

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091876.D
 Acq On : 7 Jun 2016 10:14
 Operator : UM/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 07 12:57:43 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	21932	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	97046	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	53721	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	171773	5.00	ng	0.00
31) Chrysene-d12	21.30	240	156550	5.00	ng	0.00
40) Perylene-d12	23.71	264	213383	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	461	0.07	ng	0.00
5) Phenol-d6	6.95	99	492	0.06	ng	0.00
9) Nitrobenzene-d5	8.94	82	496	0.06	ng	0.00
16) 2,4,6-Tribromophenol	15.89	330	140	0.06	ng	0.00
17) 2-Fluorobiphenyl	13.03	172	1590	0.10	ng	0.02
34) Terphenyl-d14	19.74	244	3108	0.13	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	493	0.15	ng	# 80
3) n-Nitrosodimethylamine	3.63	42	321	0.08	ng	# 97
6) bis(2-Chloroethyl)ether	7.20	93	618	0.09	ng	# 93
7) n-Nitroso-di-n-propylamine	8.57	70	473	0.07	ng	# 78
10) Nitrobenzene	8.99	77	464	0.06	ng	# 95
11) bis(2-Chloroethoxy)methane	10.03	93	1060	0.12	ng	# 24
12) Naphthalene	10.59	128	2190	0.10	ng	# 90
13) Hexachlorobutadiene	10.88	225	319	0.10	ng	# 94
14) 2-Methylnaphthalene	12.23	142	1258	0.09	ng	# 95
18) Acenaphthylene	14.10	152	2755	0.10	ng	# 71
19) 2,6-Dinitrotoluene	13.98	165	173	0.05	ng	# 83
20) Acenaphthene	14.44	154	1687	0.12	ng	# 93
21) 2,4-Dinitrotoluene	14.80	165	245	0.06	ng	# 1
22) Fluorene	15.44	166	1782	0.09	ng	# 99
23) 4-Chlorophenyl-phenylether	15.44	204	905	0.10	ng	# 97
25) 4-Bromophenyl-phenylether	16.31	248	530	0.09	ng	# 93
26) Hexachlorobenzene	16.43	284	602	0.10	ng	# 97
27) Pentachlorophenol	16.80	266	210	0.09	ng	# 86
28) Phenanthrene	17.17	178	3857	0.10	ng	# 97
29) Anthracene	17.26	178	3033	0.09	ng	# 99
30) Fluoranthene	19.19	202	4127	0.09	ng	# 99
32) Benzidine	19.40	184	1103	0.09	ng	# 69
33) Pyrene	19.55	202	4170	0.13	ng	# 99
35) Benzo(a)anthracene	21.27	228	40422	0.97	ng	# 86
36) 3,3'-Dichlorobenzidine	21.24	252	1336	0.06	ng	# 92
37) Chrysene	21.27	228	41123	1.07	ng	# 76
38) Bis(2-ethylhexyl)phthalate	21.19	149	2210	0.15	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	5067	0.13	ng	# 76
41) Benzo(b)fluoranthene	22.98	252	5396	0.09	ng	# 93
42) Benzo(k)fluoranthene	23.03	252	5380	0.10	ng	# 93
43) Benzo(a)pyrene	23.59	252	4794	0.09	ng	# 87
44) Dibenzo(a,h)anthracene	26.31	278	4162	0.08	ng	# 92
45) Benzo(a,h,i)perylene	27.07	276	4693	0.09	ng	# 95

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QLast Update : Tue Jun 07 12:56:44 2016
Response via : Initial Calibration

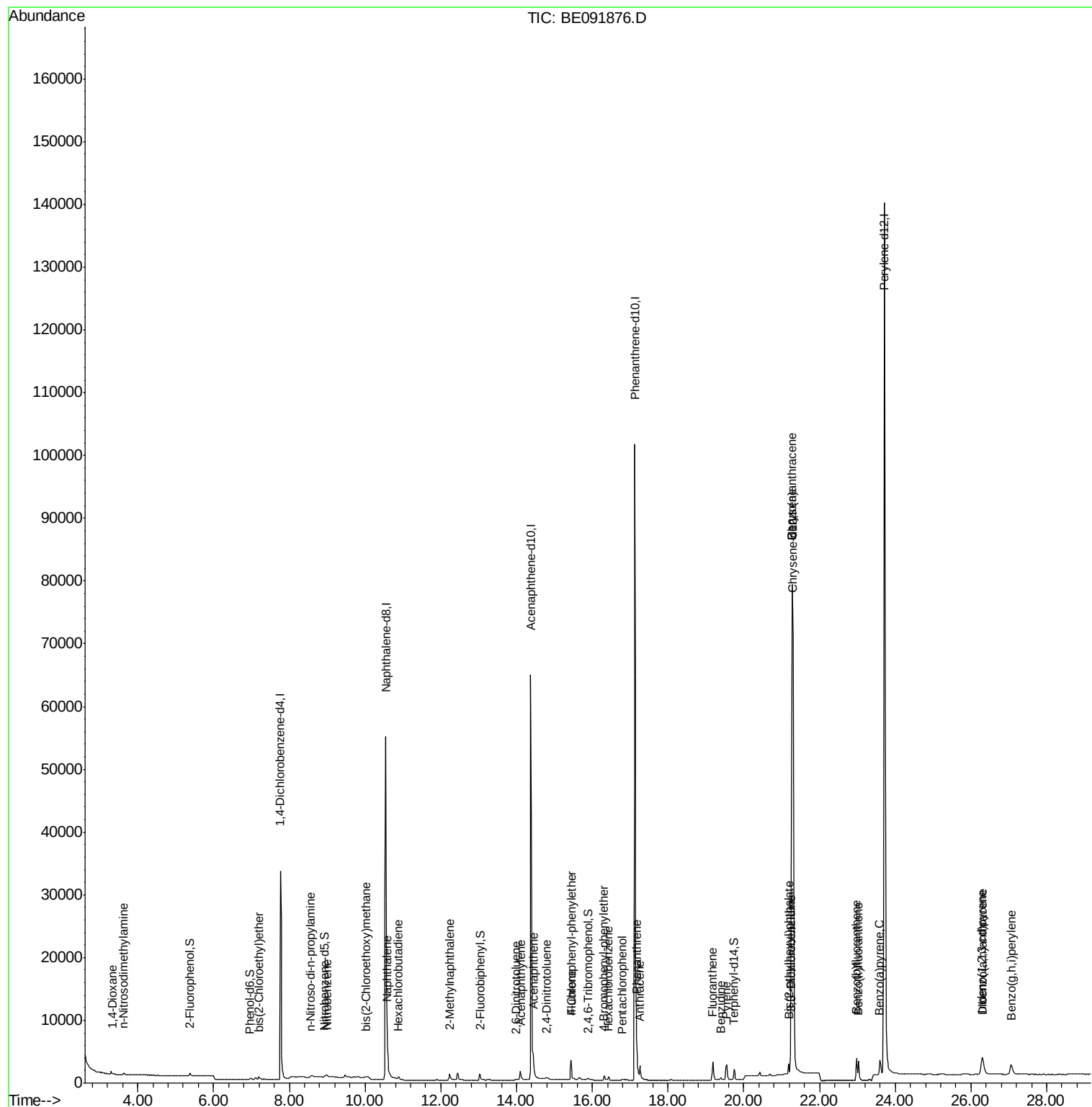
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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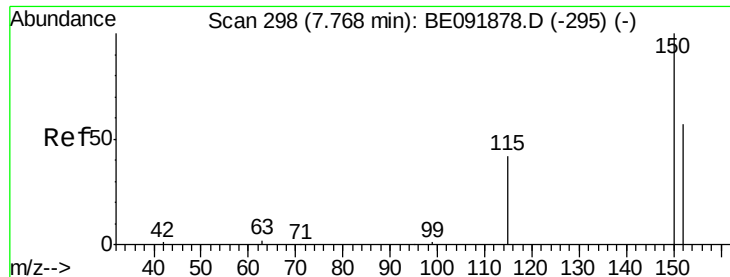
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : SSTDICC0.1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Jun 07 12:57:43 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
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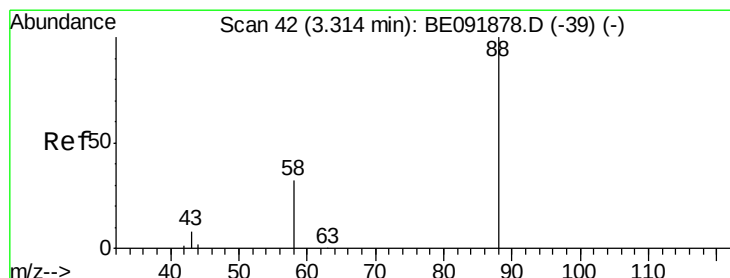
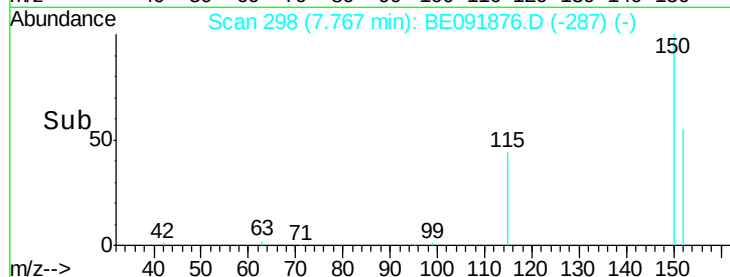
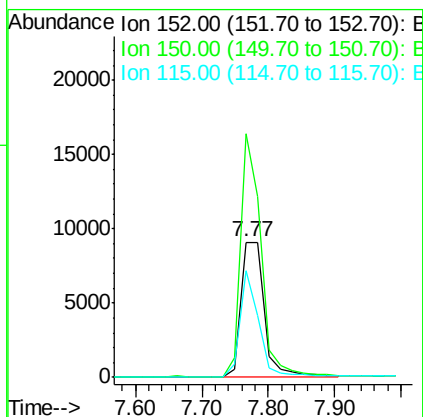
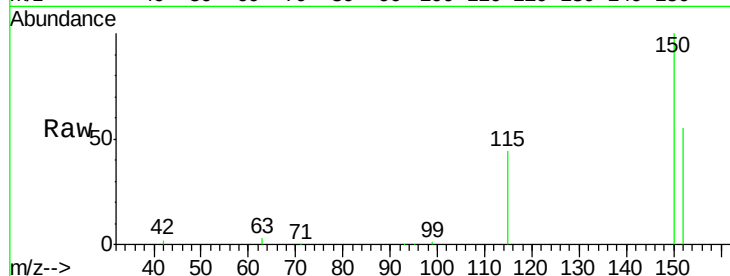


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. -0.00 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

Instrument :
BNA_E
ClientSampleId :

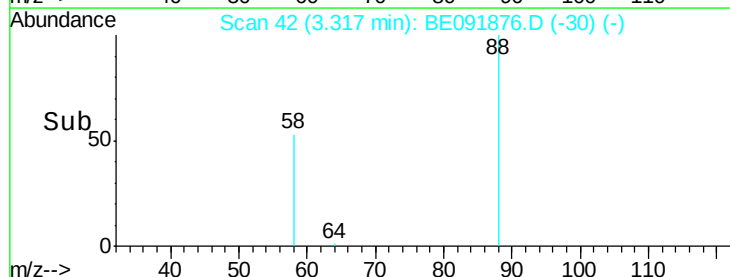
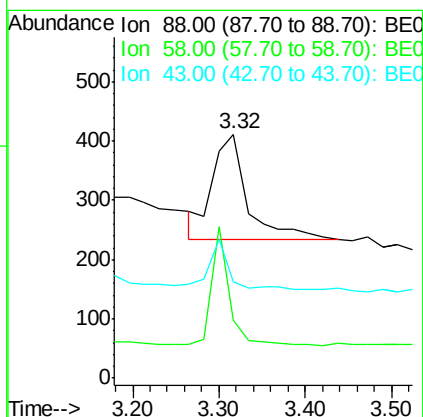
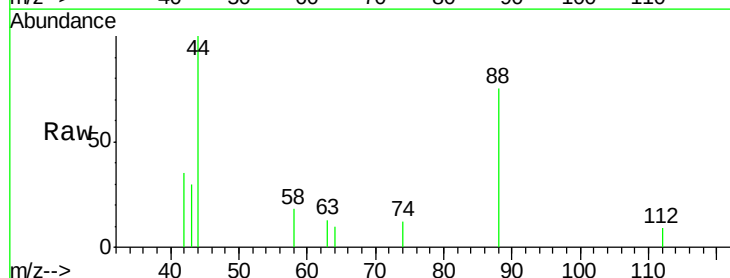
Tot Ion:152 Resp: 21932
Ion Ratio Lower Upper
152 100
150 180.4 123.9 185.9
115 79.2 48.3 72.5#

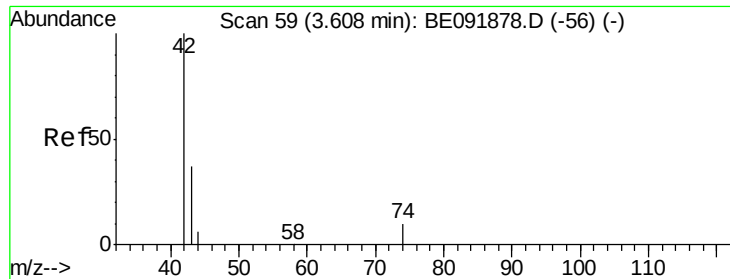


#2

1,4-Dioxane
Concen: 0.15 ng
RT: 3.32 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

Tgt Ion: 88 Resp: 493
Ion Ratio Lower Upper
88 100
58 57.6 63.0 94.4#
43 30.2 29.1 43.7



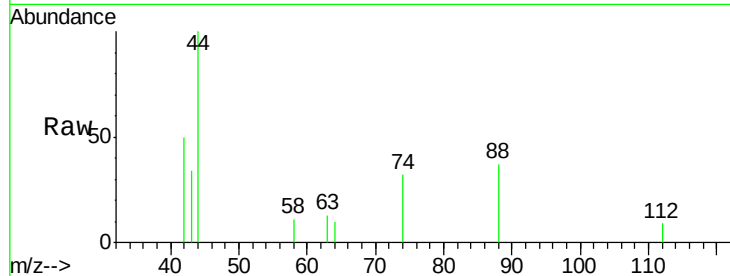


#3

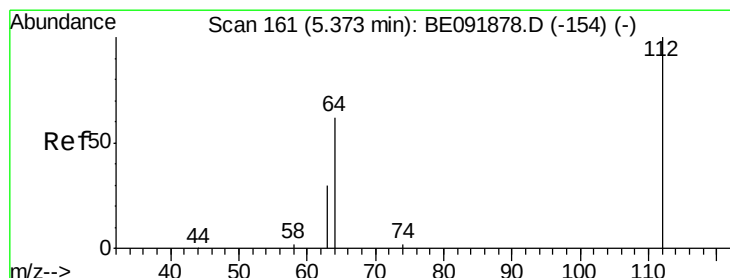
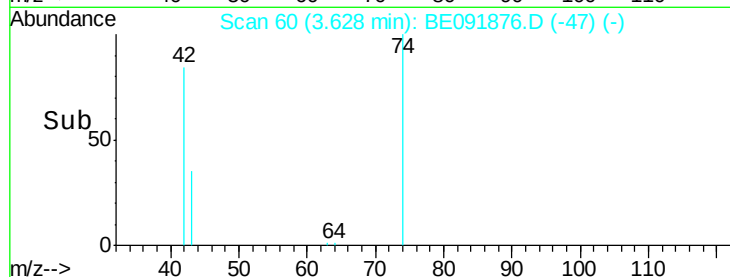
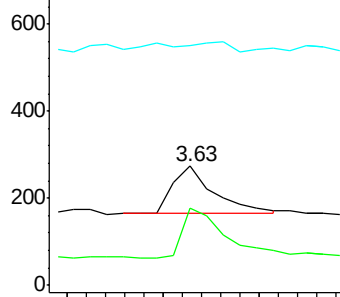
n-Nitrosodimethylamine
 Concen: 0.08 ng
 RT: 3.63 min Scan# 60
 Delta R.T. 0.02 min
 Lab File: BE091876.D
 Acq: 7 Jun 2016 10:14

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 321
 Ion Ratio Lower Upper
 42 100
 74 114.6 93.4 140.0
 44 0.0 5.0 7.6#



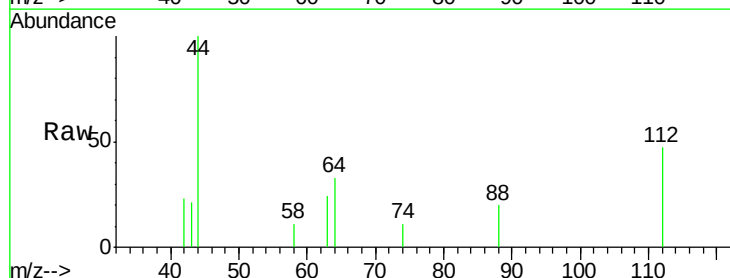
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



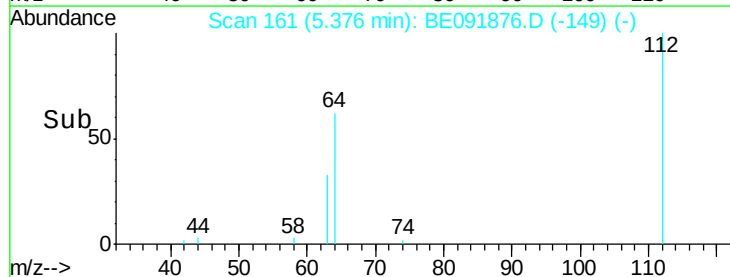
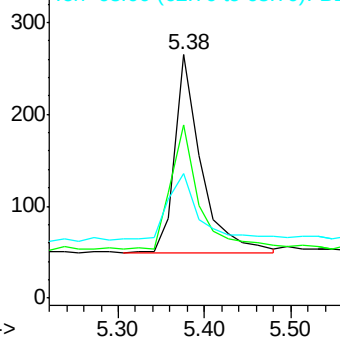
#4

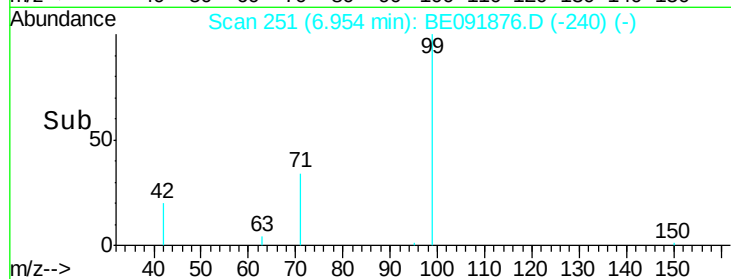
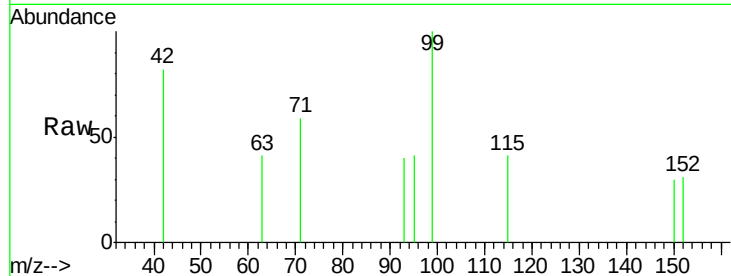
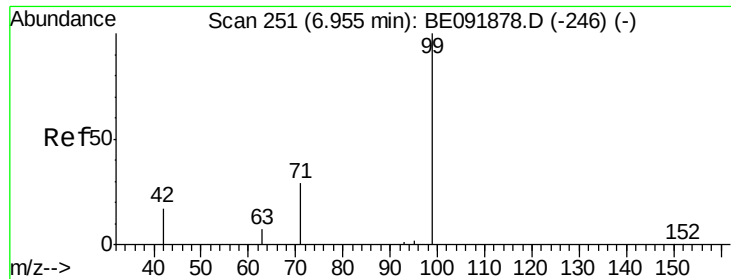
2-Fluorophenol
 Concen: 0.07 ng
 RT: 5.38 min Scan# 161
 Delta R.T. 0.00 min
 Lab File: BE091876.D
 Acq: 7 Jun 2016 10:14

Tgt Ion: 112 Resp: 461
 Ion Ratio Lower Upper
 112 100
 64 66.8 53.7 80.5
 63 41.0 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.06 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

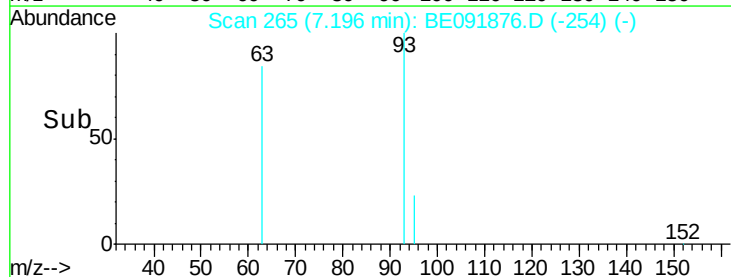
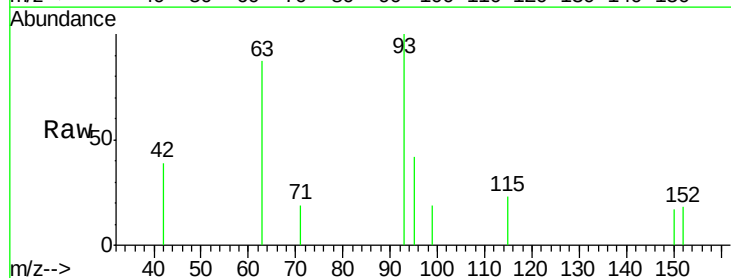
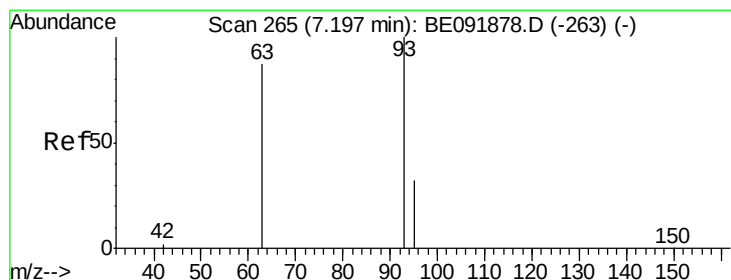
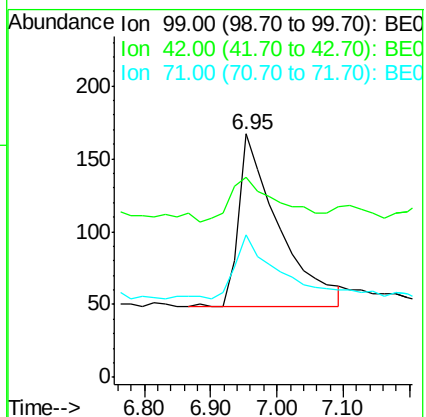
Tot Ion: 99 Resp: 492

Ion Ratio Lower Upper

99 100

42 29.3 19.6 29.4

71 39.4 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 0.09 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

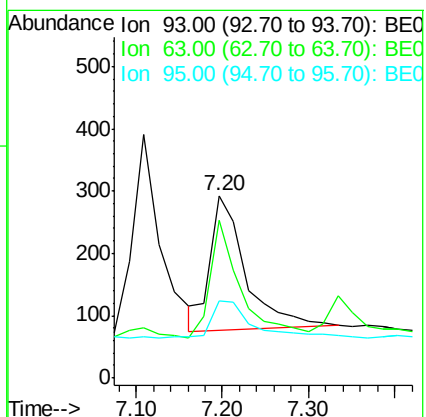
Tgt Ion: 93 Resp: 618

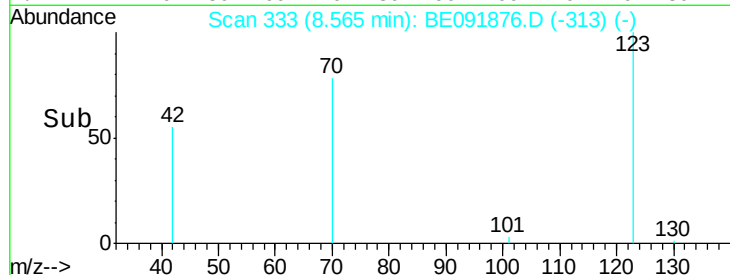
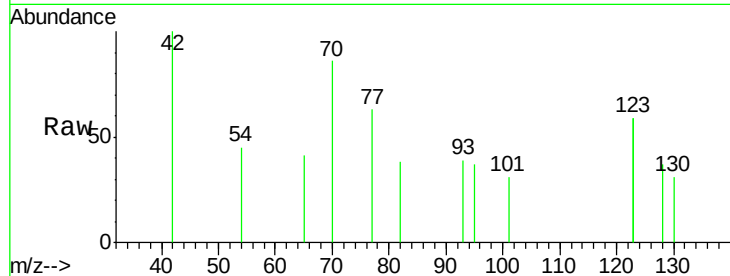
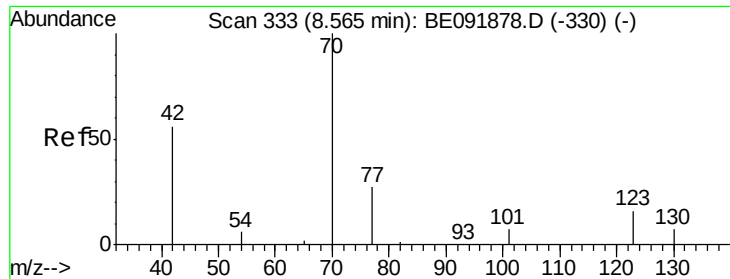
Ion Ratio Lower Upper

93 100

63 75.2 66.2 99.4

95 33.3 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 0.07 ng

RT: 8.57 min Scan# 333

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 473

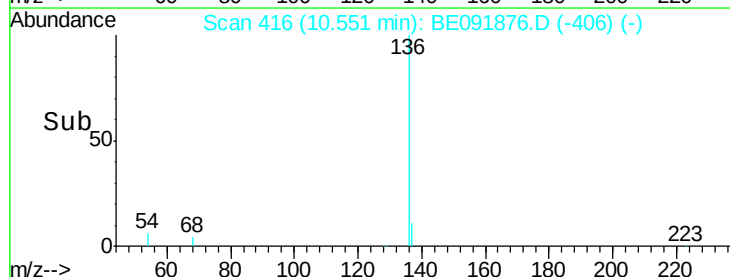
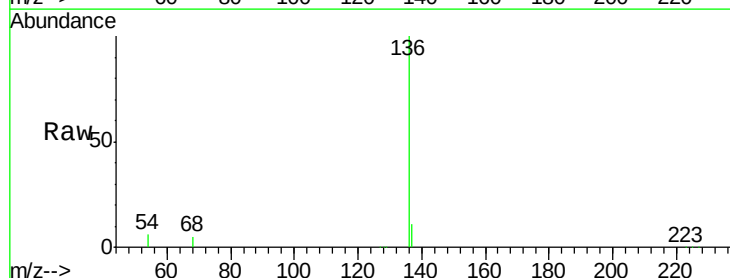
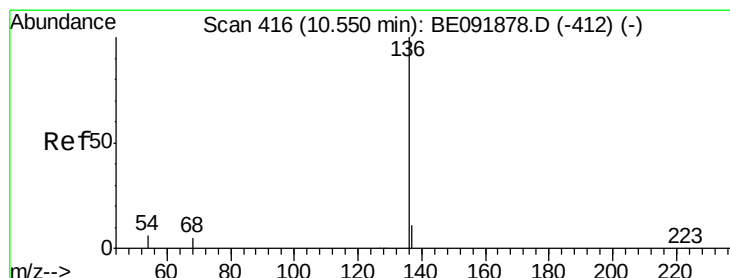
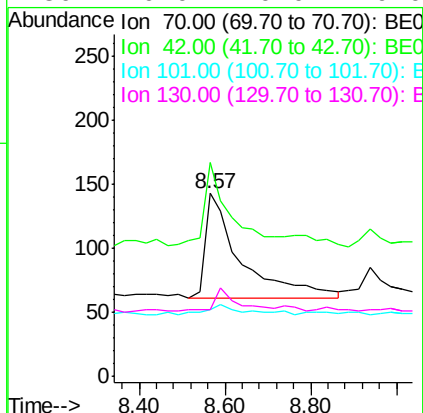
Ion Ratio Lower Upper

70 100

42 54.8 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 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: BE091876.D

Acq: 7 Jun 2016 10:14

Tgt Ion: 136 Resp: 97046

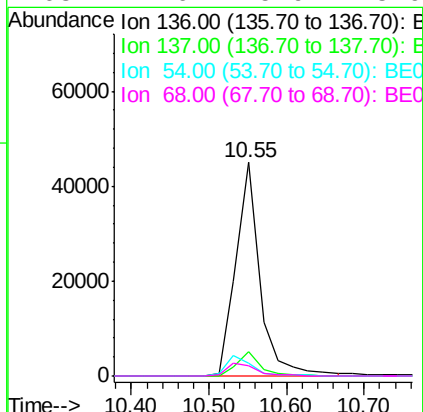
Ion Ratio Lower Upper

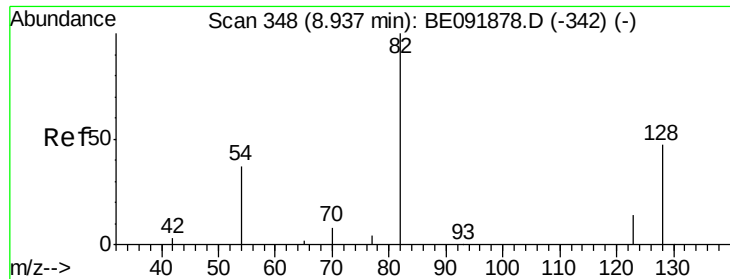
136 100

137 11.3 8.3 12.5

54 6.0 8.2 12.4#

68 4.6 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 0.06 ng

RT: 8.94 min Scan# 348

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

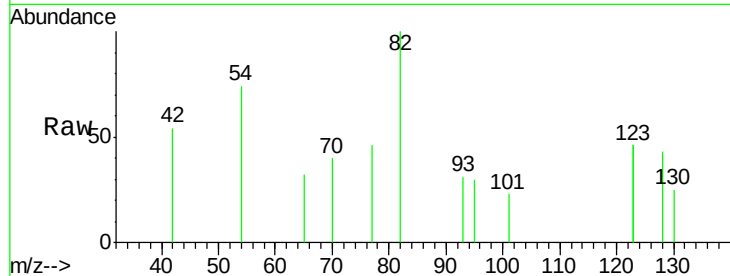
Tot Ion: 82 Resp: 496

Ion Ratio Lower Upper

82 100

128 42.9 39.5 59.3

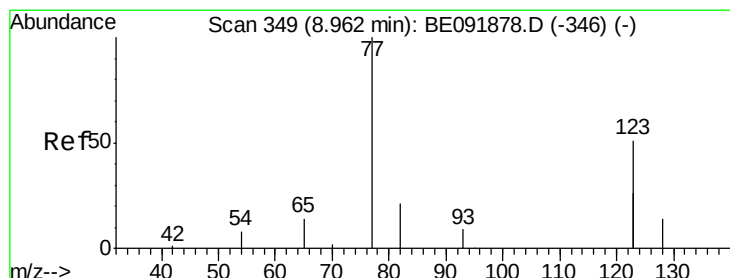
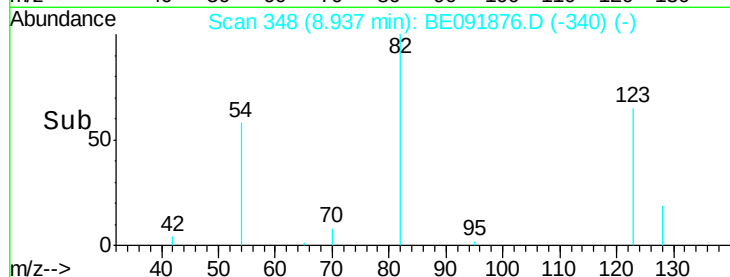
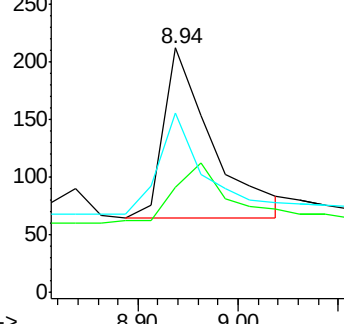
54 73.6 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 0.06 ng

RT: 8.99 min Scan# 350

Delta R.T. 0.02 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

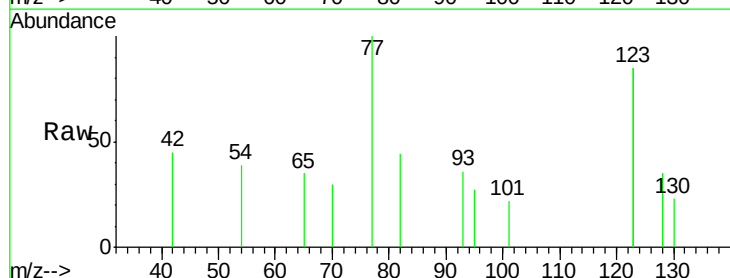
Tgt Ion: 77 Resp: 464

Ion Ratio Lower Upper

77 100

123 152.2 0.0 0.0#

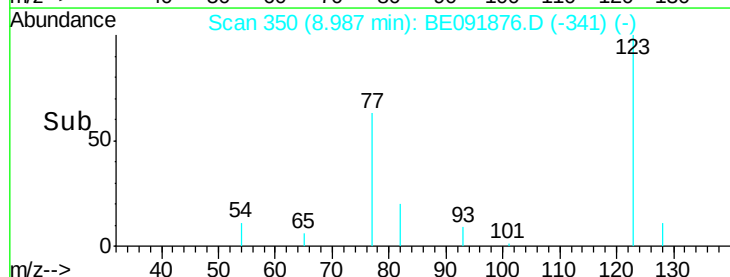
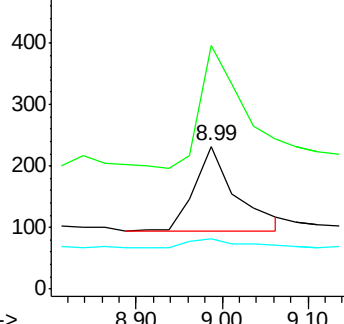
65 11.9 11.1 16.7

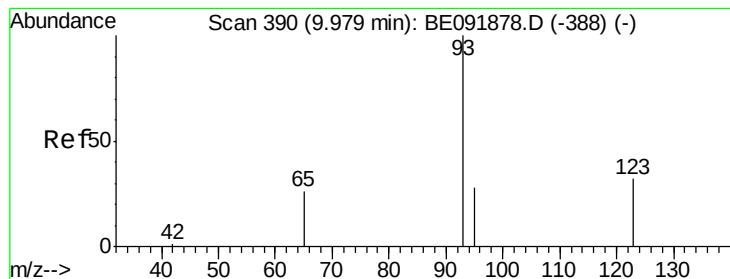


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 0.12 ng

RT: 10.03 min Scan# 392

Delta R.T. 0.05 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

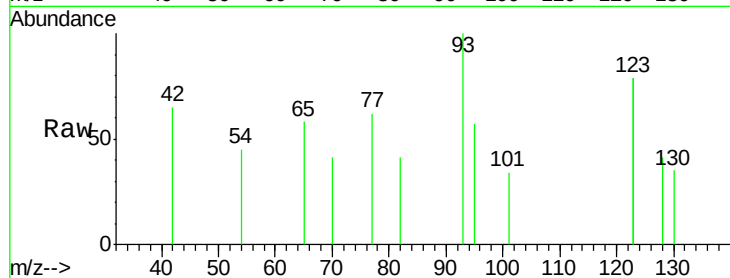
Tot Ion: 93 Resp: 1060

Ion Ratio Lower Upper

93 100

95 57.0 57.6 86.4#

123 0.0 100.2 150.4#

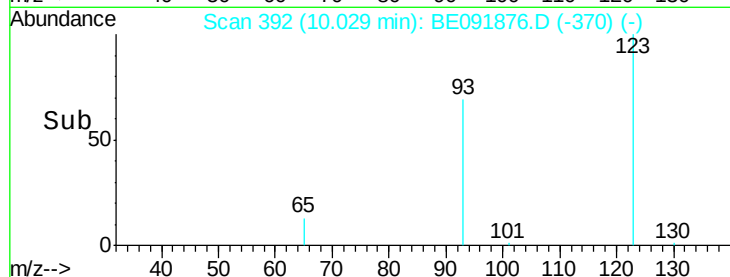


Abundance Ion 93.00 (92.70 to 93.70): BE091876.D (-388) (-)

Ion 95.00 (94.70 to 95.70): BE091876.D (-388) (-)

Ion 123.00 (122.70 to 123.70): BE091876.D (-388) (-)

Time-->

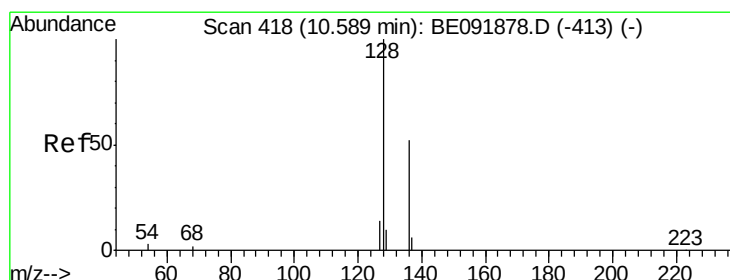


Abundance Ion 93.00 (92.70 to 93.70): BE091876.D (-370) (-)

Ion 95.00 (94.70 to 95.70): BE091876.D (-370) (-)

Ion 123.00 (122.70 to 123.70): BE091876.D (-370) (-)

Time-->



#12

Naphthalene

Concen: 0.10 ng

RT: 10.59 min Scan# 418

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

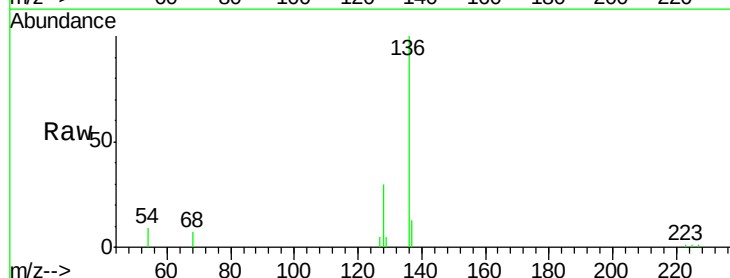
Tgt Ion: 128 Resp: 2190

Ion Ratio Lower Upper

128 100

129 15.4 10.4 15.6

127 17.9 10.2 15.2#

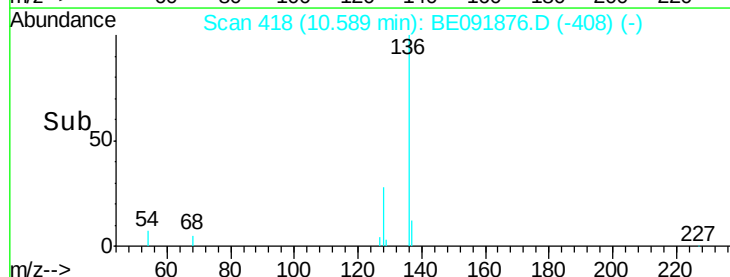


Abundance Ion 128.00 (127.70 to 128.70): BE091876.D (-413) (-)

Ion 129.00 (128.70 to 129.70): BE091876.D (-413) (-)

Ion 127.00 (126.70 to 127.70): BE091876.D (-413) (-)

Time-->

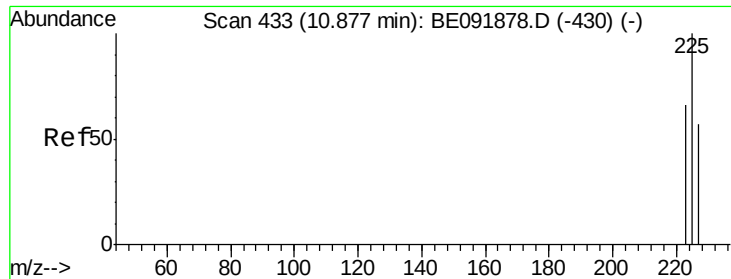


Abundance Ion 128.00 (127.70 to 128.70): BE091876.D (-408) (-)

Ion 129.00 (128.70 to 129.70): BE091876.D (-408) (-)

Ion 127.00 (126.70 to 127.70): BE091876.D (-408) (-)

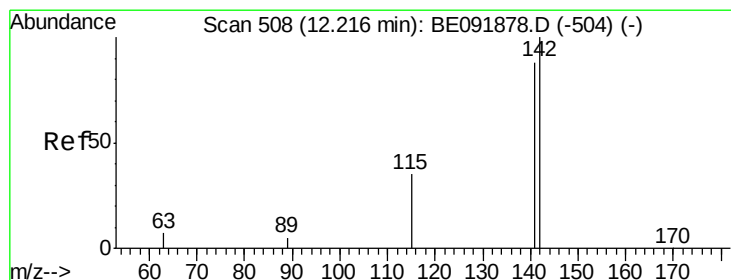
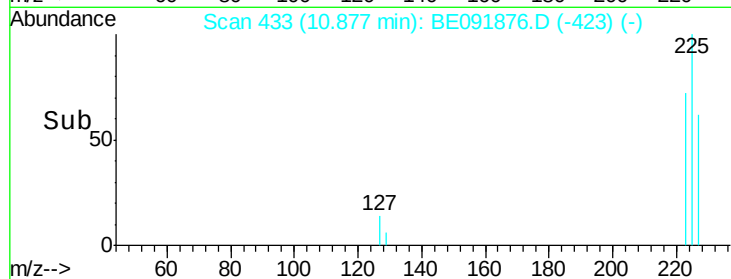
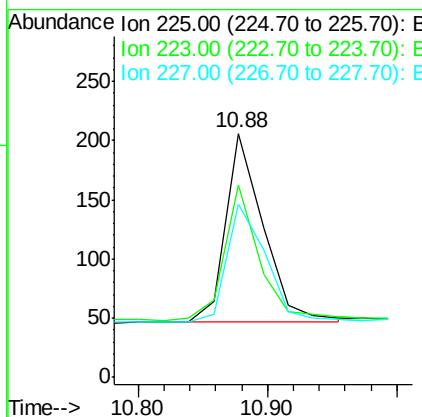
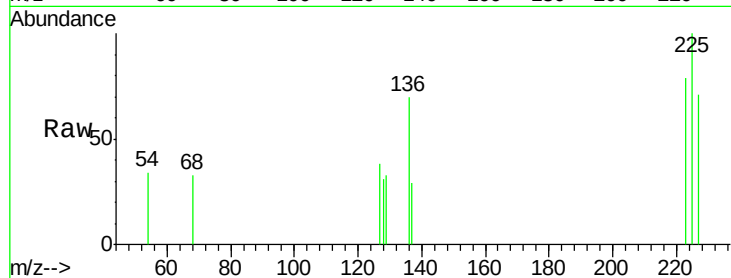
Time-->



#13
Hexachlorobutadiene
Concen: 0.10 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

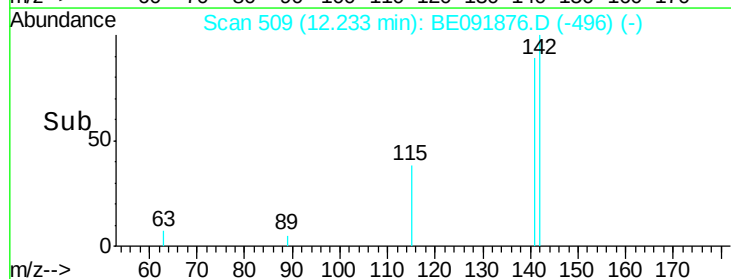
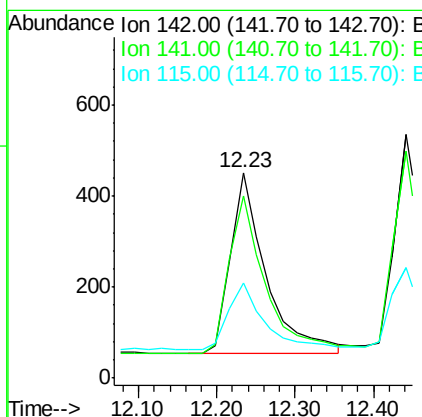
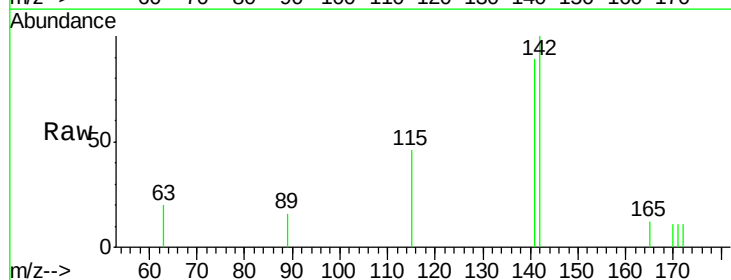
Instrument :
BNA_E
ClientSampled :

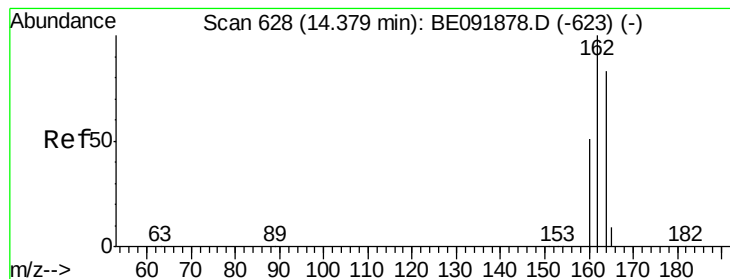
Tot Ion:225 Resp: 319
Ion Ratio Lower Upper
225 100
223 69.0 49.8 74.8
227 65.8 50.6 75.8



#14
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.23 min Scan# 509
Delta R.T. 0.02 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

Tgt Ion:142 Resp: 1258
Ion Ratio Lower Upper
142 100
141 88.7 71.9 107.9
115 46.2 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: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

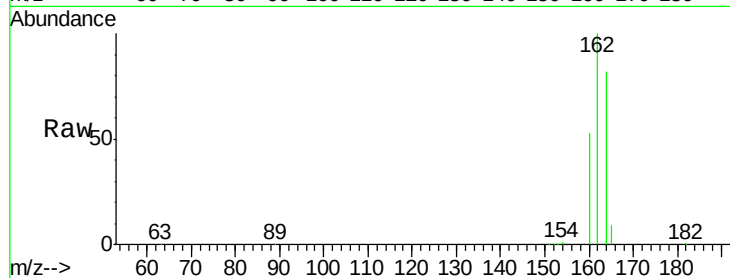
Tot Ion:164 Resp: 53721

Ion Ratio Lower Upper

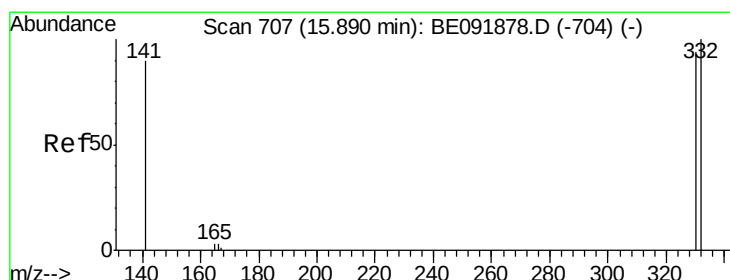
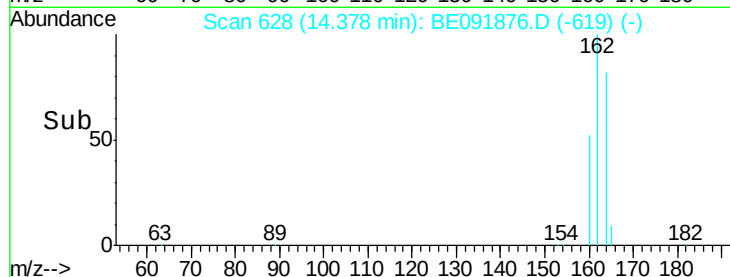
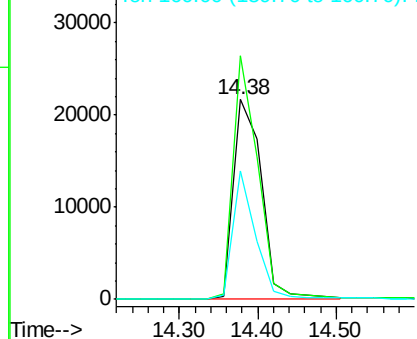
164 100

162 121.9 71.8 107.8#

160 64.0 28.0 42.0#



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#16

2,4,6-Tribromophenol

Concen: 0.06 ng

RT: 15.89 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

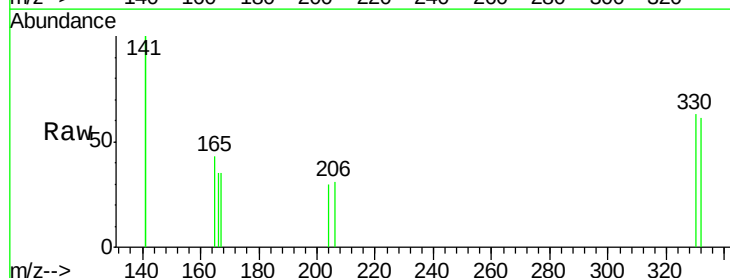
Tgt Ion:330 Resp: 140

Ion Ratio Lower Upper

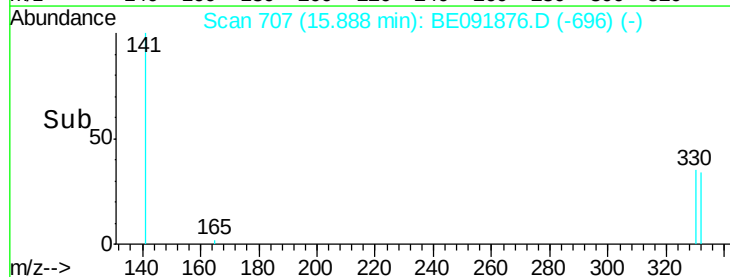
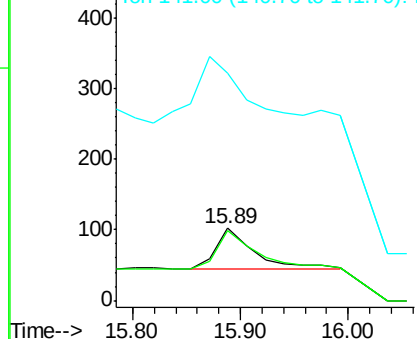
330 100

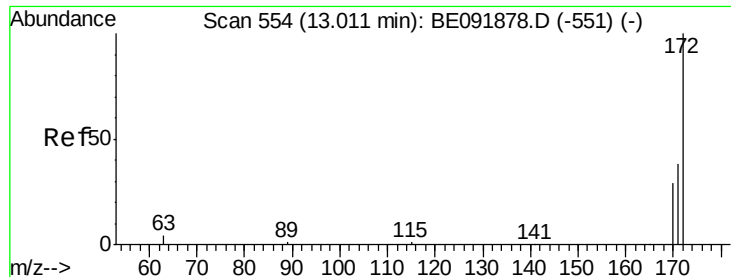
332 103.6 77.0 115.6

141 230.0 138.4 207.6#



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

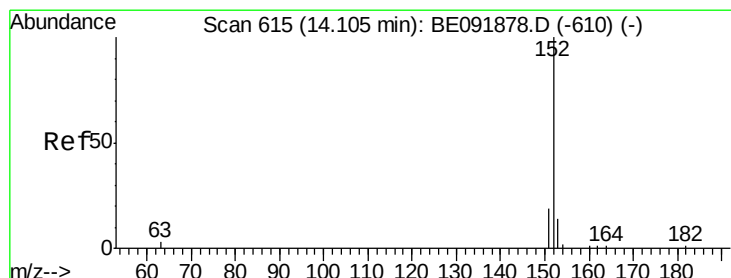
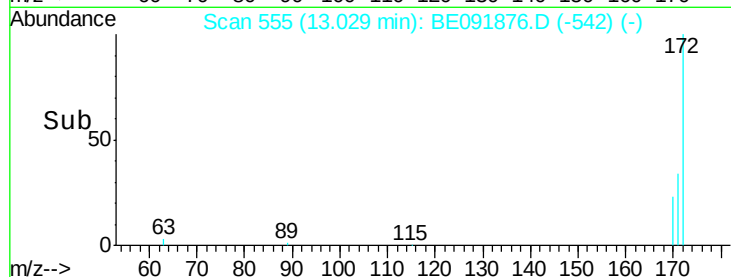
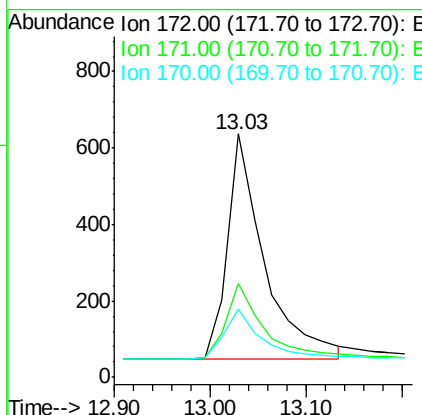
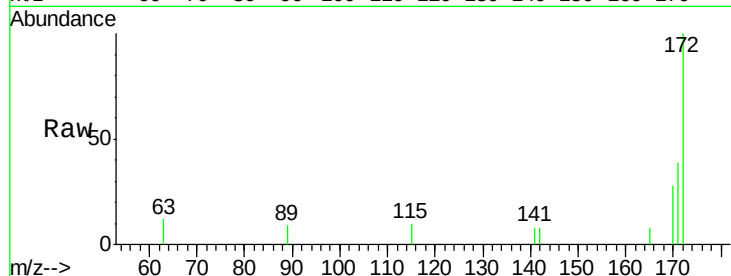




#17
2-Fluorobiphenyl
Concen: 0.10 ng
RT: 13.03 min Scan# 555
Delta R.T. 0.02 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

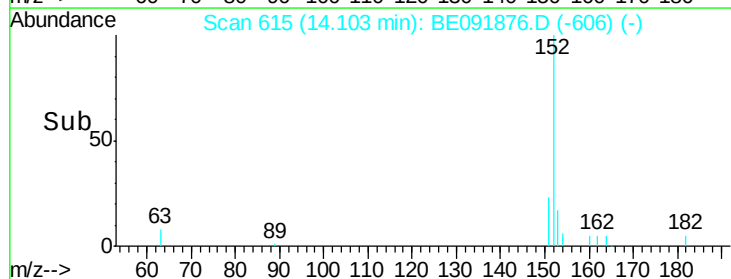
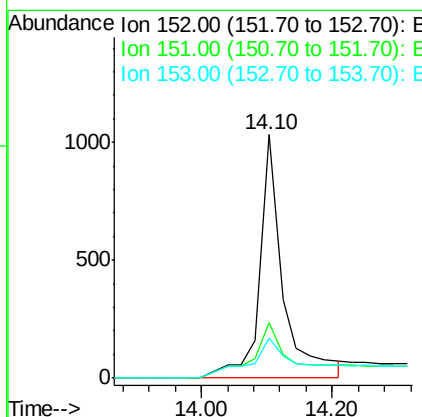
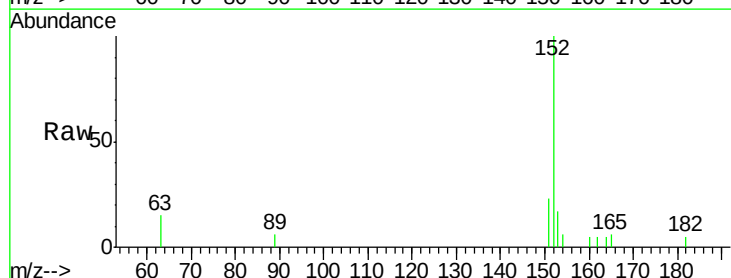
Instrument :
BNA_E
ClientSampleId :

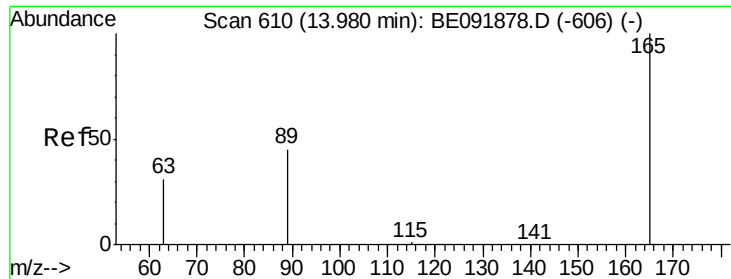
Tot Ion:172 Resp: 1590
Ion Ratio Lower Upper
172 100
171 38.8 24.3 36.5#
170 28.3 14.9 22.3#



#18
Acenaphthylene
Concen: 0.10 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

Tgt Ion:152 Resp: 2755
Ion Ratio Lower Upper
152 100
151 37.1 19.4 29.2#
153 32.8 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 0.05 ng

RT: 13.98 min Scan# 610

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

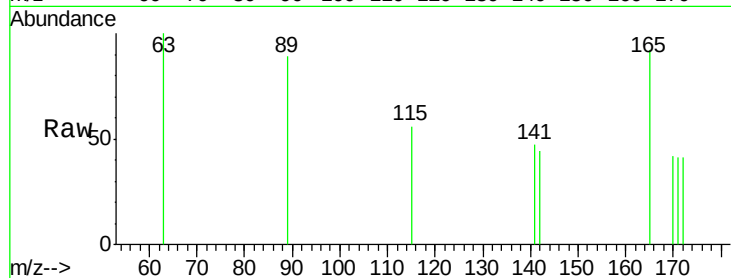
Tot Ion:165 Resp: 173

Ion Ratio Lower Upper

165 100

63 101.2 65.9 98.9#

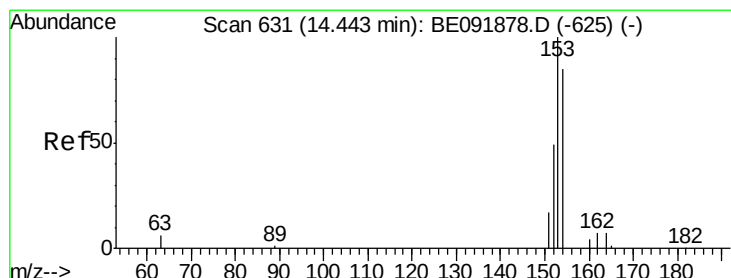
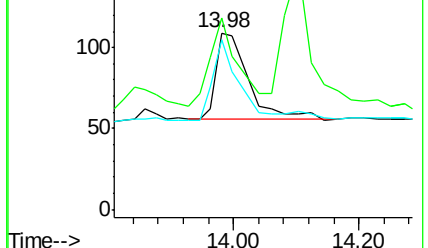
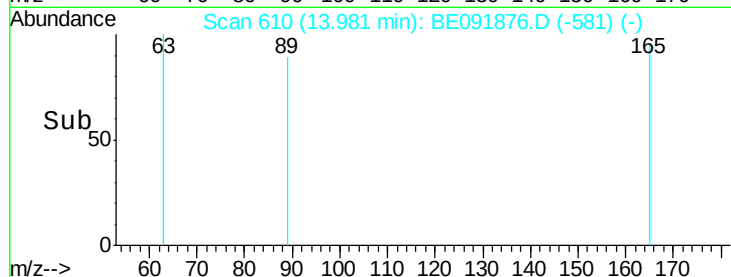
89 83.8 59.1 88.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 0.12 ng

RT: 14.44 min Scan# 631

Delta R.T. -0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

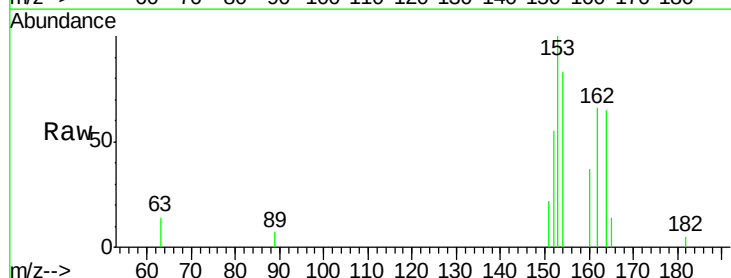
Tgt Ion:154 Resp: 1687

Ion Ratio Lower Upper

154 100

153 101.6 88.1 132.1

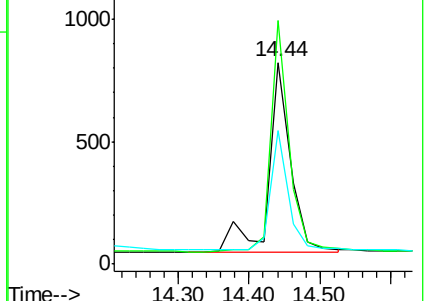
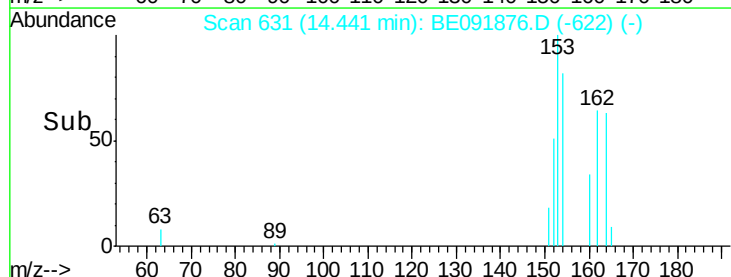
152 51.7 44.2 66.2

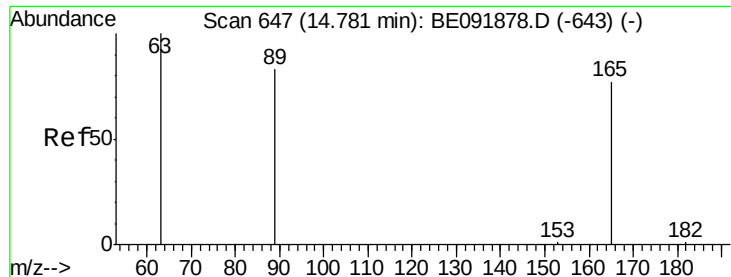


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 0.06 ng

RT: 14.80 min Scan# 648

Delta R.T. 0.02 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 245

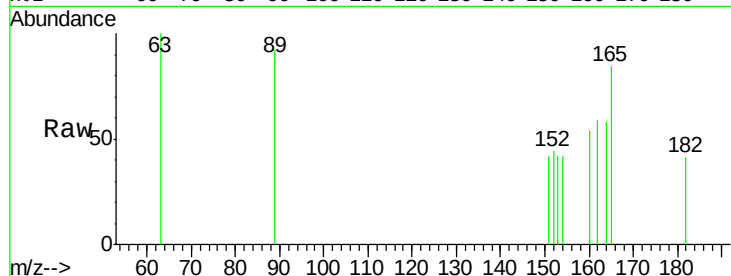
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

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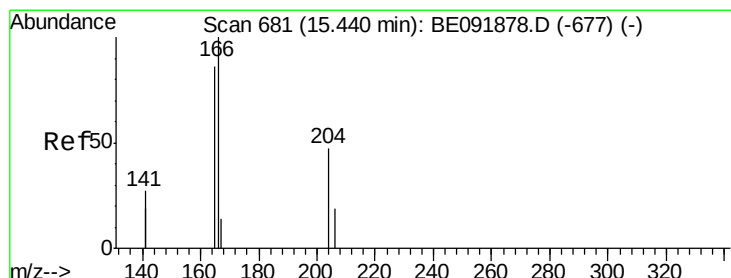
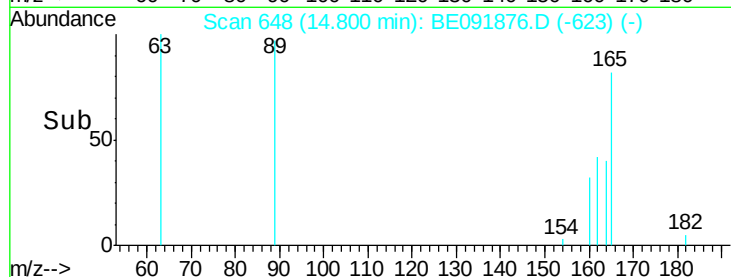
14.80

14.80

14.80

14.80

14.80



#22

Fluorene

Concen: 0.09 ng

RT: 15.44 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

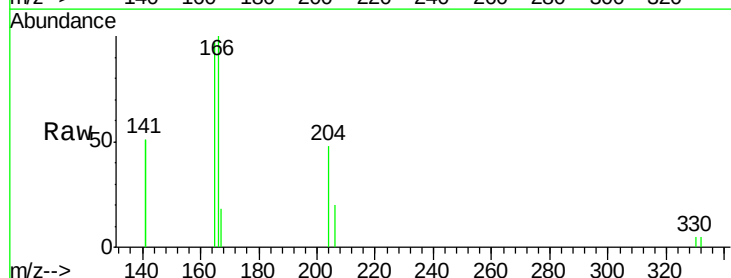
Tgt Ion:166 Resp: 1782

Ion Ratio Lower Upper

166 100

165 97.9 78.6 117.8

167 14.6 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

15.44

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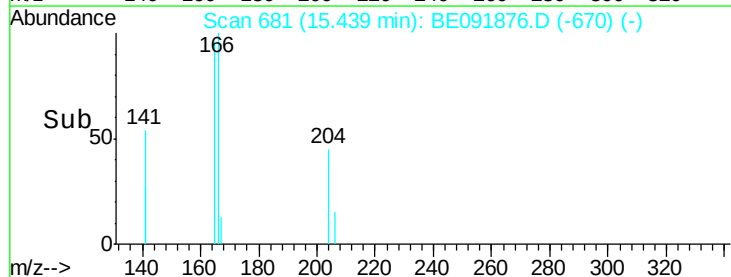
15.44

15.44

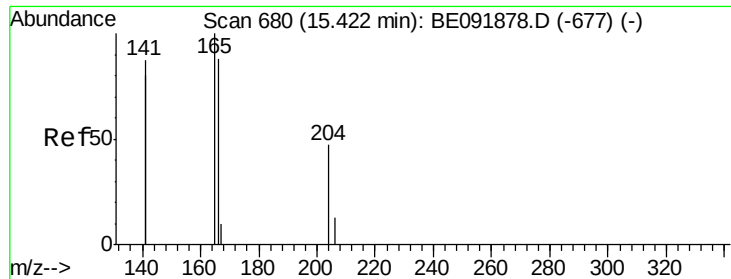
15.44

15.44

15.44



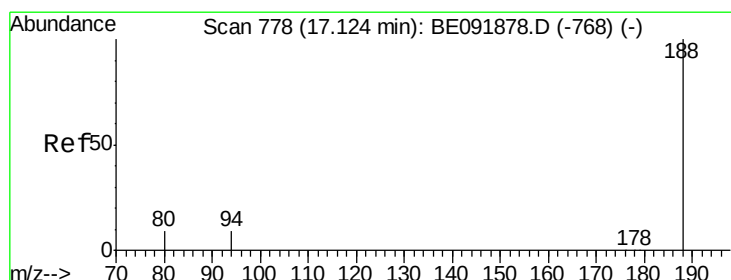
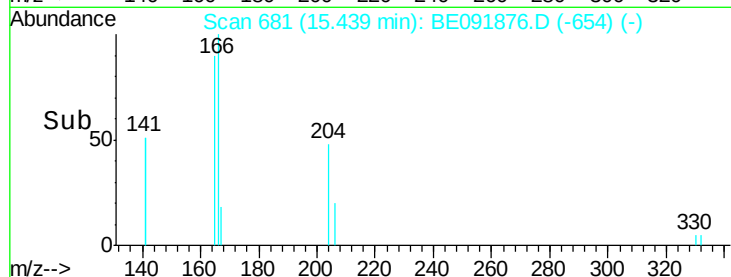
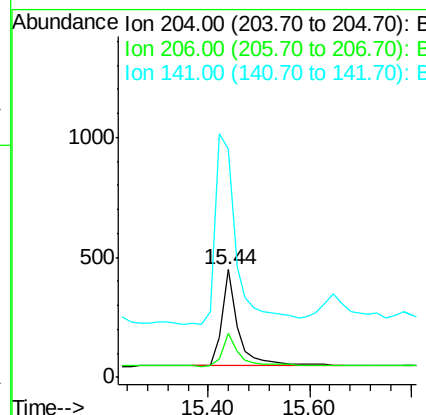
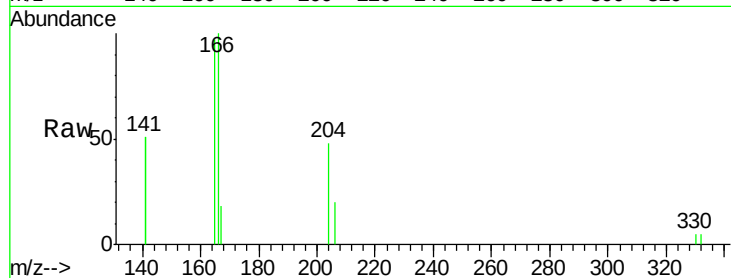
Time-->



#23
4-Chlorophenyl-phenylether
Concen: 0.10 ng
RT: 15.44 min Scan# 681
Delta R.T. 0.02 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

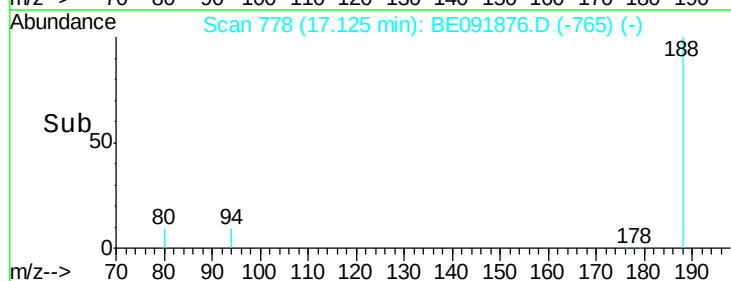
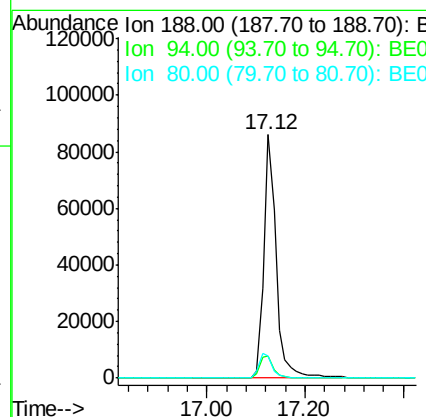
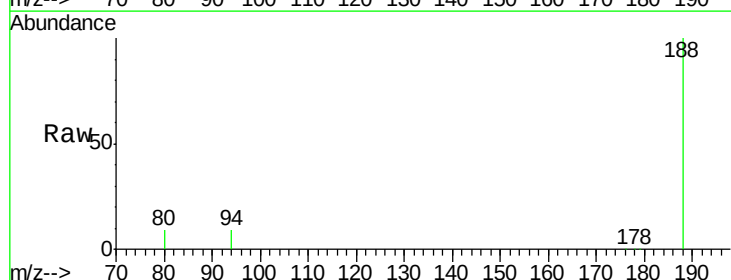
Instrument :
BNA_E
ClientSampled :

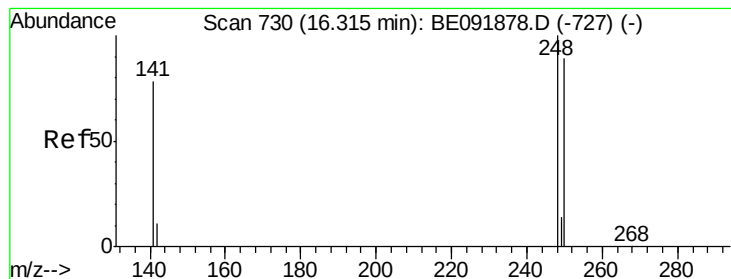
Tot Ion:204 Resp: 905
Ion Ratio Lower Upper
204 100
206 36.4 27.8 41.6
141 251.7 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

Tgt Ion:188 Resp: 171773
Ion Ratio Lower Upper
188 100
94 9.0 4.1 6.1#
80 8.9 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 0.09 ng

RT: 16.31 min Scan# 730

Delta R.T. -0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

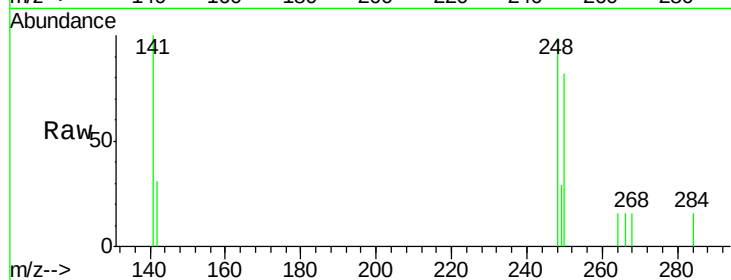
Tot Ion:248 Resp: 530

Ion Ratio Lower Upper

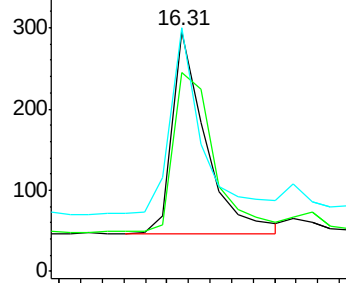
248 100

250 98.7 75.7 113.5

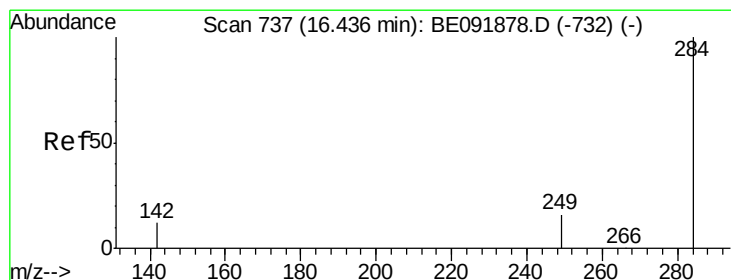
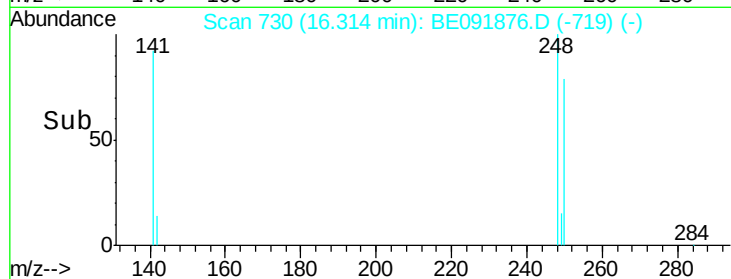
141 90.4 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



Time--> 16.20 16.30 16.40



#26

Hexachlorobenzene

Concen: 0.10 ng

RT: 16.43 min Scan# 737

Delta R.T. -0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

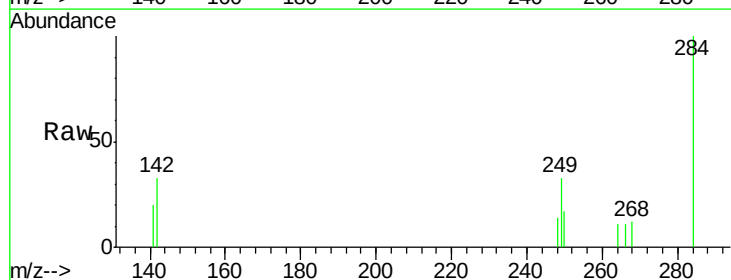
Tgt Ion:284 Resp: 602

Ion Ratio Lower Upper

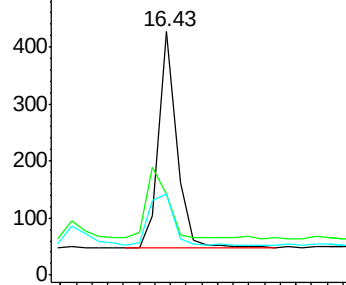
284 100

142 37.9 31.4 47.2

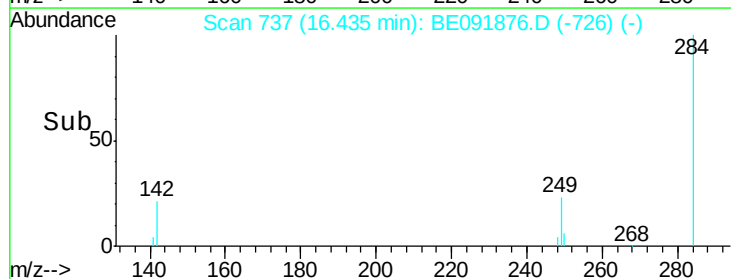
249 33.6 25.3 37.9

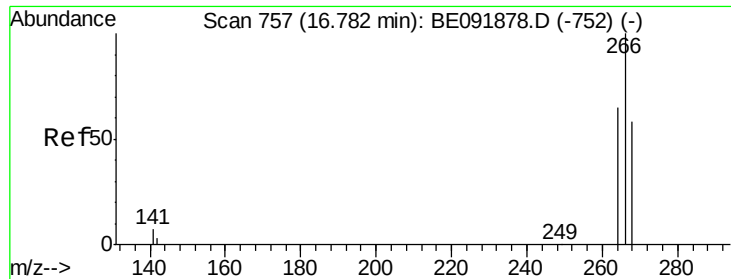


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time--> 16.30 16.40 16.50 16.60

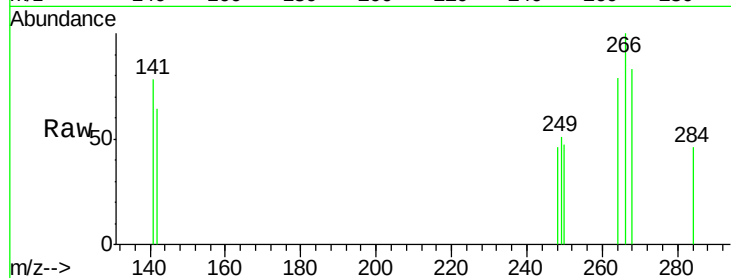




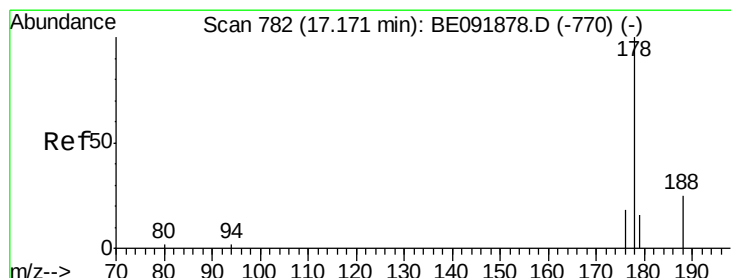
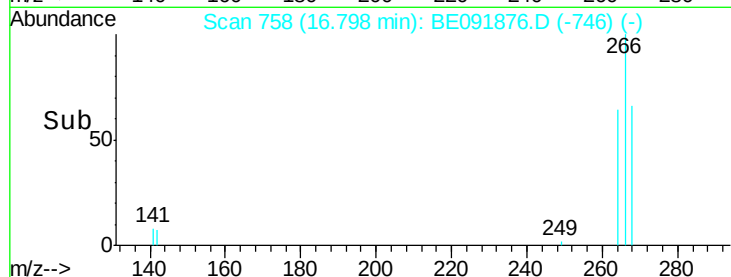
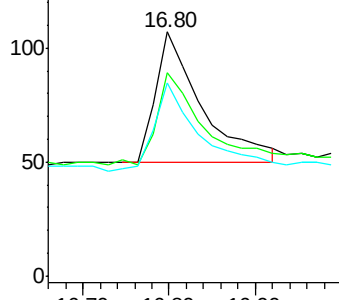
#27
 Pentachlorophenol
 Concen: 0.09 ng
 RT: 16.80 min Scan# 758
 Delta R.T. 0.02 min
 Lab File: BE091876.D
 Acq: 7 Jun 2016 10:14

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:266 Resp: 210
 Ion Ratio Lower Upper
 266 100
 268 83.2 60.5 90.7
 264 79.4 51.0 76.4#

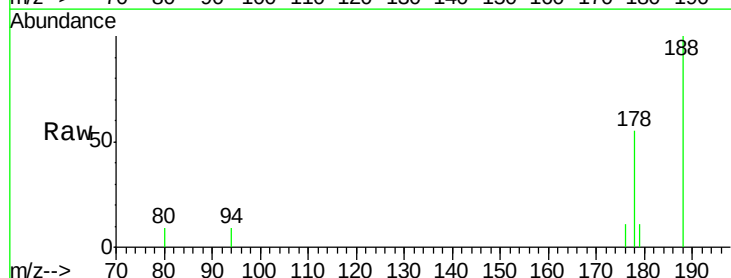


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

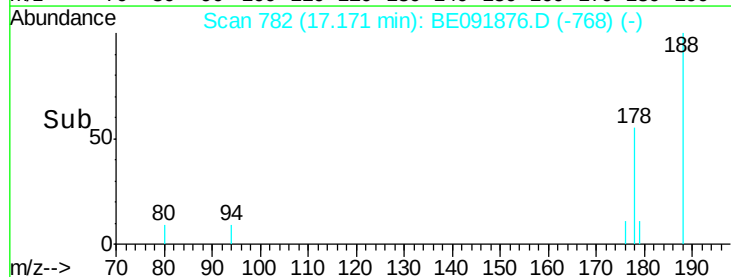
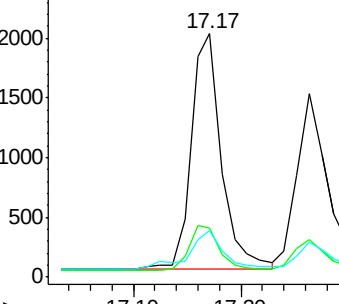


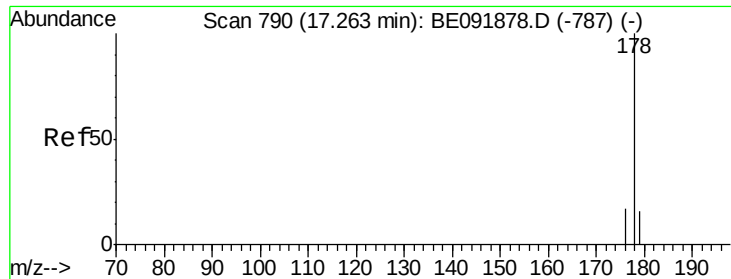
#28
 Phenanthrene
 Concen: 0.10 ng
 RT: 17.17 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: BE091876.D
 Acq: 7 Jun 2016 10:14

Tgt Ion:178 Resp: 3857
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 18.6 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: 0.09 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

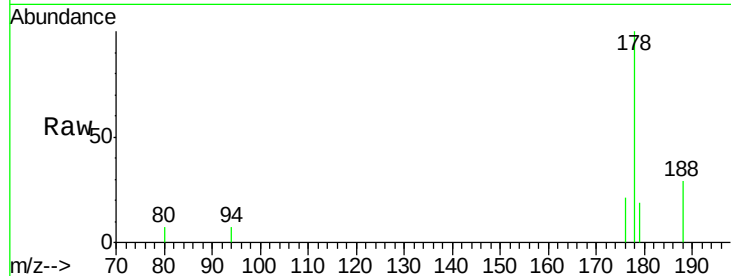
Tot Ion:178 Resp: 3033

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

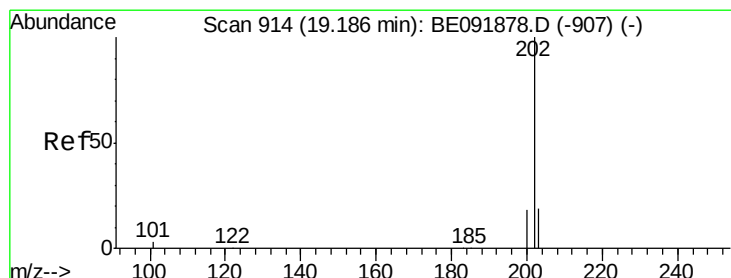
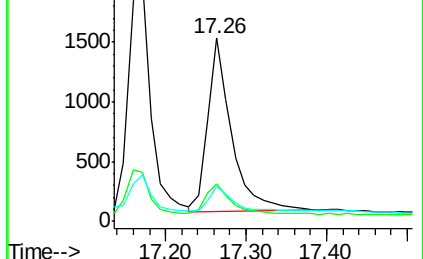
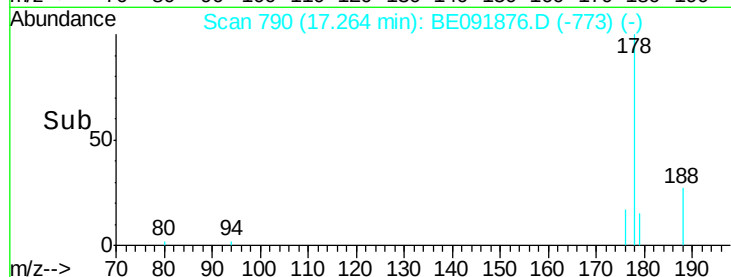
179 14.5 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.09 ng

RT: 19.19 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

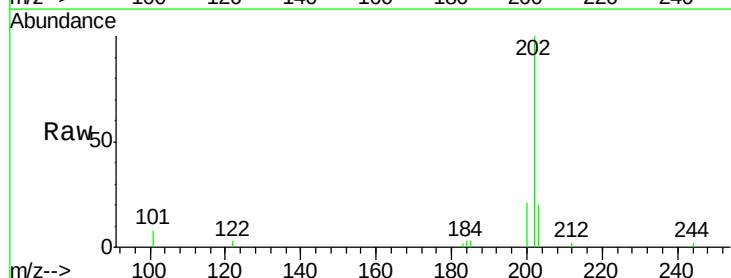
Tgt Ion:202 Resp: 4127

Ion Ratio Lower Upper

202 100

101 11.2 9.4 14.0

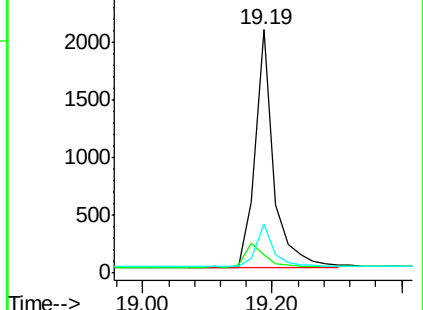
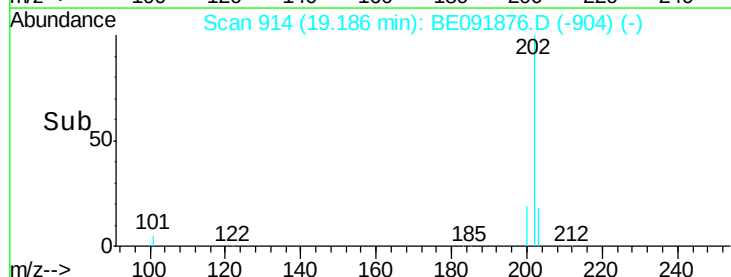
203 17.6 14.3 21.5

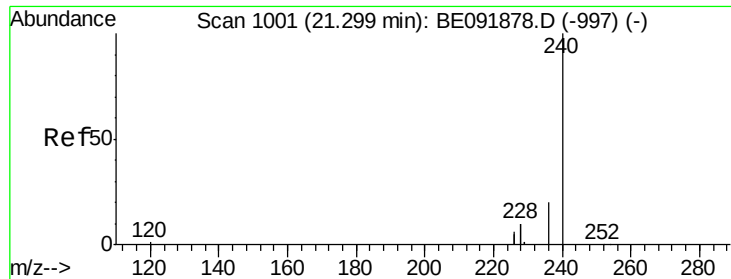


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

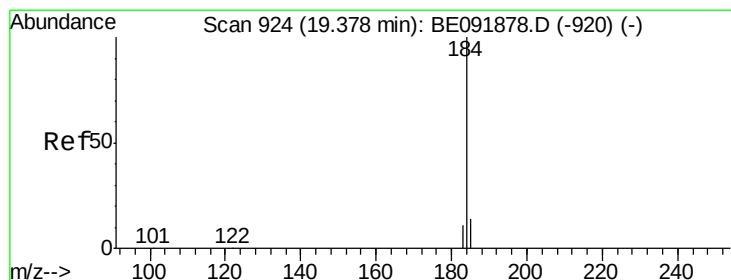
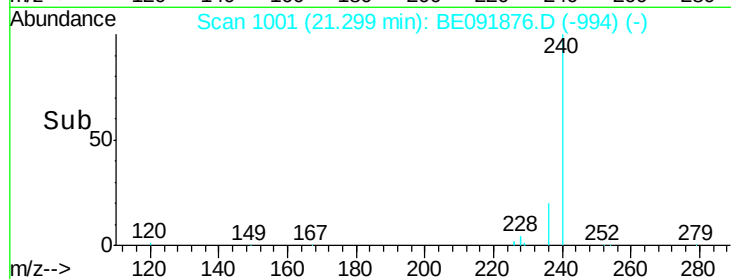
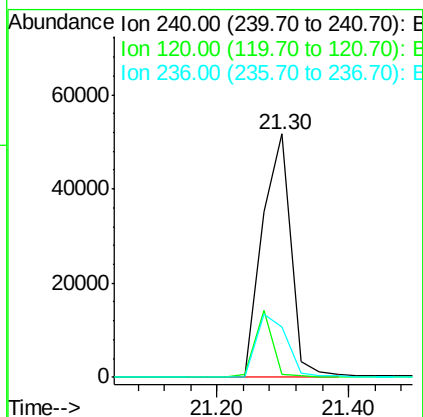
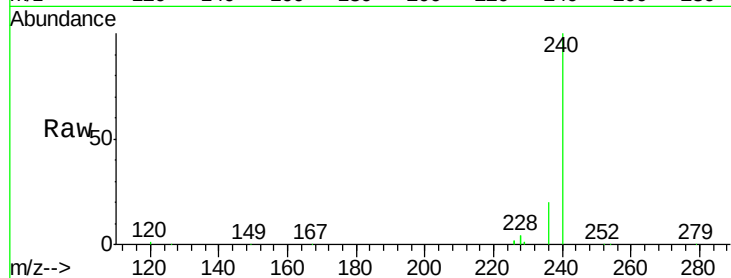




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.30 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

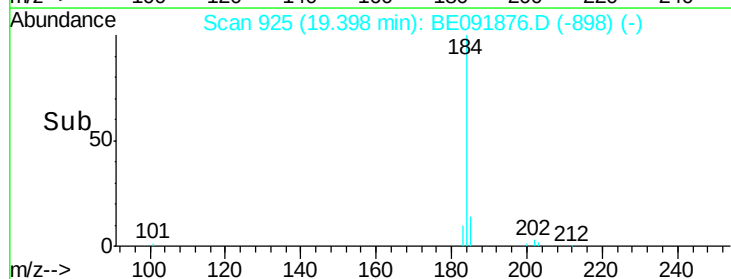
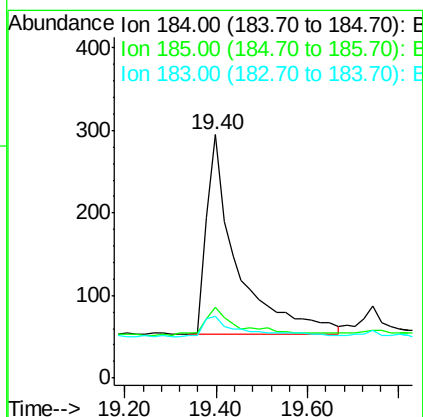
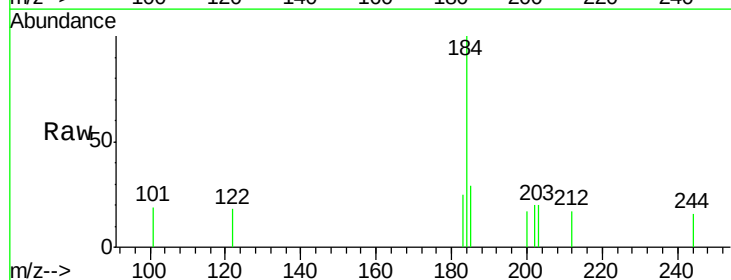
Instrument :
BNA_E
ClientSampleId :

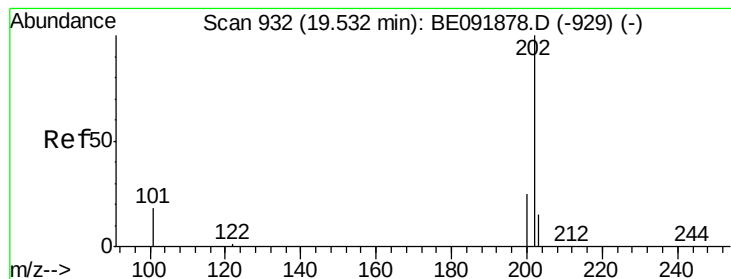
Tot Ion:240 Resp: 156550
Ion Ratio Lower Upper
240 100
120 1.2 1.2 1.8#
236 20.4 19.8 29.8



#32
Benzidine
Concen: 0.09 ng
RT: 19.40 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

Tgt Ion:184 Resp: 1103
Ion Ratio Lower Upper
184 100
185 28.8 11.4 17.2#
183 25.4 11.8 17.6#





#33

Pvrene

Concen: 0.13 ng

RT: 19.55 min Scan# 933

Delta R.T. 0.02 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampled :

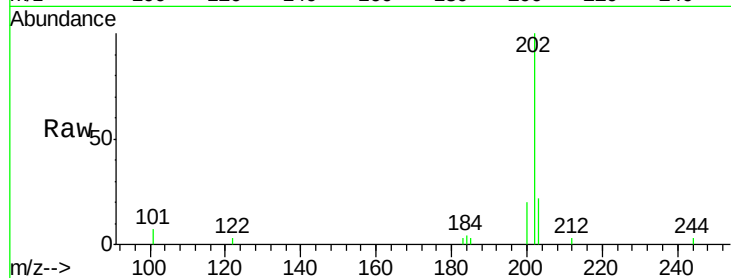
Tot Ion:202 Resp: 4170

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

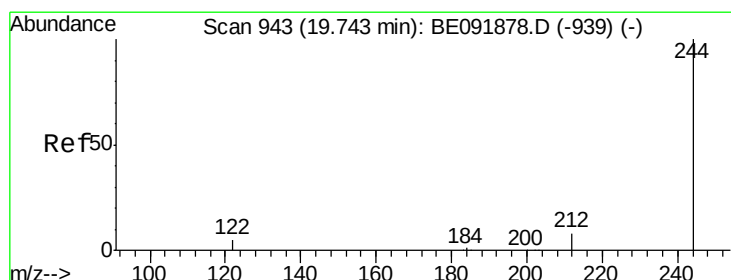
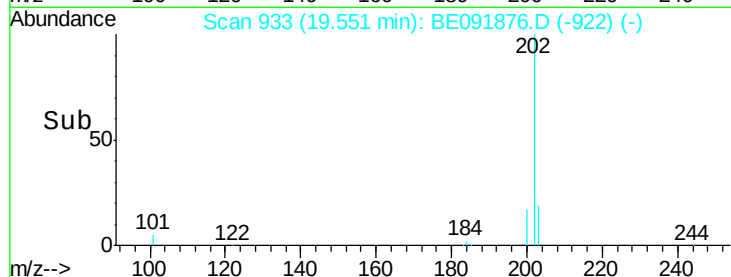
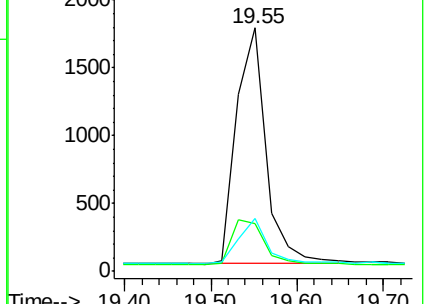
203 18.4 14.1 21.1



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: 0.13 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

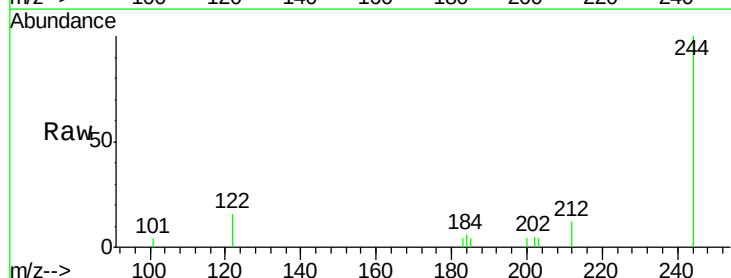
Tgt Ion:244 Resp: 3108

Ion Ratio Lower Upper

244 100

212 11.9 6.5 9.7#

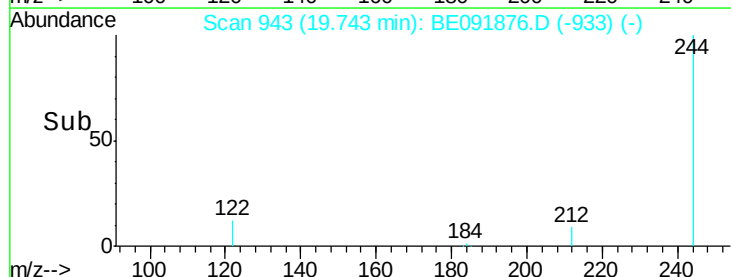
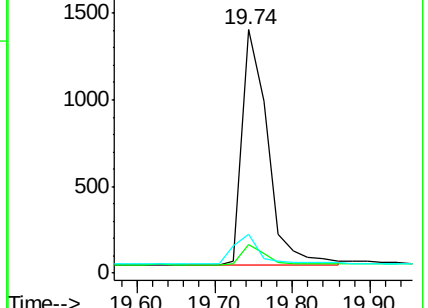
122 15.8 2.9 4.3#

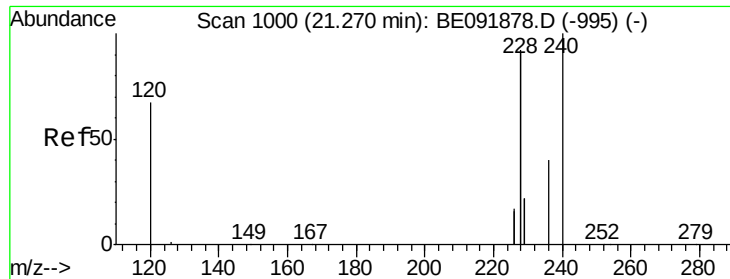


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

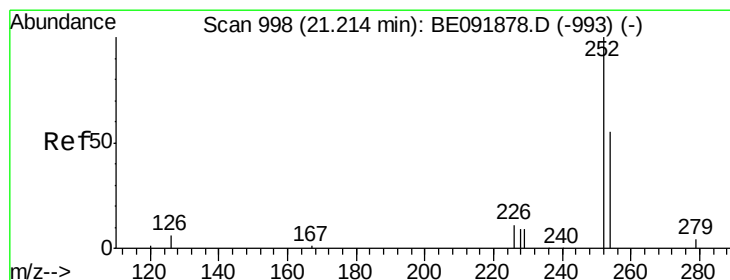
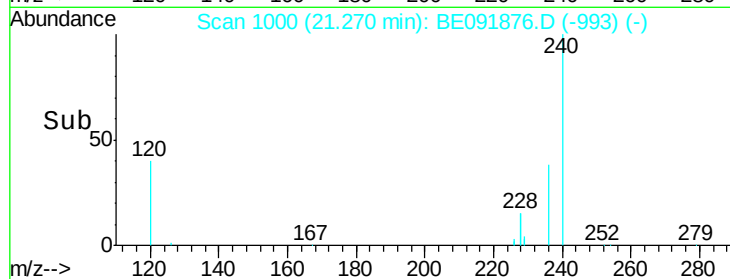
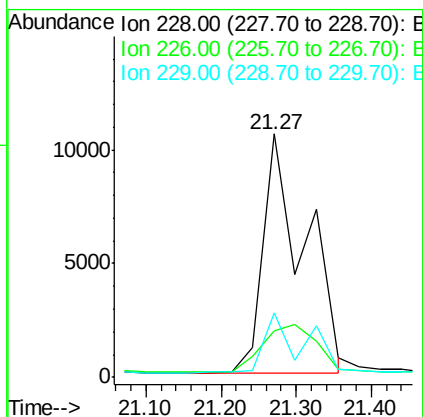
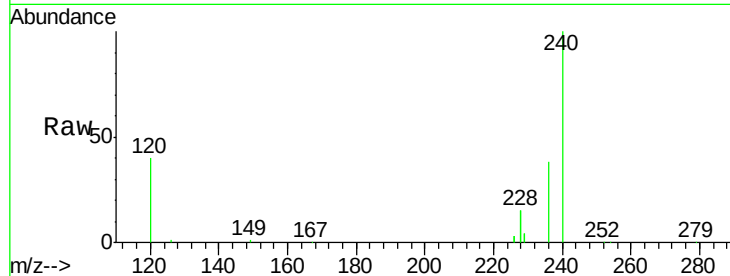




#35
Benzo(a)anthracene
Concen: 0.97 ng
RT: 21.27 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

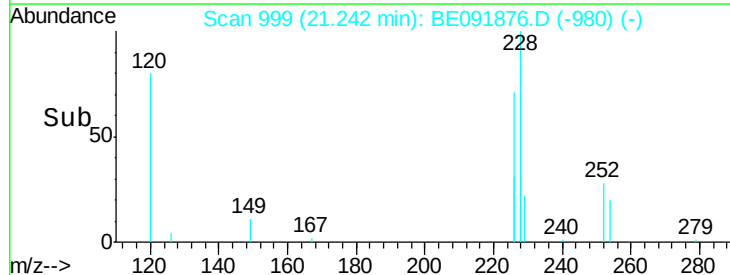
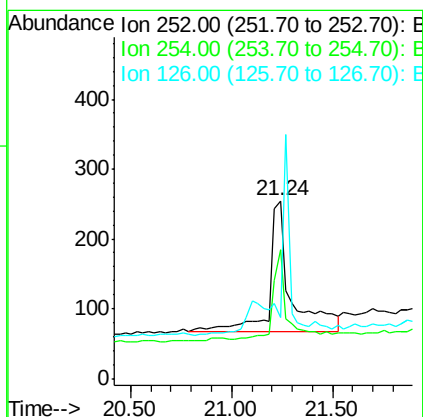
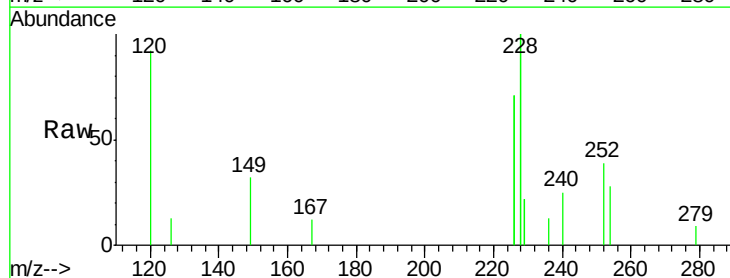
Instrument :
BNA_E
ClientSampled :

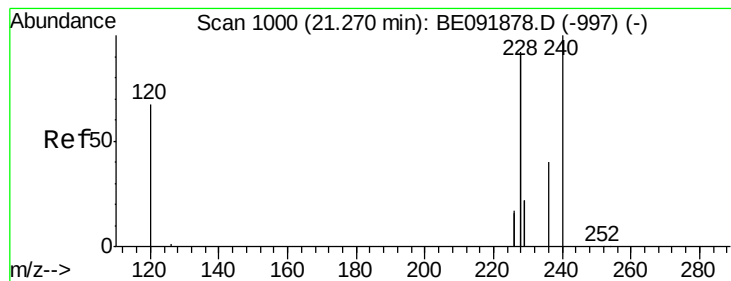
Tot Ion:228 Resp: 40422
Ion Ratio Lower Upper
228 100
226 18.9 21.0 31.4#
229 26.5 15.8 23.8#



#36
3,3'-Dichlorobenzidine
Concen: 0.06 ng
RT: 21.24 min Scan# 999
Delta R.T. 0.03 min
Lab File: BE091876.D
Acq: 7 Jun 2016 10:14

Tgt Ion:252 Resp: 1336
Ion Ratio Lower Upper
252 100
254 72.5 61.5 92.3
126 34.1 2.5 3.7#





#37

Chrysene

Concen: 1.07 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

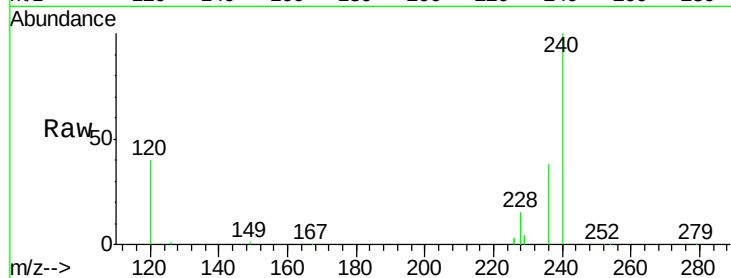
Tot Ion:228 Resp: 41123

Ion Ratio Lower Upper

228 100

226 18.9 27.0 40.6#

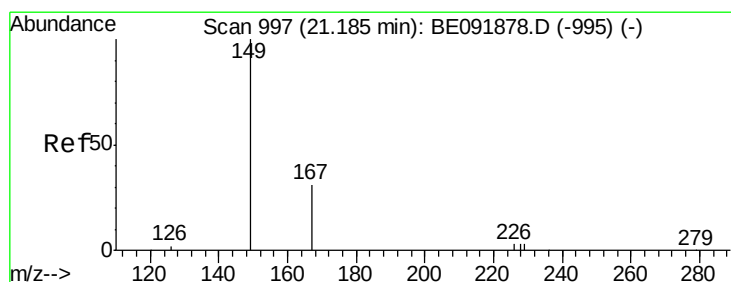
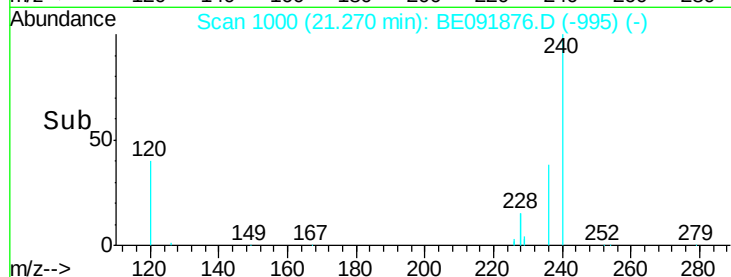
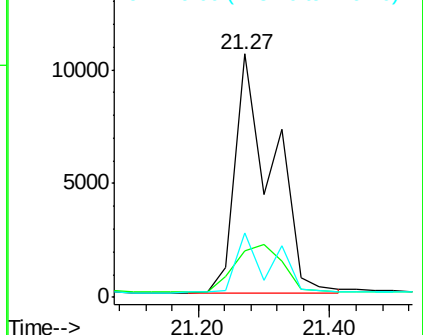
229 26.5 13.8 20.8#



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: 0.15 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

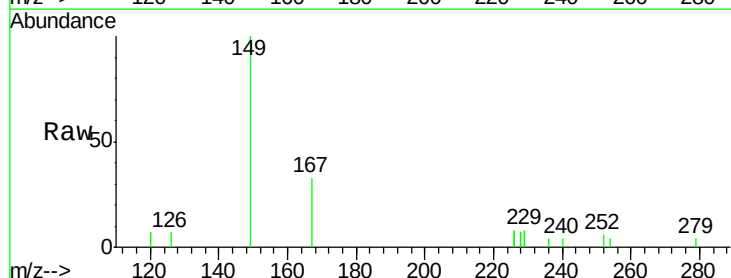
Tgt Ion:149 Resp: 2210

Ion Ratio Lower Upper

149 100

167 33.6 0.0 0.0#

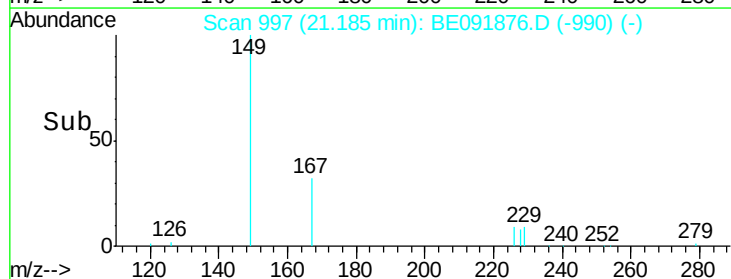
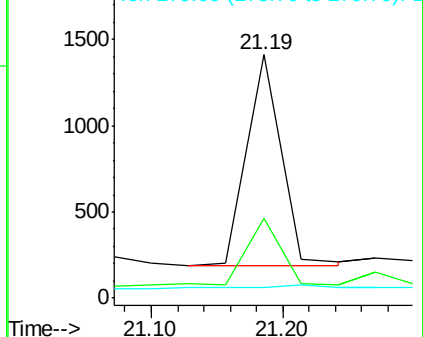
279 0.0 0.0 0.0

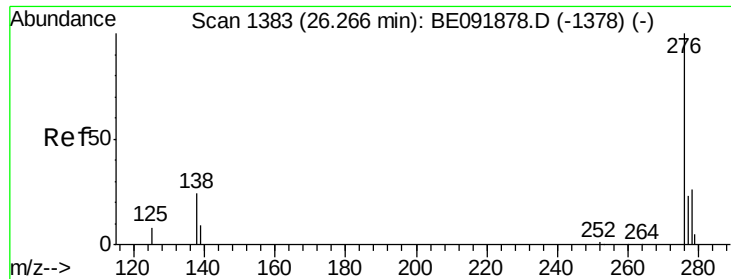


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.13 ng

RT: 26.29 min Scan# 1384

Delta R.T. 0.02 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

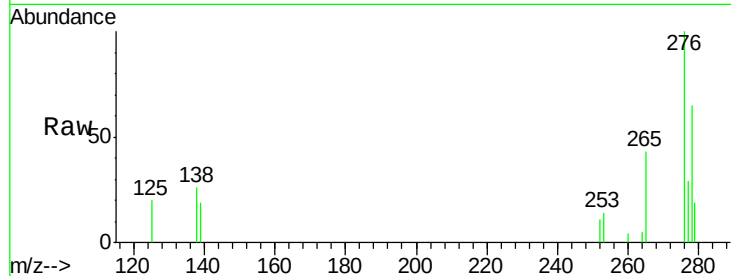
Tot Ion:276 Resp: 5067

Ion Ratio Lower Upper

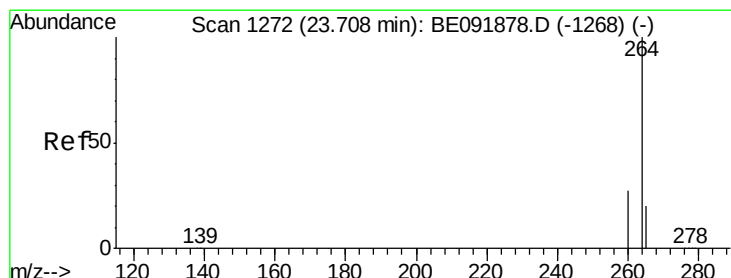
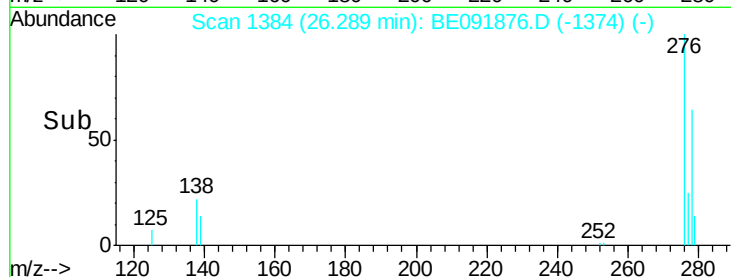
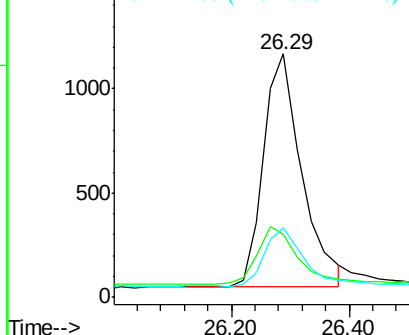
276 100

138 0.0 19.7 29.5#

277 25.1 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: 23.71 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

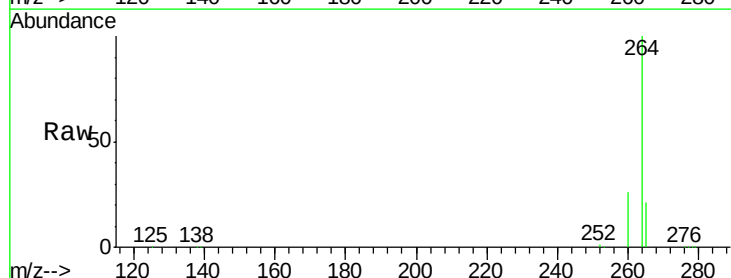
Tgt Ion:264 Resp: 213383

Ion Ratio Lower Upper

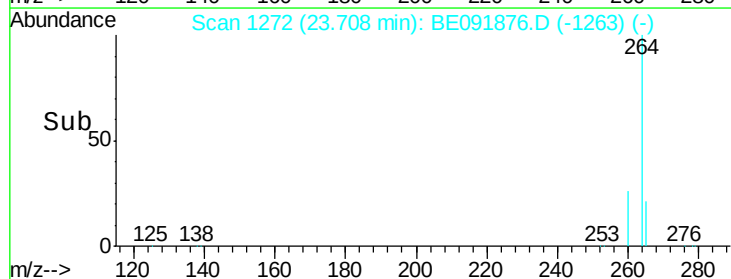
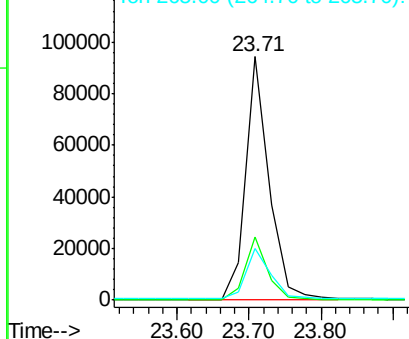
264 100

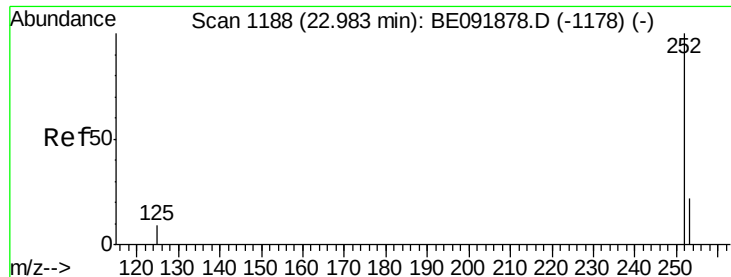
260 25.8 20.3 30.5

265 21.3 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: 0.09 ng

RT: 22.98 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

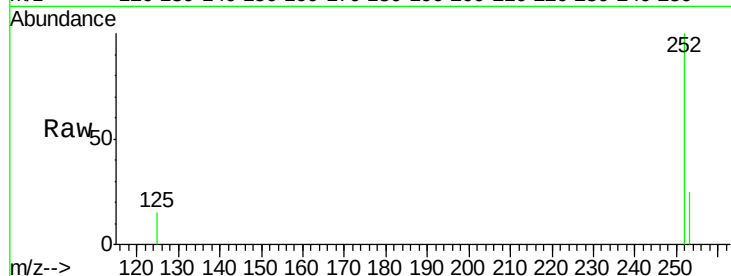
Tot Ion:252 Resp: 5396

Ion Ratio Lower Upper

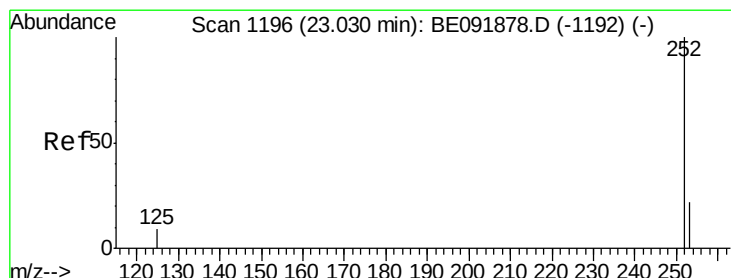
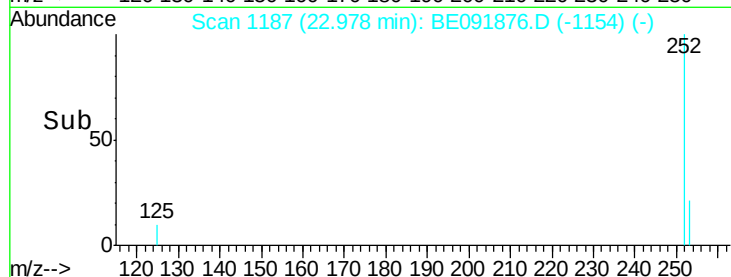
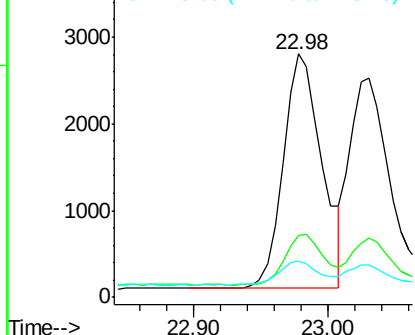
252 100

253 25.5 17.8 26.6

125 14.7 9.4 14.2#



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



#42

Benzo(k)fluoranthene

Concen: 0.10 ng

RT: 23.03 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

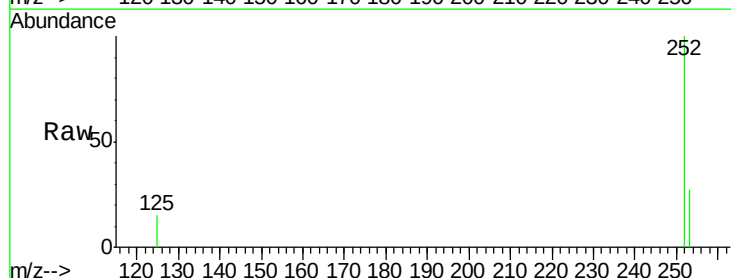
Tgt Ion:252 Resp: 5380

Ion Ratio Lower Upper

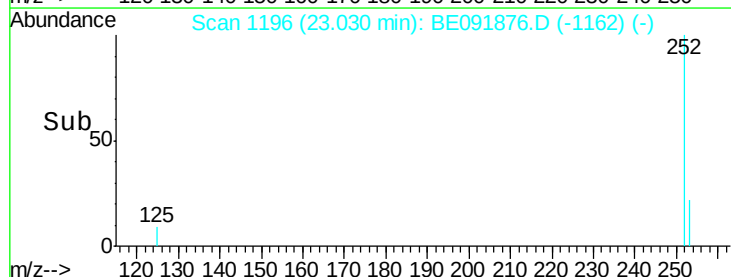
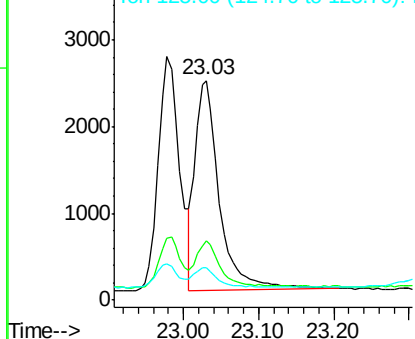
252 100

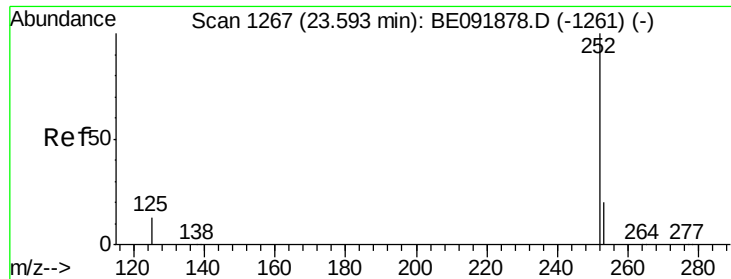
253 27.0 19.4 29.2

125 14.8 8.3 12.5#



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





#43

Benzo(a)pyrene

Concen: 0.09 ng

RT: 23.59 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :

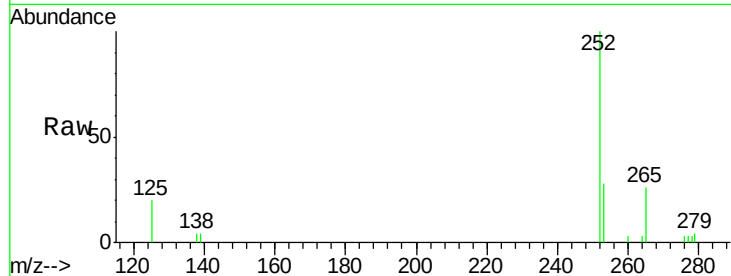
Tot Ion:252 Resp: 4794

Ion Ratio Lower Upper

252 100

253 28.4 18.9 28.3#

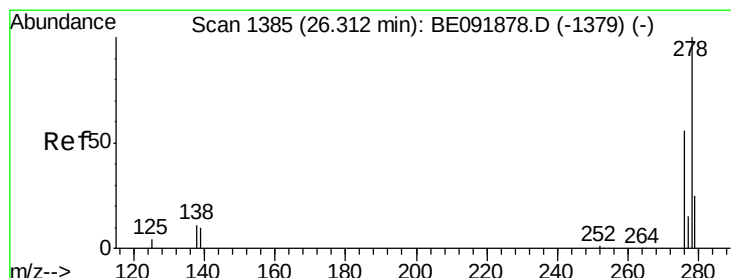
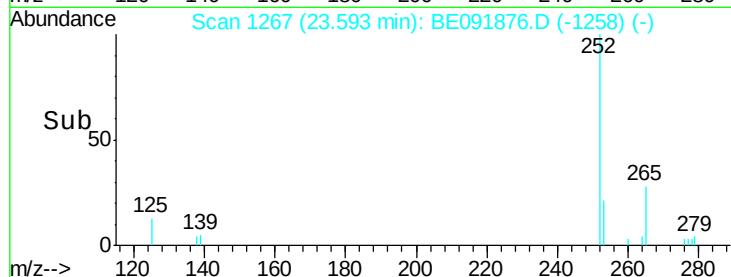
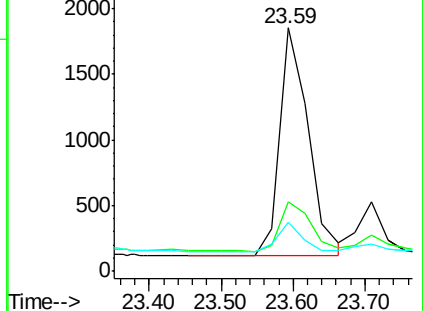
125 20.3 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 26.31 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

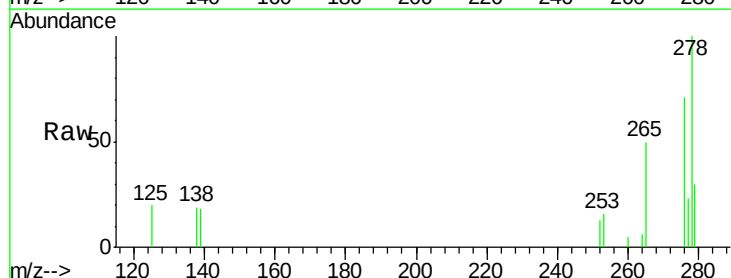
Tgt Ion:278 Resp: 4162

Ion Ratio Lower Upper

278 100

139 18.3 12.6 18.8

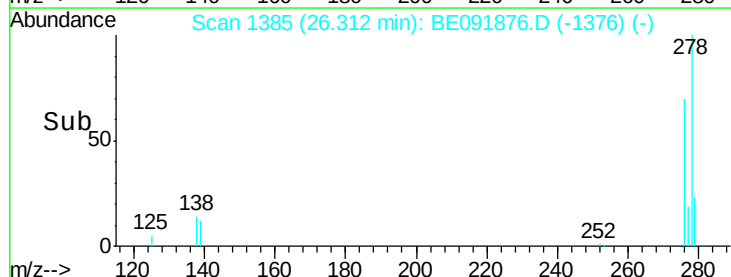
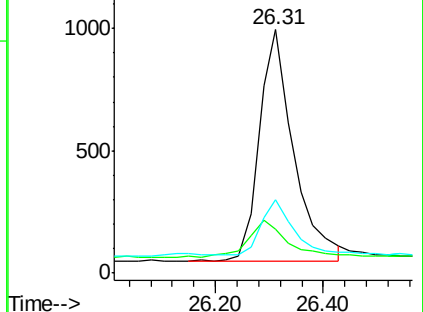
279 29.9 20.0 30.0

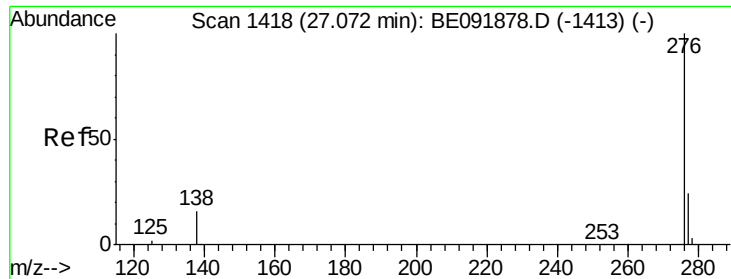


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 0.09 ng

RT: 27.07 min Scan# 1418

Delta R.T. 0.00 min

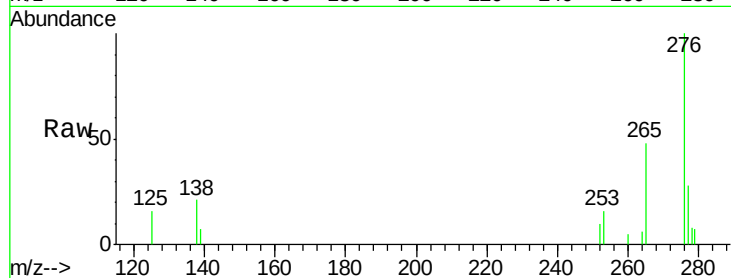
Lab File: BE091876.D

Acq: 7 Jun 2016 10:14

Instrument :

BNA_E

ClientSampleId :



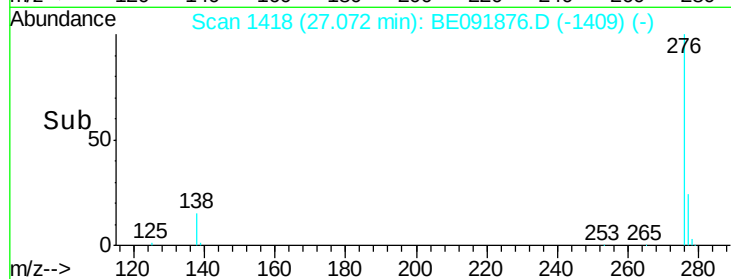
Tot Ion: 276 Resp: 4693

Ion Ratio Lower Upper

276 100

277 28.1 19.5 29.3

138 20.6 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

