

Data Path : Z:\HPCHEM1\BNA E\DATA\BE070516\
 Data File : BE091959.D
 Acq On : 5 Jul 2016 9:30
 Operator : UM/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 05 12:35:02 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	23074	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	106965	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	78500	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	158593	5.00	ng	0.00
31) Chrysene-d12	21.76	240	268171	5.00	ng	0.00
40) Perylene-d12	24.18	264	206876	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.72	112	1002	0.22	ng	0.00
5) Phenol-d6	7.37	99	1336	0.23	ng	0.00
9) Nitrobenzene-d5	9.38	82	1314	0.18	ng	0.00
16) 2,4,6-Tribromophenol	16.36	330	332	0.21	ng	0.02
17) 2-Fluorobiphenyl	13.49	172	3936	0.20	ng	0.00
34) Terphenyl-d14	20.22	244	6122	0.19	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.47	88	703	0.22	ng	98
3) n-Nitrosodimethylamine	3.84	42	581	0.16	ng	# 91
6) bis(2-Chloroethyl)ether	7.63	93	1174	0.18	ng	98
7) n-Nitroso-di-n-propylamine	9.02	70	1199	0.23	ng	# 91
10) Nitrobenzene	9.42	77	1374	0.19	ng	# 99
11) bis(2-Chloroethoxy)methane	10.45	93	1621	0.17	ng	# 12
12) Naphthalene	11.04	128	5212	0.22	ng	# 96
13) Hexachlorobutadiene	11.34	225	832	0.22	ng	99
14) 2-Methylnaphthalene	12.69	142	3200	0.20	ng	98
18) Acenaphthylene	14.56	152	17913	0.22	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	1910	0.15	ng	# 47
20) Acenaphthene	14.92	154	4508	0.21	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	5766	0.48	ng	# 79
22) Fluorene	15.91	166	4446	0.20	ng	99
23) 4-Chlorophenyl-phenylether	15.91	204	2276	0.21	ng	95
25) 4-Bromophenyl-phenylether	16.80	248	1379	0.22	ng	99
26) Hexachlorobenzene	16.92	284	1411	0.22	ng	99
27) Pentachlorophenol	17.28	266	287	0.17	ng	92
28) Phenanthrene	17.64	178	8452	0.21	ng	99
29) Anthracene	17.73	178	7420	0.21	ng	100
30) Fluoranthene	19.65	202	36761	0.22	ng	# 88
32) Benzidine	19.86	184	3163	0.35	ng	# 93
33) Pyrene	20.02	202	37385	0.20	ng	# 81
35) Benzo(a)anthracene	21.79	228	21273	0.50	ng	# 89
36) 3,3'-Dichlorobenzidine	21.70	252	3029	0.44	ng	# 94
37) Chrysene	21.79	228	21603	0.35	ng	99
38) Bis(2-ethylhexyl)phthalate	21.67	149	9348	0.30	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.70	276	49945	0.24	ng	98
41) Benzo(b)fluoranthene	23.44	252	11201	0.21	ng	97
42) Benzo(k)fluoranthene	23.48	252	11133	0.23	ng	98
43) Benzo(a)pyrene	24.06	252	10731	0.23	ng	# 94
44) Dibenzo(a,h)anthracene	26.72	278	10095	0.22	ng	# 95
45) Benzo(a,h,i)perylene	27.48	276	42161	0.23	ng	97

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QLast Update : Tue Jul 05 12:29:44 2016
Response via : Initial Calibration

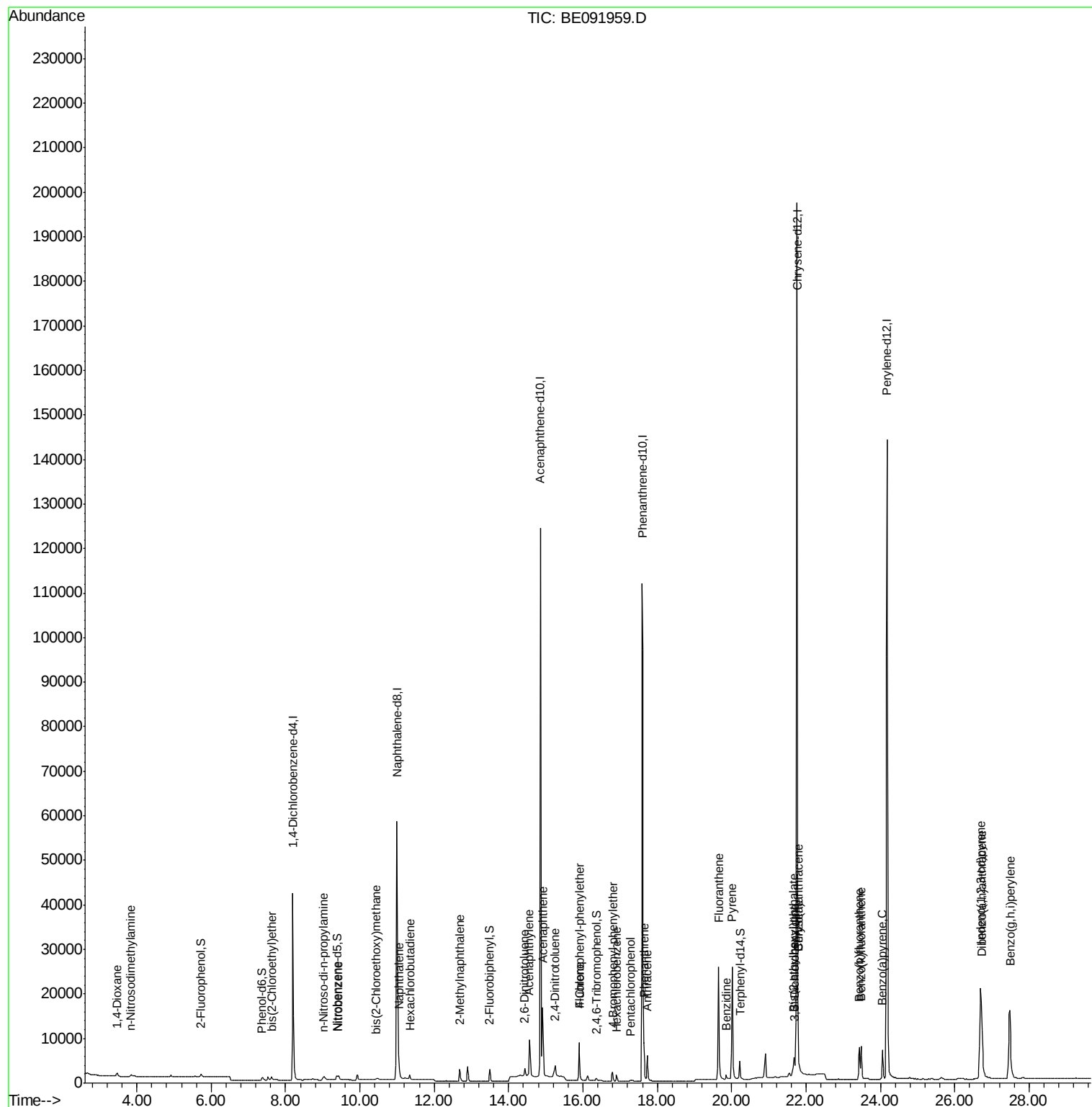
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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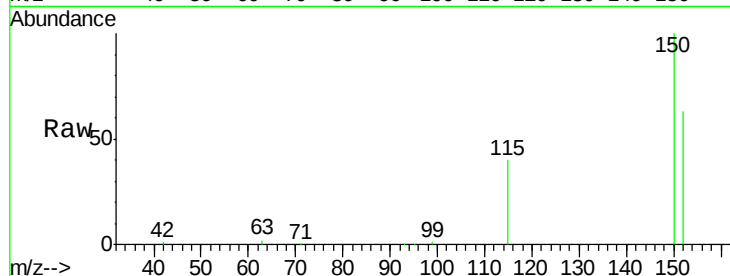


#1

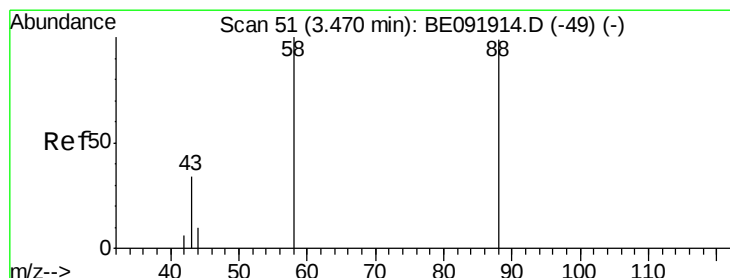
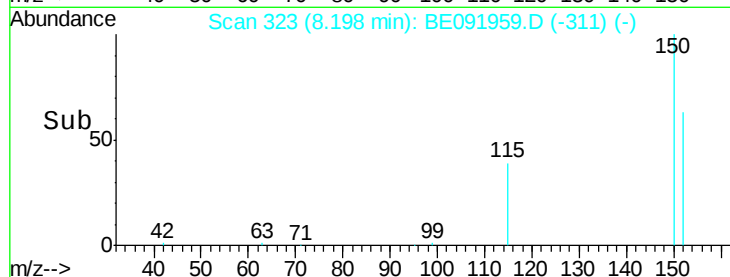
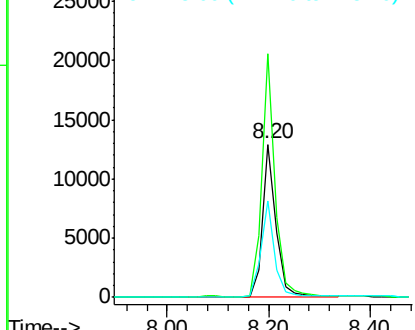
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. 0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 23074
Ion Ratio Lower Upper
152 100
150 159.4 123.9 185.9
115 63.2 48.3 72.5



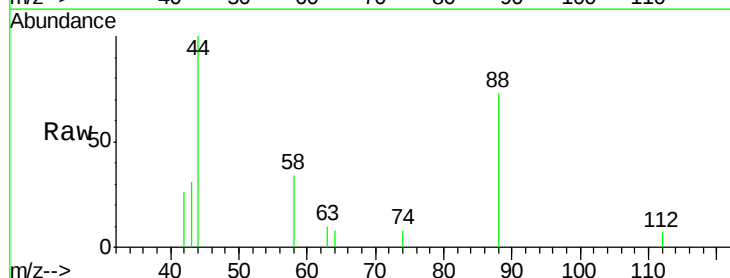
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



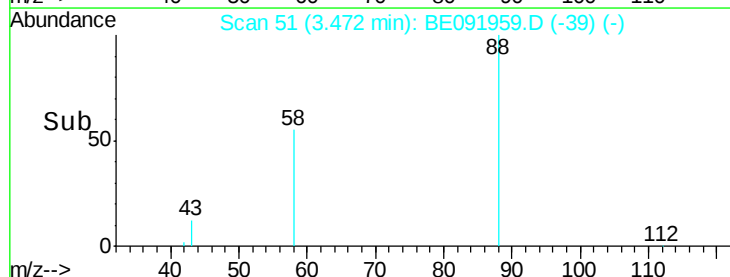
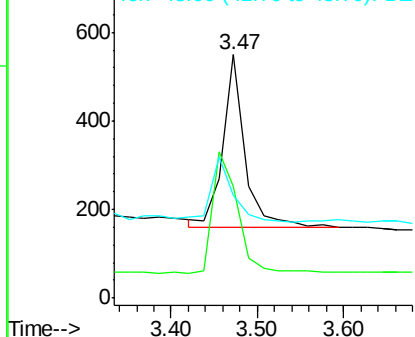
#2

1,4-Dioxane
Concen: 0.22 ng
RT: 3.47 min Scan# 51
Delta R.T. 0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Tgt Ion: 88 Resp: 703
Ion Ratio Lower Upper
88 100
58 79.9 63.0 94.4
43 37.7 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: 0.16 ng

RT: 3.84 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampled :

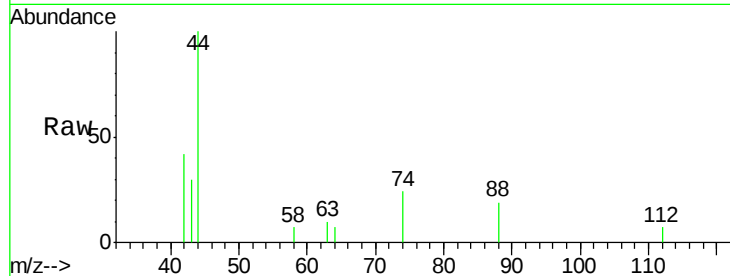
Tot Ion: 42 Resp: 581

Ion Ratio Lower Upper

42 100

74 107.4 93.4 140.0

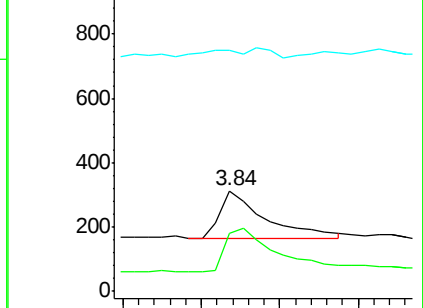
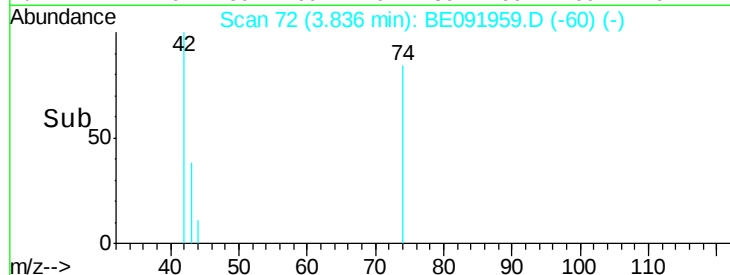
44 0.0 5.0 7.6#



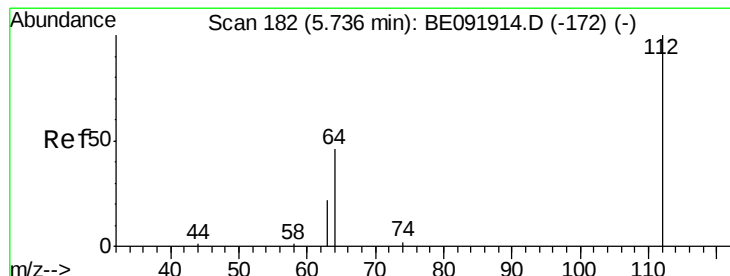
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.22 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

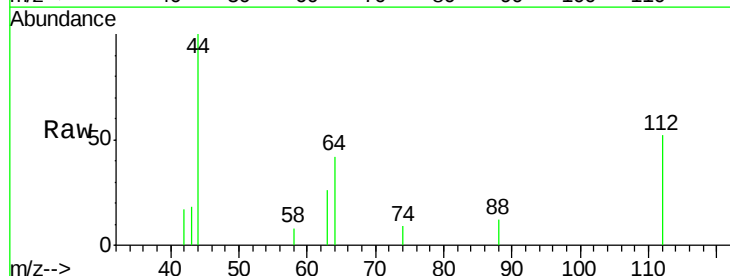
Tgt Ion: 112 Resp: 1002

Ion Ratio Lower Upper

112 100

64 70.3 53.7 80.5

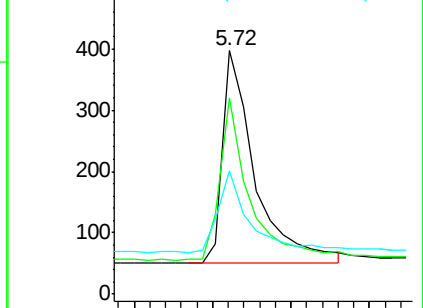
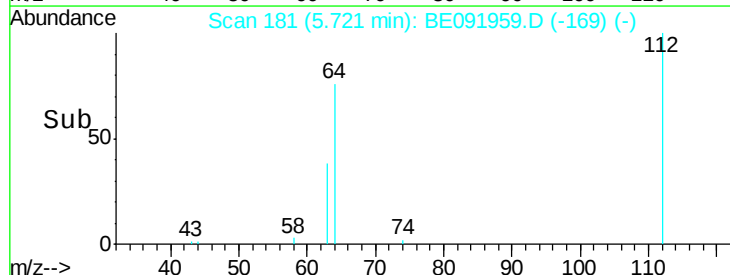
63 37.8 29.5 44.3



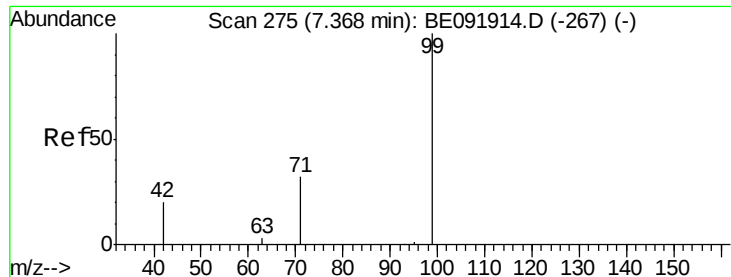
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->



#5

Phenol-d6

Concen: 0.23 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

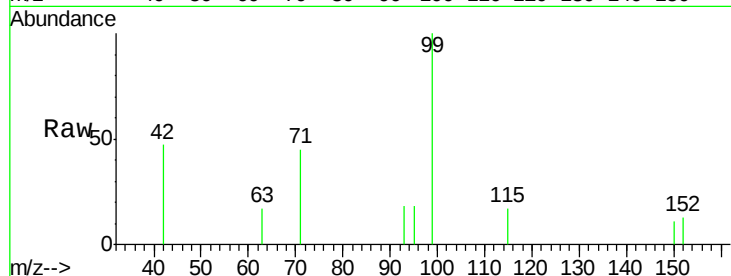
Tot Ion: 99 Resp: 1336

Ion Ratio Lower Upper

99 100

42 28.7 19.6 29.4

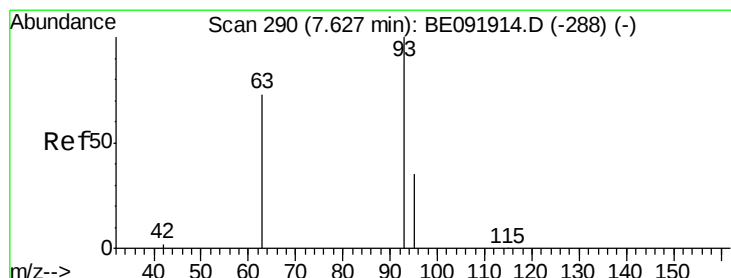
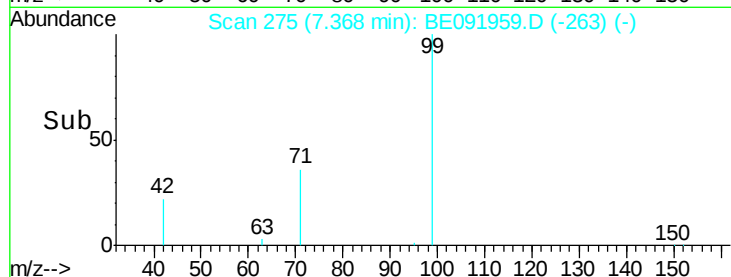
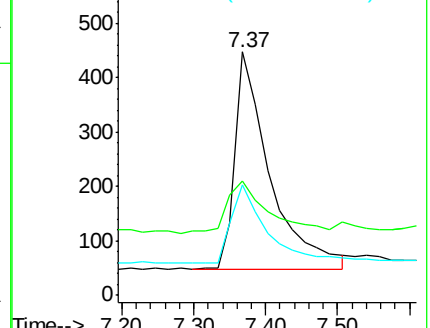
71 36.9 28.1 42.1



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: 0.18 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

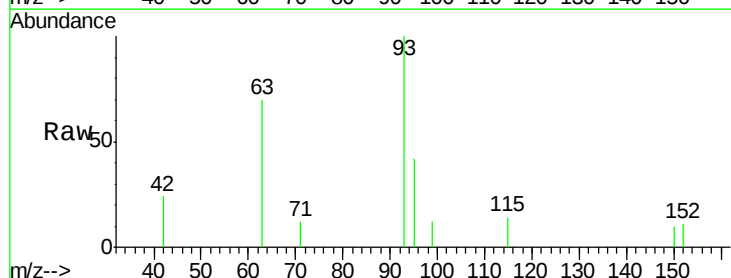
Tgt Ion: 93 Resp: 1174

Ion Ratio Lower Upper

93 100

63 83.2 66.2 99.4

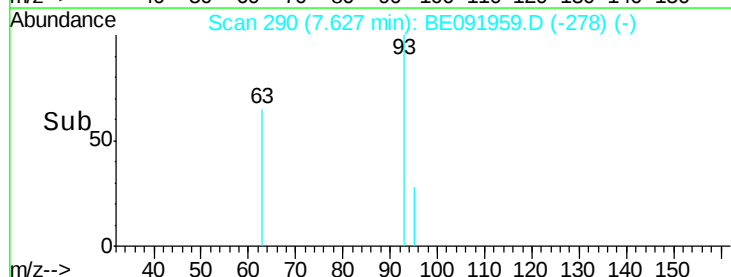
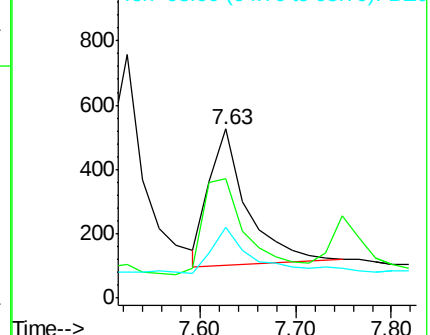
95 35.3 25.5 38.3

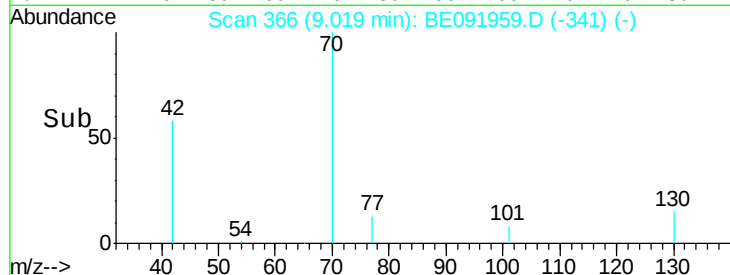
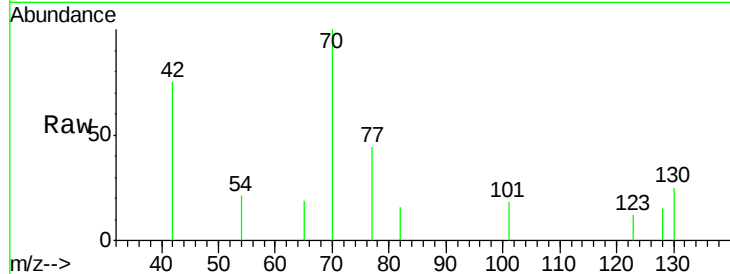
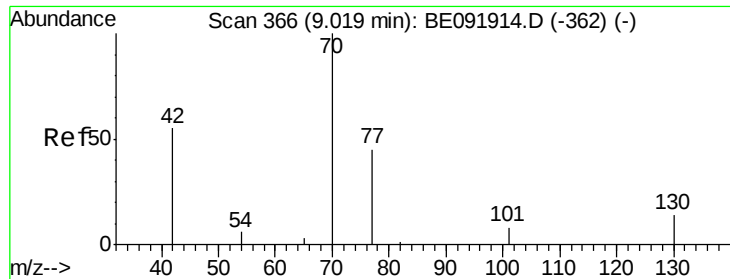


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 0.23 ng

RT: 9.02 min Scan# 366

Delta R.T. -0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 1199

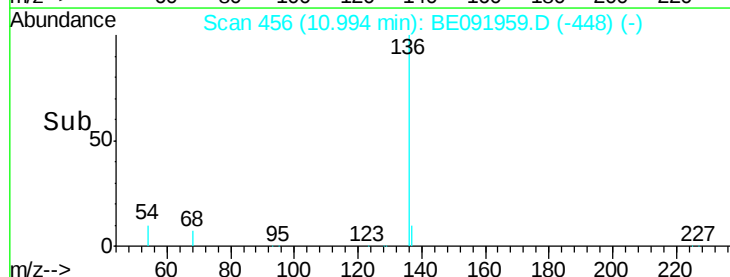
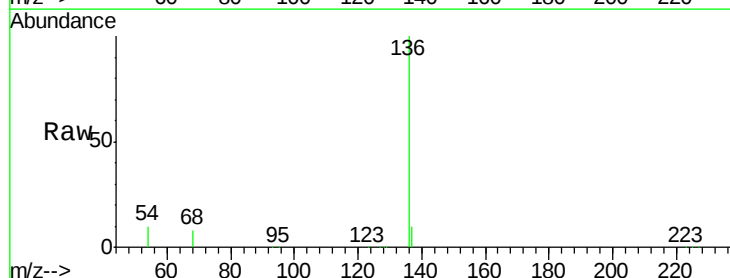
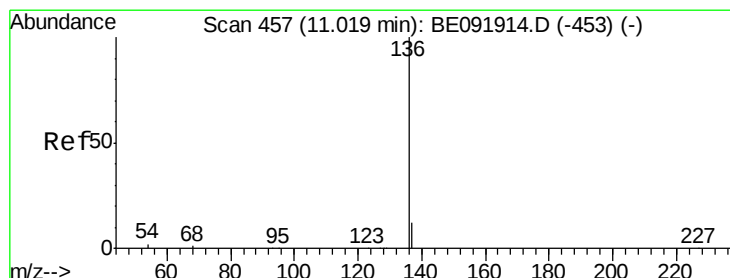
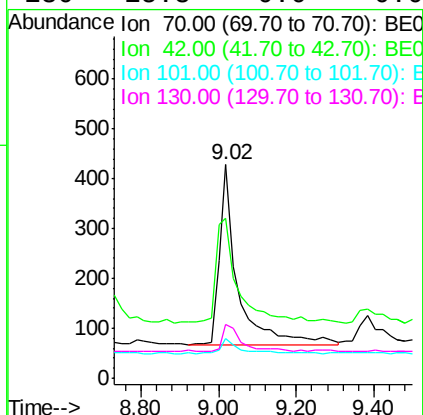
Ion Ratio Lower Upper

70 100

42 65.1 58.4 87.6

101 8.4 6.4 9.6

130 15.8 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: BE091959.D

Acq: 5 Jul 2016 9:30

Tgt Ion: 136 Resp: 106965

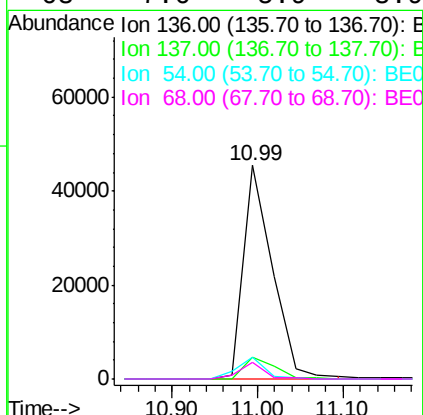
Ion Ratio Lower Upper

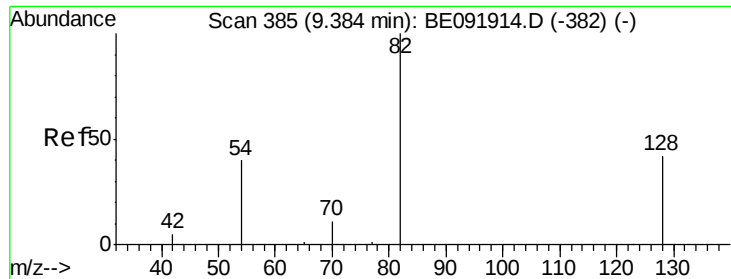
136 100

137 10.1 8.3 12.5

54 10.3 8.2 12.4

68 7.6 5.9 8.9





#9

Nitrobenzene-d5

Concen: 0.18 ng

RT: 9.38 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

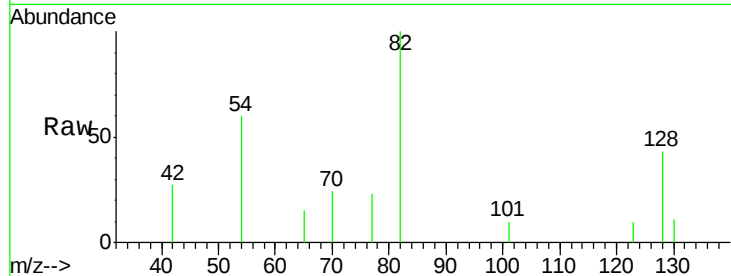
Tot Ion: 82 Resp: 1314

Ion Ratio Lower Upper

82 100

128 43.1 39.5 59.3

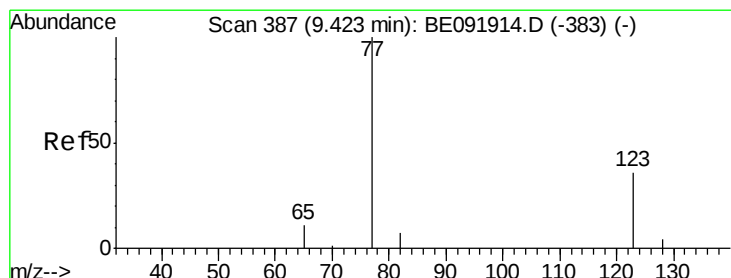
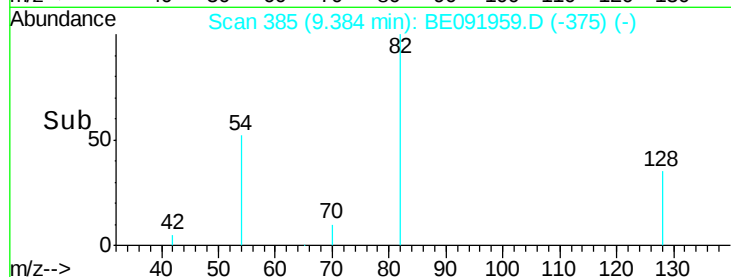
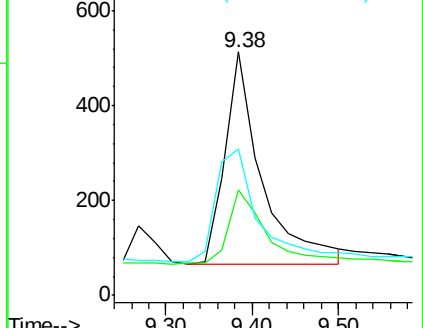
54 60.0 30.3 45.5#



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: 0.19 ng

RT: 9.42 min Scan# 387

Delta R.T. -0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

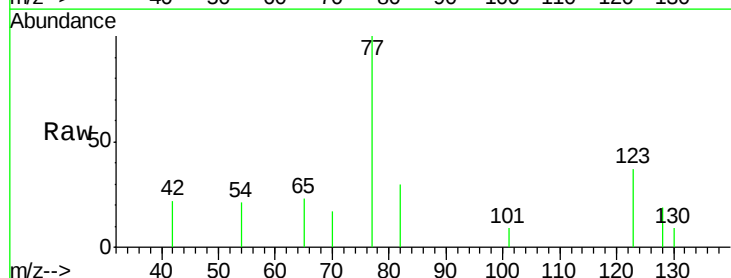
Tgt Ion: 77 Resp: 1374

Ion Ratio Lower Upper

77 100

123 38.1 0.0 0.0#

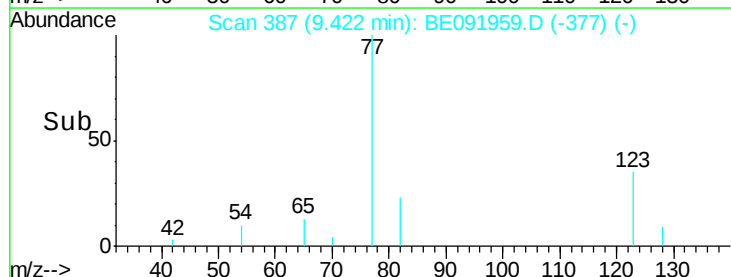
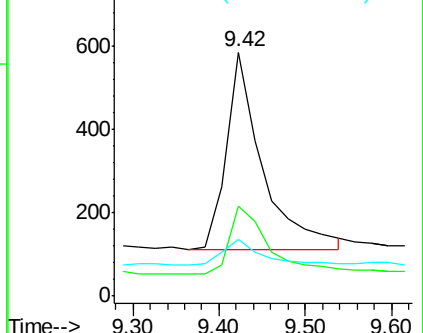
65 13.7 11.1 16.7

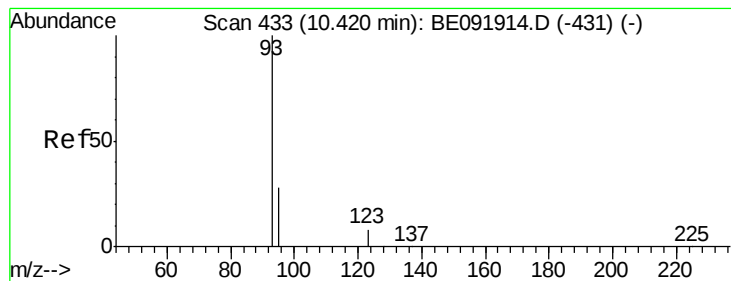


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

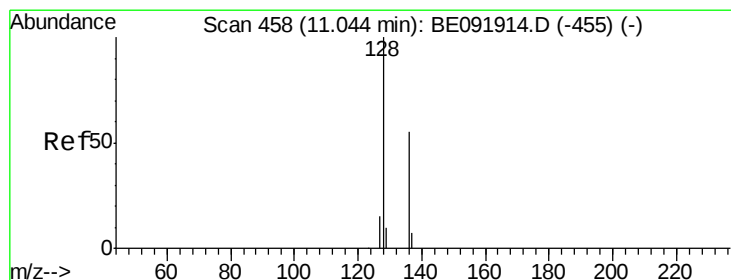
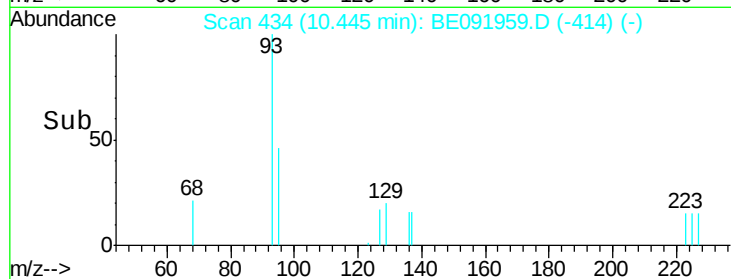
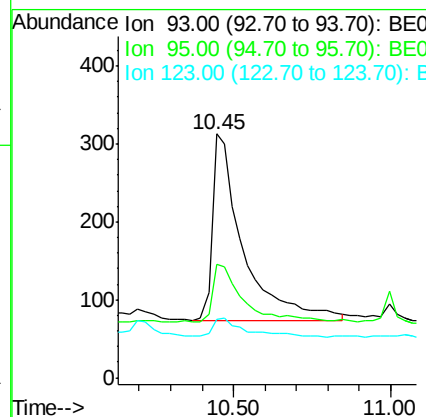
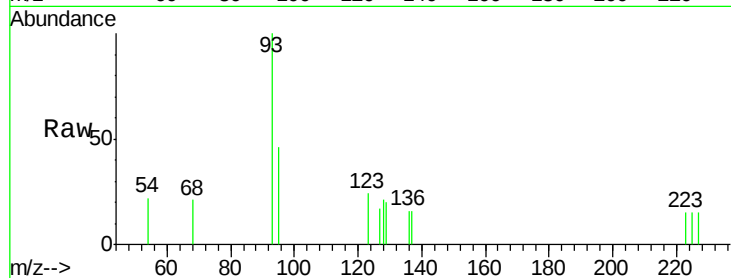




#11
 bis(2-Chloroethoxy)methane
 Concen: 0.17 ng
 RT: 10.45 min Scan# 434
 Delta R.T. -0.00 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

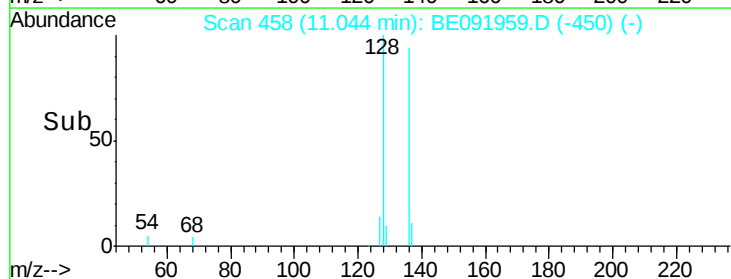
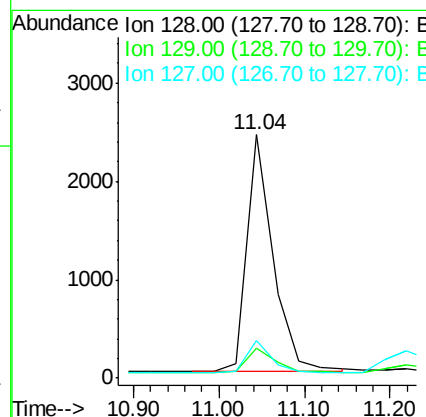
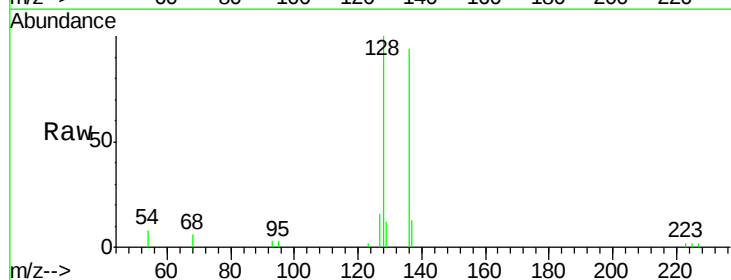
Instrument :
 BNA_E
 ClientSampleId :

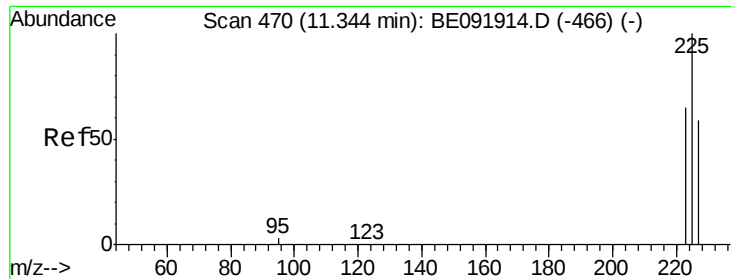
Tot Ion: 93 Resp: 1621
 Ion Ratio Lower Upper
 93 100
 95 30.2 57.6 86.4#
 123 0.0 100.2 150.4#



#12
 Naphthalene
 Concen: 0.22 ng
 RT: 11.04 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

Tgt Ion: 128 Resp: 5212
 Ion Ratio Lower Upper
 128 100
 129 12.4 10.4 15.6
 127 15.6 10.2 15.2#

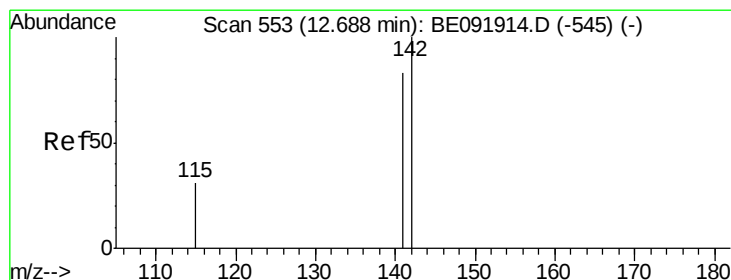
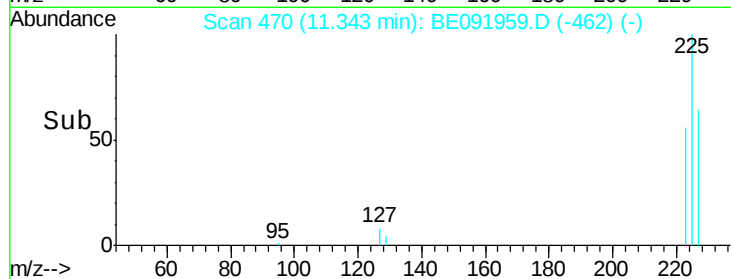
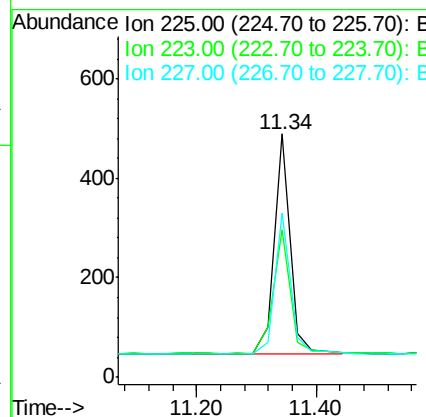
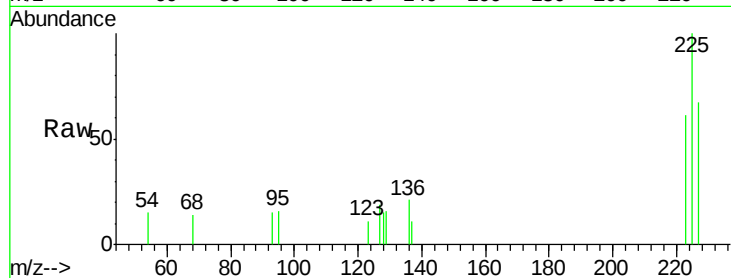




#13
Hexachlorobutadiene
Concen: 0.22 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

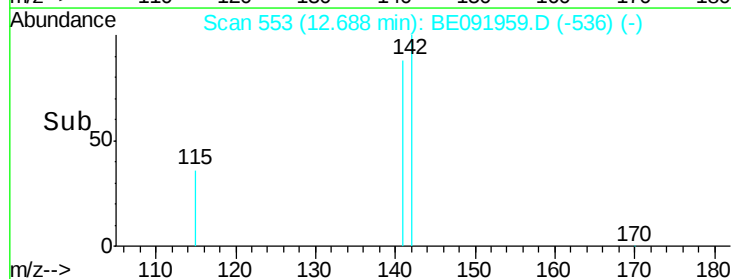
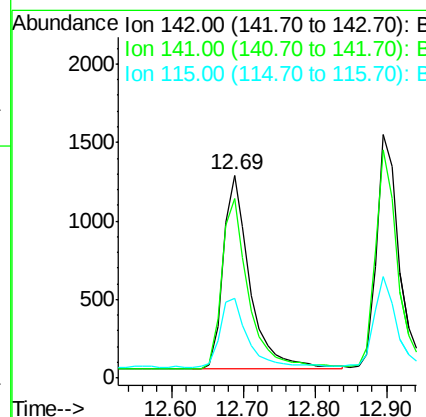
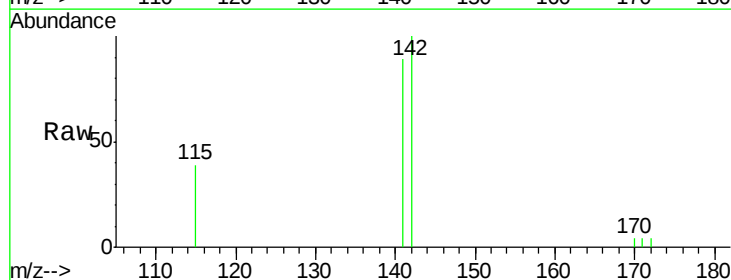
Instrument :
BNA_E
ClientSampleId :

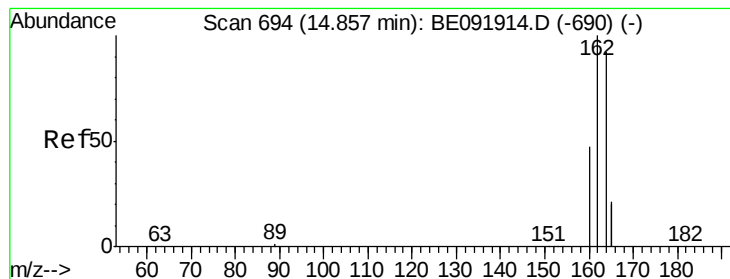
Tot Ion:225 Resp: 832
Ion Ratio Lower Upper
225 100
223 60.6 49.8 74.8
227 63.0 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.20 ng
RT: 12.69 min Scan# 553
Delta R.T. 0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Tgt Ion:142 Resp: 3200
Ion Ratio Lower Upper
142 100
141 88.5 71.9 107.9
115 39.2 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: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

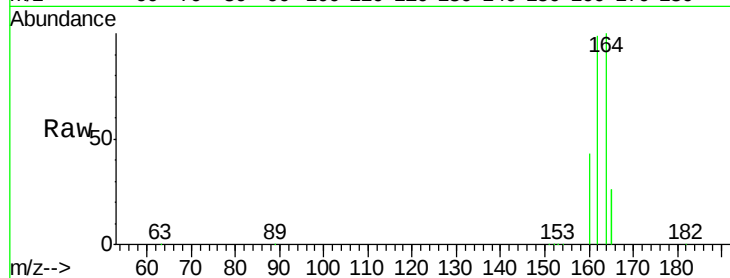
Tot Ion:164 Resp: 78500

Ion Ratio Lower Upper

164 100

162 99.0 71.8 107.8

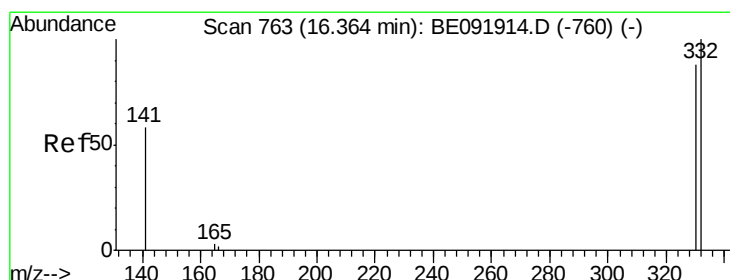
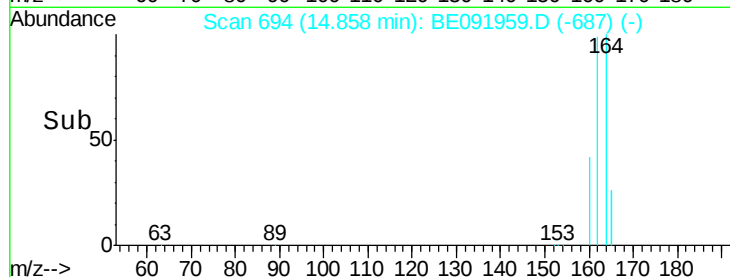
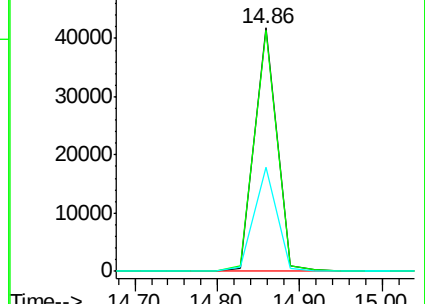
160 42.5 28.0 42.0#



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: 0.21 ng

RT: 16.36 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

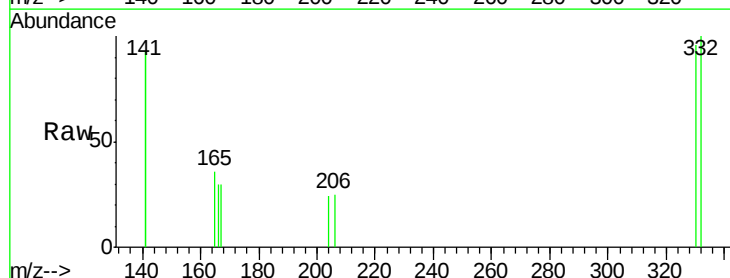
Tgt Ion:330 Resp: 332

Ion Ratio Lower Upper

330 100

332 99.1 77.0 115.6

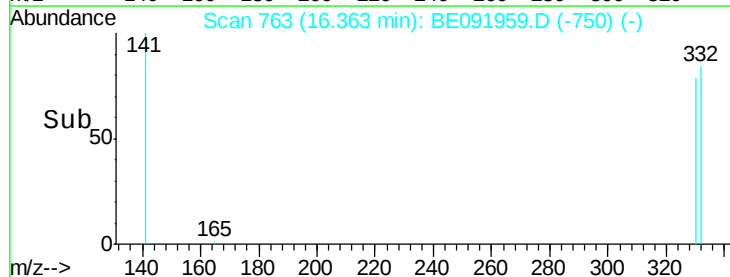
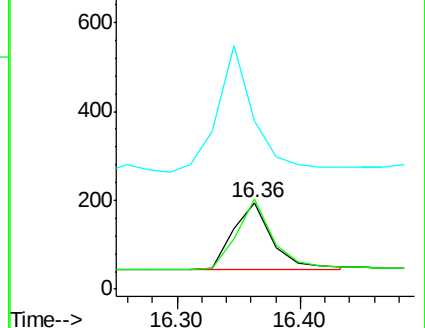
141 186.4 138.4 207.6

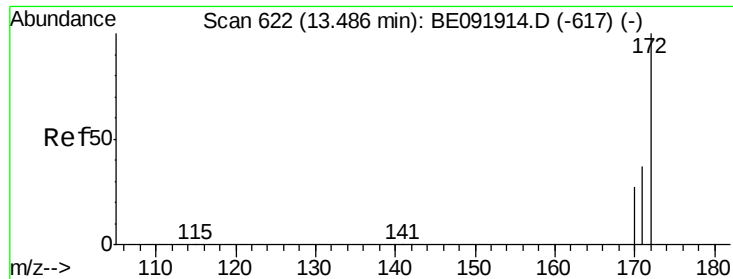


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

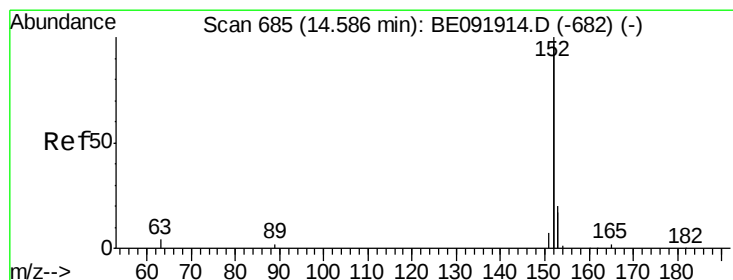
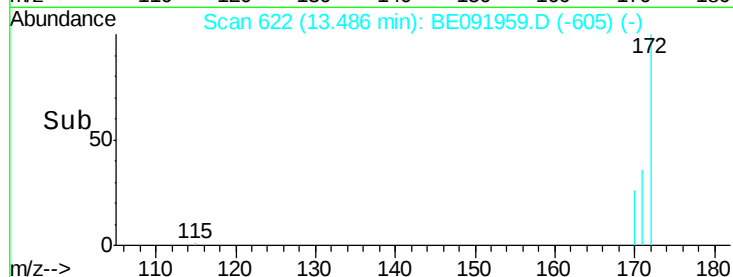
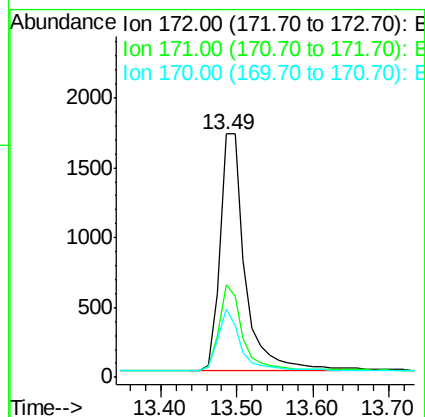
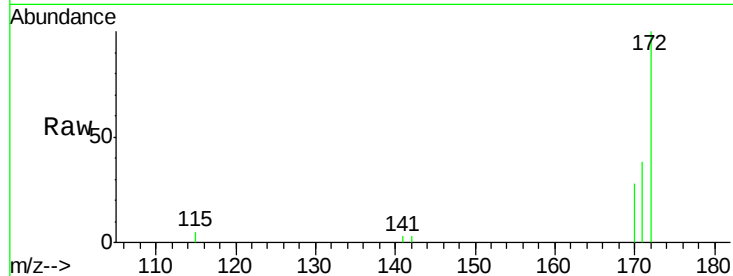




#17
 2-Fluorobiphenyl
 Concen: 0.20 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

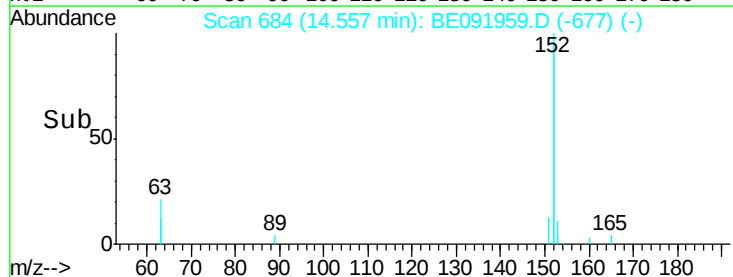
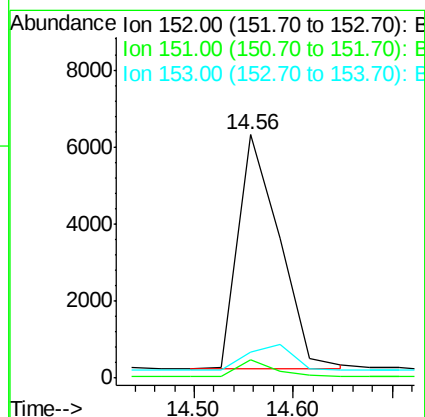
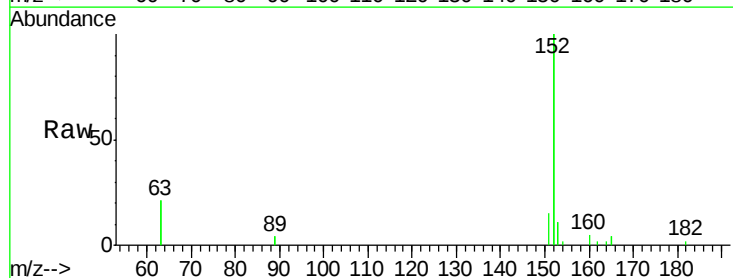
Instrument :
 BNA_E
 ClientSampleId :

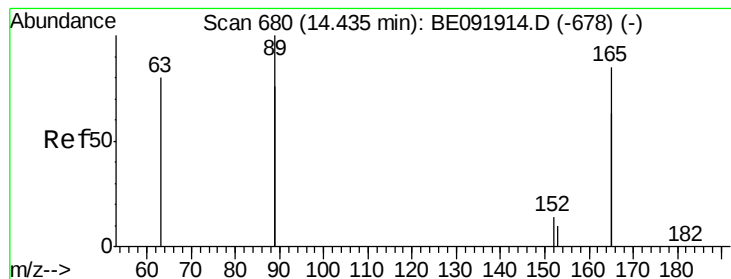
Tot Ion:172 Resp: 3936
 Ion Ratio Lower Upper
 172 100
 171 37.8 24.3 36.5#
 170 27.9 14.9 22.3#



#18
 Acenaphthylene
 Concen: 0.22 ng
 RT: 14.56 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

Tgt Ion:152 Resp: 17913
 Ion Ratio Lower Upper
 152 100
 151 5.5 19.4 29.2#
 153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.15 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

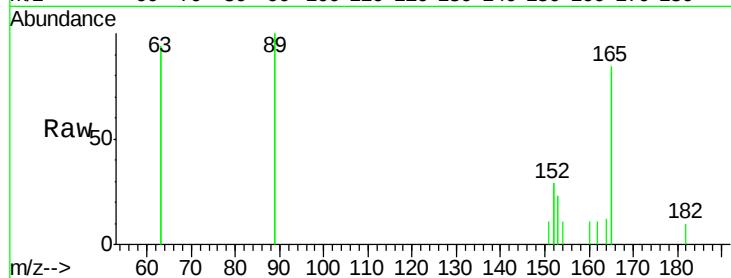
Tot Ion:165 Resp: 1910

Ion Ratio Lower Upper

165 100

63 156.9 65.9 98.9#

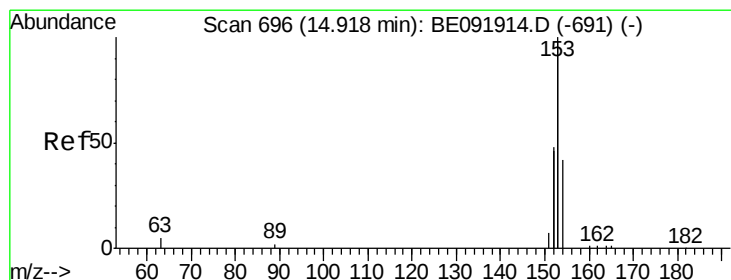
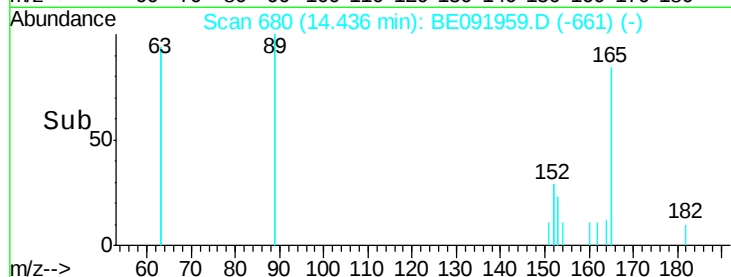
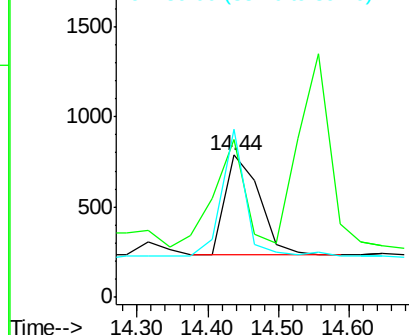
89 89.8 59.1 88.7#



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: 0.21 ng

RT: 14.92 min Scan# 696

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

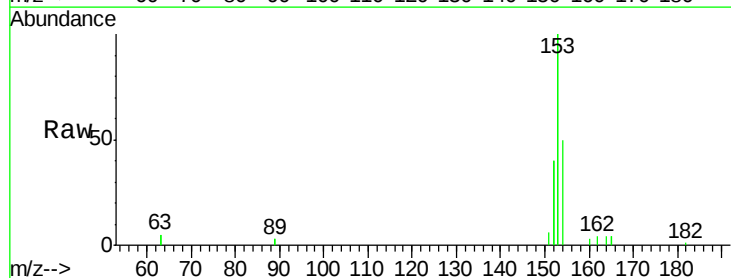
Tgt Ion:154 Resp: 4508

Ion Ratio Lower Upper

154 100

153 389.8 88.1 132.1#

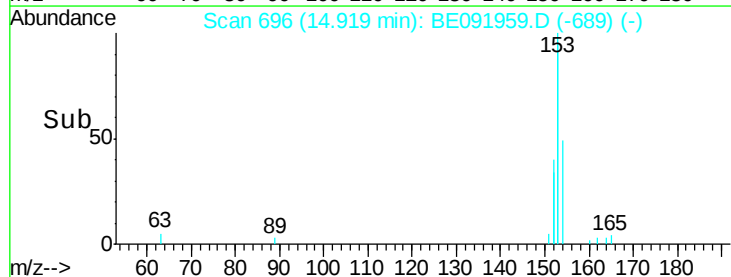
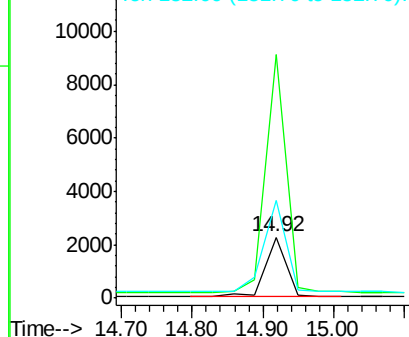
152 164.0 44.2 66.2#

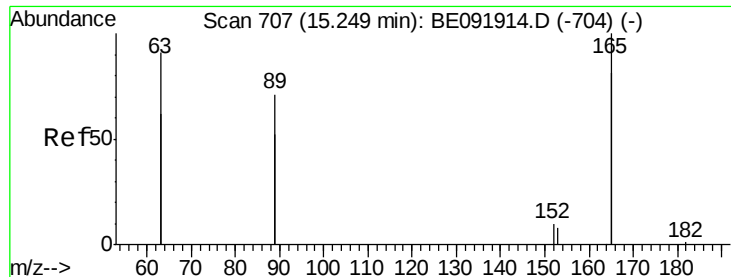


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

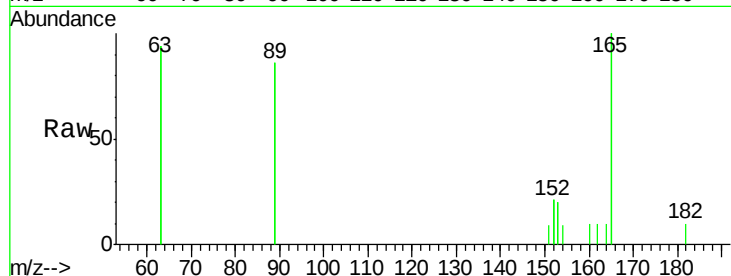




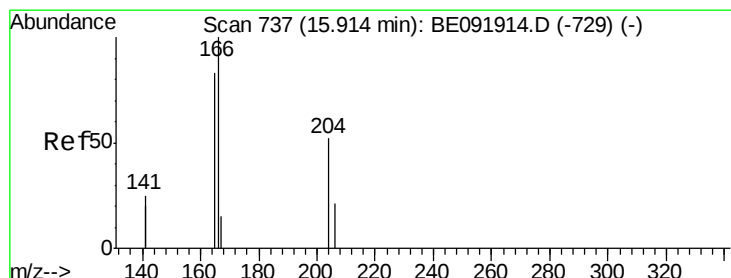
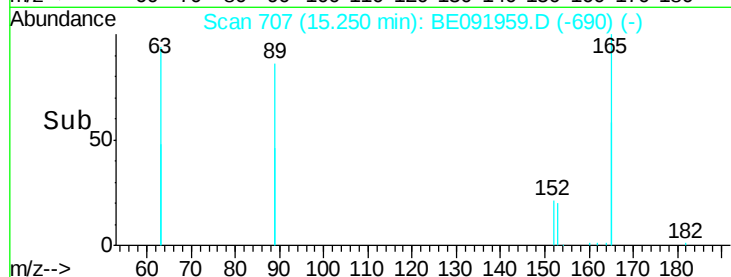
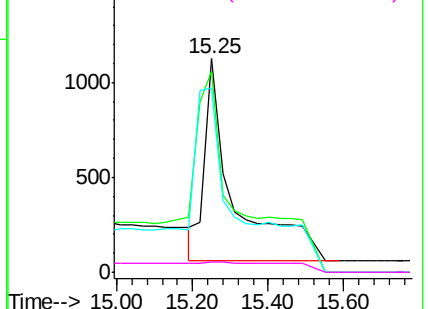
#21
2,4-Dinitrotoluene
Concen: 0.48 ng
RT: 15.25 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 5766
Ion Ratio Lower Upper
165 100
63 161.5 0.0 0.0#
89 148.2 99.8 149.8
182 0.0 0.0 0.0

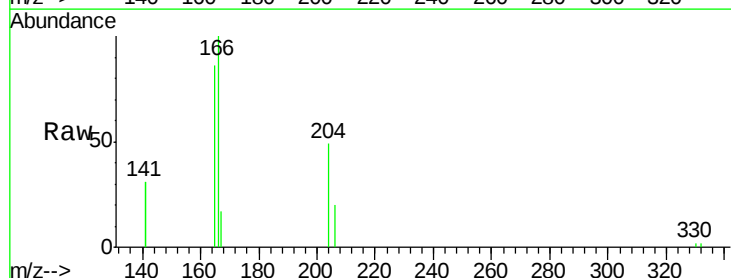


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

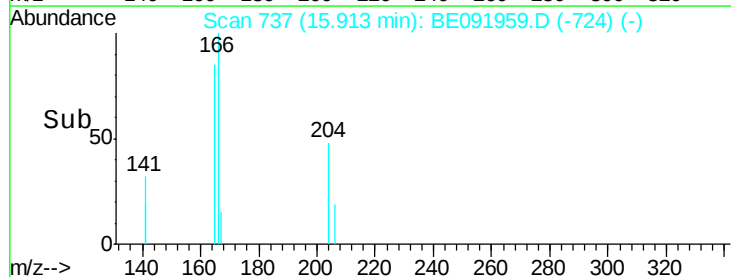
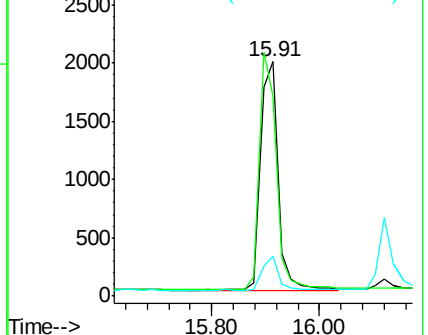


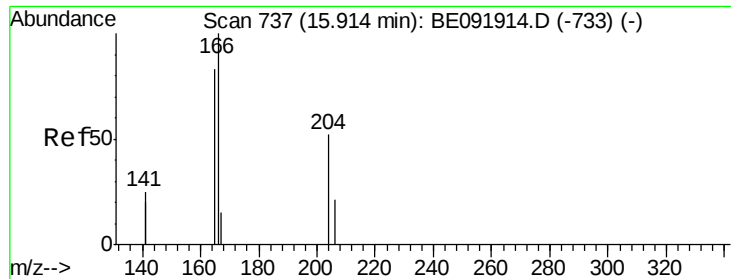
#22
Fluorene
Concen: 0.20 ng
RT: 15.91 min Scan# 737
Delta R.T. 0.02 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Tgt Ion:166 Resp: 4446
Ion Ratio Lower Upper
166 100
165 99.5 78.6 117.8
167 14.1 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

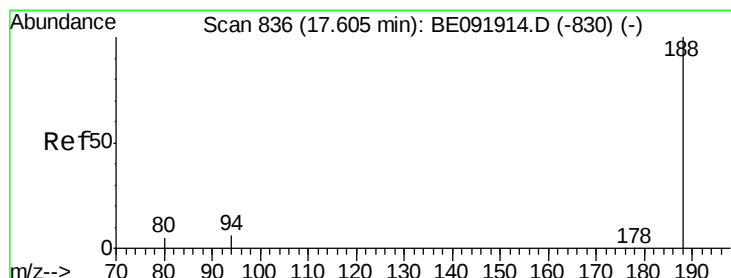
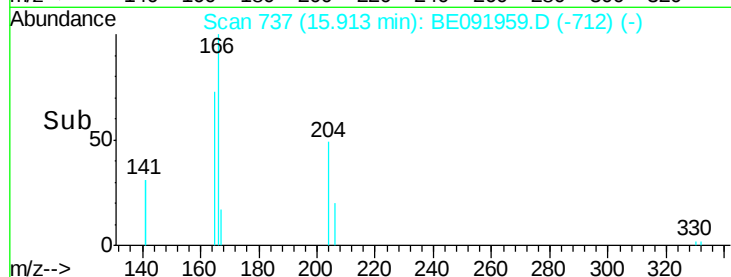
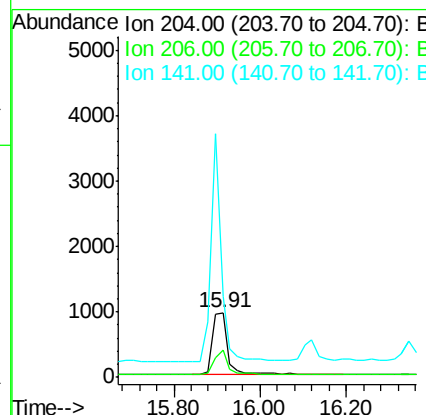
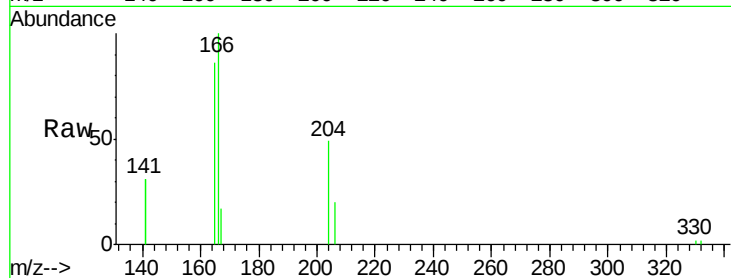




#23
 4-Chlorophenyl-phenylether
 Concen: 0.21 ng
 RT: 15.91 min Scan# 737
 Delta R.T. 0.02 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

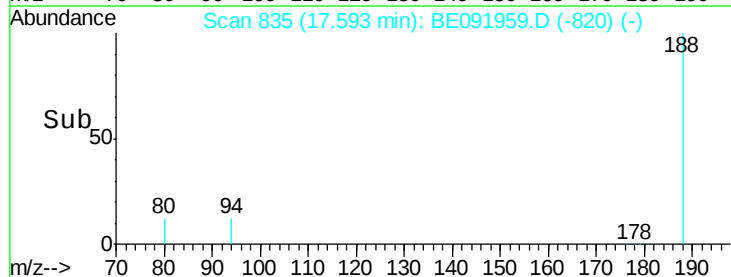
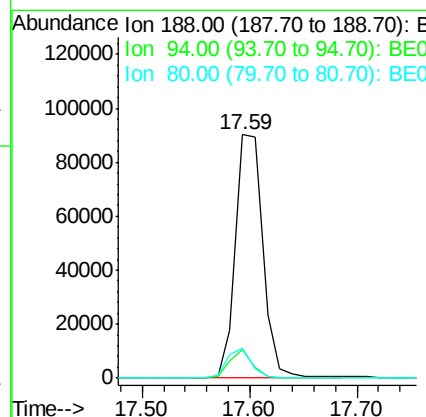
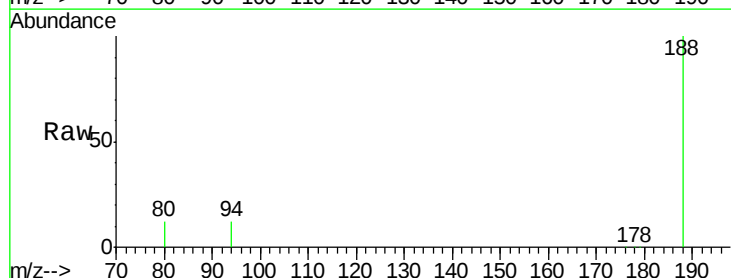
Instrument :
 BNA_E
 ClientSampled :

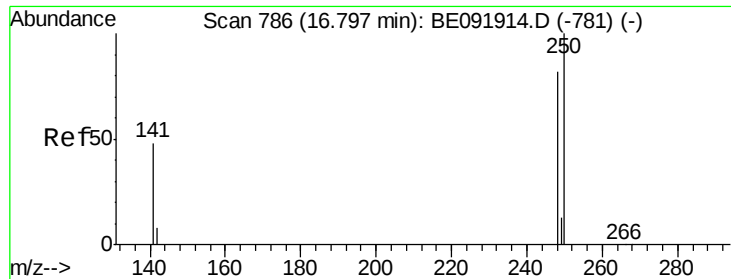
Tot Ion:204 Resp: 2276
 Ion Ratio Lower Upper
 204 100
 206 33.4 27.8 41.6
 141 255.4 197.6 296.4



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

Tgt Ion:188 Resp: 158593
 Ion Ratio Lower Upper
 188 100
 94 11.9 4.1 6.1#
 80 12.1 3.4 5.2#

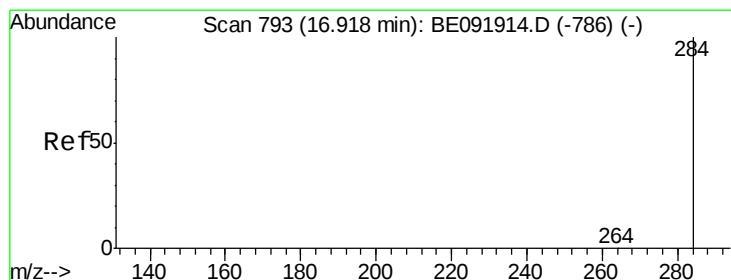
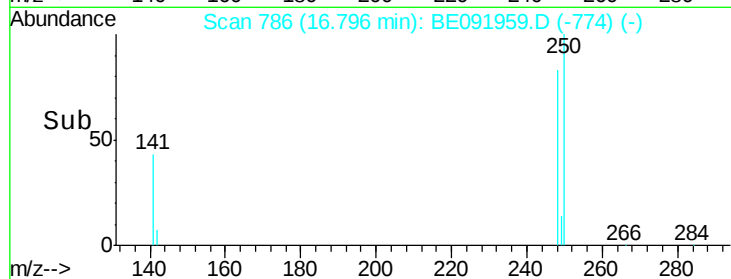
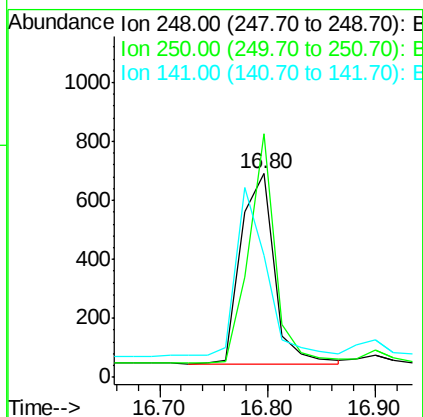
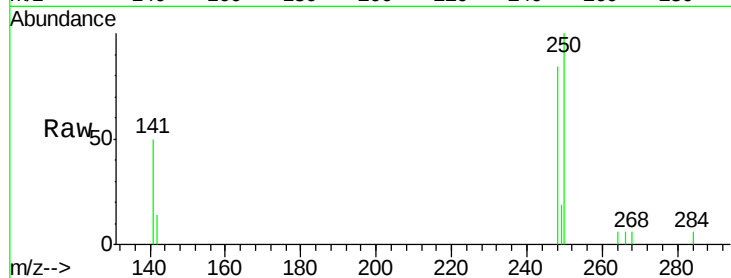




#25
4-Bromophenyl-phenylether
Concen: 0.22 ng
RT: 16.80 min Scan# 786
Delta R.T. 0.02 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

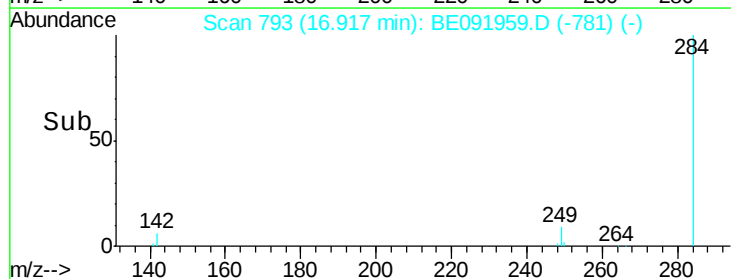
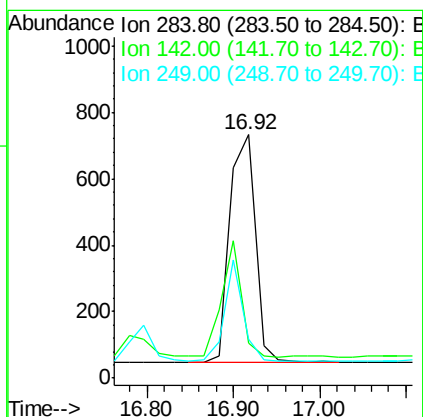
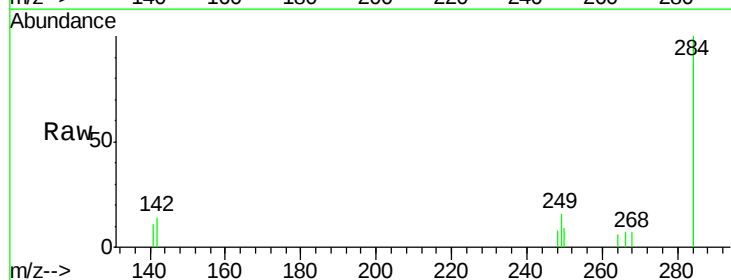
Instrument :
BNA_E
ClientSampled :

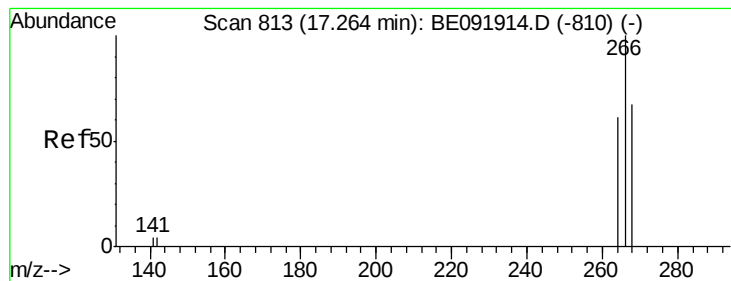
Tot Ion:248 Resp: 1379
Ion Ratio Lower Upper
248 100
250 96.0 75.7 113.5
141 81.6 64.6 97.0



#26
Hexachlorobenzene
Concen: 0.22 ng
RT: 16.92 min Scan# 793
Delta R.T. 0.02 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Tgt Ion:284 Resp: 1411
Ion Ratio Lower Upper
284 100
142 40.0 31.4 47.2
249 32.5 25.3 37.9





#27

Pentachlorophenol

Concen: 0.17 ng

RT: 17.28 min Scan# 814

Delta R.T. 0.02 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

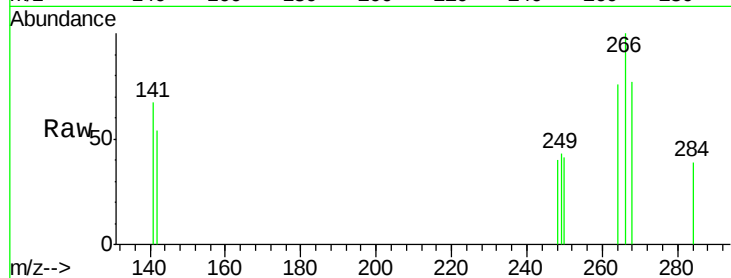
Tot Ion:266 Resp: 287

Ion Ratio Lower Upper

266 100

268 77.2 60.5 90.7

264 75.6 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

17.28

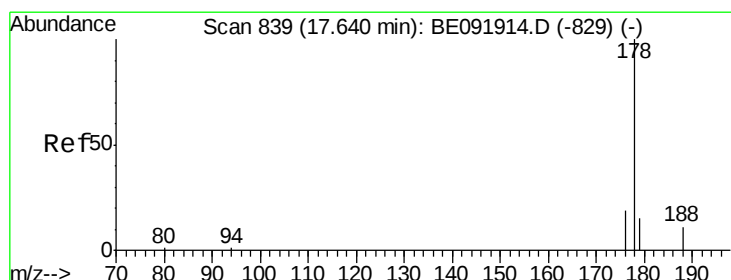
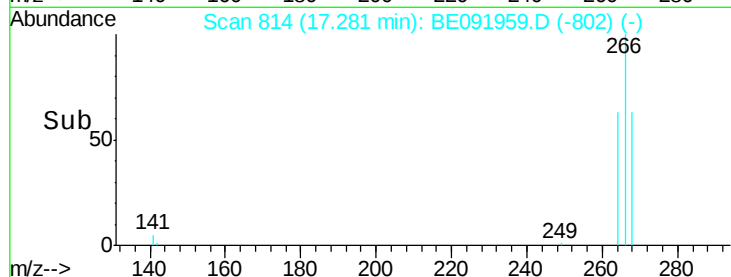
100

50

0

17.20 17.30 17.40

Time-->



#28

Phenanthrene

Concen: 0.21 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

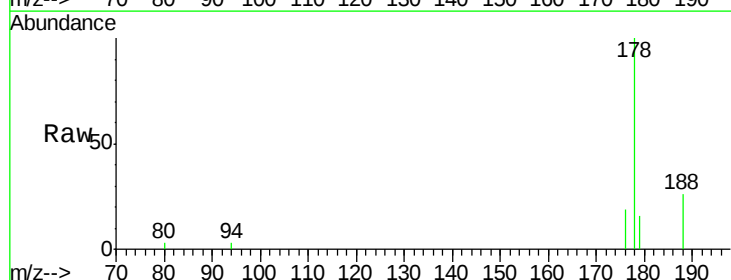
Tgt Ion:178 Resp: 8452

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 16.7 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

17.64

6000

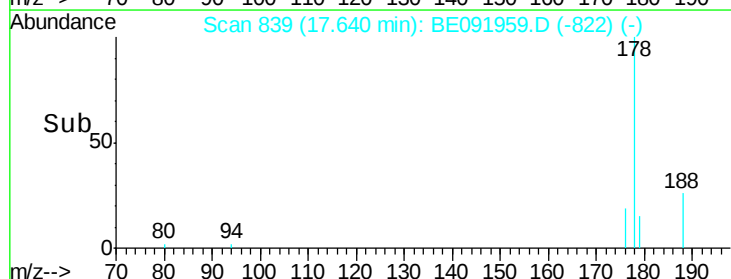
4000

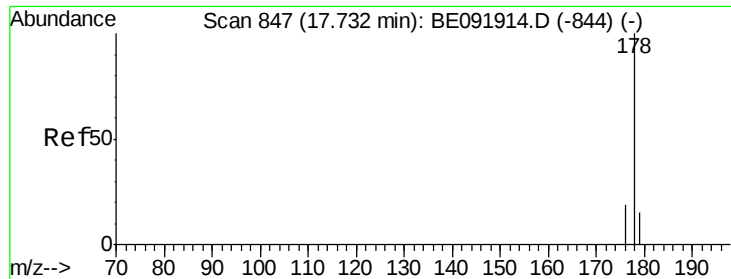
2000

0

17.50 17.60 17.70

Time-->





#29

Anthracene

Concen: 0.21 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

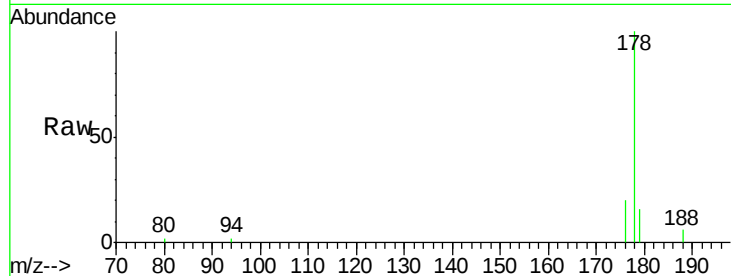
Tot Ion:178 Resp: 7420

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

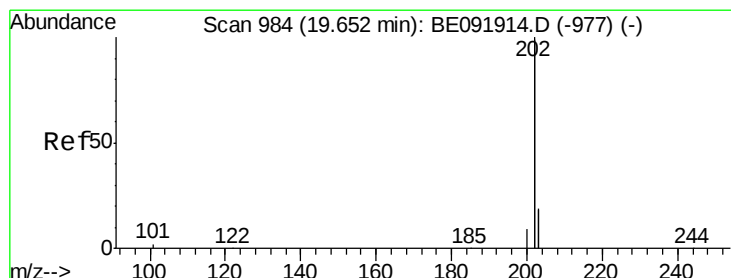
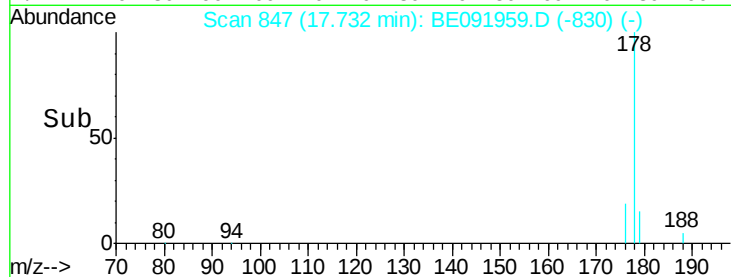
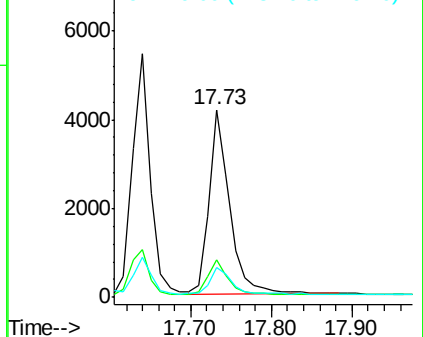
179 15.1 12.1 18.1



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: 0.22 ng

RT: 19.65 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

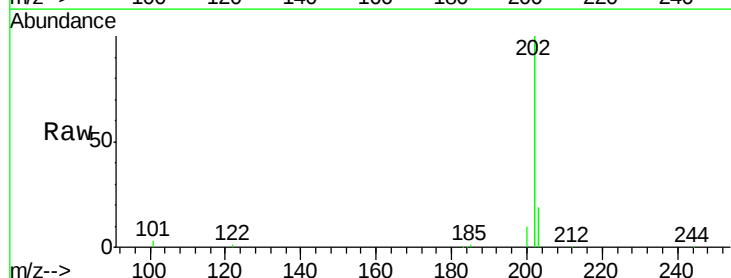
Tgt Ion:202 Resp: 36761

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

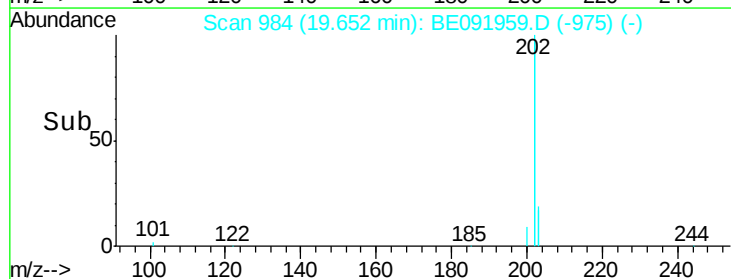
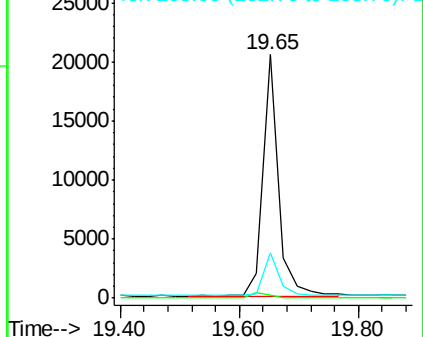
203 18.0 14.3 21.5



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: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

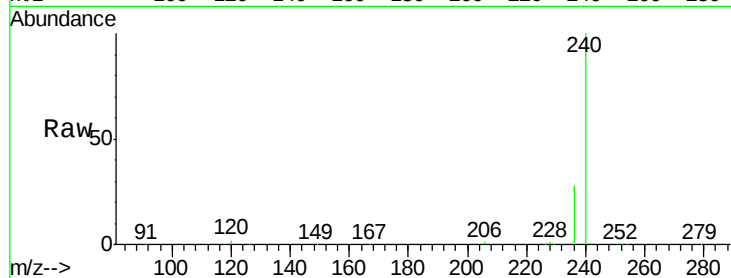
Tot Ion:240 Resp: 268171

Ion Ratio Lower Upper

240 100

120 2.3 1.2 1.8#

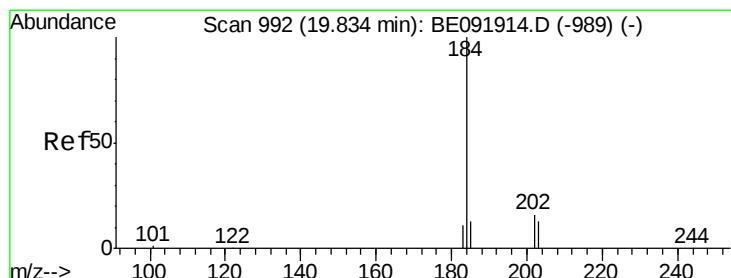
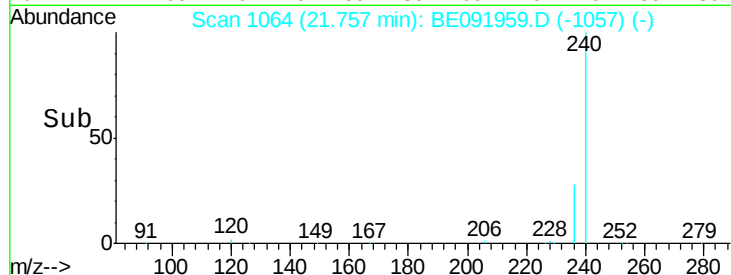
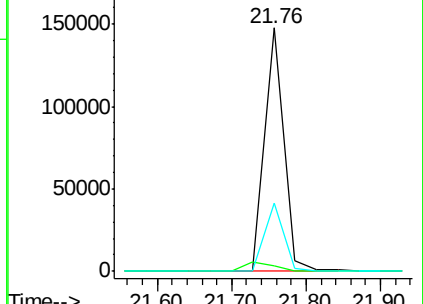
236 28.1 19.8 29.8



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: 0.35 ng

RT: 19.86 min Scan# 993

Delta R.T. 0.02 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

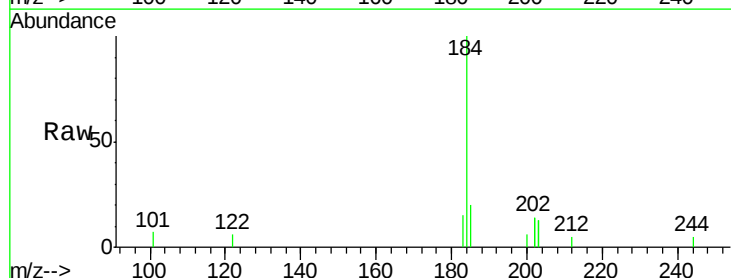
Tgt Ion:184 Resp: 3163

Ion Ratio Lower Upper

184 100

185 19.9 11.4 17.2#

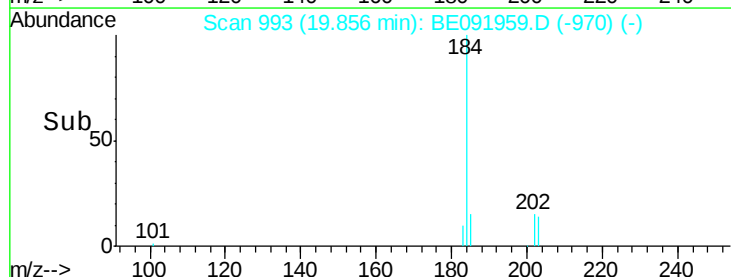
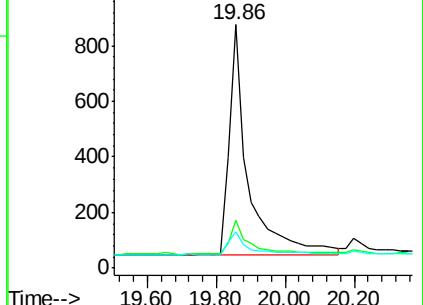
183 15.0 11.8 17.6

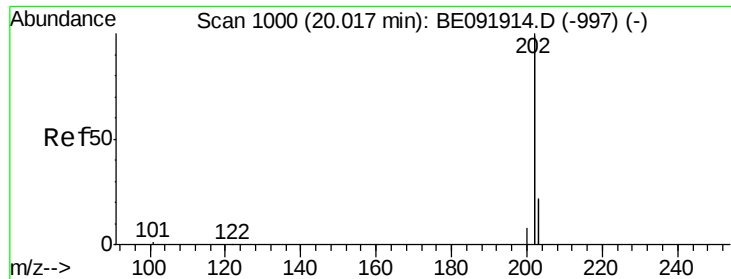


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

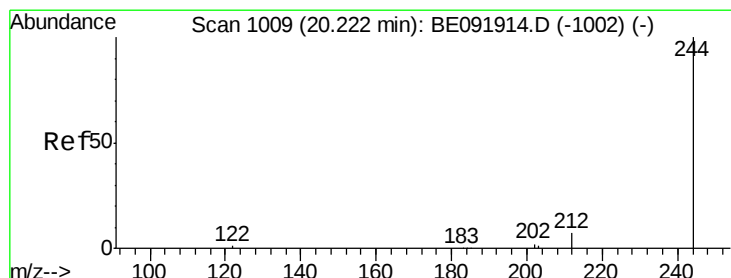
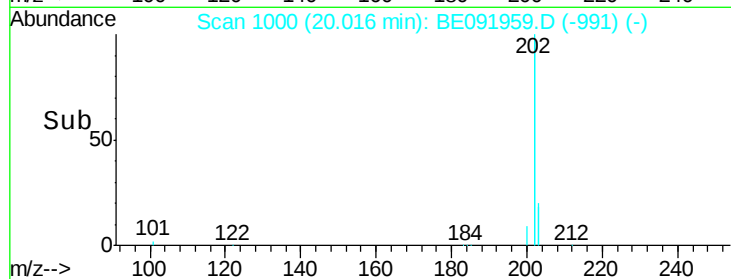
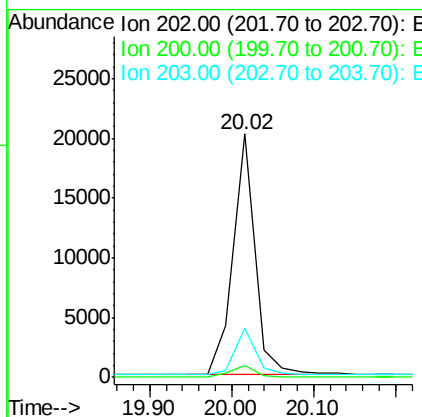
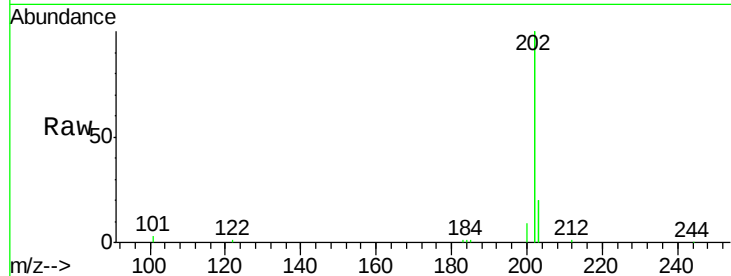




#33
Pvrene
Concen: 0.20 ng
RT: 20.02 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

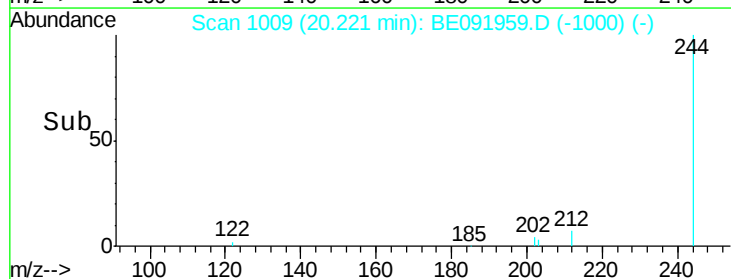
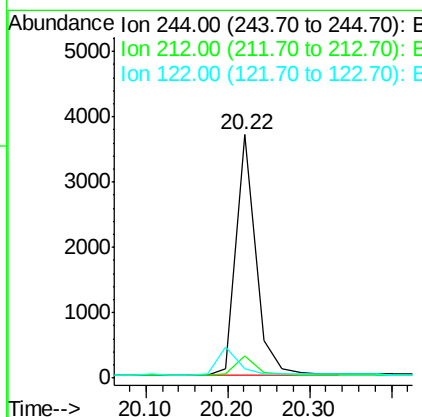
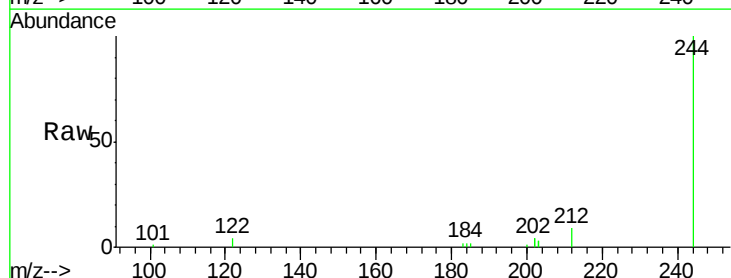
Instrument :
BNA_E
ClientSampleId :

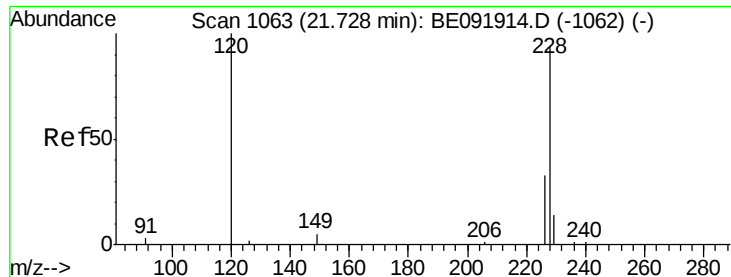
Tot Ion:202 Resp: 37385
Ion Ratio Lower Upper
202 100
200 5.1 16.9 25.3#
203 18.4 14.1 21.1



#34
Terphenyl-d14
Concen: 0.19 ng
RT: 20.22 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Tgt Ion:244 Resp: 6122
Ion Ratio Lower Upper
244 100
212 8.9 6.5 9.7
122 4.1 2.9 4.3

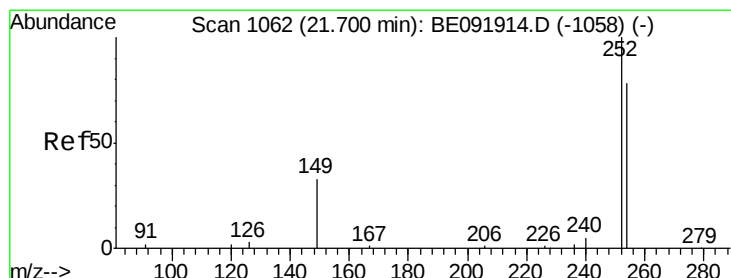
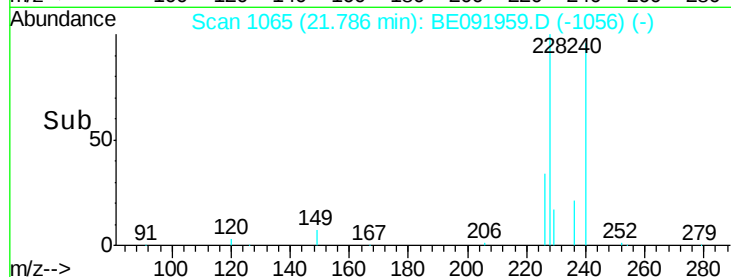
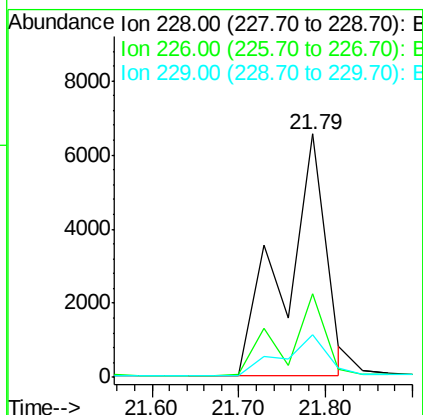
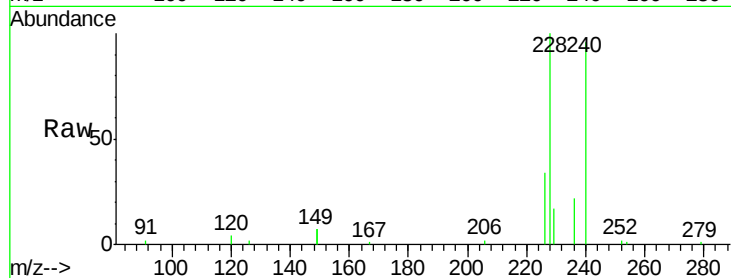




#35
Benzo(a)anthracene
Concen: 0.50 ng
RT: 21.79 min Scan# 1065
Delta R.T. 0.06 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

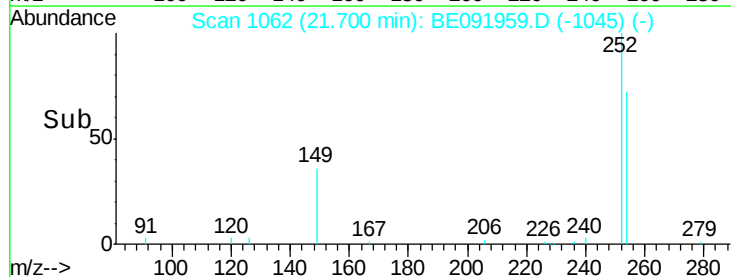
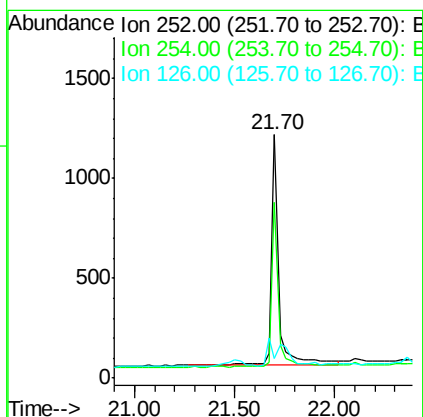
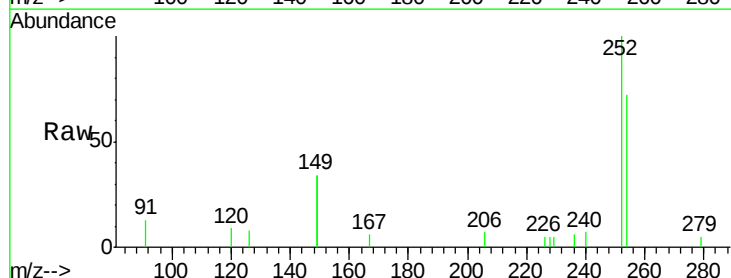
Instrument :
BNA_E
ClientSampleId :

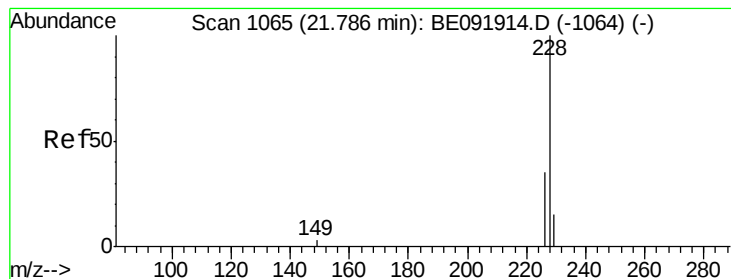
Tot Ion:228 Resp: 21273
Ion Ratio Lower Upper
228 100
226 34.4 21.0 31.4#
229 17.3 15.8 23.8



#36
3,3'-Dichlorobenzidine
Concen: 0.44 ng
RT: 21.70 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BE091959.D
Acq: 5 Jul 2016 9:30

Tgt Ion:252 Resp: 3029
Ion Ratio Lower Upper
252 100
254 72.4 61.5 92.3
126 8.0 2.5 3.7#





#37

Chrysene

Concen: 0.35 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

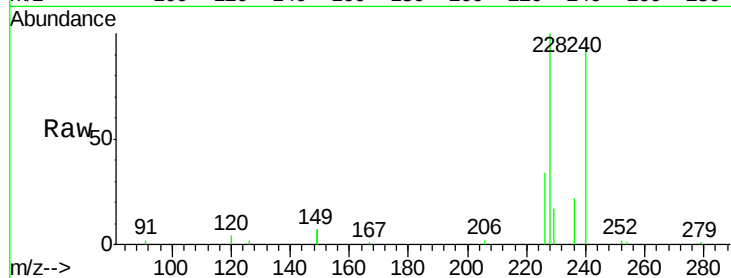
Tot Ion:228 Resp: 21603

Ion Ratio Lower Upper

228 100

226 34.4 27.0 40.6

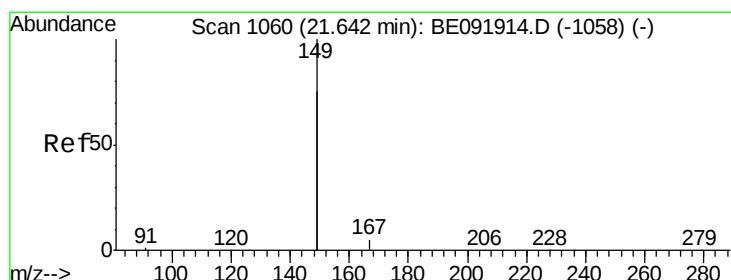
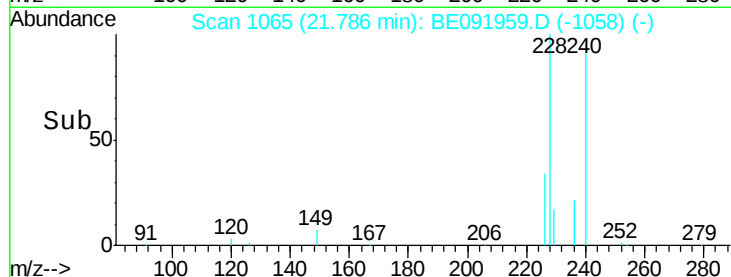
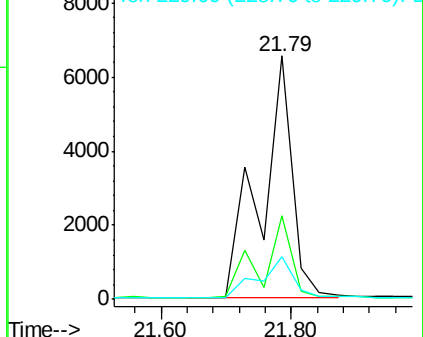
229 17.3 13.8 20.8



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: 0.30 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

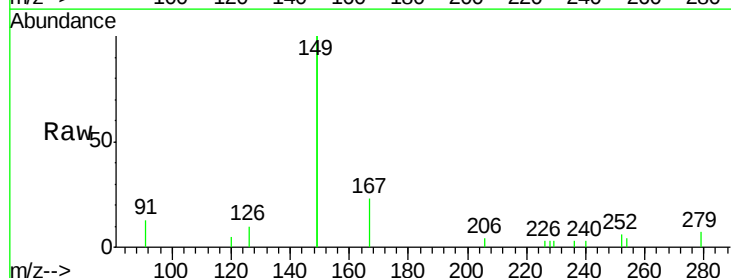
Tgt Ion:149 Resp: 9348

Ion Ratio Lower Upper

149 100

167 8.8 0.0 0.0#

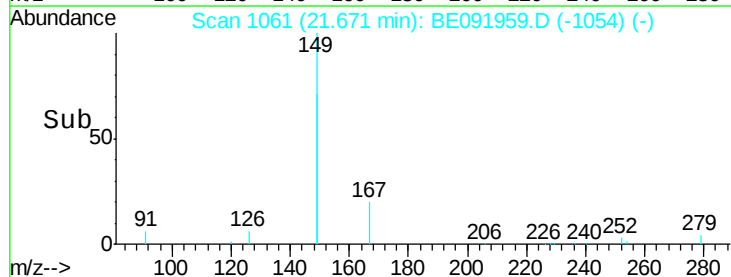
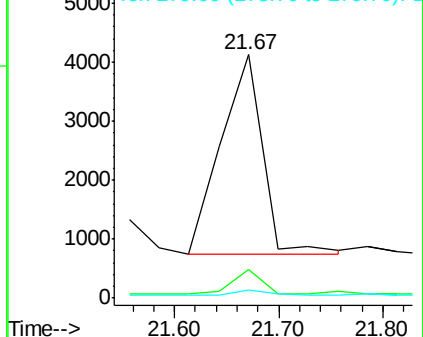
279 1.8 0.0 0.0#

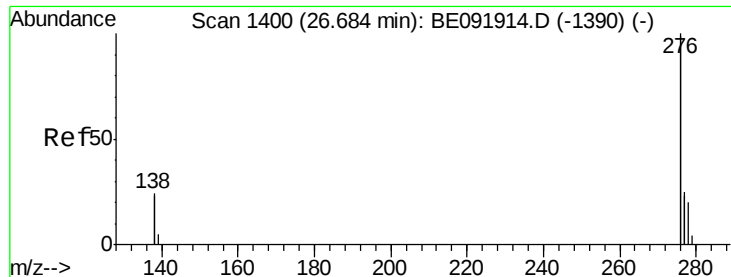


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

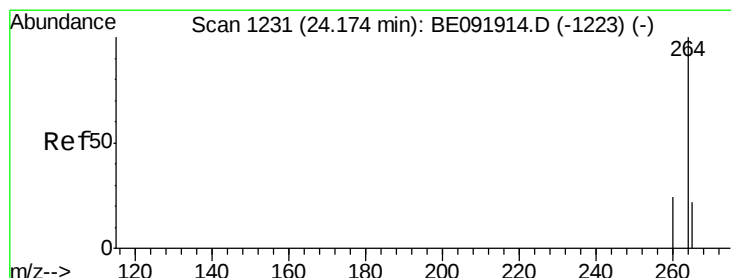
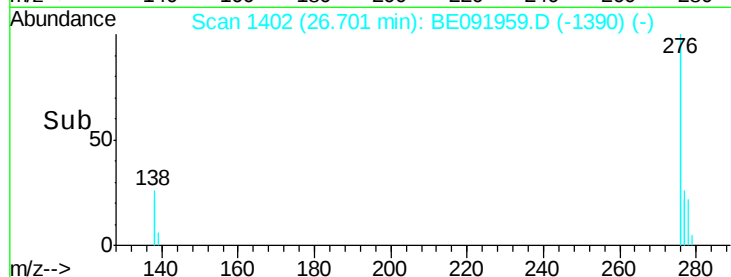
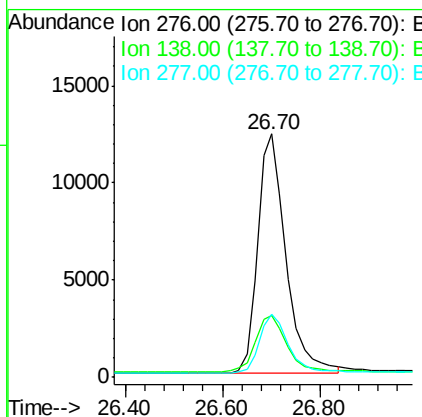
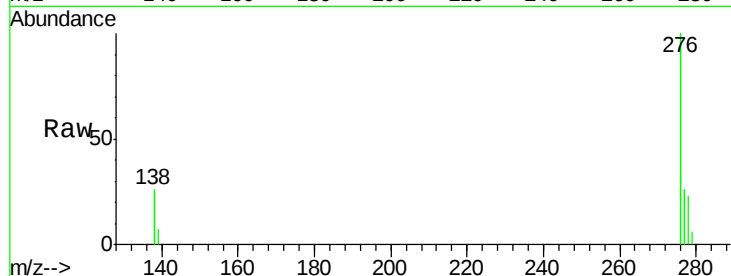




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.24 ng
 RT: 26.70 min Scan# 1402
 Delta R.T. -0.00 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

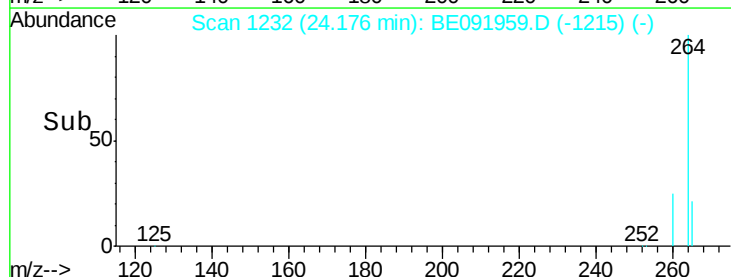
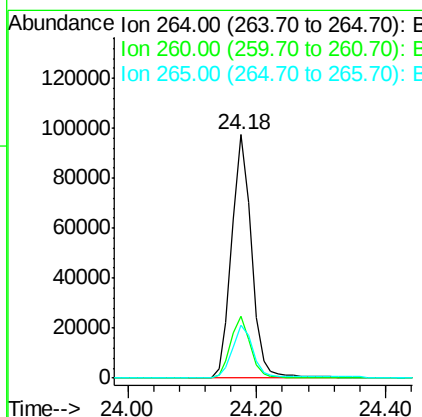
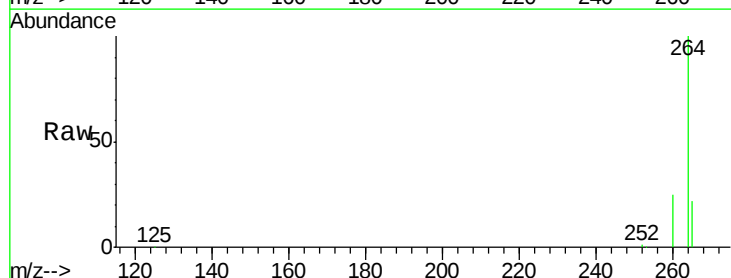
Instrument :
 BNA_E
 ClientSampleId :

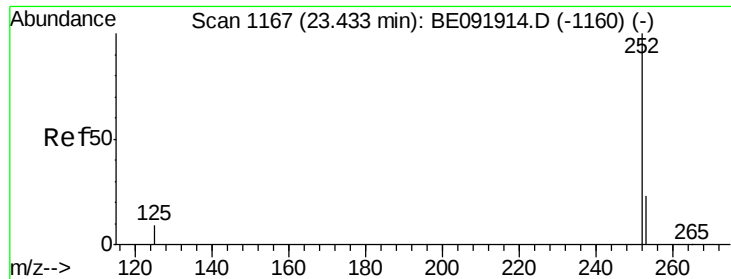
Tot Ion:276 Resp: 49945
 Ion Ratio Lower Upper
 276 100
 138 26.3 19.7 29.5
 277 24.6 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.18 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091959.D
 Acq: 5 Jul 2016 9:30

Tgt Ion:264 Resp: 206876
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.3 30.5
 265 21.9 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.21 ng

RT: 23.44 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

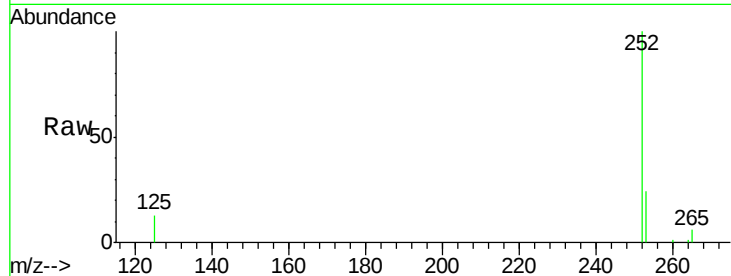
Tot Ion:252 Resp: 11201

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 13.3 9.4 14.2

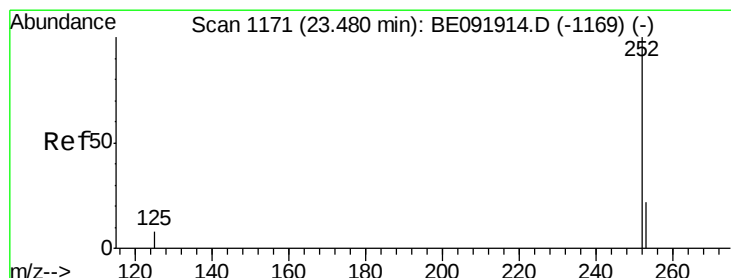
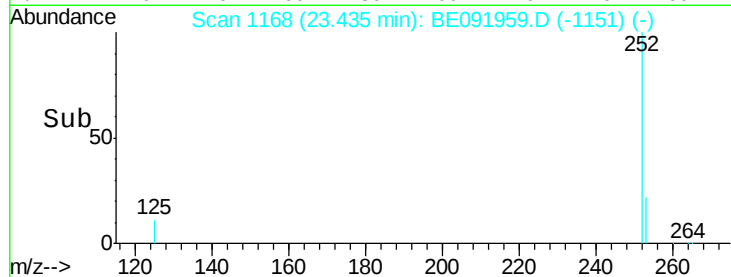
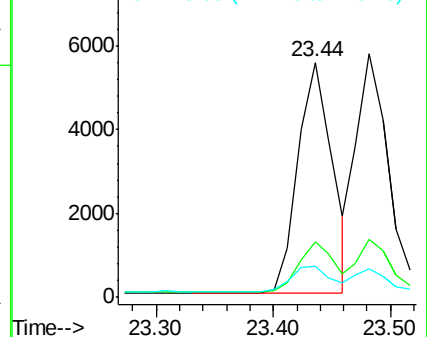


Abundance

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: 0.23 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

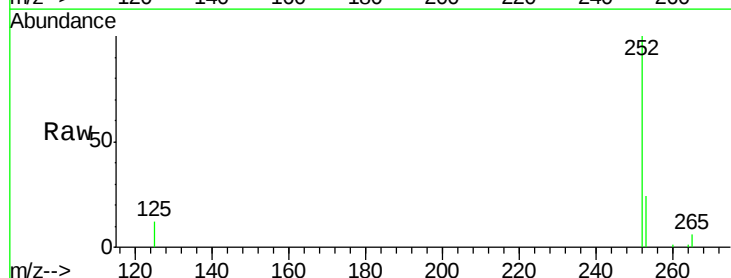
Tgt Ion:252 Resp: 11133

Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.2

125 11.9 8.3 12.5

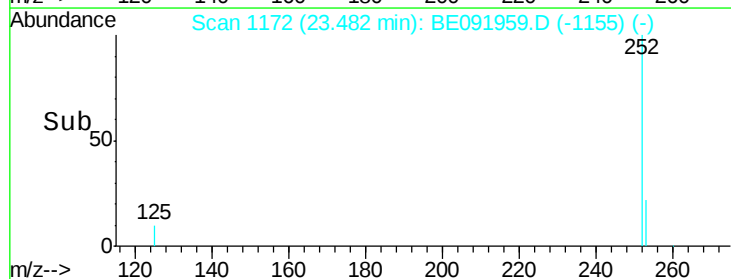
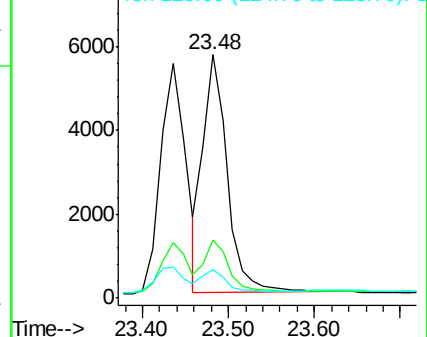


Abundance

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: 0.23 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :

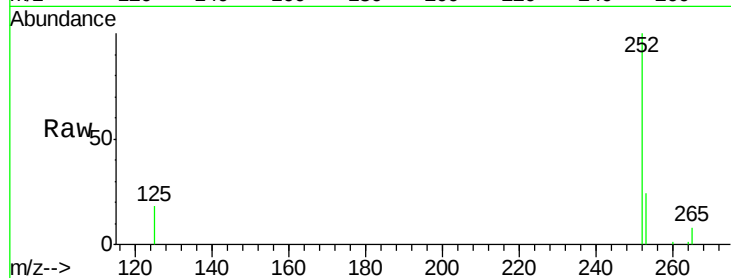
Tot Ion:252 Resp: 10731

Ion Ratio Lower Upper

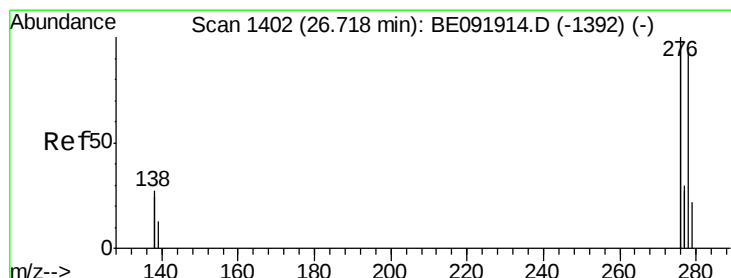
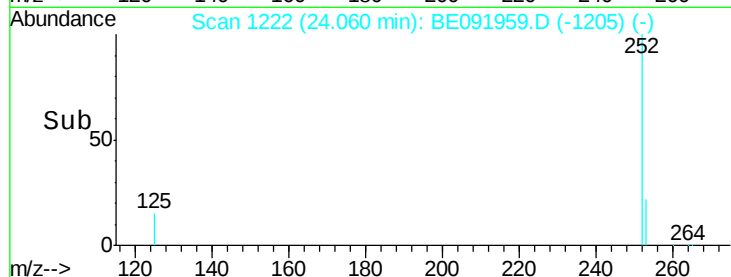
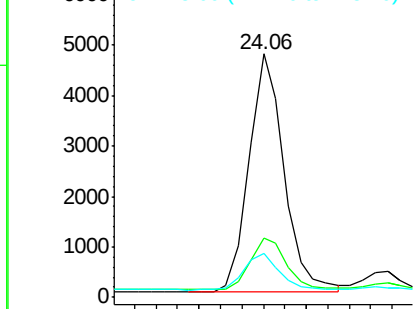
252 100

253 24.4 18.9 28.3

125 18.3 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: 0.22 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

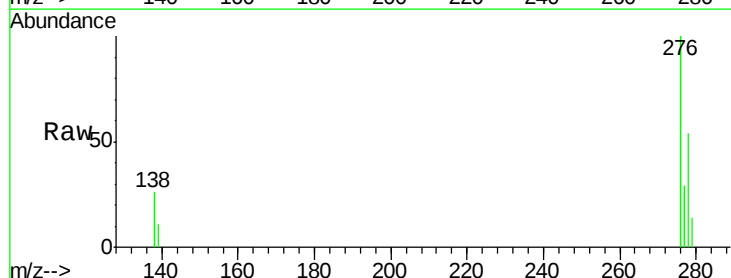
Tgt Ion:278 Resp: 10095

Ion Ratio Lower Upper

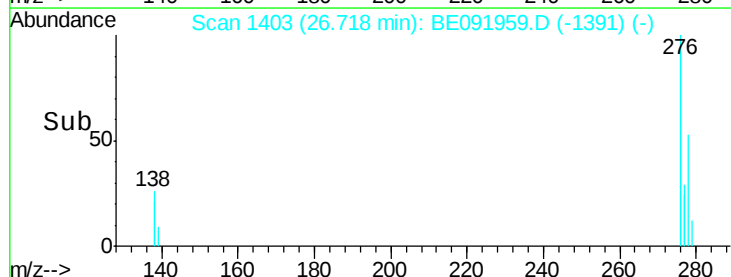
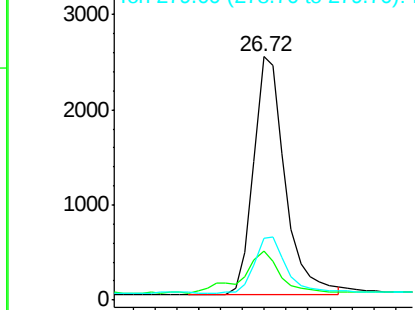
278 100

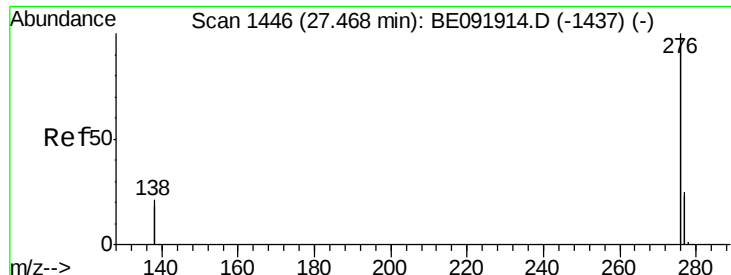
139 20.1 12.6 18.8#

279 25.4 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: 0.23 ng

RT: 27.48 min Scan# 1448

Delta R.T. 0.02 min

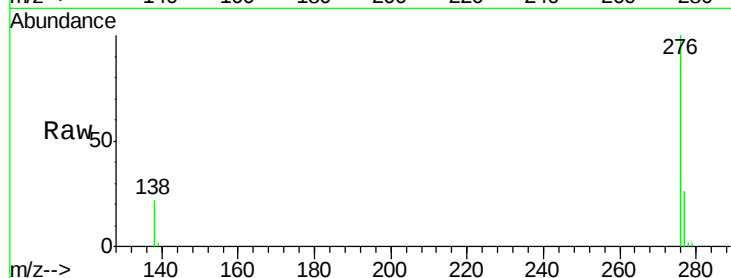
Lab File: BE091959.D

Acq: 5 Jul 2016 9:30

Instrument :

BNA_E

ClientSampleId :



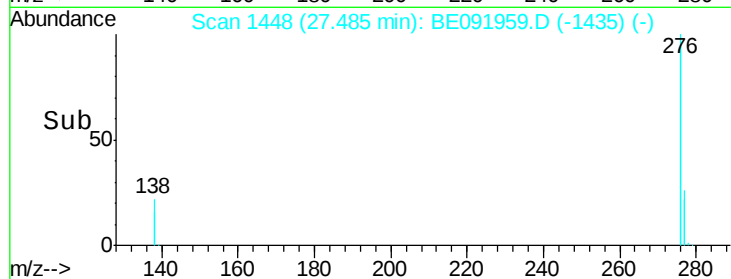
Tot Ion: 276 Resp: 42161

Ion Ratio Lower Upper

276 100

277 26.4 19.5 29.3

138 21.7 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

