

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061516\
 Data File : BE091932.D
 Acq On : 15 Jun 2016 19:39
 Operator : UM/SJ
 Sample : PB91035BSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

Quant Time: Jun 16 00:59:12 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	30465	5.00	ng	0.02
8) Naphthalene-d8	10.99	136	126659	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	83629	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	145561	5.00	ng	0.00
31) Chrysene-d12	21.76	240	231687	5.00	ng	0.00
40) Perylene-d12	24.16	264	167904	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	54016	9.07	ng	0.00
5) Phenol-d6	7.37	99	70101	7.18	ng	0.02
9) Nitrobenzene-d5	9.37	82	39192	4.48	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	15995	7.36	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	86813	4.09	ng	0.00
34) Terphenyl-d14	20.22	244	93186	3.29	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	12330	2.87	ng	# 85
3) n-Nitrosodimethylamine	3.82	42	18703	3.83	ng	95
6) bis(2-Chloroethyl)ether	7.63	93	32710	3.75	ng	96
7) n-Nitroso-di-n-propylamine	9.00	70	25882	3.14	ng	# 98
10) Nitrobenzene	9.40	77	37613	3.80	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	39733	3.58	ng	# 19
12) Naphthalene	11.04	128	102361	3.70	ng	# 94
13) Hexachlorobutadiene	11.34	225	16823	3.76	ng	100
14) 2-Methylnaphthalene	12.68	142	69855	3.72	ng	95
18) Acenaphthylene	14.56	152	310077	3.65	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	62766	3.45	ng	# 37
20) Acenaphthene	14.92	154	83529	3.57	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	64860	3.90	ng	# 81
22) Fluorene	15.90	166	80154	3.45	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	38175	3.33	ng	93
25) 4-Bromophenyl-phenylether	16.78	248	22305	3.96	ng	96
26) Hexachlorobenzene	16.90	284	22188	3.84	ng	96
27) Pentachlorophenol	17.25	266	18320	6.17	ng	# 85
28) Phenanthrene	17.64	178	132252	3.63	ng	99
29) Anthracene	17.73	178	123724	3.84	ng	100
30) Fluoranthene	19.65	202	503539	3.23	ng	# 86
32) Benzidine	19.83	184	7153	0.83	ng	# 94
33) Pyrene	20.02	202	538046	3.41	ng	# 74
35) Benzo(a)anthracene	21.73	228	166597	4.58	ng	92
36) 3,3'-Dichlorobenzidine	21.67	252	14623	2.48	ng	# 63
37) Chrysene	21.79	228	200751m	3.78	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	110055	3.51	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	786107	4.32	ng	98
41) Benzo(b)fluoranthene	23.42	252	158809	3.68	ng	98
42) Benzo(k)fluoranthene	23.47	252	159170	4.03	ng	96
43) Benzo(a)pyrene	24.06	252	148818	3.95	ng	97
44) Dibenzo(a,h)anthracene	26.70	278	166743	4.55	ng	98
45) Benzo(a,h,i)perylene	27.45	276	686429	4.53	ng	98

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061516\
Data File : BE091932.D
Acq On : 15 Jun 2016 19:39
Operator : UM/SJ
Sample : PB91035BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB91035BSD

Quant Time: Jun 16 00:59:12 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

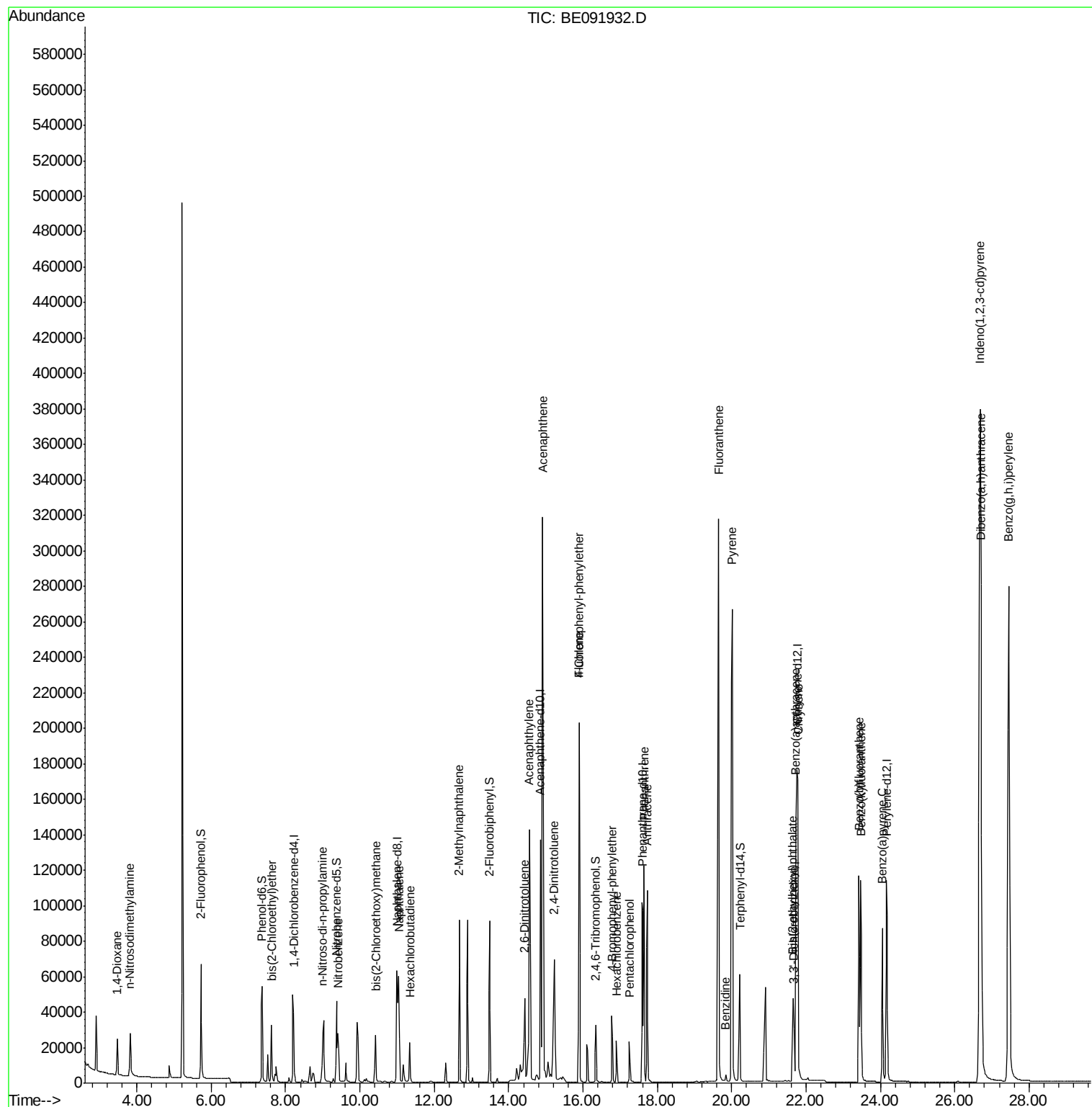
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

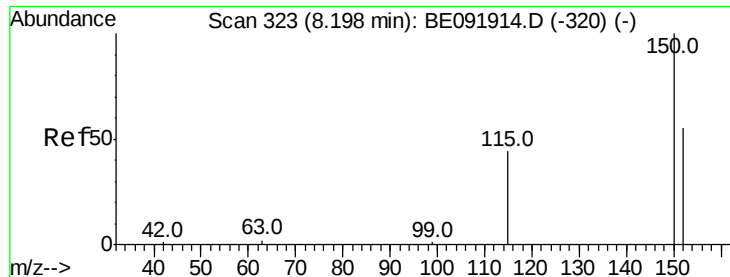
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061516\
Data File : BE091932.D
Acq On : 15 Jun 2016 19:39
Operator : UM/SJ
Sample : PB91035BSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB91035BSD

Quant Time: Jun 16 00:59:12 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



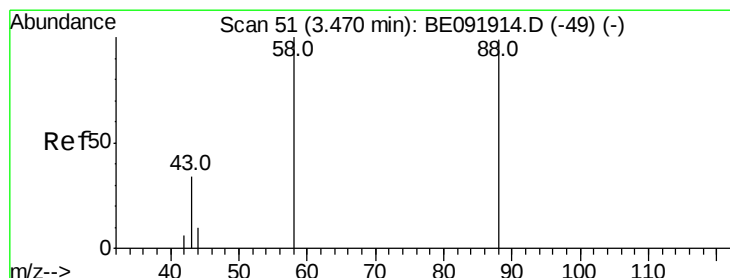
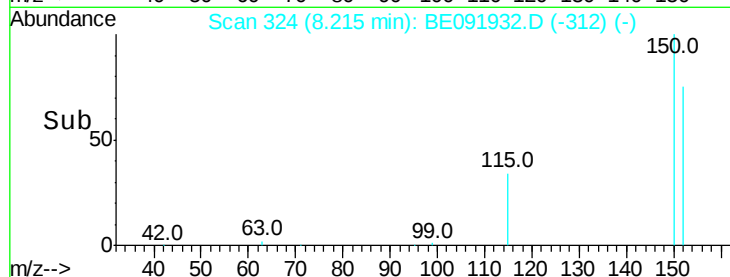
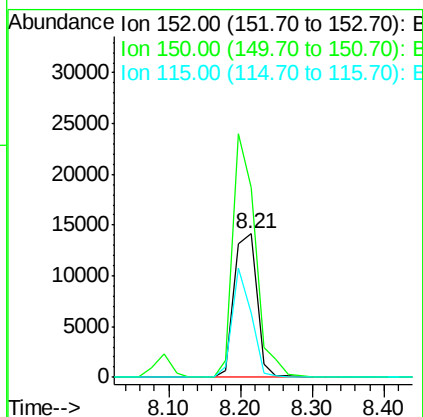
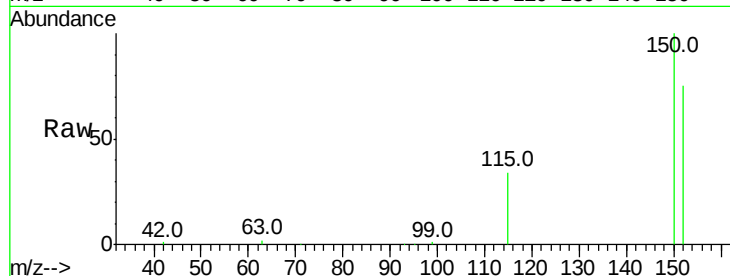


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.21 min Scan# 324
Delta R.T. 0.02 min
Lab File: BE091932.D
Acq: 15 Jun 2016 19:39

Instrument :
BNA_E
ClientSampleId :
PB91035BSD

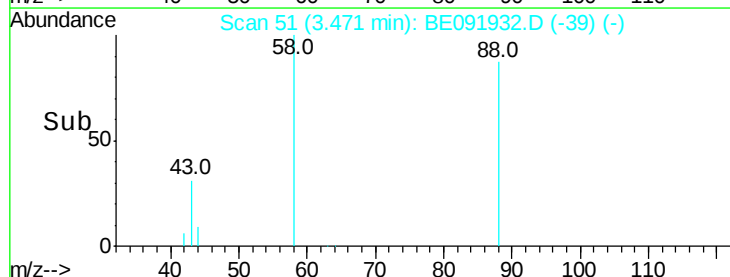
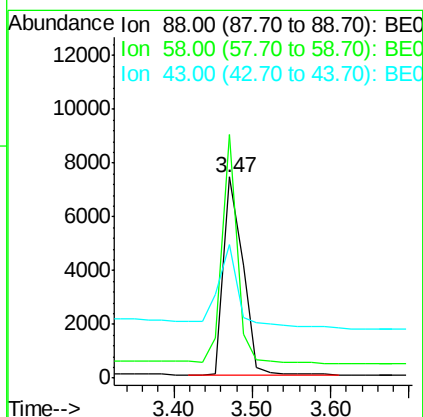
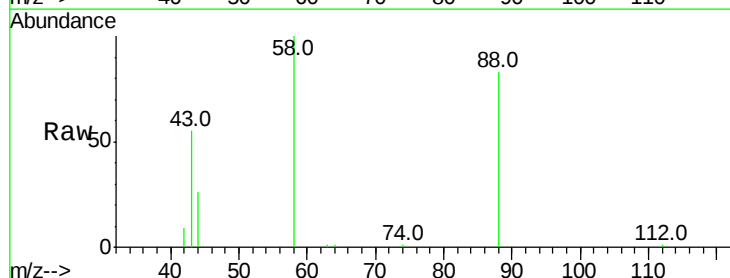
Tot Ion:152 Resp: 30465
Ion Ratio Lower Upper
152 100
150 132.7 123.9 185.9
115 45.1 48.3 72.5#

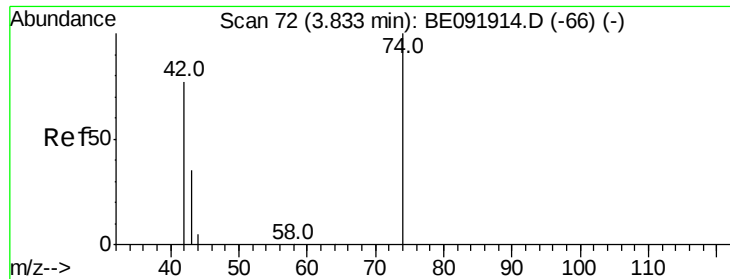


#2

1,4-Dioxane
Concen: 2.87 ng
RT: 3.47 min Scan# 51
Delta R.T. 0.00 min
Lab File: BE091932.D
Acq: 15 Jun 2016 19:39

Tgt Ion: 88 Resp: 12330
Ion Ratio Lower Upper
88 100
58 91.1 63.0 94.4
43 46.1 29.1 43.7#





#3

n-Nitrosodimethylamine

Concen: 3.83 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

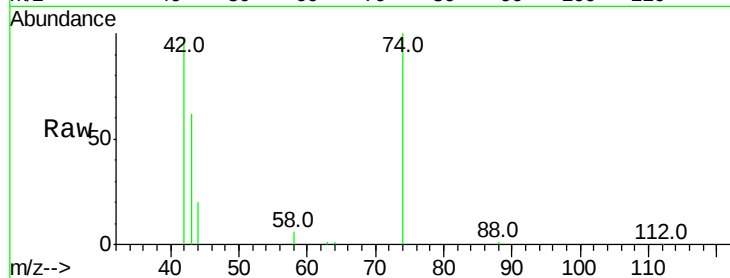
Tot Ion: 42 Resp: 18703

Ion Ratio Lower Upper

42 100

74 110.6 93.4 140.0

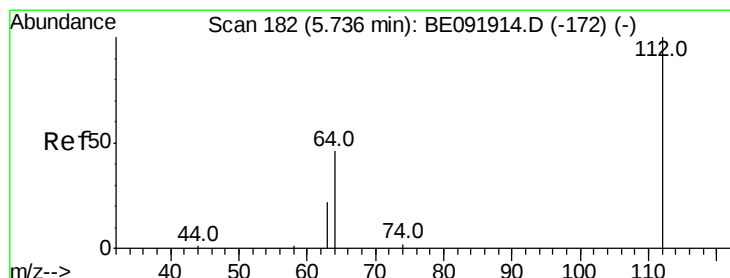
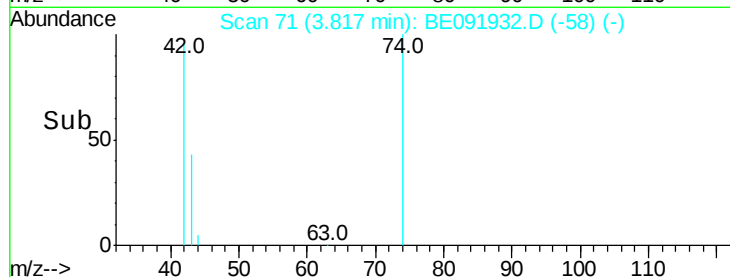
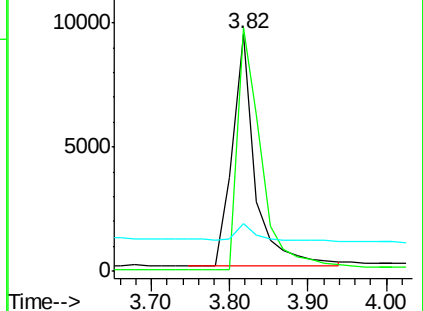
44 6.8 5.0 7.6



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: 9.07 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

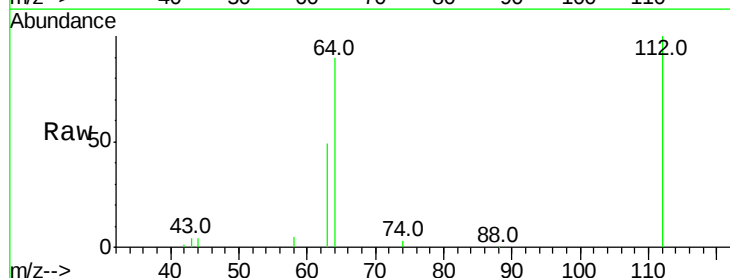
Tgt Ion: 112 Resp: 54016

Ion Ratio Lower Upper

112 100

64 69.2 53.7 80.5

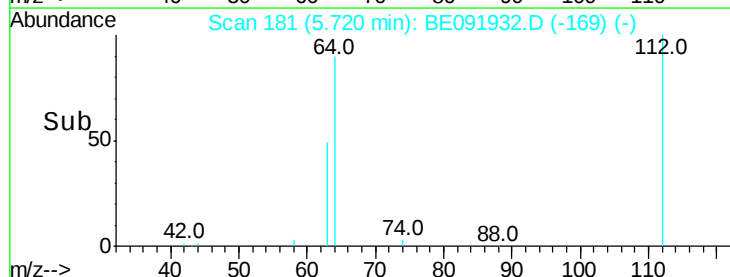
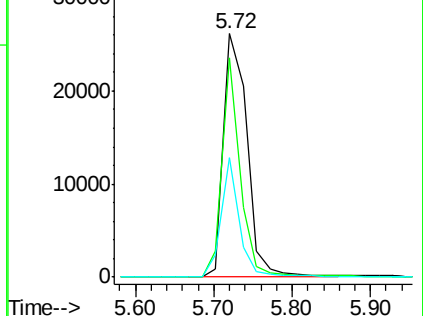
63 37.2 29.5 44.3

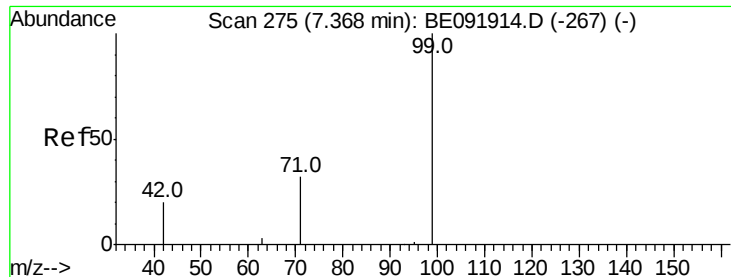


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.18 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

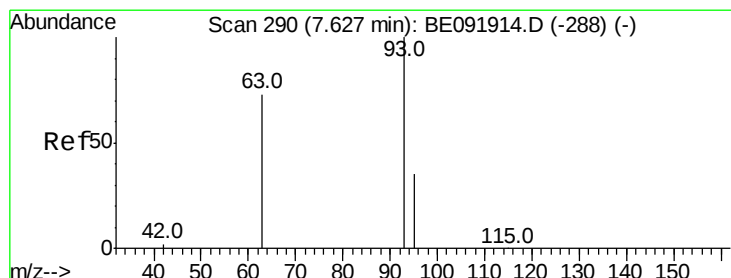
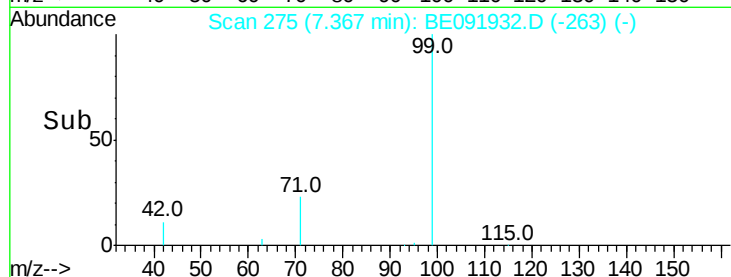
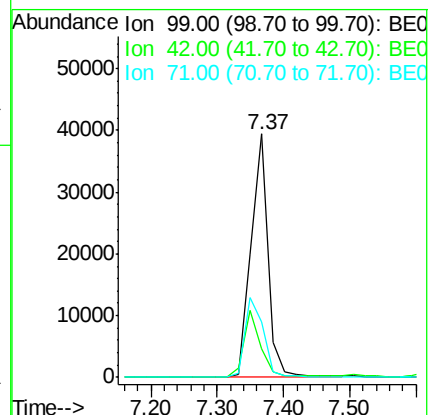
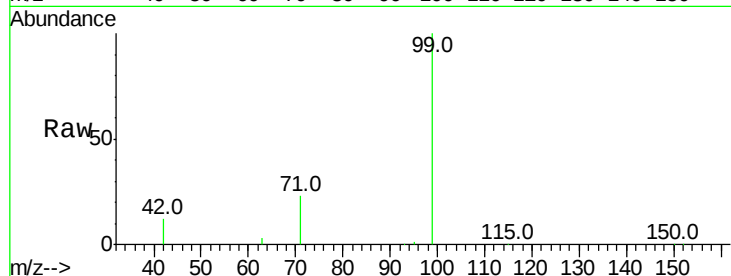
Tot Ion: 99 Resp: 70101

Ion Ratio Lower Upper

99 100

42 26.3 19.6 29.4

71 35.6 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 3.75 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

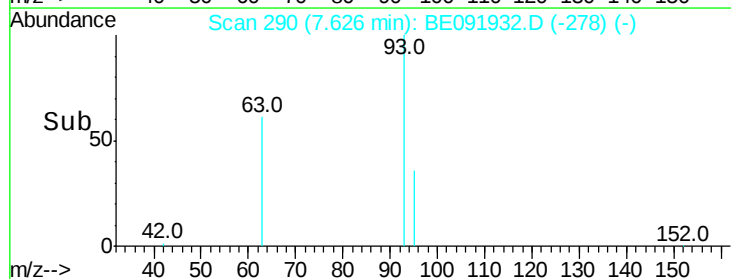
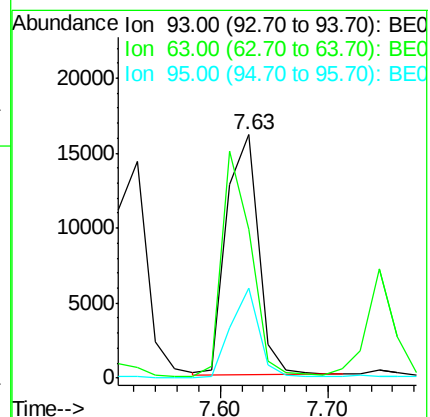
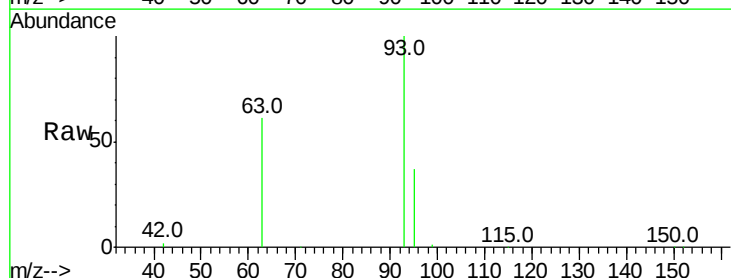
Tgt Ion: 93 Resp: 32710

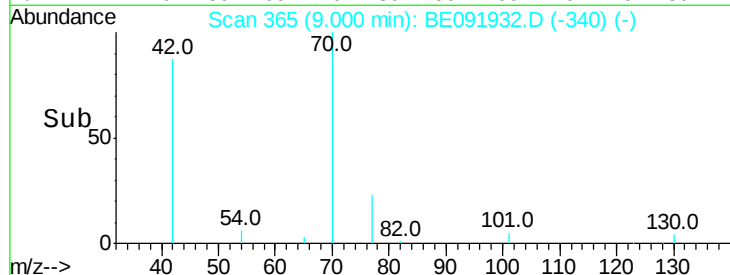
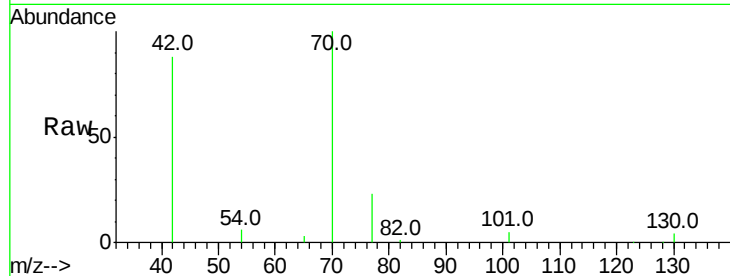
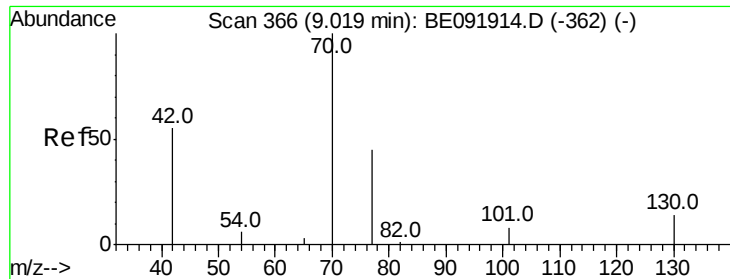
Ion Ratio Lower Upper

93 100

63 86.7 66.2 99.4

95 33.0 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 3.14 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

Tot Ion: 70 Resp: 25882

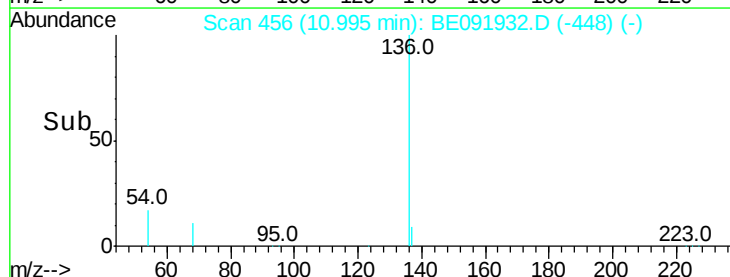
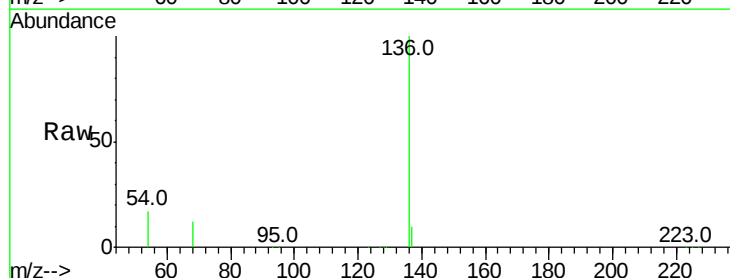
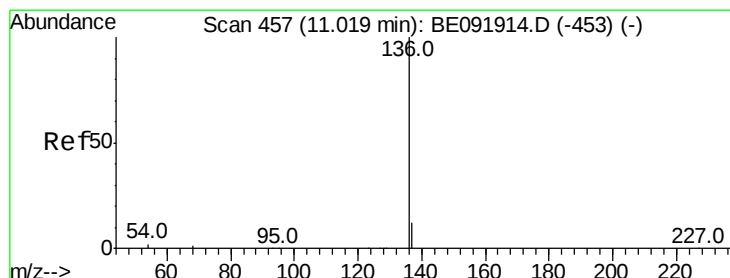
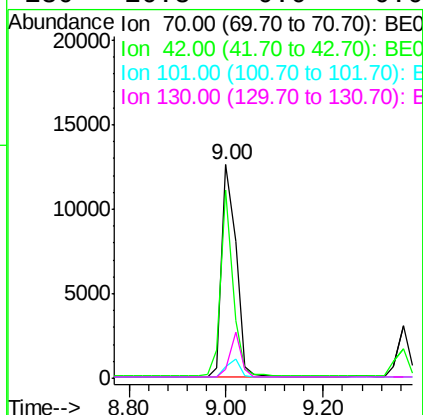
Ion Ratio Lower Upper

70 100

42 74.9 58.4 87.6

101 8.4 6.4 9.6

130 16.8 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: BE091932.D

Acq: 15 Jun 2016 19:39

Tgt Ion: 136 Resp: 126659

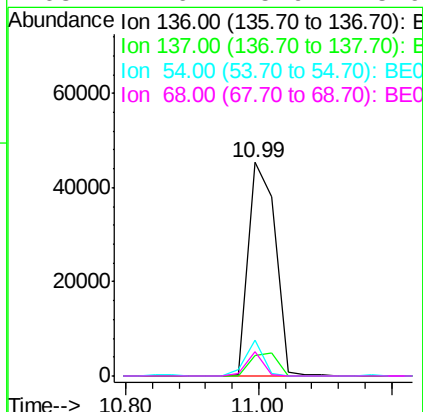
Ion Ratio Lower Upper

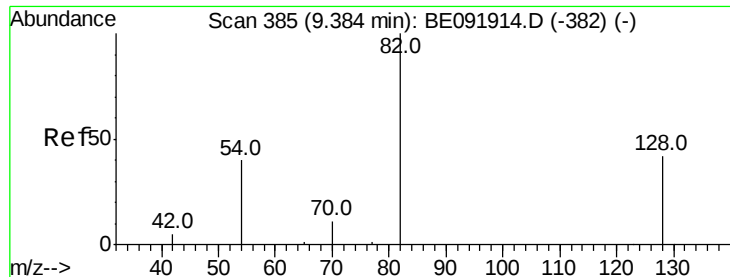
136 100

137 9.5 8.3 12.5

54 16.7 8.2 12.4#

68 11.6 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.48 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

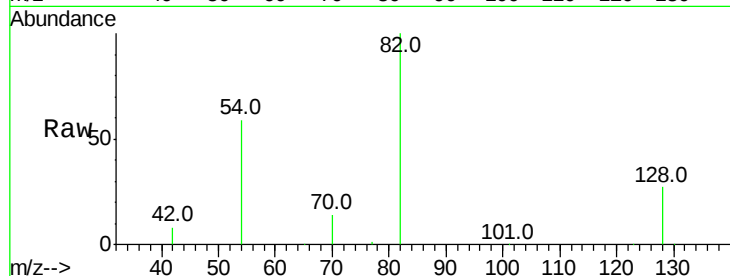
Tot Ion: 82 Resp: 39192

Ion Ratio Lower Upper

82 100

128 26.5 39.5 59.3#

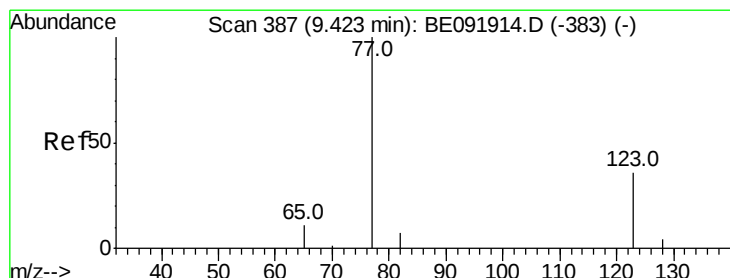
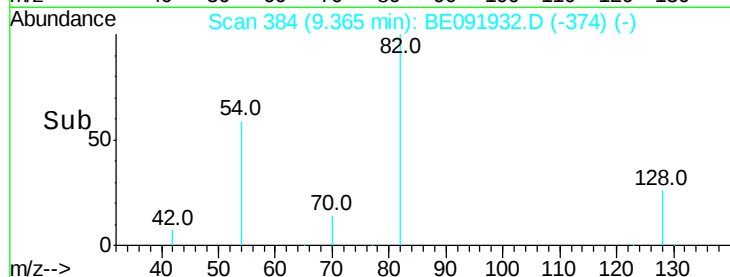
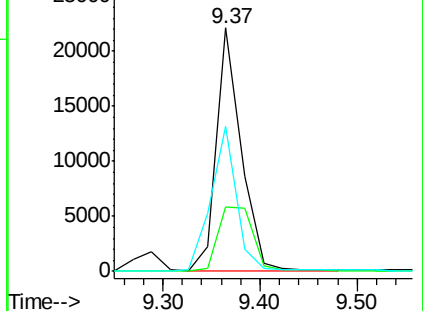
54 59.4 30.3 45.5#



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: 3.80 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

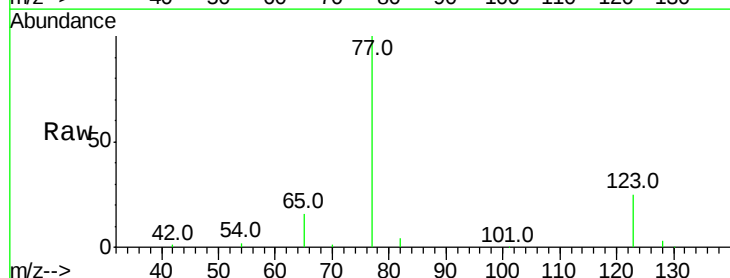
Tgt Ion: 77 Resp: 37613

Ion Ratio Lower Upper

77 100

123 38.4 0.0 0.0#

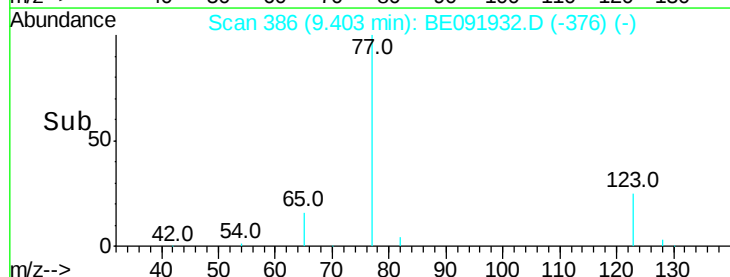
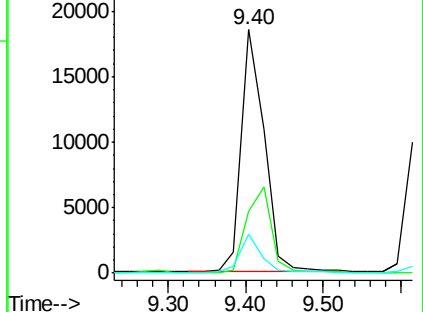
65 14.1 11.1 16.7

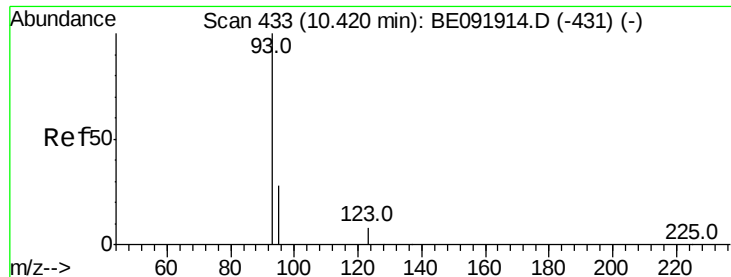


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 3.58 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

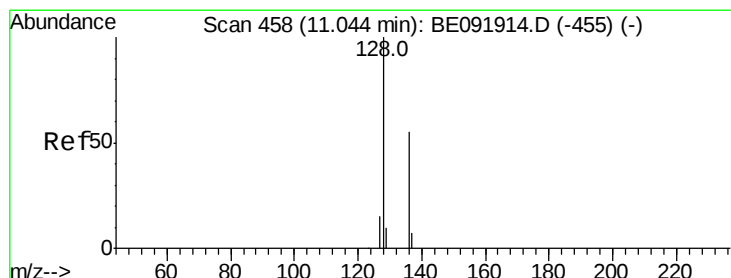
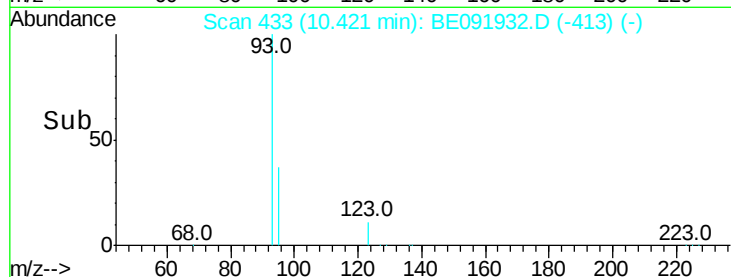
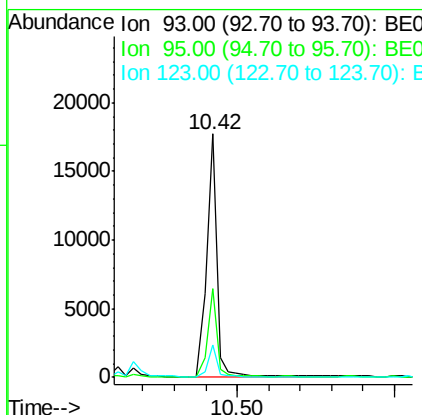
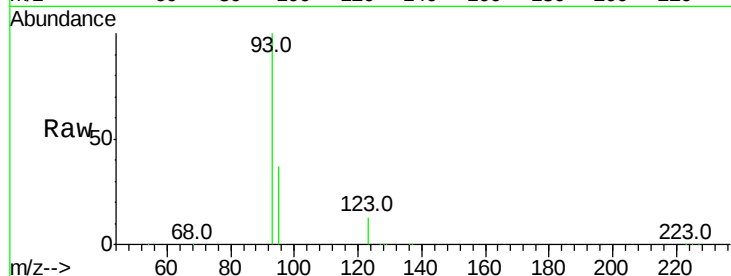
Tot Ion: 93 Resp: 39733

Ion Ratio Lower Upper

93 100

95 32.9 57.6 86.4#

123 10.8 100.2 150.4#



#12

Naphthalene

Concen: 3.70 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

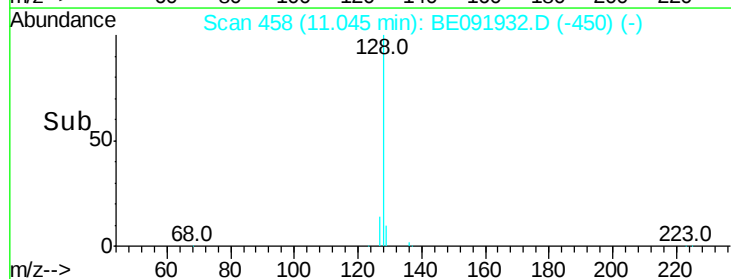
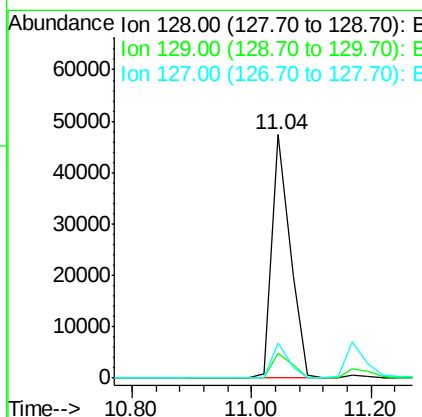
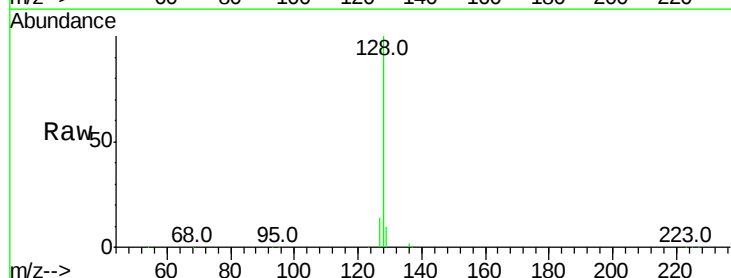
Tgt Ion: 128 Resp: 102361

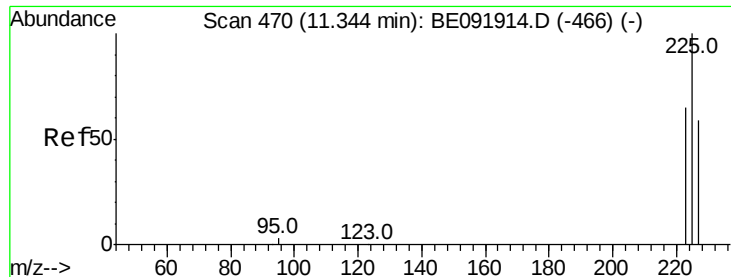
Ion Ratio Lower Upper

128 100

129 10.0 10.4 15.6#

127 14.5 10.2 15.2





#13

Hexachlorobutadiene

Concen: 3.76 ng

RT: 11.34 min Scan# 470

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

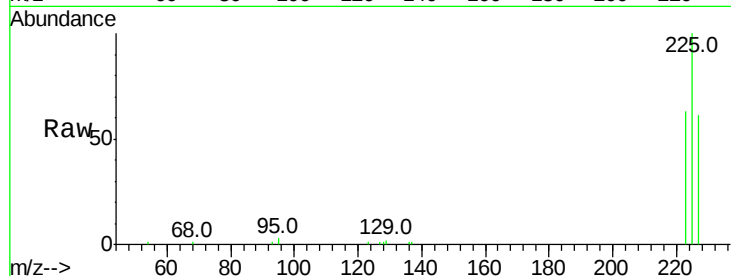
Tot Ion:225 Resp: 16823

Ion Ratio Lower Upper

225 100

223 62.3 49.8 74.8

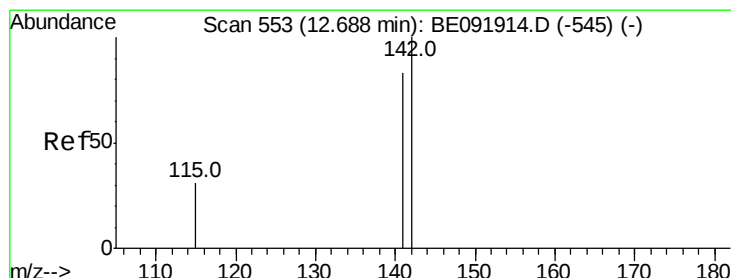
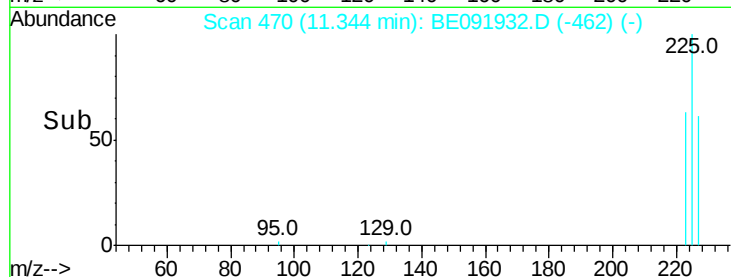
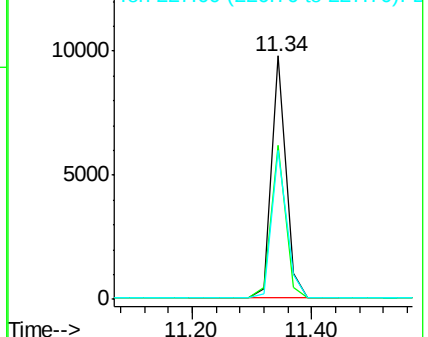
227 62.8 50.6 75.8



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: 3.72 ng

RT: 12.68 min Scan# 552

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

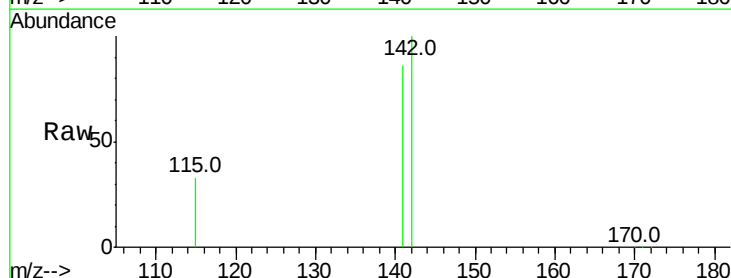
Tgt Ion:142 Resp: 69855

Ion Ratio Lower Upper

142 100

141 86.1 71.9 107.9

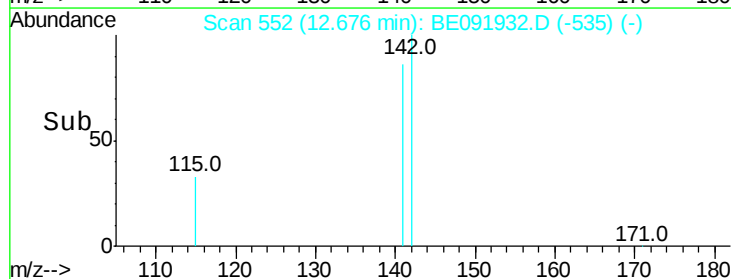
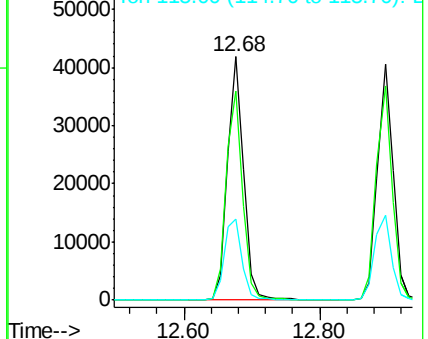
115 33.3 29.9 44.9

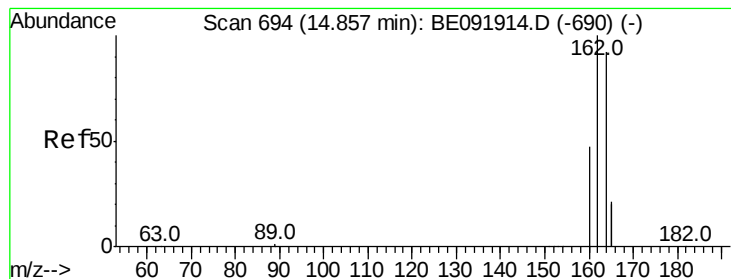


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

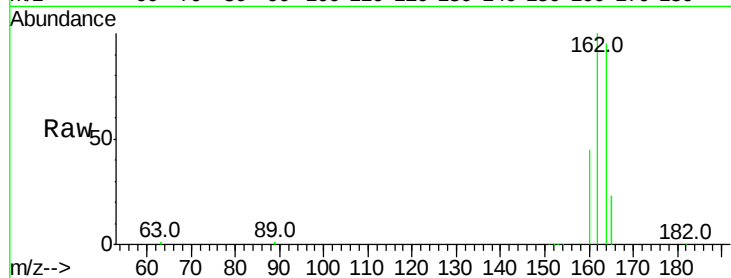
Tot Ion:164 Resp: 83629

Ion Ratio Lower Upper

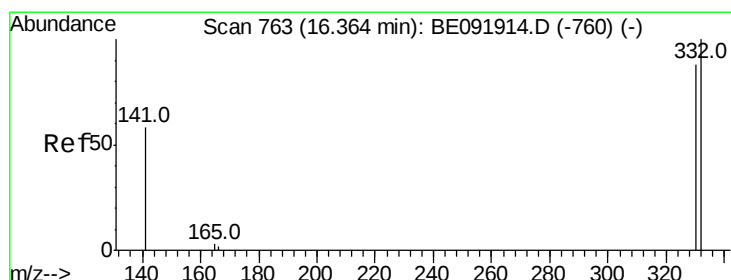
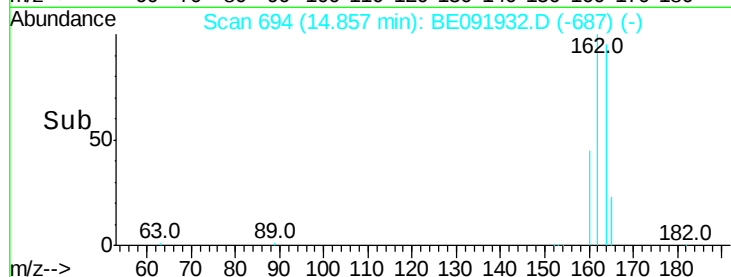
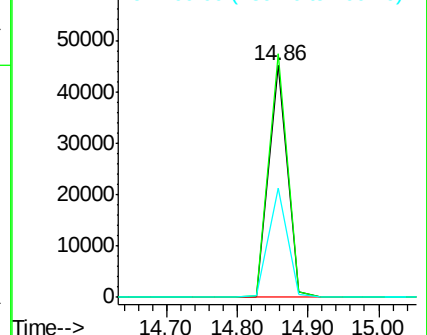
164 100

162 105.1 71.8 107.8

160 47.4 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: 7.36 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

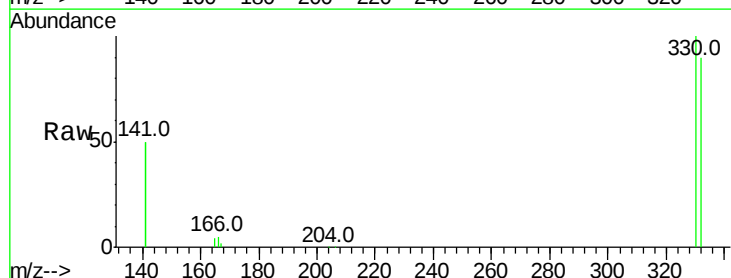
Tgt Ion:330 Resp: 15995

Ion Ratio Lower Upper

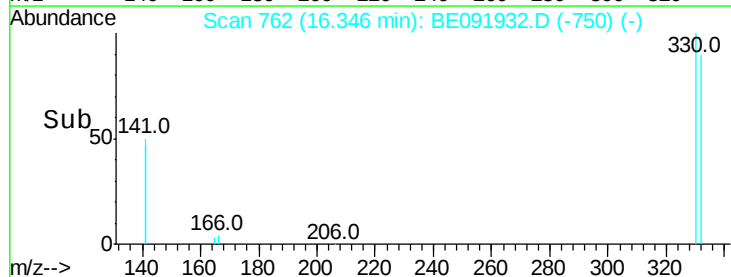
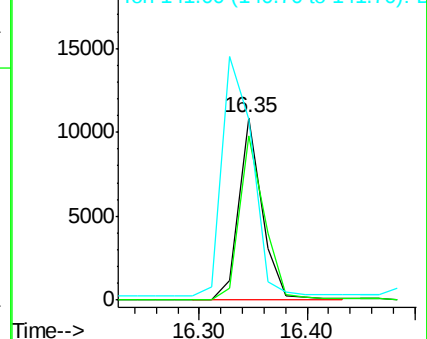
330 100

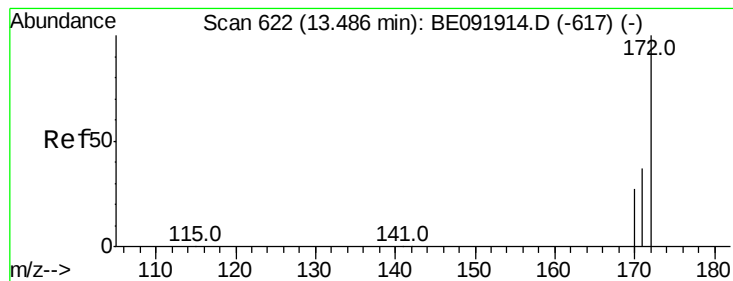
332 96.5 77.0 115.6

141 172.9 138.4 207.6



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

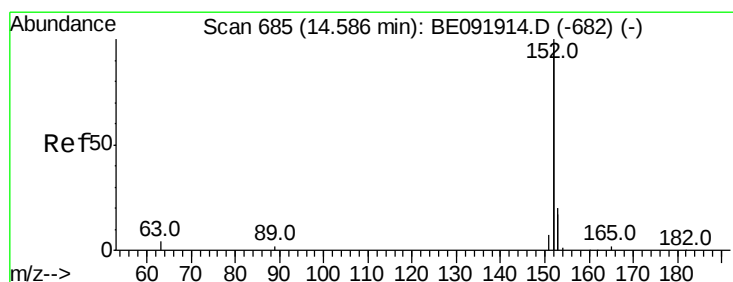
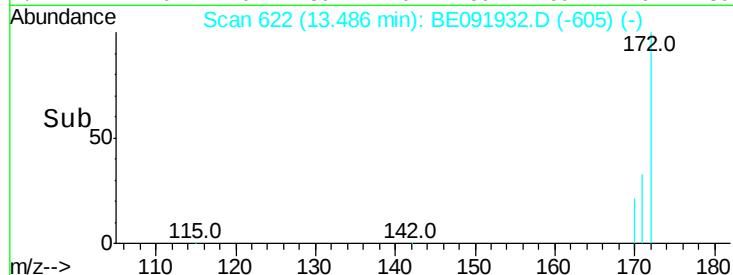
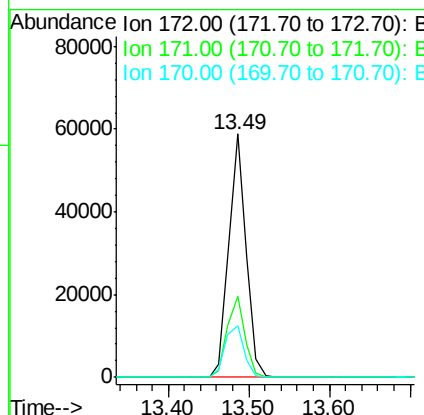
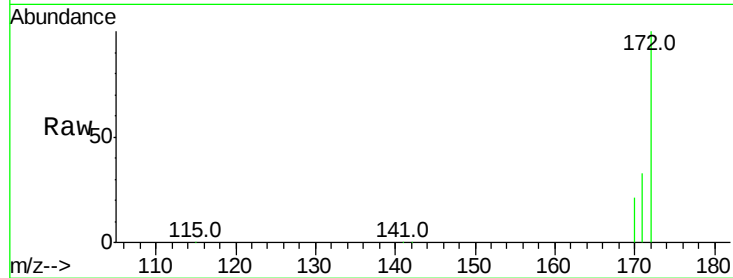




#17
2-Fluorobiphenyl
Concen: 4.09 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091932.D
Acq: 15 Jun 2016 19:39

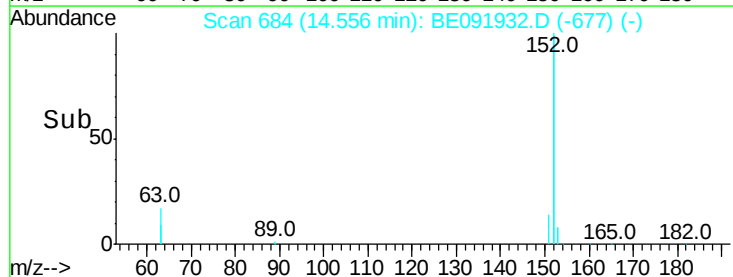
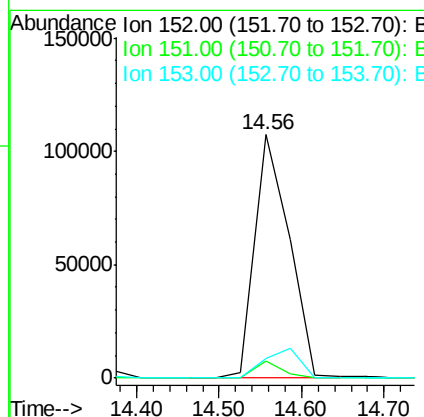
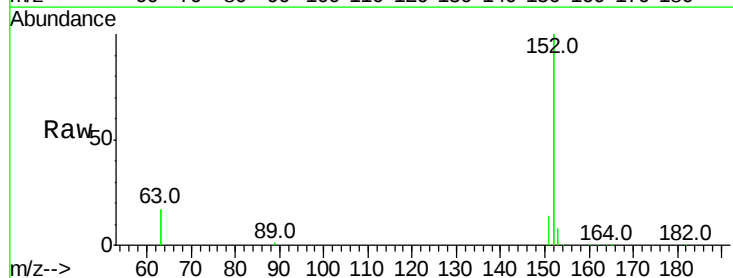
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

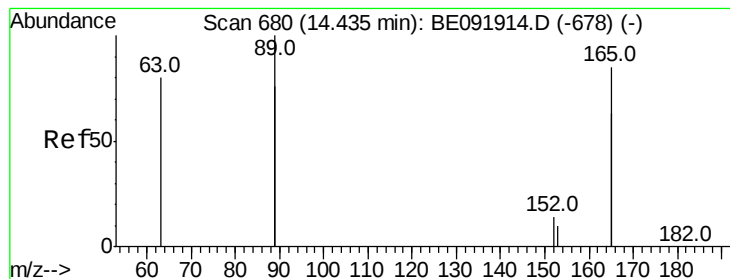
Tot Ion:172 Resp: 86813
Ion Ratio Lower Upper
172 100
171 33.5 24.3 36.5
170 21.4 14.9 22.3



#18
Acenaphthylene
Concen: 3.65 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE091932.D
Acq: 15 Jun 2016 19:39

Tgt Ion:152 Resp: 310077
Ion Ratio Lower Upper
152 100
151 5.4 19.4 29.2#
153 0.0 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 3.45 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

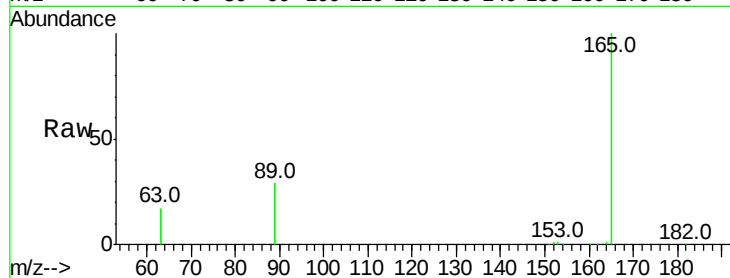
Tot Ion:165 Resp: 62766

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

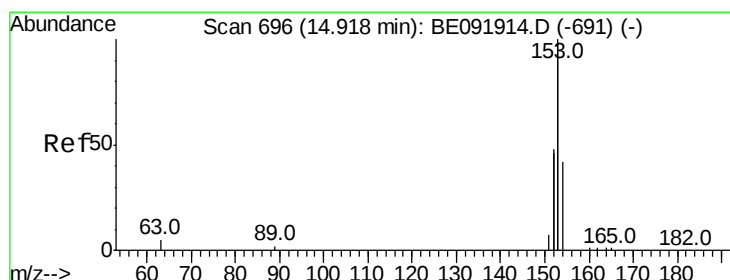
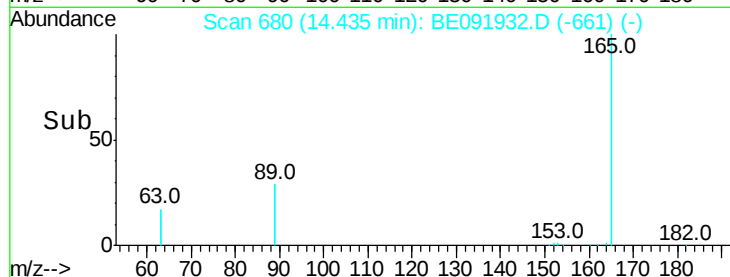
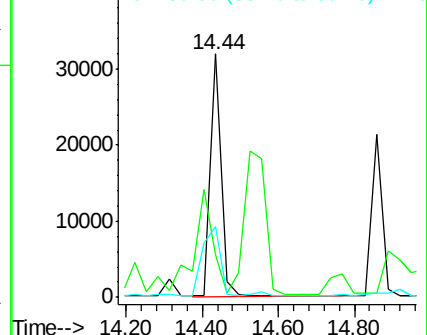
89 48.5 59.1 88.7#



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: 3.57 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

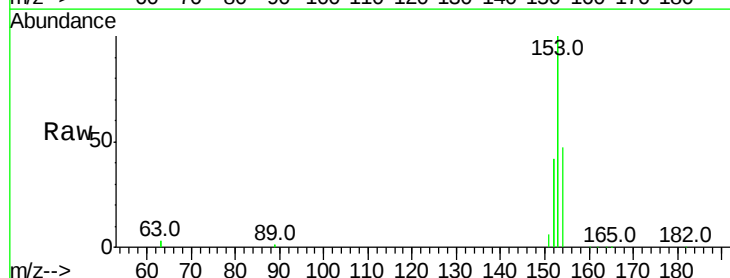
Tgt Ion:154 Resp: 83529

Ion Ratio Lower Upper

154 100

153 413.0 88.1 132.1#

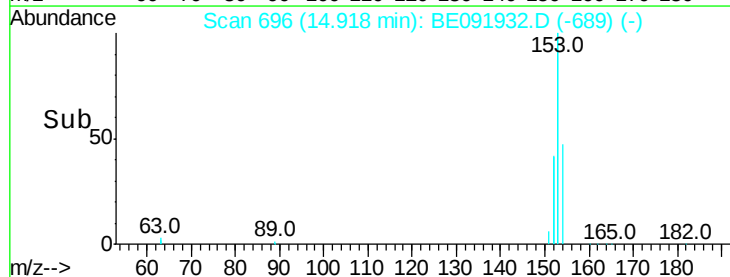
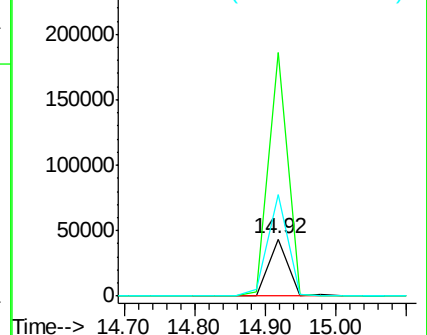
152 178.4 44.2 66.2#

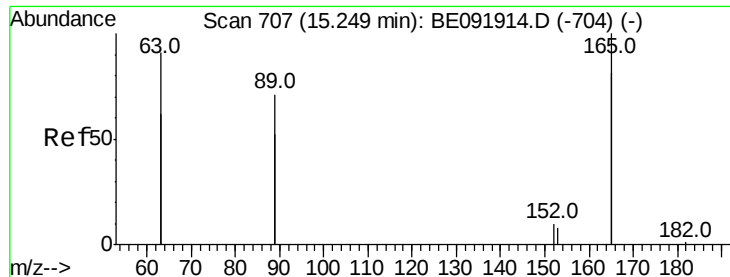


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 3.90 ng

RT: 15.22 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

Tot Ion:165 Resp: 64860

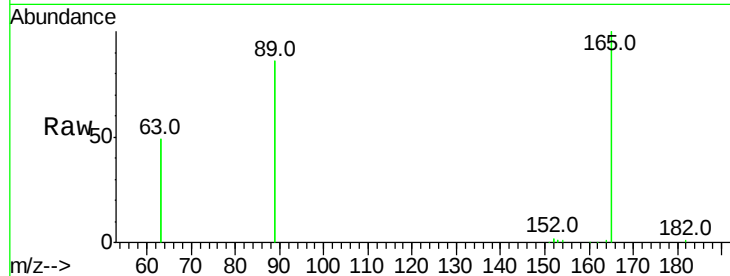
Ion Ratio Lower Upper

165 100

63 81.8 0.0 0.0#

89 103.5 99.8 149.8

182 0.5 0.0 0.0#

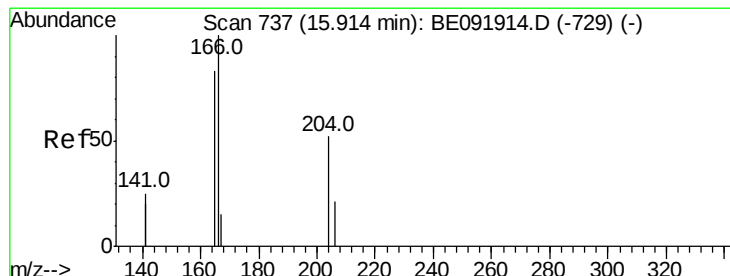
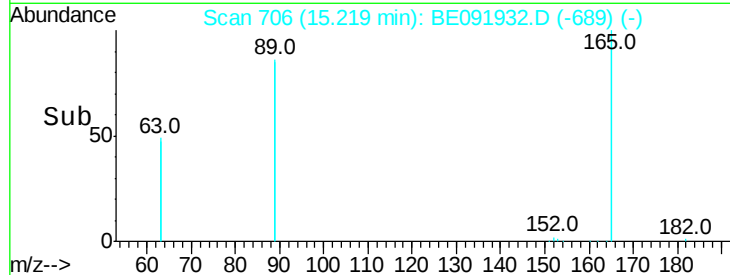
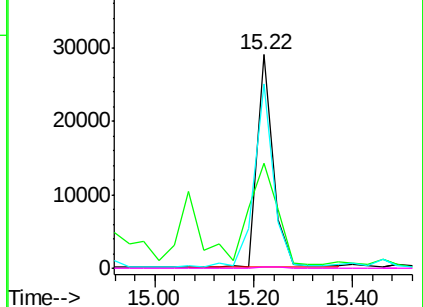


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.45 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

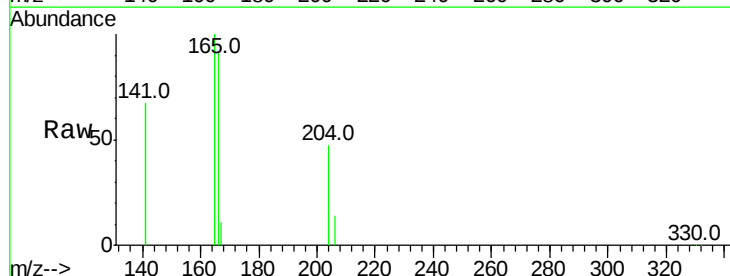
Tgt Ion:166 Resp: 80154

Ion Ratio Lower Upper

166 100

165 99.4 78.6 117.8

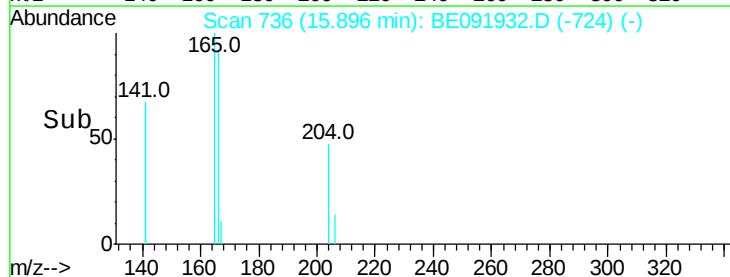
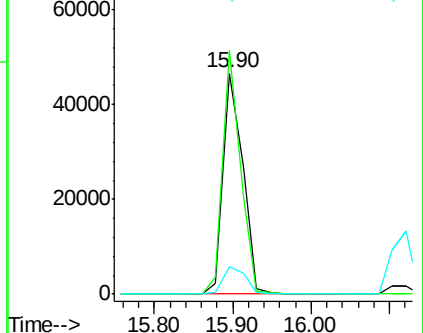
167 13.5 10.8 16.2

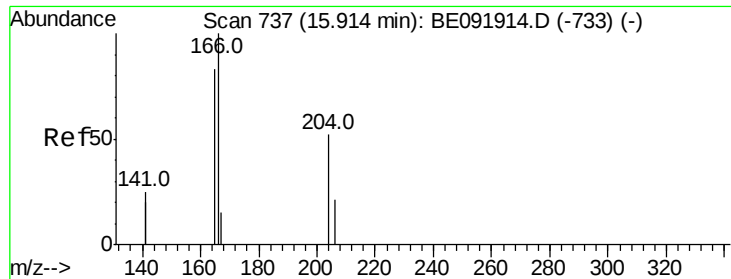


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

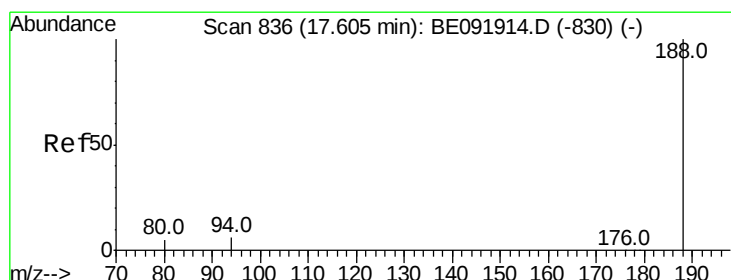
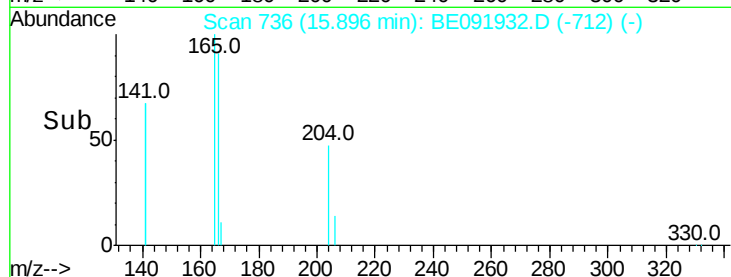
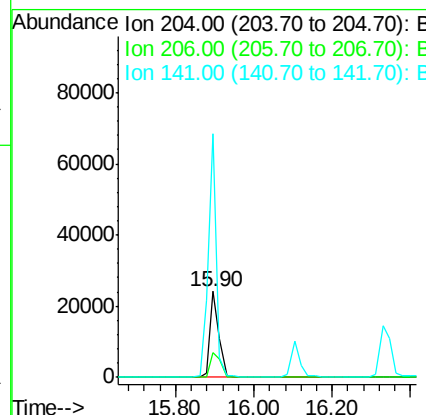
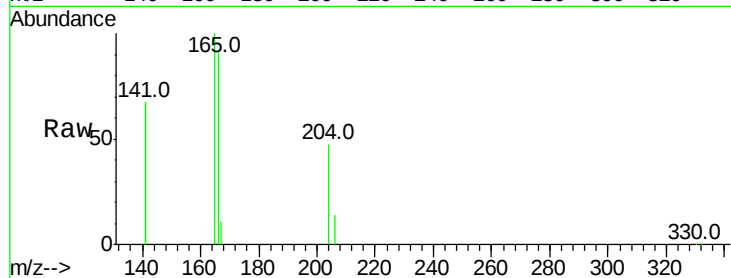




#23
4-Chlorophenyl-phenylether
Concen: 3.33 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091932.D
Acq: 15 Jun 2016 19:39

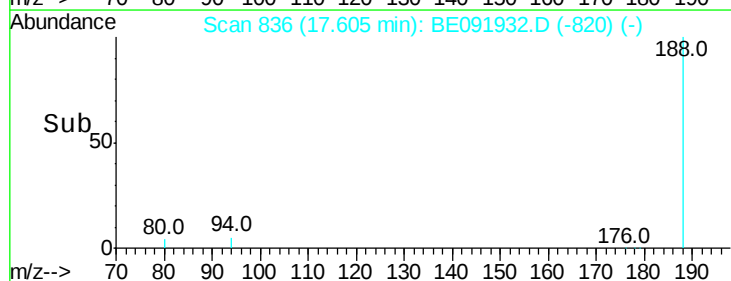
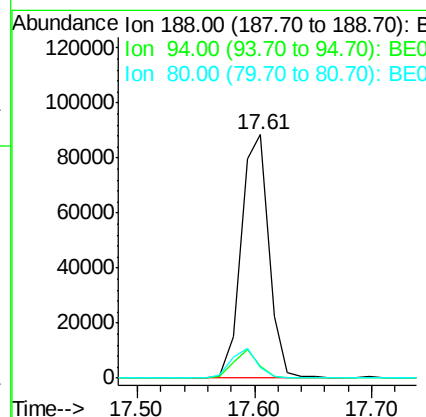
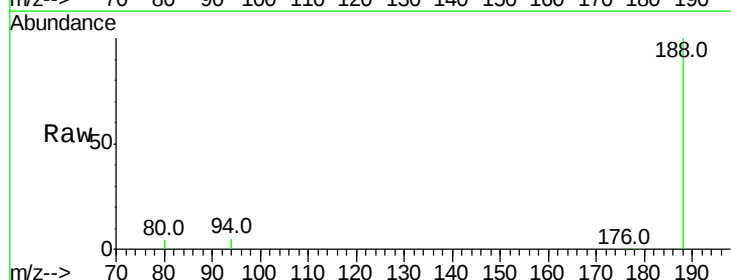
Instrument :
BNA_E
ClientSampleId :
PB91035BSD

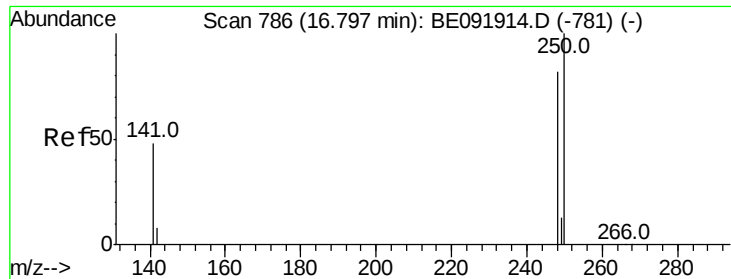
Tot Ion:204 Resp: 38175
Ion Ratio Lower Upper
204 100
206 33.9 27.8 41.6
141 259.6 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091932.D
Acq: 15 Jun 2016 19:39

Tgt Ion:188 Resp: 145561
Ion Ratio Lower Upper
188 100
94 4.9 4.1 6.1
80 4.1 3.4 5.2





#25

4-Bromophenyl-phenylether

Concen: 3.96 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

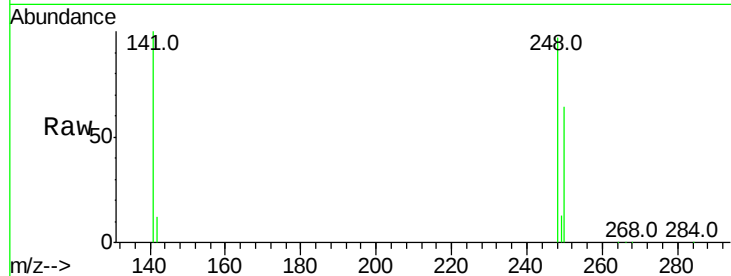
Tot Ion:248 Resp: 22305

Ion Ratio Lower Upper

248 100

250 98.2 75.7 113.5

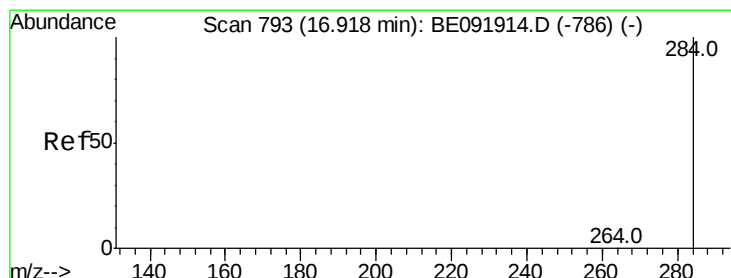
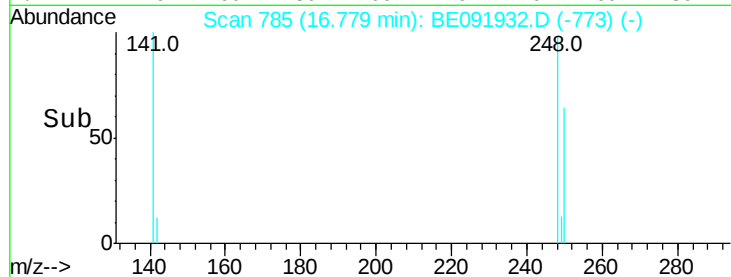
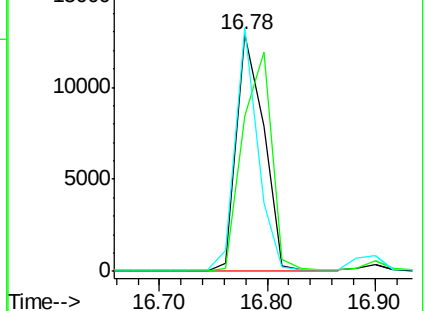
141 84.4 64.6 97.0



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: 3.84 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.02 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

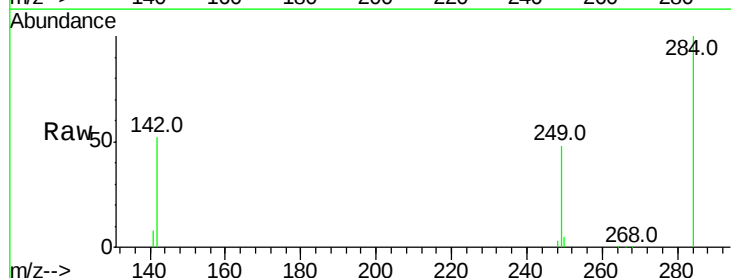
Tgt Ion:284 Resp: 22188

Ion Ratio Lower Upper

284 100

142 41.9 31.4 47.2

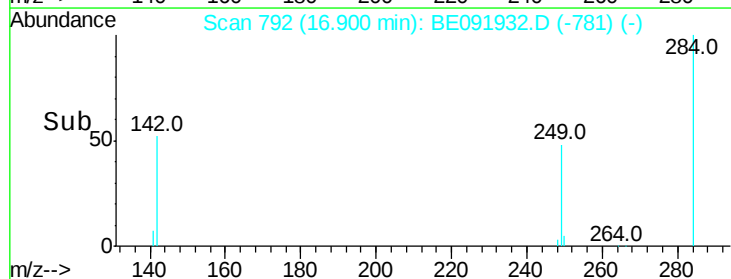
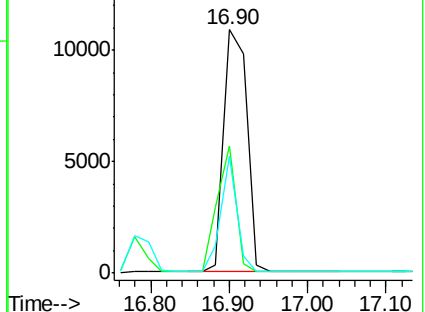
249 33.1 25.3 37.9

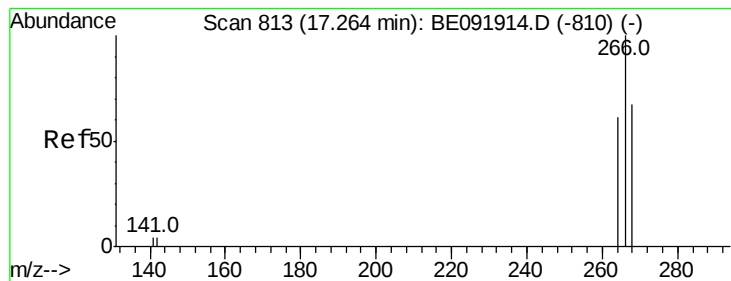


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 6.17 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

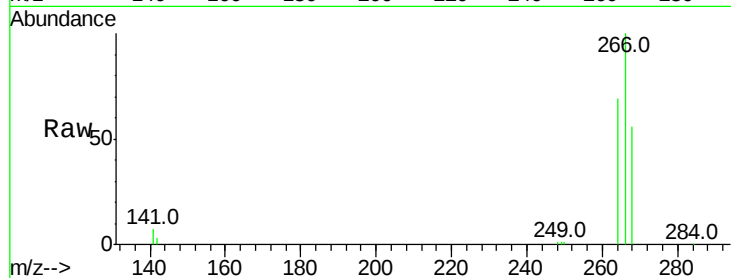
Tot Ion:266 Resp: 18320

Ion Ratio Lower Upper

266 100

268 55.9 60.5 90.7#

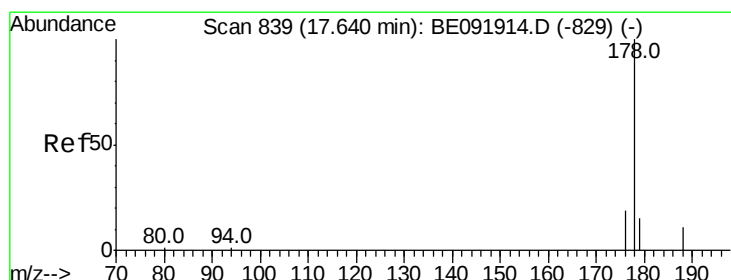
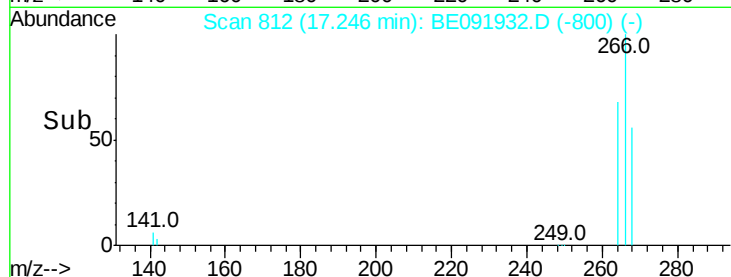
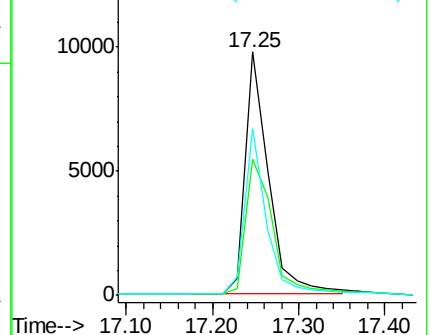
264 68.6 51.0 76.4



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



#28

Phenanthrene

Concen: 3.63 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

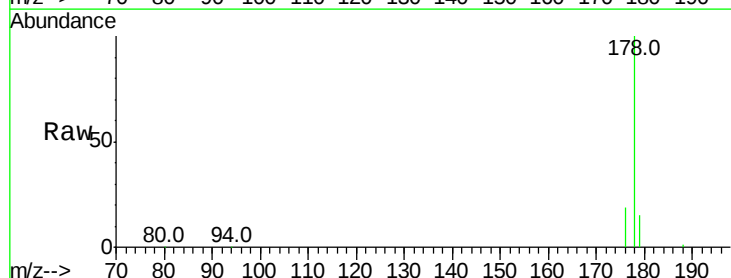
Tgt Ion:178 Resp: 132252

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

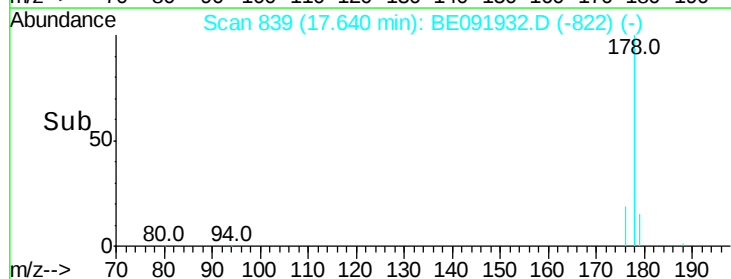
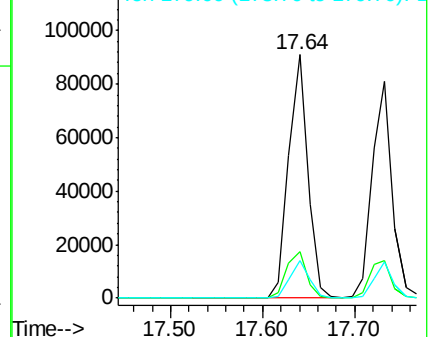
179 15.3 12.9 19.3

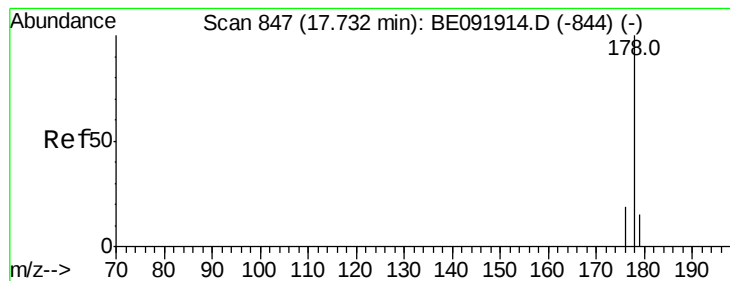


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 3.84 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

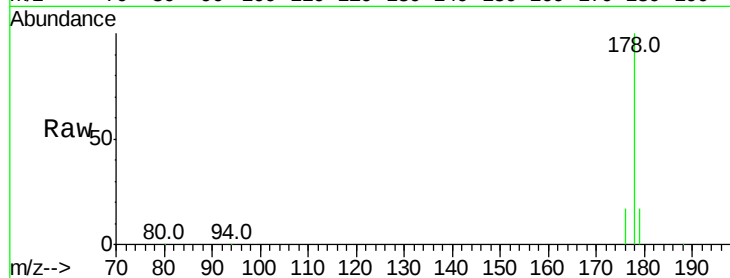
Tot Ion:178 Resp: 123724

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

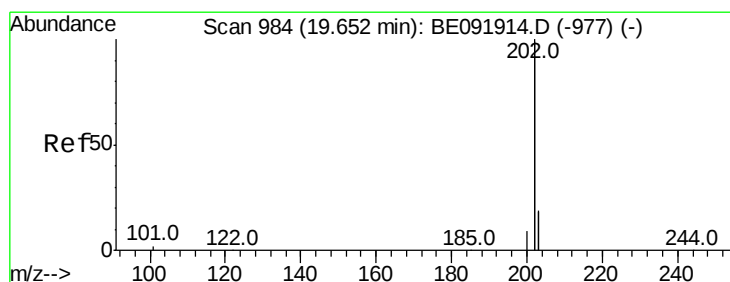
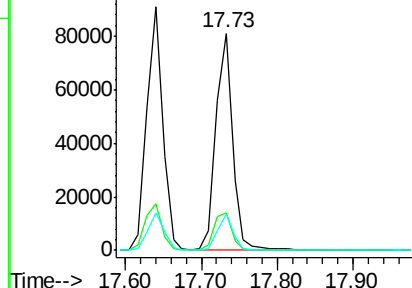
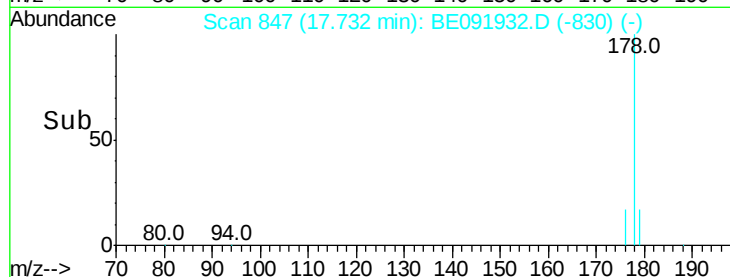
179 15.2 12.1 18.1



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: 3.23 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

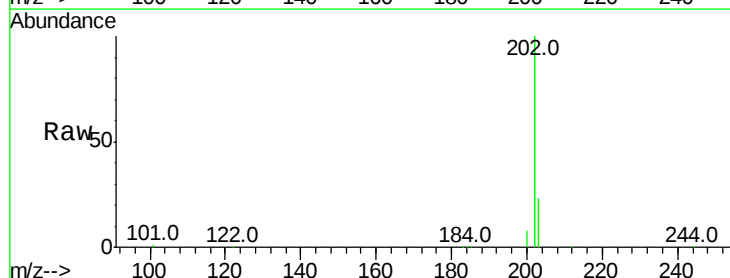
Tgt Ion:202 Resp: 503539

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

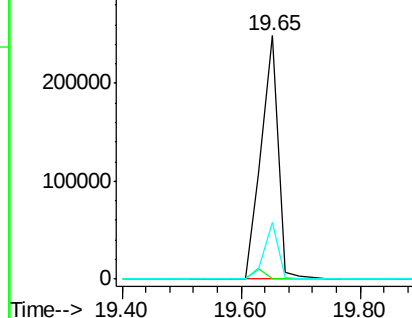
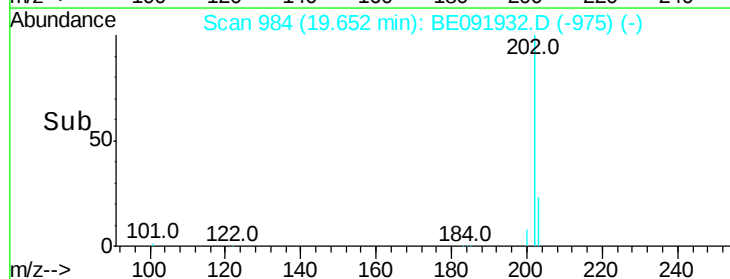
203 19.2 14.3 21.5

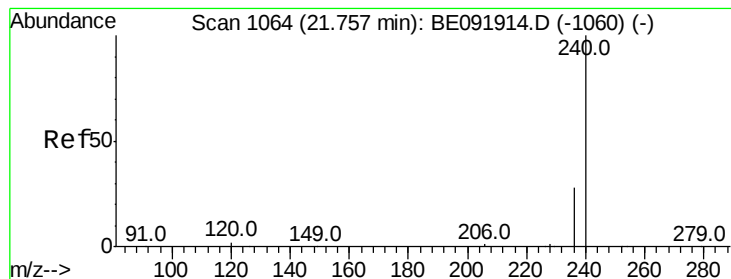


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

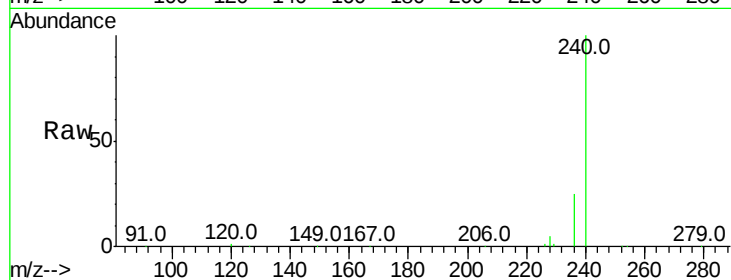
Tot Ion:240 Resp: 231687

Ion Ratio Lower Upper

240 100

120 0.9 1.2 1.8#

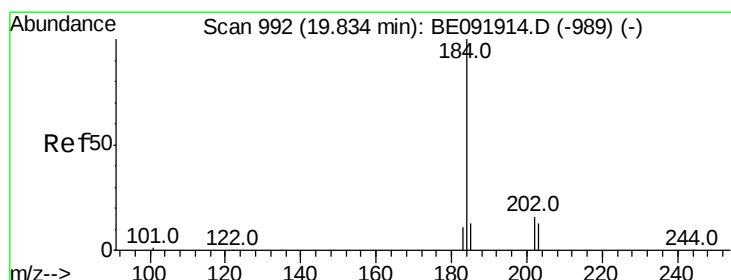
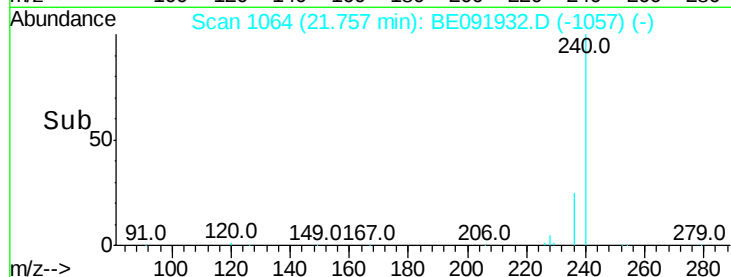
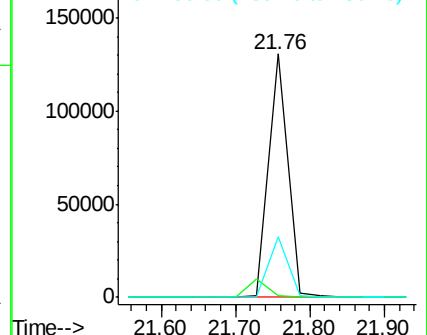
236 24.9 19.8 29.8



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: 0.83 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

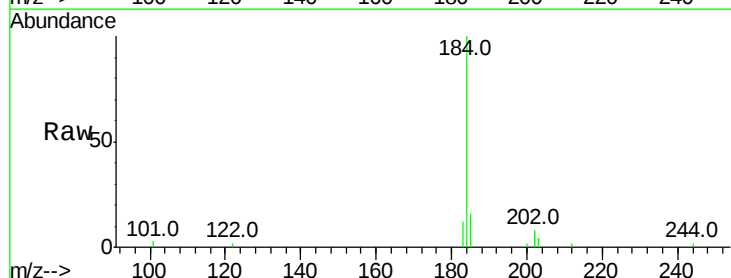
Tgt Ion:184 Resp: 7153

Ion Ratio Lower Upper

184 100

185 16.0 11.4 17.2

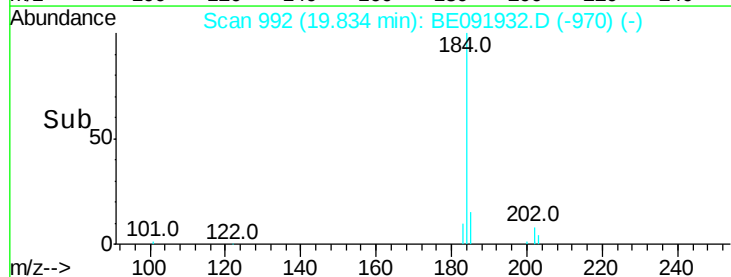
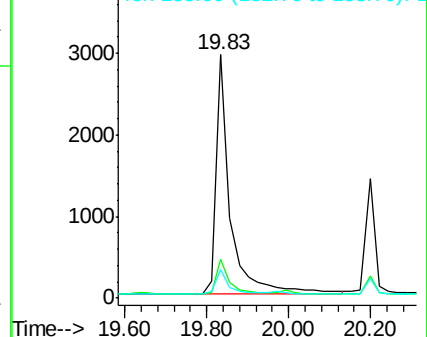
183 11.8 11.8 17.6#

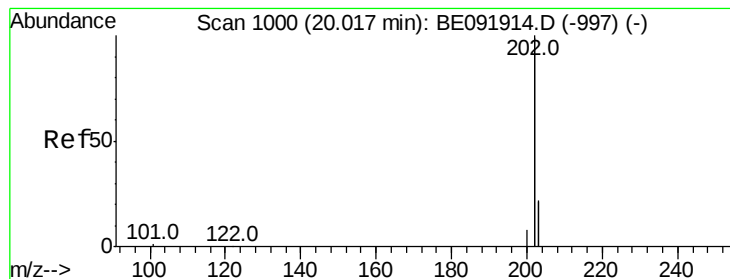


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 3.41 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

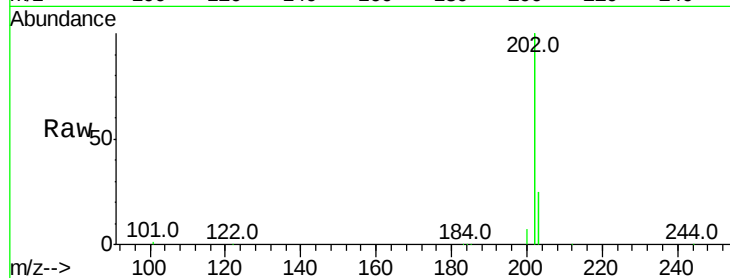
Tot Ion:202 Resp: 538046

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

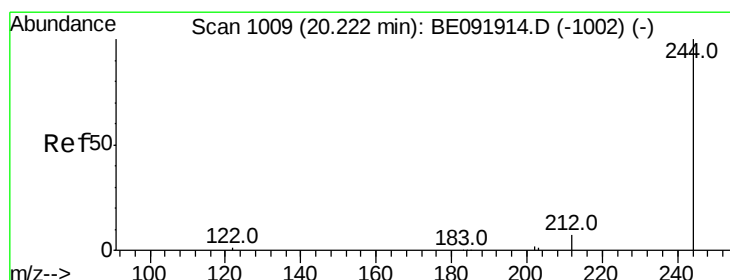
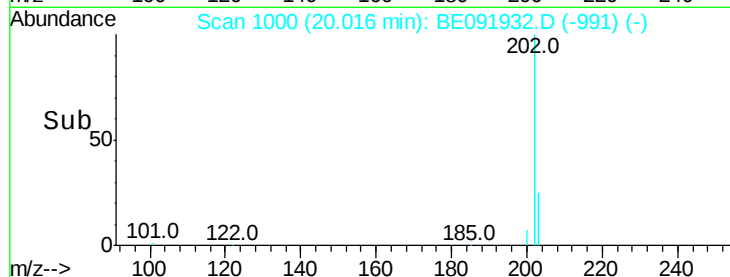
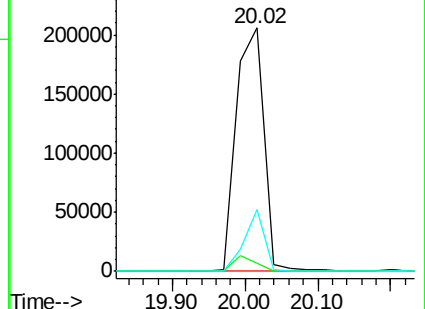
203 18.8 14.1 21.1



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: 3.29 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

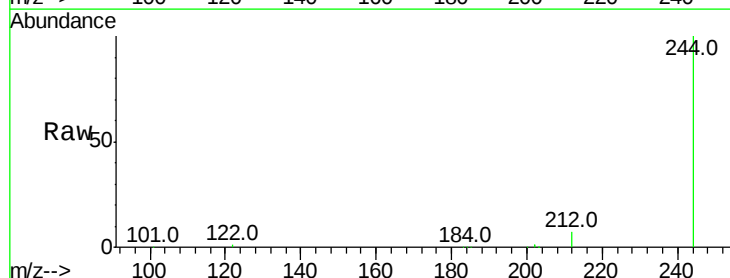
Tgt Ion:244 Resp: 93186

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

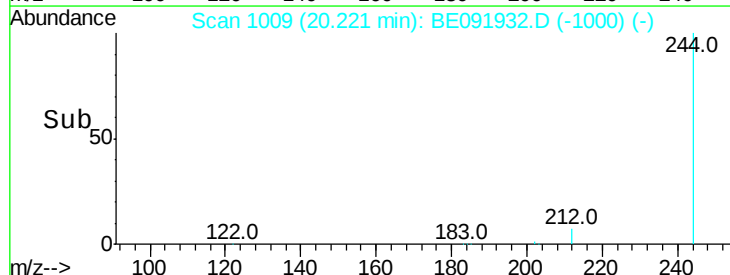
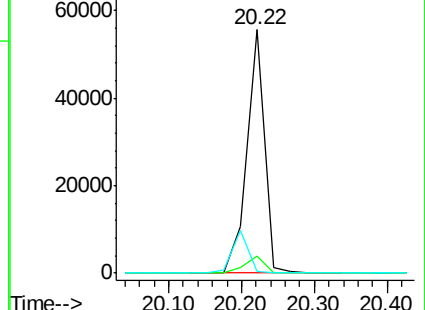
122 0.6 2.9 4.3#

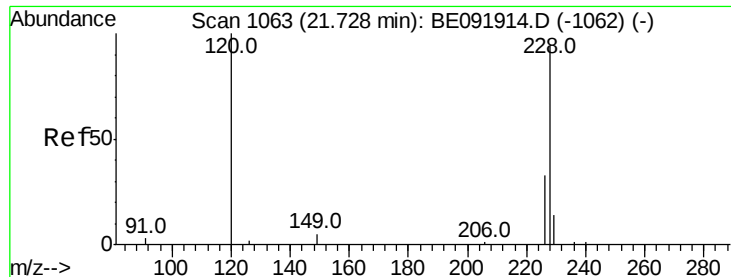


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 4.58 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampled :

PB91035BSD

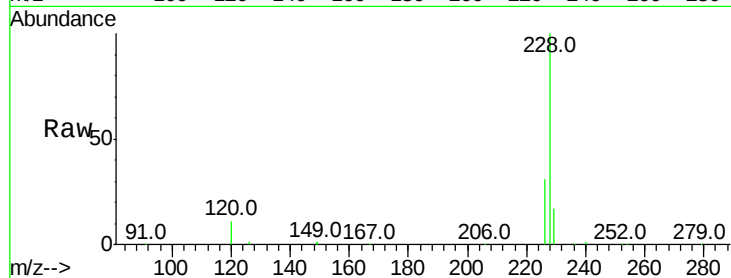
Tot Ion:228 Resp: 166597

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

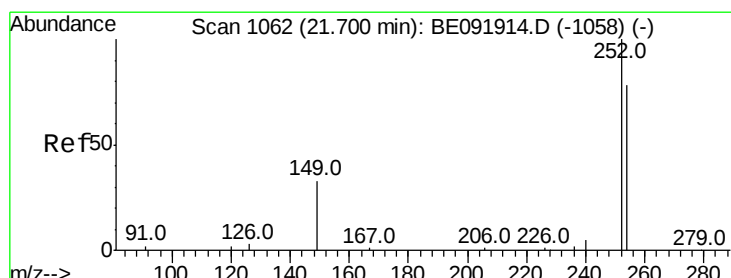
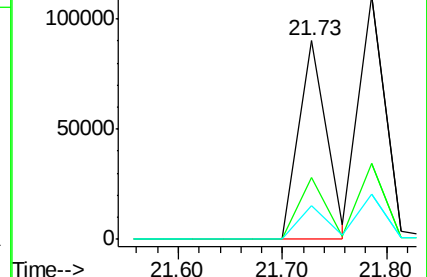
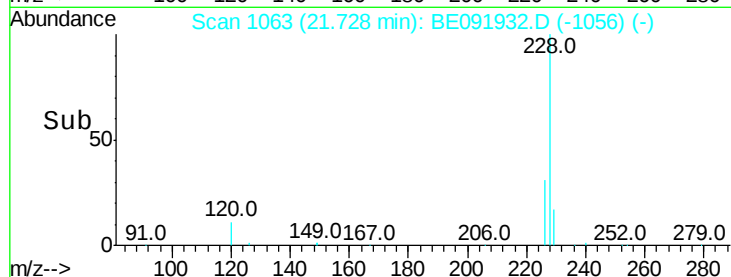
229 16.7 15.8 23.8



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: 2.48 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

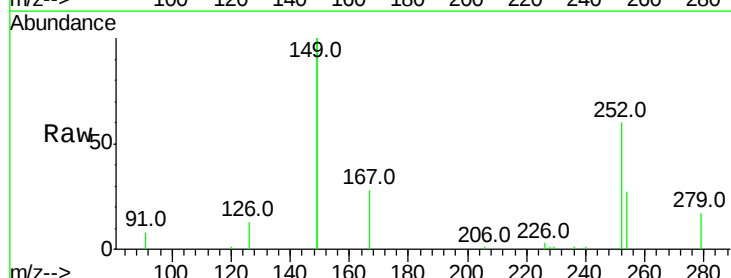
Tgt Ion:252 Resp: 14623

Ion Ratio Lower Upper

252 100

254 45.2 61.5 92.3#

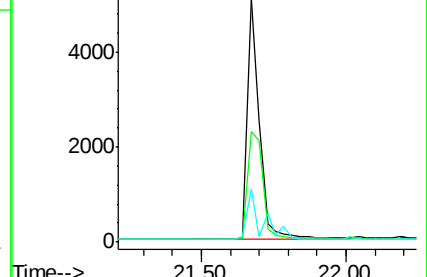
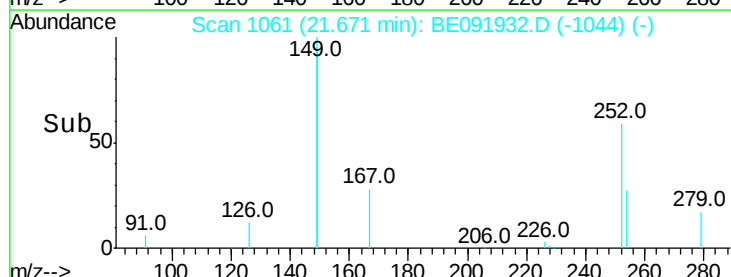
126 21.7 2.5 3.7#

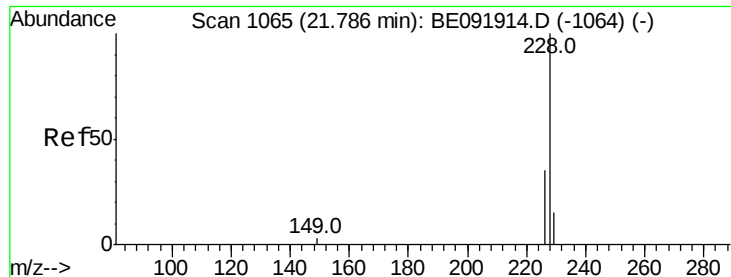


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 3.78 ng/mL

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

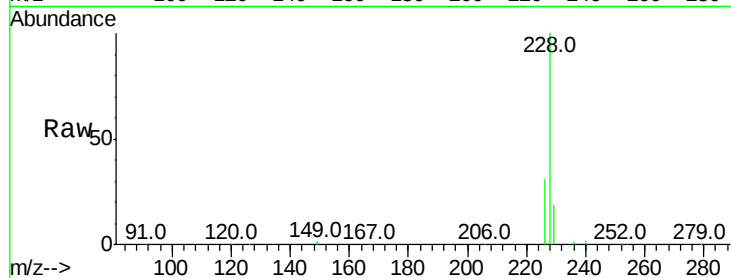
Tot Ion:228 Resp: 200751

Ion Ratio Lower Upper

228 100

226 31.0 27.0 40.6

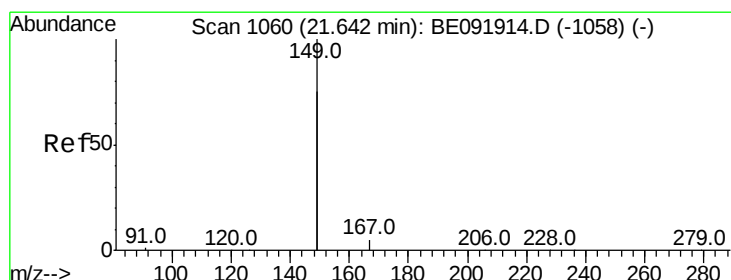
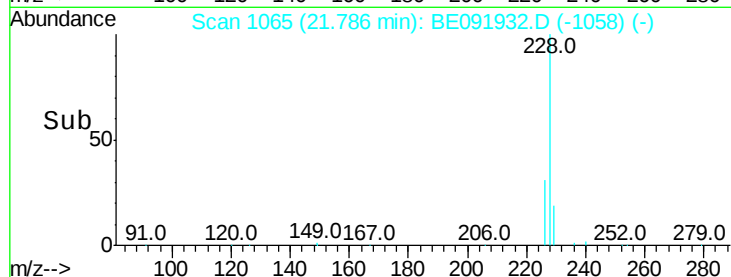
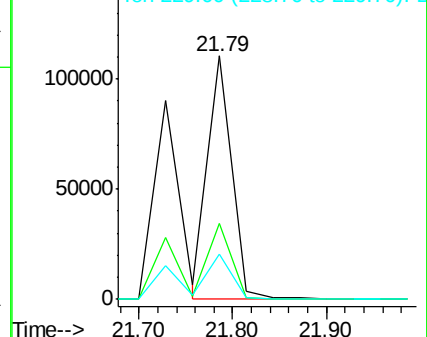
229 18.6 13.8 20.8



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: 3.51 ng/mL

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

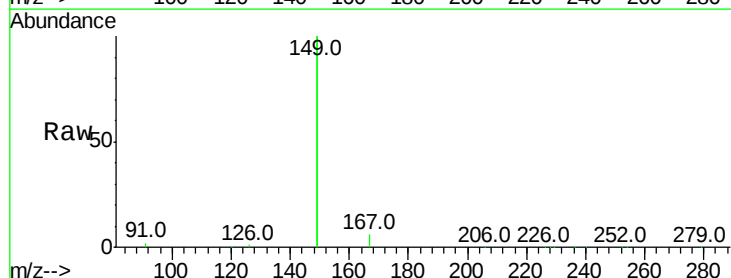
Tgt Ion:149 Resp: 110055

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

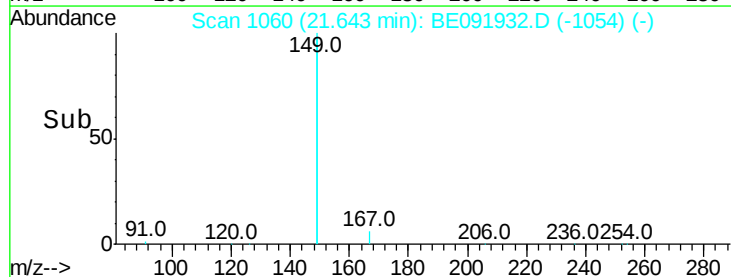
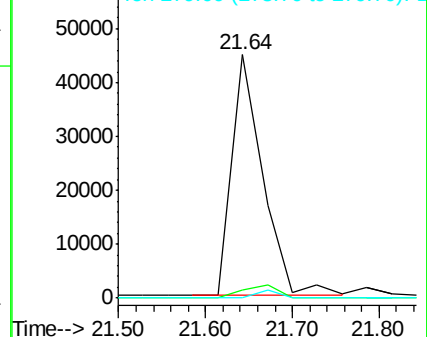
279 0.0 0.0 0.0

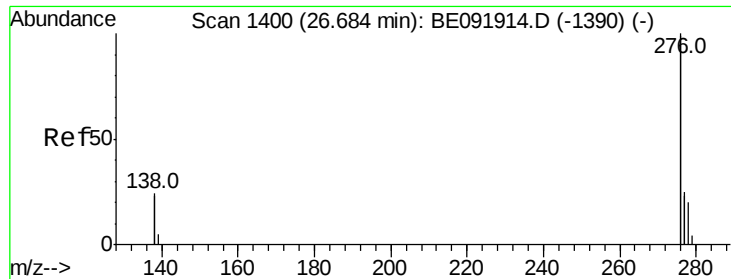


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

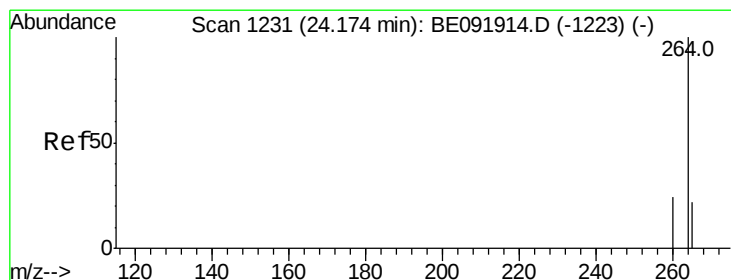
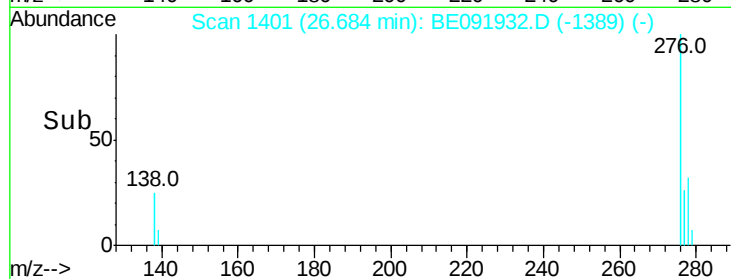
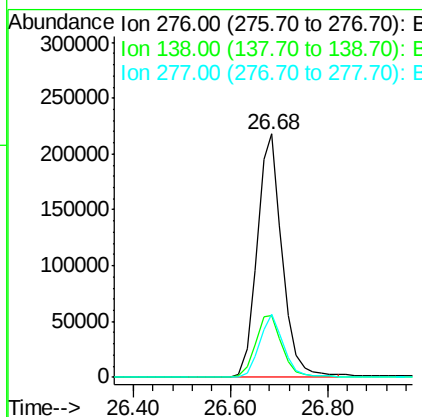
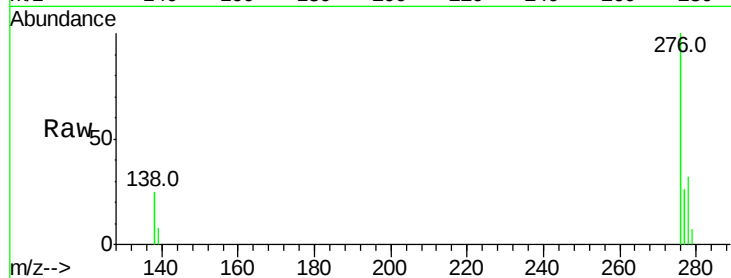




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 4.32 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091932.D
 Acq: 15 Jun 2016 19:39

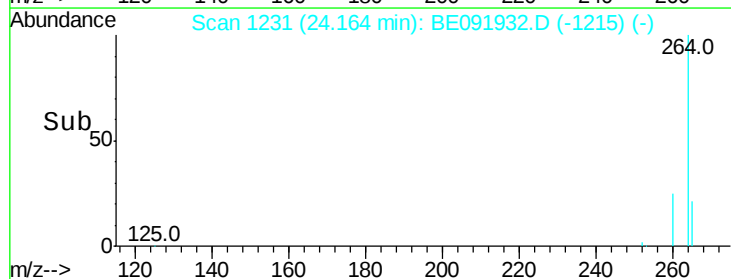
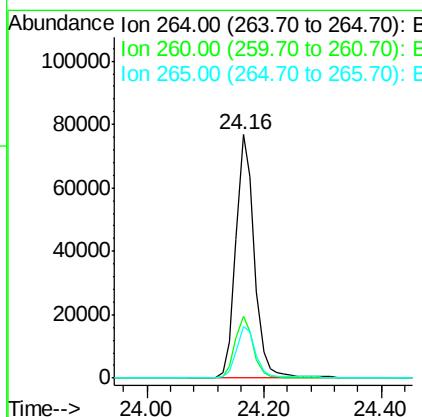
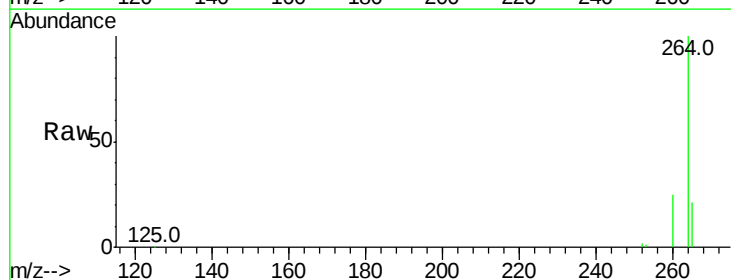
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BSD

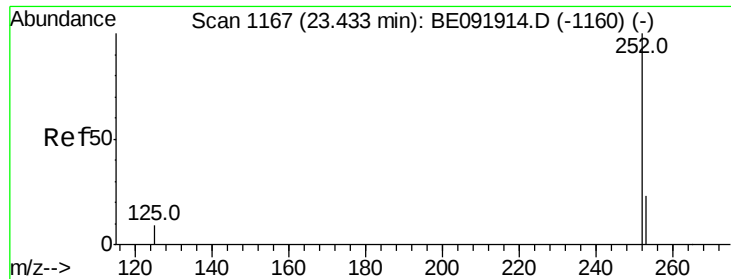
Tot Ion:276 Resp: 786107
 Ion Ratio Lower Upper
 276 100
 138 26.9 19.7 29.5
 277 25.0 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.16 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BE091932.D
 Acq: 15 Jun 2016 19:39

Tgt Ion:264 Resp: 167904
 Ion Ratio Lower Upper
 264 100
 260 25.5 20.3 30.5
 265 21.0 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 3.68 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

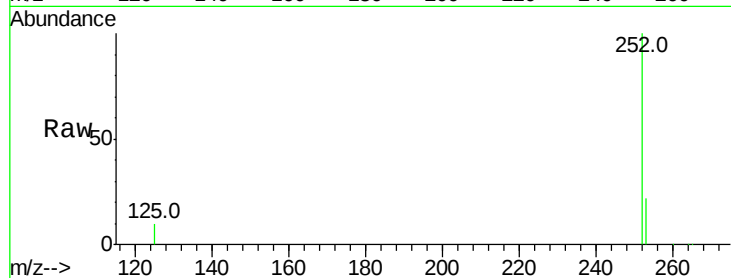
Tot Ion:252 Resp: 158809

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

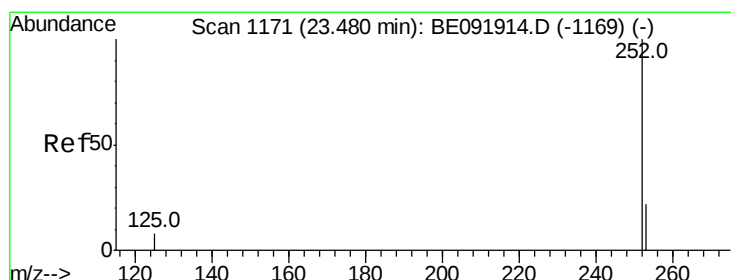
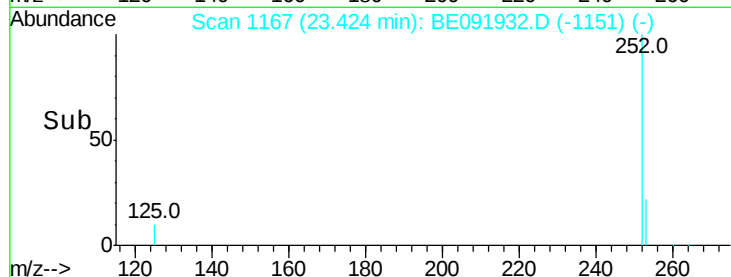
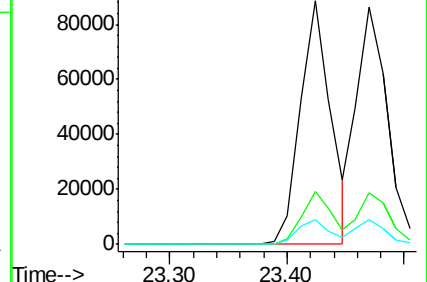
125 10.3 9.4 14.2



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: 4.03 ng

RT: 23.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

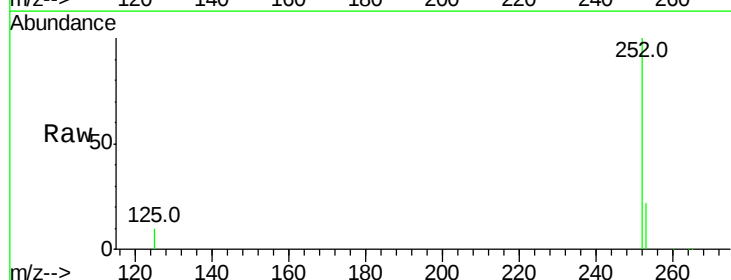
Tgt Ion:252 Resp: 159170

Ion Ratio Lower Upper

252 100

253 21.6 19.4 29.2

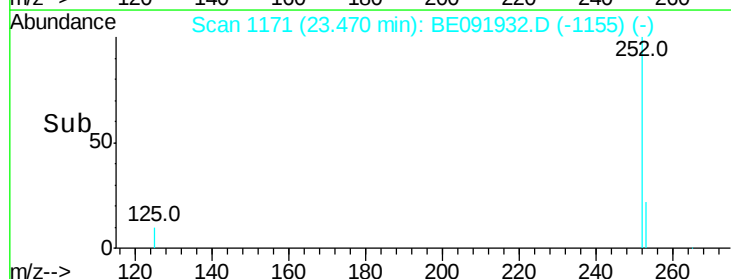
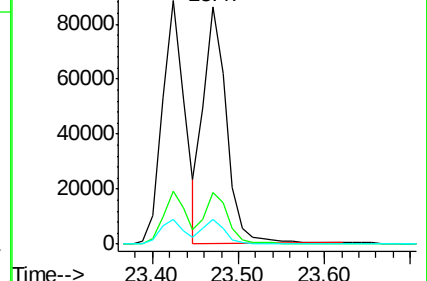
125 10.4 8.3 12.5

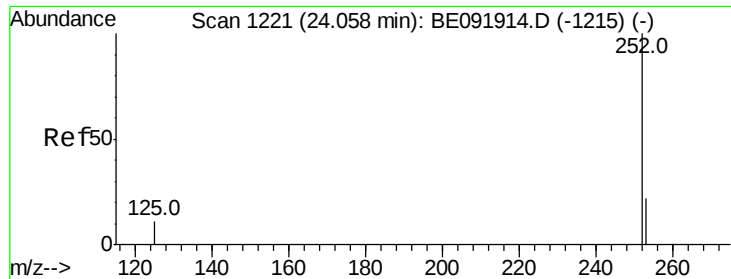


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 3.95 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD

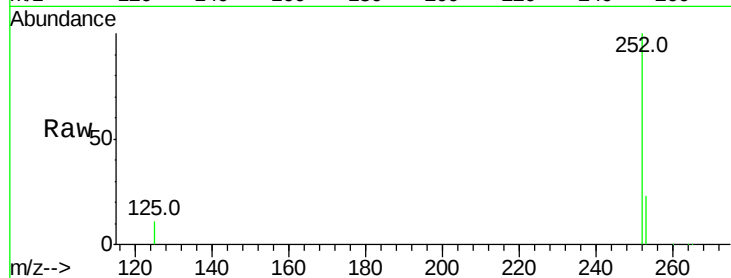
Tot Ion:252 Resp: 148818

Ion Ratio Lower Upper

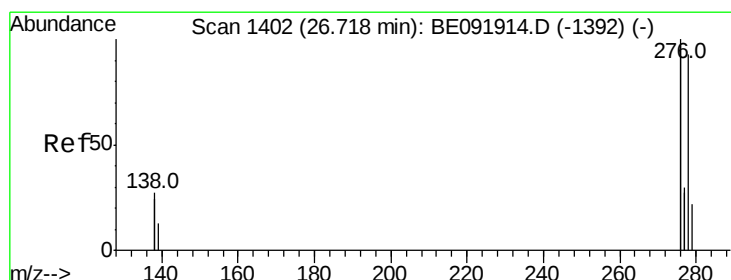
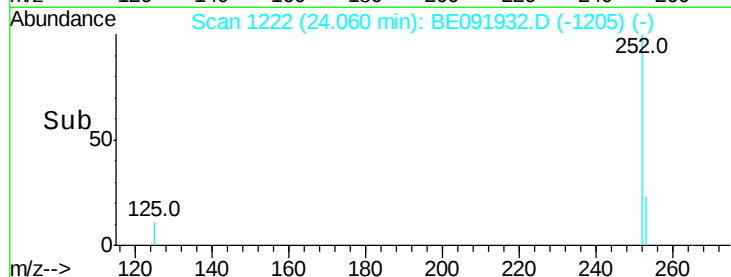
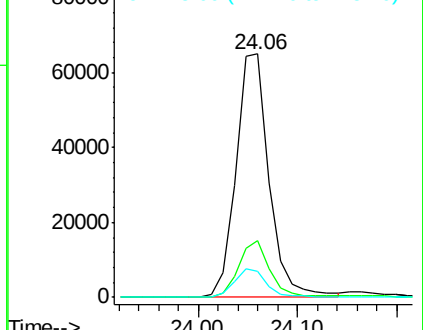
252 100

253 23.1 18.9 28.3

125 10.7 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: 4.55 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091932.D

Acq: 15 Jun 2016 19:39

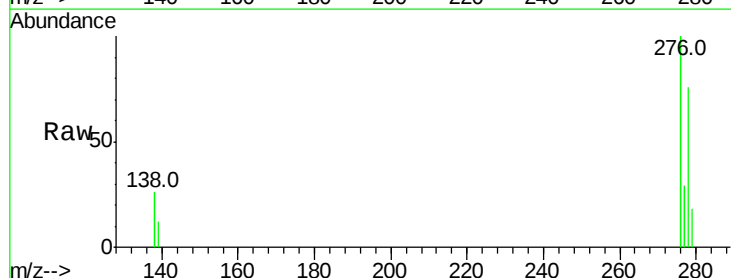
Tgt Ion:278 Resp: 166743

Ion Ratio Lower Upper

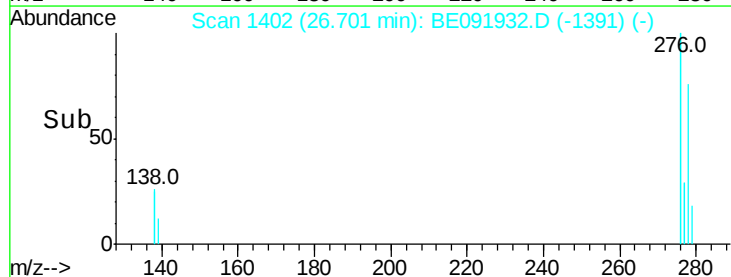
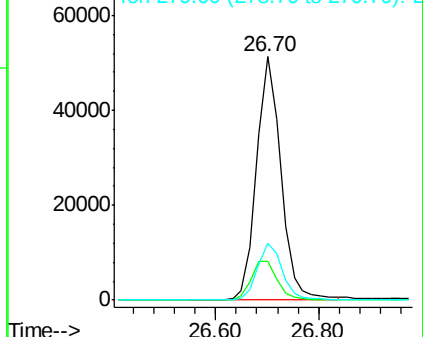
278 100

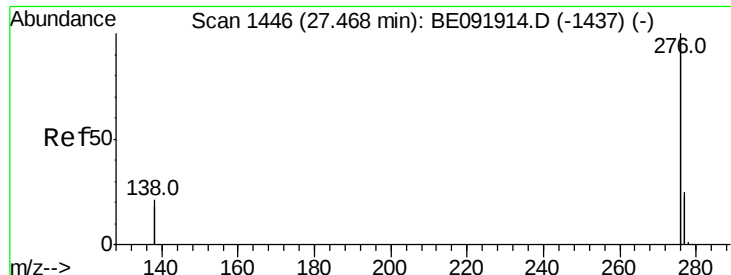
139 16.1 12.6 18.8

279 23.4 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: 4.53 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE091932.D

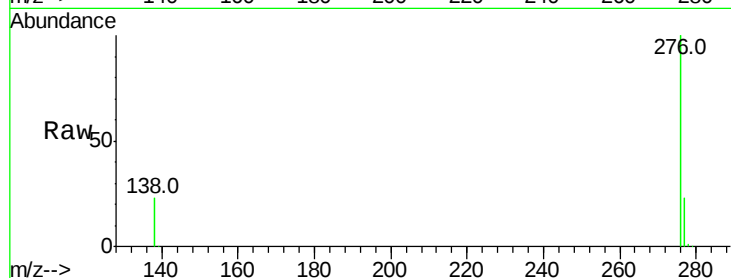
Acq: 15 Jun 2016 19:39

Instrument :

BNA_E

ClientSampleId :

PB91035BSD



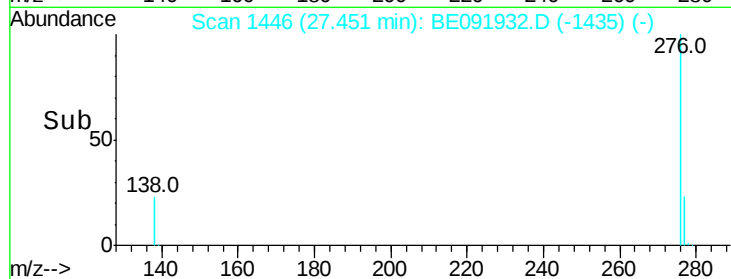
Tot Ion:276 Resp: 686429

Ion Ratio Lower Upper

276 100

277 22.9 19.5 29.3

138 22.8 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

