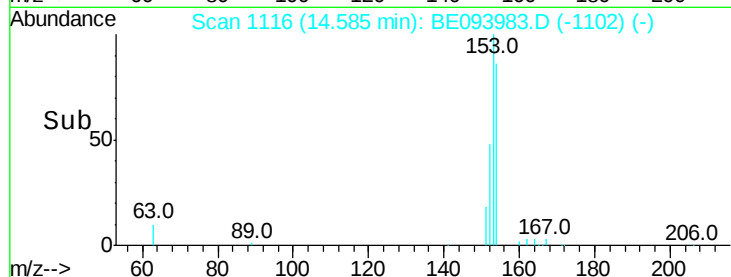
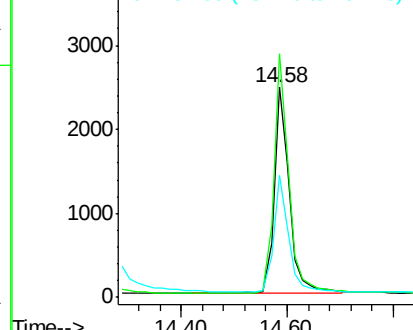
#17
Acenaphthene
Concen: 0.248 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE093983.D
Acq: 13 Sep 2017 11:15

Instrument :
BNA_E
ClientSampleId :
PB102153BSD

Tot Ion:154 Resp: 4873
Ion Ratio Lower Upper
154 100
153 114.2 91.8 137.6
152 55.2 44.9 67.3

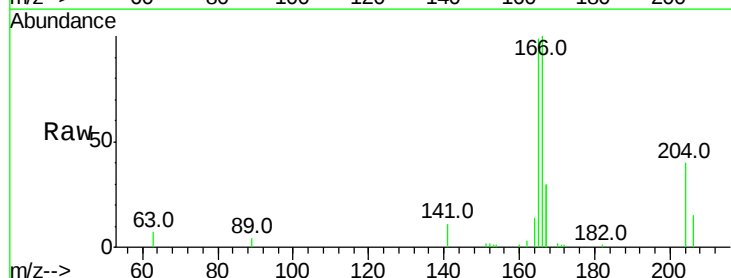


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

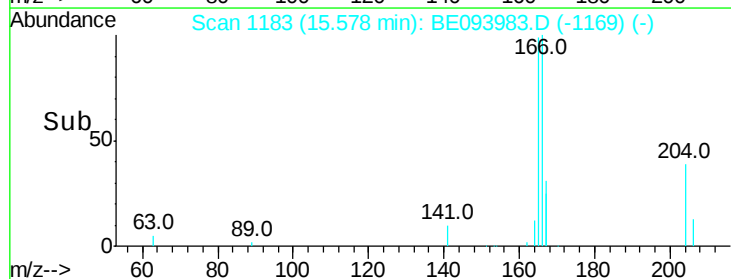
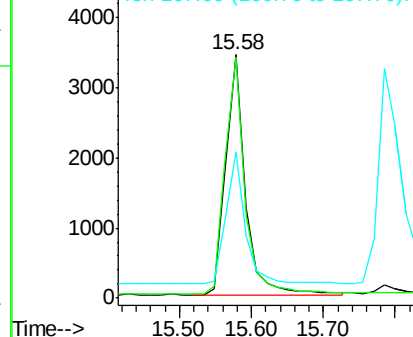


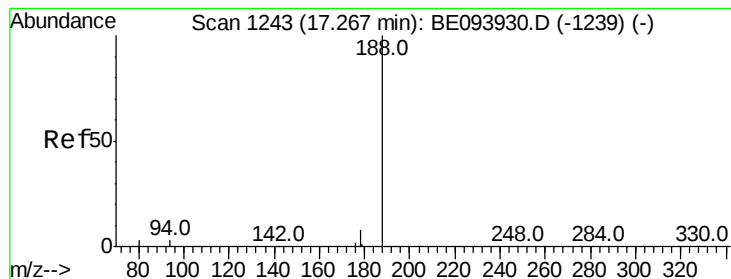
#18
Fluorene
Concen: 0.255 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE093983.D
Acq: 13 Sep 2017 11:15

Tgt Ion:166 Resp: 6447
Ion Ratio Lower Upper
166 100
165 99.8 79.4 119.0
167 54.4 43.5 65.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

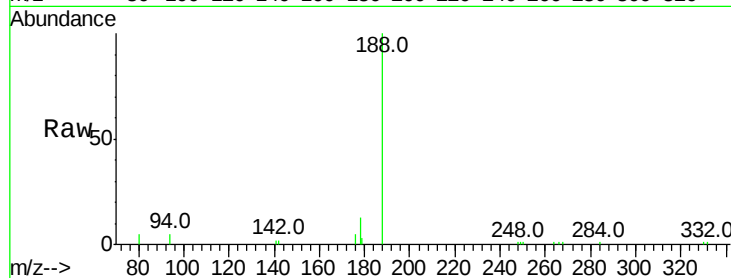
Tot Ion:188 Resp: 12441

Ion Ratio Lower Upper

188 100

94 5.5 16.1 24.1#

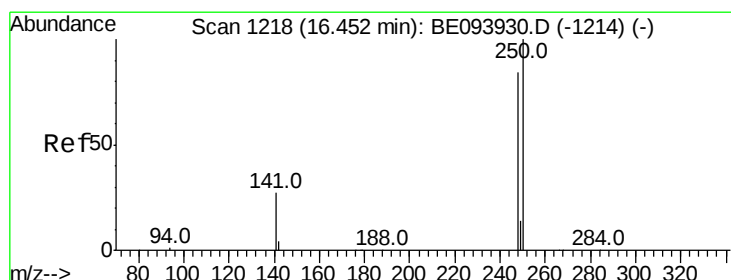
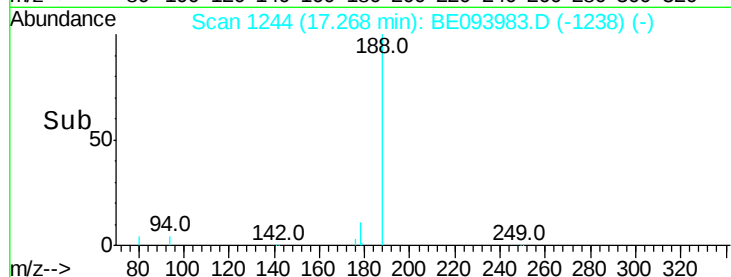
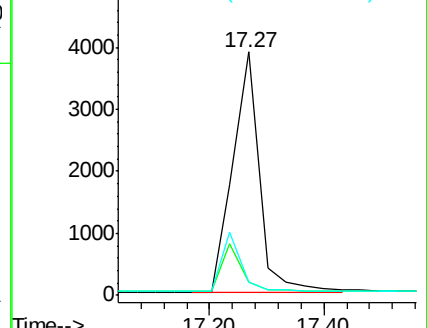
80 5.3 18.2 27.2#



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: 0.228 ng

RT: 16.45 min Scan# 1219

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

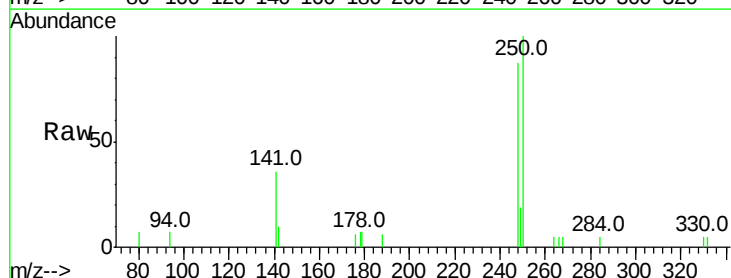
Tgt Ion:248 Resp: 1907

Ion Ratio Lower Upper

248 100

250 114.8 111.8 167.8

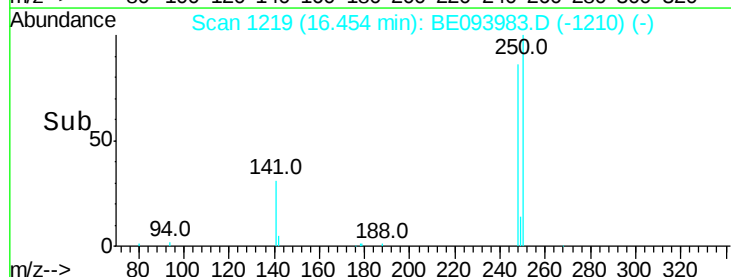
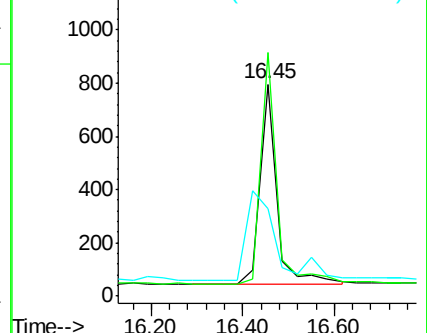
141 41.3 27.1 40.7#



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: 0.223 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

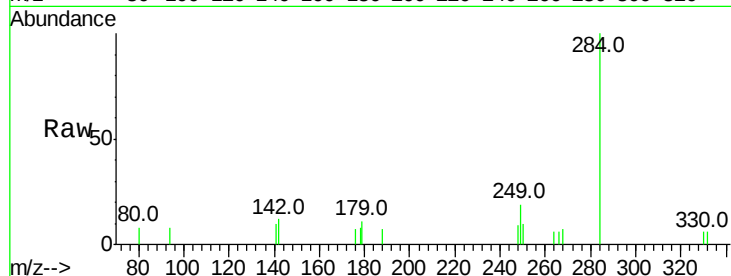
Tot Ion:284 Resp: 1635

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

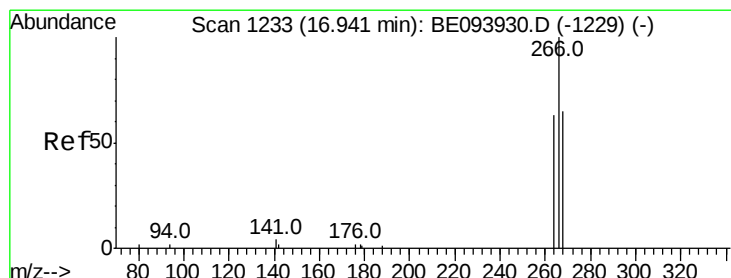
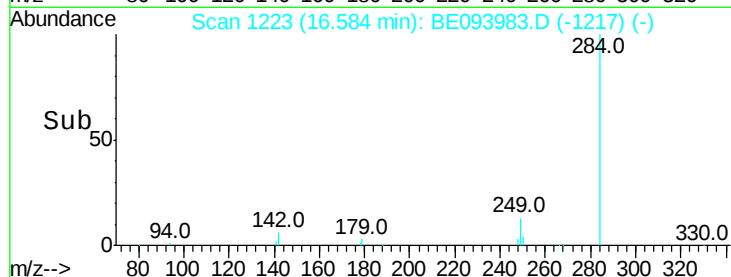
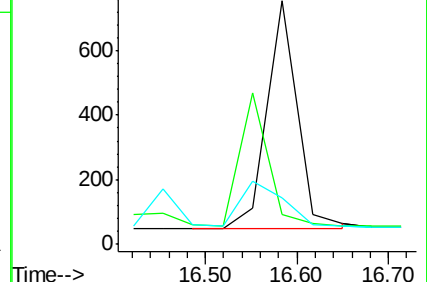
249 0.0 0.0 0.0



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



#22

Pentachlorophenol

Concen: 0.395 ng

RT: 16.94 min Scan# 1234

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

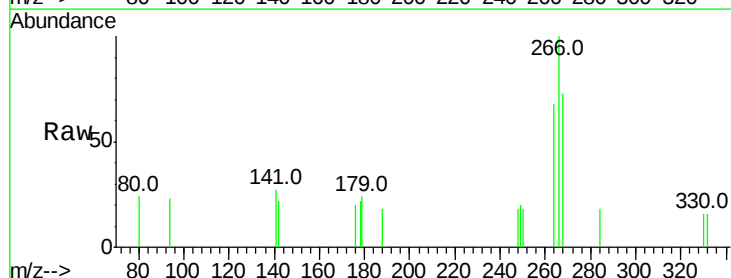
Tgt Ion:266 Resp: 780

Ion Ratio Lower Upper

266 100

264 67.5 53.5 80.3

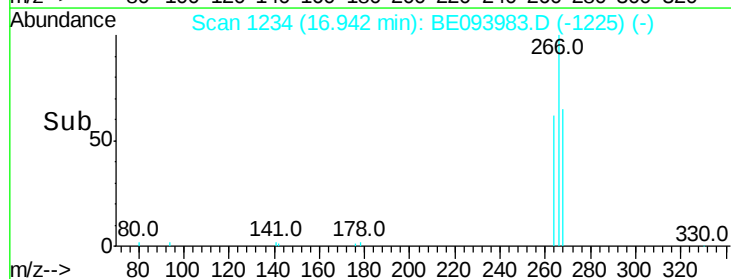
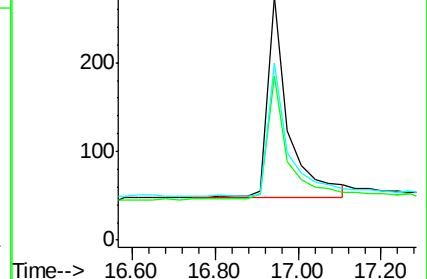
268 72.6 60.0 90.0

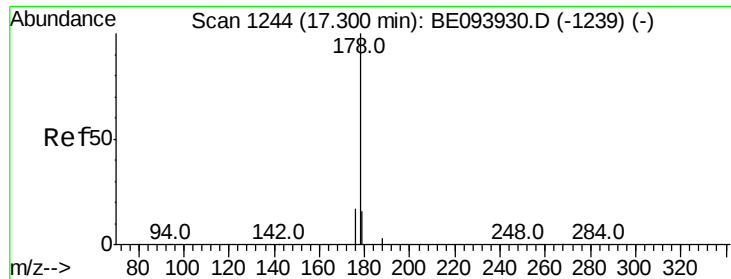


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.263 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

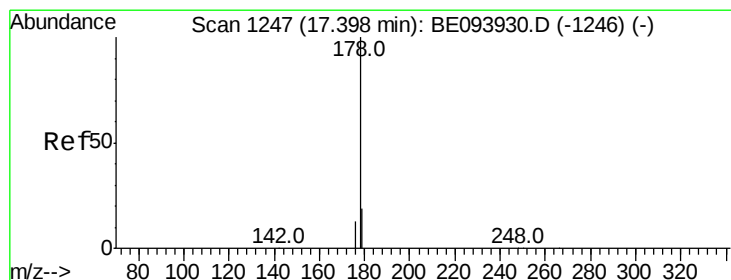
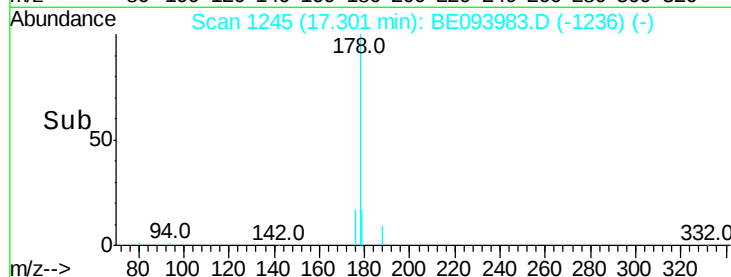
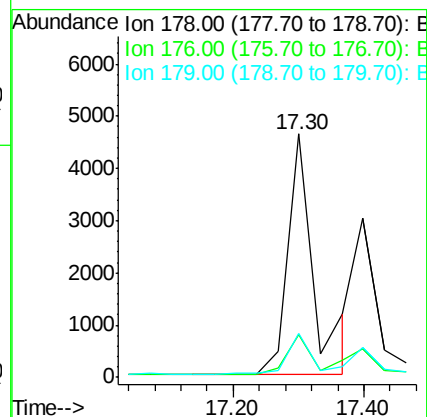
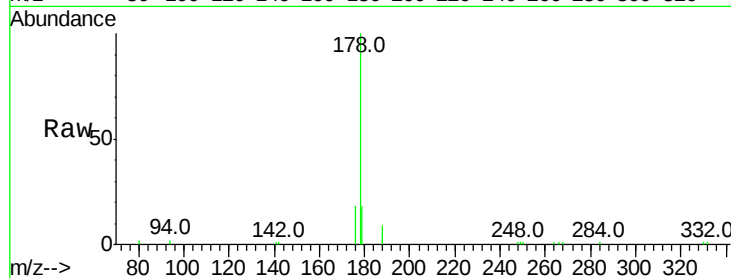
Tot Ion:178 Resp: 12842

Ion Ratio Lower Upper

178 100

176 18.8 0.0 0.0#

179 16.0 12.6 18.8



#24

Anthracene

Concen: 0.189 ng

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

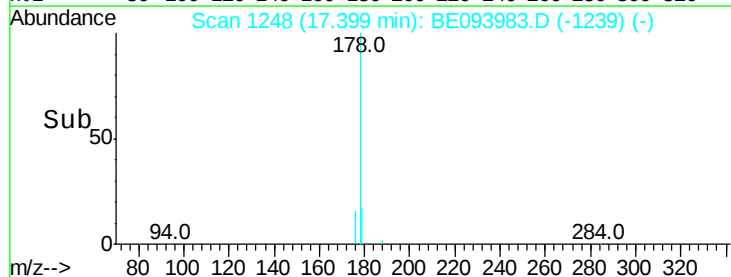
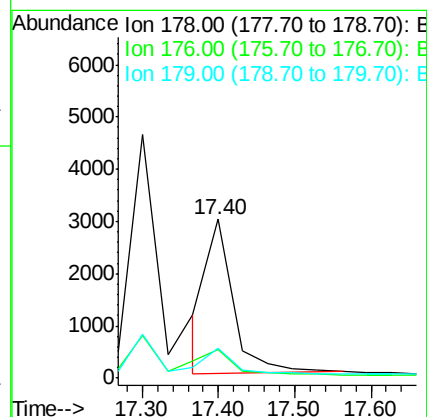
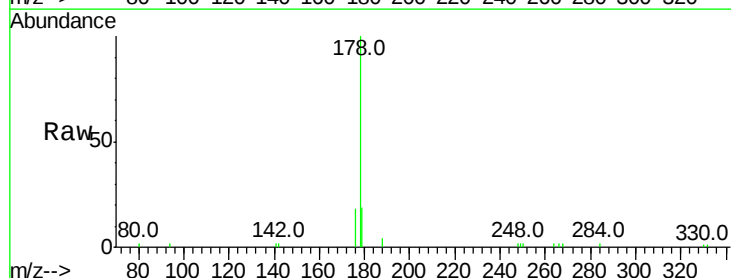
Tgt Ion:178 Resp: 7152

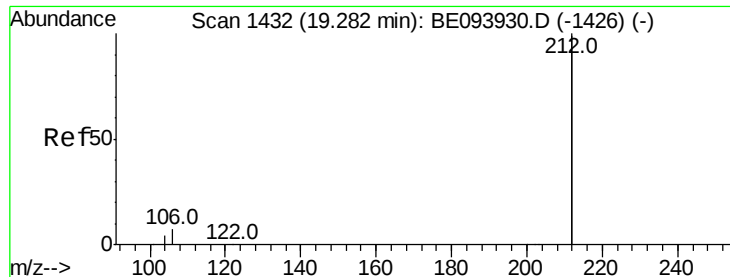
Ion Ratio Lower Upper

178 100

176 0.0 16.0 24.0#

179 17.4 0.0 0.0#





#25

Fluoranthene-d10

Concen: 0.280 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

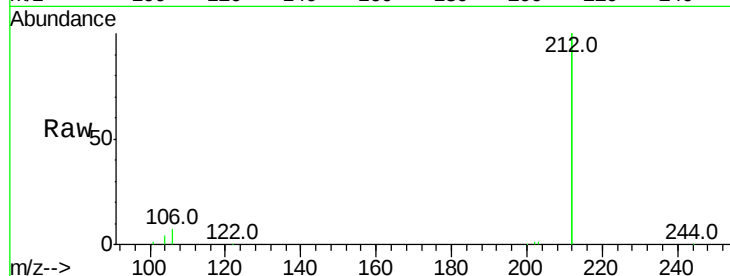
Tot Ion:212 Resp: 51938

Ion Ratio Lower Upper

212 100

106 3.4 2.7 4.1

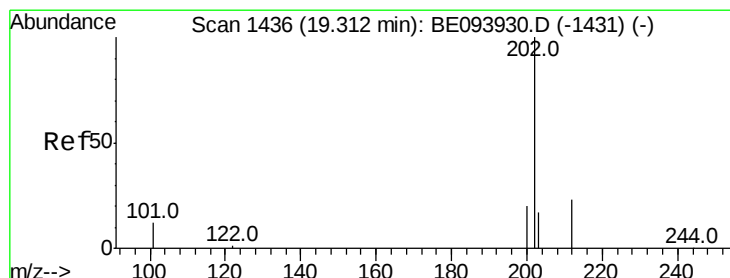
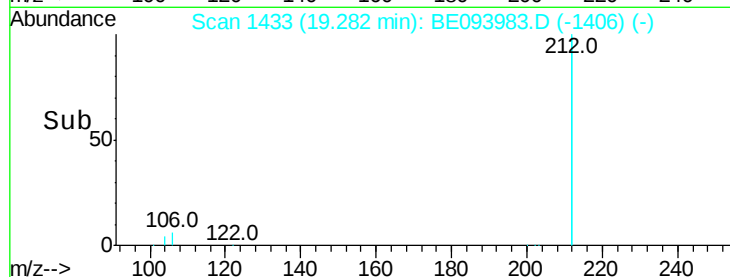
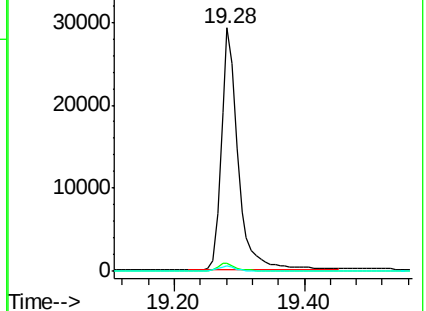
104 1.9 1.6 2.4



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: 0.251 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

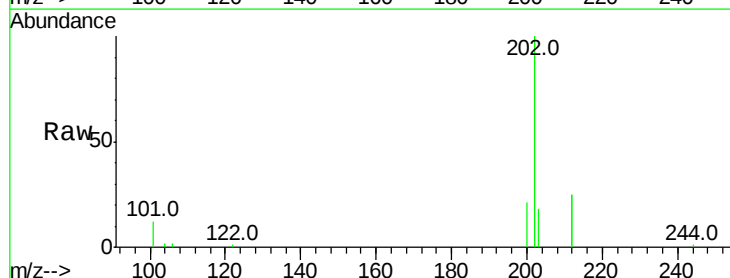
Tgt Ion:202 Resp: 13927

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

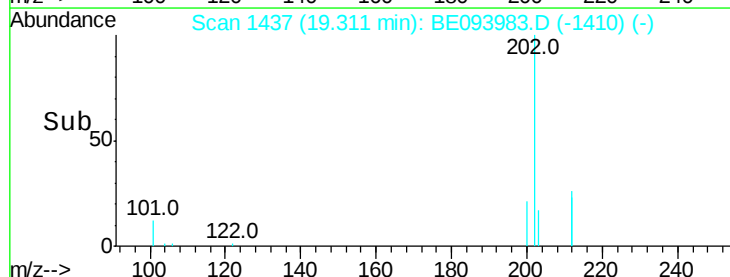
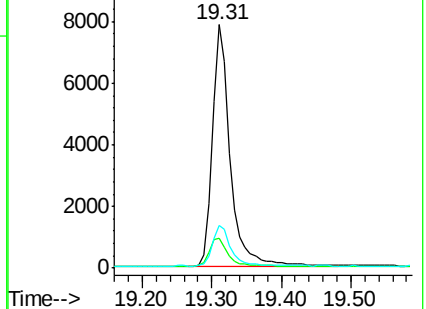
203 17.1 13.7 20.5



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: 21.42 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

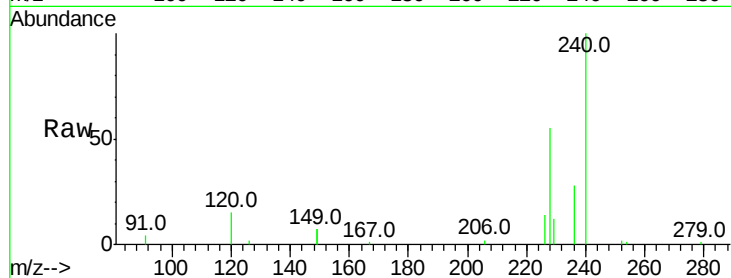
Tot Ion:240 Resp: 17155

Ion Ratio Lower Upper

240 100

120 15.4 8.7 13.1#

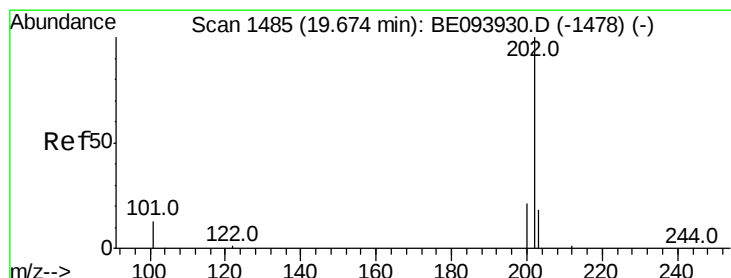
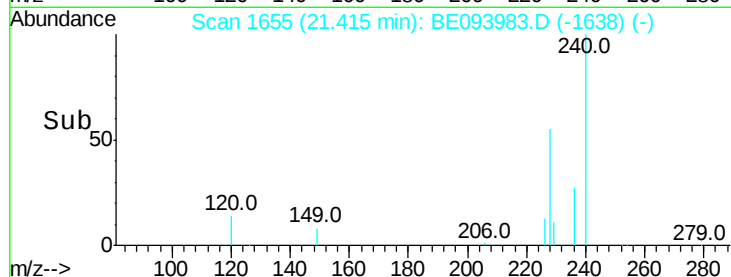
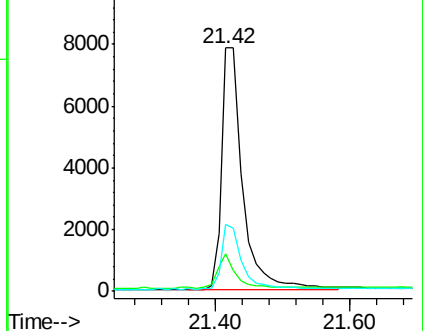
236 27.6 21.3 31.9



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: 0.244 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

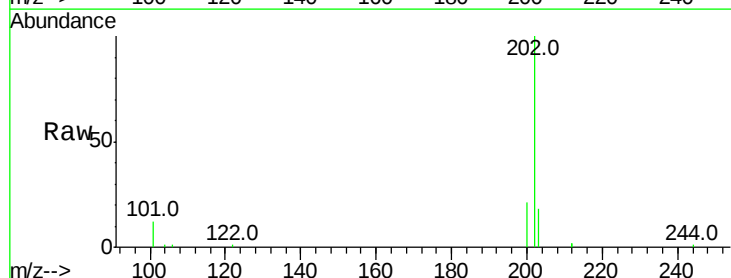
Tgt Ion:202 Resp: 14379

Ion Ratio Lower Upper

202 100

200 20.5 16.6 24.8

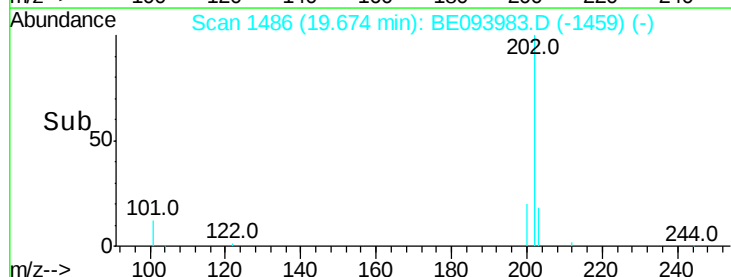
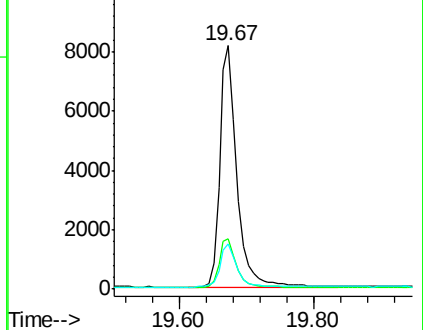
203 18.0 14.2 21.4

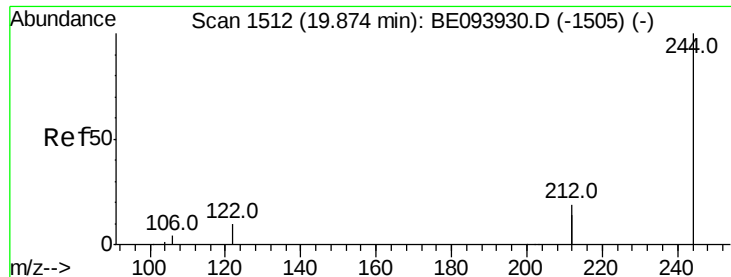


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.308 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.01 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

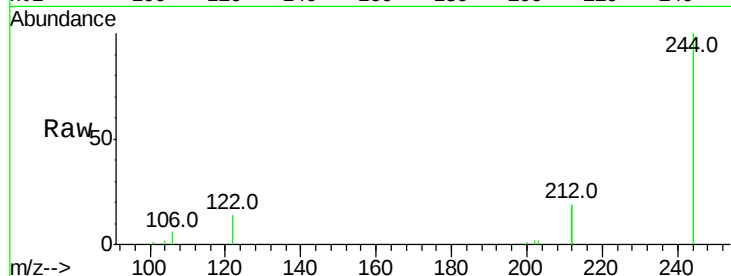
Tot Ion:244 Resp: 9730

Ion Ratio Lower Upper

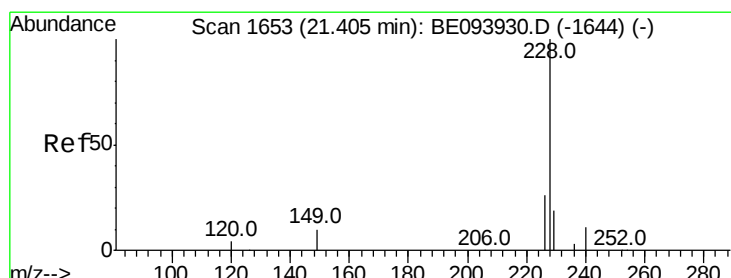
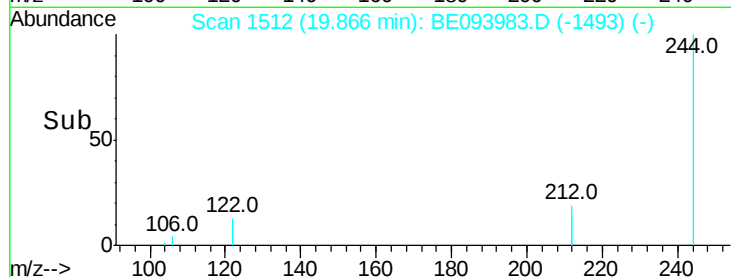
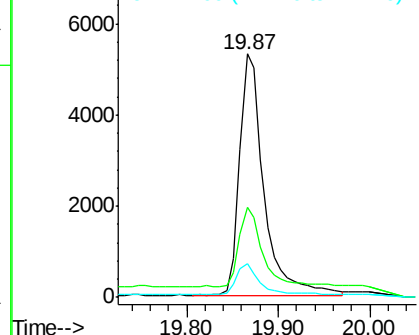
244 100

212 37.2 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: 0.246 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

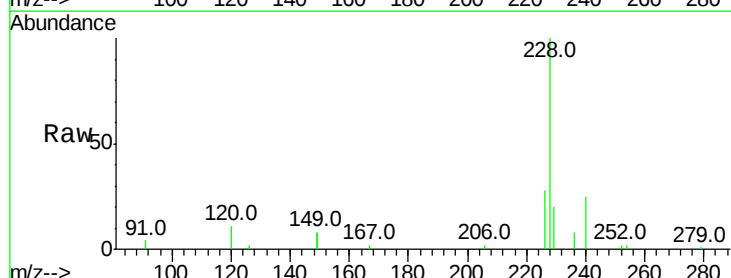
Tgt Ion:228 Resp: 12961

Ion Ratio Lower Upper

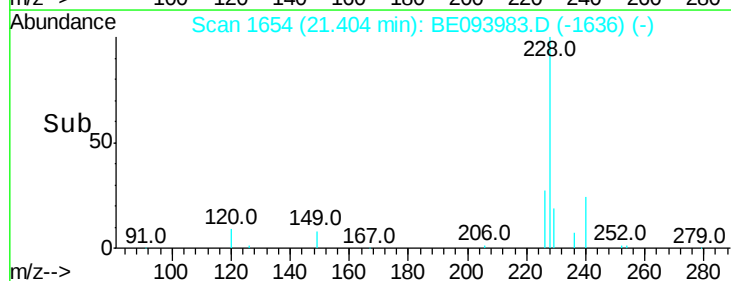
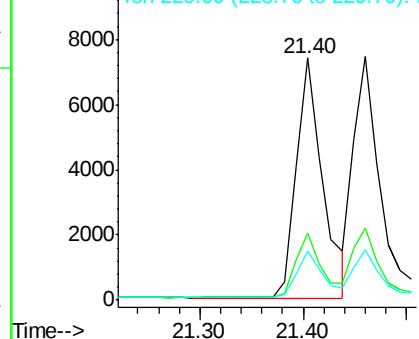
228 100

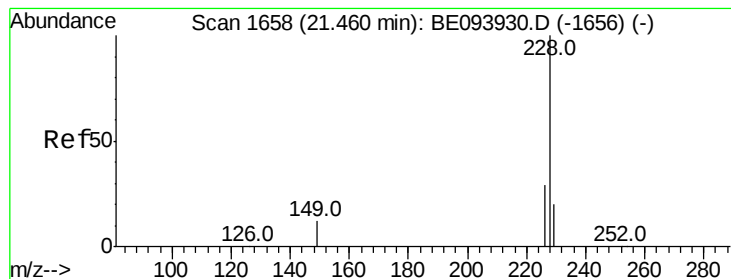
226 27.5 20.8 31.2

229 20.0 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: 0.239 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

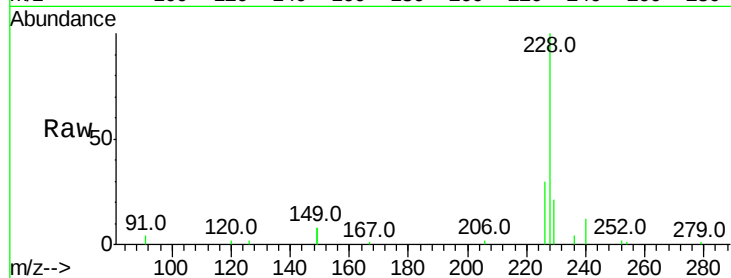
Tot Ion:228 Resp: 13321

Ion Ratio Lower Upper

228 100

226 29.6 24.6 37.0

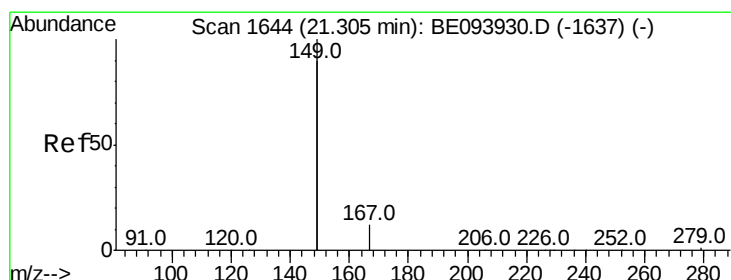
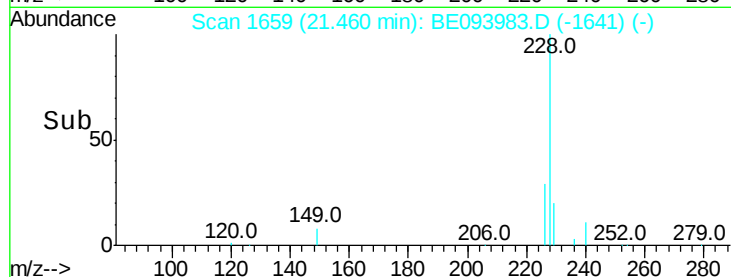
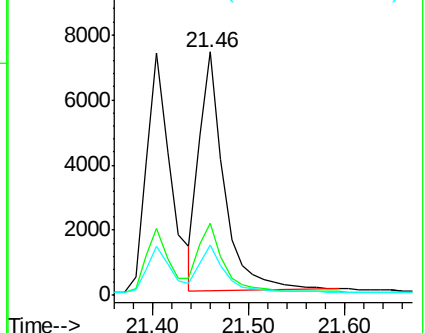
229 20.8 15.8 23.8



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: 0.253 ng

RT: 21.30 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

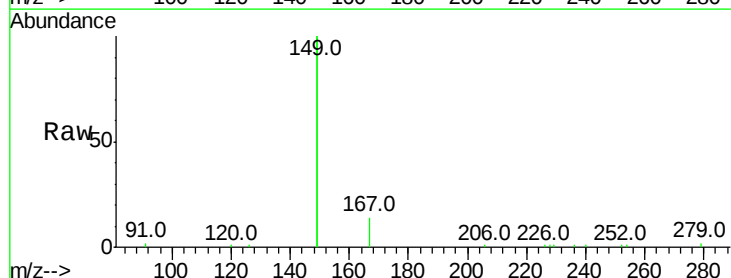
Tgt Ion:149 Resp: 32384

Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

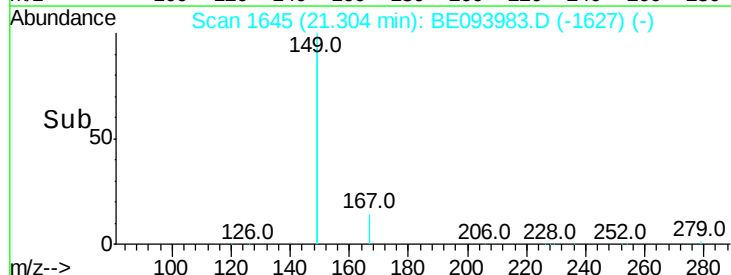
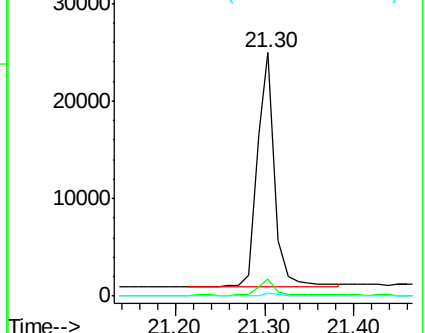
279 0.9 0.7 1.1



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: 0.208 ng

RT: 26.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

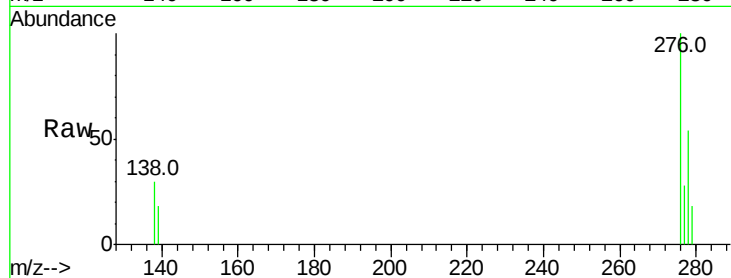
Tot Ion:276 Resp: 7714

Ion Ratio Lower Upper

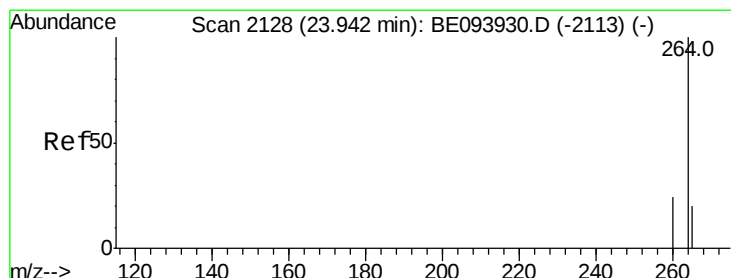
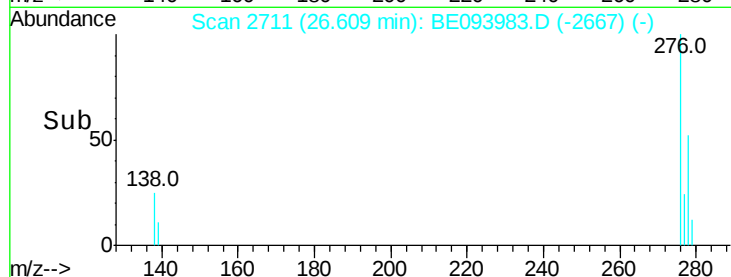
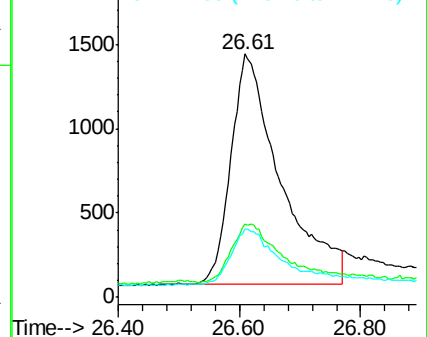
276 100

138 26.2 22.2 33.2

277 22.7 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# 2128

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

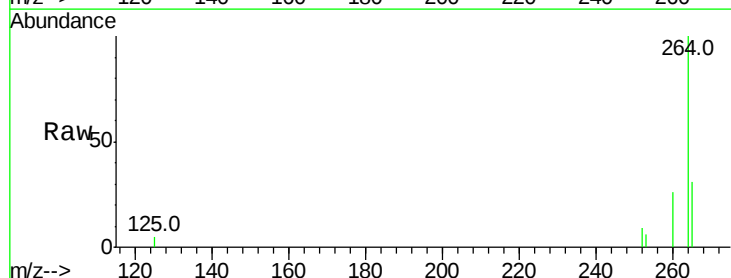
Tgt Ion:264 Resp: 12877

Ion Ratio Lower Upper

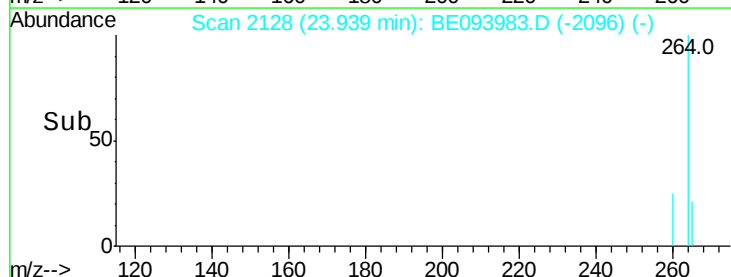
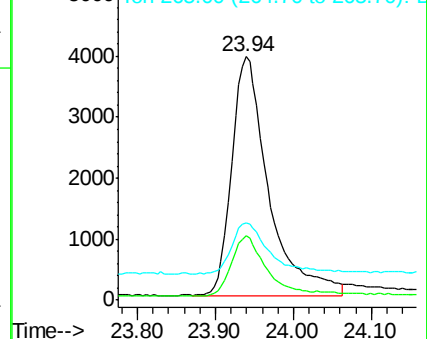
264 100

260 26.2 20.0 30.0

265 31.5 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: 0.244 ng

RT: 23.17 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

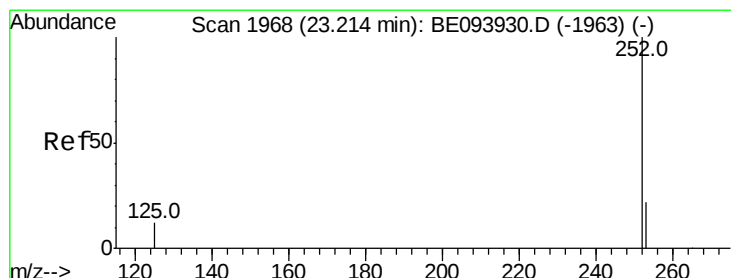
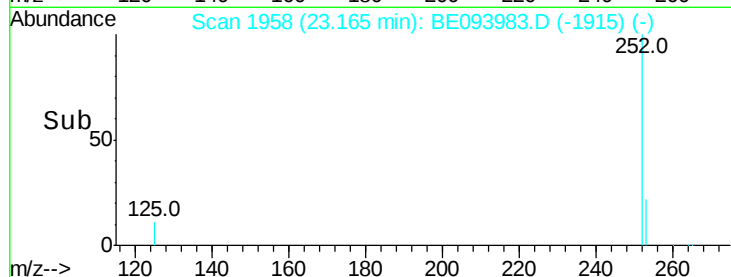
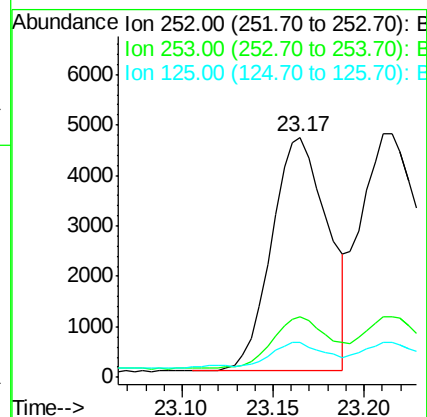
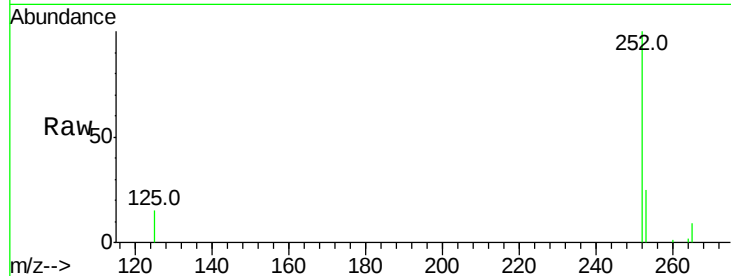
Tot Ion:252 Resp: 9997

Ion Ratio Lower Upper

252 100

253 25.0 19.4 29.0

125 14.8 10.0 15.0



#36

Benzo(k)fluoranthene

Concen: 0.252 ng

RT: 23.21 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

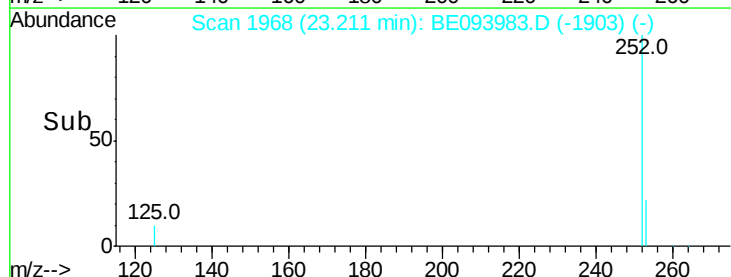
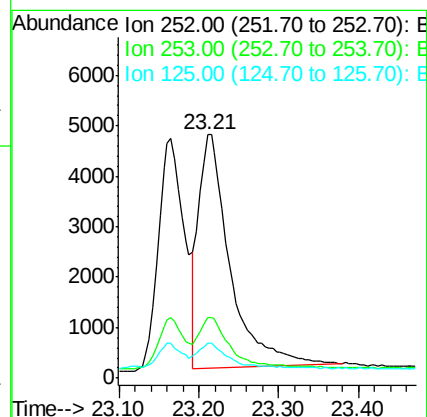
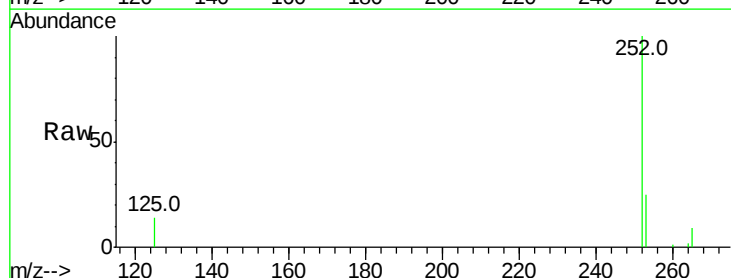
Tgt Ion:252 Resp: 12641

Ion Ratio Lower Upper

252 100

253 24.7 18.1 27.1

125 14.2 9.8 14.6





#37

Benzo(a)pyrene

Concen: 0.249 ng

RT: 23.83 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

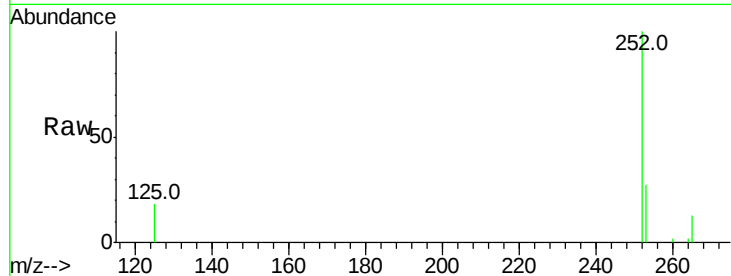
Tot Ion:252 Resp: 10412

Ion Ratio Lower Upper

252 100

253 26.5 19.6 29.4

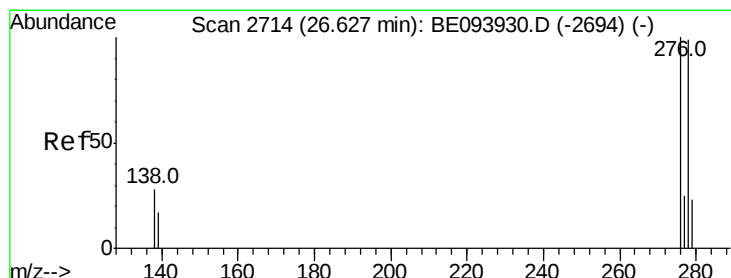
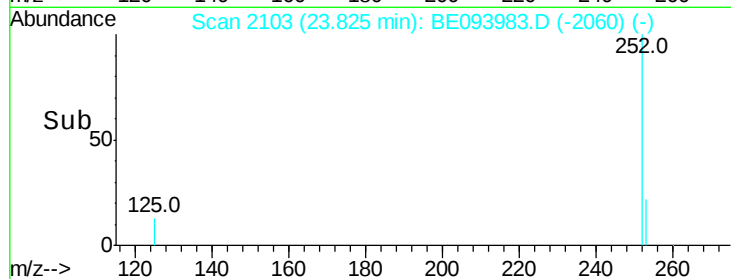
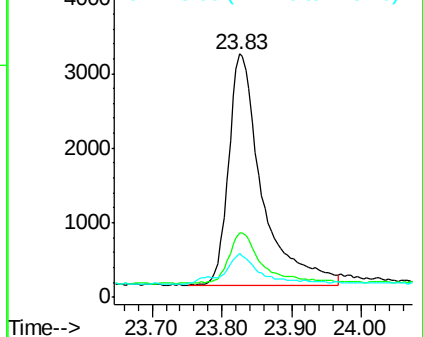
125 18.1 11.8 17.8#



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: 0.223 ng

RT: 26.64 min Scan# 2717

Delta R.T. 0.01 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

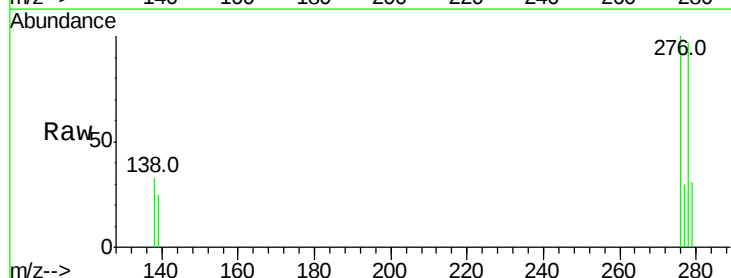
Tgt Ion:278 Resp: 6177

Ion Ratio Lower Upper

278 100

139 25.5 16.7 25.1#

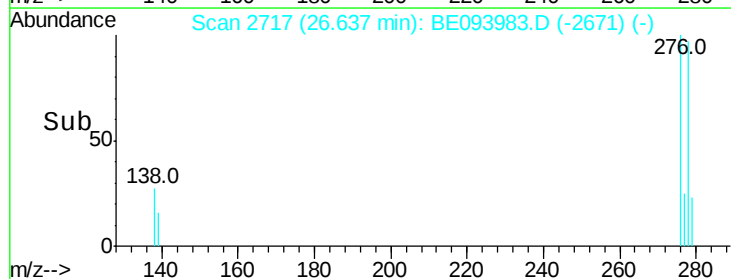
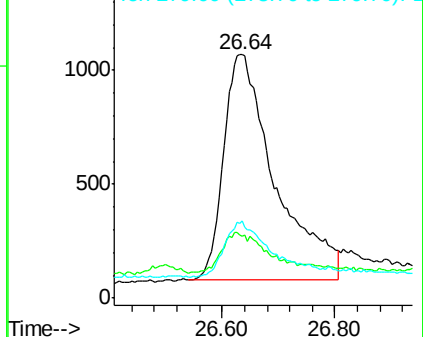
279 31.7 21.6 32.4



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: 0.233 ng

RT: 27.43 min Scan# 2891

Delta R.T. 0.01 min

Lab File: BE093983.D

Acq: 13 Sep 2017 11:15

Instrument :

BNA_E

ClientSampleId :

PB102153BSD

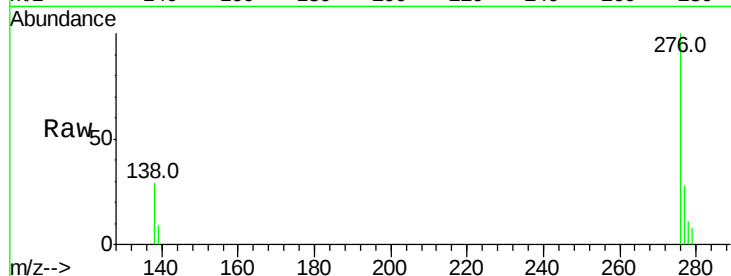
Tot Ion:276 Resp: 6792

Ion Ratio Lower Upper

276 100

277 27.5 20.6 30.8

138 28.5 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

