

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
 Data File : BE091958.D
 Acq On : 5 Jul 2016 8:51
 Operator : UM/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 12:34:40 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 12:29:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	23849	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	108622	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	83509	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	164407	5.00	ng	0.00
31) Chrysene-d12	21.76	240	263131	5.00	ng	0.00
40) Perylene-d12	24.17	264	222380	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.74	112	489	0.10	ng	0.01
5) Phenol-d6	7.39	99	625	0.10	ng	0.02
9) Nitrobenzene-d5	9.39	82	632	0.08	ng	0.00
16) 2,4,6-Tribromophenol	16.36	330	169	0.10	ng	0.02
17) 2-Fluorobiphenyl	13.50	172	1995	0.09	ng	0.01
34) Terphenyl-d14	20.22	244	3498	0.11	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	372	0.11	ng	97
3) n-Nitrosodimethylamine	3.85	42	256	0.07	ng	# 1
6) bis(2-Chloroethyl)ether	7.63	93	605	0.09	ng	91
7) n-Nitroso-di-n-propylamine	9.02	70	602	0.11	ng	# 88
10) Nitrobenzene	9.42	77	618	0.08	ng	# 96
11) bis(2-Chloroethoxy)methane	10.50	93	1222	0.13	ng	# 2
12) Naphthalene	11.04	128	2695	0.11	ng	# 93
13) Hexachlorobutadiene	11.34	225	424	0.11	ng	99
14) 2-Methylnaphthalene	12.70	142	1687	0.10	ng	94
18) Acenaphthylene	14.56	152	9451	0.11	ng	# 60
19) 2,6-Dinitrotoluene	14.47	165	1085	0.08	ng	# 10
20) Acenaphthene	14.92	154	2582	0.11	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	4653	0.37	ng	# 97
22) Fluorene	15.91	166	2445	0.11	ng	98
23) 4-Chlorophenyl-phenylether	15.91	204	1243	0.11	ng	# 59
25) 4-Bromophenyl-phenylether	16.80	248	742	0.12	ng	99
26) Hexachlorobenzene	16.92	284	782	0.12	ng	97
27) Pentachlorophenol	17.28	266	465	0.26	ng	96
28) Phenanthrene	17.64	178	4864	0.12	ng	98
29) Anthracene	17.73	178	4141	0.11	ng	99
30) Fluoranthene	19.65	202	20587	0.12	ng	# 88
32) Benzidine	19.86	184	6153	0.69	ng	# 93
33) Pyrene	20.02	202	21718	0.12	ng	# 81
35) Benzo(a)anthracene	21.79	228	12499	0.30	ng	# 89
36) 3,3'-Dichlorobenzidine	21.70	252	1940	0.29	ng	# 90
37) Chrysene	21.79	228	12713	0.21	ng	98
38) Bis(2-ethylhexyl)phthalate	21.67	149	5838	0.19	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	29651	0.14	ng	97
41) Benzo(b)fluoranthene	23.43	252	6314	0.11	ng	# 91
42) Benzo(k)fluoranthene	23.49	252	6896	0.13	ng	# 94
43) Benzo(a)pyrene	24.07	252	6501	0.13	ng	# 87
44) Dibenzo(a,h)anthracene	26.74	278	5997	0.12	ng	94
45) Benzo(a,h,i)perylene	27.49	276	25074	0.13	ng	96

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Instrument :
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Quant Time: Jul 05 12:34:40 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 05 12:29:44 2016
Response via : Initial Calibration

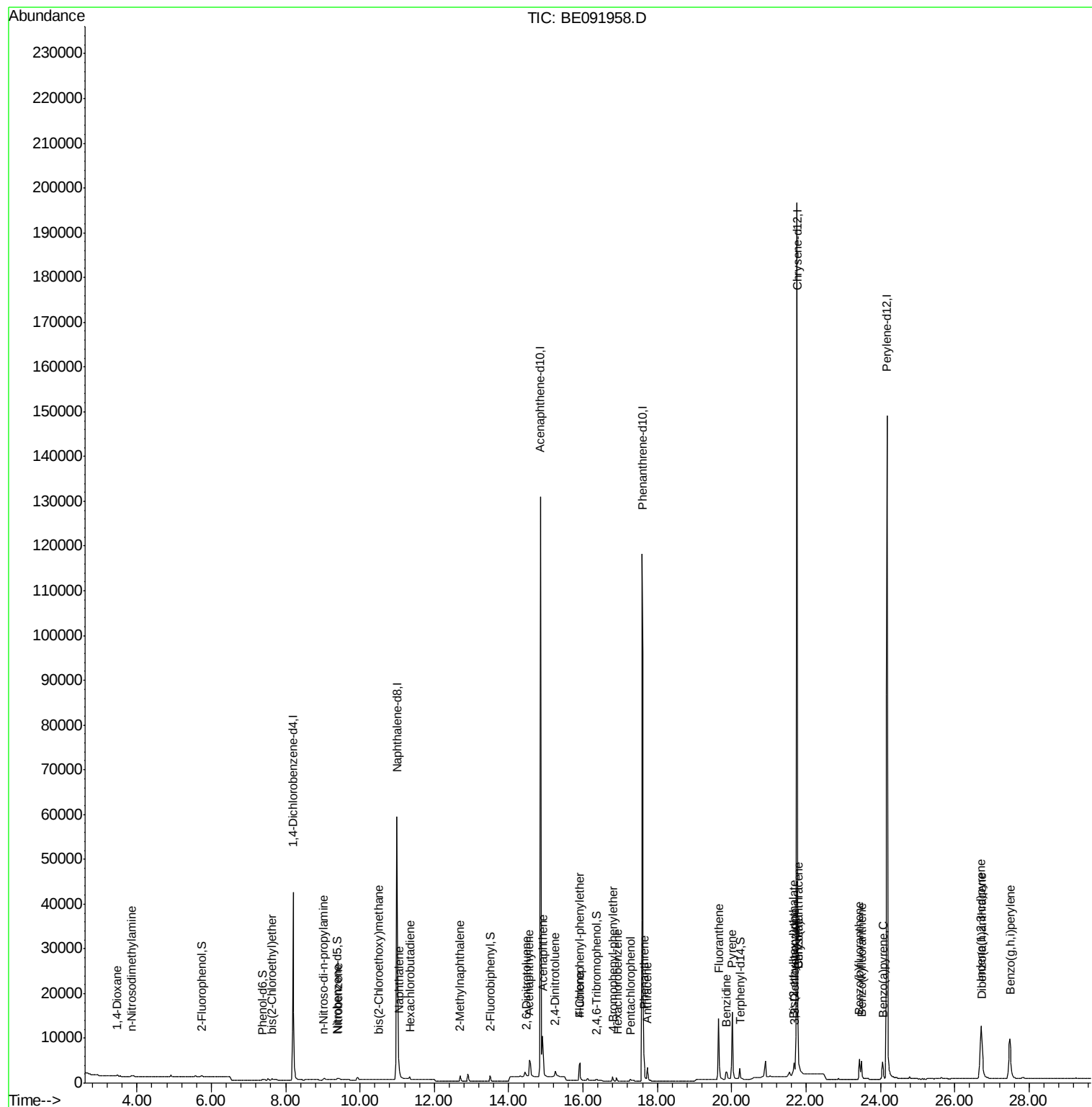
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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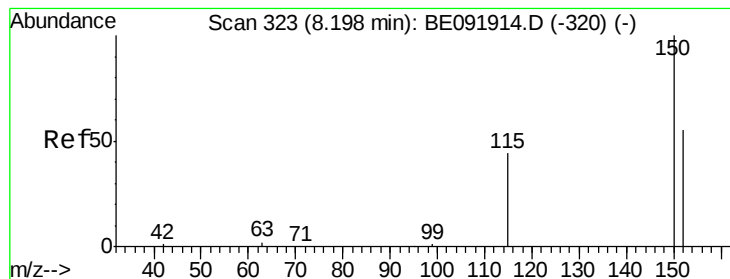
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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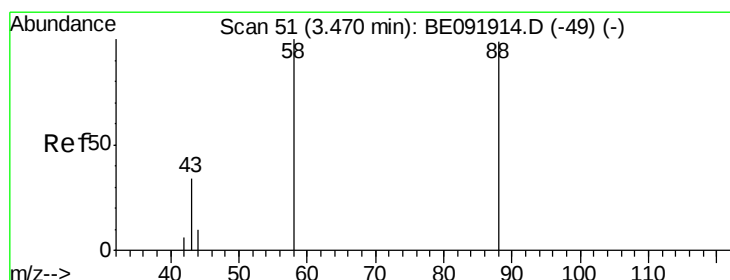
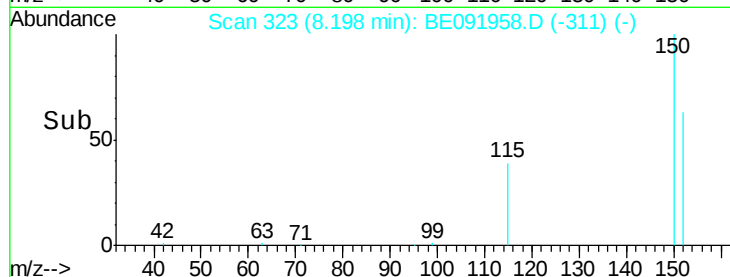
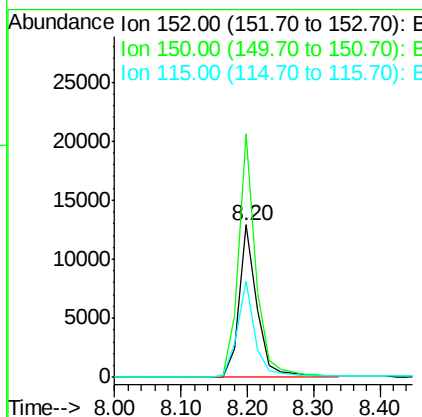
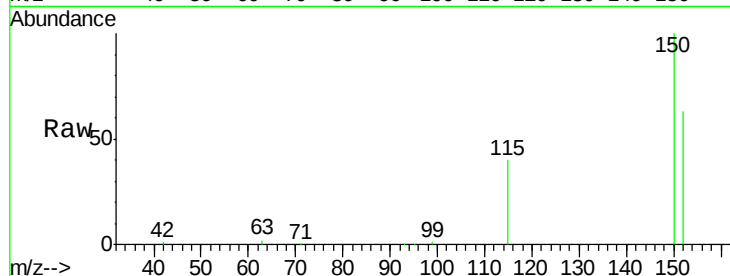


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Instrument :
BNA_E
ClientSampled :

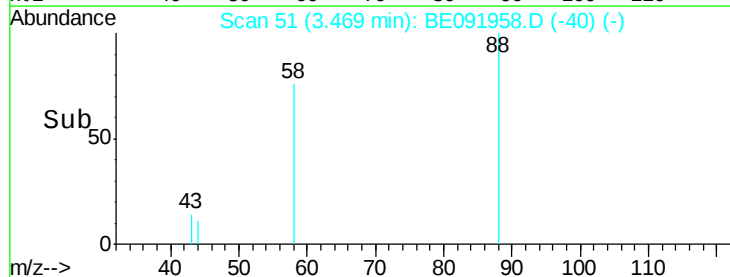
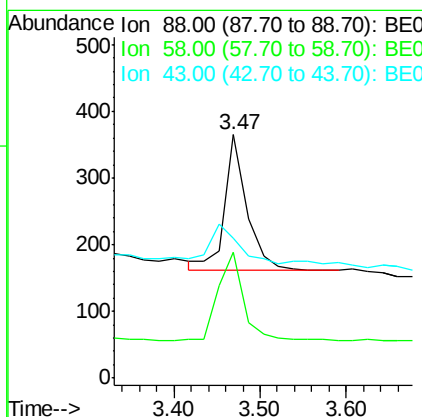
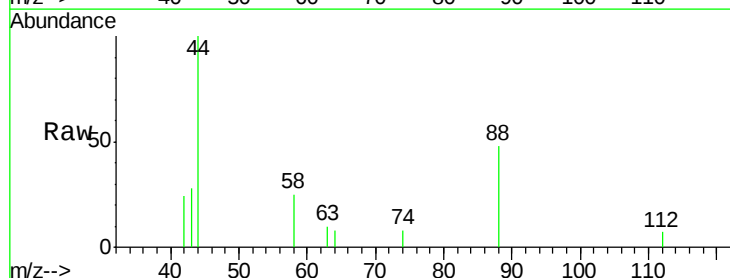
Tot Ion:152 Resp: 23849
Ion Ratio Lower Upper
152 100
150 159.6 123.9 185.9
115 63.2 48.3 72.5



#2

1,4-Dioxane
Concen: 0.11 ng
RT: 3.47 min Scan# 51
Delta R.T. -0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Tgt Ion: 88 Resp: 372
Ion Ratio Lower Upper
88 100
58 75.3 63.0 94.4
43 36.6 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 0.07 ng

RT: 3.85 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

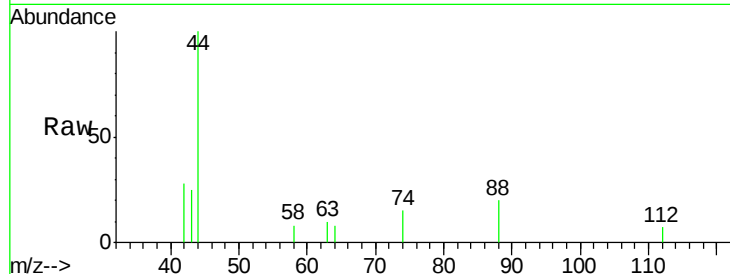
Tot Ion: 42 Resp: 256

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

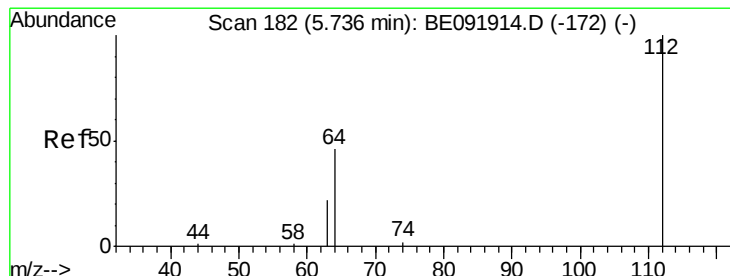
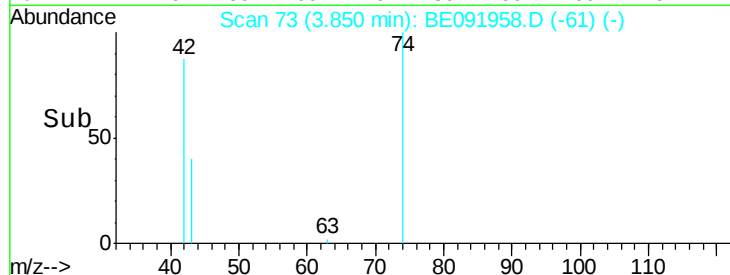
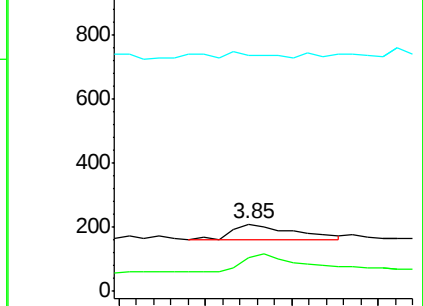
44 19.9 5.0 7.6#



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: 0.10 ng

RT: 5.74 min Scan# 182

Delta R.T. 0.01 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

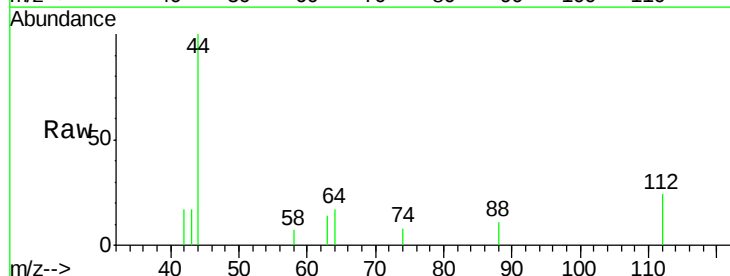
Tgt Ion: 112 Resp: 489

Ion Ratio Lower Upper

112 100

64 70.3 53.7 80.5

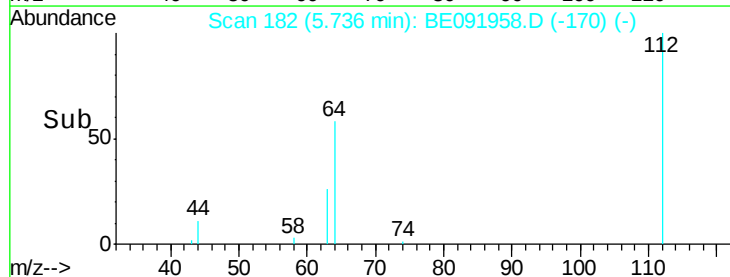
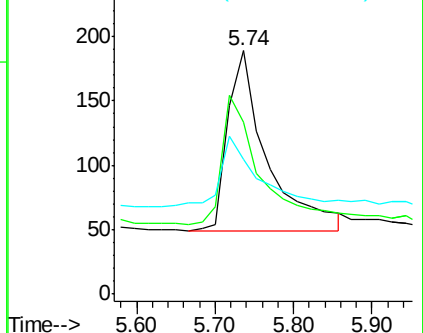
63 37.6 29.5 44.3

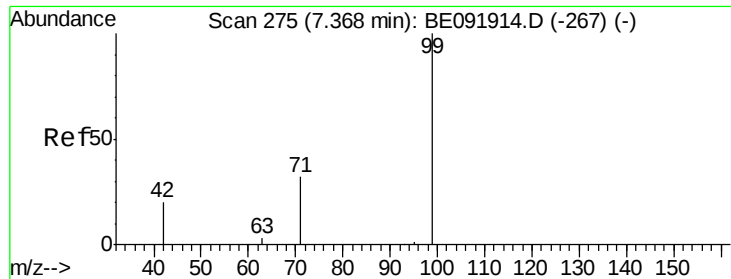


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.10 ng

RT: 7.39 min Scan# 276

Delta R.T. 0.02 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampled :

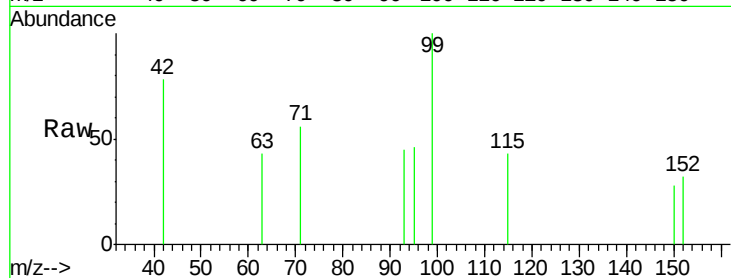
Tot Ion: 99 Resp: 625

Ion Ratio Lower Upper

99 100

42 28.8 19.6 29.4

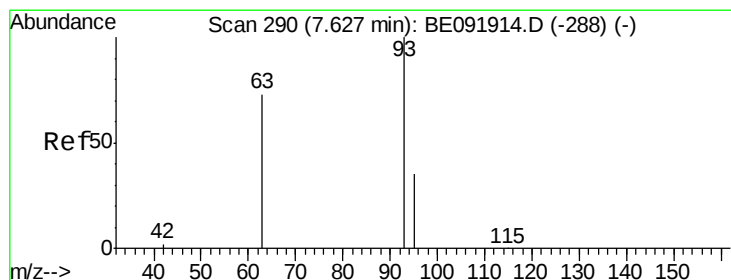
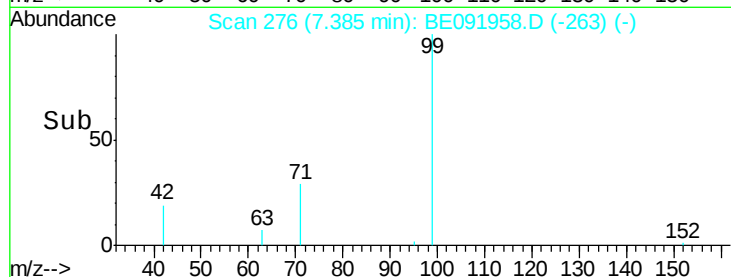
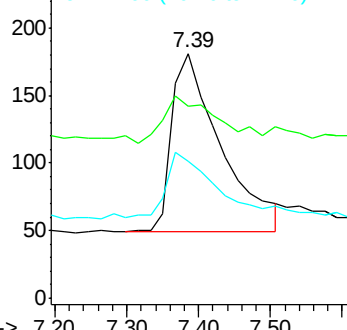
71 34.2 28.1 42.1



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: 0.09 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

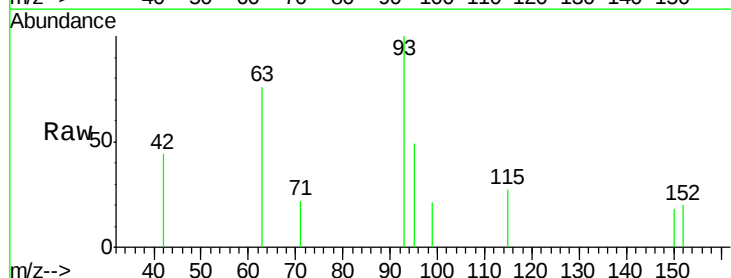
Tgt Ion: 93 Resp: 605

Ion Ratio Lower Upper

93 100

63 74.4 66.2 99.4

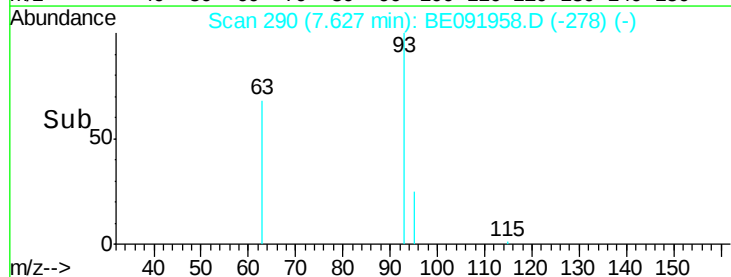
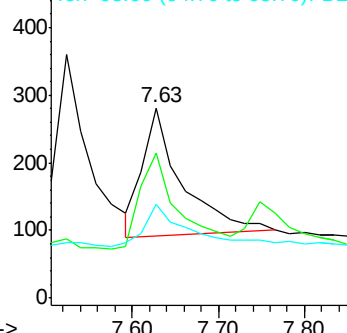
95 35.7 25.5 38.3

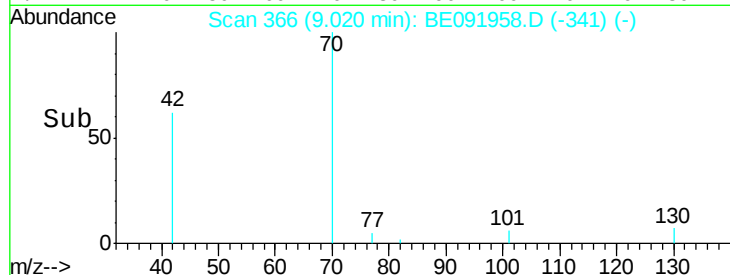
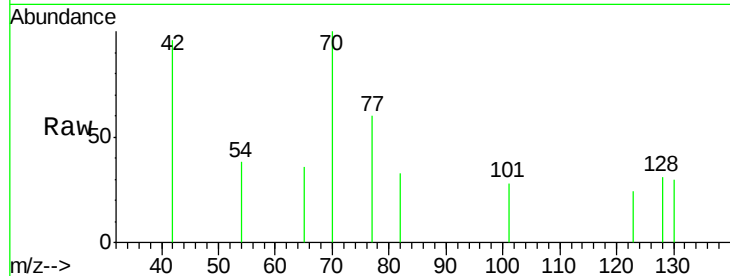
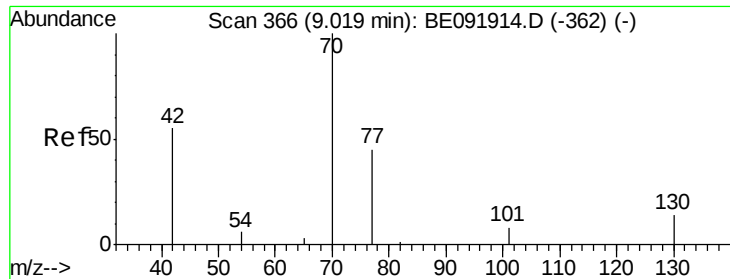


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.11 ng

RT: 9.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 602

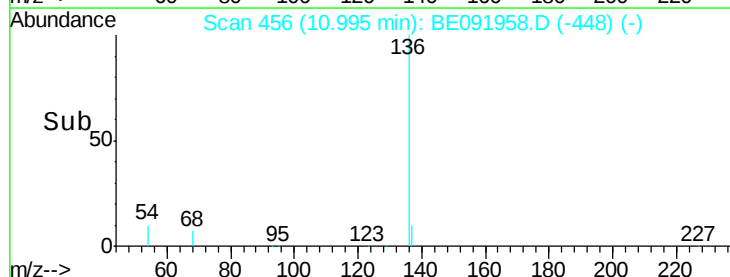
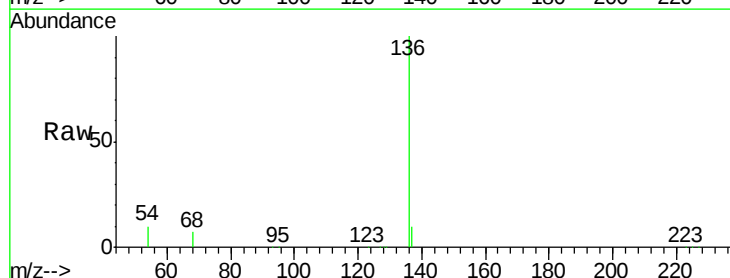
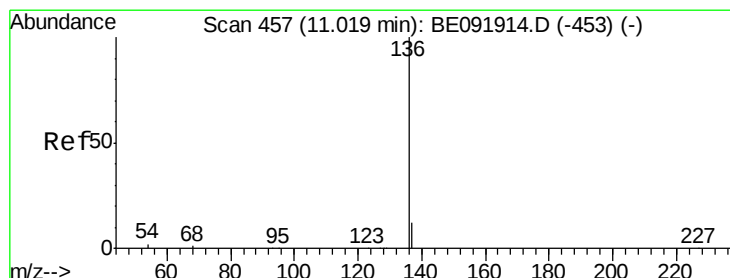
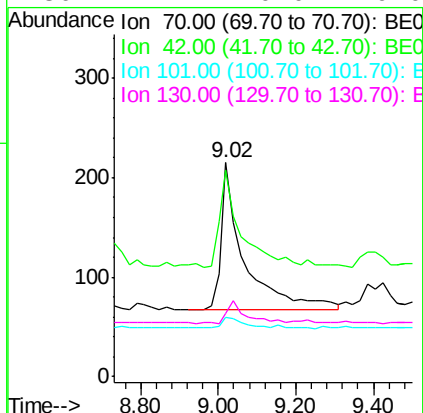
Ion Ratio Lower Upper

70 100

42 61.8 58.4 87.6

101 7.1 6.4 9.6

130 14.1 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Tgt Ion:136 Resp: 108622

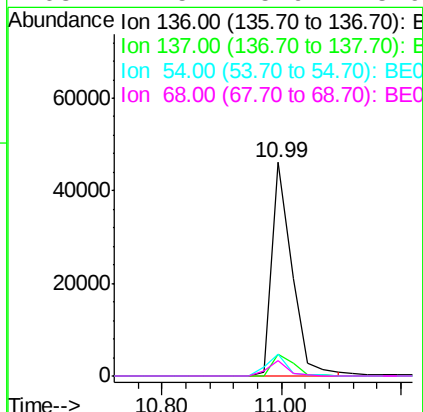
Ion Ratio Lower Upper

136 100

137 10.2 8.3 12.5

54 10.1 8.2 12.4

68 7.5 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.08 ng

RT: 9.39 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampled :

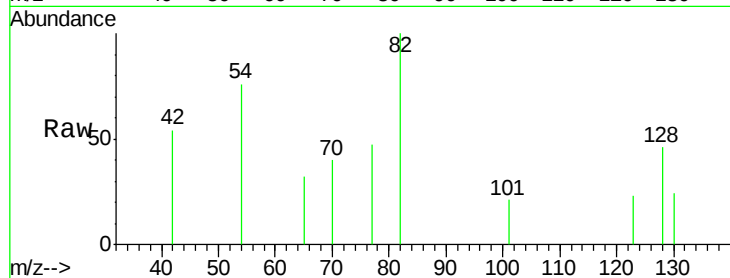
Tot Ion: 82 Resp: 632

Ion Ratio Lower Upper

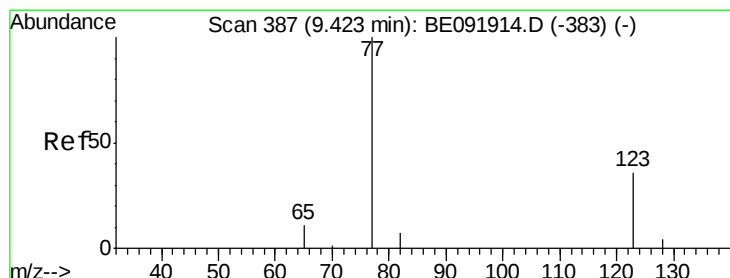
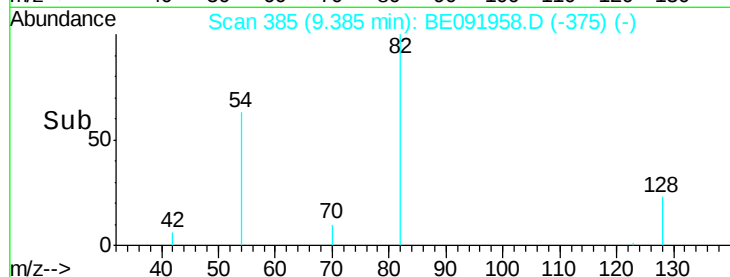
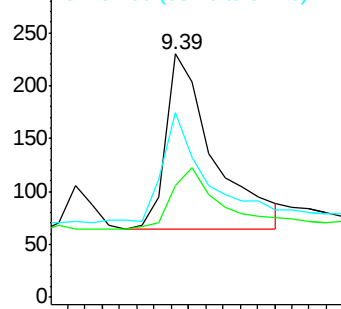
82 100

128 45.7 39.5 59.3

54 75.7 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.08 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

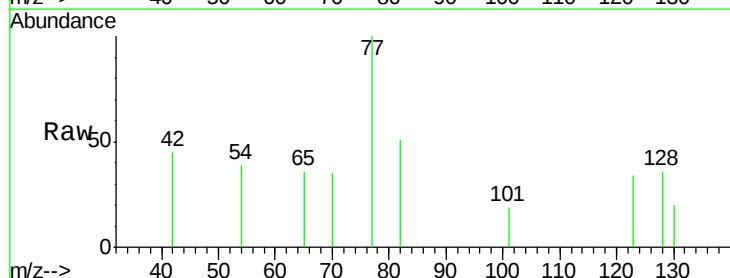
Tgt Ion: 77 Resp: 618

Ion Ratio Lower Upper

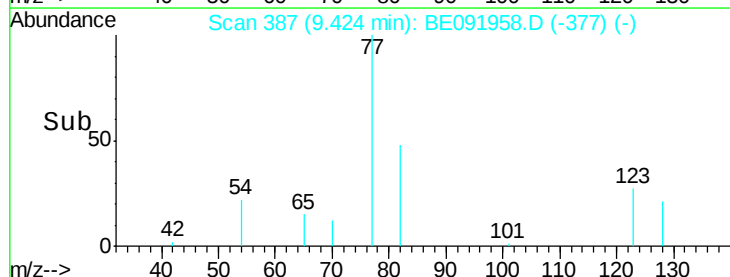
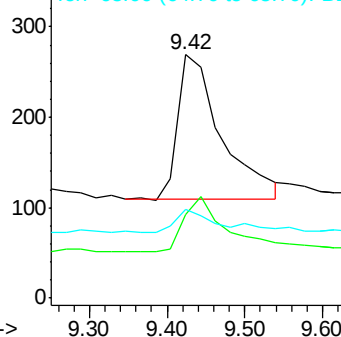
77 100

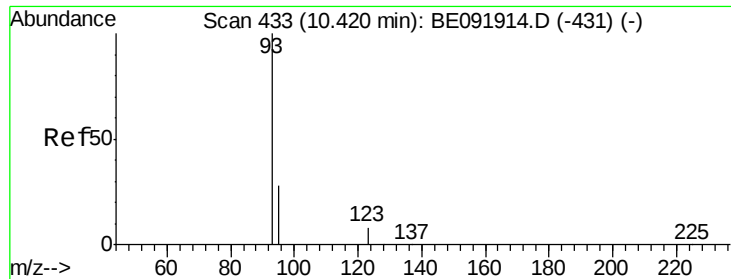
123 39.3 0.0 0.0#

65 15.7 11.1 16.7



Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0

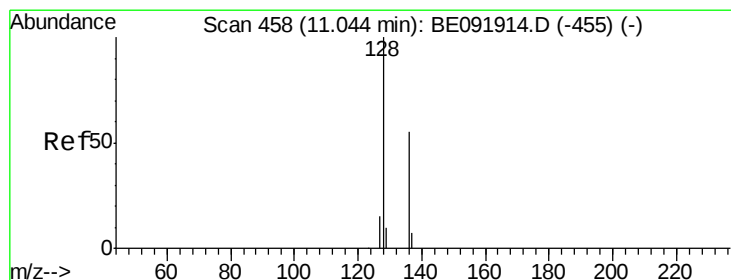
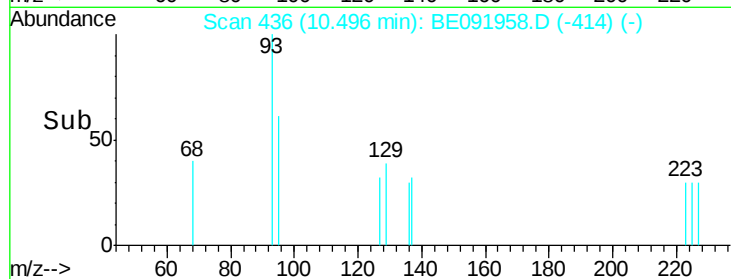
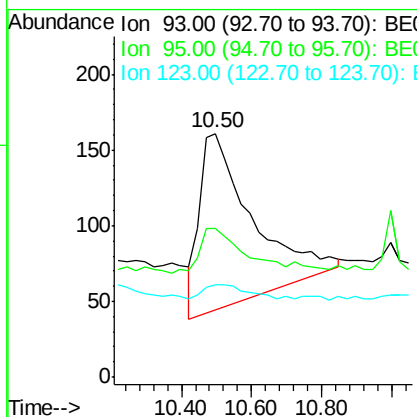
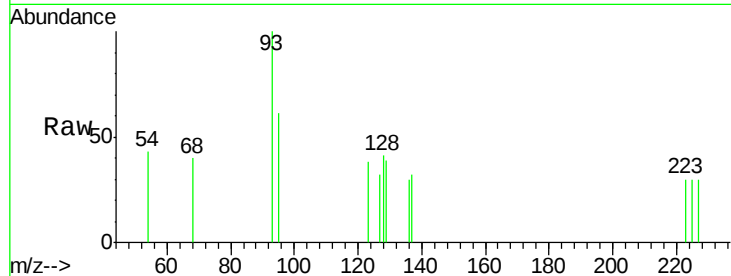




#11
bis(2-Chloroethoxy)methane
Concen: 0.13 ng
RT: 10.50 min Scan# 436
Delta R.T. 0.05 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

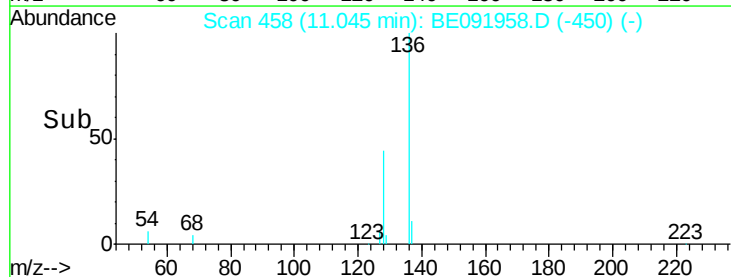
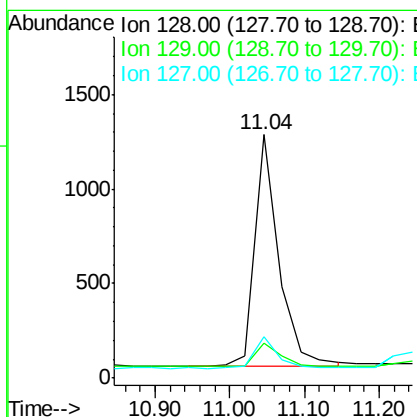
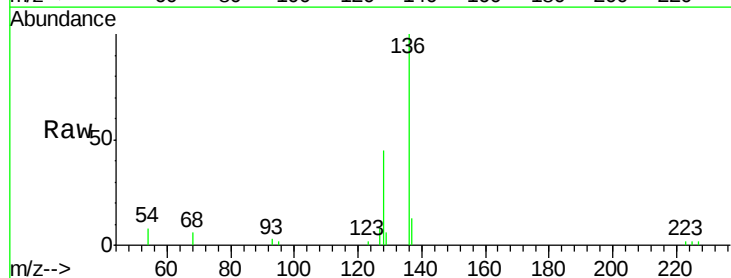
Instrument :
BNA_E
ClientSampleId :

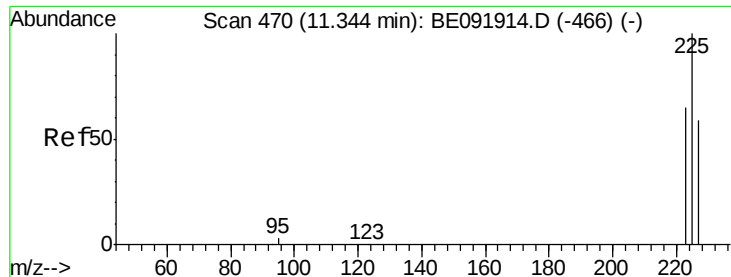
Tot Ion: 93 Resp: 1222
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 6.9 100.2 150.4#



#12
Naphthalene
Concen: 0.11 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Tgt Ion: 128 Resp: 2695
Ion Ratio Lower Upper
128 100
129 14.2 10.4 15.6
127 17.0 10.2 15.2#

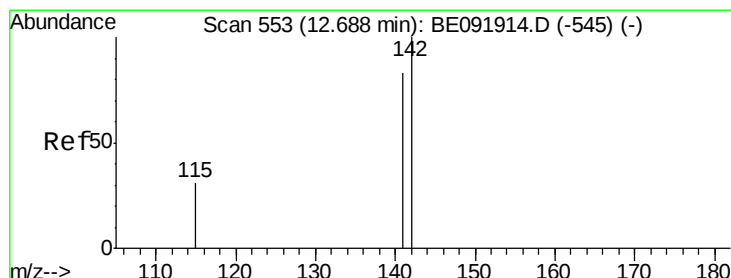
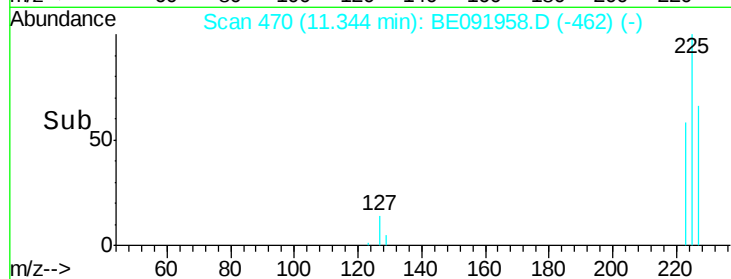
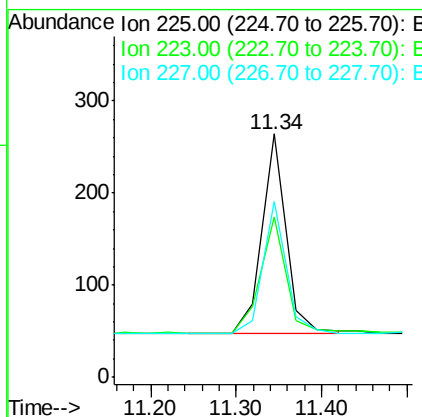
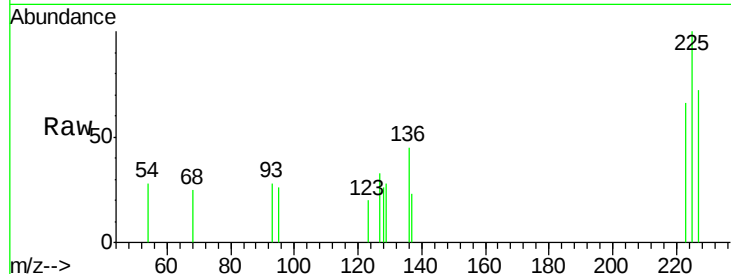




#13
Hexachlorobutadiene
Concen: 0.11 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

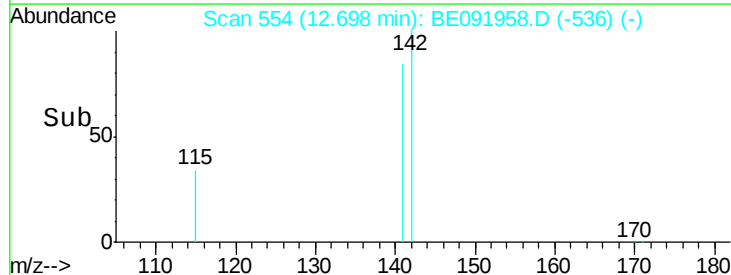
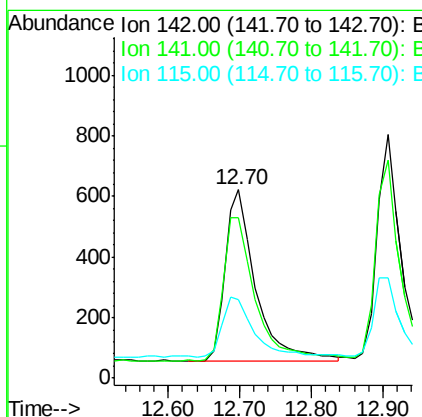
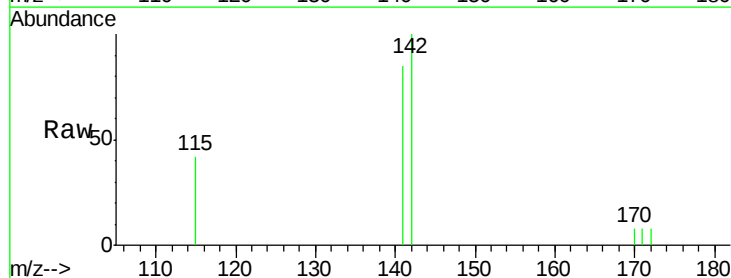
Instrument :
BNA_E
ClientSampleId :

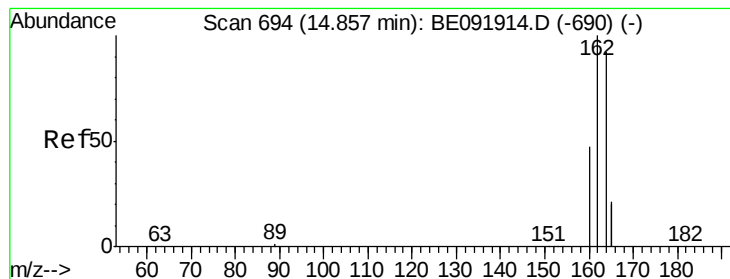
Tot Ion:225 Resp: 424
Ion Ratio Lower Upper
225 100
223 61.8 49.8 74.8
227 64.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.10 ng
RT: 12.70 min Scan# 554
Delta R.T. 0.01 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Tgt Ion:142 Resp: 1687
Ion Ratio Lower Upper
142 100
141 85.0 71.9 107.9
115 41.7 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampled :

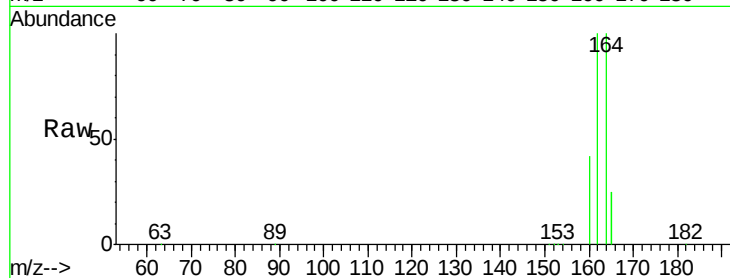
Tot Ion:164 Resp: 83509

Ion Ratio Lower Upper

164 100

162 100.3 71.8 107.8

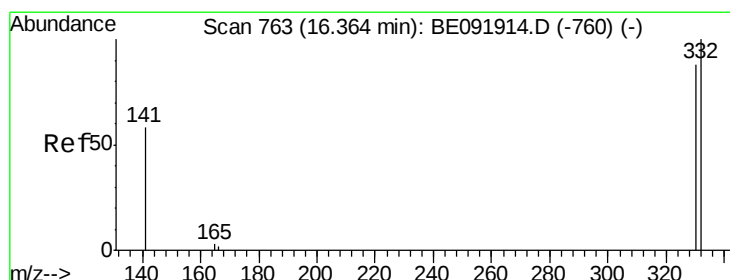
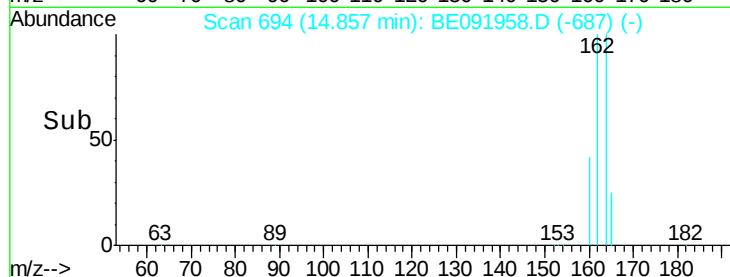
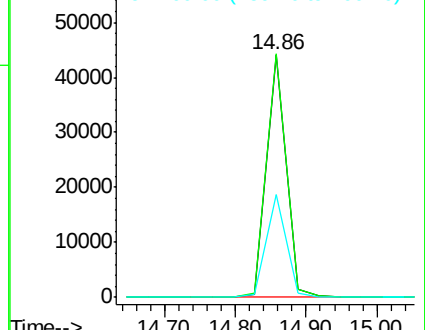
160 42.6 28.0 42.0#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.10 ng

RT: 16.36 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

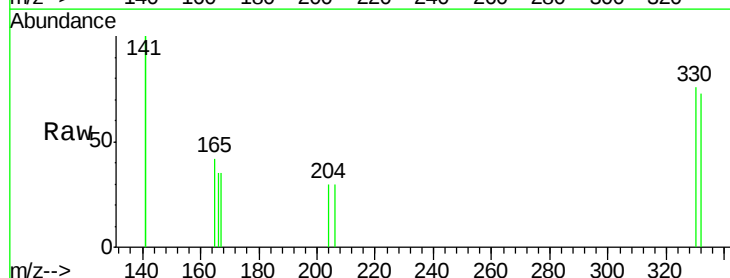
Tgt Ion:330 Resp: 169

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

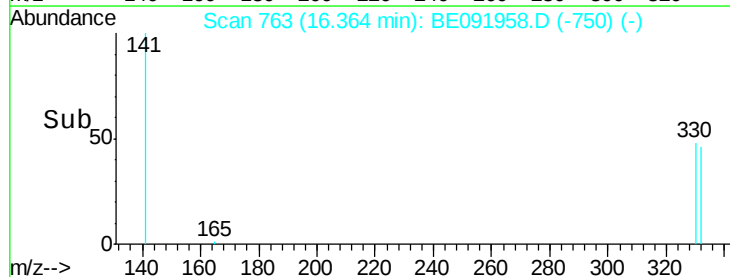
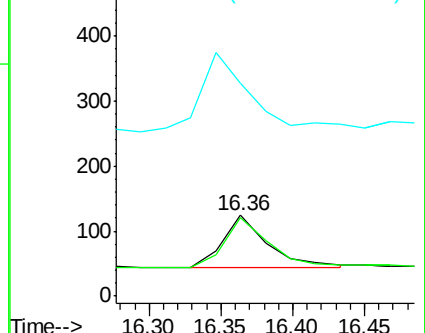
141 180.5 138.4 207.6

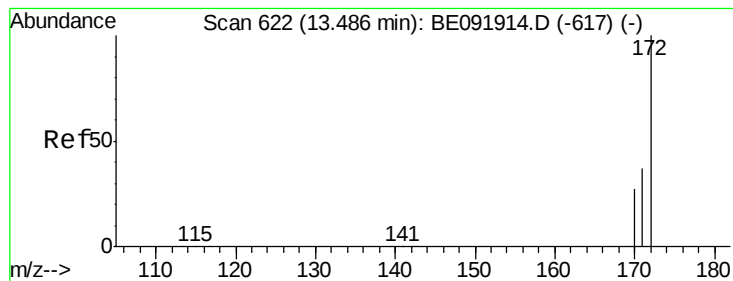


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

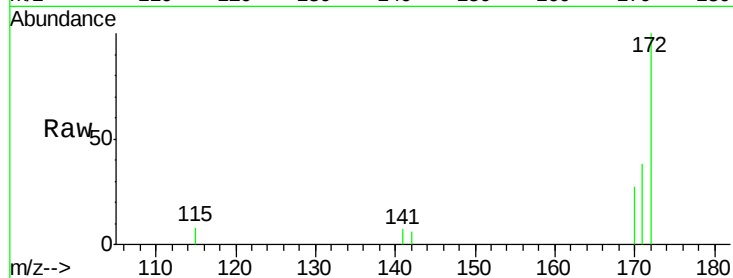




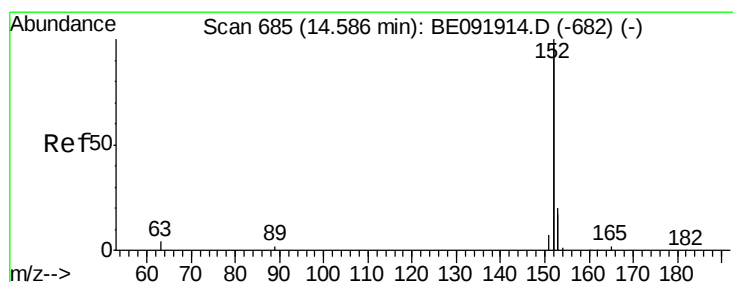
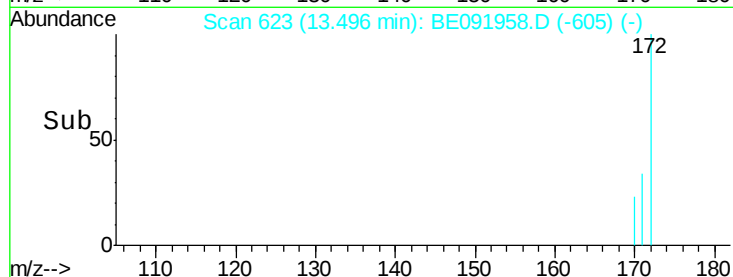
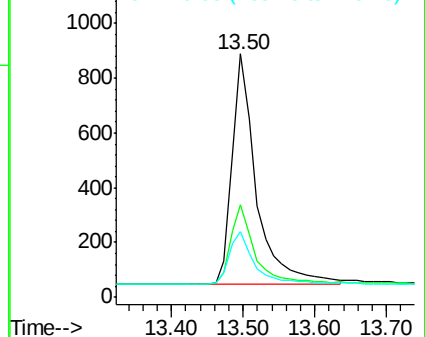
#17
2-Fluorobiphenyl
Concen: 0.09 ng
RT: 13.50 min Scan# 623
Delta R.T. 0.01 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 1995
Ion Ratio Lower Upper
172 100
171 38.0 24.3 36.5#
170 27.2 14.9 22.3#

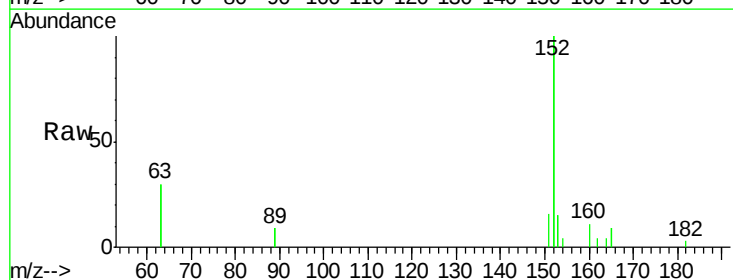


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

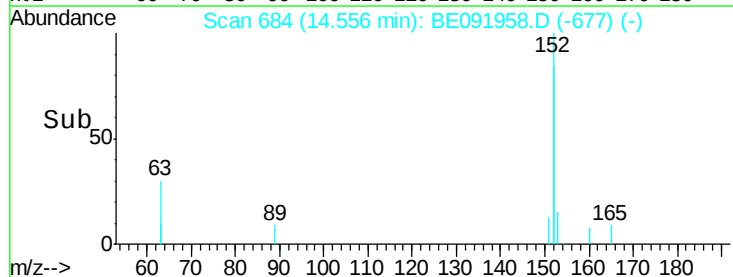
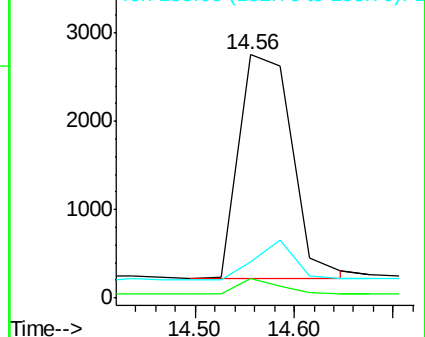


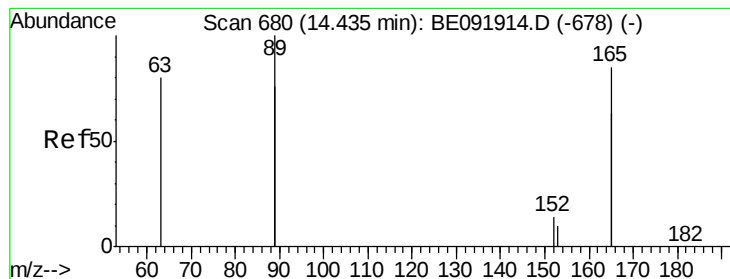
#18
Acenaphthylene
Concen: 0.11 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Tgt Ion:152 Resp: 9451
Ion Ratio Lower Upper
152 100
151 5.1 19.4 29.2#
153 0.0 14.4 21.6#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#19

2,6-Dinitrotoluene

Concen: 0.08 ng

RT: 14.47 min Scan# 681

Delta R.T. 0.03 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

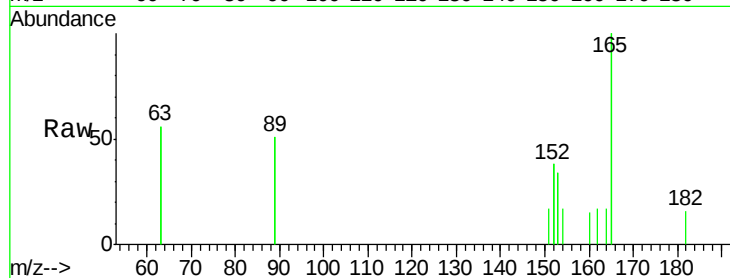
Tot Ion:165 Resp: 1085

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

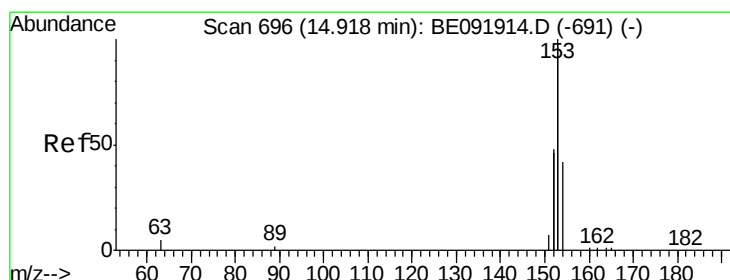
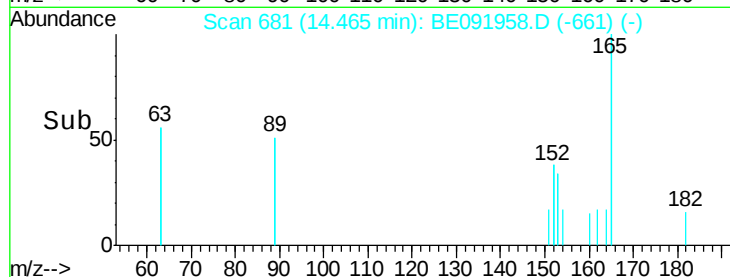
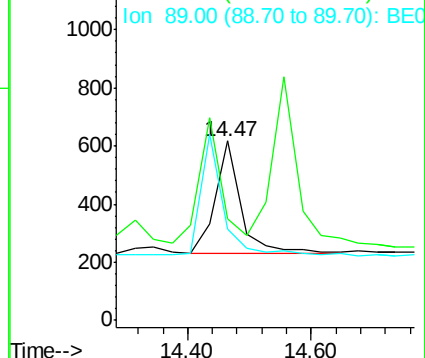
89 0.0 59.1 88.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.11 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

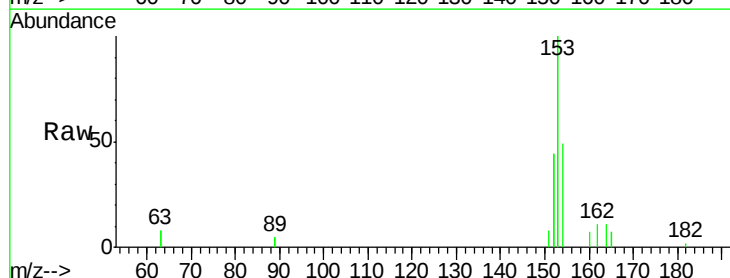
Tgt Ion:154 Resp: 2582

Ion Ratio Lower Upper

154 100

153 374.9 88.1 132.1#

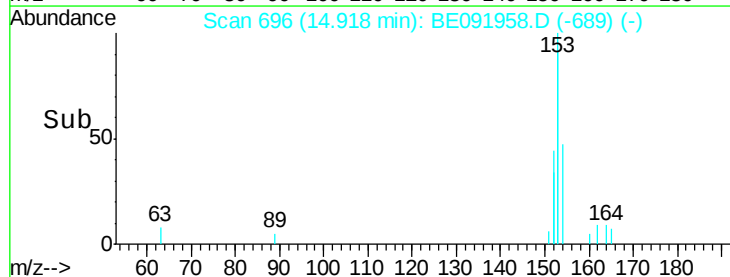
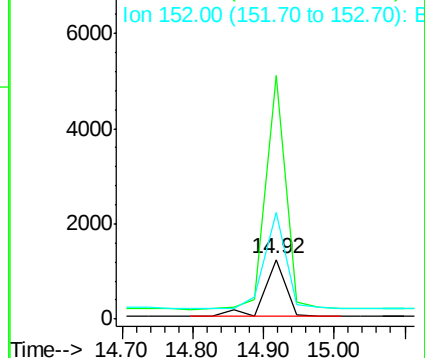
152 163.2 44.2 66.2#

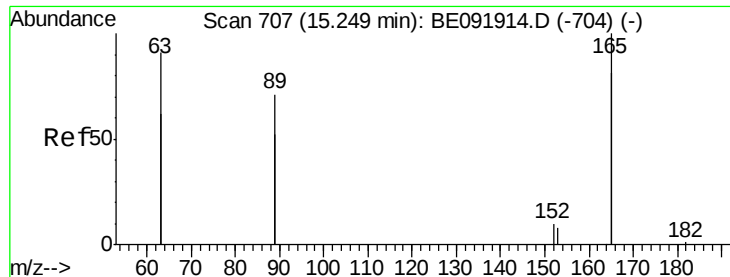


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

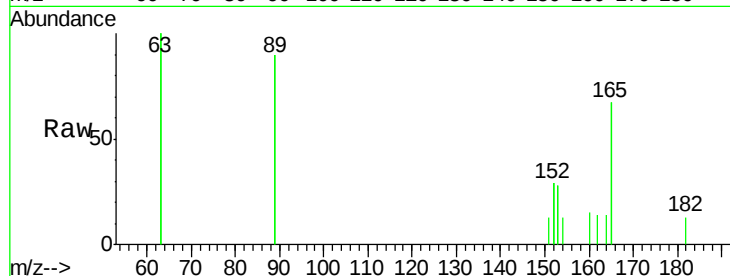




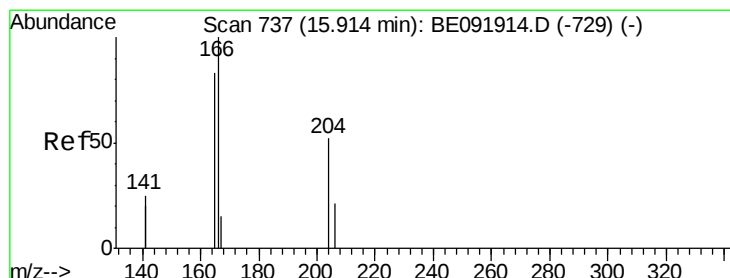
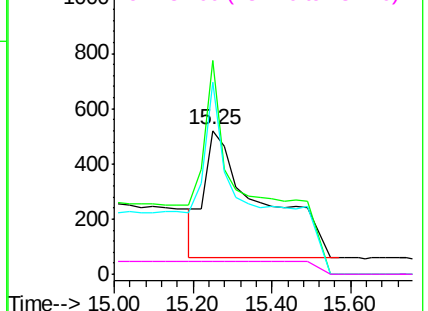
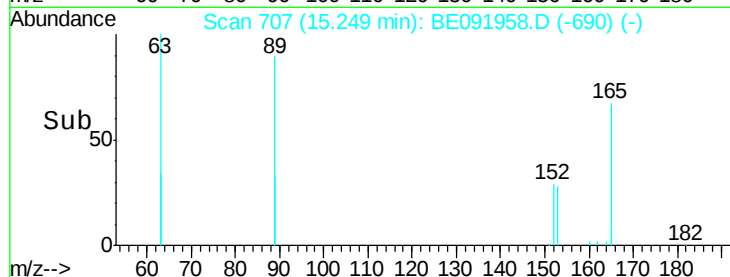
#21
2,4-Dinitrotoluene
Concen: 0.37 ng
RT: 15.25 min Scan# 707
Delta R.T. -0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 4653
Ion Ratio Lower Upper
165 100
63 141.7 0.0 0.0#
89 127.8 99.8 149.8
182 0.0 0.0 0.0

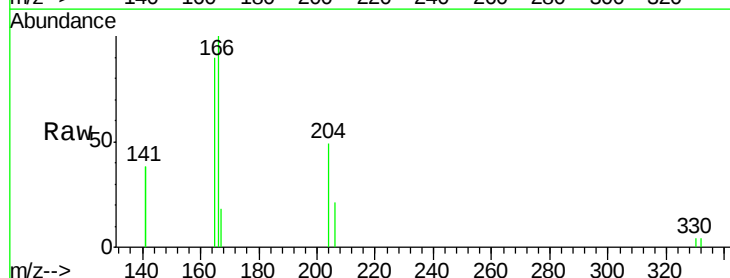


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

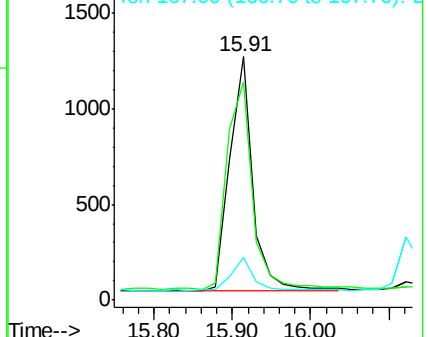
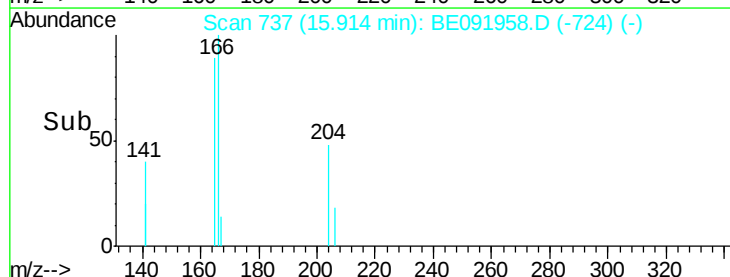


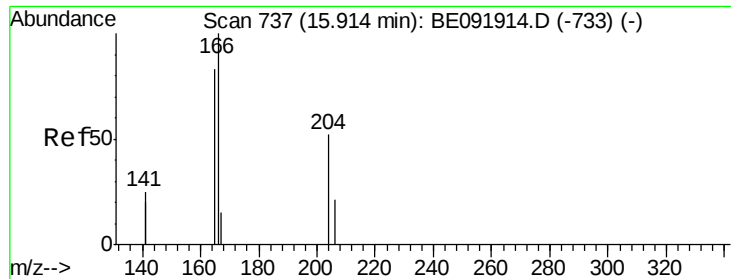
#22
Fluorene
Concen: 0.11 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.02 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Tgt Ion:166 Resp: 2445
Ion Ratio Lower Upper
166 100
165 99.7 78.6 117.8
167 14.4 10.8 16.2



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

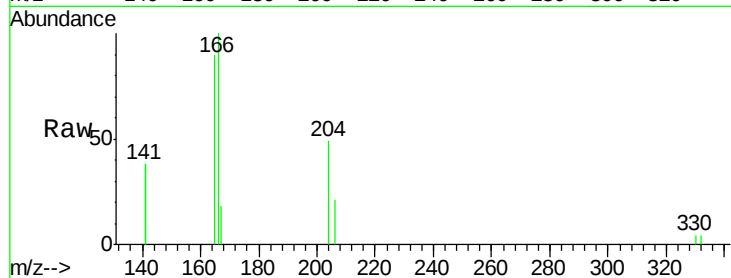




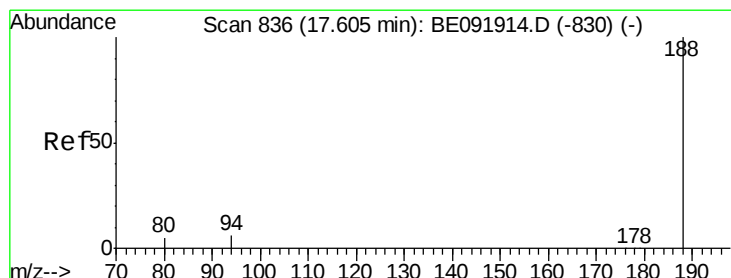
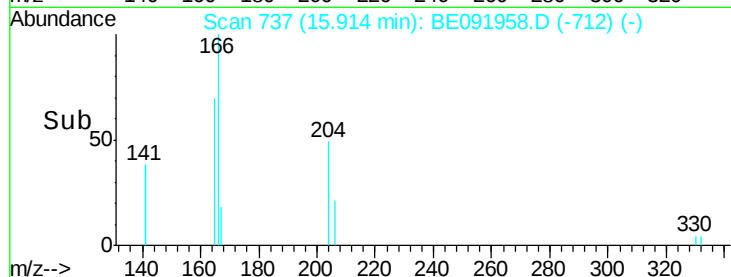
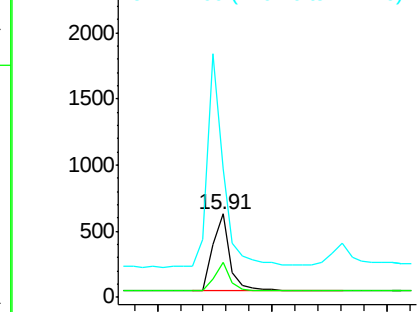
#23
 4-Chlorophenyl-phenylether
 Concen: 0.11 ng
 RT: 15.91 min Scan# 737
 Delta R.T. 0.02 min
 Lab File: BE091958.D
 Acq: 5 Jul 2016 8:51

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:204 Resp: 1243
 Ion Ratio Lower Upper
 204 100
 206 34.3 27.8 41.6
 141 328.3 197.6 296.4#

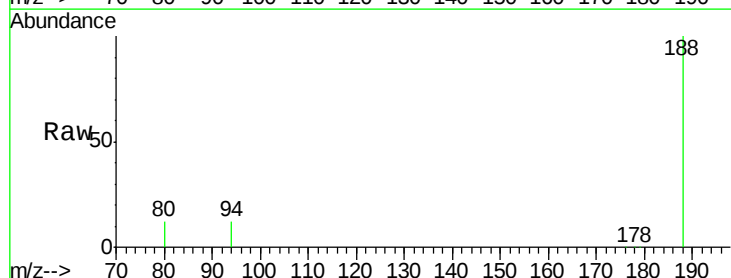


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

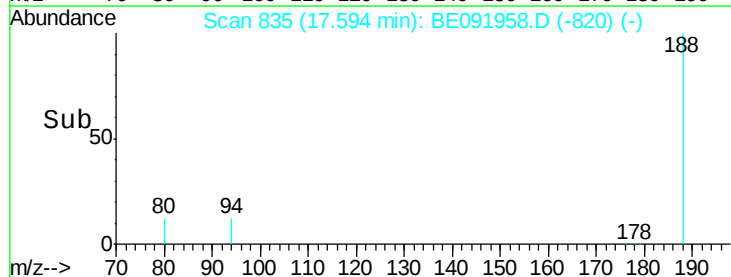
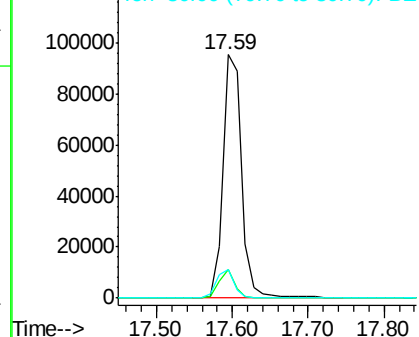


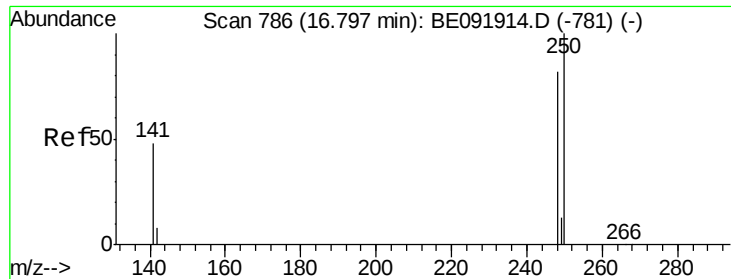
#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BE091958.D
 Acq: 5 Jul 2016 8:51

Tgt Ion:188 Resp: 164407
 Ion Ratio Lower Upper
 188 100
 94 11.8 4.1 6.1#
 80 11.8 3.4 5.2#



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





#25

4-Bromophenyl-phenylether

Concen: 0.12 ng

RT: 16.80 min Scan# 786

Delta R.T. 0.02 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

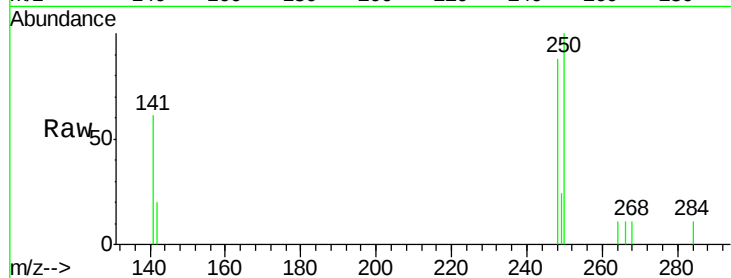
Tot Ion:248 Resp: 742

Ion Ratio Lower Upper

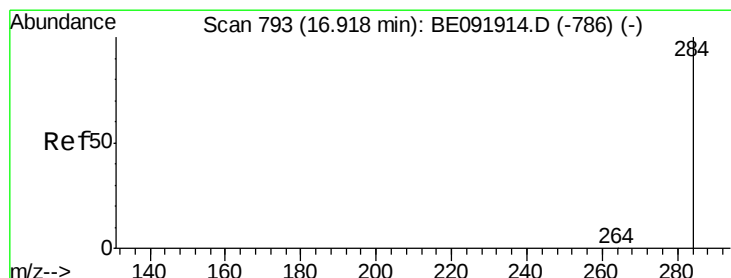
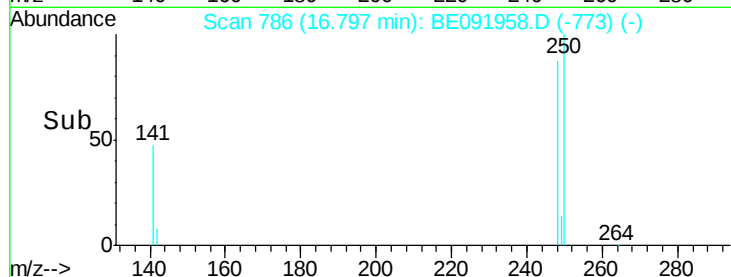
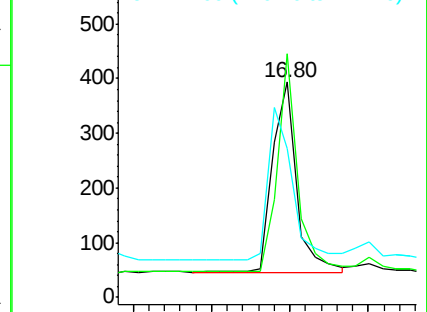
248 100

250 95.3 75.7 113.5

141 82.1 64.6 97.0



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



#26

Hexachlorobenzene

Concen: 0.12 ng

RT: 16.92 min Scan# 793

Delta R.T. 0.02 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

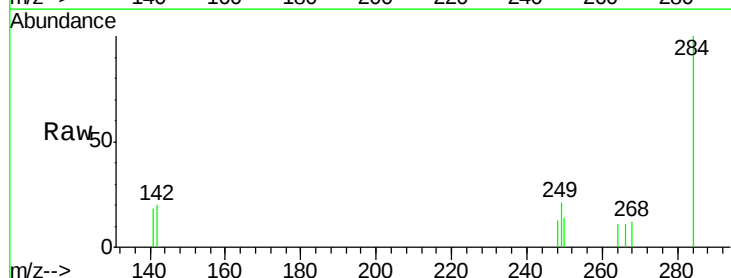
Tgt Ion:284 Resp: 782

Ion Ratio Lower Upper

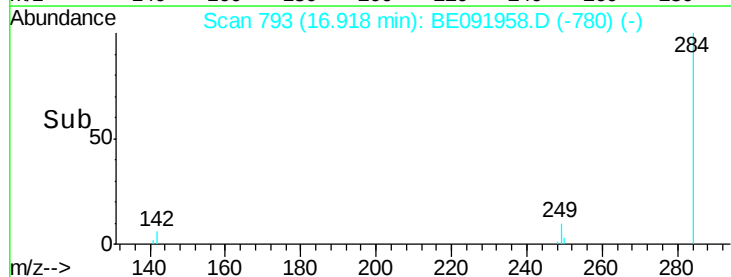
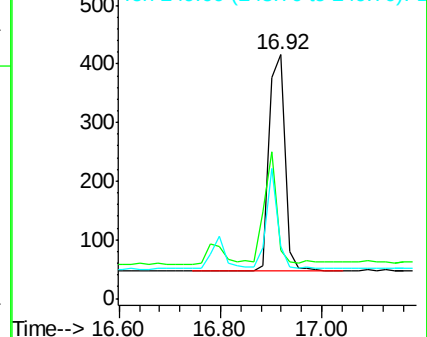
284 100

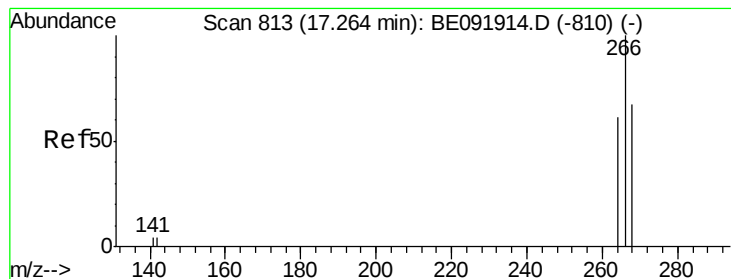
142 41.0 31.4 47.2

249 33.5 25.3 37.9



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





#27

Pentachlorophenol

Concen: 0.26 ng

RT: 17.28 min Scan# 814

Delta R.T. 0.02 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

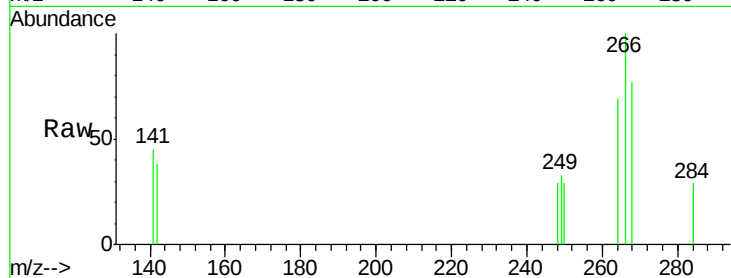
Tot Ion:266 Resp: 465

Ion Ratio Lower Upper

266 100

268 76.8 60.5 90.7

264 69.0 51.0 76.4

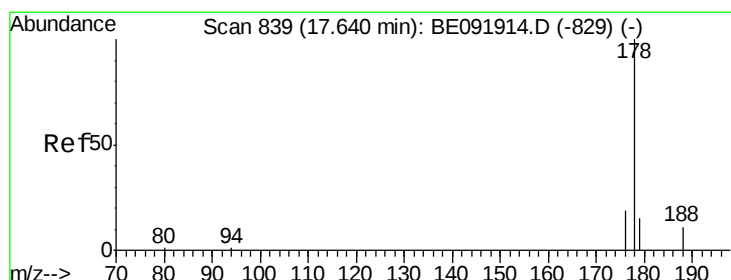
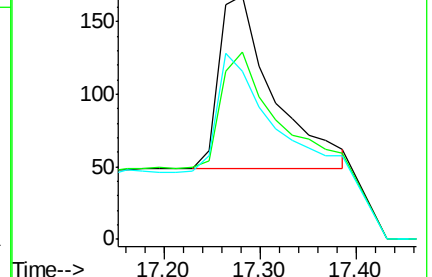
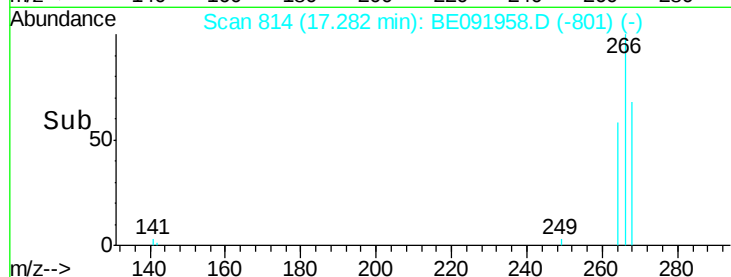


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->



#28

Phenanthrene

Concen: 0.12 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

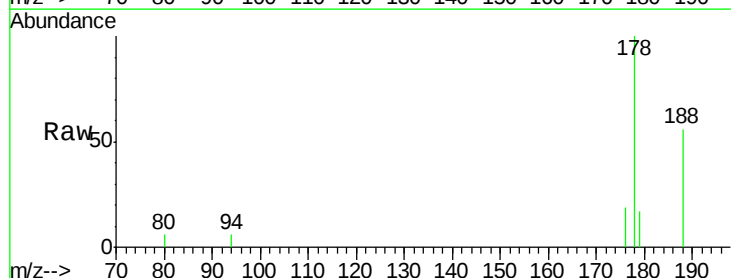
Tgt Ion:178 Resp: 4864

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 17.5 12.9 19.3

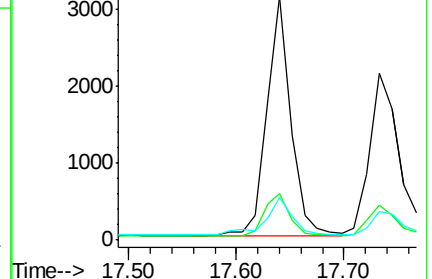
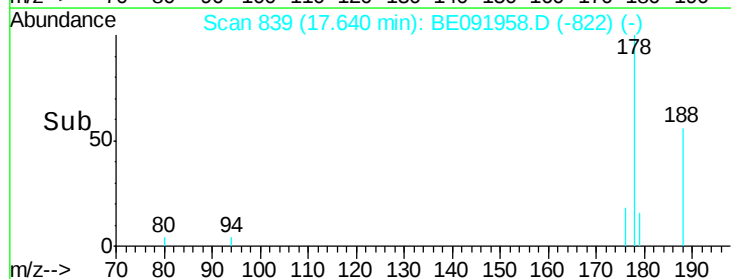


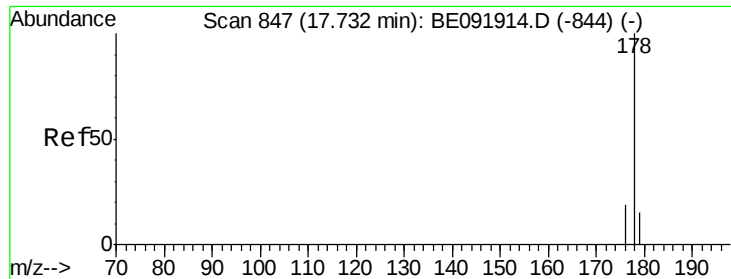
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->





#29

Anthracene

Concen: 0.11 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

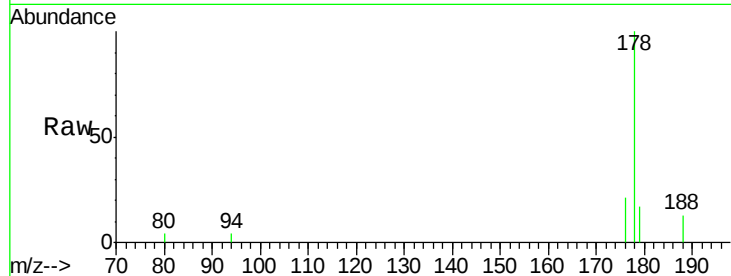
Tot Ion:178 Resp: 4141

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

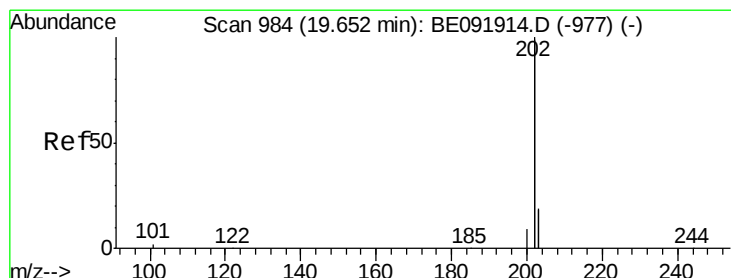
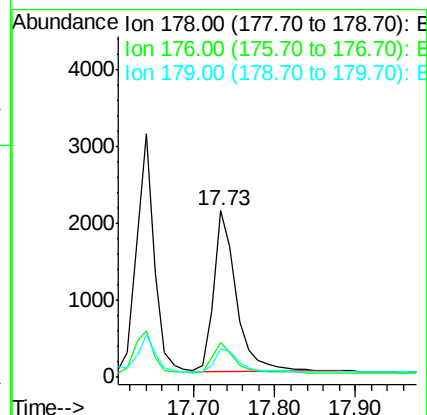
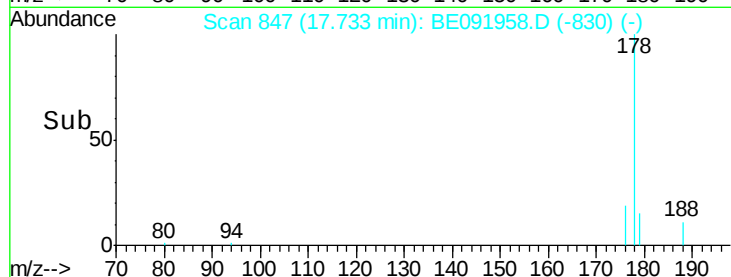
179 14.6 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.12 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

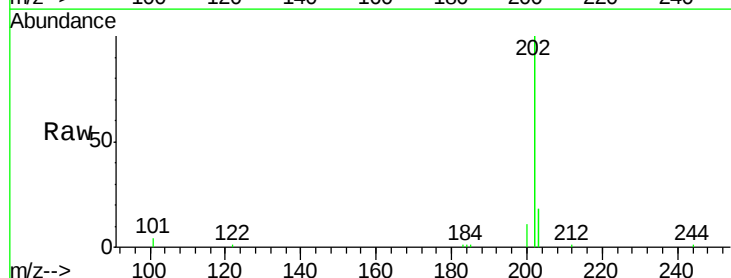
Tgt Ion:202 Resp: 20587

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

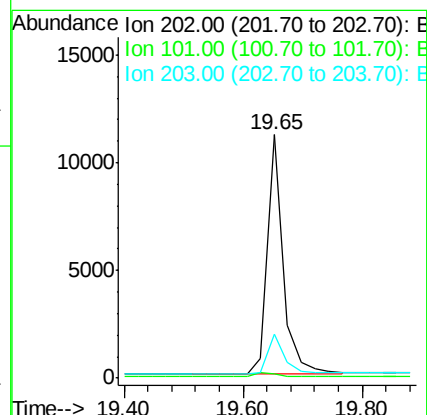
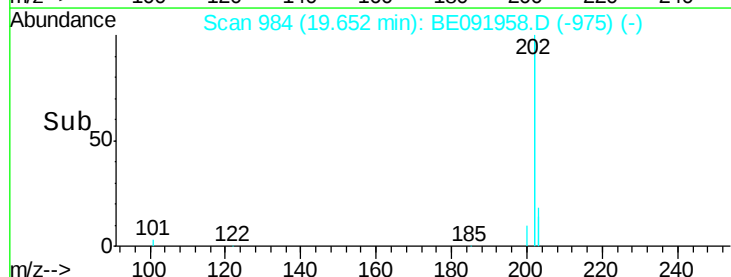
203 17.5 14.3 21.5



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

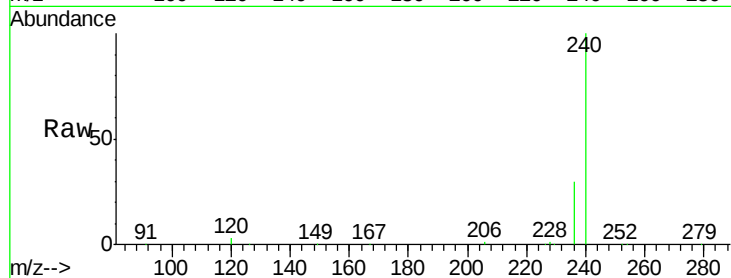




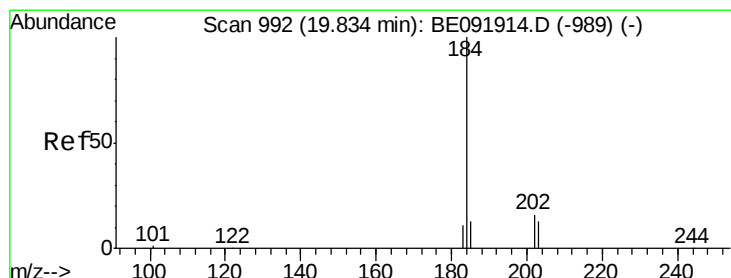
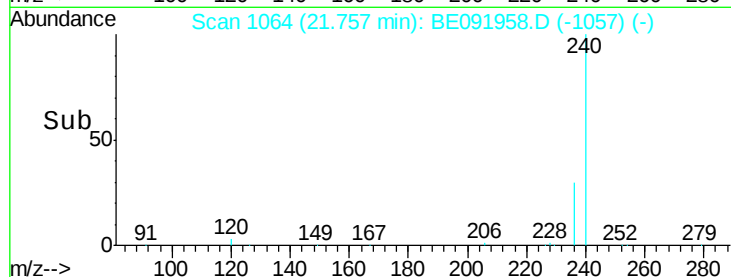
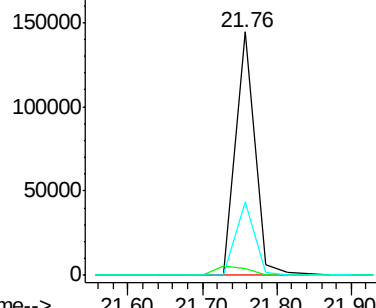
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 263131
Ion Ratio Lower Upper
240 100
120 2.7 1.2 1.8#
236 30.2 19.8 29.8#

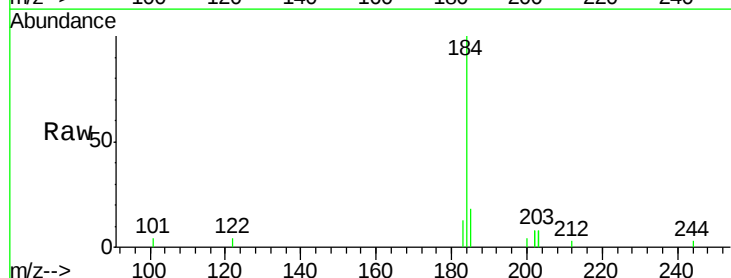


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

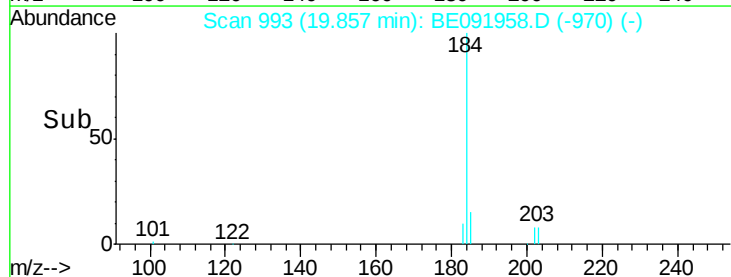
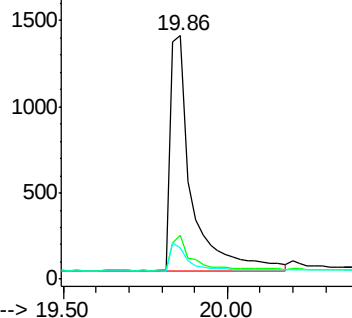


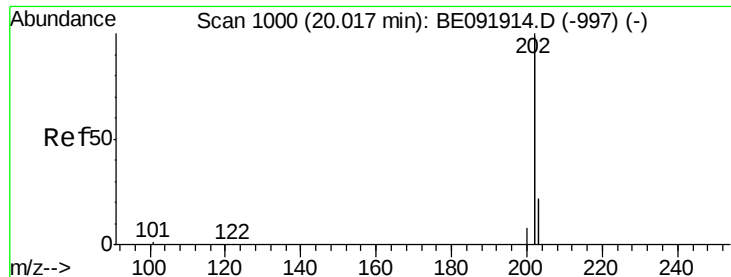
#32
Benzidine
Concen: 0.69 ng
RT: 19.86 min Scan# 993
Delta R.T. 0.02 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Tgt Ion:184 Resp: 6153
Ion Ratio Lower Upper
184 100
185 18.3 11.4 17.2#
183 13.0 11.8 17.6



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

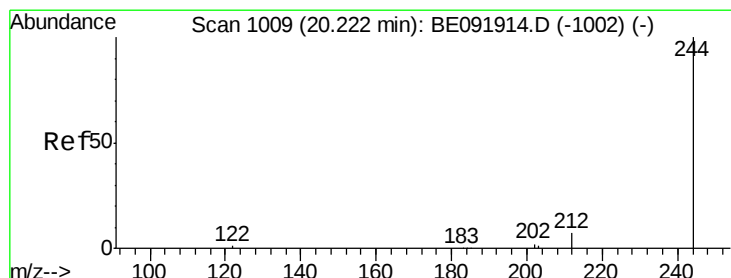
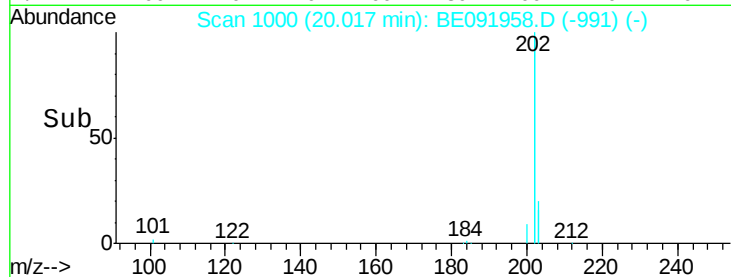
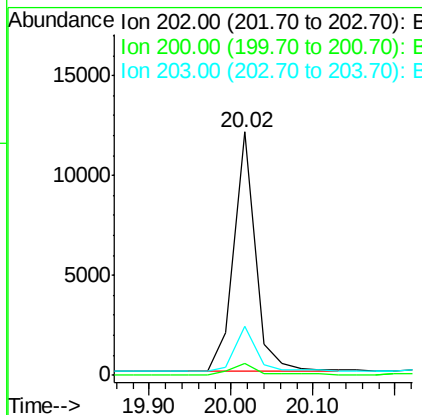
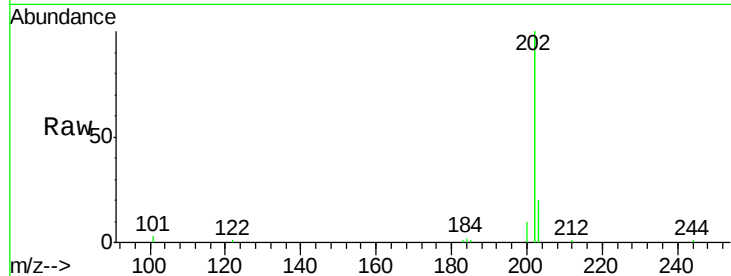




#33
Pvrene
Concen: 0.12 ng
RT: 20.02 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

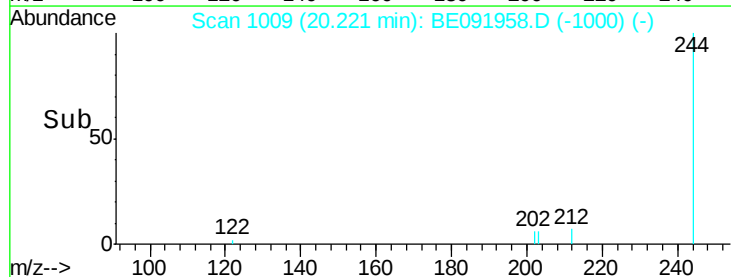
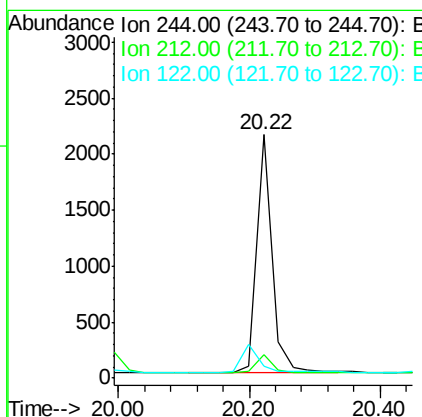
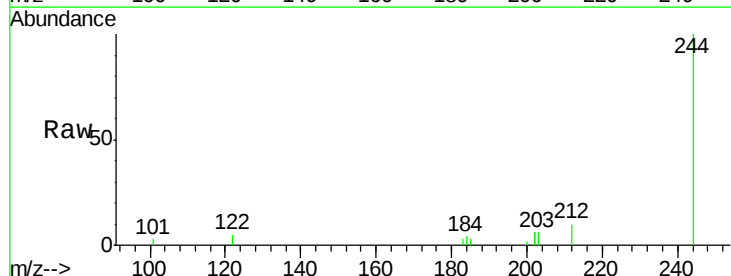
Instrument :
BNA_E
ClientSampleId :

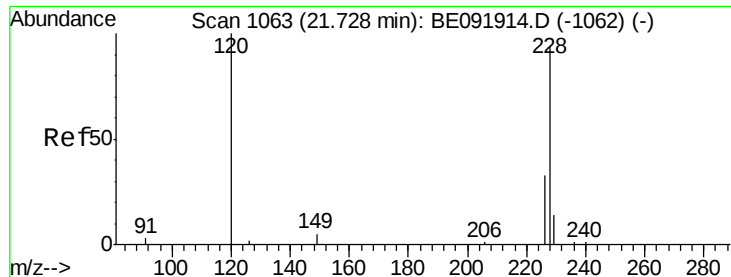
Tot Ion:202 Resp: 21718
Ion Ratio Lower Upper
202 100
200 5.3 16.9 25.3#
203 18.1 14.1 21.1



#34
Terphenyl-d14
Concen: 0.11 ng
RT: 20.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BE091958.D
Acq: 5 Jul 2016 8:51

Tgt Ion:244 Resp: 3498
Ion Ratio Lower Upper
244 100
212 9.8 6.5 9.7#
122 5.1 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 0.30 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampled :

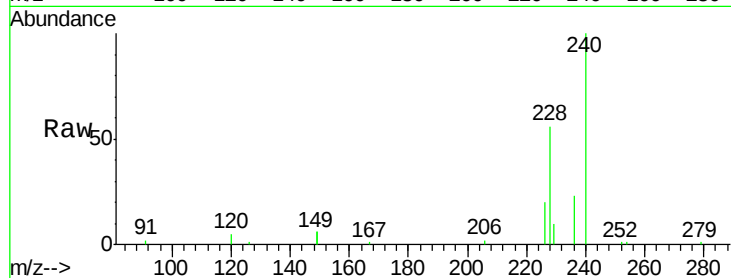
Tot Ion:228 Resp: 12499

Ion Ratio Lower Upper

228 100

226 34.8 21.0 31.4#

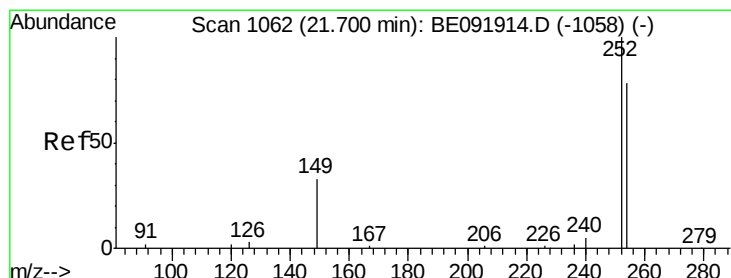
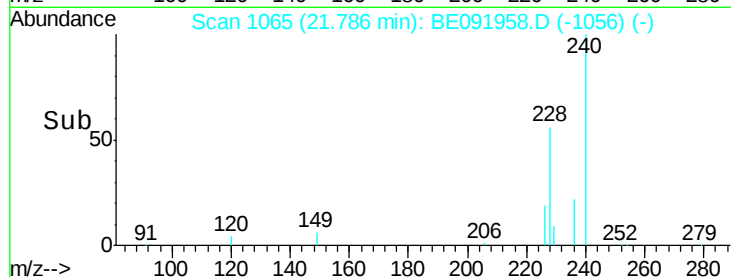
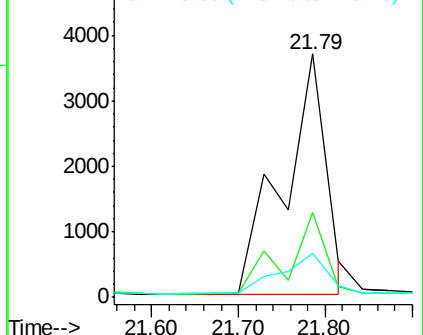
229 18.0 15.8 23.8



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



#36

3,3'-Dichlorobenzidine

Concen: 0.29 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

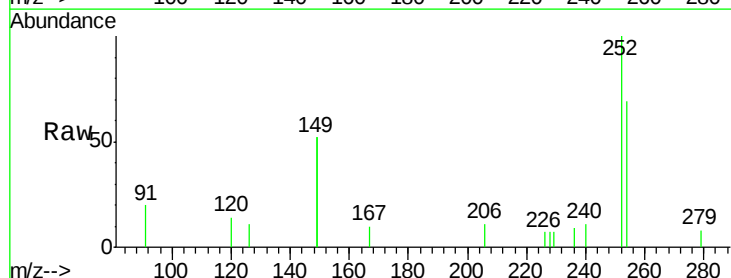
Tgt Ion:252 Resp: 1940

Ion Ratio Lower Upper

252 100

254 68.7 61.5 92.3

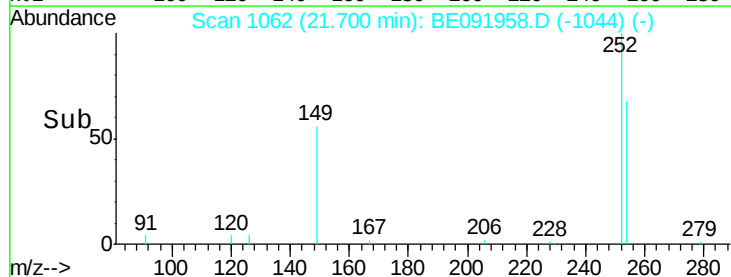
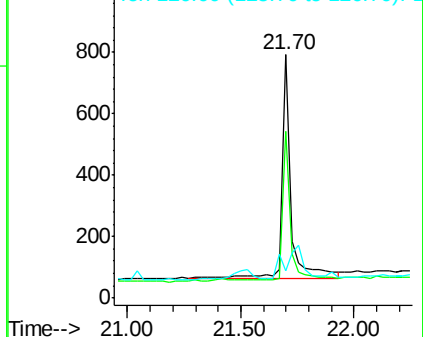
126 11.1 2.5 3.7#

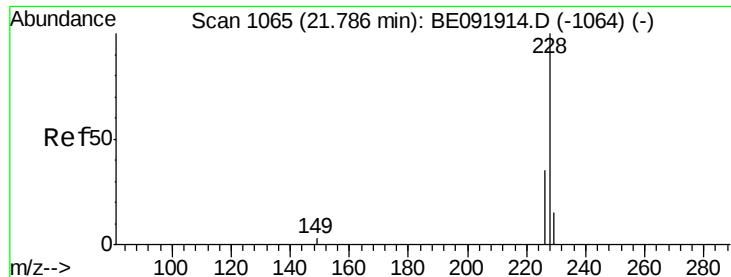


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.21 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampled :

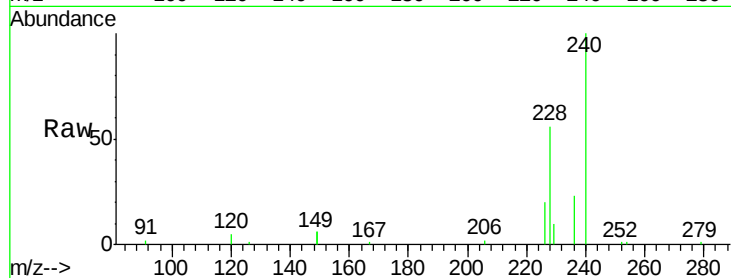
Tot Ion:228 Resp: 12713

Ion Ratio Lower Upper

228 100

226 34.8 27.0 40.6

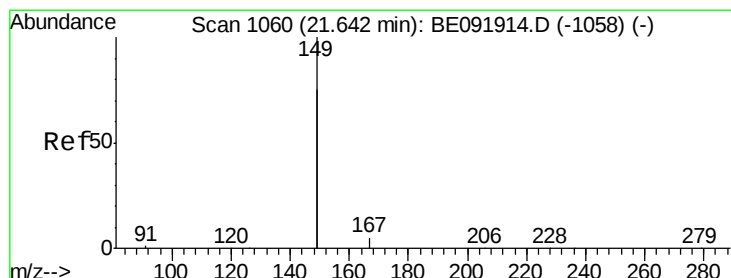
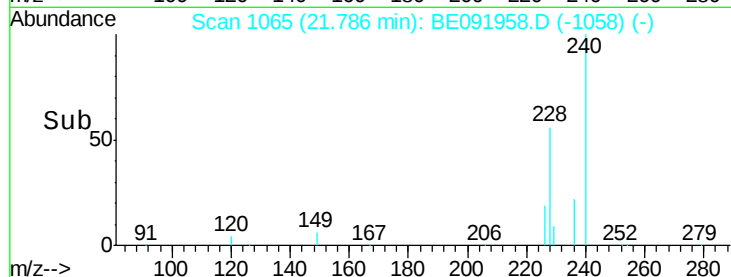
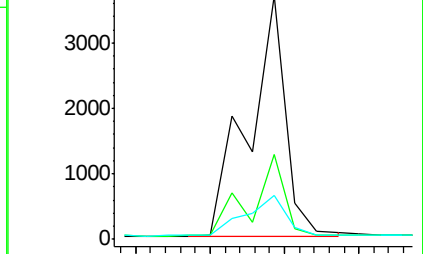
229 18.0 13.8 20.8



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

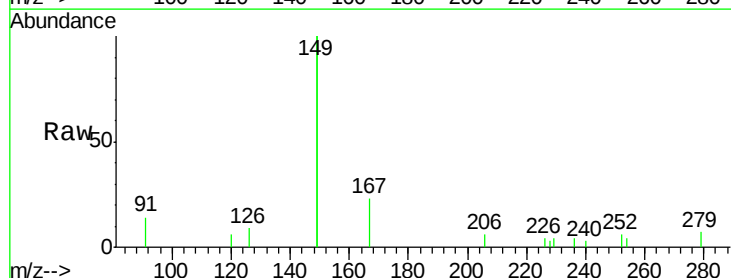
Tgt Ion:149 Resp: 5838

Ion Ratio Lower Upper

149 100

167 9.6 0.0 0.0#

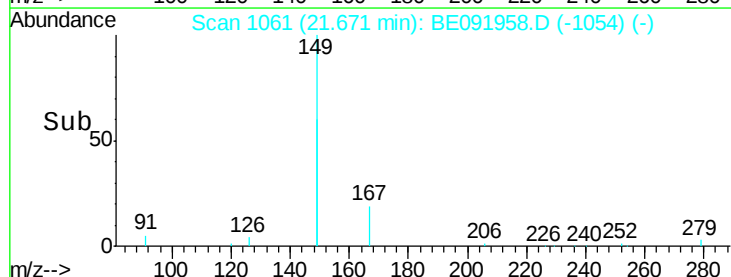
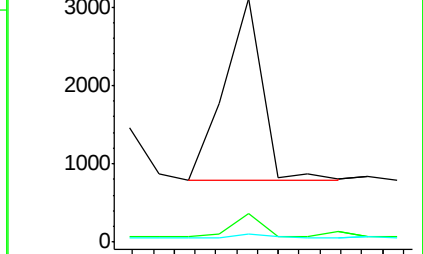
279 1.8 0.0 0.0#

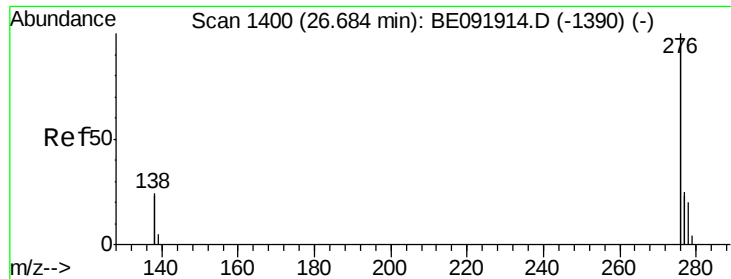


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

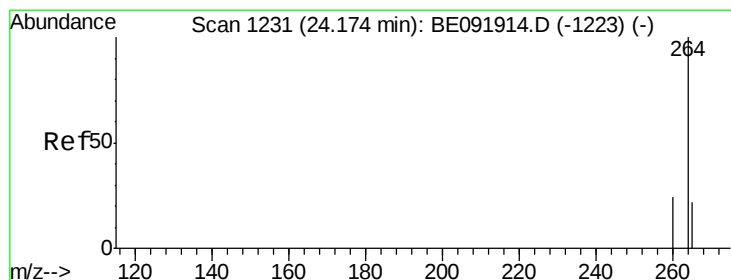
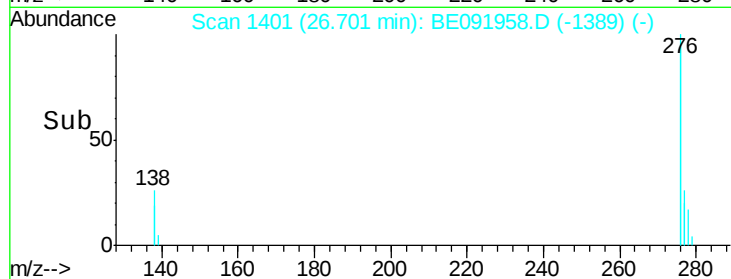
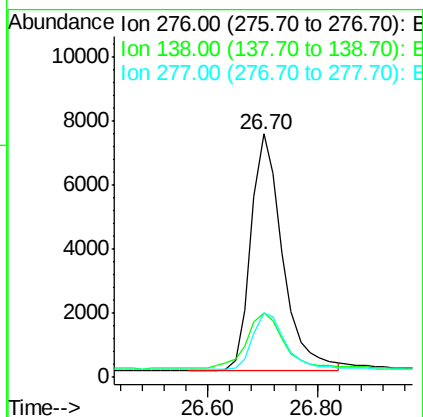
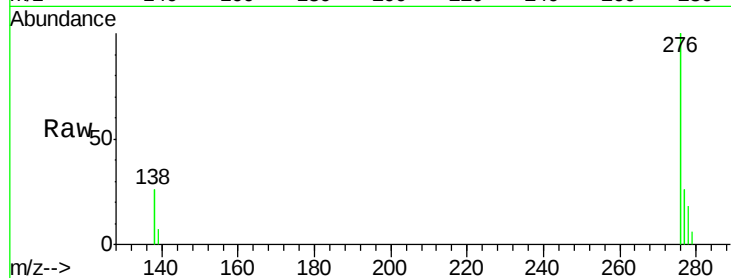




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.14 ng
 RT: 26.70 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091958.D
 Acq: 5 Jul 2016 8:51

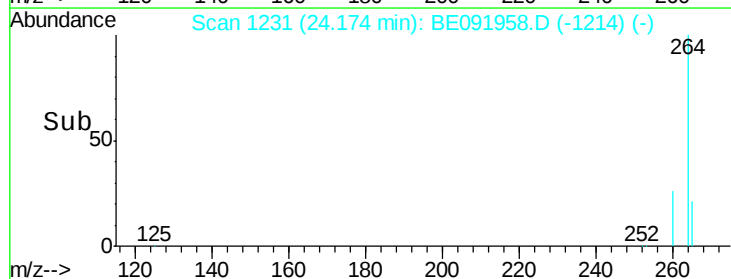
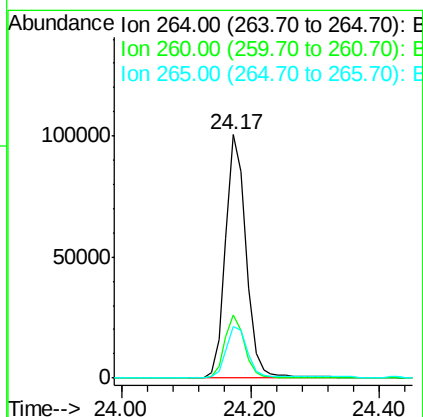
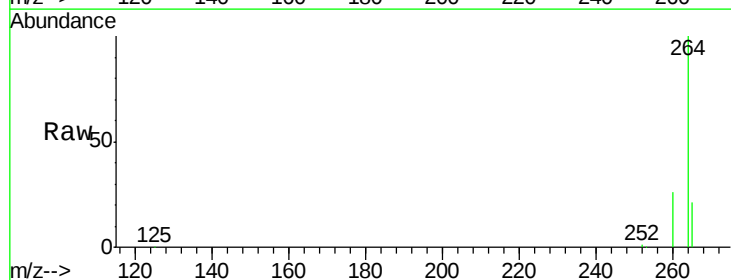
Instrument :
 BNA_E
 ClientSampleId :

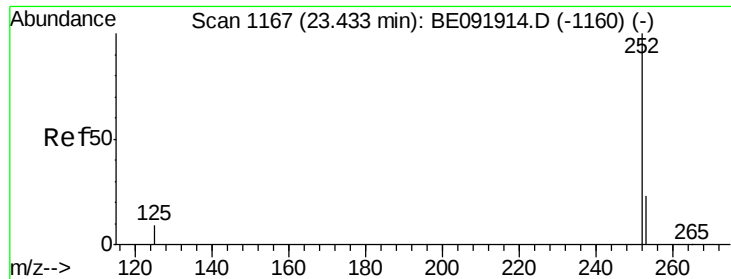
Tot Ion:276 Resp: 29651
 Ion Ratio Lower Upper
 276 100
 138 27.5 19.7 29.5
 277 24.7 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BE091958.D
 Acq: 5 Jul 2016 8:51

Tgt Ion:264 Resp: 222380
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.3 30.5
 265 21.2 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.11 ng

RT: 23.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

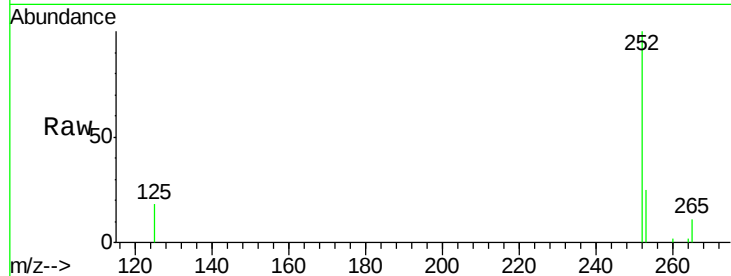
Tot Ion:252 Resp: 6314

Ion Ratio Lower Upper

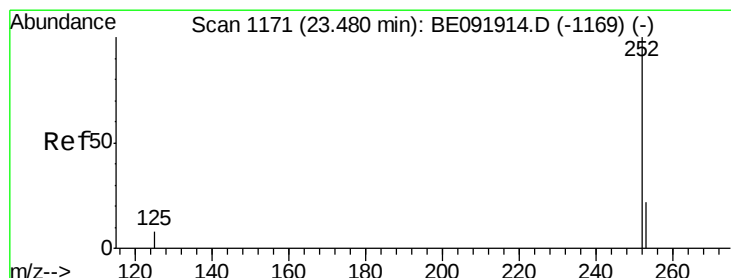
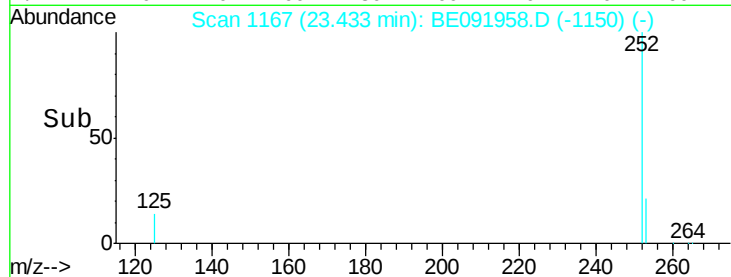
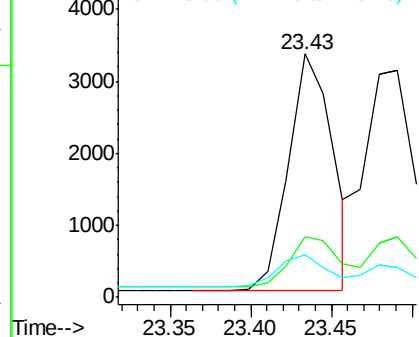
252 100

253 25.0 17.8 26.6

125 17.8 9.4 14.2#



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



#42

Benzo(k)fluoranthene

Concen: 0.13 ng

RT: 23.49 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

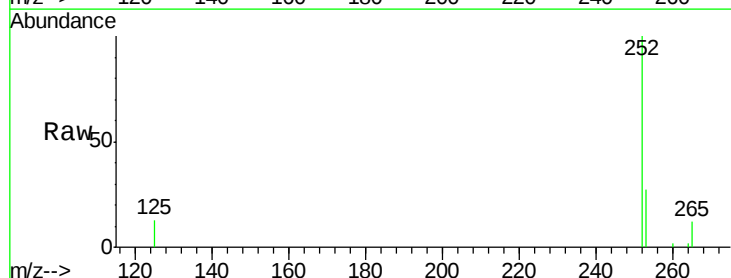
Tgt Ion:252 Resp: 6896

Ion Ratio Lower Upper

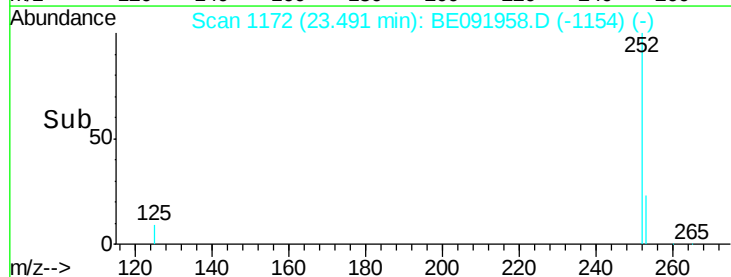
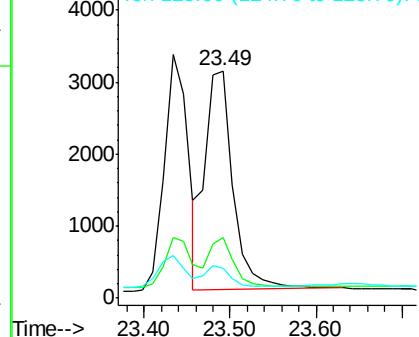
252 100

253 26.7 19.4 29.2

125 13.4 8.3 12.5#



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





#43

Benzo(a)pyrene

Concen: 0.13 ng

RT: 24.07 min Scan# 1222

Delta R.T. 0.01 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :

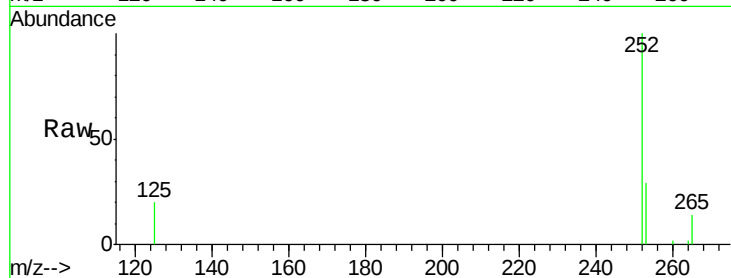
Tot Ion:252 Resp: 6501

Ion Ratio Lower Upper

252 100

253 28.5 18.9 28.3#

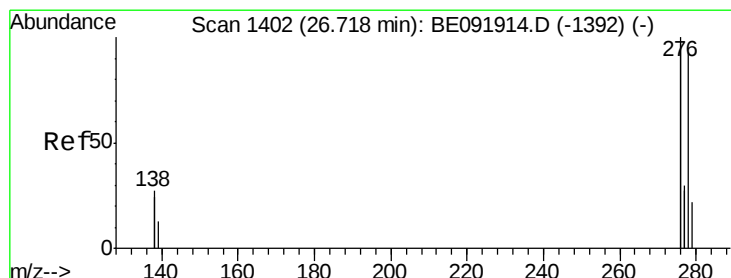
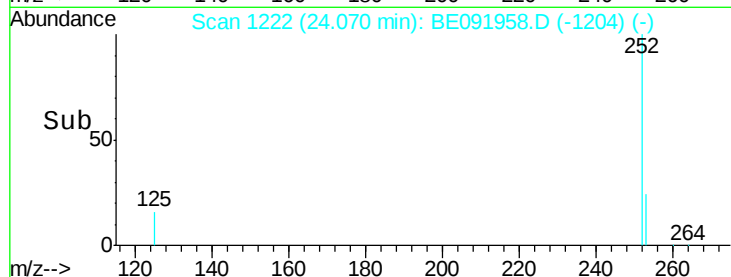
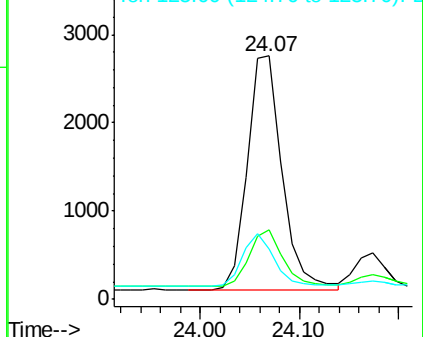
125 20.4 10.5 15.7#



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



#44

Dibenzo(a,h)anthracene

Concen: 0.12 ng

RT: 26.74 min Scan# 1403

Delta R.T. 0.02 min

Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

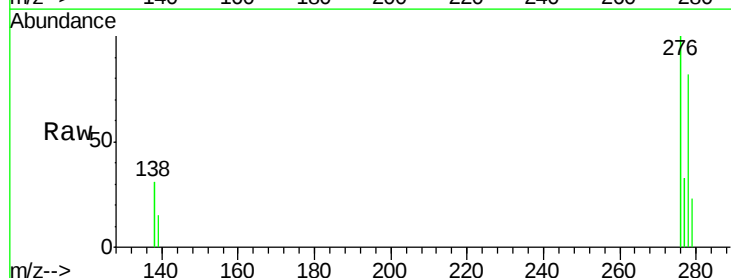
Tgt Ion:278 Resp: 5997

Ion Ratio Lower Upper

278 100

139 18.4 12.6 18.8

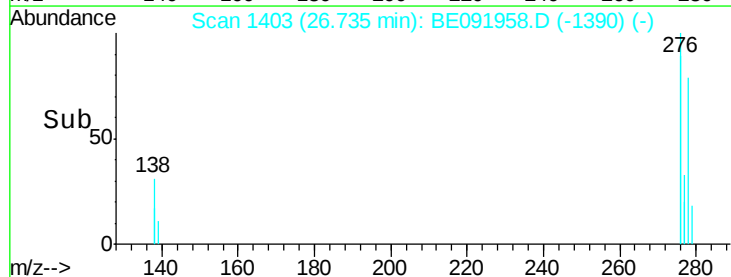
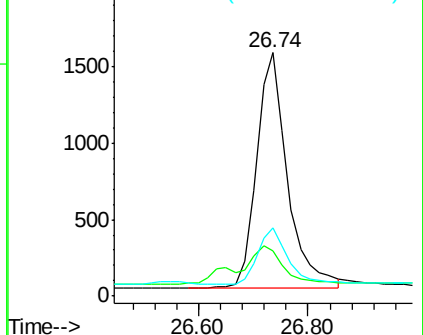
279 27.8 20.0 30.0

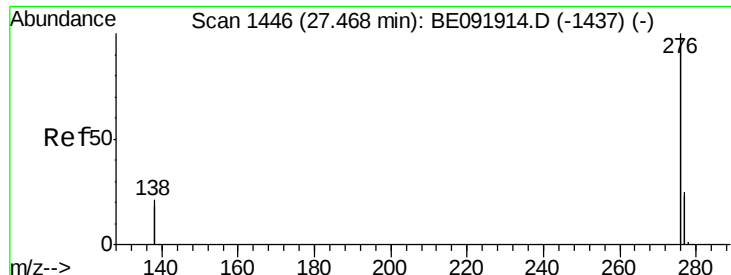


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.13 ng

RT: 27.49 min Scan# 1447

Delta R.T. 0.02 min

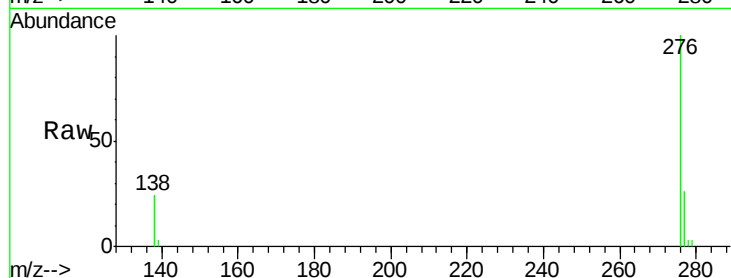
Lab File: BE091958.D

Acq: 5 Jul 2016 8:51

Instrument :

BNA_E

ClientSampleId :



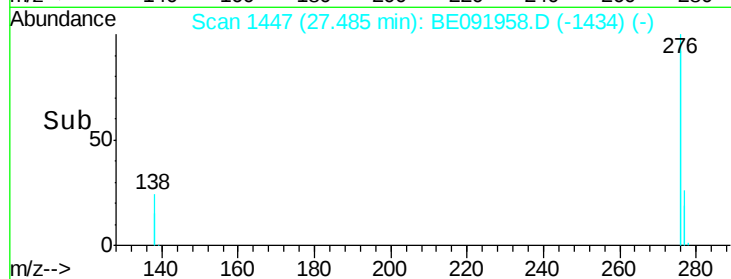
Tot Ion: 276 Resp: 25074

Ion Ratio Lower Upper

276 100

277 26.5 19.5 29.3

138 23.9 17.7 26.5



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

