

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102315\
 Data File : BE091045.D
 Acq On : 23 Oct 2015 22:08
 Operator : UM/NP
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 23 23:47:26 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 17:11:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	16064	5.00	ng	-0.05
7) Naphthalene-d8	9.58	136	74470	5.00	ng	-0.05
13) Acenaphthene-d10	13.41	164	44353	5.00	ng	-0.05
19) Phenanthrene-d10	16.13	188	116024	5.00	ng	-0.05
26) Chrysene-d12	20.29	240	148354	5.00	ng	-0.05
35) Perylene-d12	22.19	264	147224	5.00	ng	-0.06

System Monitoring Compounds						
4) 2-Fluorophenol	4.93	112	4256	1.37	ng	-0.07
5) Phenol-d6	6.56	99	5610	1.36	ng	-0.07
8) Nitrobenzene-d5	8.17	82	6284	1.41	ng	-0.06
14) 2,4,6-Tribromophenol	14.93	330	1795	1.31	ng	-0.05
15) 2-Fluorobiphenyl	12.04	172	11352	0.94	ng	-0.06
29) Terphenyl-d14	18.69	244	21568	1.20	ng	-0.05

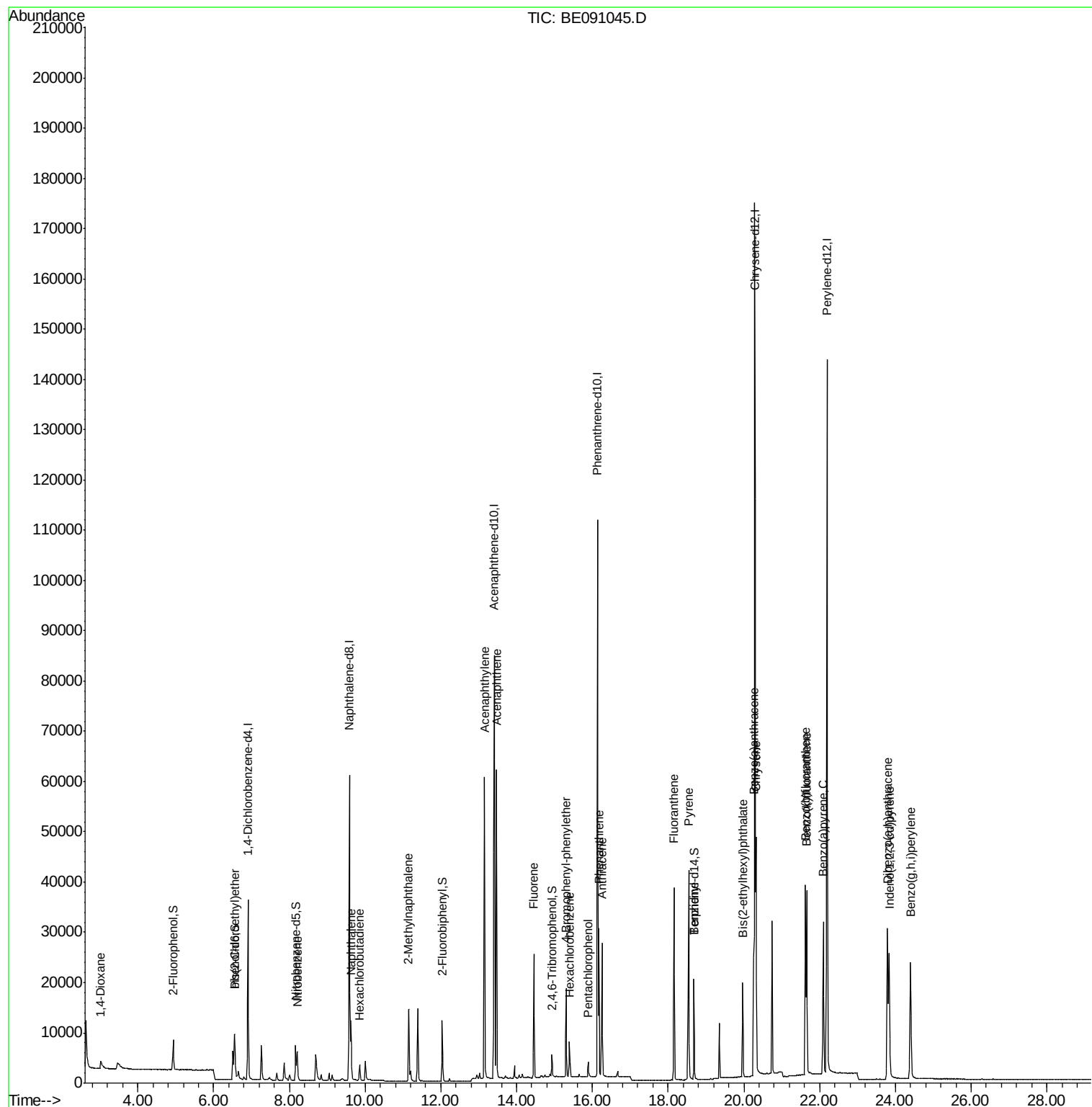
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.03	88	2194	0.86	ng	90
3) n-Nitrosodimethylamine	3.75	42	55	Below Cal	#	1
6) bis(2-Chloroethyl)ether	6.55	93	7781	1.81	ng	# 28
9) Nitrobenzene	8.21	77	6631	1.40	ng	96
10) Naphthalene	9.62	128	15444	1.01	ng	99
11) Hexachlorobutadiene	9.86	225	2219	0.84	ng	99
12) 2-Methylnaphthalene	11.16	142	10349	1.10	ng	98
16) Acenaphthylene	13.15	152	75716	1.02	ng	100
17) Acenaphthene	13.47	154	11428	0.97	ng	92
18) Fluorene	14.46	166	14954	1.02	ng	99
20) 4-Bromophenyl-phenylether	15.31	248	4022	0.92	ng	82
21) Hexachlorobenzene	15.40	284	4374	0.11	ng	94
22) Pentachlorophenol	15.89	266	1934	1.47	ng	93
23) Phenanthrene	16.17	178	27801	1.00	ng	100
24) Anthracene	16.25	178	26415	1.06	ng	98
25) Fluoranthene	18.16	202	33693	1.09	ng	99
27) Benzidine	18.68	184	599	0.19	ng	98
28) Pyrene	18.54	202	35479	1.03	ng	100
30) Benzo(a)anthracene	20.26	228	36018	1.09	ng	99
32) Chrysene	20.32	228	36557	0.92	ng	99
33) Bis(2-ethylhexyl)phthalate	19.97	149	17176	1.50	ng	98
34) Indeno(1,2,3-cd)pyrene	23.83	276	35914	1.06	ng	# 92
36) Benzo(b)fluoranthene	21.63	252	35960	1.11	ng	97
37) Benzo(k)fluoranthene	21.66	252	35836	0.84	ng	98
38) Benzo(a)pyrene	22.10	252	33139	1.10	ng	98
39) Dibenzo(a,h)anthracene	23.79	278	35010	1.18	ng	99
40) Benzo(g,h,i)perylene	24.40	276	36578	1.13	ng	98

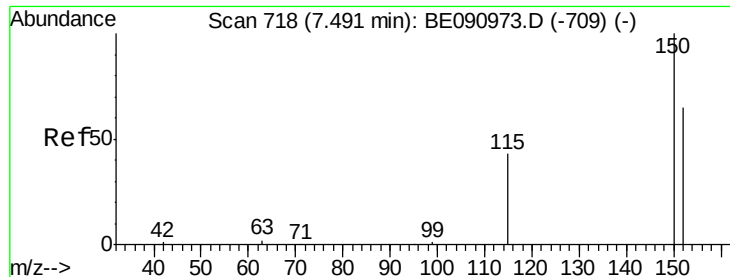
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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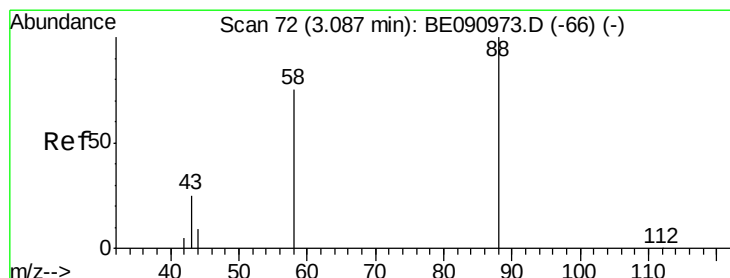
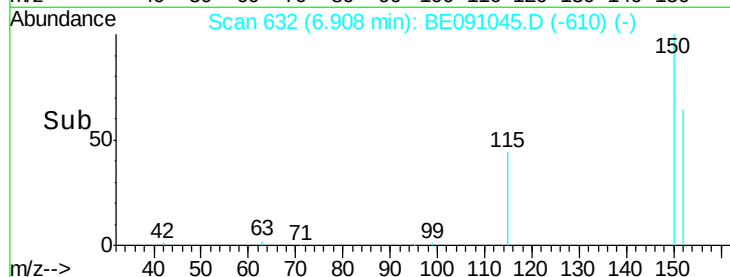
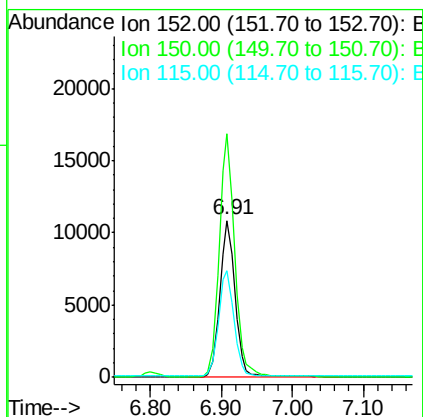
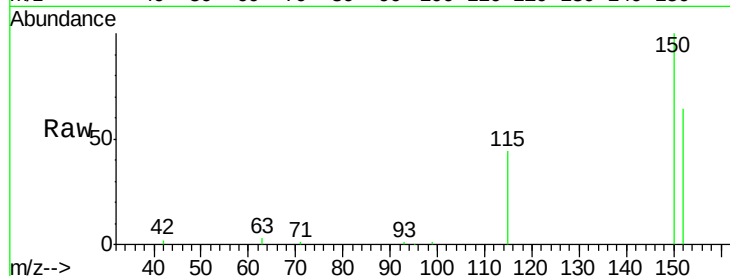


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.91 min Scan# 632
Delta R.T. -0.05 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Instrument :
BNA_E
ClientSampled :

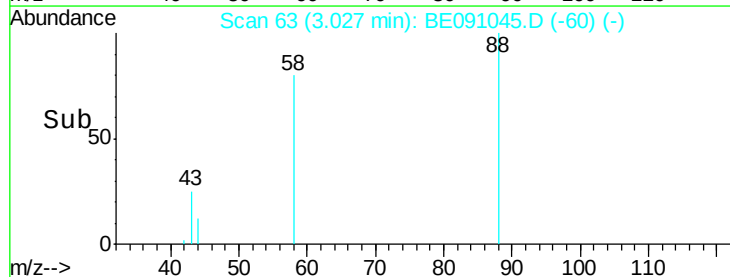
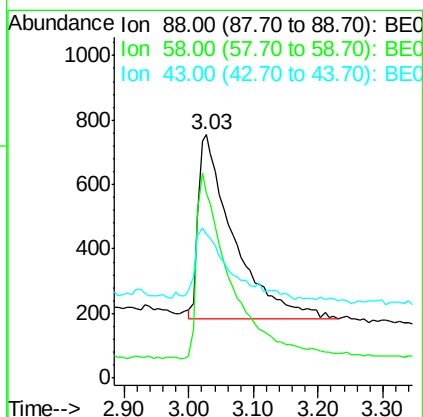
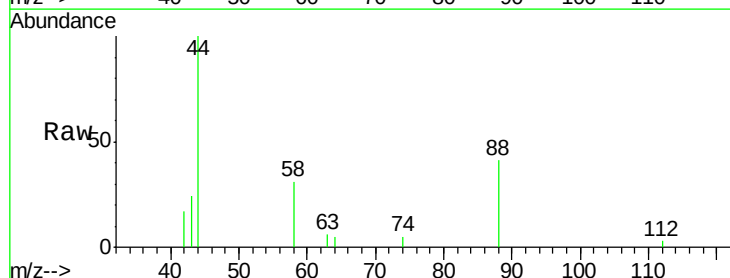
Tot Ion:152 Resp: 16064
Ion Ratio Lower Upper
152 100
150 155.4 122.6 183.8
115 68.4 52.8 79.2

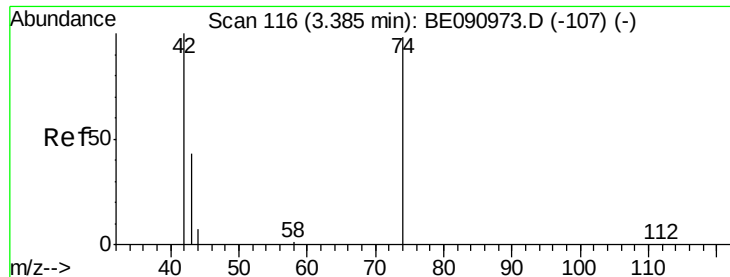


#2

1,4-Dioxane
Concen: 0.86 ng
RT: 3.03 min Scan# 63
Delta R.T. -0.18 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion: 88 Resp: 2194
Ion Ratio Lower Upper
88 100
58 92.1 65.8 98.6
43 34.9 25.3 37.9



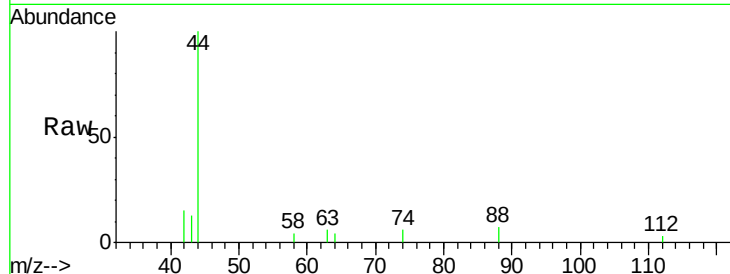


#3

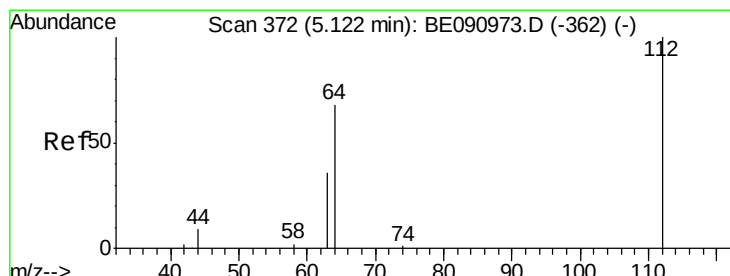
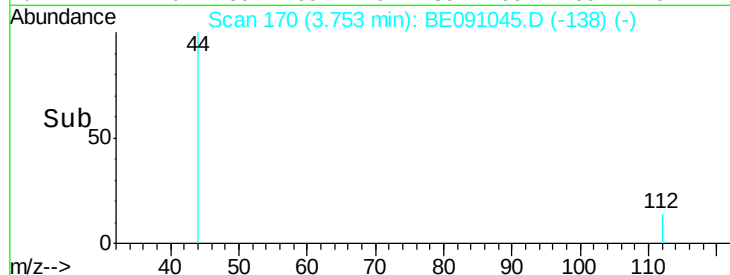
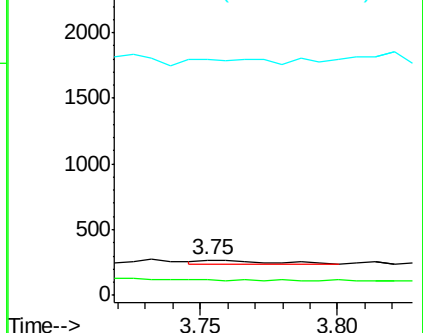
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.75 min Scan# 170
Delta R.T. 0.02 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
74 0.0 87.9 131.9#
44 192.7 6.6 9.8#



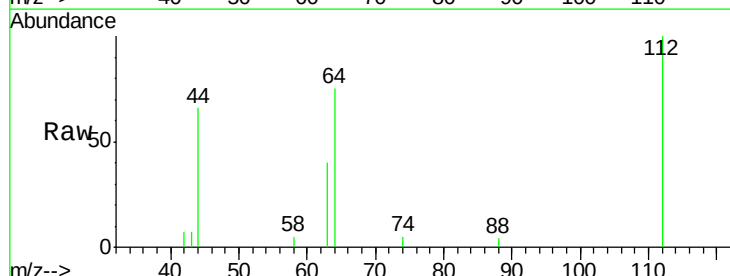
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



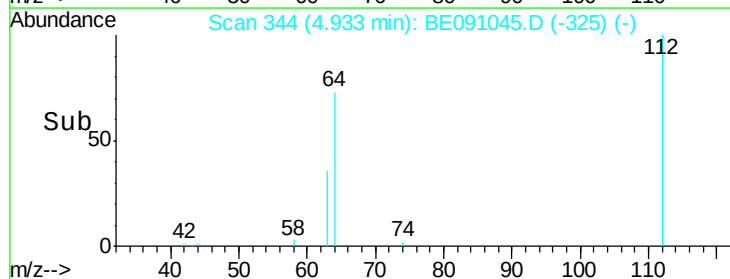
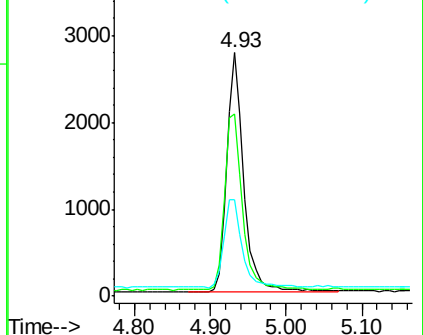
#4

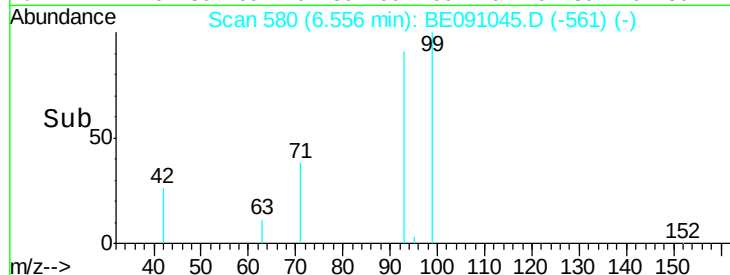
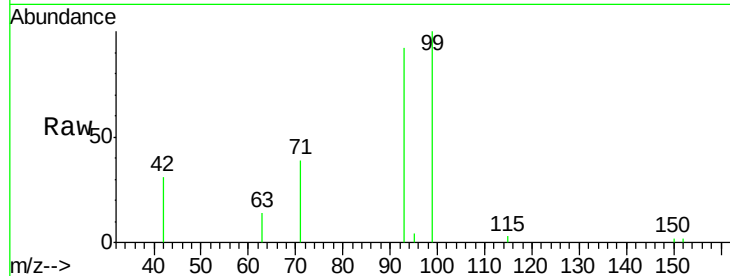
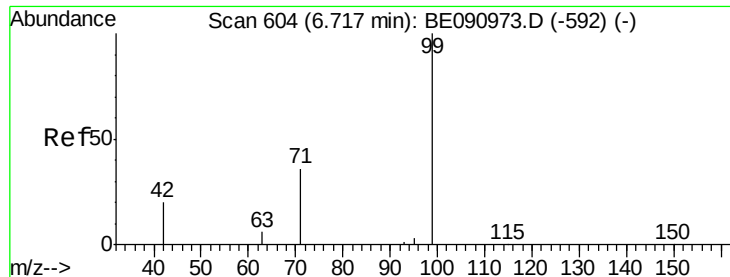
2-Fluorophenol
Concen: 1.37 ng
RT: 4.93 min Scan# 344
Delta R.T. -0.07 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion: 112 Resp: 4256
Ion Ratio Lower Upper
112 100
64 77.9 30.9 46.3#
63 39.3 16.7 25.1#



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: 1.36 ng

RT: 6.56 min Scan# 580

Delta R.T. -0.07 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

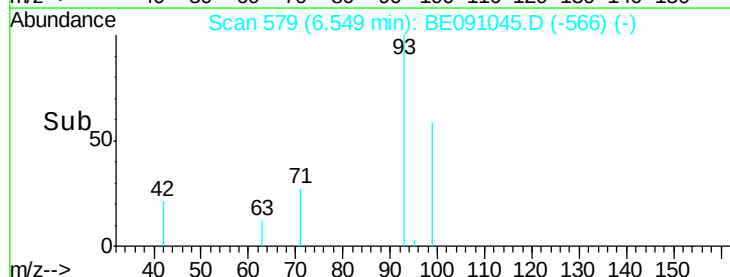
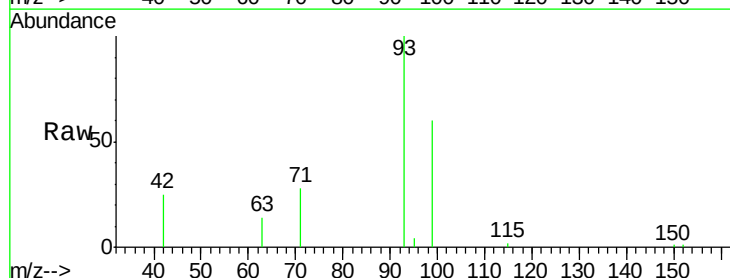
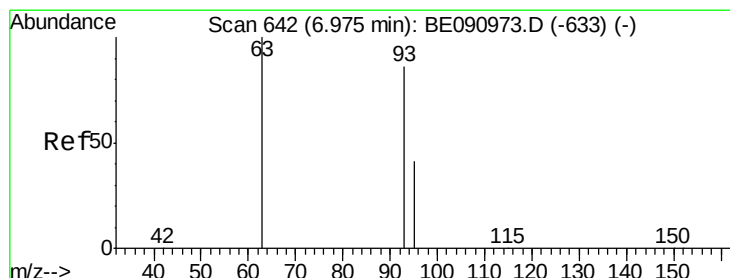
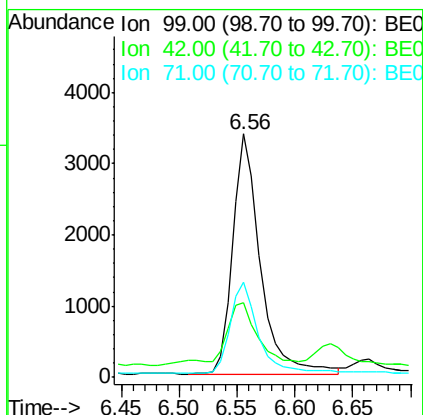
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 99 Resp: 5610

Ion	Ratio	Lower	Upper
99	100		
42	28.9	16.2	24.2#
71	37.5	29.0	43.4



#6

bis(2-Chloroethyl)ether

Concen: 1.81 ng

RT: 6.55 min Scan# 579

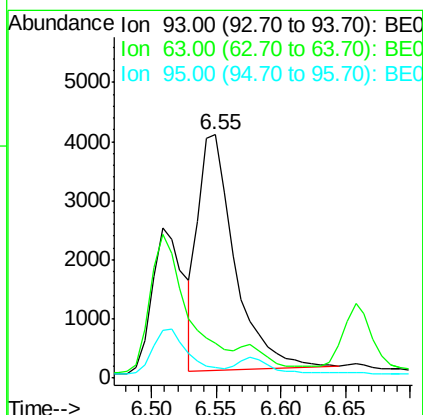
Delta R.T. -0.11 min

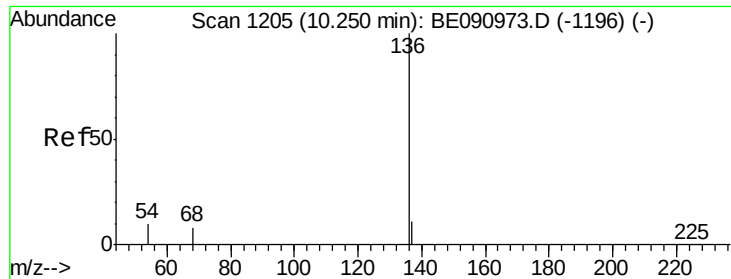
Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Tgt Ion: 93 Resp: 7781

Ion	Ratio	Lower	Upper
93	100		
63	0.0	49.5	74.3#
95	0.0	22.2	33.4#





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 9.58 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 74470

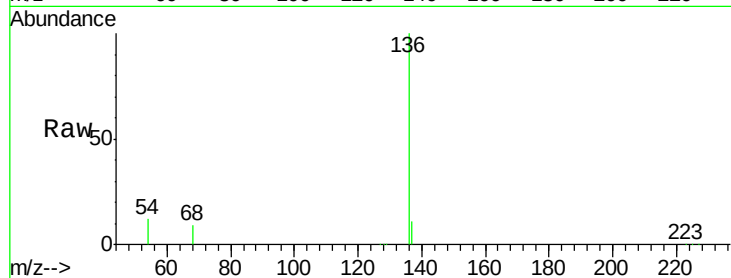
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 12.5 8.2 12.4#

68 8.5 6.2 9.4

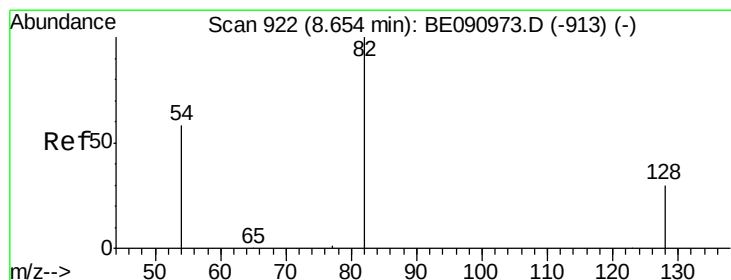
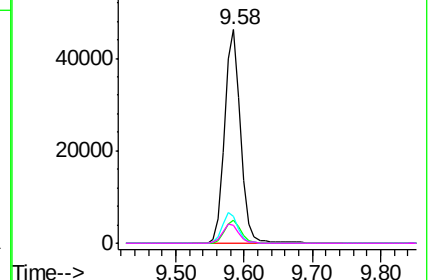
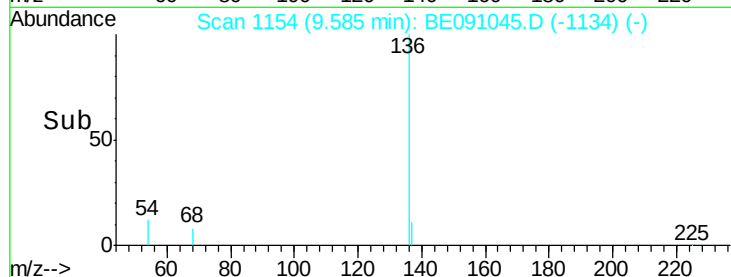


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.41 ng

RT: 8.17 min Scan# 863

Delta R.T. -0.06 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

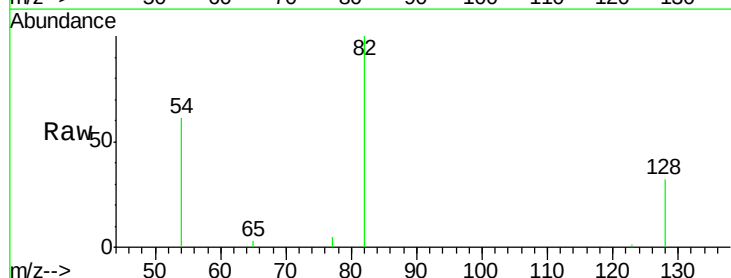
Tgt Ion: 82 Resp: 6284

Ion Ratio Lower Upper

82 100

128 31.5 25.4 38.0

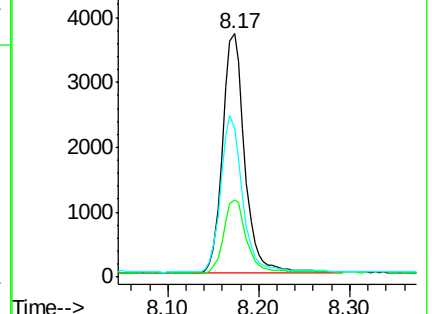
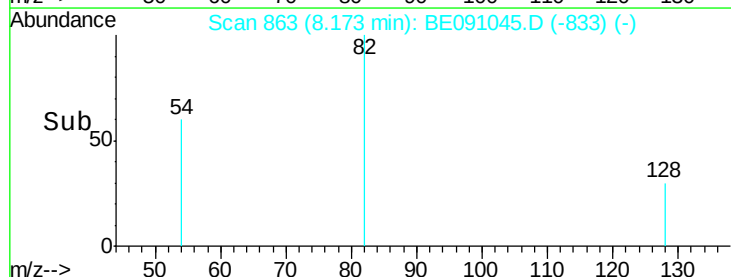
54 61.3 48.4 72.6

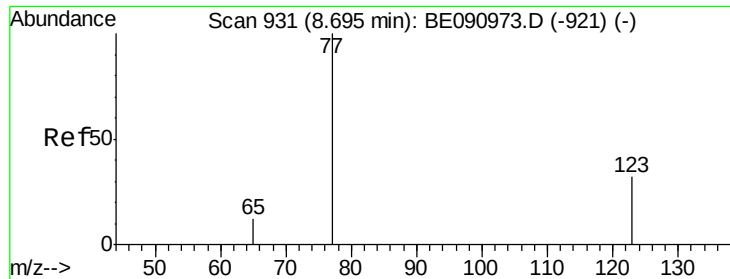


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.40 ng

RT: 8.21 min Scan# 871

Delta R.T. -0.06 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampled :

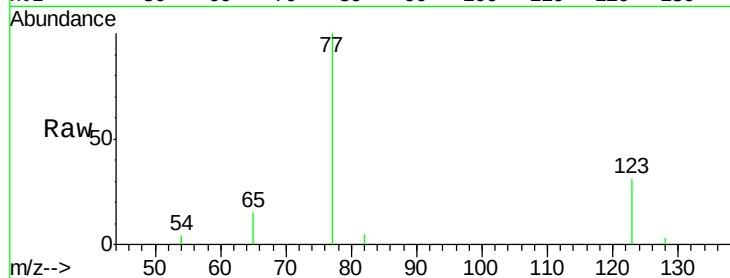
Tot Ion: 77 Resp: 6631

Ion Ratio Lower Upper

77 100

123 31.2 26.9 40.3

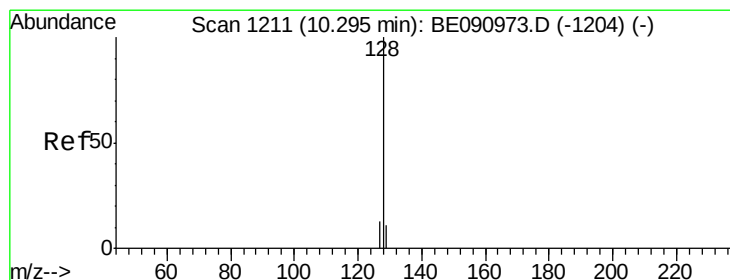
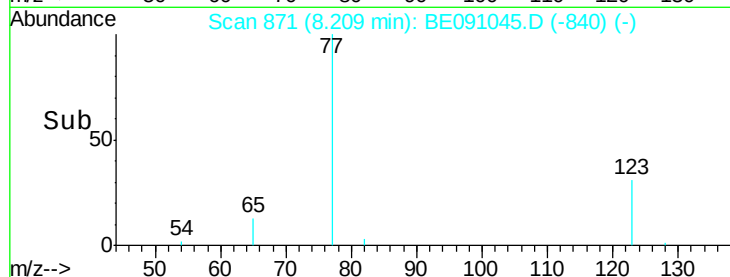
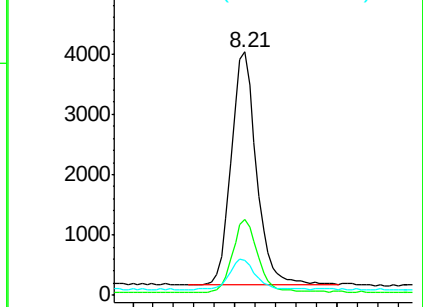
65 13.9 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE090973.D (-921) (-)

Ion 123.00 (122.70 to 123.70): BE090973.D (-921) (-)

Ion 65.00 (64.70 to 65.70): BE090973.D (-921) (-)



#10

Naphthalene

Concen: 1.01 ng

RT: 9.62 min Scan# 1159

Delta R.T. -0.06 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

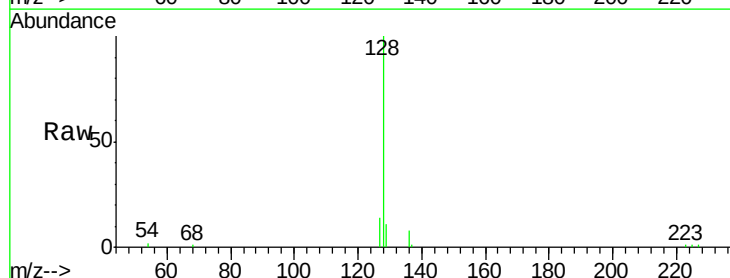
Tgt Ion: 128 Resp: 15444

Ion Ratio Lower Upper

128 100

129 11.3 9.3 13.9

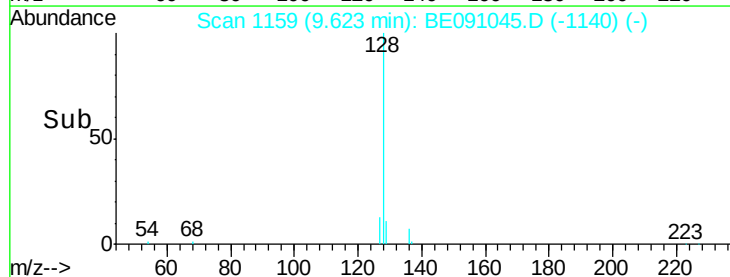
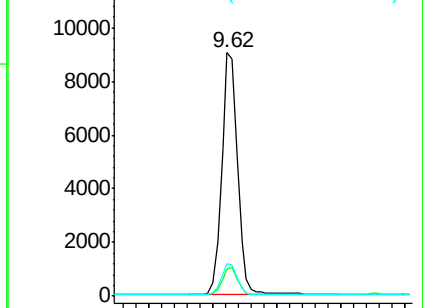
127 13.6 10.7 16.1

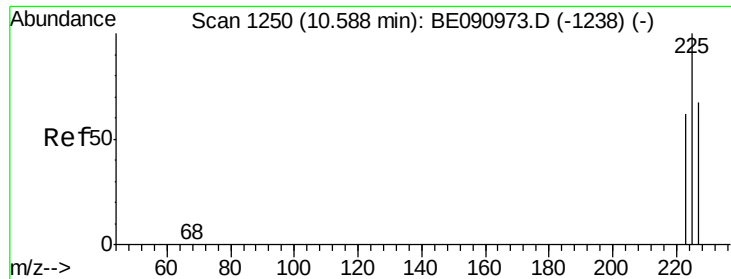


Abundance Ion 128.00 (127.70 to 128.70): BE090973.D (-1204) (-)

Ion 129.00 (128.70 to 129.70): BE090973.D (-1204) (-)

Ion 127.00 (126.70 to 127.70): BE090973.D (-1204) (-)

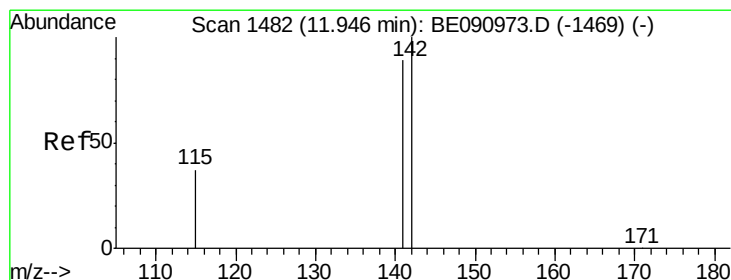
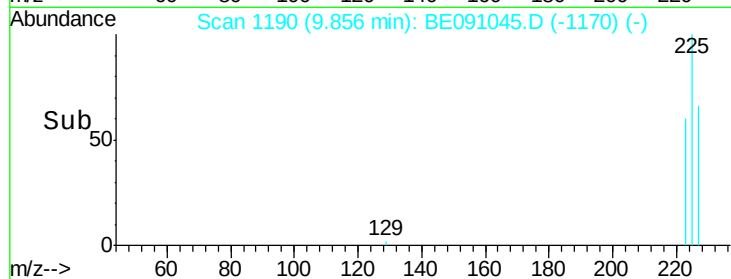
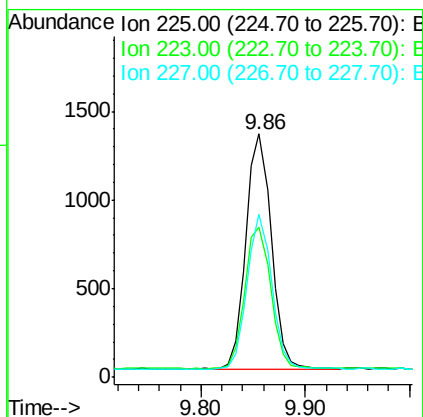
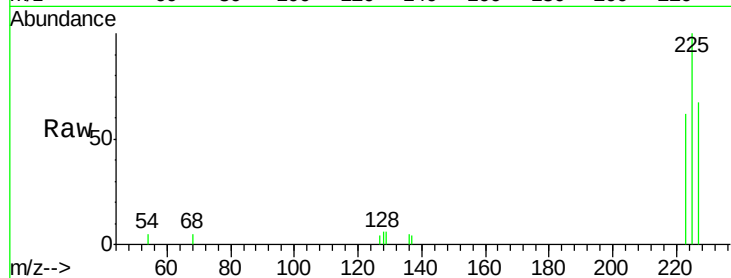




#11
Hexachlorobutadiene
Concen: 0.84 ng
RT: 9.86 min Scan# 1190
Delta R.T. -0.05 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

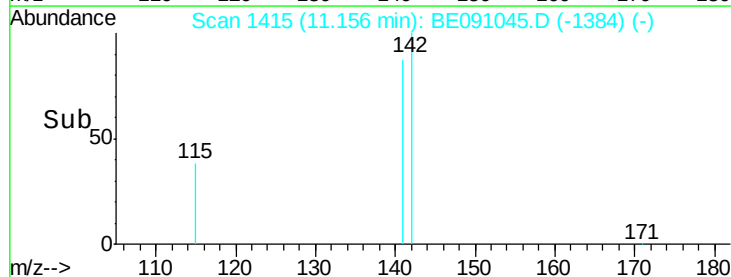
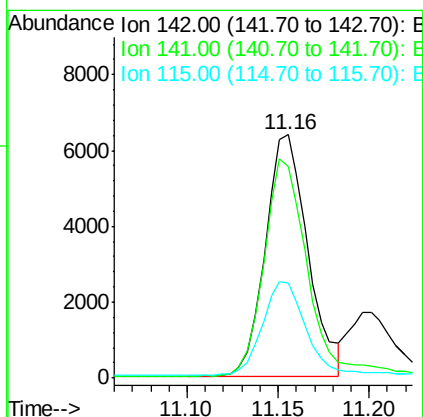
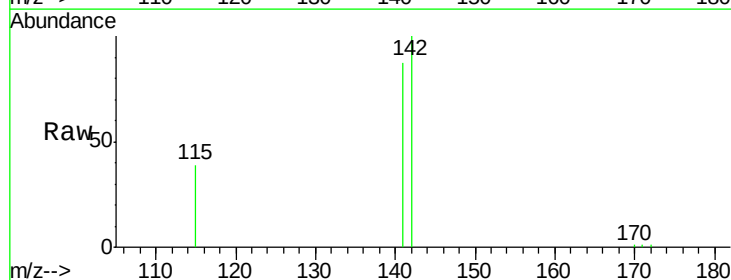
Instrument :
BNA_E
ClientSampleId :

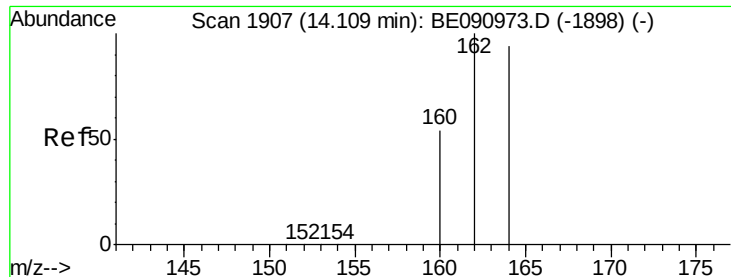
Tot Ion:225 Resp: 2219
Ion Ratio Lower Upper
225 100
223 62.1 49.0 73.6
227 63.5 50.3 75.5



#12
2-Methylnaphthalene
Concen: 1.10 ng
RT: 11.16 min Scan# 1415
Delta R.T. -0.06 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion:142 Resp: 10349
Ion Ratio Lower Upper
142 100
141 87.1 71.4 107.0
115 39.0 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.41 min Scan# 1843

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampleId :

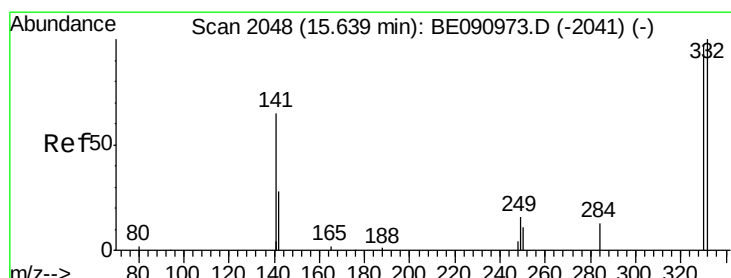
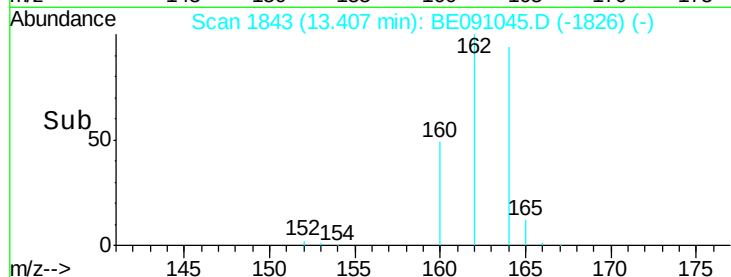
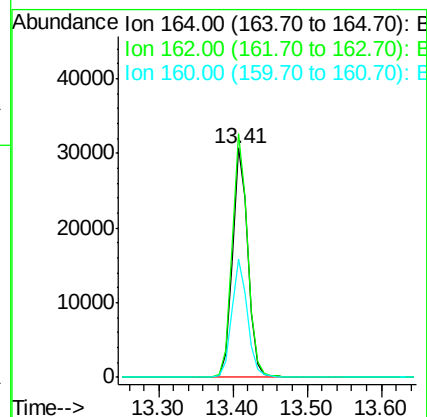
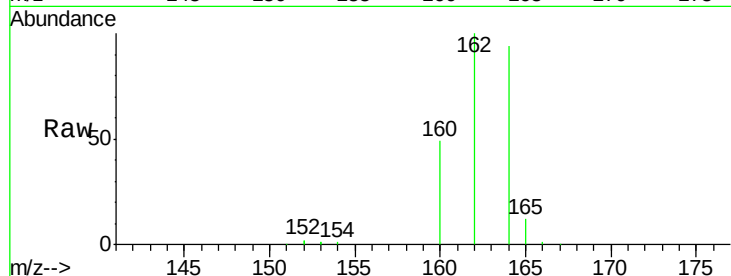
Tot Ion:164 Resp: 44353

Ion Ratio Lower Upper

164 100

162 106.1 85.3 127.9

160 51.7 46.2 69.2



#14

2,4,6-Tribromophenol

Concen: 1.31 ng

RT: 14.93 min Scan# 2006

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

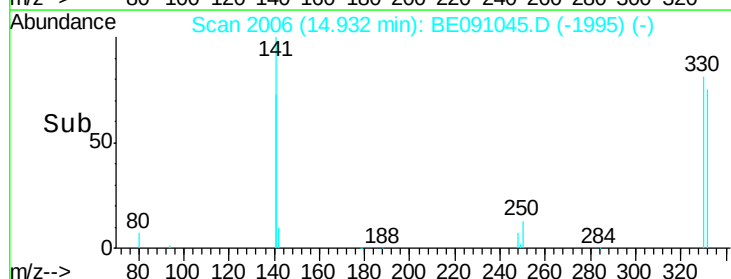
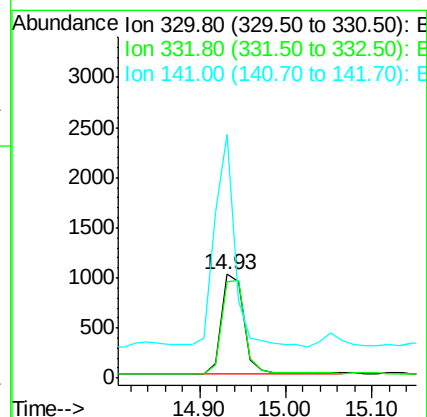
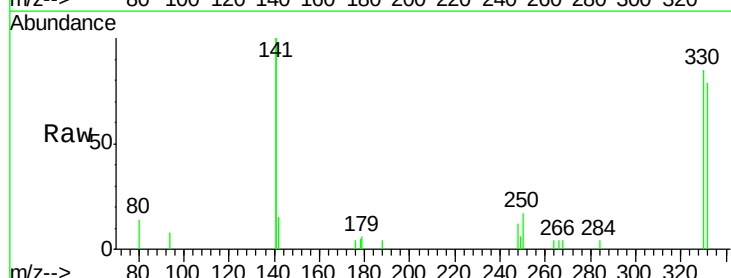
Tgt Ion:330 Resp: 1795

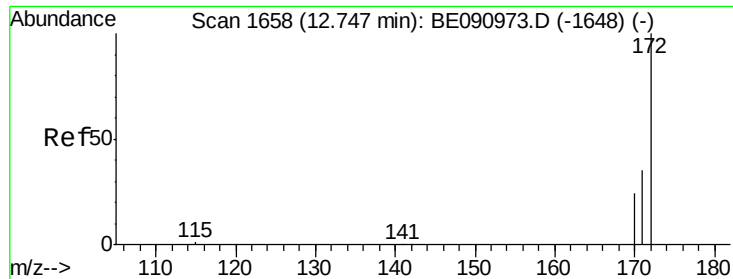
Ion Ratio Lower Upper

330 100

332 96.8 79.1 118.7

141 189.6 125.4 188.0#

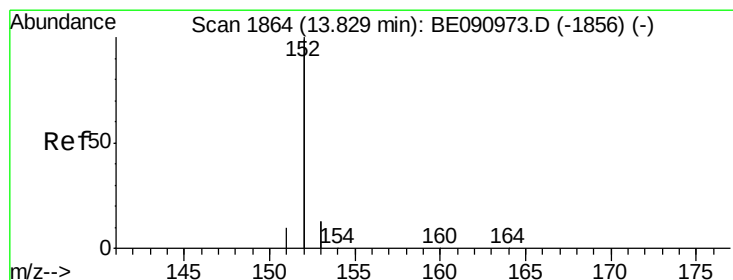
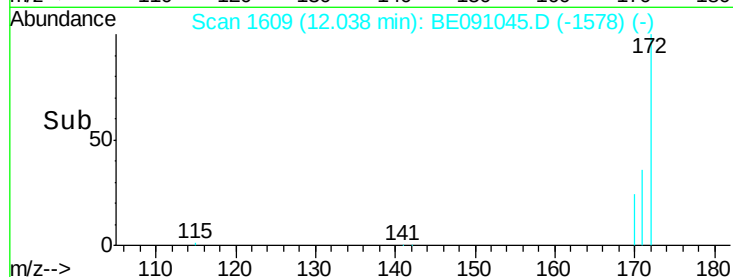
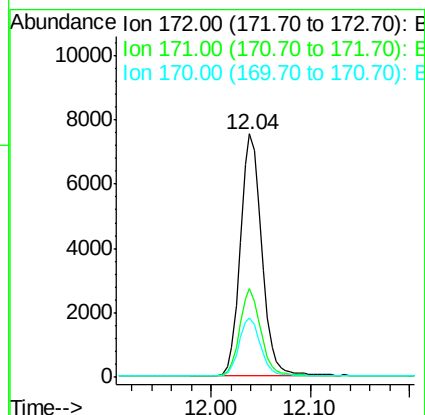
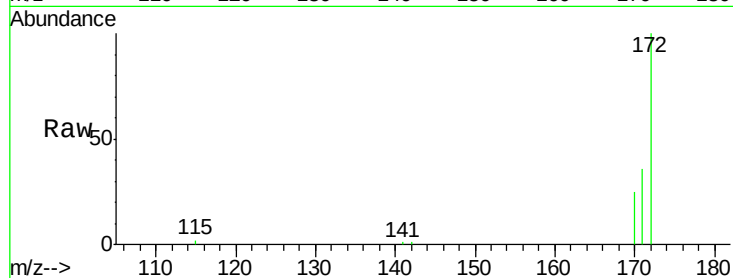




#15
2-Fluorobiphenyl
Concen: 0.94 ng
RT: 12.04 min Scan# 1609
Delta R.T. -0.06 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

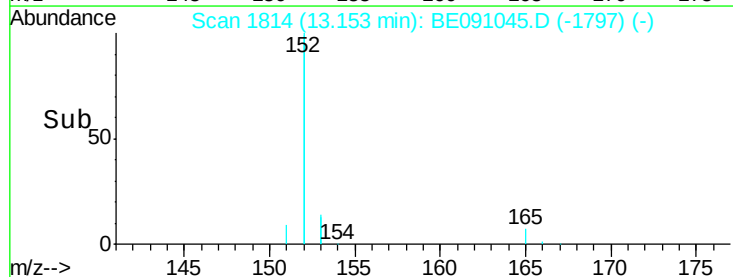
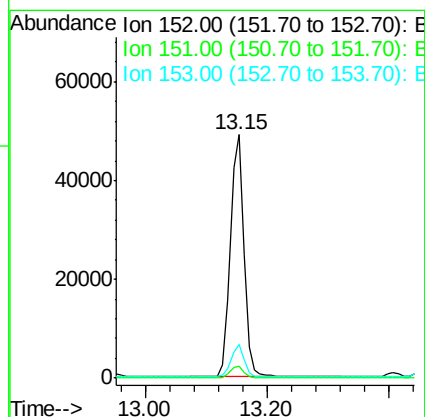
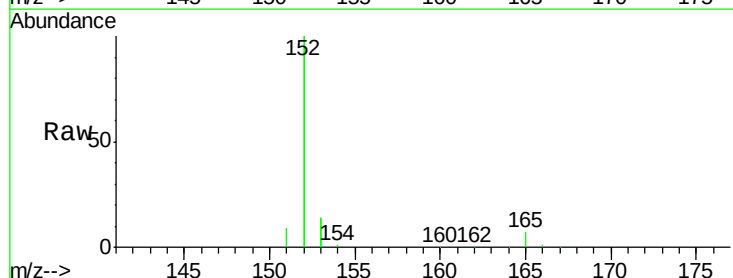
Instrument :
BNA_E
ClientSampled :

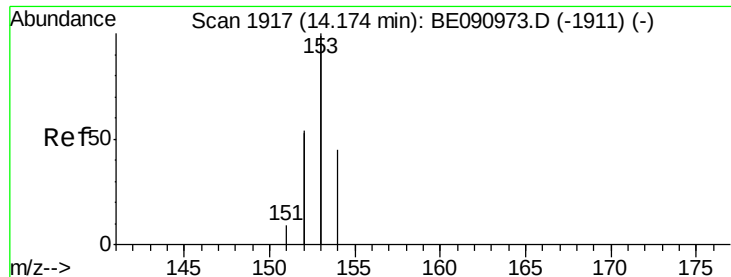
Tot Ion:172 Resp: 11352
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 24.5 19.3 28.9



#16
Acenaphthylene
Concen: 1.02 ng
RT: 13.15 min Scan# 1814
Delta R.T. -0.05 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion:152 Resp: 75716
Ion Ratio Lower Upper
152 100
151 4.7 3.9 5.9
153 12.8 10.3 15.5





#17

Acenaphthene

Concen: 0.97 ng

RT: 13.47 min Scan# 1850

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampleId :

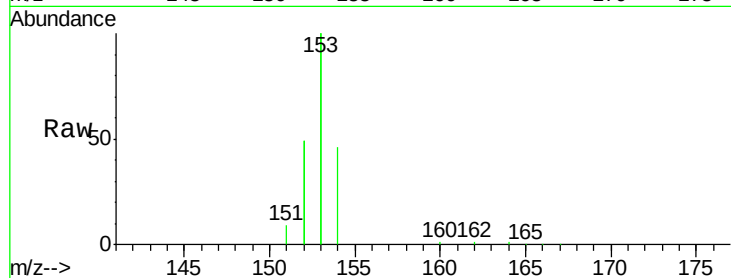
Tot Ion:154 Resp: 11428

Ion Ratio Lower Upper

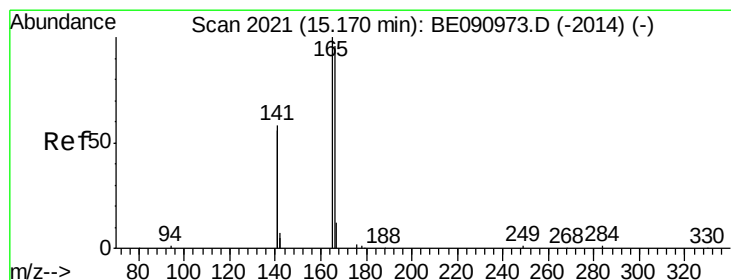
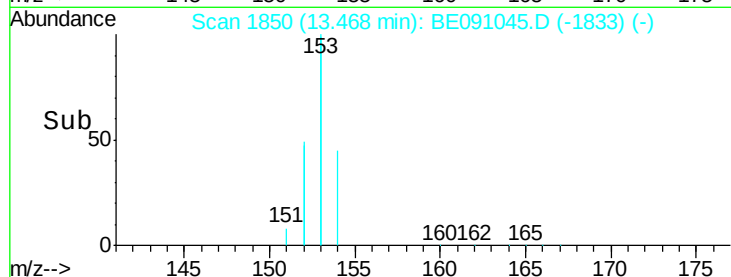
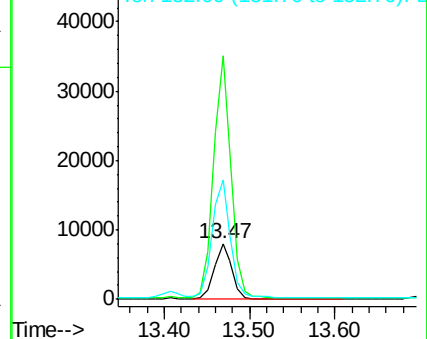
154 100

153 434.4 352.0 528.0

152 220.0 200.0 300.0



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: 1.02 ng

RT: 14.46 min Scan# 1963

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

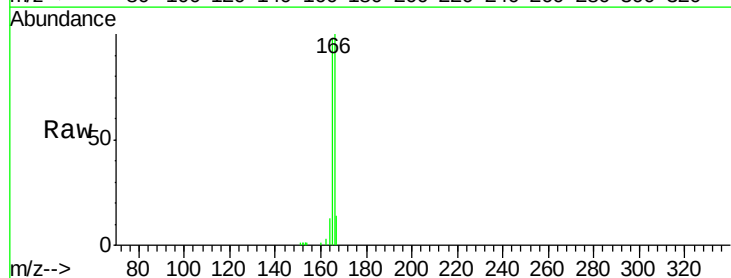
Tgt Ion:166 Resp: 14954

Ion Ratio Lower Upper

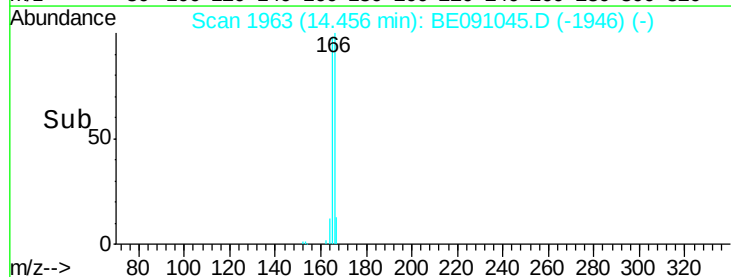
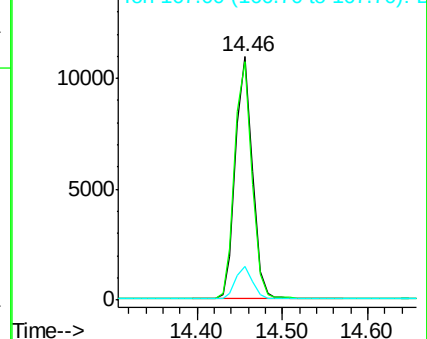
166 100

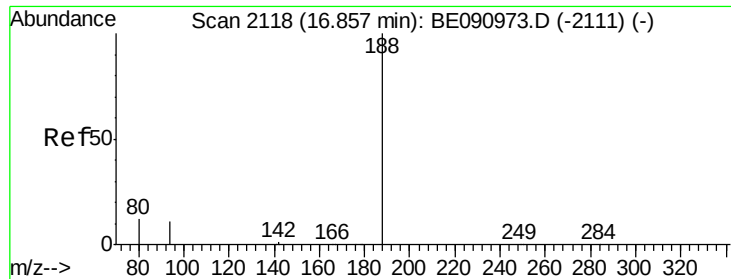
165 99.4 80.8 121.2

167 13.6 10.9 16.3



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





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.13 min Scan# 2096

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampled :

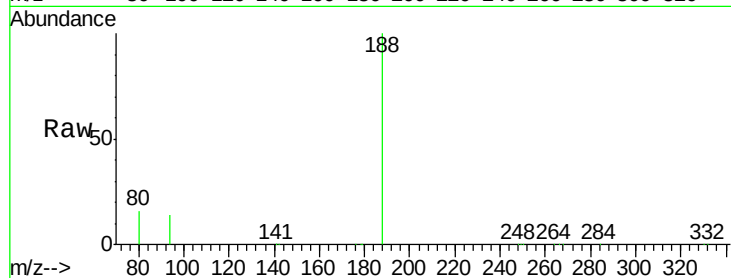
Tot Ion:188 Resp: 116024

Ion Ratio Lower Upper

188 100

94 14.0 8.7 13.1#

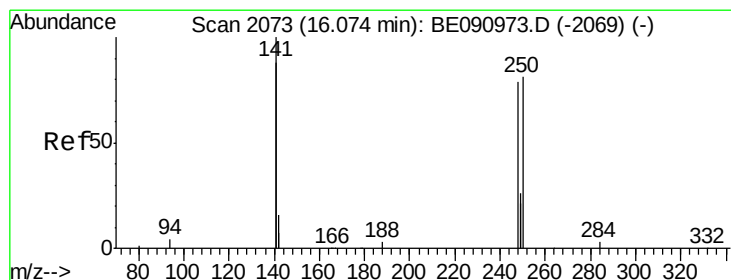
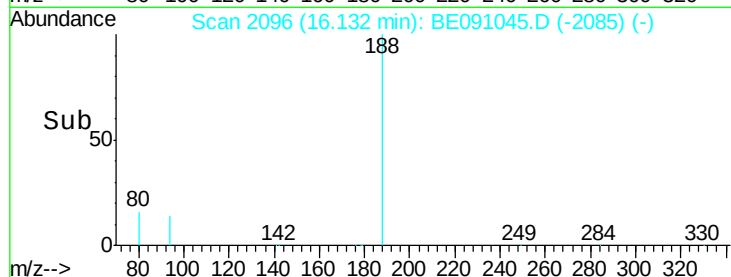
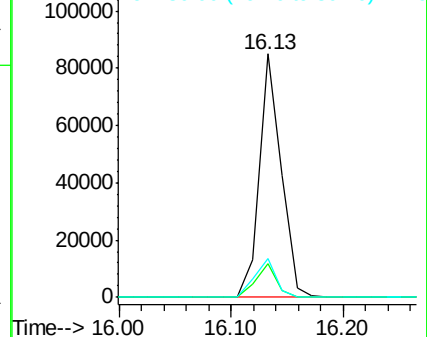
80 16.2 9.4 14.0#



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: 0.92 ng

RT: 15.31 min Scan# 2034

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

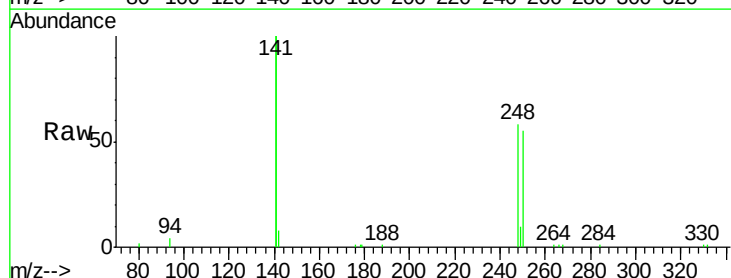
Tgt Ion:248 Resp: 4022

Ion Ratio Lower Upper

248 100

250 98.2 80.5 120.7

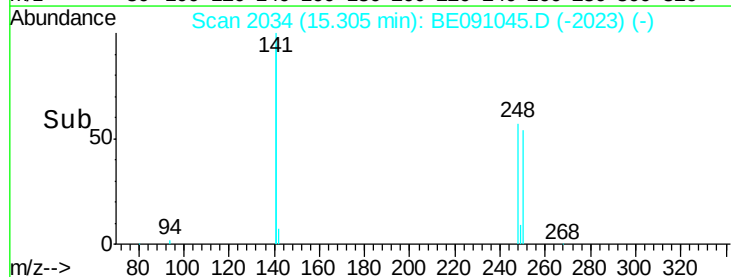
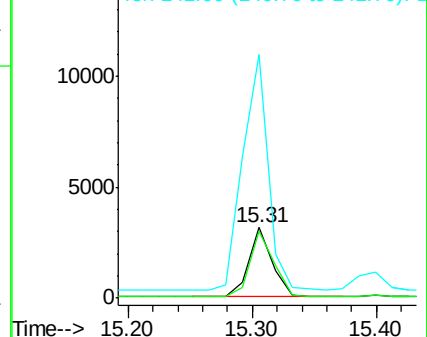
141 374.6 261.9 392.9

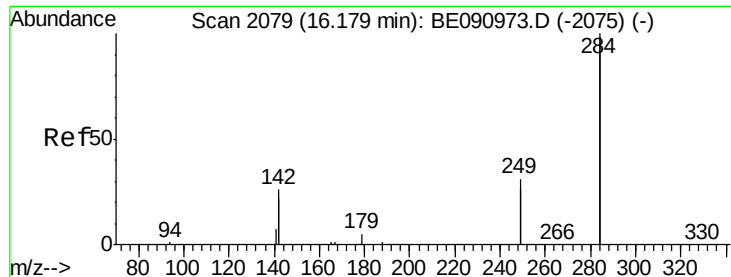


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

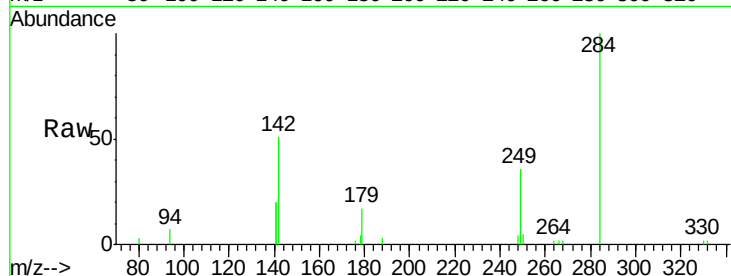




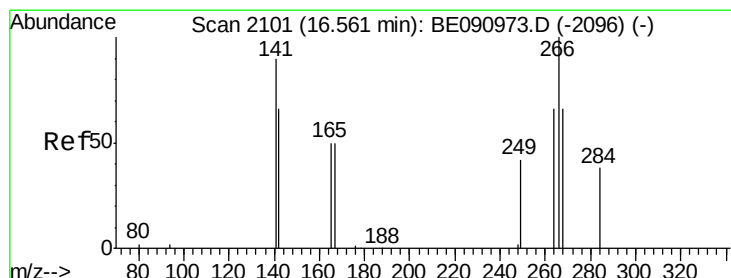
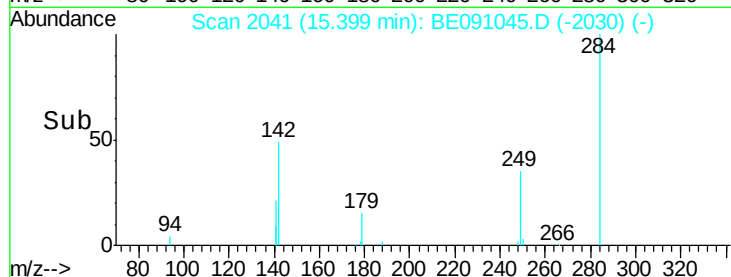
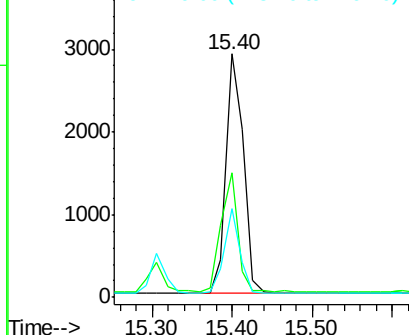
#21
Hexachlorobenzene
Concen: 0.11 ng
RT: 15.40 min Scan# 2041
Delta R.T. -0.05 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 4374
Ion Ratio Lower Upper
284 100
142 46.3 32.2 48.2
249 31.5 25.4 38.2

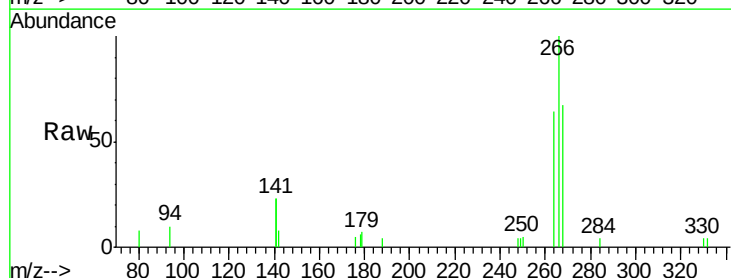


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

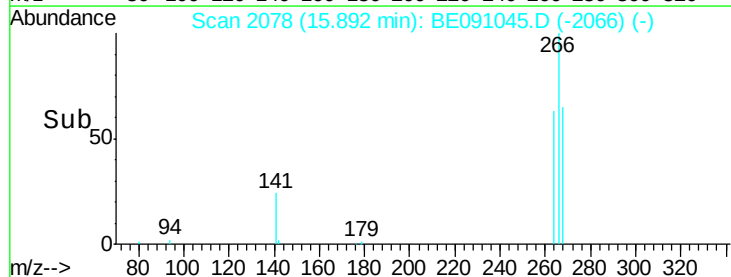
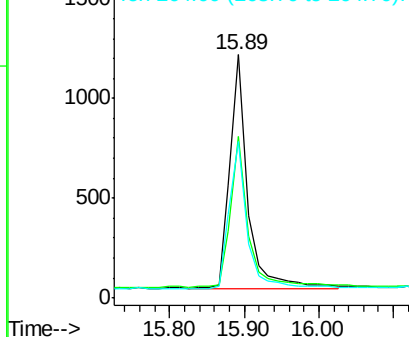


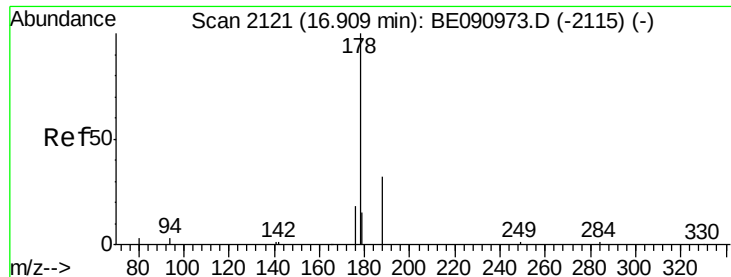
#22
Pentachlorophenol
Concen: 1.47 ng
RT: 15.89 min Scan# 2078
Delta R.T. -0.04 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion:266 Resp: 1934
Ion Ratio Lower Upper
266 100
268 66.6 58.2 87.2
264 64.5 56.2 84.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 1.00 ng

RT: 16.17 min Scan# 2099

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

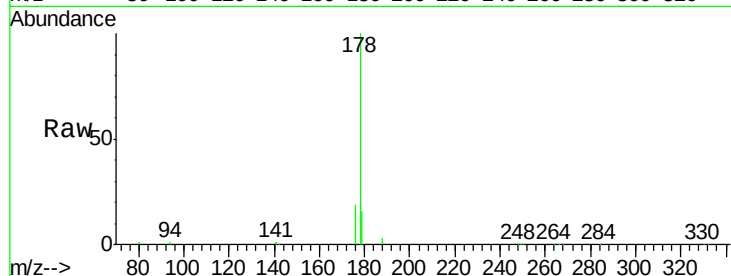
Instrument :

BNA_E

ClientSampled :

Tot Ion:178 Resp: 27801

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.9	12.6	18.8

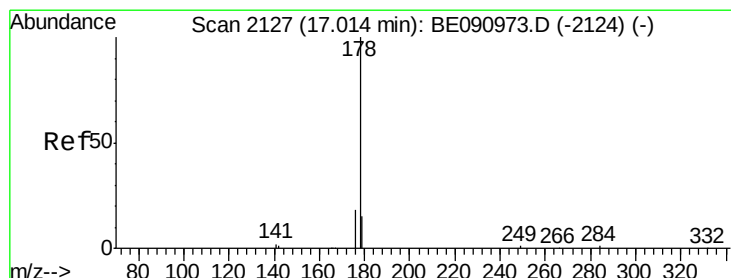
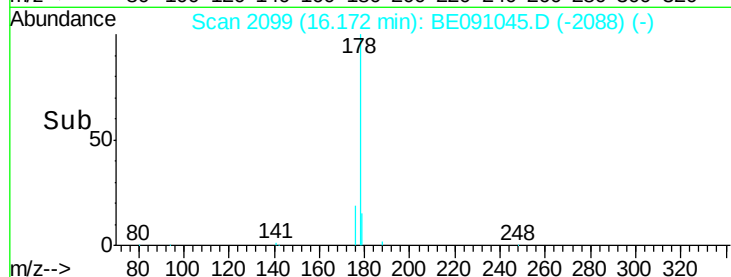
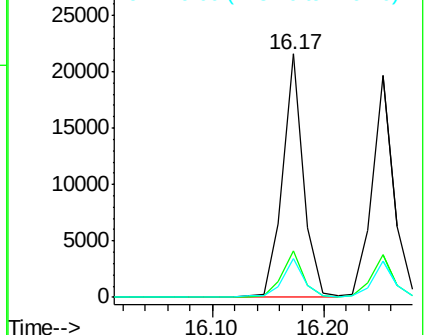


Abundance

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: 1.06 ng

RT: 16.25 min Scan# 2105

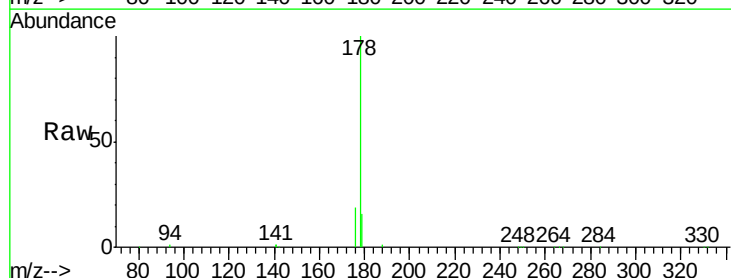
Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Tgt Ion:178 Resp: 26415

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.6	21.8
179	15.5	11.8	17.6

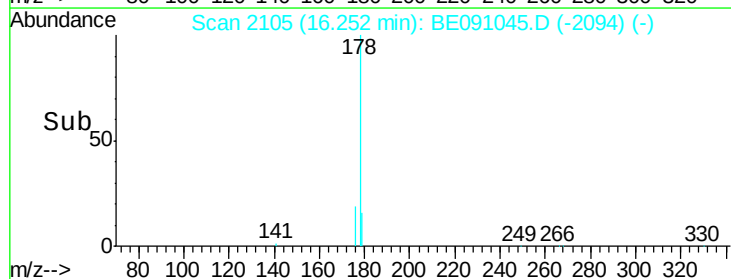
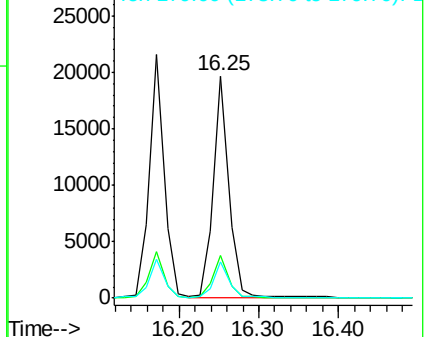


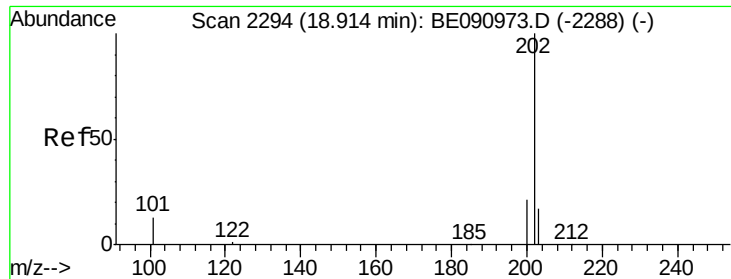
Abundance

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

Concen: 1.09 ng

RT: 18.16 min Scan# 2311

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampleId :

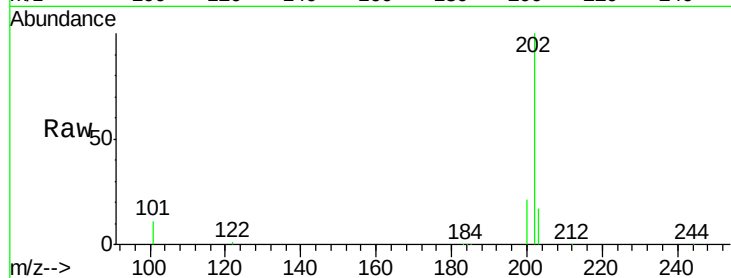
Tot Ion:202 Resp: 33693

Ion Ratio Lower Upper

202 100

101 14.3 11.0 16.6

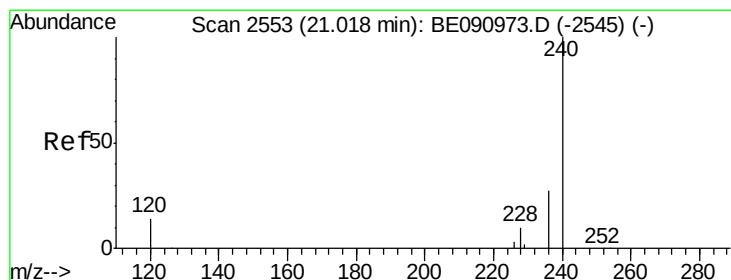
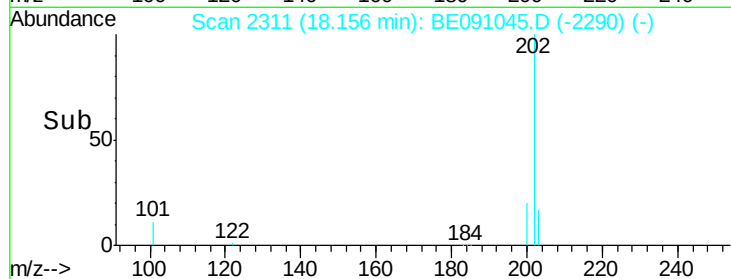
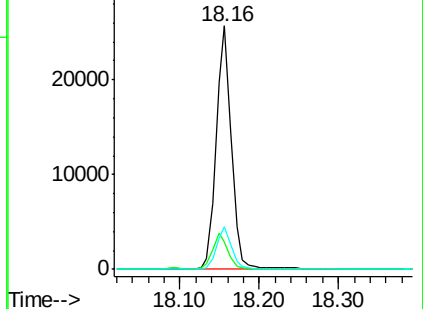
203 17.0 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 20.29 min Scan# 2567

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

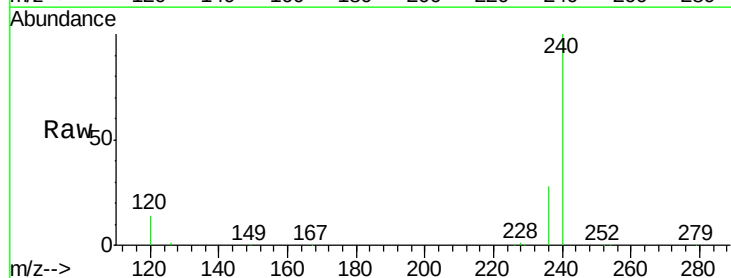
Tgt Ion:240 Resp: 148354

Ion Ratio Lower Upper

240 100

120 14.1 11.0 16.4

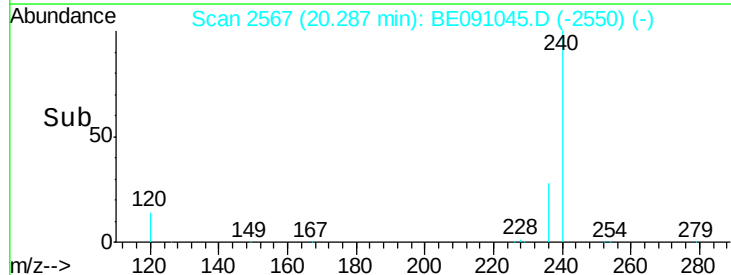
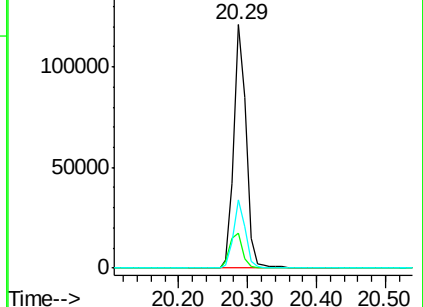
236 28.1 21.7 32.5

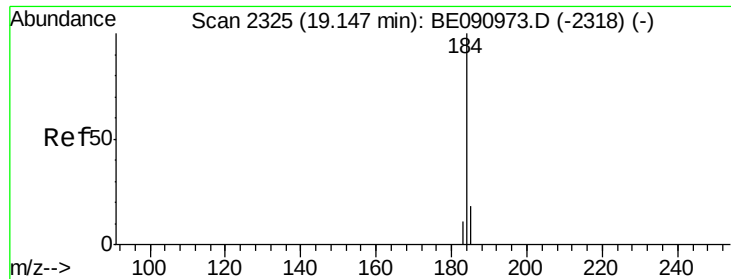


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

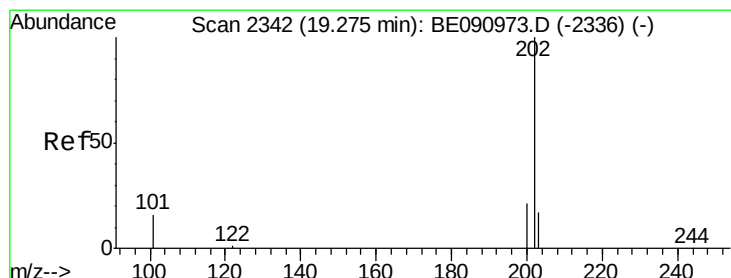
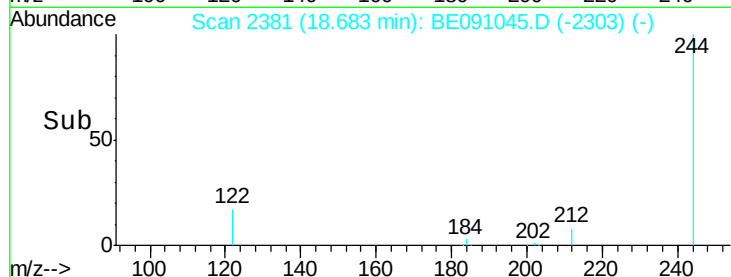
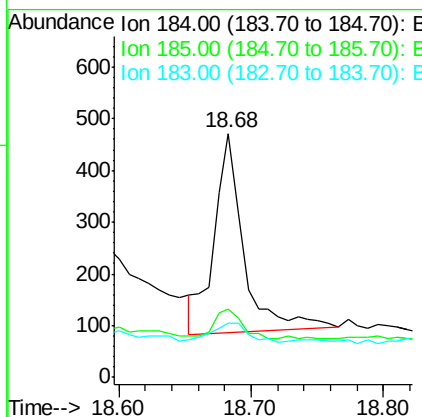
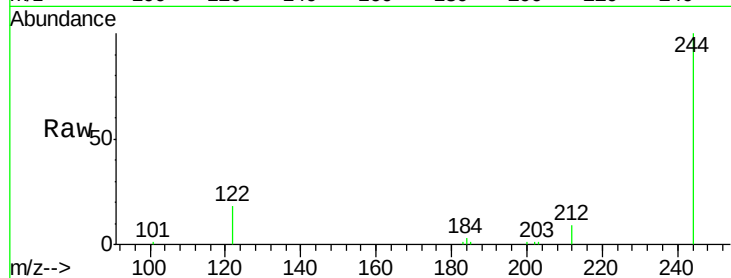




#27
Benzidine
Concen: 0.19 ng
RT: 18.68 min Scan# 2381
Delta R.T. 0.09 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

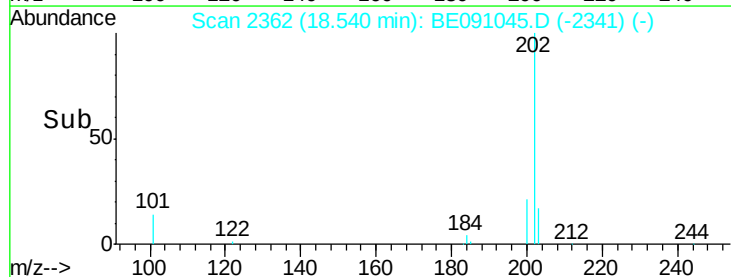
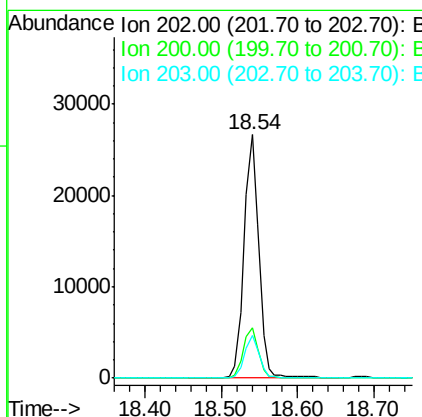
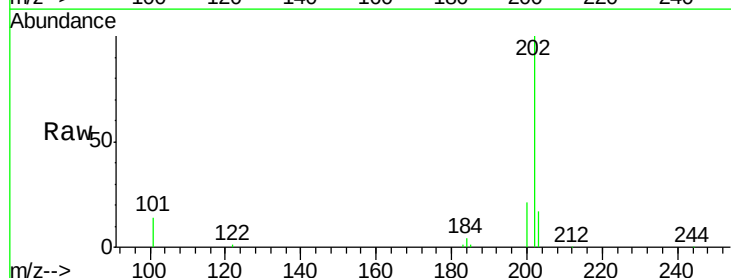
Instrument :
BNA_E
ClientSampleId :

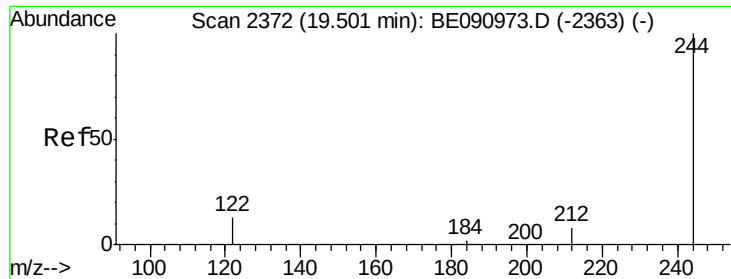
Tot Ion:184 Resp: 599
Ion Ratio Lower Upper
184 100
185 27.8 22.3 33.5
183 22.5 16.4 24.6



#28
Pyrene
Concen: 1.03 ng
RT: 18.54 min Scan# 2362
Delta R.T. -0.05 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion:202 Resp: 35479
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 17.4 14.0 21.0





#29

Terphenyl-d14

Concen: 1.20 ng

RT: 18.69 min Scan# 2382

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampleId :

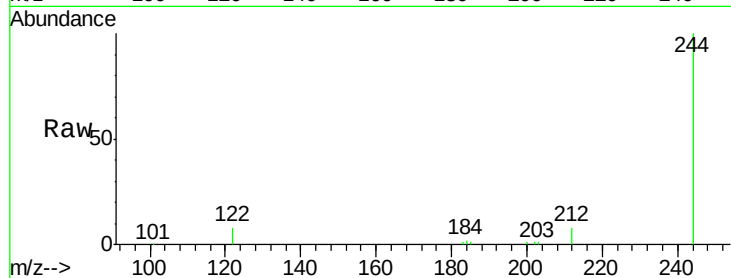
Tot Ion:244 Resp: 21568

Ion Ratio Lower Upper

244 100

212 8.2 6.9 10.3

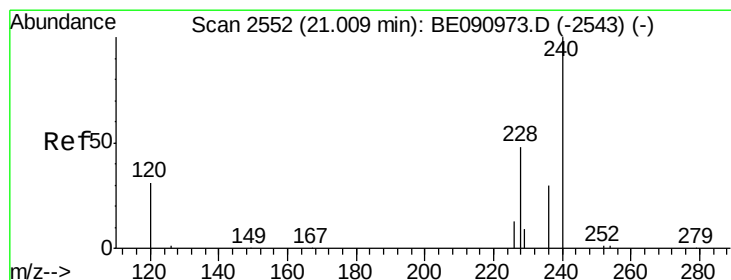
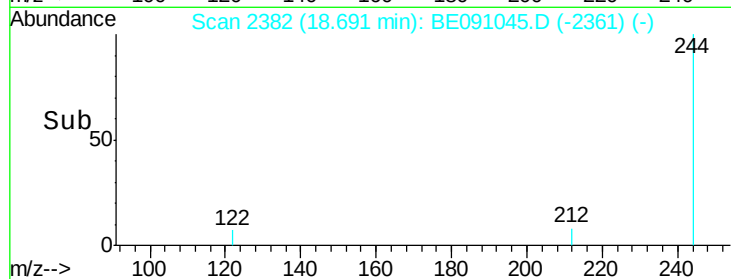
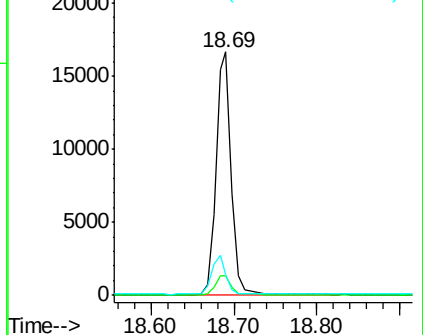
122 8.4 11.0 16.4#



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: 1.09 ng

RT: 20.26 min Scan# 2564

Delta R.T. -0.05 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

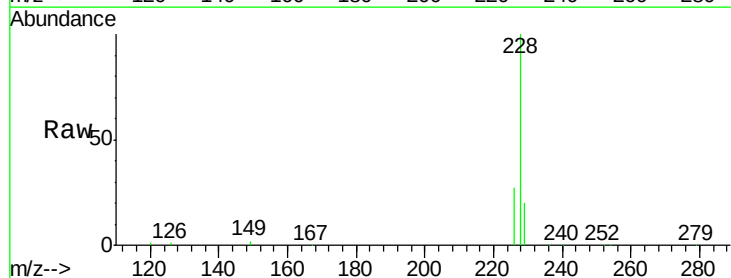
Tgt Ion:228 Resp: 36018

Ion Ratio Lower Upper

228 100

226 26.6 21.0 31.4

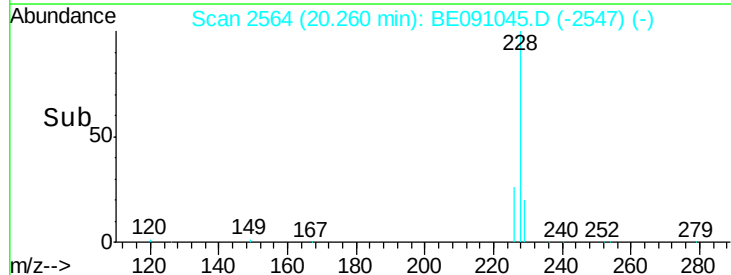
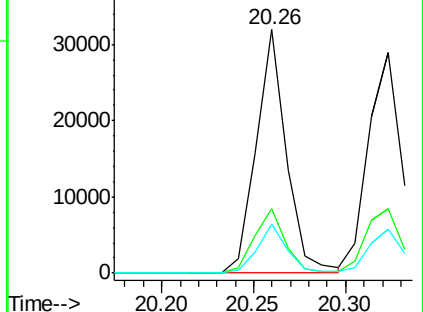
229 20.0 15.7 23.5

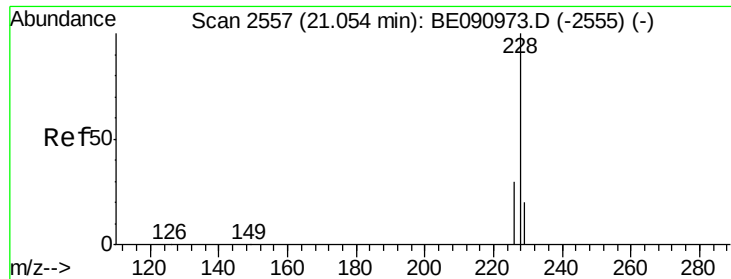


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

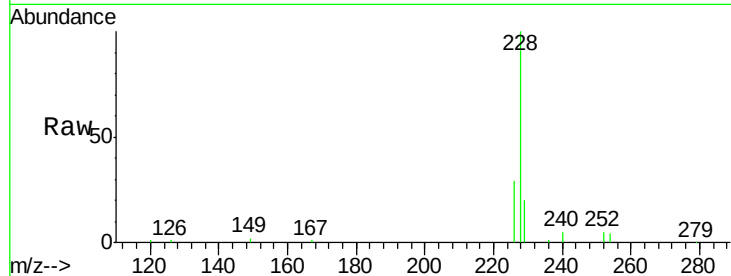




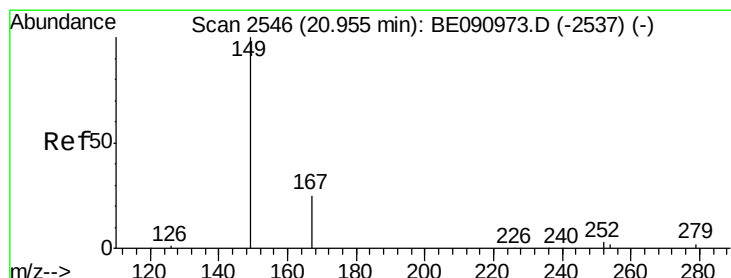
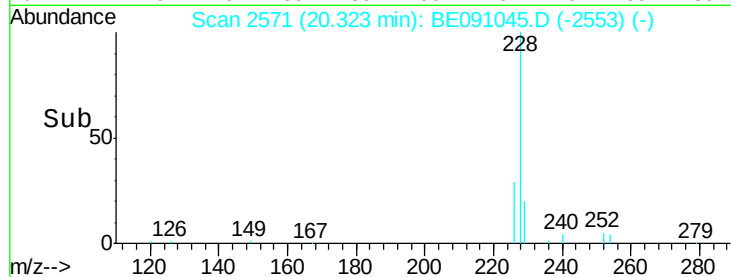
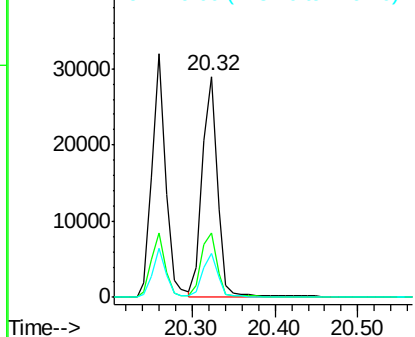
#32
 Chrysene
 Concen: 0.92 ng
 RT: 20.32 min Scan# 2571
 Delta R.T. -0.04 min
 Lab File: BE091045.D
 Acq: 23 Oct 2015 22:08

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:228 Resp: 36557
 Ion Ratio Lower Upper
 228 100
 226 29.4 24.0 36.0
 229 19.9 15.9 23.9

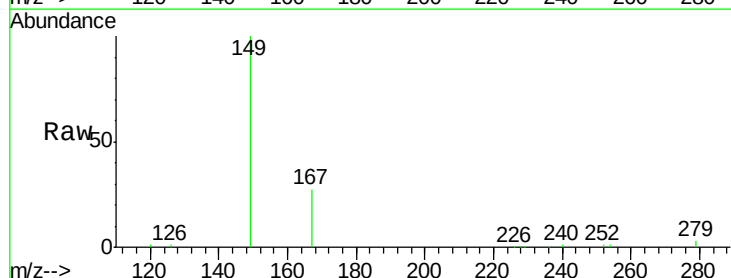


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

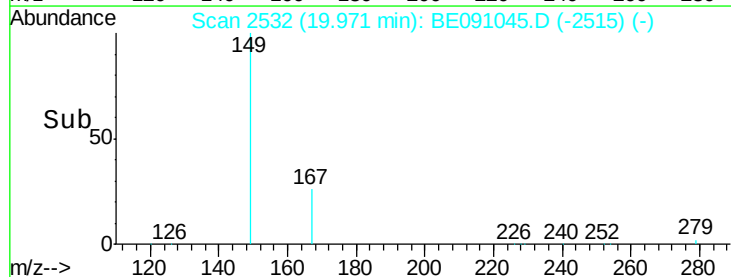
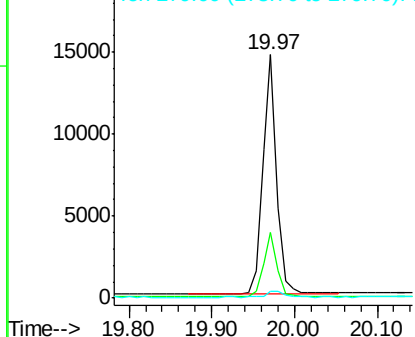


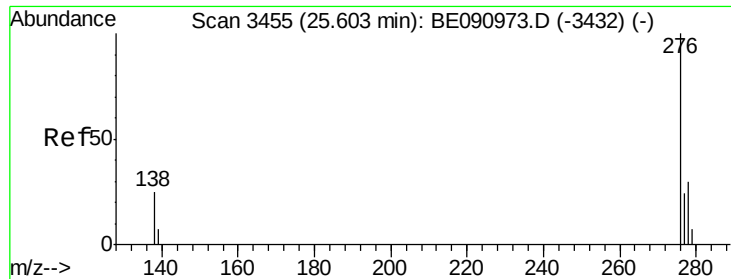
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 1.50 ng
 RT: 19.97 min Scan# 2532
 Delta R.T. -0.05 min
 Lab File: BE091045.D
 Acq: 23 Oct 2015 22:08

Tgt Ion:149 Resp: 17176
 Ion Ratio Lower Upper
 149 100
 167 25.3 19.5 29.3
 279 2.9 2.3 3.5



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

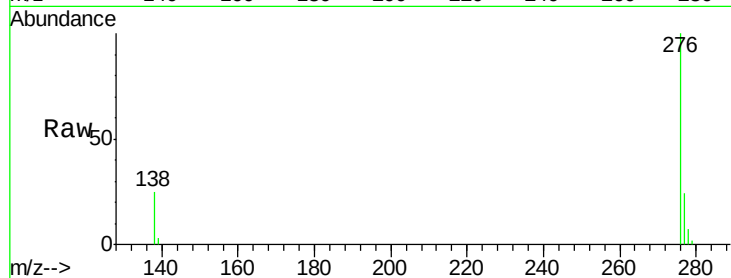




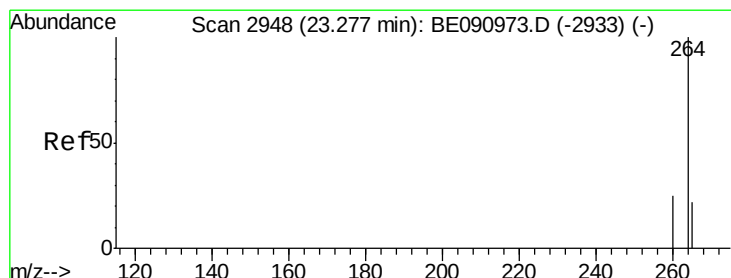
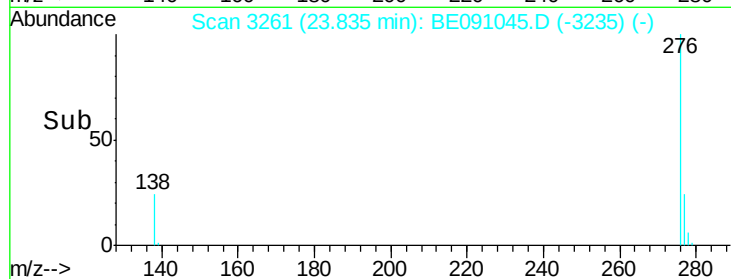
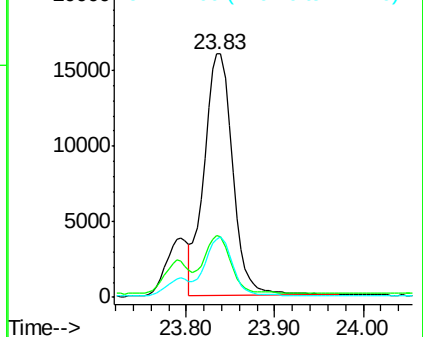
#34
Indeno(1,2,3-cd)pyrene
Concen: 1.06 ng
RT: 23.83 min Scan# 3261
Delta R.T. -0.08 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 35914
Ion Ratio Lower Upper
276 100
138 22.9 23.4 35.2#
277 23.4 19.8 29.8

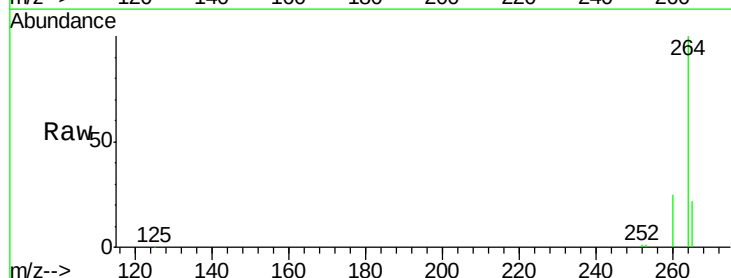


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

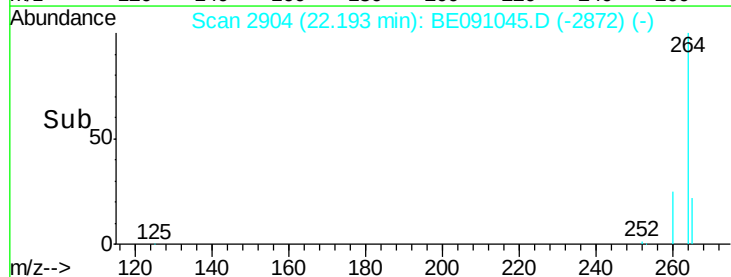
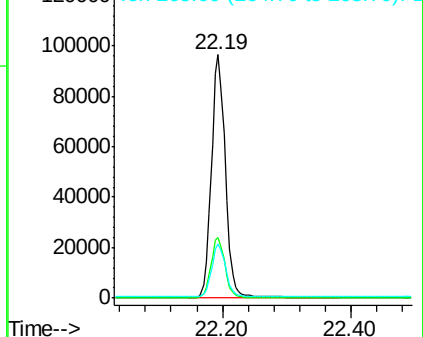


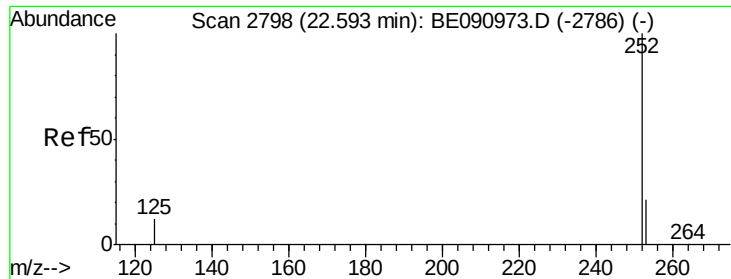
#35
Perylene-d12
Concen: 5.00 ng
RT: 22.19 min Scan# 2904
Delta R.T. -0.06 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion:264 Resp: 147224
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.4 17.5 26.3



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

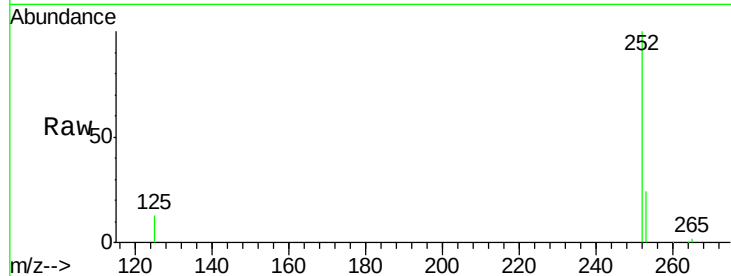




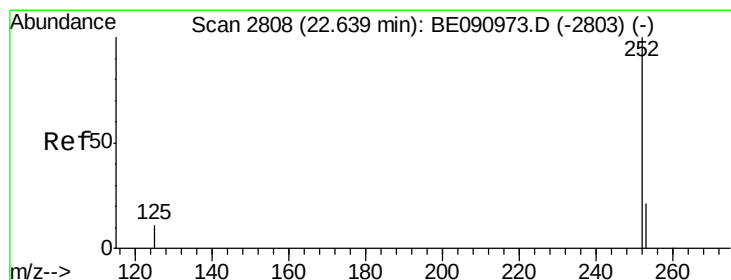
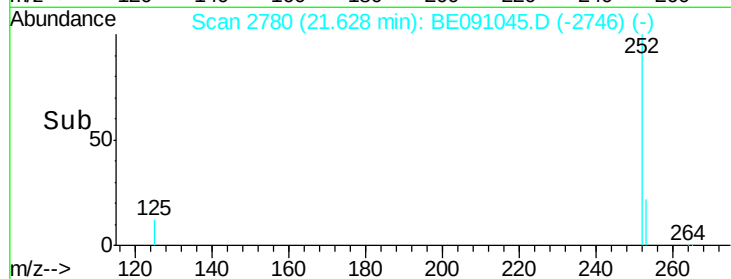
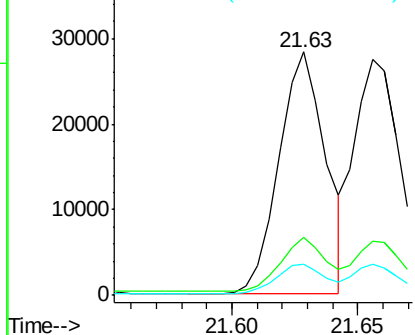
#36
Benzo(b)fluoranthene
Concen: 1.11 ng
RT: 21.63 min Scan# 2780
Delta R.T. -0.05 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 35960
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 12.7 10.2 15.2

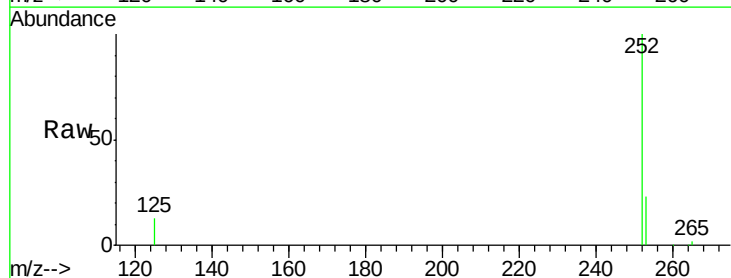


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

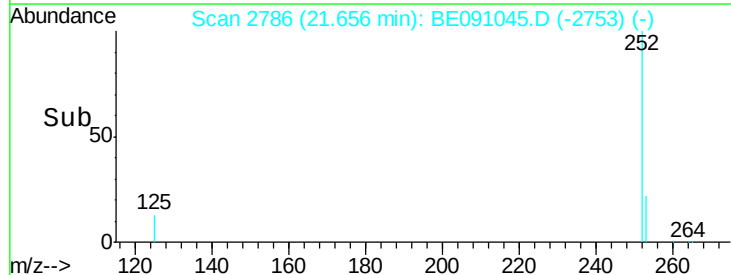
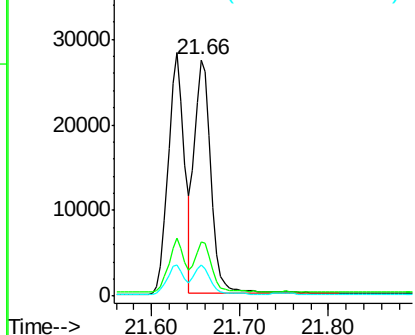


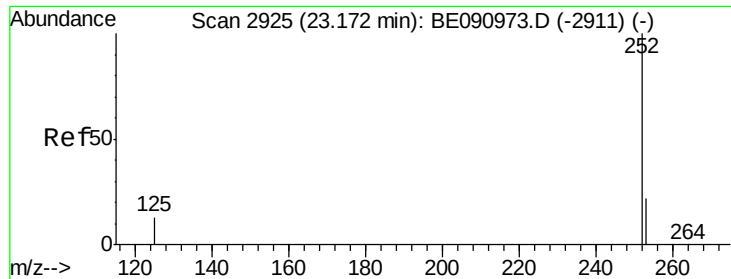
#37
Benzo(k)fluoranthene
Concen: 0.84 ng
RT: 21.66 min Scan# 2786
Delta R.T. -0.05 min
Lab File: BE091045.D
Acq: 23 Oct 2015 22:08

Tgt Ion:252 Resp: 35836
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 13.2 9.9 14.9



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

Benzo(a)pyrene

Concen: 1.10 ng

RT: 22.10 min Scan# 2883

Delta R.T. -0.05 min

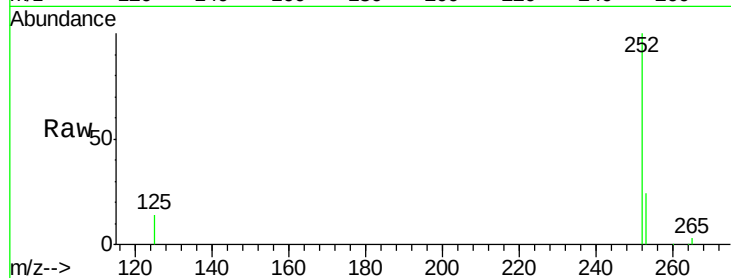
Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampleId :



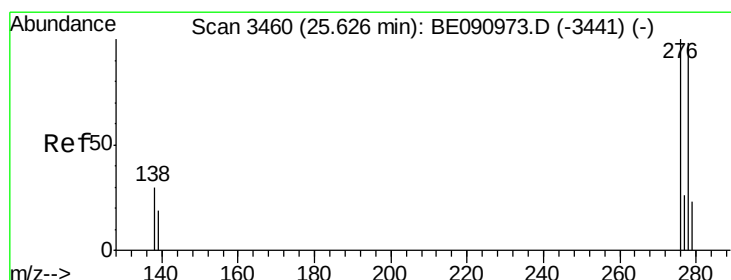
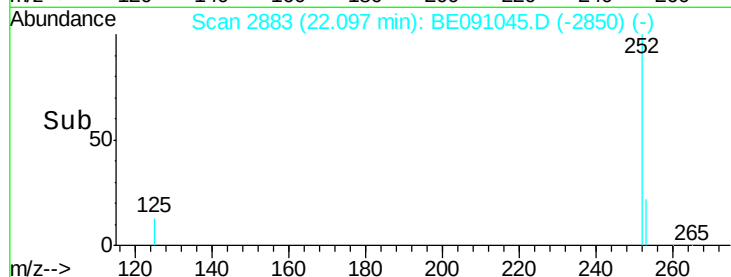
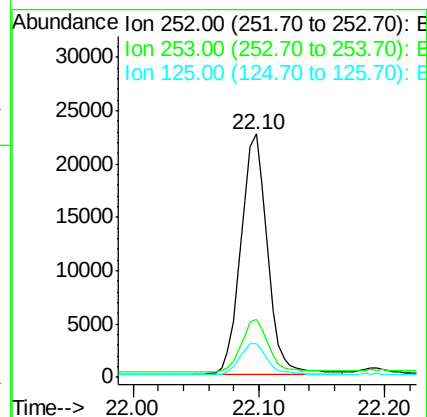
Tot Ion:252 Resp: 33139

Ion Ratio Lower Upper

252 100

253 23.8 18.1 27.1

125 13.8 11.0 16.4



#39

Dibenzo(a,h)anthracene

Concen: 1.18 ng

RT: 23.79 min Scan# 3252

Delta R.T. -0.08 min

Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

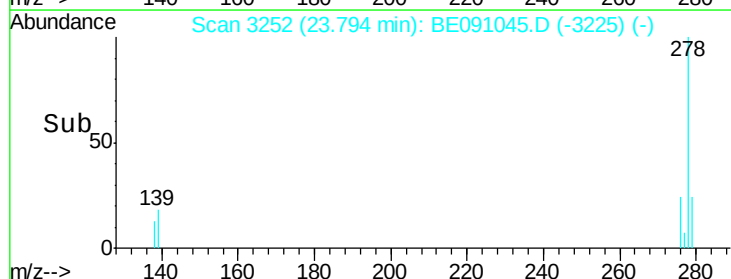
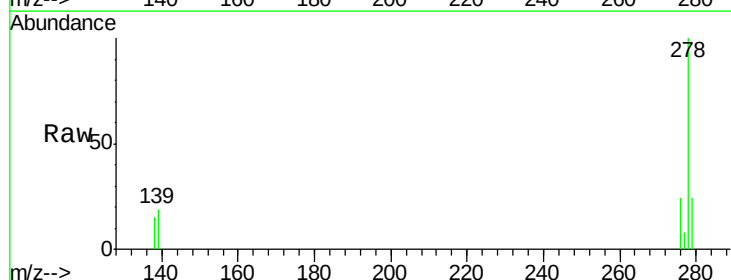
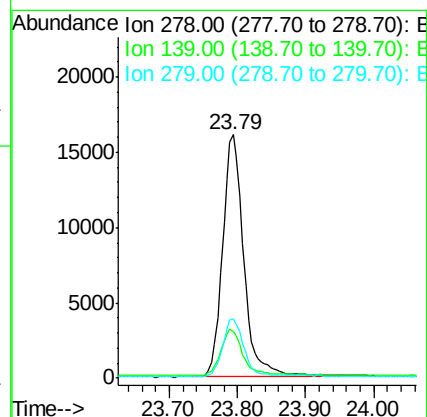
Tgt Ion:278 Resp: 35010

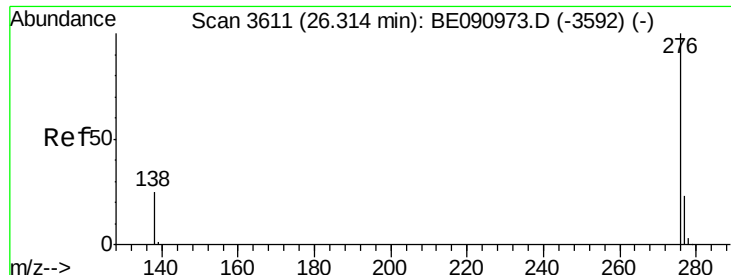
Ion Ratio Lower Upper

278 100

139 19.2 16.0 24.0

279 24.5 19.4 29.2





#40

Benzo(a,h,i)perylene

Concen: 1.13 ng

RT: 24.40 min Scan# 3385

Delta R.T. -0.09 min

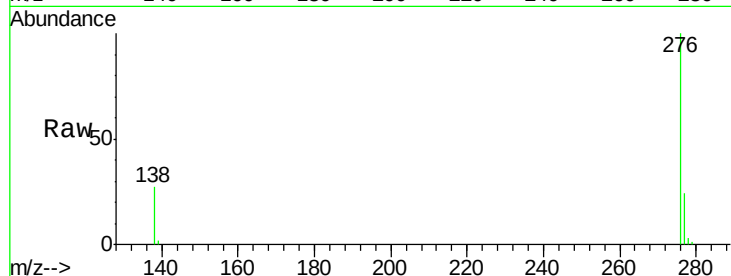
Lab File: BE091045.D

Acq: 23 Oct 2015 22:08

Instrument :

BNA_E

ClientSampleId :



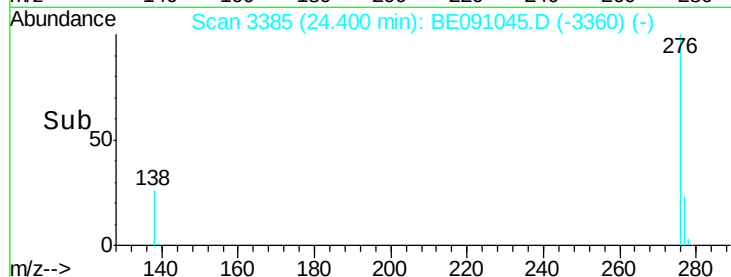
Tot Ion: 276 Resp: 36578

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 27.1 20.4 30.6



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

