

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
 Data File : BE091824.D
 Acq On : 19 May 2016 23:50
 Operator : UM/SJ
 Sample : H3084-08MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-160512MSD

Quant Time: May 20 04:51:16 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	27028	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	144401	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	94489	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	223020	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	241789	5.00	ng	-0.02
35) Perylene-d12	23.73	264	234244	5.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	23788	3.37	ng	0.00
5) Phenol-d6	6.95	99	28379	2.85	ng	0.00
8) Nitrobenzene-d5	8.94	82	43108	4.50	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	37900	10.33	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	67031	2.51	ng	0.00
29) Terphenyl-d14	19.74	244	193327	5.65	ng	-0.02

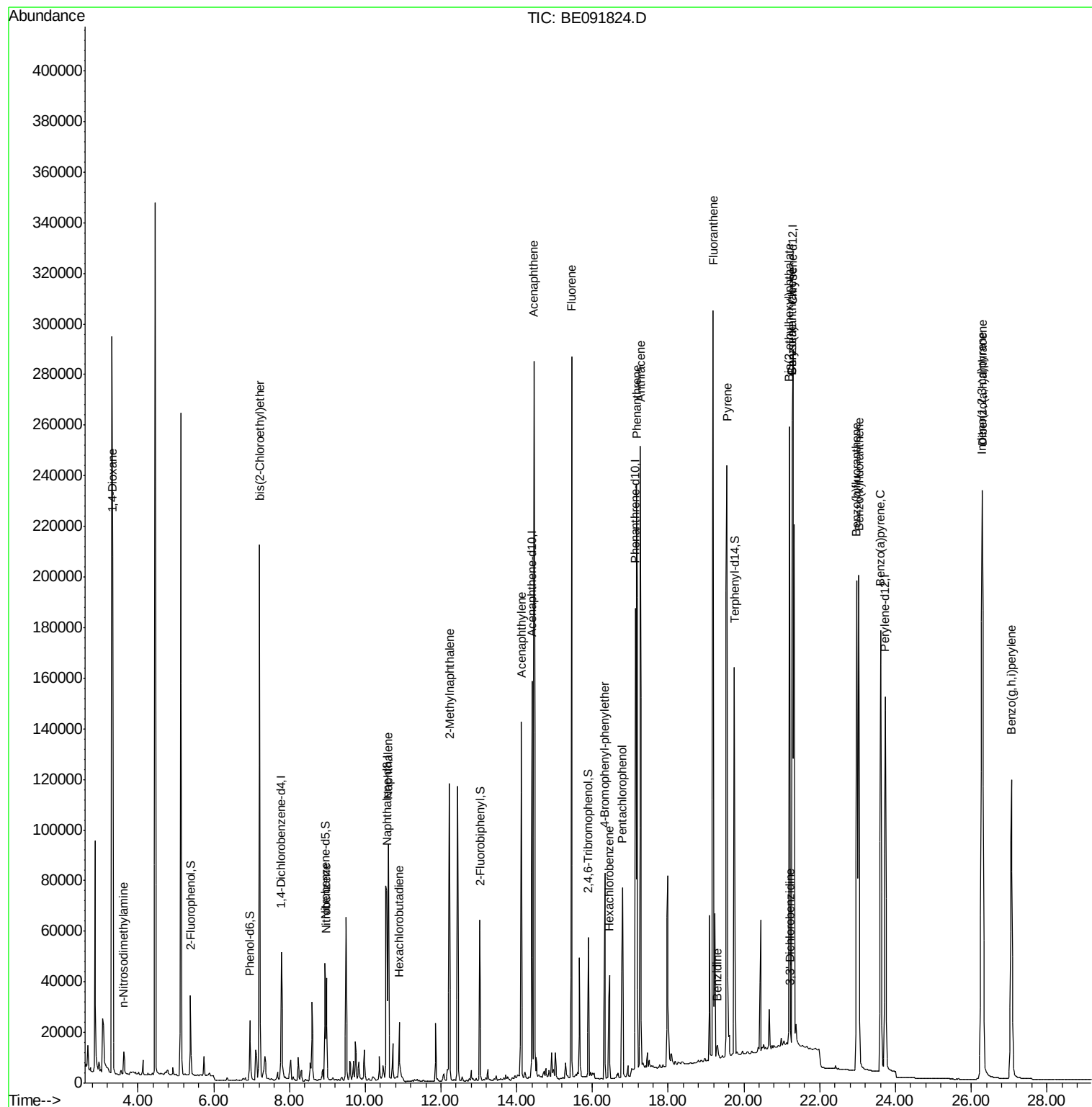
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	218892	74.68	ng	90
3) n-Nitrosodimethylamine	3.63	42	7389	1.71	ng	# 93
6) bis(2-Chloroethyl)ether	7.21	93	170984	21.42	ng	# 76
9) Nitrobenzene	8.98	77	45284	4.60	ng	# 92
10) Naphthalene	10.61	128	122279	3.83	ng	99
11) Hexachlorobutadiene	10.90	225	16941	3.58	ng	97
12) 2-Methylnaphthalene	12.22	142	98037	4.56	ng	# 89
16) Acenaphthylene	14.12	152	198868	4.72	ng	# 82
17) Acenaphthene	14.46	154	156101	6.16	ng	93
18) Fluorene	15.45	166	184532	5.62	ng	97
20) 4-Bromophenyl-phenylether	16.33	248	43575	5.23	ng	95
21) Hexachlorobenzene	16.45	284	41402	4.77	ng	96
22) Pentachlorophenol	16.79	266	56236	15.67	ng	# 89
23) Phenanthrene	17.17	178	268673	6.16	ng	99
24) Anthracene	17.26	178	269332	5.55	ng	98
25) Fluoranthene	19.19	202	317477	5.36	ng	# 84
27) Benzidine	19.30	184	898	0.02	ng	# 1
28) Pyrene	19.55	202	316157	5.96	ng	98
30) Benzo(a)anthracene	21.27	228	356077	6.10	ng	# 89
31) 3,3'-Dichlorobenzidine	21.22	252	1009	0.03	ng	# 21
32) Chrysene	21.27	228	356077	7.10	ng	93
33) Bis(2-ethylhexyl)phthalate	21.20	149	272266	8.03	ng	# 84
34) Indeno(1,2,3-cd)pyrene	26.28	276	331540	5.55	ng	97
36) Benzo(b)fluoranthene	22.97	252	292632	4.99	ng	98
37) Benzo(k)fluoranthene	23.03	252	301759	5.03	ng	96
38) Benzo(a)pyrene	23.61	252	291363	5.21	ng	97
39) Dibenzo(a,h)anthracene	26.29	278	276986	5.07	ng	97
40) Benzo(g,h,i)perylene	27.06	276	279632	4.96	ng	97

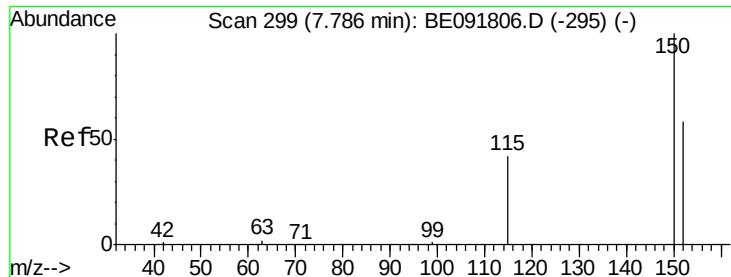
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051916\
Data File : BE091824.D
Acq On : 19 May 2016 23:50
Operator : UM/SJ
Sample : H3084-08MSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SS043MW011-160512MSD

Quant Time: May 20 04:51:16 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

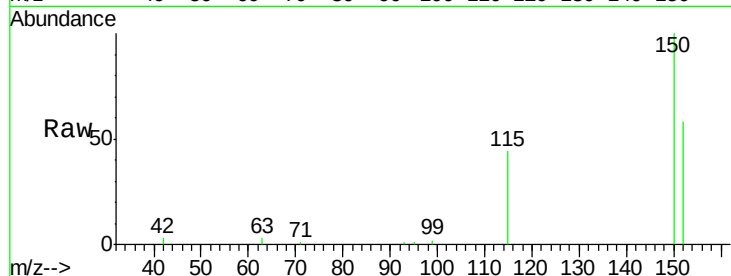
Tgt Ion:152 Resp: 27028

Ion Ratio Lower Upper

152 100

150 173.1 122.6 183.8

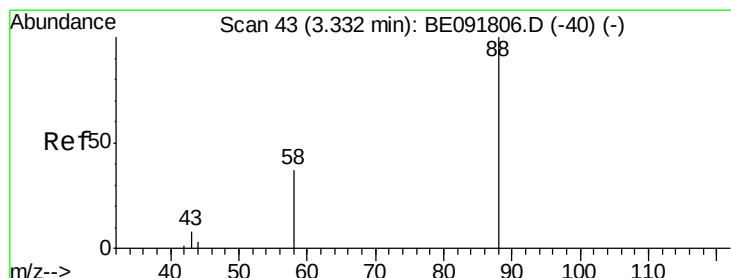
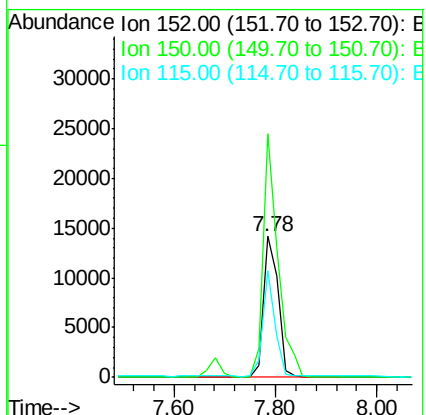
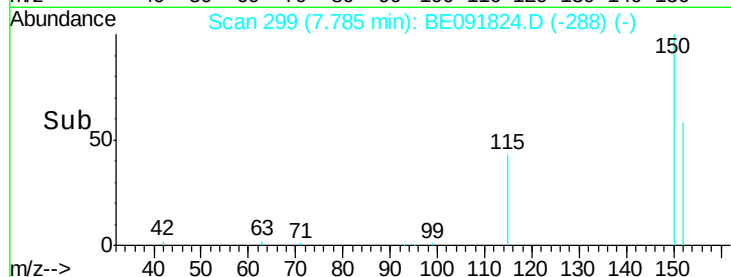
115 75.4 52.8 79.2



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: 74.68 ng

RT: 3.33 min Scan# 43

Delta R.T. -0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

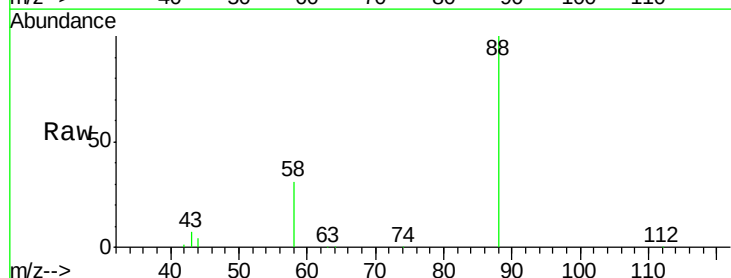
Tgt Ion: 88 Resp: 218892

Ion Ratio Lower Upper

88 100

58 90.4 65.8 98.6

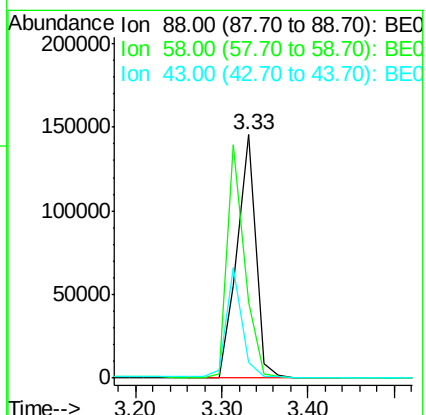
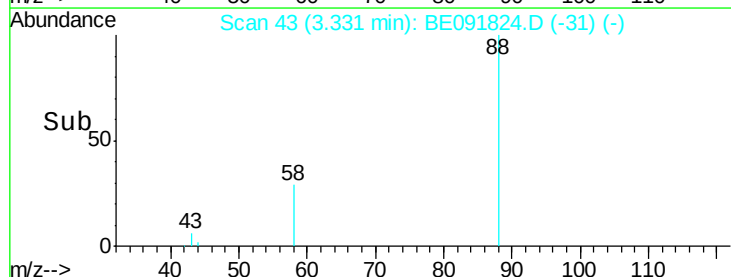
43 37.9 25.3 37.9

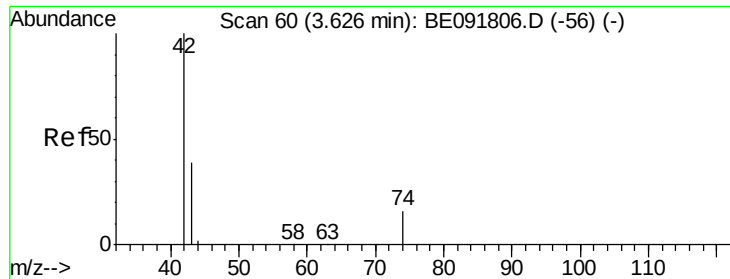


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.71 ng

RT: 3.63 min Scan# 60

Delta R.T. -0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

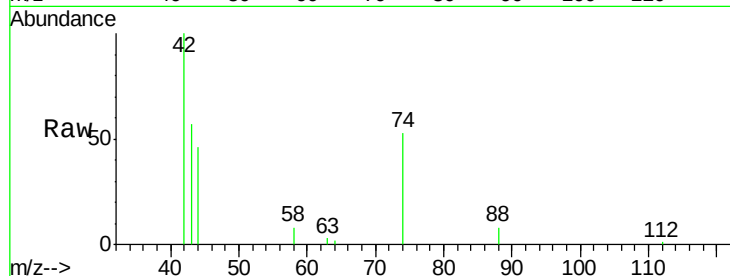
Tgt Ion: 42 Resp: 7389

Ion Ratio Lower Upper

42 100

74 102.2 87.9 131.9

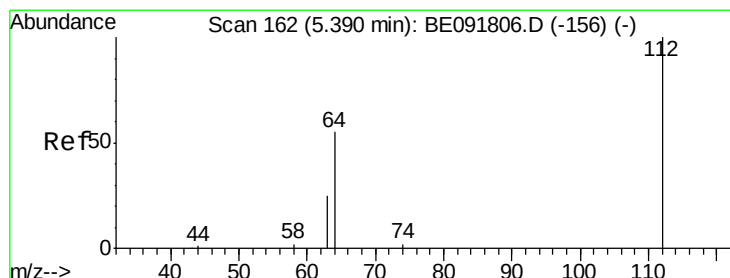
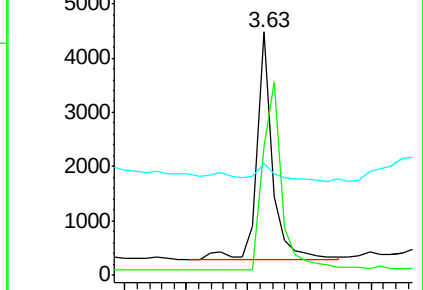
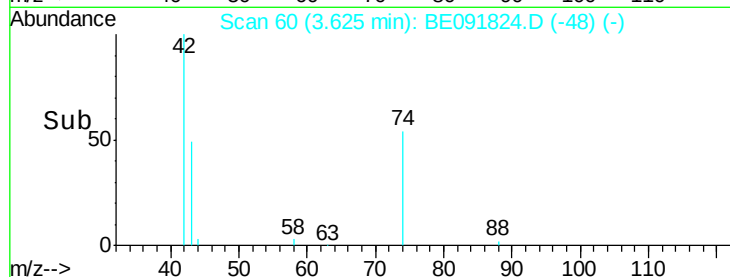
44 9.9 6.6 9.8#



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: 3.37 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

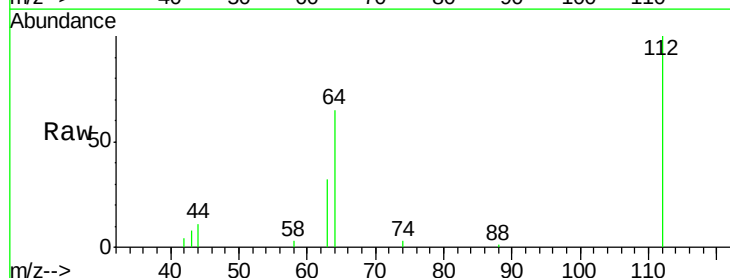
Tgt Ion: 112 Resp: 23788

Ion Ratio Lower Upper

112 100

64 70.8 30.9 46.3#

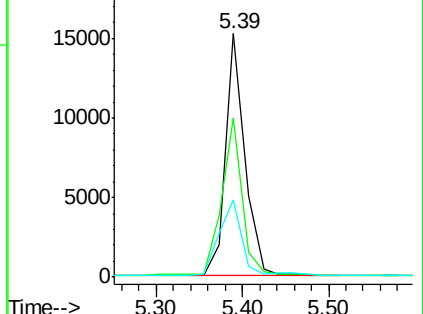
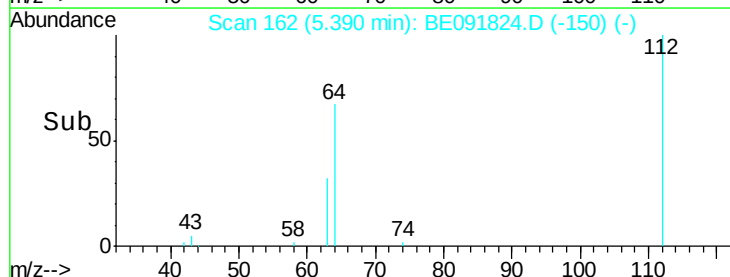
63 37.5 16.7 25.1#

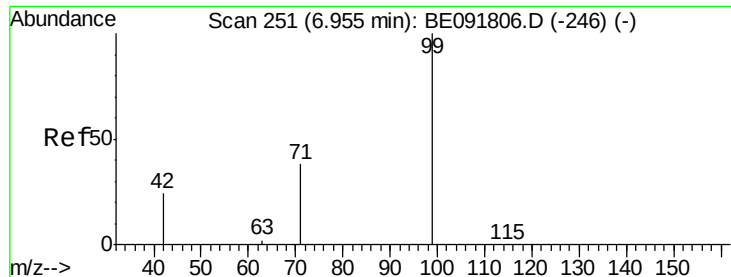


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 2.85 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

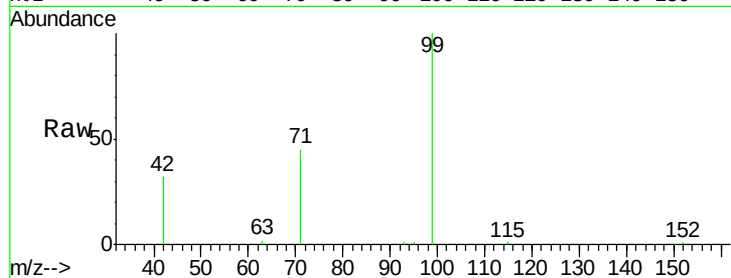
Tgt Ion: 99 Resp: 28379

Ion Ratio Lower Upper

99 100

42 25.3 16.2 24.2#

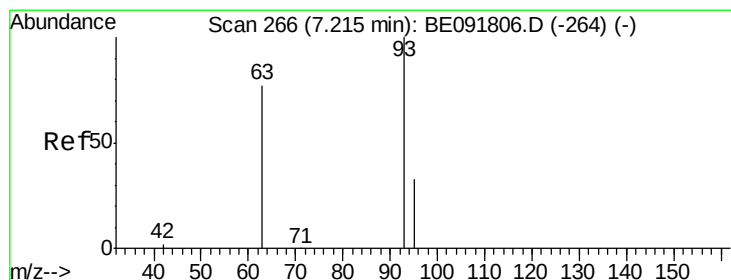
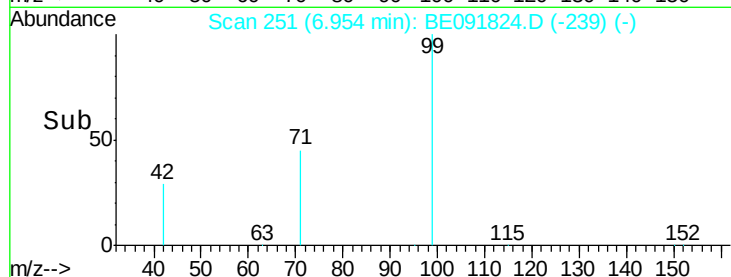
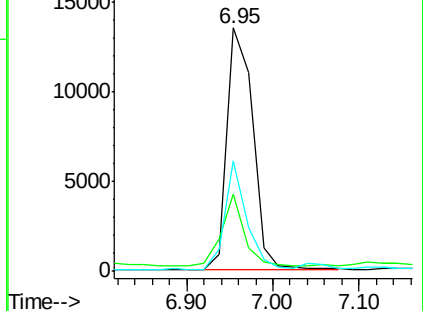
71 37.7 29.0 43.4



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: 21.42 ng

RT: 7.21 min Scan# 266

Delta R.T. -0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

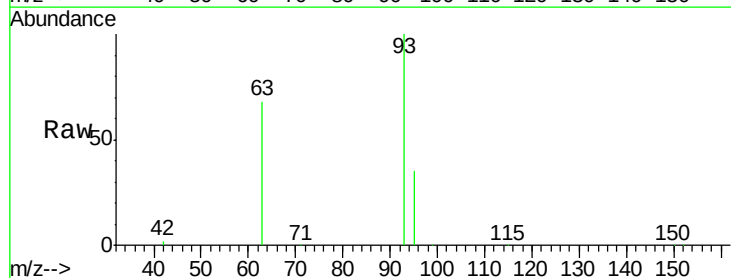
Tgt Ion: 93 Resp: 170984

Ion Ratio Lower Upper

93 100

63 85.9 49.5 74.3#

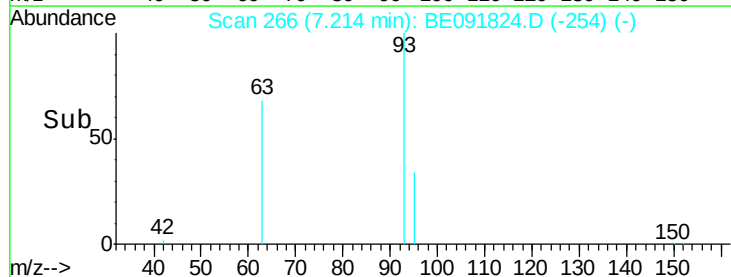
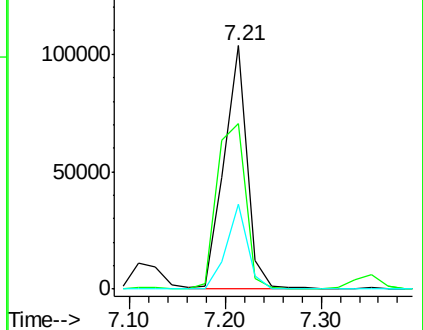
95 32.6 22.2 33.4

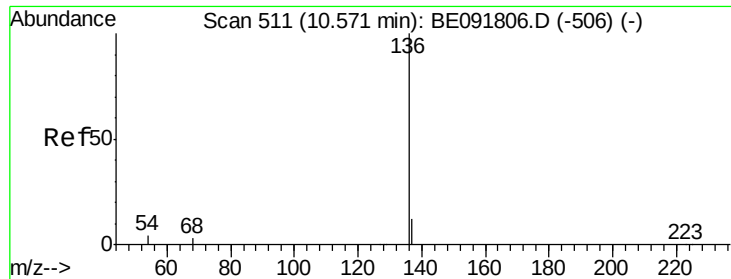


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

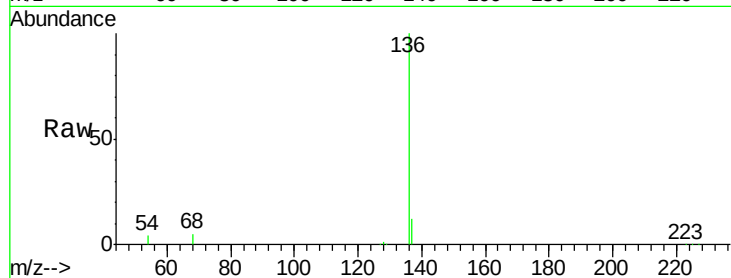
BNA_E

ClientSampleId :

SS043MW011-160512MSD

Tgt Ion: 136 Resp: 144401

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.9	13.3
54	4.4	8.2	12.4#
68	4.7	6.2	9.4#

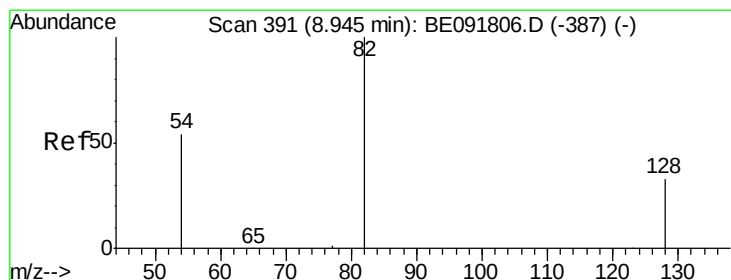
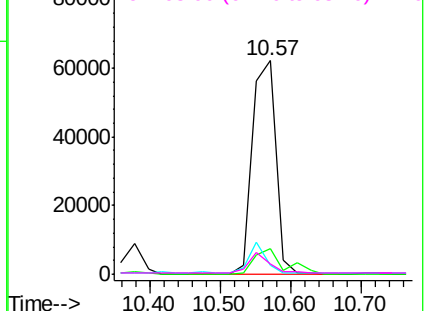
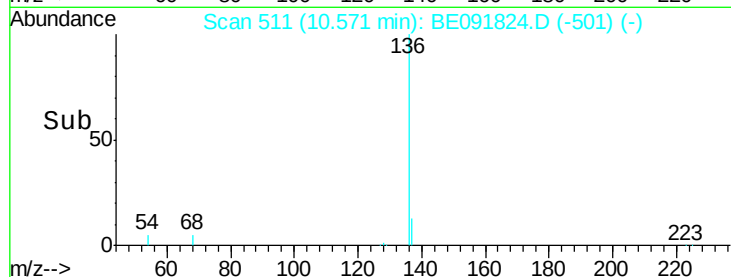


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.50 ng

RT: 8.94 min Scan# 390

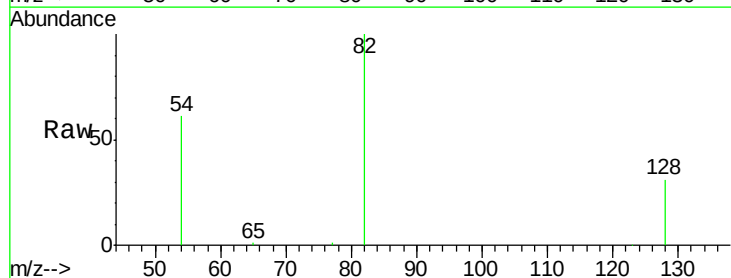
Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Tgt Ion: 82 Resp: 43108

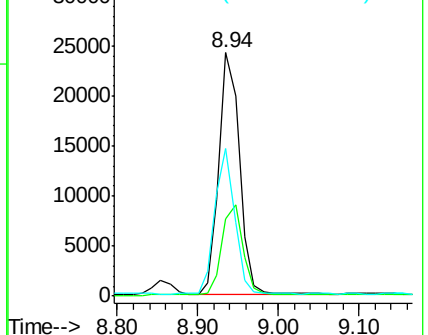
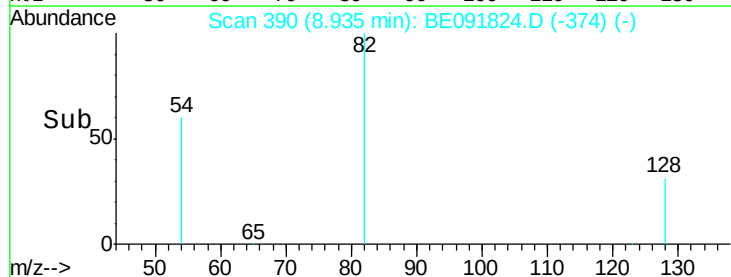
Ion	Ratio	Lower	Upper
82	100		
128	31.5	25.4	38.0
54	60.8	48.4	72.6

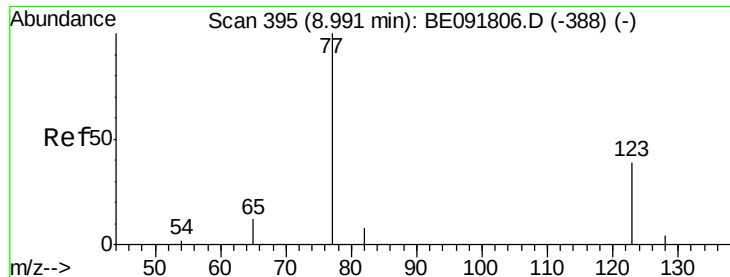


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.60 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

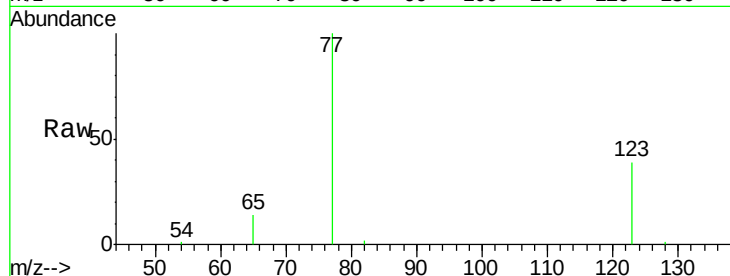
Tgt Ion: 77 Resp: 45284

Ion Ratio Lower Upper

77 100

123 38.2 26.9 40.3

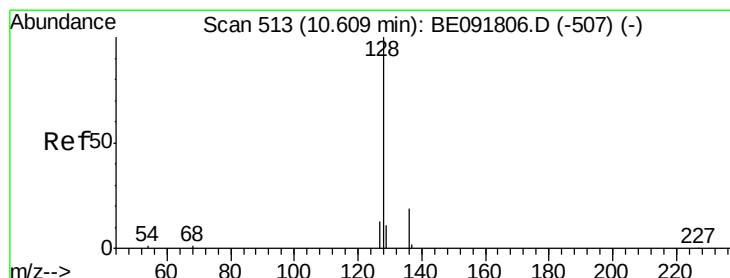
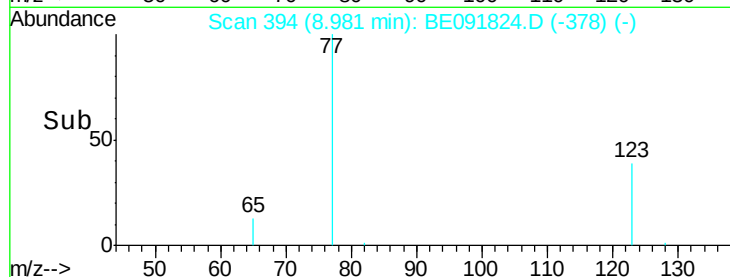
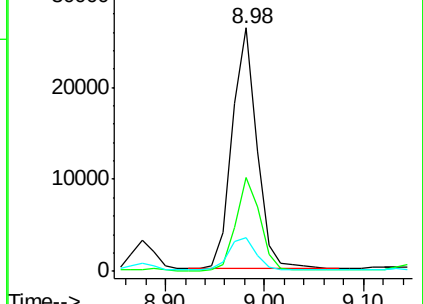
65 14.5 9.4 14.2#



Abundance Ion 77.00 (76.70 to 77.70): BE091806.D (-388) (-)

Ion 123.00 (122.70 to 123.70): BE091806.D (-388) (-)

Ion 65.00 (64.70 to 65.70): BE091806.D (-388) (-)



#10

Naphthalene

Concen: 3.83 ng

RT: 10.61 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

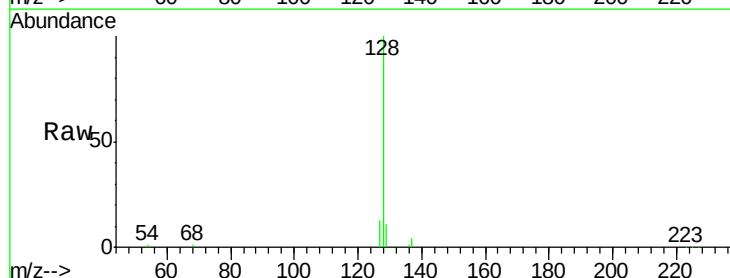
Tgt Ion: 128 Resp: 122279

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

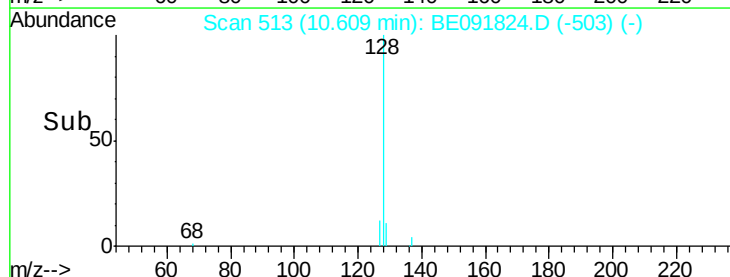
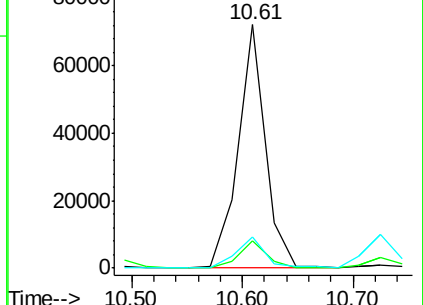
127 12.6 10.7 16.1

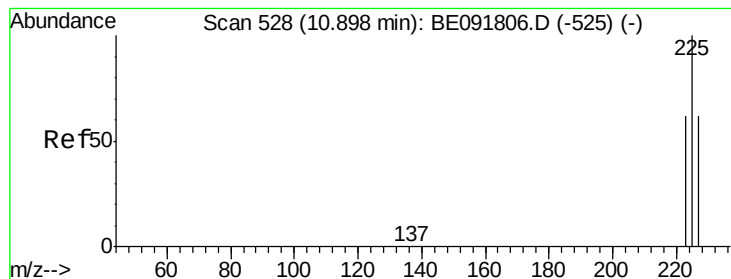


Abundance Ion 128.00 (127.70 to 128.70): BE091806.D (-507) (-)

Ion 129.00 (128.70 to 129.70): BE091806.D (-507) (-)

Ion 127.00 (126.70 to 127.70): BE091806.D (-507) (-)





#11

Hexachlorobutadiene

Concen: 3.58 ng

RT: 10.90 min Scan# 528

Delta R.T. -0.02 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

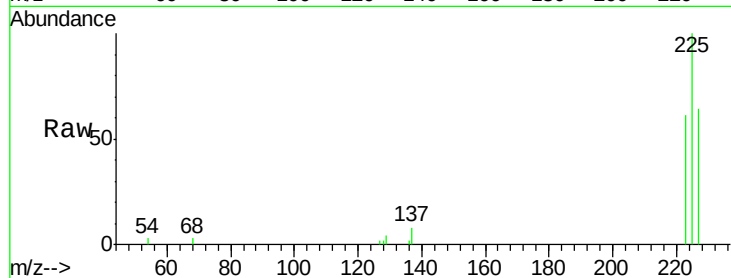
Tgt Ion:225 Resp: 16941

Ion Ratio Lower Upper

225 100

223 64.2 49.0 73.6

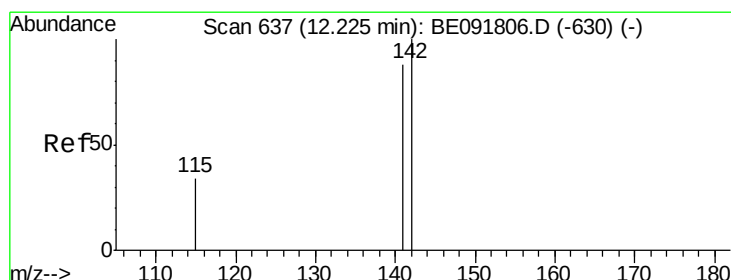
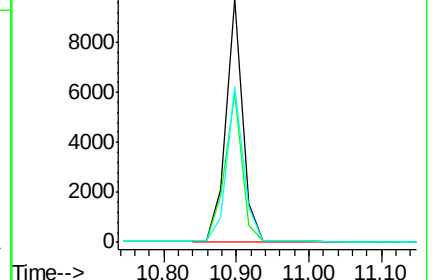
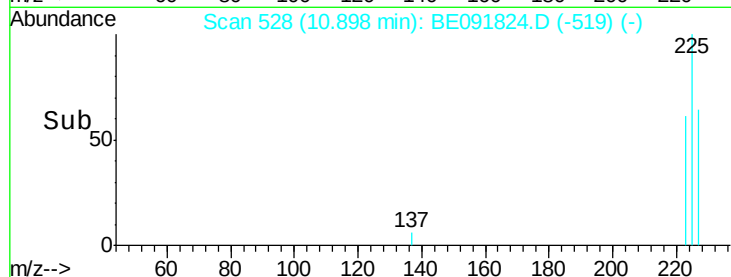
227 64.8 50.3 75.5



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



#12

2-Methylnaphthalene

Concen: 4.56 ng

RT: 12.22 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

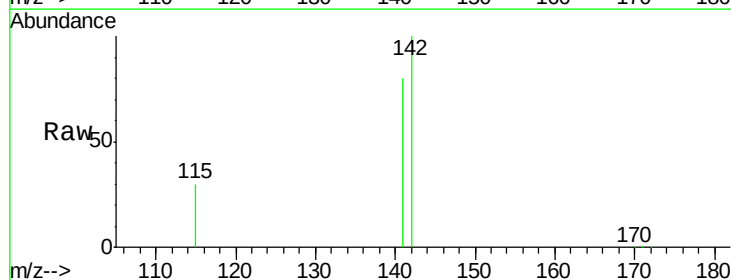
Tgt Ion:142 Resp: 98037

Ion Ratio Lower Upper

142 100

141 80.3 71.4 107.0

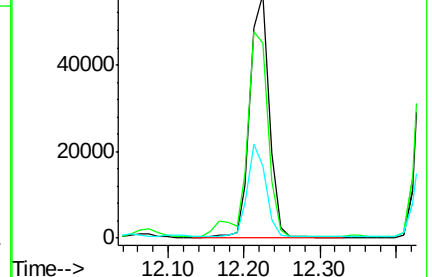
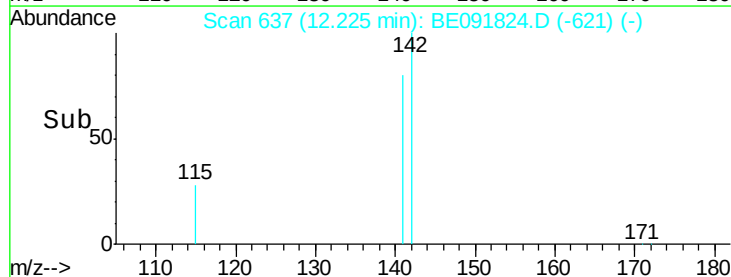
115 29.5 30.3 45.5#

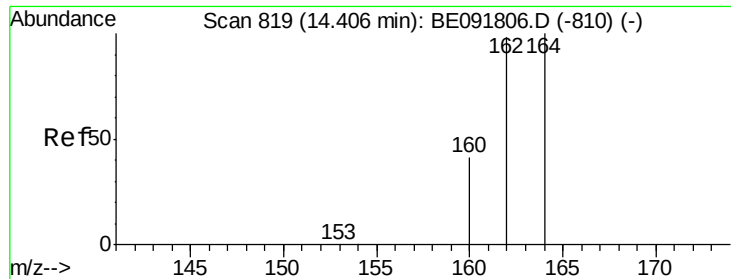


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

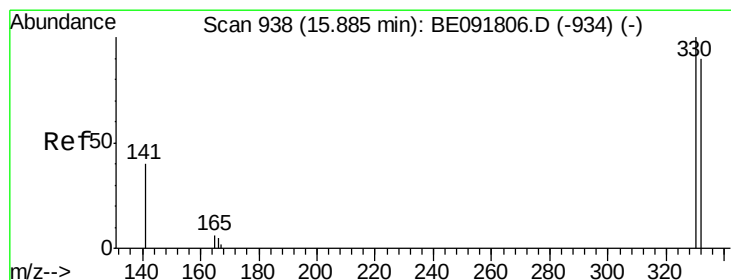
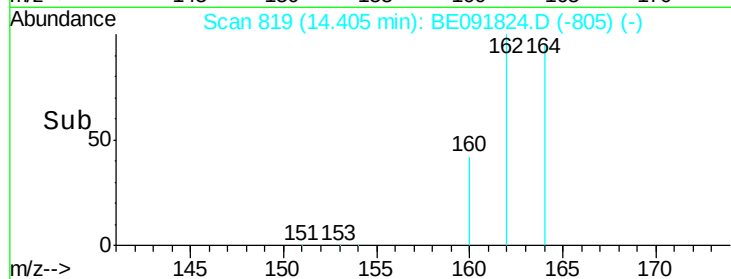
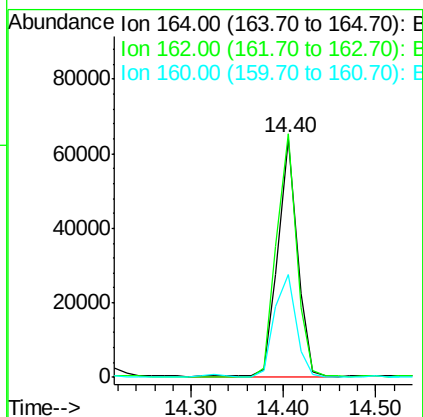
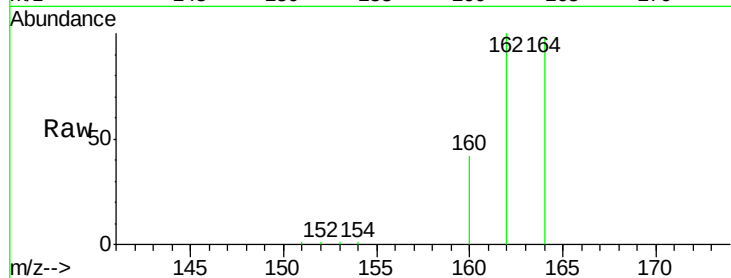
Tgt Ion:164 Resp: 94489

Ion Ratio Lower Upper

164 100

162 101.9 85.3 127.9

160 43.0 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 10.33 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

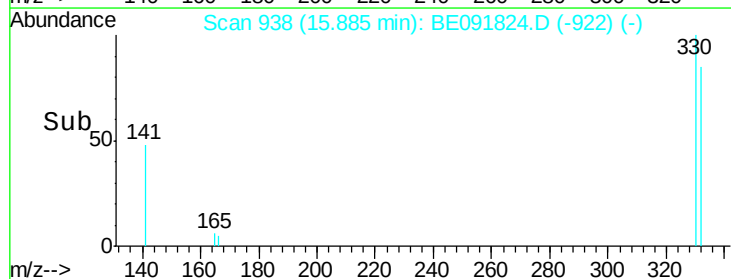
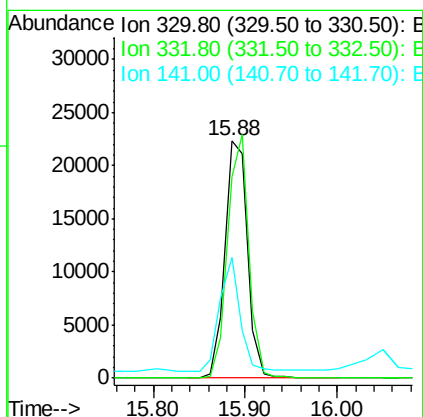
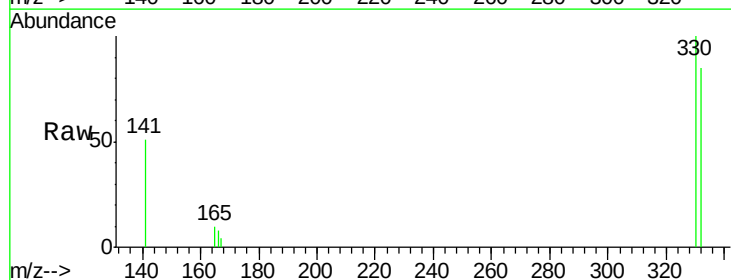
Tgt Ion:330 Resp: 37900

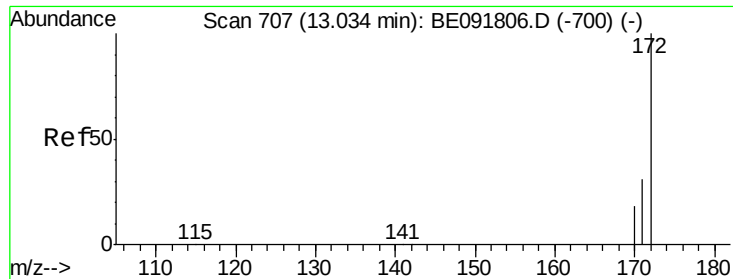
Ion Ratio Lower Upper

330 100

332 96.9 79.1 118.7

141 43.9 125.4 188.0#

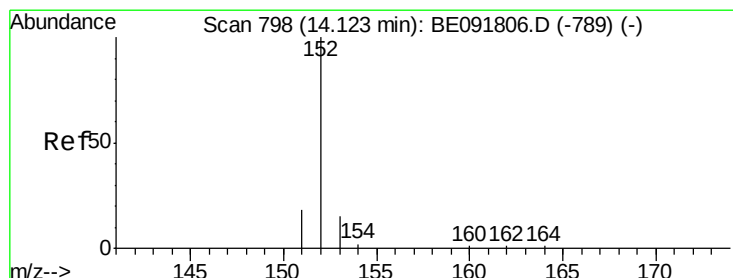
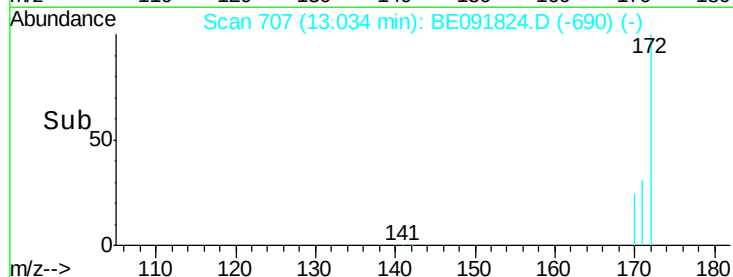
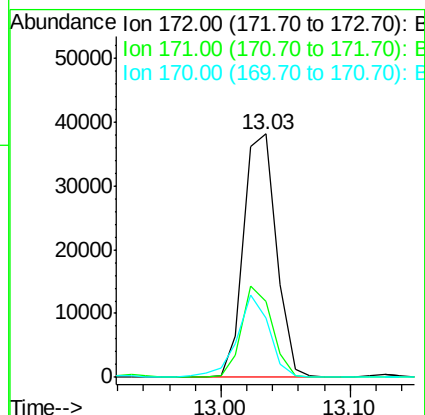
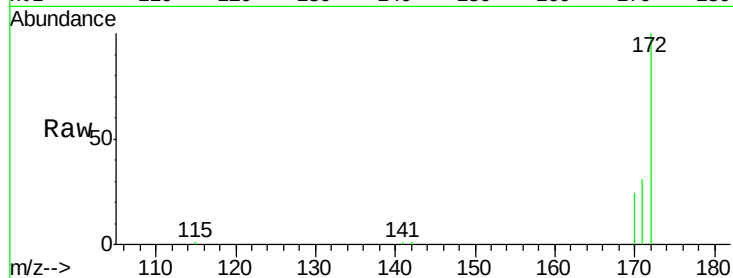




#15
2-Fluorobiphenyl
Concen: 2.51 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091824.D
Acq: 19 May 2016 23:50

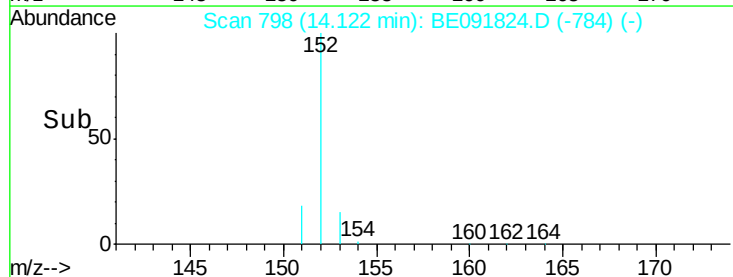
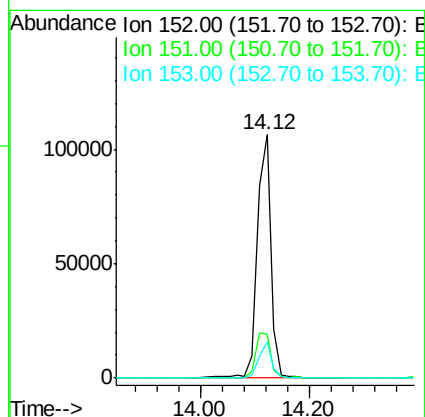
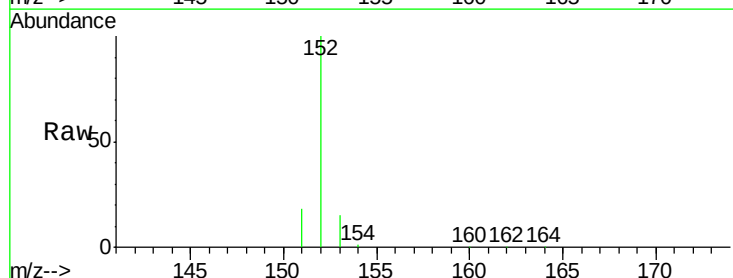
Instrument :
BNA_E
ClientSampleId :
SS043MW011-160512MSD

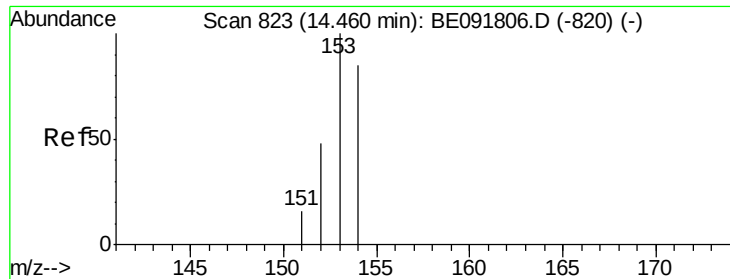
Tgt Ion:172 Resp: 67031
Ion Ratio Lower Upper
172 100
171 31.0 28.8 43.2
170 24.4 19.3 28.9



#16
Acenaphthylene
Concen: 4.72 ng
RT: 14.12 min Scan# 798
Delta R.T. -0.00 min
Lab File: BE091824.D
Acq: 19 May 2016 23:50

Tgt Ion:152 Resp: 198868
Ion Ratio Lower Upper
152 100
151 21.9 3.9 5.9#
153 15.0 10.3 15.5





#17

Acenaphthene

Concen: 6.16 ng

RT: 14.46 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

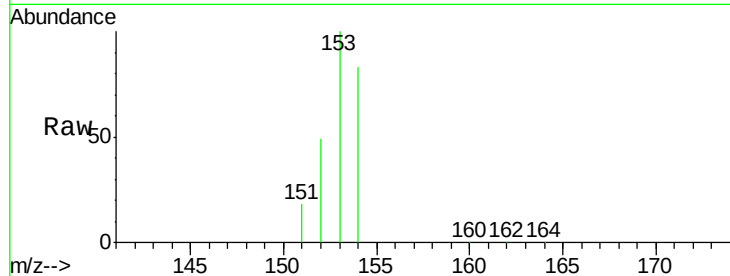
Tgt Ion:154 Resp: 156101

Ion Ratio Lower Upper

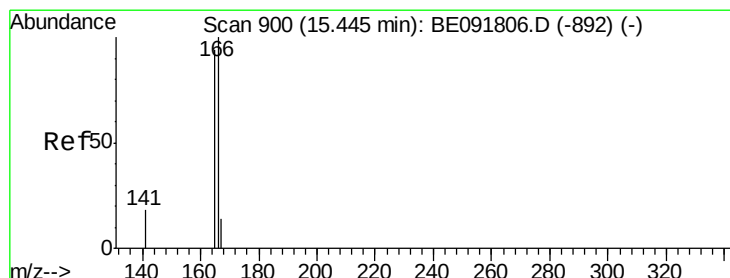
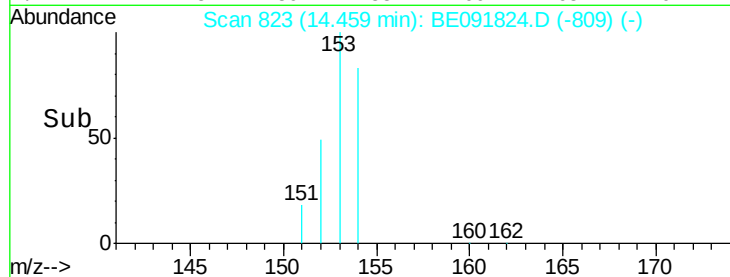
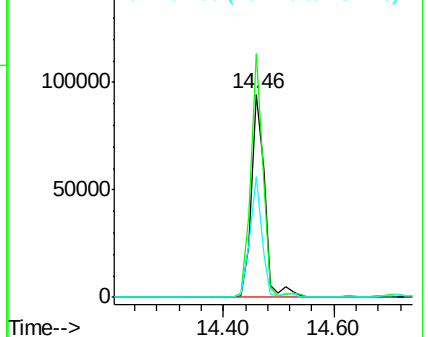
154 100

153 108.6 80.0 120.0

152 52.6 40.0 60.0



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: 5.62 ng

RT: 15.45 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

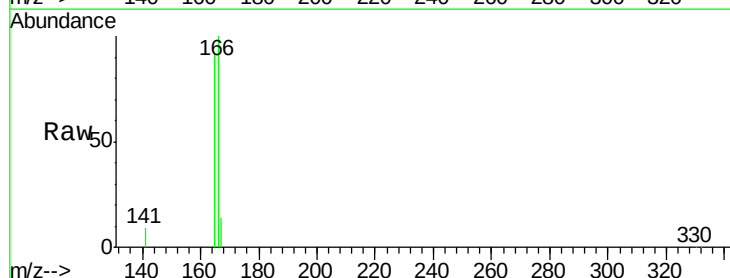
Tgt Ion:166 Resp: 184532

Ion Ratio Lower Upper

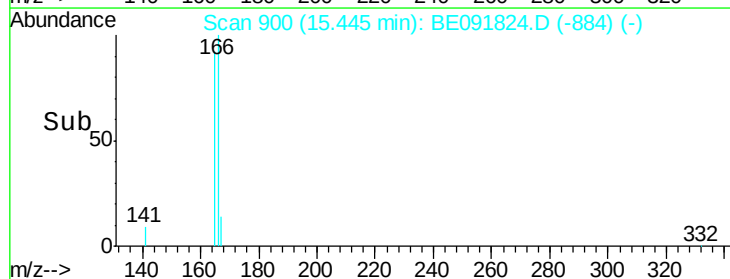
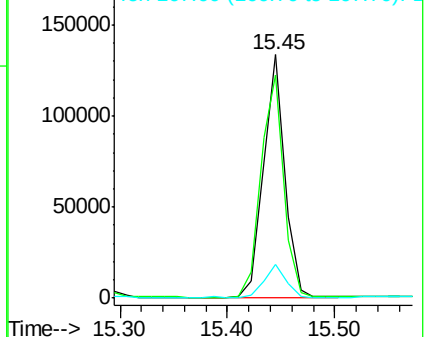
166 100

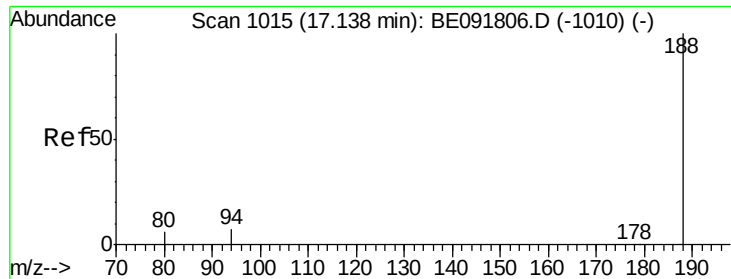
165 97.2 80.8 121.2

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: 17.14 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

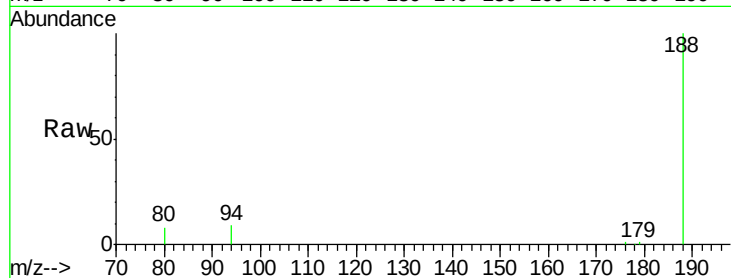
Tgt Ion:188 Resp: 223020

Ion Ratio Lower Upper

188 100

94 9.0 8.7 13.1

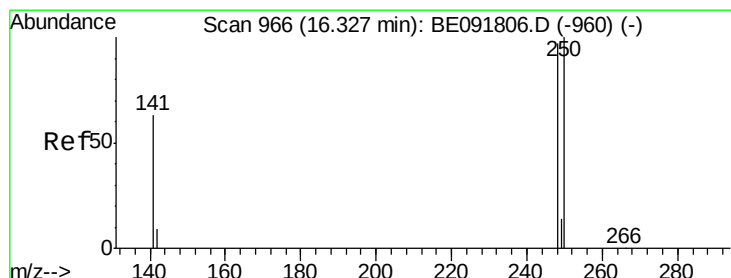
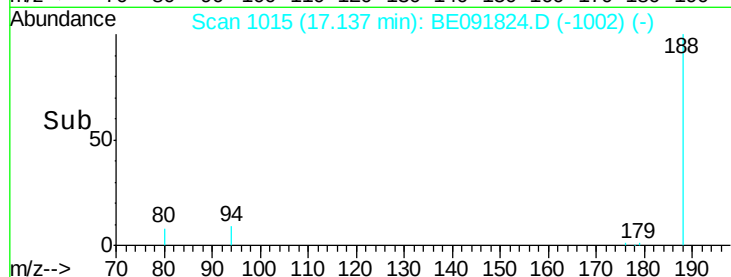
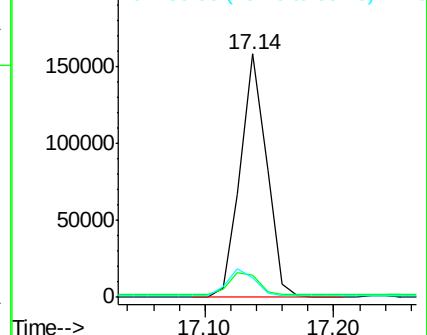
80 8.2 9.4 14.0#



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: 5.23 ng

RT: 16.33 min Scan# 966

Delta R.T. 0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

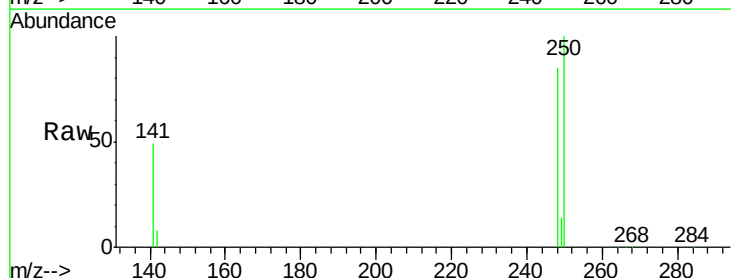
Tgt Ion:248 Resp: 43575

Ion Ratio Lower Upper

248 100

250 100.1 80.5 120.7

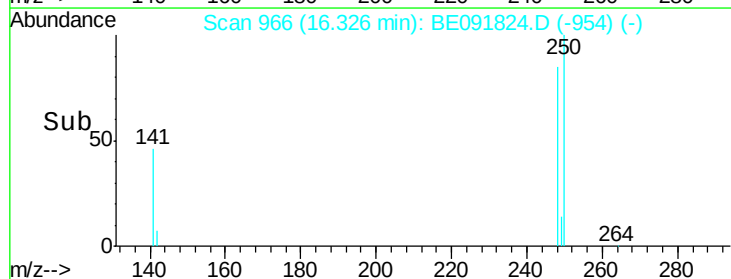
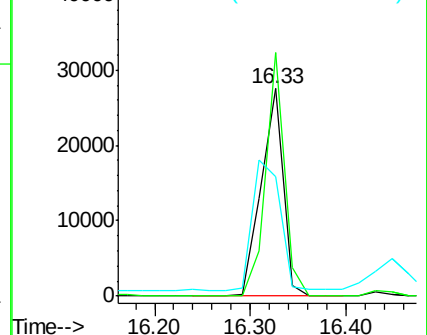
141 80.7 72.0 108.0

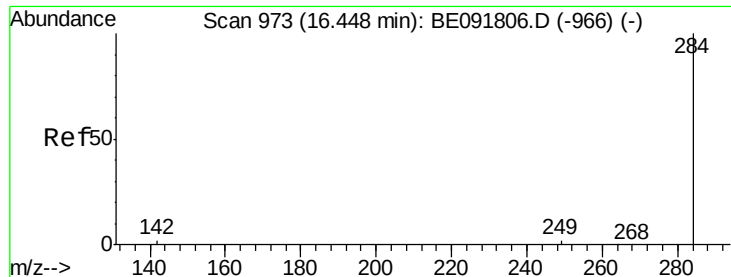


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

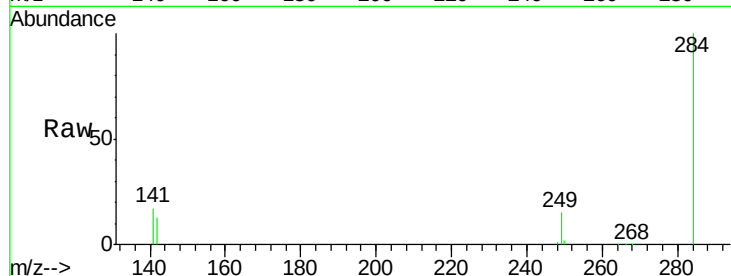




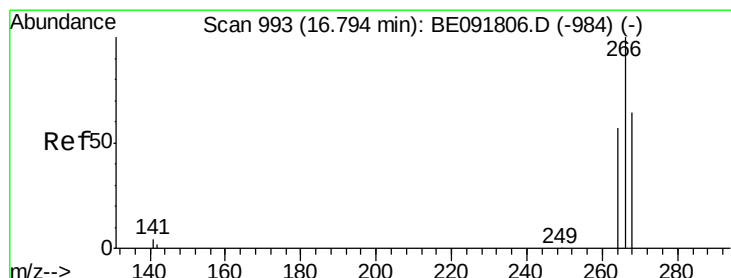
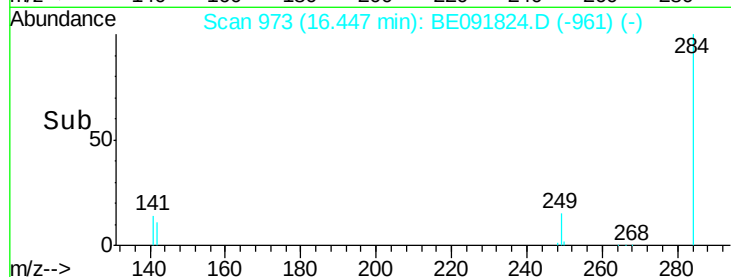
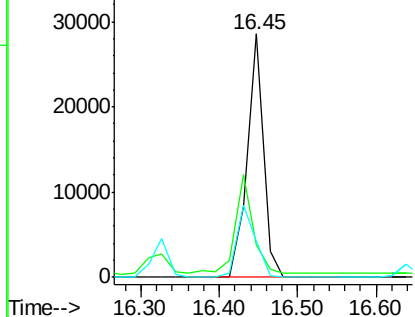
#21
Hexachlorobenzene
Concen: 4.77 ng
RT: 16.45 min Scan# 973
Delta R.T. 0.00 min
Lab File: BE091824.D
Acq: 19 May 2016 23:50

Instrument :
BNA_E
ClientSampleId :
SS043MW011-160512MSD

Tgt Ion: 284 Resp: 41402
Ion Ratio Lower Upper
284 100
142 43.9 32.2 48.2
249 32.7 25.4 38.2

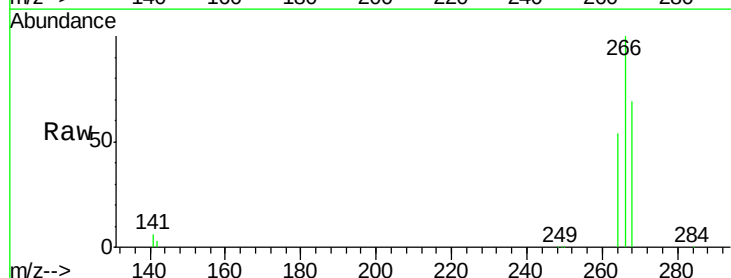


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

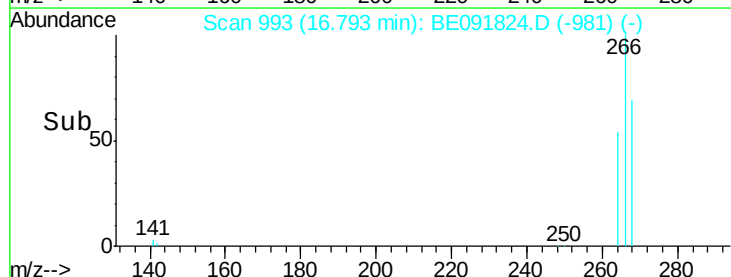
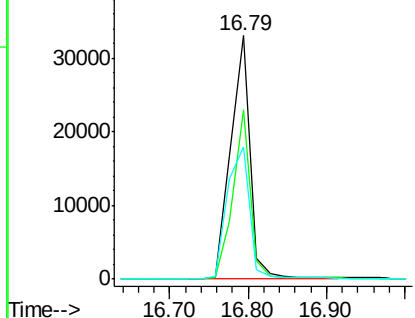


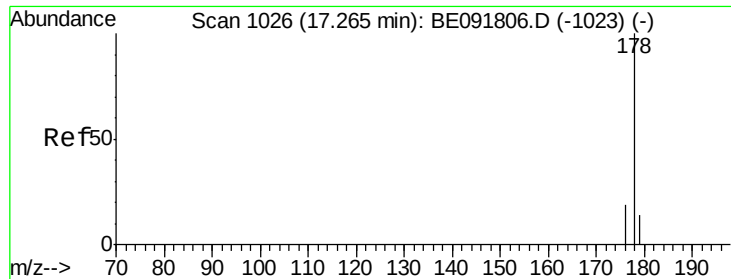
#22
Pentachlorophenol
Concen: 15.67 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091824.D
Acq: 19 May 2016 23:50

Tgt Ion: 266 Resp: 56236
Ion Ratio Lower Upper
266 100
268 69.4 58.2 87.2
264 54.5 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: 6.16 ng

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

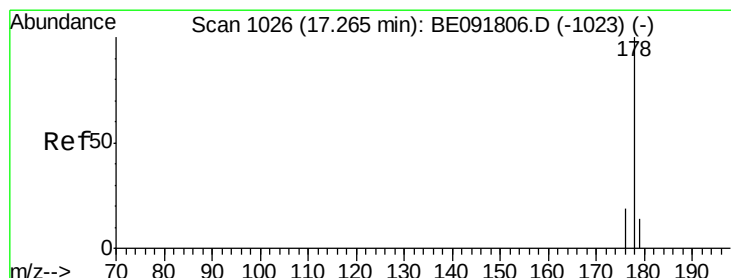
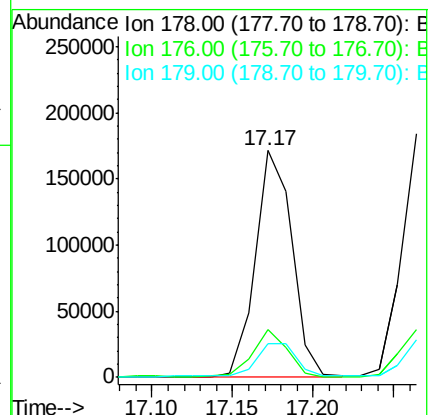
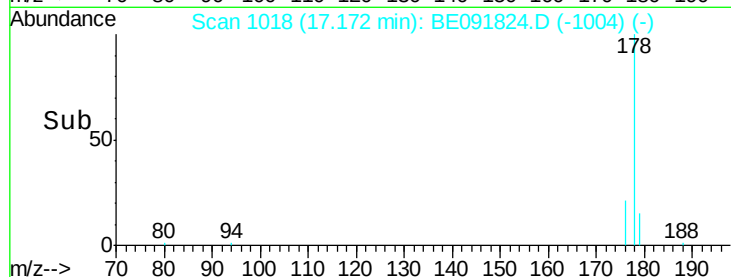
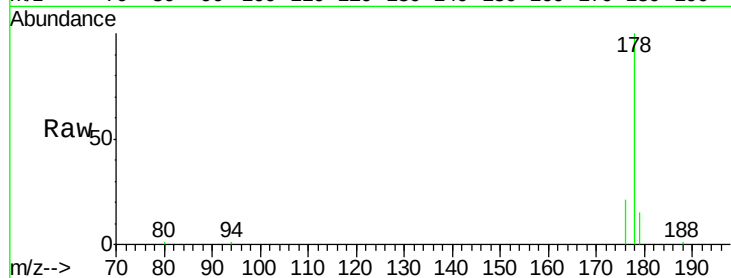
Tgt Ion:178 Resp: 268673

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 16.0 12.6 18.8



#24

Anthracene

Concen: 5.55 ng

RT: 17.26 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

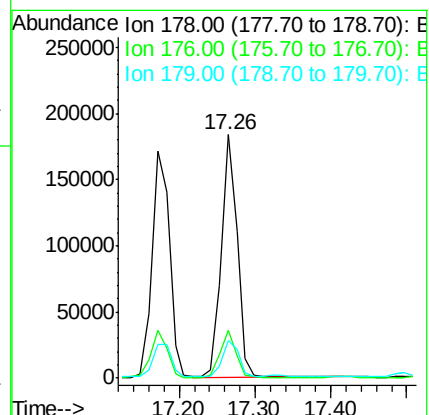
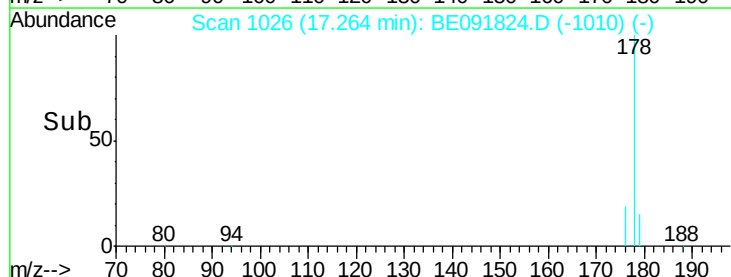
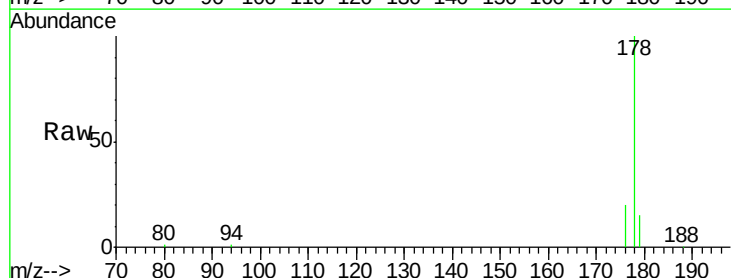
Tgt Ion:178 Resp: 269332

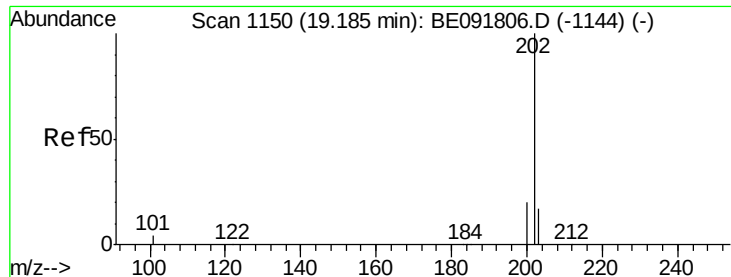
Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

179 15.5 11.8 17.6

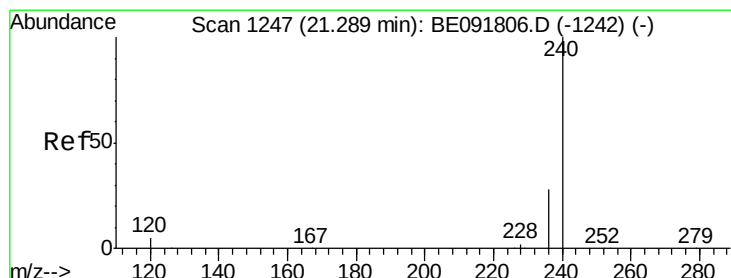
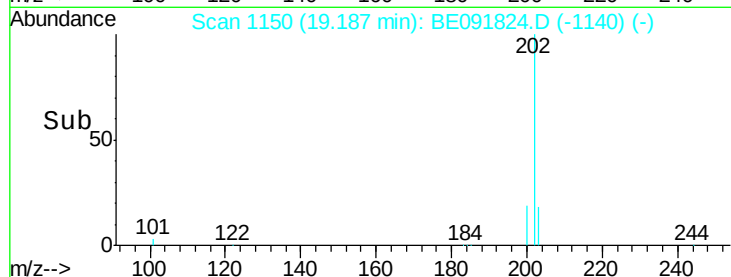
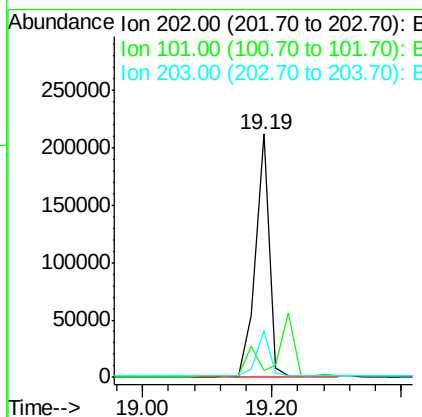
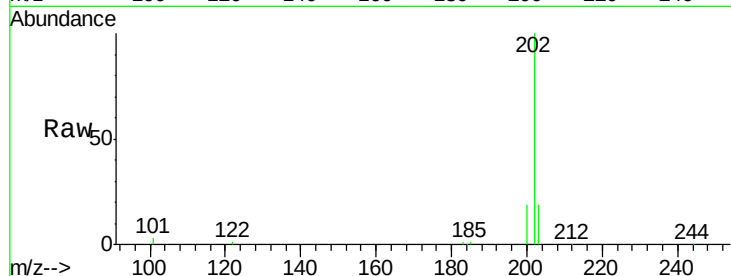




#25
 Fluoranthene
 Concen: 5.36 ng
 RT: 19.19 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

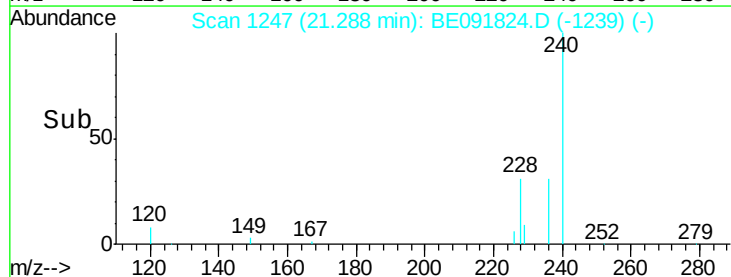
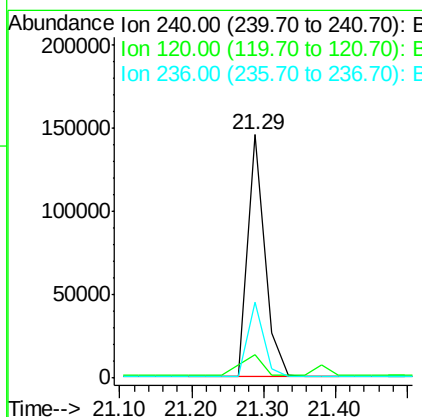
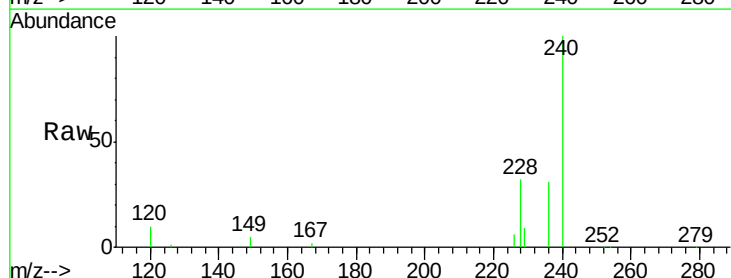
Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-160512MSD

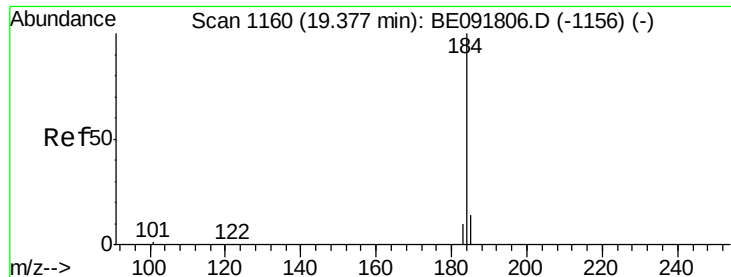
Tgt Ion: 202 Resp: 317477
 Ion Ratio Lower Upper
 202 100
 101 0.0 11.0 16.6#
 203 18.0 13.9 20.9



#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

Tgt Ion: 240 Resp: 241789
 Ion Ratio Lower Upper
 240 100
 120 9.6 11.0 16.4#
 236 31.2 21.7 32.5





#27

Benzidine

Concen: 0.02 ng

RT: 19.30 min Scan# 1156

Delta R.T. -0.08 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

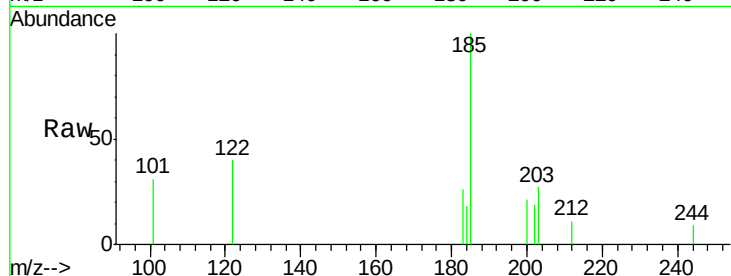
Tgt Ion:184 Resp: 898

Ion Ratio Lower Upper

184 100

185 559.5 22.3 33.5#

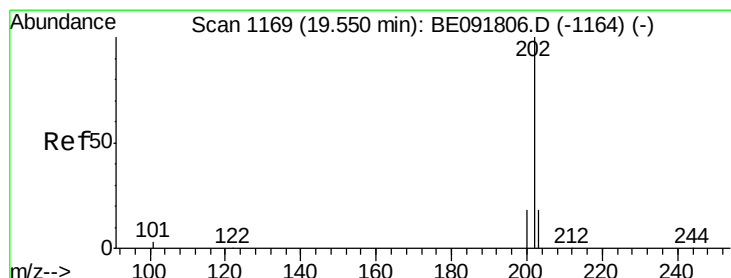
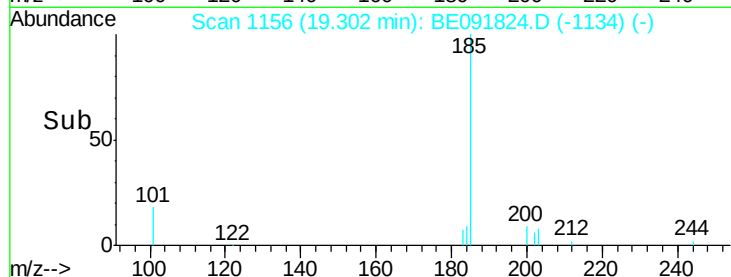
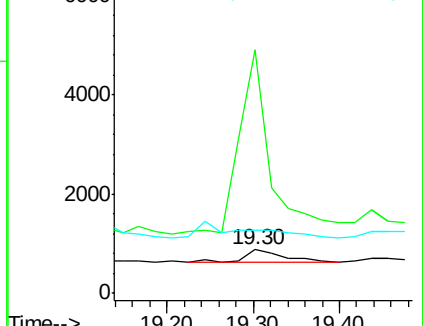
183 144.8 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 5.96 ng

RT: 19.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

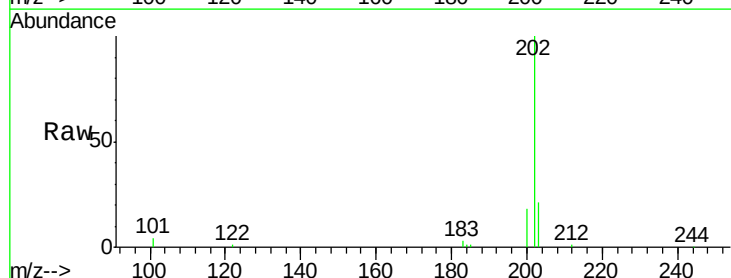
Tgt Ion:202 Resp: 316157

Ion Ratio Lower Upper

202 100

200 22.0 16.8 25.2

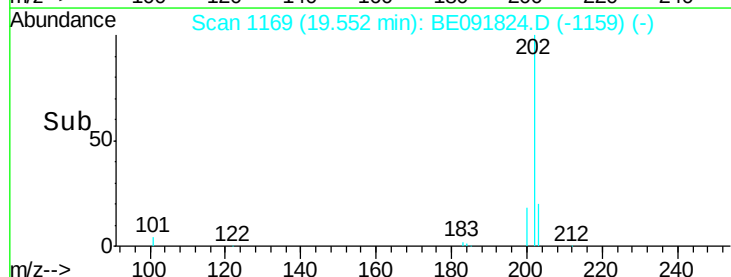
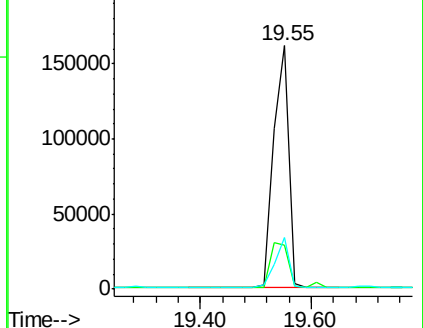
203 18.6 14.0 21.0

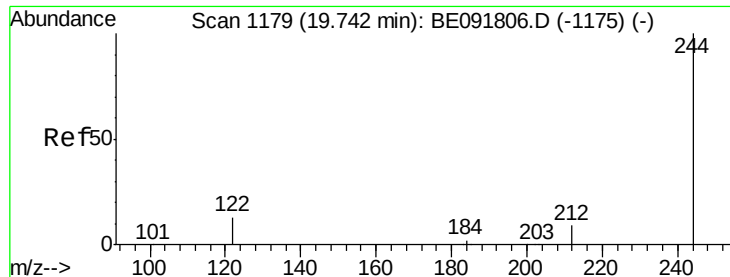


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 5.65 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

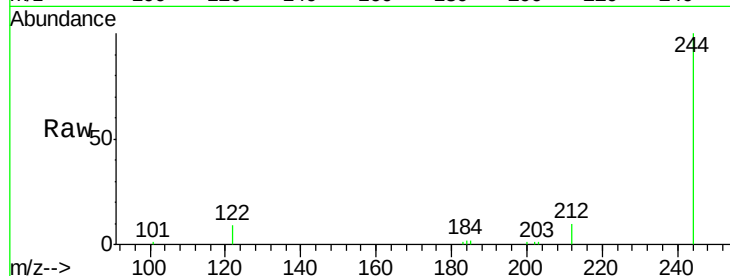
Tgt Ion:244 Resp: 193327

Ion Ratio Lower Upper

244 100

212 9.6 6.9 10.3

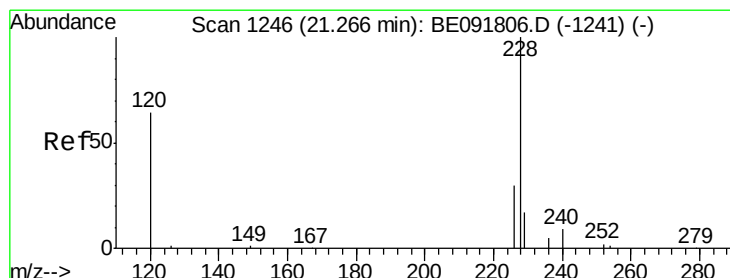
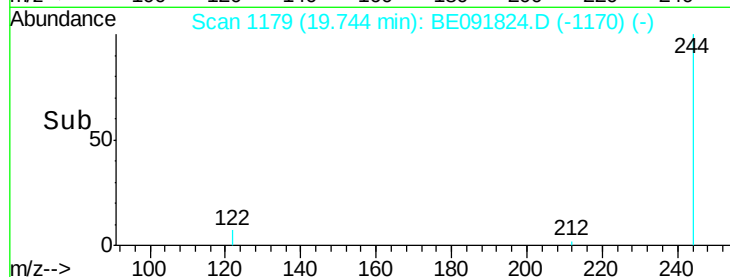
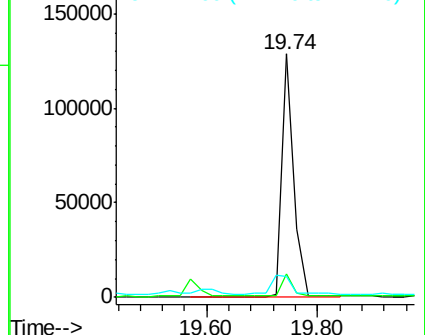
122 8.7 11.0 16.4#



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: 6.10 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

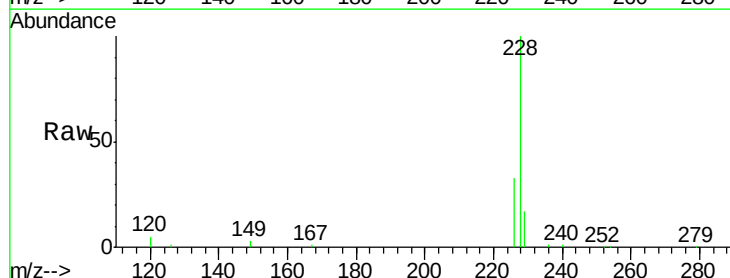
Tgt Ion:228 Resp: 356077

Ion Ratio Lower Upper

228 100

226 33.5 21.0 31.4#

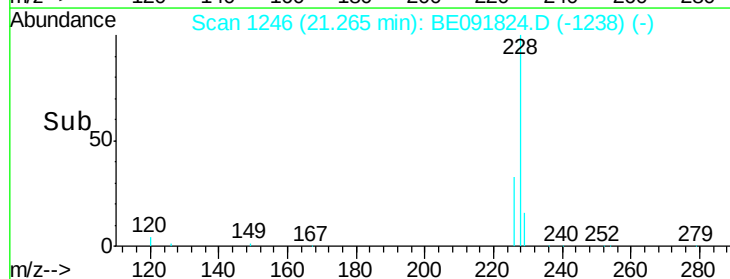
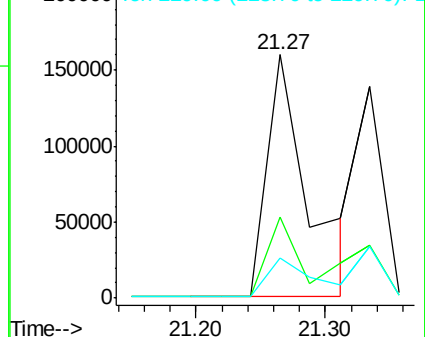
229 16.5 15.7 23.5

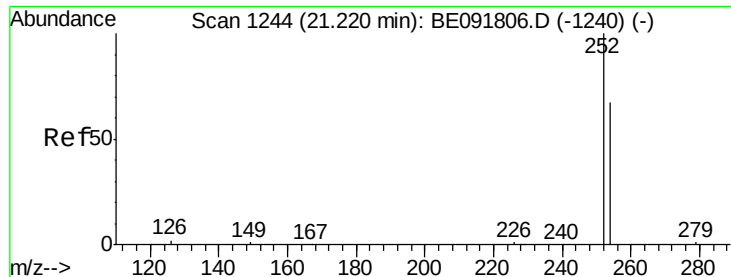


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

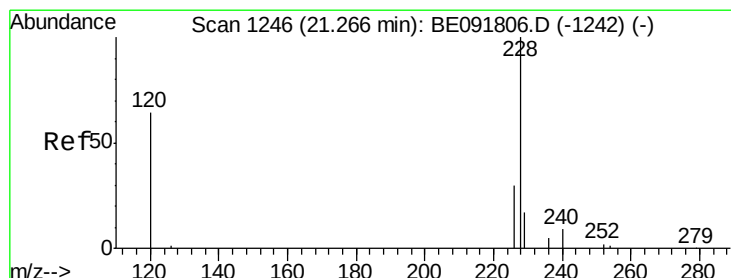
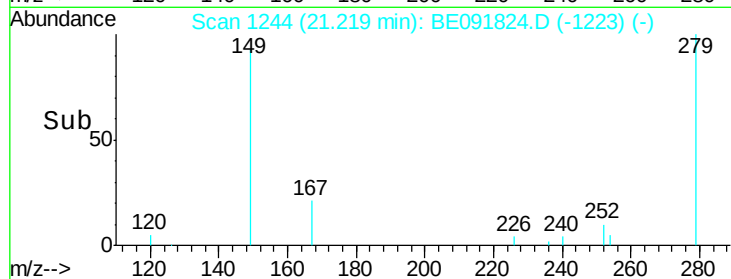
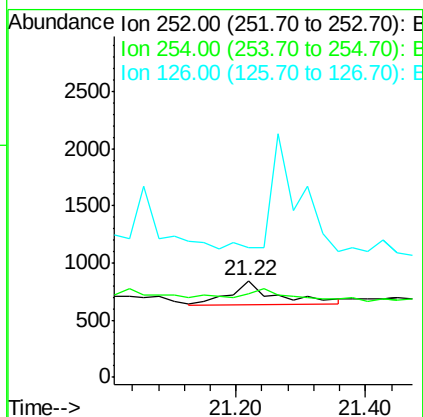
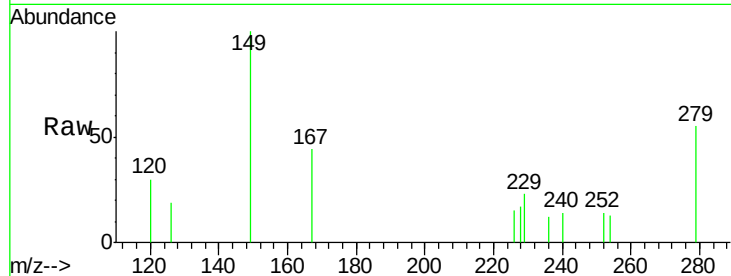




#31
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

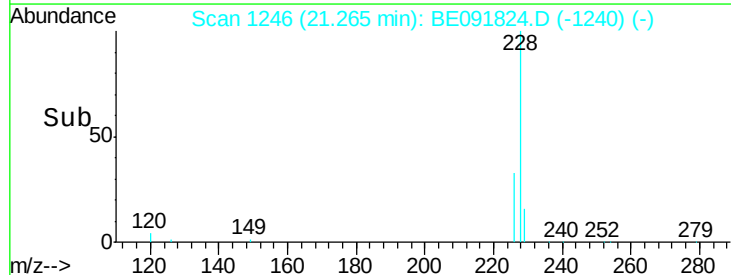
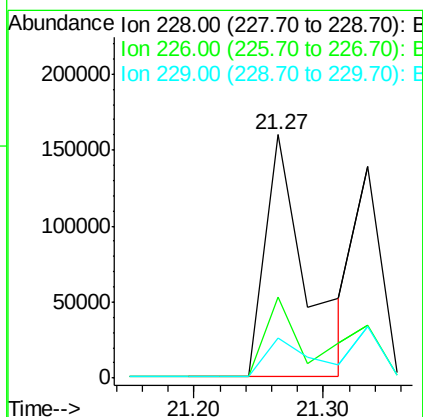
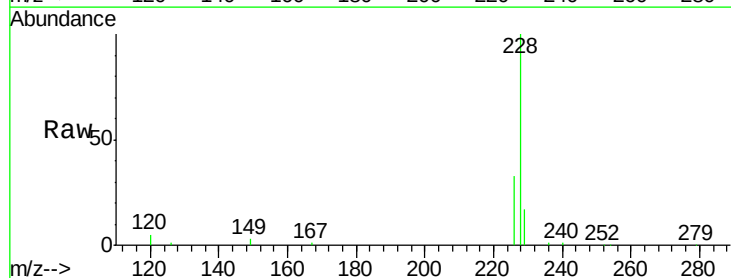
Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-160512MSD

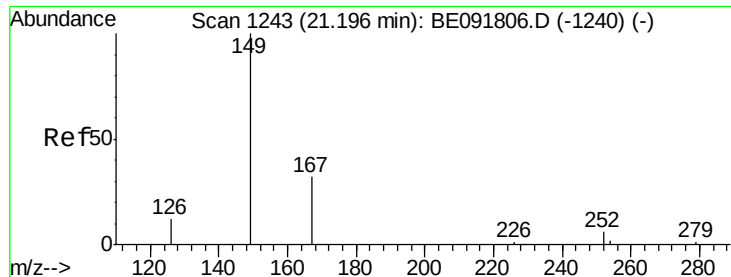
Tgt Ion: 252 Resp: 1009
 Ion Ratio Lower Upper
 252 100
 254 86.8 51.1 76.7#
 126 133.8 12.6 18.8#



#32
 Chrysene
 Concen: 7.10 ng
 RT: 21.27 min Scan# 1246
 Delta R.T. -0.07 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

Tgt Ion: 228 Resp: 356077
 Ion Ratio Lower Upper
 228 100
 226 33.5 24.0 36.0
 229 16.5 15.9 23.9

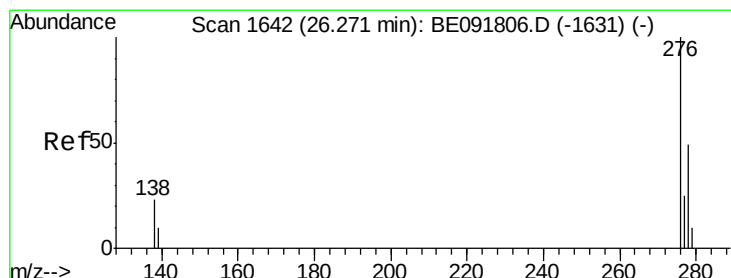
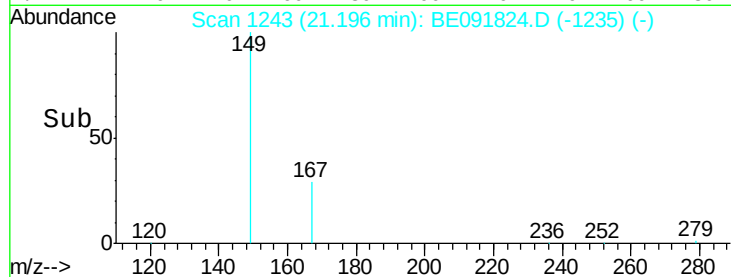
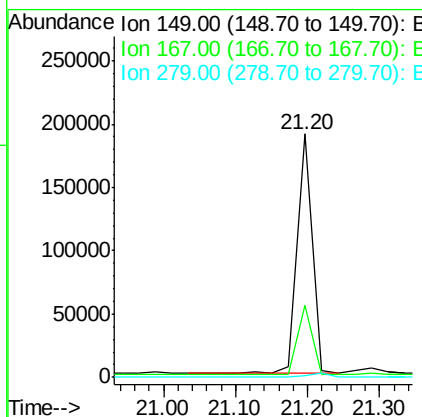
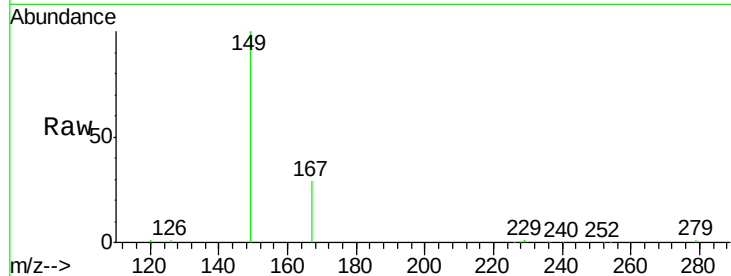




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 8.03 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

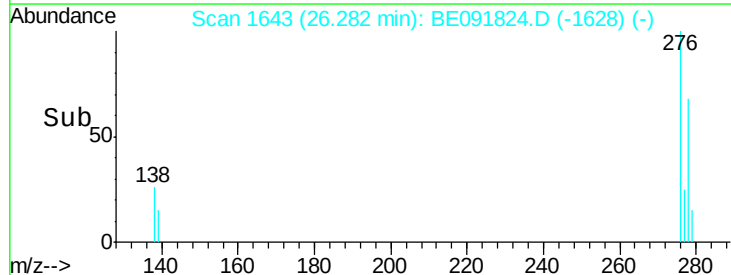
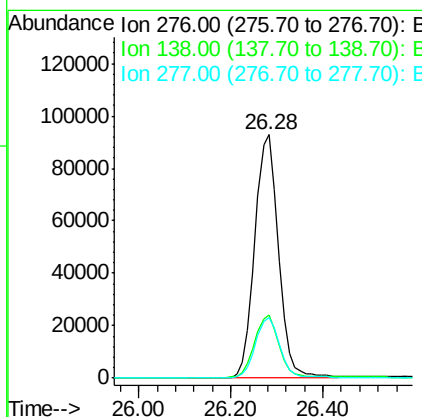
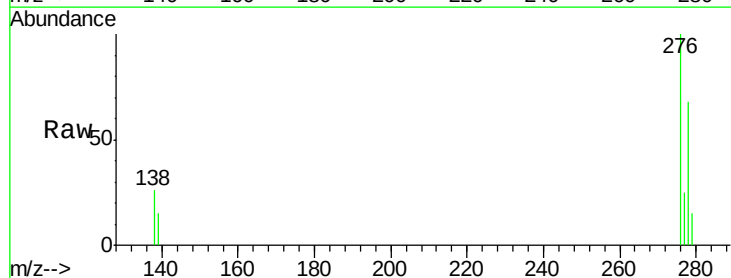
Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-160512MSD

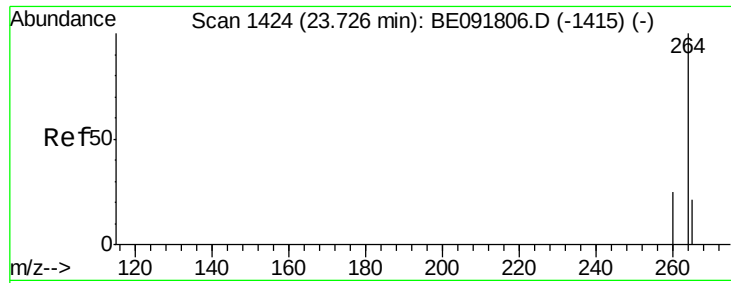
Tgt Ion: 149 Resp: 272266
 Ion Ratio Lower Upper
 149 100
 167 28.7 19.5 29.3
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 5.55 ng
 RT: 26.28 min Scan# 1643
 Delta R.T. -0.02 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

Tgt Ion: 276 Resp: 331540
 Ion Ratio Lower Upper
 276 100
 138 26.2 23.4 35.2
 277 25.2 19.8 29.8

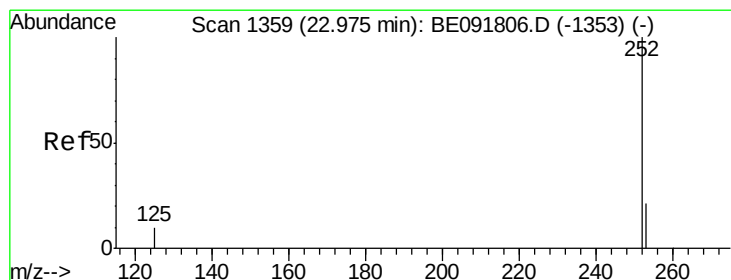
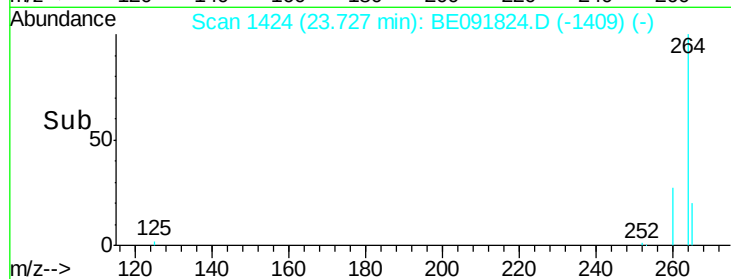
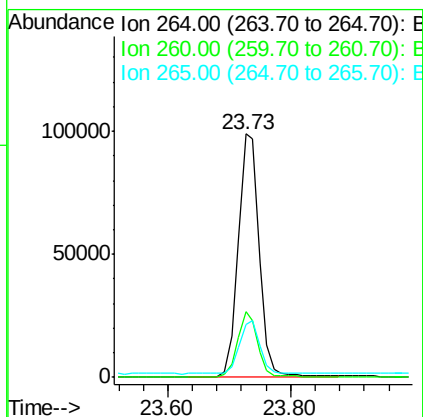
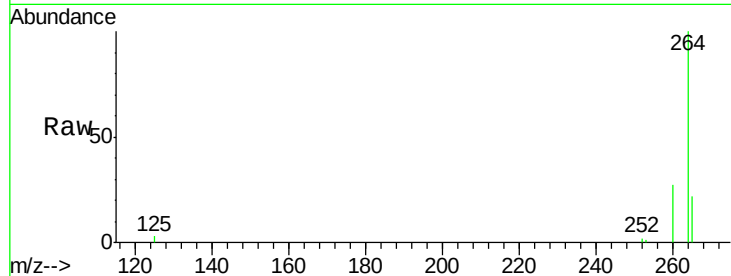




#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

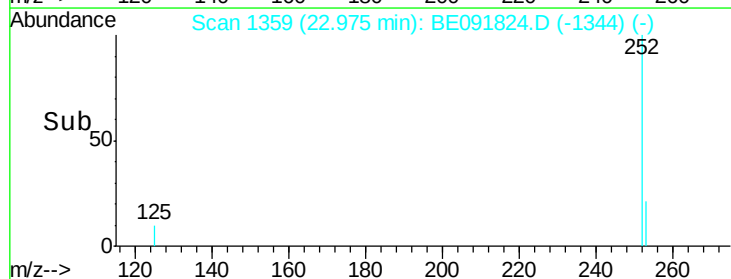
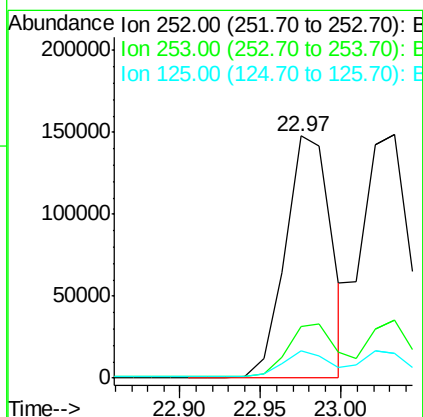
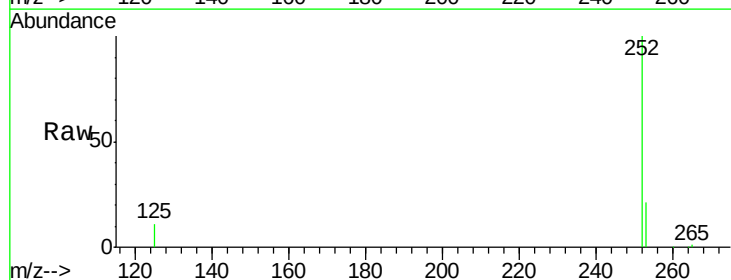
Instrument :
 BNA_E
 ClientSampleId :
 SS043MW011-160512MSD

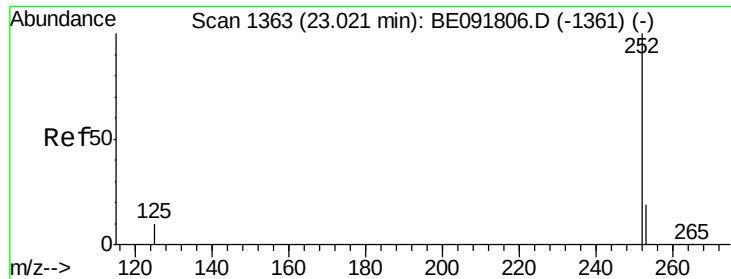
Tgt Ion: 264 Resp: 234244
 Ion Ratio Lower Upper
 264 100
 260 26.8 20.0 30.0
 265 21.8 17.5 26.3



#36
Benzo(b)fluoranthene
 Concen: 4.99 ng
 RT: 22.97 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: BE091824.D
 Acq: 19 May 2016 23:50

Tgt Ion: 252 Resp: 292632
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.4 26.0
 125 11.3 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 5.03 ng

RT: 23.03 min Scan# 1364

Delta R.T. -0.01 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD

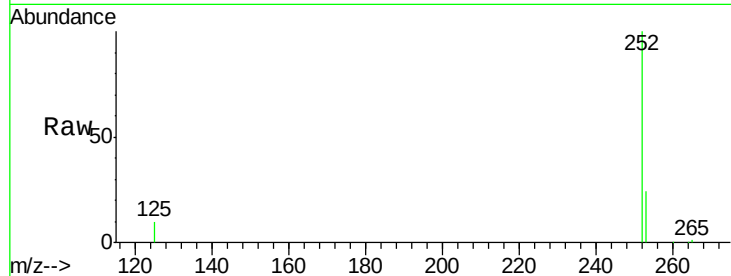
Tgt Ion:252 Resp: 301759

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

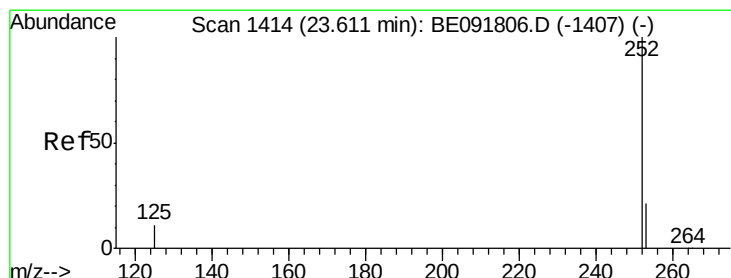
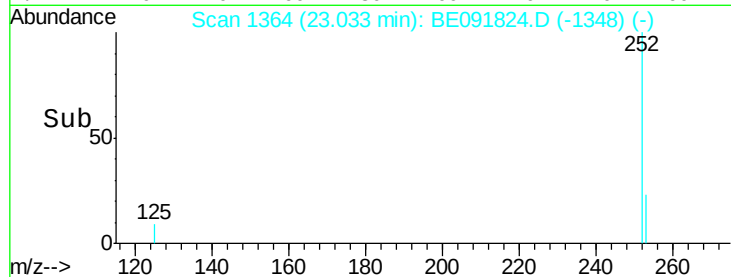
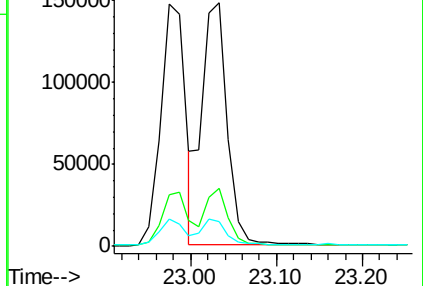
125 10.0 9.9 14.9



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: 5.21 ng

RT: 23.61 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

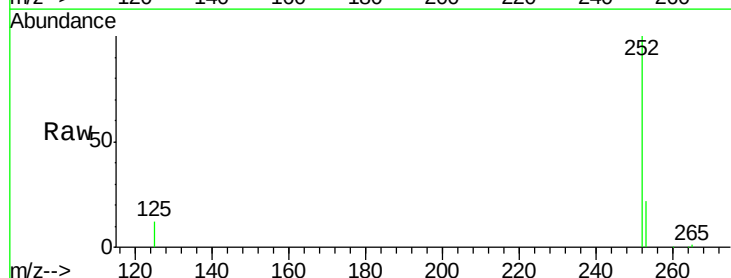
Tgt Ion:252 Resp: 291363

Ion Ratio Lower Upper

252 100

253 21.7 18.1 27.1

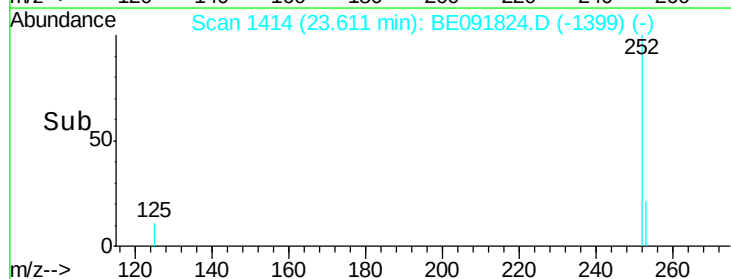
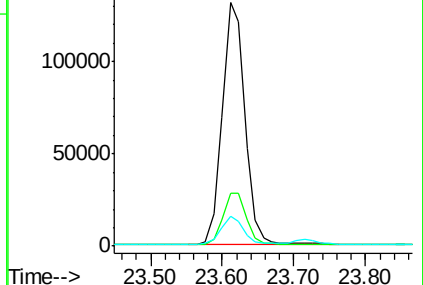
125 12.2 11.0 16.4

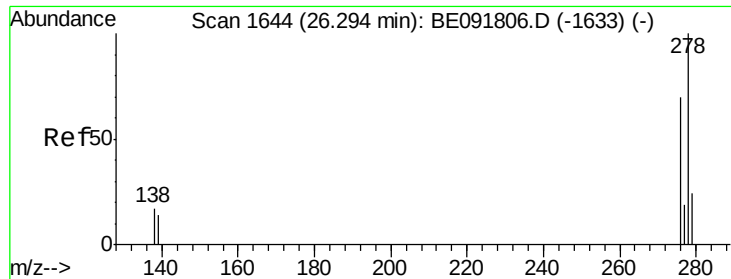


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 5.07 ng

RT: 26.29 min Scan# 1644

Delta R.T. -0.05 min

Lab File: BE091824.D

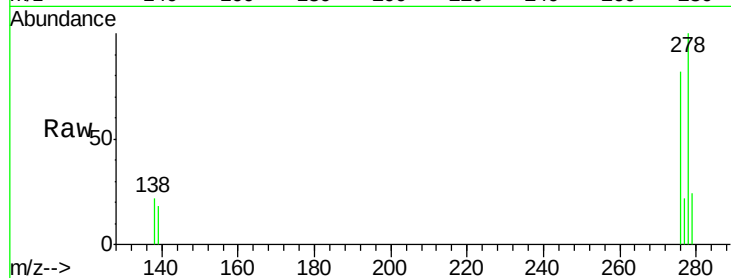
Acq: 19 May 2016 23:50

Instrument :

BNA_E

ClientSampleId :

SS043MW011-160512MSD



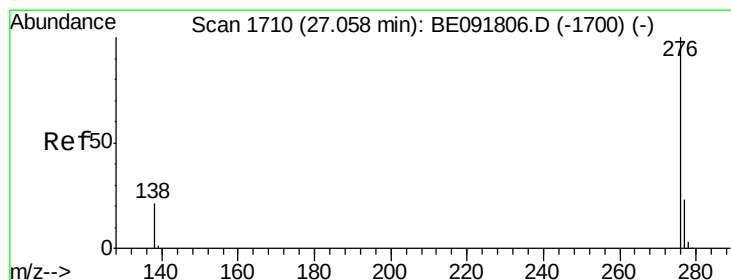
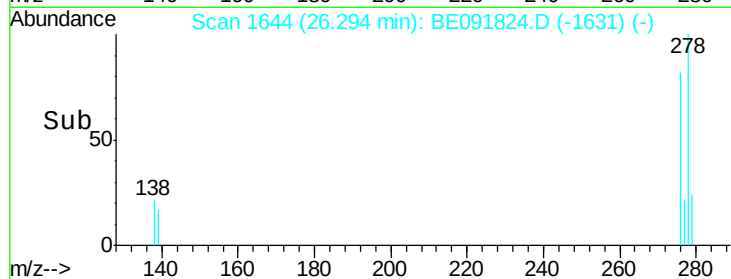
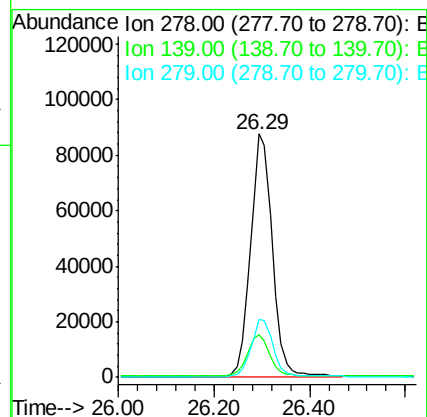
Tgt Ion:278 Resp: 276986

Ion Ratio Lower Upper

278 100

139 17.7 16.0 24.0

279 23.8 19.4 29.2



#40

Benzo(g,h,i)perylene

Concen: 4.96 ng

RT: 27.06 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE091824.D

Acq: 19 May 2016 23:50

Tgt Ion:276 Resp: 279632

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 23.2 20.4 30.6

