

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091880.D
 Acq On : 7 Jun 2016 12:46
 Operator : UM/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 07 14:02:21 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 12:56:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	22694	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	105573	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	60470	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	160301	5.00	ng	0.00
31) Chrysene-d12	21.30	240	168035	5.00	ng	0.00
40) Perylene-d12	23.73	264	202455	5.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	7707	1.19	ng	0.00
5) Phenol-d6	6.94	99	10114	1.19	ng	-0.02
9) Nitrobenzene-d5	8.91	82	12598	1.47	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	3012	1.12	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	29996	1.67	ng	0.00
34) Terphenyl-d14	19.74	244	50081	1.97	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	4840	1.45	ng	91
3) n-Nitrosodimethylamine	3.61	42	6051	1.45	ng	91
6) bis(2-Chloroethyl)ether	7.20	93	10648	1.50	ng	99
7) n-Nitroso-di-n-propylamine	8.57	70	8112	1.23	ng	# 21
10) Nitrobenzene	8.96	77	11253	1.35	ng	# 99
11) bis(2-Chloroethoxy)methane	9.96	93	16725	1.67	ng	# 14
12) Naphthalene	10.59	128	36134	1.58	ng	96
13) Hexachlorobutadiene	10.88	225	5454	1.55	ng	99
14) 2-Methylnaphthalene	12.20	142	24082	1.58	ng	91
18) Acenaphthylene	14.10	152	42294	1.42	ng	92
19) 2,6-Dinitrotoluene	13.96	165	5583	1.35	ng	99
20) Acenaphthene	14.44	154	26119	1.62	ng	98
21) 2,4-Dinitrotoluene	14.76	165	5885	1.24	ng	# 1
22) Fluorene	15.42	166	33449	1.58	ng	100
23) 4-Chlorophenyl-phenylether	15.42	204	16296	1.53	ng	97
25) 4-Bromophenyl-phenylether	16.31	248	9942	1.74	ng	99
26) Hexachlorobenzene	16.44	284	10047	1.84	ng	100
27) Pentachlorophenol	16.78	266	3445	1.64	ng	92
28) Phenanthrene	17.17	178	62957	1.80	ng	99
29) Anthracene	17.26	178	56795	1.77	ng	100
30) Fluoranthene	19.19	202	66357	1.63	ng	99
32) Benzidine	19.38	184	19731	1.47	ng	# 93
33) Pyrene	19.53	202	73910	2.07	ng	100
35) Benzo(a)anthracene	21.27	228	679748	15.18	ng	# 87
36) 3,3'-Dichlorobenzidine	21.21	252	18419	0.75	ng	# 77
37) Chrysene	21.27	228	686016	16.70	ng	# 77
38) Bis(2-ethylhexyl)phthalate	21.19	149	42859	2.64	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	86785	2.07	ng	# 75
41) Benzo(b)fluoranthene	22.98	252	78498	1.44	ng	98
42) Benzo(k)fluoranthene	23.03	252	87032	1.76	ng	96
43) Benzo(a)pyrene	23.62	252	78020	1.58	ng	# 96
44) Dibenzo(a,h)anthracene	26.31	278	73880	1.56	ng	# 95
45) Benzo(a,h,i)perylene	27.07	276	75835	1.58	ng	96

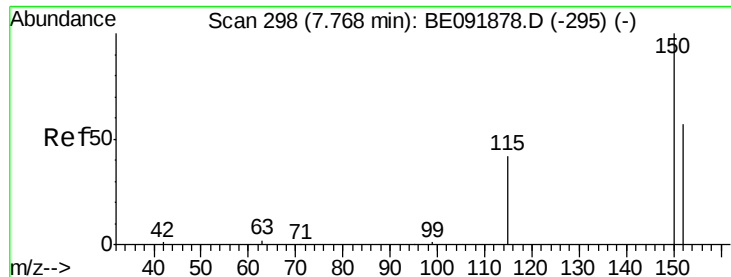
Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
Data File : BE091880.D
Acq On : 7 Jun 2016 12:46
Operator : UM/SJ
Sample : SSTDICC1.6
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 12:56:44 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

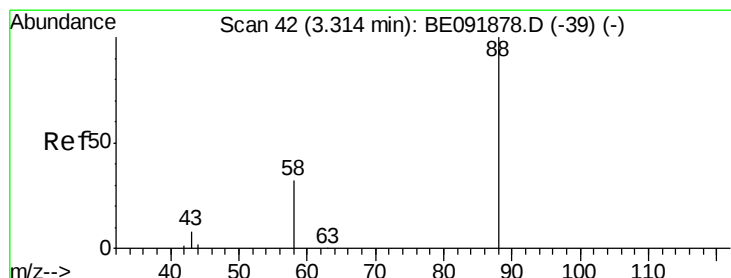
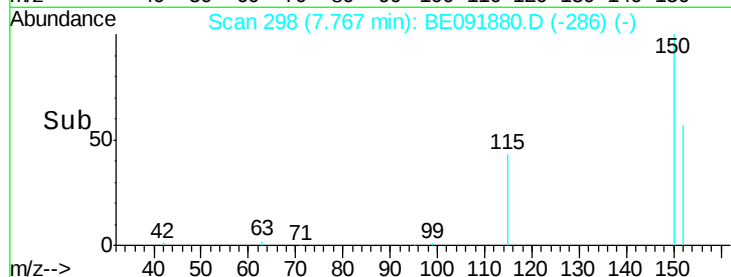
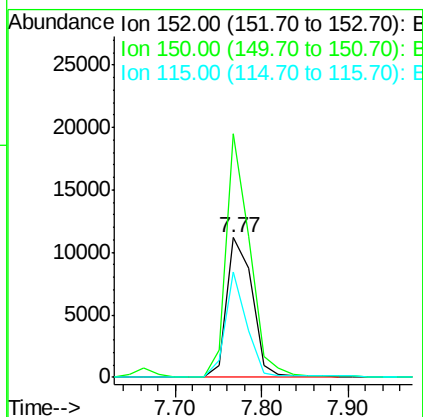
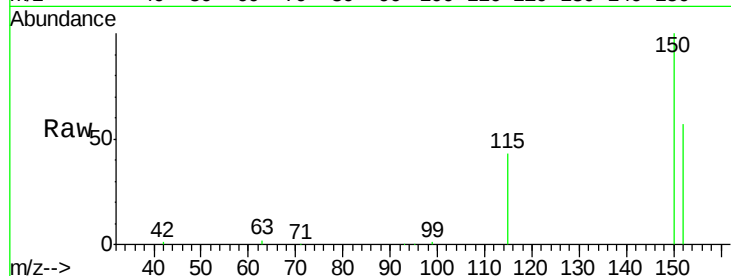


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. -0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Instrument :
BNA_E
ClientSampled :

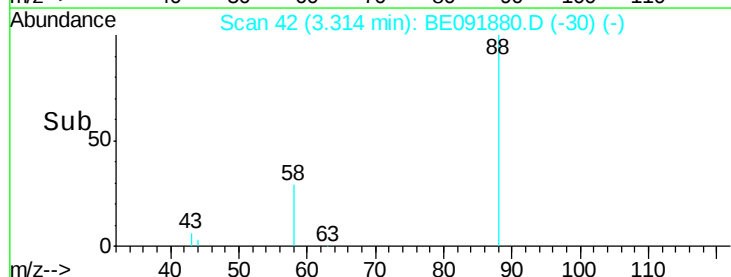
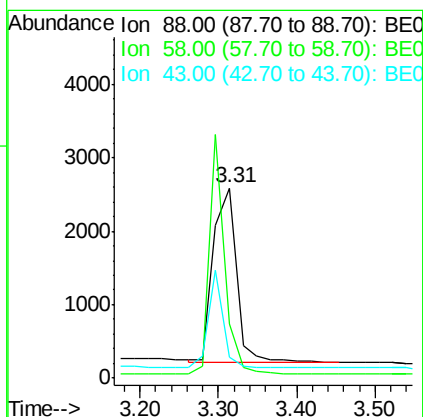
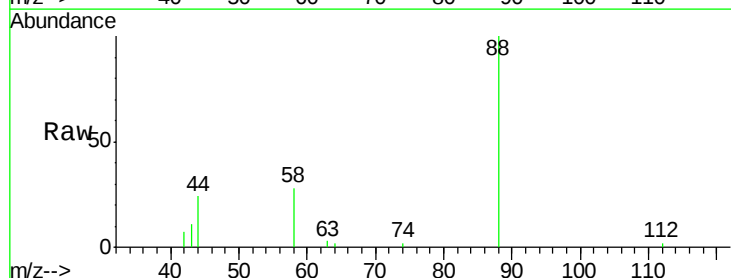
Tot Ion:152 Resp: 22694
Ion Ratio Lower Upper
152 100
150 174.6 123.9 185.9
115 75.1 48.3 72.5#

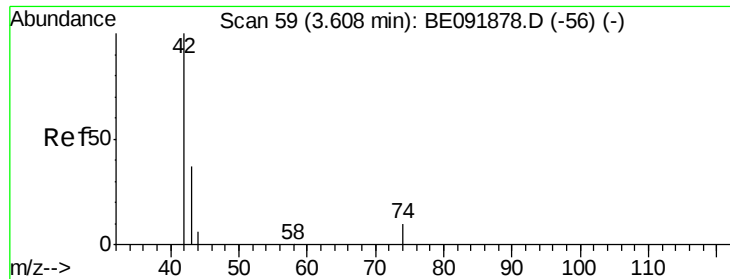


#2

1,4-Dioxane
Concen: 1.45 ng
RT: 3.31 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Tgt Ion: 88 Resp: 4840
Ion Ratio Lower Upper
88 100
58 90.2 63.0 94.4
43 36.5 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 1.45 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampled :

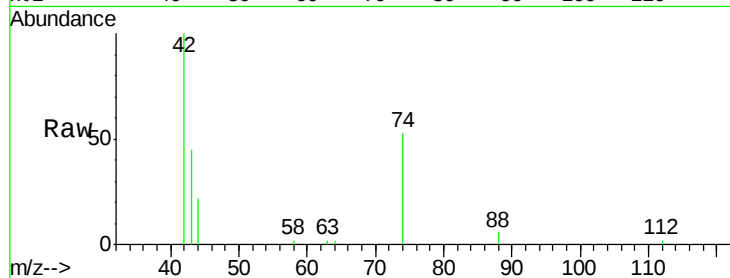
Tot Ion: 42 Resp: 6051

Ion Ratio Lower Upper

42 100

74 107.0 93.4 140.0

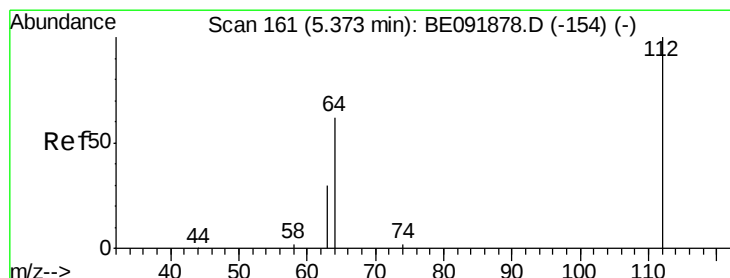
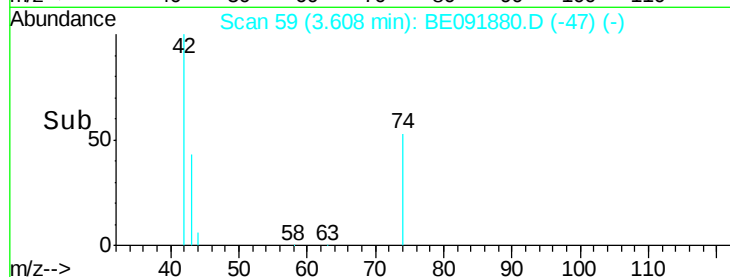
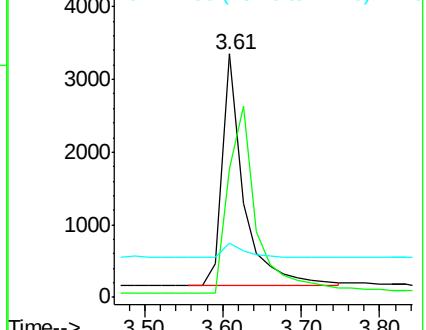
44 7.4 5.0 7.6



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: 1.19 ng

RT: 5.37 min Scan# 161

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

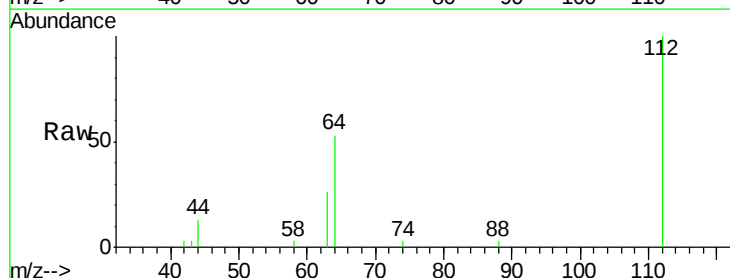
Tgt Ion: 112 Resp: 7707

Ion Ratio Lower Upper

112 100

64 66.5 53.7 80.5

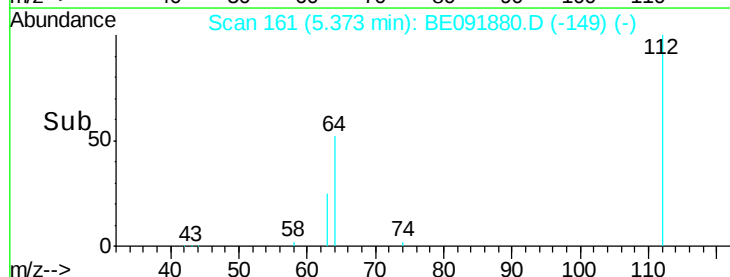
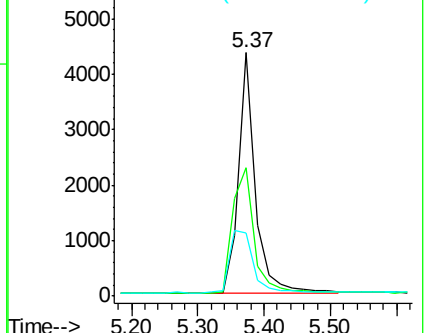
63 36.1 29.5 44.3

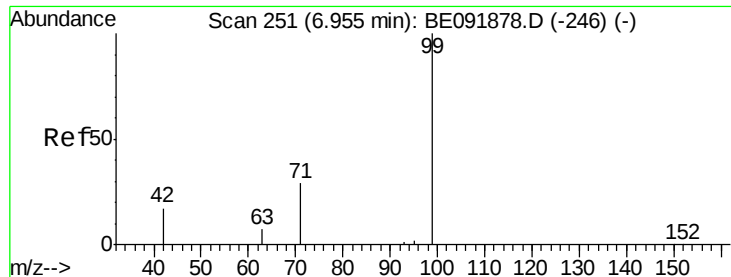


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.19 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

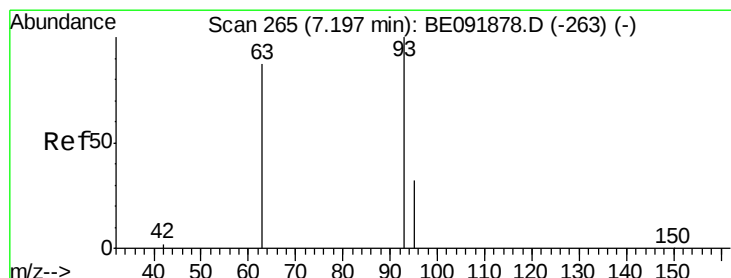
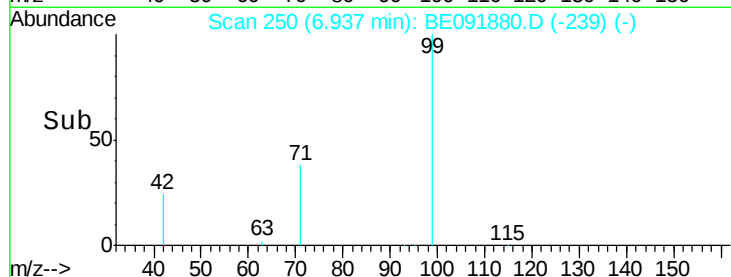
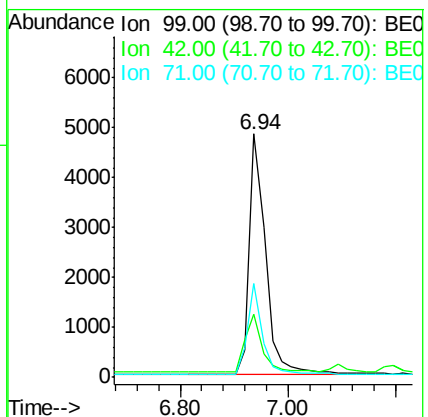
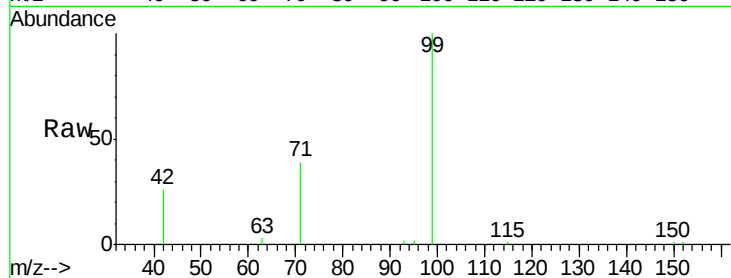
Tot Ion: 99 Resp: 10114

Ion Ratio Lower Upper

99 100

42 25.4 19.6 29.4

71 35.3 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 1.50 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

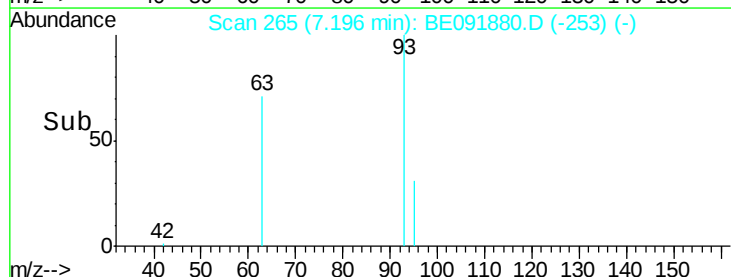
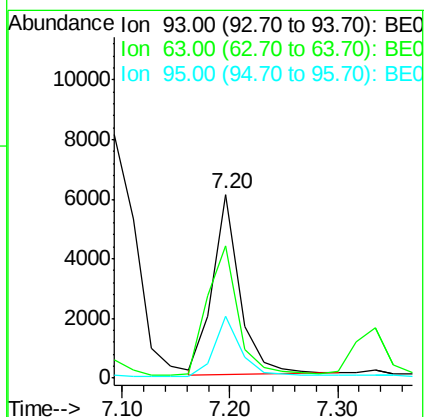
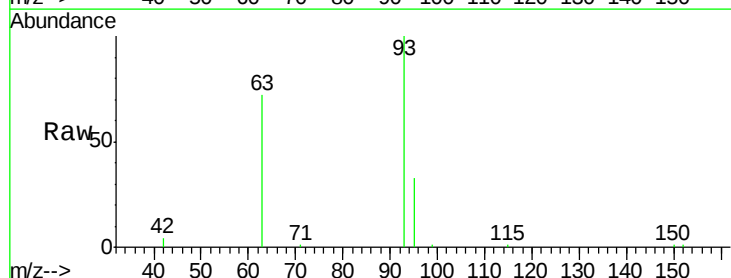
Tgt Ion: 93 Resp: 10648

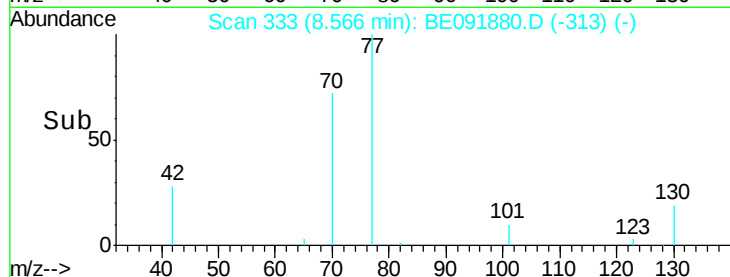
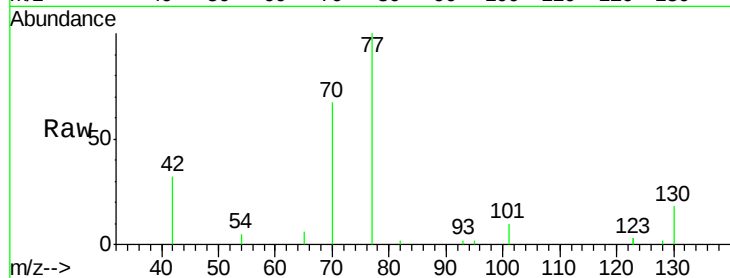
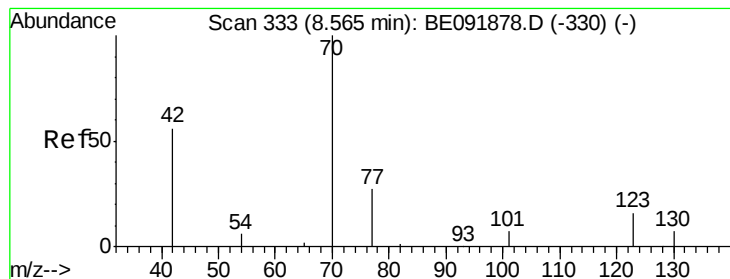
Ion Ratio Lower Upper

93 100

63 83.2 66.2 99.4

95 33.3 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 1.23 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 8112

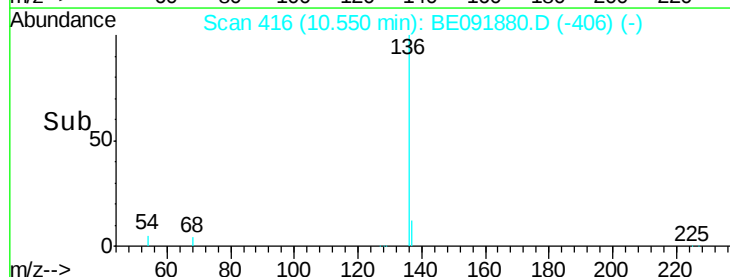
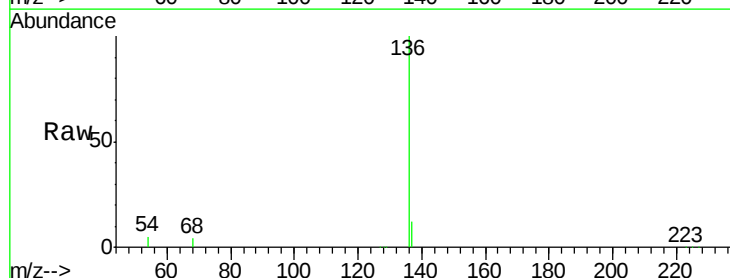
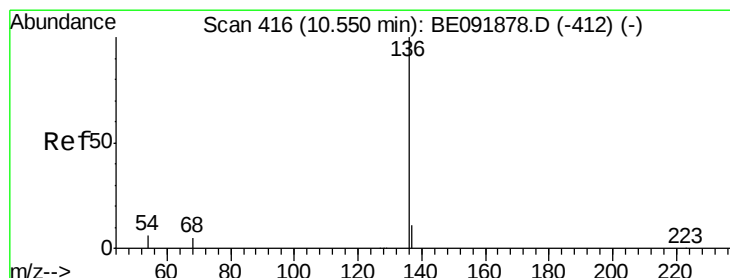
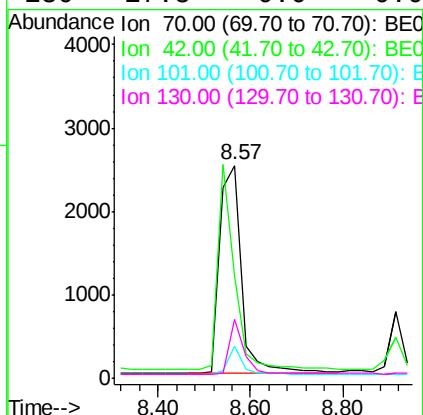
Ion Ratio Lower Upper

70 100

42 0.0 58.4 87.6#

101 8.6 6.4 9.6

130 17.8 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Tgt Ion: 136 Resp: 105573

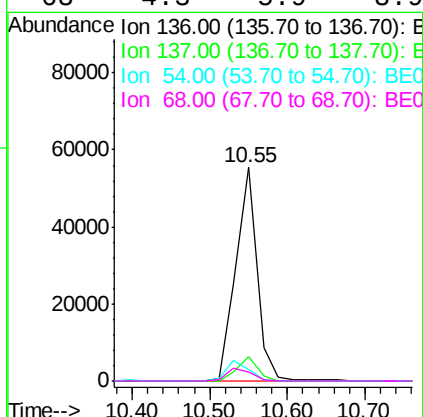
Ion Ratio Lower Upper

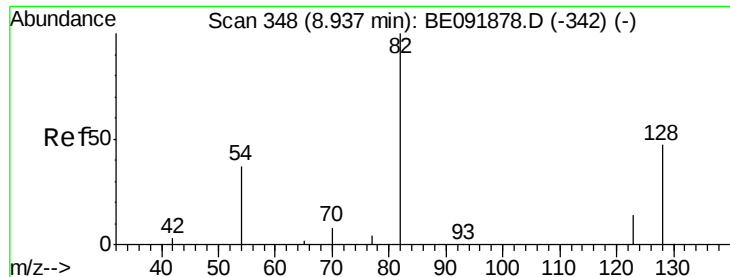
136 100

137 11.6 8.3 12.5

54 5.3 8.2 12.4#

68 4.3 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 1.47 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

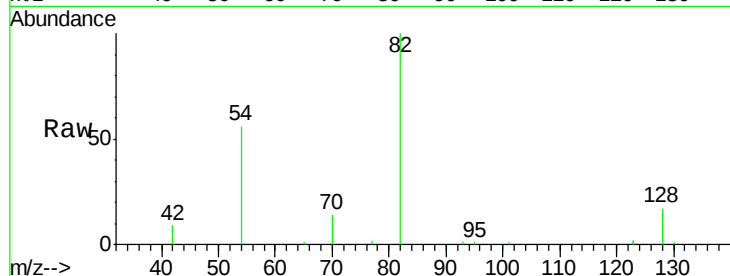
Tot Ion: 82 Resp: 12598

Ion Ratio Lower Upper

82 100

128 17.3 39.5 59.3#

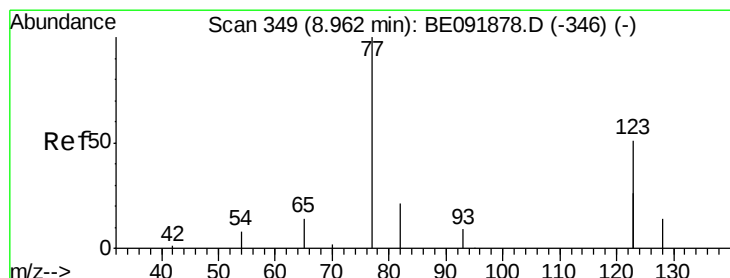
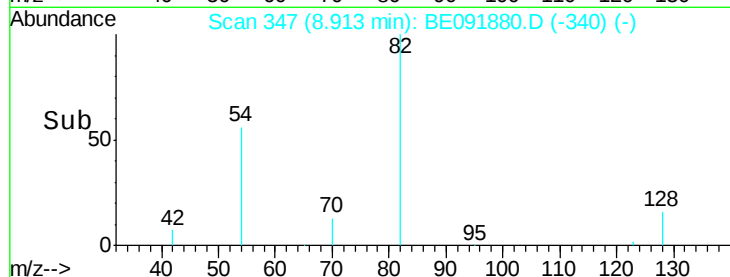
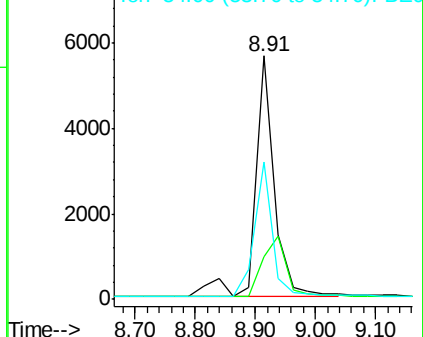
54 56.5 30.3 45.5#



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: 1.35 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

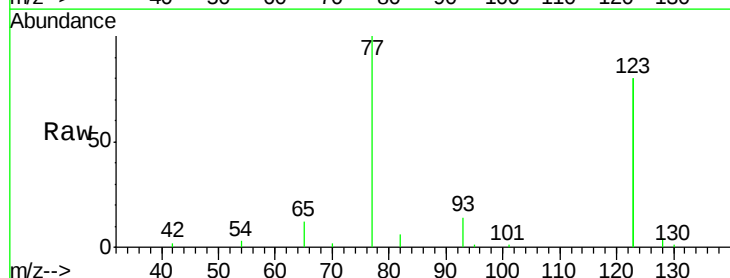
Tgt Ion: 77 Resp: 11253

Ion Ratio Lower Upper

77 100

123 158.5 0.0 0.0#

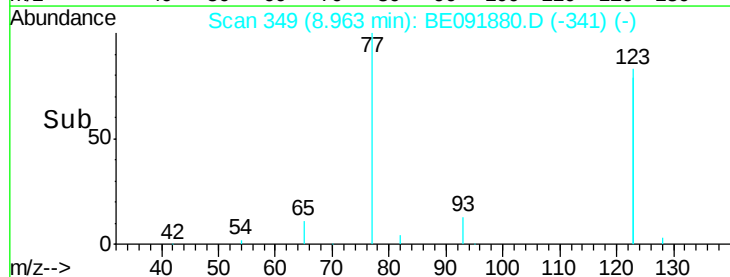
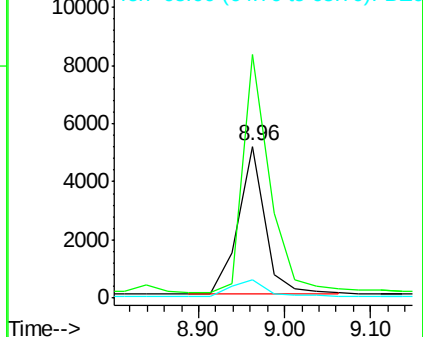
65 13.5 11.1 16.7

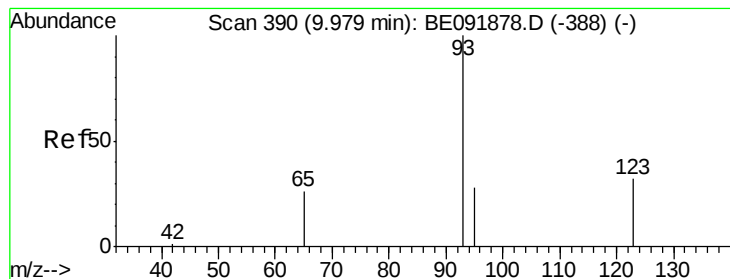


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 1.67 ng

RT: 9.96 min Scan# 389

Delta R.T. -0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

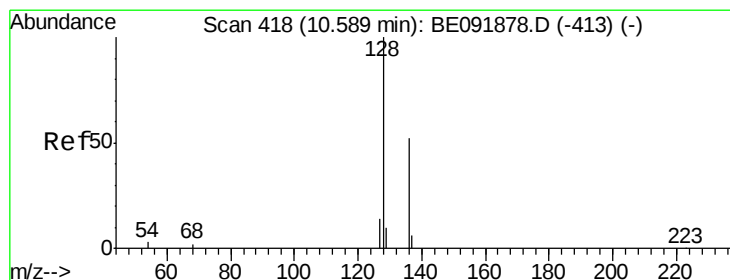
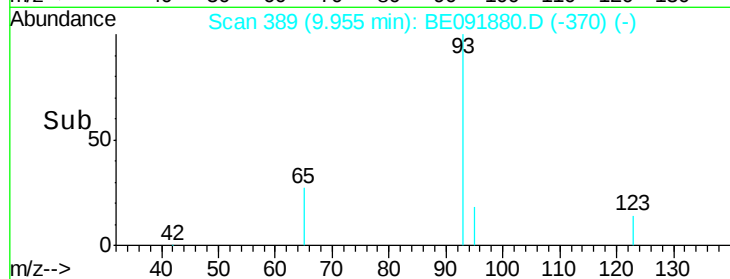
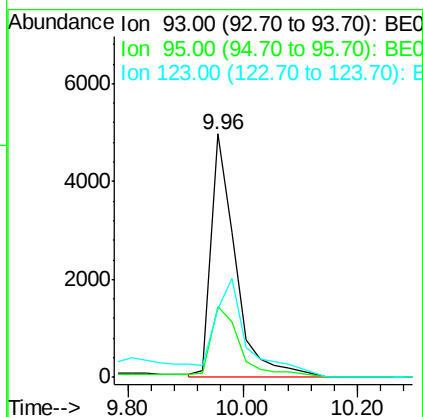
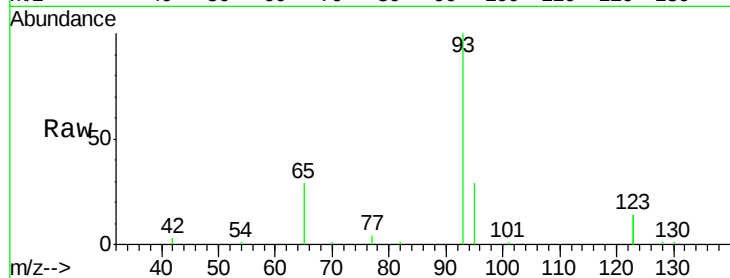
Tot Ion: 93 Resp: 16725

Ion Ratio Lower Upper

93 100

95 34.8 57.6 86.4#

123 0.0 100.2 150.4#



#12

Naphthalene

Concen: 1.58 ng

RT: 10.59 min Scan# 418

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

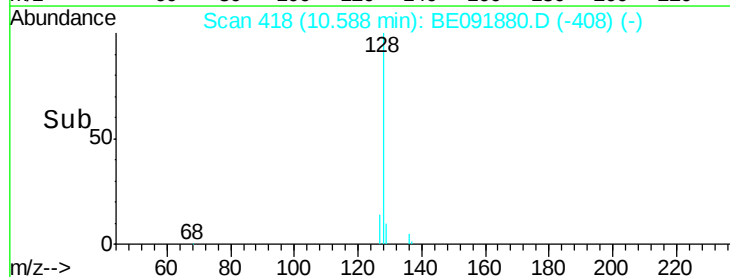
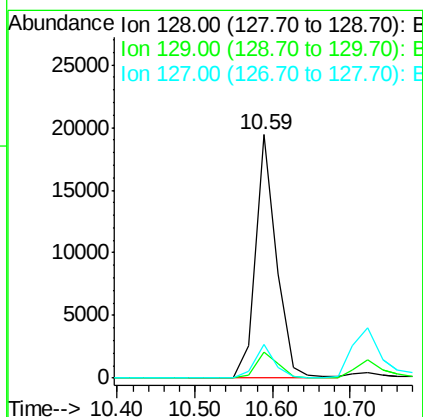
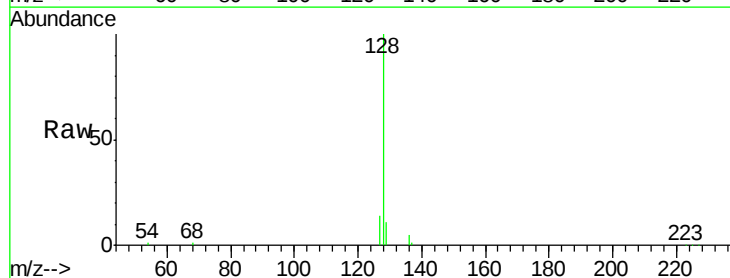
Tgt Ion: 128 Resp: 36134

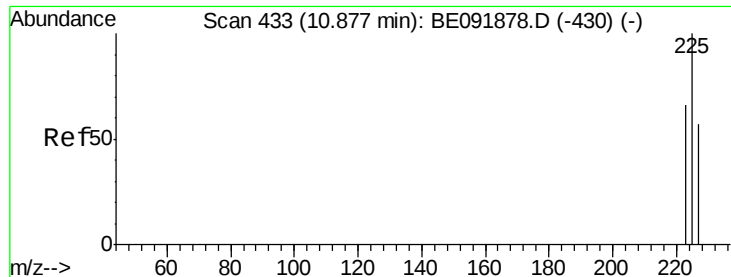
Ion Ratio Lower Upper

128 100

129 10.7 10.4 15.6

127 13.8 10.2 15.2

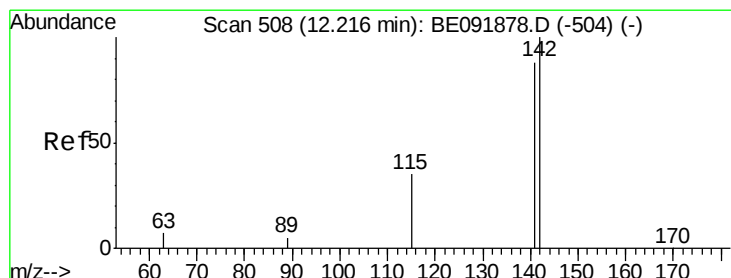
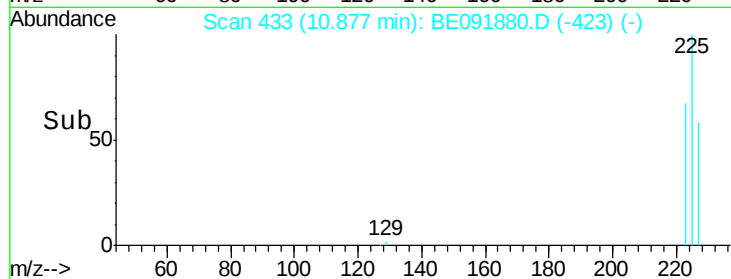
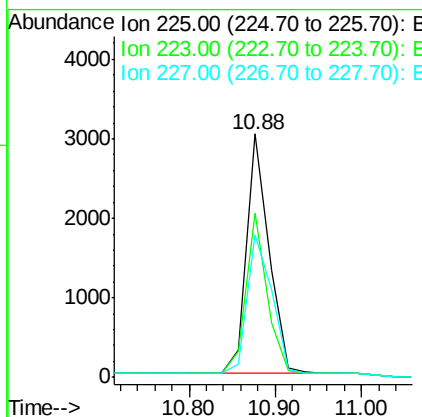
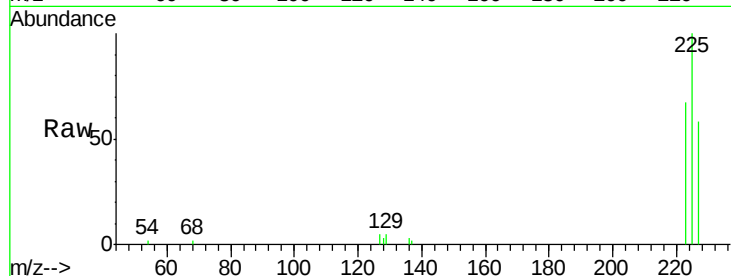




#13
Hexachlorobutadiene
Concen: 1.55 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

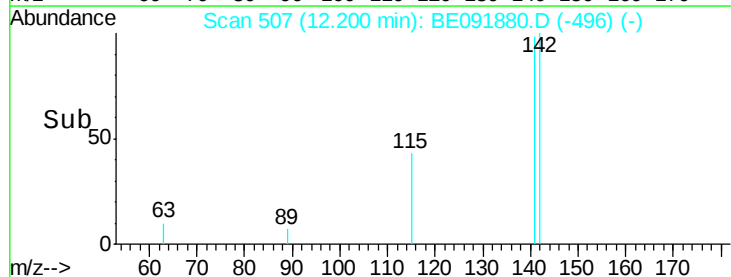
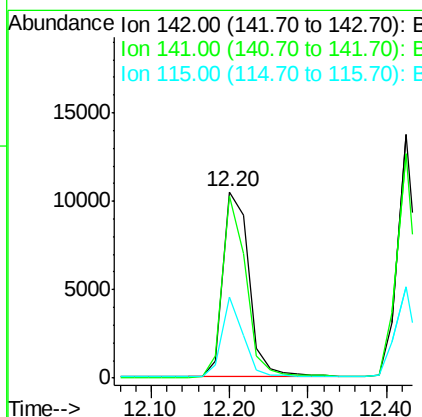
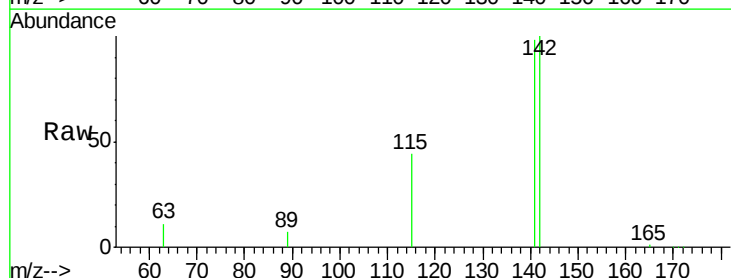
Instrument :
BNA_E
ClientSampleId :

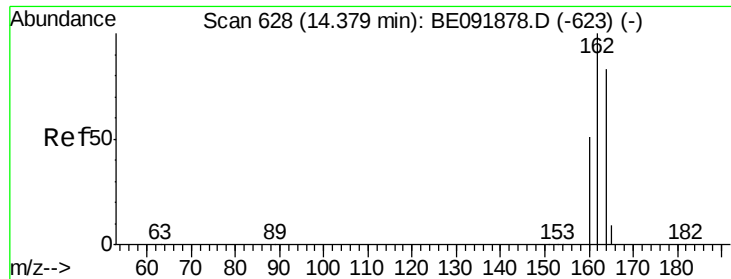
Tot Ion:225 Resp: 5454
Ion Ratio Lower Upper
225 100
223 63.0 49.8 74.8
227 63.5 50.6 75.8



#14
2-Methylnaphthalene
Concen: 1.58 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Tgt Ion:142 Resp: 24082
Ion Ratio Lower Upper
142 100
141 97.8 71.9 107.9
115 43.6 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

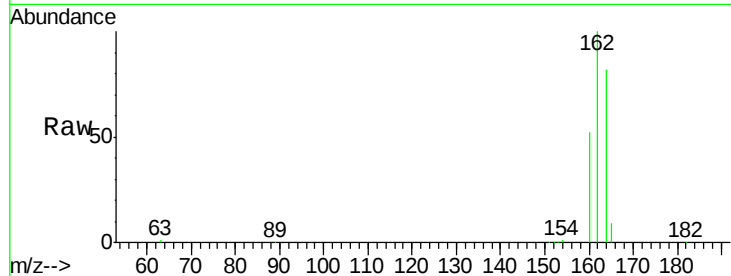
Tot Ion:164 Resp: 60470

Ion Ratio Lower Upper

164 100

162 122.6 71.8 107.8#

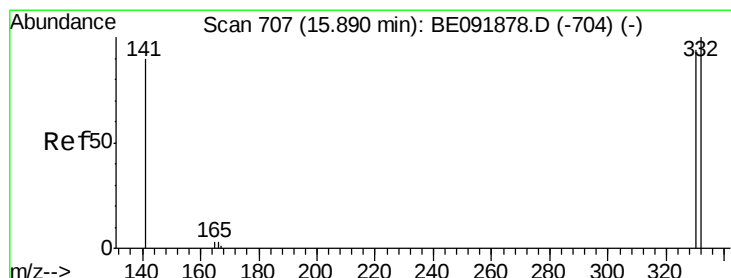
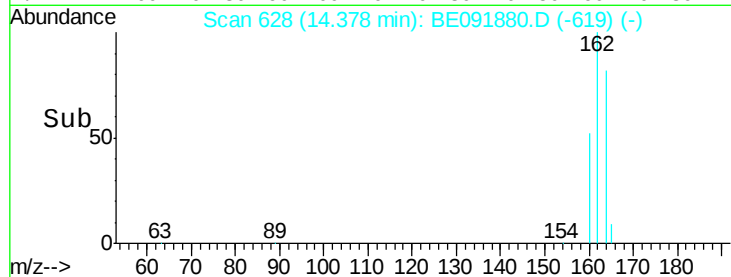
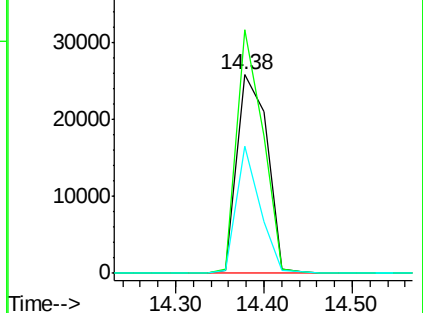
160 63.8 28.0 42.0#



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: 1.12 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

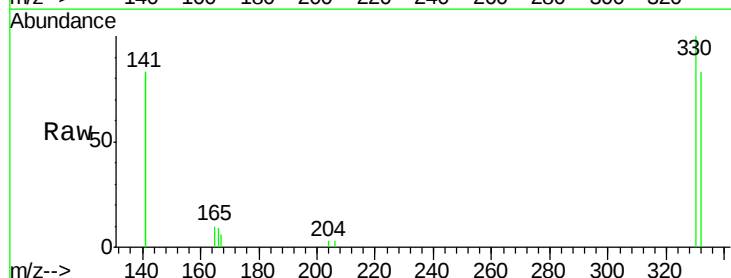
Tgt Ion:330 Resp: 3012

Ion Ratio Lower Upper

330 100

332 94.8 77.0 115.6

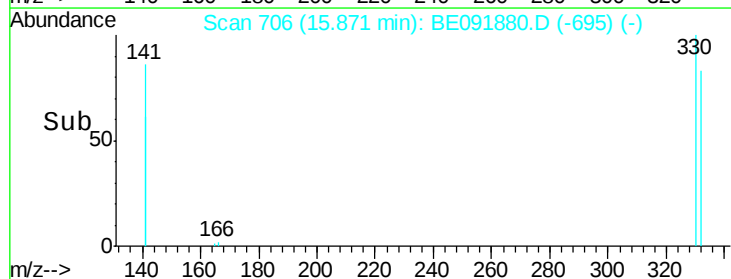
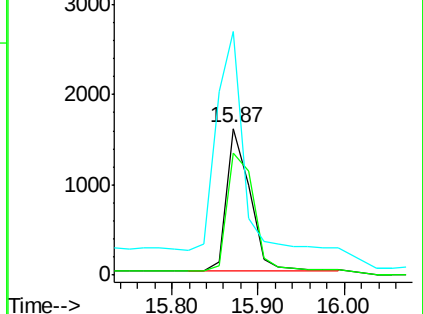
141 168.3 138.4 207.6

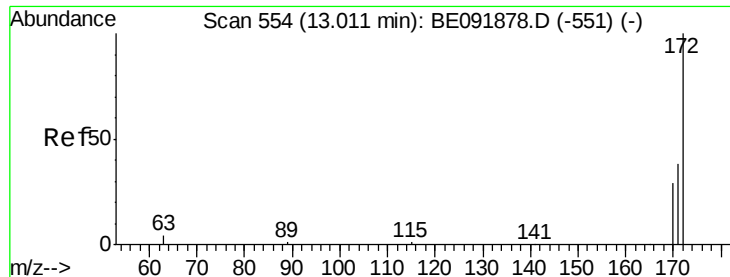


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

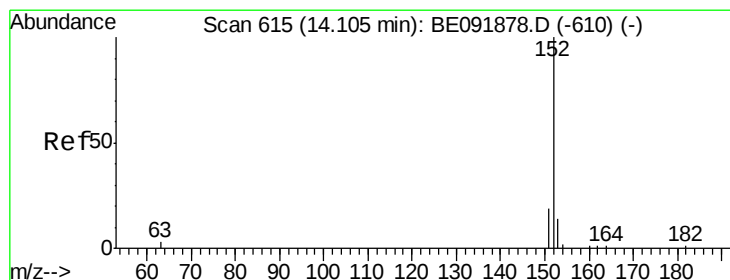
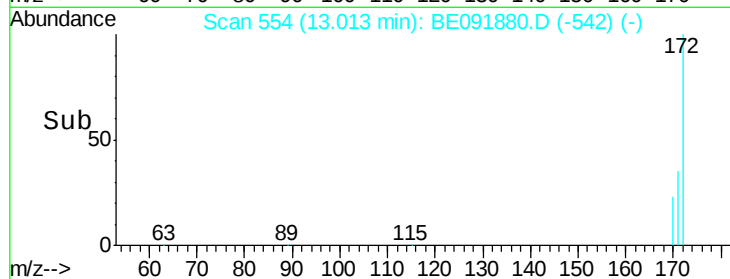
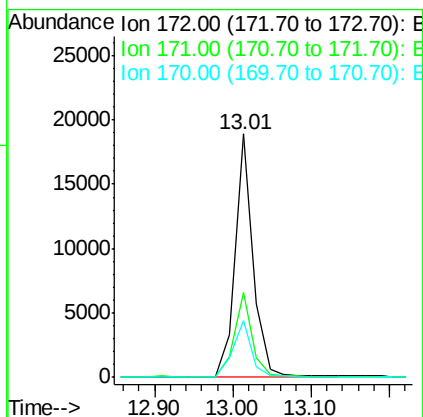
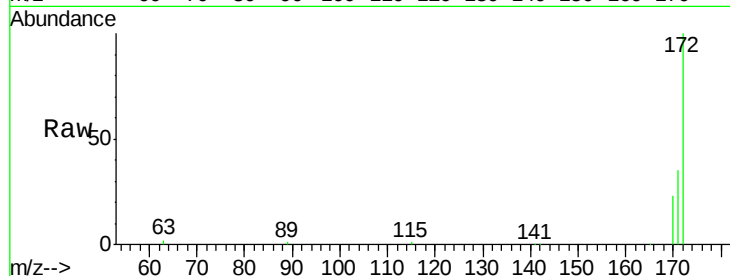




#17
2-Fluorobiphenyl
Concen: 1.67 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

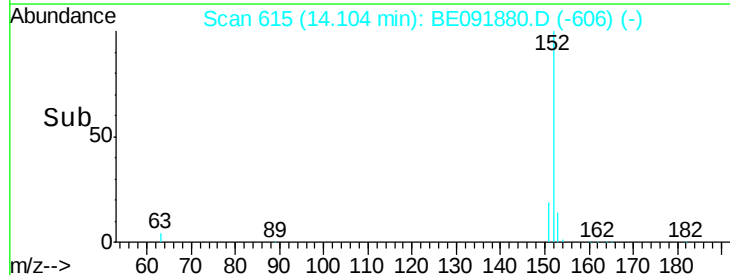
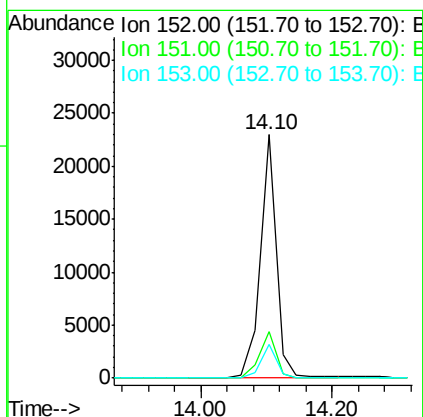
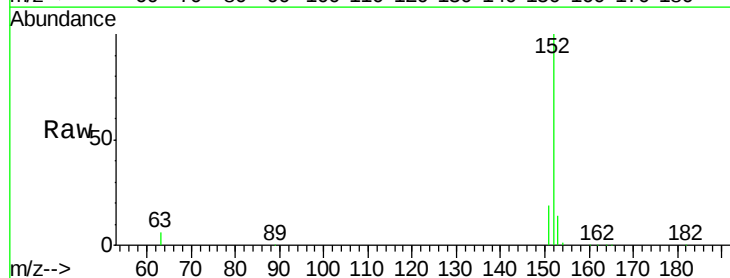
Instrument :
BNA_E
ClientSampled :

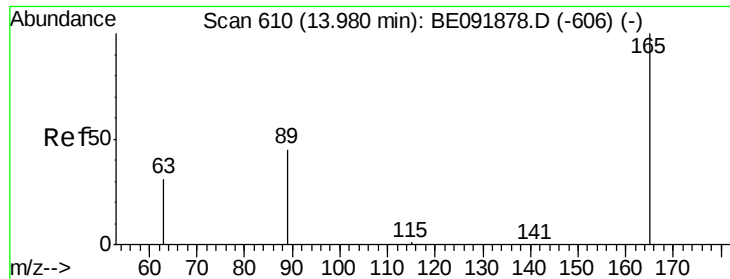
Tot Ion:172 Resp: 29996
Ion Ratio Lower Upper
172 100
171 34.7 24.3 36.5
170 23.2 14.9 22.3#



#18
Acenaphthylene
Concen: 1.42 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Tgt Ion:152 Resp: 42294
Ion Ratio Lower Upper
152 100
151 20.7 19.4 29.2
153 14.5 14.4 21.6

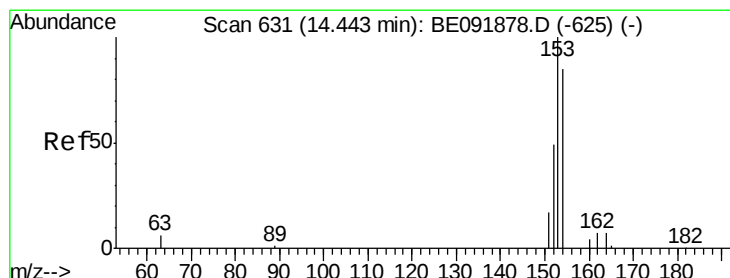
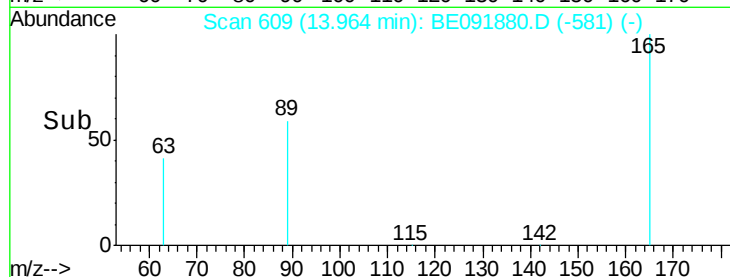
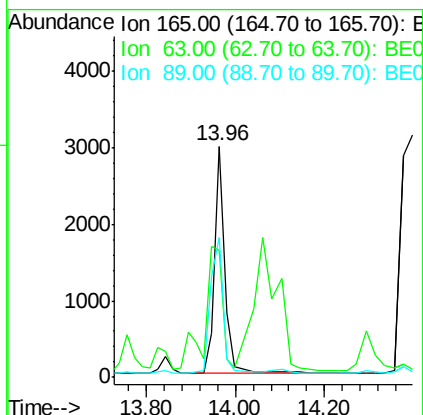
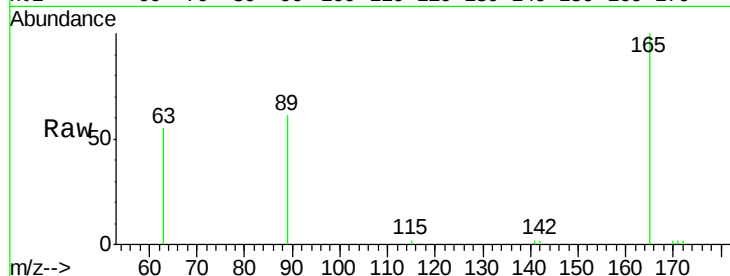




#19
2,6-Dinitrotoluene
Concen: 1.35 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

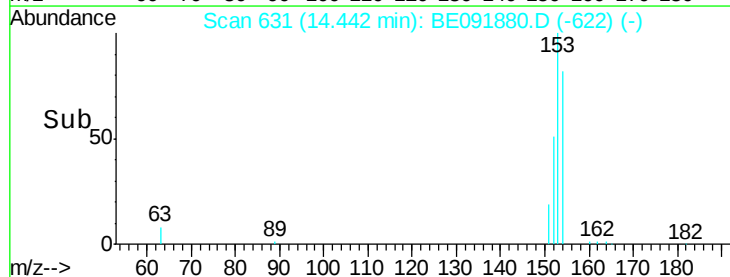
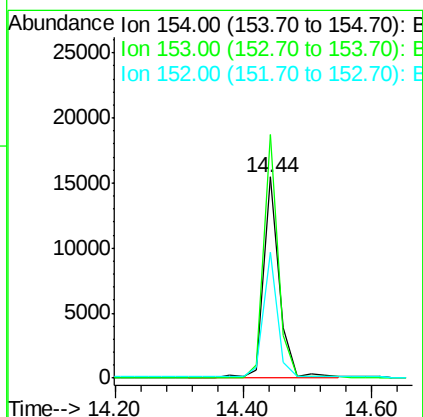
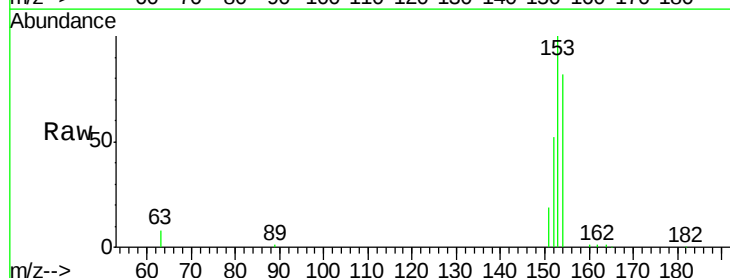
Instrument :
BNA_E
ClientSampled :

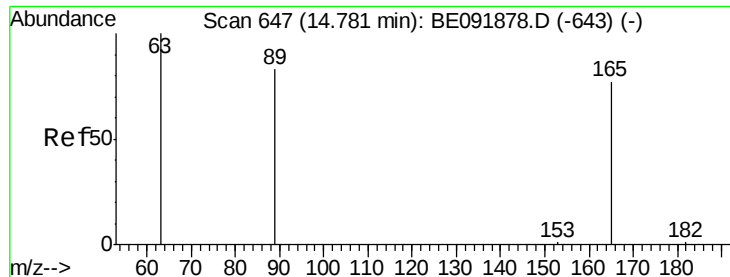
Tot Ion:165 Resp: 5583
Ion Ratio Lower Upper
165 100
63 81.8 65.9 98.9
89 72.3 59.1 88.7



#20
Acenaphthene
Concen: 1.62 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Tgt Ion:154 Resp: 26119
Ion Ratio Lower Upper
154 100
153 111.9 88.1 132.1
152 56.3 44.2 66.2





#21

2,4-Dinitrotoluene

Concen: 1.24 ng

RT: 14.76 min Scan# 646

Delta R.T. -0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 5885

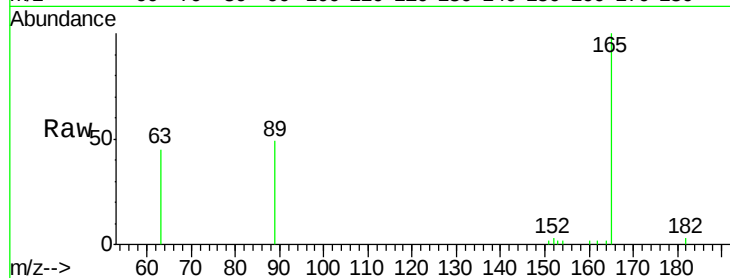
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 2.0 0.0 0.0#

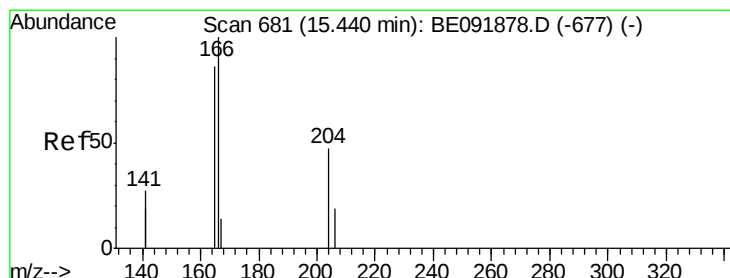
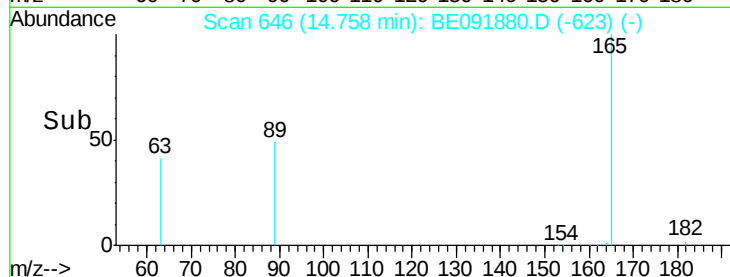
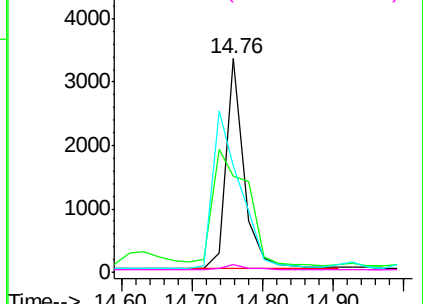


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 1.58 ng

RT: 15.42 min Scan# 680

Delta R.T. -0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

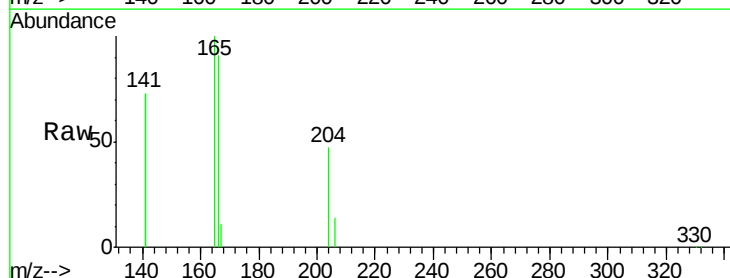
Tgt Ion:166 Resp: 33449

Ion Ratio Lower Upper

166 100

165 98.4 78.6 117.8

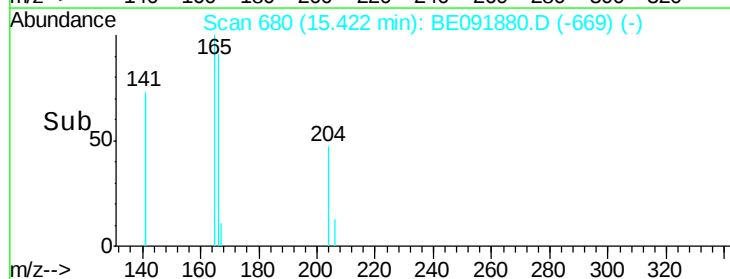
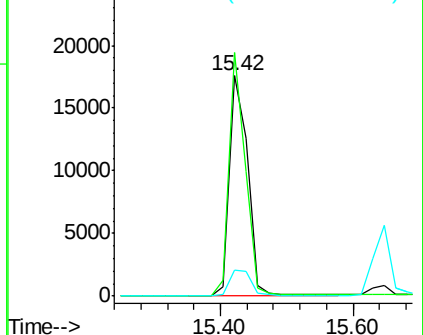
167 13.4 10.8 16.2

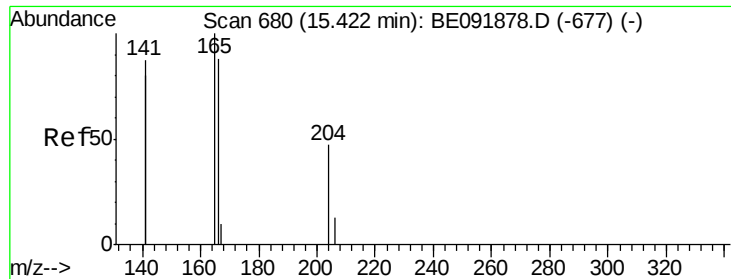


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

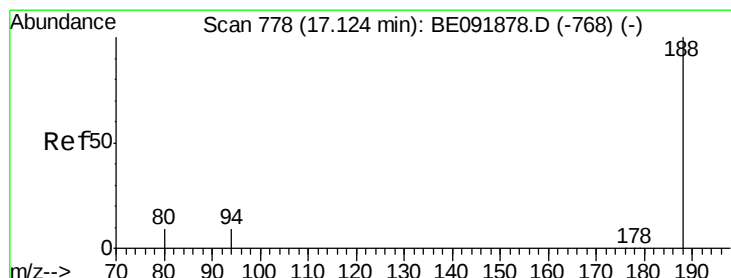
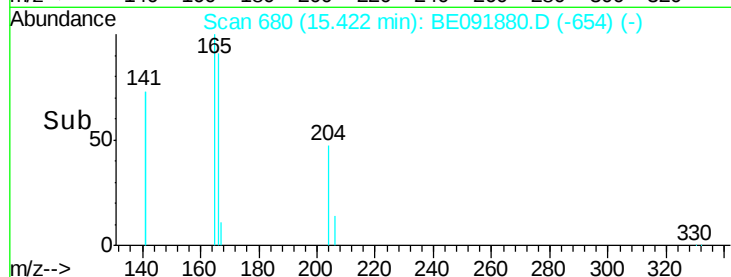
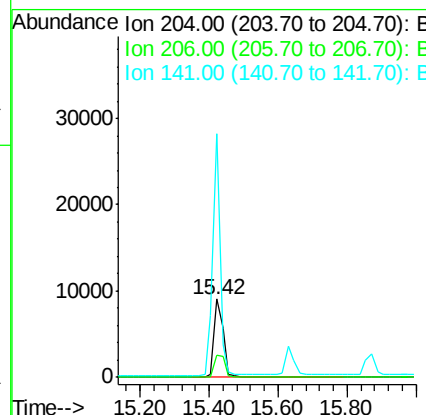
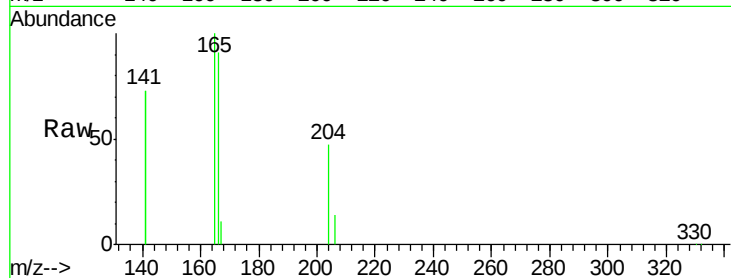




#23
4-Chlorophenyl-phenylether
Concen: 1.53 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

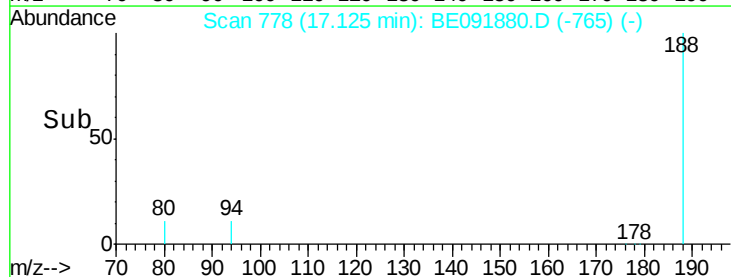
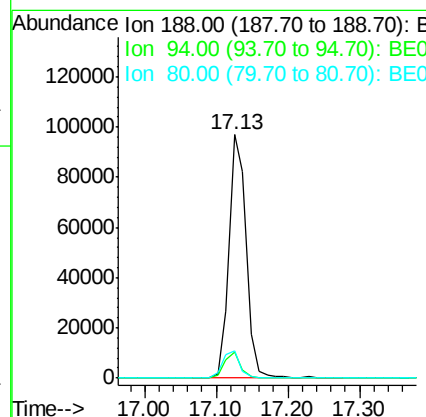
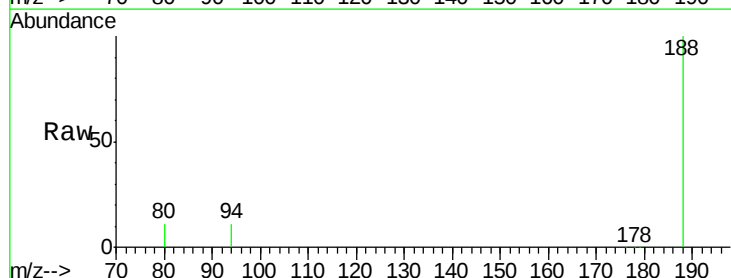
Instrument :
BNA_E
ClientSampleId :

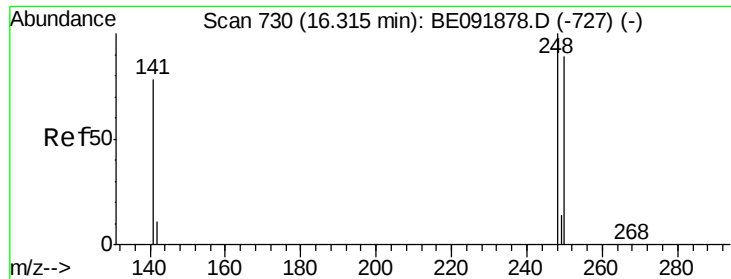
Tot Ion:204 Resp: 16296
Ion Ratio Lower Upper
204 100
206 33.6 27.8 41.6
141 251.9 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Tgt Ion:188 Resp: 160301
Ion Ratio Lower Upper
188 100
94 10.9 4.1 6.1#
80 11.0 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 1.74 ng

RT: 16.31 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

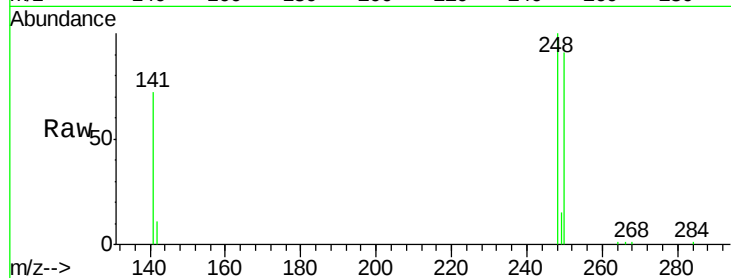
Tot Ion:248 Resp: 9942

Ion Ratio Lower Upper

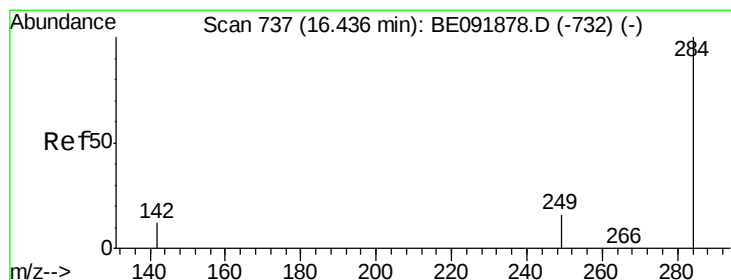
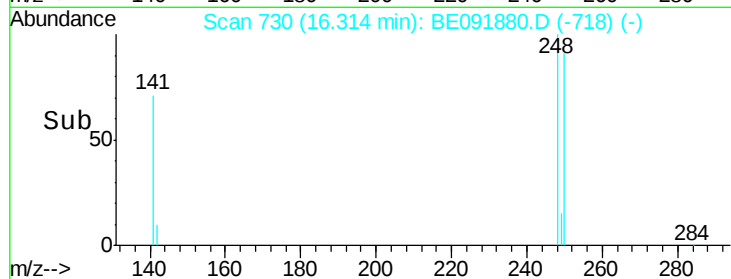
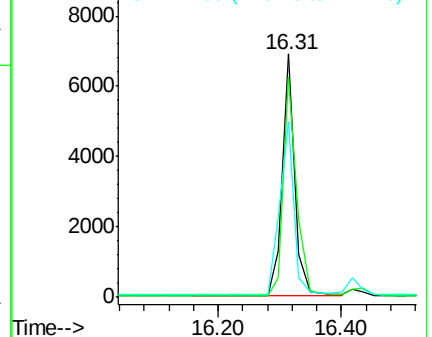
248 100

250 96.0 75.7 113.5

141 81.5 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: 1.84 ng

RT: 16.44 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

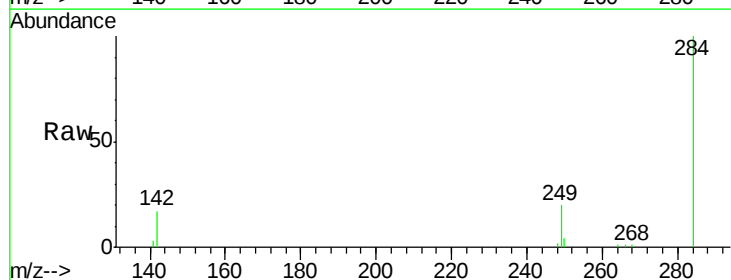
Tgt Ion:284 Resp: 10047

Ion Ratio Lower Upper

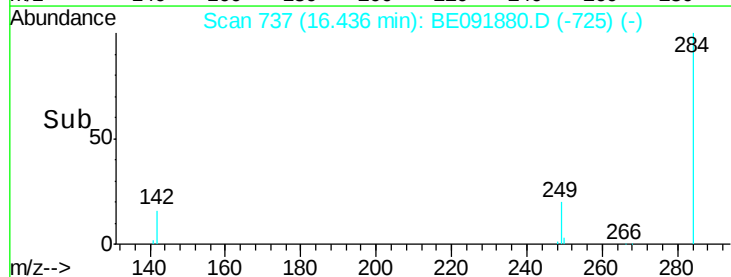
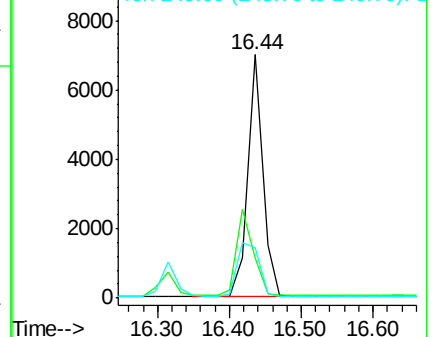
284 100

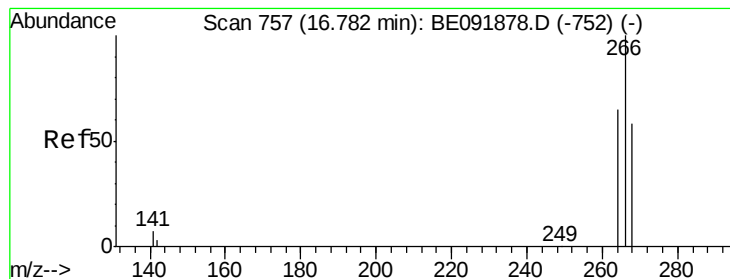
142 39.6 31.4 47.2

249 31.5 25.3 37.9



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 1.64 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

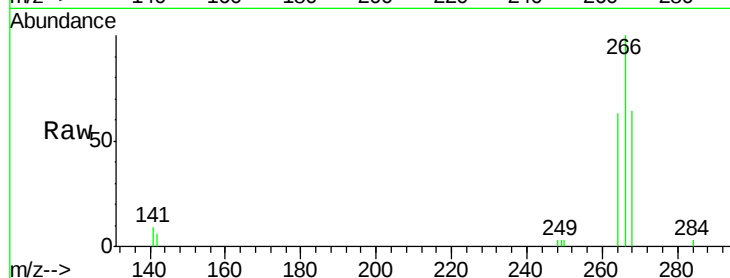
Tot Ion:266 Resp: 3445

Ion Ratio Lower Upper

266 100

268 63.8 60.5 90.7

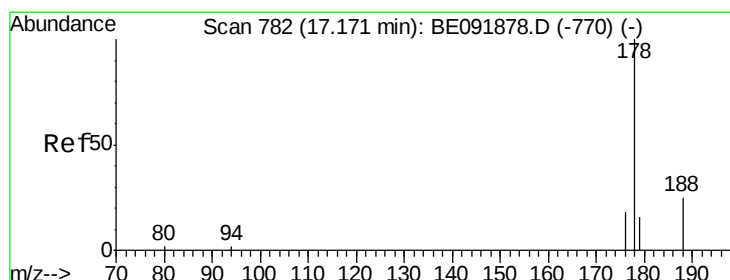
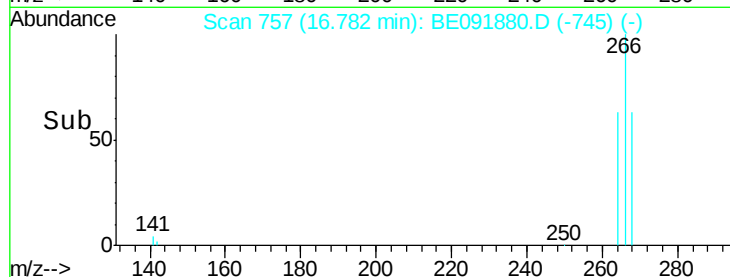
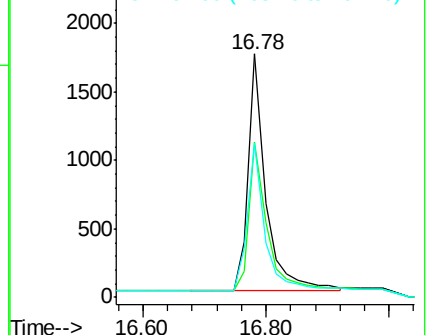
264 63.5 51.0 76.4



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: 1.80 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

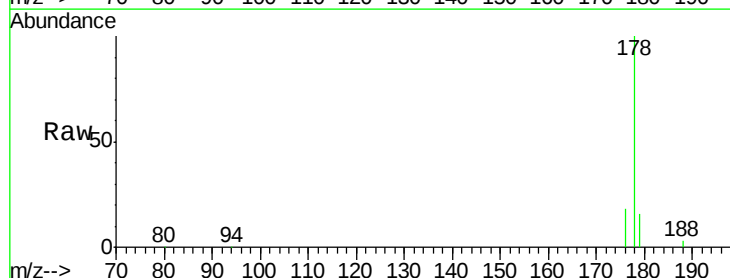
Tgt Ion:178 Resp: 62957

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

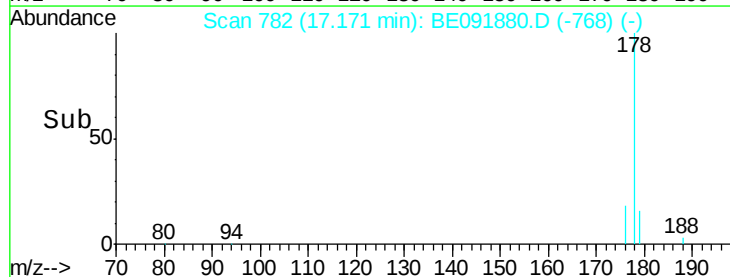
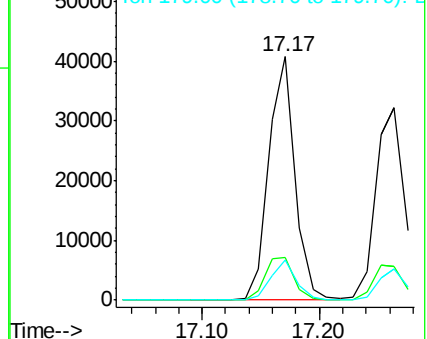
179 15.5 12.9 19.3

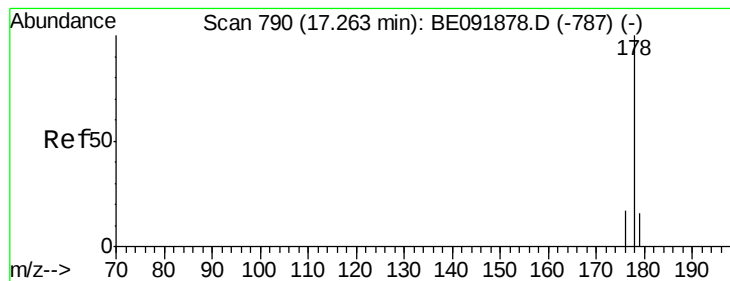


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 1.77 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampled :

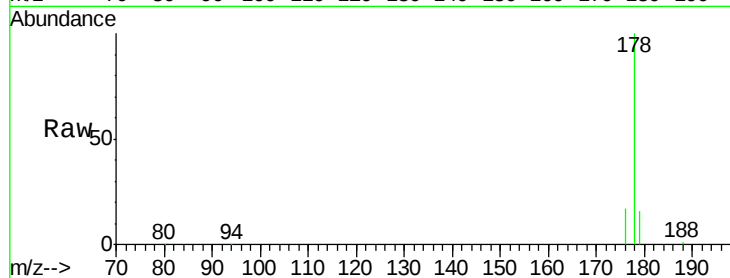
Tot Ion:178 Resp: 56795

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

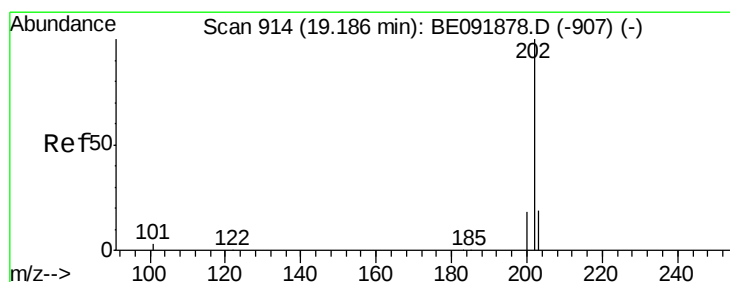
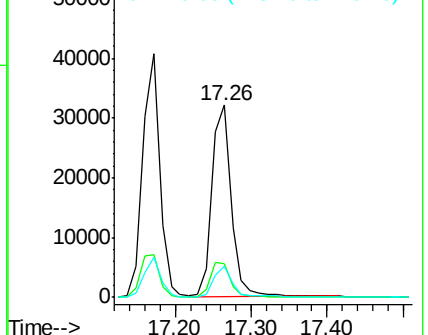
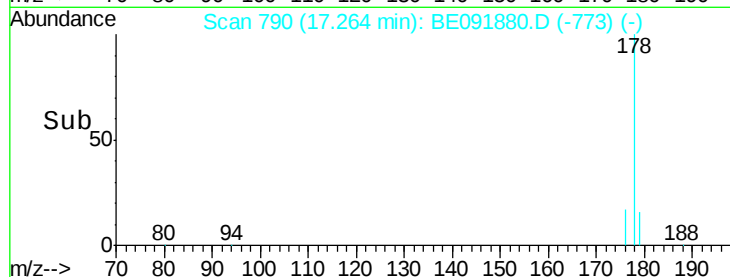
179 15.3 12.1 18.1



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: 1.63 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

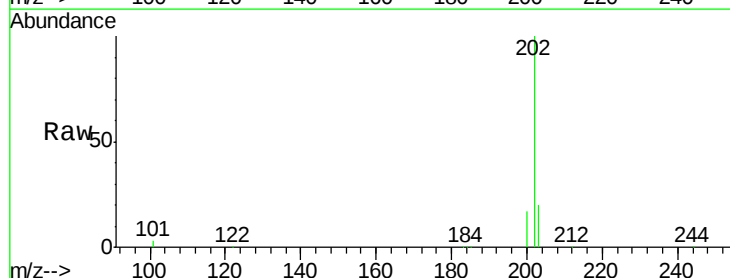
Tgt Ion:202 Resp: 66357

Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.0

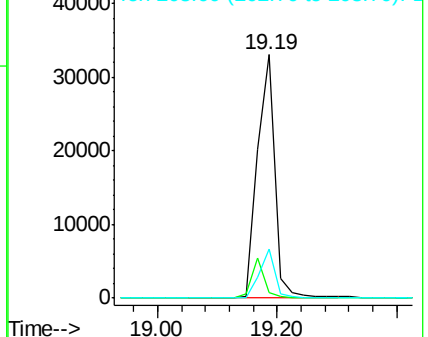
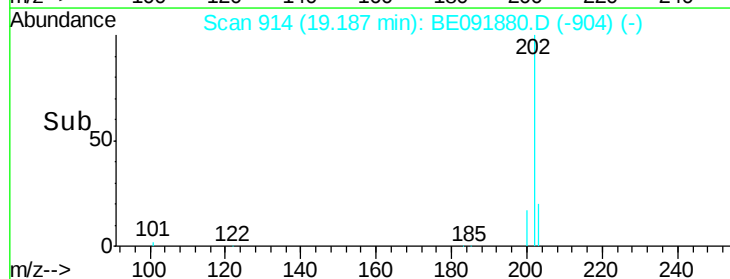
203 17.8 14.3 21.5

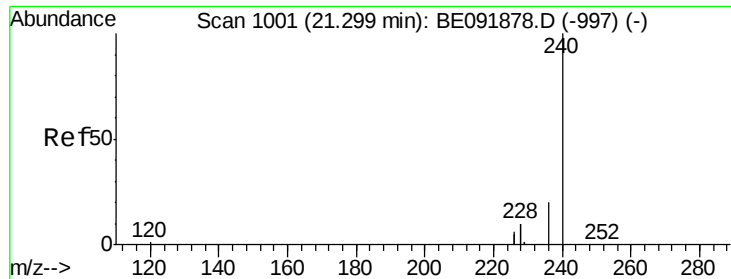


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

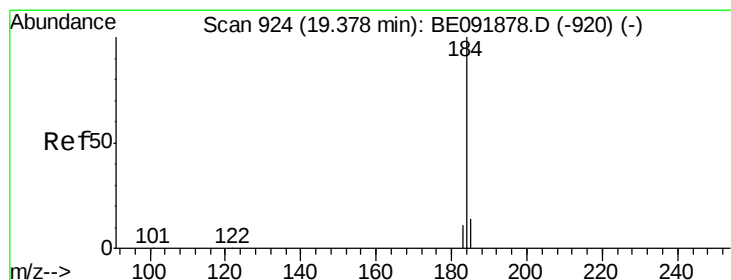
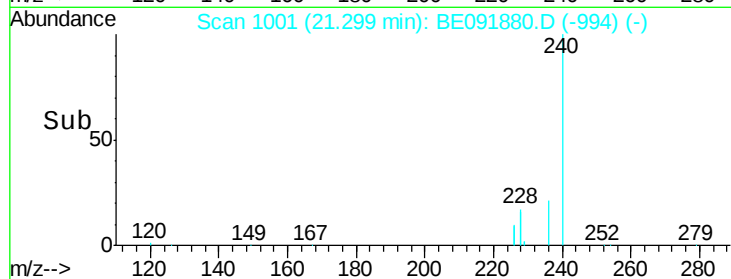
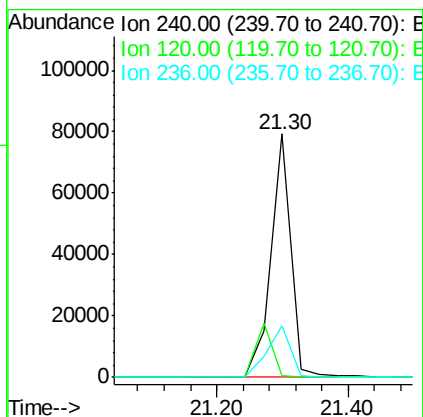
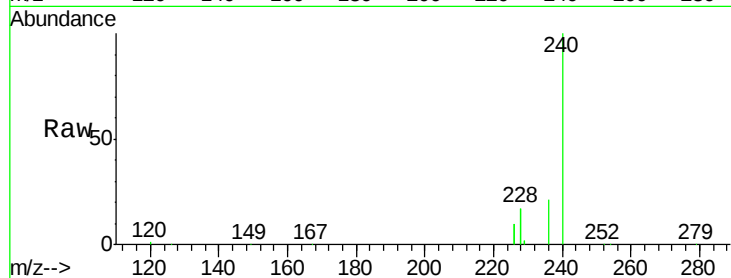




#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.30 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BE091880.D
 Acq: 7 Jun 2016 12:46

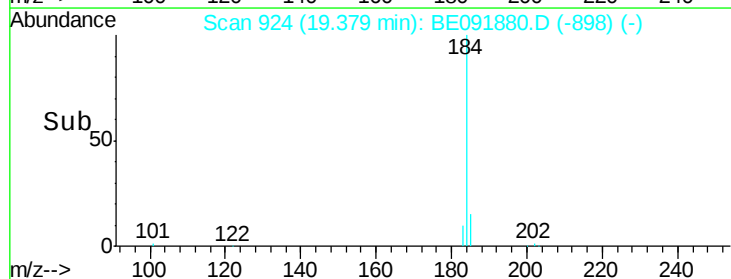
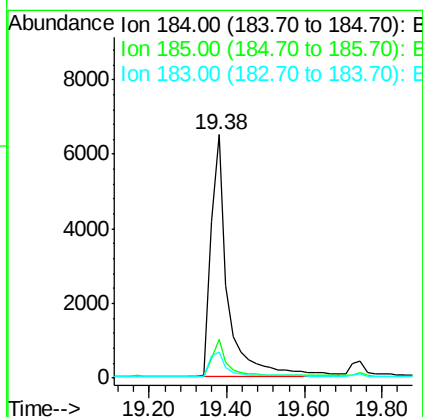
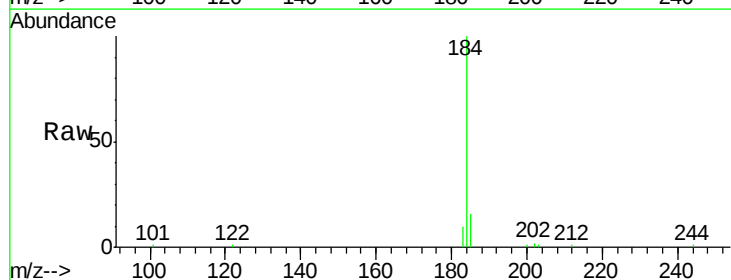
Instrument :
 BNA_E
 ClientSampleId :

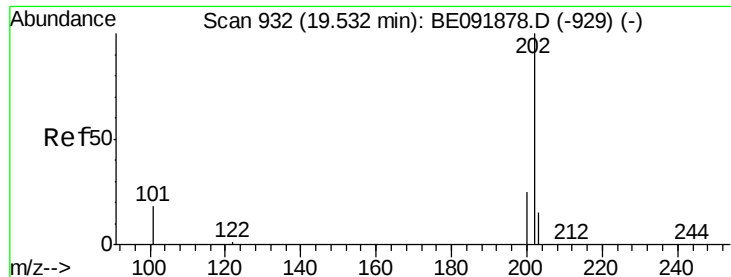
Tot Ion:240 Resp: 168035
 Ion Ratio Lower Upper
 240 100
 120 0.7 1.2 1.8#
 236 21.1 19.8 29.8



#32
 Benzidine
 Concen: 1.47 ng
 RT: 19.38 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BE091880.D
 Acq: 7 Jun 2016 12:46

Tgt Ion:184 Resp: 19731
 Ion Ratio Lower Upper
 184 100
 185 15.7 11.4 17.2
 183 10.5 11.8 17.6#

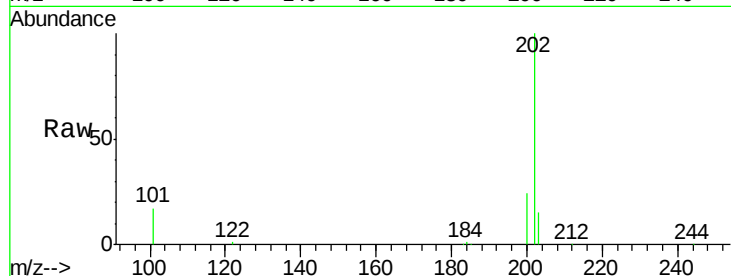




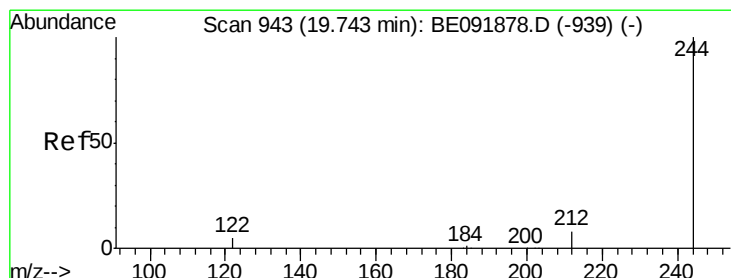
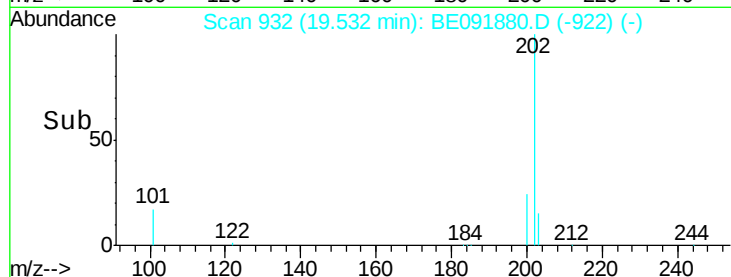
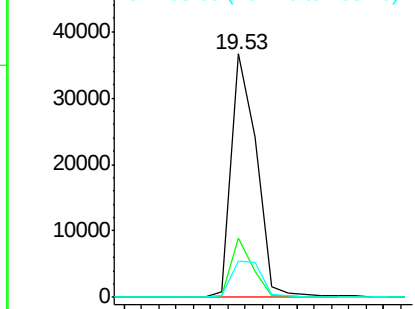
#33
Pvrene
Concen: 2.07 ng
RT: 19.53 min Scan# 932
Delta R.T. 0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 73910
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 17.8 14.1 21.1

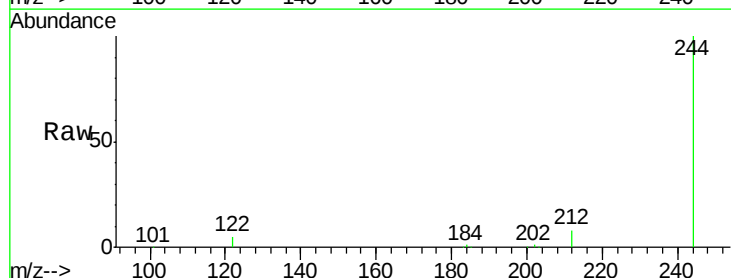


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

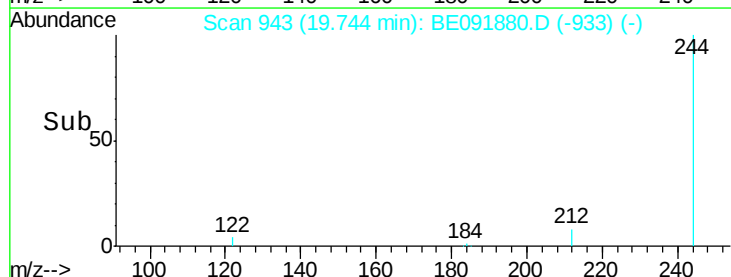
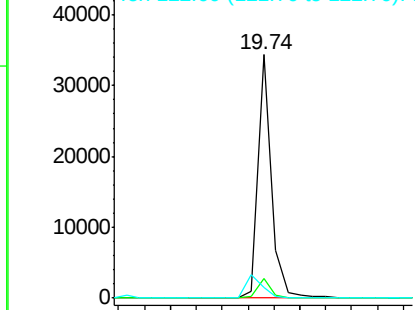


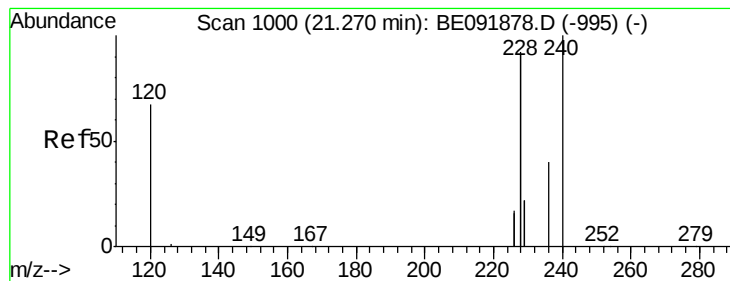
#34
Terphenyl-d14
Concen: 1.97 ng
RT: 19.74 min Scan# 943
Delta R.T. 0.00 min
Lab File: BE091880.D
Acq: 7 Jun 2016 12:46

Tgt Ion:244 Resp: 50081
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 4.5 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: 15.18 ng

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

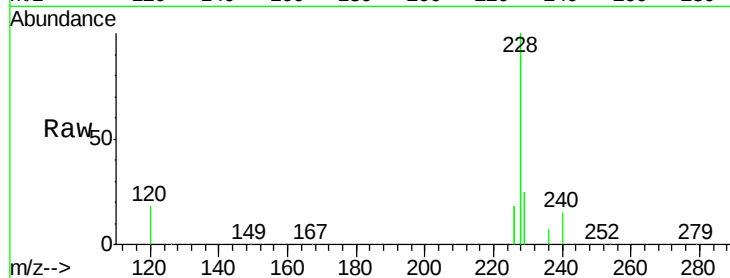
Tot Ion:228 Resp: 679748

Ion Ratio Lower Upper

228 100

226 18.3 21.0 31.4#

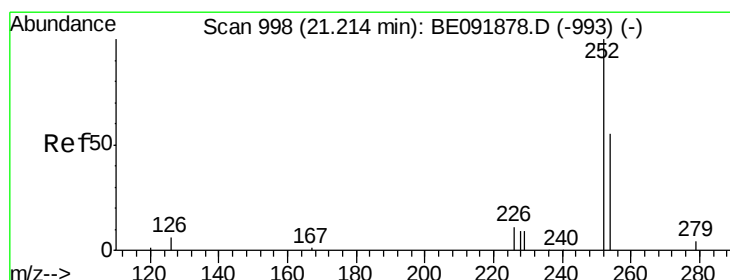
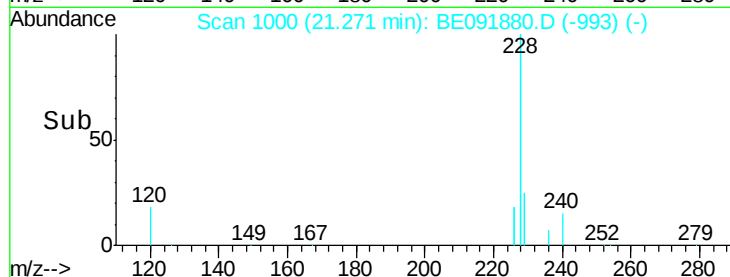
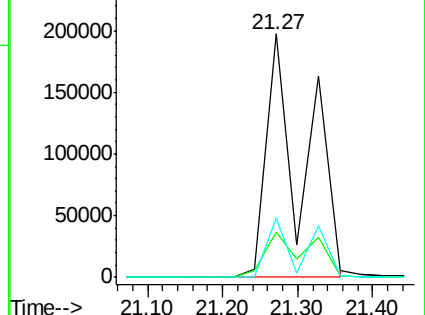
229 24.5 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 0.75 ng

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

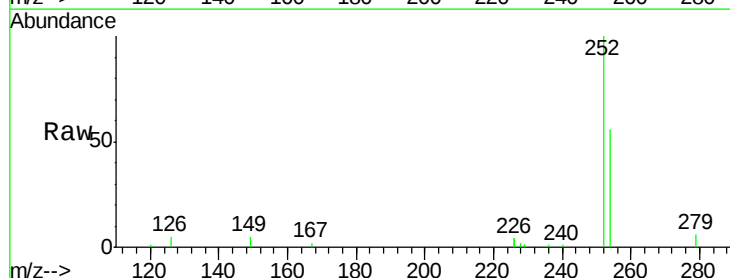
Tgt Ion:252 Resp: 18419

Ion Ratio Lower Upper

252 100

254 56.2 61.5 92.3#

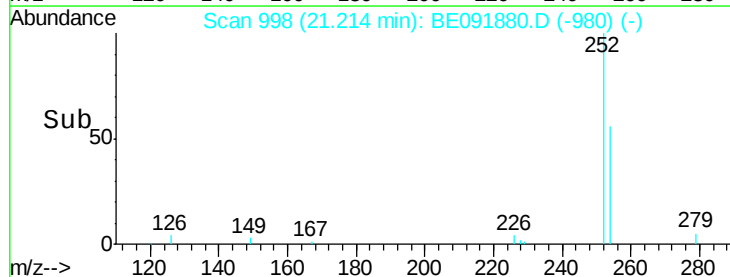
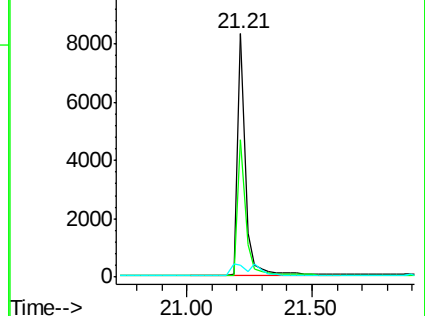
126 4.8 2.5 3.7#

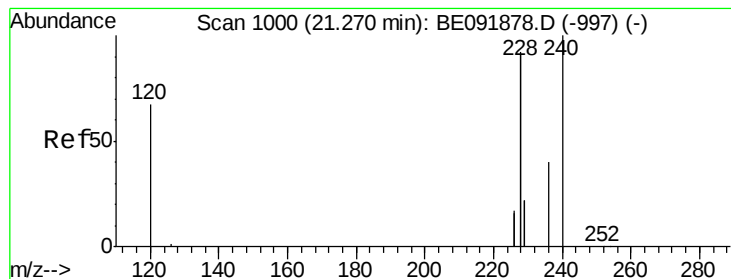


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 16.70 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

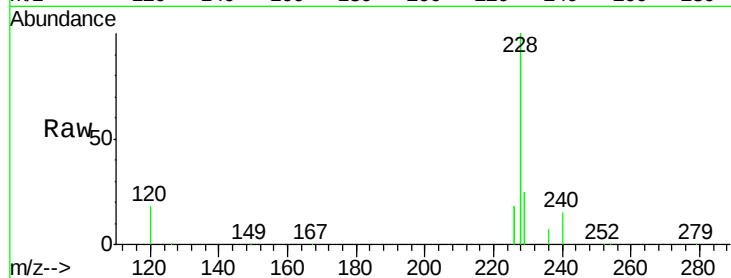
Tot Ion:228 Resp: 686016

Ion Ratio Lower Upper

228 100

226 18.3 27.0 40.6#

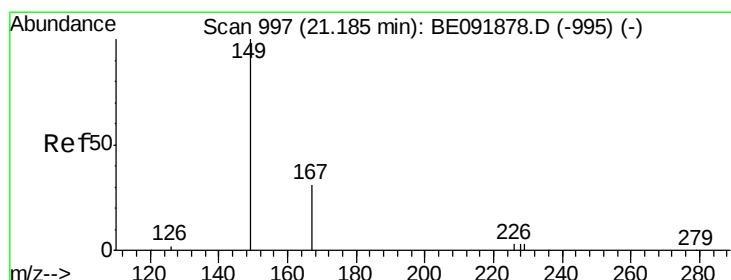
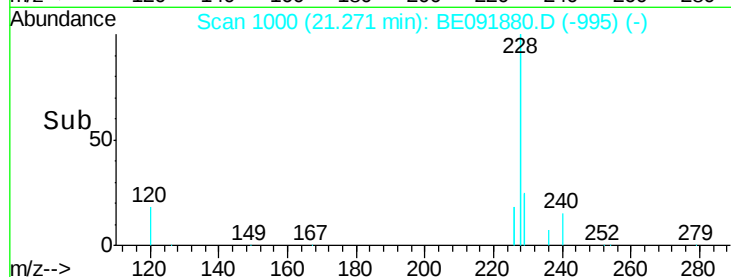
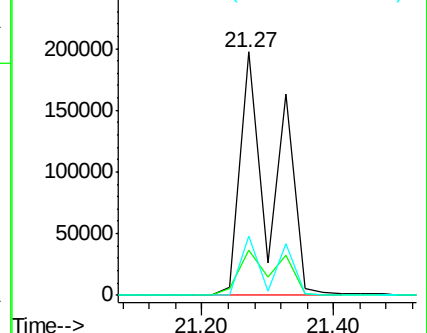
229 24.5 13.8 20.8#



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: 2.64 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

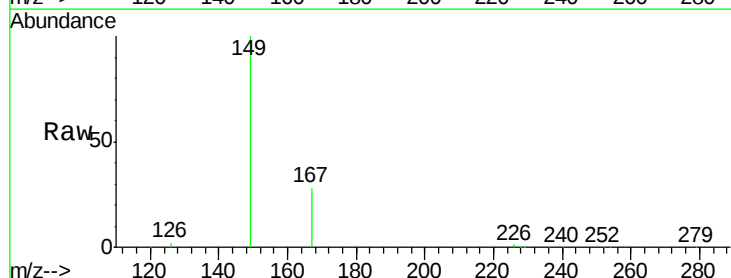
Tgt Ion:149 Resp: 42859

Ion Ratio Lower Upper

149 100

167 28.0 0.0 0.0#

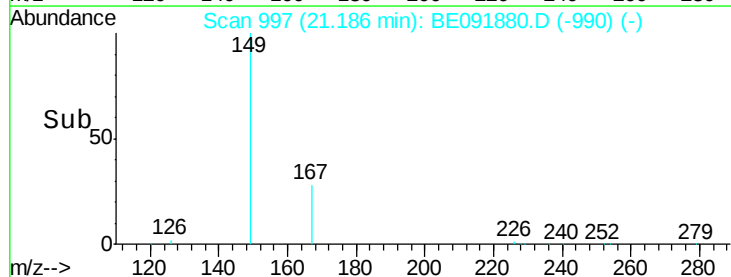
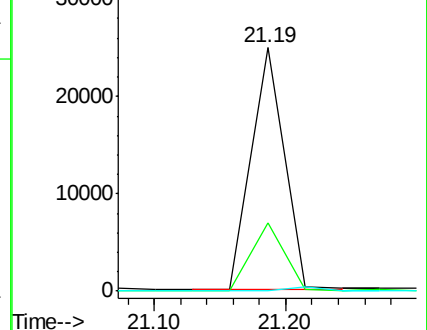
279 0.0 0.0 0.0

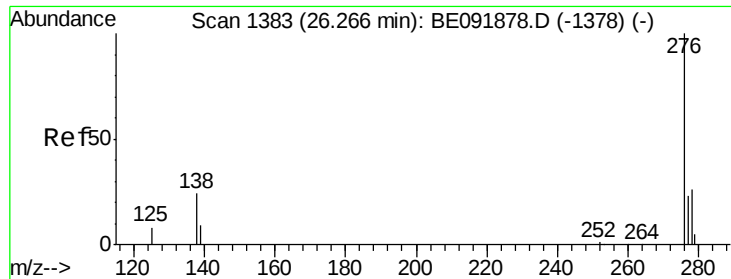


Abundance Ion 149.00 (148.70 to 149.70): E

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: 2.07 ng

RT: 26.29 min Scan# 1384

Delta R.T. 0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

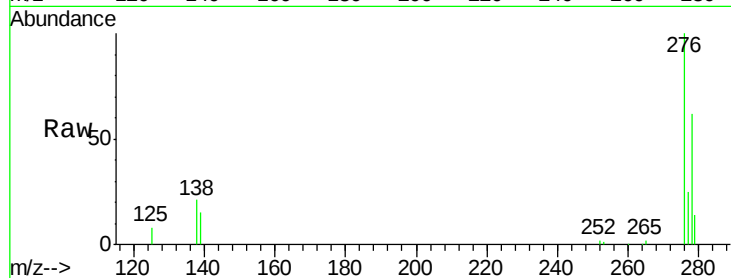
Tot Ion:276 Resp: 86785

Ion Ratio Lower Upper

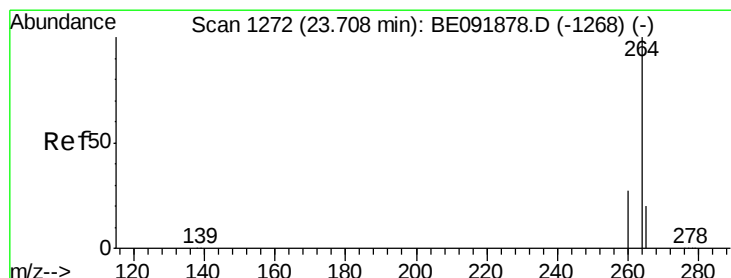
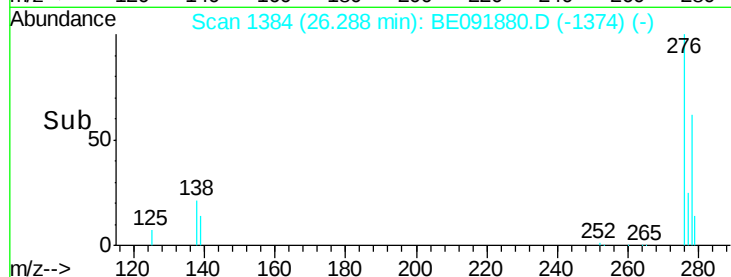
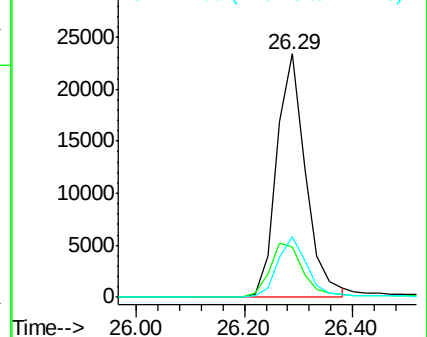
276 100

138 0.0 19.7 29.5#

277 24.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.73 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

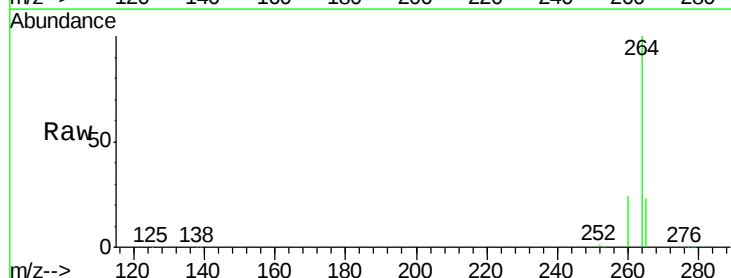
Tgt Ion:264 Resp: 202455

Ion Ratio Lower Upper

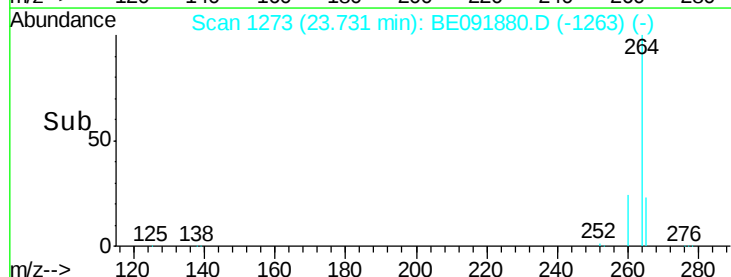
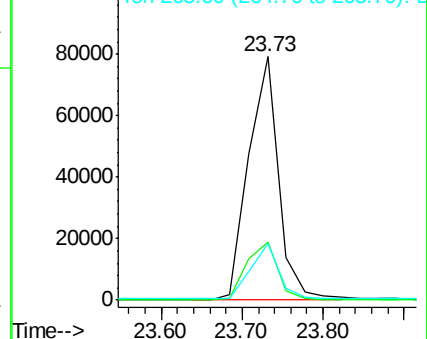
264 100

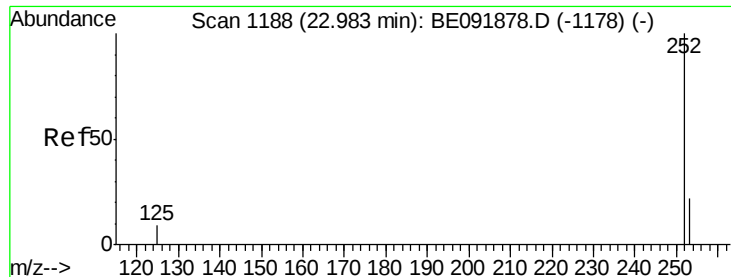
260 23.9 20.3 30.5

265 23.3 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: 1.44 ng

RT: 22.98 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

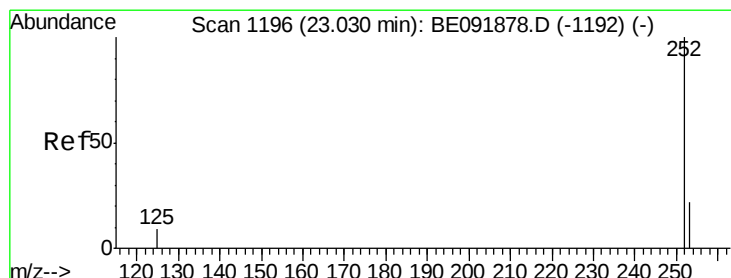
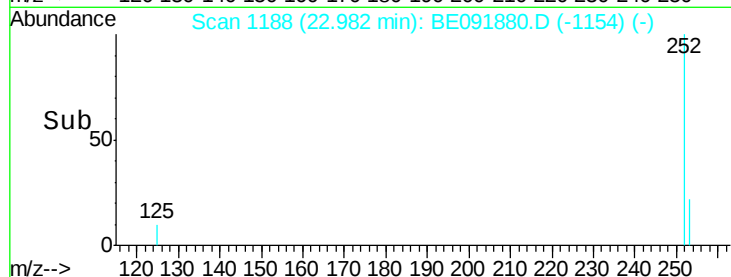
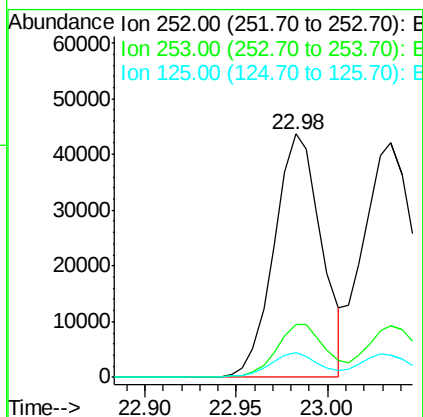
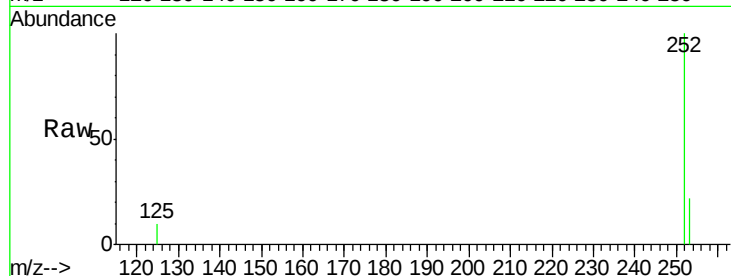
Tot Ion:252 Resp: 78498

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.0 9.4 14.2



#42

Benzo(k)fluoranthene

Concen: 1.76 ng

RT: 23.03 min Scan# 1197

Delta R.T. 0.01 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

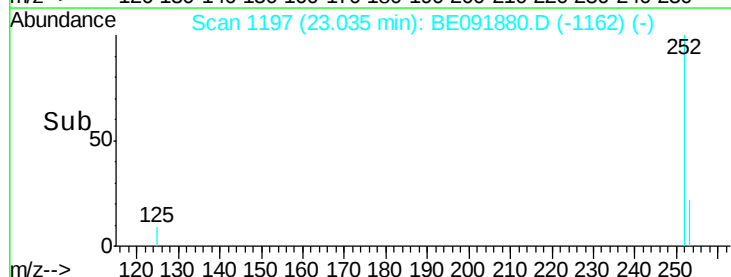
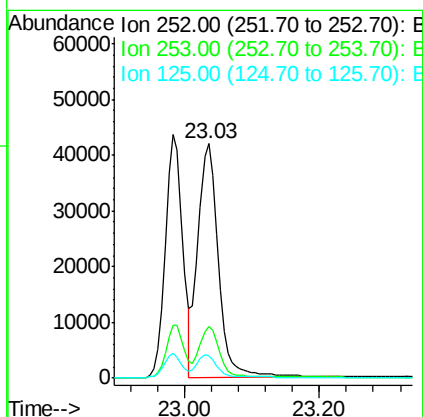
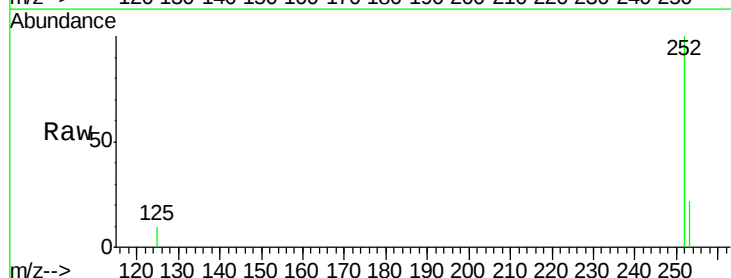
Tgt Ion:252 Resp: 87032

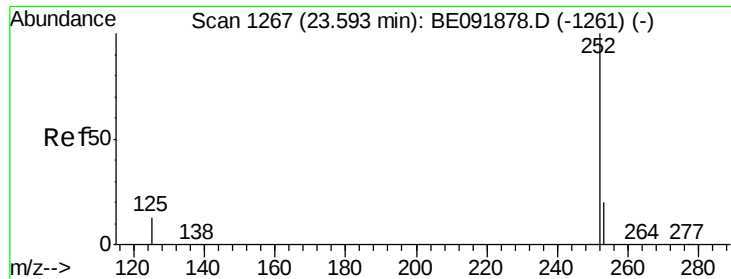
Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.2

125 9.6 8.3 12.5





#43

Benzo(a)pyrene

Concen: 1.58 ng

RT: 23.62 min Scan# 1268

Delta R.T. 0.02 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

Instrument :

BNA_E

ClientSampleId :

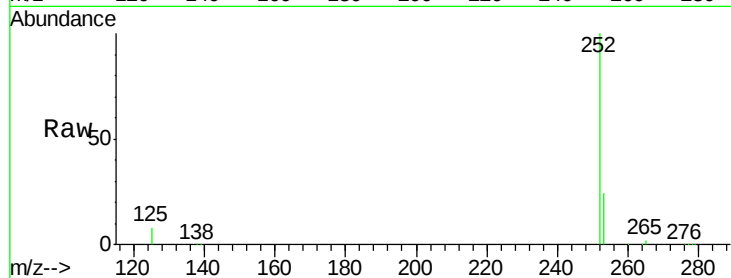
Tot Ion:252 Resp: 78020

Ion Ratio Lower Upper

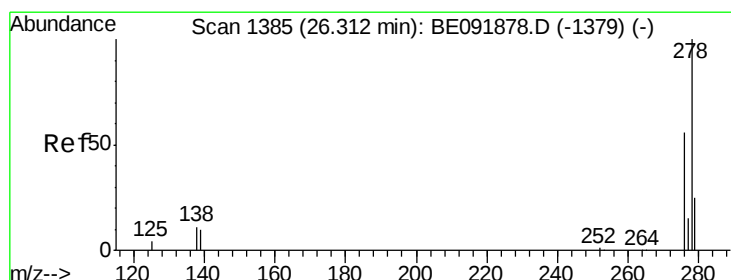
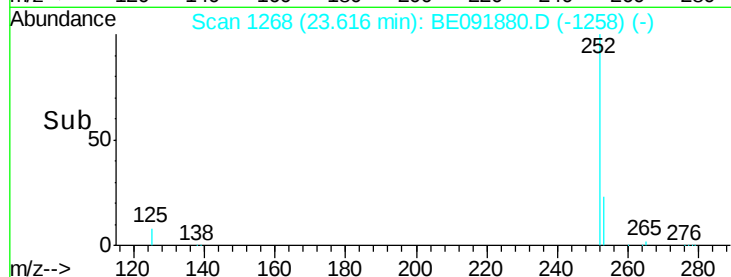
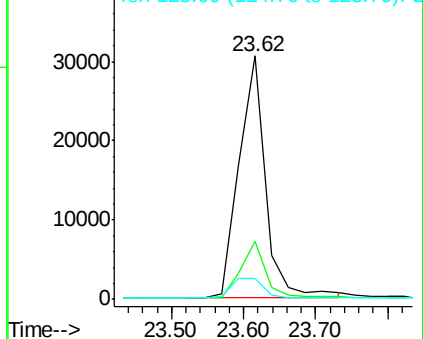
252 100

253 23.6 18.9 28.3

125 8.3 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 1.56 ng

RT: 26.31 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE091880.D

Acq: 7 Jun 2016 12:46

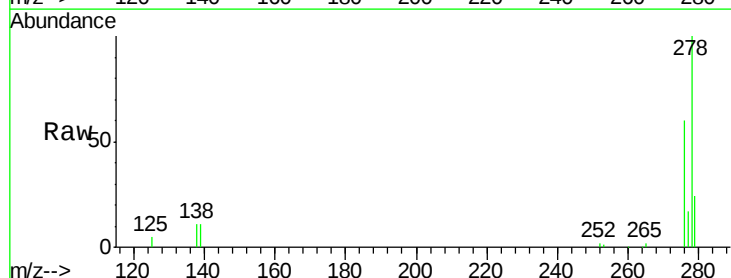
Tgt Ion:278 Resp: 73880

Ion Ratio Lower Upper

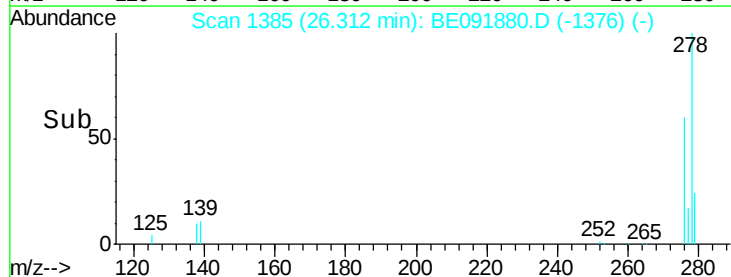
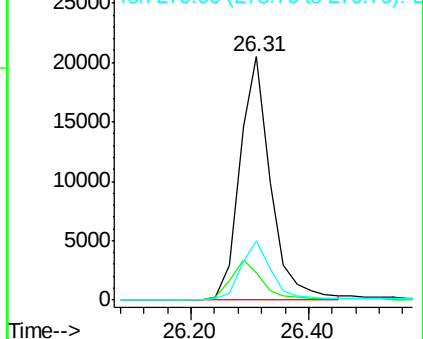
278 100

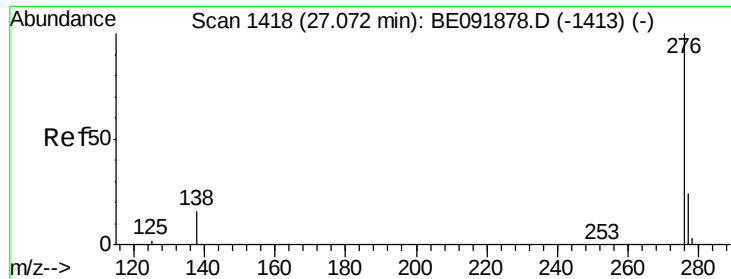
139 11.1 12.6 18.8#

279 24.1 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

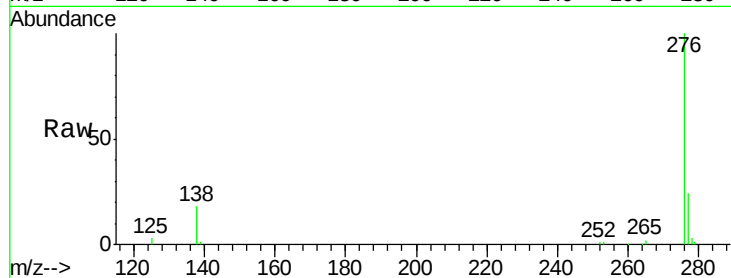




#45
 Benzo(a,h,i)perylene
 Concen: 1.58 ng
 RT: 27.07 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: BE091880.D
 Acq: 7 Jun 2016 12:46

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 276 Resp: 75835
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.5 29.3
 138 18.4 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

