

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091929.D
 Acq On : 15 Jun 2016 17:45
 Operator : UM/SJ
 Sample : PB91035BSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

Quant Time: Jun 15 18:23:36 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	26874	5.00	ng	0.02
8) Naphthalene-d8	10.99	136	110894	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	69001	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	120432	5.00	ng	0.00
31) Chrysene-d12	21.76	240	190530	5.00	ng	0.00
40) Perylene-d12	24.16	264	141062	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	37788	7.19	ng	0.00
5) Phenol-d6	7.37	99	49290	5.75	ng	0.02
9) Nitrobenzene-d5	9.37	82	28355	3.70	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	10298	5.76	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	62590	3.57	ng	0.00
34) Terphenyl-d14	20.22	244	66438	2.85	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	9440	2.49	ng	# 83
3) n-Nitrosodimethylamine	3.82	42	14070	3.27	ng	# 93
6) bis(2-Chloroethyl)ether	7.63	93	25300	3.29	ng	97
7) n-Nitroso-di-n-propylamine	9.00	70	19511	2.70	ng	# 98
10) Nitrobenzene	9.40	77	28422	3.28	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	31203	3.22	ng	# 19
12) Naphthalene	11.04	128	79758	3.29	ng	# 94
13) Hexachlorobutadiene	11.34	225	13186	3.37	ng	99
14) 2-Methylnaphthalene	12.68	142	53765	3.27	ng	97
18) Acenaphthylene	14.56	152	237514	3.39	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	45760	3.08	ng	# 36
20) Acenaphthene	14.92	154	63135	3.27	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	45004	3.30	ng	# 85
22) Fluorene	15.90	166	58487	3.05	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	28063	2.97	ng	94
25) 4-Bromophenyl-phenylether	16.78	248	16119	3.46	ng	97
26) Hexachlorobenzene	16.90	284	16031	3.36	ng	94
27) Pentachlorophenol	17.25	266	11605	5.17	ng	# 82
28) Phenanthrene	17.64	178	97214	3.23	ng	99
29) Anthracene	17.73	178	88958	3.34	ng	100
30) Fluoranthene	19.65	202	361188	2.80	ng	# 85
32) Benzidine	19.83	184	5291	0.77	ng	96
33) Pyrene	20.02	202	403057	3.11	ng	# 75
35) Benzo(a)anthracene	21.79	228	257702	8.61	ng	# 91
36) 3,3'-Dichlorobenzidine	21.67	252	9392	1.94	ng	# 59
37) Chrysene	21.79	228	259913	5.94	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	73302	3.04	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	600079	4.01	ng	97
41) Benzo(b)fluoranthene	23.42	252	117210	3.24	ng	98
42) Benzo(k)fluoranthene	23.47	252	121134	3.66	ng	95
43) Benzo(a)pyrene	24.06	252	111661	3.53	ng	97
44) Dibenzo(a,h)anthracene	26.70	278	127142	4.13	ng	97
45) Benzo(g,h,i)perylene	27.45	276	521513	4.10	ng	96

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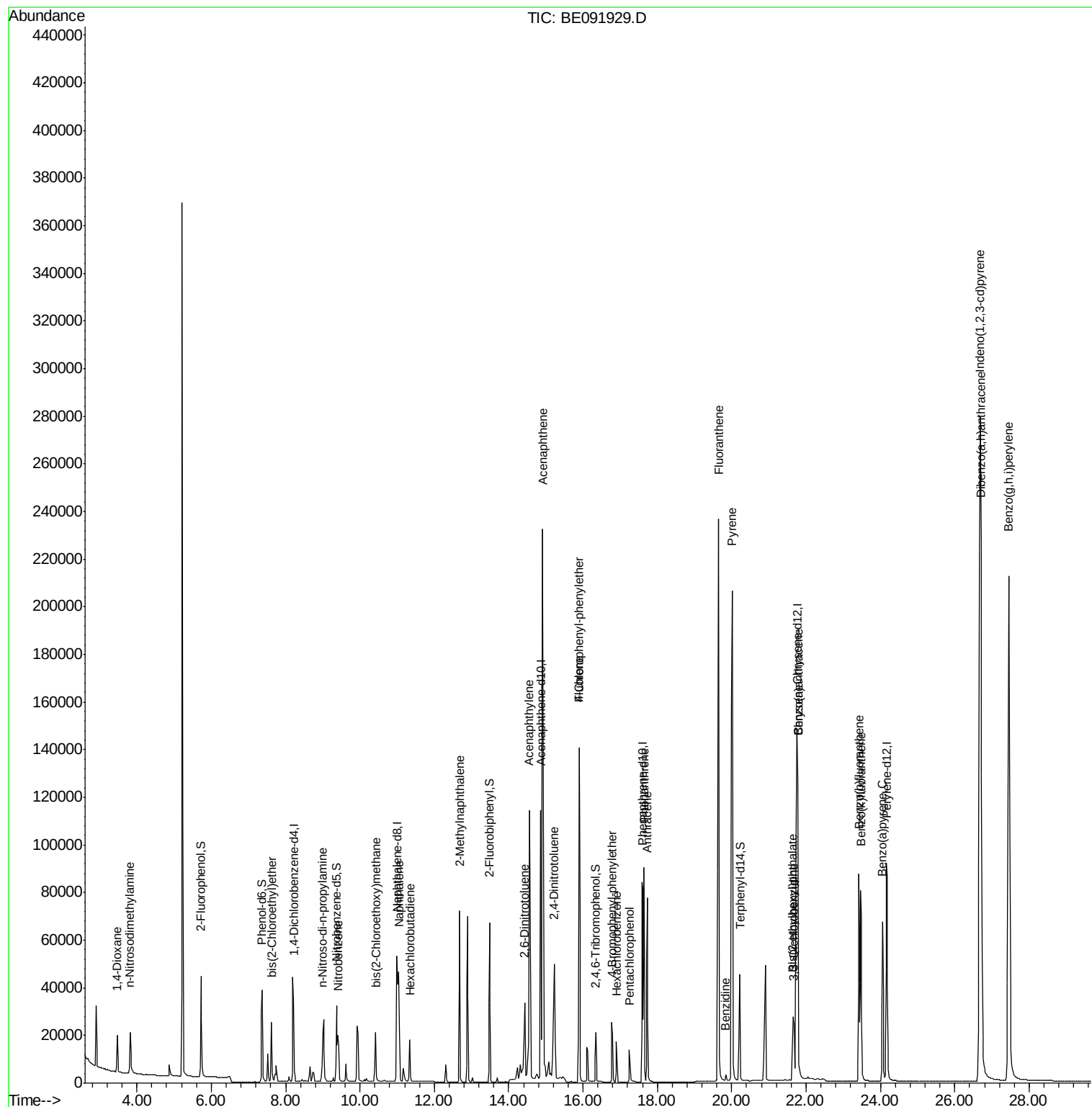
Quant Time: Jun 15 18:23:36 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 15 12:00:38 2016
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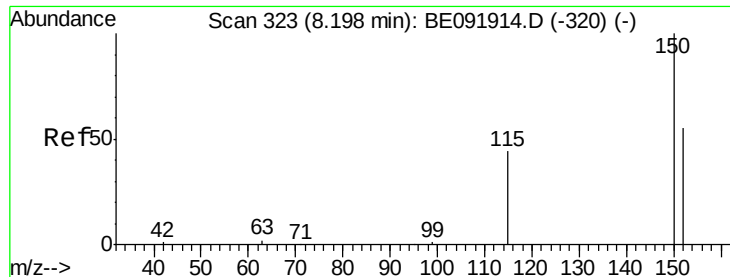
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.21 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

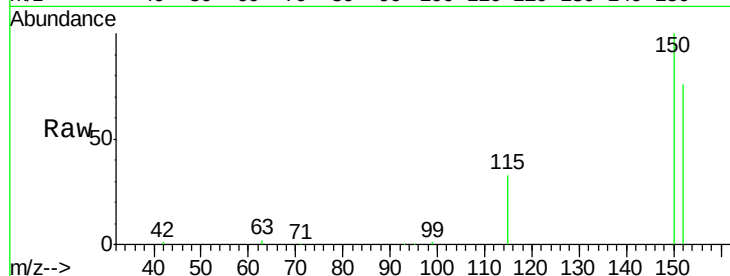
Tgt Ion:152 Resp: 26874

Ion Ratio Lower Upper

152 100

150 132.2 123.9 185.9

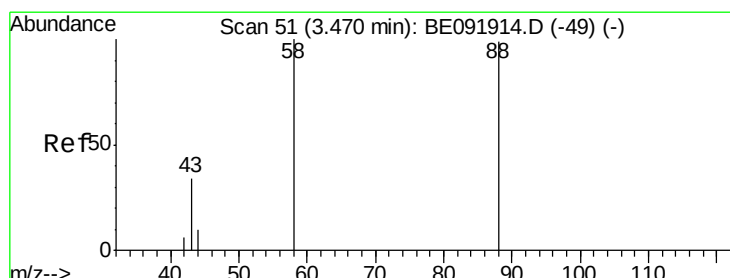
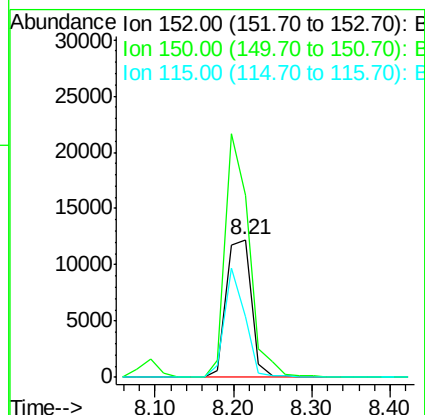
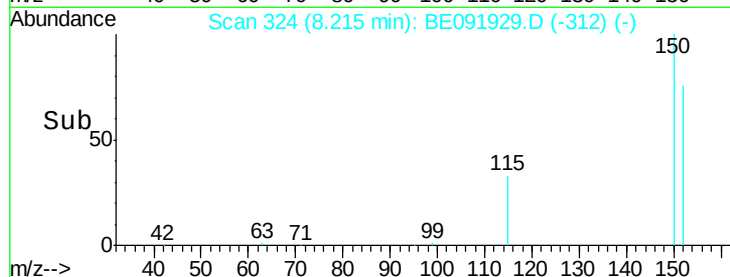
115 43.8 48.3 72.5#



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: 2.49 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

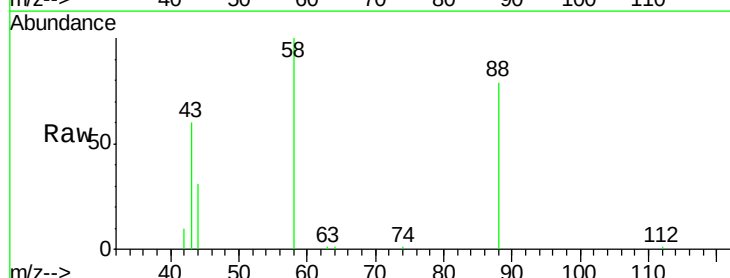
Tgt Ion: 88 Resp: 9440

Ion Ratio Lower Upper

88 100

58 91.7 63.0 94.4

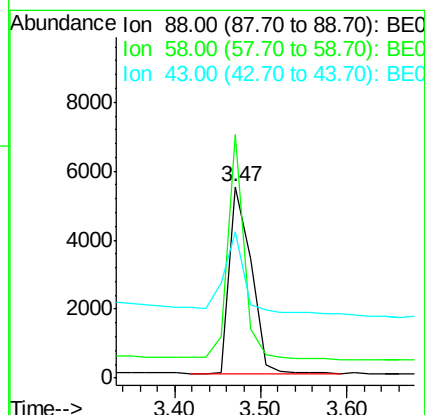
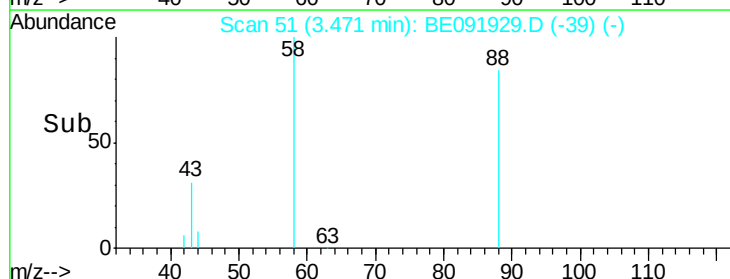
43 49.0 29.1 43.7#

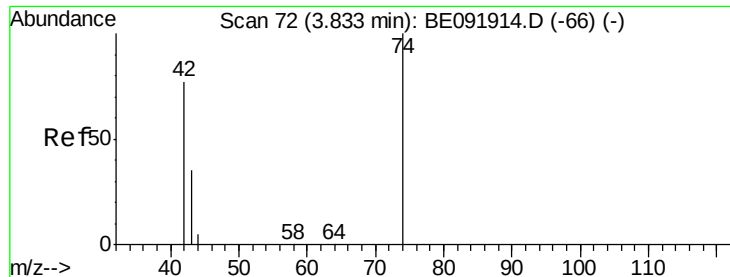


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.27 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

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PB91035BSD

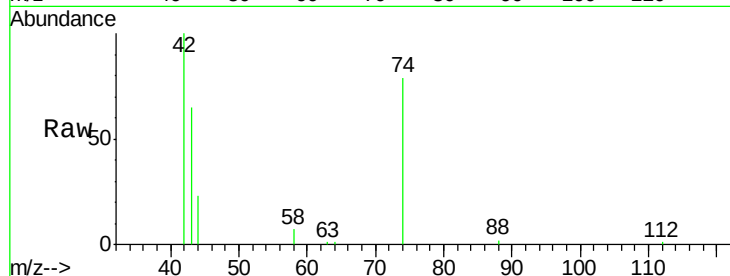
Tgt Ion: 42 Resp: 14070

Ion Ratio Lower Upper

42 100

74 108.7 93.4 140.0

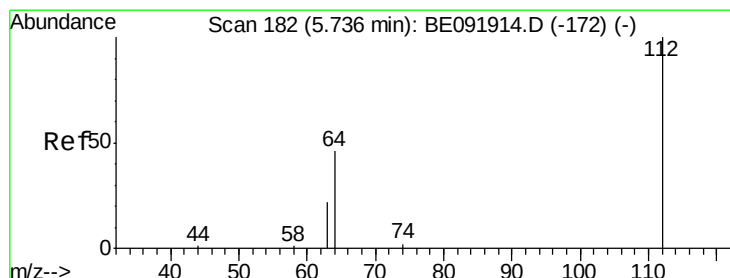
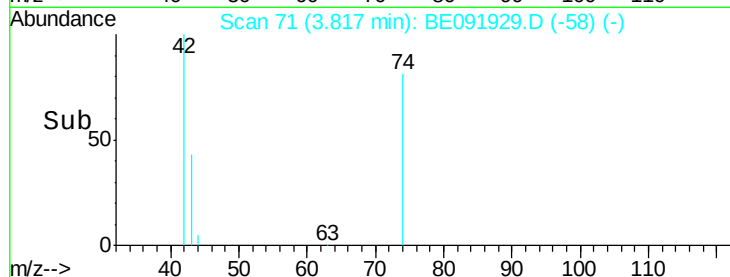
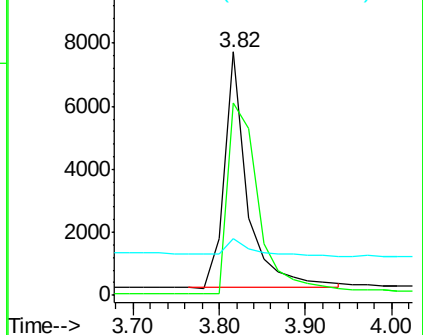
44 8.5 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 7.19 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

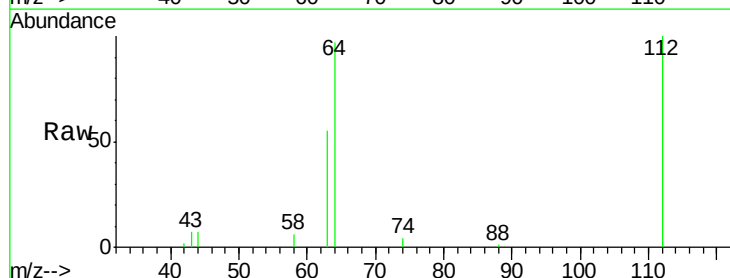
Tgt Ion: 112 Resp: 37788

Ion Ratio Lower Upper

112 100

64 69.0 53.7 80.5

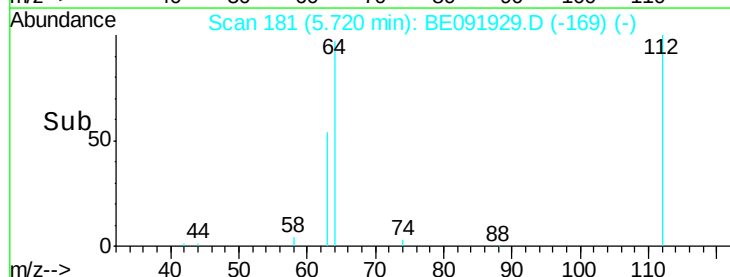
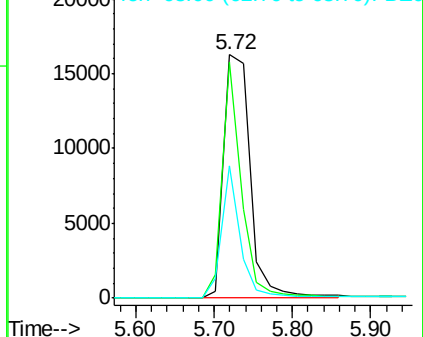
63 37.4 29.5 44.3

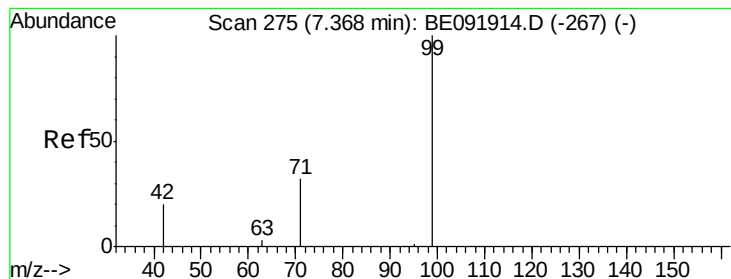


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.75 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

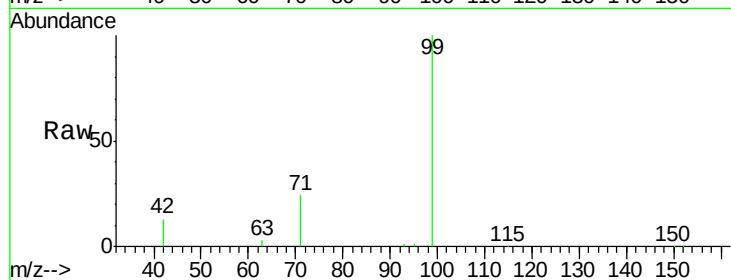
Tgt Ion: 99 Resp: 49290

Ion Ratio Lower Upper

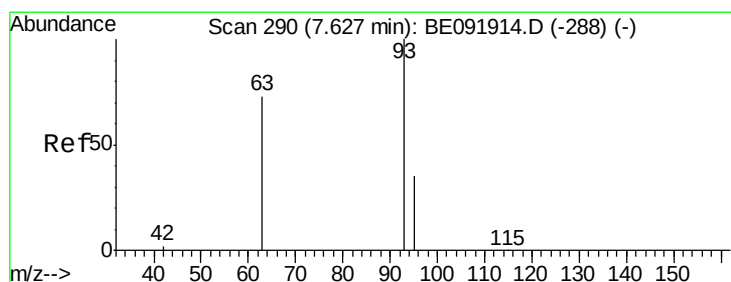
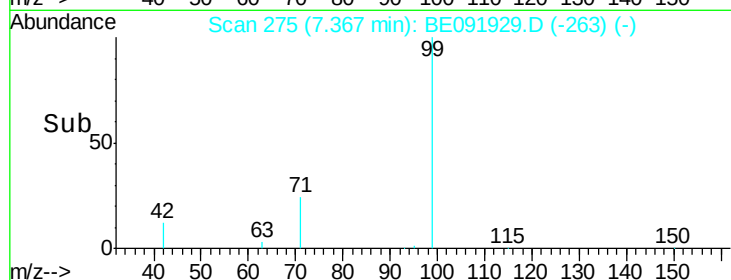
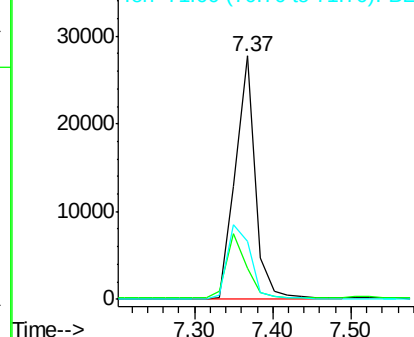
99 100

42 26.4 19.6 29.4

71 35.4 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: 3.29 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

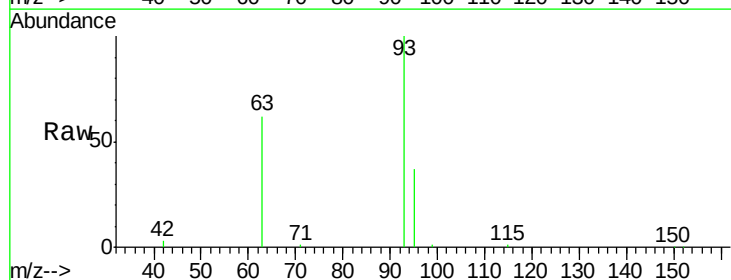
Tgt Ion: 93 Resp: 25300

Ion Ratio Lower Upper

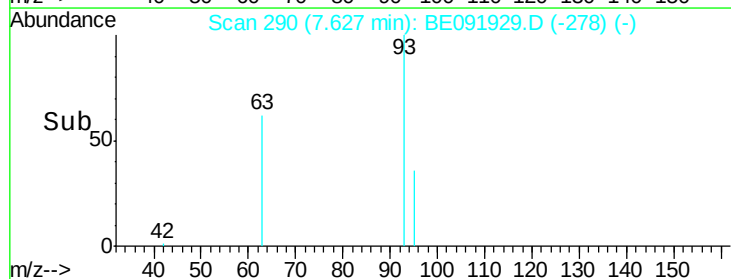
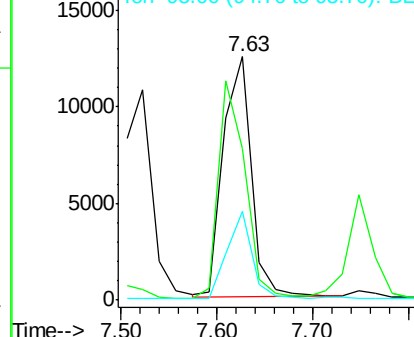
93 100

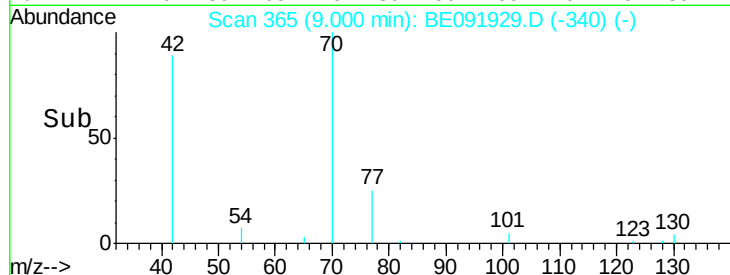
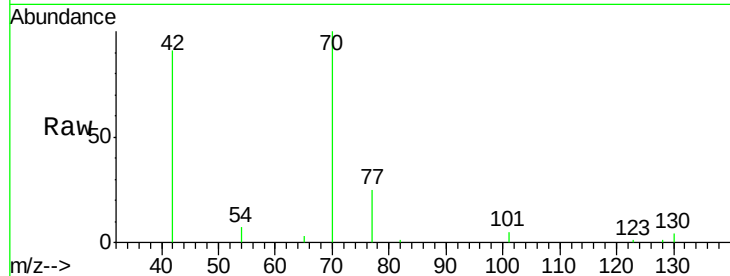
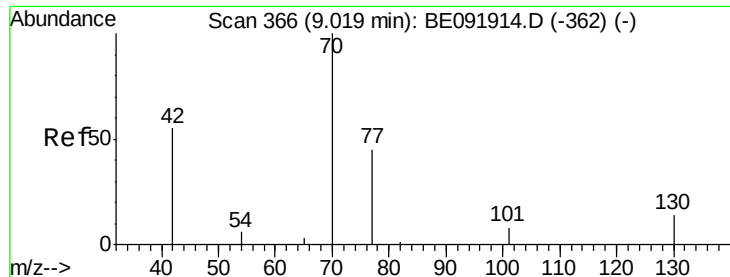
63 86.6 66.2 99.4

95 32.5 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: 2.70 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

Tgt Ion: 70 Resp: 19511

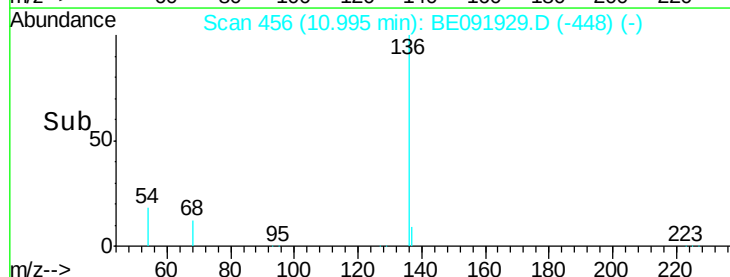
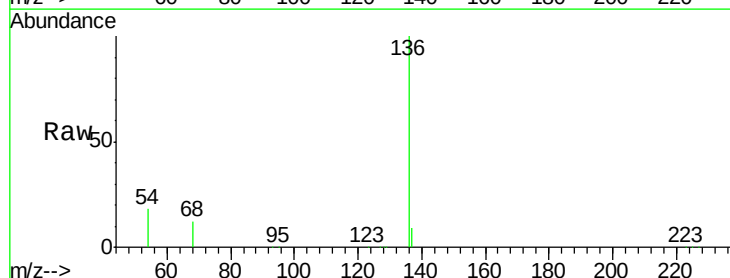
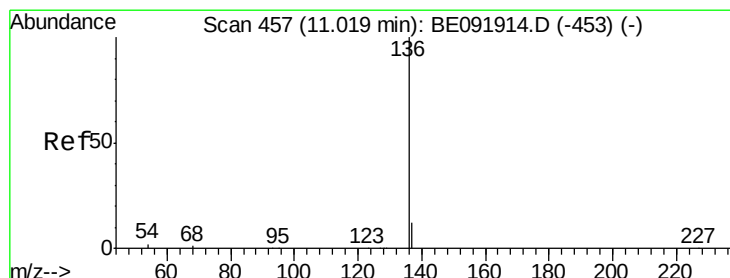
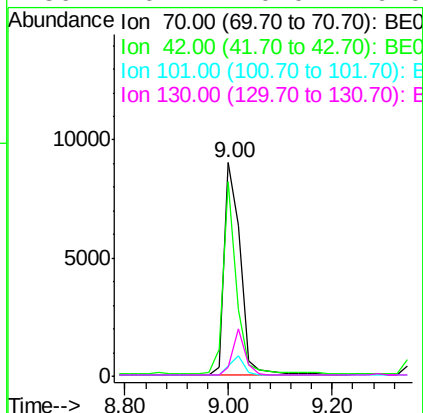
Ion Ratio Lower Upper

70 100

42 74.8 58.4 87.6

101 8.2 6.4 9.6

130 16.7 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: BE091929.D

Acq: 15 Jun 2016 17:45

Tgt Ion: 136 Resp: 110894

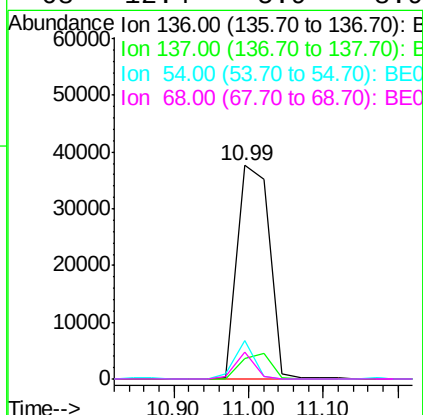
Ion Ratio Lower Upper

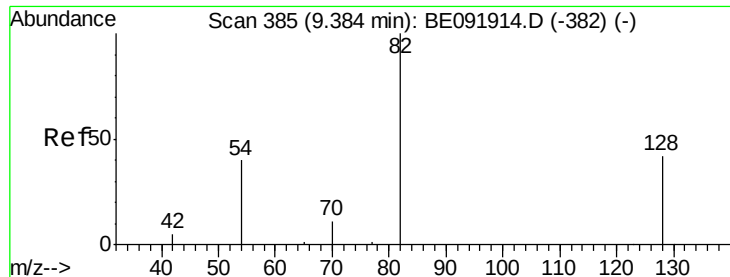
136 100

137 9.4 8.3 12.5

54 18.2 8.2 12.4#

68 12.4 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 3.70 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

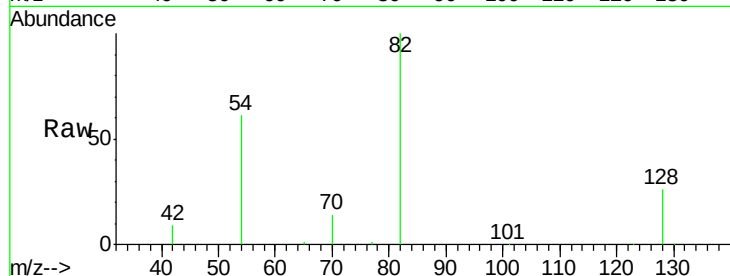
Tgt Ion: 82 Resp: 28355

Ion Ratio Lower Upper

82 100

128 26.2 39.5 59.3#

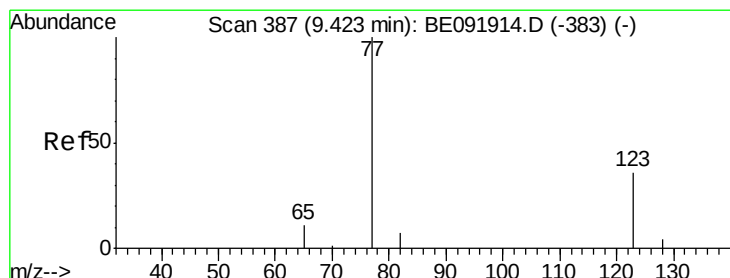
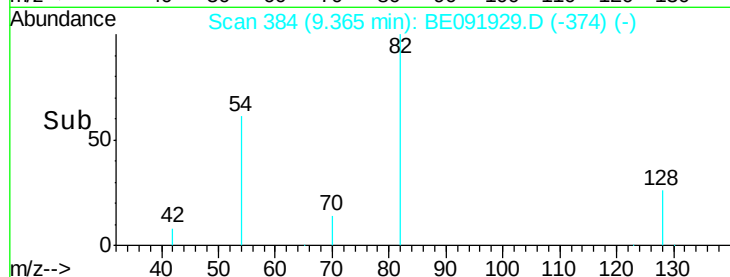
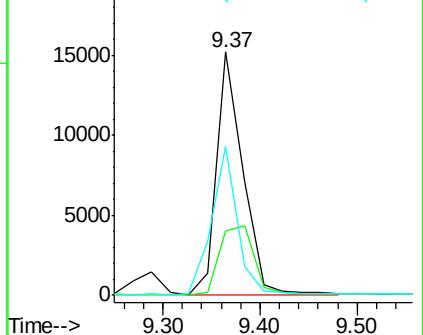
54 61.4 30.3 45.5#



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: 3.28 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

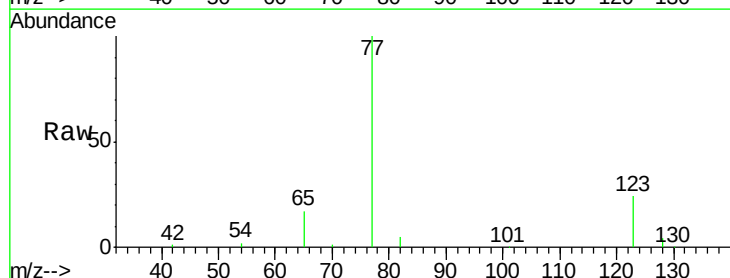
Tgt Ion: 77 Resp: 28422

Ion Ratio Lower Upper

77 100

123 38.4 0.0 0.0#

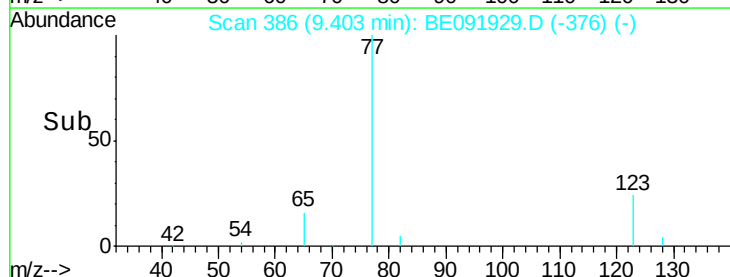
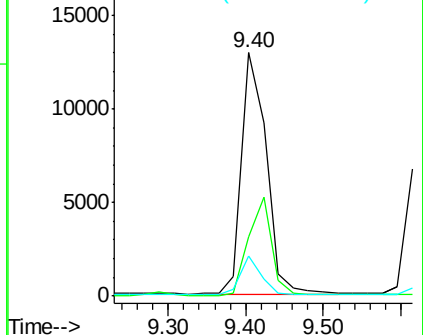
65 14.0 11.1 16.7

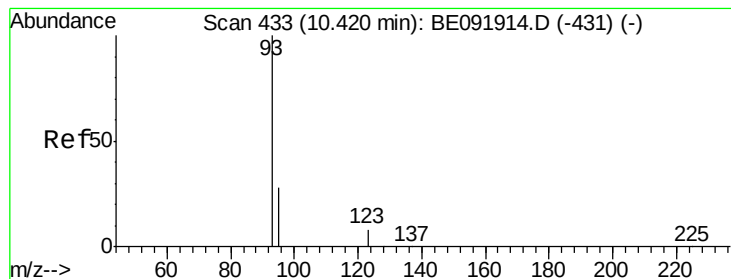


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 3.22 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

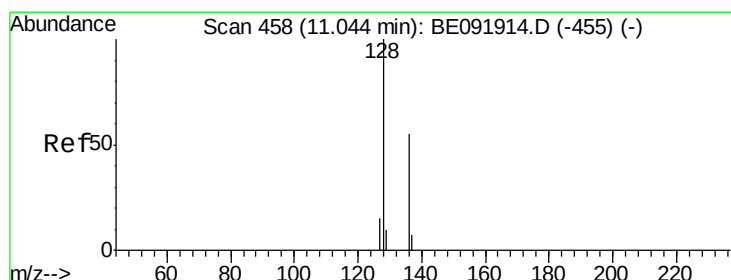
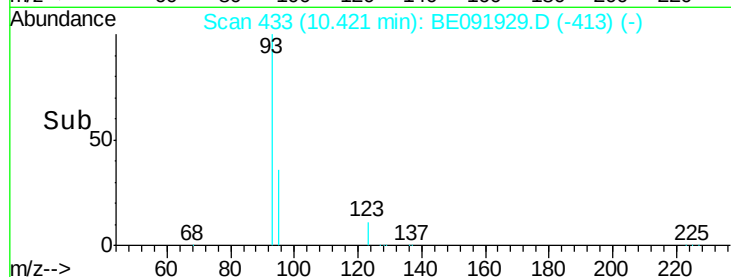
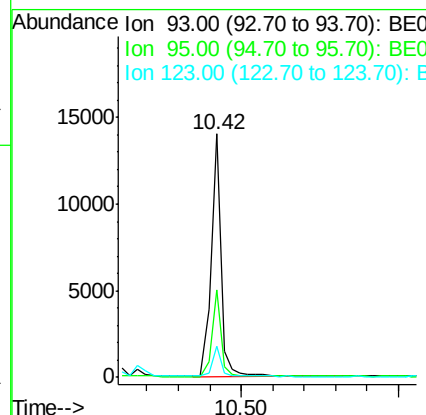
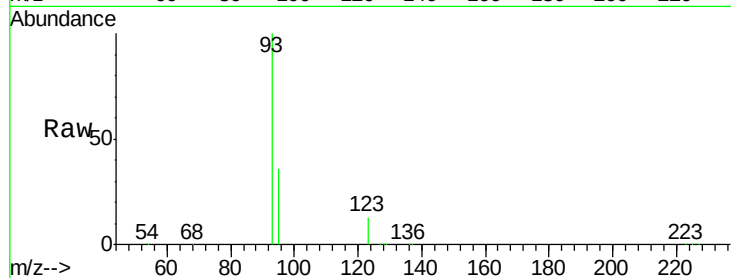
Tgt Ion: 93 Resp: 31203

Ion Ratio Lower Upper

93 100

95 32.9 57.6 86.4#

123 10.9 100.2 150.4#



#12

Naphthalene

Concen: 3.29 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

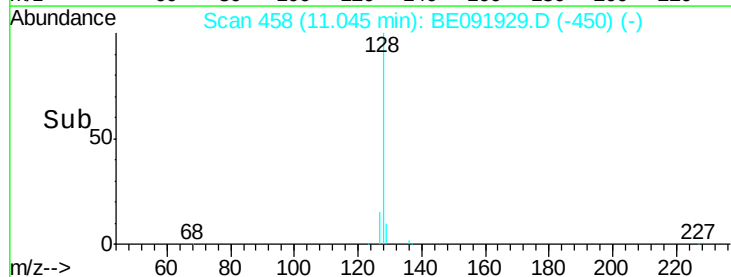
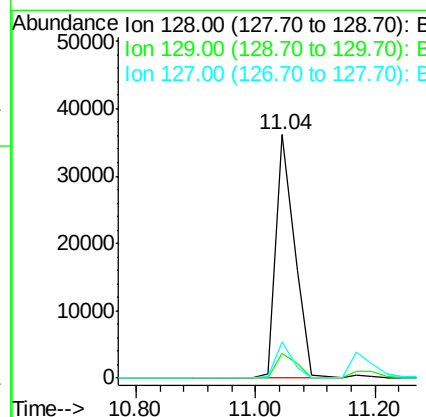
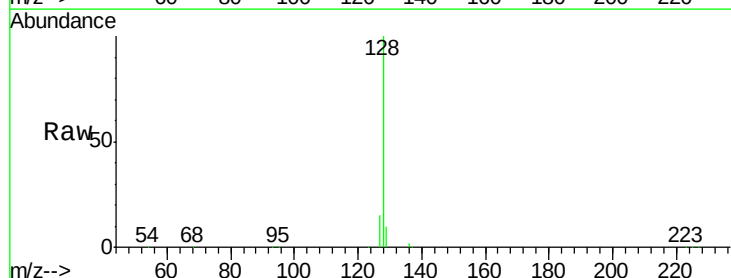
Tgt Ion: 128 Resp: 79758

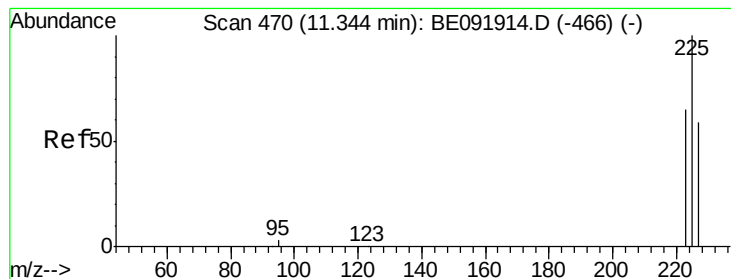
Ion Ratio Lower Upper

128 100

129 10.1 10.4 15.6#

127 14.8 10.2 15.2





#13

Hexachlorobutadiene

Concen: 3.37 ng

RT: 11.34 min Scan# 470

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

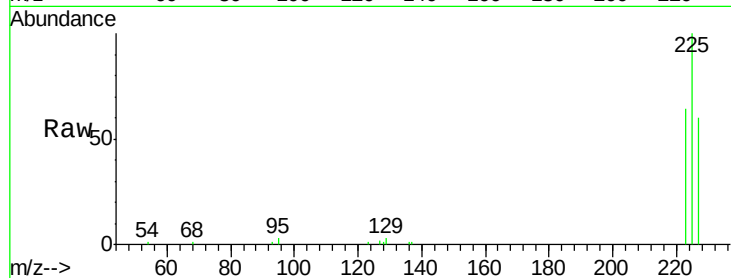
Tgt Ion:225 Resp: 13186

Ion Ratio Lower Upper

225 100

223 62.8 49.8 74.8

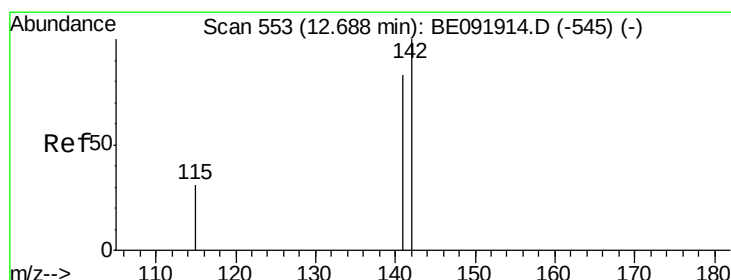
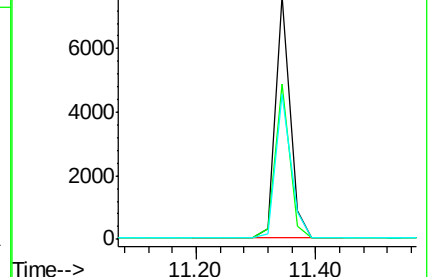
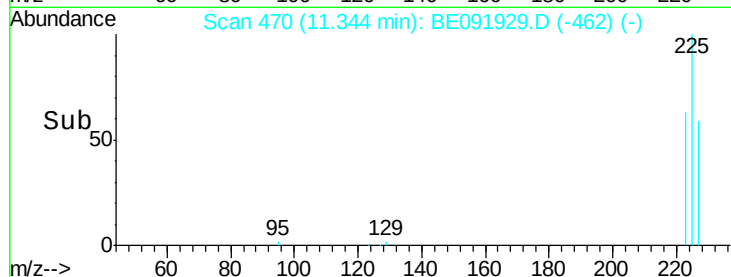
227 62.1 50.6 75.8



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: 3.27 ng

RT: 12.68 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

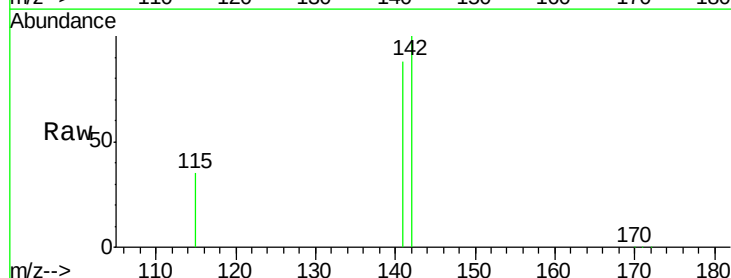
Tgt Ion:142 Resp: 53765

Ion Ratio Lower Upper

142 100

141 87.7 71.9 107.9

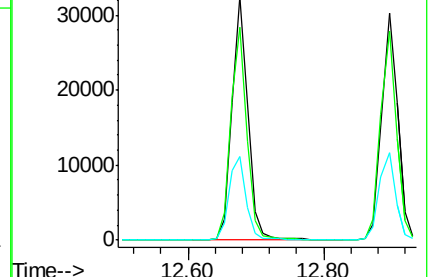
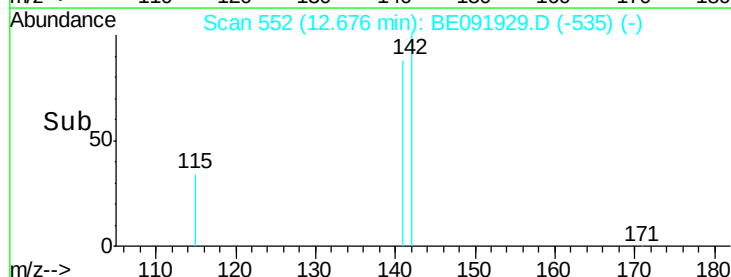
115 34.5 29.9 44.9

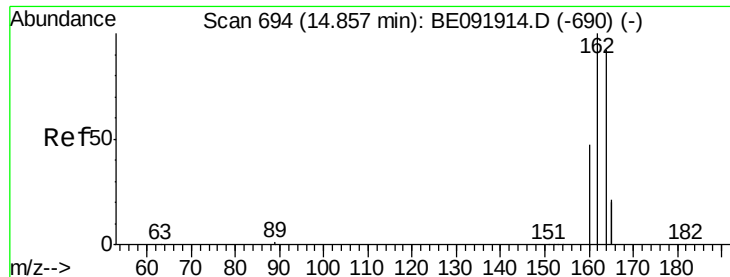


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

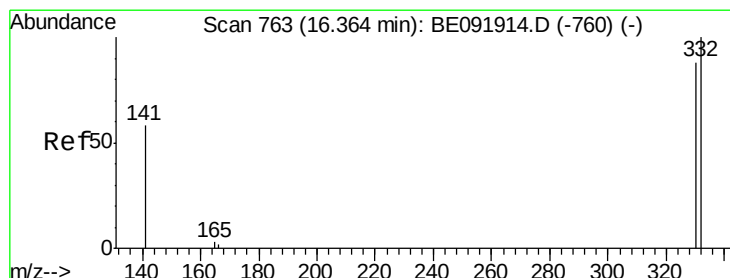
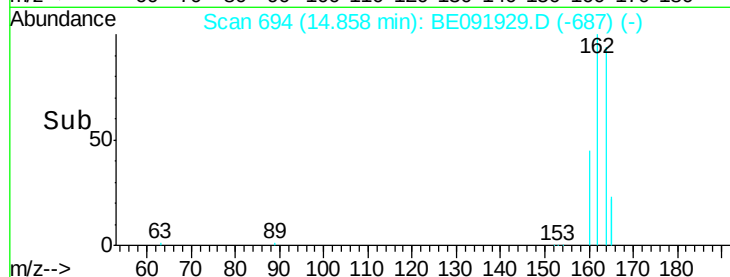
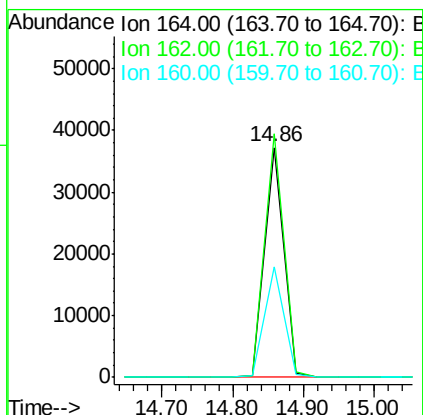
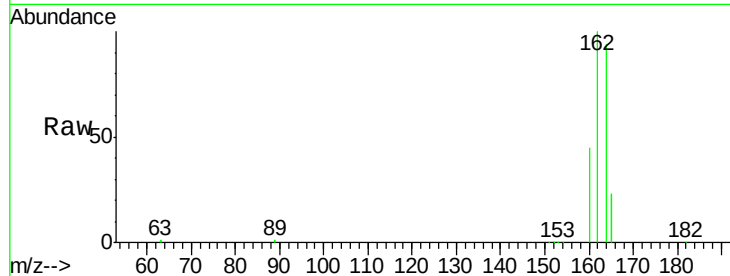




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BE091929.D
 Acq: 15 Jun 2016 17:45

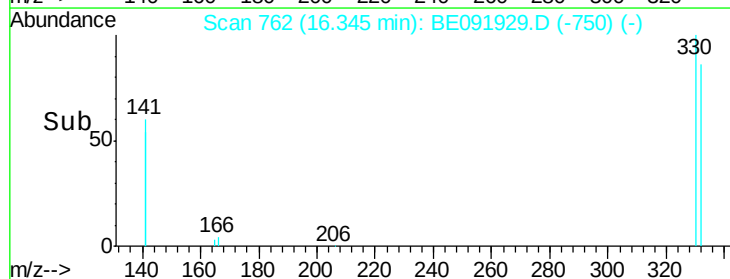
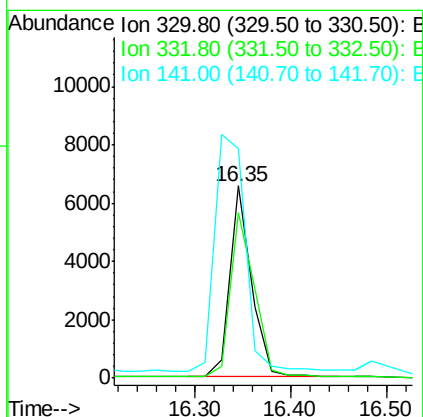
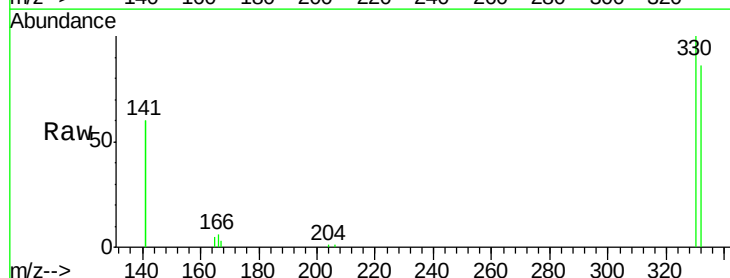
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

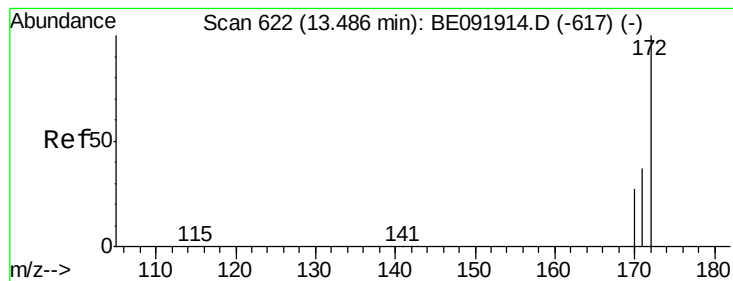
Tgt Ion:164 Resp: 69001
 Ion Ratio Lower Upper
 164 100
 162 105.9 71.8 107.8
 160 48.0 28.0 42.0#



#16
 2,4,6-Tribromophenol
 Concen: 5.76 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE091929.D
 Acq: 15 Jun 2016 17:45

Tgt Ion:330 Resp: 10298
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 171.8 138.4 207.6

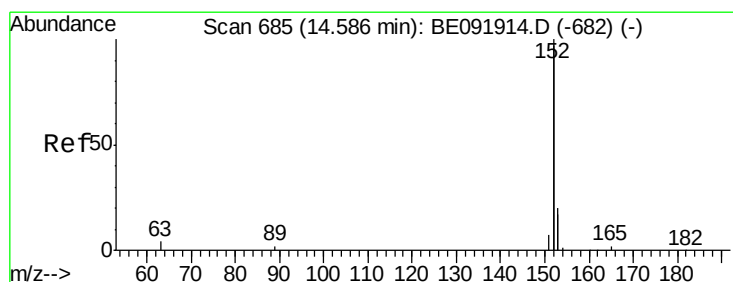
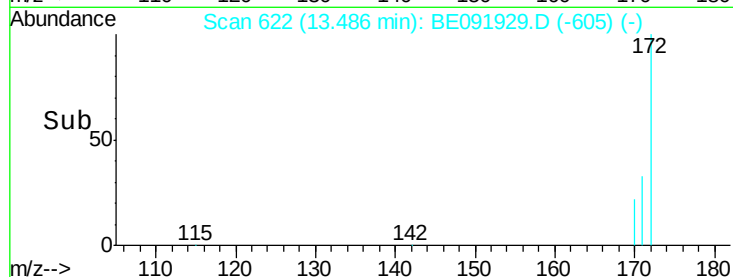
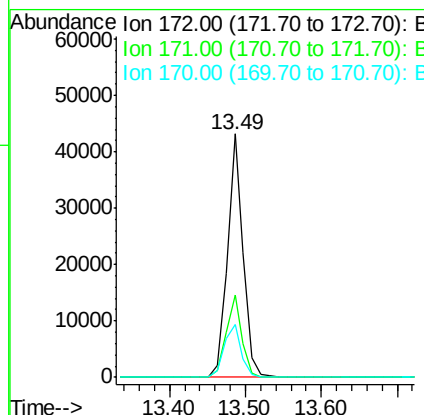
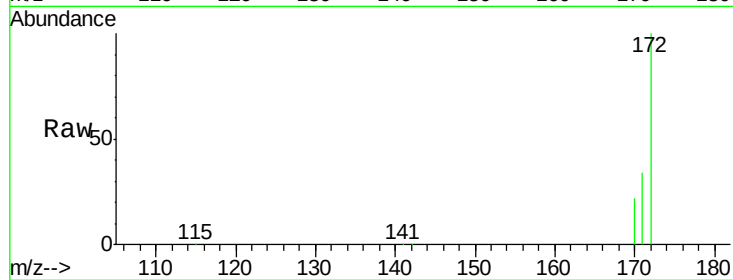




#17
2-Fluorobiphenyl
Concen: 3.57 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091929.D
Acq: 15 Jun 2016 17:45

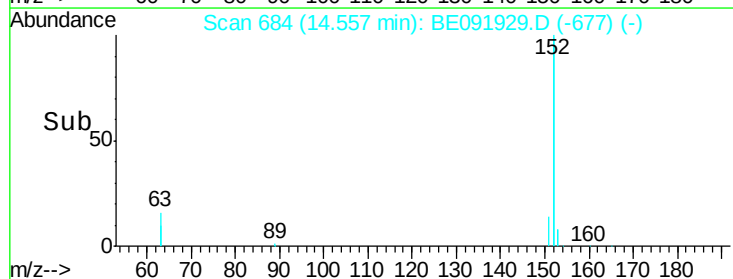
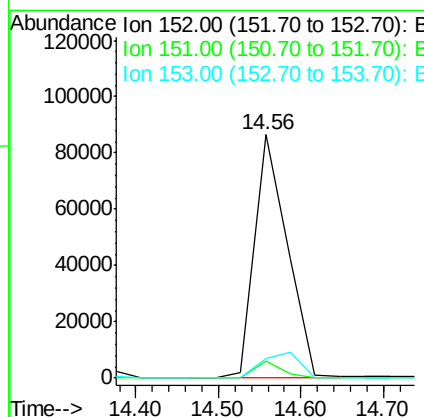
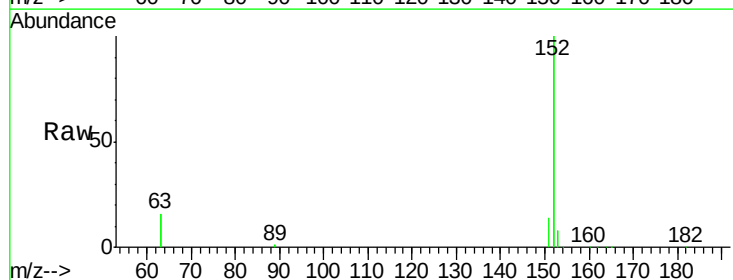
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

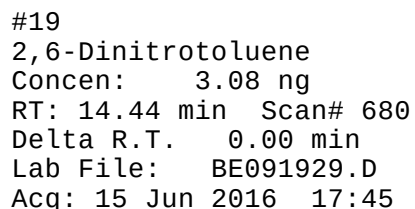
Tgt Ion:172 Resp: 62590
Ion Ratio Lower Upper
172 100
171 33.7 24.3 36.5
170 21.9 14.9 22.3



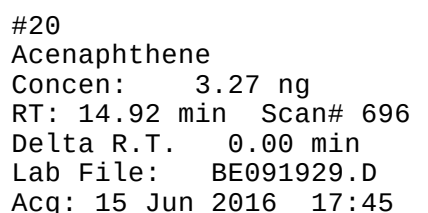
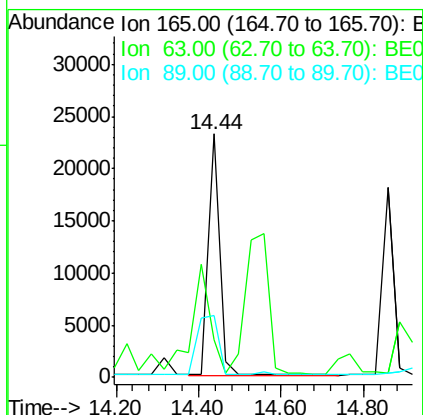
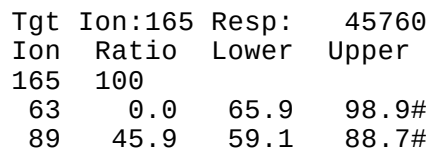
#18
Acenaphthylene
Concen: 3.39 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091929.D
Acq: 15 Jun 2016 17:45

Tgt Ion:152 Resp: 237514
Ion Ratio Lower Upper
152 100
151 5.6 19.4 29.2#
153 0.0 14.4 21.6#

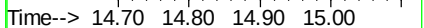
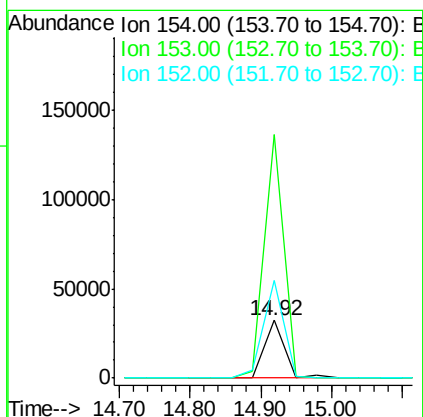


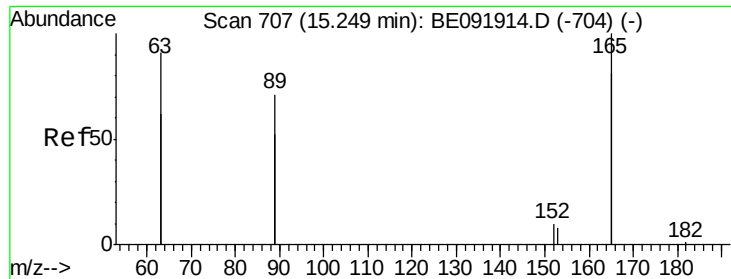


Instrument :
BNA_E
ClientSampleId :
PB91035BSD



Tgt	Ion:154	Resp:	63135
Ion	Ratio	Lower	Upper
154	100		
153	403.8	88.1	132.1#
152	171.7	44.2	66.2#

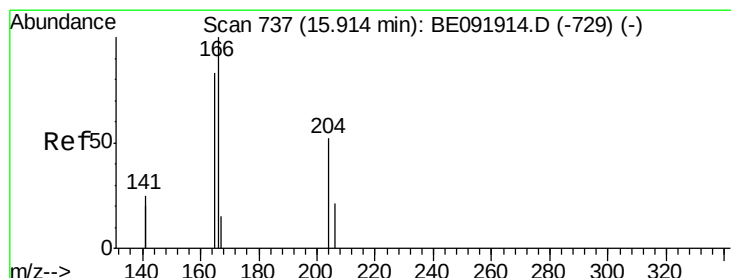
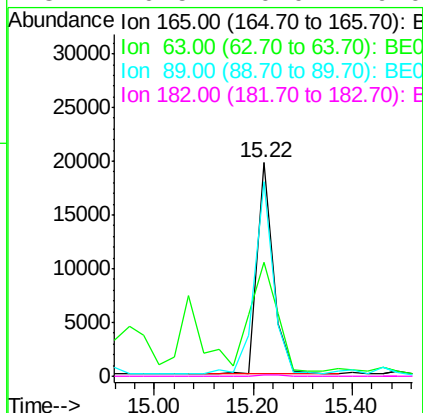
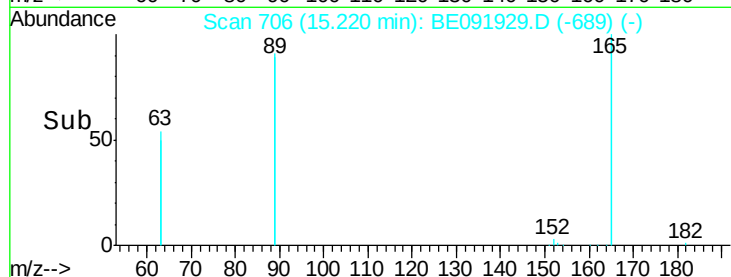
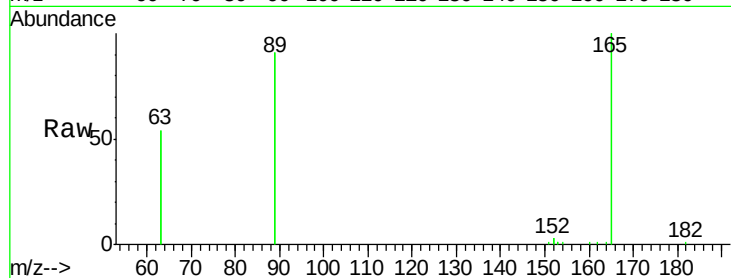




#21
2,4-Dinitrotoluene
Concen: 3.30 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091929.D
Acq: 15 Jun 2016 17:45

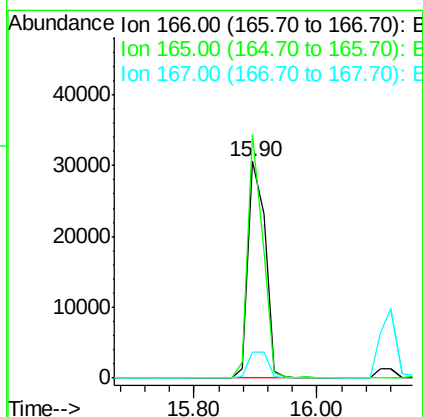
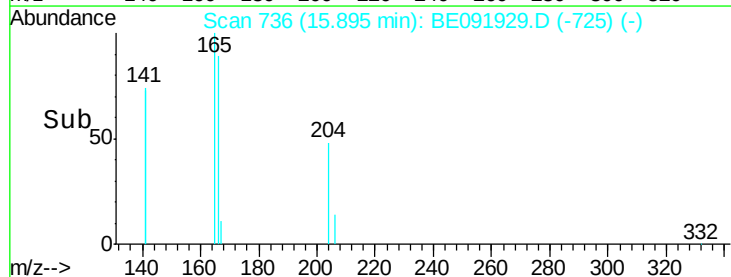
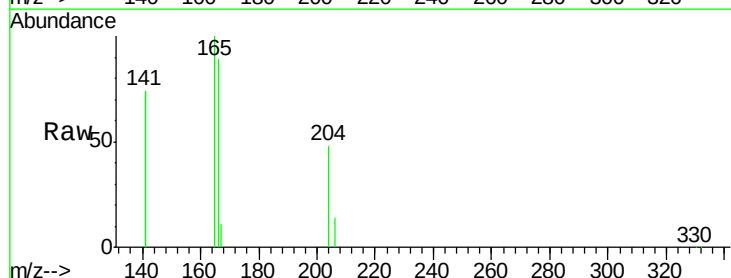
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

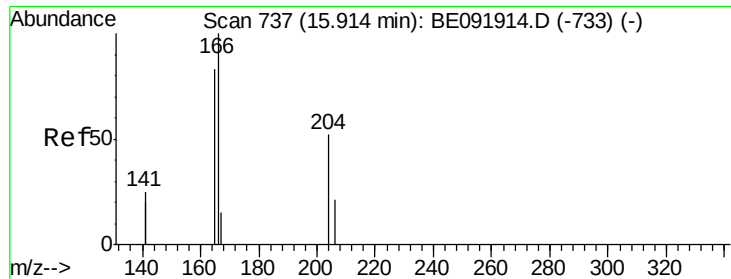
Tgt Ion:165 Resp: 45004
Ion Ratio Lower Upper
165 100
63 84.8 0.0 0.0#
89 107.7 99.8 149.8
182 0.5 0.0 0.0#



#22
Fluorene
Concen: 3.05 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091929.D
Acq: 15 Jun 2016 17:45

Tgt Ion:166 Resp: 58487
Ion Ratio Lower Upper
166 100
165 98.3 78.6 117.8
167 13.6 10.8 16.2

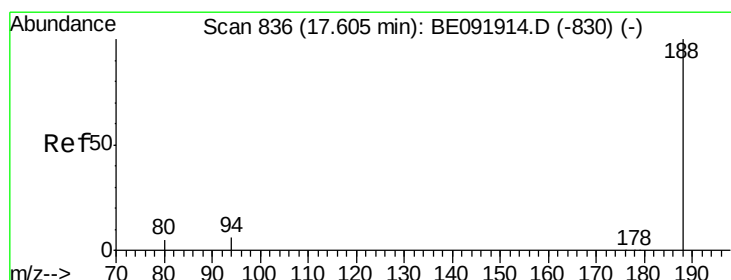
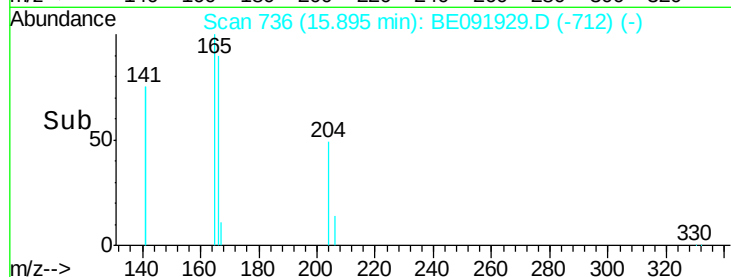
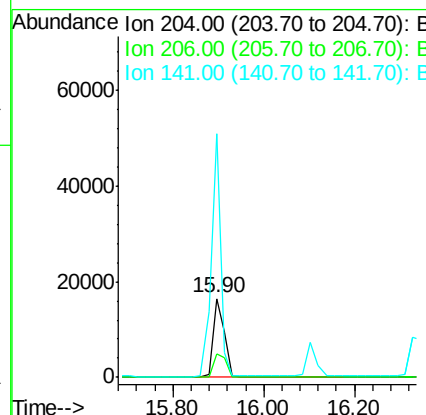
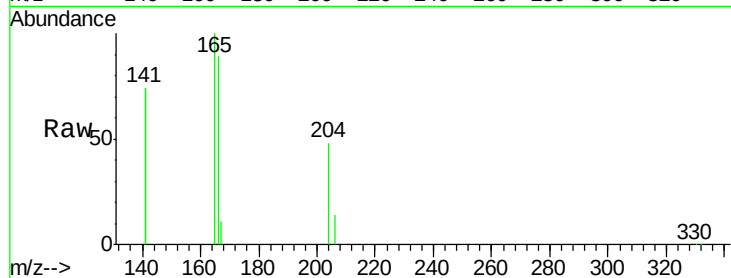




#23
4-Chlorophenyl-phenylether
Concen: 2.97 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091929.D
Acq: 15 Jun 2016 17:45

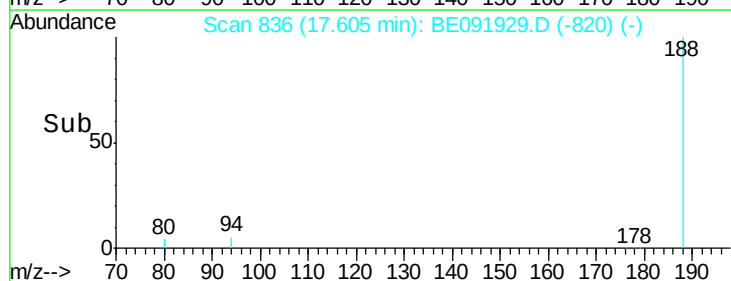
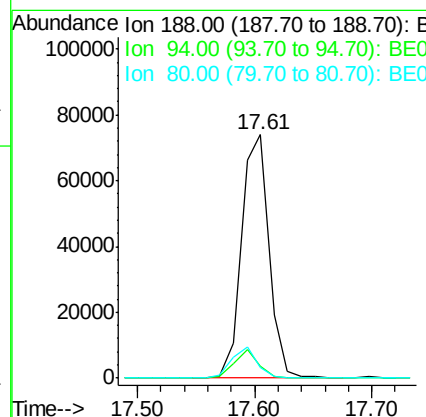
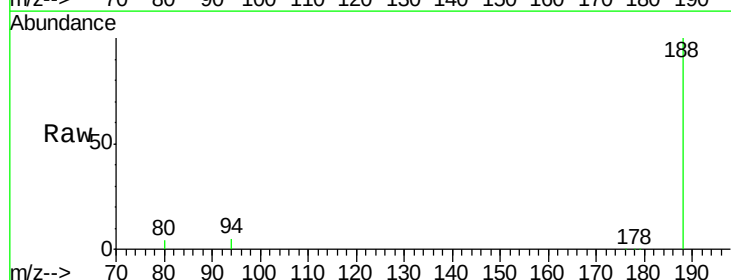
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

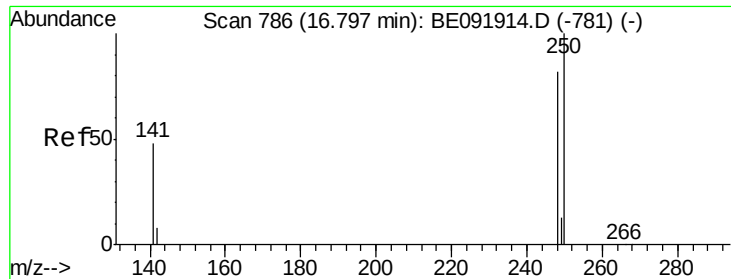
Tgt Ion:204 Resp: 28063
Ion Ratio Lower Upper
204 100
206 34.3 27.8 41.6
141 258.7 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091929.D
Acq: 15 Jun 2016 17:45

Tgt Ion:188 Resp: 120432
Ion Ratio Lower Upper
188 100
94 5.0 4.1 6.1
80 4.2 3.4 5.2





#25

4-Bromophenyl-phenylether

Concen: 3.46 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

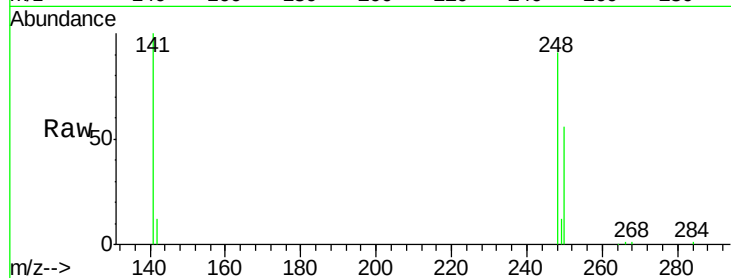
Tgt Ion:248 Resp: 16119

Ion Ratio Lower Upper

248 100

250 96.3 75.7 113.5

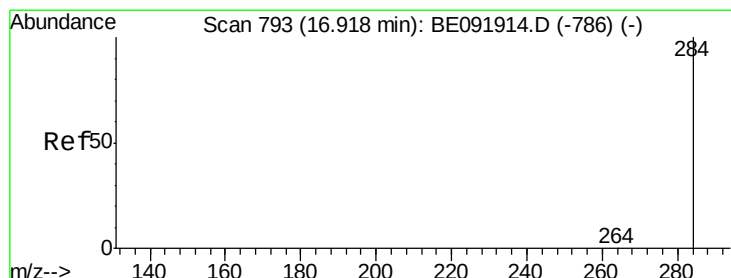
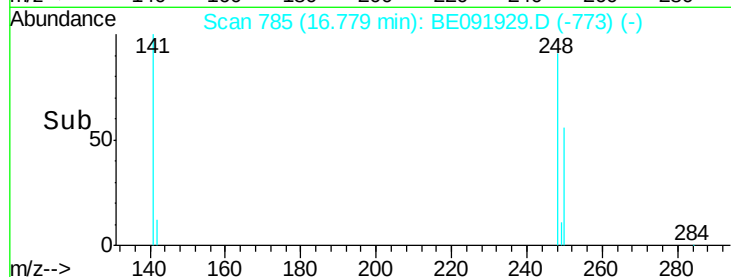
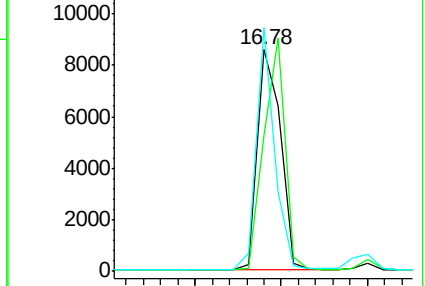
141 85.6 64.6 97.0



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: 3.36 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.02 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

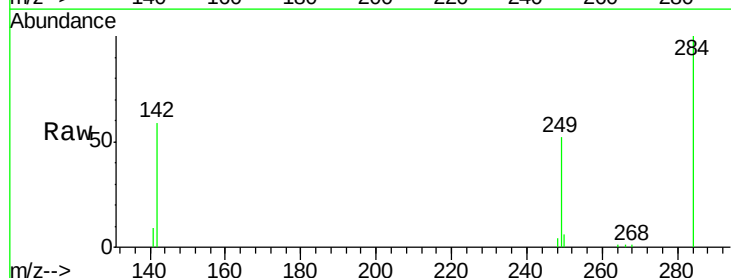
Tgt Ion:284 Resp: 16031

Ion Ratio Lower Upper

284 100

142 43.7 31.4 47.2

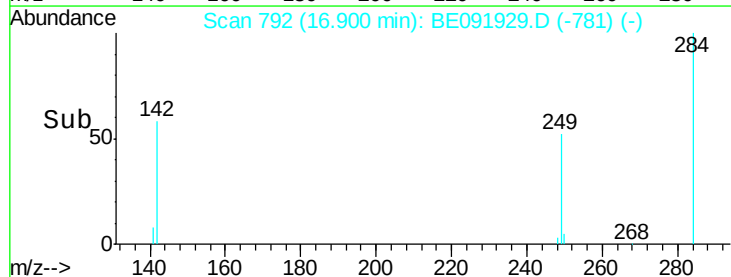
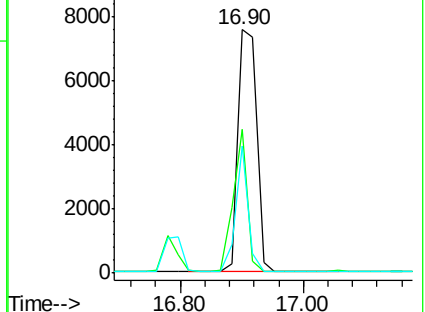
249 34.3 25.3 37.9

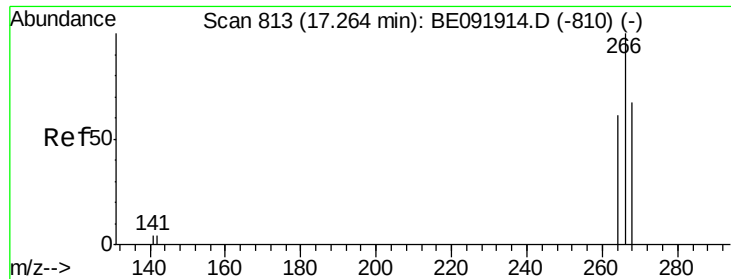


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

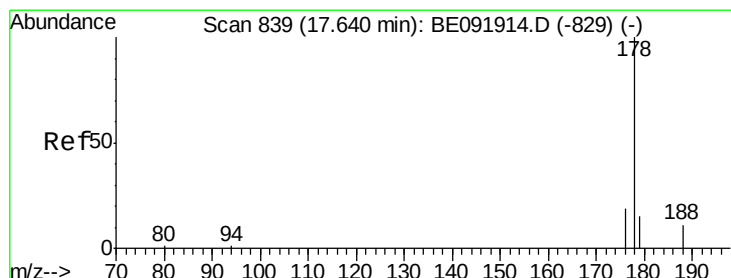
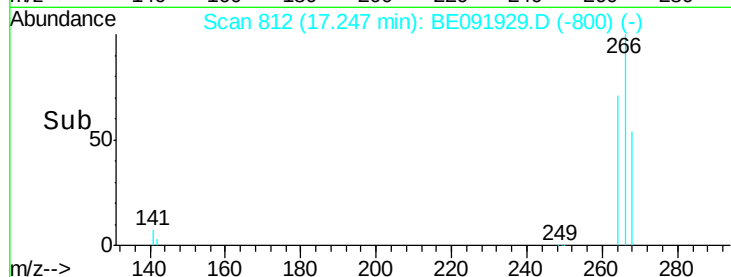
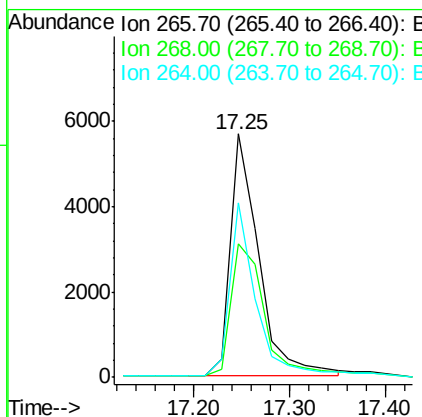
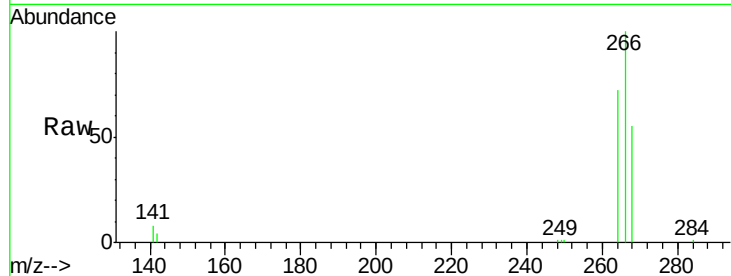




#27
 Pentachlorophenol
 Concen: 5.17 ng
 RT: 17.25 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BE091929.D
 Acq: 15 Jun 2016 17:45

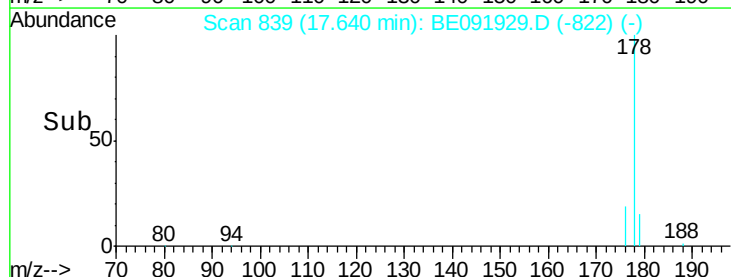
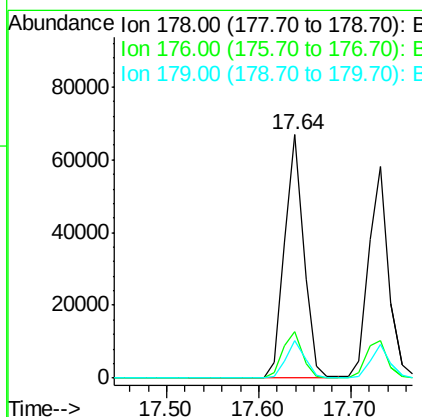
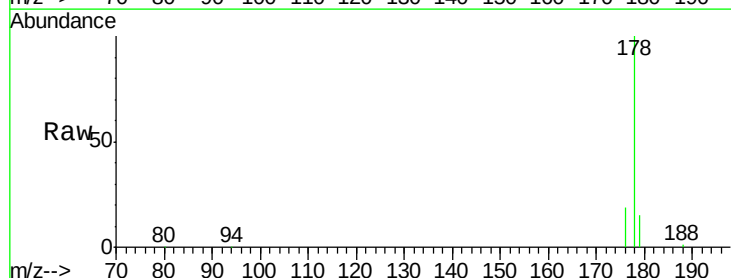
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

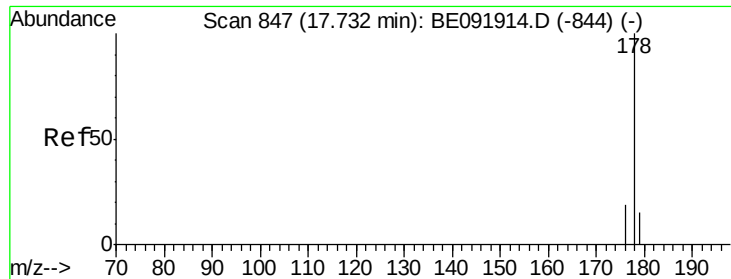
Tgt Ion: 266 Resp: 11605
 Ion Ratio Lower Upper
 266 100
 268 54.7 60.5 90.7#
 264 71.5 51.0 76.4



#28
 Phenanthrene
 Concen: 3.23 ng
 RT: 17.64 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BE091929.D
 Acq: 15 Jun 2016 17:45

Tgt Ion: 178 Resp: 97214
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.2
 179 15.5 12.9 19.3





#29

Anthracene

Concen: 3.34 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

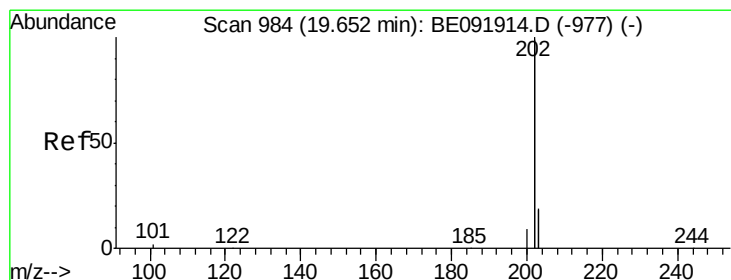
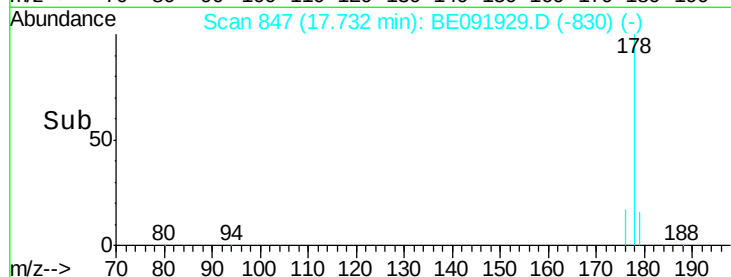
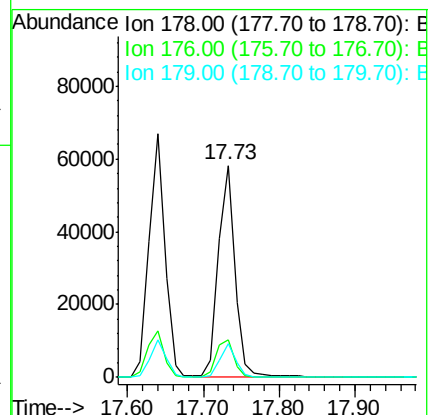
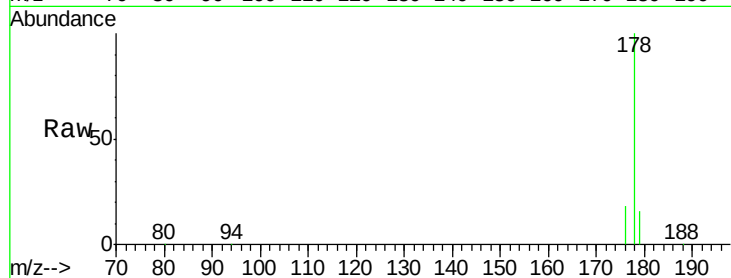
Tgt Ion:178 Resp: 88958

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.4 12.1 18.1



#30

Fluoranthene

Concen: 2.80 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

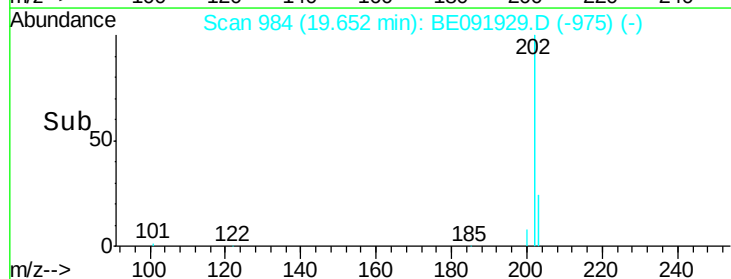
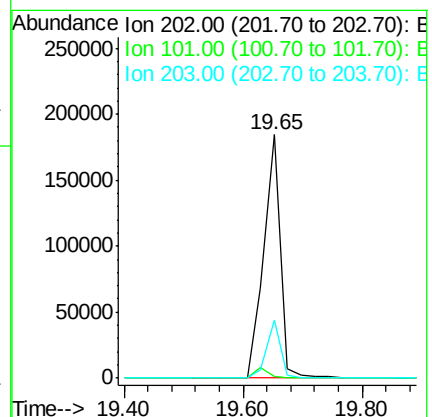
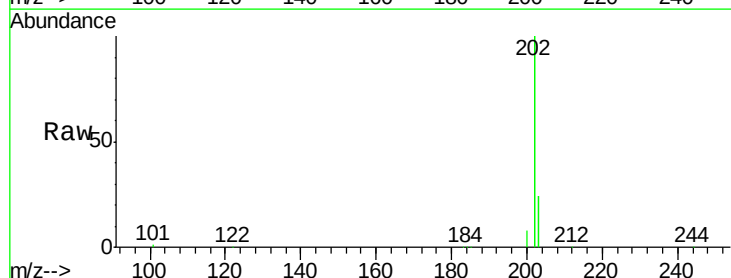
Tgt Ion:202 Resp: 361188

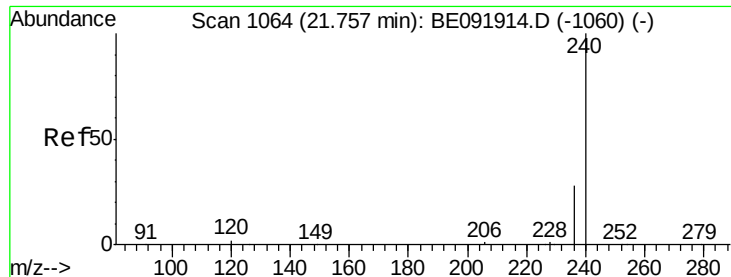
Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.9 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

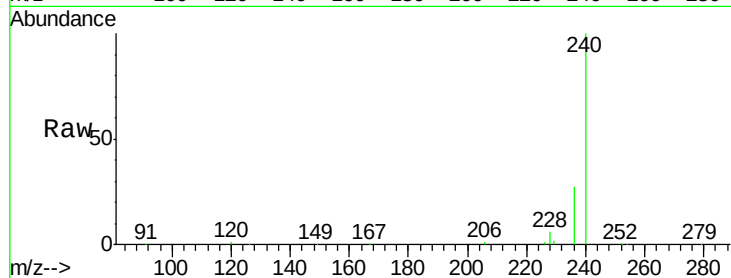
Tgt Ion:240 Resp: 190530

Ion Ratio Lower Upper

240 100

120 1.3 1.2 1.8

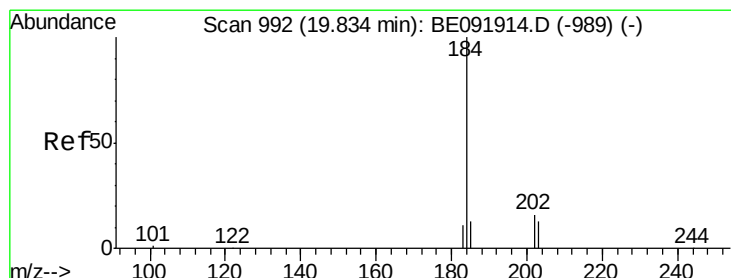
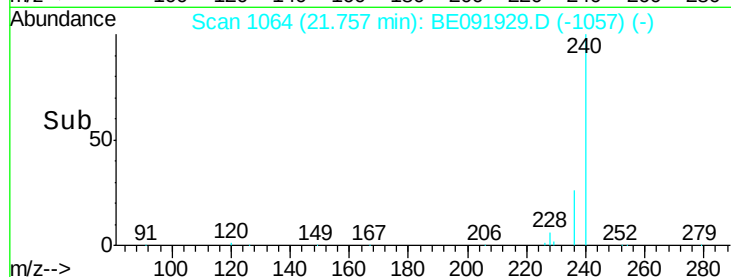
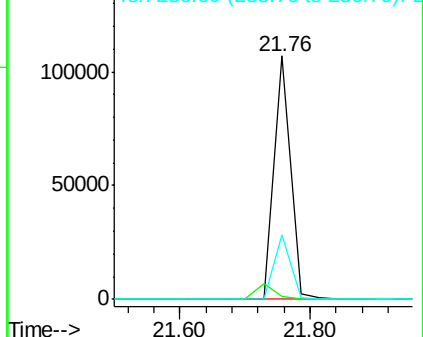
236 26.5 19.8 29.8



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: 0.77 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

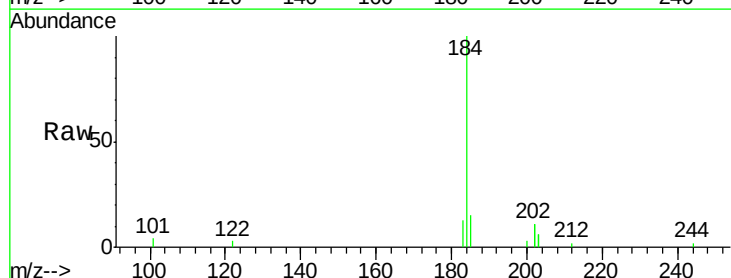
Tgt Ion:184 Resp: 5291

Ion Ratio Lower Upper

184 100

185 15.4 11.4 17.2

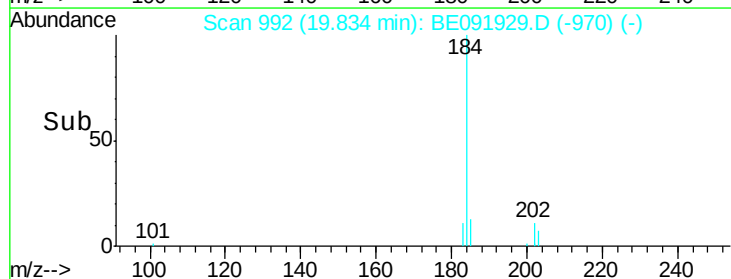
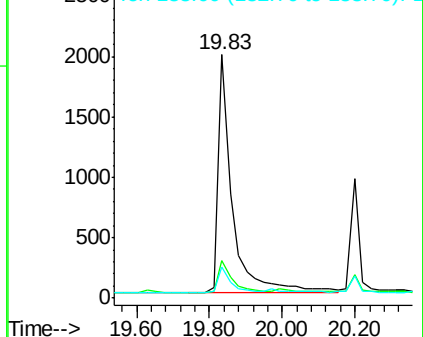
183 13.0 11.8 17.6

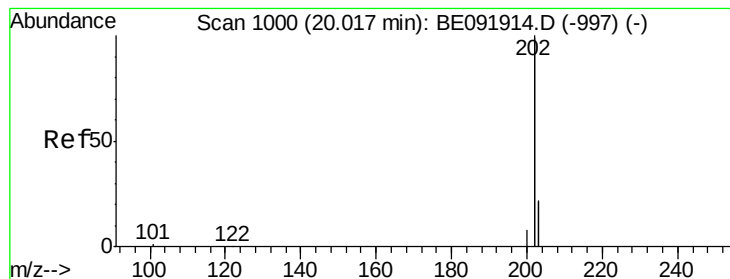


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.11 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

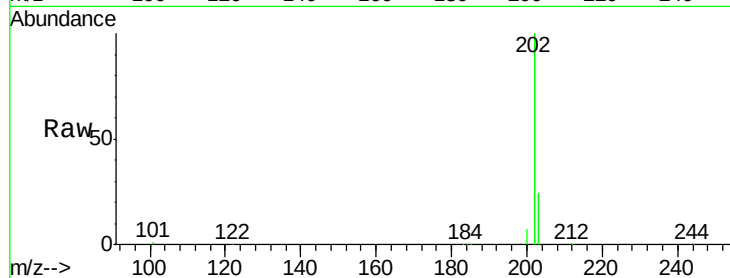
BNA_E

ClientSampleId :

PB91035BSD

Tgt Ion: 202 Resp: 403057

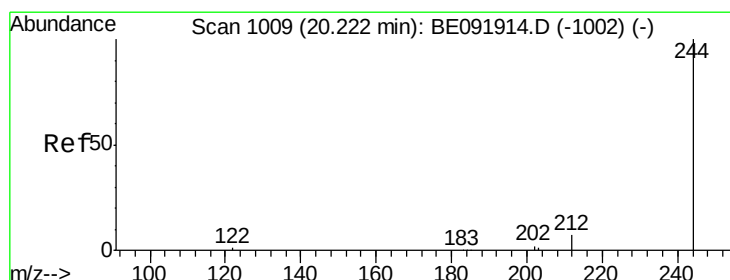
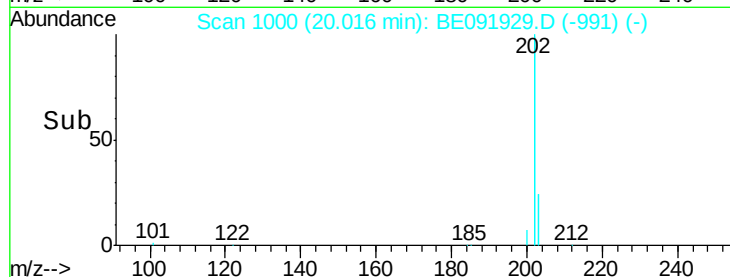
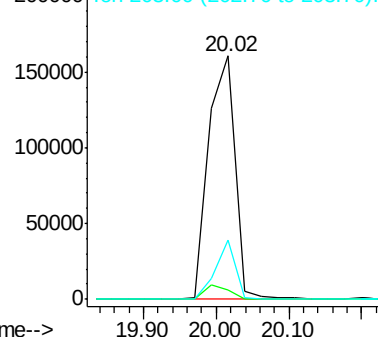
Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.9	25.3#
203	18.5	14.1	21.1



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: 2.85 ng

RT: 20.22 min Scan# 1009

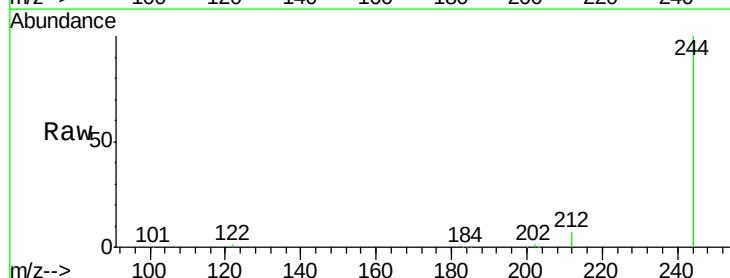
Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Tgt Ion: 244 Resp: 66438

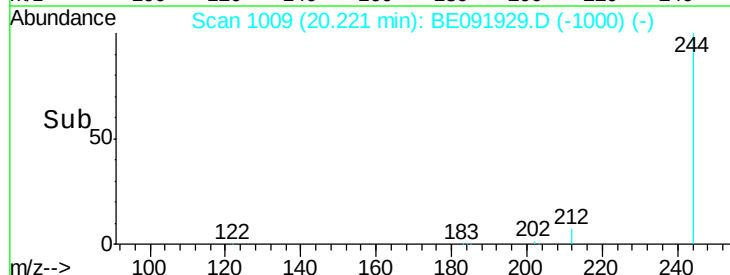
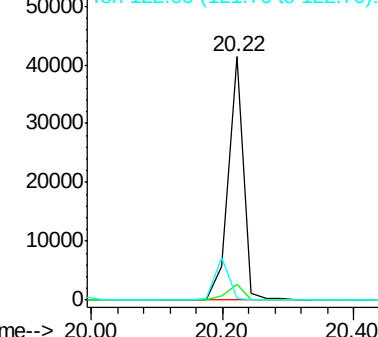
Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.5	9.7
122	0.7	2.9	4.3#

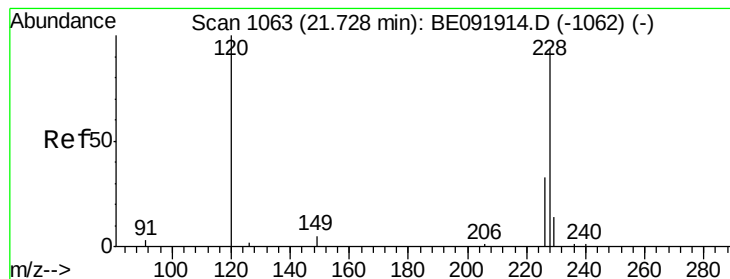


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 8.61 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

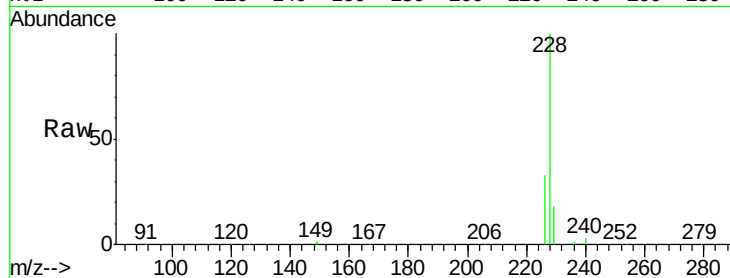
Tgt Ion:228 Resp: 257702

Ion Ratio Lower Upper

228 100

226 32.7 21.0 31.4#

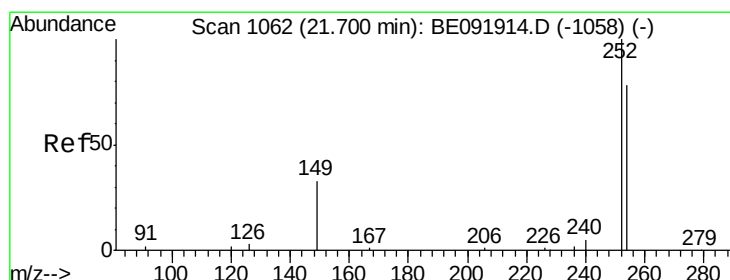
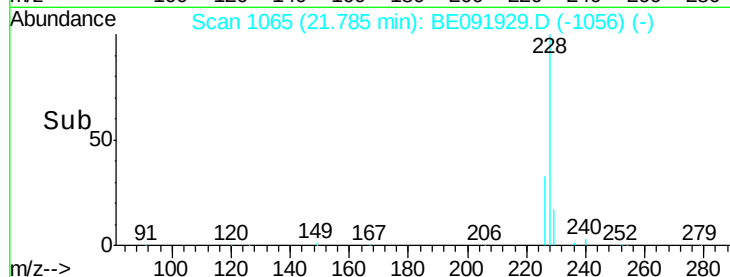
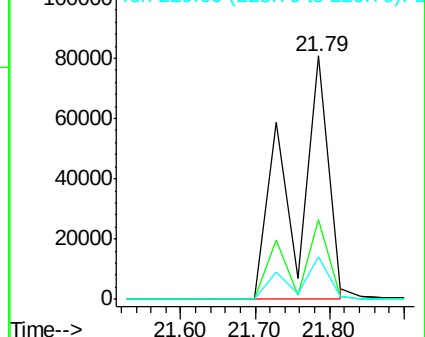
229 17.5 15.8 23.8



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: 1.94 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

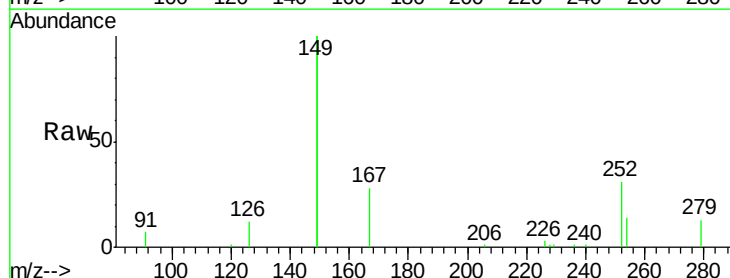
Tgt Ion:252 Resp: 9392

Ion Ratio Lower Upper

252 100

254 44.0 61.5 92.3#

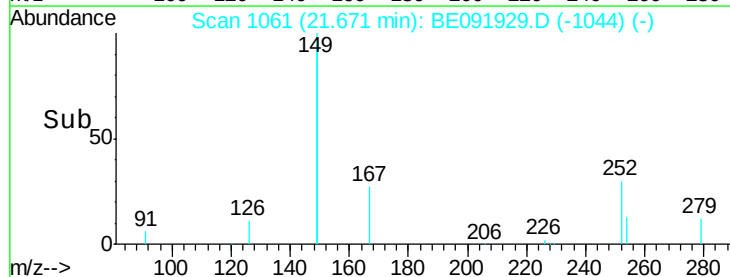
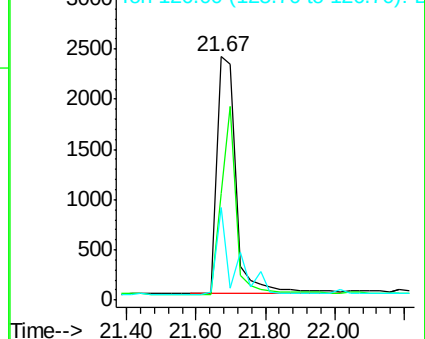
126 37.9 2.5 3.7#

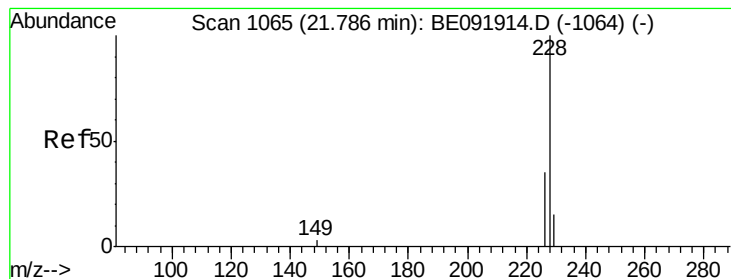


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 5.94 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

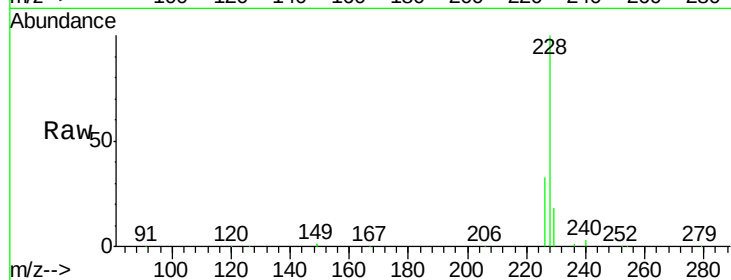
Tgt Ion:228 Resp: 259913

Ion Ratio Lower Upper

228 100

226 32.7 27.0 40.6

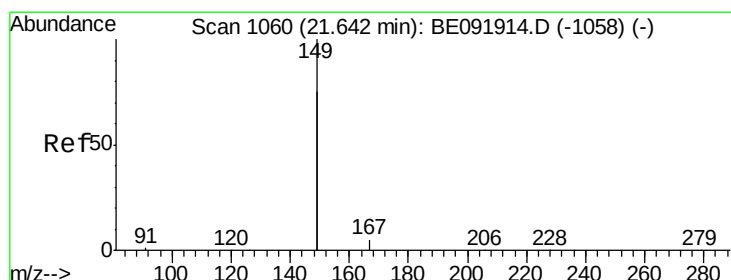
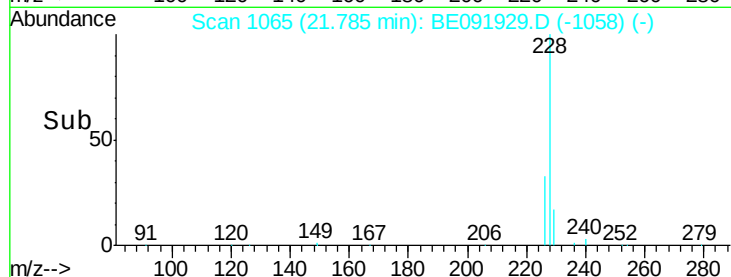
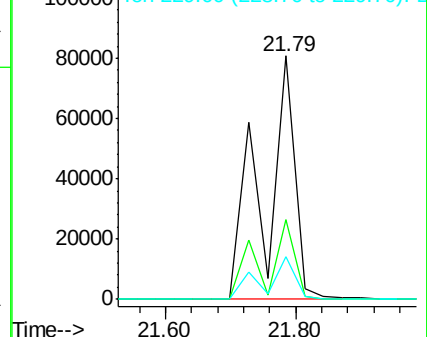
229 17.5 13.8 20.8



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: 3.04 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

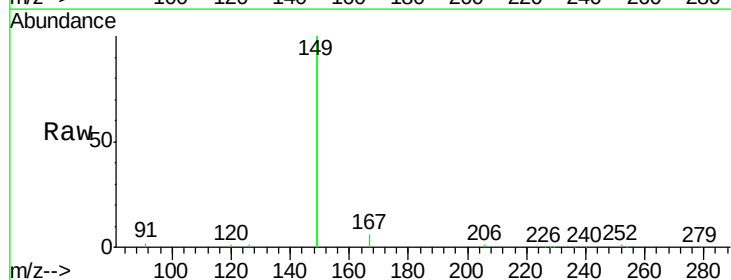
Tgt Ion:149 Resp: 73302

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

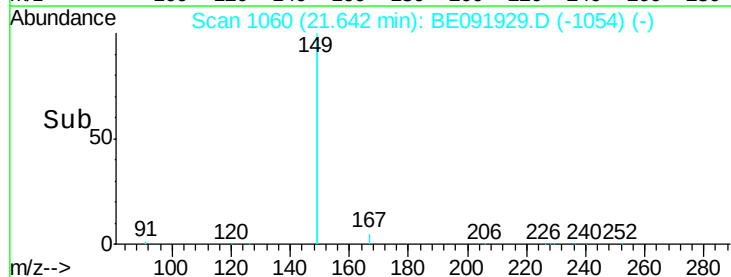
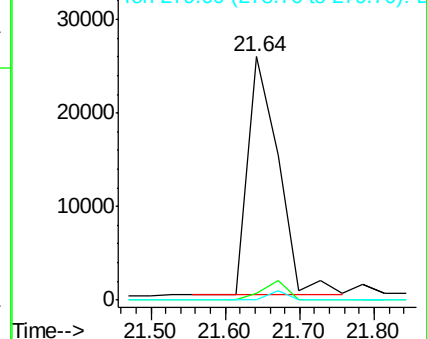
279 0.0 0.0 0.0

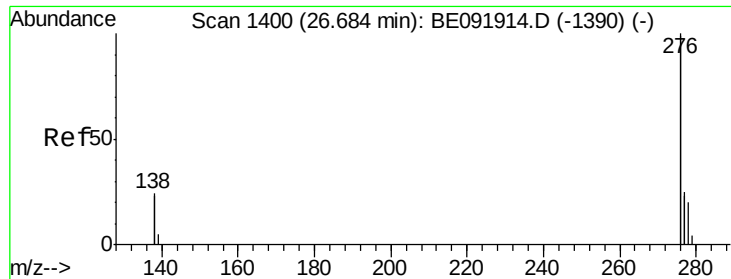


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.01 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

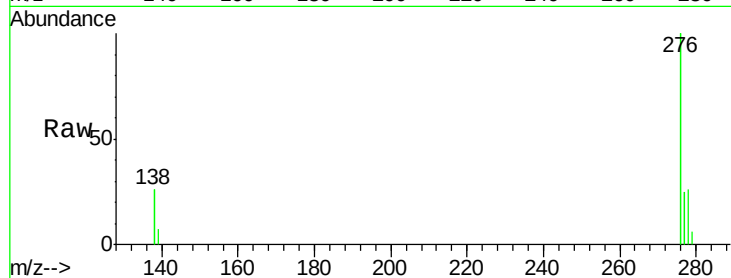
Tgt Ion: 276 Resp: 600079

Ion Ratio Lower Upper

276 100

138 27.0 19.7 29.5

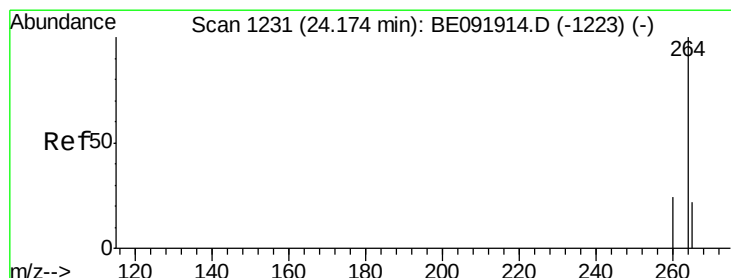
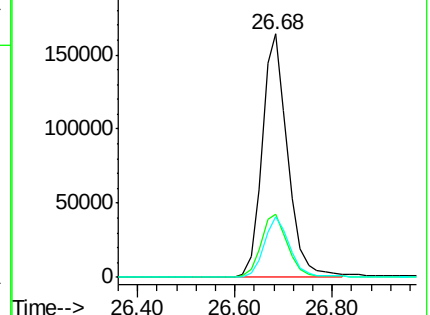
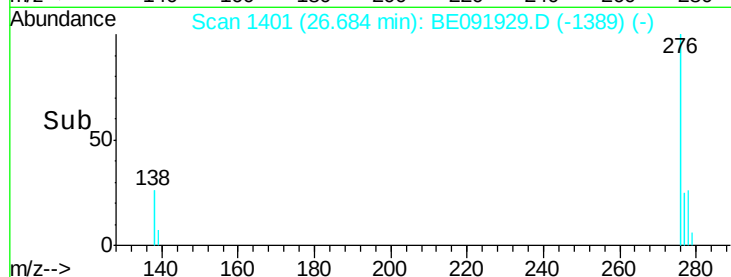
277 24.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

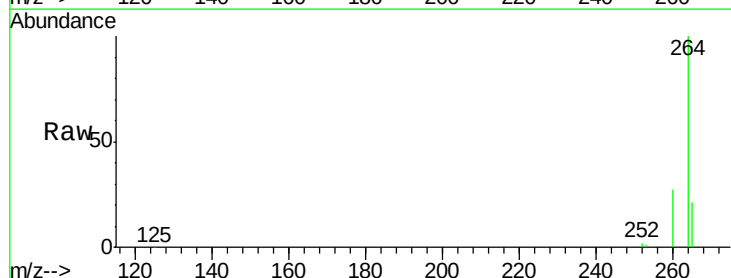
Tgt Ion: 264 Resp: 141062

Ion Ratio Lower Upper

264 100

260 26.7 20.3 30.5

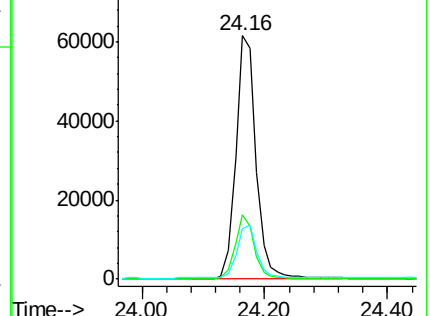
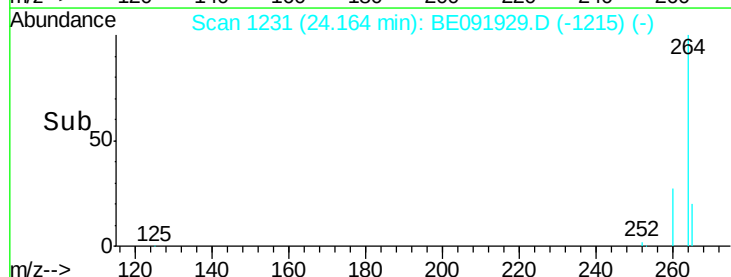
265 20.8 17.6 26.4

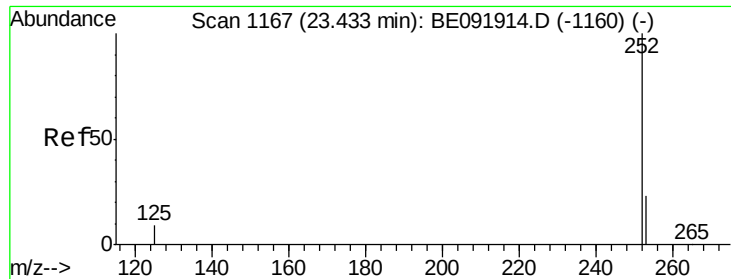


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.24 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

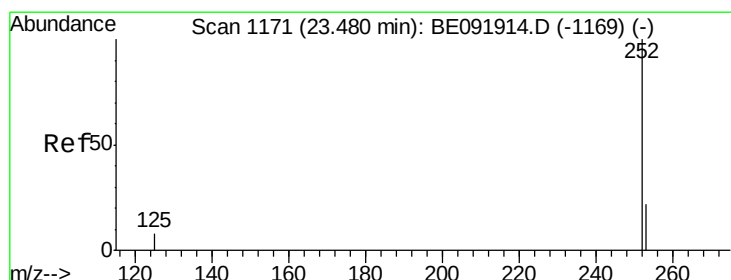
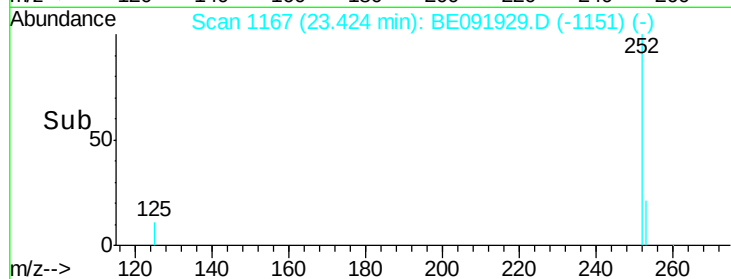
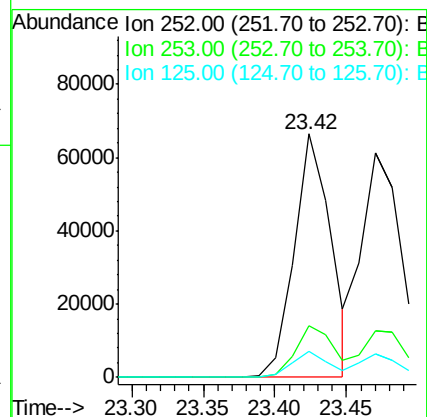
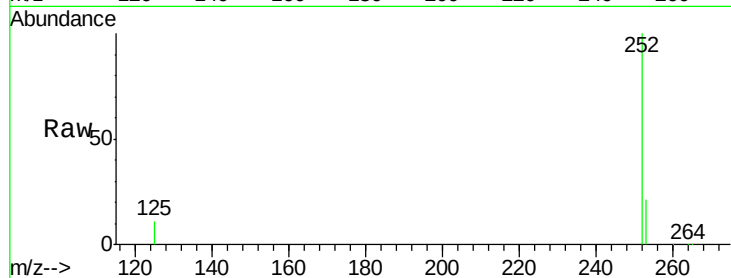
Tgt Ion:252 Resp: 117210

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 10.7 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 3.66 ng

RT: 23.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

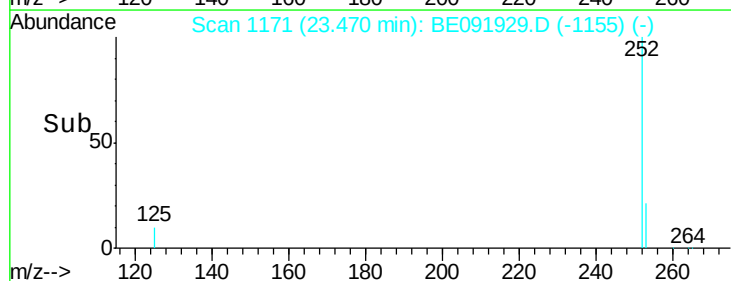
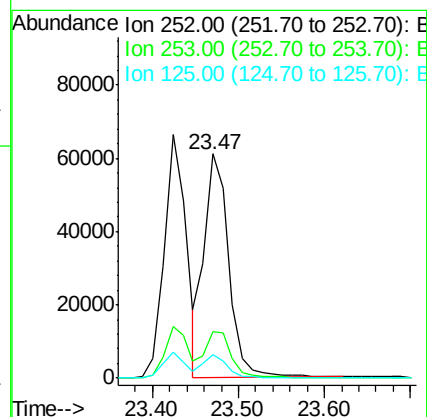
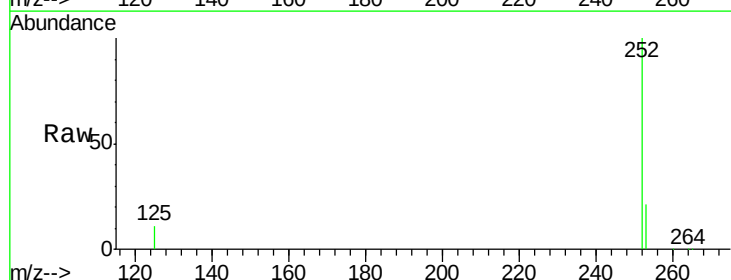
Tgt Ion:252 Resp: 121134

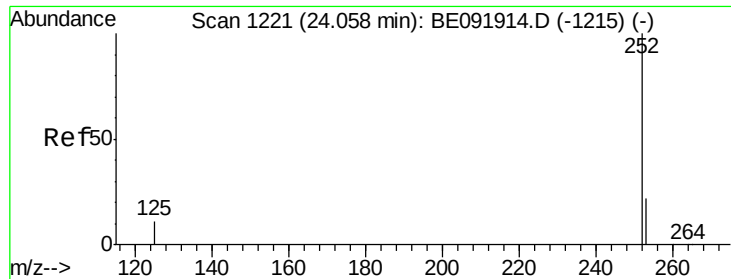
Ion Ratio Lower Upper

252 100

253 20.9 19.4 29.2

125 10.6 8.3 12.5





#43

Benzo(a)pyrene

Concen: 3.53 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

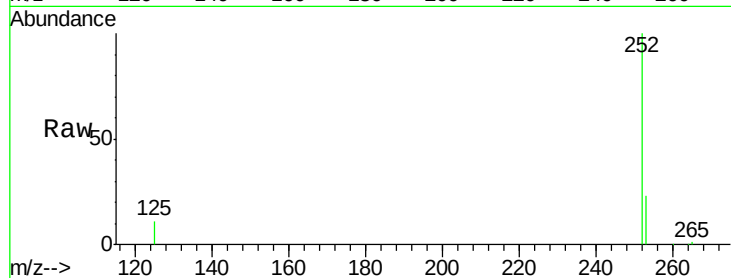
Tgt Ion: 252 Resp: 111661

Ion Ratio Lower Upper

252 100

253 22.6 18.9 28.3

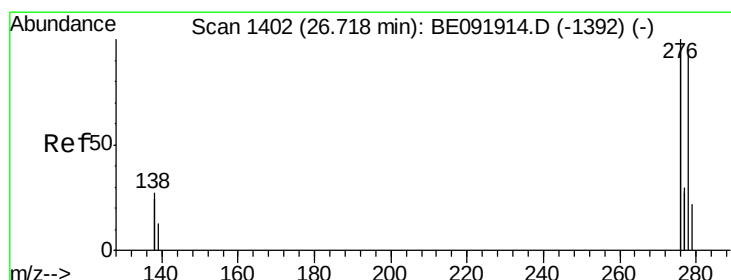
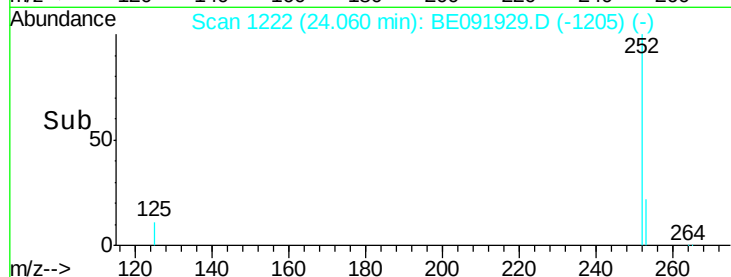
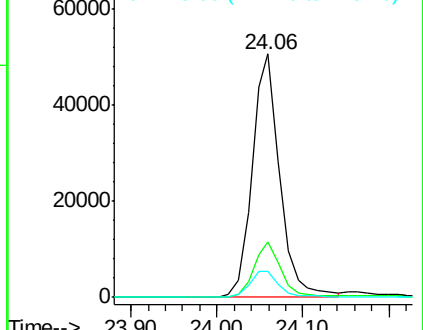
125 10.8 10.5 15.7



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: 4.13 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091929.D

Acq: 15 Jun 2016 17:45

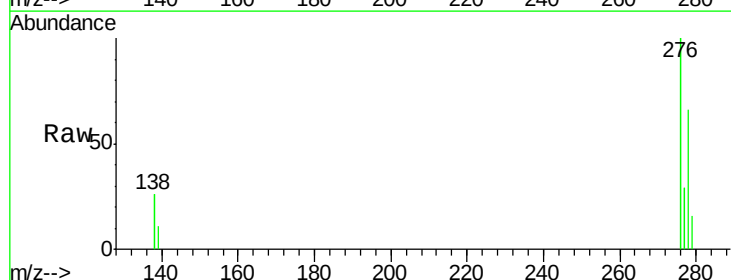
Tgt Ion: 278 Resp: 127142

Ion Ratio Lower Upper

278 100

139 17.3 12.6 18.8

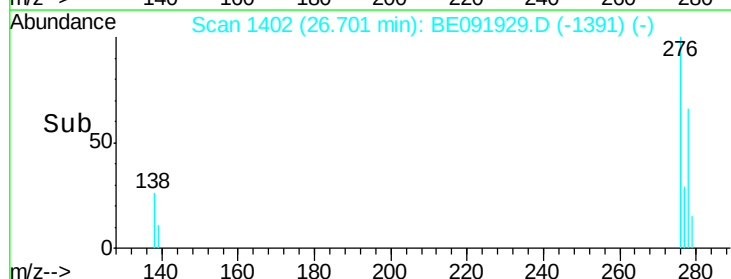
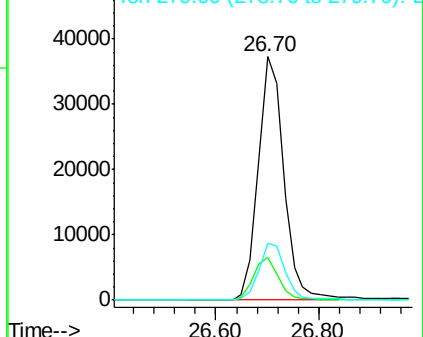
279 23.5 20.0 30.0

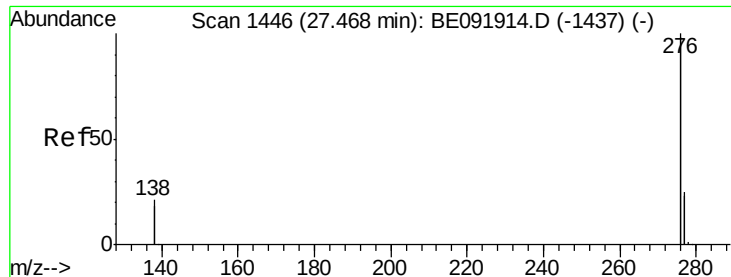


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.10 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE091929.D

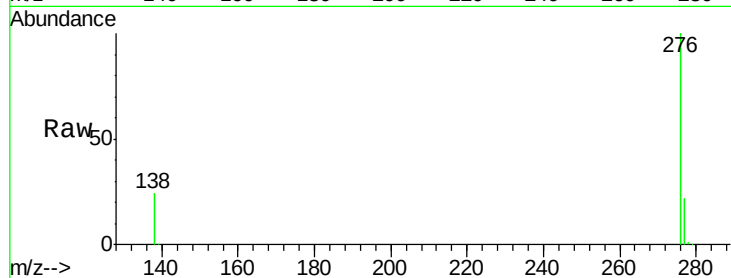
Acq: 15 Jun 2016 17:45

Instrument :

BNA_E

ClientSampleId :

PB91035BSD



Tgt Ion: 276 Resp: 521513

Ion Ratio Lower Upper

276 100

277 22.2 19.5 29.3

138 24.1 17.7 26.5

