

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
 Data File : BE093035.D
 Acq On : 15 May 2017 15:34
 Operator : SJ/MA
 Sample : PB98886BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 16 01:11:20 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 15 13:35:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	1118	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	4203	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1737	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	3639	0.40	ng	0.00
27) Chrysene-d12	21.28	240	4291	0.40	ng	0.00
34) Perylene-d12	23.70	264	3850	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	981	0.29	ng	0.00
5) Phenol-d6	6.92	99	1256	0.27	ng	0.00
8) Nitrobenzene-d5	8.88	82	1079	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	2185	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	140	0.27	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2325	0.33	ng	0.00
25) Fluoranthene-d10	19.14	212	2840	0.30	ng	0.00
29) Terphenyl-d14	19.74	244	2661	0.33	ng	0.00

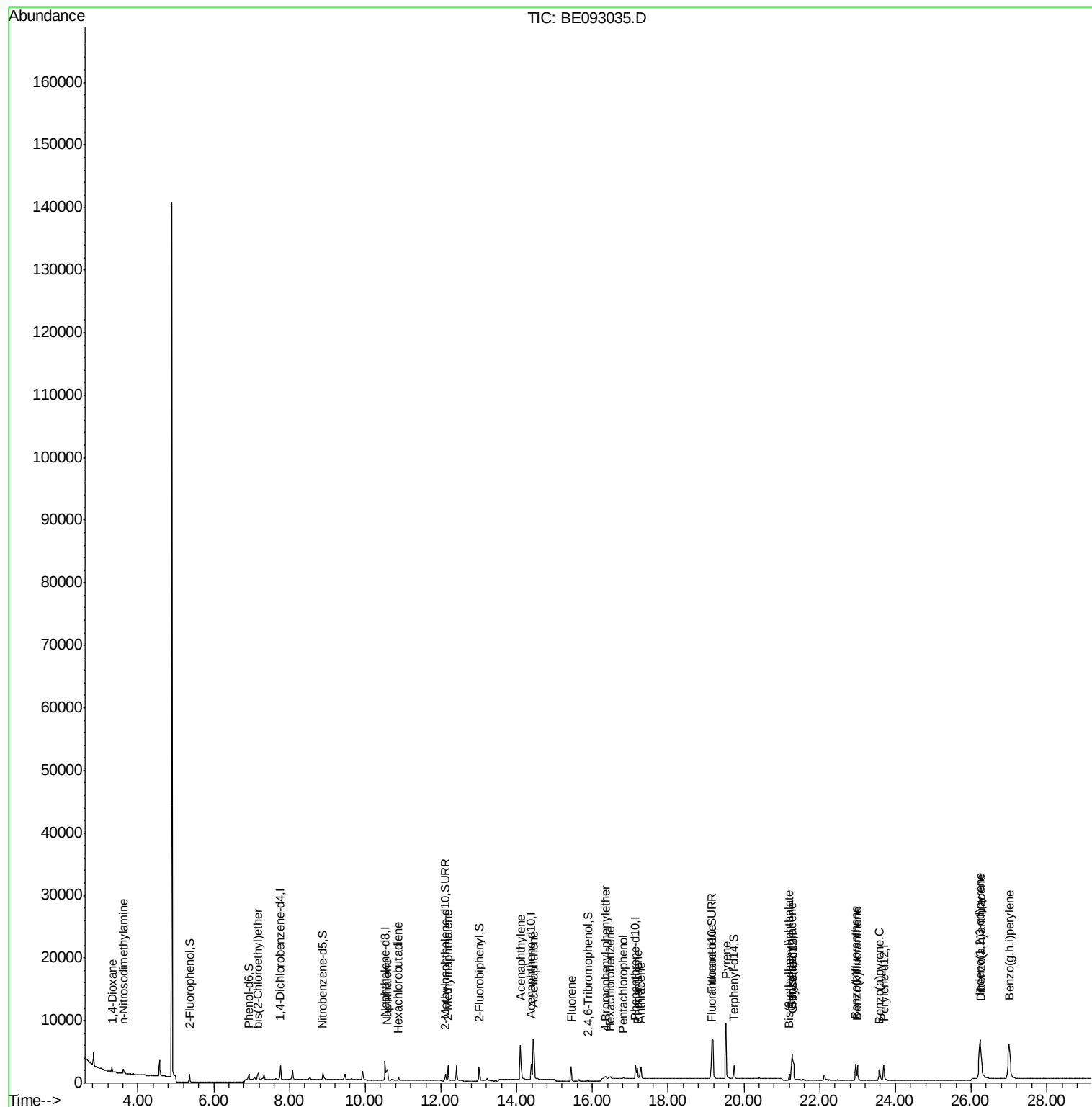
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	436	0.18	ng	# 39
3) n-Nitrosodimethylamine	3.61	42	536	0.26	ng	91
6) bis(2-Chloroethyl)ether	7.18	93	1064	0.28	ng	# 100
9) Naphthalene	10.58	128	3167	0.29	ng	99
10) Hexachlorobutadiene	10.87	225	431	0.30	ng	98
12) 2-Methylnaphthalene	12.19	142	1949	0.28	ng	97
16) Acenaphthylene	14.10	152	8791	0.29	ng	100
17) Acenaphthene	14.45	154	1616	0.29	ng	98
18) Fluorene	15.44	166	1853	0.28	ng	99
20) 4-Bromophenyl-phenylether	16.35	248	361	0.32	ng	97
21) Hexachlorobenzene	16.47	284	535	0.31	ng	# 100
22) Pentachlorophenol	16.82	266	200	0.46	ng	93
23) Phenanthrene	17.19	178	2722	0.35	ng	99
24) Anthracene	17.28	178	2691	0.35	ng	99
26) Fluoranthene	19.16	202	12992	0.29	ng	# 59
28) Pyrene	19.53	202	13637	0.26	ng	# 96
30) Benzo(a)anthracene	21.27	228	3398	0.29	ng	98
31) Chrysene	21.27	228	3398	0.27	ng	96
32) Bis(2-ethylhexyl)phthalate	21.20	149	1072	0.22	ng	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	15882	0.35	ng	98
35) Benzo(b)fluoranthene	22.95	252	3535	0.29	ng	100
36) Benzo(k)fluoranthene	22.99	252	3646	0.30	ng	96
37) Benzo(a)pyrene	23.58	252	3300	0.30	ng	99
38) Dibenzo(a,h)anthracene	26.25	278	3231	0.31	ng	98
39) Benzo(g,h,i)perylene	27.00	276	14080	0.31	ng	100

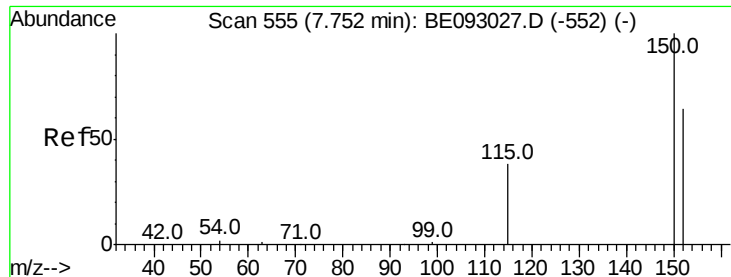
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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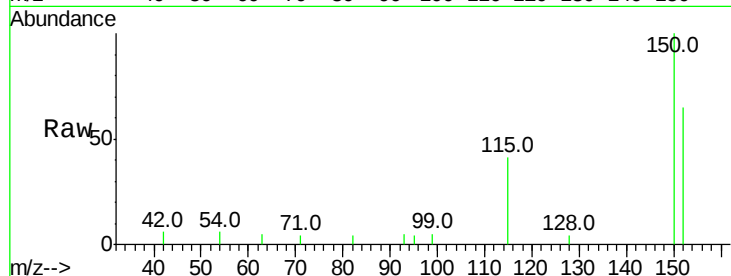


#1

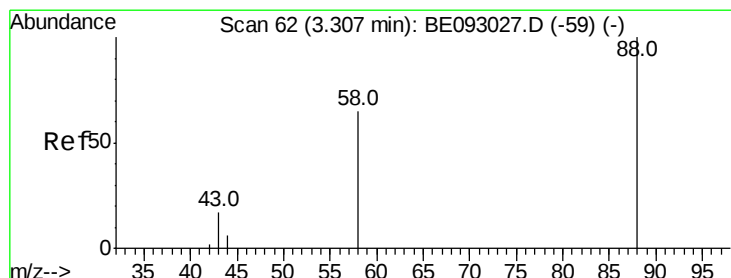
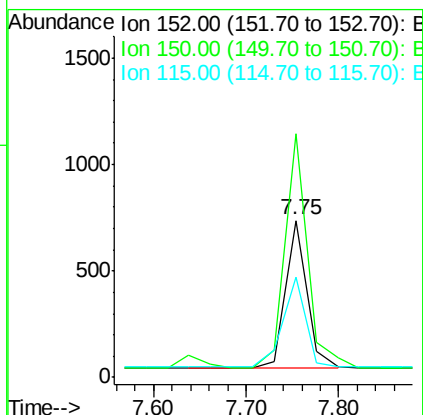
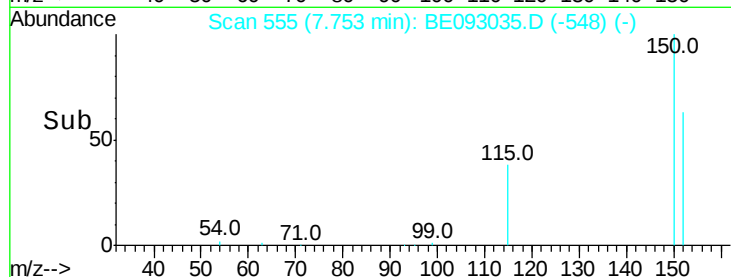
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1118
Ion Ratio Lower Upper
152 100
150 155.0 125.1 187.7
115 64.0 55.7 83.5



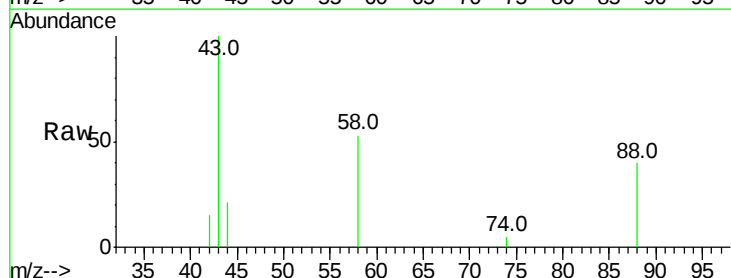
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



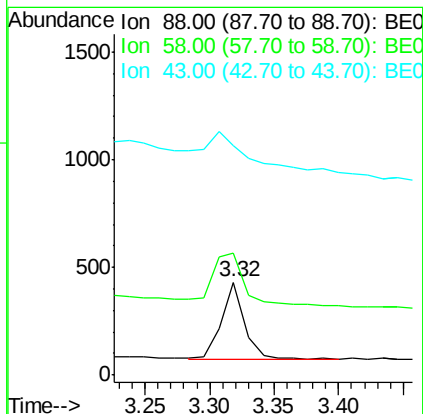
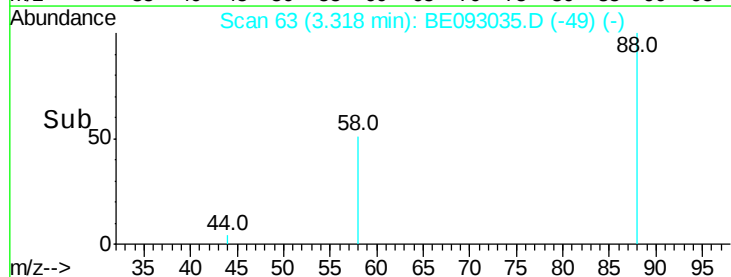
#2

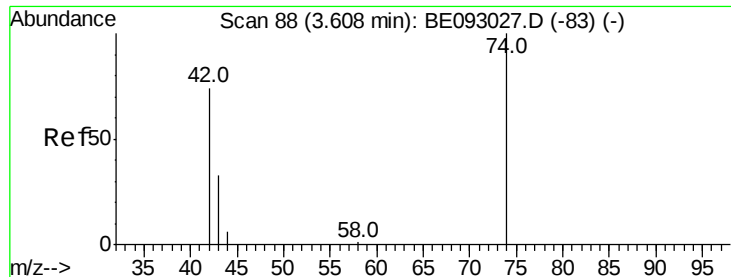
1,4-Dioxane
Concen: 0.18 ng
RT: 3.32 min Scan# 63
Delta R.T. 0.01 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Tgt Ion: 88 Resp: 436
Ion Ratio Lower Upper
88 100
58 105.3 62.2 93.4#
43 104.1 23.2 34.8#



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



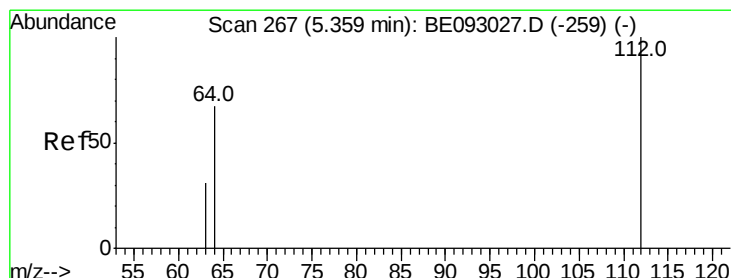
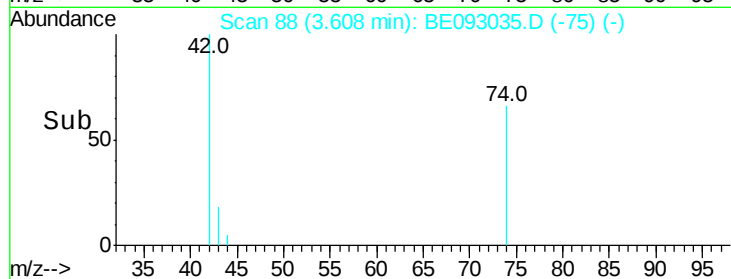
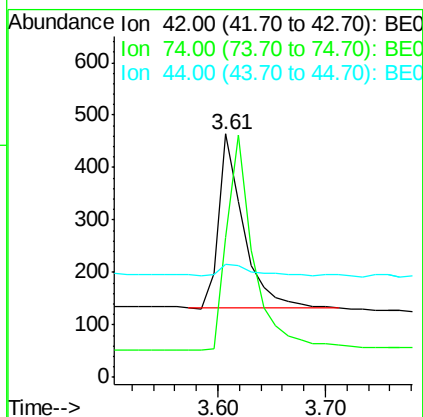
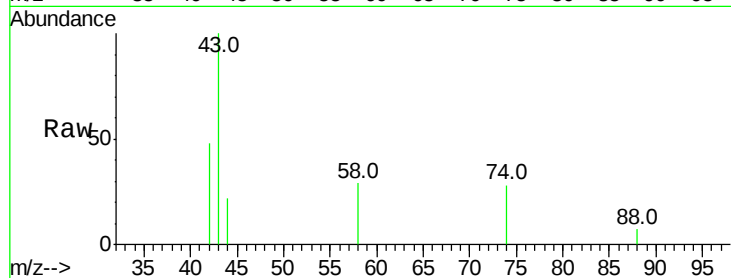


#3

n-Nitrosodimethylamine
 Concen: 0.26 ng
 RT: 3.61 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: BE093035.D
 Acq: 15 May 2017 15:34

Instrument :
 BNA_E
 ClientSampled :

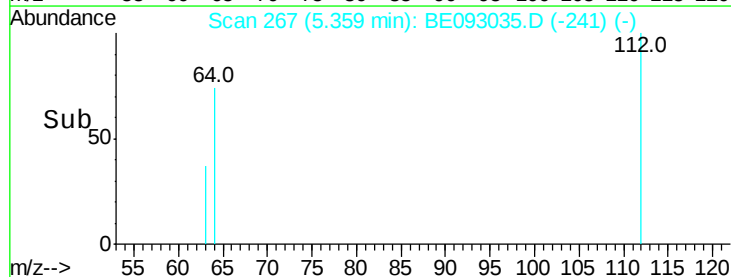
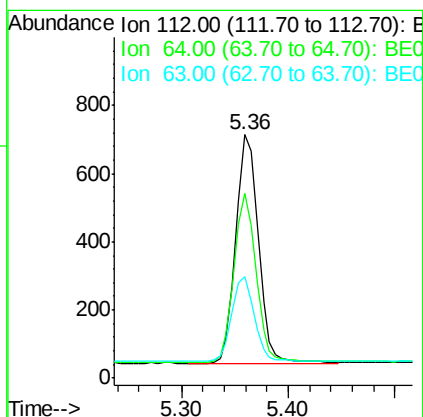
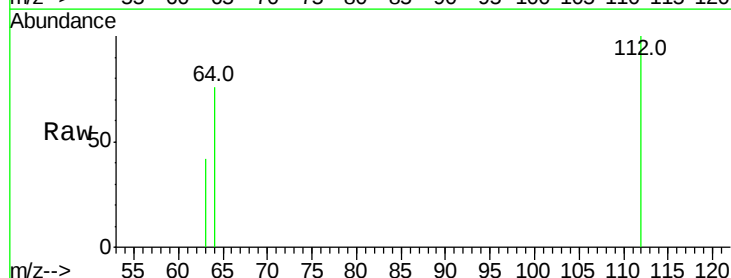
Tot Ion: 42 Resp: 536
 Ion Ratio Lower Upper
 42 100
 74 134.3 99.1 148.7
 44 9.7 7.4 11.2

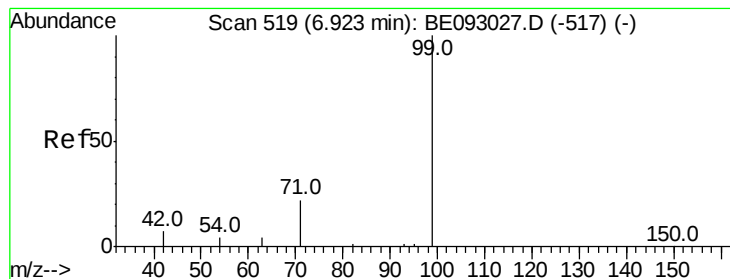


#4

2-Fluorophenol
 Concen: 0.29 ng
 RT: 5.36 min Scan# 267
 Delta R.T. 0.00 min
 Lab File: BE093035.D
 Acq: 15 May 2017 15:34

Tgt Ion: 112 Resp: 981
 Ion Ratio Lower Upper
 112 100
 64 72.2 56.4 84.6
 63 36.4 29.3 43.9





#5

Phenol-d6

Concen: 0.27 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :
BNA_E
ClientSampled :

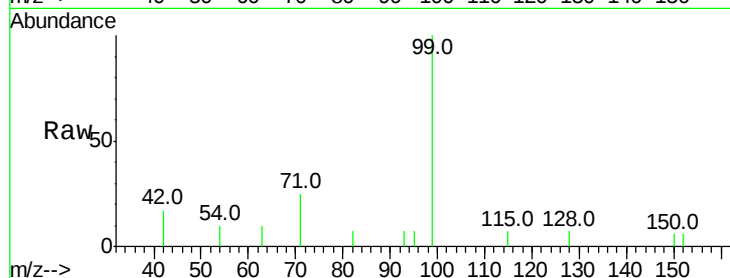
Tot Ion: 99 Resp: 1256

Ion Ratio Lower Upper

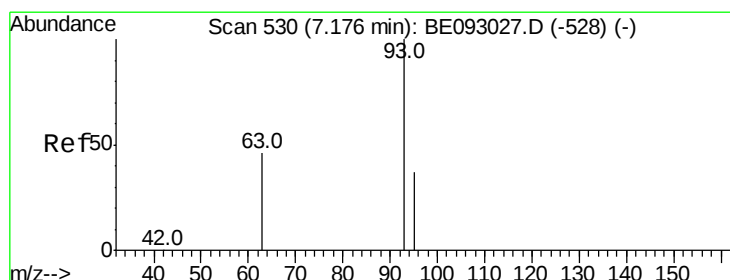
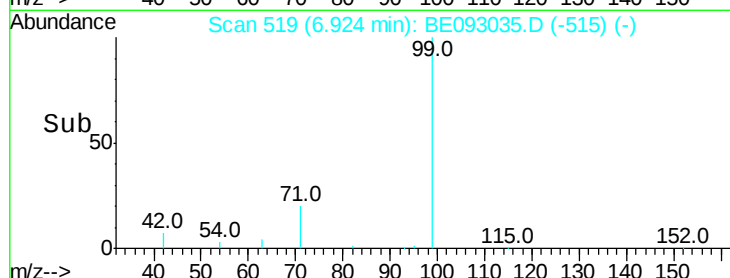
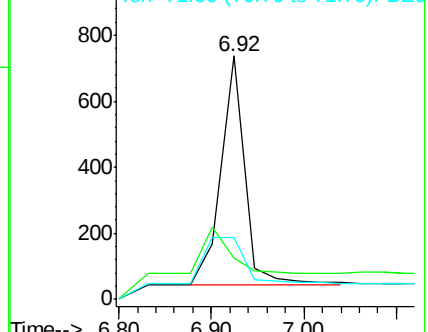
99 100

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



#6

bis(2-Chloroethyl)ether

Concen: 0.28 ng

RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

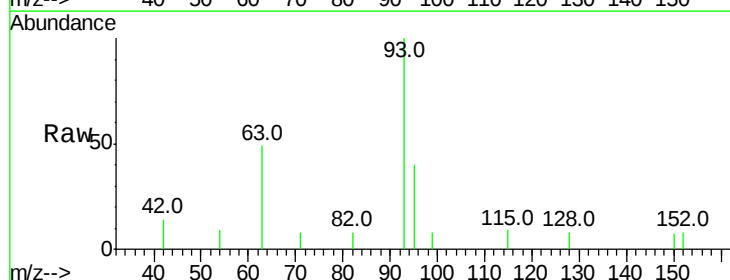
Tgt Ion: 93 Resp: 1064

Ion Ratio Lower Upper

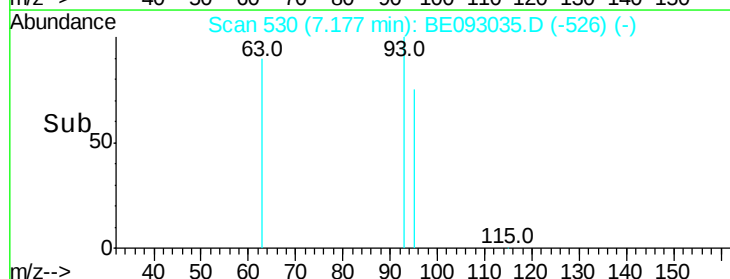
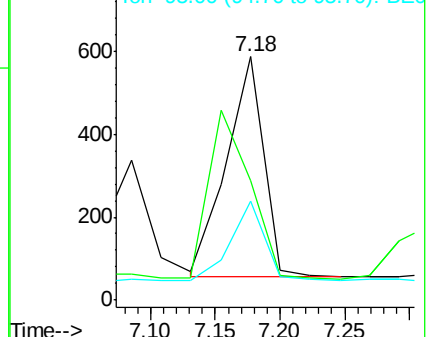
93 100

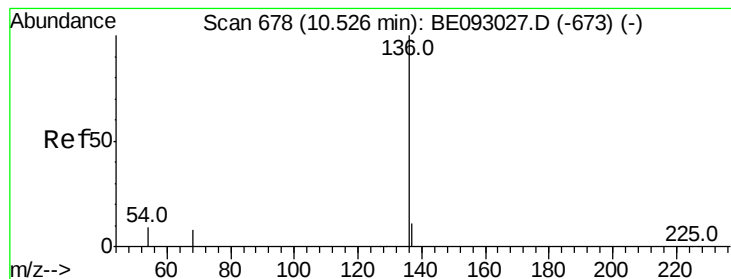
63 0.0 0.0 0.0

95 32.0 25.4 38.0



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: 0.40 ng

RT: 10.52 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4203

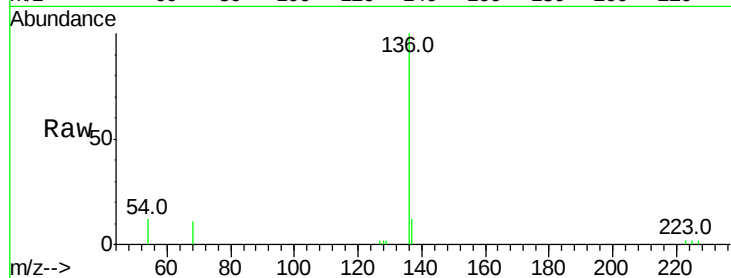
Ion Ratio Lower Upper

136 100

137 12.0 9.8 14.8

54 11.8 10.3 15.5

68 10.5 9.0 13.4

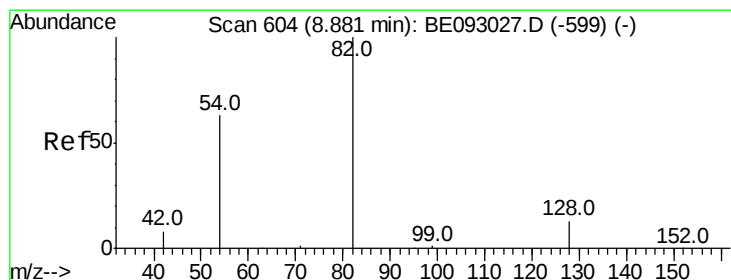
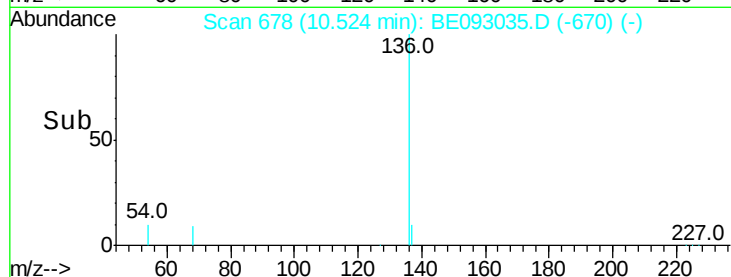
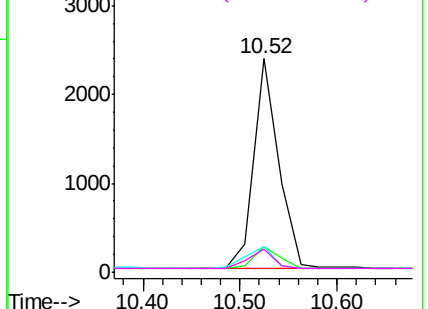


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.29 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

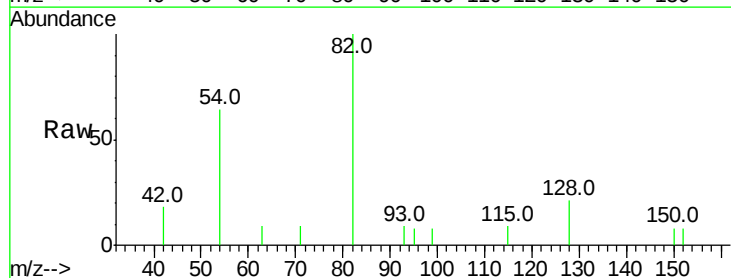
Tgt Ion: 82 Resp: 1079

Ion Ratio Lower Upper

82 100

128 21.4 17.0 25.4

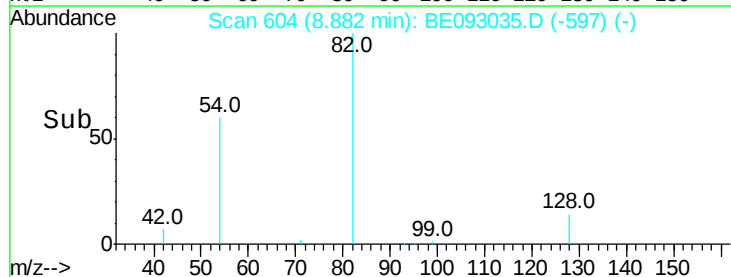
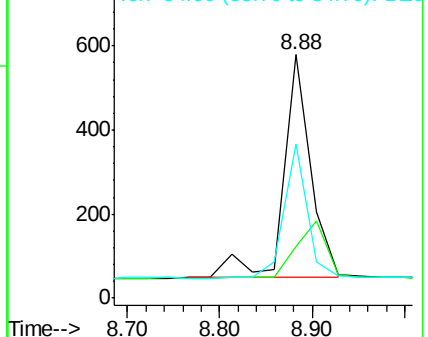
54 63.6 53.8 80.6

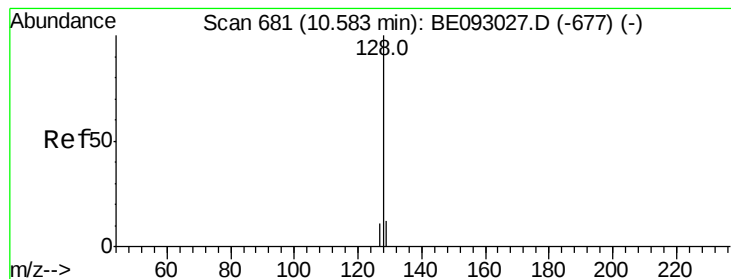


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.29 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

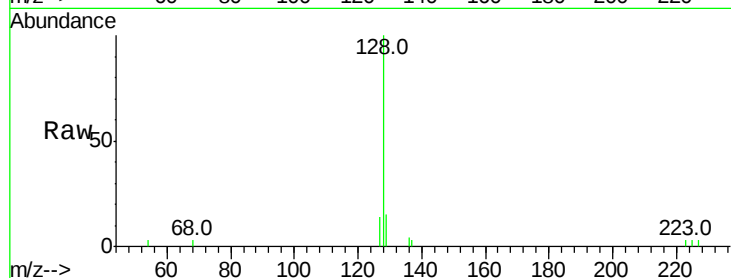
Tot Ion:128 Resp: 3167

Ion Ratio Lower Upper

128 100

129 14.7 11.4 17.0

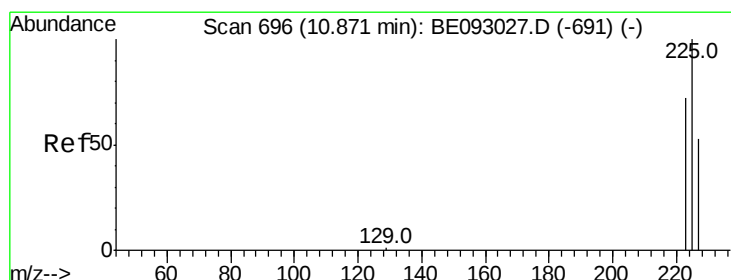
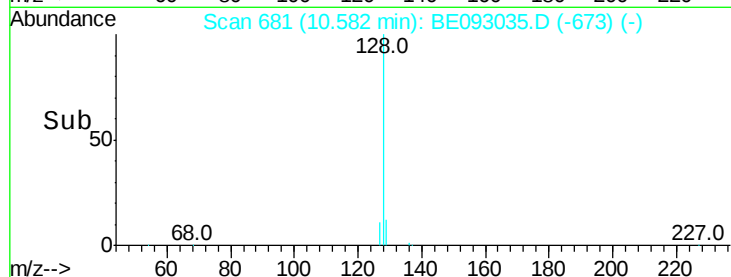
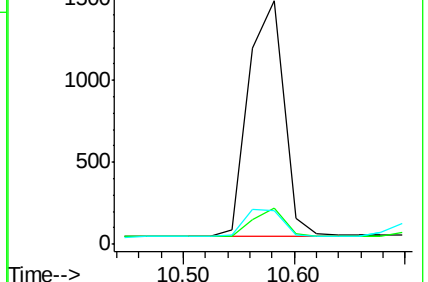
127 13.8 11.2 16.8



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: 0.30 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

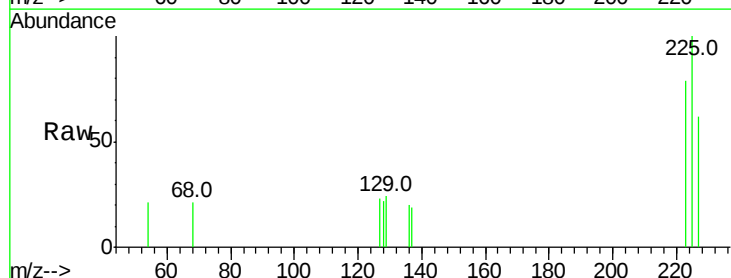
Tgt Ion:225 Resp: 431

Ion Ratio Lower Upper

225 100

223 63.6 49.7 74.5

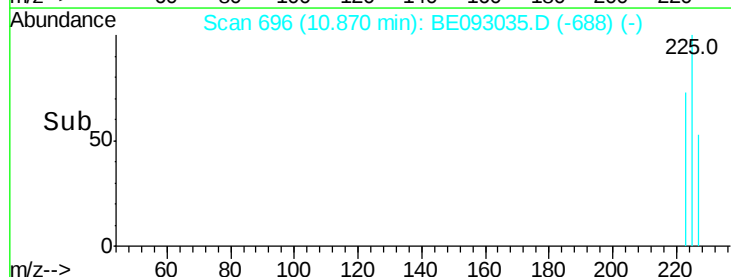
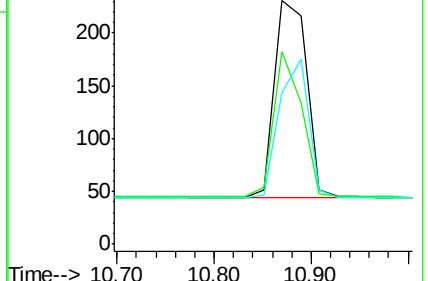
227 64.0 50.3 75.5

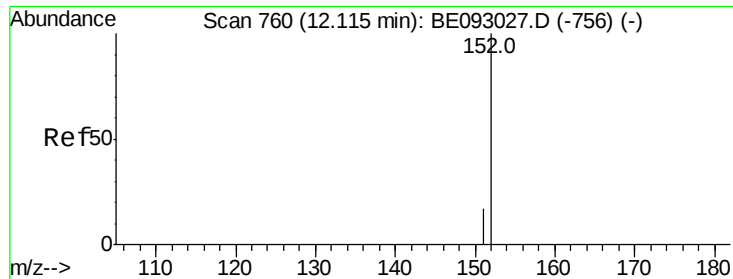


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

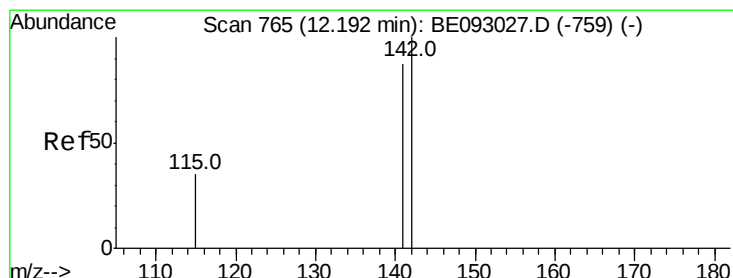
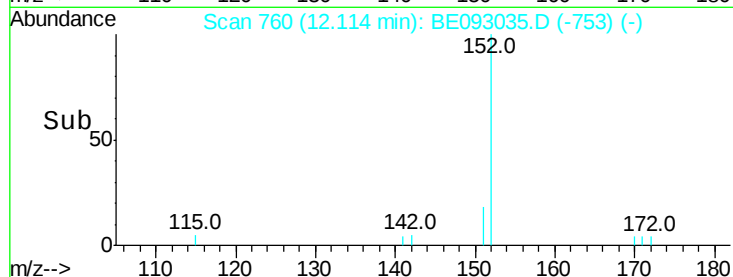
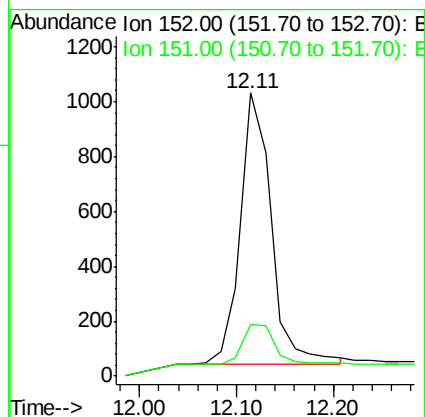
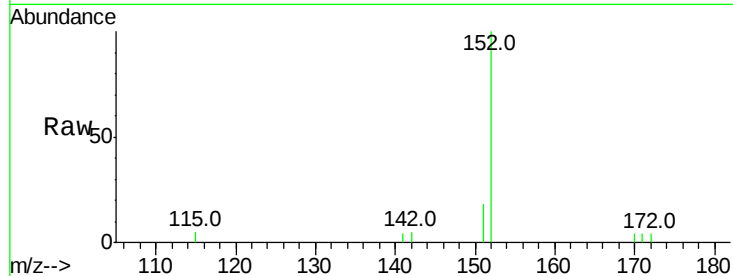
ClientSampleId :

Tot Ion:152 Resp: 2185

Ion Ratio Lower Upper

152 100

151 14.7 15.1 22.7#



#12

2-Methylnaphthalene

Concen: 0.28 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

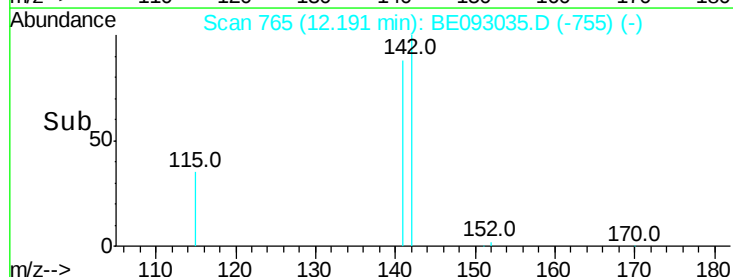
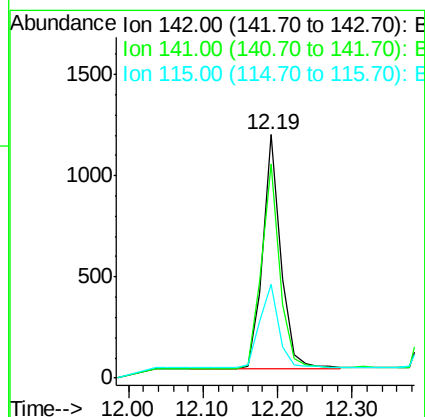
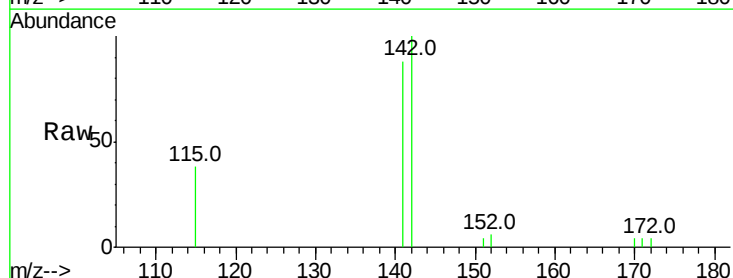
Tgt Ion:142 Resp: 1949

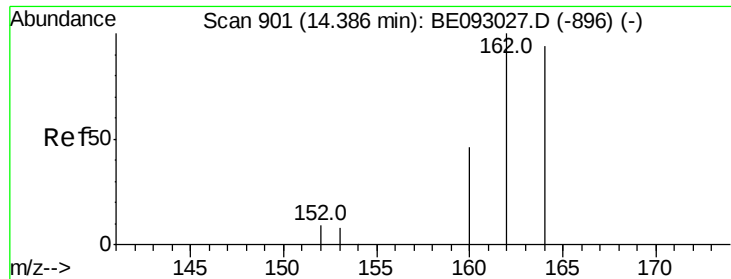
Ion Ratio Lower Upper

142 100

141 88.0 72.6 108.8

115 38.3 32.2 48.2





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

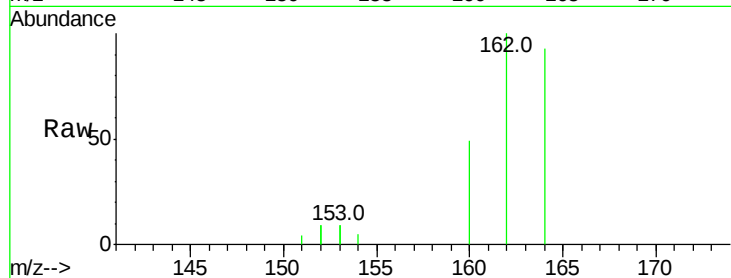
Tot Ion:164 Resp: 1737

Ion Ratio Lower Upper

164 100

162 107.7 84.6 127.0

160 52.8 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

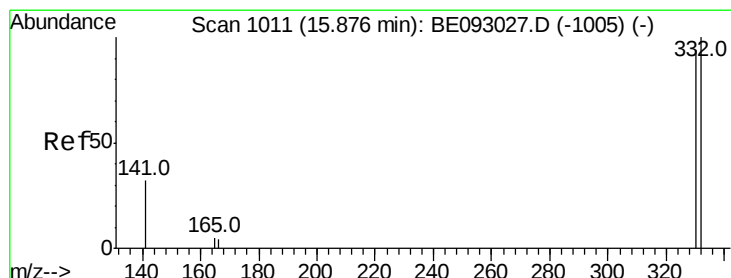
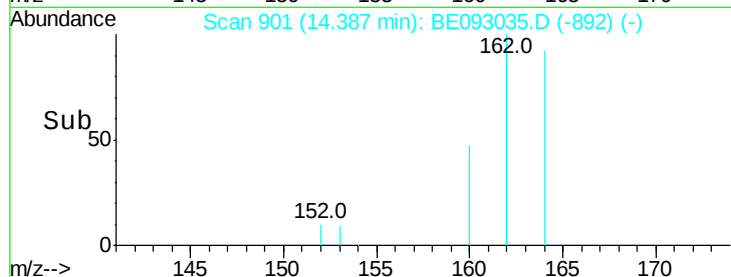
14.39

1000

500

0

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.27 ng

RT: 15.88 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

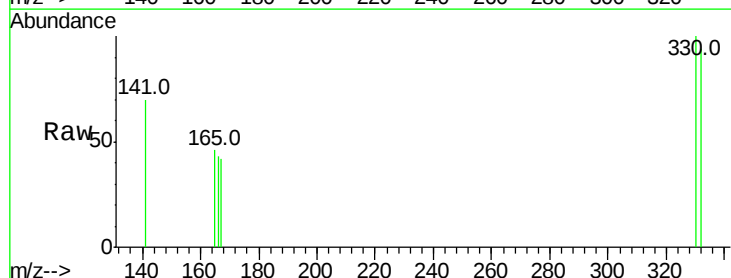
Tgt Ion:330 Resp: 140

Ion Ratio Lower Upper

330 100

332 94.3 77.7 116.5

141 59.3 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

15.88

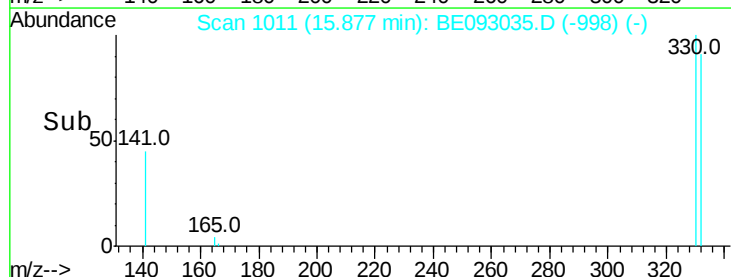
150

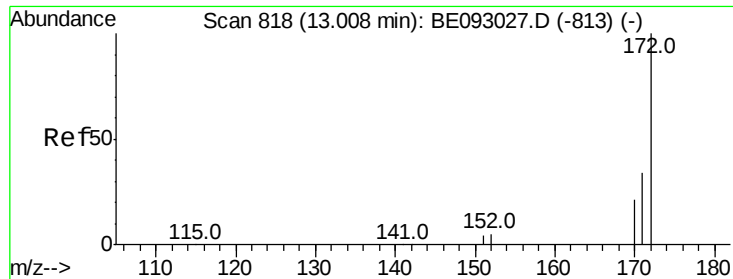
100

50

0

Time-->

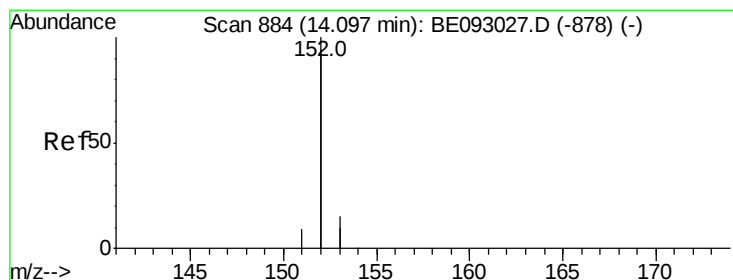
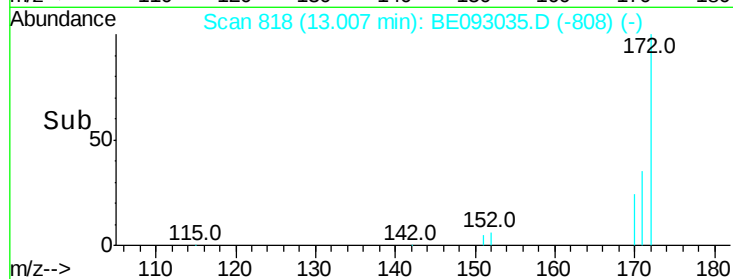
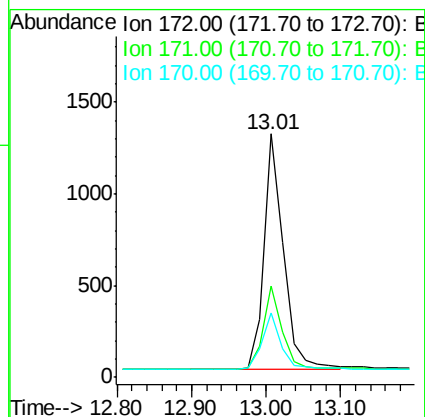
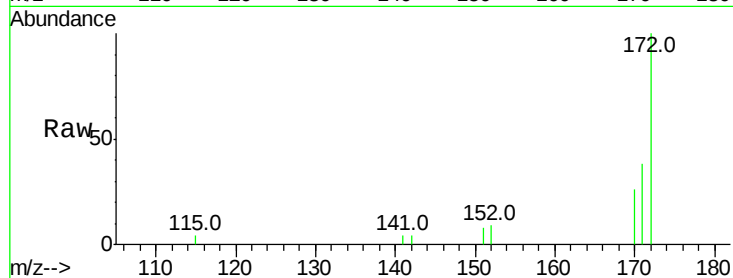




#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

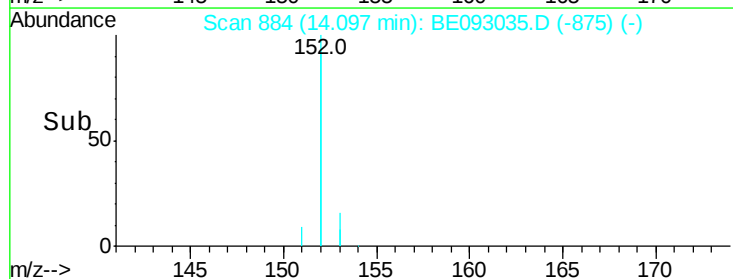
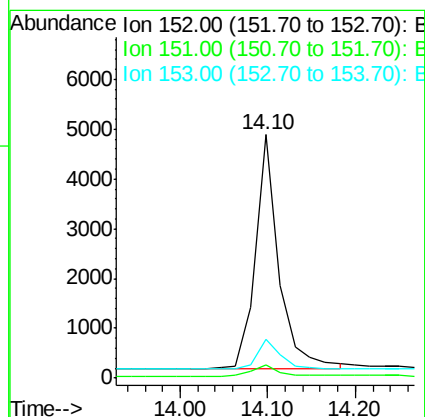
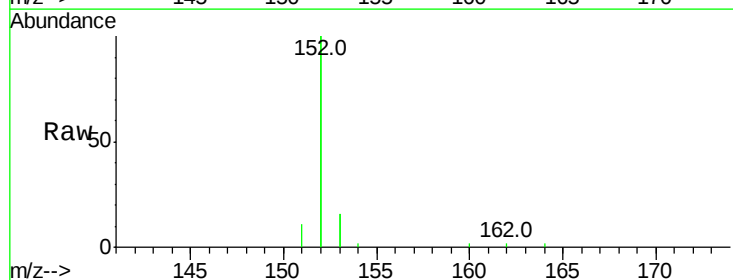
Instrument :
BNA_E
ClientSampleId :

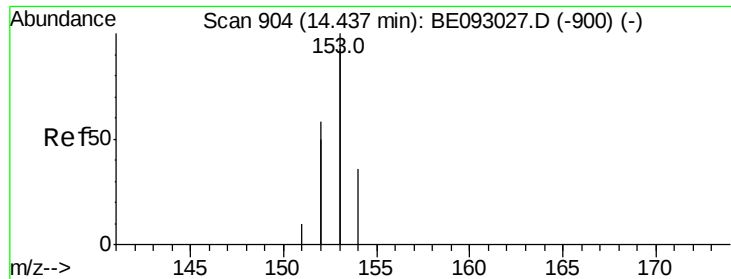
Tot Ion:172 Resp: 2325
Ion Ratio Lower Upper
172 100
171 37.6 29.8 44.6
170 26.5 20.7 31.1



#16
Acenaphthylene
Concen: 0.29 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Tgt Ion:152 Resp: 8791
Ion Ratio Lower Upper
152 100
151 4.9 4.0 6.0
153 12.9 10.3 15.5

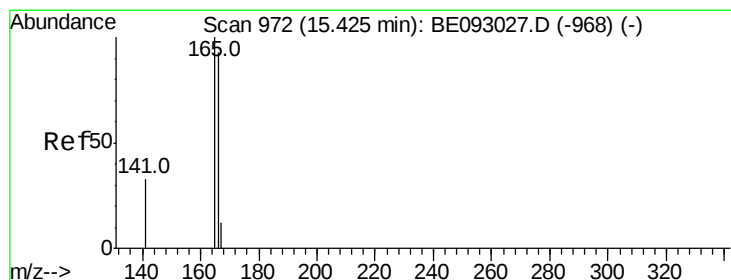
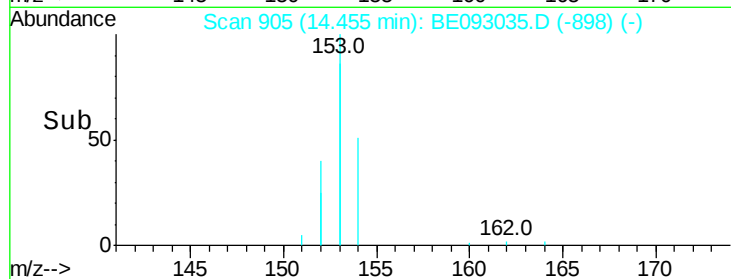
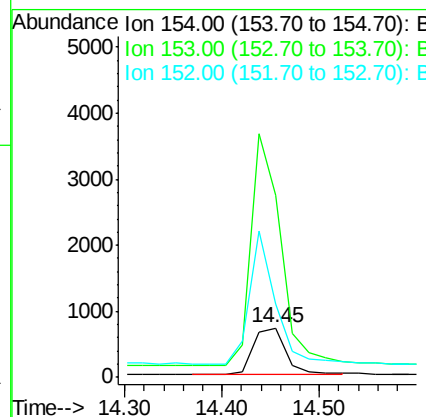
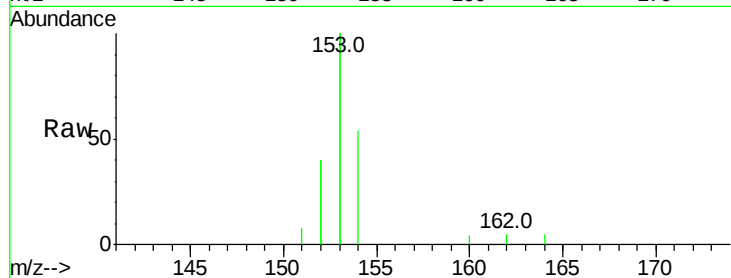




#17
Acenaphthene
Concen: 0.29 ng
RT: 14.45 min Scan# 905
Delta R.T. 0.02 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

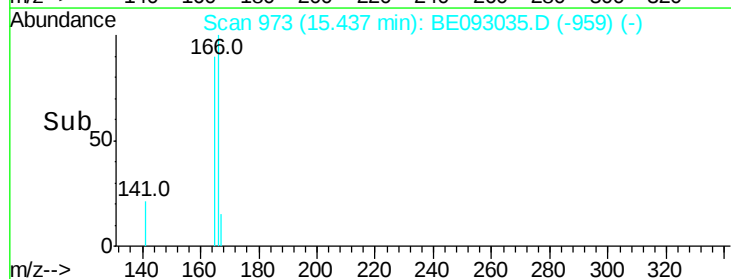
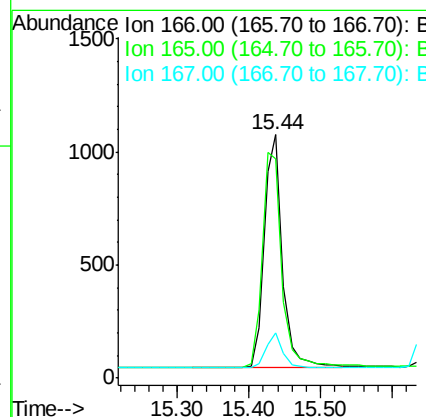
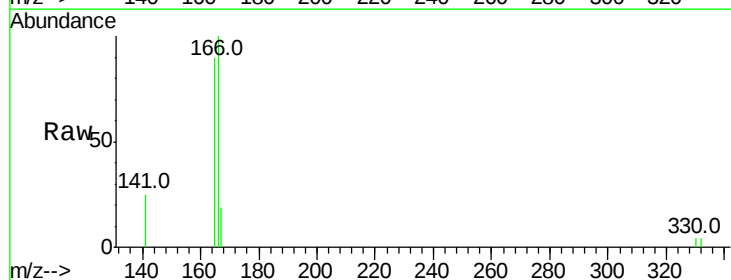
Instrument :
BNA_E
ClientSampleId :

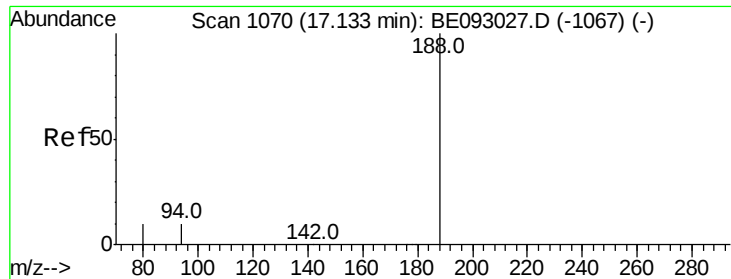
Tot Ion:154 Resp: 1616
Ion Ratio Lower Upper
154 100
153 455.0 367.8 551.6
152 228.8 188.2 282.2



#18
Fluorene
Concen: 0.28 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Tgt Ion:166 Resp: 1853
Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 14.3 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

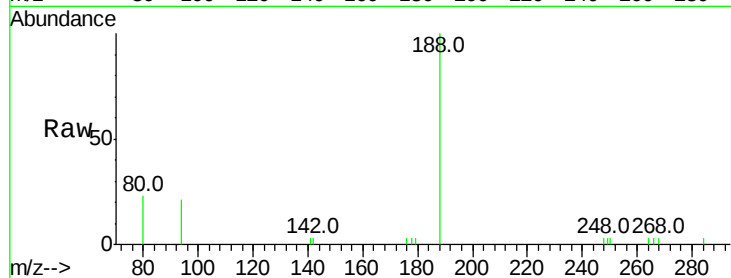
Tot Ion:188 Resp: 3639

Ion Ratio Lower Upper

188 100

94 21.4 11.3 16.9#

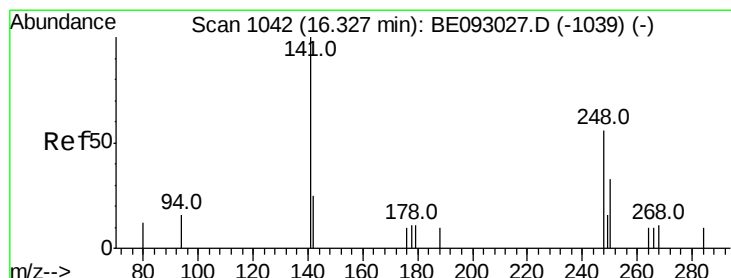
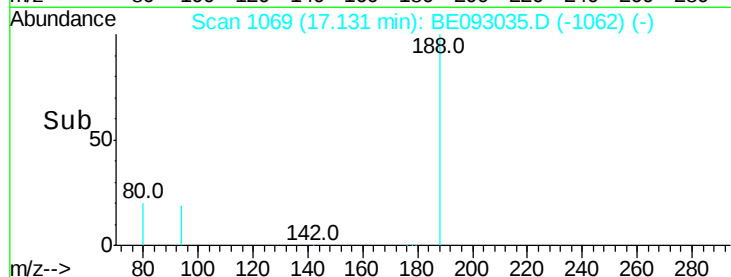
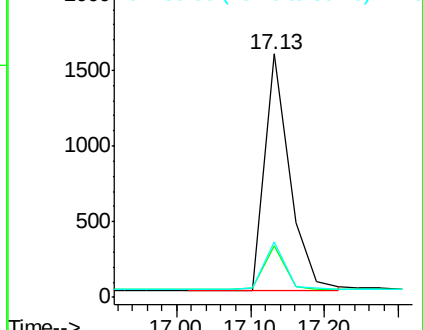
80 22.9 11.7 17.5#



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: 0.32 ng

RT: 16.35 min Scan# 1042

Delta R.T. 0.03 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

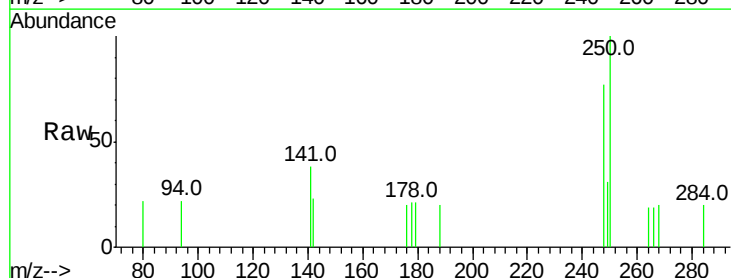
Tgt Ion:248 Resp: 361

Ion Ratio Lower Upper

248 100

250 129.4 100.0 150.0

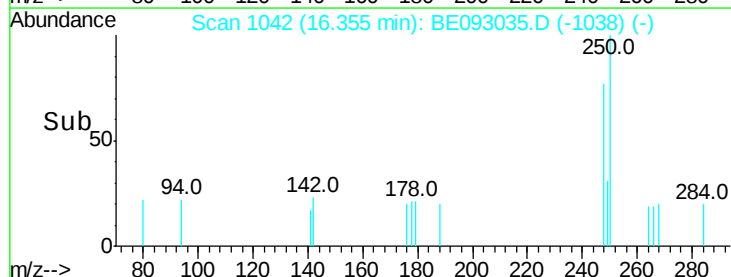
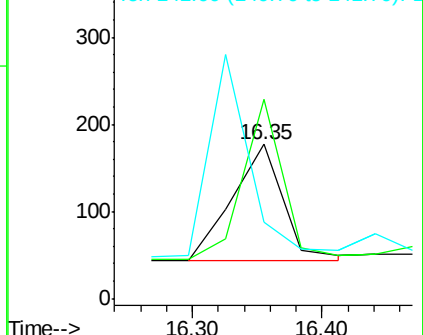
141 49.2 40.0 60.0

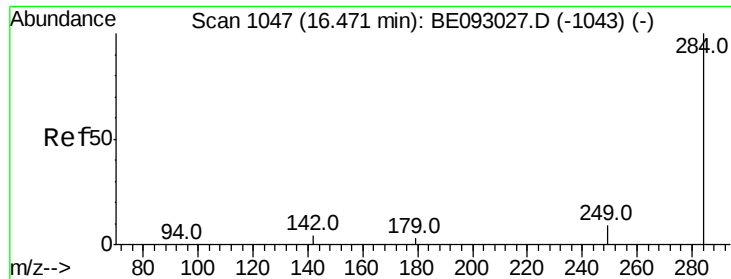


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

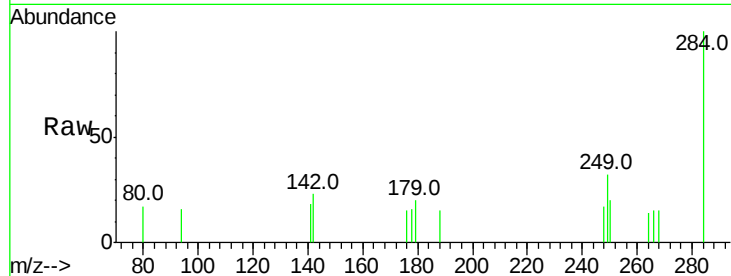




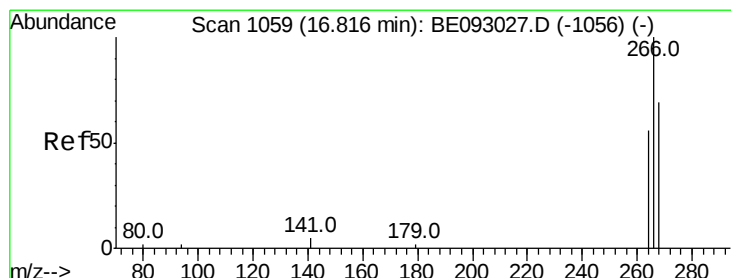
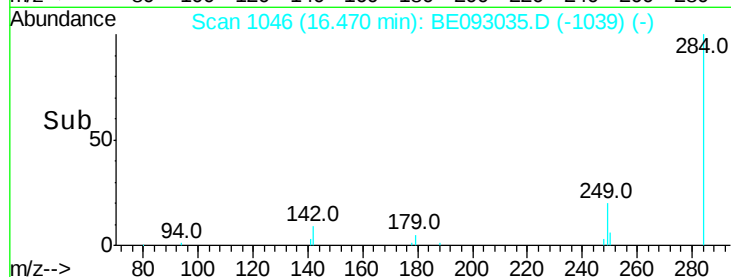
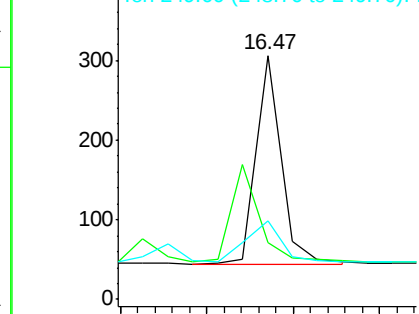
#21
Hexachlorobenzene
Concen: 0.31 ng
RT: 16.47 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 535
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 27.7 0.0 0.0#

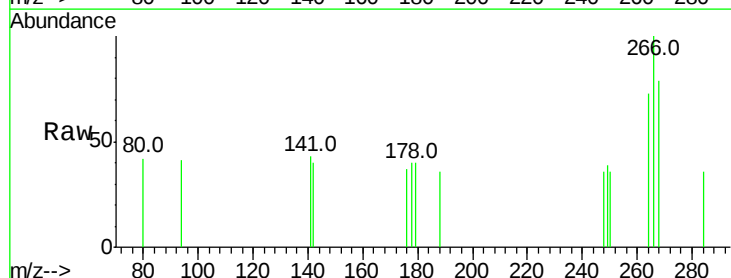


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

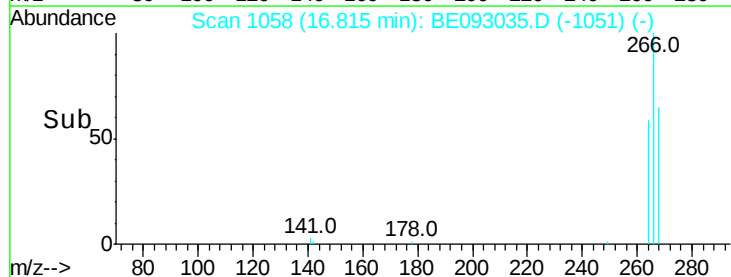
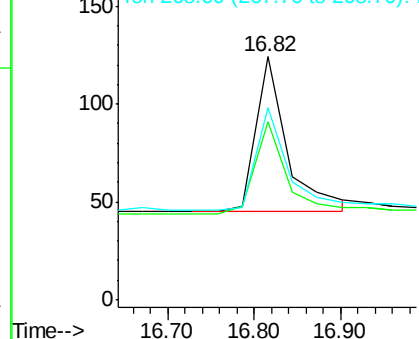


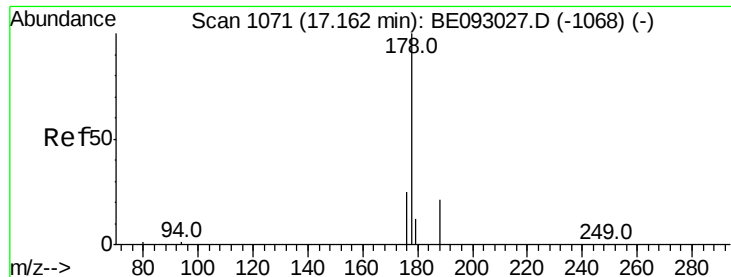
#22
Pentachlorophenol
Concen: 0.46 ng
RT: 16.82 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Tgt Ion:266 Resp: 200
Ion Ratio Lower Upper
266 100
264 73.4 58.2 87.2
268 79.0 71.9 107.9



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: 0.35 ng

RT: 17.19 min Scan# 1071

Delta R.T. 0.03 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

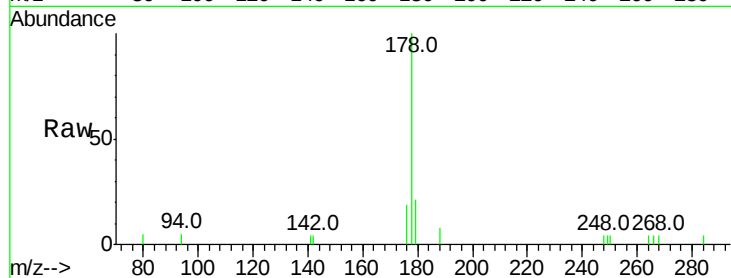
Tot Ion:178 Resp: 2722

Ion Ratio Lower Upper

178 100

176 18.4 15.0 22.4

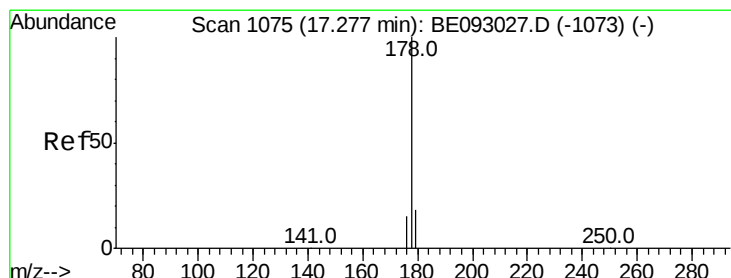
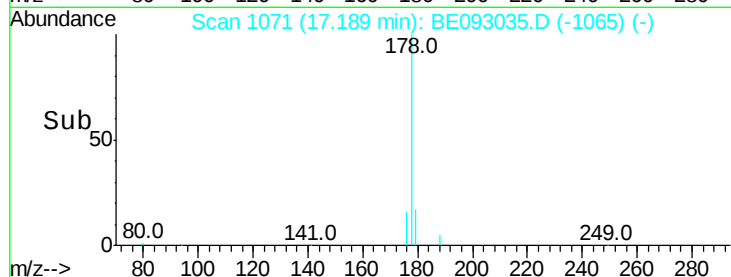
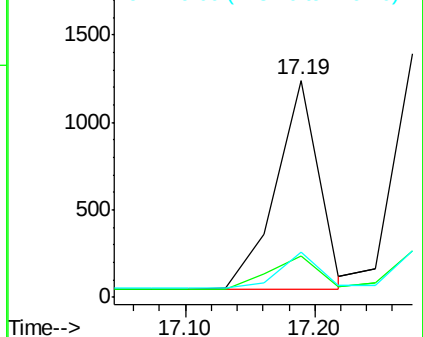
179 16.2 12.7 19.1



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: 0.35 ng

RT: 17.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

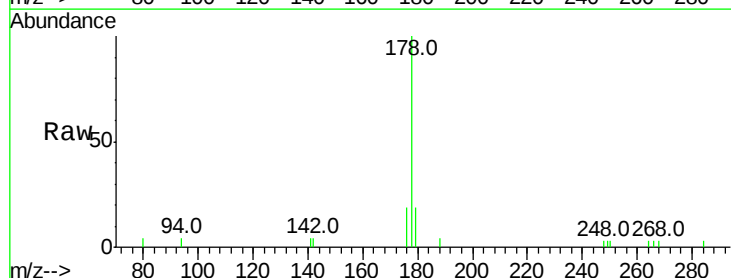
Tgt Ion:178 Resp: 2691

Ion Ratio Lower Upper

178 100

176 17.5 14.6 22.0

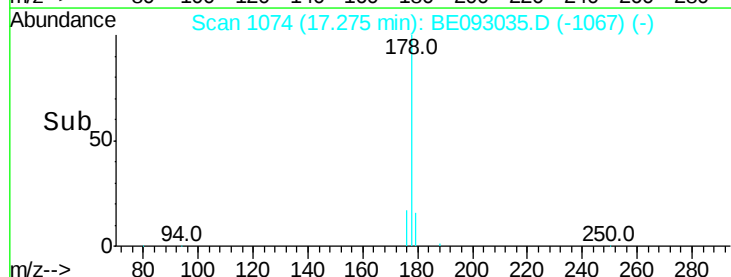
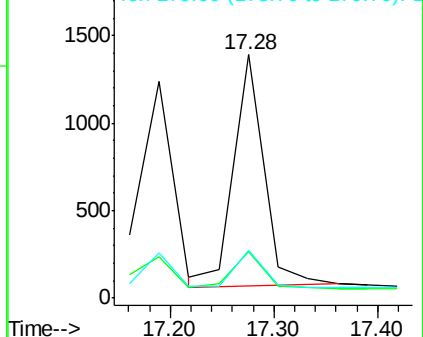
179 15.3 12.0 18.0

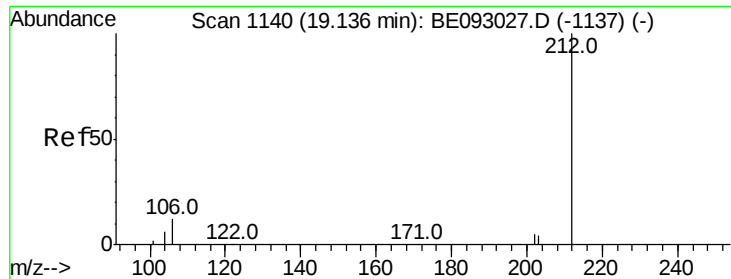


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.30 ng

RT: 19.14 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

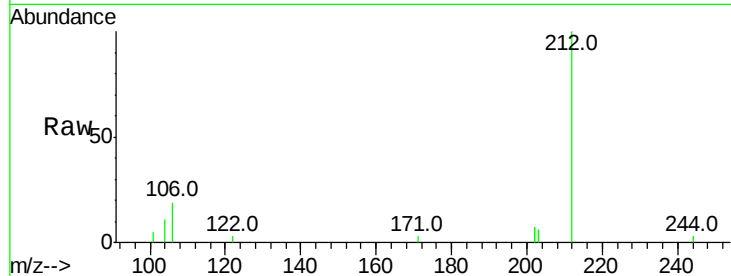
Tot Ion:212 Resp: 2840

Ion Ratio Lower Upper

212 100

106 16.3 0.0 0.0#

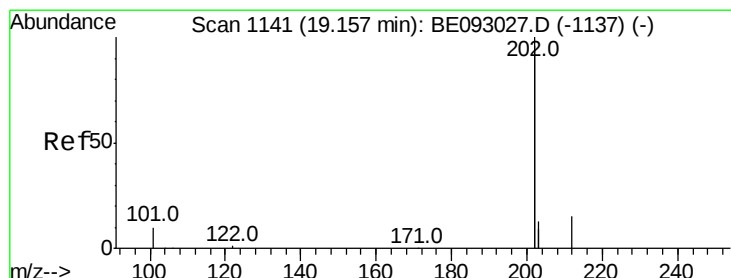
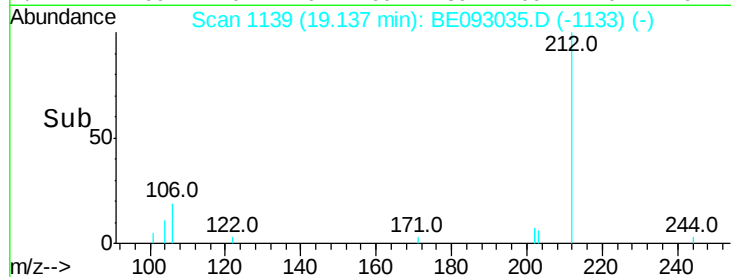
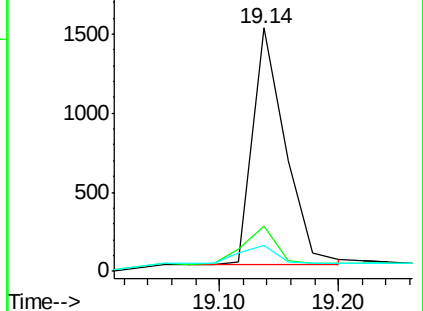
104 8.7 0.0 0.0#



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: 0.29 ng

RT: 19.16 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

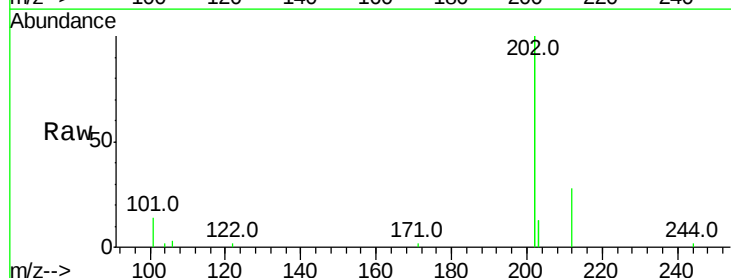
Tgt Ion:202 Resp: 12992

Ion Ratio Lower Upper

202 100

101 3.8 0.0 0.0#

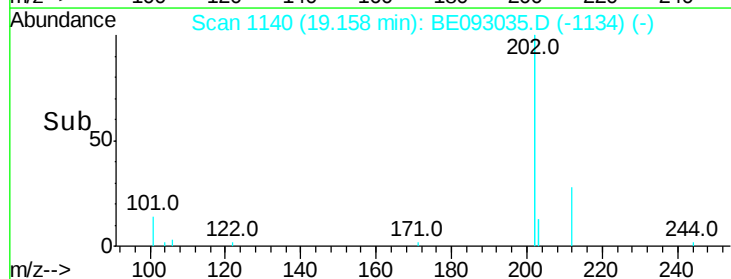
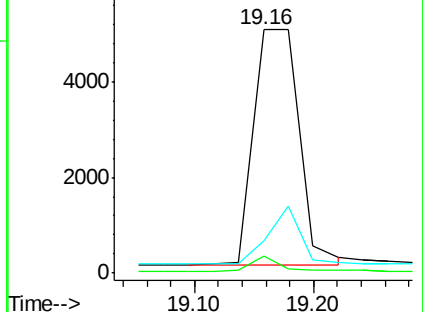
203 0.0 14.4 21.6#

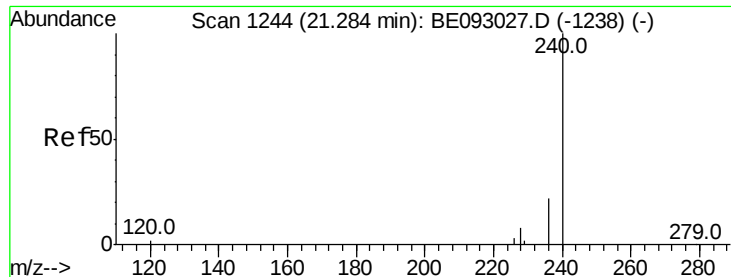


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

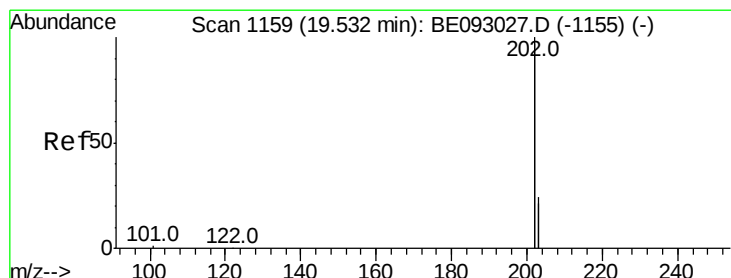
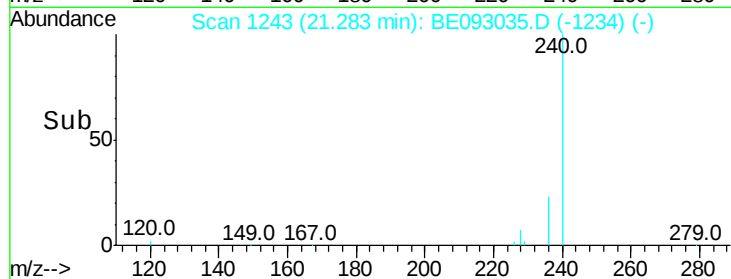
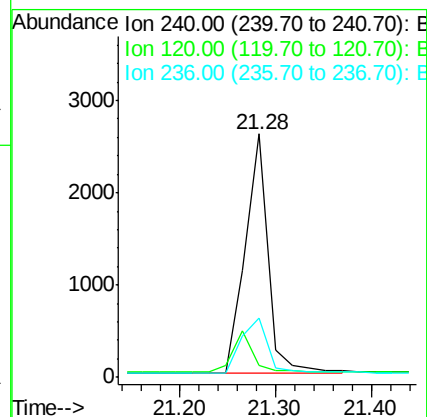
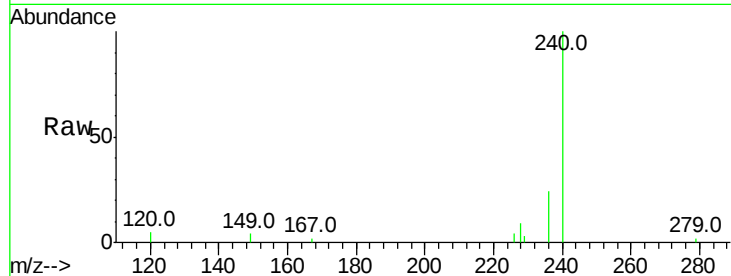




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

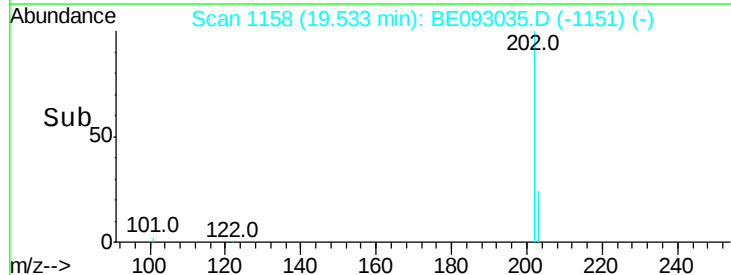
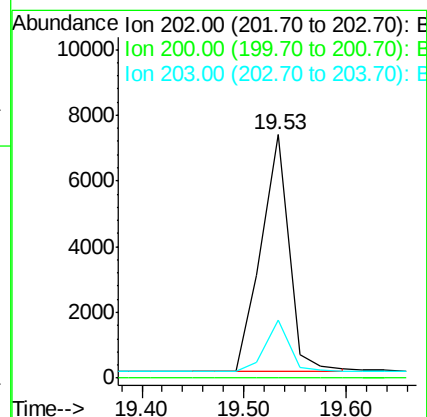
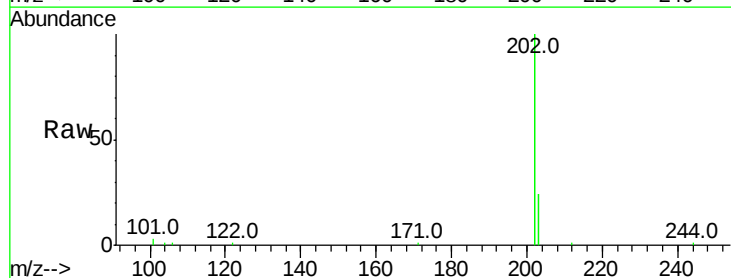
Instrument :
BNA_E
ClientSampleId :

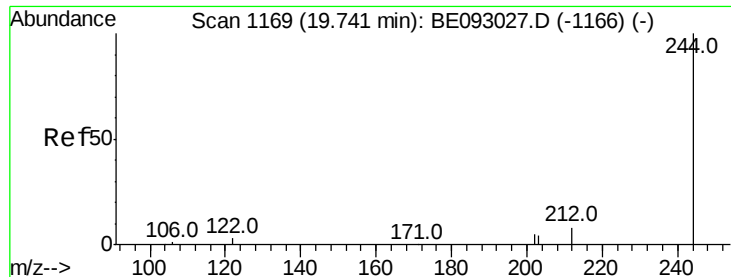
Tot Ion:240 Resp: 4291
Ion Ratio Lower Upper
240 100
120 4.7 4.6 7.0
236 24.4 20.8 31.2



#28
Pyrene
Concen: 0.26 ng
RT: 19.53 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Tgt Ion:202 Resp: 13637
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.7 13.7 20.5





#29

Terphenyl-d14

Concen: 0.33 ng

RT: 19.74 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampled :

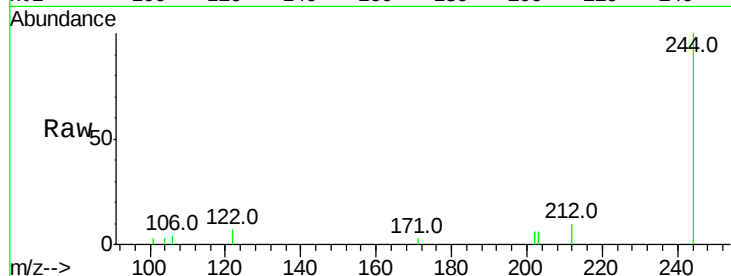
Tot Ion:244 Resp: 2661

Ion Ratio Lower Upper

244 100

212 10.1 10.6 16.0#

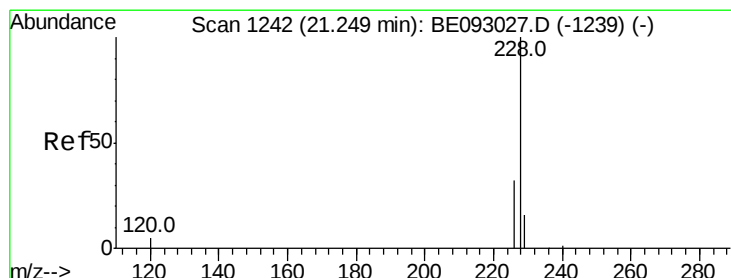
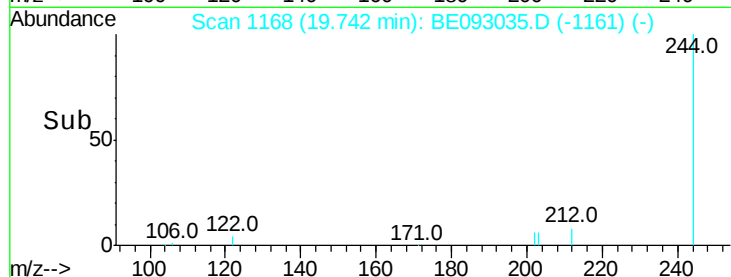
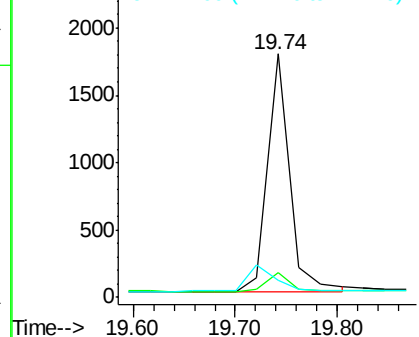
122 6.9 15.4 23.0#



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



#30

Benzo(a)anthracene

Concen: 0.29 ng

RT: 21.27 min Scan# 1242

Delta R.T. 0.02 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

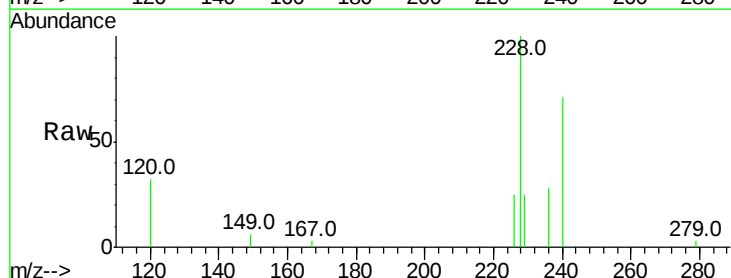
Tgt Ion:228 Resp: 3398

Ion Ratio Lower Upper

228 100

226 24.8 19.7 29.5

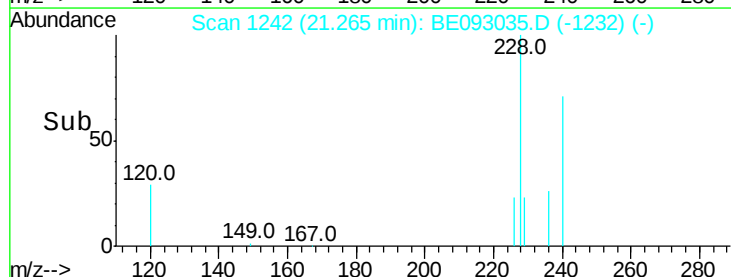
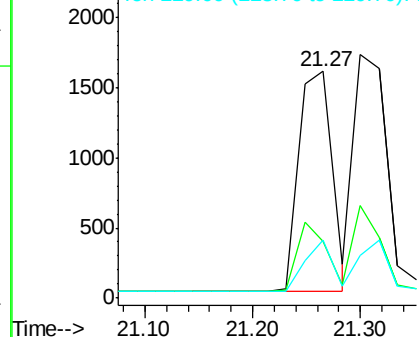
229 25.4 19.2 28.8

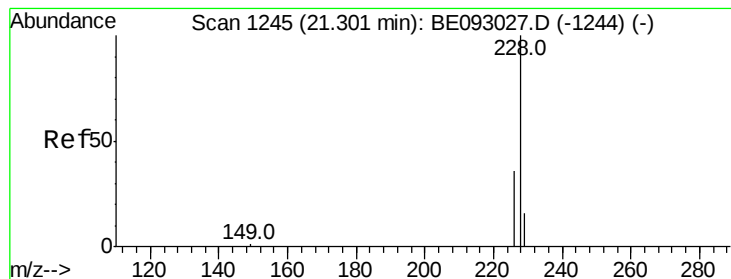


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.27 ng

RT: 21.27 min Scan# 1242

Delta R.T. -0.04 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

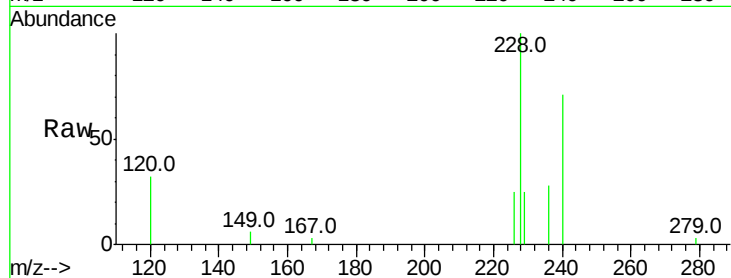
Tot Ion:228 Resp: 3398

Ion Ratio Lower Upper

228 100

226 24.8 21.5 32.3

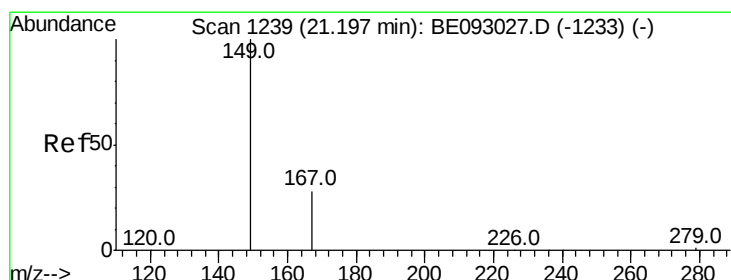
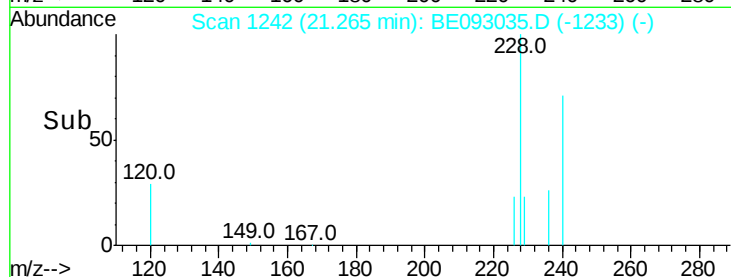
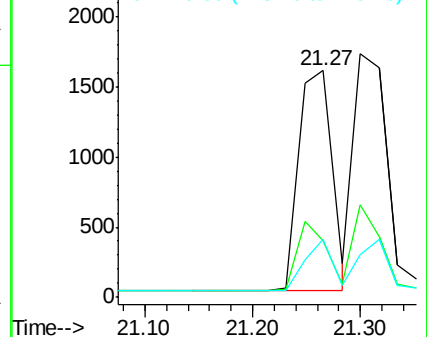
229 25.4 18.6 28.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.20 min Scan# 1238

Delta R.T. -0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

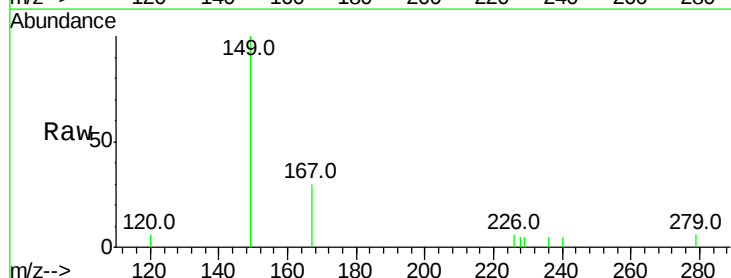
Tgt Ion:149 Resp: 1072

Ion Ratio Lower Upper

149 100

167 24.7 20.1 30.1

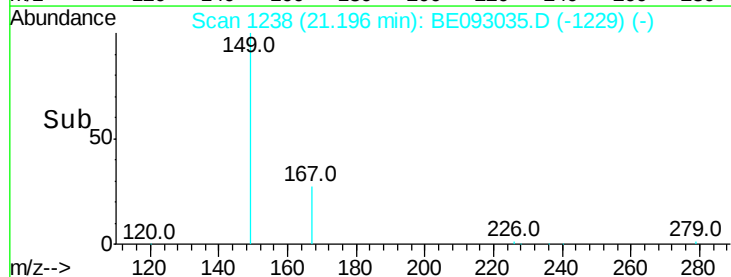
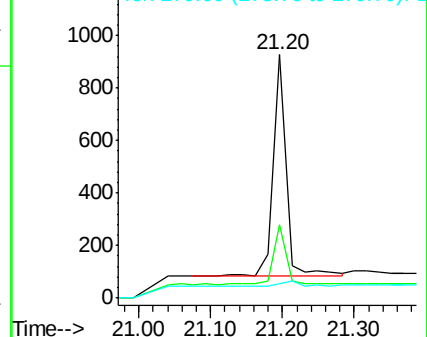
279 3.3 2.2 3.4

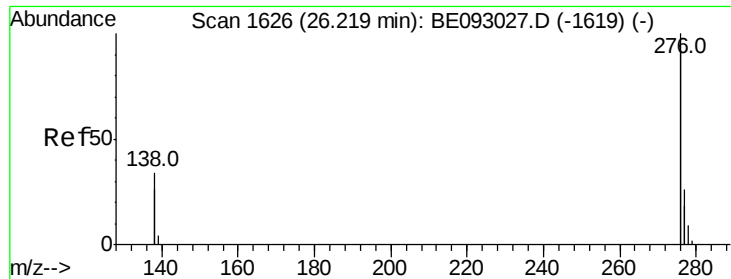


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.35 ng

RT: 26.24 min Scan# 1626

Delta R.T. 0.02 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

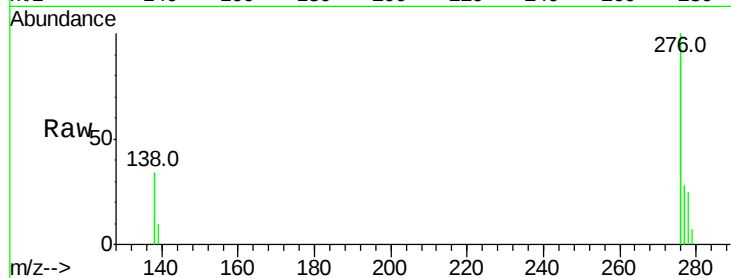
Tot Ion:276 Resp: 15882

Ion Ratio Lower Upper

276 100

138 32.7 27.4 41.2

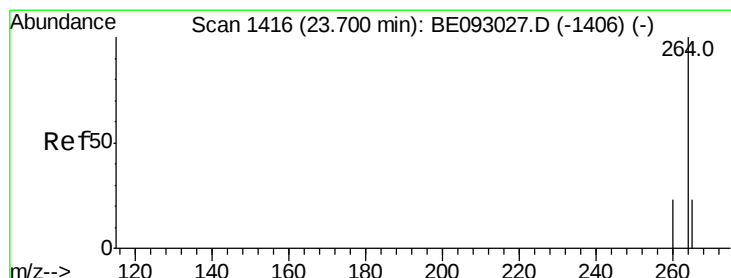
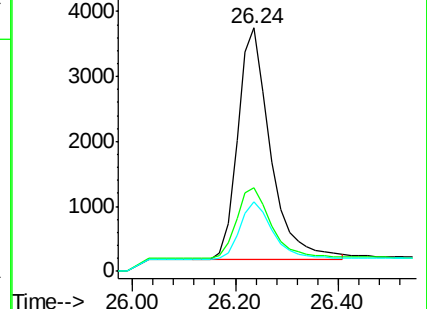
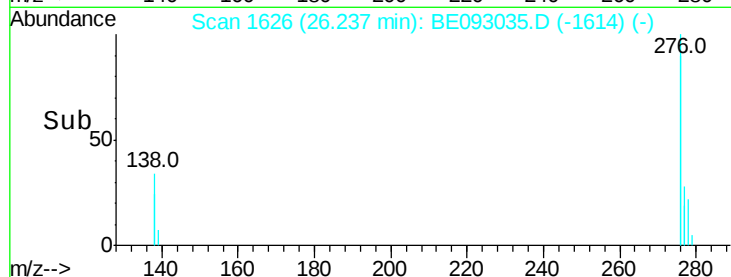
277 24.9 20.1 30.1



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: 0.40 ng

RT: 23.70 min Scan# 1415

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

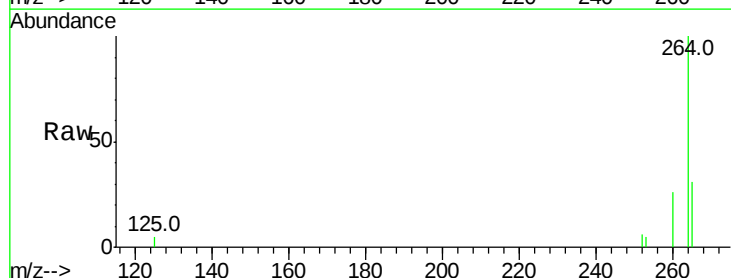
Tgt Ion:264 Resp: 3850

Ion Ratio Lower Upper

264 100

260 25.9 21.0 31.4

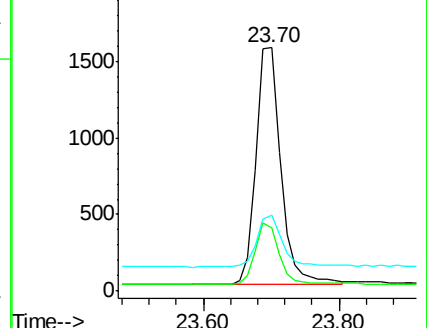
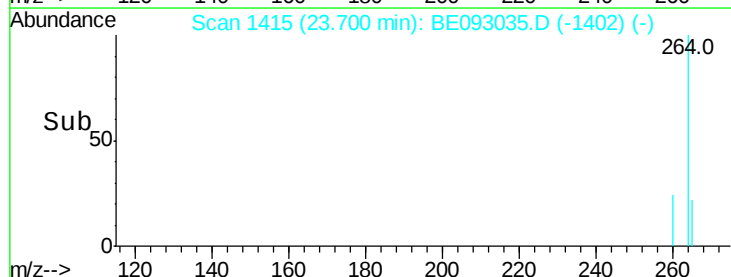
265 31.3 24.6 36.8

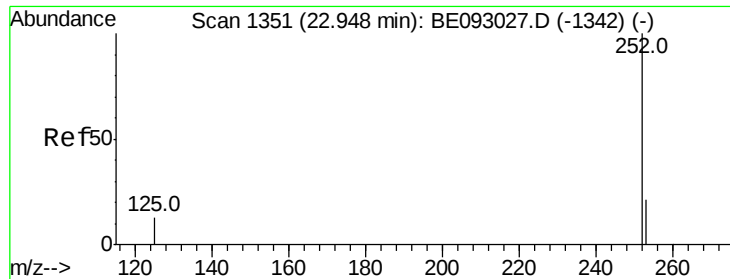


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

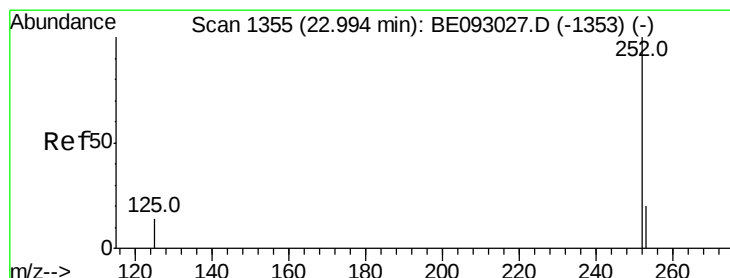
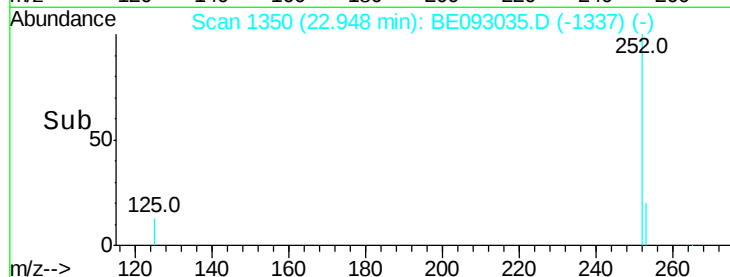
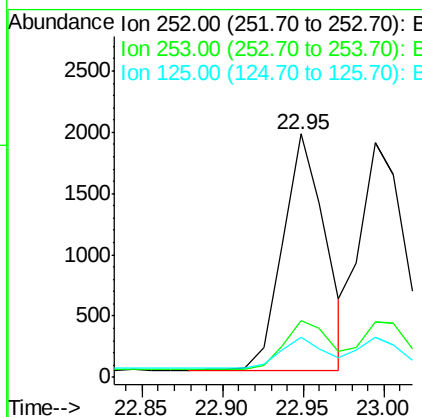
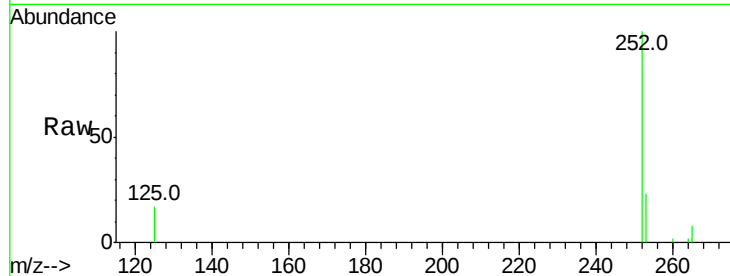




#35
Benzo(b)fluoranthene
Concen: 0.29 ng
RT: 22.95 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

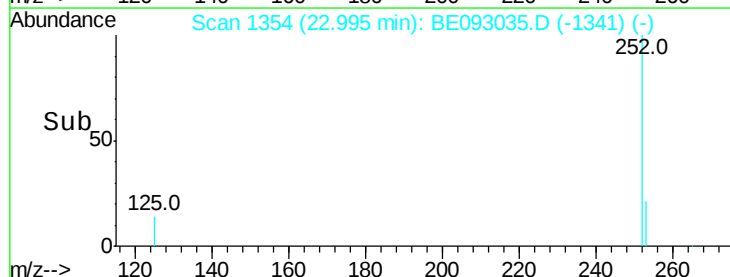
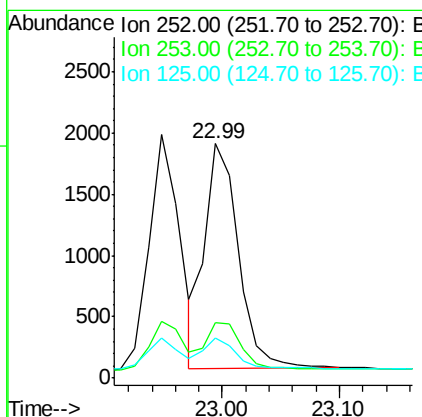
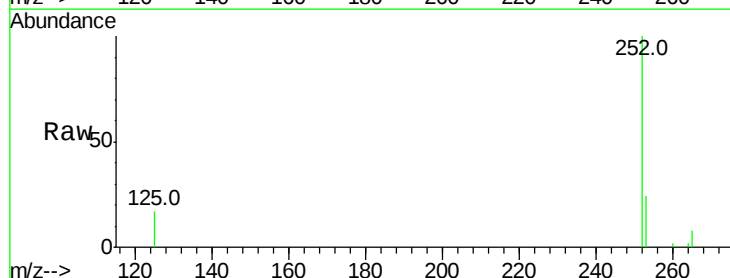
Instrument :
BNA_E
ClientSampled :

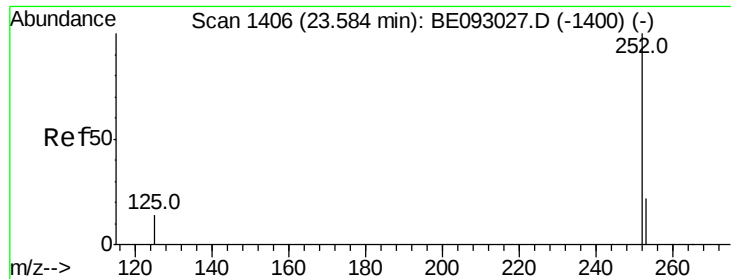
Tot Ion:252 Resp: 3535
Ion Ratio Lower Upper
252 100
253 23.4 18.5 27.7
125 16.6 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.30 ng
RT: 22.99 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BE093035.D
Acq: 15 May 2017 15:34

Tgt Ion:252 Resp: 3646
Ion Ratio Lower Upper
252 100
253 23.7 20.3 30.5
125 17.3 12.2 18.4





#37

Benzo(a)pyrene

Concen: 0.30 ng

RT: 23.58 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :

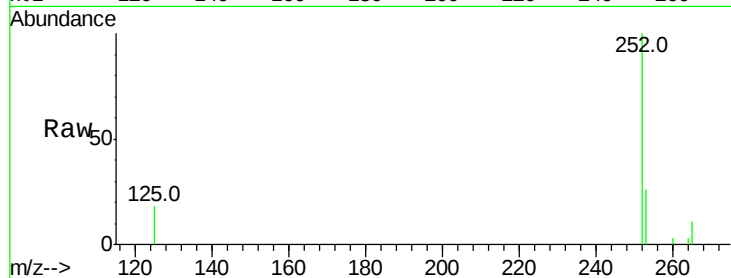
Tot Ion:252 Resp: 3300

Ion Ratio Lower Upper

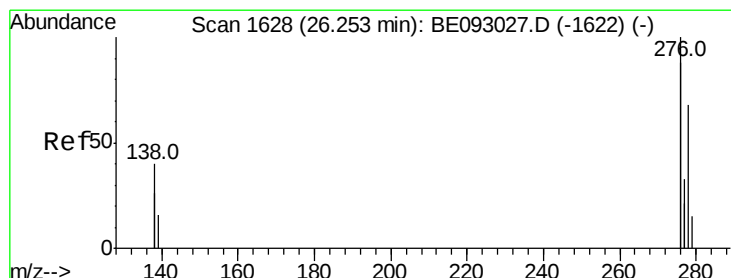
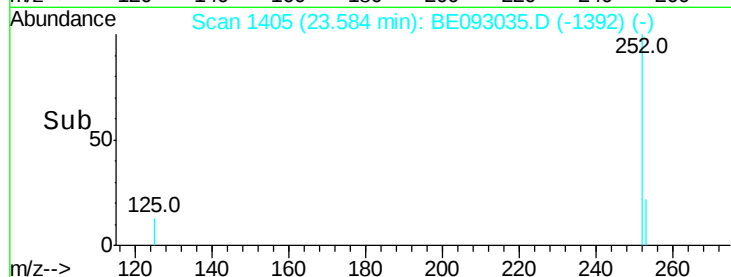
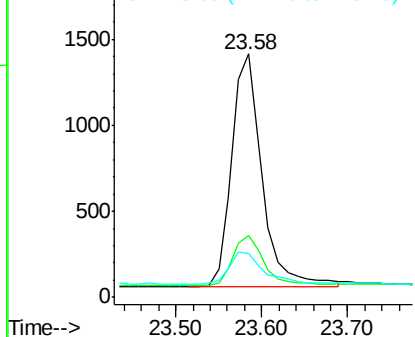
252 100

253 25.6 19.9 29.9

125 18.3 14.6 21.8



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: 0.31 ng

RT: 26.25 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE093035.D

Acq: 15 May 2017 15:34

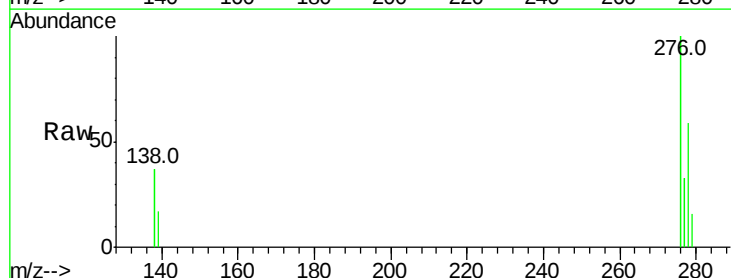
Tgt Ion:278 Resp: 3231

Ion Ratio Lower Upper

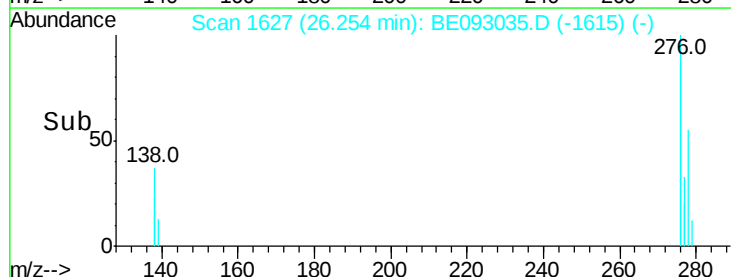
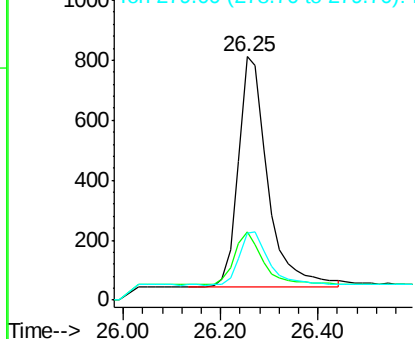
278 100

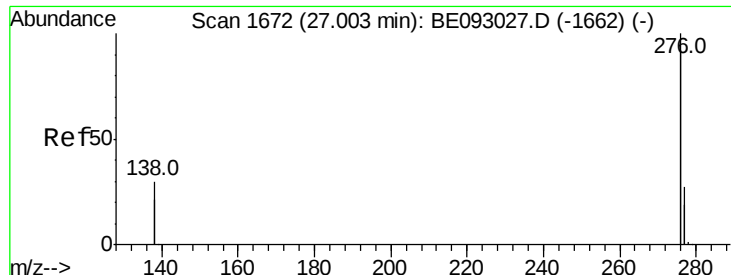
139 28.3 21.4 32.0

279 27.3 22.2 33.2



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: 0.31 ng

RT: 27.00 min Scan# 1671

Delta R.T. 0.00 min

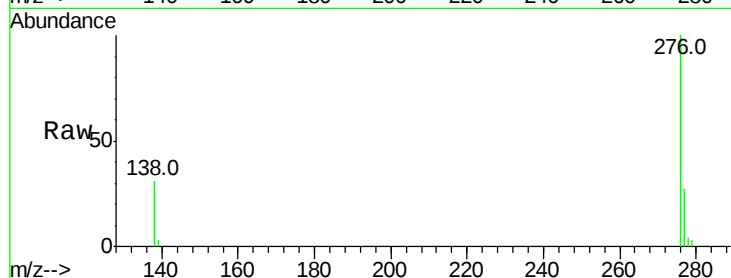
Lab File: BE093035.D

Acq: 15 May 2017 15:34

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 14080

Ion Ratio Lower Upper

276 100

277 26.7 21.2 31.8

138 30.8 24.5 36.7

