

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051217\
 Data File : BE093023.D
 Acq On : 12 May 2017 18:15
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 12 23:45:36 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 14:48:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	810	0.40	ng	-0.02
7) Naphthalene-d8	10.53	136	3622	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	1816	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	4963	0.40	ng	0.00
27) Chrysene-d12	21.28	240	5208	0.40	ng	0.00
34) Perylene-d12	23.69	264	4681	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	1014	0.46	ng	0.00
5) Phenol-d6	6.92	99	1513	0.54	ng	-0.02
8) Nitrobenzene-d5	8.88	82	1364	0.48	ng	-0.02
11) 2-Methylnaphthalene-d10	12.12	152	2079	0.41	ng	-0.02
14) 2,4,6-Tribromophenol	15.88	330	271	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.01	172	2923	0.41	ng	0.00
25) Fluoranthene-d10	19.14	212	5270	0.40	ng	-0.02
29) Terphenyl-d14	19.74	244	3821	0.41	ng	0.00

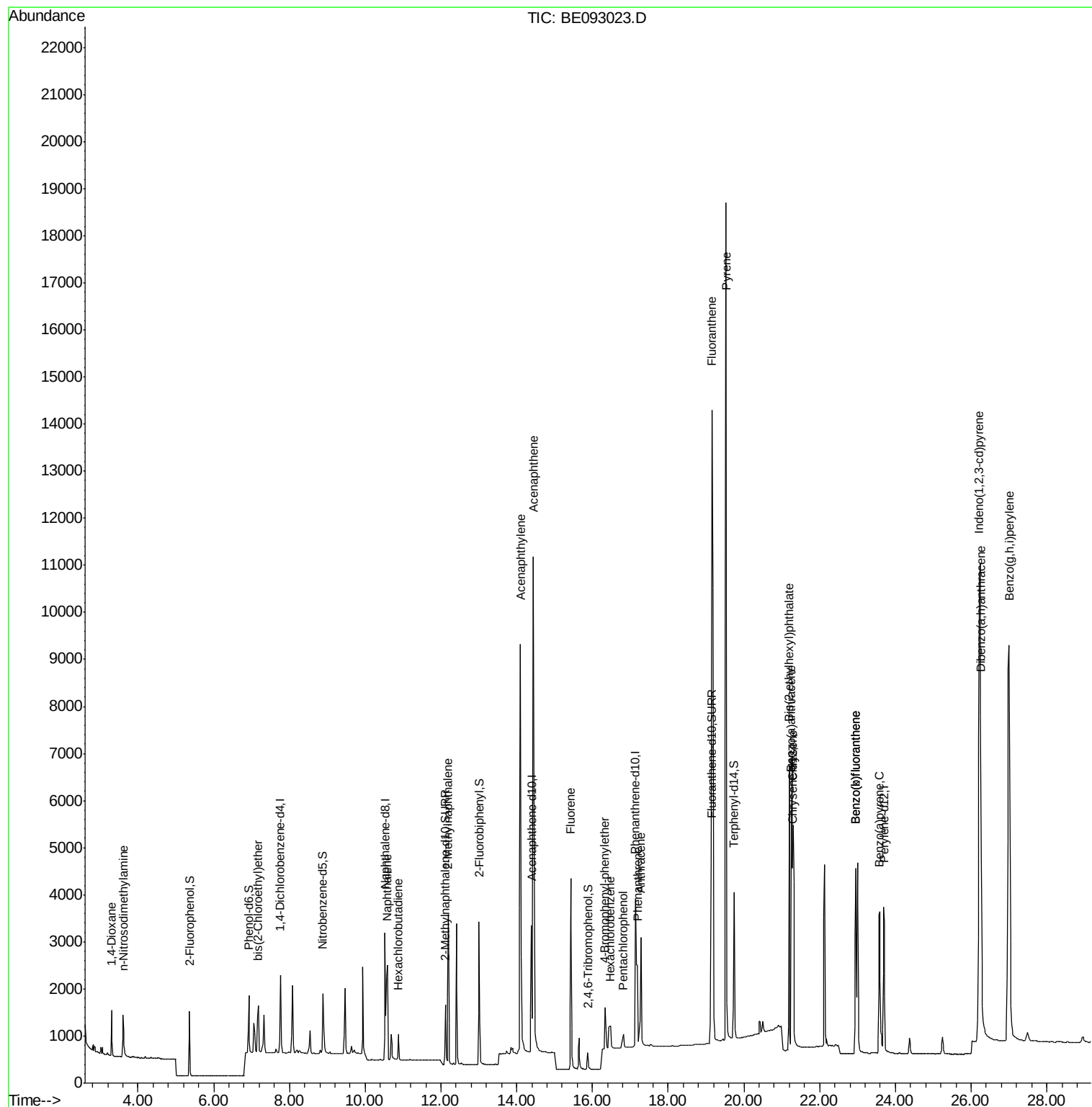
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	606	0.37	ng	98
3) n-Nitrosodimethylamine	3.61	42	604	0.43	ng	# 97
6) bis(2-Chloroethyl)ether	7.18	93	1113	0.41	ng	# 99
9) Naphthalene	10.58	128	3701	0.38	ng	100
10) Hexachlorobutadiene	10.87	225	499	0.38	ng	99
12) 2-Methylnaphthalene	12.19	142	2339	0.41	ng	94
16) Acenaphthylene	14.10	152	13206	0.43	ng	100
17) Acenaphthene	14.44	154	2242	0.40	ng	97
18) Fluorene	15.42	166	2822	0.40	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	575	0.36	ng	# 1
21) Hexachlorobenzene	16.47	284	772	0.30	ng	# 100
22) Pentachlorophenol	16.82	266	349	0.63	ng	92
23) Phenanthrene	17.19	178	4064	0.35	ng	# 77
24) Anthracene	17.28	178	3841	0.37	ng	97
26) Fluoranthene	19.16	202	23642	0.37	ng	# 59
28) Pyrene	19.53	202	25600	0.39	ng	# 96
30) Benzo(a)anthracene	21.25	228	5887	0.46	ng	# 84
31) Chrysene	21.30	228	5815	0.36	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.20	149	5703	0.99	ng	97
33) Indeno(1,2,3-cd)pyrene	26.22	276	23436	0.46	ng	99
35) Benzo(b)fluoranthene	22.95	252	5514	0.37	ng	98
36) Benzo(k)fluoranthene	22.95	252	5514	0.37	ng	98
37) Benzo(a)pyrene	23.59	252	5200	0.40	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	5015	0.42	ng	98
39) Benzo(g,h,i)perylene	27.00	276	20694	0.38	ng	98

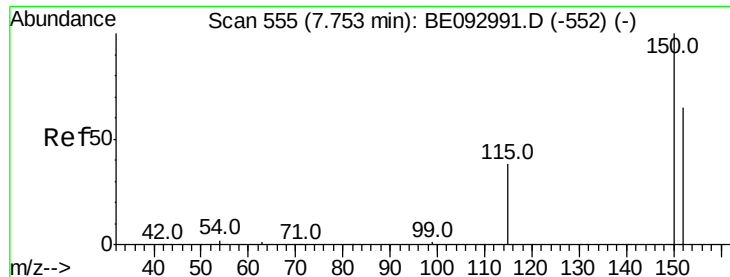
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051117.M
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QLast Update : Thu May 11 14:48:08 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 0.40 ng

RT: 7.75 min Scan# 555

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

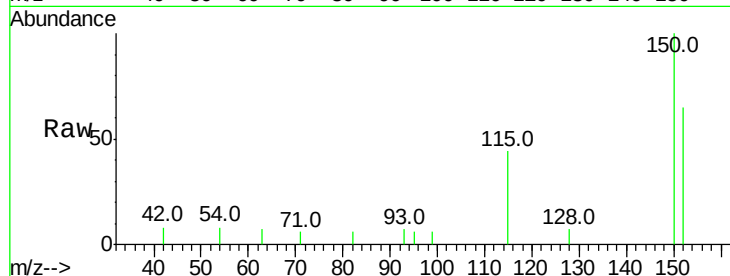
Tot Ion:152 Resp: 810

Ion Ratio Lower Upper

152 100

150 153.5 125.1 187.7

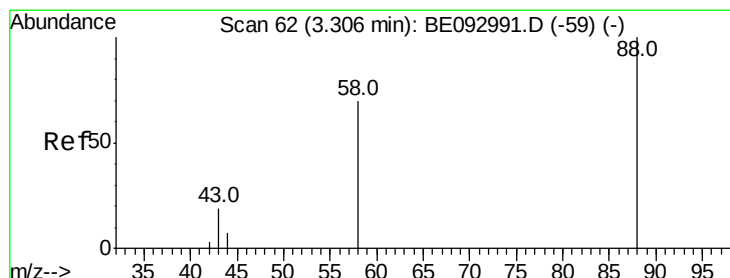
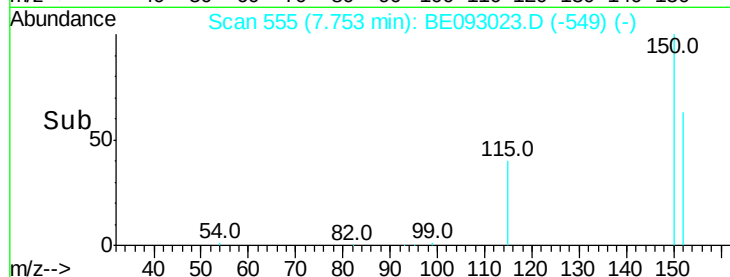
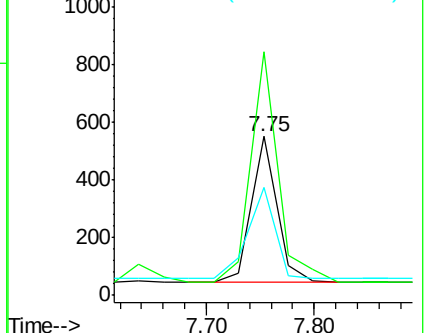
115 68.0 55.7 83.5



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: 0.37 ng

RT: 3.31 min Scan# 62

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

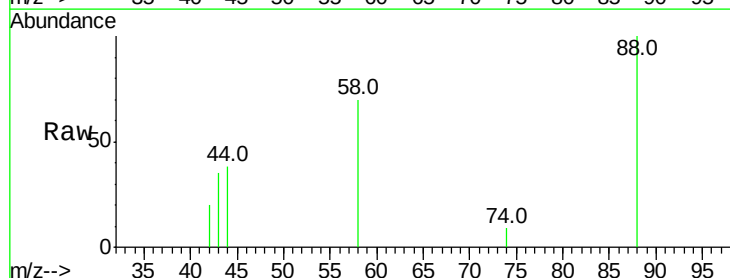
Tgt Ion: 88 Resp: 606

Ion Ratio Lower Upper

88 100

58 78.2 62.2 93.4

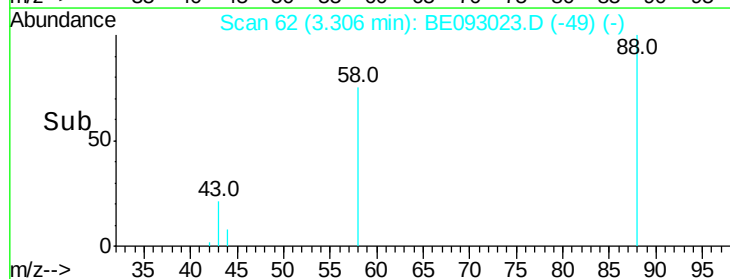
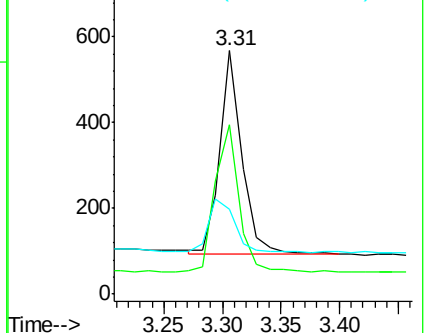
43 31.5 23.2 34.8

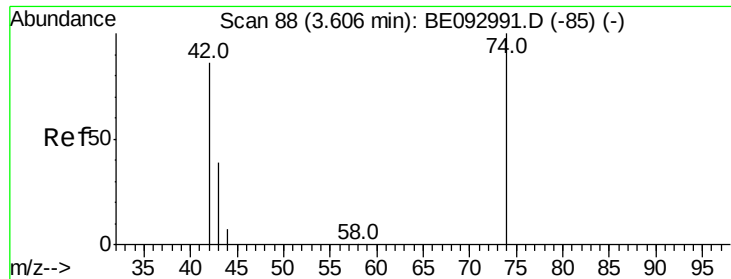


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.43 ng

RT: 3.61 min Scan# 88

Delta R.T. 0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

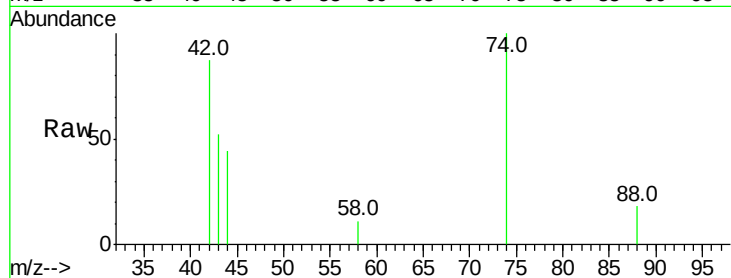
Tot Ion: 42 Resp: 604

Ion Ratio Lower Upper

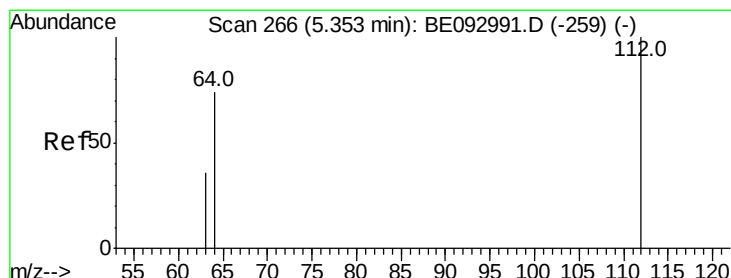
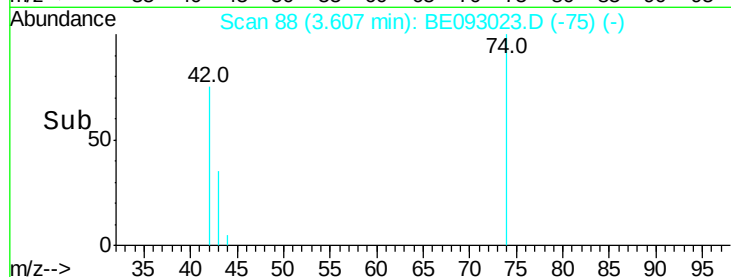
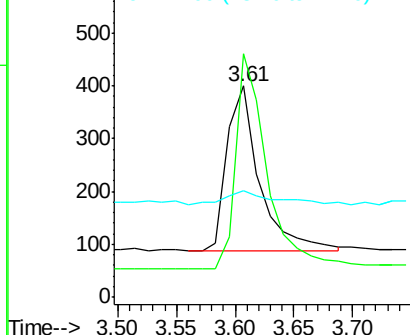
42 100

74 127.0 99.1 148.7

44 12.1 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: 0.46 ng

RT: 5.36 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

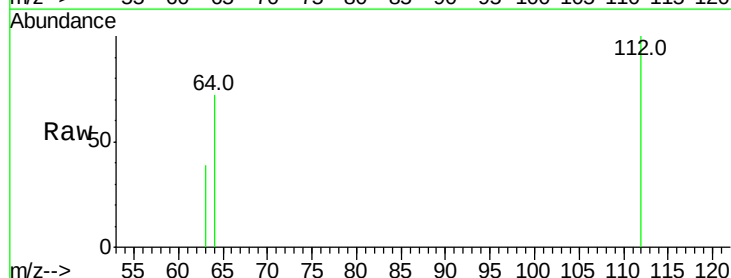
Tgt Ion: 112 Resp: 1014

Ion Ratio Lower Upper

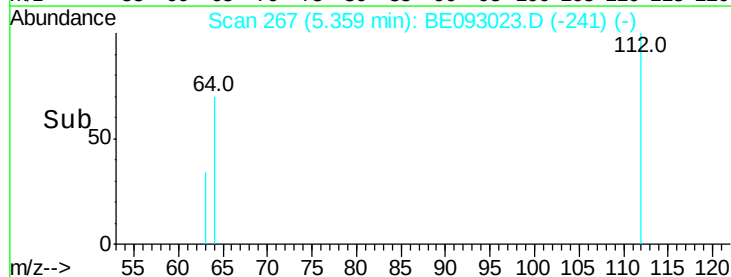
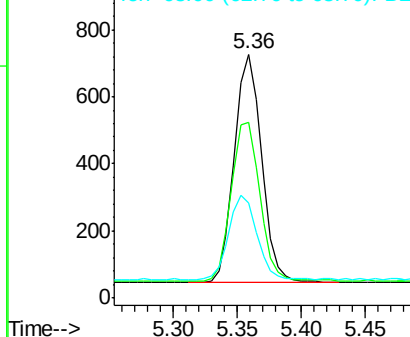
112 100

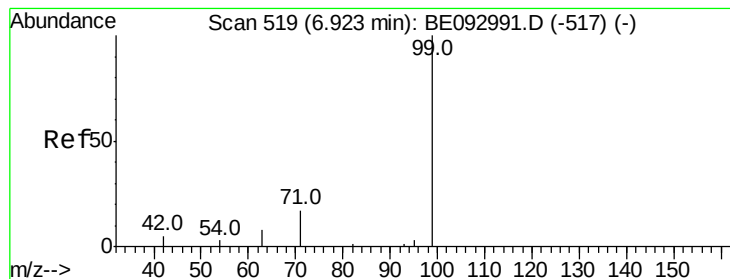
64 71.9 56.4 84.6

63 37.5 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: 0.54 ng

RT: 6.92 min Scan# 519

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

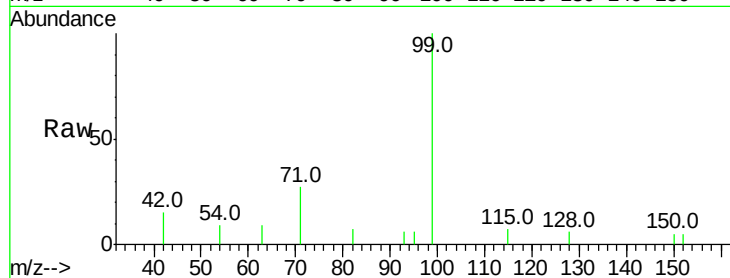
Tot Ion: 99 Resp: 1513

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

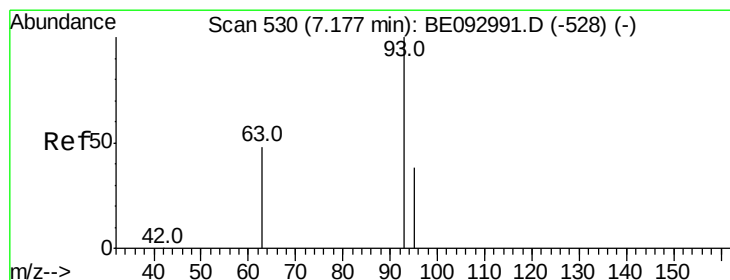
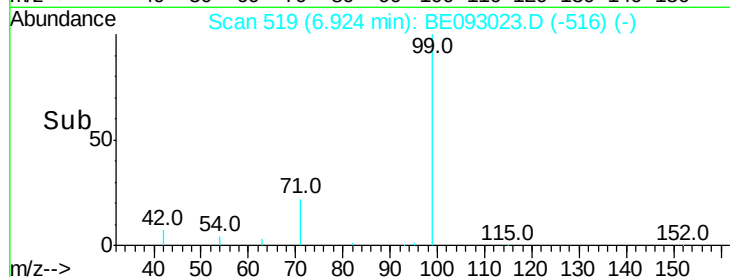
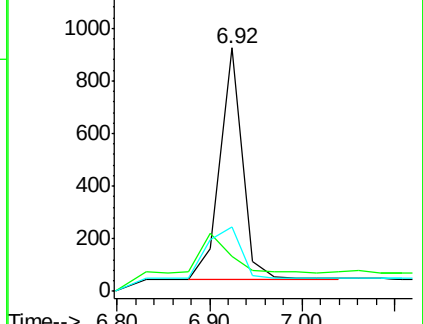
71 32.9 0.0 0.0#



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: 0.41 ng

RT: 7.18 min Scan# 530

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

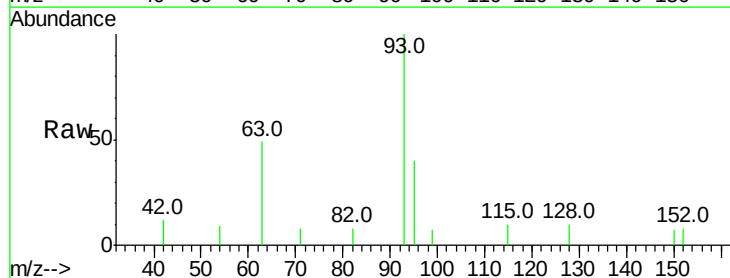
Tgt Ion: 93 Resp: 1113

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

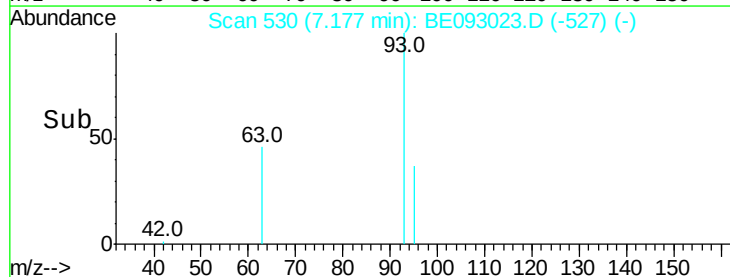
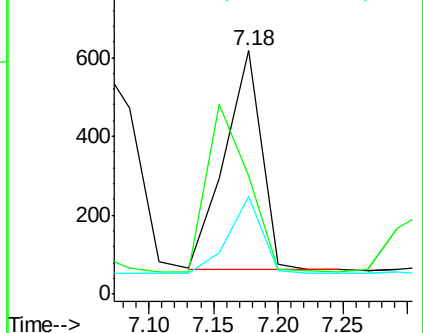
95 32.1 25.4 38.0

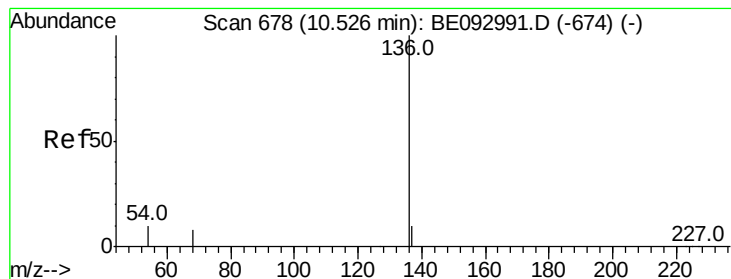


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3622

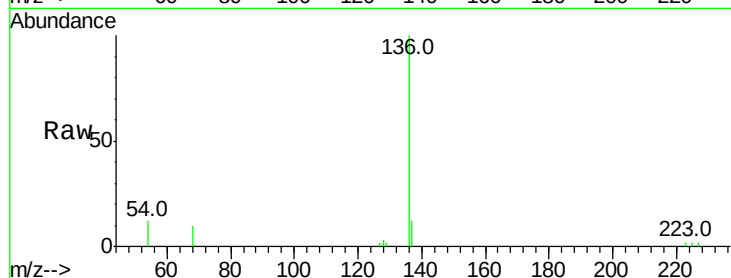
Ion Ratio Lower Upper

136 100

137 12.4 9.8 14.8

54 11.5 10.3 15.5

68 10.2 9.0 13.4

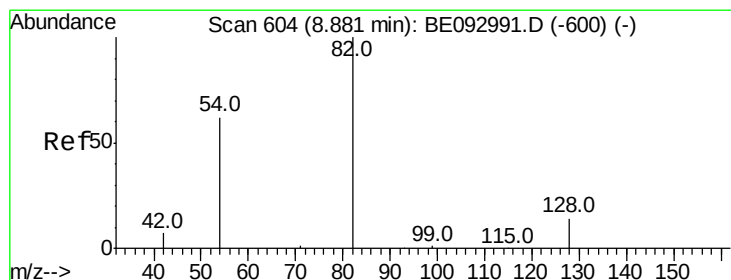
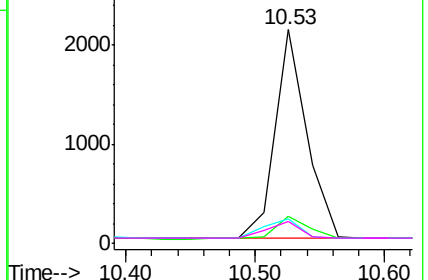
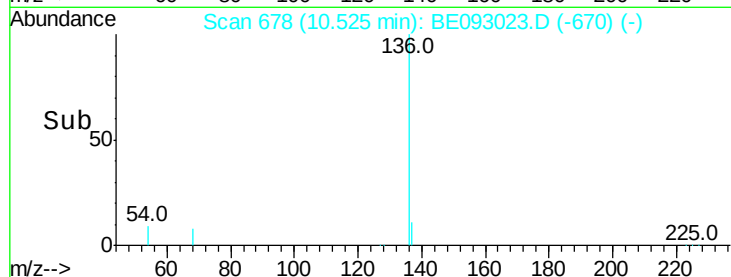


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.48 ng

RT: 8.88 min Scan# 604

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

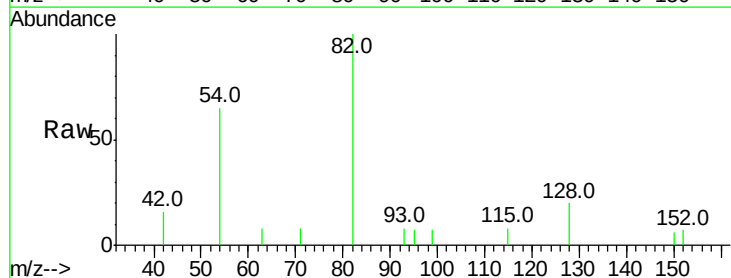
Tgt Ion: 82 Resp: 1364

Ion Ratio Lower Upper

82 100

128 20.2 17.0 25.4

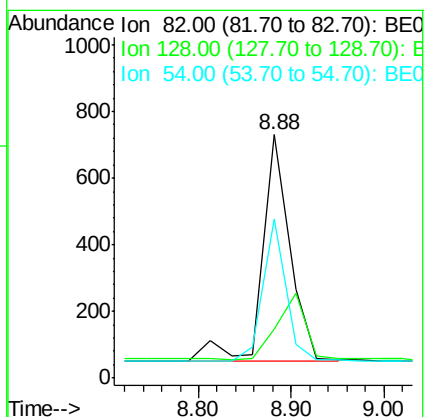
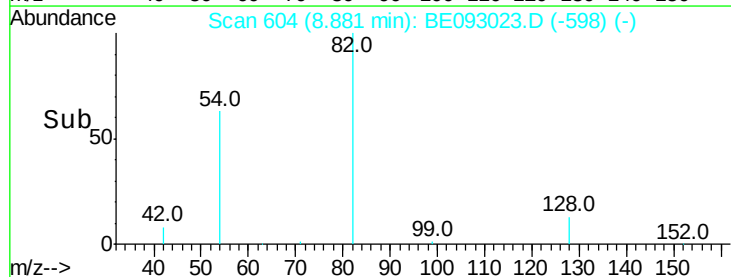
54 65.4 53.8 80.6

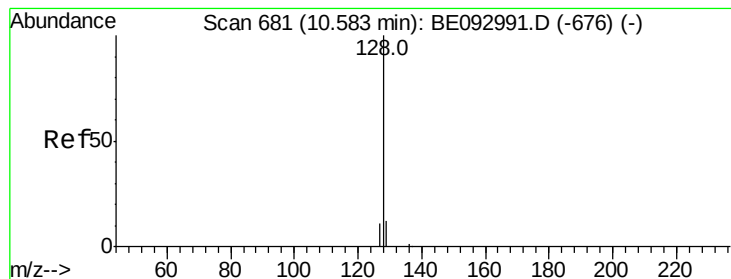


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.38 ng

RT: 10.58 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

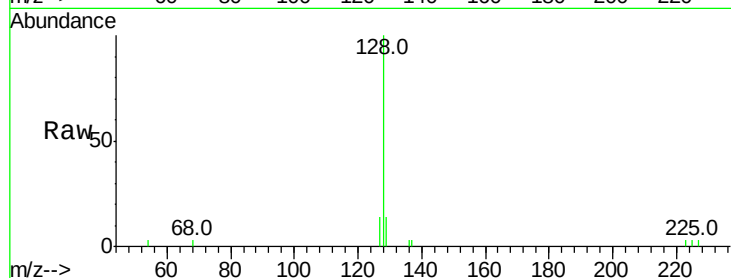
Tot Ion:128 Resp: 3701

Ion Ratio Lower Upper

128 100

129 14.1 11.4 17.0

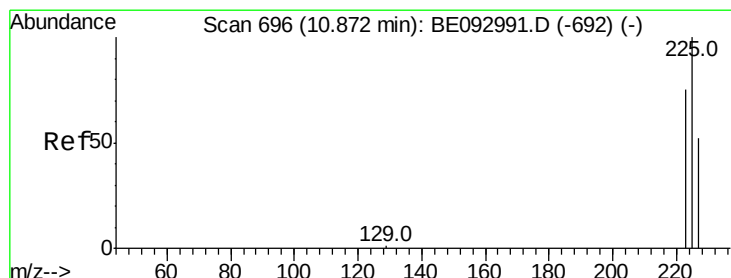
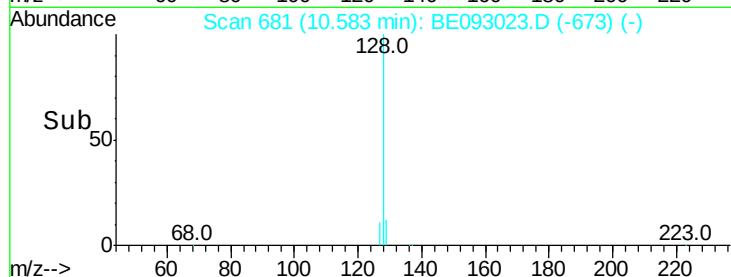
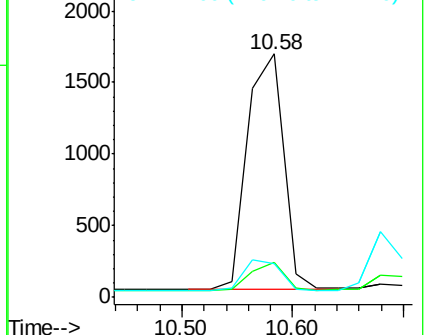
127 13.8 11.2 16.8



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: 0.38 ng

RT: 10.87 min Scan# 696

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

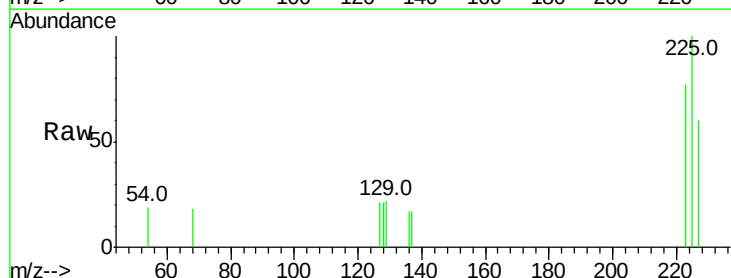
Tgt Ion:225 Resp: 499

Ion Ratio Lower Upper

225 100

223 63.1 49.7 74.5

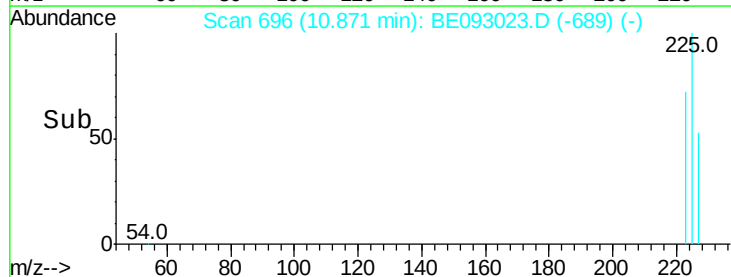
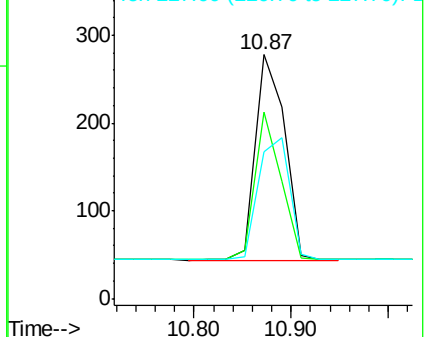
227 62.9 50.3 75.5

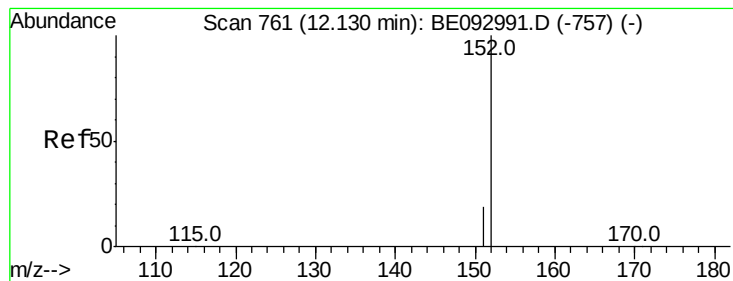


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.41 ng

RT: 12.12 min Scan# 760

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

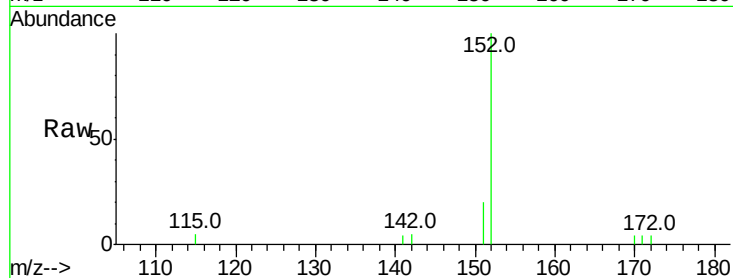
ClientSampleId :

Tot Ion:152 Resp: 2079

Ion Ratio Lower Upper

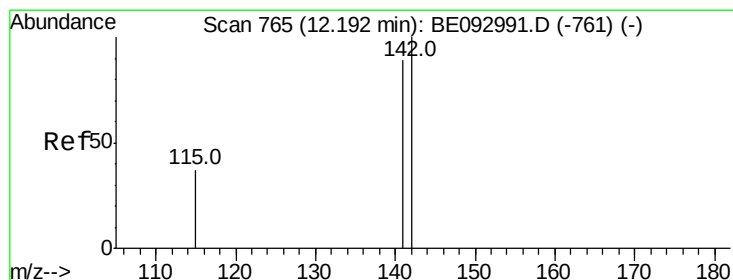
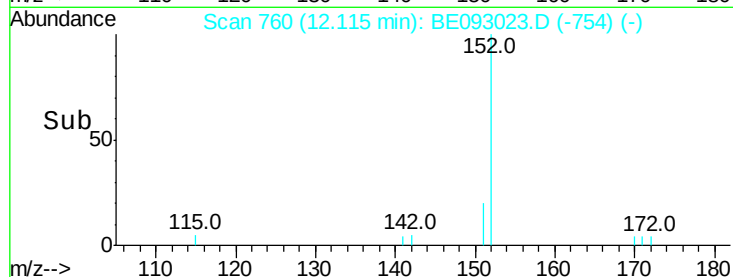
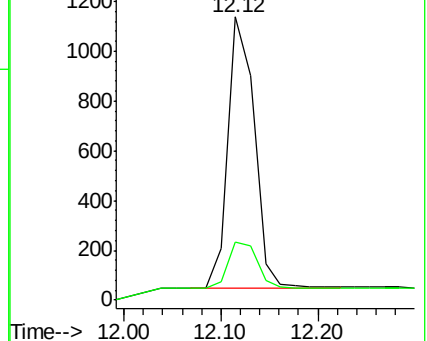
152 100

151 19.4 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.41 ng

RT: 12.19 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

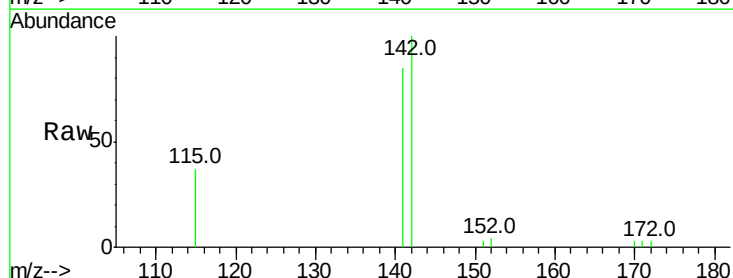
Tgt Ion:142 Resp: 2339

Ion Ratio Lower Upper

142 100

141 85.2 72.6 108.8

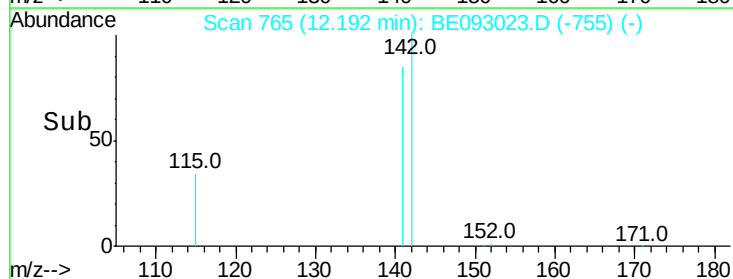
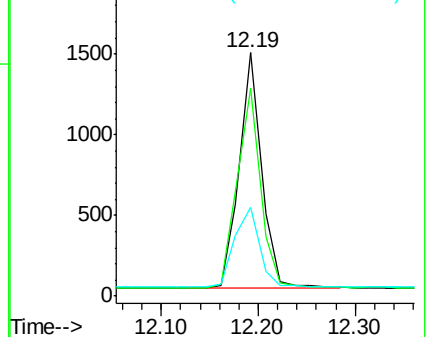
115 36.7 32.2 48.2

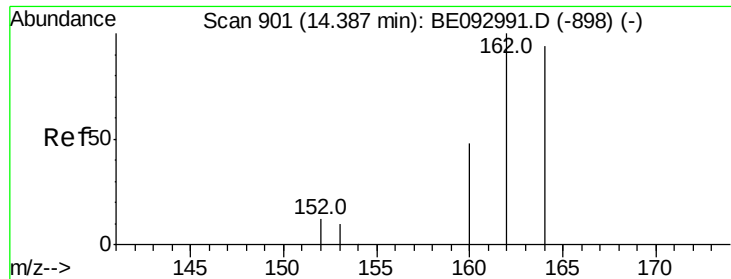


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.40 ng

RT: 14.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

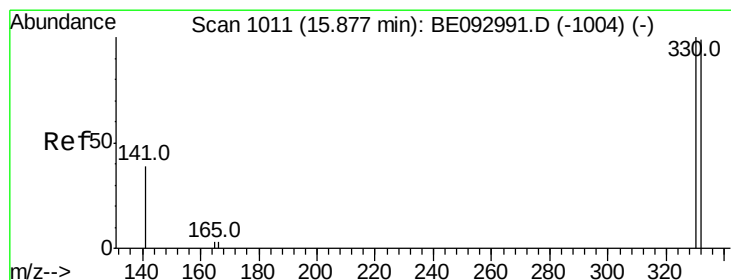
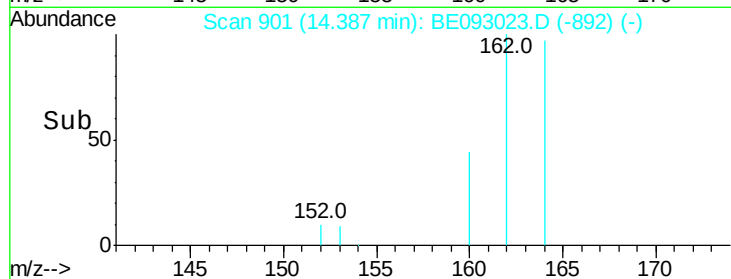
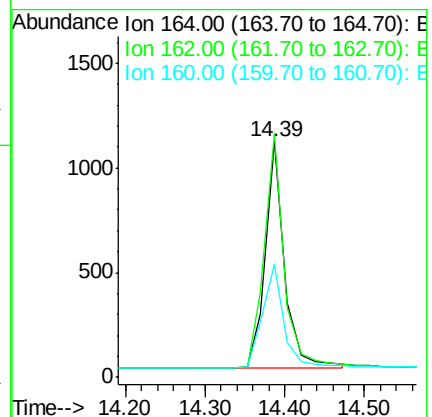
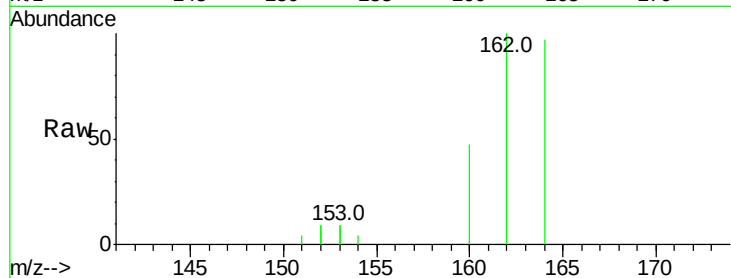
Tot Ion:164 Resp: 1816

Ion Ratio Lower Upper

164 100

162 103.5 84.6 127.0

160 48.2 41.8 62.6



#14

2,4,6-Tribromophenol

Concen: 0.55 ng

RT: 15.88 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

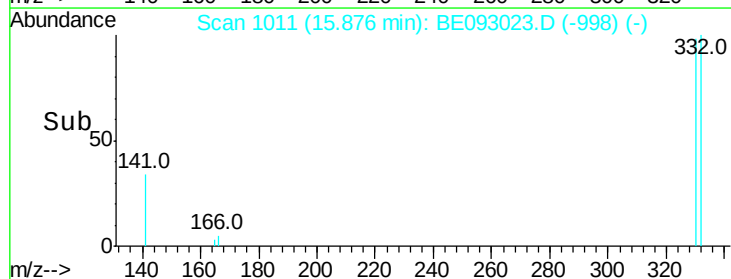
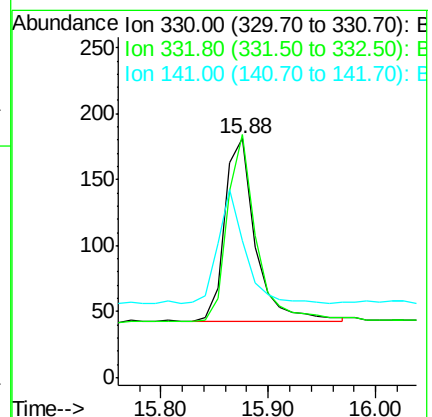
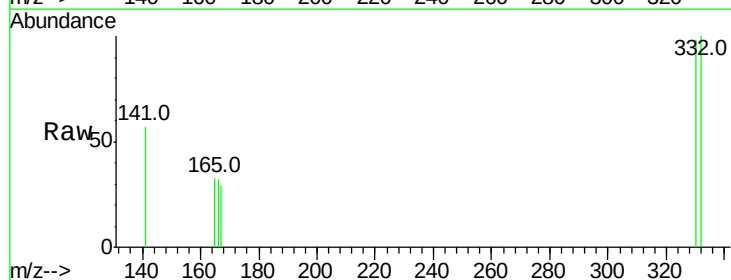
Tgt Ion:330 Resp: 271

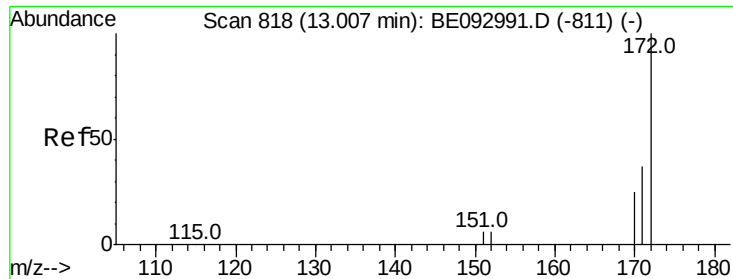
Ion Ratio Lower Upper

330 100

332 95.9 77.7 116.5

141 56.5 56.2 84.4

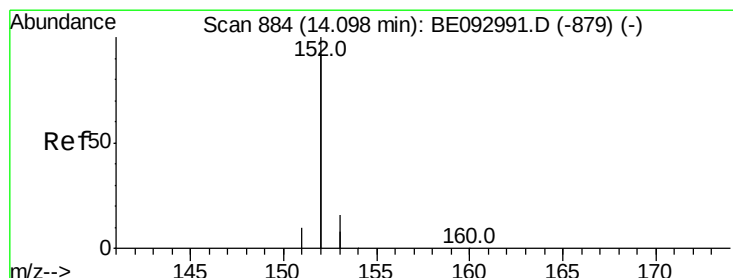
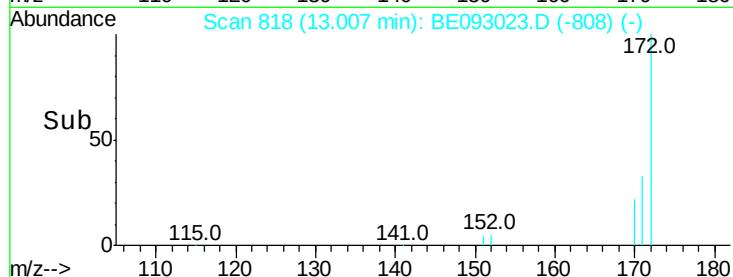
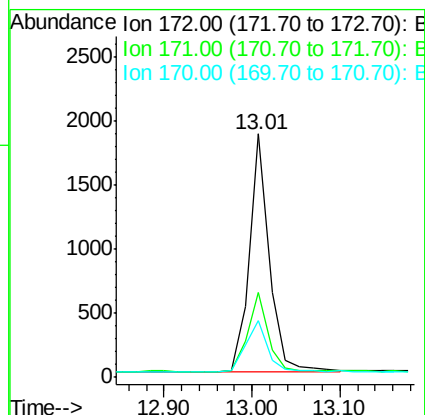
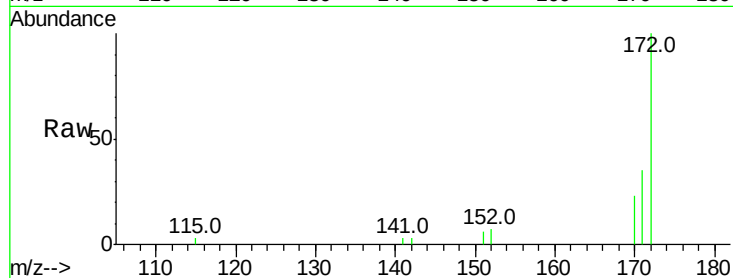




#15
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

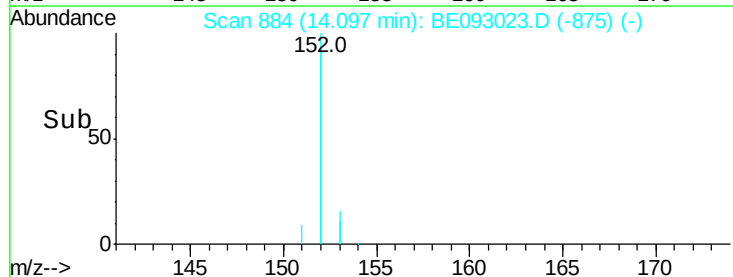
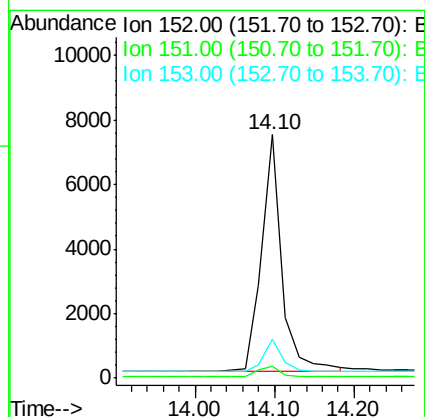
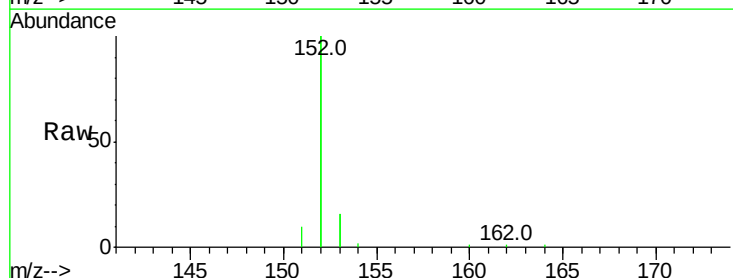
Instrument :
BNA_E
ClientSampleId :

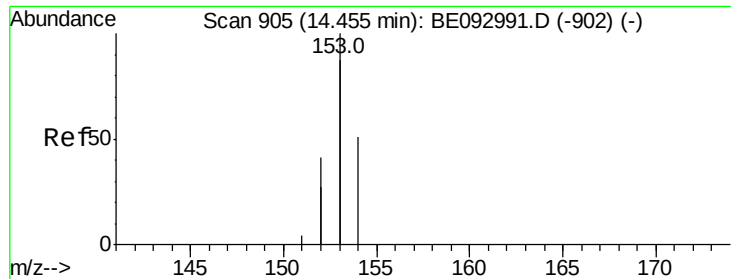
Tot Ion:172 Resp: 2923
Ion Ratio Lower Upper
172 100
171 34.9 29.8 44.6
170 23.5 20.7 31.1



#16
Acenaphthylene
Concen: 0.43 ng
RT: 14.10 min Scan# 884
Delta R.T. -0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:152 Resp: 13206
Ion Ratio Lower Upper
152 100
151 5.0 4.0 6.0
153 13.1 10.3 15.5

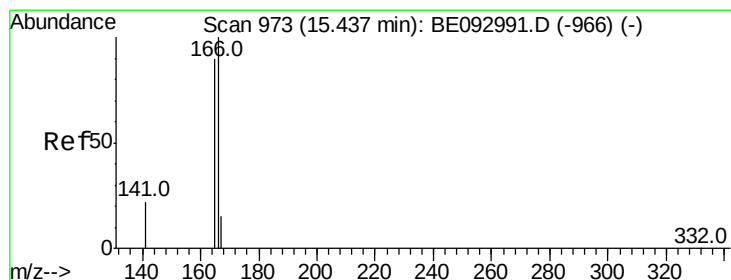
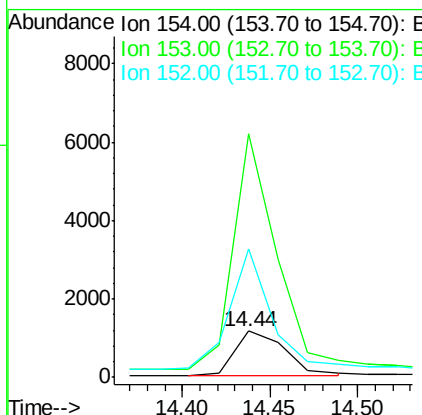
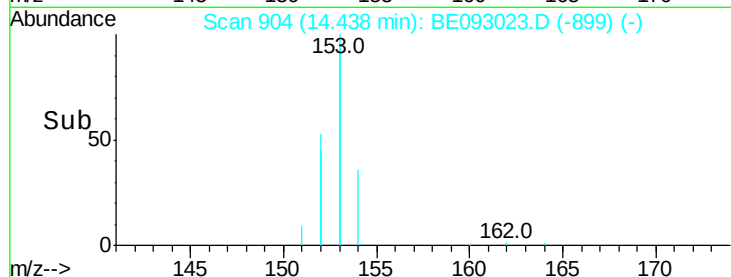
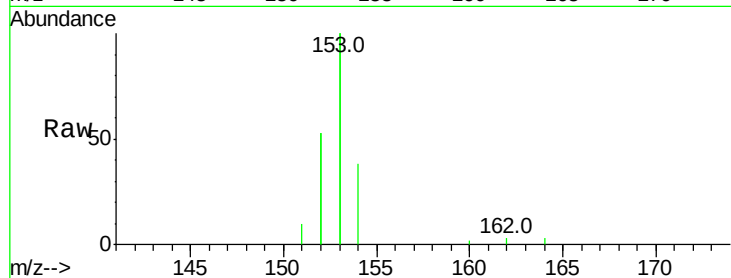




#17
Acenaphthene
Concen: 0.40 ng
RT: 14.44 min Scan# 904
Delta R.T. -0.02 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

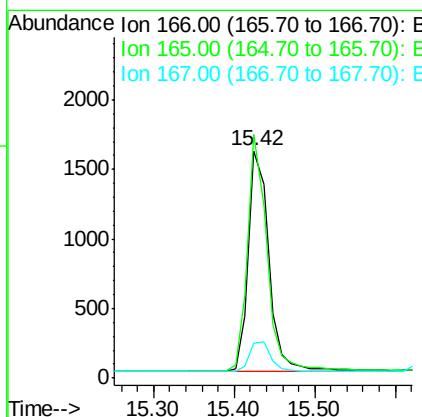
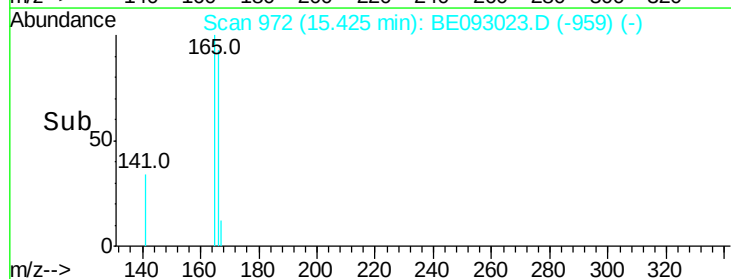
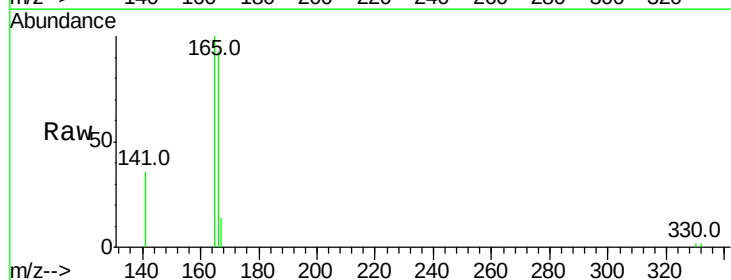
Instrument :
BNA_E
ClientSampled :

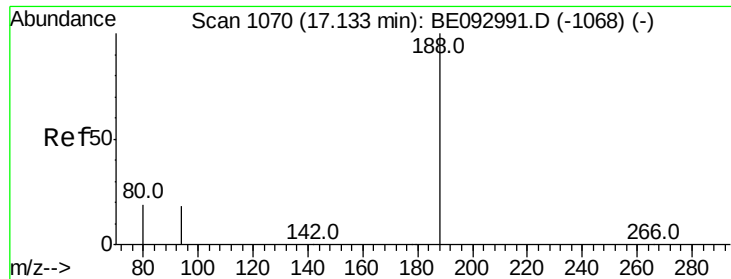
Tot Ion:154 Resp: 2242
Ion Ratio Lower Upper
154 100
153 461.9 367.8 551.6
152 223.6 188.2 282.2



#18
Fluorene
Concen: 0.40 ng
RT: 15.42 min Scan# 972
Delta R.T. -0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:166 Resp: 2822
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 14.3 11.1 16.7

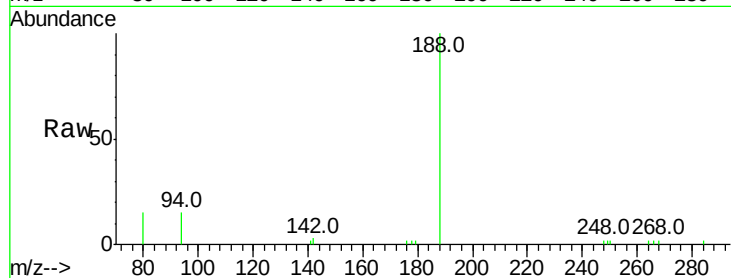




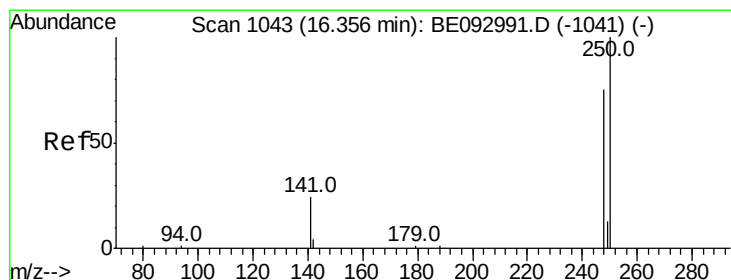
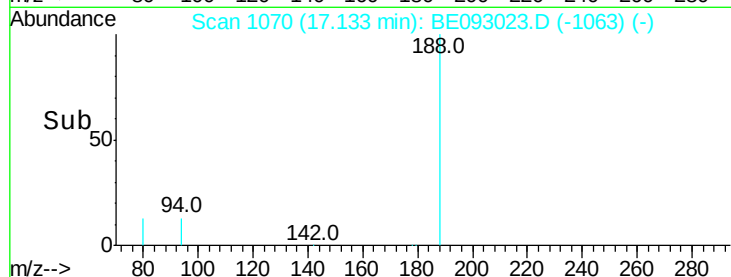
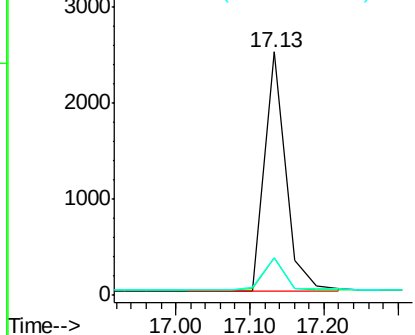
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 4963
Ion Ratio Lower Upper
188 100
94 15.2 11.3 16.9
80 15.4 11.7 17.5

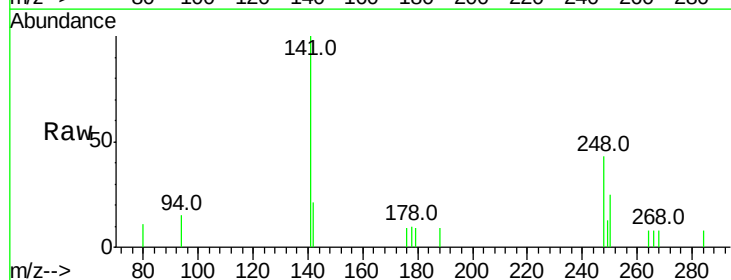


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

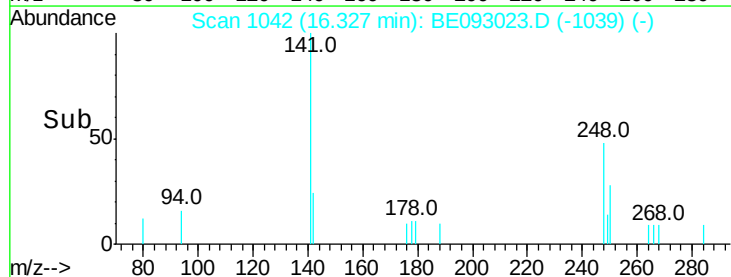
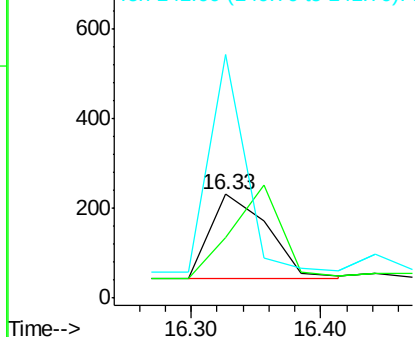


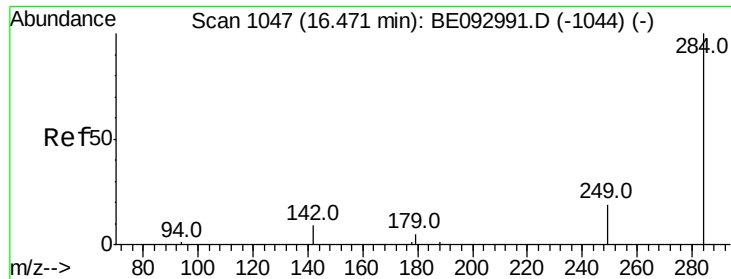
#20
4-Bromophenyl-phenylether
Concen: 0.36 ng
RT: 16.33 min Scan# 1042
Delta R.T. -0.03 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:248 Resp: 575
Ion Ratio Lower Upper
248 100
250 58.4 100.0 150.0#
141 234.6 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

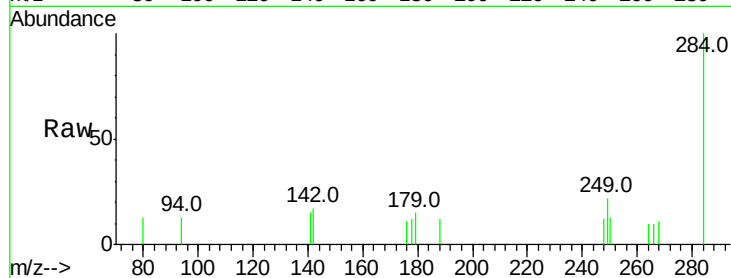




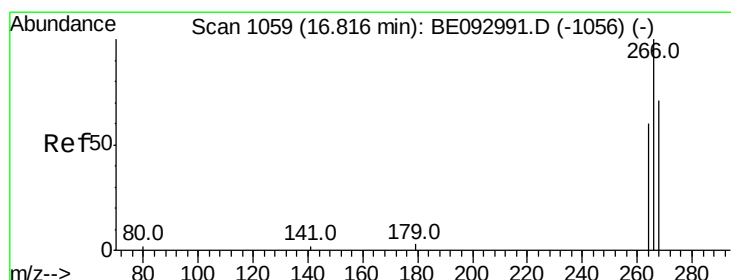
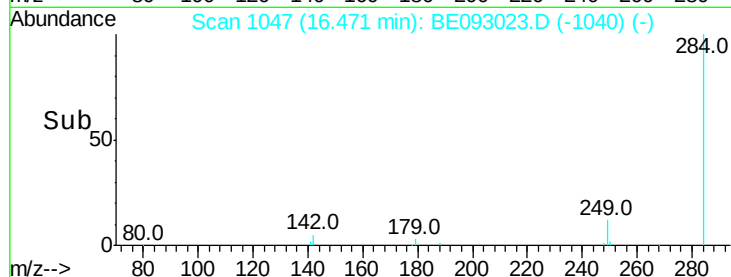
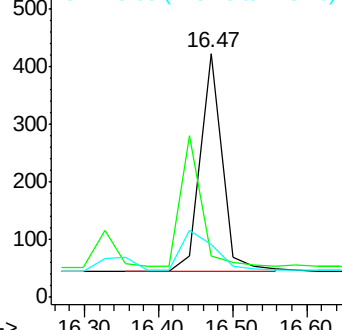
#21
Hexachlorobenzene
Concen: 0.30 ng
RT: 16.47 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 772
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 0.0 0.0 0.0

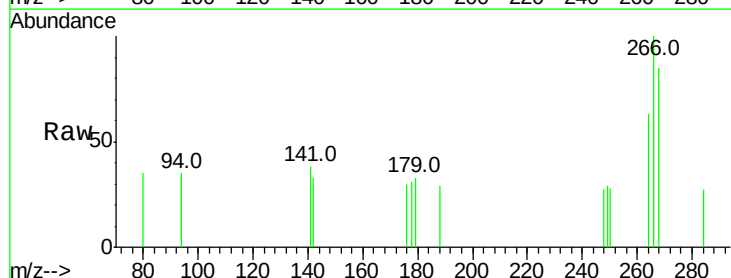


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

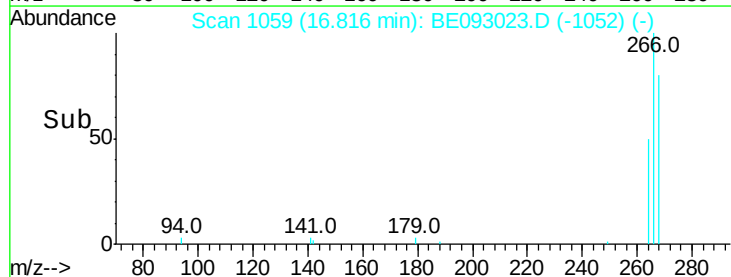
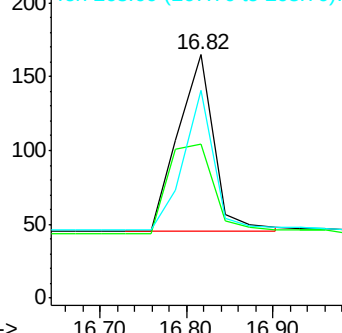


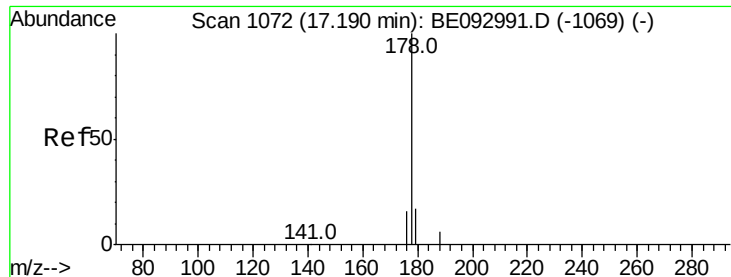
#22
Pentachlorophenol
Concen: 0.63 ng
RT: 16.82 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:266 Resp: 349
Ion Ratio Lower Upper
266 100
264 63.0 58.2 87.2
268 85.5 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

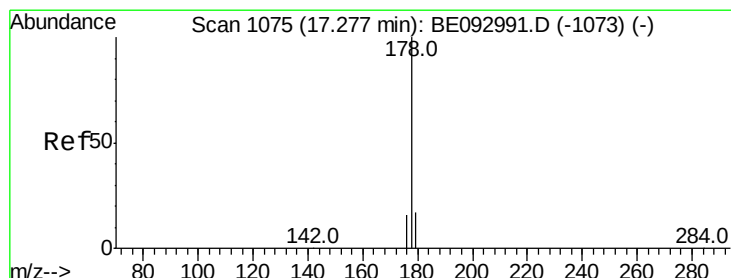
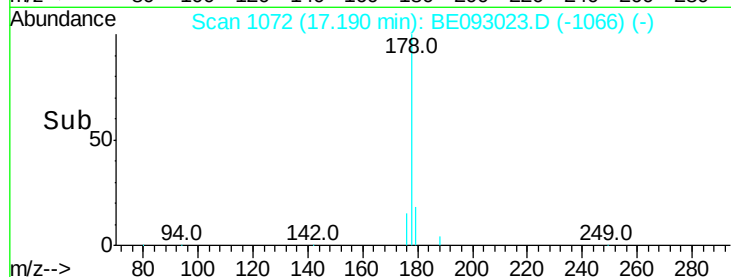
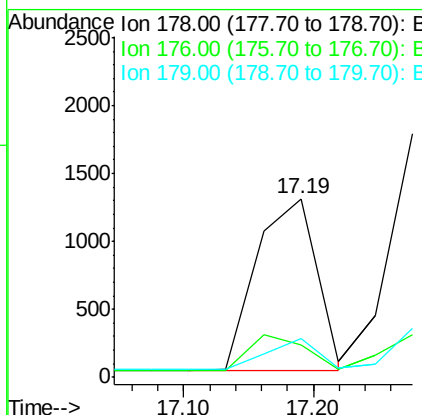
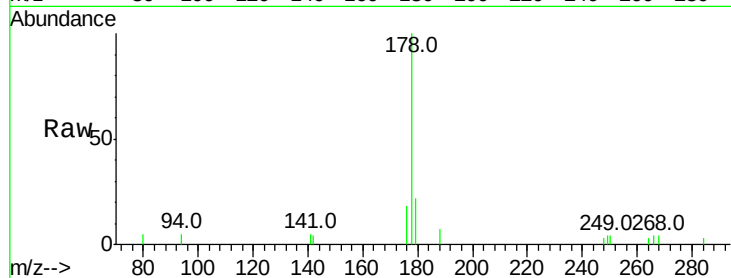




#23
Phenanthrene
Concen: 0.35 ng
RT: 17.19 min Scan# 1072
Delta R.T. 0.01 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

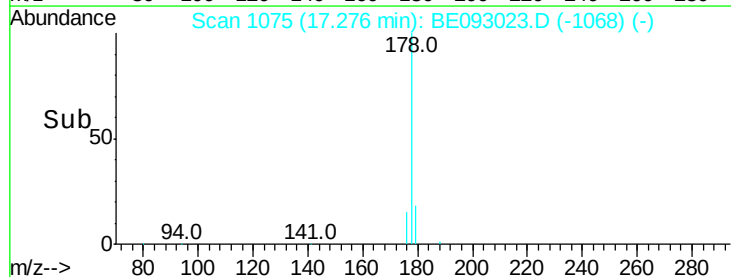
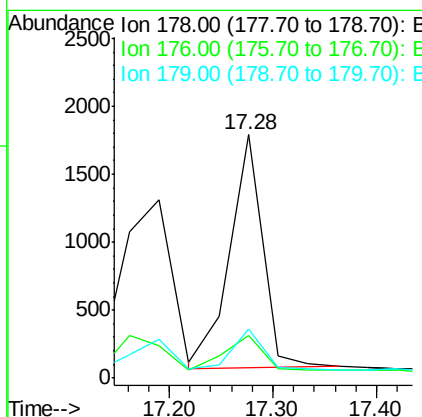
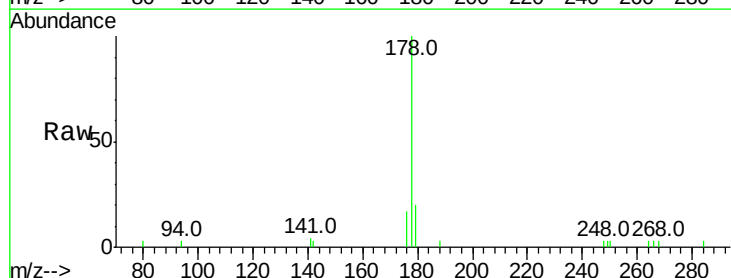
Instrument :
BNA_E
ClientSampled :

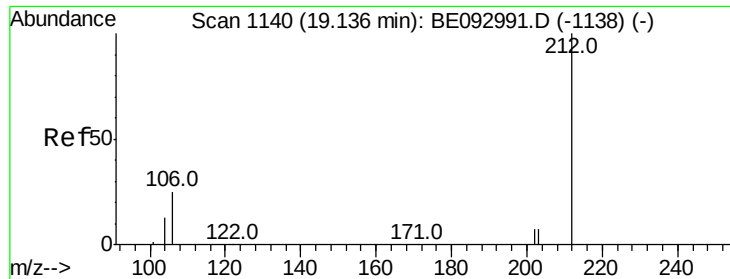
Tot Ion:178 Resp: 4064
Ion Ratio Lower Upper
178 100
176 0.0 15.0 22.4#
179 15.4 12.7 19.1



#24
Anthracene
Concen: 0.37 ng
RT: 17.28 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:178 Resp: 3841
Ion Ratio Lower Upper
178 100
176 17.4 14.6 22.0
179 16.5 12.0 18.0

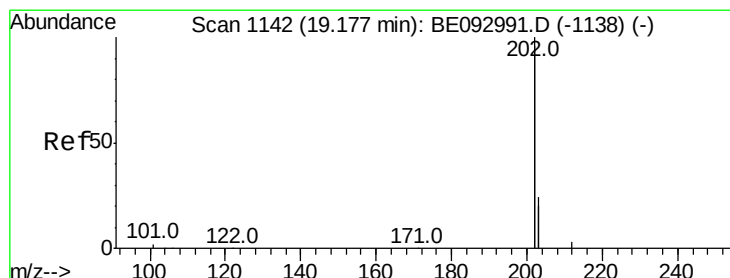
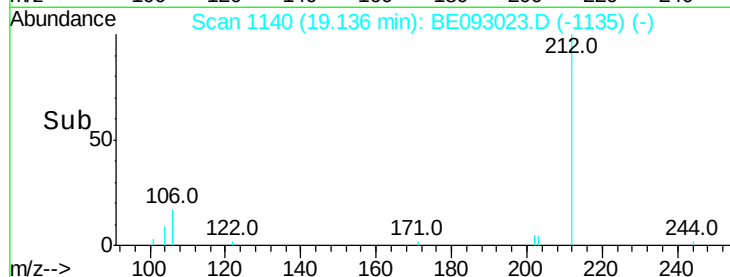
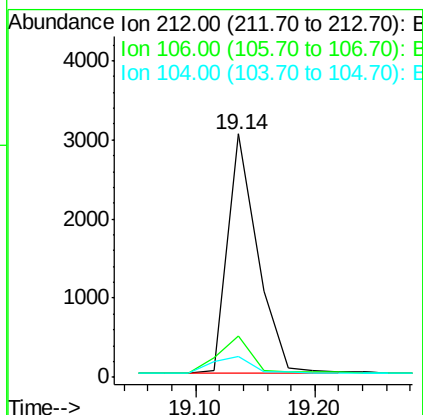
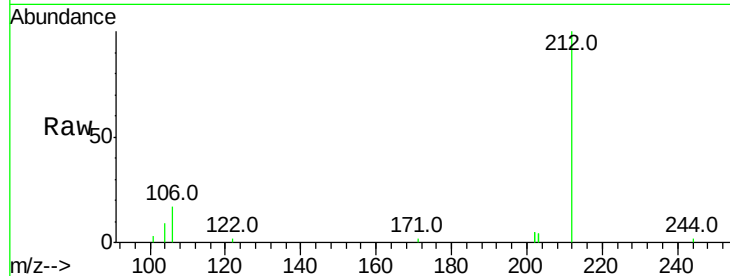




#25
 Fluoranthene-d10
 Concen: 0.40 ng
 RT: 19.14 min Scan# 1140
 Delta R.T. -0.02 min
 Lab File: BE093023.D
 Acq: 12 May 2017 18:15

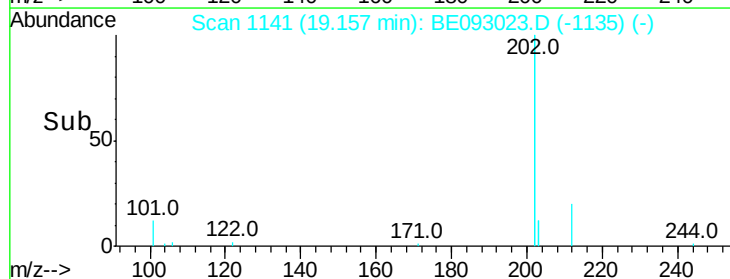
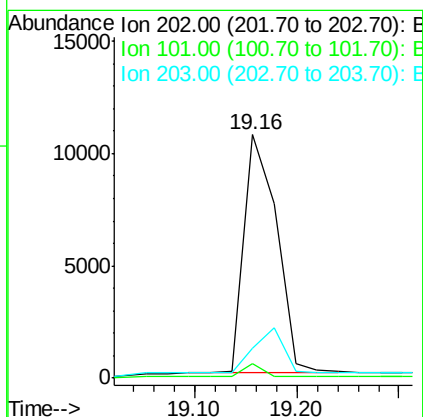
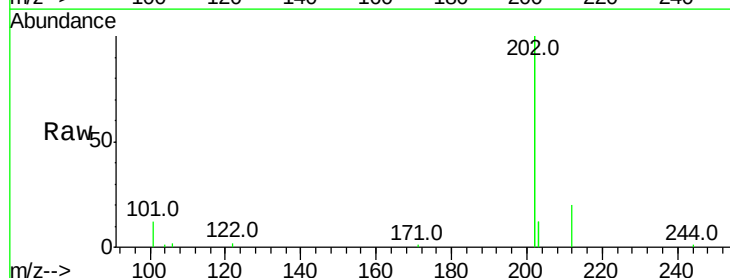
Instrument :
 BNA_E
 ClientSampleId :

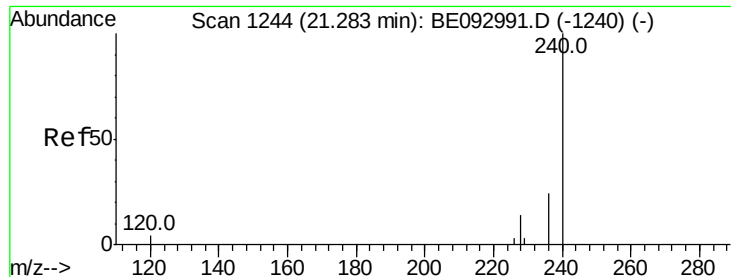
Tot Ion:212 Resp: 5270
 Ion Ratio Lower Upper
 212 100
 106 16.1 0.0 0.0#
 104 8.7 0.0 0.0#



#26
 Fluoranthene
 Concen: 0.37 ng
 RT: 19.16 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BE093023.D
 Acq: 12 May 2017 18:15

Tgt Ion:202 Resp: 23642
 Ion Ratio Lower Upper
 202 100
 101 3.9 0.0 0.0#
 203 0.0 14.4 21.6#

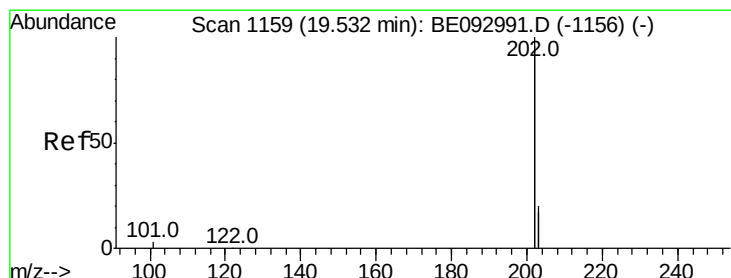
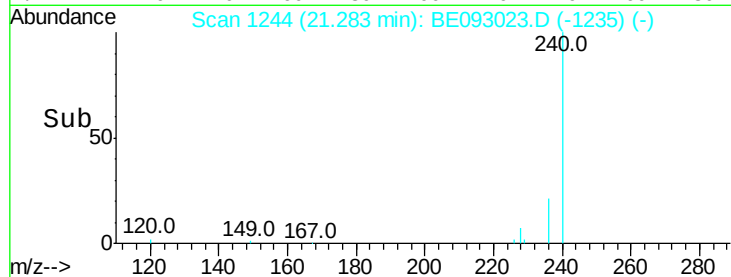
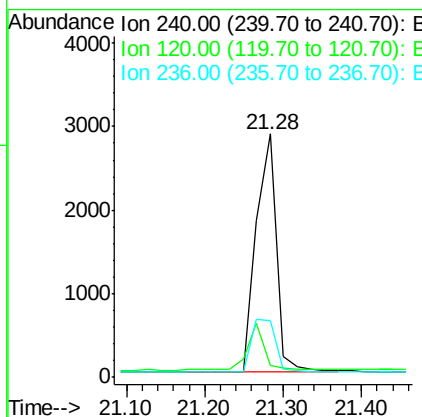
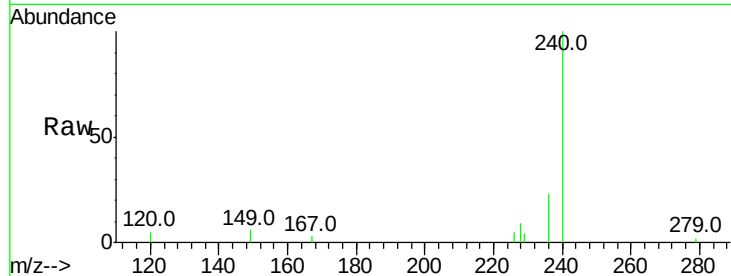




#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

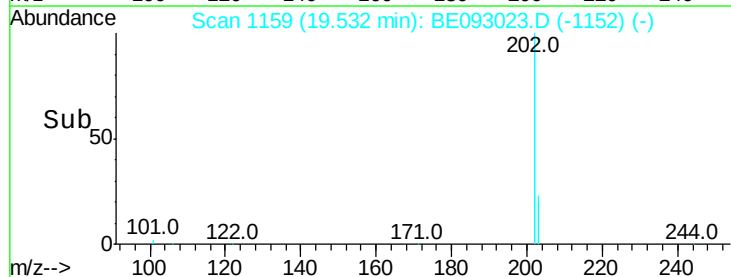
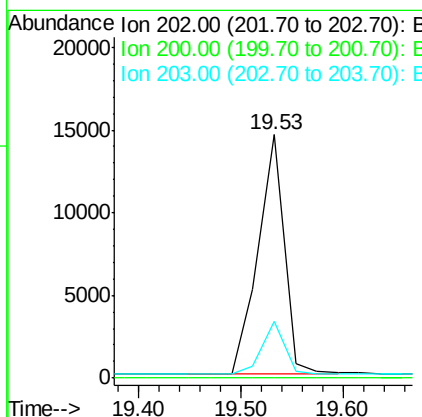
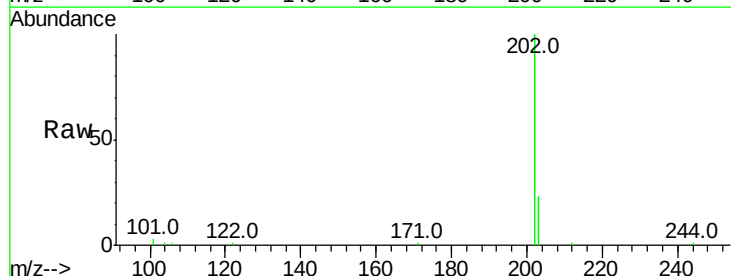
Instrument :
BNA_E
ClientSampleId :

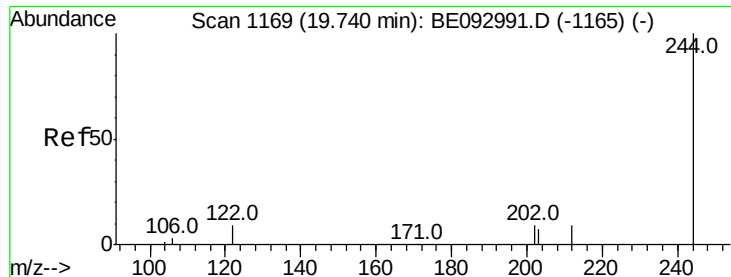
Tot Ion:240 Resp: 5208
Ion Ratio Lower Upper
240 100
120 4.9 4.6 7.0
236 23.1 20.8 31.2



#28
Pyrene
Concen: 0.39 ng
RT: 19.53 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:202 Resp: 25600
Ion Ratio Lower Upper
202 100
200 0.0 0.0 0.0
203 18.9 13.7 20.5





#29

Terphenyl-d14

Concen: 0.41 ng

RT: 19.74 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

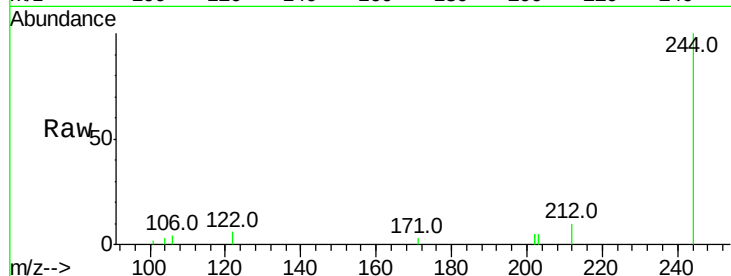
Tot Ion:244 Resp: 3821

Ion Ratio Lower Upper

244 100

212 10.0 10.6 16.0#

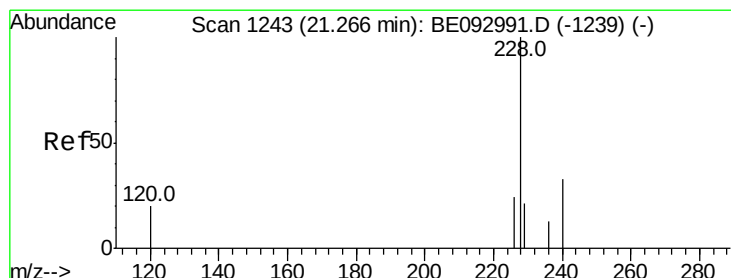
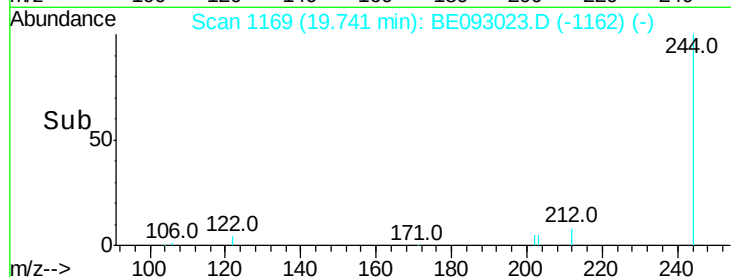
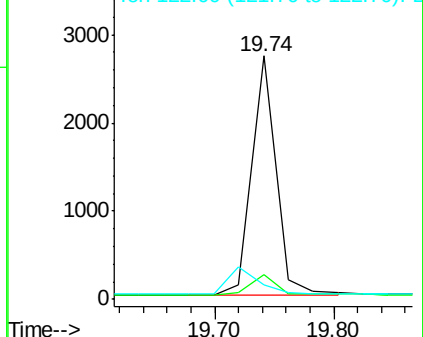
122 6.1 15.4 23.0#



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: 0.46 ng

RT: 21.25 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

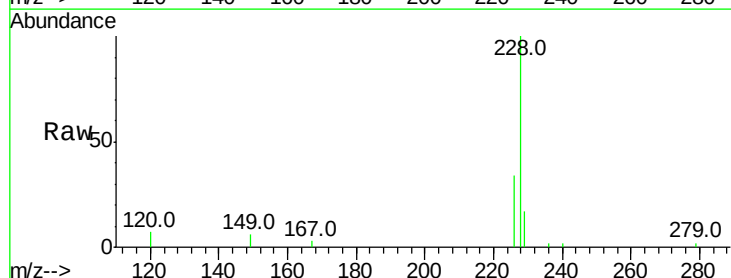
Tgt Ion:228 Resp: 5887

Ion Ratio Lower Upper

228 100

226 34.1 19.7 29.5#

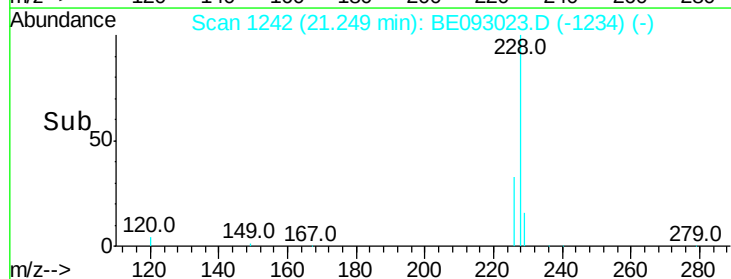
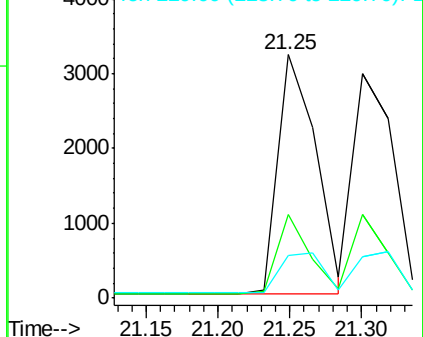
229 17.5 19.2 28.8#

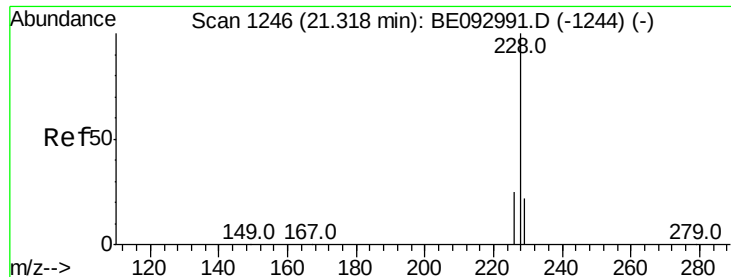


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.36 ng

RT: 21.30 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

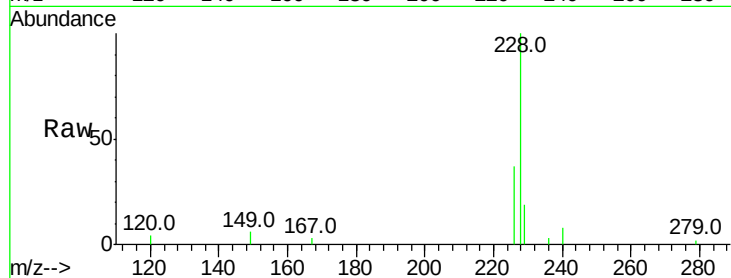
Tot Ion:228 Resp: 5815

Ion Ratio Lower Upper

228 100

226 37.3 21.5 32.3#

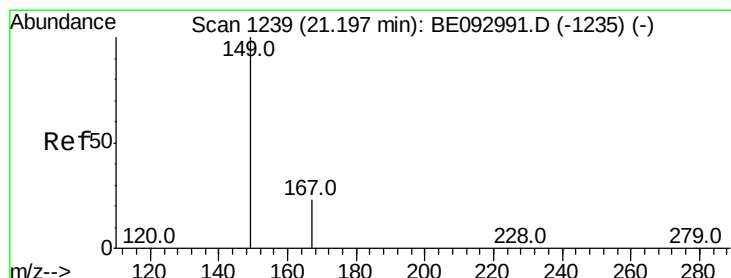
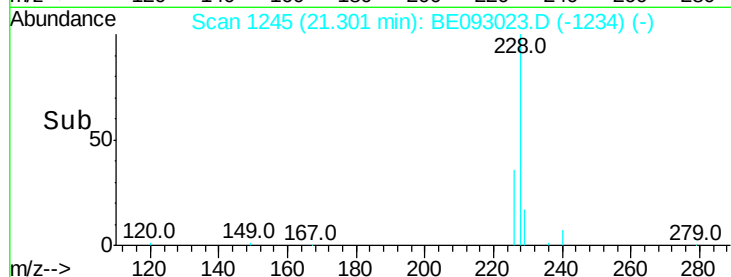
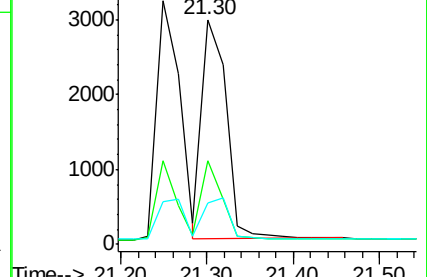
229 18.6 18.6 28.0#



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: 0.99 ng

RT: 21.20 min Scan# 1239

Delta R.T. -0.00 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

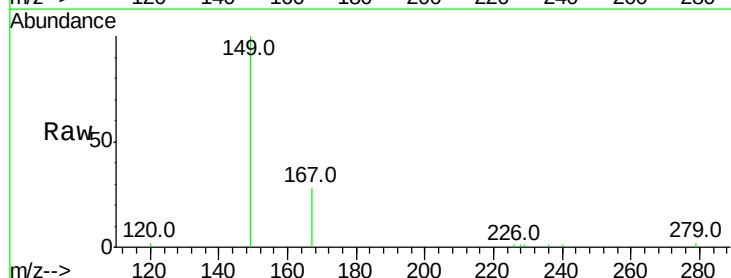
Tgt Ion:149 Resp: 5703

Ion Ratio Lower Upper

149 100

167 27.0 20.1 30.1

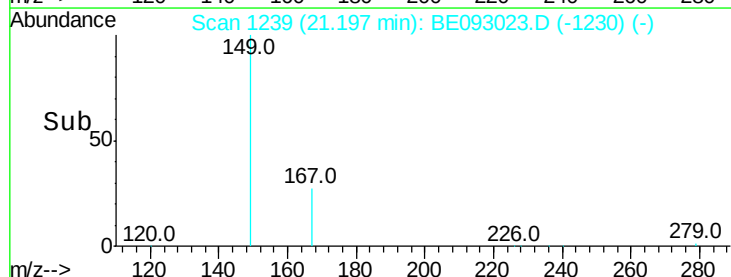
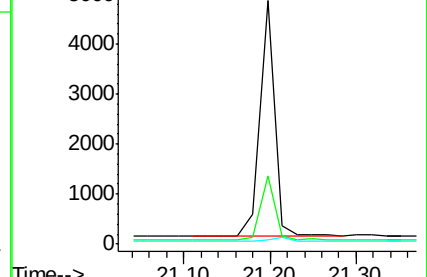
279 2.6 2.2 3.4

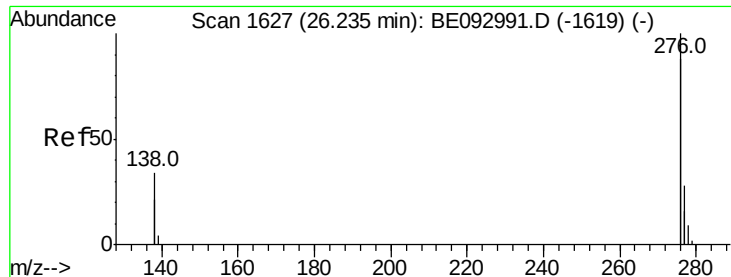


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.46 ng

RT: 26.22 min Scan# 1626

Delta R.T. -0.02 min

Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :

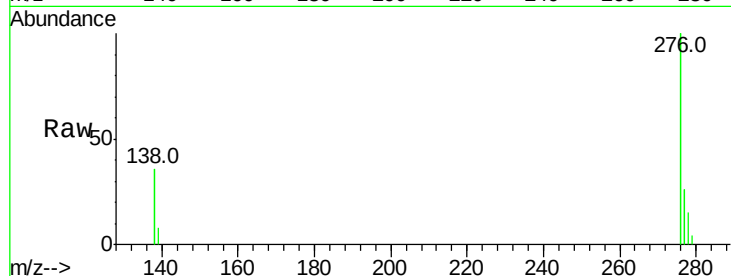
Tot Ion:276 Resp: 23436

Ion Ratio Lower Upper

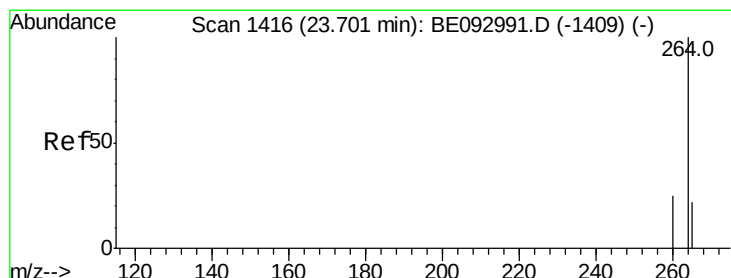
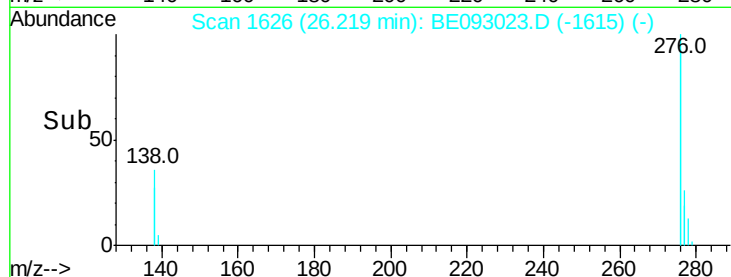
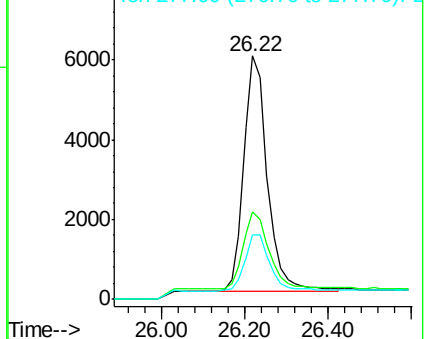
276 100

138 35.2 27.4 41.2

277 25.0 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: BE093023.D

Acq: 12 May 2017 18:15

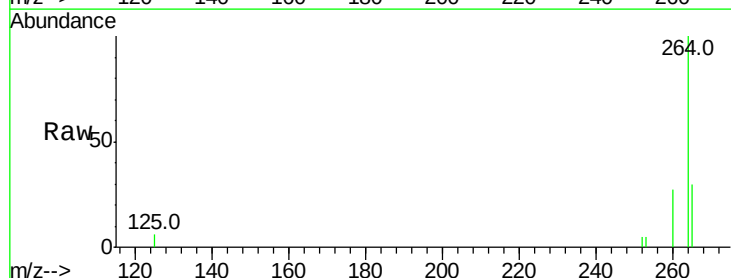
Tgt Ion:264 Resp: 4681

Ion Ratio Lower Upper

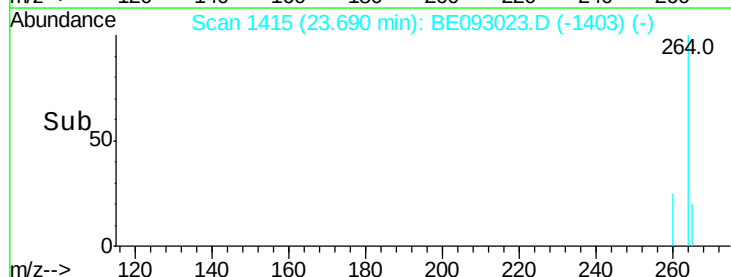
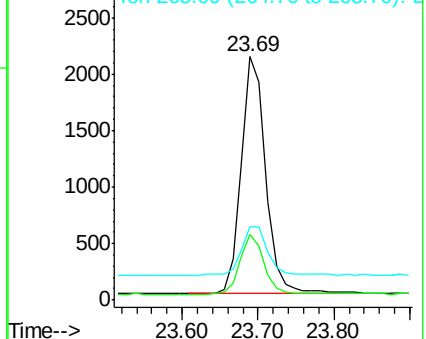
264 100

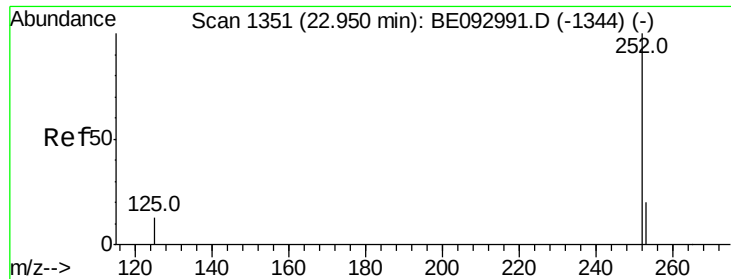
260 27.1 21.0 31.4

265 30.1 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

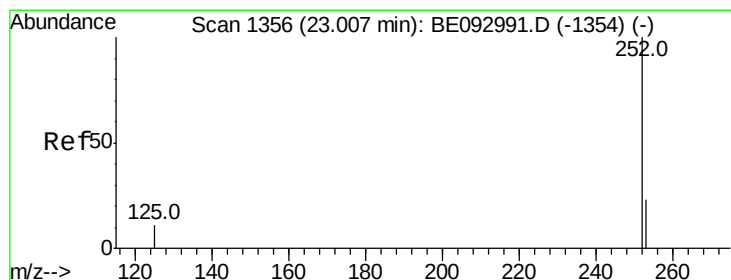
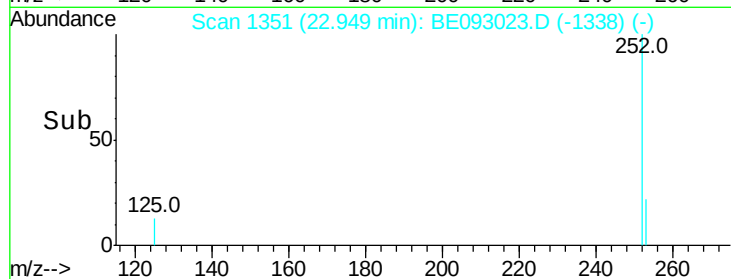
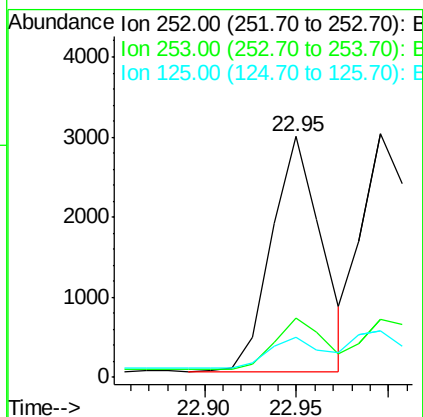
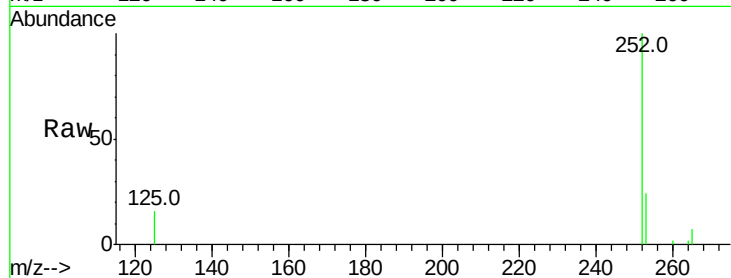




#35
Benzo(b)fluoranthene
Concen: 0.37 ng
RT: 22.95 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

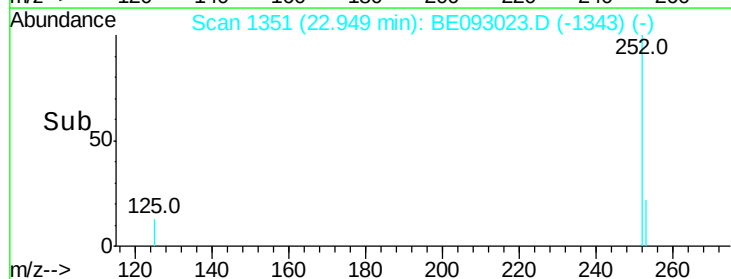
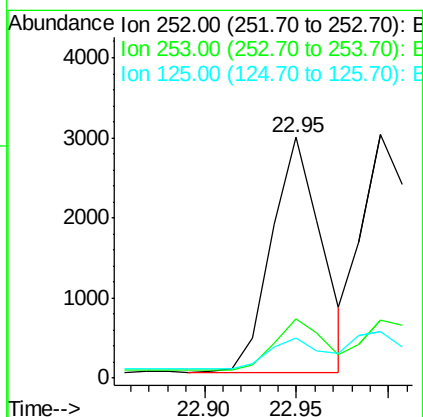
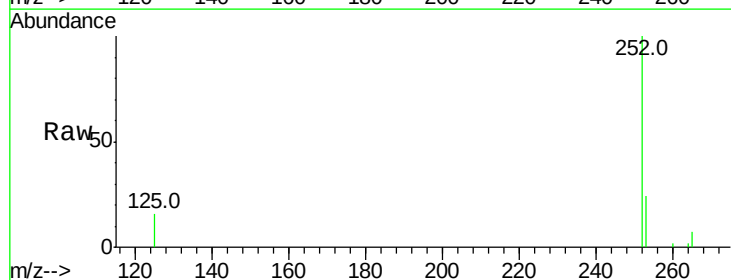
Instrument :
BNA_E
ClientSampleId :

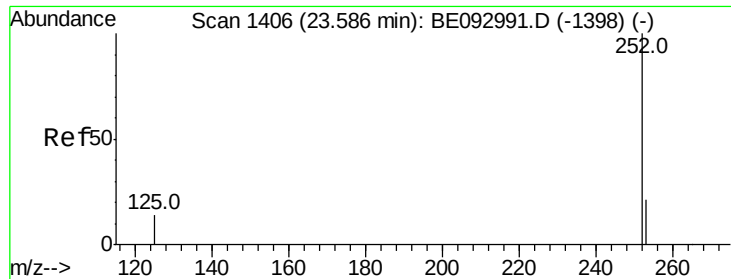
Tot Ion:252 Resp: 5514
Ion Ratio Lower Upper
252 100
253 24.5 18.5 27.7
125 16.4 13.4 20.0



#36
Benzo(k)fluoranthene
Concen: 0.37 ng
RT: 22.95 min Scan# 1351
Delta R.T. -0.06 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:252 Resp: 5514
Ion Ratio Lower Upper
252 100
253 24.5 20.3 30.5
125 16.4 12.2 18.4

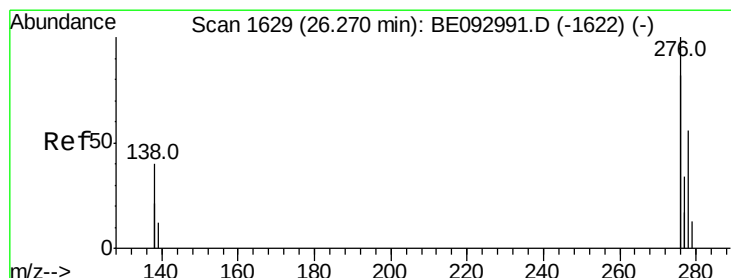
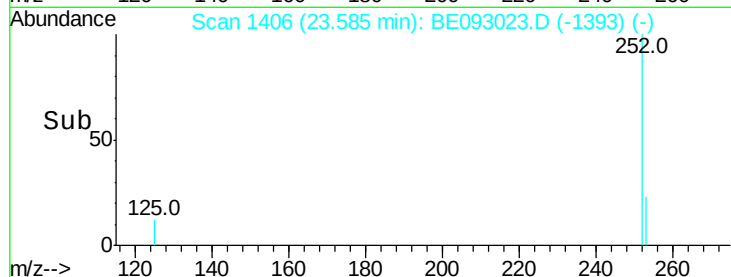
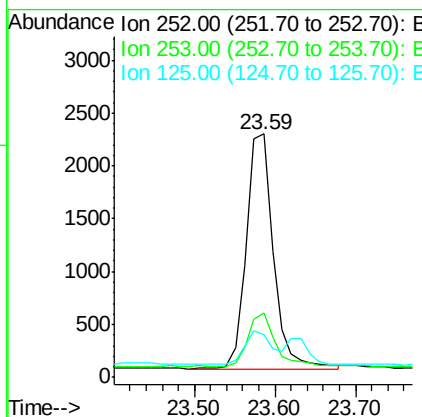
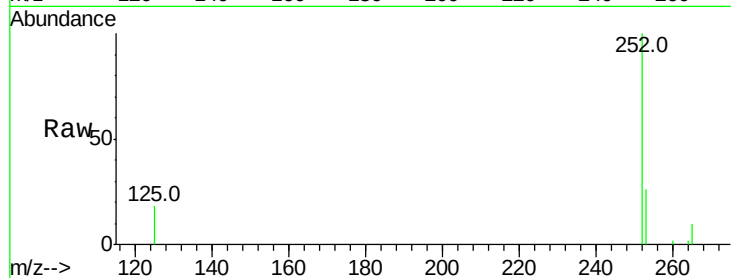




#37
Benzo(a)pyrene
Concen: 0.40 ng
RT: 23.59 min Scan# 1406
Delta R.T. 0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

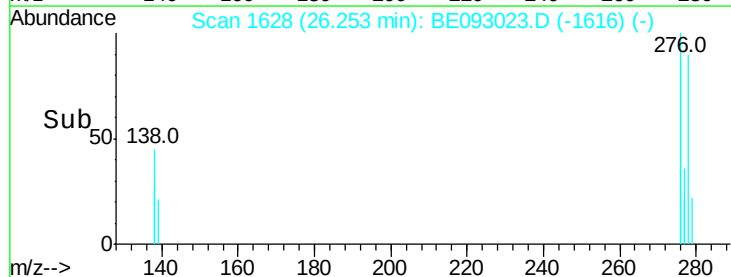
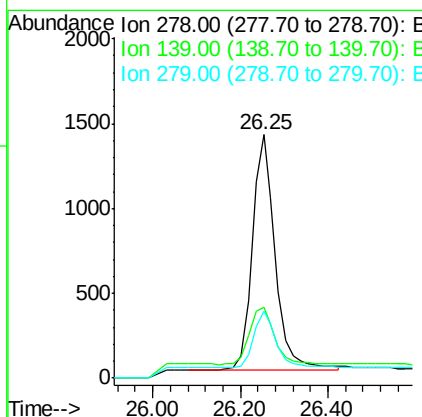
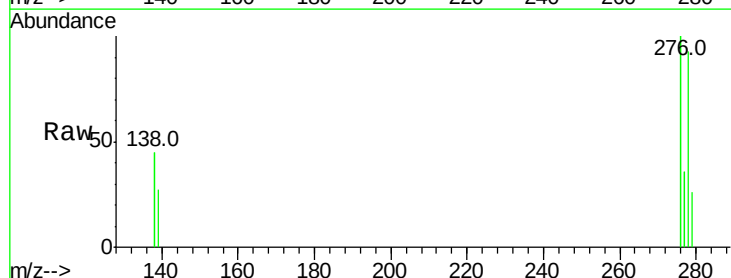
Instrument :
BNA_E
ClientSampleId :

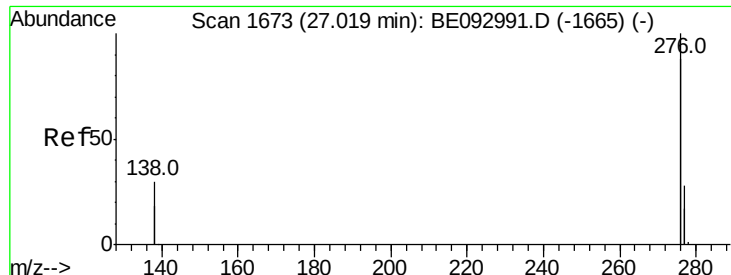
Tot Ion:252 Resp: 5200
Ion Ratio Lower Upper
252 100
253 26.3 19.9 29.9
125 17.8 14.6 21.8



#38
Dibenzo(a,h)anthracene
Concen: 0.42 ng
RT: 26.25 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE093023.D
Acq: 12 May 2017 18:15

Tgt Ion:278 Resp: 5015
Ion Ratio Lower Upper
278 100
139 28.9 21.4 32.0
279 27.6 22.2 33.2





#39

Benzo(a,h,i)perylene

Concen: 0.38 ng

RT: 27.00 min Scan# 1672

Delta R.T. 0.00 min

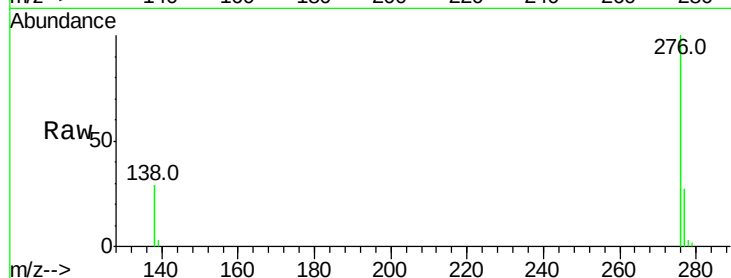
Lab File: BE093023.D

Acq: 12 May 2017 18:15

Instrument :

BNA_E

ClientSampleId :



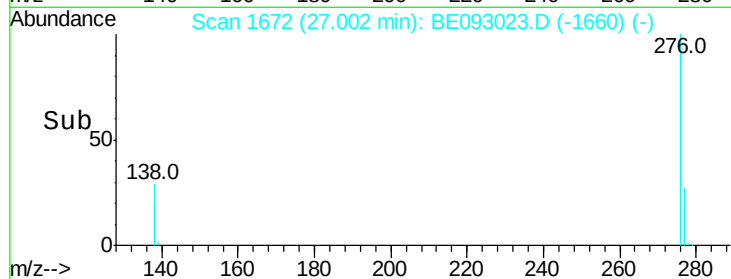
Tot Ion: 276 Resp: 20694

Ion Ratio Lower Upper

276 100

277 27.1 21.2 31.8

138 29.3 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

