

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051517\
 Data File : BE093044.D
 Acq On : 15 May 2017 21:08
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 16 01:14:22 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	907	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	3941	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1953	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	5738	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5391	0.40	ng	0.00
34) Perylene-d12	23.69	264	4650	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	994	0.36	ng	0.00
5) Phenol-d6	6.92	99	1374	0.37	ng	0.00
8) Nitrobenzene-d5	8.88	82	1263	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	2033	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.87	330	223	0.39	ng	-0.01
15) 2-Fluorobiphenyl	13.01	172	2897	0.36	ng	0.00
25) Fluoranthene-d10	19.14	212	5003	0.33	ng	0.00
29) Terphenyl-d14	19.74	244	3657	0.36	ng	0.00

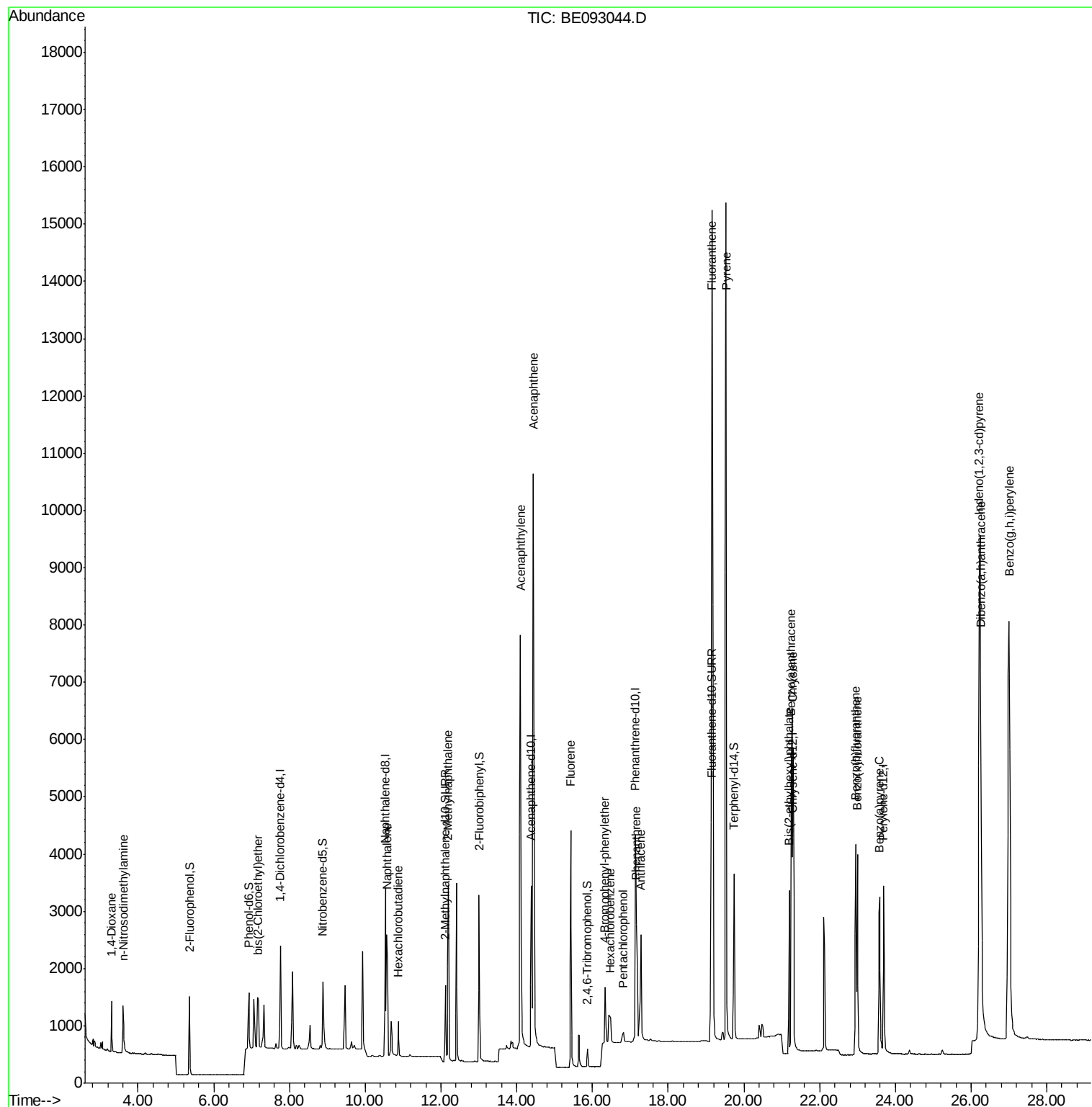
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	607	0.34	ng	97
3) n-Nitrosodimethylamine	3.61	42	590	0.36	ng	# 97
6) bis(2-Chloroethyl)ether	7.18	93	1092	0.36	ng	# 99
9) Naphthalene	10.56	128	3701	0.36	ng	# 94
10) Hexachlorobutadiene	10.87	225	493	0.36	ng	98
12) 2-Methylnaphthalene	12.19	142	2309	0.36	ng	94
16) Acenaphthylene	14.10	152	12135	0.35	ng	100
17) Acenaphthene	14.44	154	2176	0.35	ng	98
18) Fluorene	15.43	166	2687	0.36	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	622	0.35	ng	# 10
21) Hexachlorobenzene	16.47	284	713	0.25	ng	# 100
22) Pentachlorophenol	16.82	266	259	0.38	ng	95
23) Phenanthrene	17.16	178	3963	0.31	ng	# 80
24) Anthracene	17.28	178	3430	0.26	ng	99
26) Fluoranthene	19.16	202	23031	0.33	ng	# 59
28) Pyrene	19.53	202	24212	0.37	ng	# 97
30) Benzo(a)anthracene	21.25	228	5437	0.37	ng	# 87
31) Chrysene	21.30	228	5661	0.36	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.20	149	2949	0.41	ng	# 95
33) Indeno(1,2,3-cd)pyrene	26.22	276	20692	0.36	ng	99
35) Benzo(b)fluoranthene	22.95	252	5081	0.35	ng	98
36) Benzo(k)fluoranthene	22.99	252	5109	0.35	ng	96
37) Benzo(a)pyrene	23.58	252	4642	0.35	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	4467	0.36	ng	96
39) Benzo(g,h,i)perylene	27.00	276	18719	0.34	ng	99

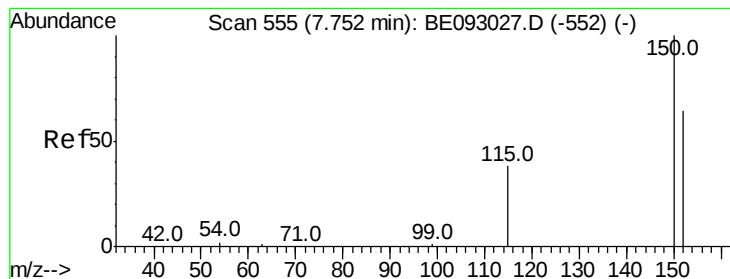
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon May 15 13:35:57 2017
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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: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

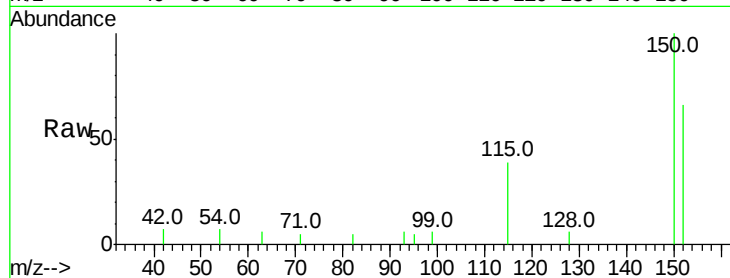
Tot Ion:152 Resp: 907

Ion Ratio Lower Upper

152 100

150 150.6 125.1 187.7

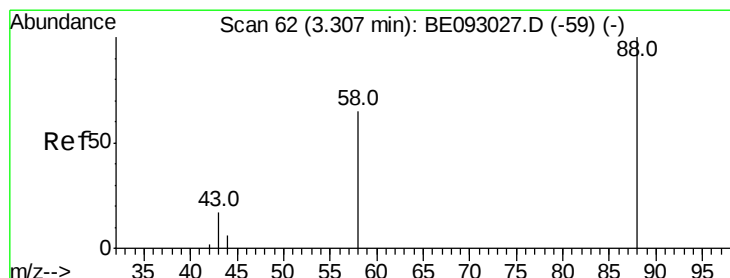
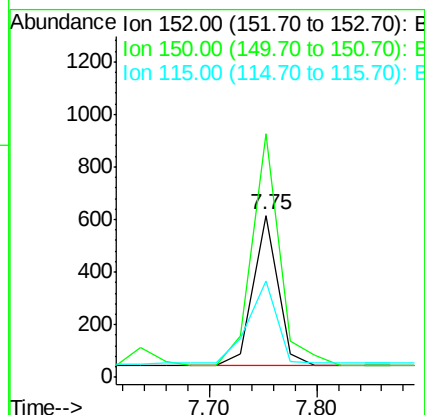
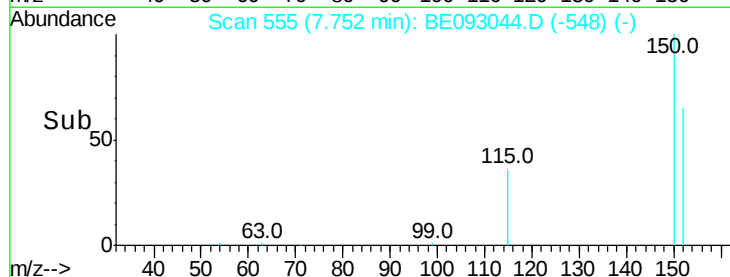
115 59.3 55.7 83.5



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: 0.34 ng

RT: 3.31 min Scan# 62

Delta R.T. -0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

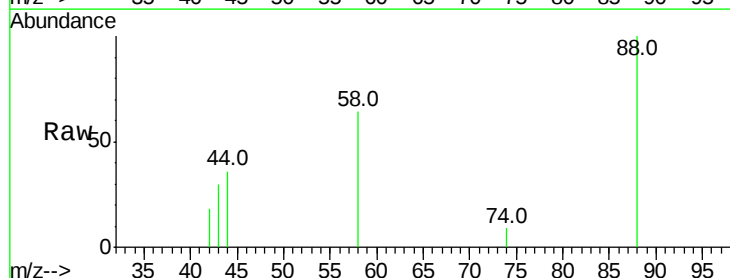
Tgt Ion: 88 Resp: 607

Ion Ratio Lower Upper

88 100

58 78.9 62.2 93.4

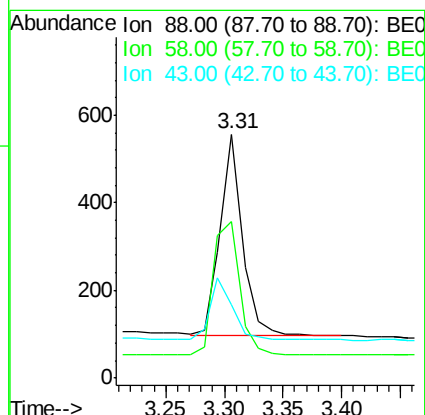
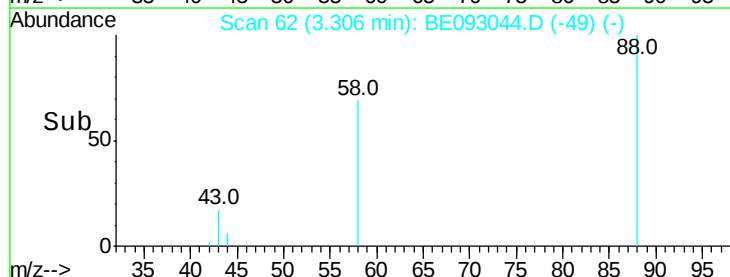
43 32.9 23.2 34.8

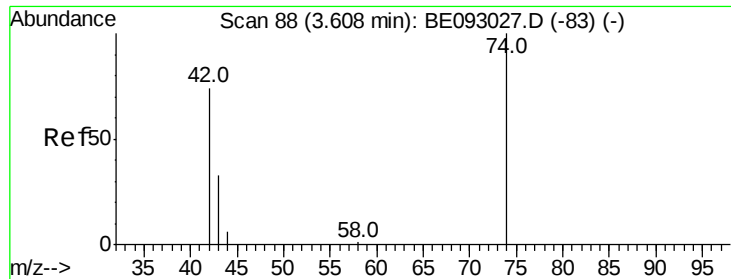


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE093044.D

Acq: 15 May 2017 21:08

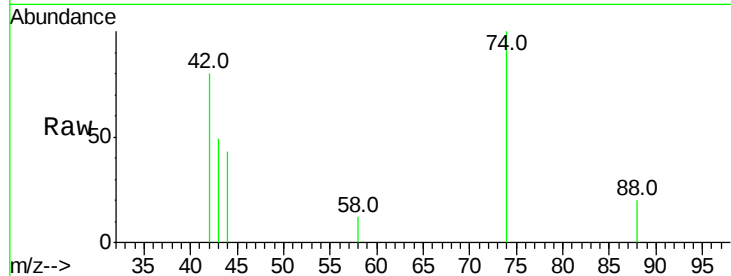
Instrument :

BNA_E

ClientSampled :

Tot Ion: 42 Resp: 590

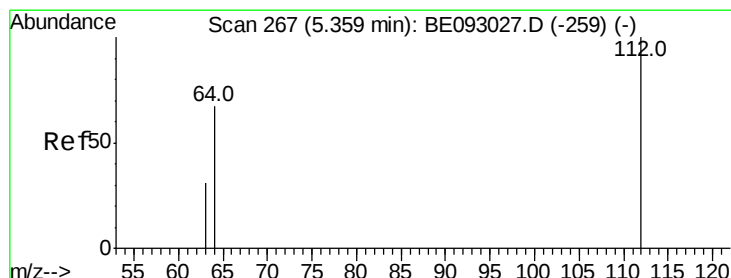
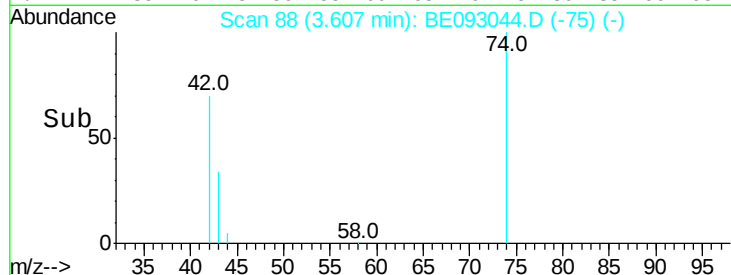
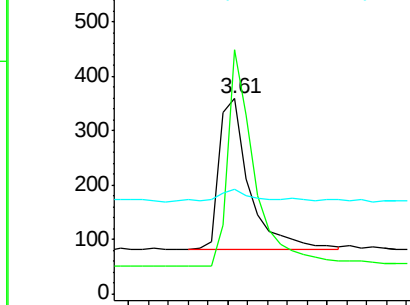
Ion	Ratio	Lower	Upper
42	100		
74	127.3	99.1	148.7
44	11.7	7.4	11.2#



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



#4

2-Fluorophenol

Concen: 0.36 ng

RT: 5.35 min Scan# 266

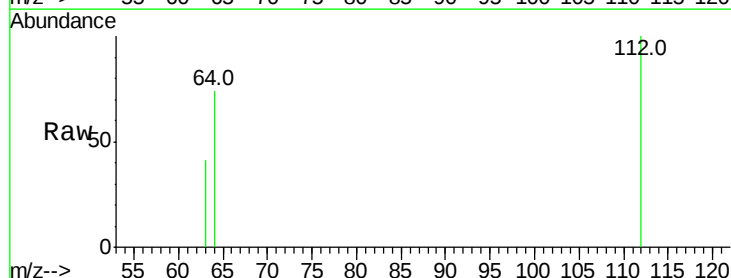
Delta R.T. -0.01 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Tgt Ion: 112 Resp: 994

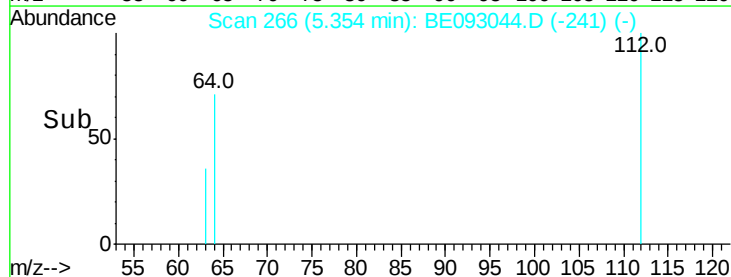
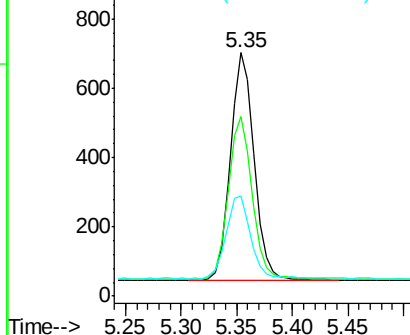
Ion	Ratio	Lower	Upper
112	100		
64	71.0	56.4	84.6
63	37.1	29.3	43.9

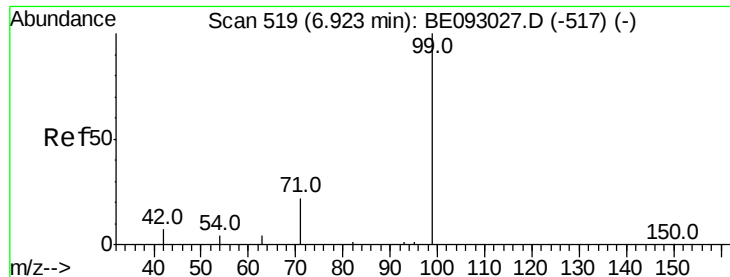


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.37 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

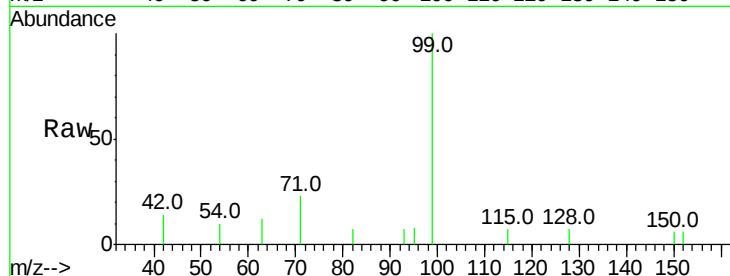
Tot Ion: 99 Resp: 1374

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

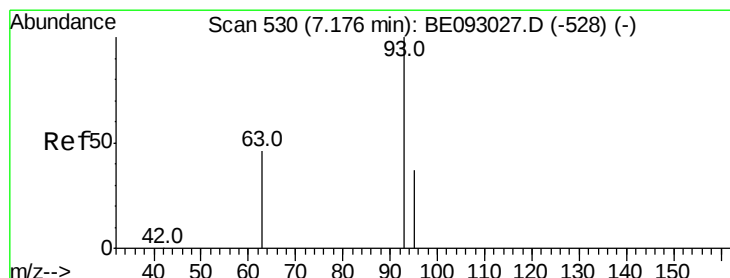
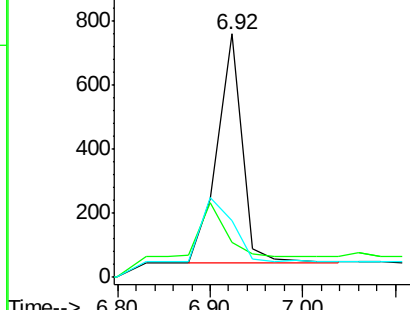
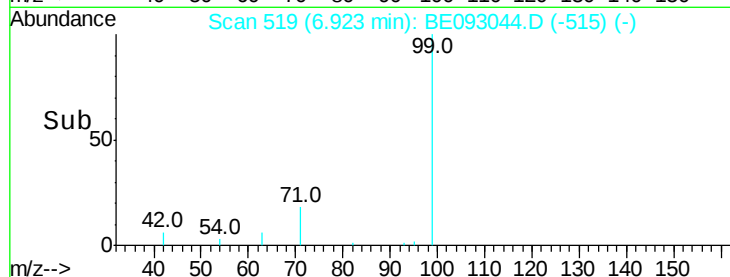
71 0.0 0.0 0.0



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: BE093044.D

Acq: 15 May 2017 21:08

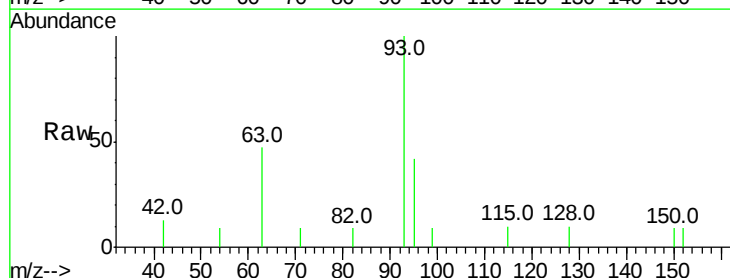
Tgt Ion: 93 Resp: 1092

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

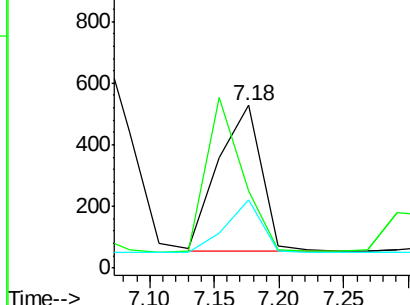
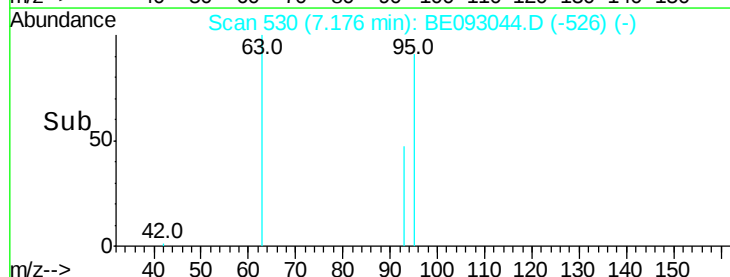
95 31.1 25.4 38.0

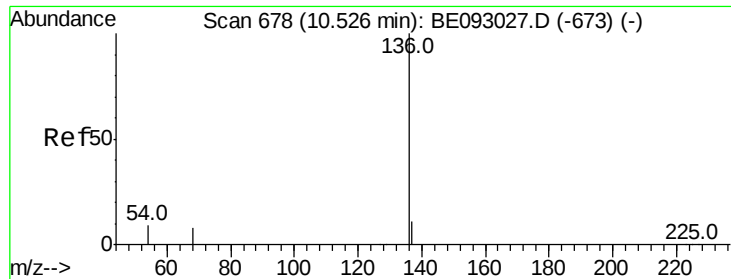


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3941

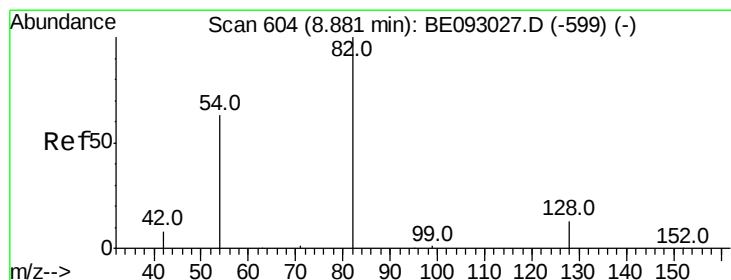
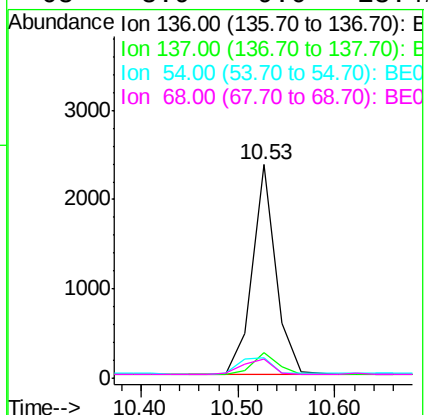
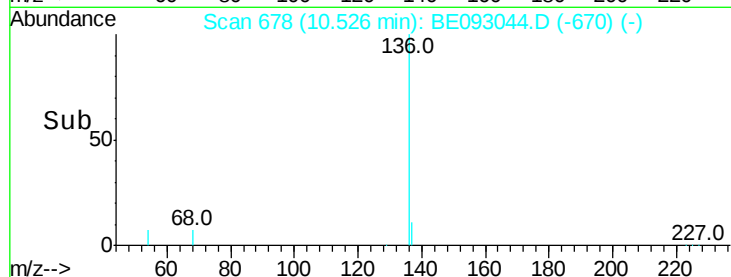
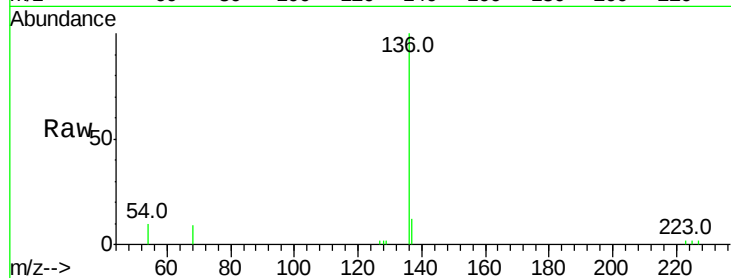
Ion Ratio Lower Upper

136 100

137 12.2 9.8 14.8

54 9.6 10.3 15.5#

68 8.9 9.0 13.4#



#8

Nitrobenzene-d5

Concen: 0.37 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

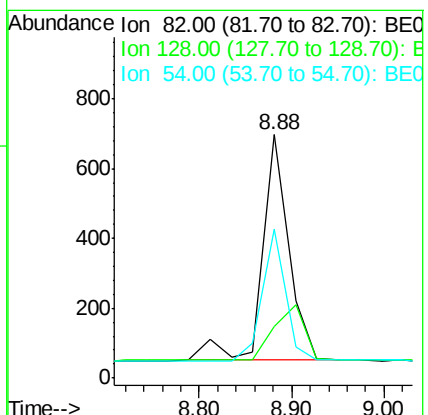
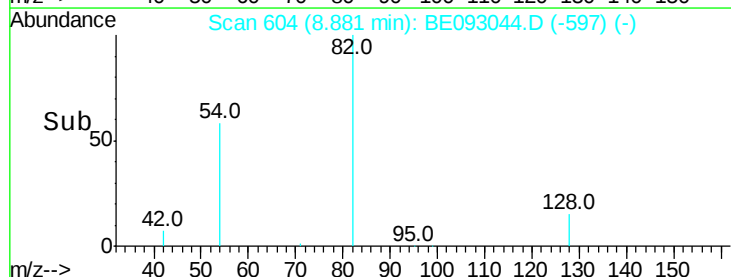
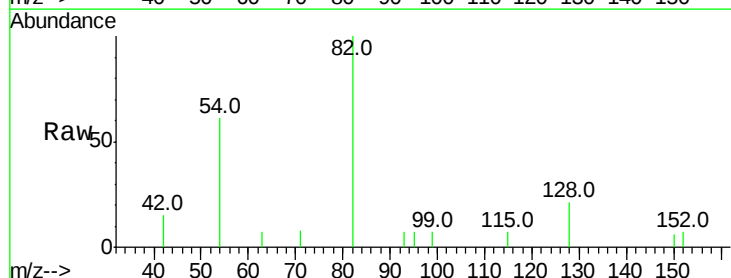
Tgt Ion: 82 Resp: 1263

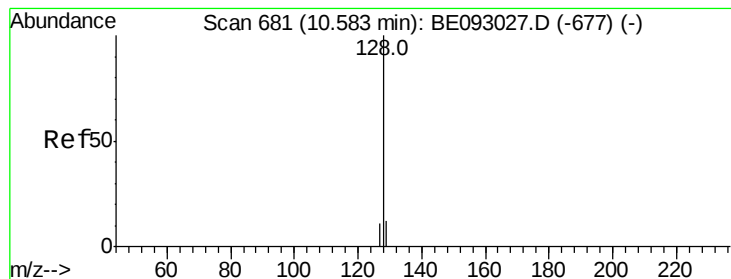
Ion Ratio Lower Upper

82 100

128 21.1 17.0 25.4

54 61.4 53.8 80.6





#9

Naphthalene

Concen: 0.36 ng

RT: 10.56 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

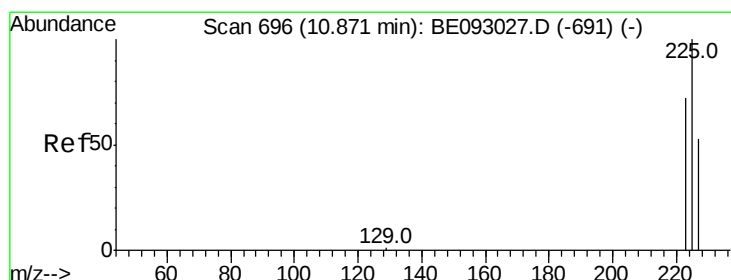
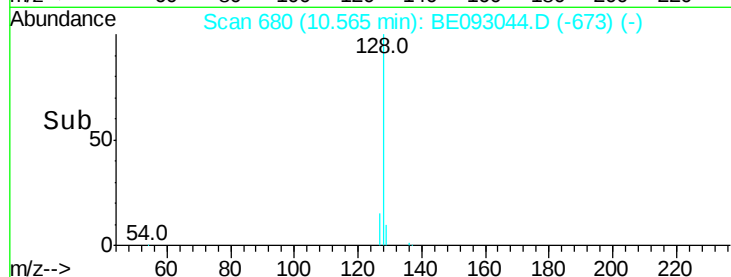
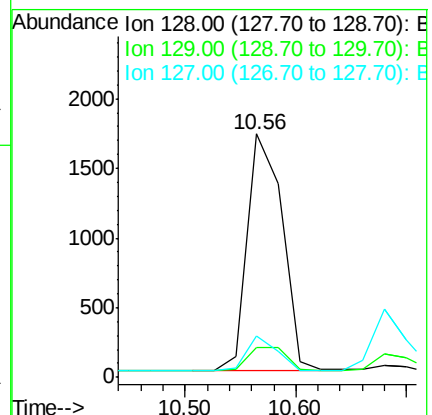
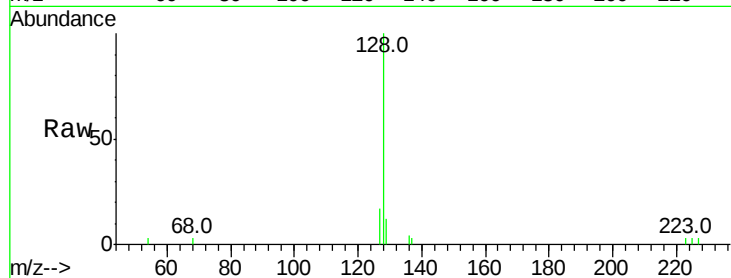
Tot Ion:128 Resp: 3701

Ion Ratio Lower Upper

128 100

129 12.1 11.4 17.0

127 16.8 11.2 16.8#



#10

Hexachlorobutadiene

Concen: 0.36 ng

RT: 10.87 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

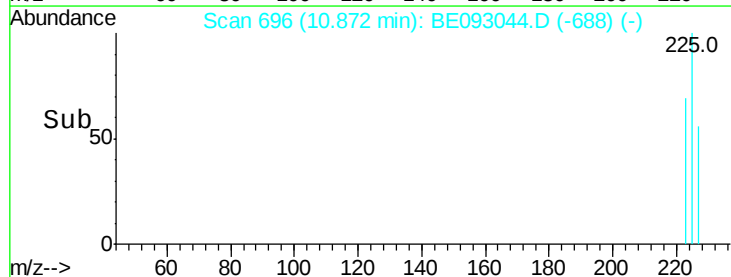
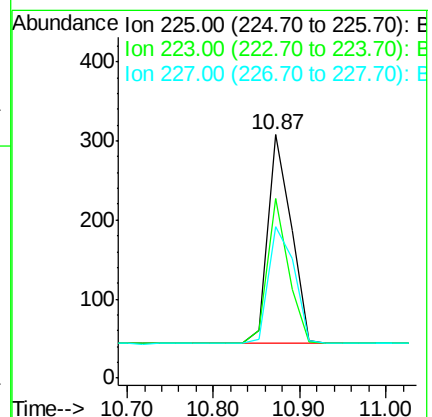
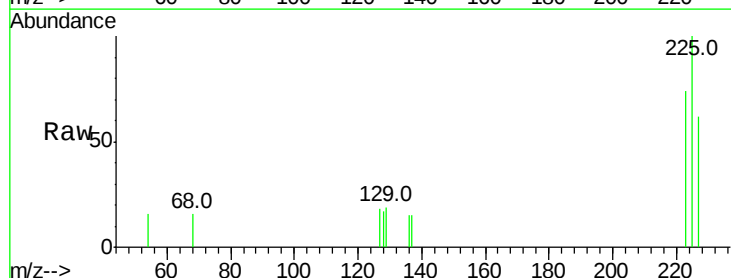
Tgt Ion:225 Resp: 493

Ion Ratio Lower Upper

225 100

223 63.9 49.7 74.5

227 61.5 50.3 75.5





#11

2-Methylnaphthalene-d10

Concen: 0.35 ng

RT: 12.12 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

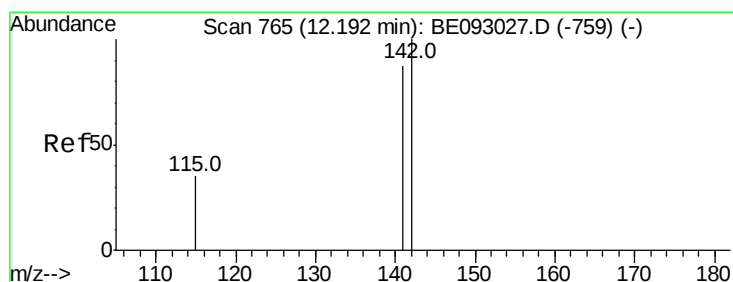
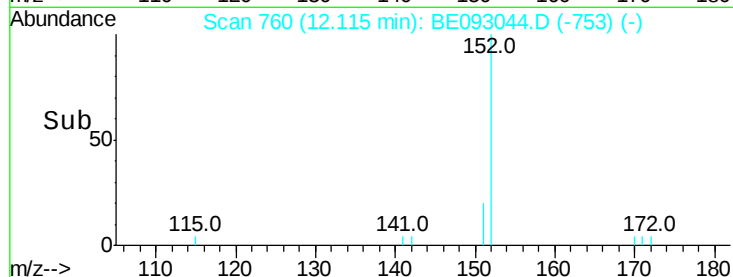
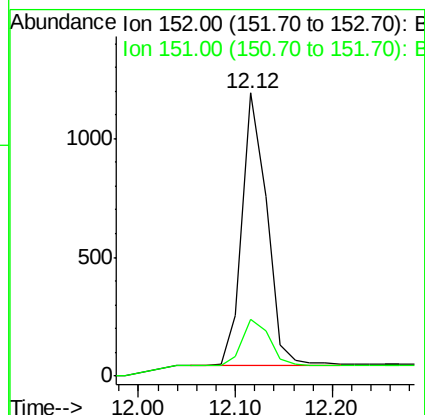
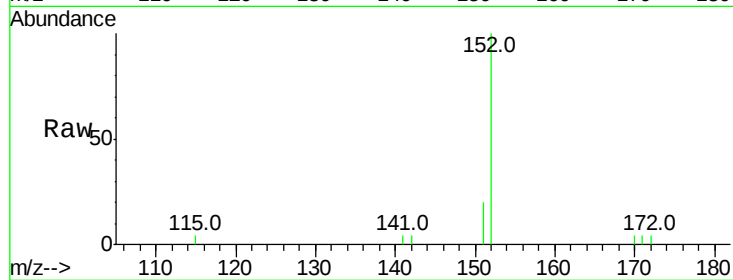
ClientSampleId :

Tot Ion:152 Resp: 2033

Ion Ratio Lower Upper

152 100

151 19.0 15.1 22.7



#12

2-Methylnaphthalene

Concen: 0.36 ng

RT: 12.19 min Scan# 765

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

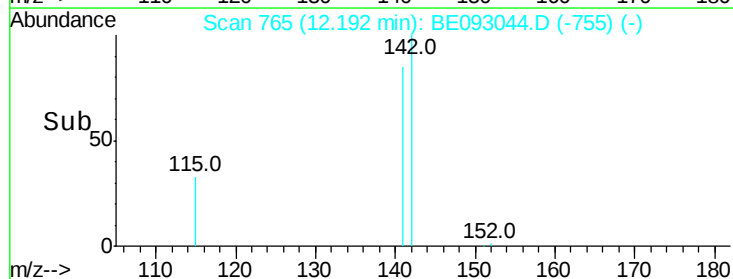
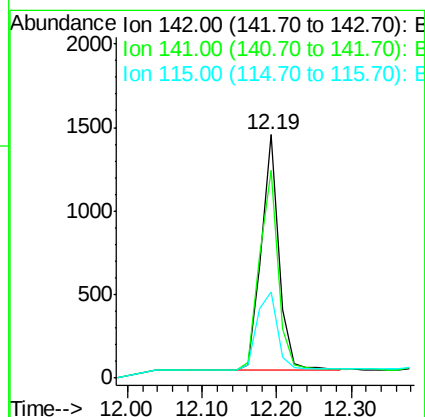
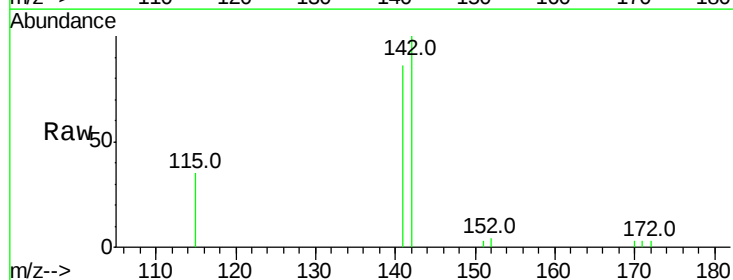
Tgt Ion:142 Resp: 2309

Ion Ratio Lower Upper

142 100

141 85.6 72.6 108.8

115 35.3 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: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

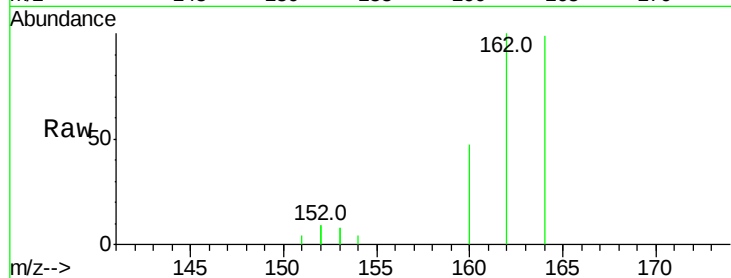
Tot Ion:164 Resp: 1953

Ion Ratio Lower Upper

164 100

162 101.1 84.6 127.0

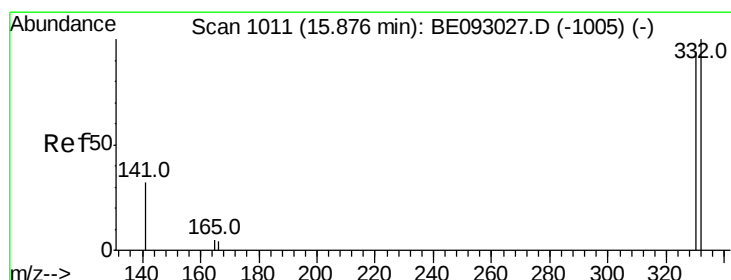
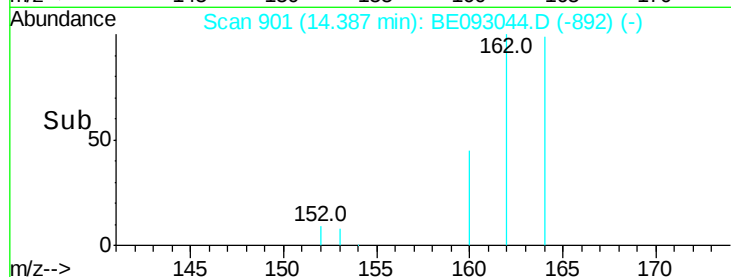
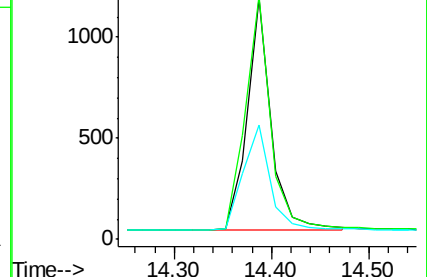
160 47.3 41.8 62.6



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: 0.39 ng

RT: 15.87 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

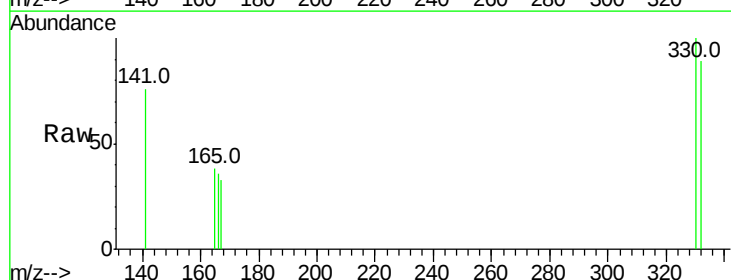
Tgt Ion:330 Resp: 223

Ion Ratio Lower Upper

330 100

332 95.5 77.7 116.5

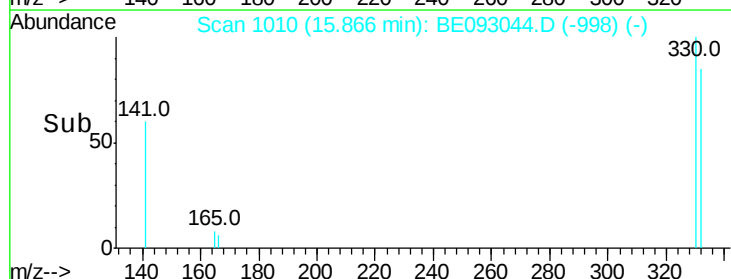
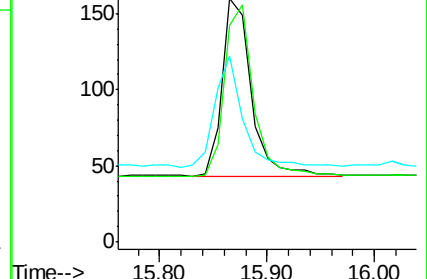
141 61.4 56.2 84.4

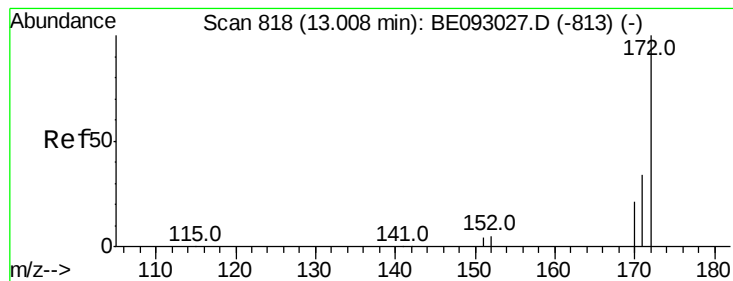


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.36 ng

RT: 13.01 min Scan# 818

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

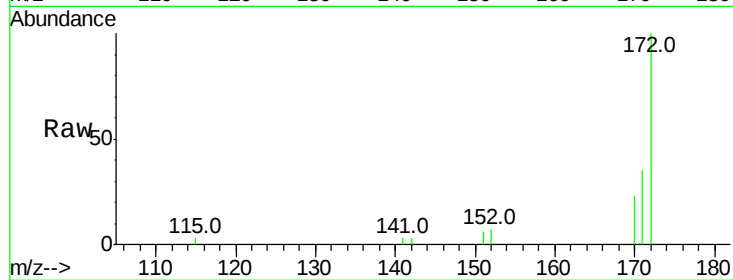
Tot Ion:172 Resp: 2897

Ion Ratio Lower Upper

172 100

171 35.2 29.8 44.6

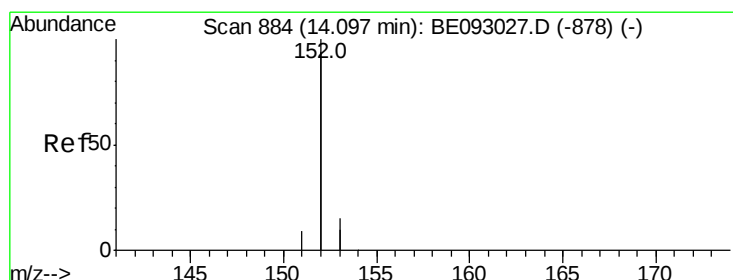
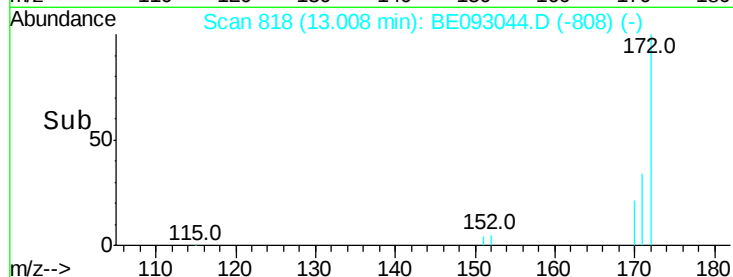
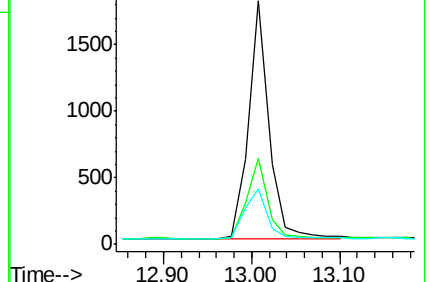
170 22.7 20.7 31.1



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: BE093044.D

Acq: 15 May 2017 21:08

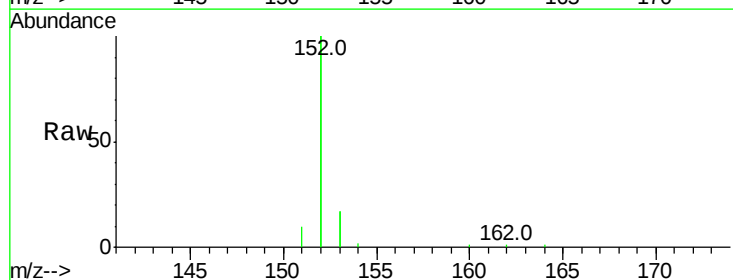
Tgt Ion:152 Resp: 12135

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

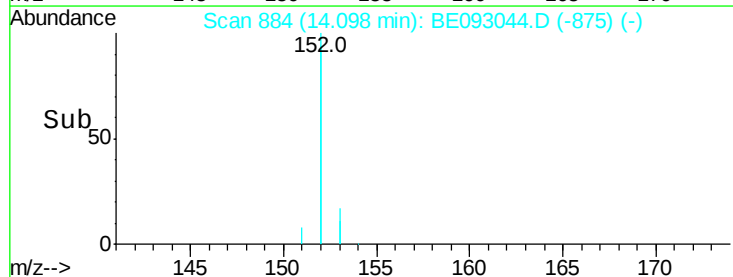
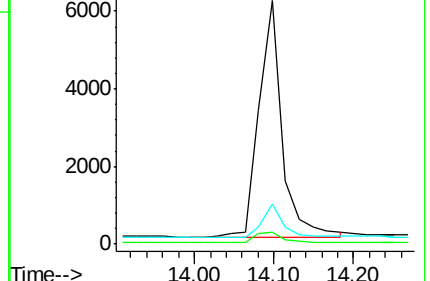
153 12.9 10.3 15.5



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

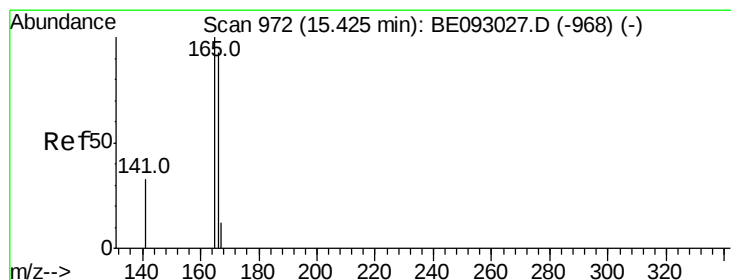
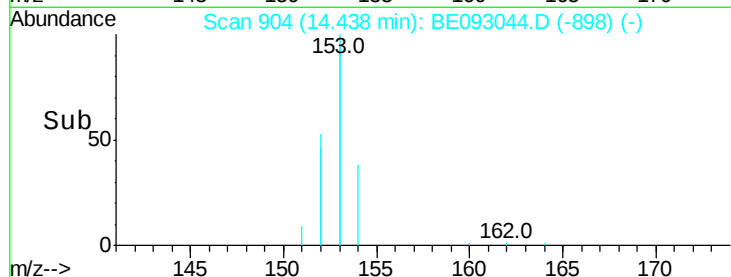
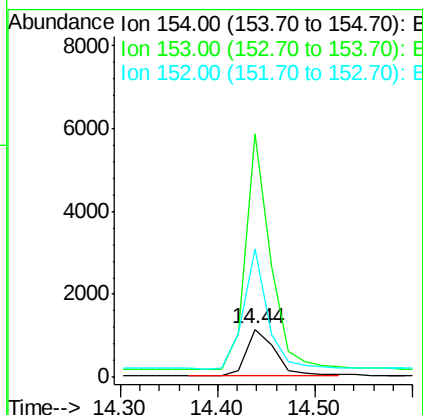
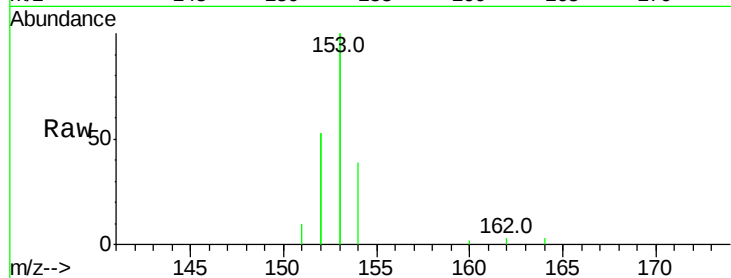




#17
Acenaphthene
Concen: 0.35 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

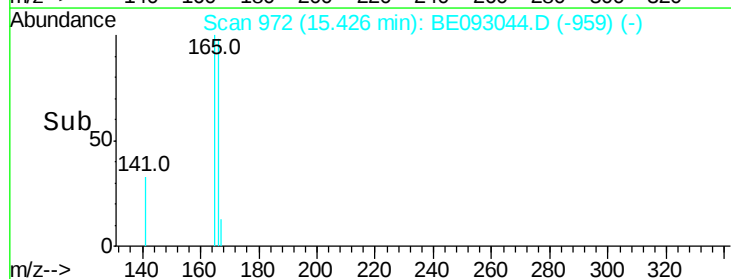
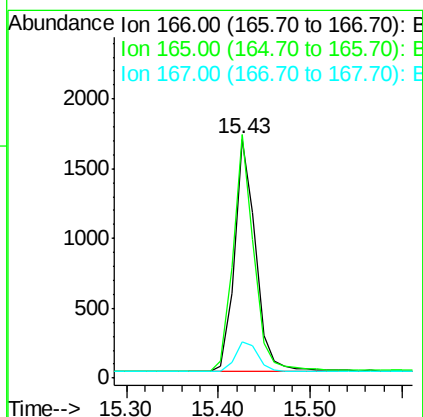
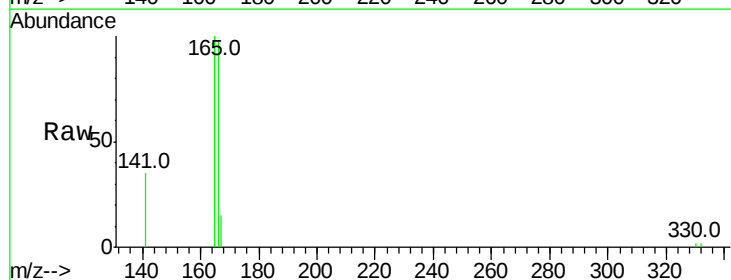
Instrument :
BNA_E
ClientSampleId :

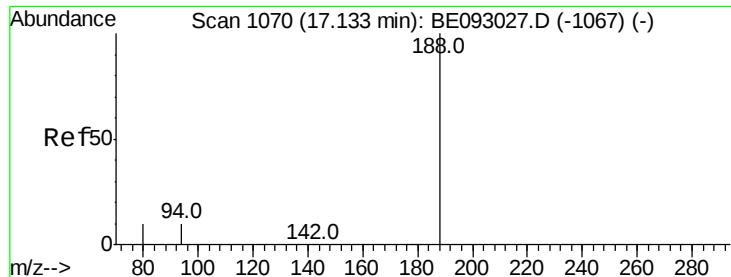
Tot Ion:154 Resp: 2176
Ion Ratio Lower Upper
154 100
153 462.5 367.8 551.6
152 230.6 188.2 282.2



#18
Fluorene
Concen: 0.36 ng
RT: 15.43 min Scan# 972
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Tgt Ion:166 Resp: 2687
Ion Ratio Lower Upper
166 100
165 99.7 78.6 117.8
167 14.1 11.1 16.7

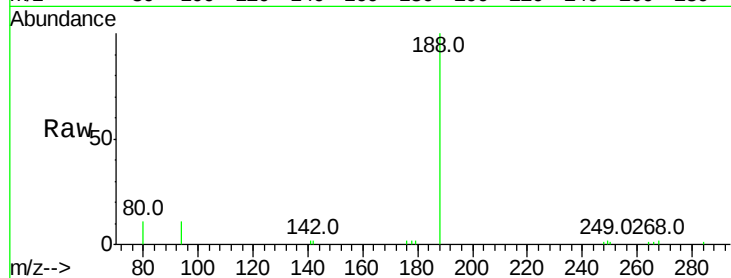




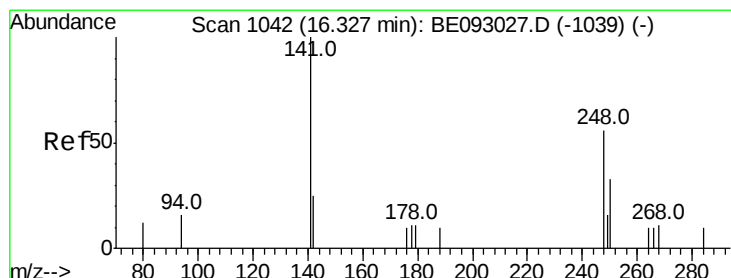
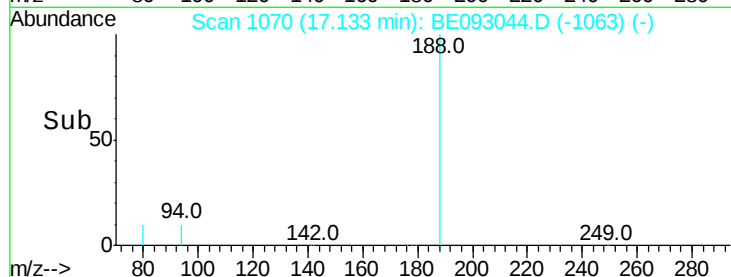
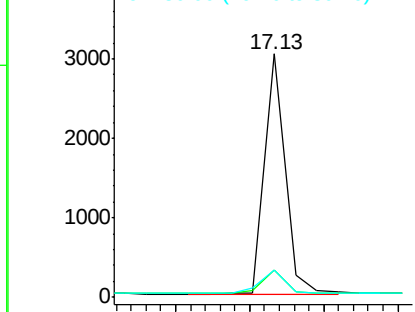
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Instrument :
BNA_E
ClientSampled :

Tot Ion:188 Resp: 5738
Ion Ratio Lower Upper
188 100
94 11.3 11.3 16.9
80 11.3 11.7 17.5#

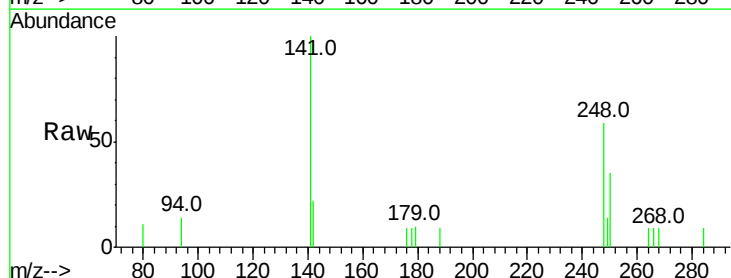


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

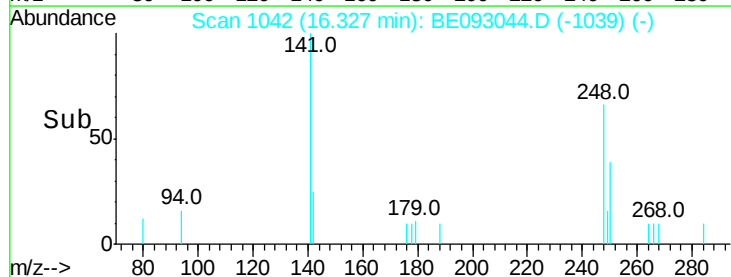
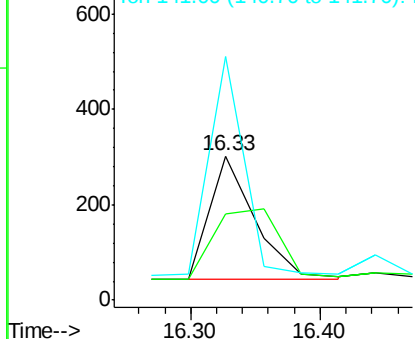


#20
4-Bromophenyl-phenylether
Concen: 0.35 ng
RT: 16.33 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Tgt Ion:248 Resp: 622
Ion Ratio Lower Upper
248 100
250 59.9 100.0 150.0#
141 169.2 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

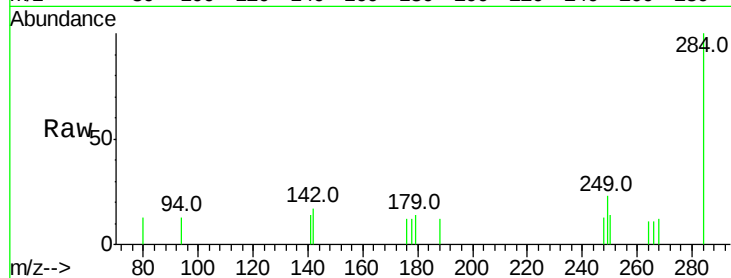




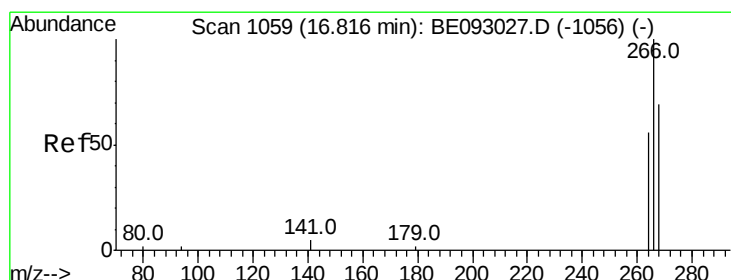
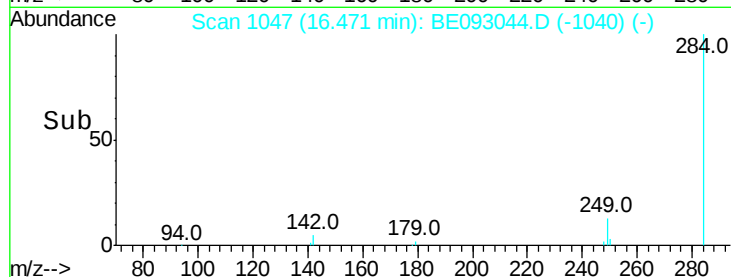
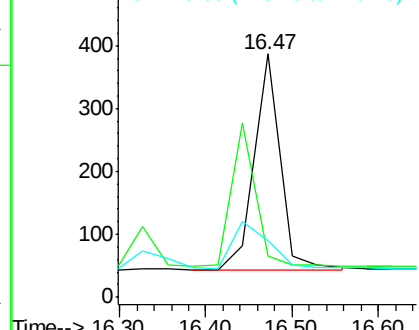
#21
Hexachlorobenzene
Concen: 0.25 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 713
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

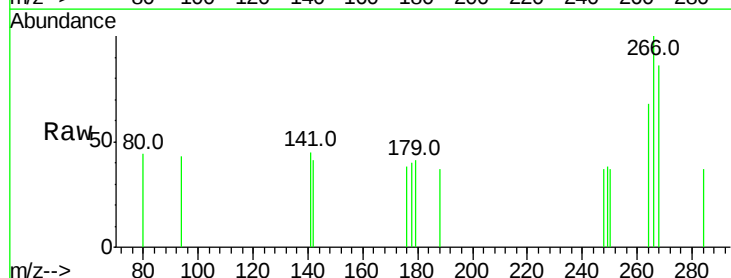


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

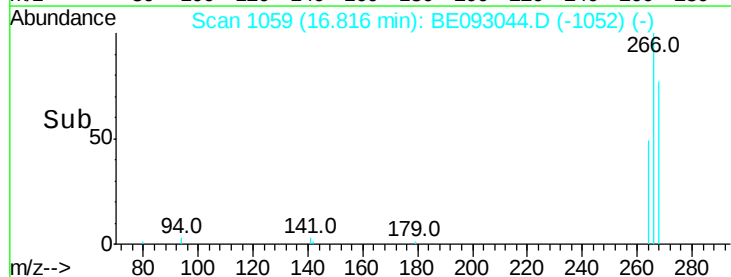
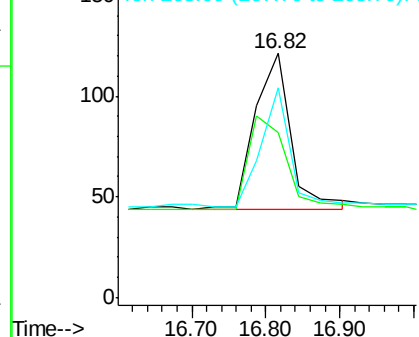


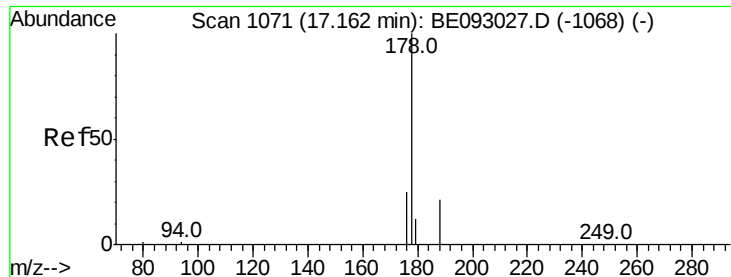
#22
Pentachlorophenol
Concen: 0.38 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Tgt Ion:266 Resp: 259
Ion Ratio Lower Upper
266 100
264 67.8 58.2 87.2
268 86.0 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: 0.31 ng

RT: 17.16 min Scan# 1071

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

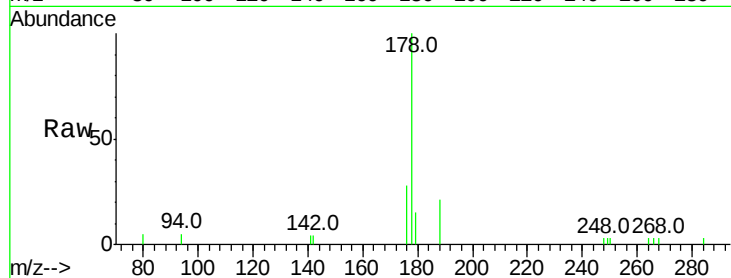
Tot Ion:178 Resp: 3963

Ion Ratio Lower Upper

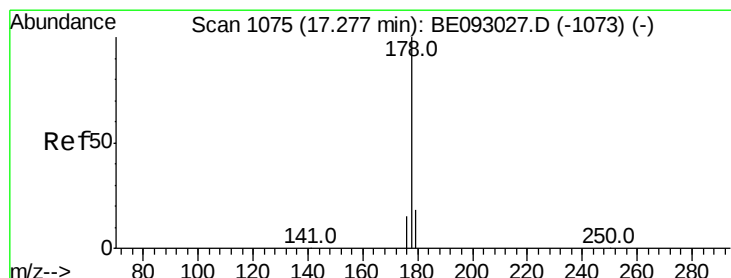
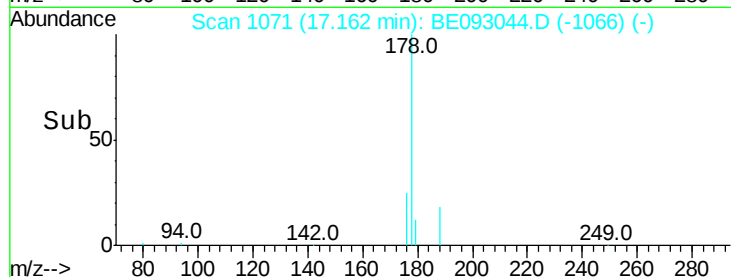
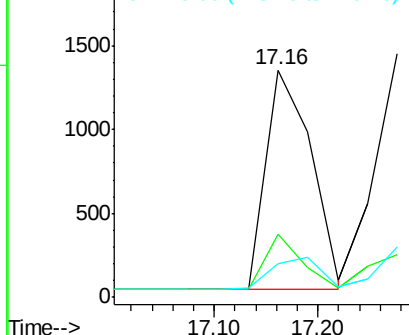
178 100

176 20.6 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: 0.26 ng

RT: 17.28 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

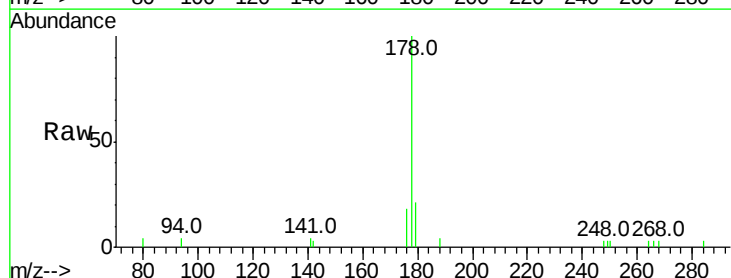
Tgt Ion:178 Resp: 3430

Ion Ratio Lower Upper

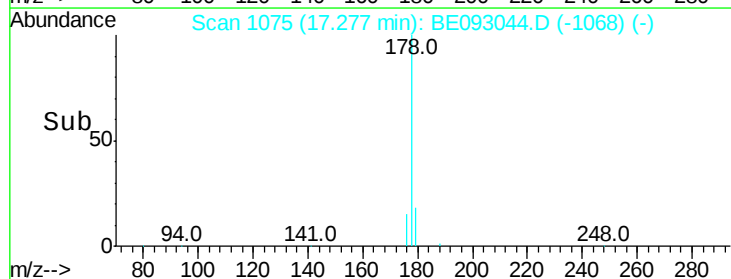
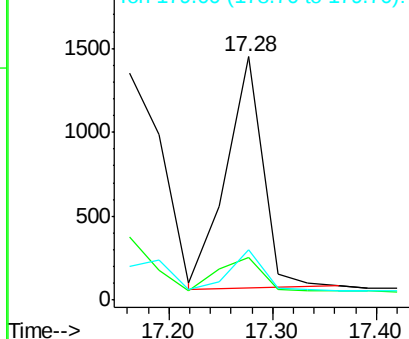
178 100

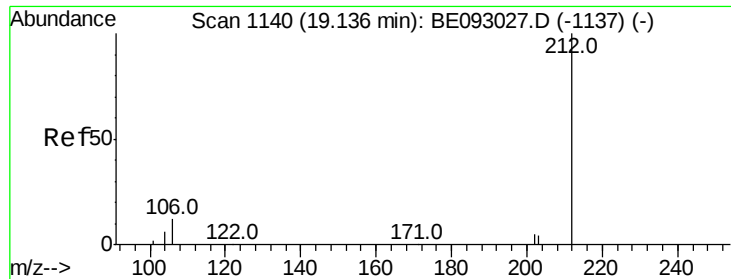
176 18.1 14.6 22.0

179 16.0 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: 0.33 ng

RT: 19.14 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

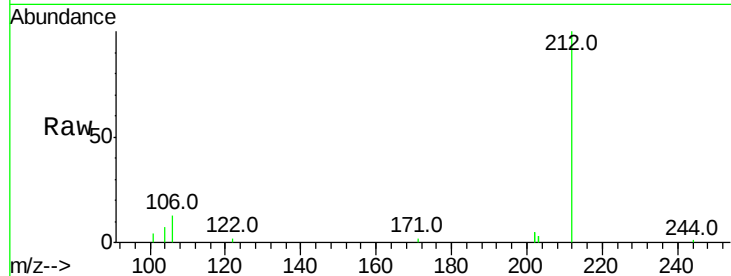
Tot Ion:212 Resp: 5003

Ion Ratio Lower Upper

212 100

106 14.9 0.0 0.0#

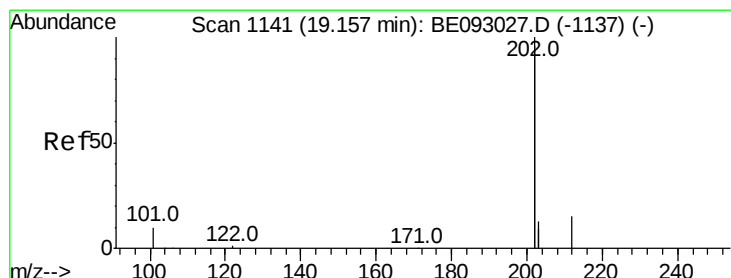
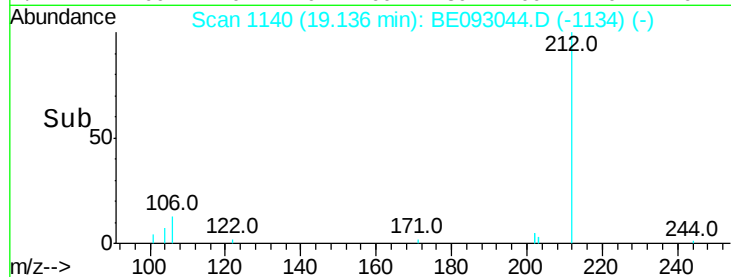
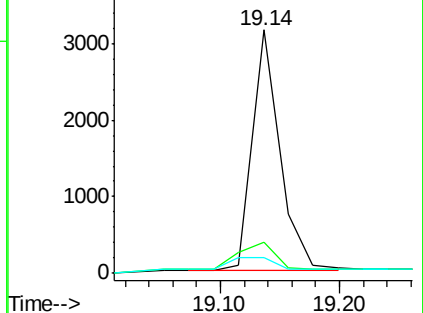
104 8.1 0.0 0.0#



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: 0.33 ng

RT: 19.16 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

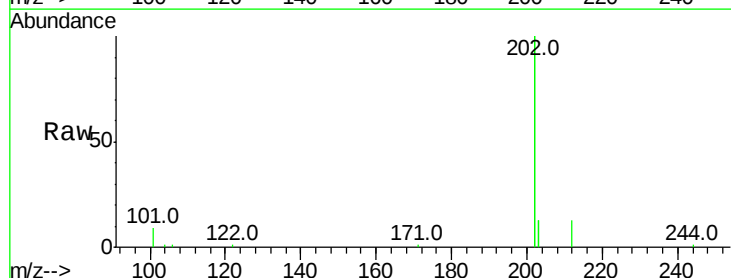
Tgt Ion:202 Resp: 23031

Ion Ratio Lower Upper

202 100

101 3.4 0.0 0.0#

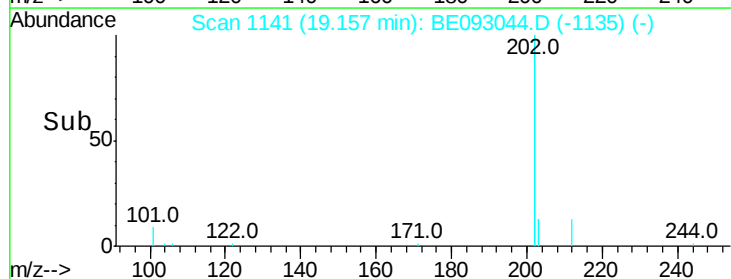
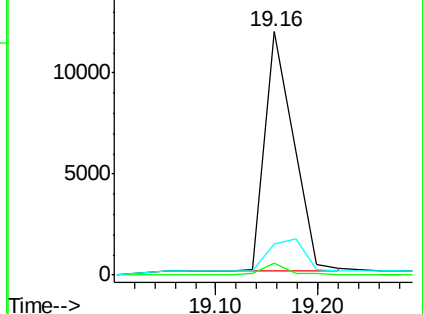
203 0.0 14.4 21.6#

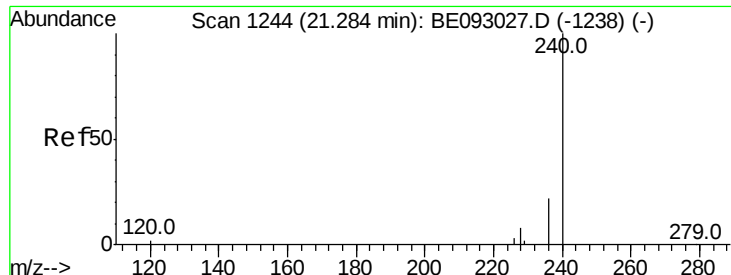


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

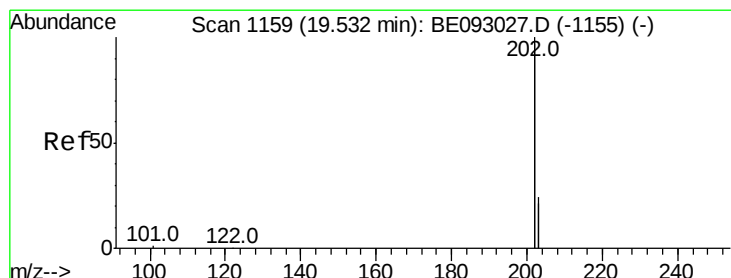
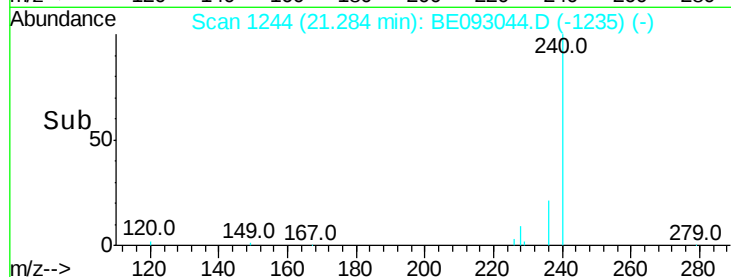
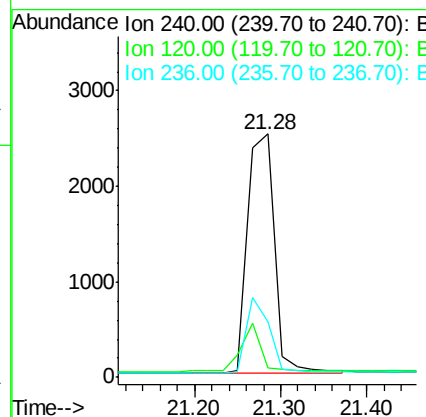
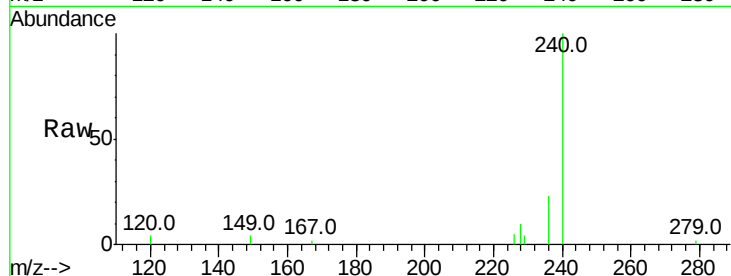




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

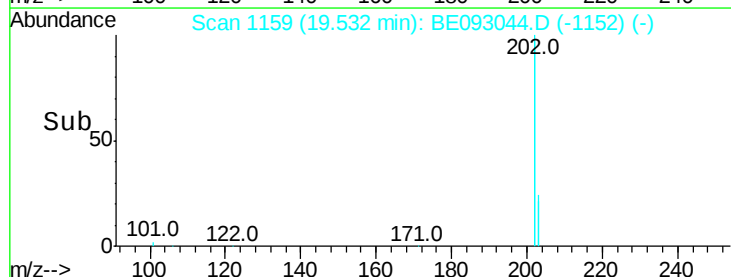
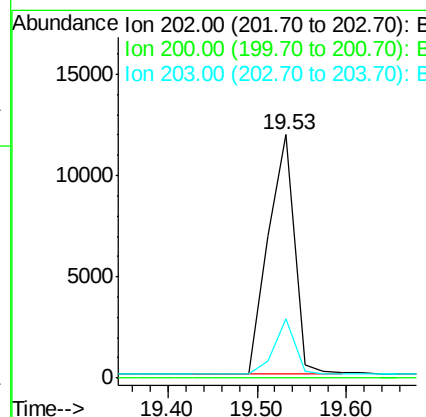
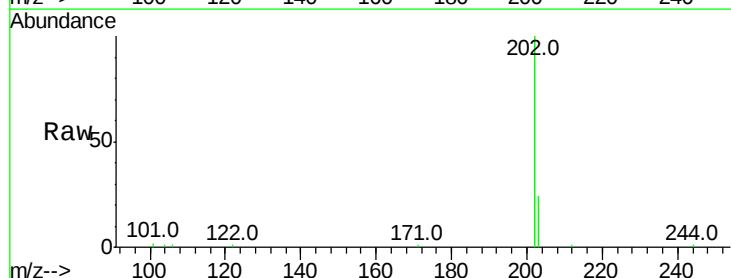
Instrument :
BNA_E
ClientSampleId :

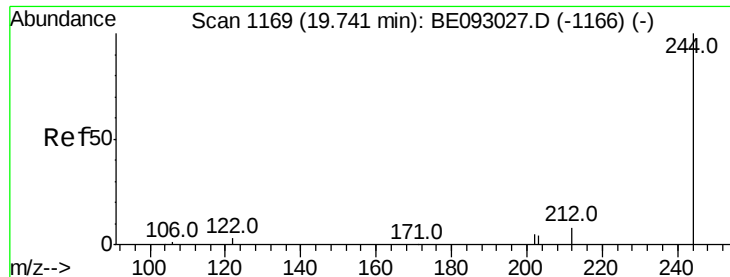
Tot Ion:240 Resp: 5391
Ion Ratio Lower Upper
240 100
120 4.1 4.6 7.0#
236 22.9 20.8 31.2



#28
Pyrene
Concen: 0.37 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Tgt Ion:202 Resp: 24212
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.3 13.7 20.5

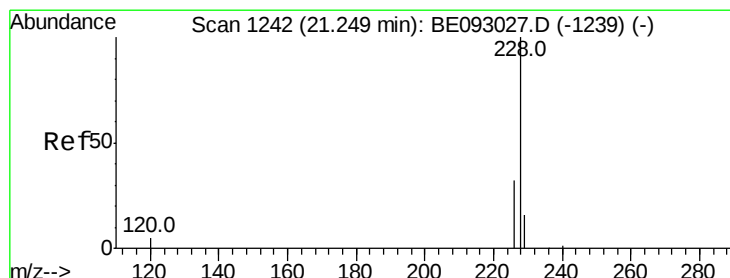
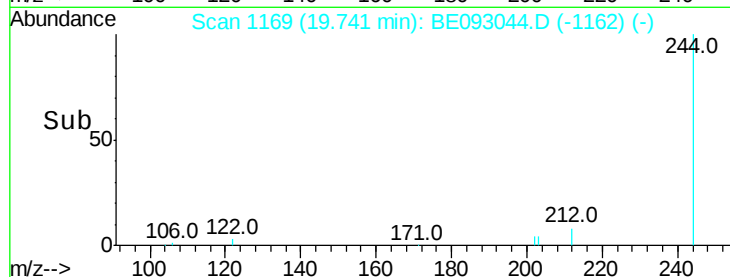
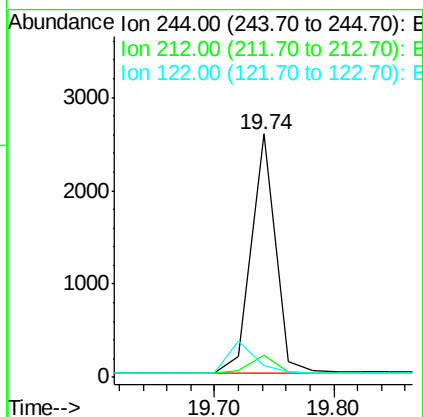
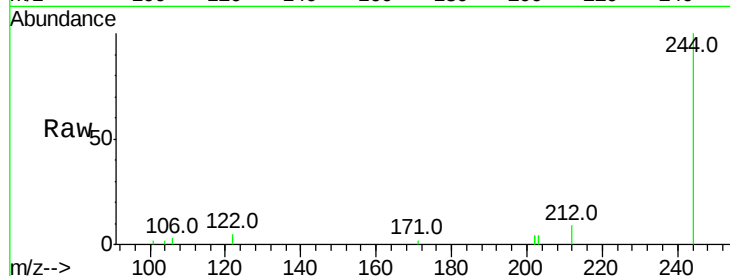




#29
 Terphenyl-d14
 Concen: 0.36 ng
 RT: 19.74 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BE093044.D
 Acq: 15 May 2017 21:08

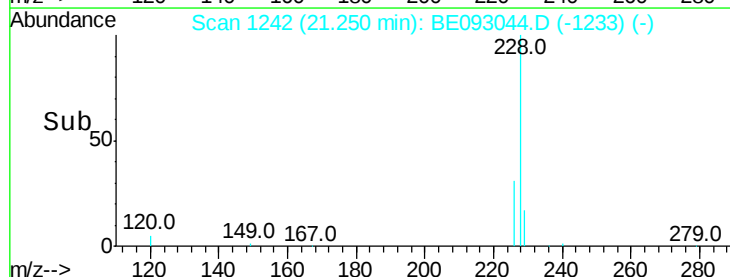
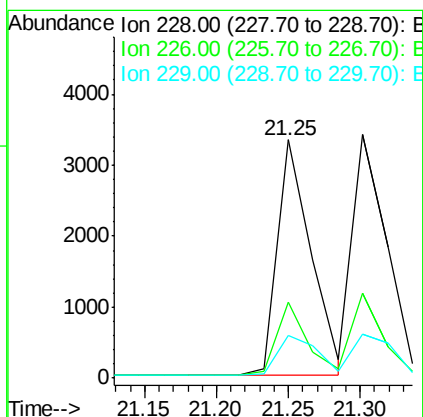
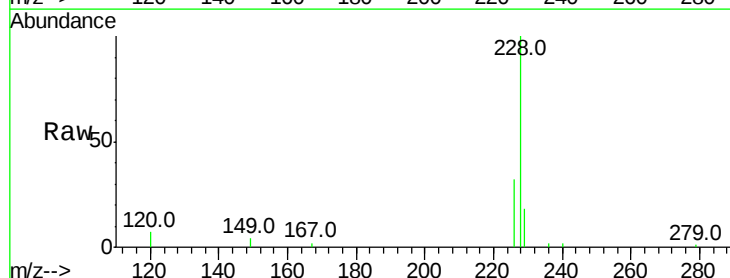
Instrument :
 BNA_E
 ClientSampleId :

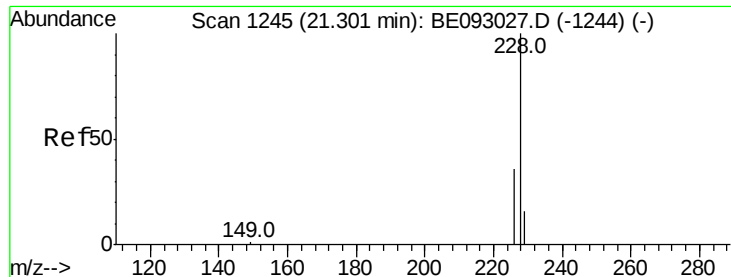
Tot Ion:244 Resp: 3657
 Ion Ratio Lower Upper
 244 100
 212 9.3 10.6 16.0#
 122 4.7 15.4 23.0#



#30
 Benzo(a)anthracene
 Concen: 0.37 ng
 RT: 21.25 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: BE093044.D
 Acq: 15 May 2017 21:08

Tgt Ion:228 Resp: 5437
 Ion Ratio Lower Upper
 228 100
 226 31.8 19.7 29.5#
 229 17.9 19.2 28.8#





#31

Chrysene

Concen: 0.36 ng

RT: 21.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampled :

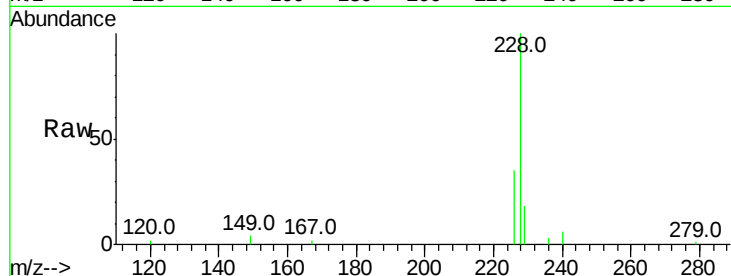
Tot Ion:228 Resp: 5661

Ion Ratio Lower Upper

228 100

226 34.9 21.5 32.3#

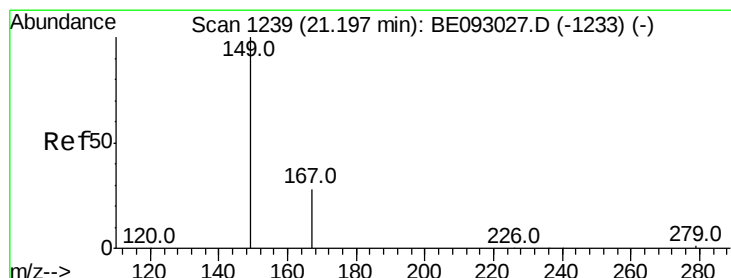
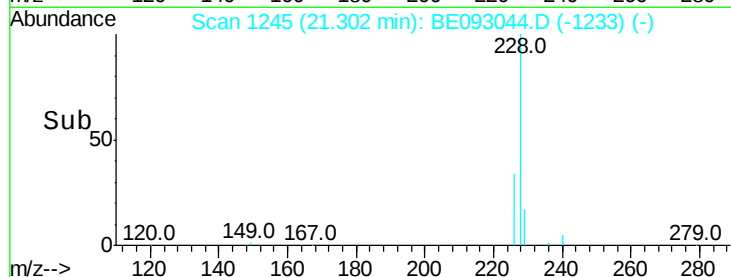
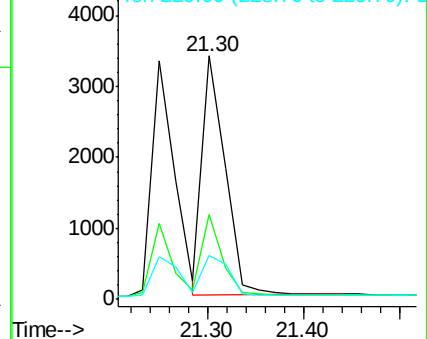
229 18.0 18.6 28.0#



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: 0.41 ng

RT: 21.20 min Scan# 1239

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

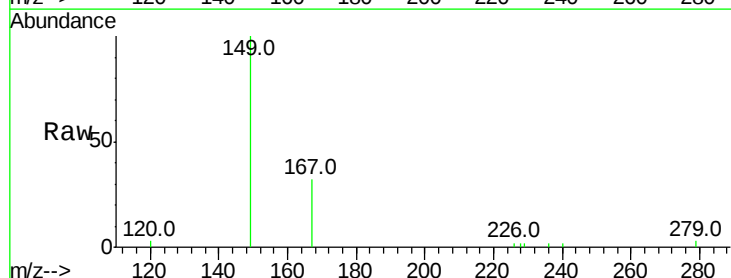
Tgt Ion:149 Resp: 2949

Ion Ratio Lower Upper

149 100

167 27.7 20.1 30.1

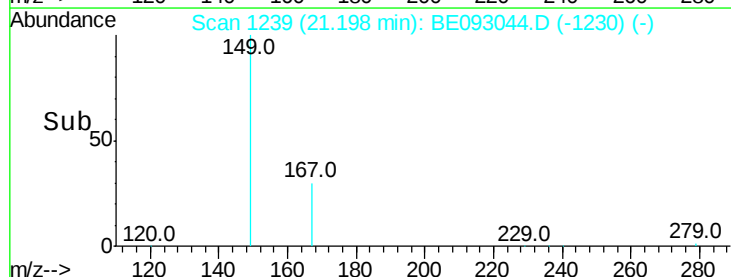
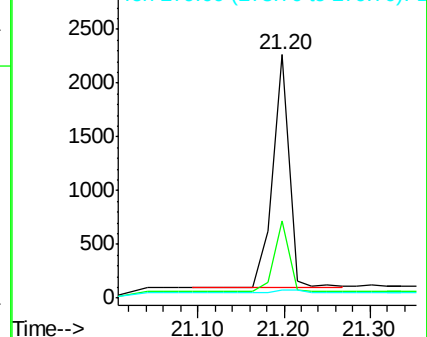
279 2.2 2.2 3.4#

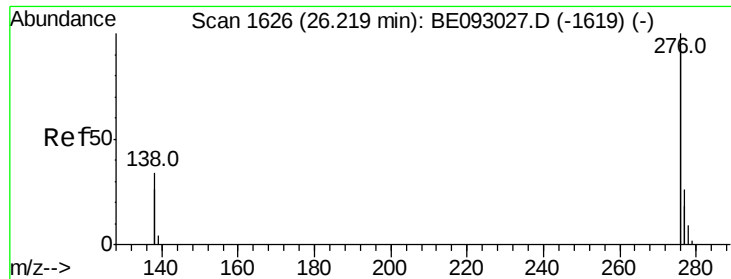


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.36 ng

RT: 26.22 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :

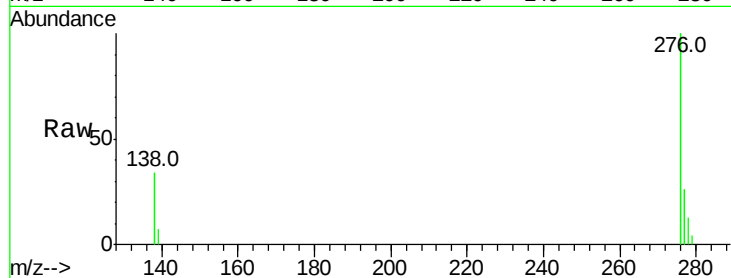
Tot Ion:276 Resp: 20692

Ion Ratio Lower Upper

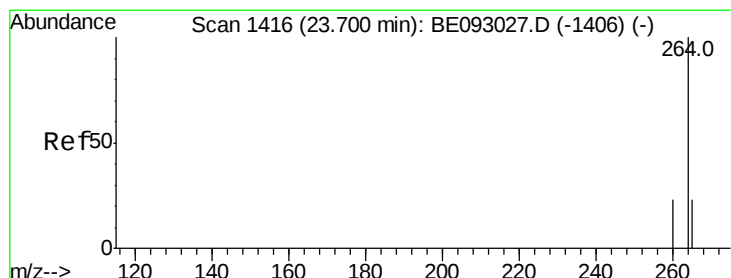
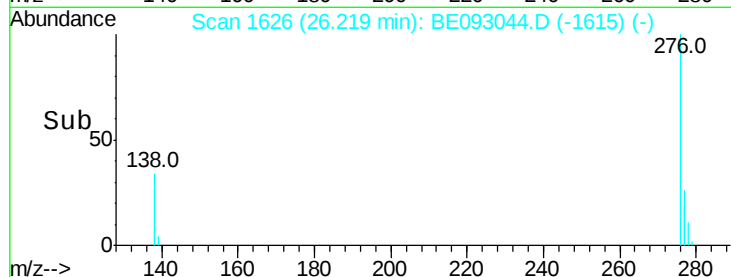
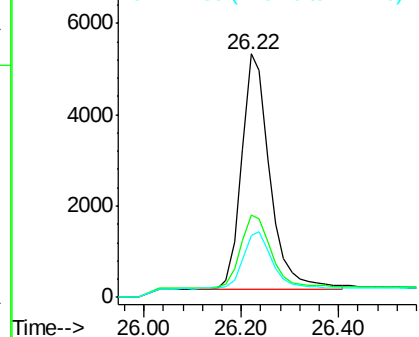
276 100

138 33.5 27.4 41.2

277 25.1 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# 1415

Delta R.T. -0.01 min

Lab File: BE093044.D

Acq: 15 May 2017 21:08

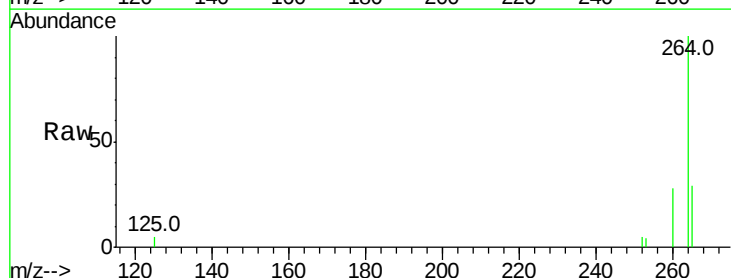
Tgt Ion:264 Resp: 4650

Ion Ratio Lower Upper

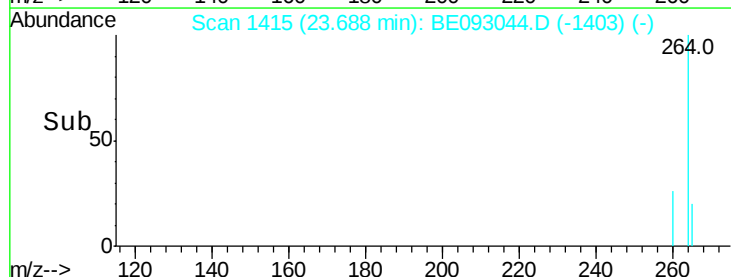
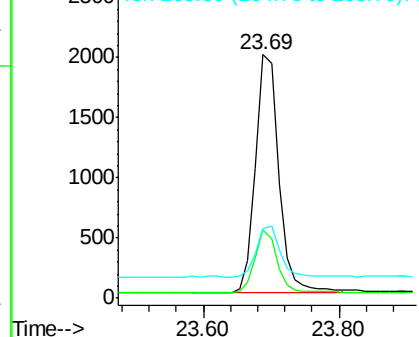
264 100

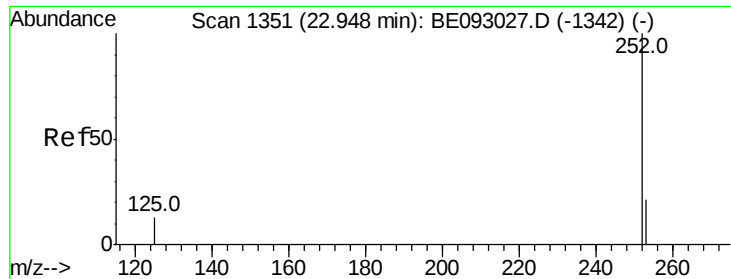
260 28.0 21.0 31.4

265 28.6 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

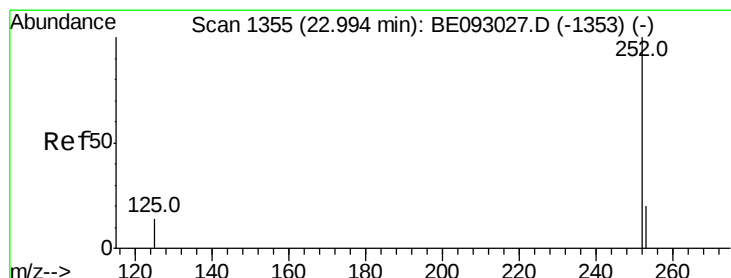
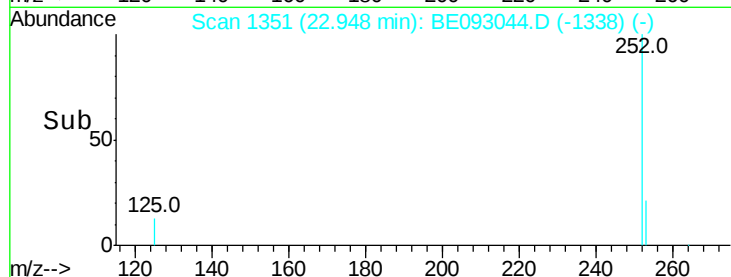
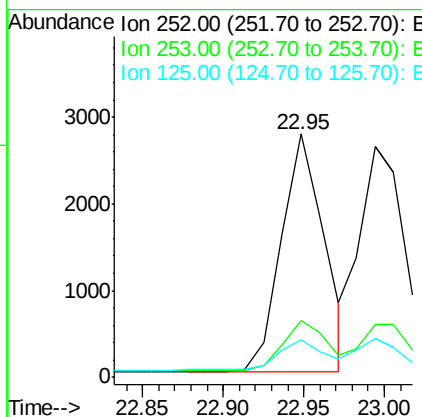
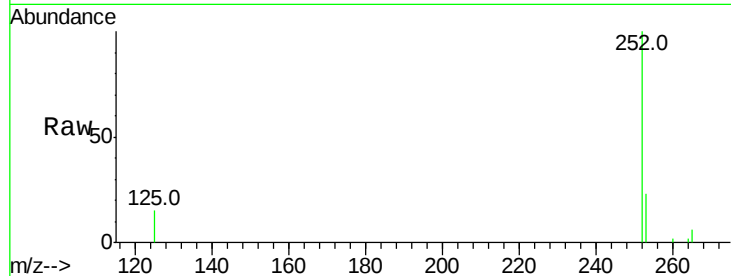




#35
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 22.95 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

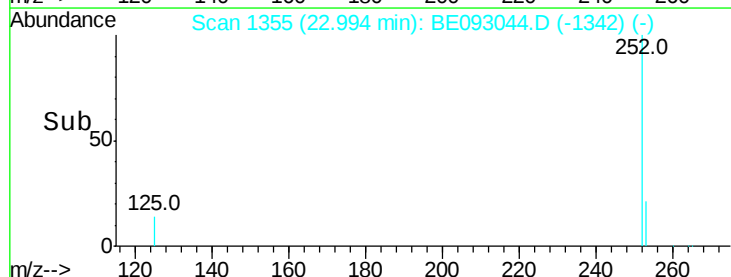
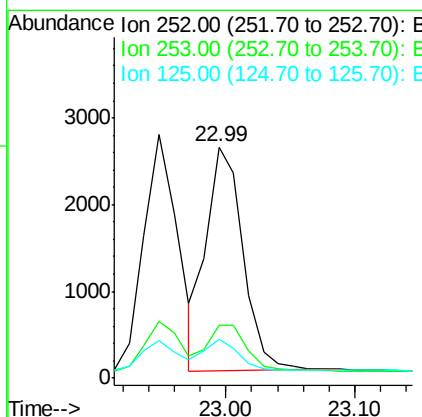
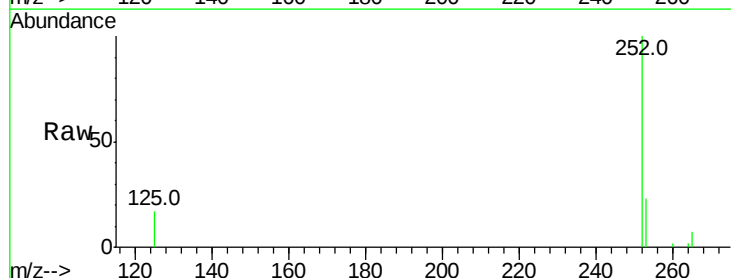
Instrument :
BNA_E
ClientSampleId :

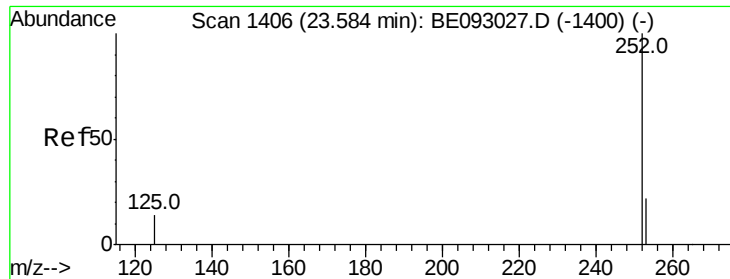
Tot Ion:252 Resp: 5081
Ion Ratio Lower Upper
252 100
253 23.5 18.5 27.7
125 15.3 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 22.99 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Tgt Ion:252 Resp: 5109
Ion Ratio Lower Upper
252 100
253 23.1 20.3 30.5
125 16.6 12.2 18.4

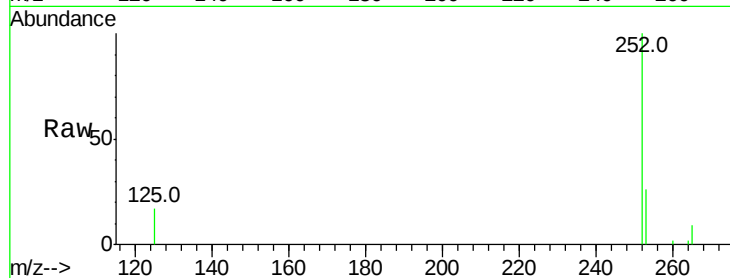




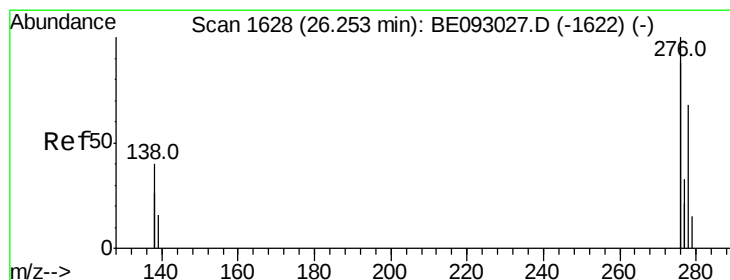
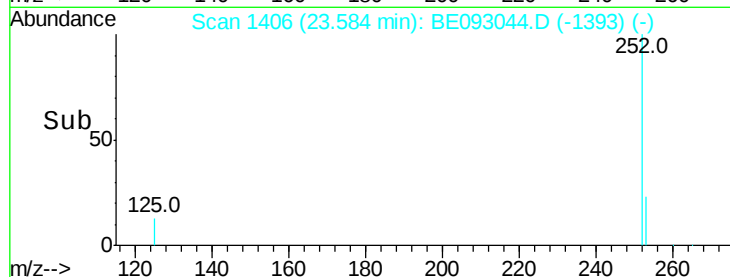
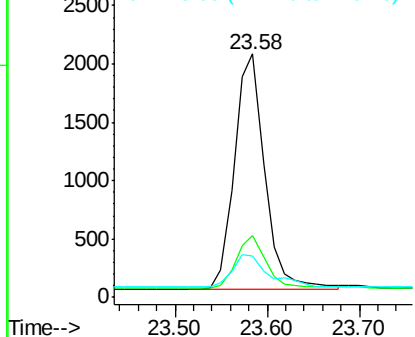
#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.58 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 4642
Ion Ratio Lower Upper
252 100
253 25.6 19.9 29.9
125 16.8 14.6 21.8

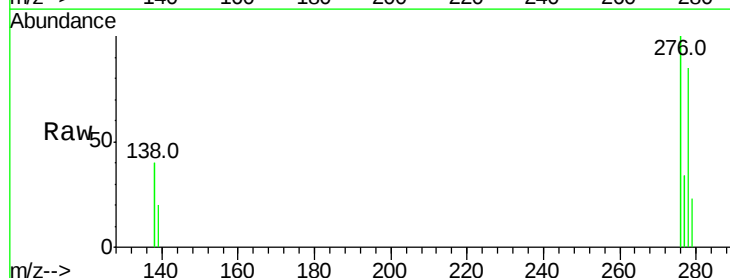


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

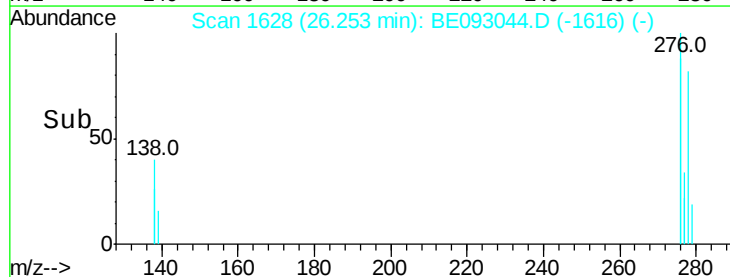
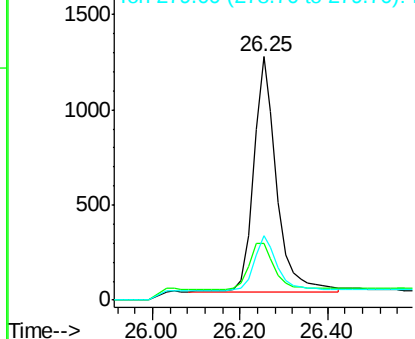


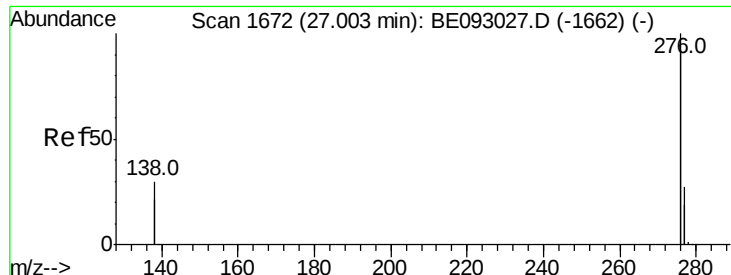
#38
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.25 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE093044.D
Acq: 15 May 2017 21:08

Tgt Ion:278 Resp: 4467
Ion Ratio Lower Upper
278 100
139 23.5 21.4 32.0
279 26.7 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: 0.34 ng

RT: 27.00 min Scan# 1672

Delta R.T. 0.00 min

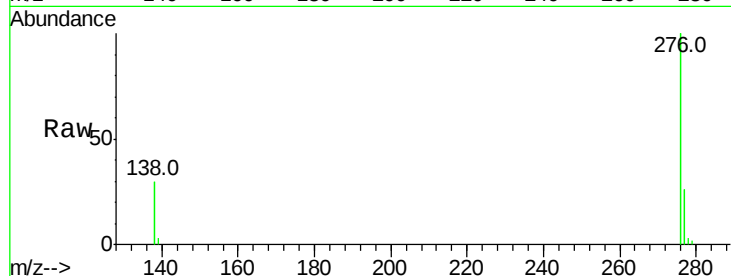
Lab File: BE093044.D

Acq: 15 May 2017 21:08

Instrument :

BNA_E

ClientSampleId :



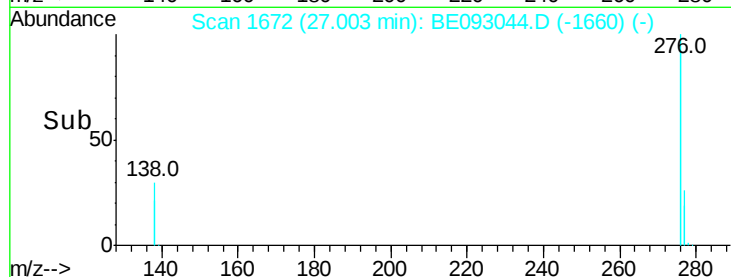
Tot Ion: 276 Resp: 18719

Ion Ratio Lower Upper

276 100

277 26.4 21.2 31.8

138 29.5 24.5 36.7



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

