

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061416\
 Data File : BE091914.D
 Acq On : 14 Jun 2016 16:23
 Operator : UM/SJ
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 14 17:10:04 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 17:07:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	29644	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	128567	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	92601	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	202069	5.00	ng	0.00
31) Chrysene-d12	21.76	240	330201	5.00	ng	0.00
40) Perylene-d12	24.17	264	240443	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.74	112	2293	0.36	ng	0.00
5) Phenol-d6	7.37	99	2879	0.37	ng	0.00
9) Nitrobenzene-d5	9.38	82	3569	0.41	ng	0.00
16) 2,4,6-Tribromophenol	16.36	330	712	0.27	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	10125	0.36	ng	0.00
34) Terphenyl-d14	20.22	244	16715	0.28	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	1727	0.37	ng	97
3) n-Nitrosodimethylamine	3.83	42	1923	0.39	ng	89
6) bis(2-Chloroethyl)ether	7.63	93	3386	0.40	ng	95
7) n-Nitroso-di-n-propylamine	9.02	70	2671	0.40	ng	# 98
10) Nitrobenzene	9.42	77	3578	0.46	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	4828	0.37	ng	# 1
12) Naphthalene	11.04	128	11969	0.43	ng	# 93
13) Hexachlorobutadiene	11.34	225	1936	0.47	ng	99
14) 2-Methylnaphthalene	12.69	142	7882	0.44	ng	92
18) Acenaphthylene	14.59	152	37352	0.89	ng	# 69
19) 2,6-Dinitrotoluene	14.44	165	4255	0.96	ng	# 57
20) Acenaphthene	14.92	154	10409	0.41	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	9198	1.74	ng	# 1
22) Fluorene	15.91	166	10402	0.33	ng	98
23) 4-Chlorophenyl-phenylether	15.91	204	5365	0.35	ng	96
25) 4-Bromophenyl-phenylether	16.80	248	3176	0.44	ng	95
26) Hexachlorobenzene	16.92	284	3343	0.45	ng	98
27) Pentachlorophenol	17.26	266	688	0.24	ng	97
28) Phenanthrene	17.64	178	21020	0.45	ng	100
29) Anthracene	17.73	178	17622	0.42	ng	99
30) Fluoranthene	19.65	202	87683	1.74	ng	# 88
32) Benzidine	19.83	184	3202	0.15	ng	# 95
33) Pyrene	20.02	202	87861	1.05	ng	# 80
35) Benzo(a)anthracene	21.79	228	52793	0.11	ng	# 91
36) 3,3'-Dichlorobenzidine	21.70	252	2801	0.12	ng	# 98
37) Chrysene	21.79	228	53491	0.16	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	13306	0.28	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	102345	1.02	ng	98
41) Benzo(b)fluoranthene	23.43	252	25653	0.44	ng	96
42) Benzo(k)fluoranthene	23.48	252	22678	0.37	ng	97
43) Benzo(a)pyrene	24.06	252	21462	0.39	ng	98
44) Dibenzo(a,h)anthracene	26.72	278	21131	0.41	ng	99
45) Benzo(a,h,i)perylene	27.47	276	87603	1.63	ng	98

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QLast Update : Tue Jun 14 17:07:26 2016
Response via : Initial Calibration

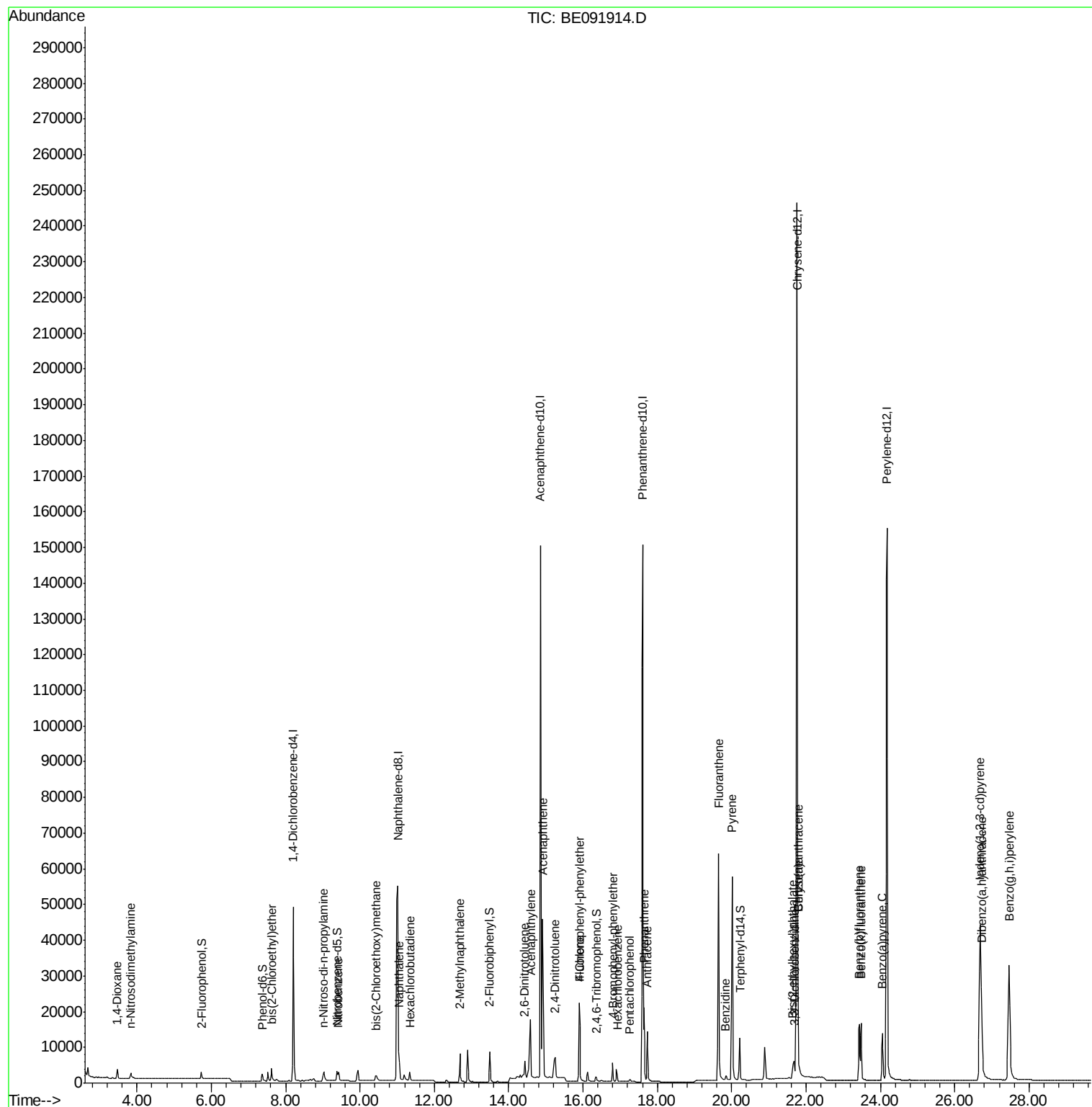
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_E
ClientSampled :

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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: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

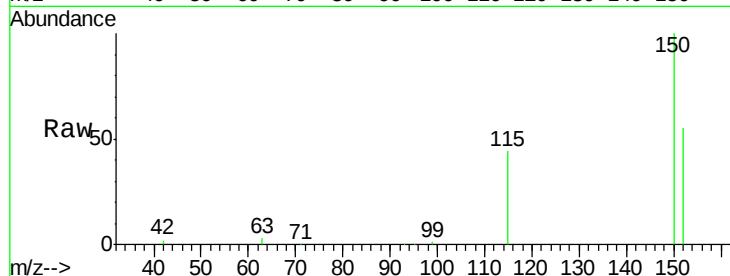
Tot Ion:152 Resp: 29644

Ion Ratio Lower Upper

152 100

150 181.2 123.9 185.9

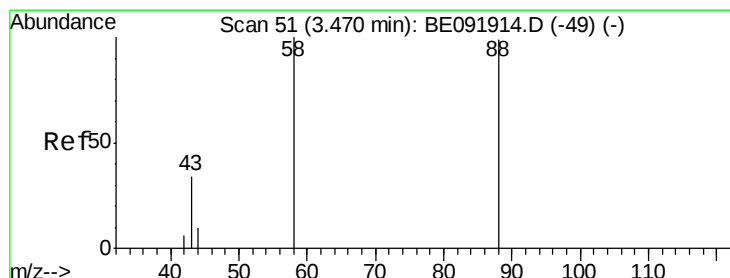
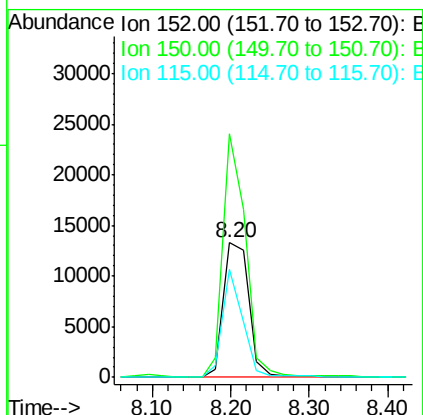
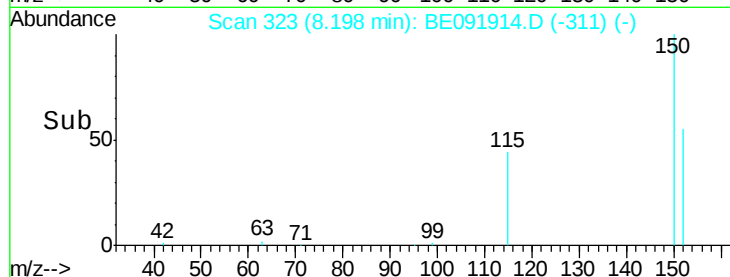
115 79.9 48.3 72.5#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.37 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

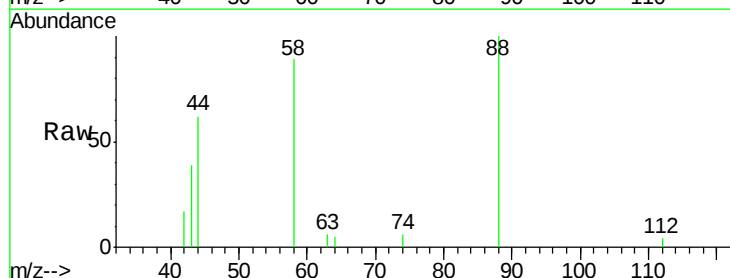
Tgt Ion: 88 Resp: 1727

Ion Ratio Lower Upper

88 100

58 82.8 63.0 94.4

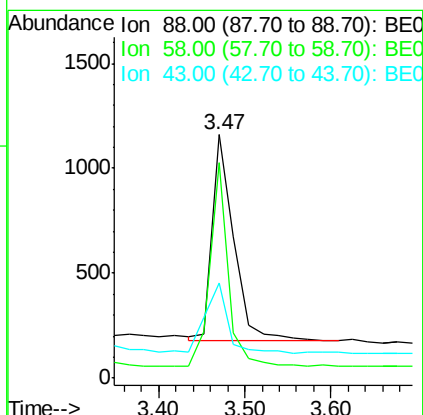
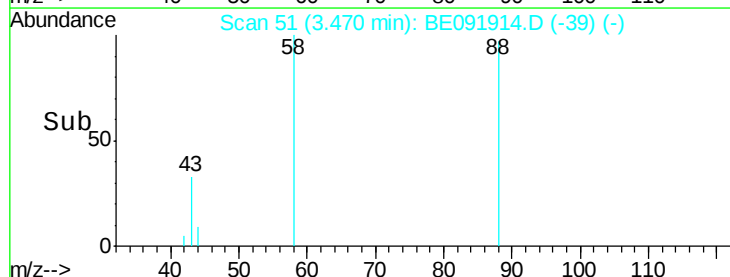
43 36.7 29.1 43.7



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



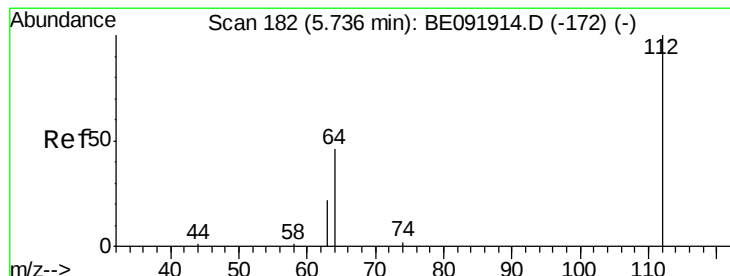
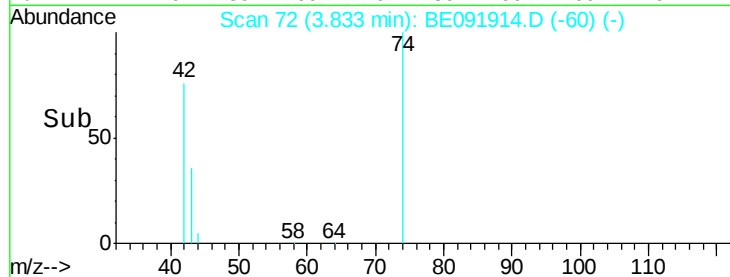
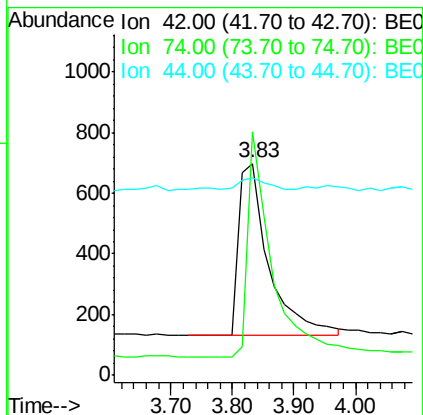
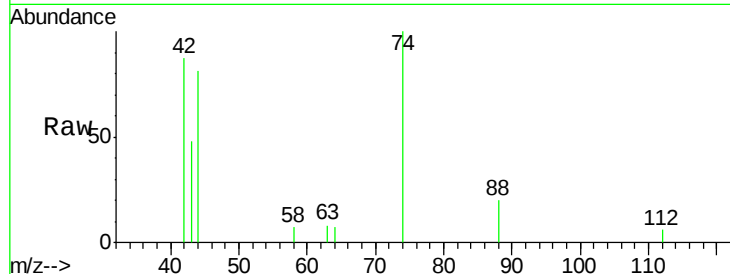


#3

n-Nitrosodimethylamine
 Concen: 0.39 ng
 RT: 3.83 min Scan# 72
 Delta R.T. 0.00 min
 Lab File: BE091914.D
 Acq: 14 Jun 2016 16:23

Instrument :
 BNA_E
 ClientSampled :

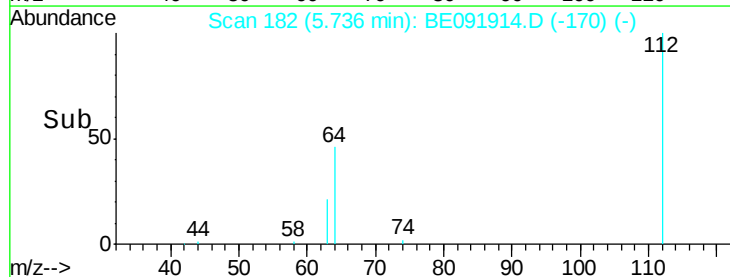
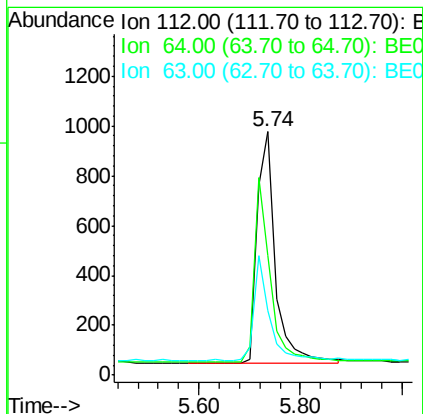
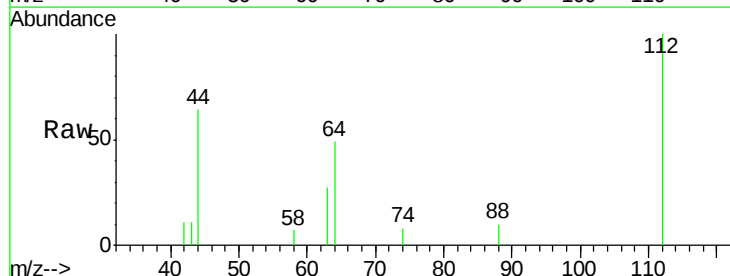
Tot Ion: 42 Resp: 1923
 Ion Ratio Lower Upper
 42 100
 74 104.2 93.4 140.0
 44 6.8 5.0 7.6

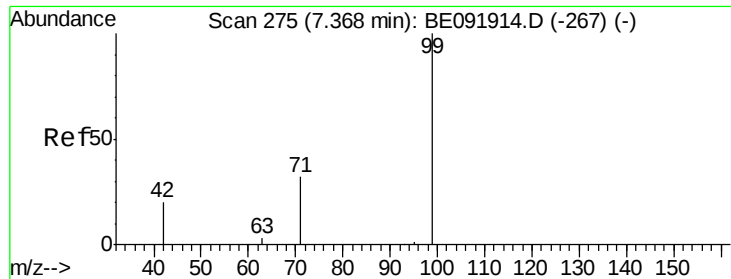


#4

2-Fluorophenol
 Concen: 0.36 ng
 RT: 5.74 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: BE091914.D
 Acq: 14 Jun 2016 16:23

Tgt Ion: 112 Resp: 2293
 Ion Ratio Lower Upper
 112 100
 64 68.8 53.7 80.5
 63 37.2 29.5 44.3





#5

Phenol-d6

Concen: 0.37 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

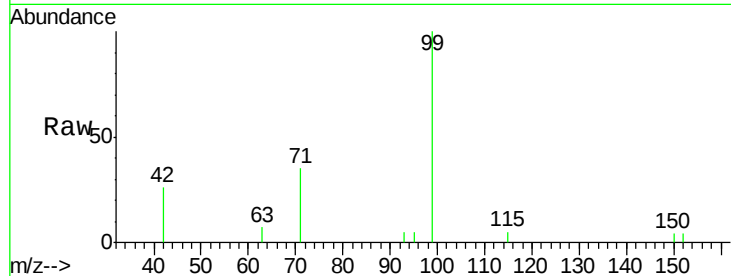
Tot Ion: 99 Resp: 2879

Ion Ratio Lower Upper

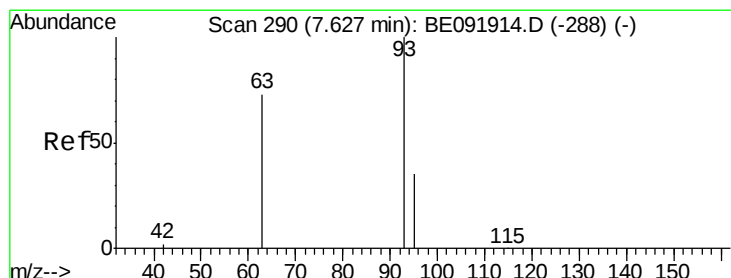
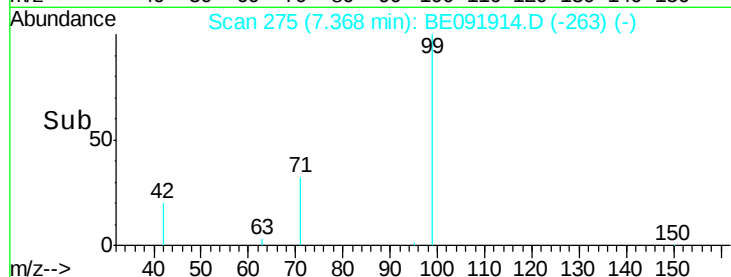
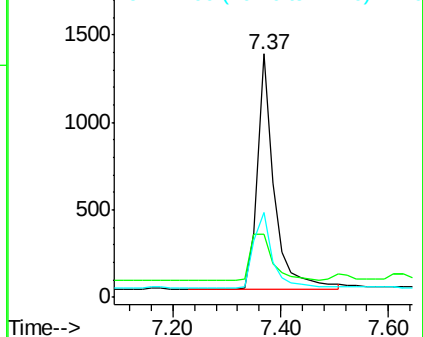
99 100

42 27.7 19.6 29.4

71 37.2 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: 0.40 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

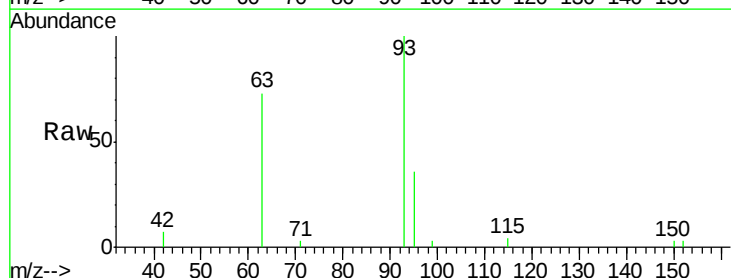
Tgt Ion: 93 Resp: 3386

Ion Ratio Lower Upper

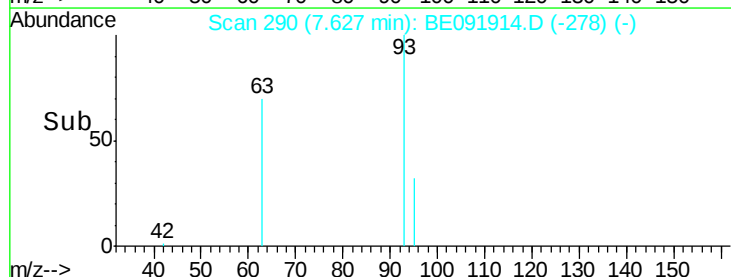
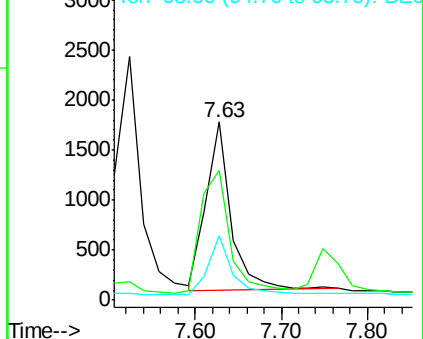
93 100

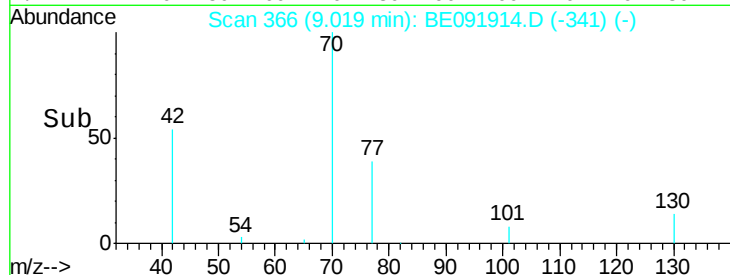
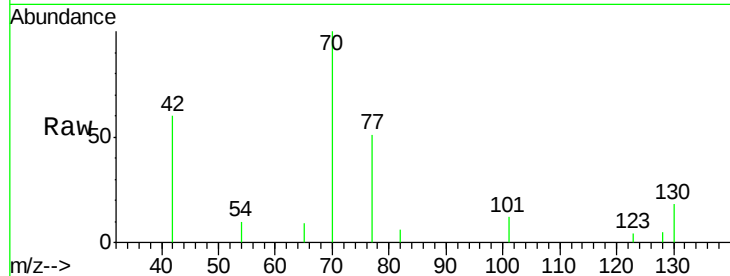
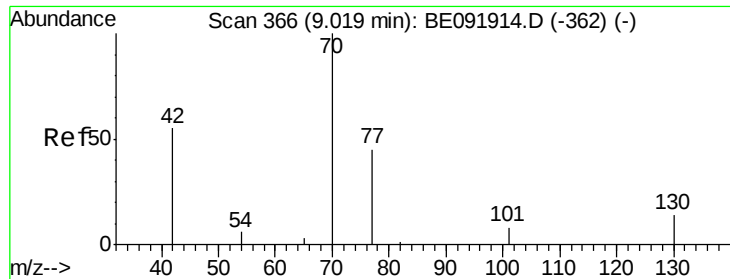
63 87.0 66.2 99.4

95 34.7 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: 0.40 ng

RT: 9.02 min Scan# 366

Delta R.T. 0.00 min

Lab File: BE091914.D

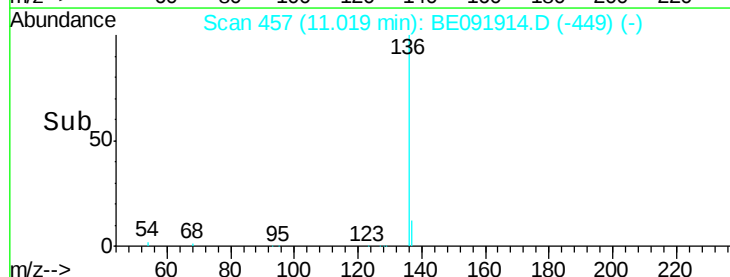
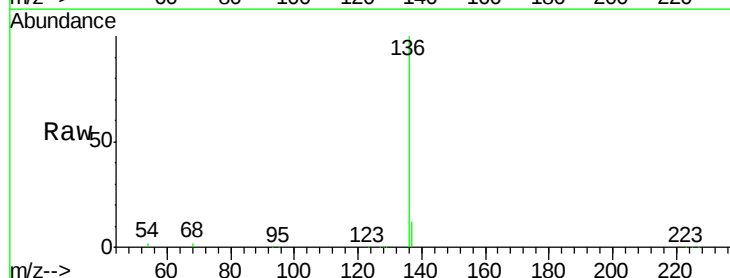
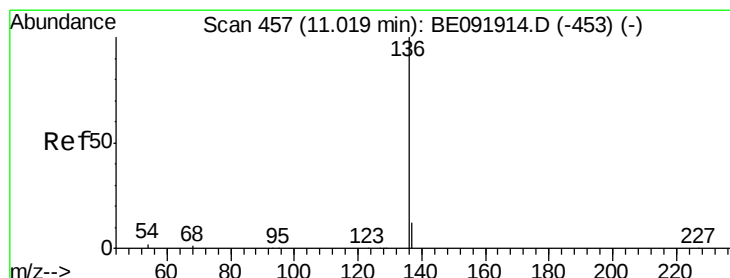
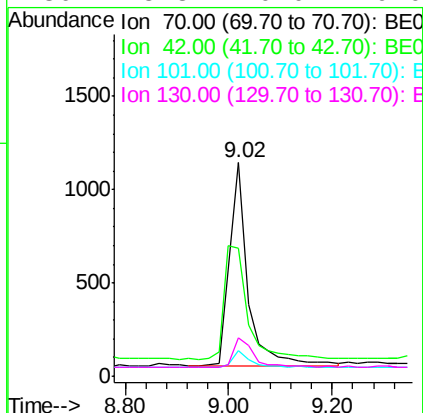
Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	70	Resp:	2671
Ion	Ratio	Lower	Upper
70	100		
42	71.6	58.4	87.6
101	8.2	6.4	9.6
130	15.8	0.0	0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

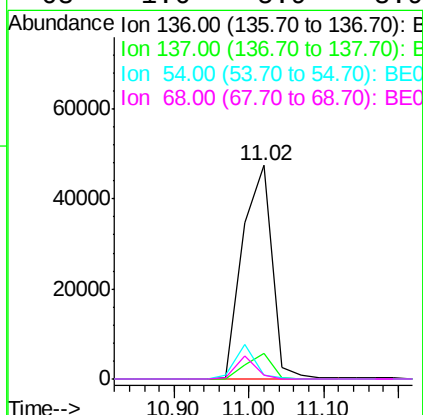
RT: 11.02 min Scan# 457

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Tgt Ion:	136	Resp:	128567
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.3	12.5
54	1.8	8.2	12.4#
68	1.6	5.9	8.9#





#9

Nitrobenzene-d5

Concen: 0.41 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

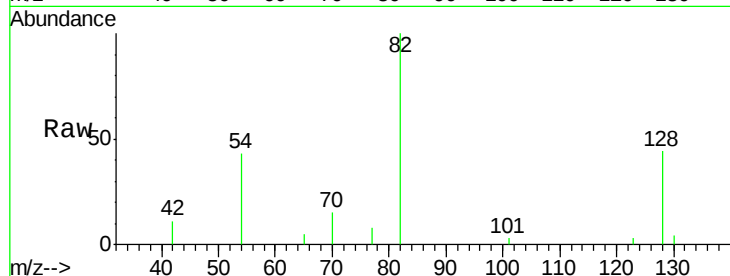
Tot Ion: 82 Resp: 3569

Ion Ratio Lower Upper

82 100

128 43.7 39.5 59.3

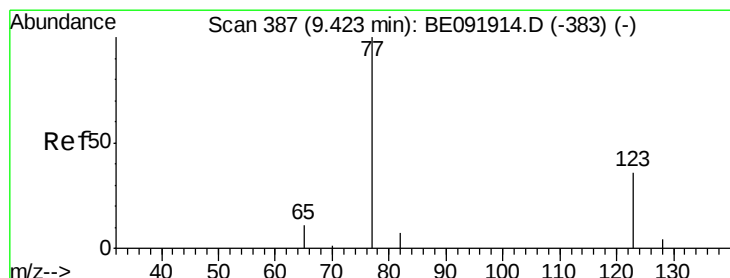
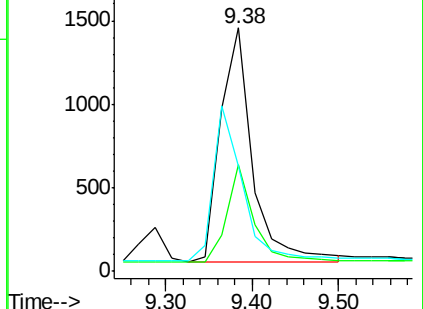
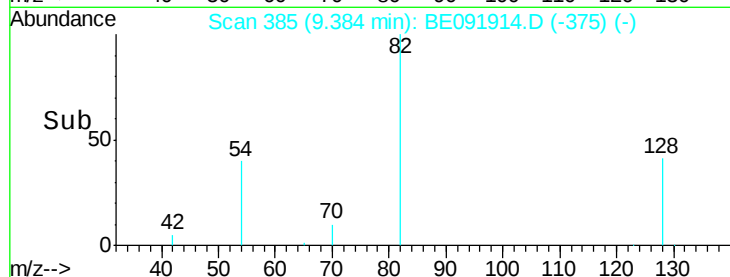
54 43.1 30.3 45.5



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: 0.46 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

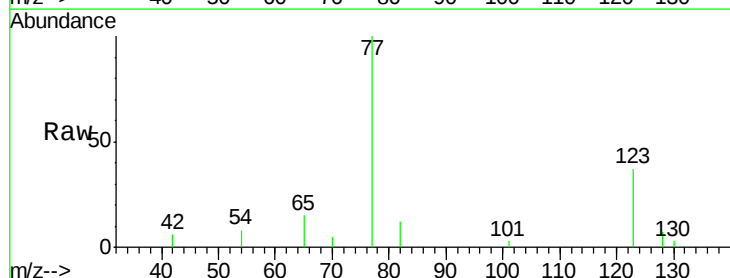
Tgt Ion: 77 Resp: 3578

Ion Ratio Lower Upper

77 100

123 35.9 0.0 0.0#

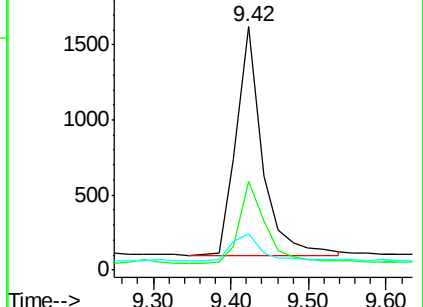
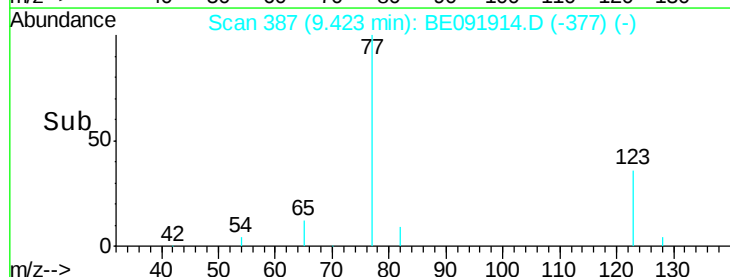
65 13.3 11.1 16.7

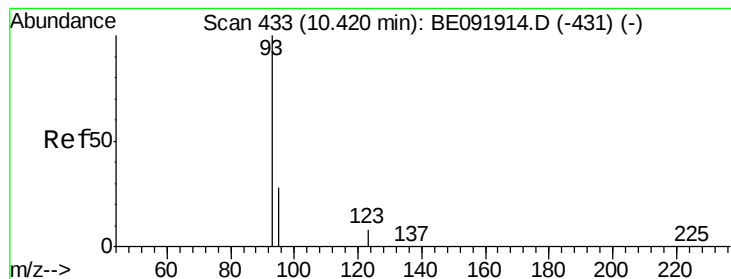


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.37 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

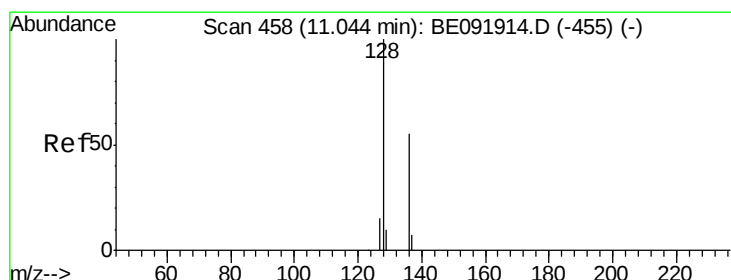
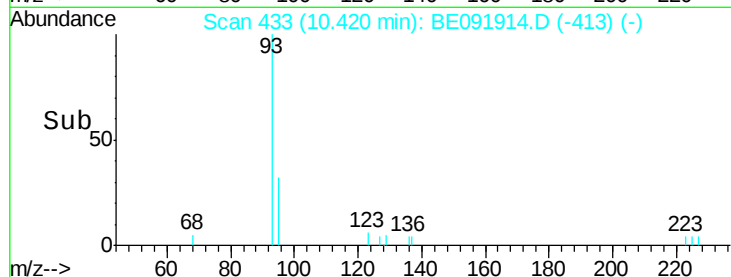
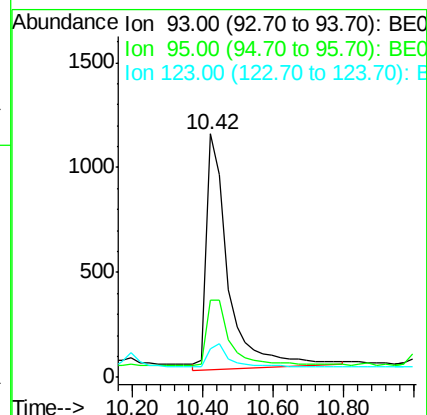
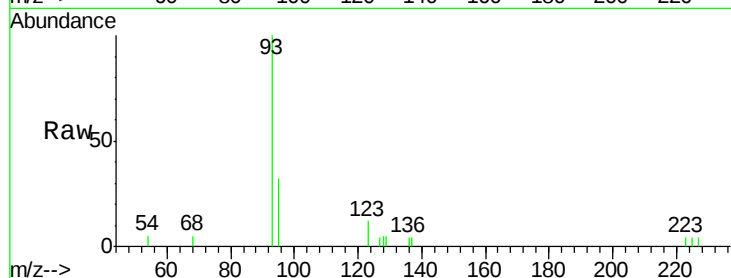
Tot Ion: 93 Resp: 4828

Ion Ratio Lower Upper

93 100

95 0.0 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 0.43 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

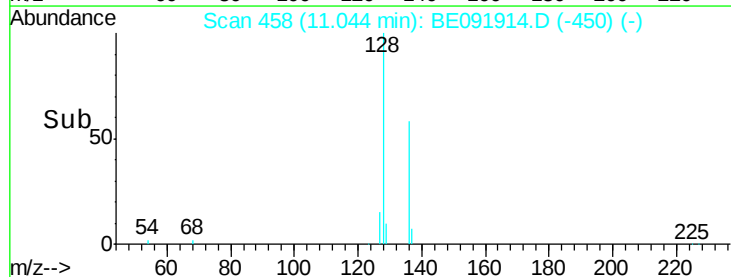
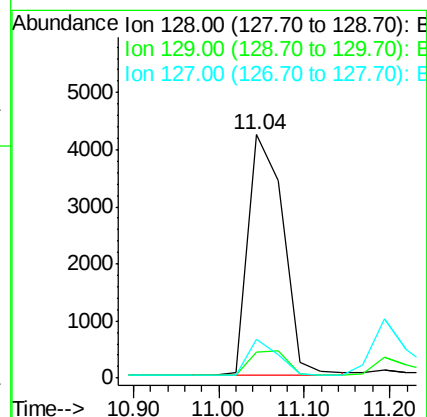
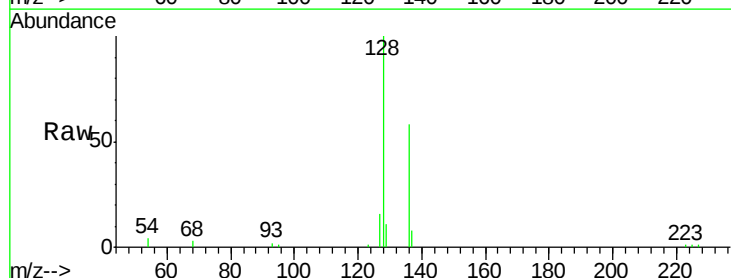
Tgt Ion: 128 Resp: 11969

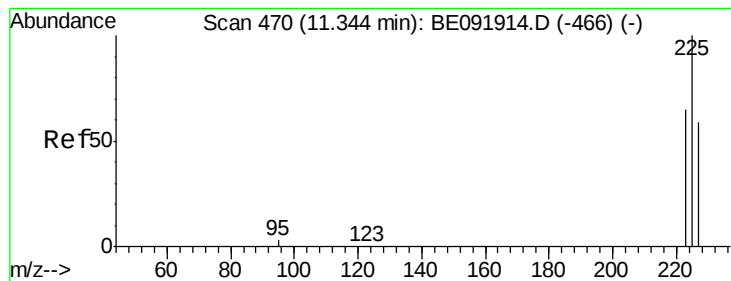
Ion Ratio Lower Upper

128 100

129 10.7 10.4 15.6

127 15.8 10.2 15.2#





#13

Hexachlorobutadiene

Concen: 0.47 ng

RT: 11.34 min Scan# 470

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

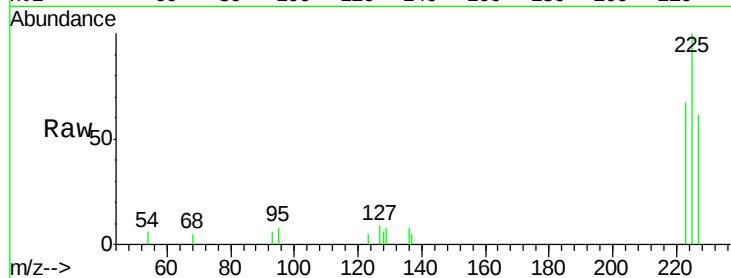
Tot Ion:225 Resp: 1936

Ion Ratio Lower Upper

225 100

223 63.0 49.8 74.8

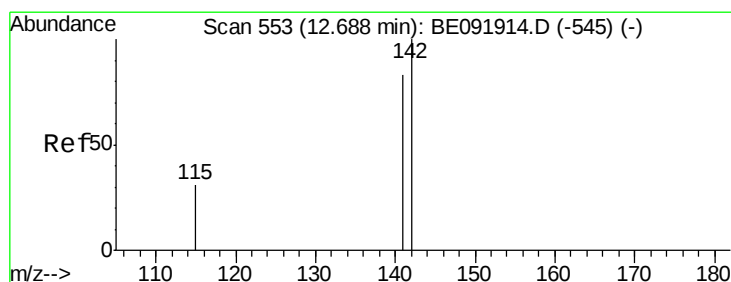
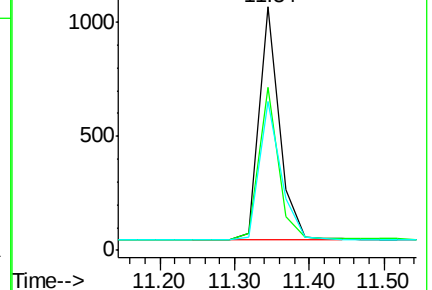
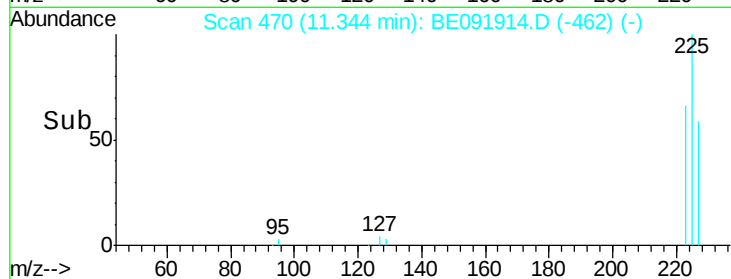
227 63.5 50.6 75.8



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



#14

2-Methylnaphthalene

Concen: 0.44 ng

RT: 12.69 min Scan# 553

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

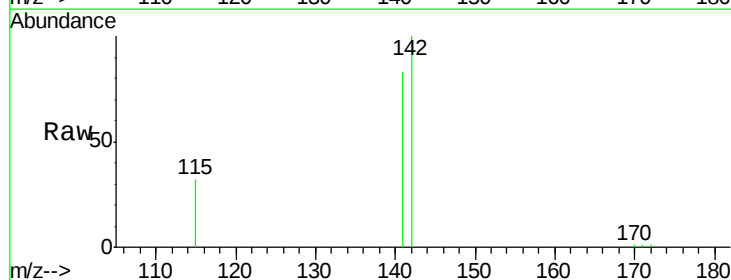
Tgt Ion:142 Resp: 7882

Ion Ratio Lower Upper

142 100

141 82.9 71.9 107.9

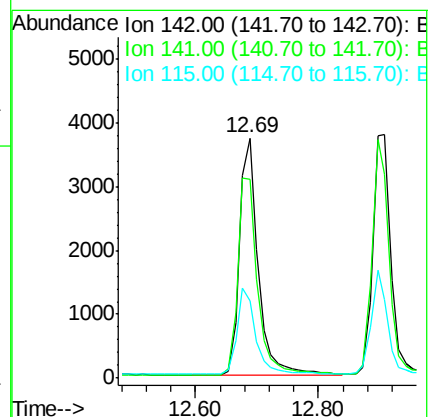
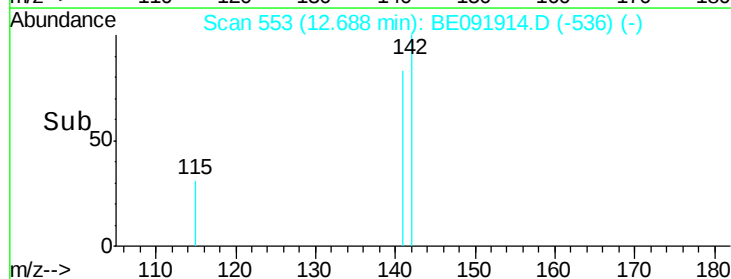
115 32.2 29.9 44.9

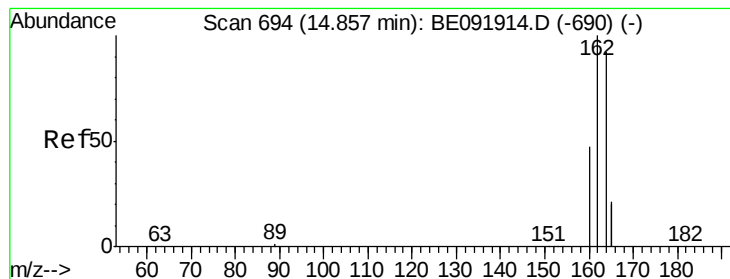


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

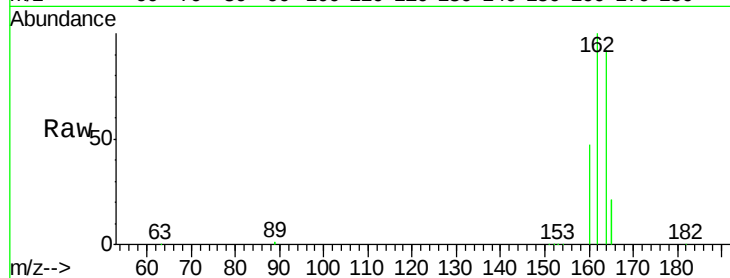
Tot Ion:164 Resp: 92601

Ion Ratio Lower Upper

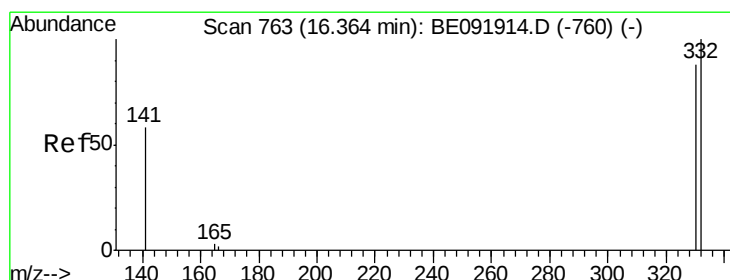
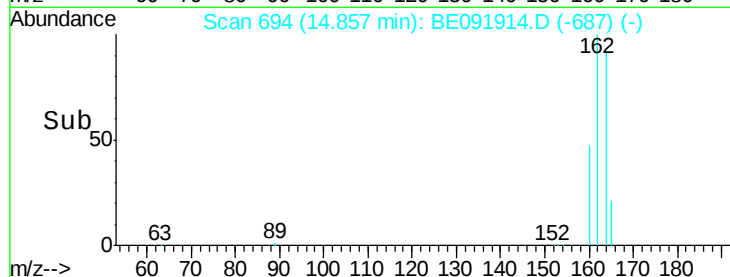
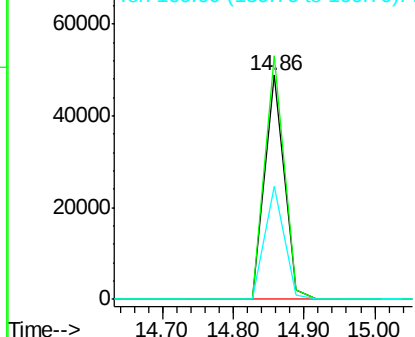
164 100

162 108.7 71.8 107.8#

160 50.6 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: 0.27 ng

RT: 16.36 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

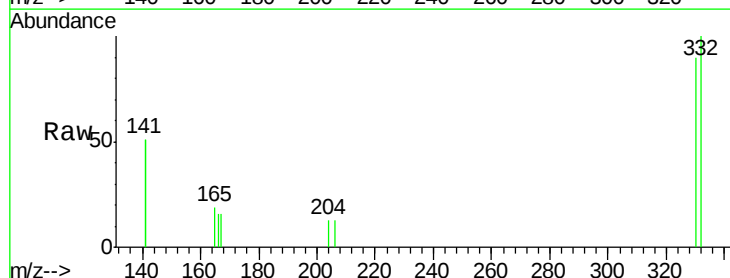
Tgt Ion:330 Resp: 712

Ion Ratio Lower Upper

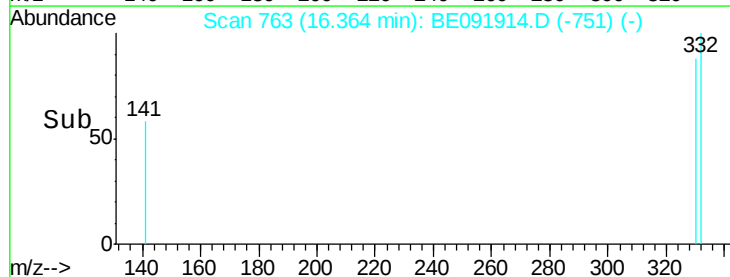
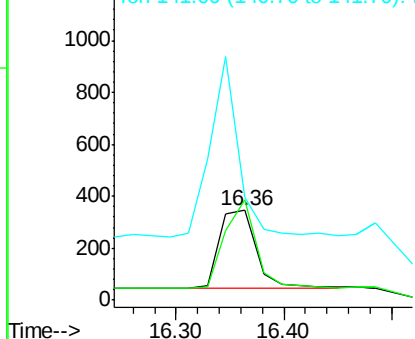
330 100

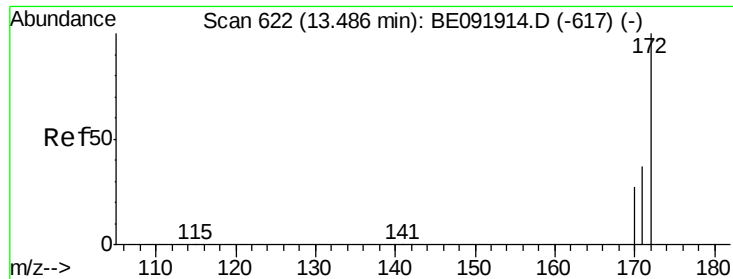
332 97.1 77.0 115.6

141 179.4 138.4 207.6



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

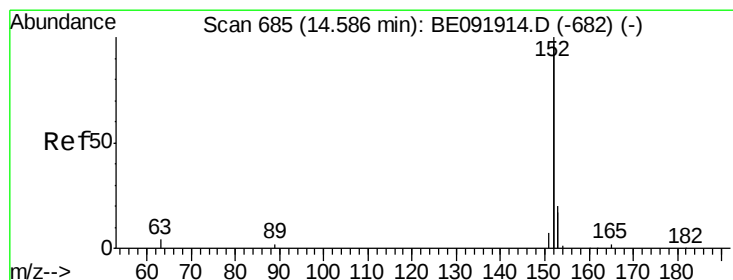
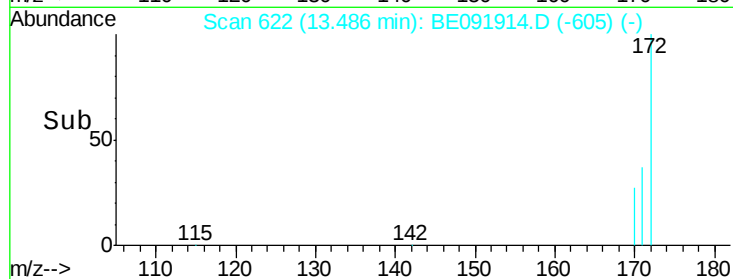
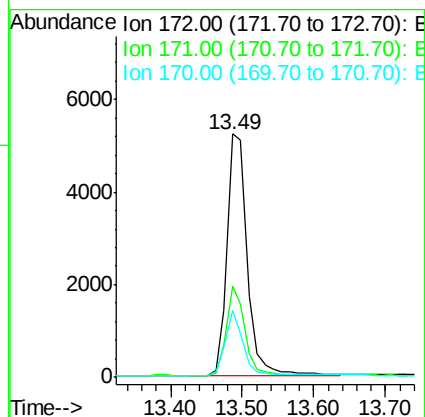
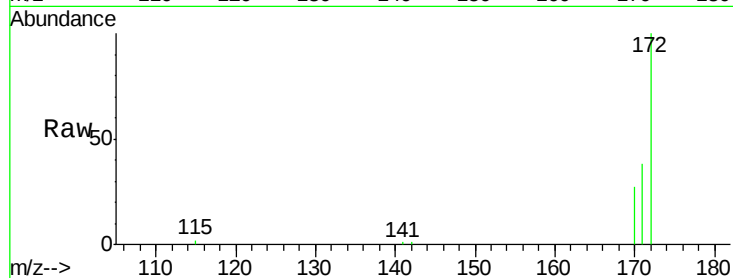




#17
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091914.D
Acq: 14 Jun 2016 16:23

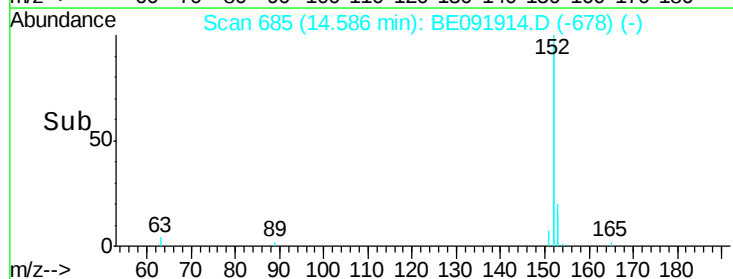
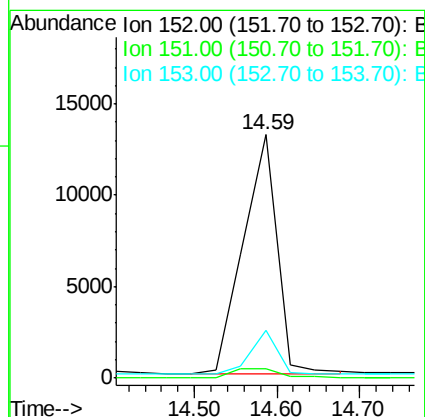
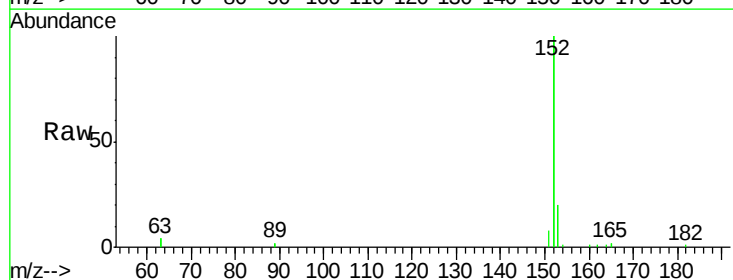
Instrument :
BNA_E
ClientSampleId :

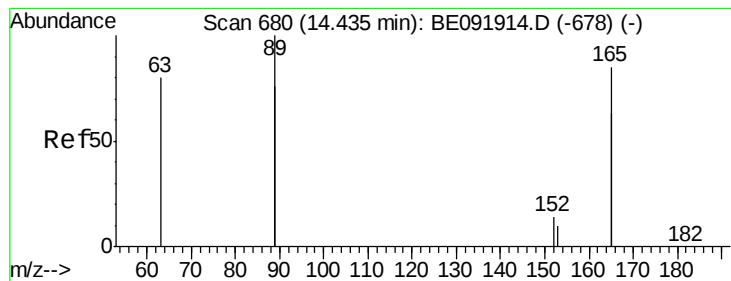
Tot Ion:172 Resp: 10125
Ion Ratio Lower Upper
172 100
171 37.7 24.3 36.5#
170 27.3 14.9 22.3#



#18
Acenaphthylene
Concen: 0.89 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.00 min
Lab File: BE091914.D
Acq: 14 Jun 2016 16:23

Tgt Ion:152 Resp: 37352
Ion Ratio Lower Upper
152 100
151 0.0 19.4 29.2#
153 14.7 14.4 21.6





#19

2,6-Dinitrotoluene

Concen: 0.96 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

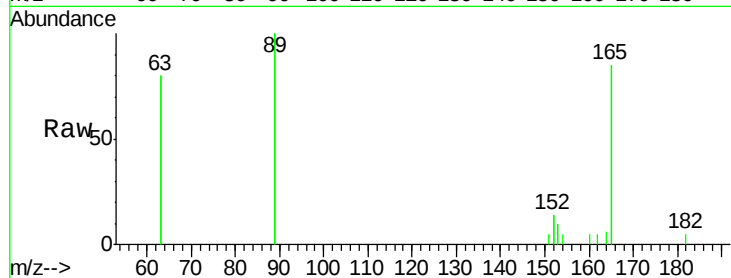
Tot Ion:165 Resp: 4255

Ion Ratio Lower Upper

165 100

63 140.0 65.9 98.9#

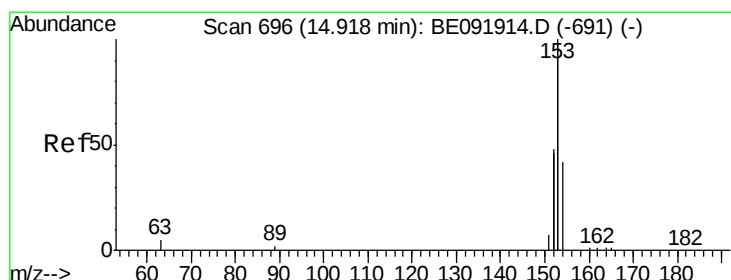
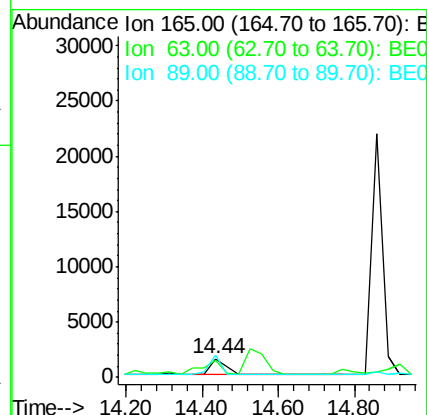
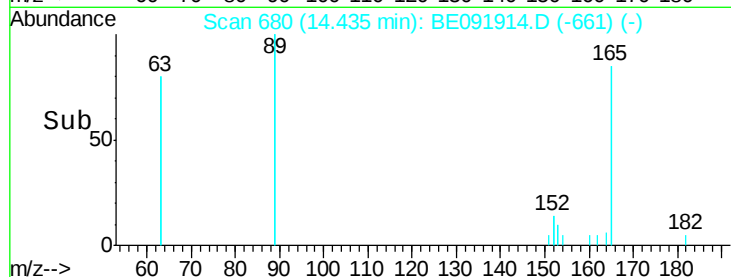
89 89.7 59.1 88.7#



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: 0.41 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

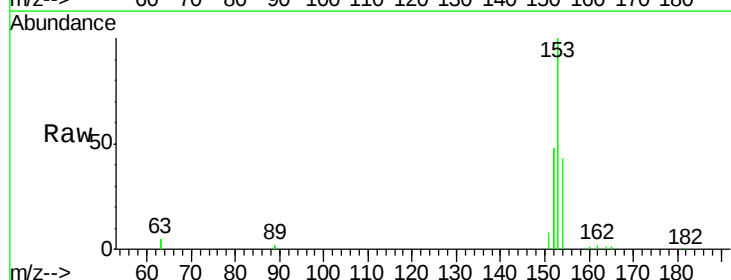
Tgt Ion:154 Resp: 10409

Ion Ratio Lower Upper

154 100

153 450.9 88.1 132.1#

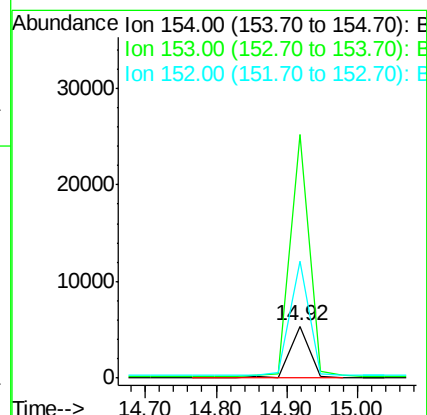
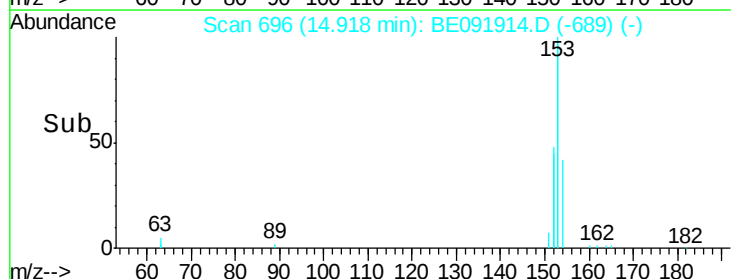
152 215.2 44.2 66.2#

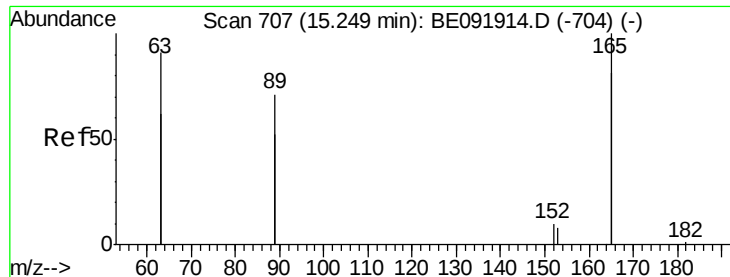


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

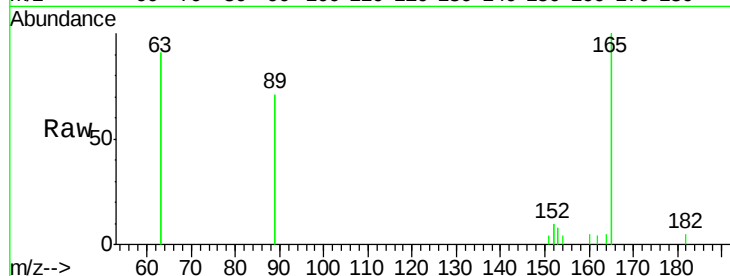




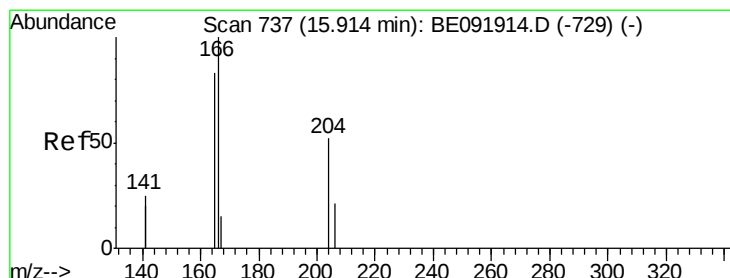
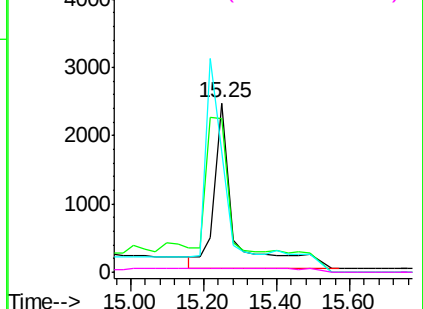
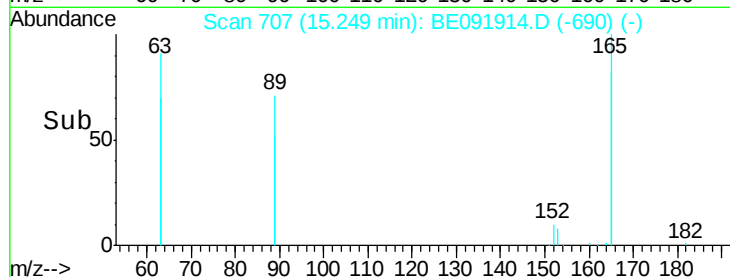
#21
2,4-Dinitrotoluene
Concen: 1.74 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091914.D
Acq: 14 Jun 2016 16:23

Instrument :
BNA_E
ClientSampled :

Tot Ion:165 Resp: 9198
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0

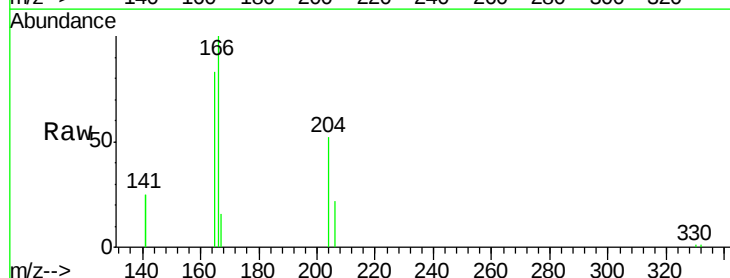


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

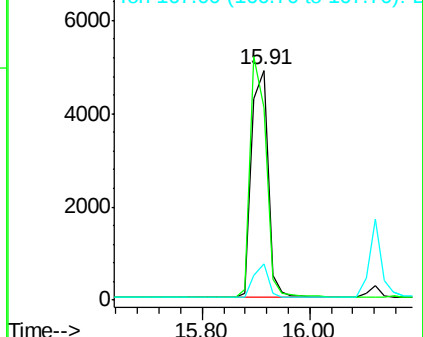
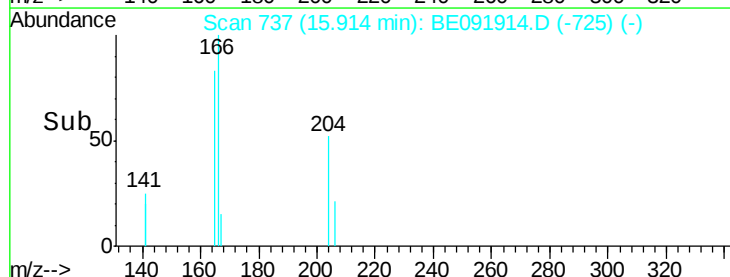


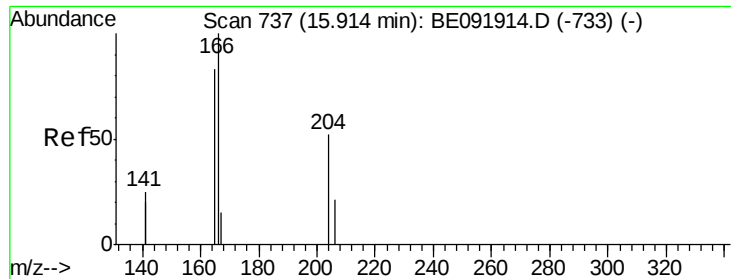
#22
Fluorene
Concen: 0.33 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091914.D
Acq: 14 Jun 2016 16:23

Tgt Ion:166 Resp: 10402
Ion Ratio Lower Upper
166 100
165 100.3 78.6 117.8
167 13.4 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

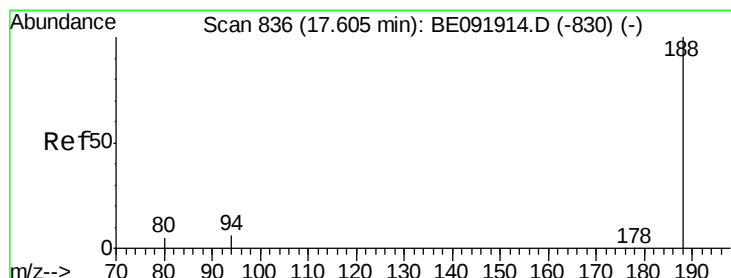
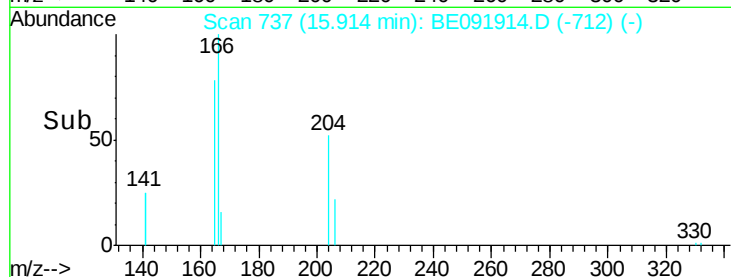
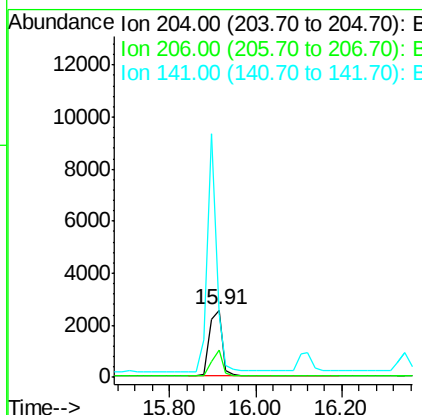
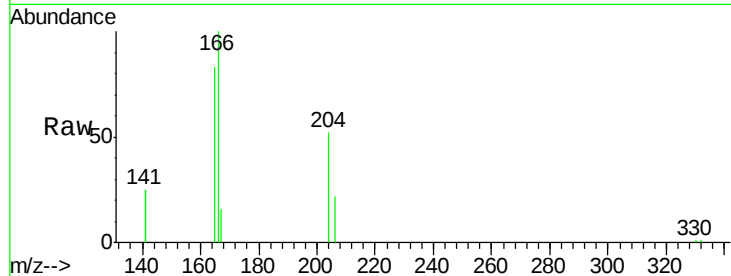




#23
4-Chlorophenyl-phenylether
Concen: 0.35 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091914.D
Acq: 14 Jun 2016 16:23

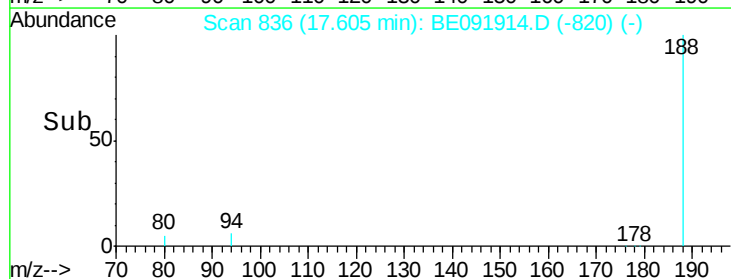
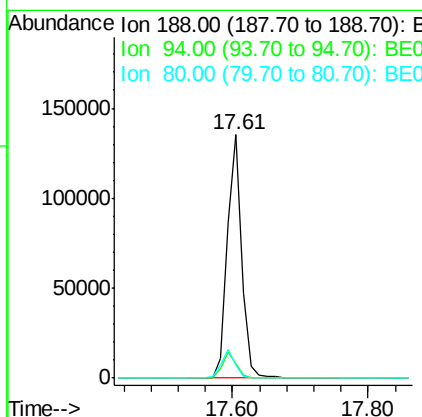
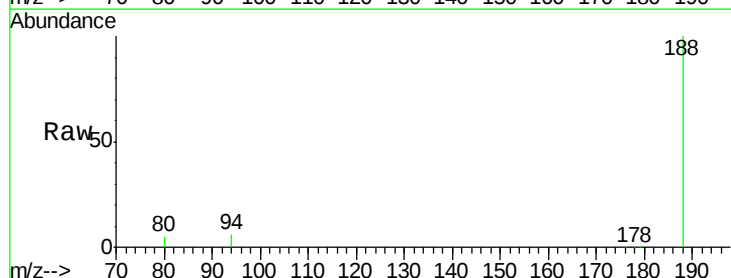
Instrument :
BNA_E
ClientSampleId :

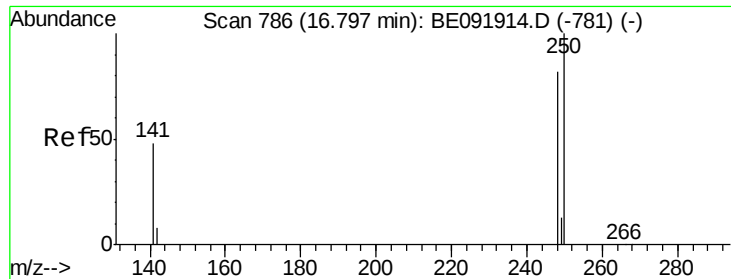
Tot Ion:204 Resp: 5365
Ion Ratio Lower Upper
204 100
206 34.0 27.8 41.6
141 254.8 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. 0.00 min
Lab File: BE091914.D
Acq: 14 Jun 2016 16:23

Tgt Ion:188 Resp: 202069
Ion Ratio Lower Upper
188 100
94 6.0 4.1 6.1
80 5.2 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.44 ng

RT: 16.80 min Scan# 786

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampled :

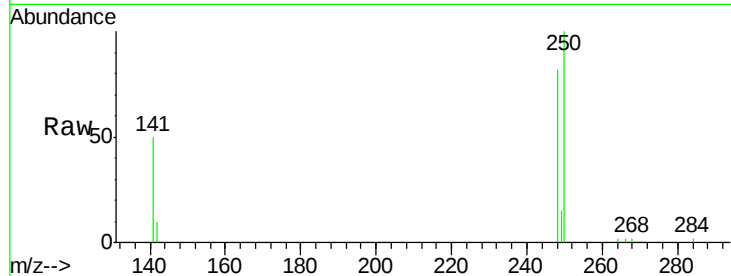
Tot Ion:248 Resp: 3176

Ion Ratio Lower Upper

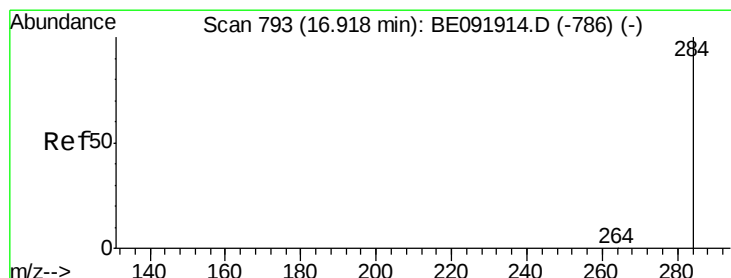
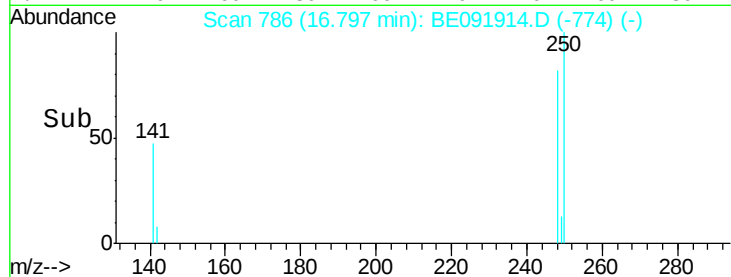
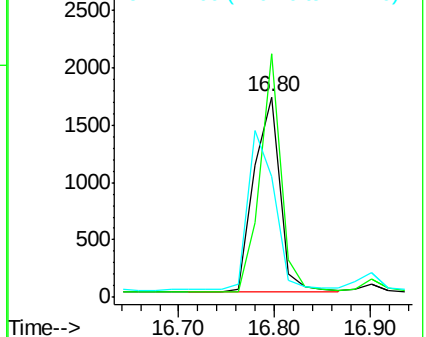
248 100

250 99.8 75.7 113.5

141 84.9 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: 0.45 ng

RT: 16.92 min Scan# 793

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

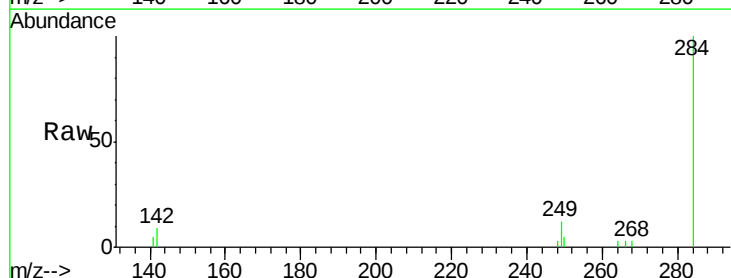
Tgt Ion:284 Resp: 3343

Ion Ratio Lower Upper

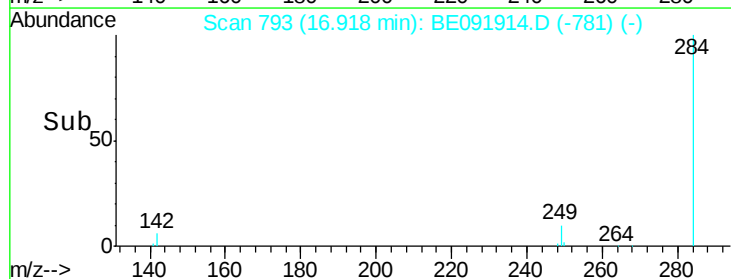
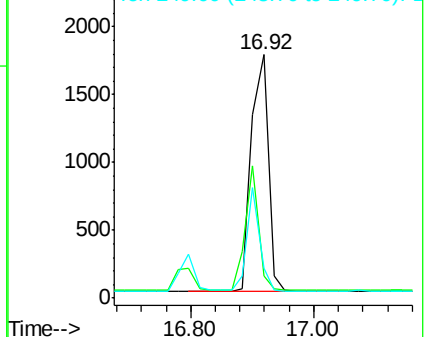
284 100

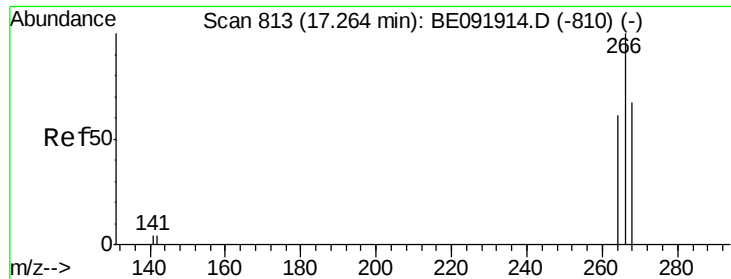
142 41.1 31.4 47.2

249 32.5 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: 0.24 ng

RT: 17.26 min Scan# 813

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

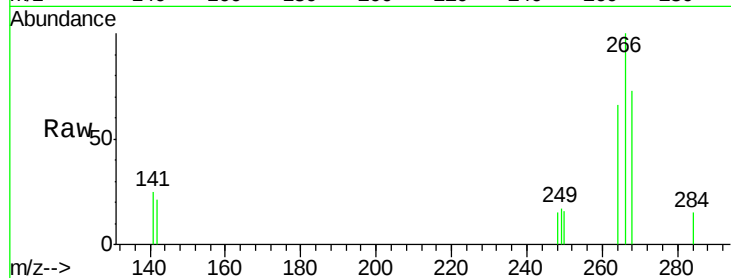
Tot Ion:266 Resp: 688

Ion Ratio Lower Upper

266 100

268 72.6 60.5 90.7

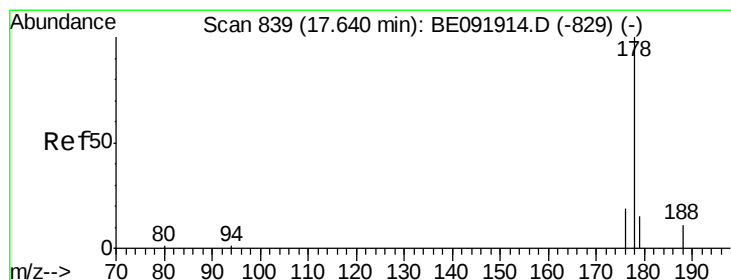
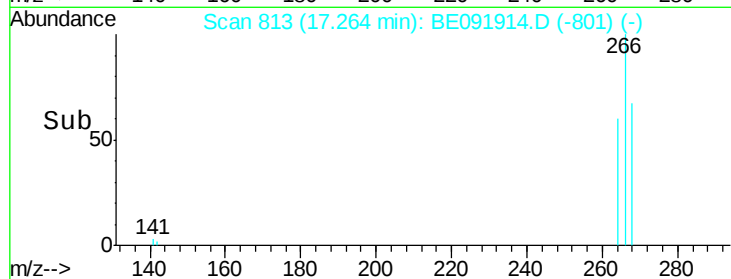
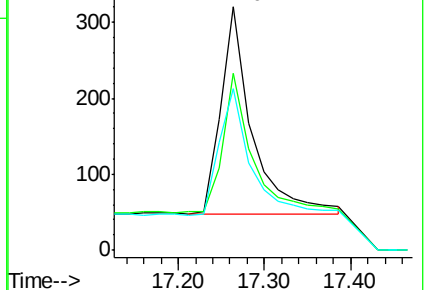
264 66.0 51.0 76.4



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



#28

Phenanthrene

Concen: 0.45 ng

RT: 17.64 min Scan# 839

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

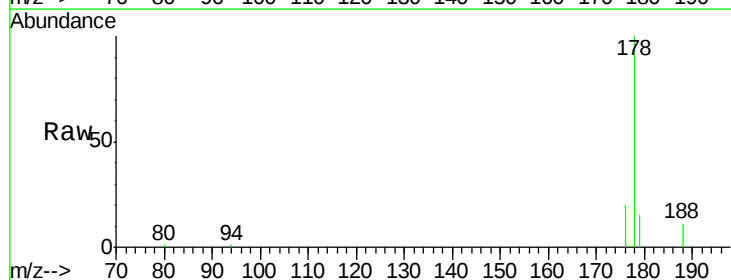
Tgt Ion:178 Resp: 21020

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

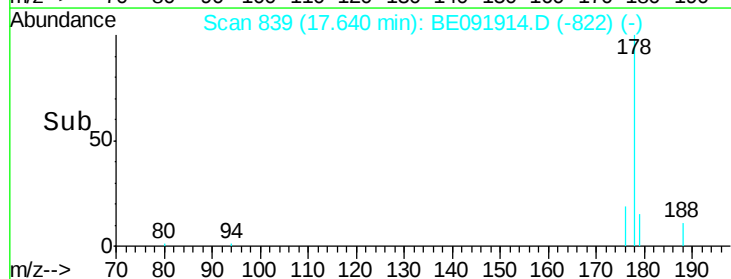
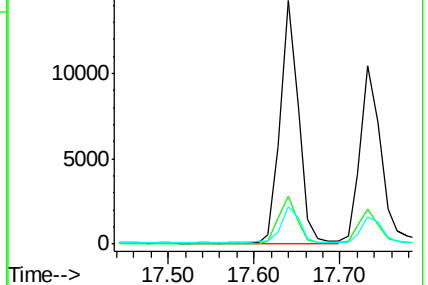
179 16.1 12.9 19.3

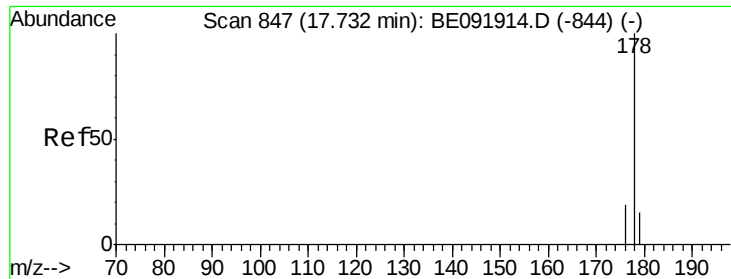


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.42 ng

RT: 17.73 min Scan# 847

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampled :

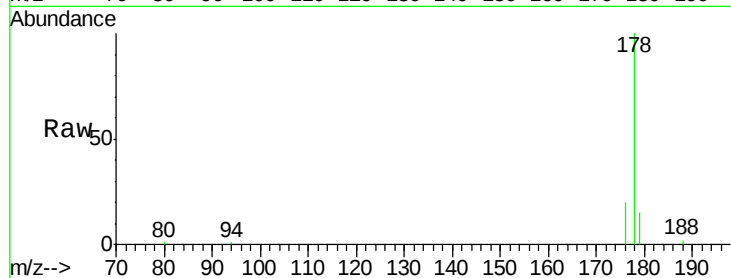
Tot Ion:178 Resp: 17622

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

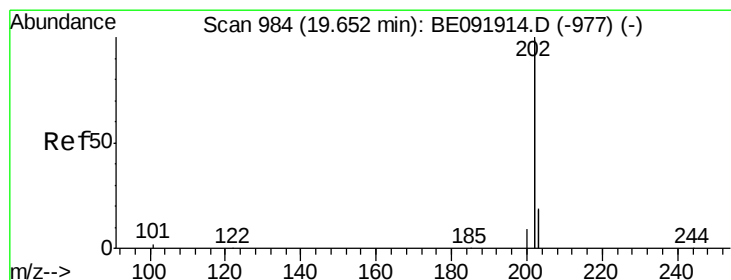
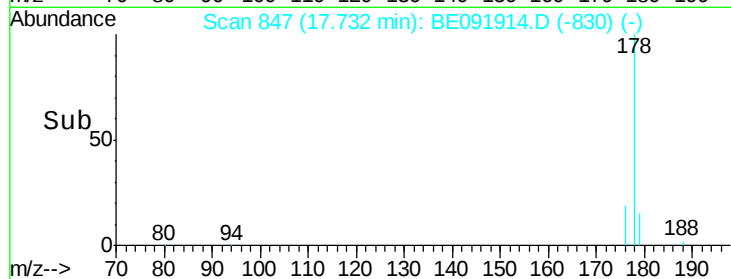
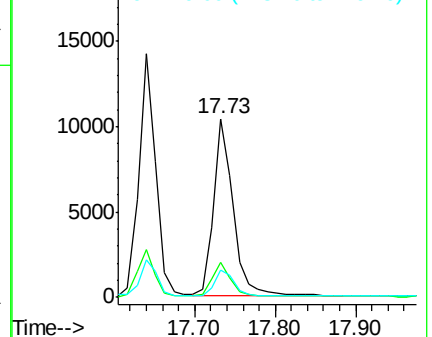
179 15.5 12.1 18.1



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: 1.74 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

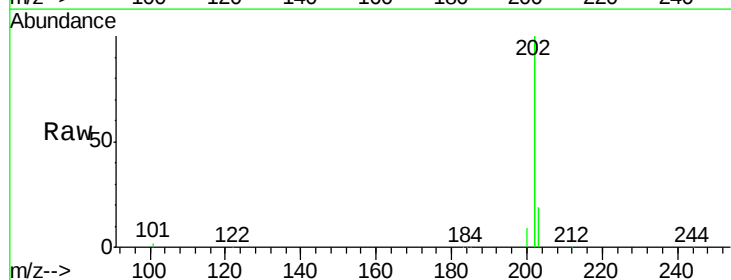
Tgt Ion:202 Resp: 87683

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

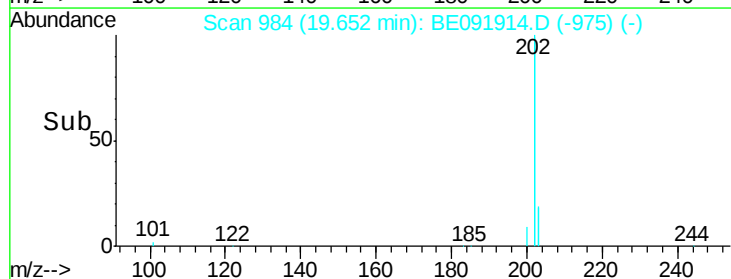
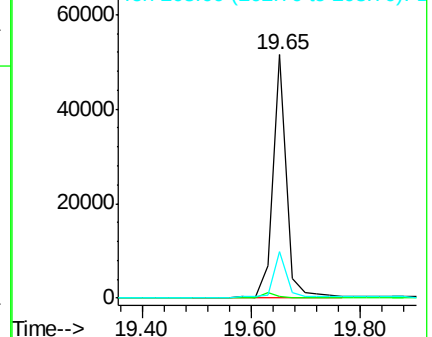
203 17.9 14.3 21.5



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

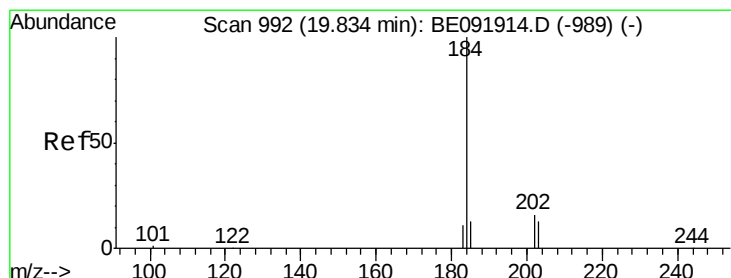
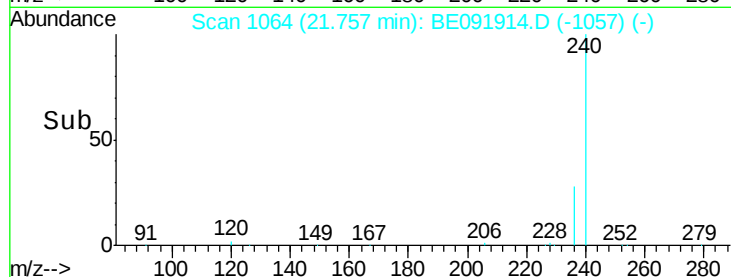
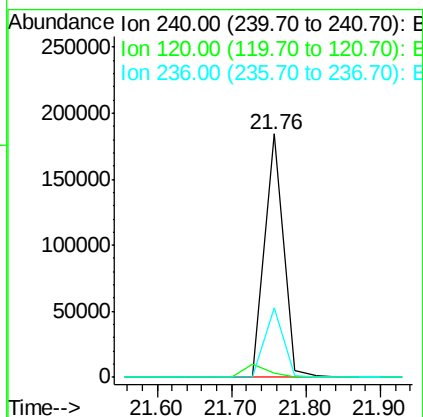
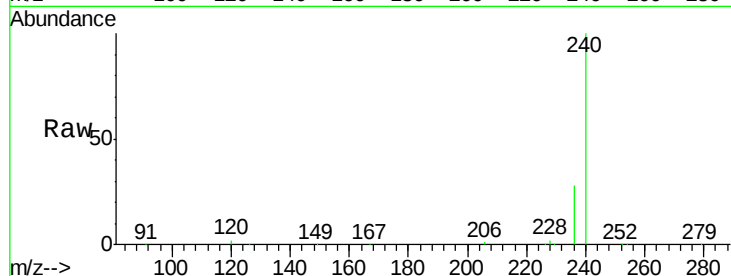




#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: BE091914.D
 Acq: 14 Jun 2016 16:23

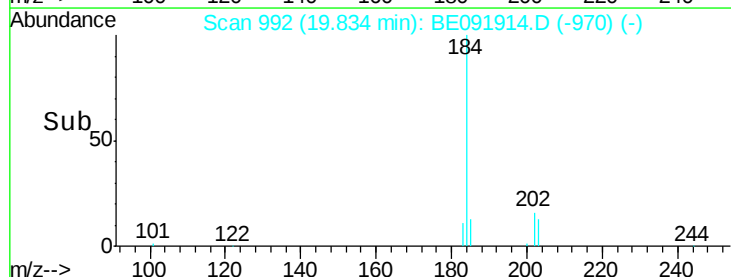
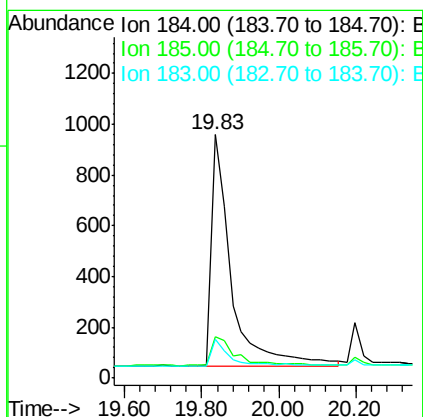
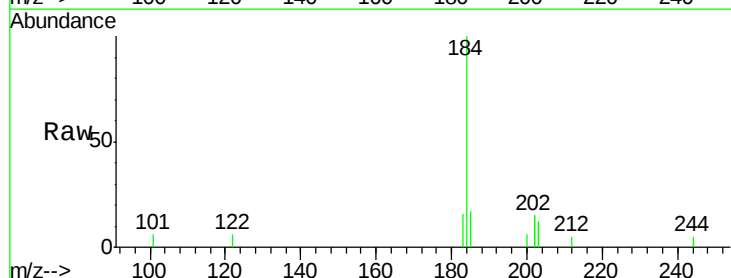
Instrument :
 BNA_E
 ClientSampled :

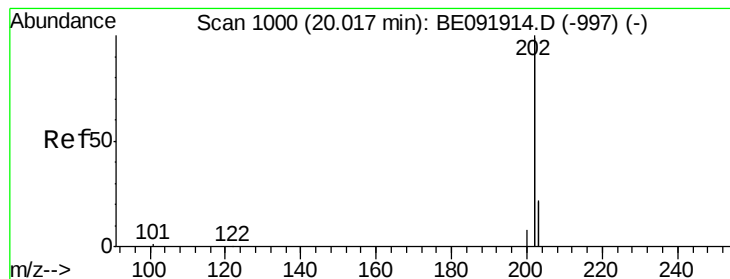
Tot Ion:240 Resp: 330201
 Ion Ratio Lower Upper
 240 100
 120 1.8 1.2 1.8
 236 28.3 19.8 29.8



#32
 Benzidine
 Concen: 0.15 ng
 RT: 19.83 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: BE091914.D
 Acq: 14 Jun 2016 16:23

Tgt Ion:184 Resp: 3202
 Ion Ratio Lower Upper
 184 100
 185 17.2 11.4 17.2#
 183 15.8 11.8 17.6





#33

Pvrene

Concen: 1.05 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

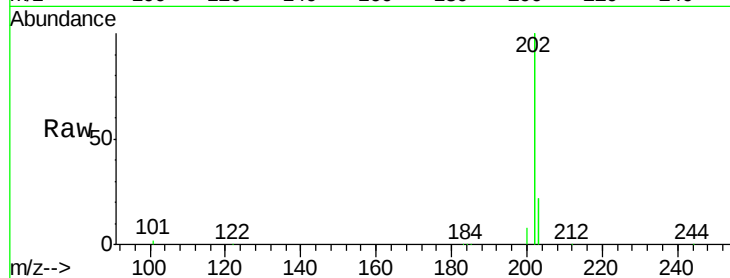
Tot Ion:202 Resp: 87861

Ion Ratio Lower Upper

202 100

200 5.1 16.9 25.3#

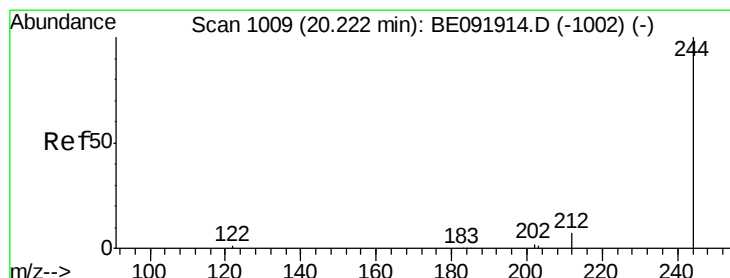
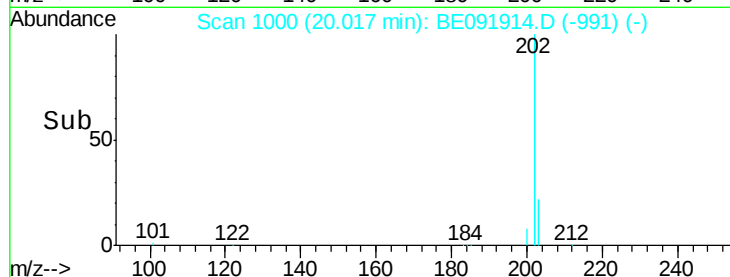
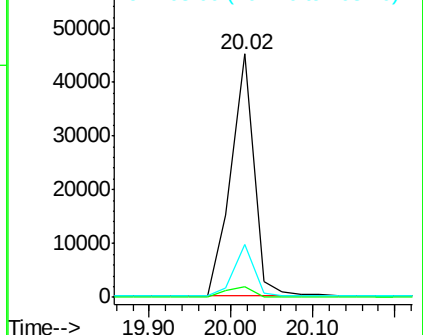
203 19.1 14.1 21.1



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



#34

Terphenyl-d14

Concen: 0.28 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

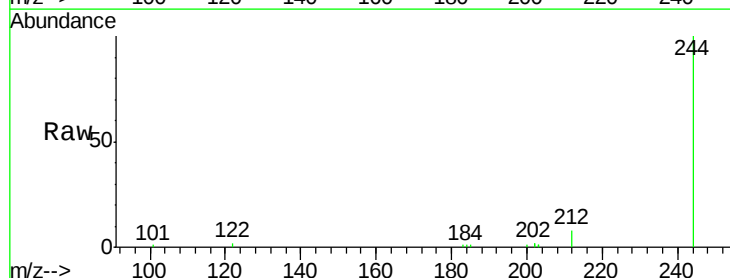
Tgt Ion:244 Resp: 16715

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

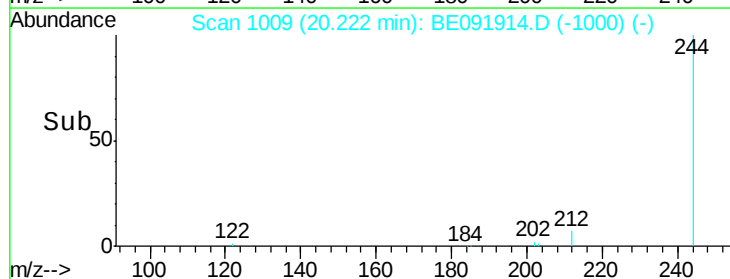
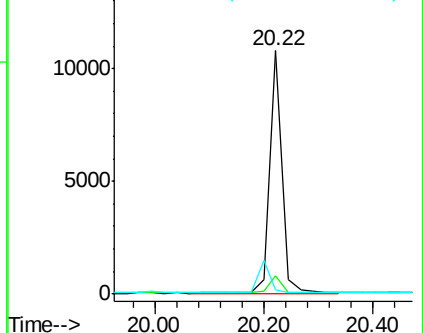
122 1.6 2.9 4.3#

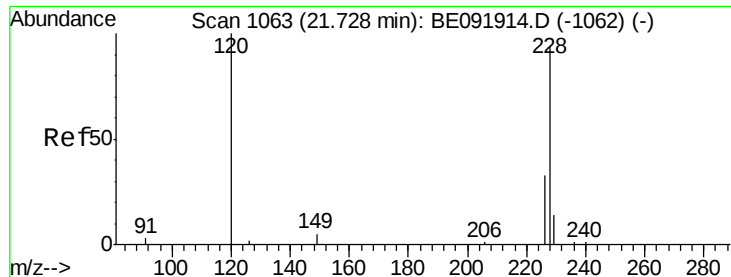


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

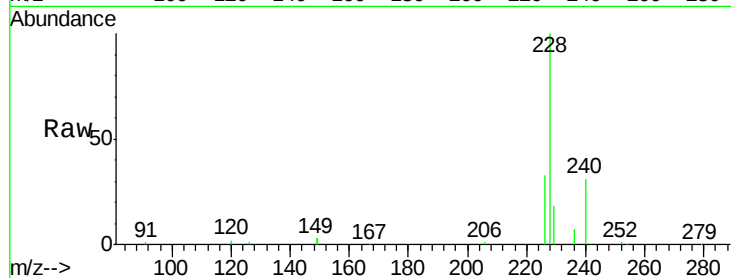
Tot Ion:228 Resp: 52793

Ion Ratio Lower Upper

228 100

226 32.7 21.0 31.4#

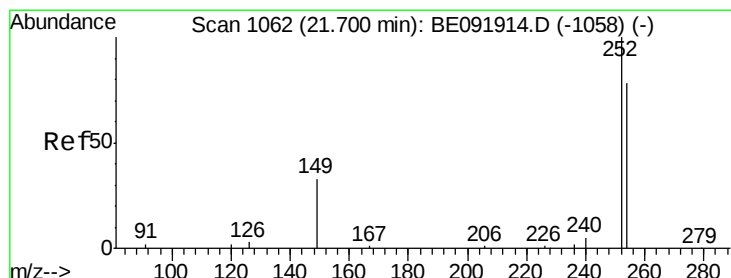
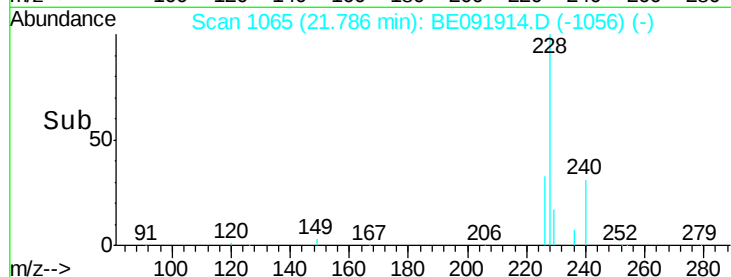
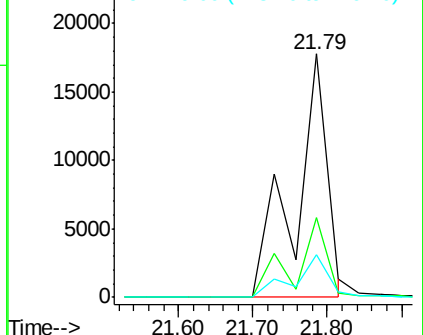
229 17.5 15.8 23.8



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: 0.12 ng

RT: 21.70 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

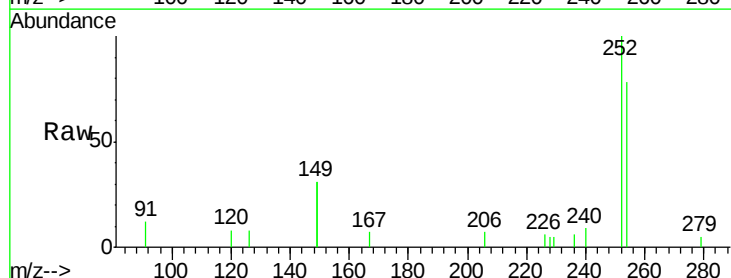
Tgt Ion:252 Resp: 2801

Ion Ratio Lower Upper

252 100

254 78.5 61.5 92.3

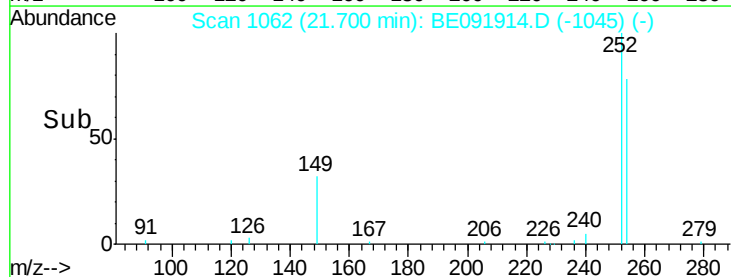
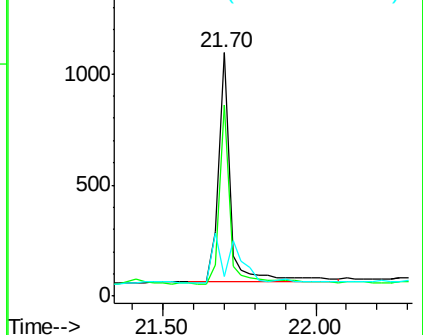
126 7.9 2.5 3.7#

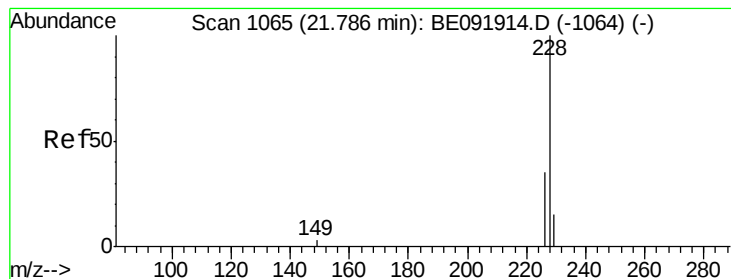


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.16 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

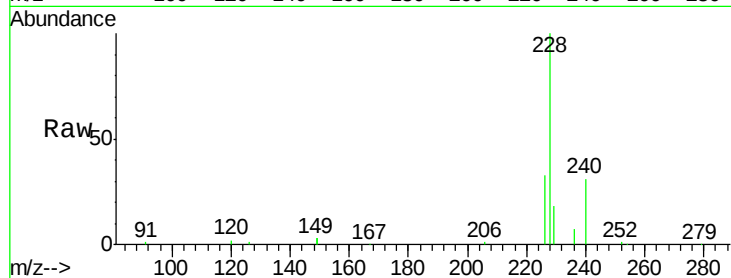
Tot Ion:228 Resp: 53491

Ion Ratio Lower Upper

228 100

226 32.7 27.0 40.6

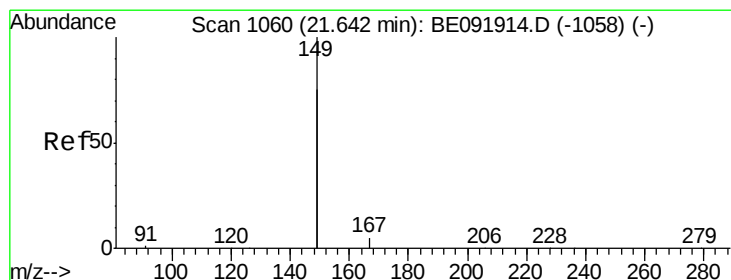
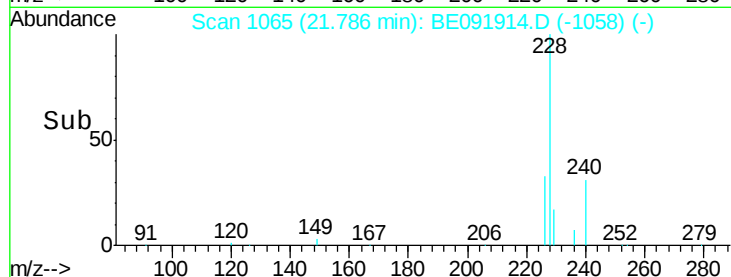
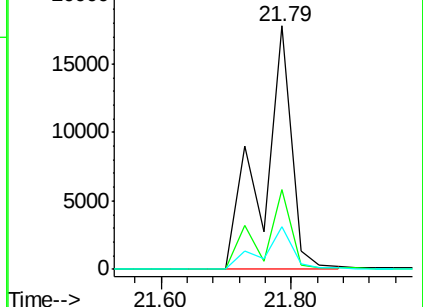
229 17.5 13.8 20.8



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: 0.28 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

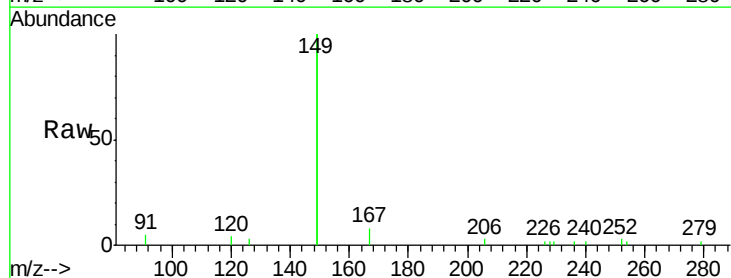
Tgt Ion:149 Resp: 13306

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

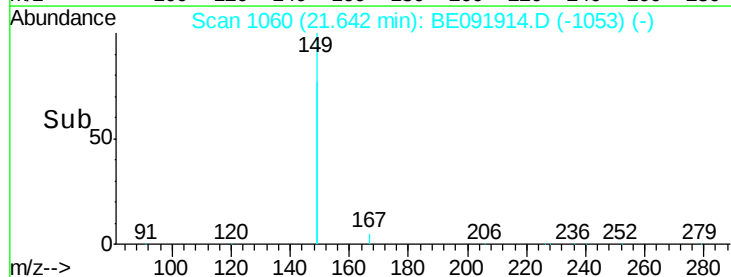
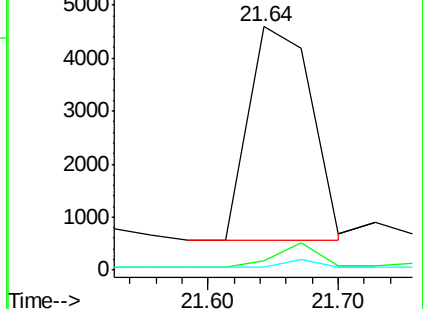
279 0.0 0.0 0.0

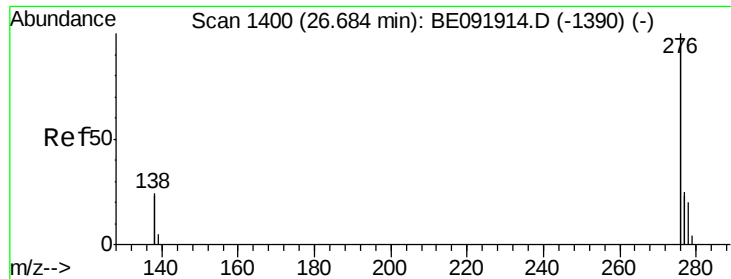


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

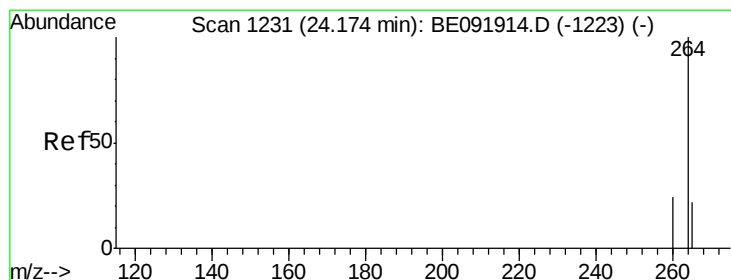
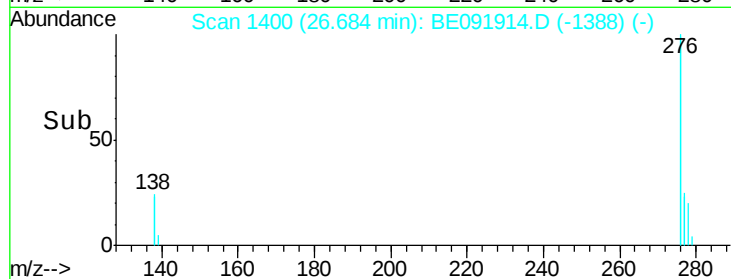
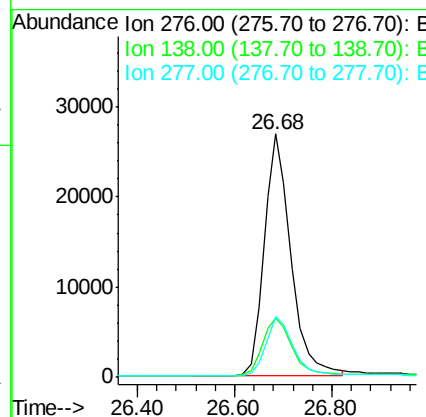
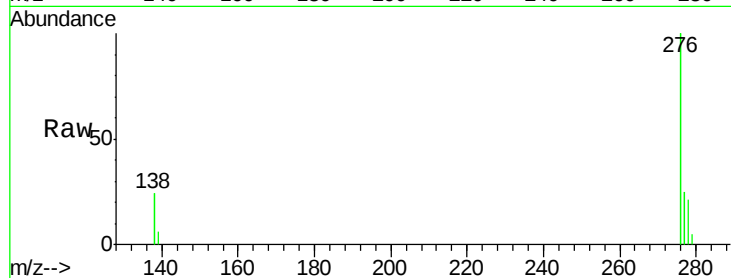




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 1.02 ng
 RT: 26.68 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: BE091914.D
 Acq: 14 Jun 2016 16:23

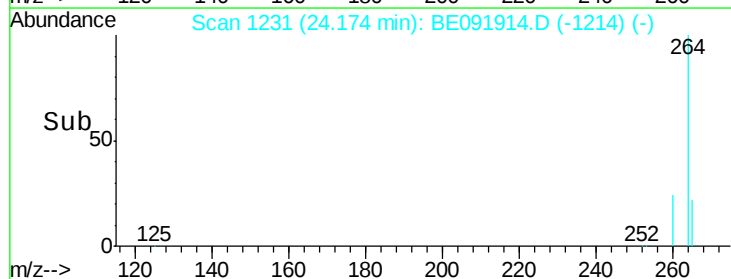
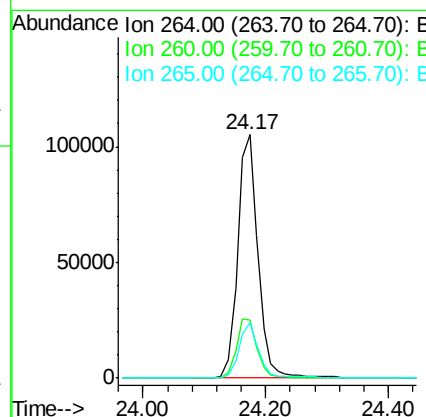
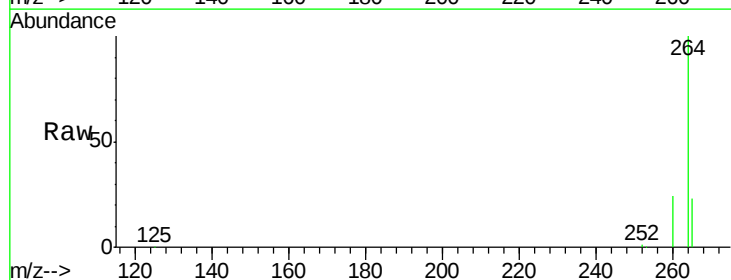
Instrument :
 BNA_E
 ClientSampleId :

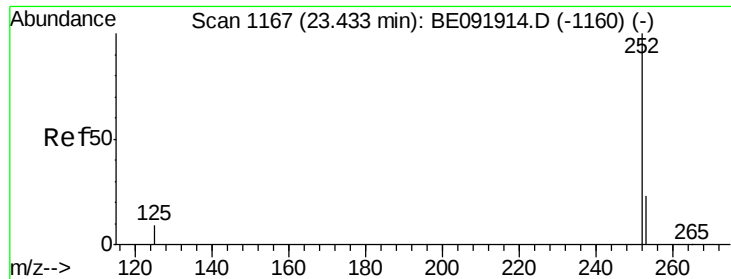
Tot Ion:276 Resp: 102345
 Ion Ratio Lower Upper
 276 100
 138 26.0 19.7 29.5
 277 24.6 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BE091914.D
 Acq: 14 Jun 2016 16:23

Tgt Ion:264 Resp: 240443
 Ion Ratio Lower Upper
 264 100
 260 24.1 20.3 30.5
 265 22.6 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.44 ng

RT: 23.43 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

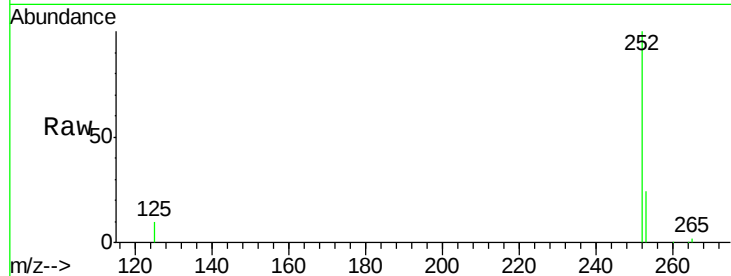
Tot Ion:252 Resp: 25653

Ion Ratio Lower Upper

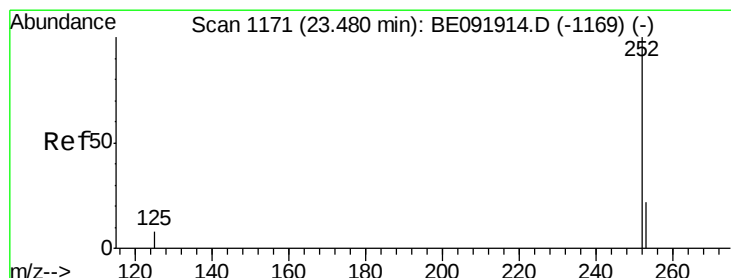
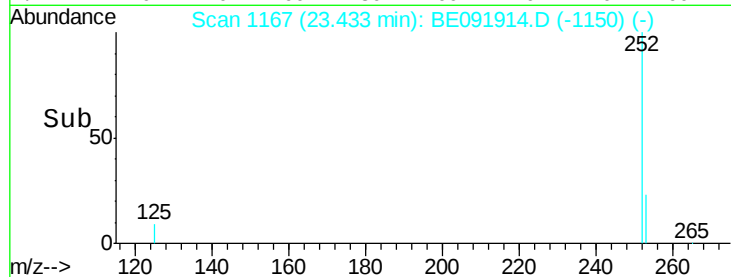
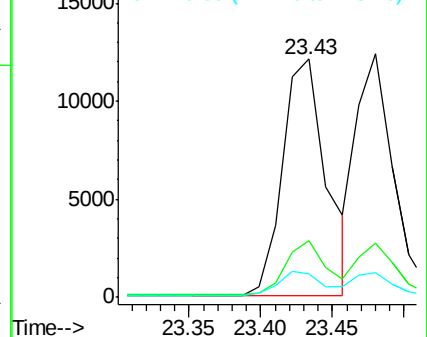
252 100

253 24.0 17.8 26.6

125 9.8 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: 0.37 ng

RT: 23.48 min Scan# 1171

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

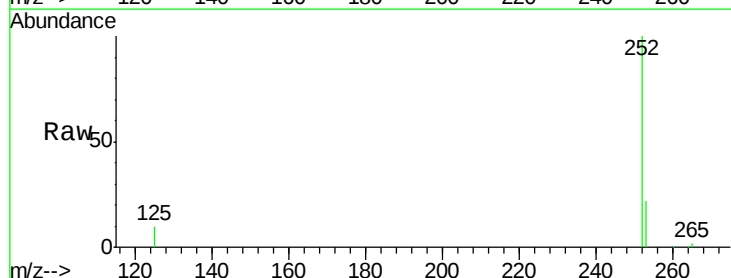
Tgt Ion:252 Resp: 22678

Ion Ratio Lower Upper

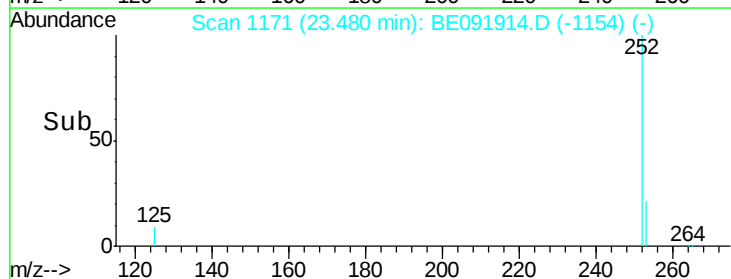
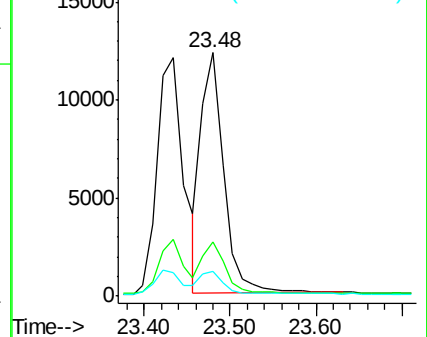
252 100

253 22.3 19.4 29.2

125 10.0 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: 0.39 ng

RT: 24.06 min Scan# 1221

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

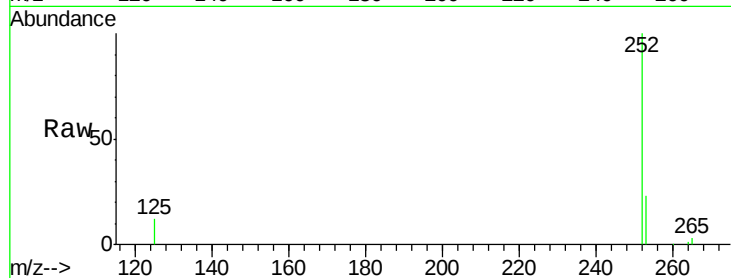
Tot Ion:252 Resp: 21462

Ion Ratio Lower Upper

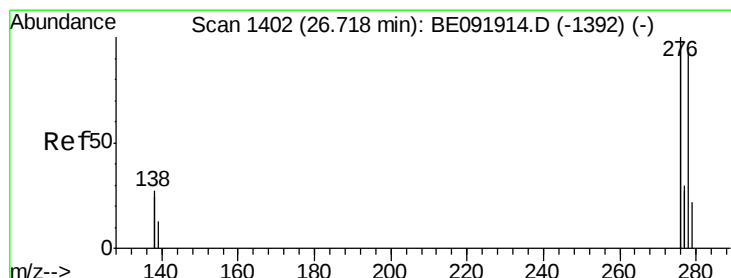
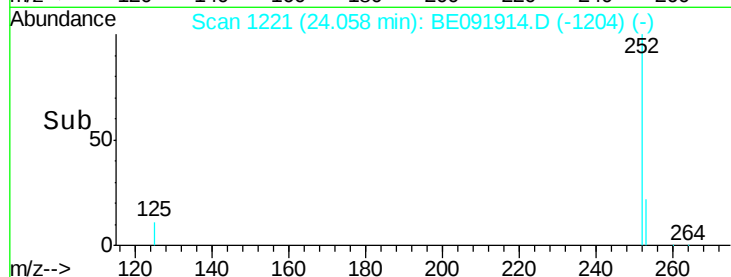
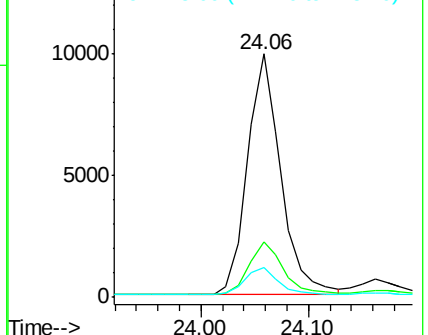
252 100

253 22.9 18.9 28.3

125 12.0 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: 0.41 ng

RT: 26.72 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

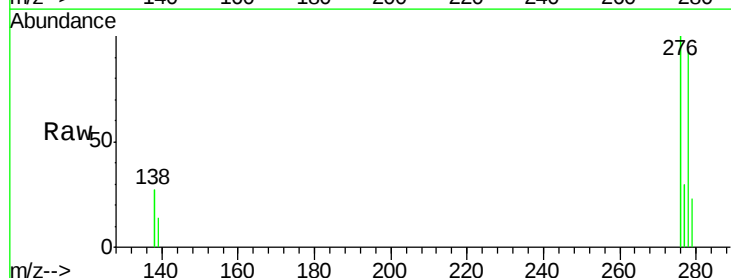
Tgt Ion:278 Resp: 21131

Ion Ratio Lower Upper

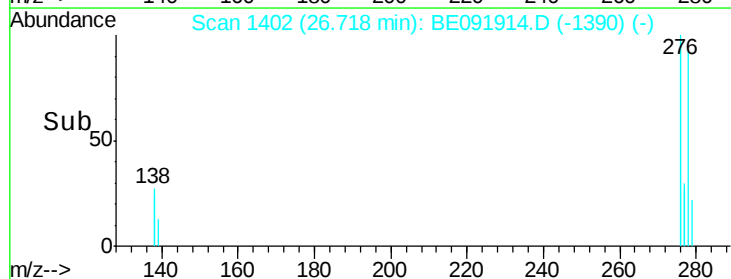
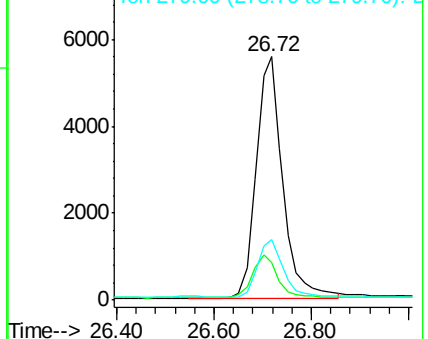
278 100

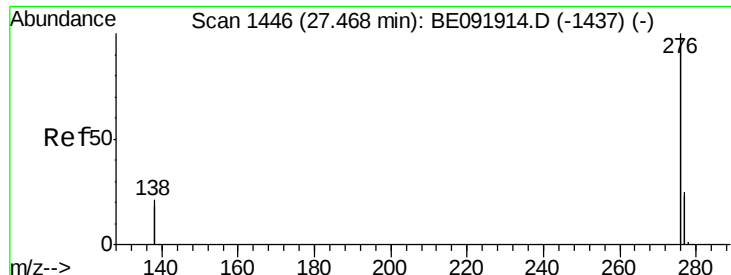
139 15.2 12.6 18.8

279 24.9 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: 1.63 ng

RT: 27.47 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BE091914.D

Acq: 14 Jun 2016 16:23

Instrument :

BNA_E

ClientSampleId :

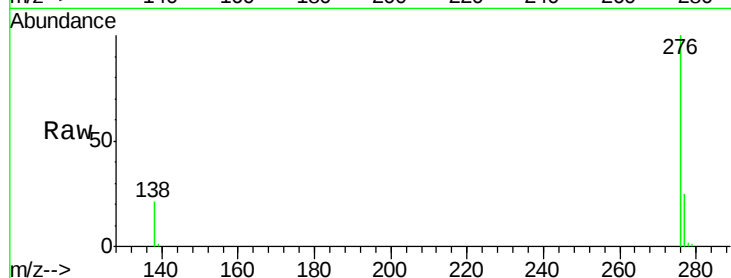
Tot Ion: 276 Resp: 87603

Ion Ratio Lower Upper

276 100

277 24.9 19.5 29.3

138 20.6 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

