

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091920.D
 Acq On : 15 Jun 2016 12:05
 Operator : UM/SJ
 Sample : PB91033BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91033BS

Quant Time: Jun 15 14:19:07 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	8.20	152	31547	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	135366	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	100084	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	201201	5.00	ng	0.00
31) Chrysene-d12	21.76	240	331368	5.00	ng	0.00
40) Perylene-d12	24.17	264	230377	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	44397	7.20	ng	0.00
5) Phenol-d6	7.35	99	64167	6.36	ng	0.00
9) Nitrobenzene-d5	9.37	82	39590	4.24	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	22046	8.46	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	96397	3.79	ng	0.00
34) Terphenyl-d14	20.22	244	139744	3.44	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.47	88	12108	2.72	ng	91
3) n-Nitrosodimethylamine	3.80	42	19536	3.86	ng	81
6) bis(2-Chloroethyl)ether	7.61	93	33045	3.66	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	28529	3.34	ng	# 99
10) Nitrobenzene	9.40	77	39955	3.77	ng	# 100
11) bis(2-Chloroethoxy)methane	10.42	93	43922	3.71	ng	# 19
12) Naphthalene	11.04	128	107705	3.64	ng	# 94
13) Hexachlorobutadiene	11.34	225	17195	3.60	ng	99
14) 2-Methylnaphthalene	12.68	142	77785	3.88	ng	97
18) Acenaphthylene	14.56	152	391366	3.85	ng	# 61
19) 2,6-Dinitrotoluene	14.44	165	83395	3.81	ng	# 37
20) Acenaphthene	14.92	154	111679	3.99	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	94242	4.71	ng	# 78
22) Fluorene	15.90	166	105513	3.79	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	49373	3.60	ng	94
25) 4-Bromophenyl-phenylether	16.78	248	30834	3.96	ng	97
26) Hexachlorobenzene	16.90	284	30394	3.81	ng	96
27) Pentachlorophenol	17.25	266	31218	7.06	ng	# 86
28) Phenanthrene	17.64	178	191627	3.81	ng	99
29) Anthracene	17.73	178	183230	4.12	ng	100
30) Fluoranthene	19.65	202	816941	3.79	ng	# 86
32) Benzidine	19.83	184	71425	3.52	ng	# 91
33) Pyrene	19.99	202	891855	3.96	ng	# 64
35) Benzo(a)anthracene	21.78	228	528794	10.16	ng	# 90
36) 3,3'-Dichlorobenzidine	21.67	252	39627	4.70	ng	# 59
37) Chrysene	21.78	228	532731	7.01	ng	99
38) Bis(2-ethylhexyl)phthalate	21.64	149	186594	3.94	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	1023978	3.94	ng	98
41) Benzo(b)fluoranthene	23.42	252	235121	3.98	ng	98
42) Benzo(k)fluoranthene	23.47	252	248559	4.59	ng	95
43) Benzo(a)pyrene	24.06	252	223882	4.33	ng	# 97
44) Dibenzo(a,h)anthracene	26.70	278	215485	4.28	ng	96
45) Benzo(g,h,i)perylene	27.45	276	866732	4.17	ng	97

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 15 14:19:07 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

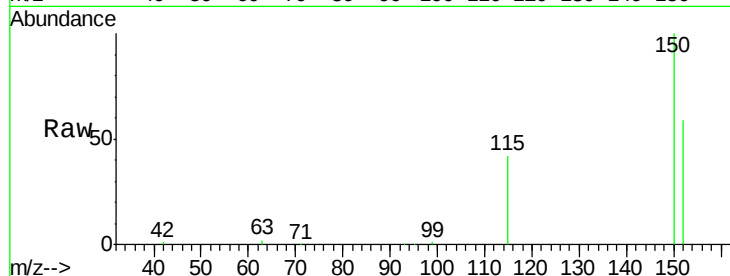
Tgt Ion:152 Resp: 31547

Ion Ratio Lower Upper

152 100

150 169.6 123.9 185.9

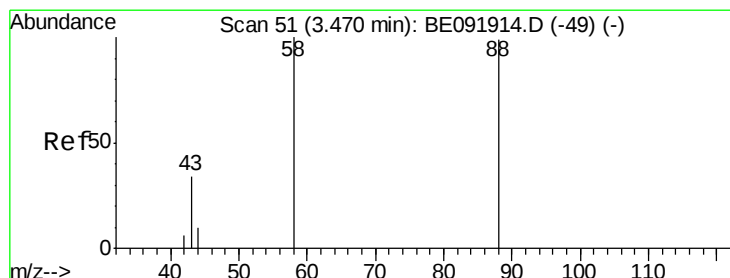
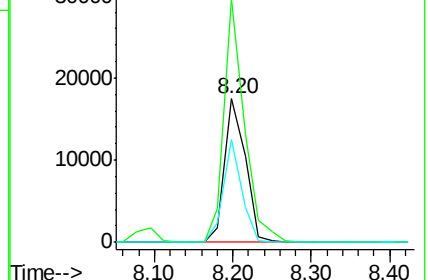
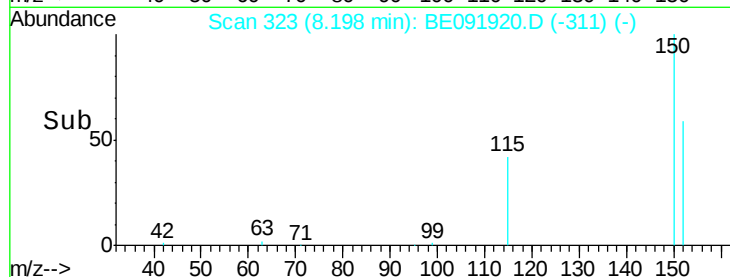
115 71.3 48.3 72.5



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: 2.72 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

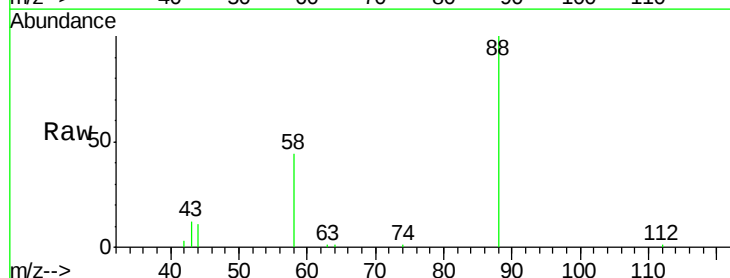
Tgt Ion: 88 Resp: 12108

Ion Ratio Lower Upper

88 100

58 88.4 63.0 94.4

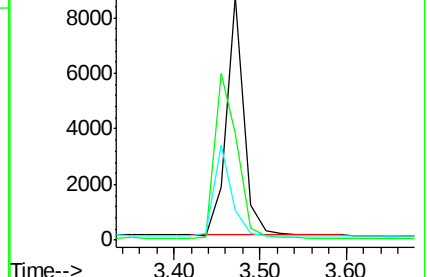
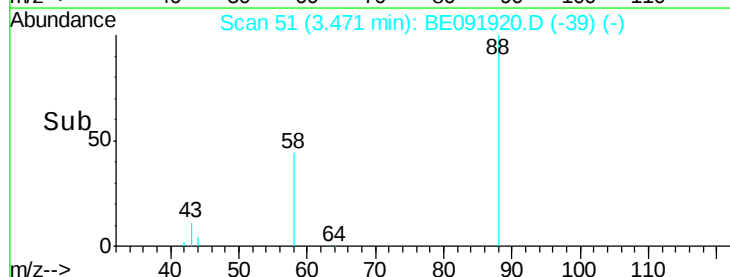
43 38.5 29.1 43.7



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: 3.86 ng

RT: 3.80 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

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PB91033BS

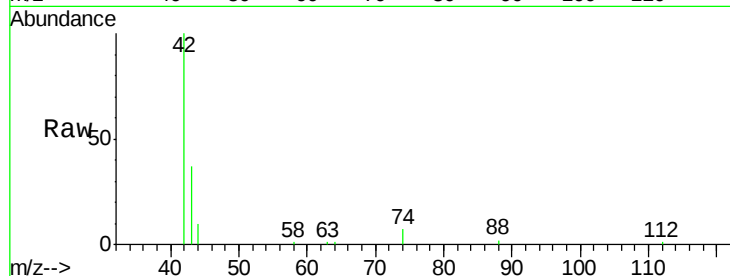
Tgt Ion: 42 Resp: 19536

Ion Ratio Lower Upper

42 100

74 94.8 93.4 140.0

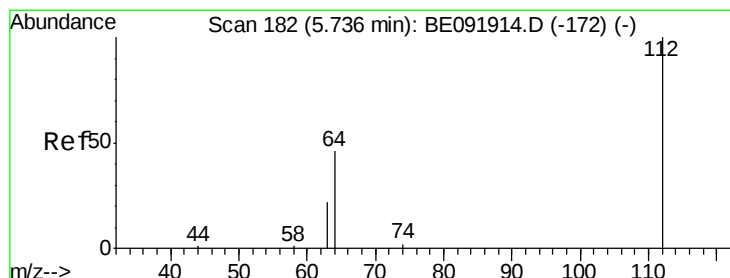
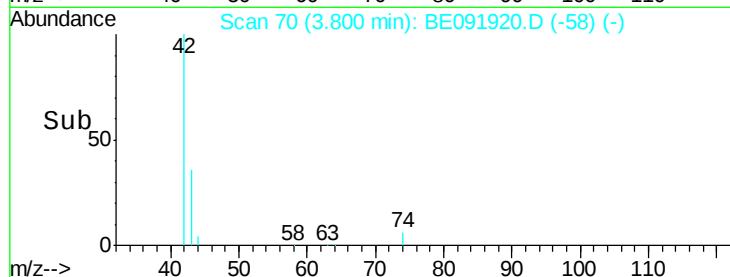
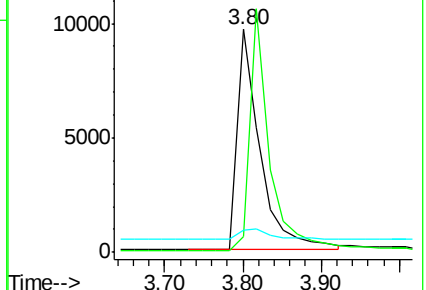
44 5.9 5.0 7.6



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 7.20 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

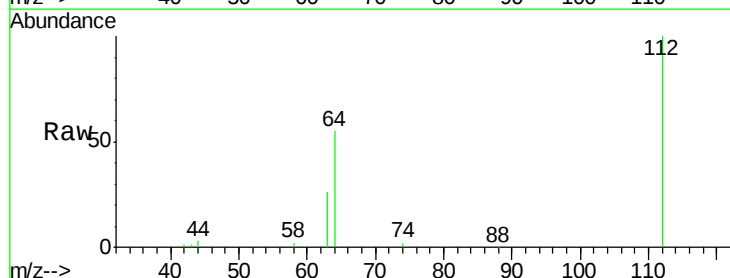
Tgt Ion: 112 Resp: 44397

Ion Ratio Lower Upper

112 100

64 65.9 53.7 80.5

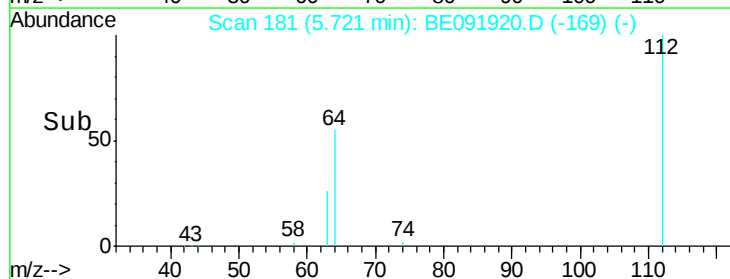
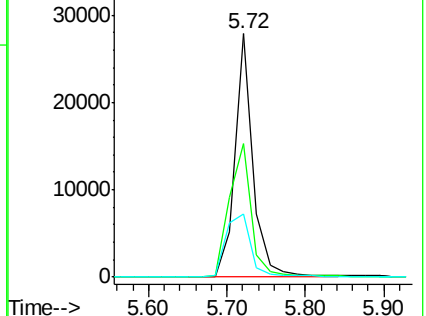
63 35.4 29.5 44.3

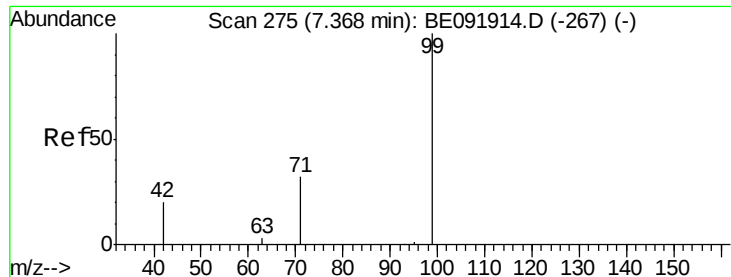


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.36 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

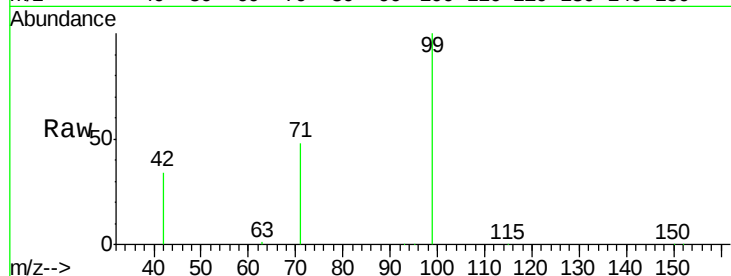
Tgt Ion: 99 Resp: 64167

Ion Ratio Lower Upper

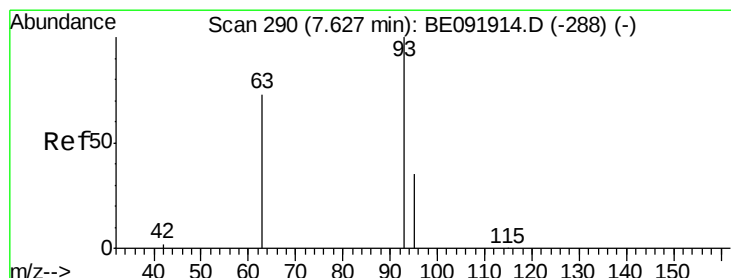
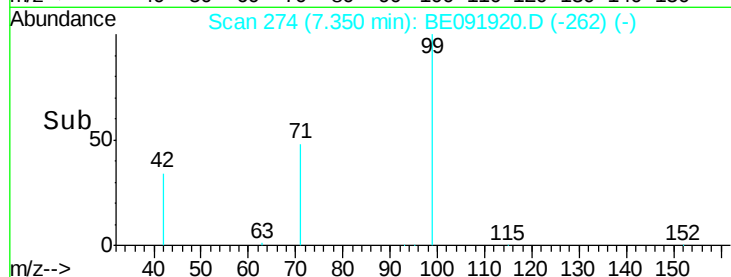
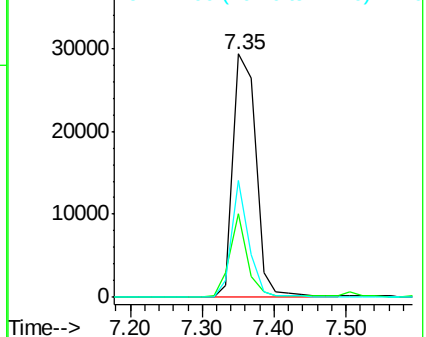
99 100

42 26.2 19.6 29.4

71 35.9 28.1 42.1



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 3.66 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

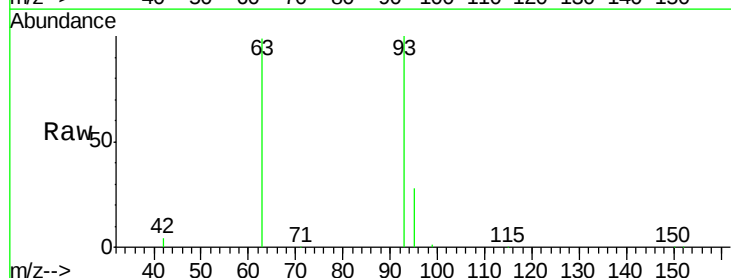
Tgt Ion: 93 Resp: 33045

Ion Ratio Lower Upper

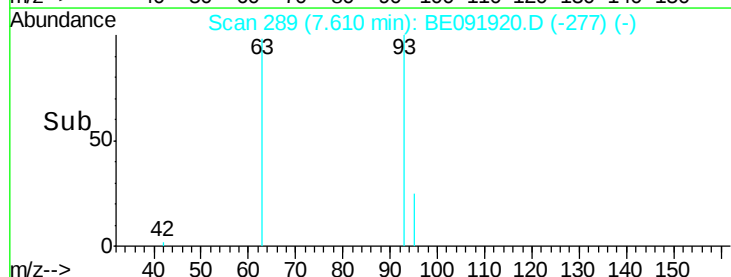
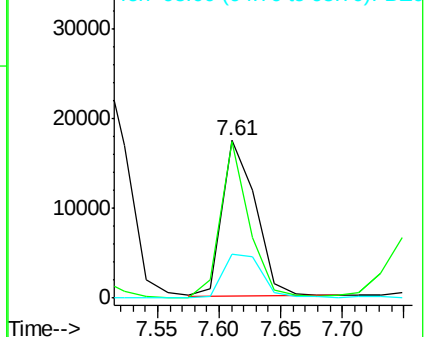
93 100

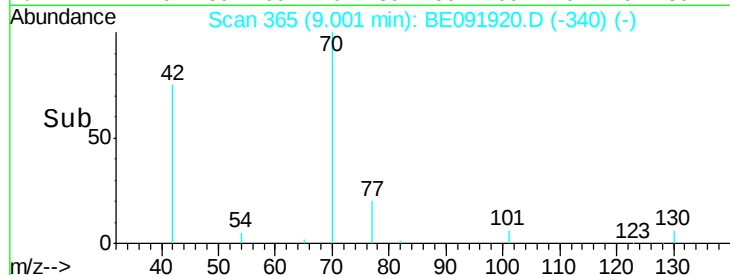
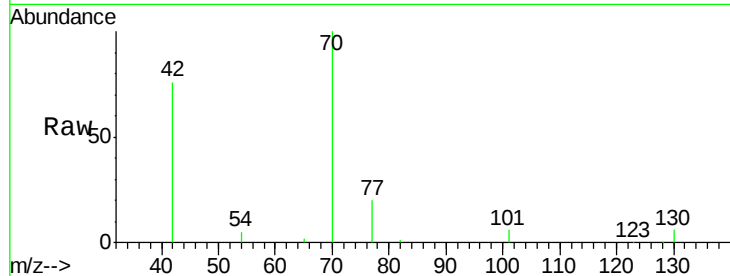
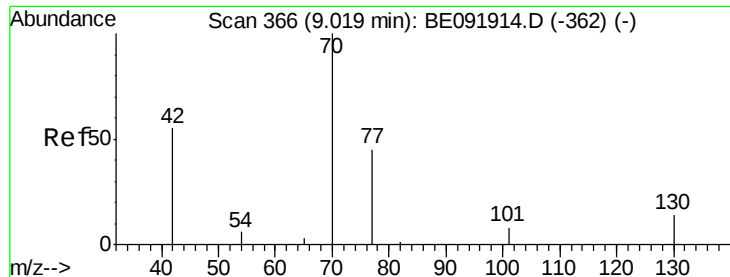
63 85.4 66.2 99.4

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: 3.34 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

Tgt Ion: 70 Resp: 28529

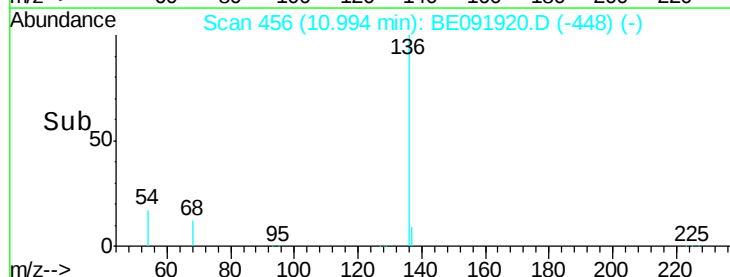
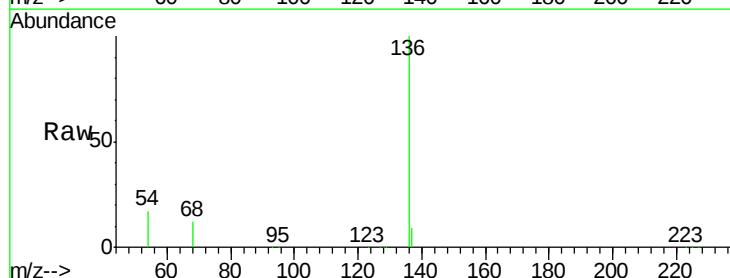
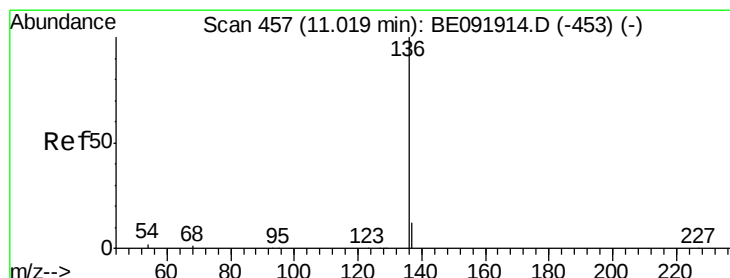
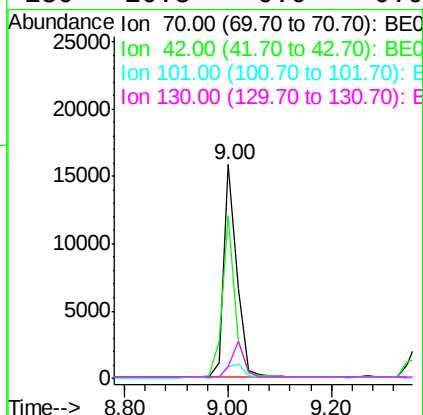
Ion Ratio Lower Upper

70 100

42 73.7 58.4 87.6

101 8.1 6.4 9.6

130 16.3 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: BE091920.D

Acq: 15 Jun 2016 12:05

Tgt Ion: 136 Resp: 135366

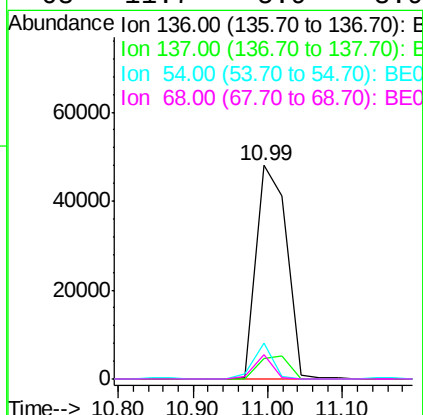
Ion Ratio Lower Upper

136 100

137 9.4 8.3 12.5

54 16.8 8.2 12.4#

68 11.7 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.24 ng

RT: 9.37 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

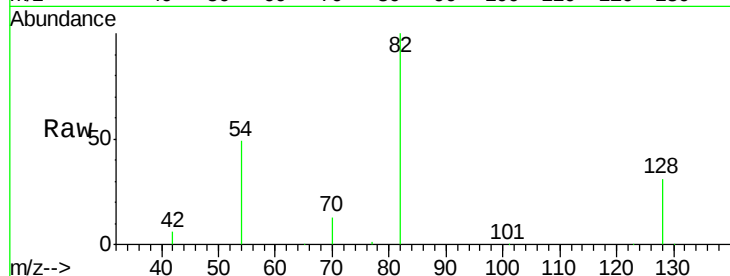
Tgt Ion: 82 Resp: 39590

Ion Ratio Lower Upper

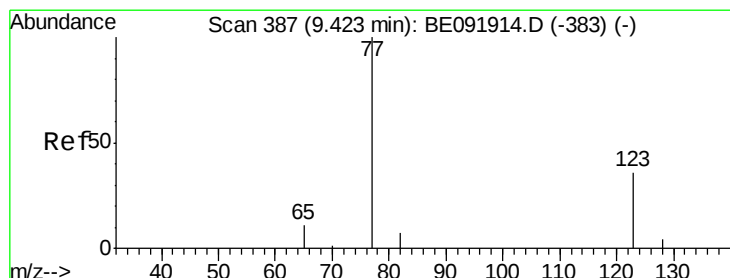
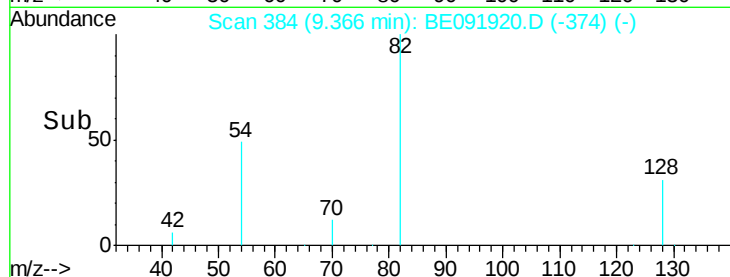
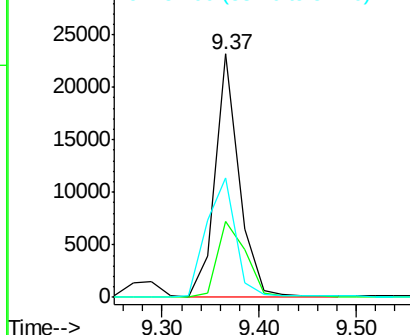
82 100

128 31.3 39.5 59.3#

54 49.2 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: 3.77 ng

RT: 9.40 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

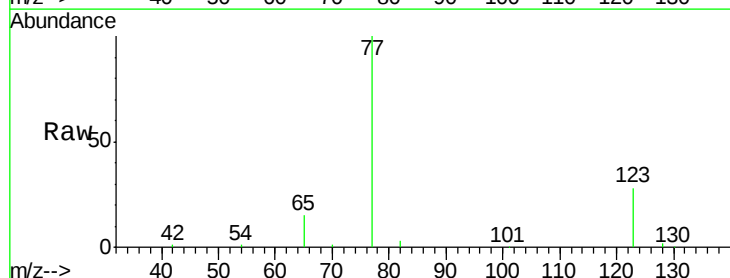
Tgt Ion: 77 Resp: 39955

Ion Ratio Lower Upper

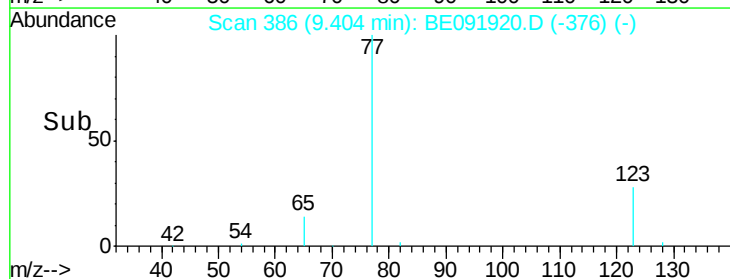
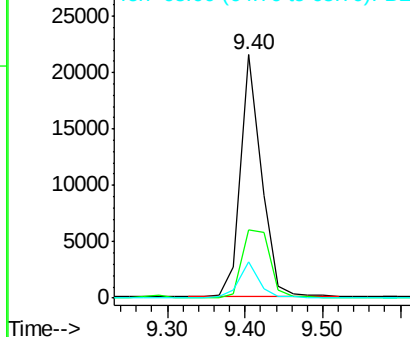
77 100

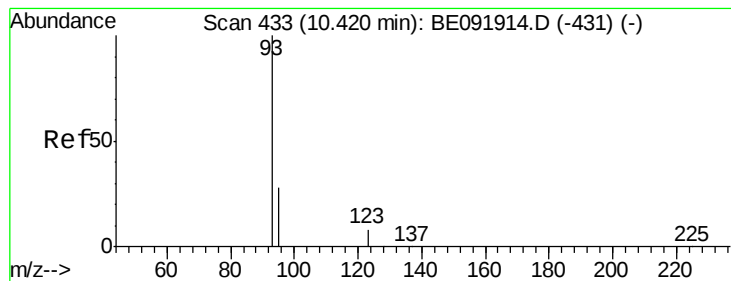
123 37.6 0.0 0.0#

65 13.8 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

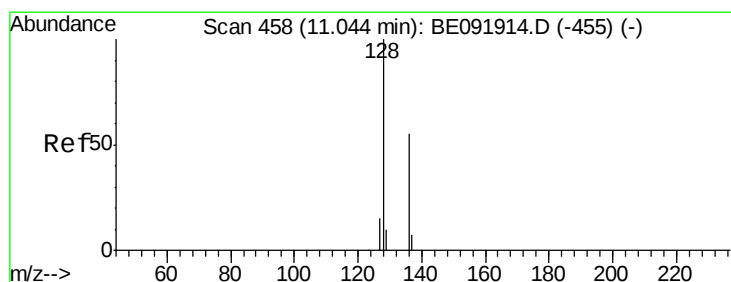
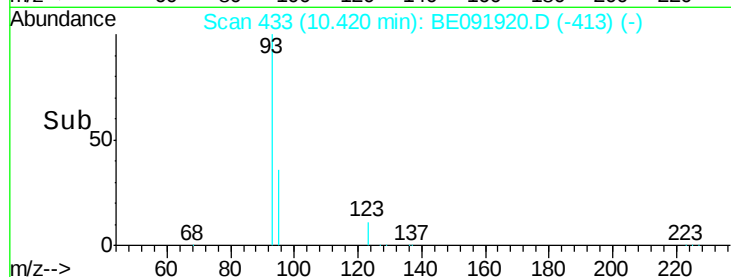
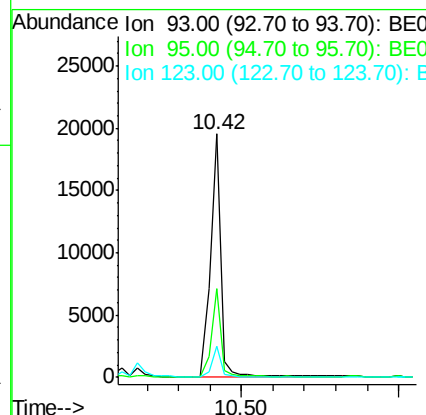
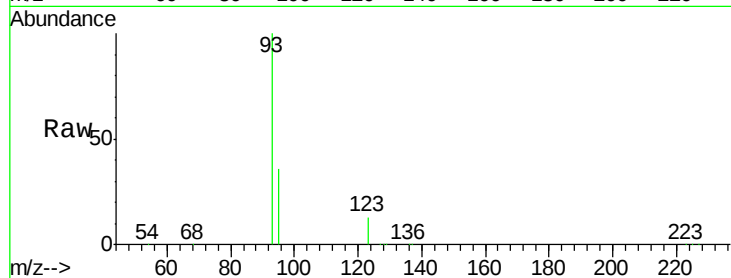




#11
bis(2-Chloroethoxy)methane
Concen: 3.71 ng
RT: 10.42 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

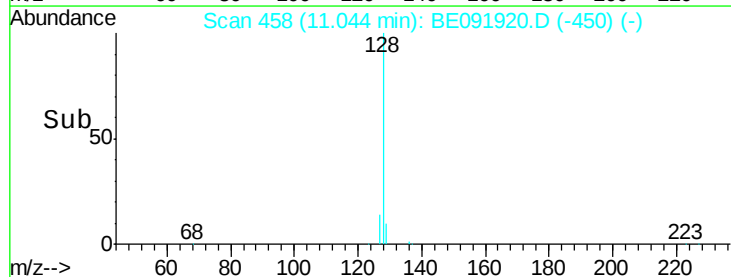
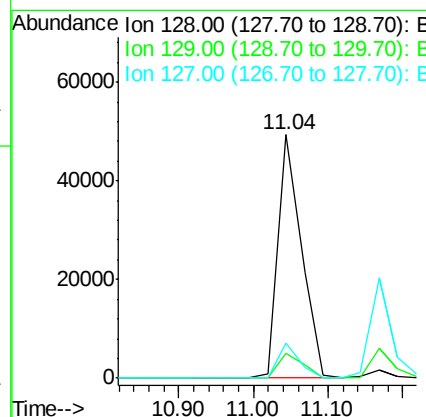
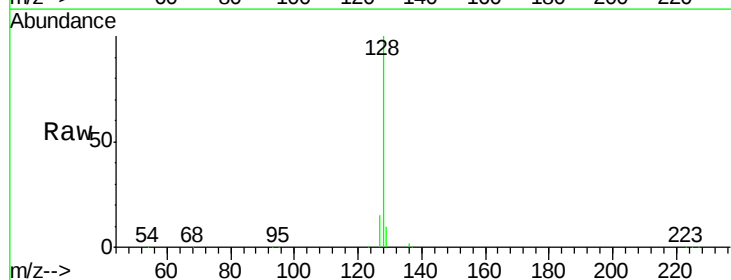
Instrument :
BNA_E
ClientSampleId :
PB91033BS

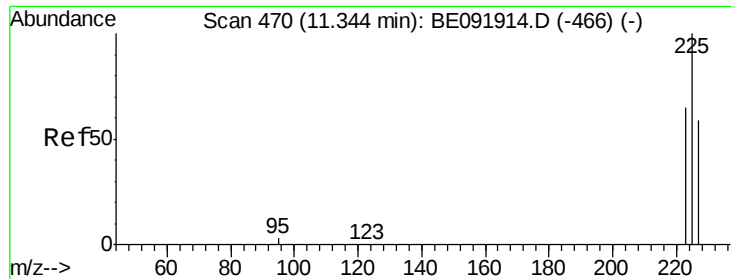
Tgt Ion: 93 Resp: 43922
Ion Ratio Lower Upper
93 100
95 32.7 57.6 86.4#
123 10.5 100.2 150.4#



#12
Naphthalene
Concen: 3.64 ng
RT: 11.04 min Scan# 458
Delta R.T. -0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

Tgt Ion: 128 Resp: 107705
Ion Ratio Lower Upper
128 100
129 10.1 10.4 15.6#
127 14.6 10.2 15.2

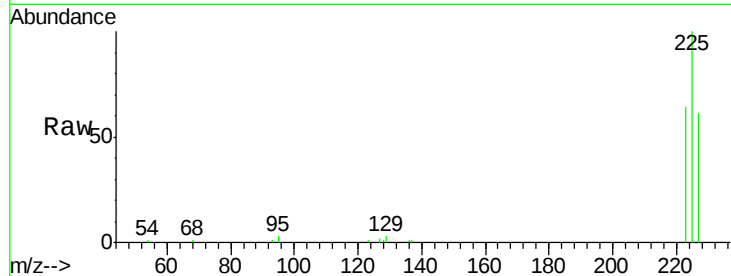




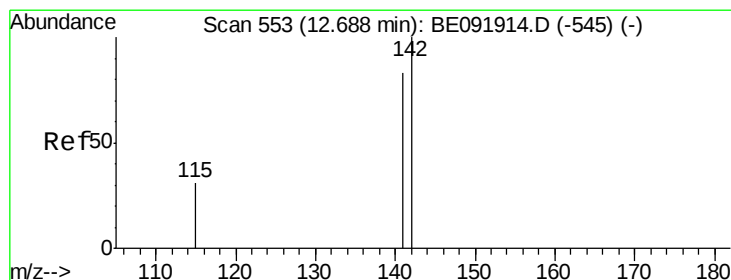
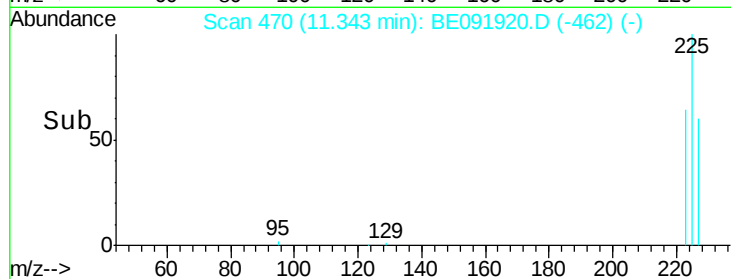
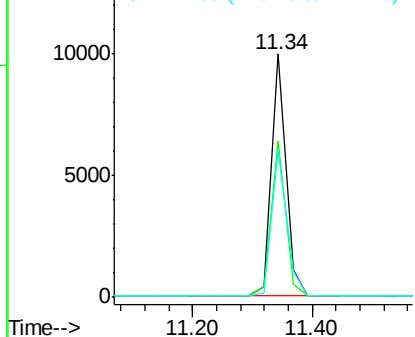
#13
Hexachlorobutadiene
Concen: 3.60 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

Instrument :
BNA_E
ClientSampleId :
PB91033BS

Tgt Ion: 225 Resp: 17195
Ion Ratio Lower Upper
225 100
223 63.5 49.8 74.8
227 62.8 50.6 75.8

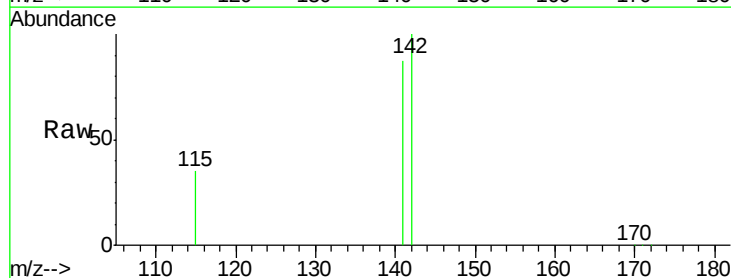


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

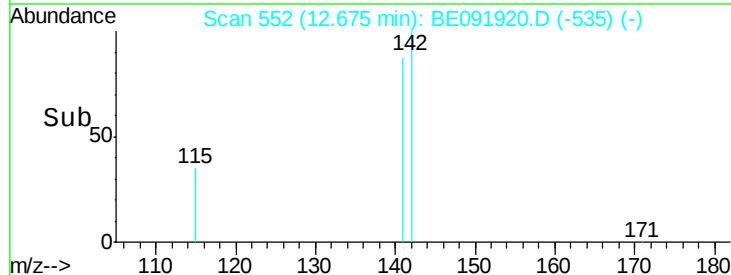
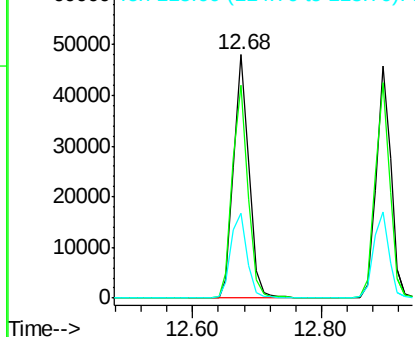


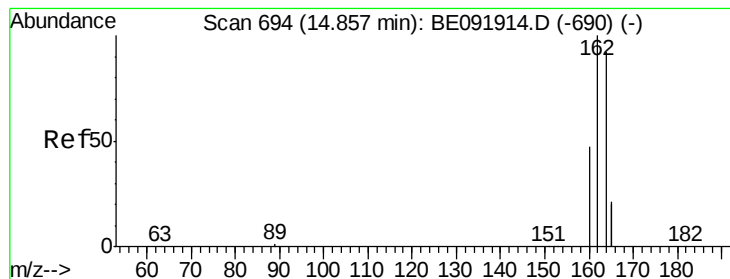
#14
2-Methylnaphthalene
Concen: 3.88 ng
RT: 12.68 min Scan# 552
Delta R.T. -0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

Tgt Ion: 142 Resp: 77785
Ion Ratio Lower Upper
142 100
141 87.2 71.9 107.9
115 34.7 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: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

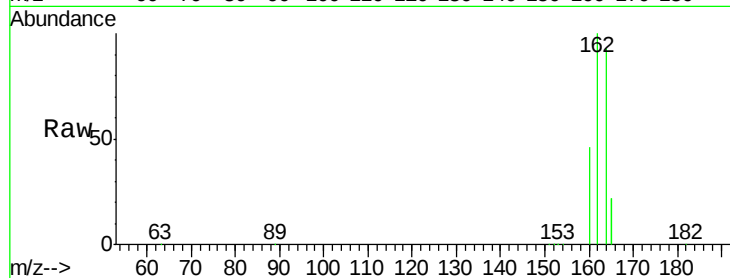
Tgt Ion:164 Resp: 100084

Ion Ratio Lower Upper

164 100

162 107.2 71.8 107.8

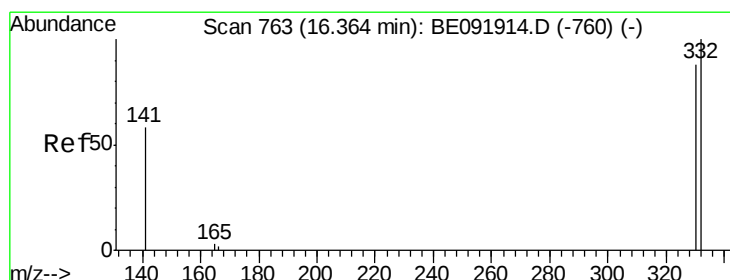
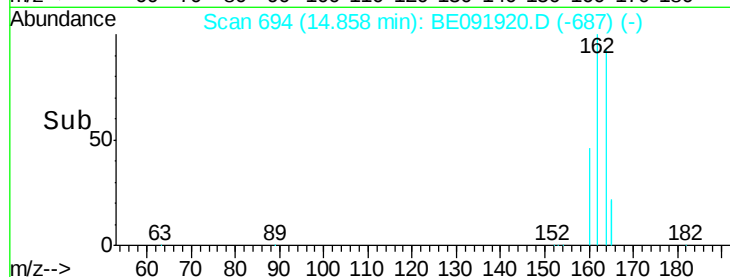
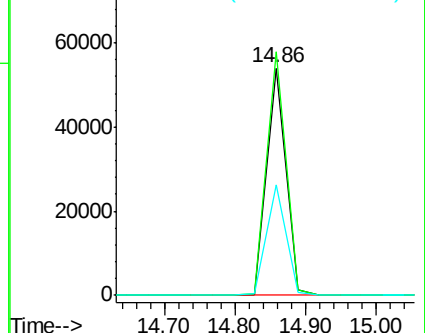
160 48.9 28.0 42.0#



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: 8.46 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

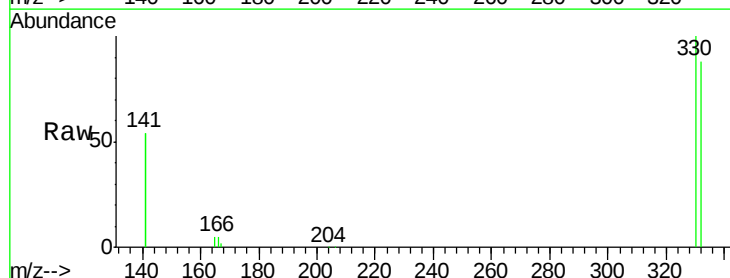
Tgt Ion:330 Resp: 22046

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

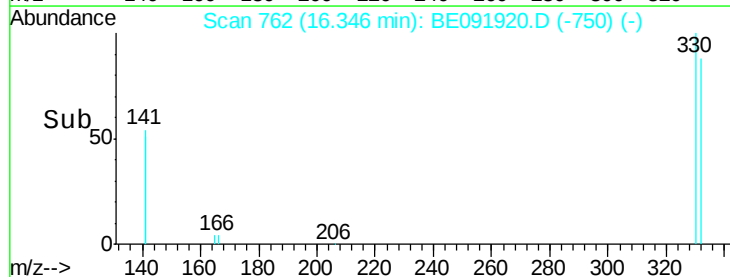
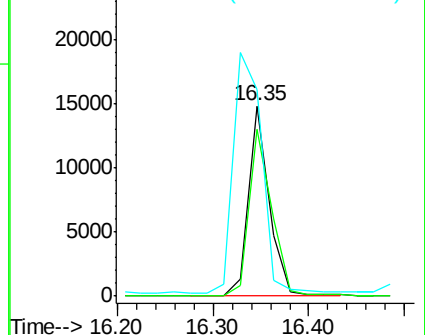
141 173.0 138.4 207.6

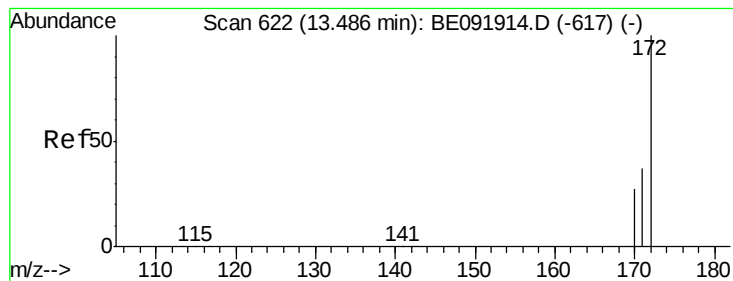


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#17

2-Fluorobiphenyl

Concen: 3.79 ng

RT: 13.48 min Scan# 622

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

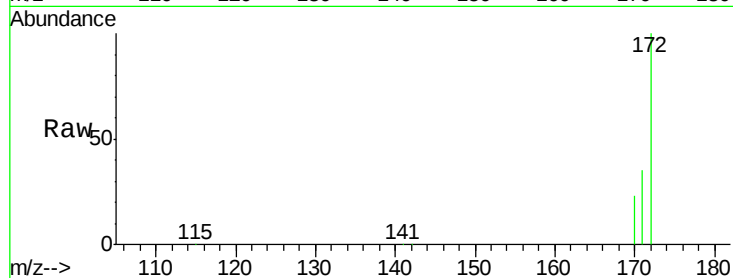
Tgt Ion:172 Resp: 96397

Ion Ratio Lower Upper

172 100

171 35.0 24.3 36.5

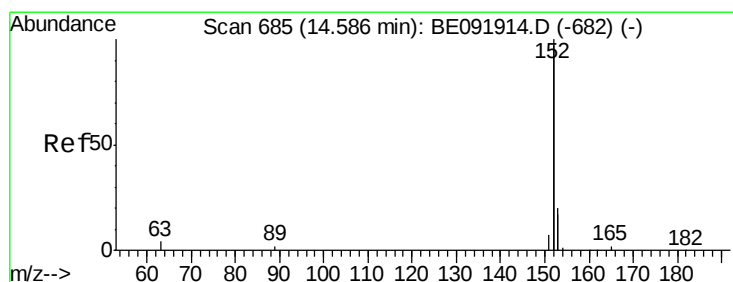
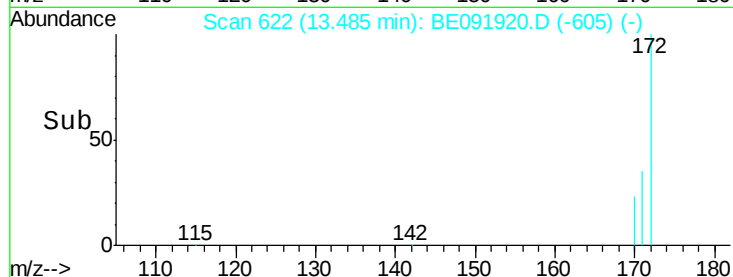
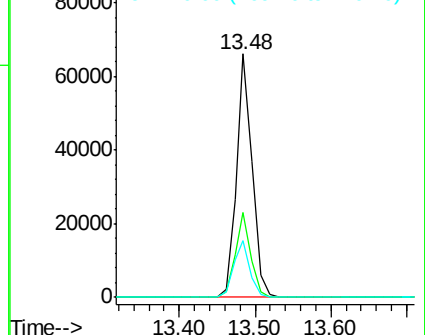
170 23.4 14.9 22.3#



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18

Acenaphthylene

Concen: 3.85 ng

RT: 14.56 min Scan# 684

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

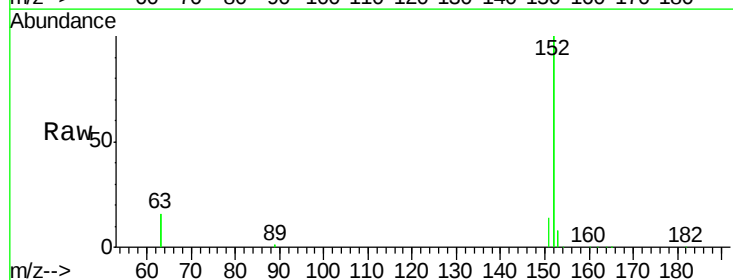
Tgt Ion:152 Resp: 391366

Ion Ratio Lower Upper

152 100

151 5.5 19.4 29.2#

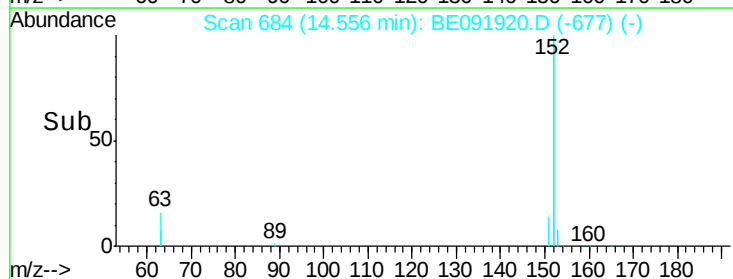
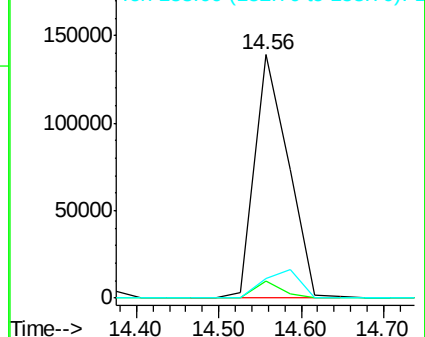
153 0.0 14.4 21.6#

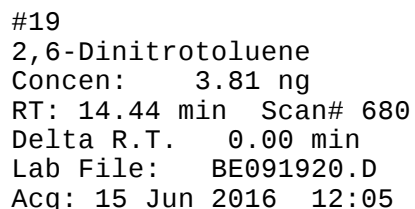


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

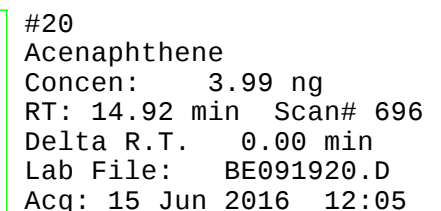
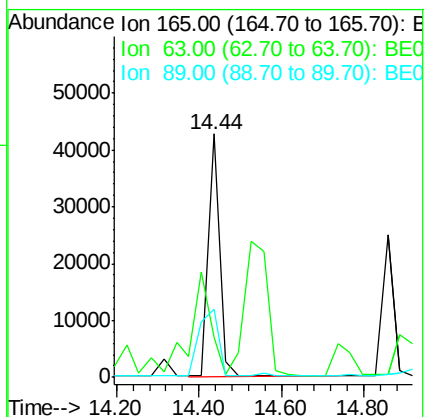
Ion 153.00 (152.70 to 153.70): E



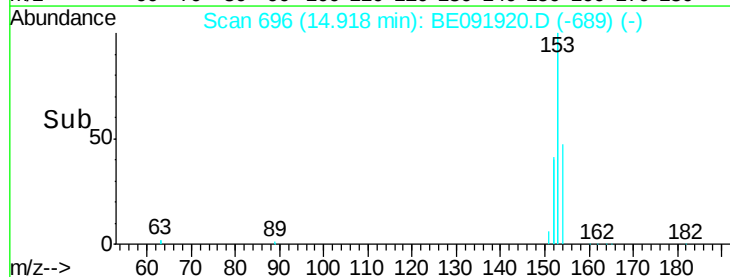
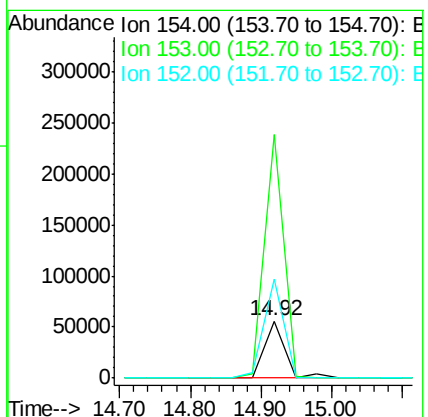


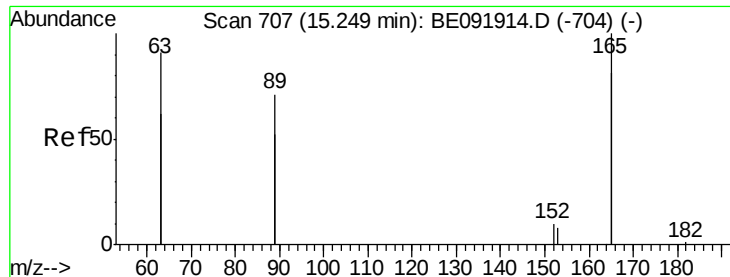
Instrument :
BNA_E
ClientSampleId :
PB91033BS

Tgt	Ion:165	Resp:	83395
Ion	Ratio	Lower	Upper
165	100		
63	0.0	65.9	98.9#
89	47.7	59.1	88.7#



Tgt	Ion:154	Resp:	111679
Ion	Ratio	Lower	Upper
154	100		
153	395.6	88.1	132.1#
152	167.4	44.2	66.2#

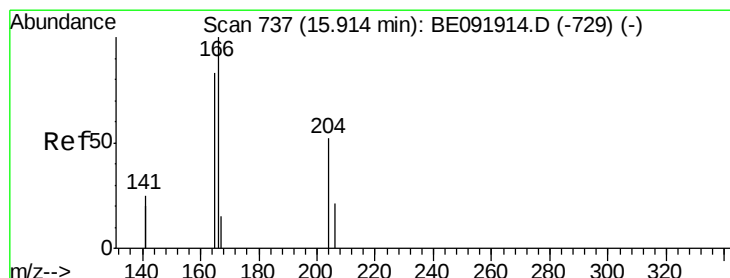
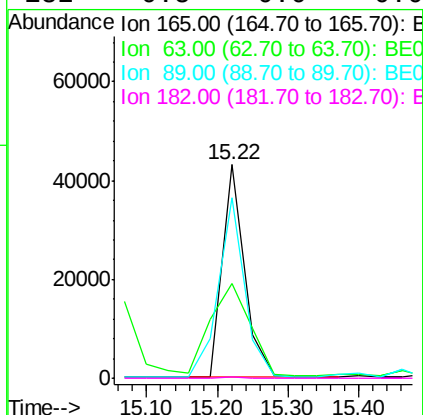
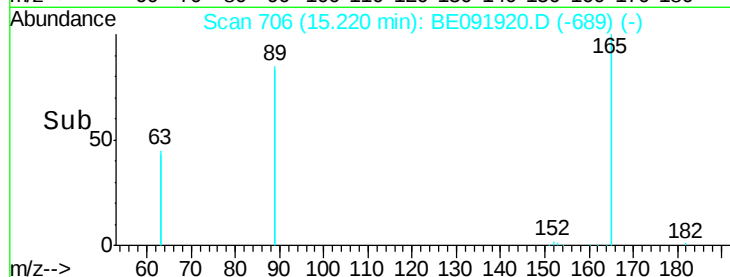
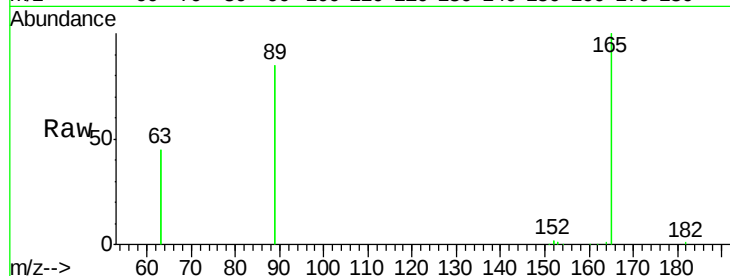




#21
2,4-Dinitrotoluene
Concen: 4.71 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

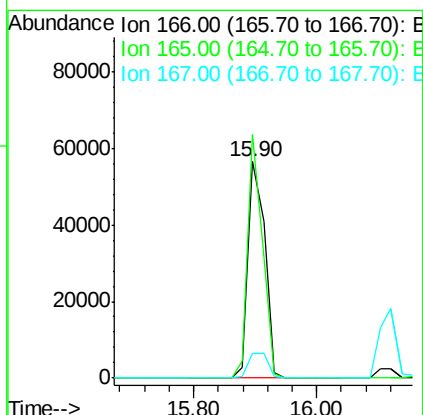
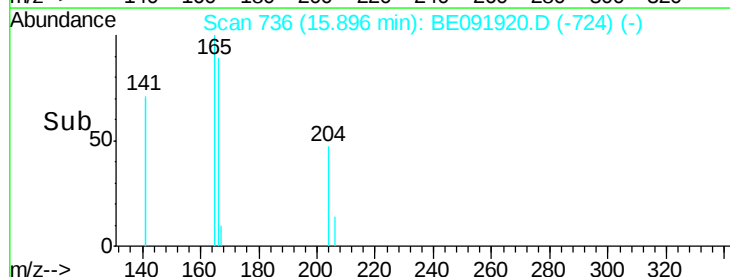
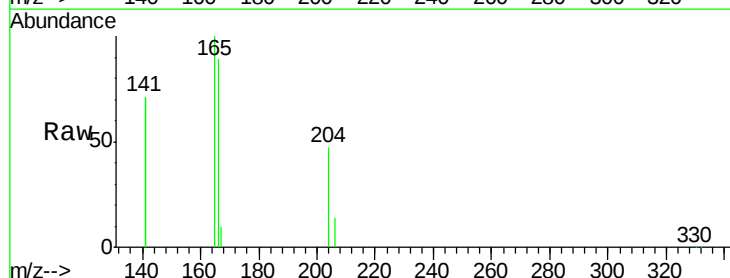
Instrument :
BNA_E
ClientSampleId :
PB91033BS

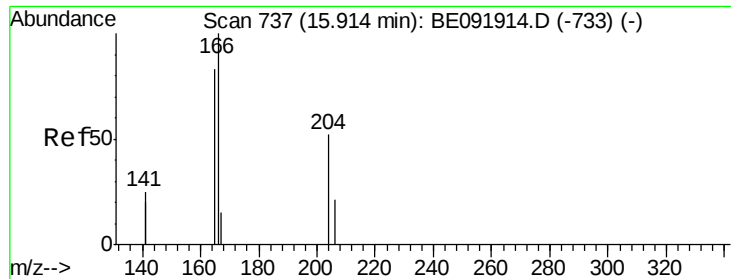
Tgt Ion:165 Resp: 94242
Ion Ratio Lower Upper
165 100
63 80.2 0.0 0.0#
89 100.0 99.8 149.8
182 0.5 0.0 0.0#



#22
Fluorene
Concen: 3.79 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

Tgt Ion:166 Resp: 105513
Ion Ratio Lower Upper
166 100
165 99.3 78.6 117.8
167 13.4 10.8 16.2

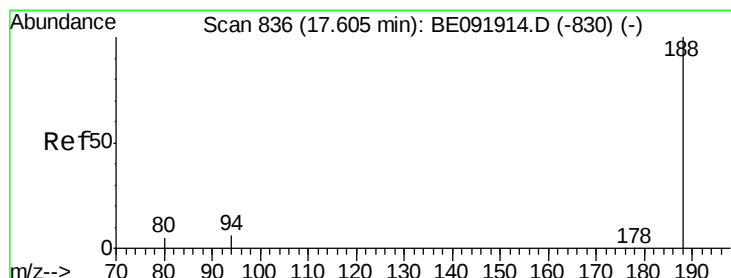
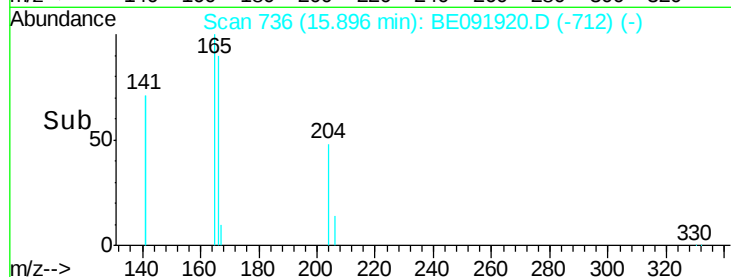
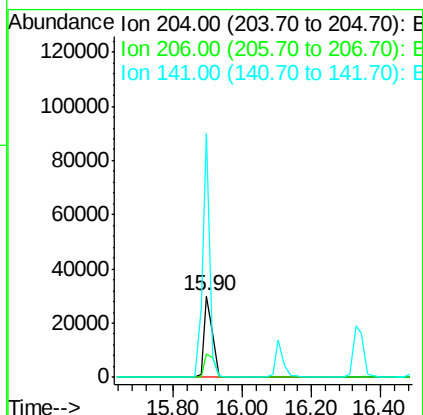
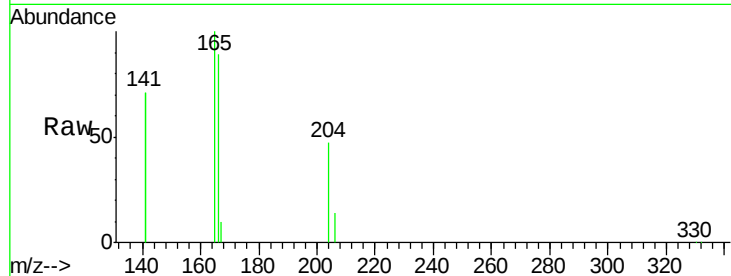




#23
4-Chlorophenyl-phenylether
Concen: 3.60 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

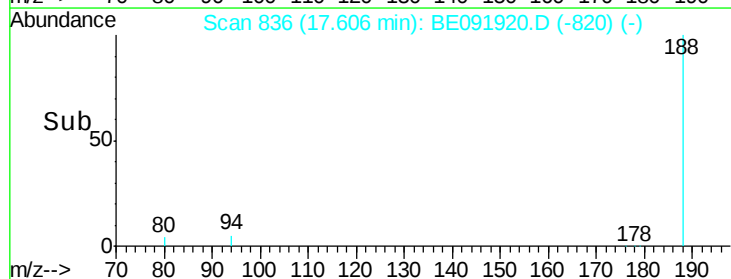
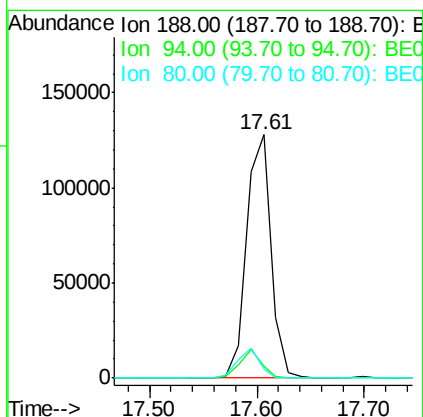
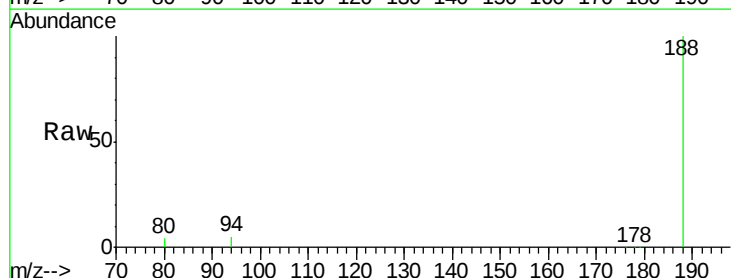
Instrument :
BNA_E
ClientSampleId :
PB91033BS

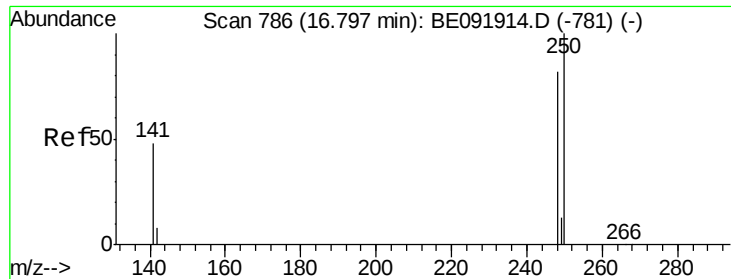
Tgt Ion: 204 Resp: 49373
Ion Ratio Lower Upper
204 100
206 34.4 27.8 41.6
141 258.7 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

Tgt Ion: 188 Resp: 201201
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 4.0 3.4 5.2

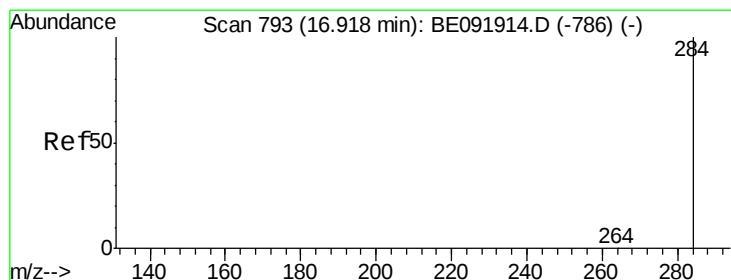
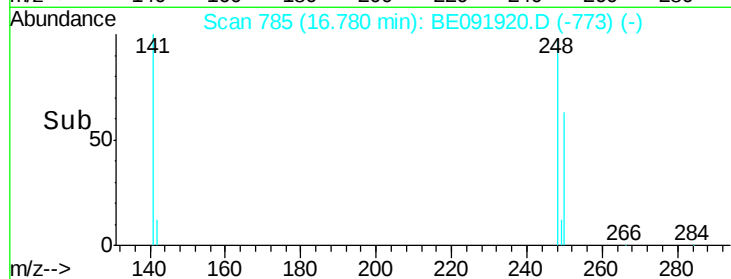
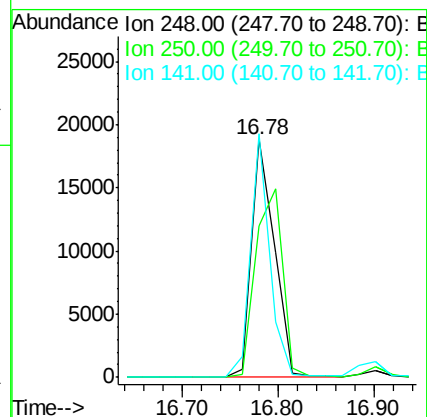
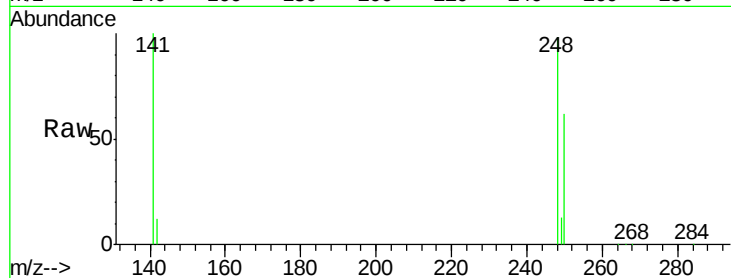




#25
4-Bromophenyl-phenylether
Concen: 3.96 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

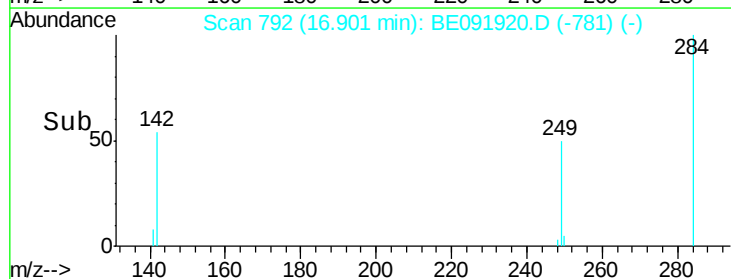
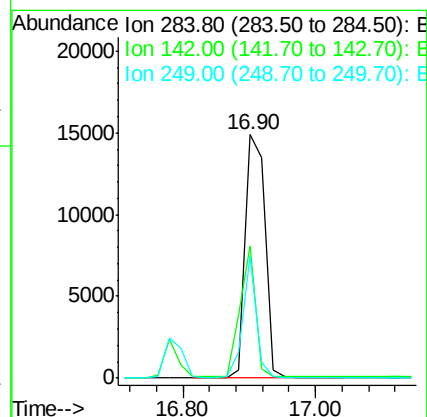
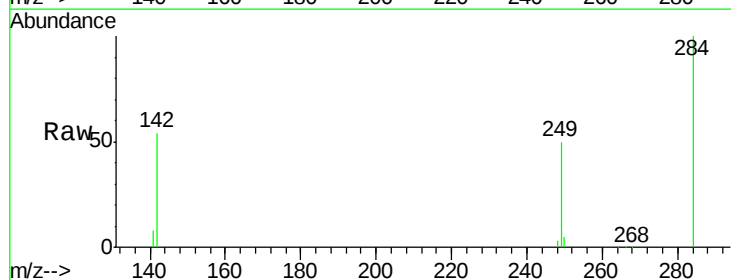
Instrument :
BNA_E
ClientSampleId :
PB91033BS

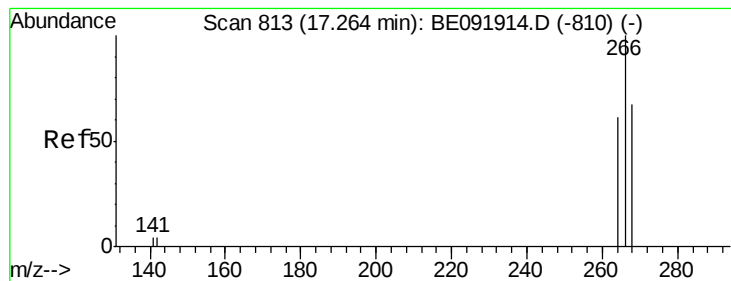
Tgt Ion:248 Resp: 30834
Ion Ratio Lower Upper
248 100
250 93.7 75.7 113.5
141 85.6 64.6 97.0



#26
Hexachlorobenzene
Concen: 3.81 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.02 min
Lab File: BE091920.D
Acq: 15 Jun 2016 12:05

Tgt Ion:284 Resp: 30394
Ion Ratio Lower Upper
284 100
142 42.2 31.4 47.2
249 33.7 25.3 37.9





#27

Pentachlorophenol

Concen: 7.06 ng

RT: 17.25 min Scan# 812

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

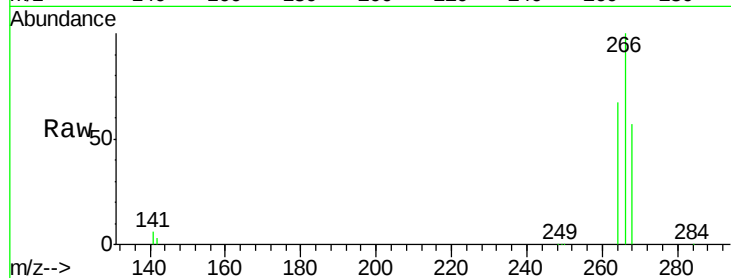
Tgt Ion:266 Resp: 31218

Ion Ratio Lower Upper

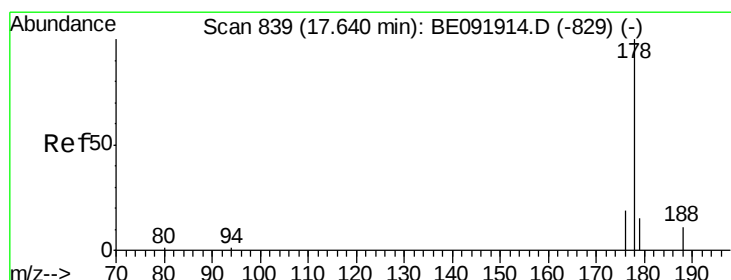
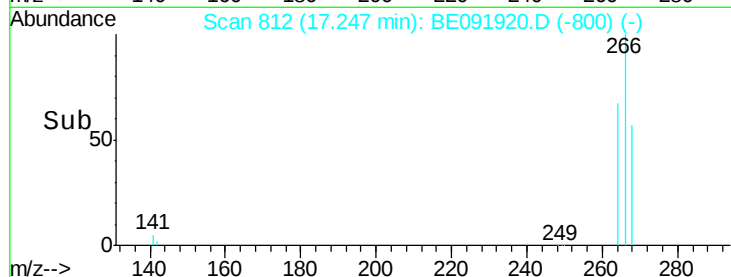
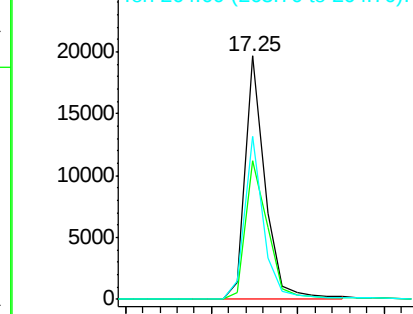
266 100

268 57.1 60.5 90.7#

264 66.8 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: 3.81 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

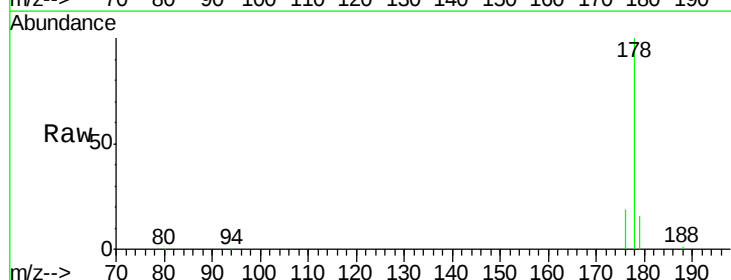
Tgt Ion:178 Resp: 191627

Ion Ratio Lower Upper

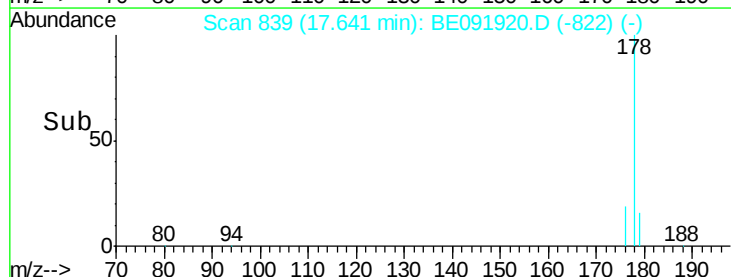
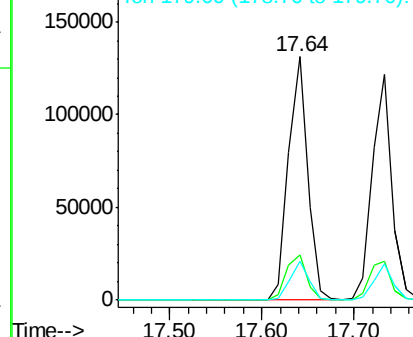
178 100

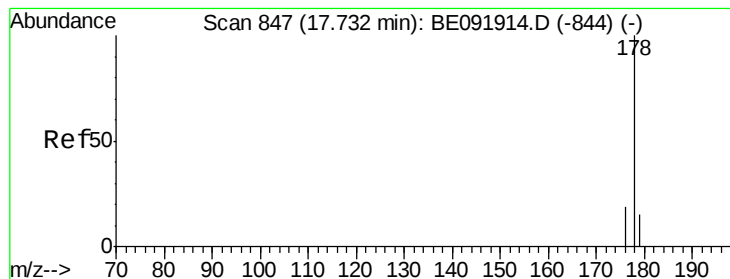
176 19.6 15.4 23.2

179 15.4 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: 4.12 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

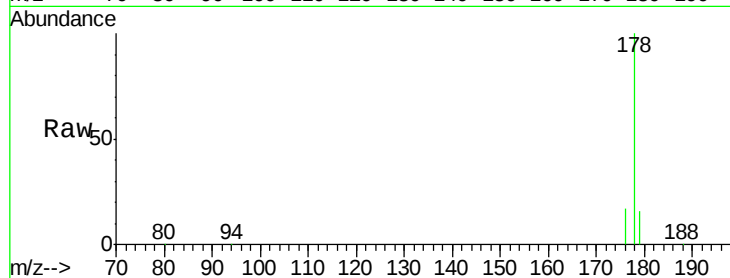
Tgt Ion:178 Resp: 183230

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

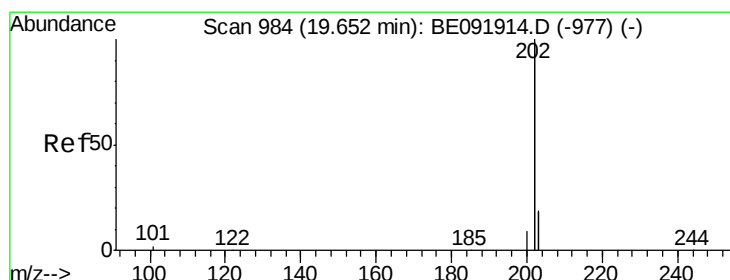
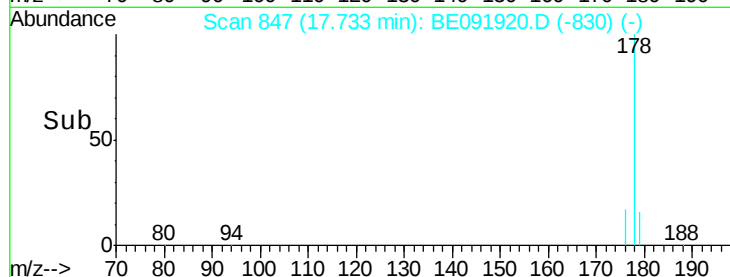
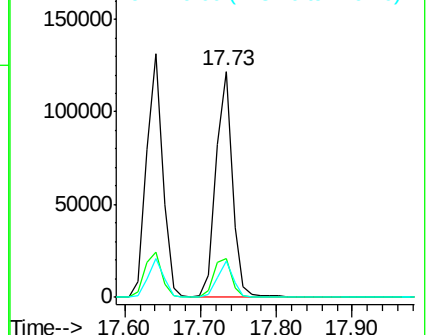
179 15.3 12.1 18.1



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: 3.79 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

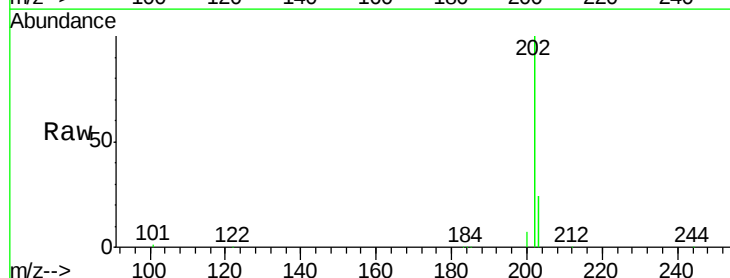
Tgt Ion:202 Resp: 816941

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

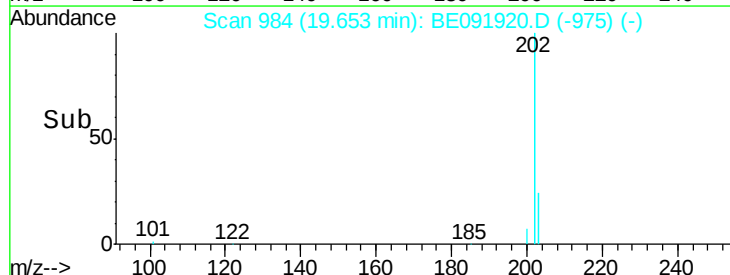
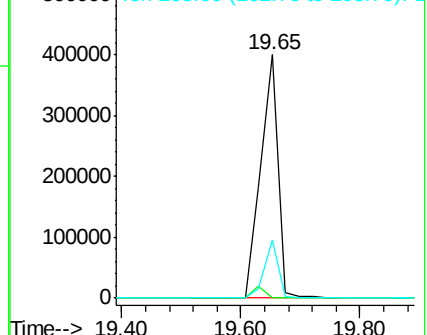
203 19.3 14.3 21.5



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: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

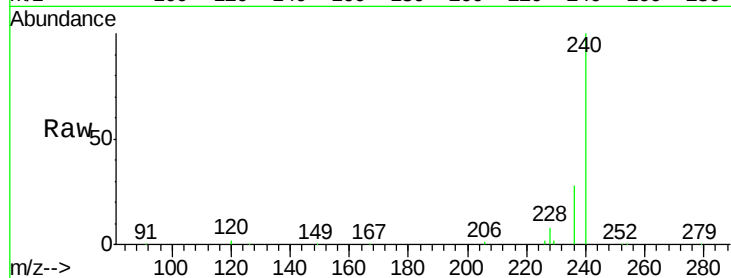
Tgt Ion:240 Resp: 331368

Ion Ratio Lower Upper

240 100

120 1.6 1.2 1.8

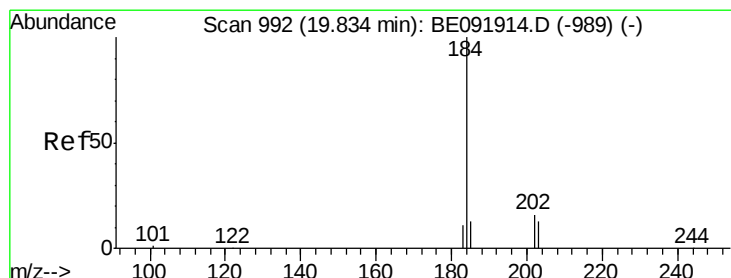
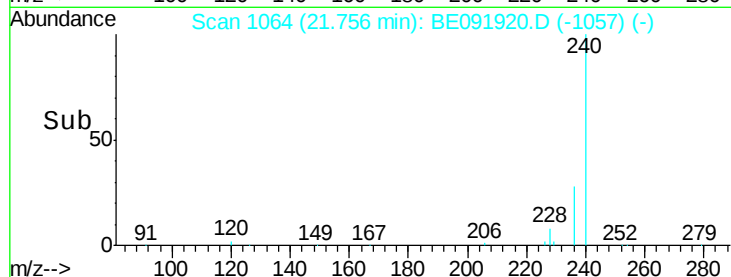
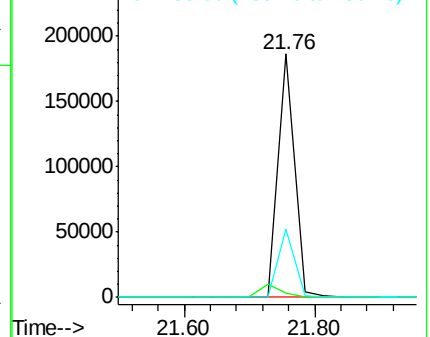
236 27.9 19.8 29.8



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: 3.52 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

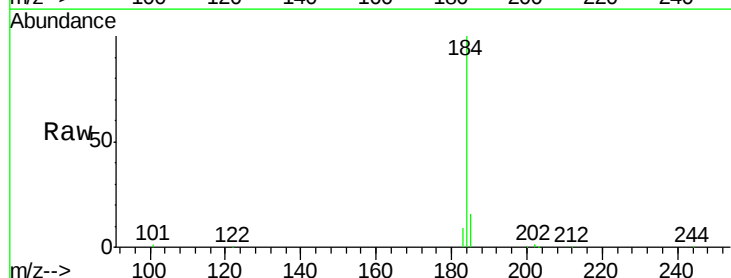
Tgt Ion:184 Resp: 71425

Ion Ratio Lower Upper

184 100

185 16.2 11.4 17.2

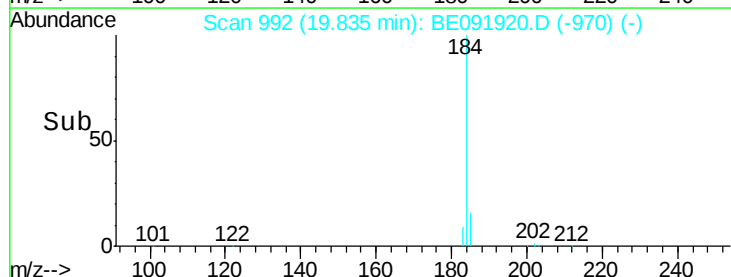
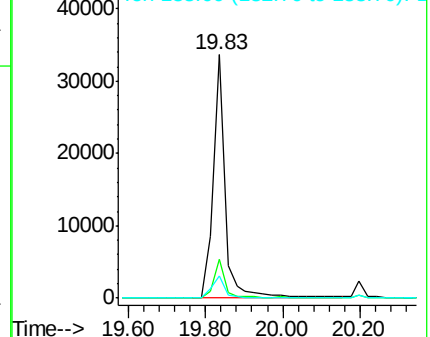
183 9.2 11.8 17.6#

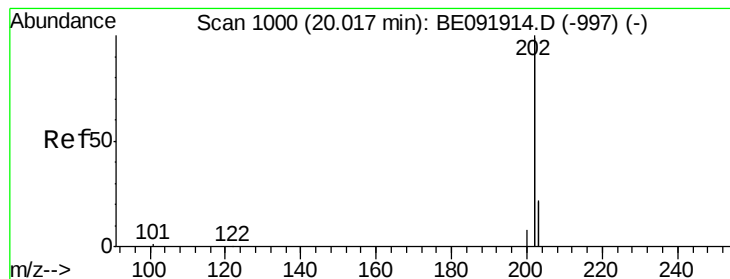


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 3.96 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.02 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

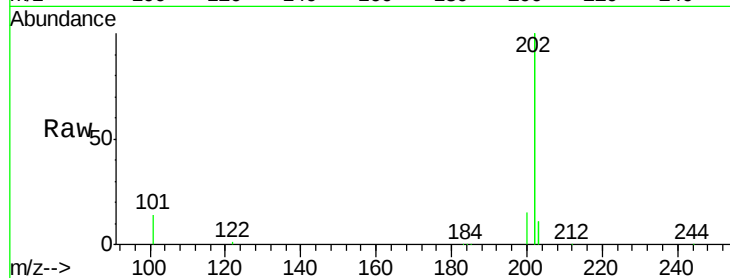
Tgt Ion:202 Resp: 891855

Ion Ratio Lower Upper

202 100

200 5.6 16.9 25.3#

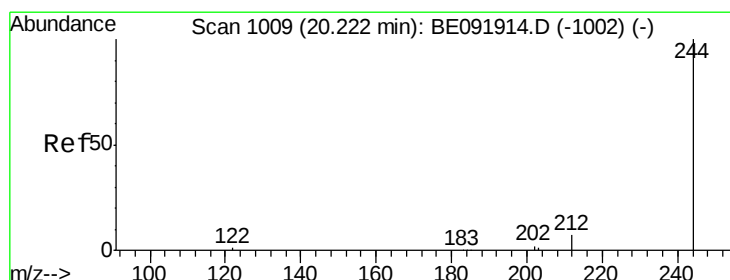
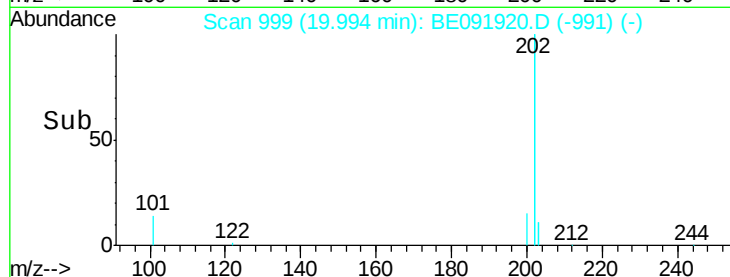
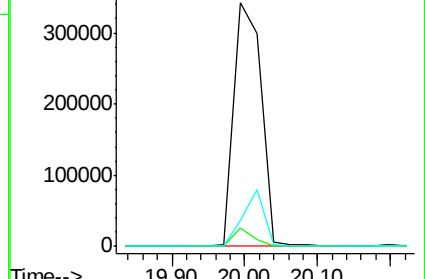
203 0.0 14.1 21.1#



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: 3.44 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

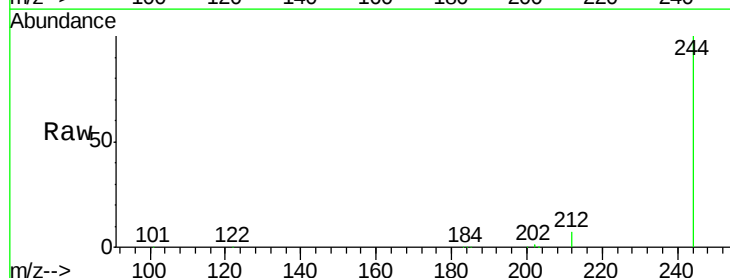
Tgt Ion:244 Resp: 139744

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

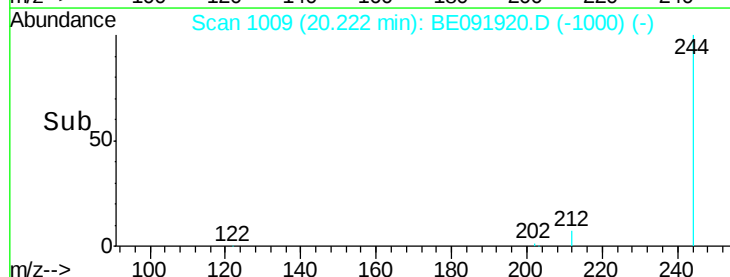
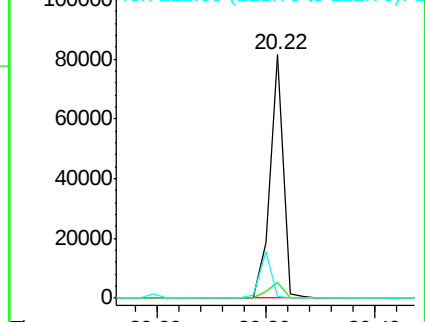
122 0.4 2.9 4.3#

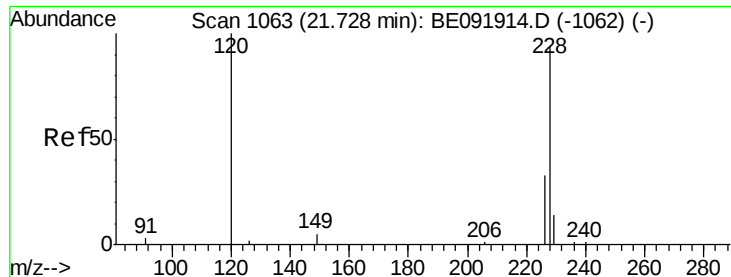


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 10.16 ng

RT: 21.78 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

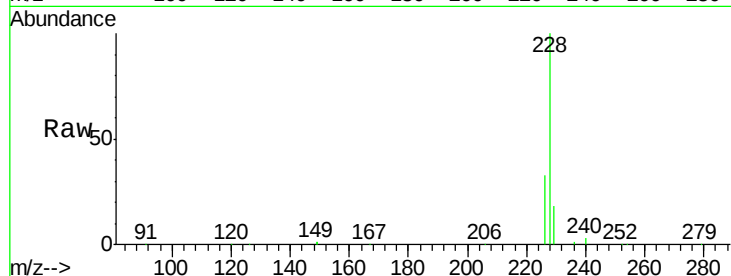
Tgt Ion:228 Resp: 528794

Ion Ratio Lower Upper

228 100

226 33.4 21.0 31.4#

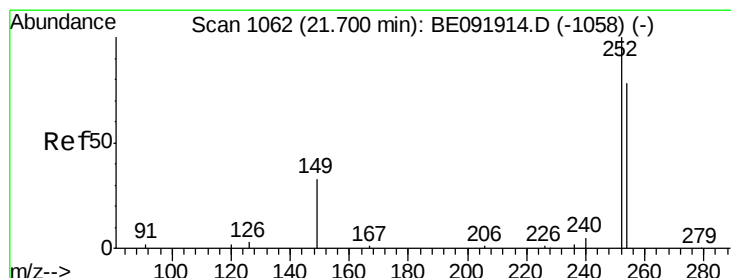
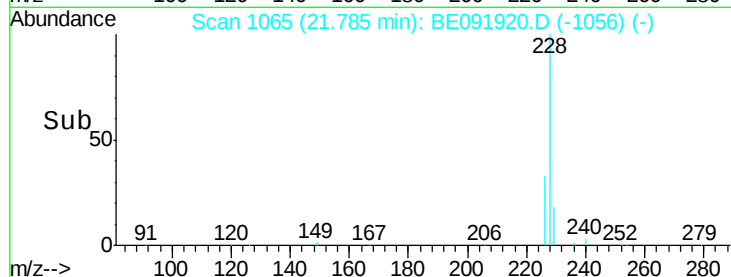
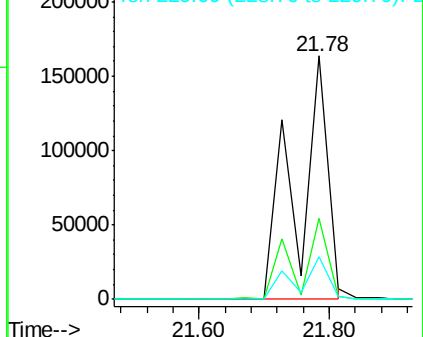
229 17.5 15.8 23.8



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: 4.70 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

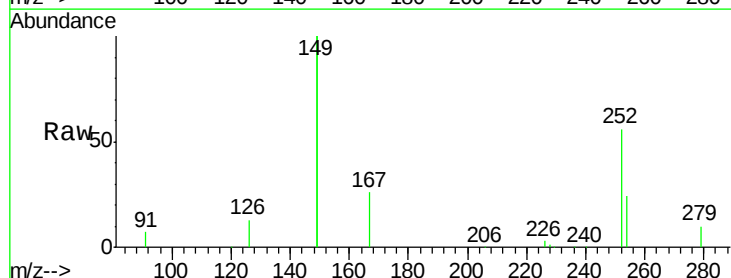
Tgt Ion:252 Resp: 39627

Ion Ratio Lower Upper

252 100

254 42.5 61.5 92.3#

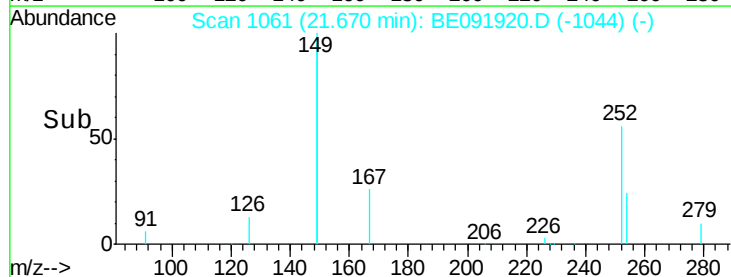
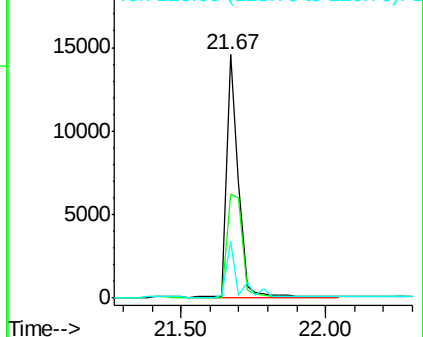
126 23.4 2.5 3.7#

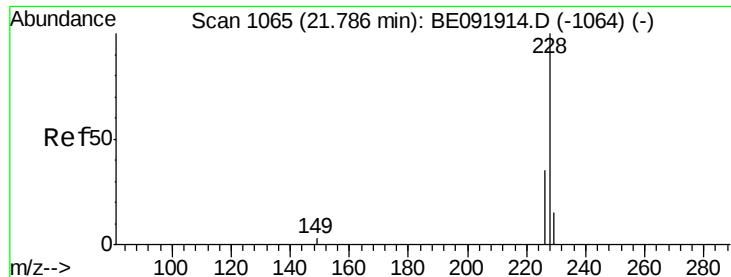


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.01 ng

RT: 21.78 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

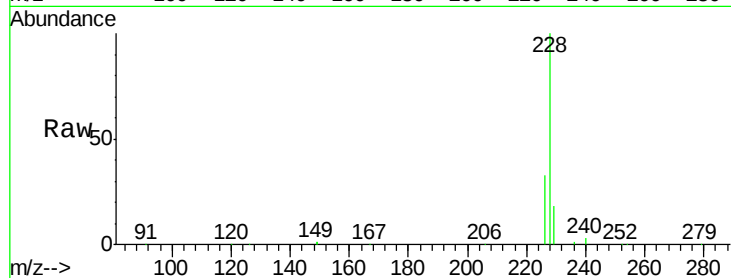
Tgt Ion:228 Resp: 532731

Ion Ratio Lower Upper

228 100

226 33.4 27.0 40.6

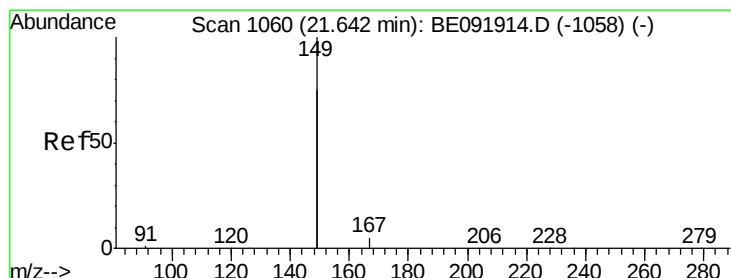
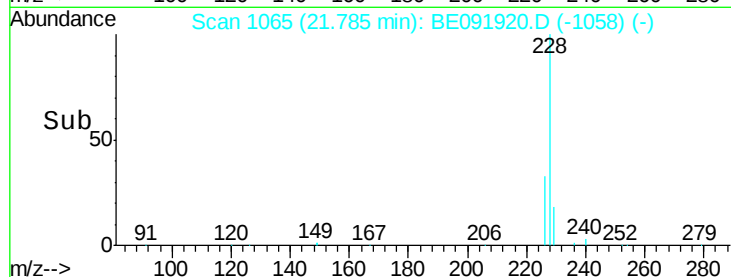
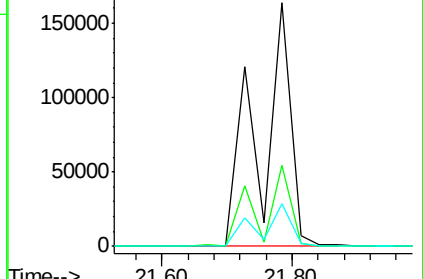
229 17.5 13.8 20.8



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: 3.94 ng

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

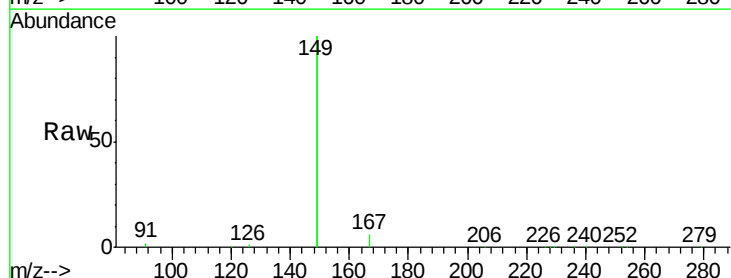
Tgt Ion:149 Resp: 186594

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

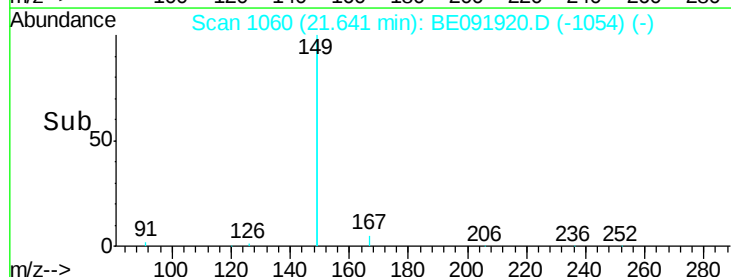
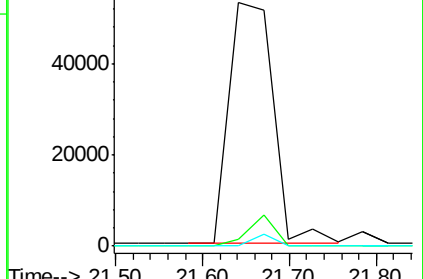
279 0.0 0.0 0.0

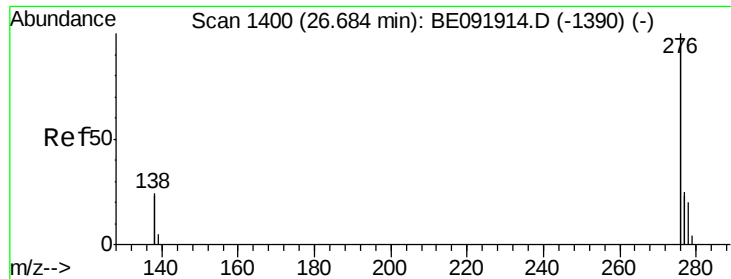


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.94 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

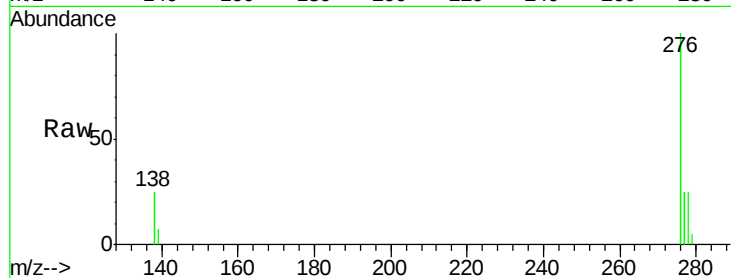
Tgt Ion:276 Resp: 1023978

Ion Ratio Lower Upper

276 100

138 26.5 19.7 29.5

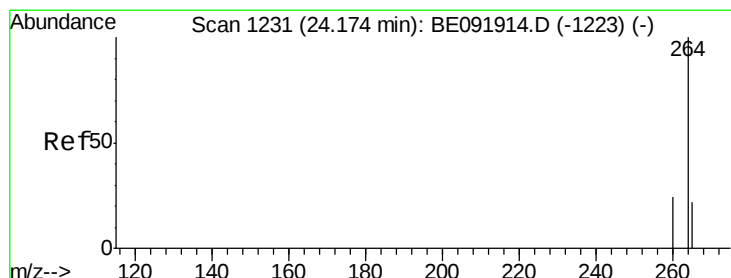
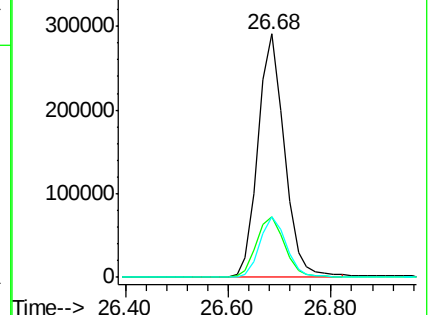
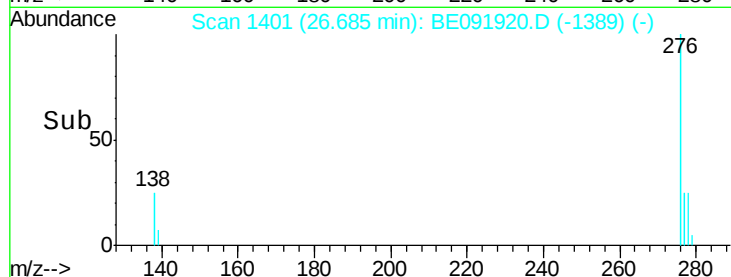
277 24.9 20.1 30.1



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: 24.17 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

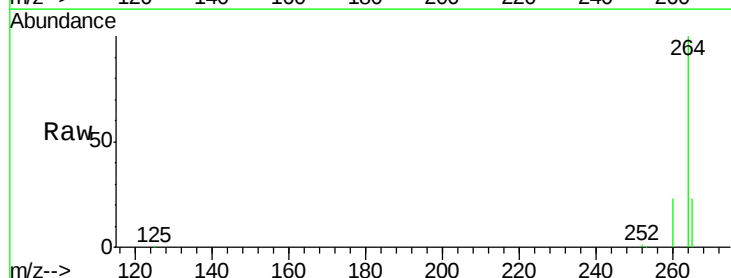
Tgt Ion:264 Resp: 230377

Ion Ratio Lower Upper

264 100

260 23.5 20.3 30.5

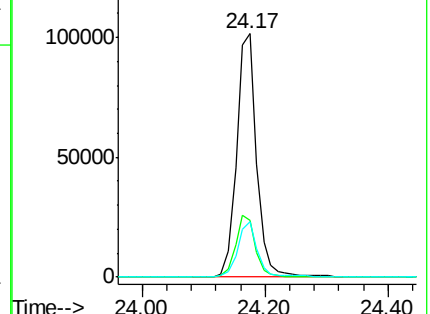
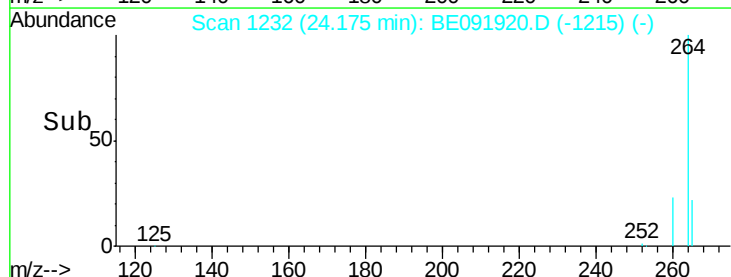
265 22.6 17.6 26.4

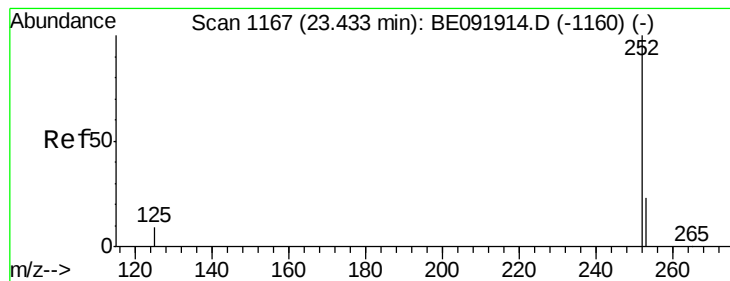


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.98 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

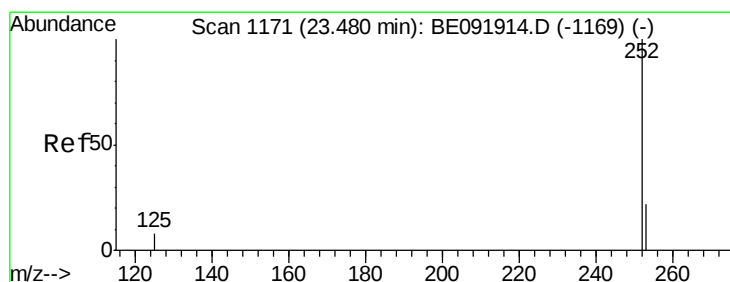
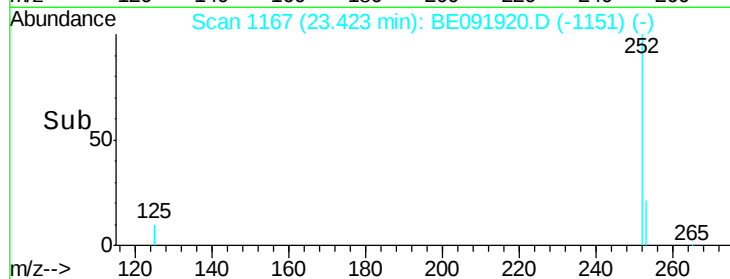
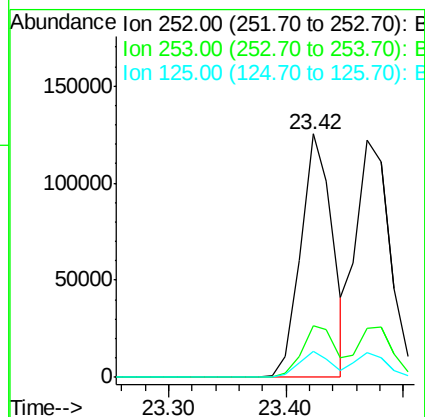
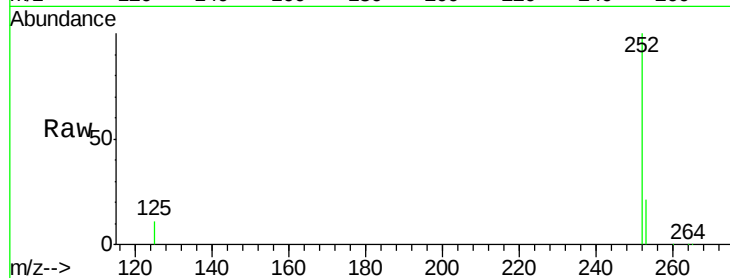
Instrument :

BNA_E

ClientSampleId :

PB91033BS

Tgt Ion:	252	Resp:	235121
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.8	26.6
125	10.6	9.4	14.2



#42

Benzo(k)fluoranthene

Concen: 4.59 ng

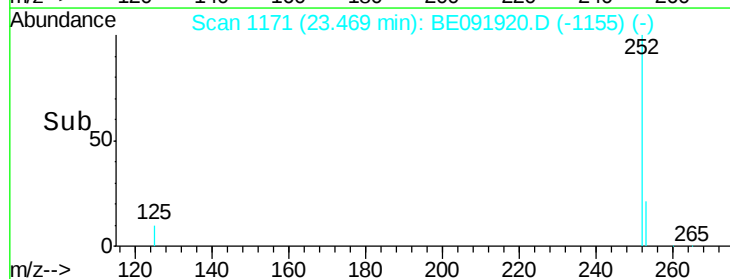
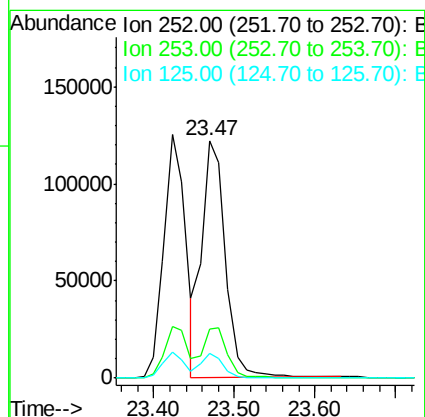
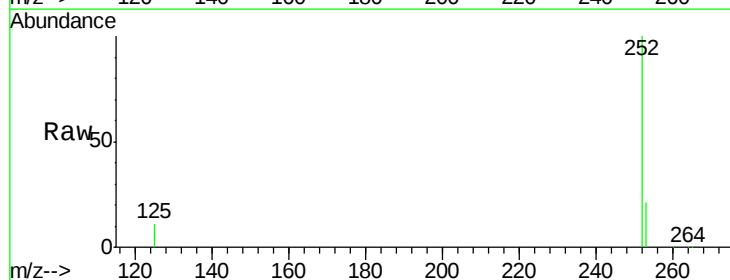
RT: 23.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Tgt Ion:	252	Resp:	248559
Ion Ratio	Lower	Upper	
252	100		
253	20.8	19.4	29.2
125	10.6	8.3	12.5





#43

Benzo(a)pyrene

Concen: 4.33 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS

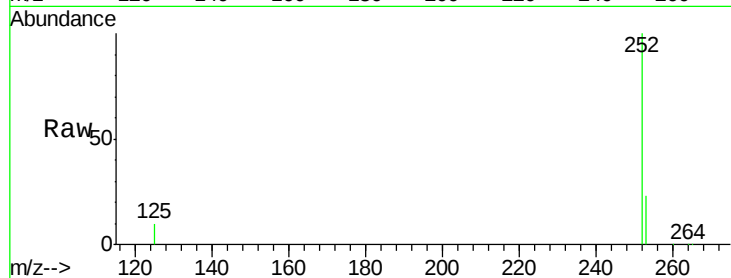
Tgt Ion: 252 Resp: 223882

Ion Ratio Lower Upper

252 100

253 22.8 18.9 28.3

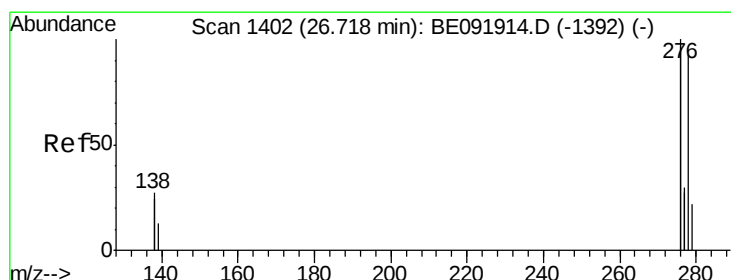
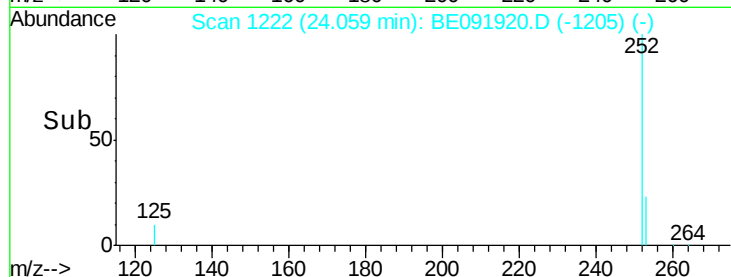
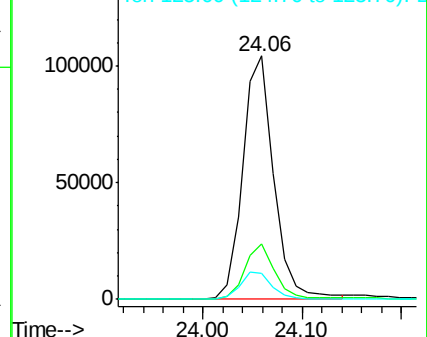
125 10.5 10.5 15.7#



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: 4.28 ng

RT: 26.70 min Scan# 1402

Delta R.T. -0.02 min

Lab File: BE091920.D

Acq: 15 Jun 2016 12:05

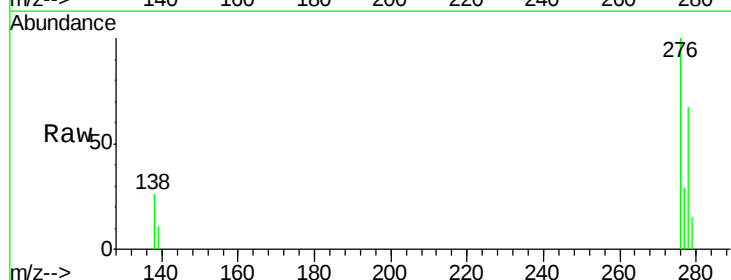
Tgt Ion: 278 Resp: 215485

Ion Ratio Lower Upper

278 100

139 17.1 12.6 18.8

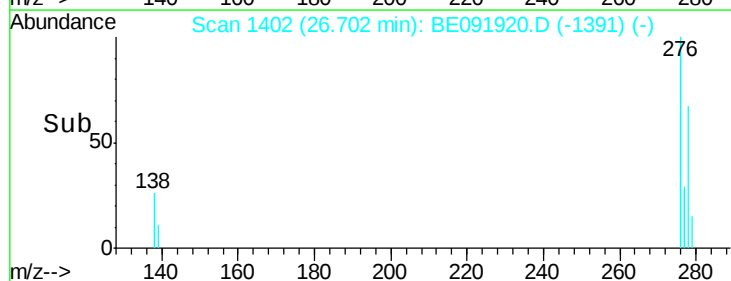
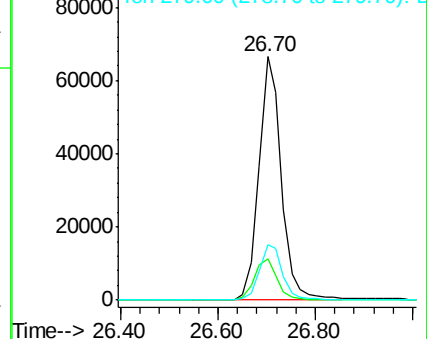
279 22.9 20.0 30.0

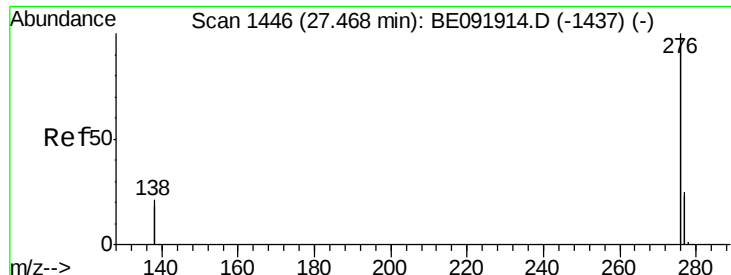


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.17 ng

RT: 27.45 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BE091920.D

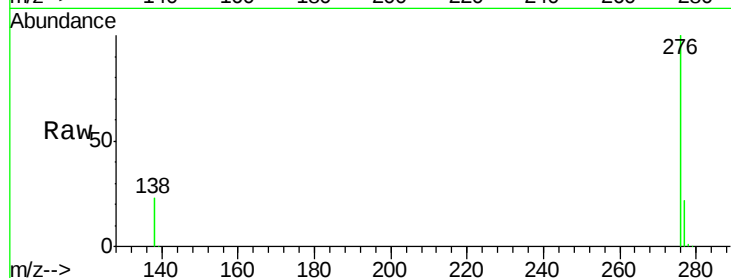
Acq: 15 Jun 2016 12:05

Instrument :

BNA_E

ClientSampleId :

PB91033BS



Tgt Ion: 276 Resp: 866732

Ion Ratio Lower Upper

276 100

277 22.3 19.5 29.3

138 23.4 17.7 26.5

