

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051617\
 Data File : BE093046.D
 Acq On : 16 May 2017 9:22
 Operator : SJ/MA
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 18 00:52:49 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	927	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3972	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1890	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5310	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5322	0.40	ng	0.00
34) Perylene-d12	23.69	264	4574	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	1016	0.36	ng	0.00
5) Phenol-d6	6.92	99	1371	0.36	ng	0.00
8) Nitrobenzene-d5	8.88	82	1265	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.11	152	1990	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	198	0.35	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	2729	0.35	ng	0.00
25) Fluoranthene-d10	19.14	212	4423	0.32	ng	0.00
29) Terphenyl-d14	19.74	244	3498	0.35	ng	0.00

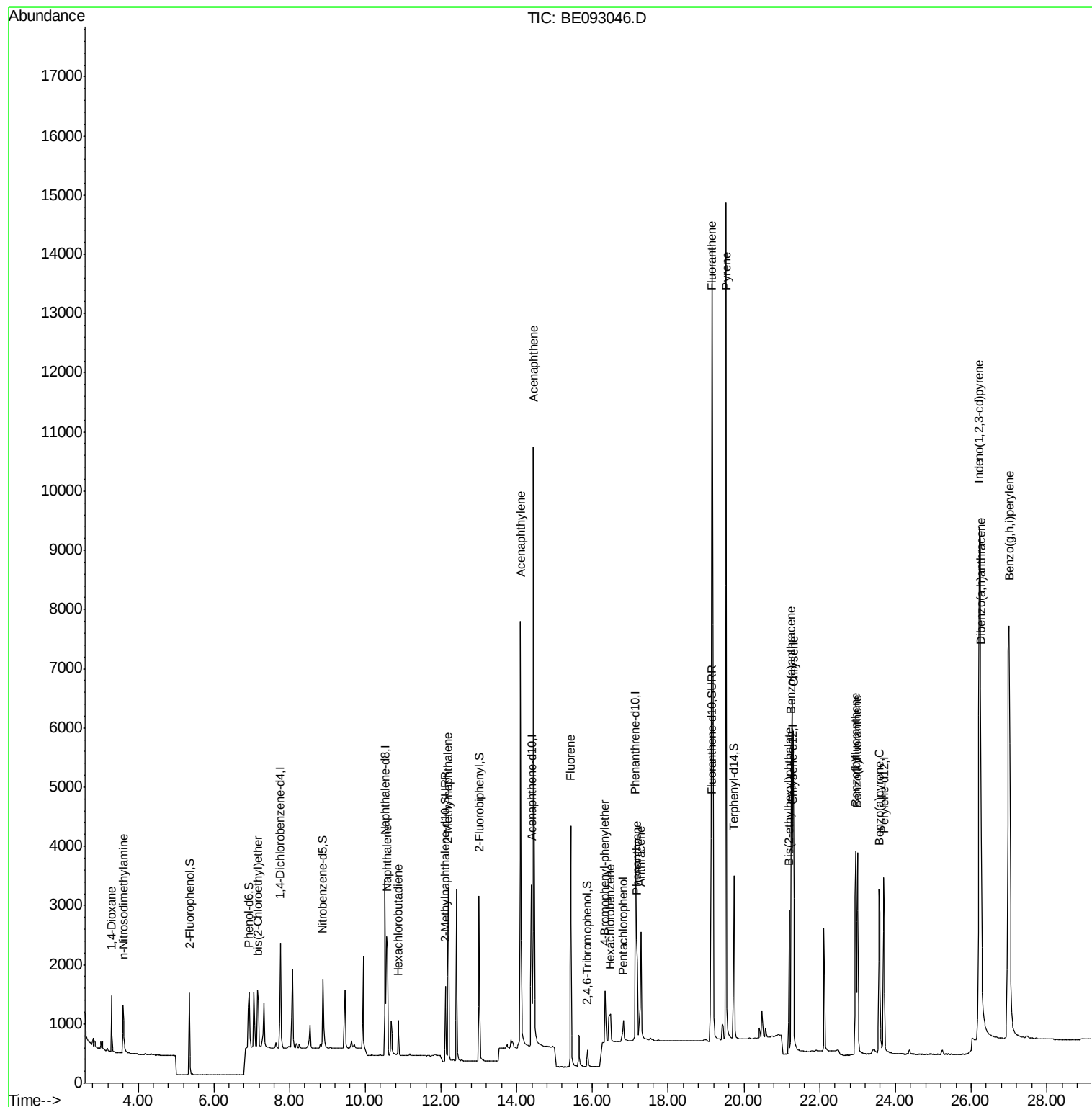
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	649	0.35	ng	98
3) n-Nitrosodimethylamine	3.61	42	600	0.36	ng	# 98
6) bis(2-Chloroethyl)ether	7.18	93	1111	0.36	ng	# 99
9) Naphthalene	10.56	128	3736	0.36	ng	# 94
10) Hexachlorobutadiene	10.87	225	492	0.36	ng	97
12) 2-Methylnaphthalene	12.19	142	2178	0.34	ng	97
16) Acenaphthylene	14.10	152	11647	0.35	ng	99
17) Acenaphthene	14.44	154	2135	0.36	ng	98
18) Fluorene	15.43	166	2636	0.36	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	549	0.33	ng	# 1
21) Hexachlorobenzene	16.47	284	722	0.28	ng	# 100
22) Pentachlorophenol	16.82	266	423	0.69	ng	91
23) Phenanthrene	17.16	178	3592	0.30	ng	# 81
24) Anthracene	17.28	178	3195	0.27	ng	98
26) Fluoranthene	19.16	202	21232	0.32	ng	# 59
28) Pyrene	19.53	202	23065	0.36	ng	# 97
30) Benzo(a)anthracene	21.25	228	5429	0.38	ng	# 86
31) Chrysene	21.30	228	5651	0.37	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.20	149	2525	0.36	ng	92
33) Indeno(1,2,3-cd)pyrene	26.22	276	20796	0.37	ng	98
35) Benzo(b)fluoranthene	22.95	252	5088	0.35	ng	97
36) Benzo(k)fluoranthene	23.00	252	4734	0.33	ng	97
37) Benzo(a)pyrene	23.57	252	4673	0.35	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	4400	0.36	ng	96
39) Benzo(g,h,i)perylene	27.00	276	18621	0.35	ng	99

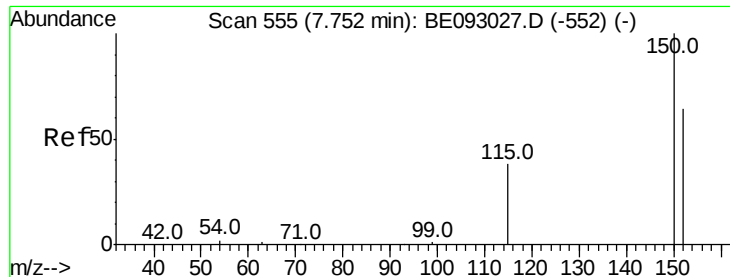
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 15 13:35:57 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampled :

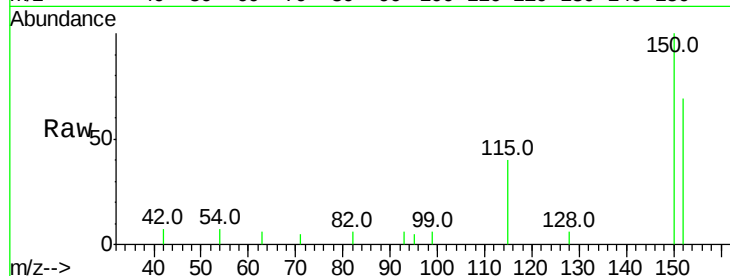
Tot Ion:152 Resp: 927

Ion Ratio Lower Upper

152 100

150 145.2 125.1 187.7

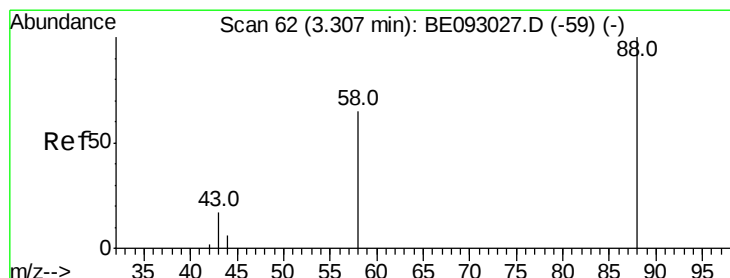
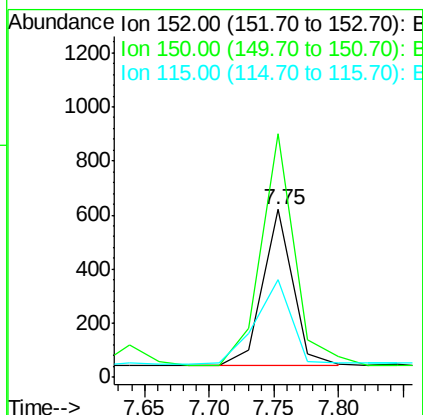
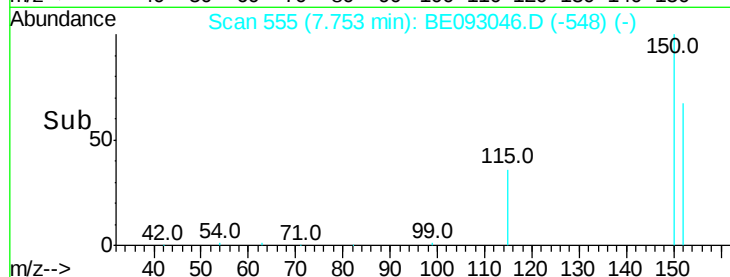
115 57.9 55.7 83.5



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: 0.35 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

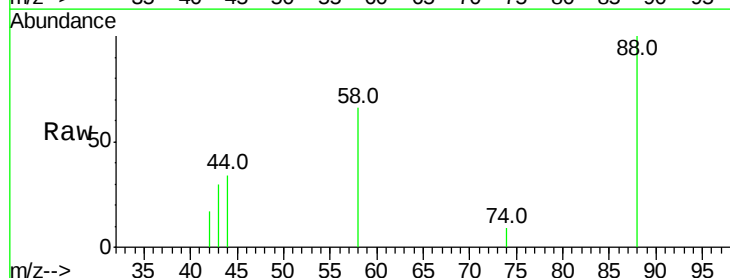
Tgt Ion: 88 Resp: 649

Ion Ratio Lower Upper

88 100

58 76.4 62.2 93.4

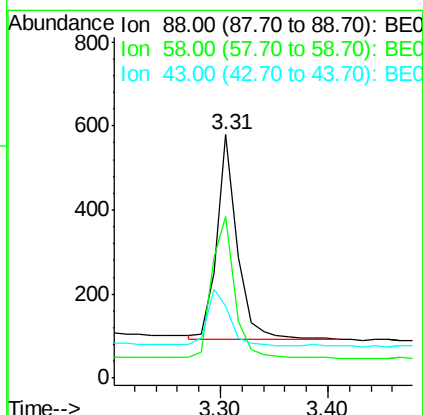
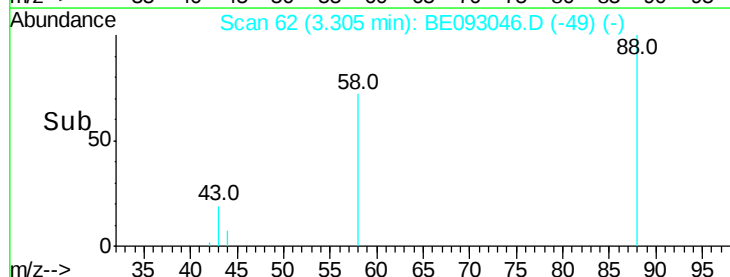
43 31.6 23.2 34.8

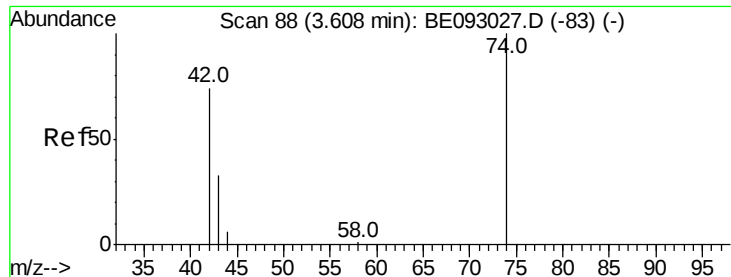


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.36 ng

RT: 3.61 min Scan# 88

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

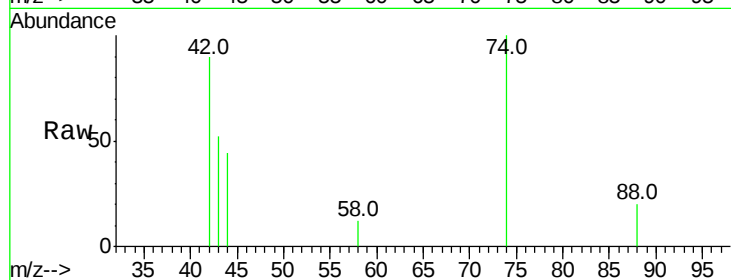
Tot Ion: 42 Resp: 600

Ion Ratio Lower Upper

42 100

74 126.3 99.1 148.7

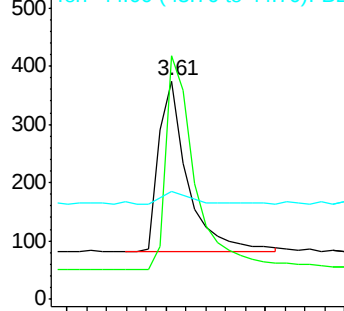
44 6.8 7.4 11.2#



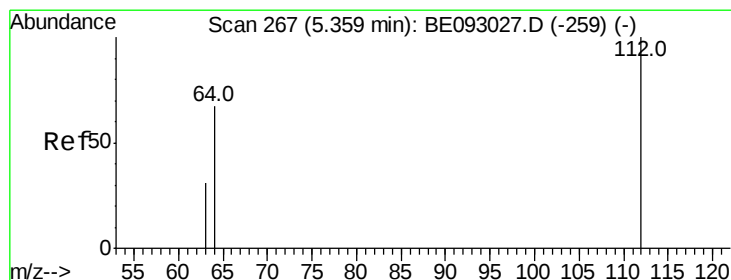
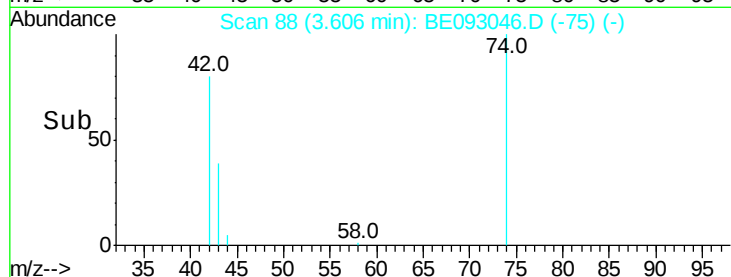
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.36 ng

RT: 5.35 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

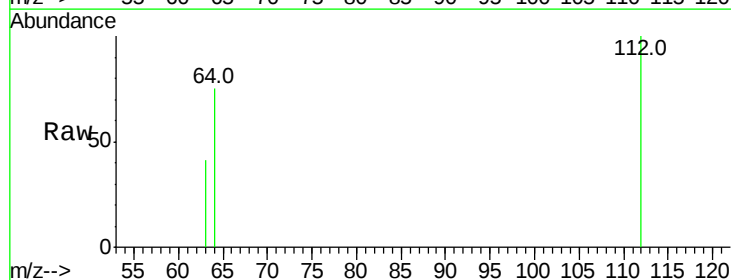
Tgt Ion: 112 Resp: 1016

Ion Ratio Lower Upper

112 100

64 71.8 56.4 84.6

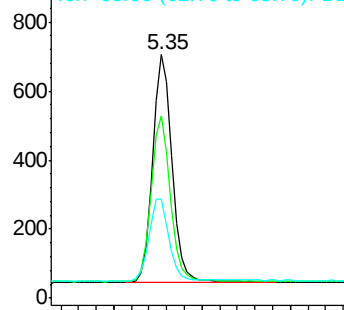
63 37.6 29.3 43.9



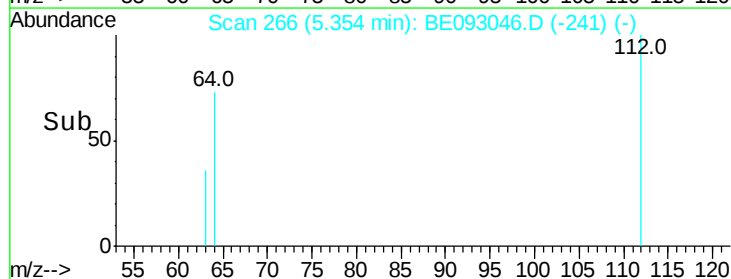
Abundance Ion 112.00 (111.70 to 112.70): E

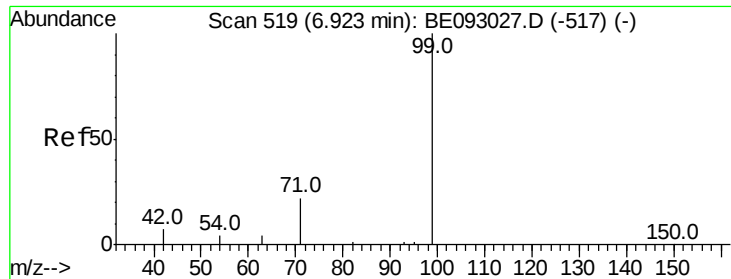
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.36 ng

RT: 6.92 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE093046.D

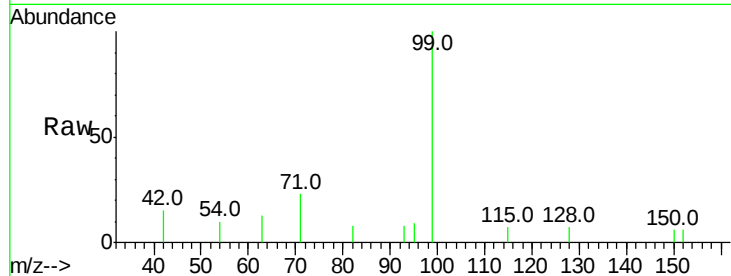
Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampled :

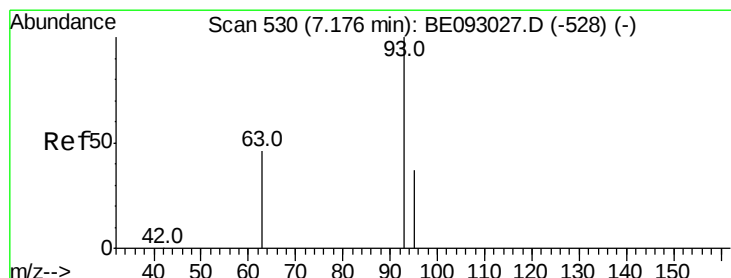
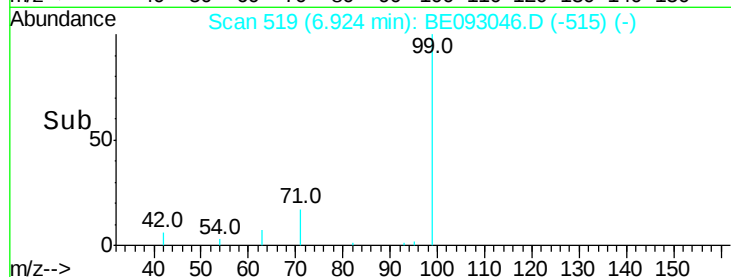
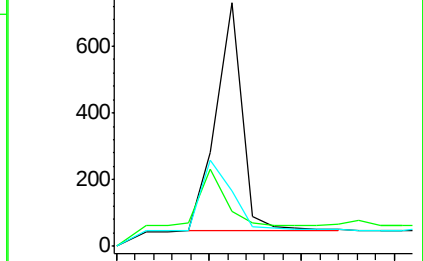
Tot Ion:	99	Resp:	1371
Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	0.0	0.0



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: 0.36 ng

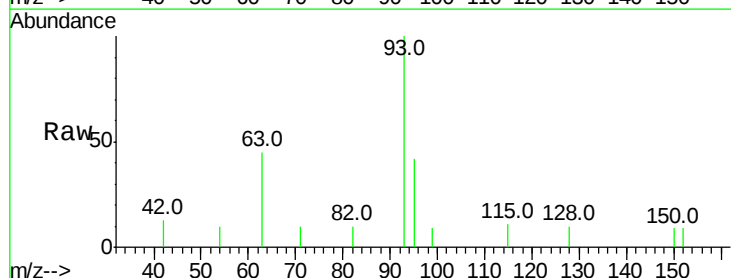
RT: 7.18 min Scan# 530

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

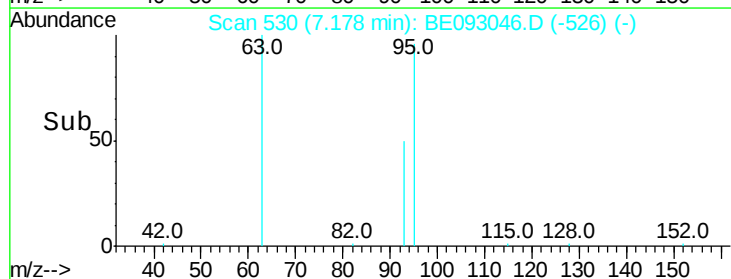
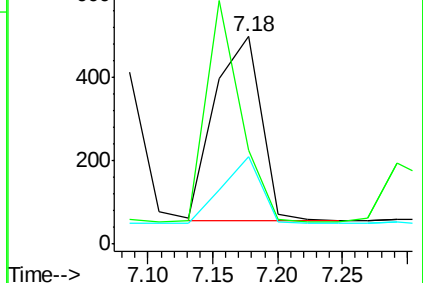
Tgt Ion:	93	Resp:	1111
Ion	Ratio	Lower	Upper
93	100		
63	0.0	0.0	0.0
95	31.1	25.4	38.0

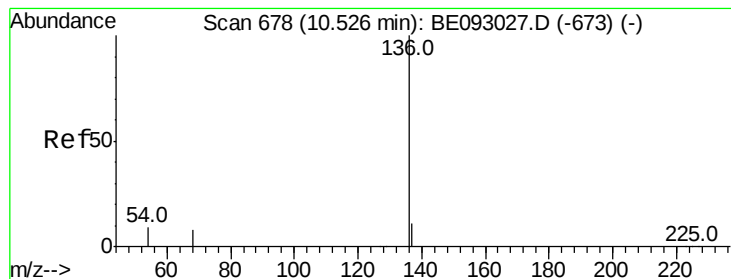


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.53 min Scan# 678

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3972

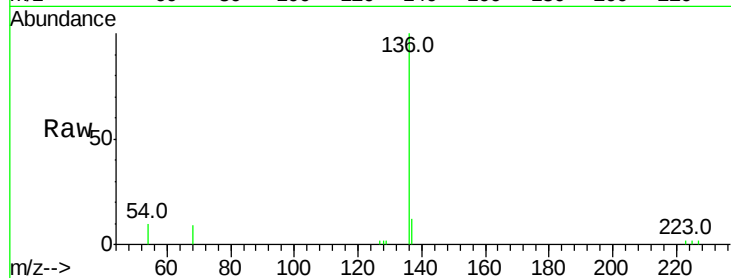
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 10.2 10.3 15.5#

68 9.0 9.0 13.4

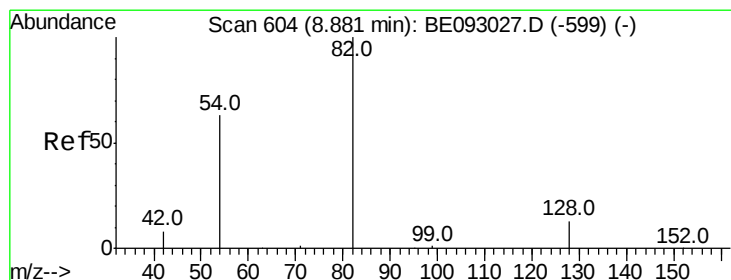
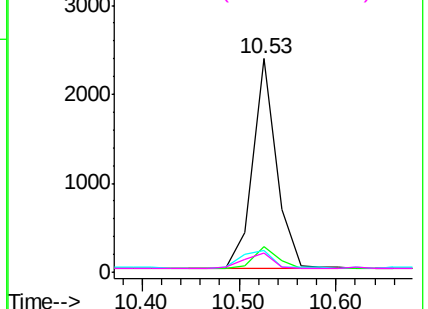
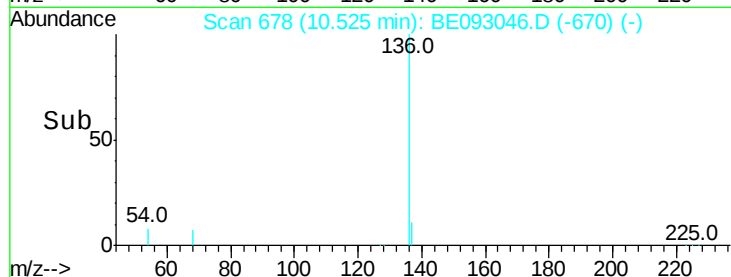


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.36 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

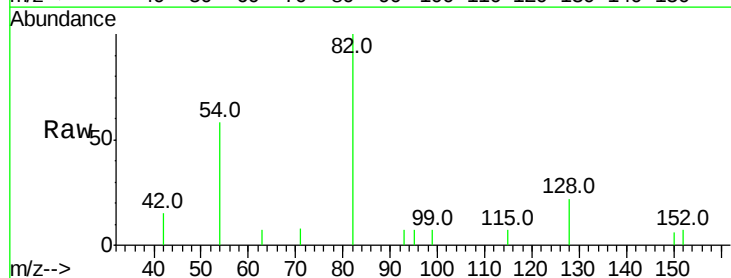
Tgt Ion: 82 Resp: 1265

Ion Ratio Lower Upper

82 100

128 21.7 17.0 25.4

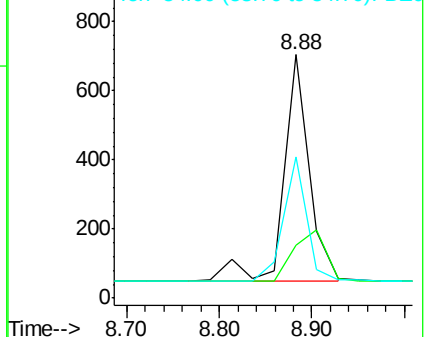
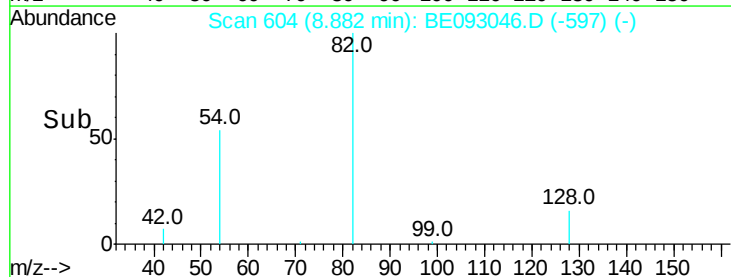
54 57.9 53.8 80.6

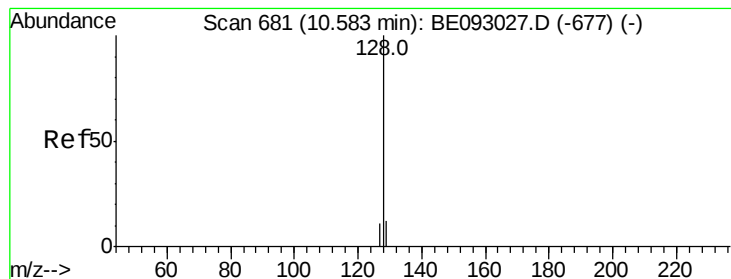


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.36 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

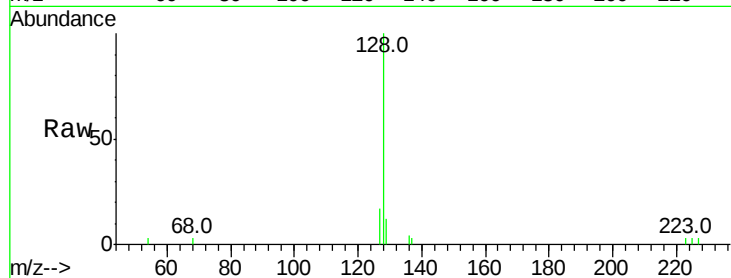
Tot Ion:128 Resp: 3736

Ion Ratio Lower Upper

128 100

129 12.5 11.4 17.0

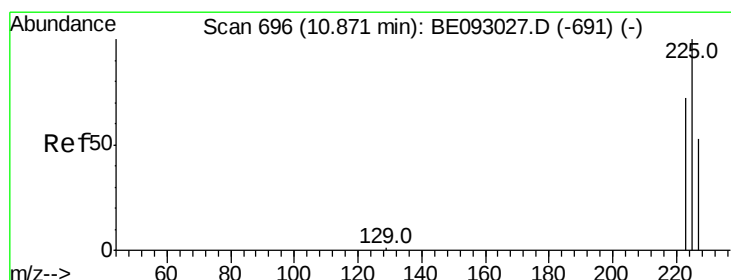
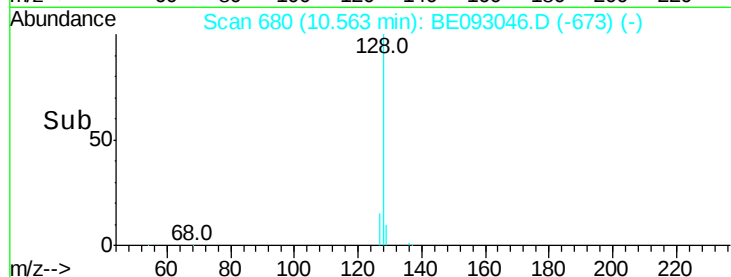
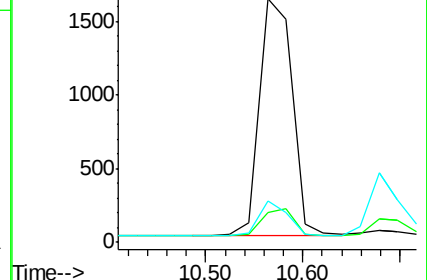
127 16.9 11.2 16.8#



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: 0.36 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

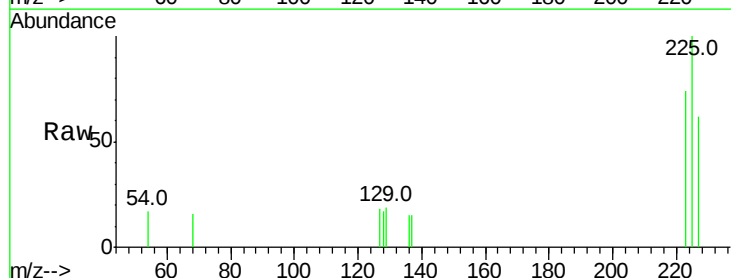
Tgt Ion:225 Resp: 492

Ion Ratio Lower Upper

225 100

223 64.6 49.7 74.5

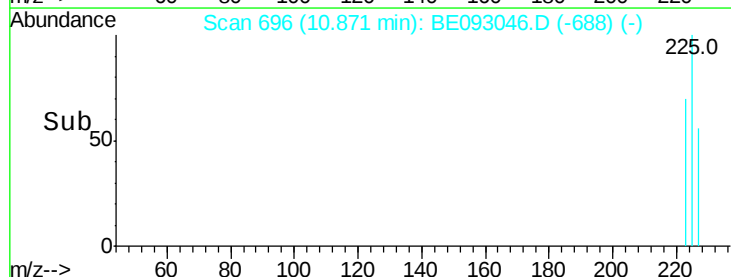
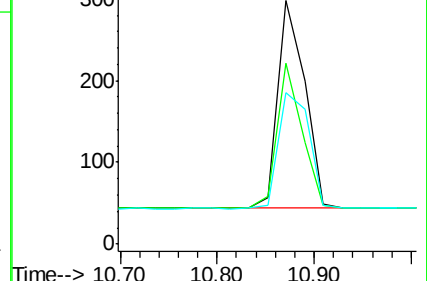
227 65.4 50.3 75.5



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: 0.34 ng

RT: 12.11 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

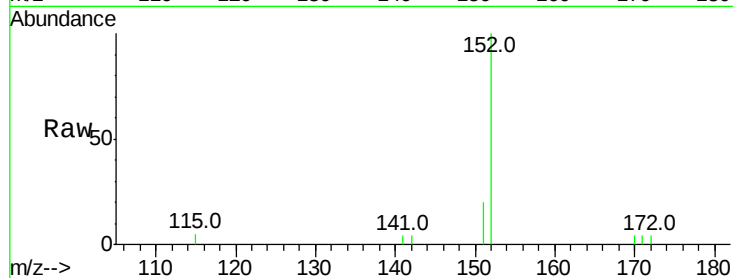
ClientSampled :

Tot Ion:152 Resp: 1990

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.11

1200

1000

800

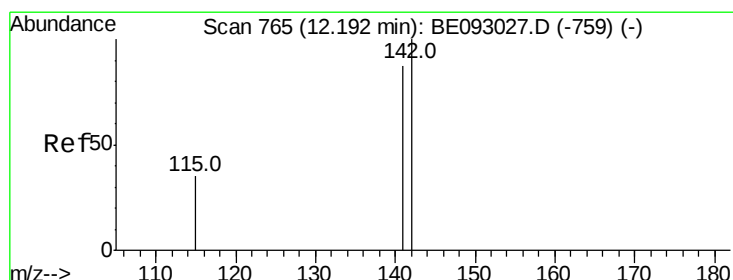
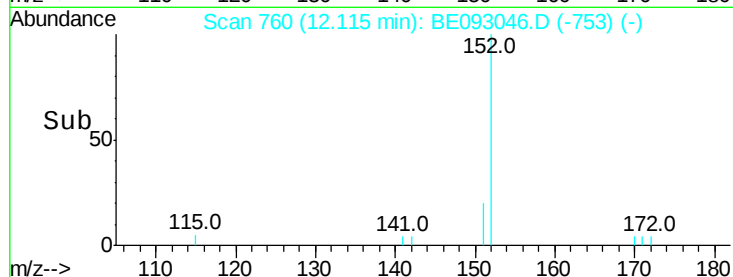
600

400

200

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.34 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

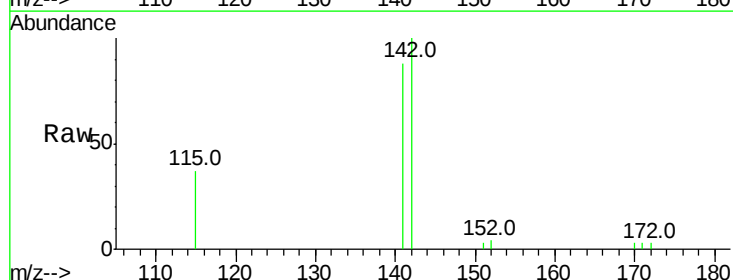
Tgt Ion:142 Resp: 2178

Ion Ratio Lower Upper

142 100

141 88.3 72.6 108.8

115 36.8 32.2 48.2



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

12.19

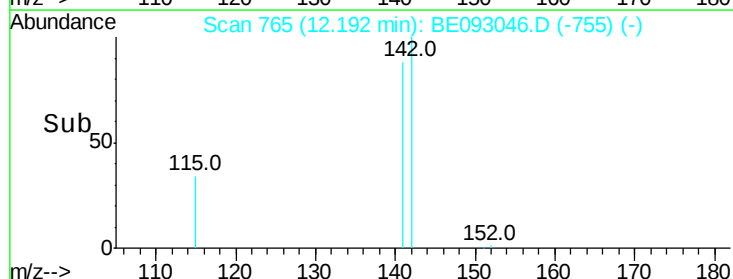
1500

1000

500

0

Time-->





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

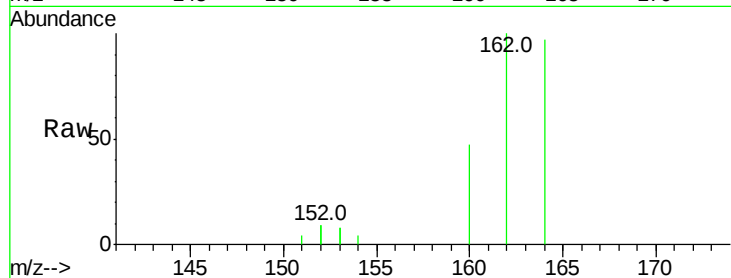
Tot Ion:164 Resp: 1890

Ion Ratio Lower Upper

164 100

162 102.8 84.6 127.0

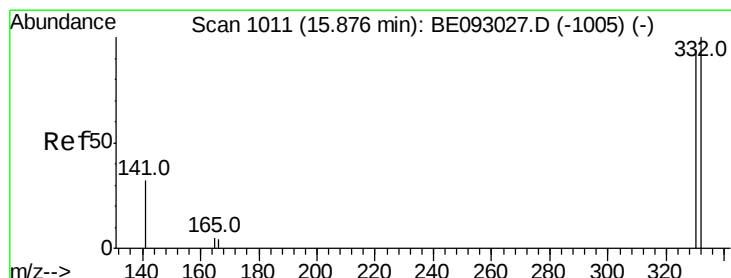
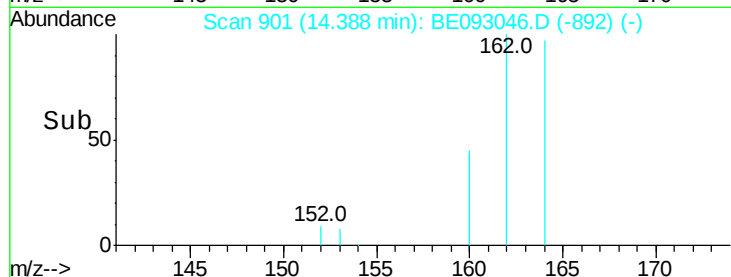
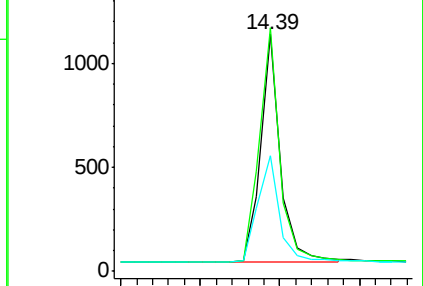
160 48.6 41.8 62.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.35 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

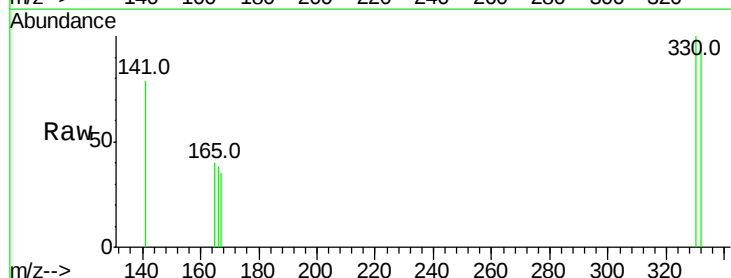
Tgt Ion:330 Resp: 198

Ion Ratio Lower Upper

330 100

332 97.5 77.7 116.5

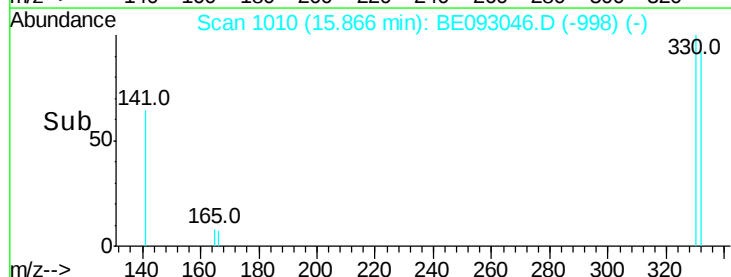
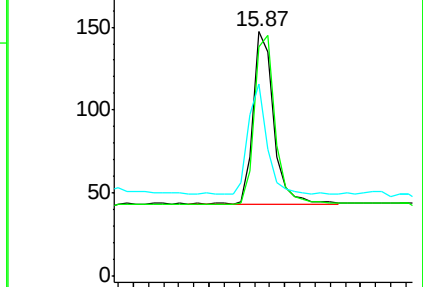
141 57.1 56.2 84.4

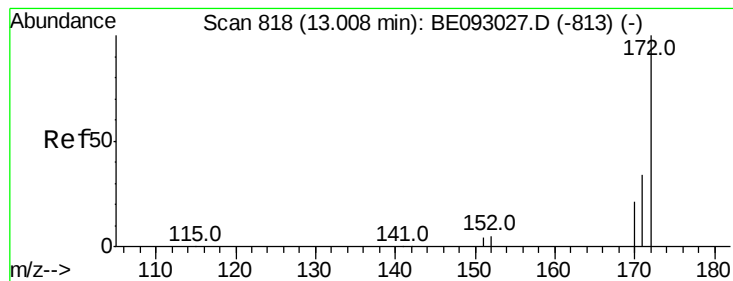


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.35 ng

RT: 13.01 min Scan# 818

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

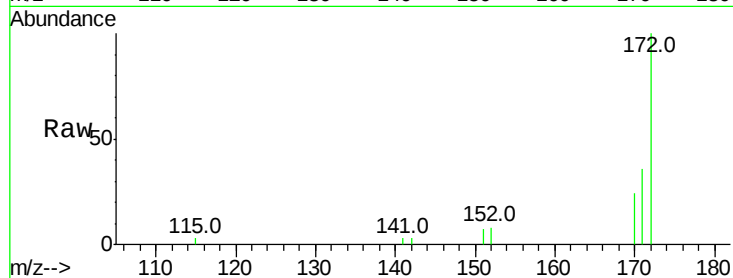
Tot Ion:172 Resp: 2729

Ion Ratio Lower Upper

172 100

171 36.3 29.8 44.6

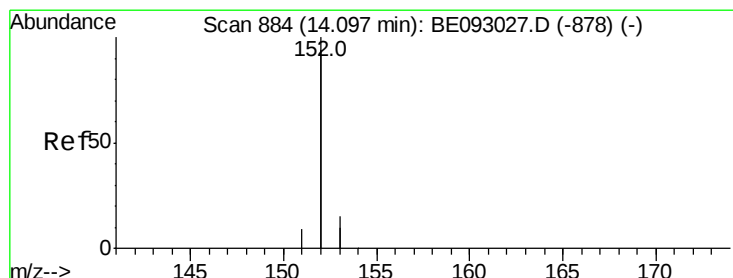
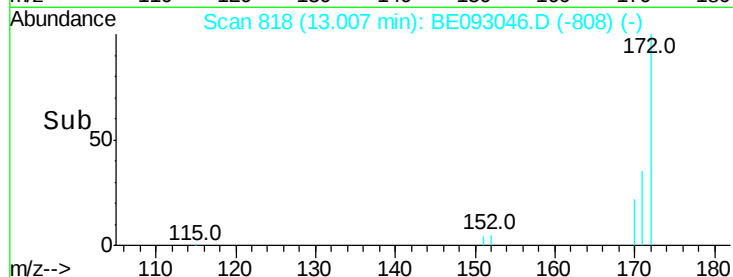
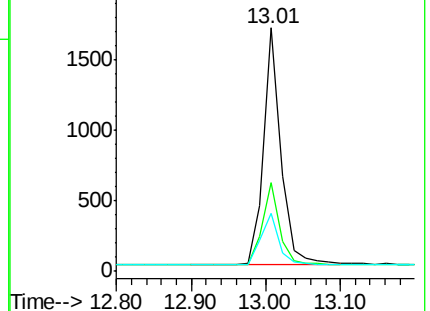
170 23.8 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.35 ng

RT: 14.10 min Scan# 884

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

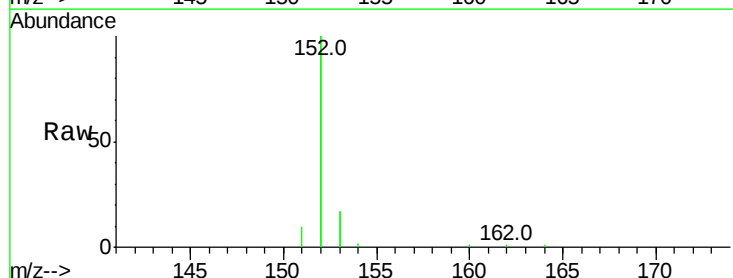
Tgt Ion:152 Resp: 11647

Ion Ratio Lower Upper

152 100

151 4.9 4.0 6.0

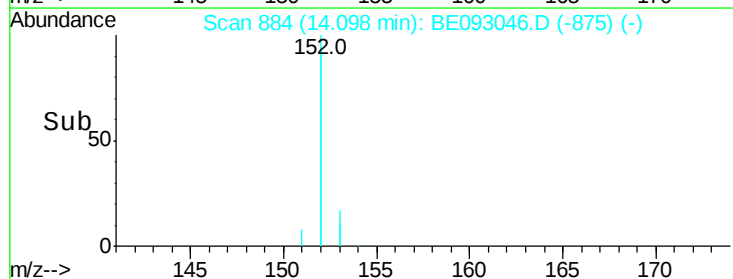
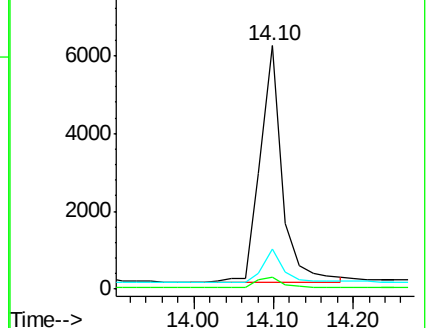
153 13.2 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.36 ng

RT: 14.44 min Scan# 904

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

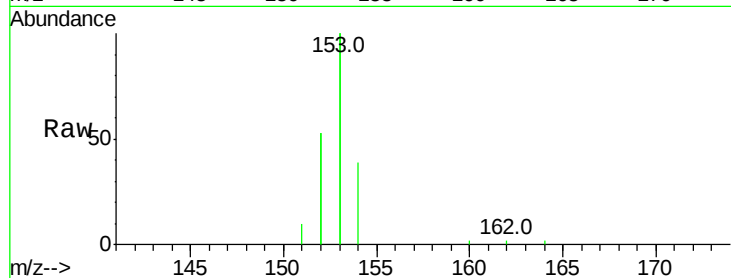
Tot Ion:154 Resp: 2135

Ion Ratio Lower Upper

154 100

153 467.1 367.8 551.6

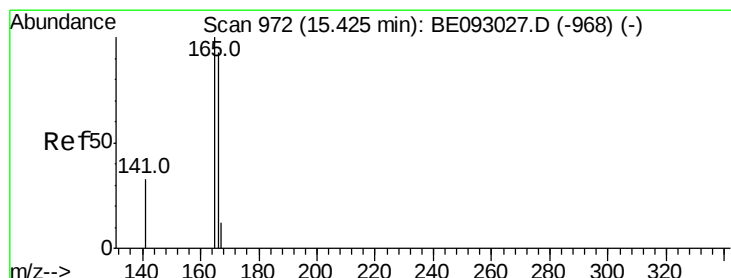
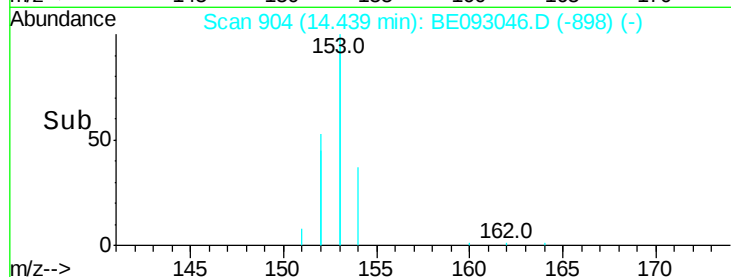
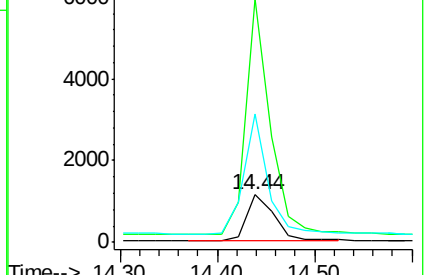
152 232.9 188.2 282.2



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: 0.36 ng

RT: 15.43 min Scan# 972

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

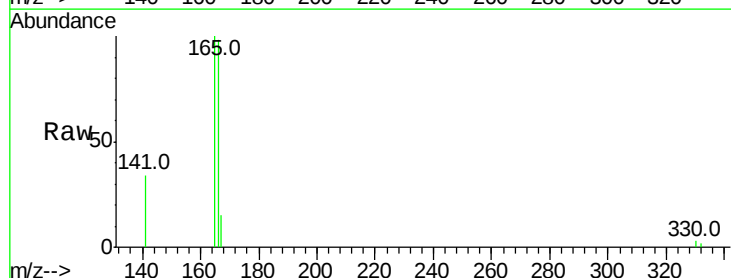
Tgt Ion:166 Resp: 2636

Ion Ratio Lower Upper

166 100

165 98.9 78.6 117.8

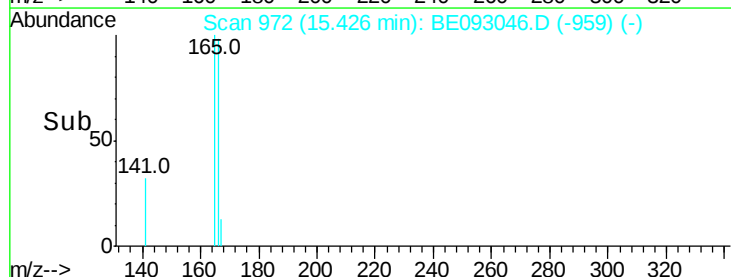
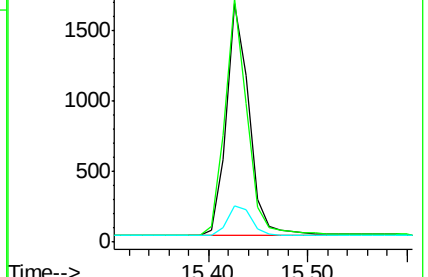
167 14.2 11.1 16.7

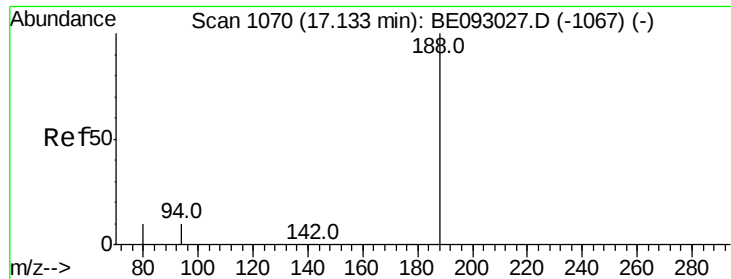


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.13 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

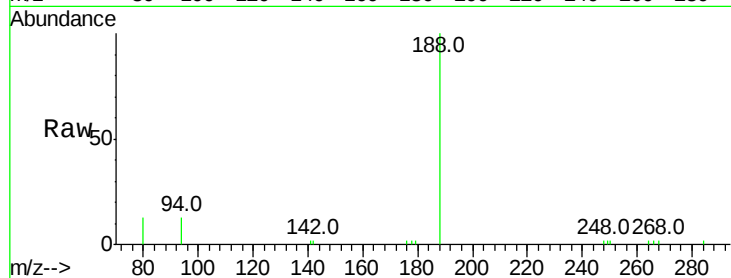
Tot Ion:188 Resp: 5310

Ion Ratio Lower Upper

188 100

94 12.7 11.3 16.9

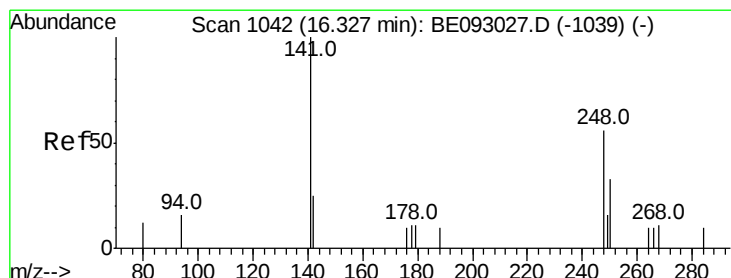
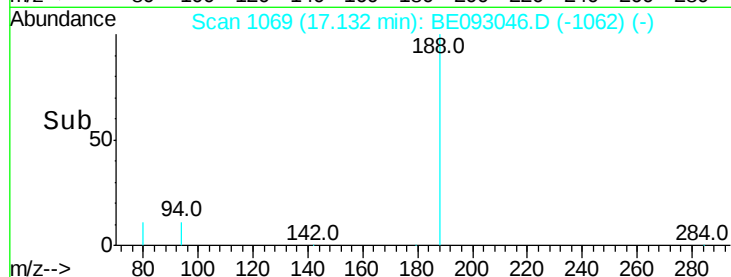
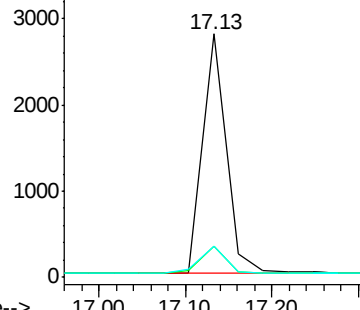
80 12.7 11.7 17.5



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: 0.33 ng

RT: 16.33 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

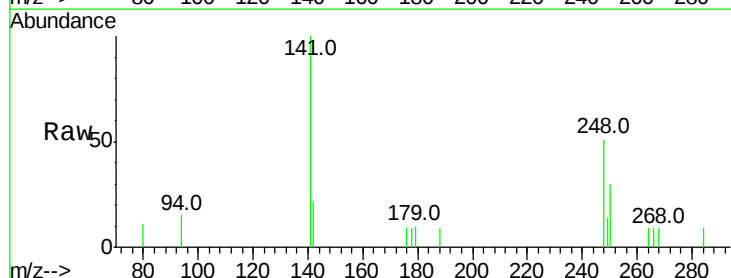
Tgt Ion:248 Resp: 549

Ion Ratio Lower Upper

248 100

250 58.9 100.0 150.0#

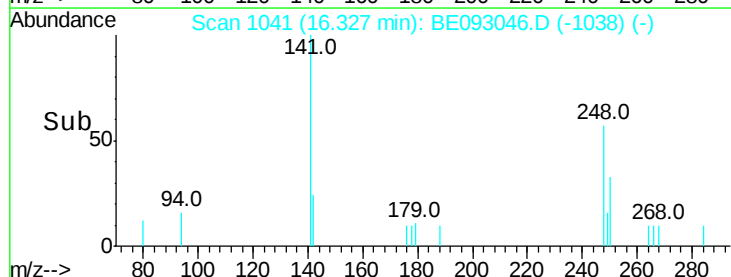
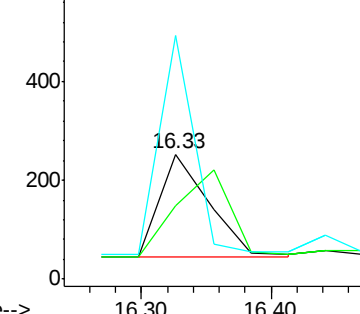
141 194.9 40.0 60.0#



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

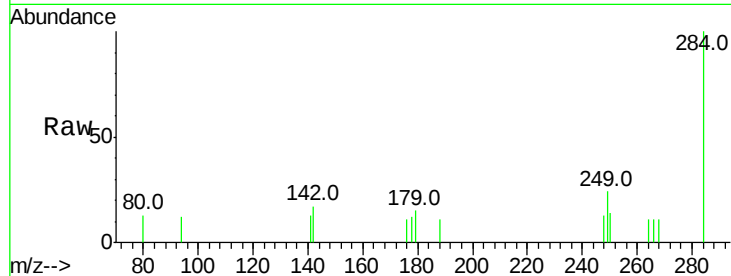




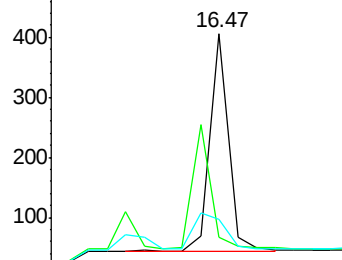
#21
Hexachlorobenzene
Concen: 0.28 ng
RT: 16.47 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Instrument :
BNA_E
ClientSampled :

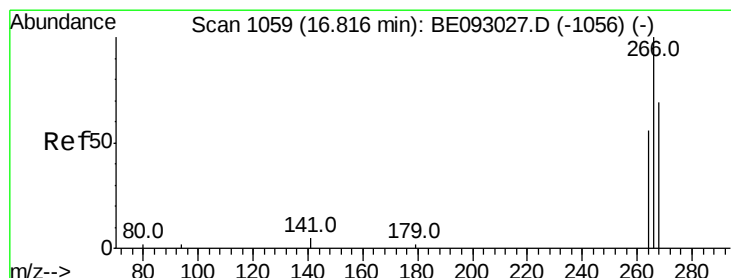
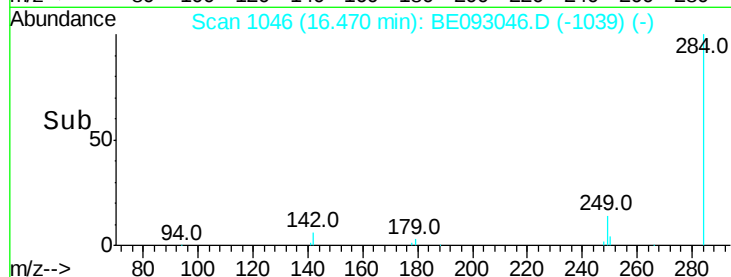
Tot Ion:284 Resp: 722
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0



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

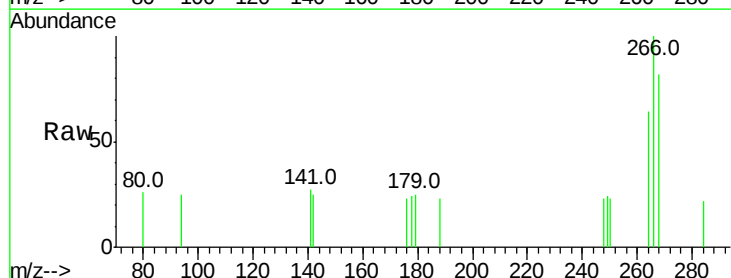


Time-->

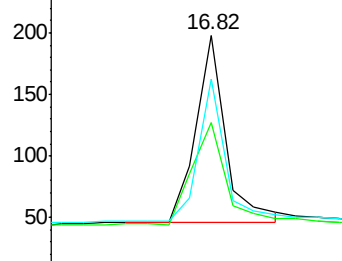


#22
Pentachlorophenol
Concen: 0.69 ng
RT: 16.82 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

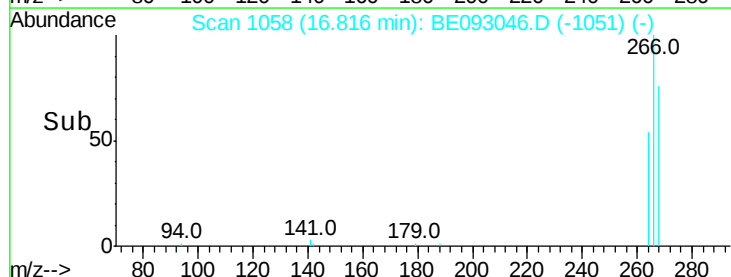
Tgt Ion:266 Resp: 423
Ion Ratio Lower Upper
266 100
264 64.1 58.2 87.2
268 82.3 71.9 107.9

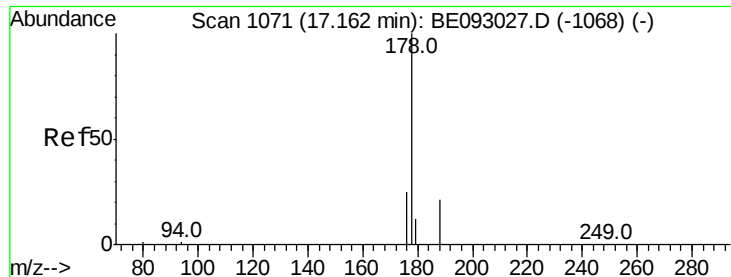


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#23

Phenanthrene

Concen: 0.30 ng

RT: 17.16 min Scan# 1070

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

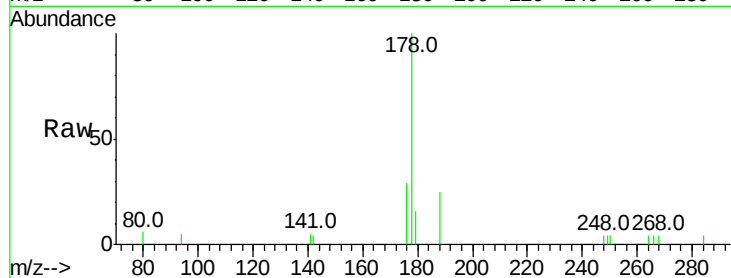
Tot Ion:178 Resp: 3592

Ion Ratio Lower Upper

178 100

176 20.4 15.0 22.4

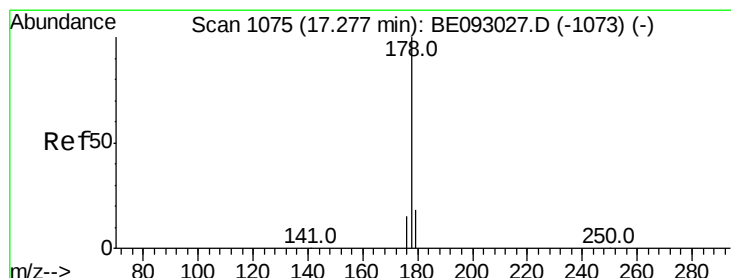
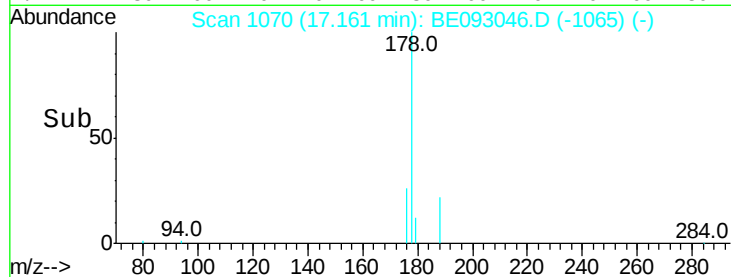
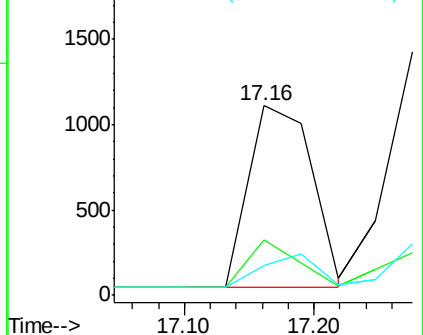
179 0.0 12.7 19.1#



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: 0.27 ng

RT: 17.28 min Scan# 1074

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

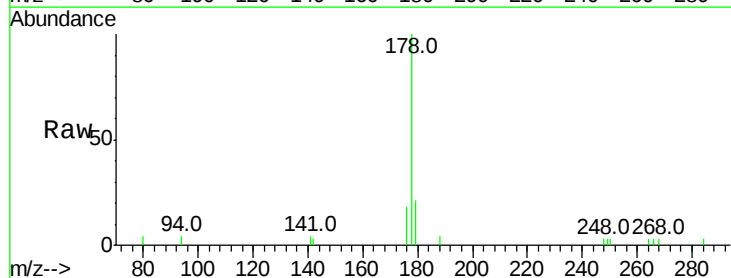
Tgt Ion:178 Resp: 3195

Ion Ratio Lower Upper

178 100

176 17.8 14.6 22.0

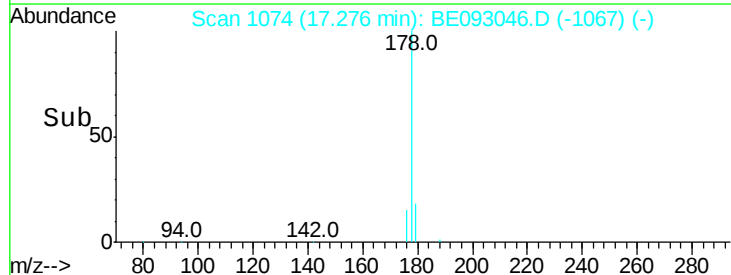
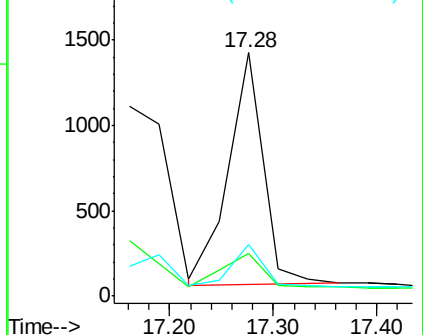
179 16.6 12.0 18.0

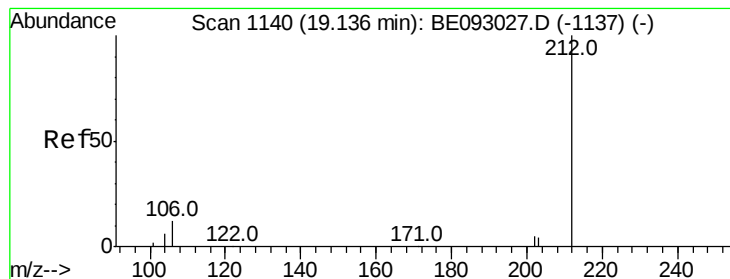


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.32 ng

RT: 19.14 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BE093046.D

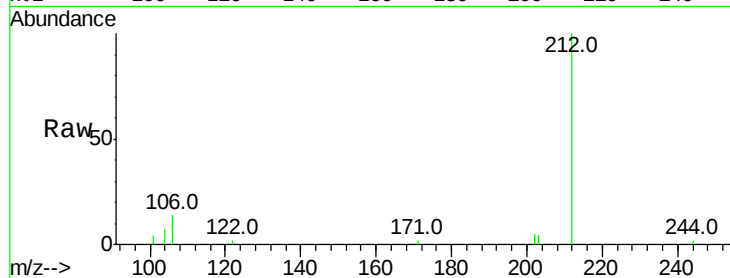
Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

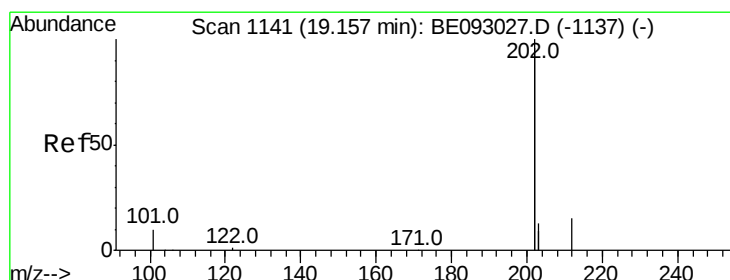
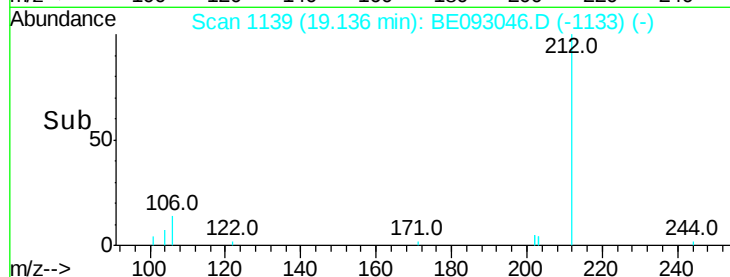
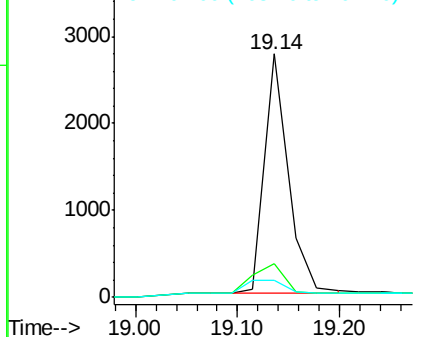
Tot Ion:	212	Resp:	4423
Ion	Ratio	Lower	Upper
212	100		
106	16.4	0.0	0.0#
104	8.5	0.0	0.0#



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: 0.32 ng

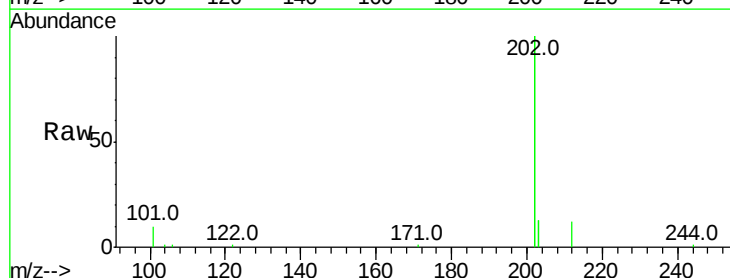
RT: 19.16 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

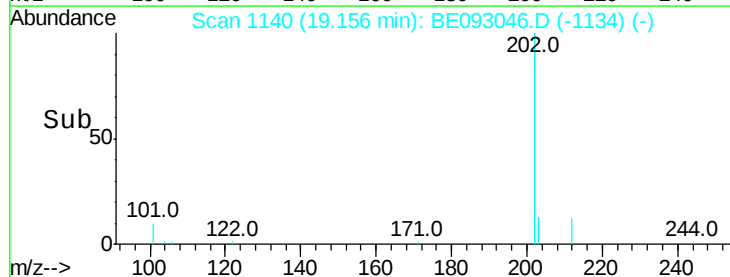
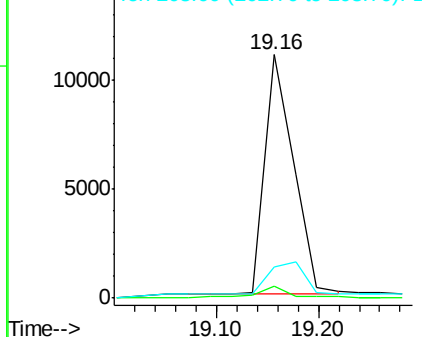
Tgt Ion:	202	Resp:	21232
Ion	Ratio	Lower	Upper
202	100		
101	3.6	0.0	0.0#
203	0.0	14.4	21.6#

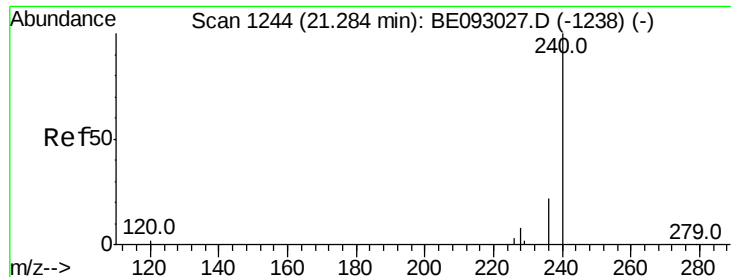


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

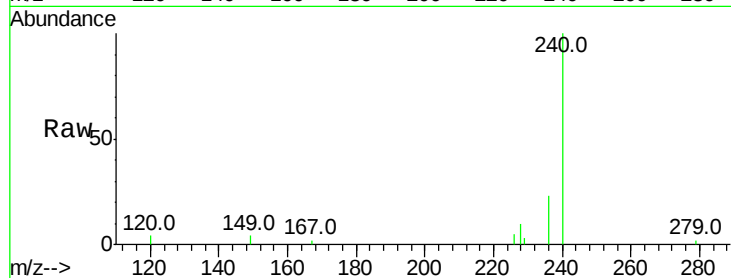
Tot Ion:240 Resp: 5322

Ion Ratio Lower Upper

240 100

120 4.0 4.6 7.0#

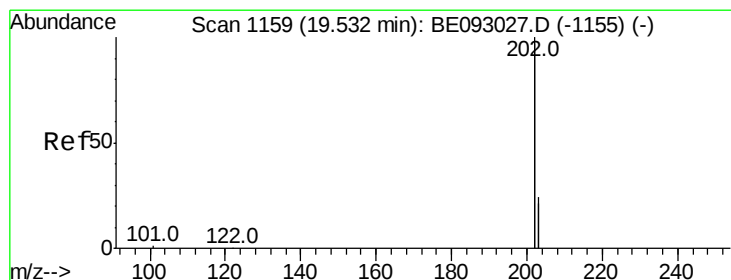
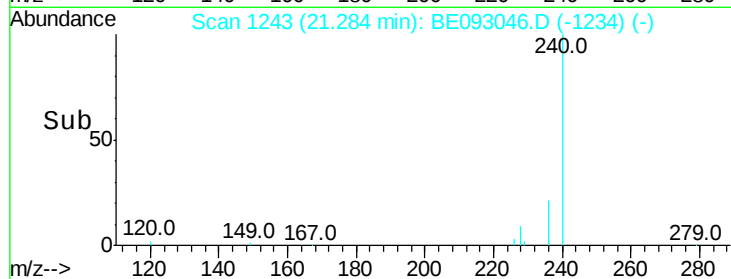
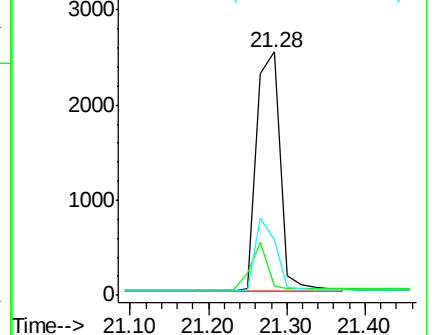
236 22.9 20.8 31.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.36 ng

RT: 19.53 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

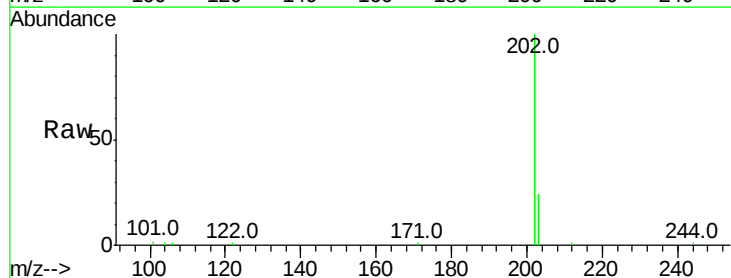
Tgt Ion:202 Resp: 23065

Ion Ratio Lower Upper

202 100

200 0.0 0.0 0.0

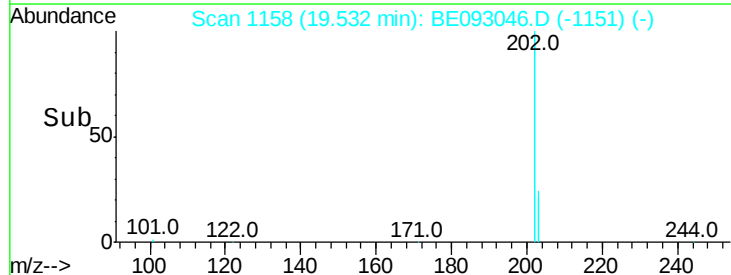
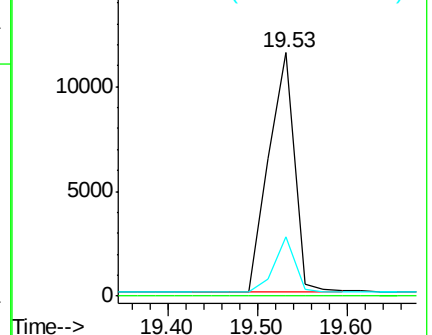
203 18.4 13.7 20.5

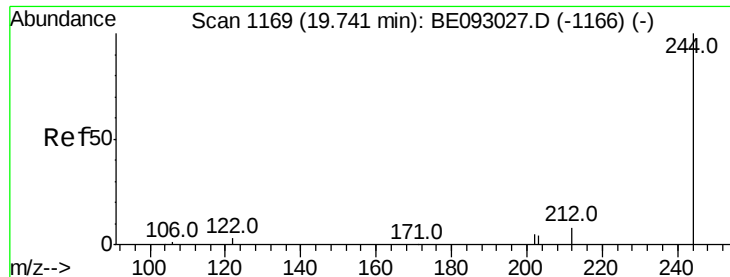


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.35 ng

RT: 19.74 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

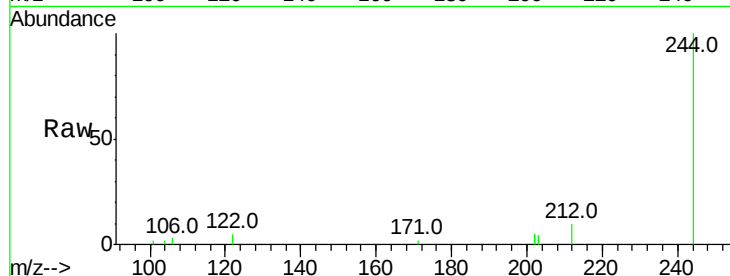
Tot Ion:244 Resp: 3498

Ion Ratio Lower Upper

244 100

212 9.5 10.6 16.0#

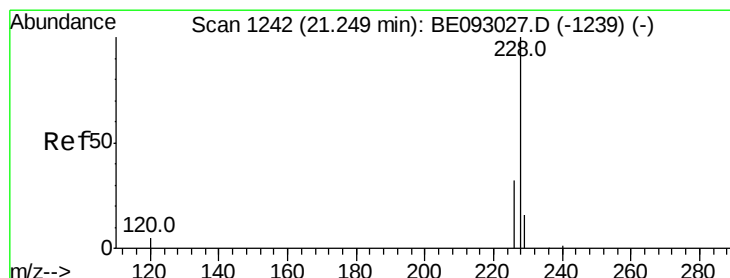
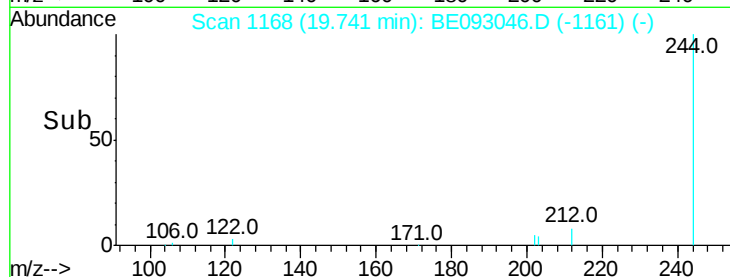
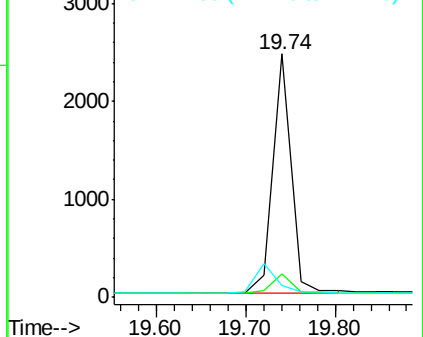
122 5.0 15.4 23.0#



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: 0.38 ng

RT: 21.25 min Scan# 1241

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

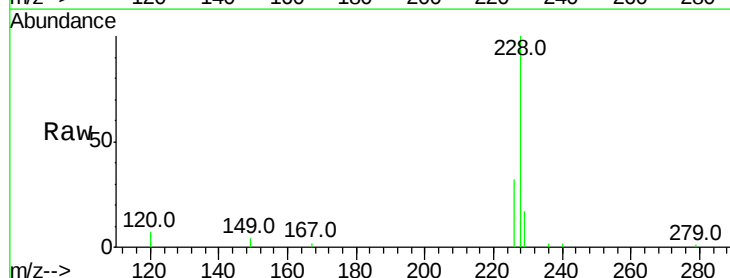
Tgt Ion:228 Resp: 5429

Ion Ratio Lower Upper

228 100

226 32.2 19.7 29.5#

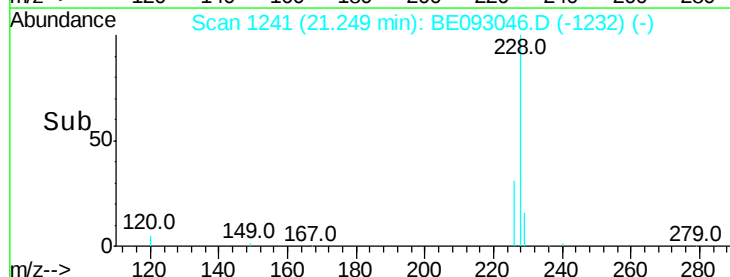
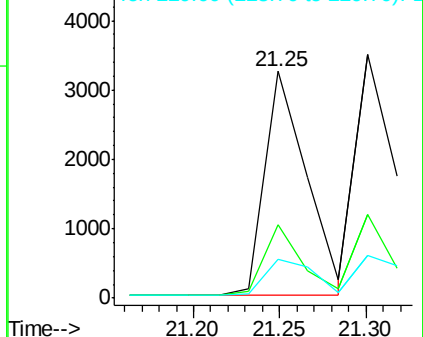
229 17.3 19.2 28.8#

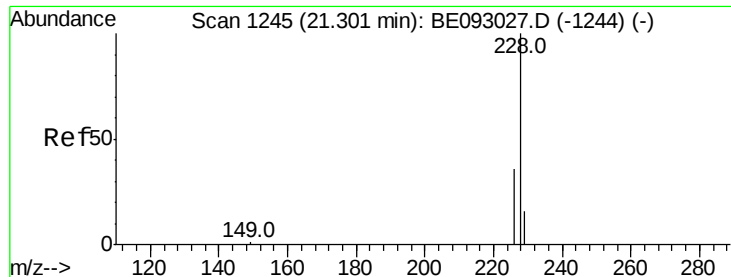


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.37 ng

RT: 21.30 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

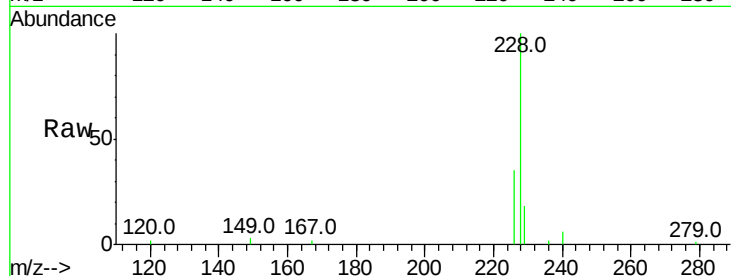
Tot Ion:228 Resp: 5651

Ion Ratio Lower Upper

228 100

226 34.6 21.5 32.3#

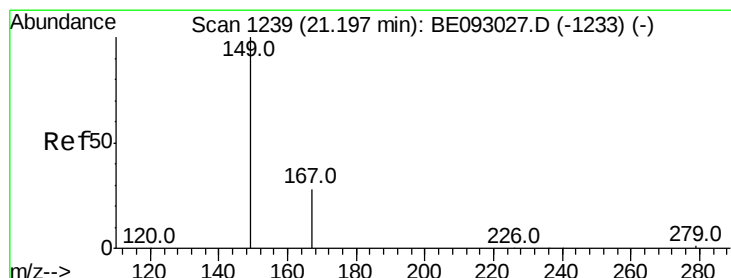
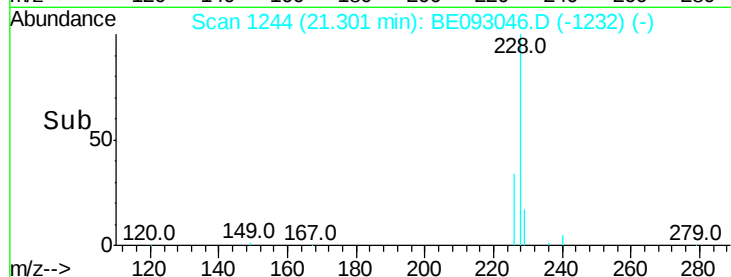
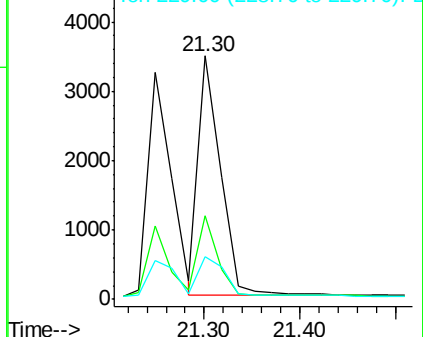
229 17.7 18.6 28.0#



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: 0.36 ng

RT: 21.20 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

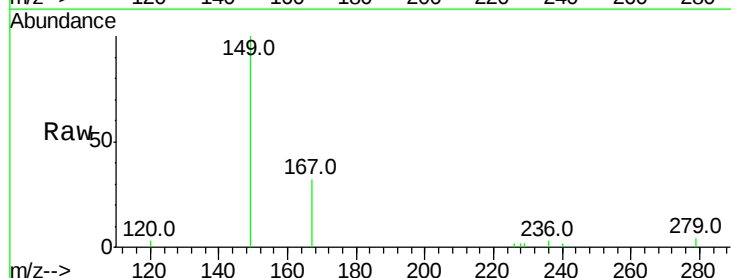
Tgt Ion:149 Resp: 2525

Ion Ratio Lower Upper

149 100

167 29.4 20.1 30.1

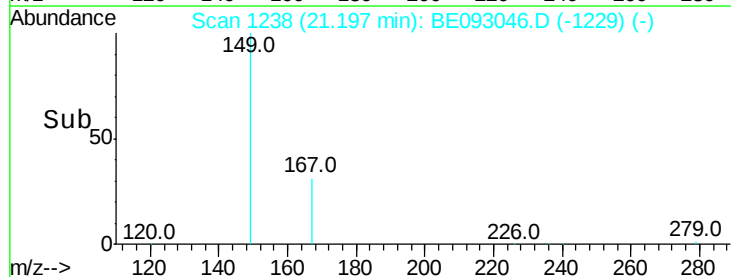
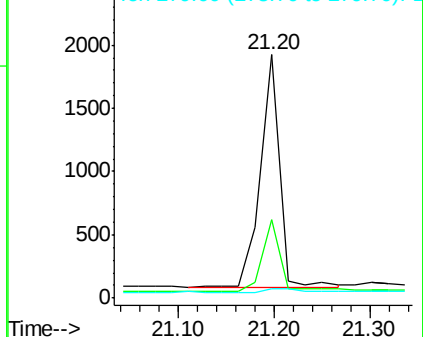
279 2.3 2.2 3.4

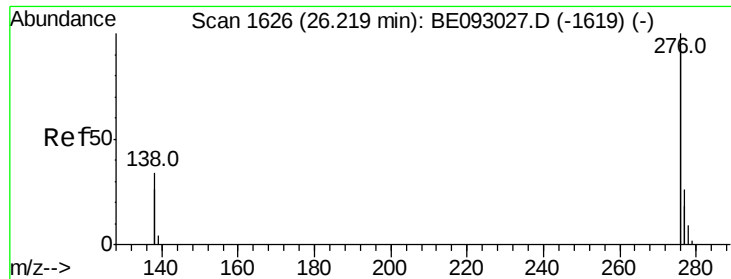


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.37 ng

RT: 26.22 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

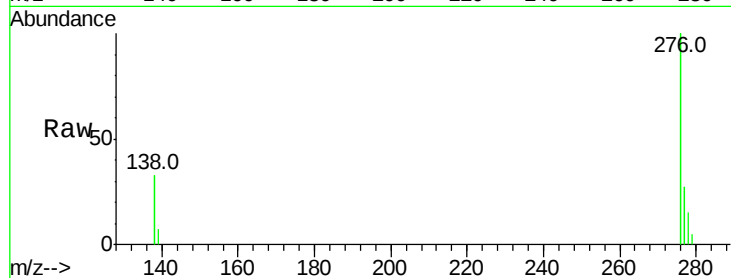
Tot Ion:276 Resp: 20796

Ion Ratio Lower Upper

276 100

138 32.7 27.4 41.2

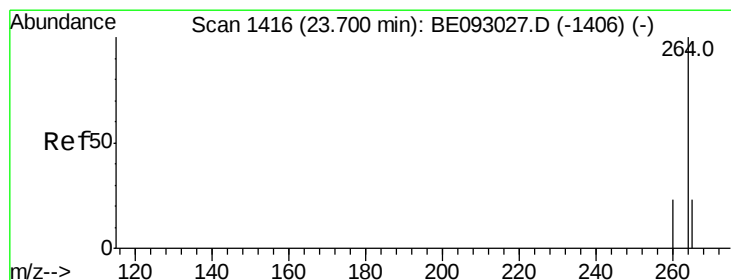
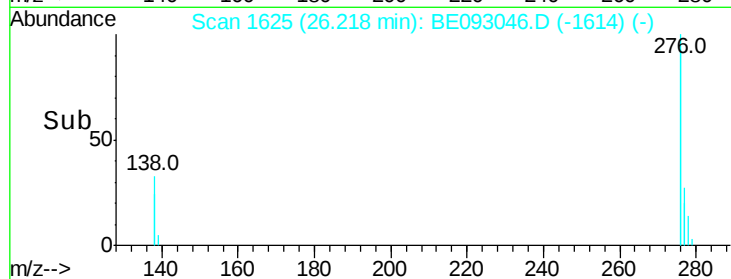
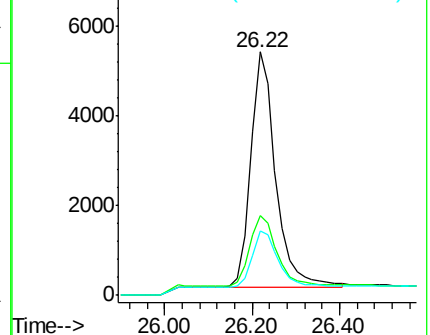
277 24.9 20.1 30.1



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: 23.69 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

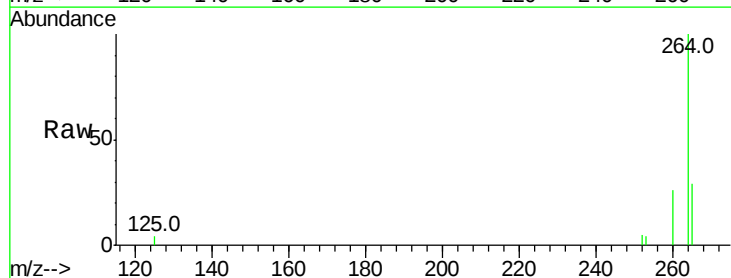
Tgt Ion:264 Resp: 4574

Ion Ratio Lower Upper

264 100

260 26.3 21.0 31.4

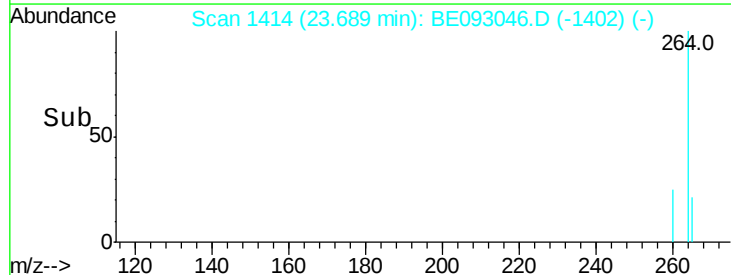
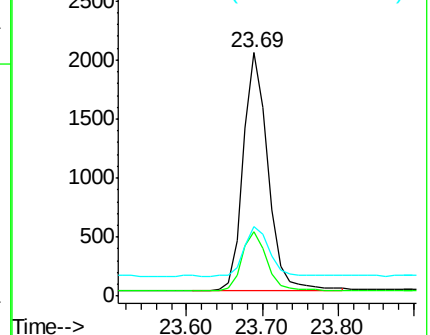
265 28.5 24.6 36.8

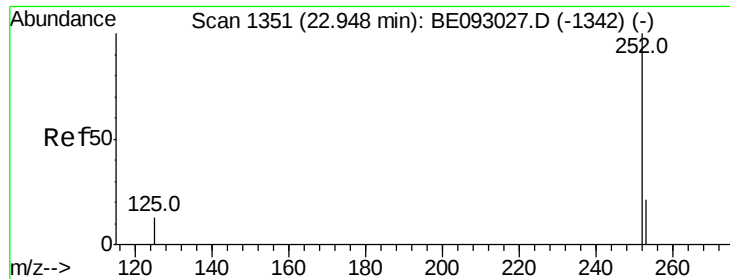


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.35 ng

RT: 22.95 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :

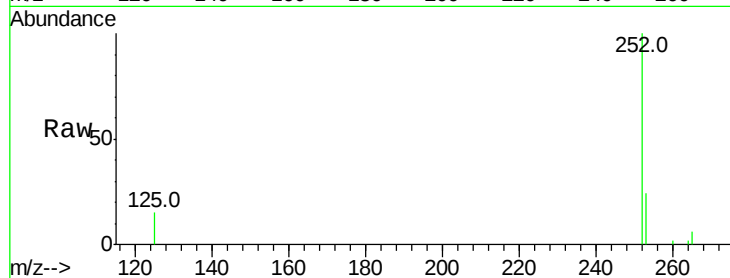
Tot Ion:252 Resp: 5088

Ion Ratio Lower Upper

252 100

253 24.4 18.5 27.7

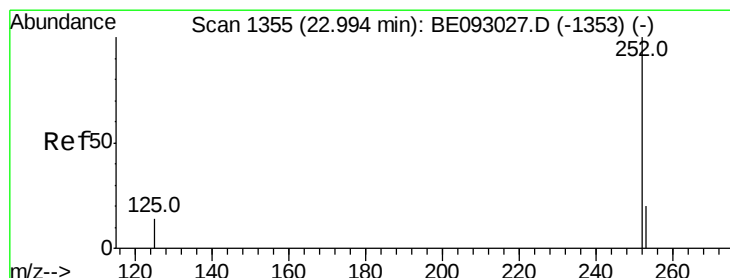
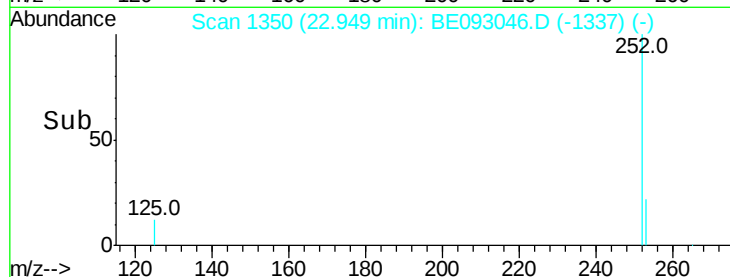
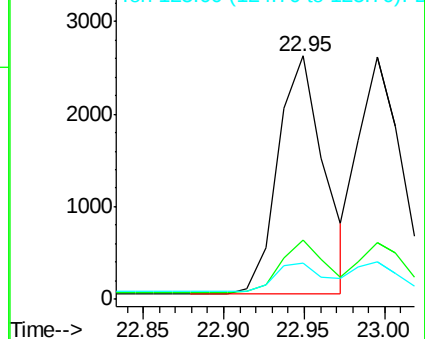
125 14.8 13.4 20.0



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: 0.33 ng

RT: 23.00 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BE093046.D

Acq: 16 May 2017 9:22

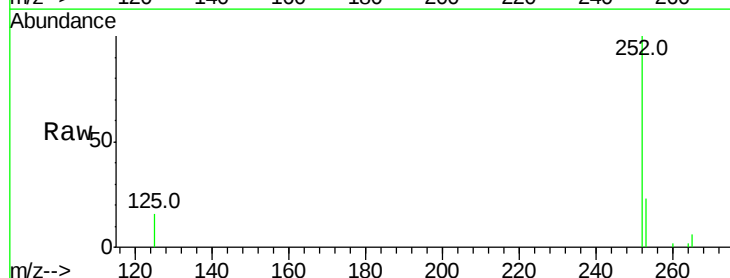
Tgt Ion:252 Resp: 4734

Ion Ratio Lower Upper

252 100

253 23.3 20.3 30.5

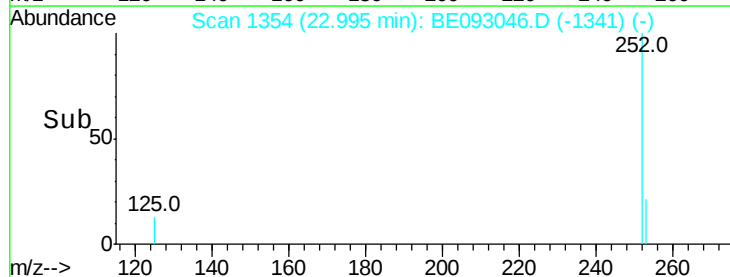
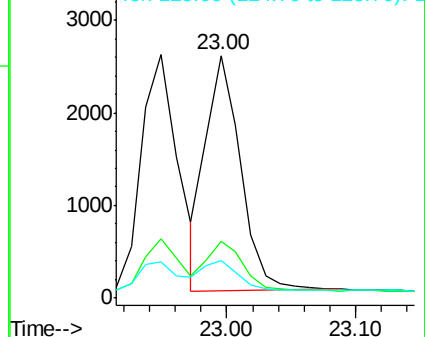
125 15.7 12.2 18.4

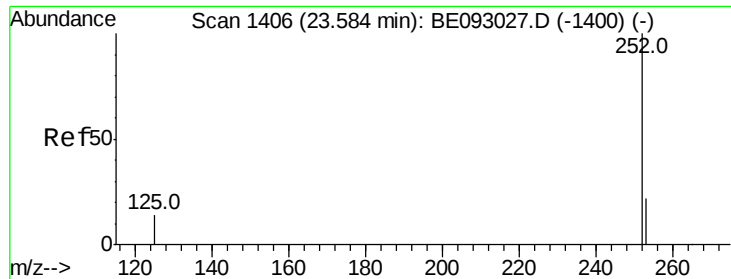


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

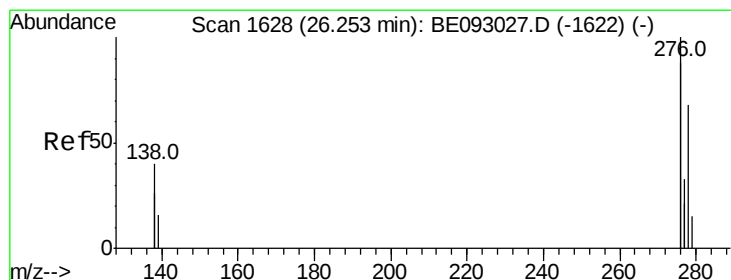
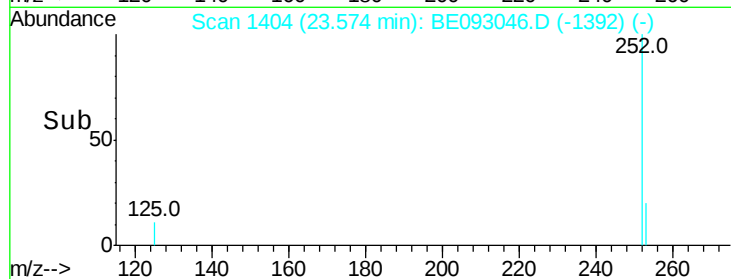
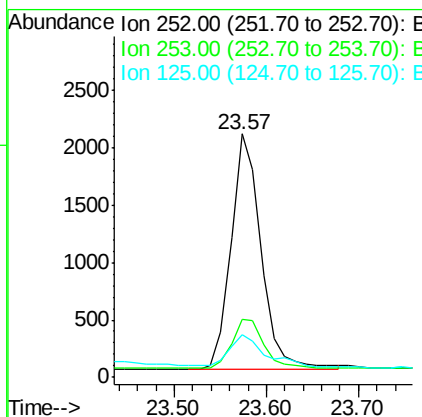
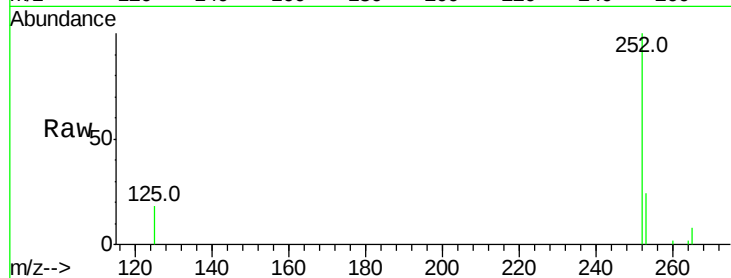




#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.57 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

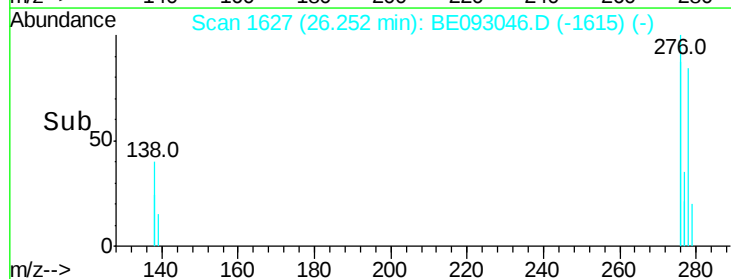
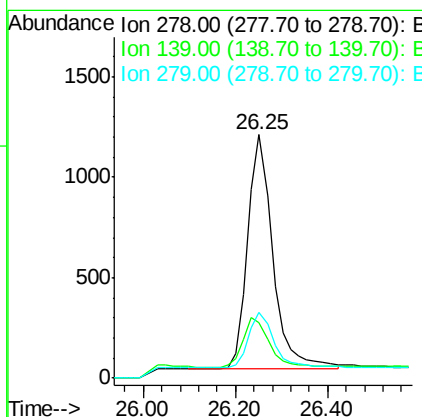
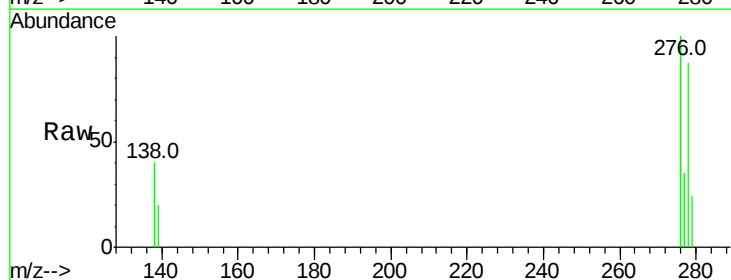
Instrument :
BNA_E
ClientSampleId :

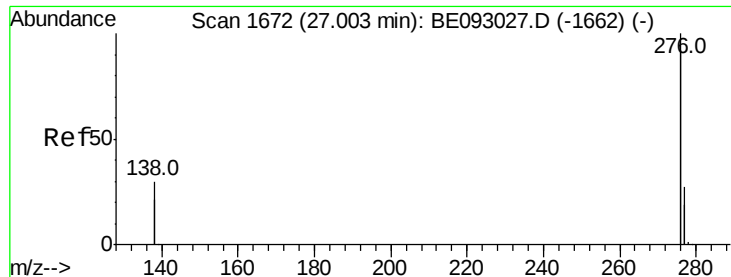
Tot Ion:252 Resp: 4673
Ion Ratio Lower Upper
252 100
253 23.7 19.9 29.9
125 17.7 14.6 21.8



#38
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.25 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE093046.D
Acq: 16 May 2017 9:22

Tgt Ion:278 Resp: 4400
Ion Ratio Lower Upper
278 100
139 22.9 21.4 32.0
279 27.0 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.35 ng

RT: 27.00 min Scan# 1671

Delta R.T. -0.00 min

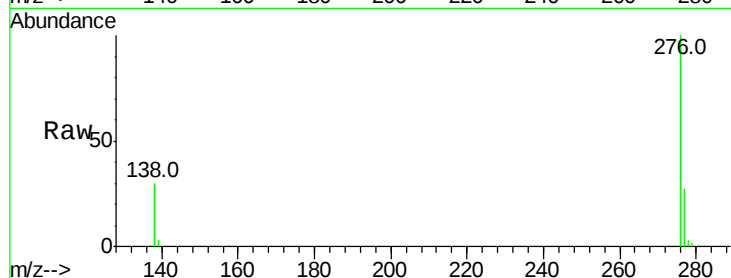
Lab File: BE093046.D

Acq: 16 May 2017 9:22

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 18621

Ion Ratio Lower Upper

276 100

277 26.9 21.2 31.8

138 30.0 24.5 36.7

