

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091882.D
 Acq On : 7 Jun 2016 14:07
 Operator : UM/SJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 07 15:13:48 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	23118	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	114327	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	70435	5.00	ng	0.00
24) Phenanthrene-d10	17.14	188	179255	5.00	ng	0.01
31) Chrysene-d12	21.30	240	280027	5.00	ng	0.00
40) Perylene-d12	23.73	264	230107	5.00	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	25658	3.88	ng	-0.02
5) Phenol-d6	6.94	99	36661	4.23	ng	-0.02
9) Nitrobenzene-d5	8.91	82	43087	4.64	ng	-0.03
16) 2,4,6-Tribromophenol	15.87	330	12435	3.96	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	99095	4.73	ng	0.00
34) Terphenyl-d14	19.74	244	161110	3.81	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	15560	4.56	ng	97
3) n-Nitrosodimethylamine	3.59	42	20966	4.94	ng	87
6) bis(2-Chloroethyl)ether	7.20	93	34490	4.75	ng	99
7) n-Nitroso-di-n-propylamine	8.54	70	28281	4.21	ng	# 92
10) Nitrobenzene	8.96	77	39619	4.40	ng	# 66
11) bis(2-Chloroethoxy)methane	9.95	93	58395	5.39	ng	# 38
12) Naphthalene	10.59	128	115173	4.66	ng	97
13) Hexachlorobutadiene	10.88	225	16810	4.42	ng	99
14) 2-Methylnaphthalene	12.20	142	78747	4.77	ng	92
18) Acenaphthylene	14.10	152	149700	4.32	ng	# 90
19) 2,6-Dinitrotoluene	13.96	165	24911	5.19	ng	97
20) Acenaphthene	14.44	154	87654	4.65	ng	99
21) 2,4-Dinitrotoluene	14.76	165	28248	5.10	ng	# 1
22) Fluorene	15.42	166	114208	4.62	ng	98
23) 4-Chlorophenyl-phenylether	15.42	204	53189	4.28	ng	98
25) 4-Bromophenyl-phenylether	16.32	248	33655	5.26	ng	98
26) Hexachlorobenzene	16.44	284	33110	5.42	ng	100
27) Pentachlorophenol	16.78	266	16013	6.80	ng	90
28) Phenanthrene	17.17	178	204577	5.24	ng	99
29) Anthracene	17.26	178	198870	5.55	ng	100
30) Fluoranthene	19.19	202	238991	5.24	ng	100
32) Benzidine	19.38	184	93735	4.18	ng	# 90
33) Pyrene	19.55	202	247805	4.17	ng	99
35) Benzo(a)anthracene	21.27	228	2844445	38.11	ng	98
36) 3,3'-Dichlorobenzidine	21.21	252	80290	1.96	ng	# 74
37) Chrysene	21.27	228	2860552	41.78	ng	# 89
38) Bis(2-ethylhexyl)phthalate	21.18	149	199479	7.36	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	295274	4.22	ng	# 74
41) Benzo(b)fluoranthene	22.99	252	279168	4.50	ng	97
42) Benzo(k)fluoranthene	23.04	252	277418	4.92	ng	96
43) Benzo(a)pyrene	23.62	252	257850	4.58	ng	95
44) Dibenzo(a,h)anthracene	26.31	278	252122	4.68	ng	94
45) Benzo(a,h,i)perylene	27.09	276	250194	4.57	ng	# 94

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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jun 07 15:13:48 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

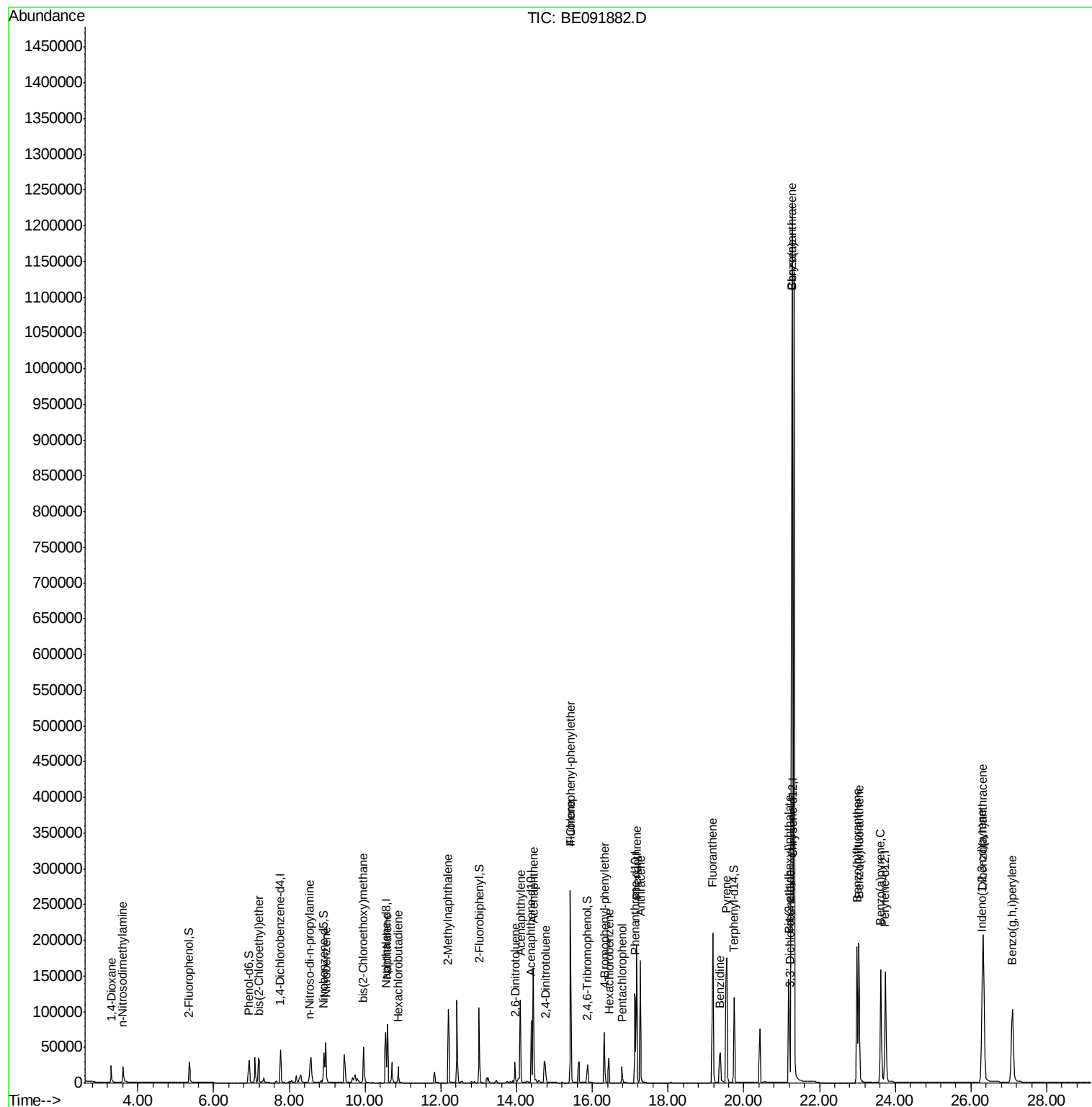
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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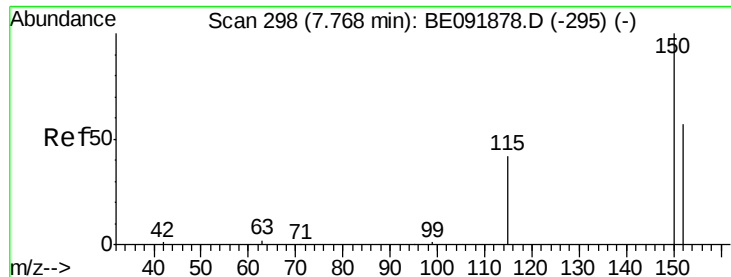
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Jun 07 15:13:48 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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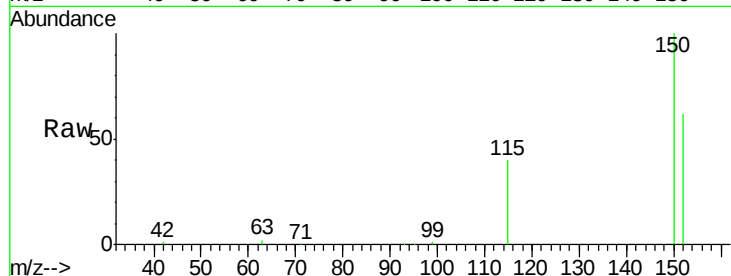


#1

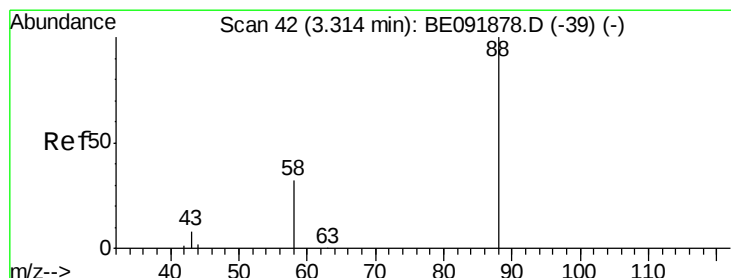
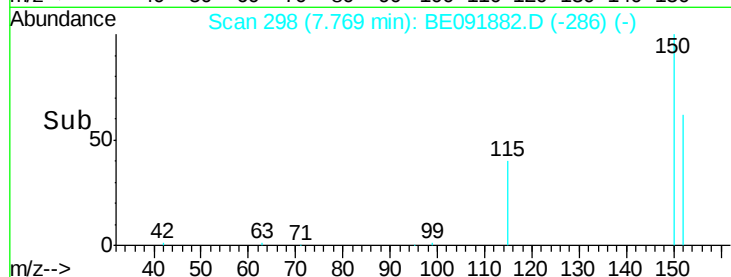
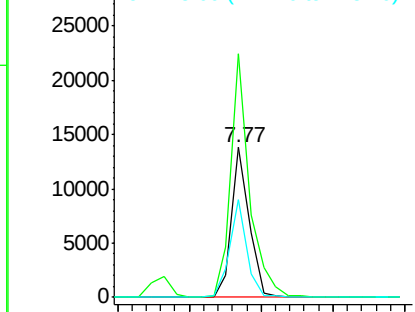
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. 0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 23118
Ion Ratio Lower Upper
152 100
150 162.2 123.9 185.9
115 65.5 48.3 72.5



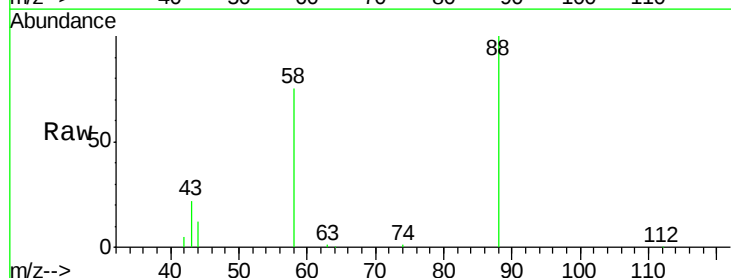
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



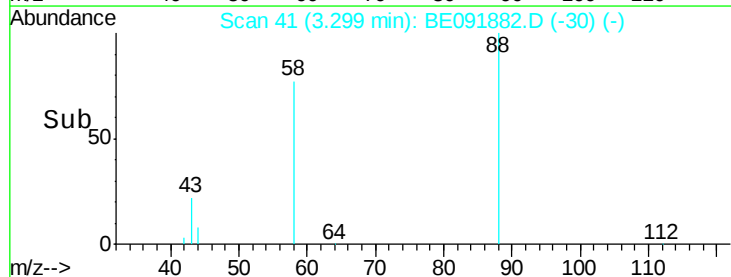
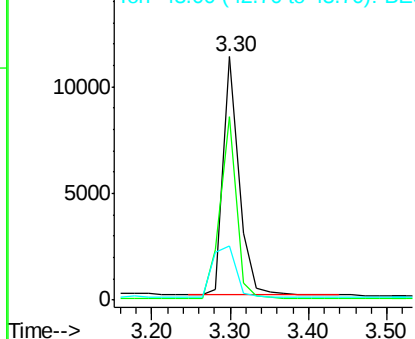
#2

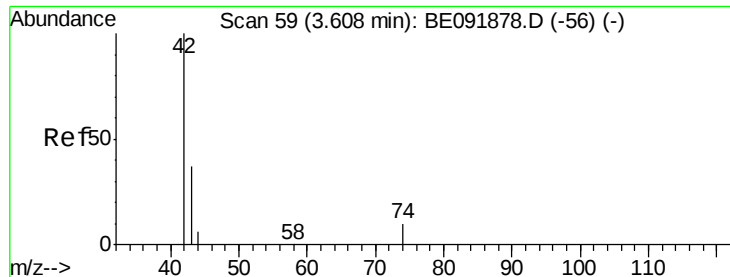
1,4-Dioxane
Concen: 4.56 ng
RT: 3.30 min Scan# 41
Delta R.T. -0.02 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion: 88 Resp: 15560
Ion Ratio Lower Upper
88 100
58 79.8 63.0 94.4
43 32.3 29.1 43.7



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



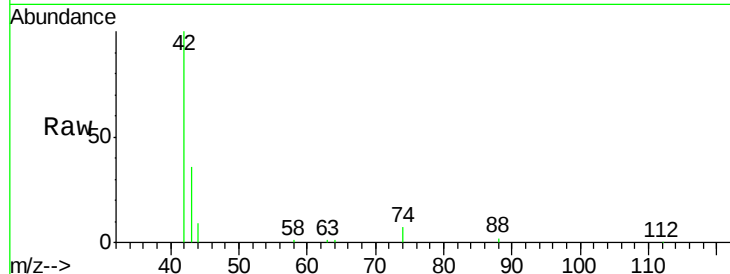


#3

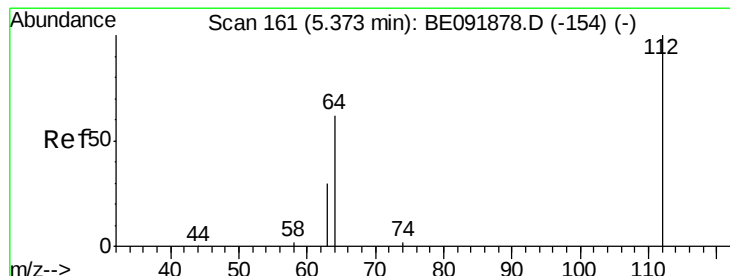
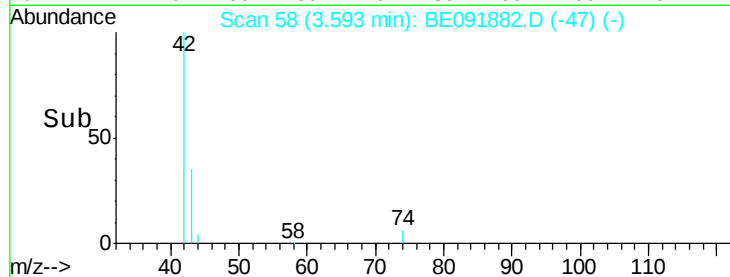
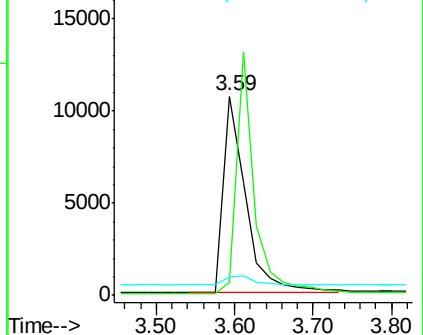
n-Nitrosodimethylamine
 Concen: 4.94 ng
 RT: 3.59 min Scan# 58
 Delta R.T. -0.02 min
 Lab File: BE091882.D
 Acq: 7 Jun 2016 14:07

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 20966
 Ion Ratio Lower Upper
 42 100
 74 102.2 93.4 140.0
 44 5.9 5.0 7.6



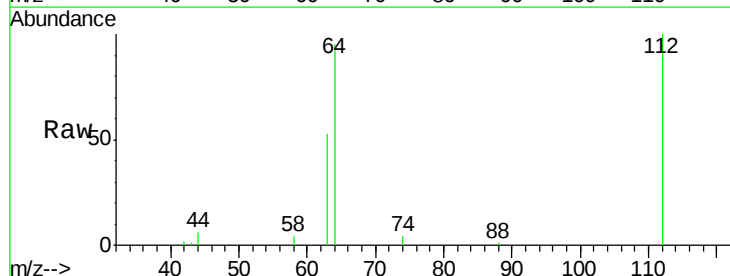
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



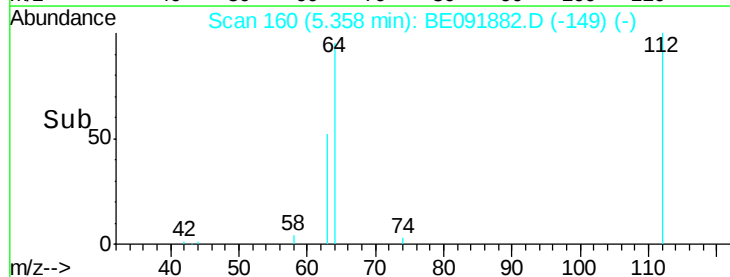
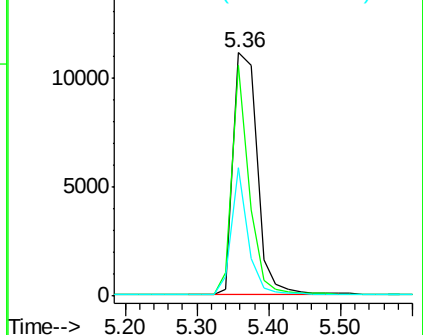
#4

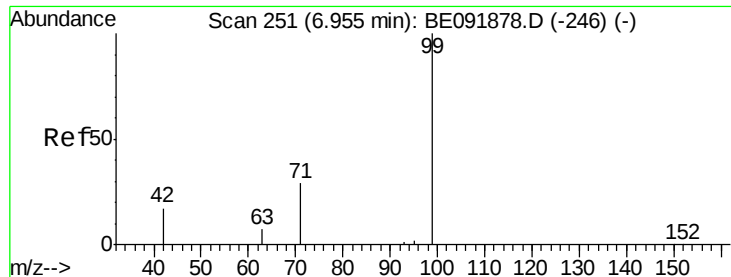
2-Fluorophenol
 Concen: 3.88 ng
 RT: 5.36 min Scan# 160
 Delta R.T. -0.02 min
 Lab File: BE091882.D
 Acq: 7 Jun 2016 14:07

Tgt Ion: 112 Resp: 25658
 Ion Ratio Lower Upper
 112 100
 64 67.9 53.7 80.5
 63 36.4 29.5 44.3



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





#5

Phenol-d6

Concen: 4.23 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampled :

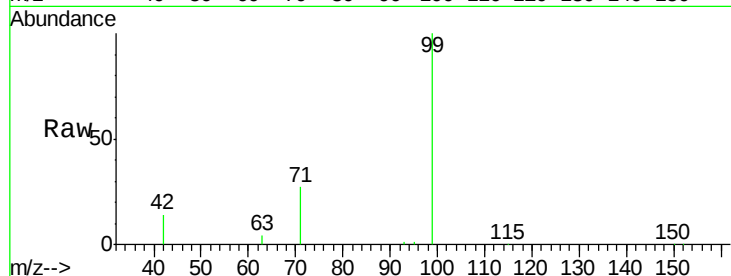
Tot Ion: 99 Resp: 36661

Ion Ratio Lower Upper

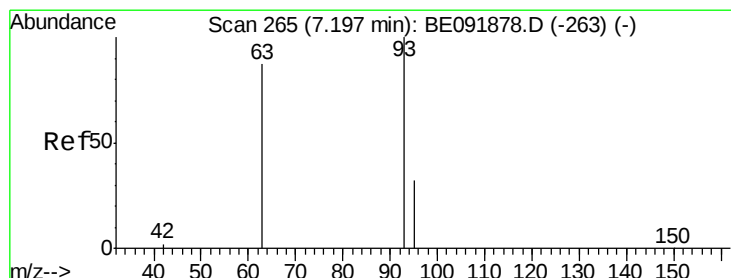
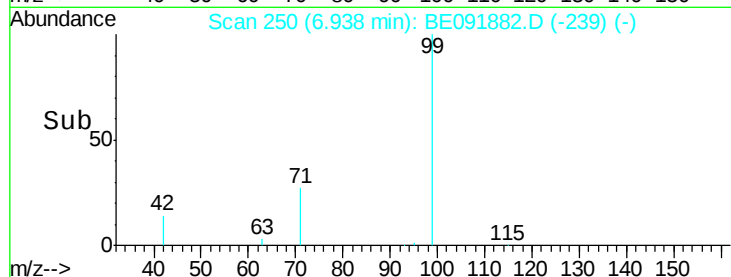
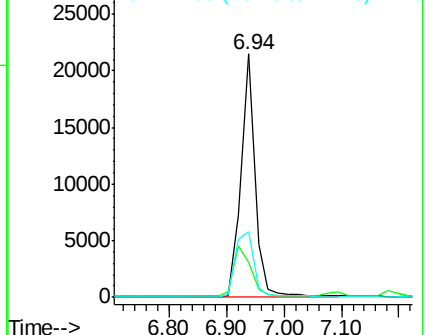
99 100

42 25.2 19.6 29.4

71 34.9 28.1 42.1



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



#6

bis(2-Chloroethyl)ether

Concen: 4.75 ng

RT: 7.20 min Scan# 265

Delta R.T. 0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

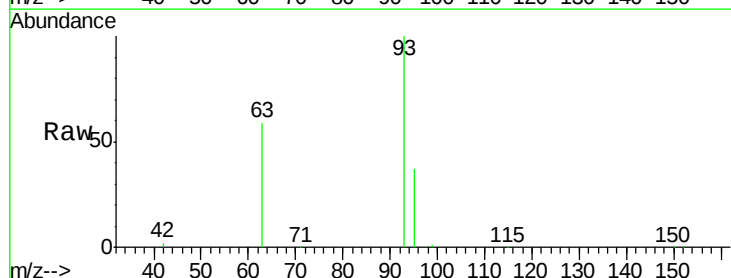
Tgt Ion: 93 Resp: 34490

Ion Ratio Lower Upper

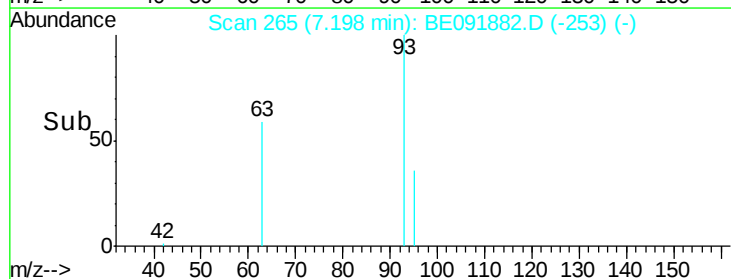
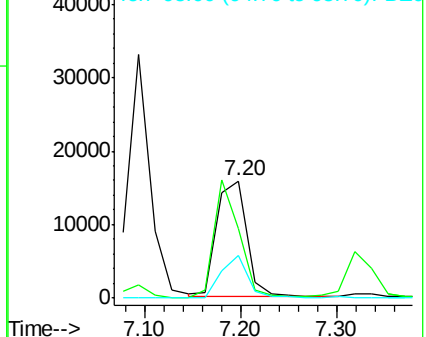
93 100

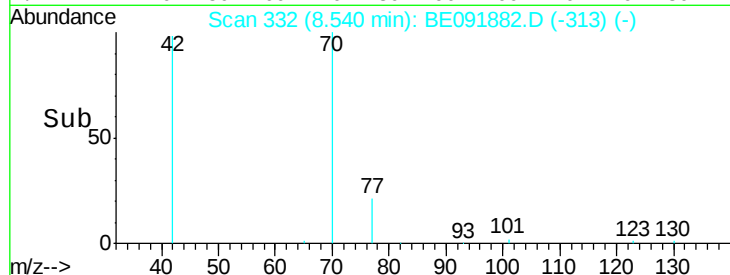
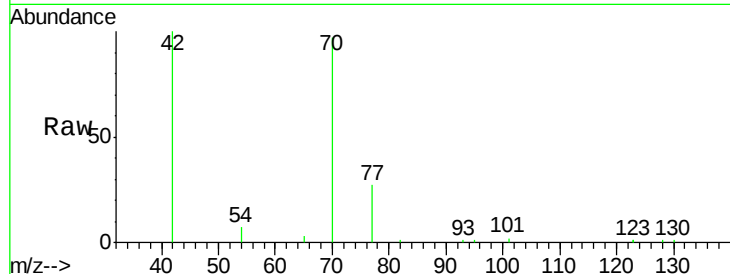
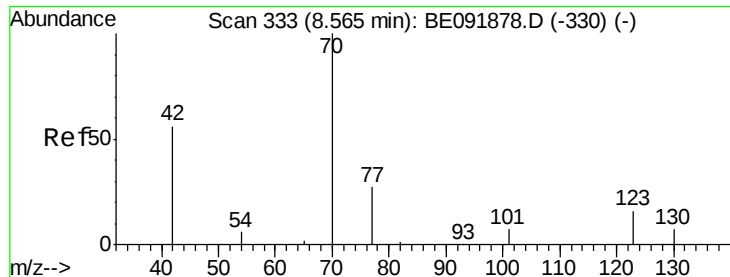
63 84.1 66.2 99.4

95 31.9 25.5 38.3



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 4.21 ng

RT: 8.54 min Scan# 332

Delta R.T. -0.03 min

Lab File: BE091882.D

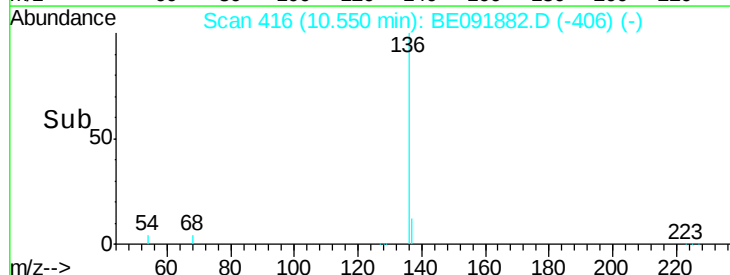
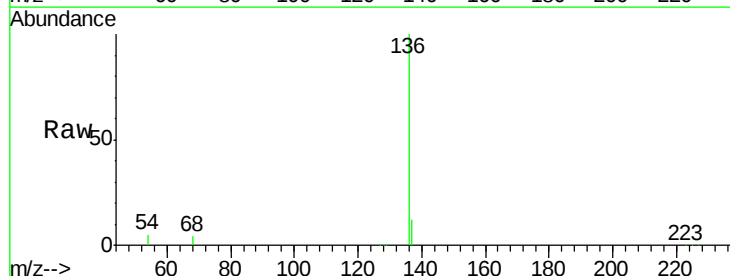
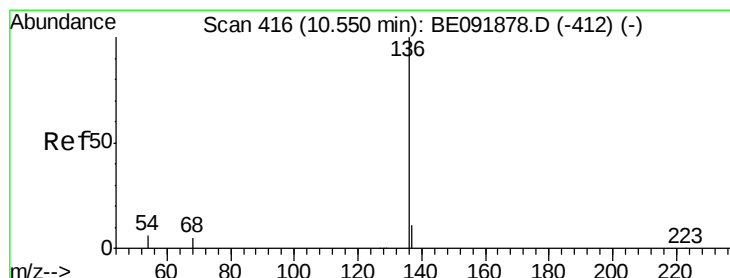
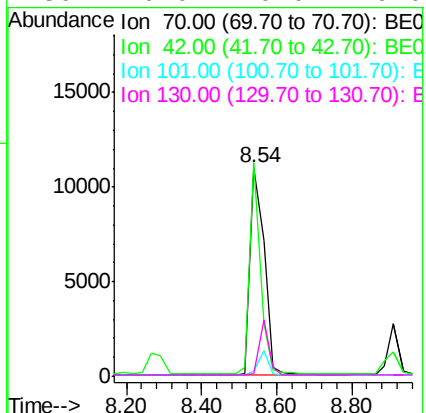
Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	70	Resp:	28281
Ion	Ratio	Lower	Upper
70	100		
42	78.1	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

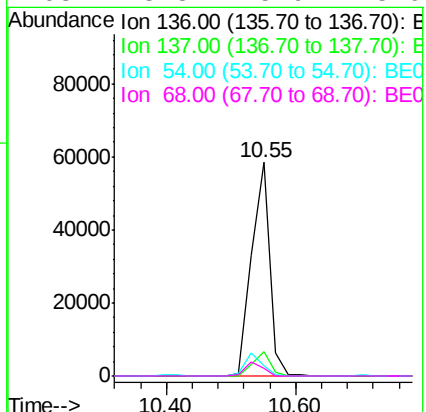
RT: 10.55 min Scan# 416

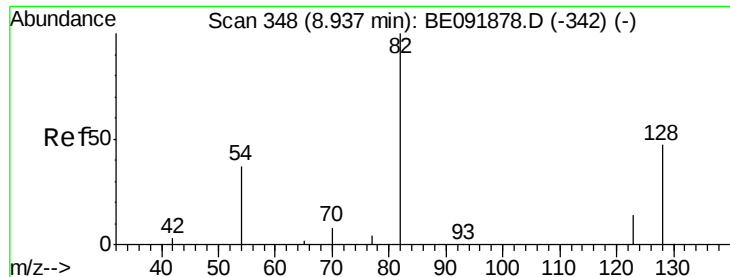
Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Tgt Ion:	136	Resp:	114327
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.3	12.5
54	4.5	8.2	12.4#
68	3.8	5.9	8.9#





#9

Nitrobenzene-d5

Concen: 4.64 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.03 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

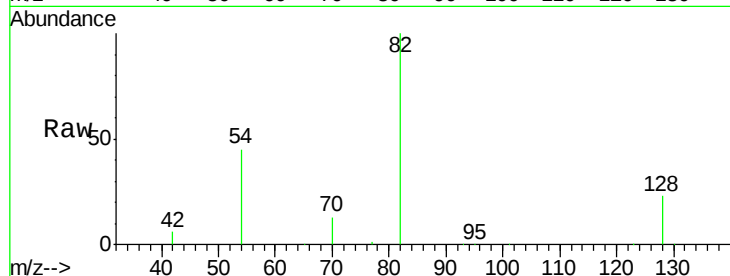
Tot Ion: 82 Resp: 43087

Ion Ratio Lower Upper

82 100

128 23.3 39.5 59.3#

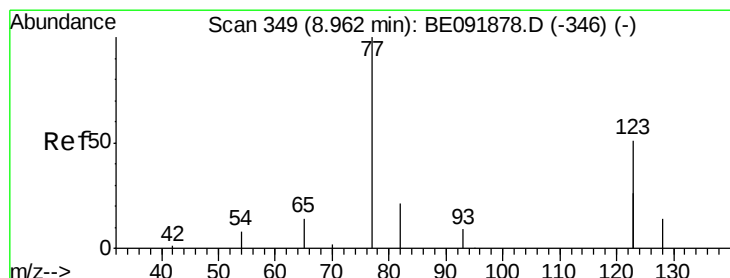
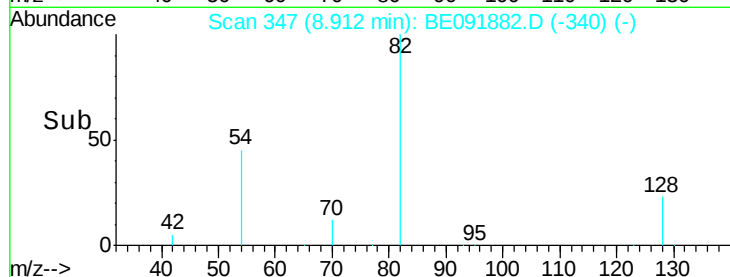
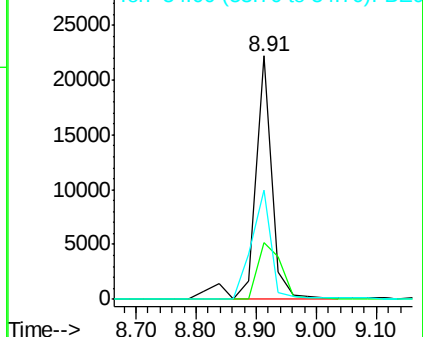
54 44.8 30.3 45.5



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: 4.40 ng

RT: 8.96 min Scan# 349

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

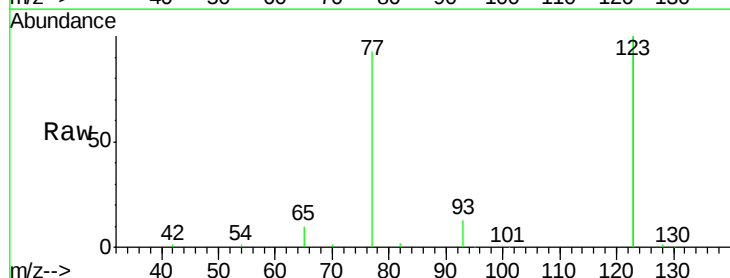
Tgt Ion: 77 Resp: 39619

Ion Ratio Lower Upper

77 100

123 164.9 0.0 0.0#

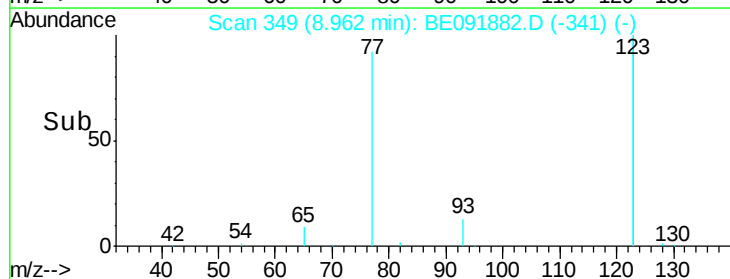
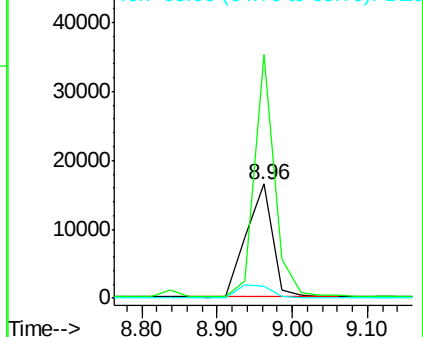
65 0.0 11.1 16.7#

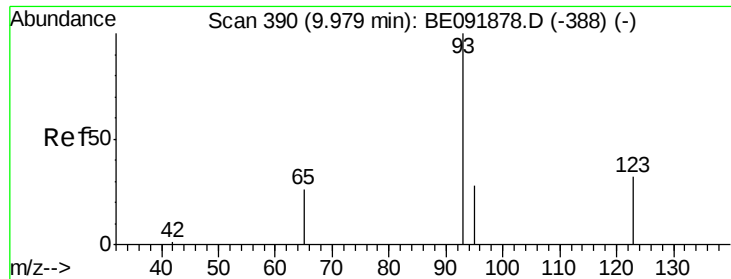


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

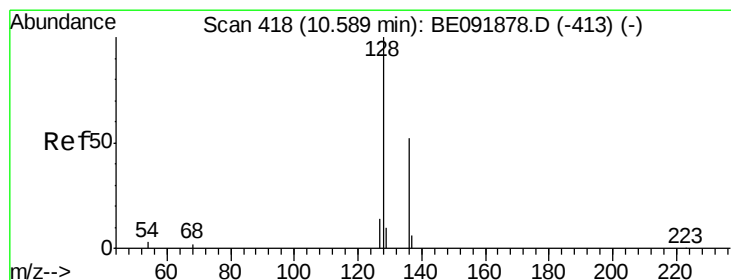
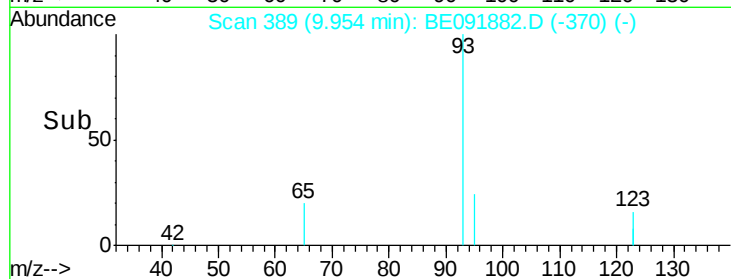
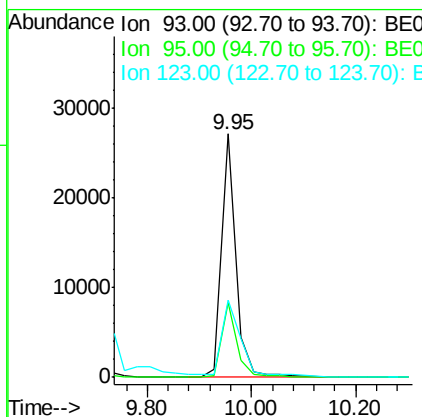
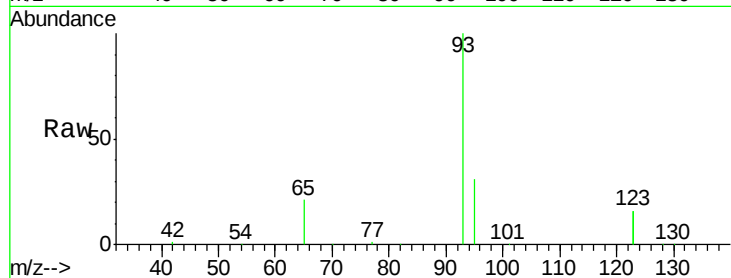




#11
bis(2-Chloroethoxy)methane
Concen: 5.39 ng
RT: 9.95 min Scan# 389
Delta R.T. -0.03 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

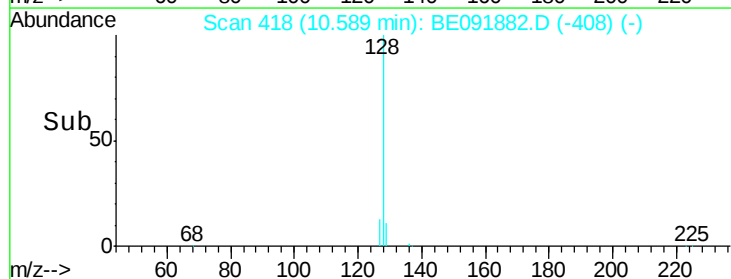
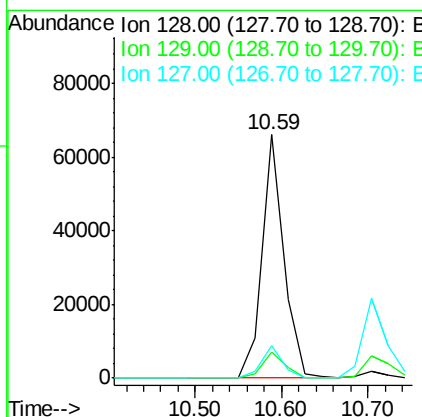
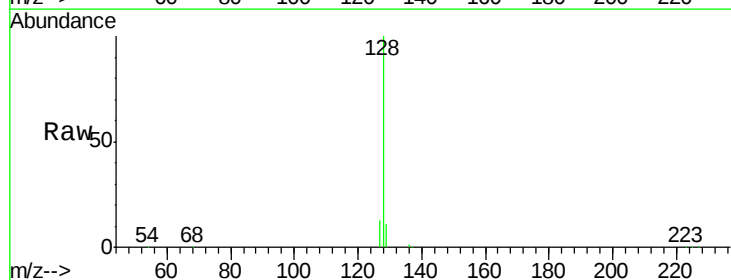
Instrument :
BNA_E
ClientSampleId :

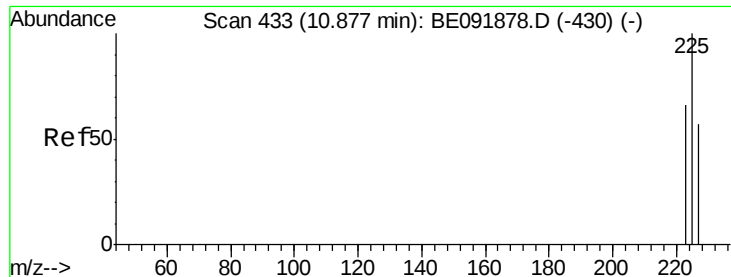
Tot Ion: 93 Resp: 58395
Ion Ratio Lower Upper
93 100
95 32.7 57.6 86.4#
123 44.4 100.2 150.4#



#12
Naphthalene
Concen: 4.66 ng
RT: 10.59 min Scan# 418
Delta R.T. -0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion: 128 Resp: 115173
Ion Ratio Lower Upper
128 100
129 10.8 10.4 15.6
127 13.3 10.2 15.2

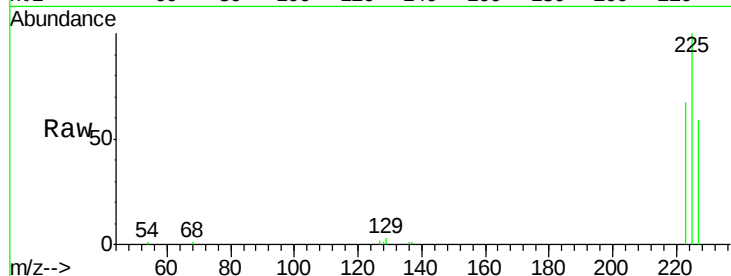




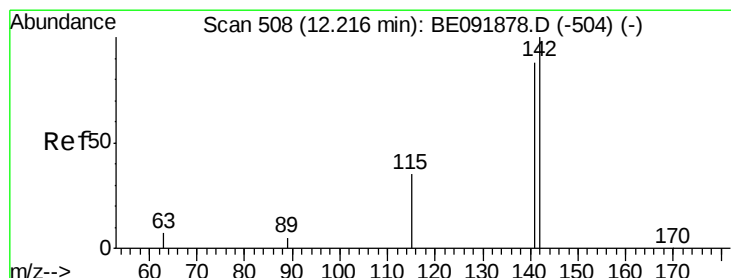
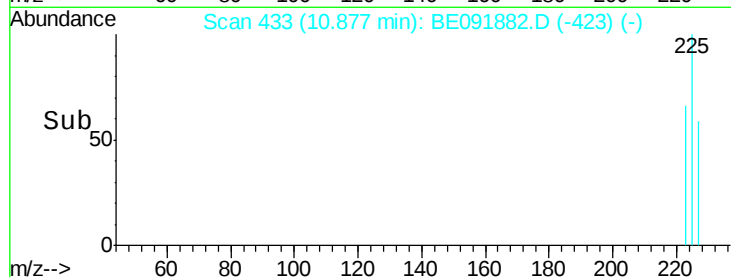
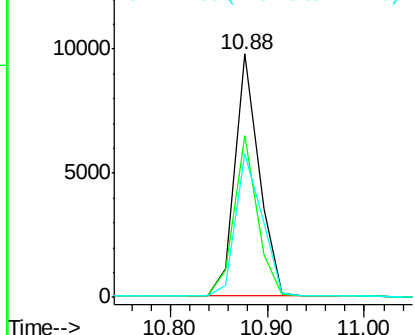
#13
Hexachlorobutadiene
Concen: 4.42 ng
RT: 10.88 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Instrument :
BNA_E
ClientSampled :

Tot Ion:225 Resp: 16810
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.8
227 63.8 50.6 75.8

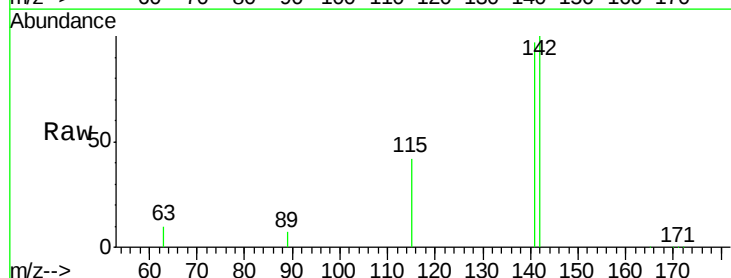


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

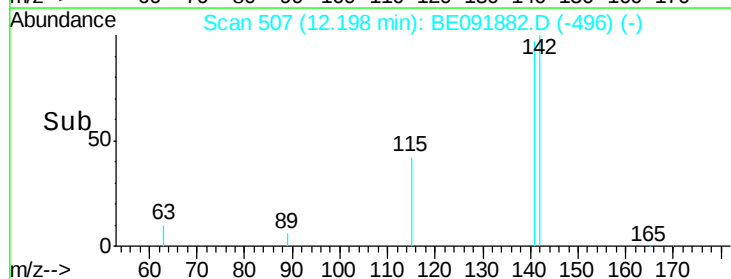
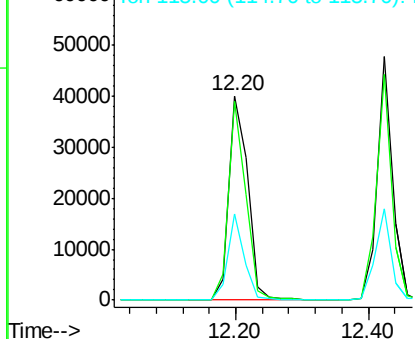


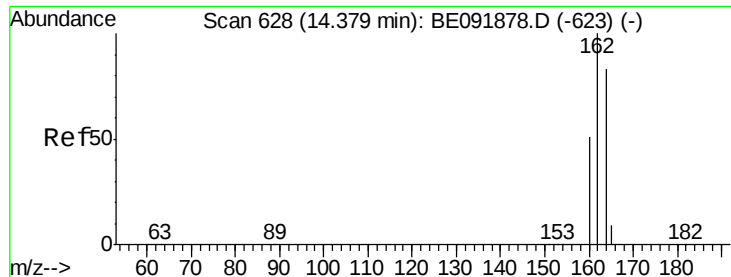
#14
2-Methylnaphthalene
Concen: 4.77 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion:142 Resp: 78747
Ion Ratio Lower Upper
142 100
141 97.1 71.9 107.9
115 42.2 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

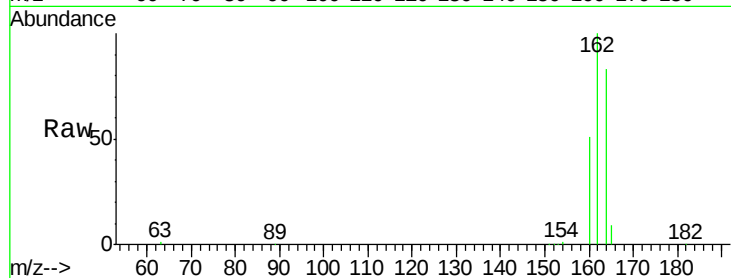
Tot Ion:164 Resp: 70435

Ion Ratio Lower Upper

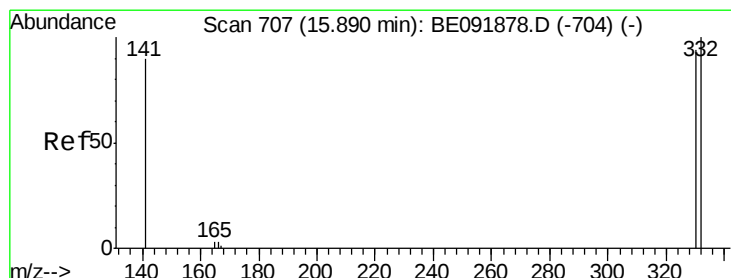
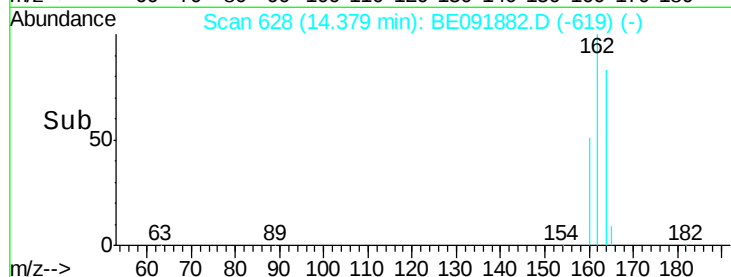
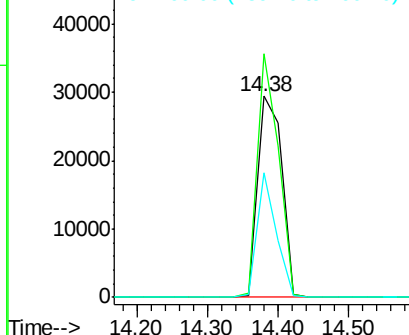
164 100

162 121.1 71.8 107.8#

160 62.2 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: 3.96 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

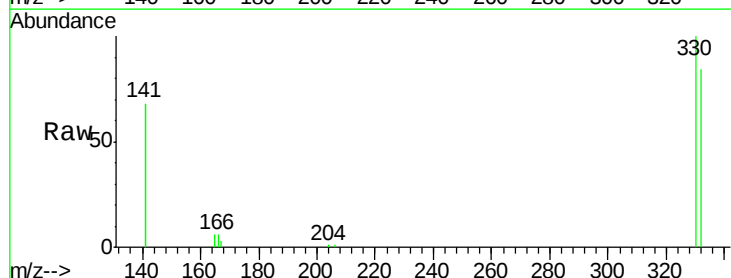
Tgt Ion:330 Resp: 12435

Ion Ratio Lower Upper

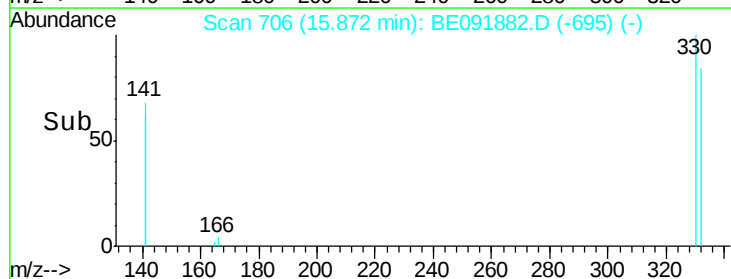
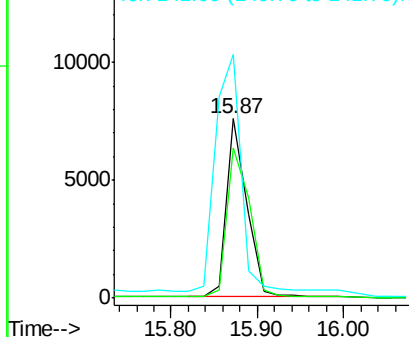
330 100

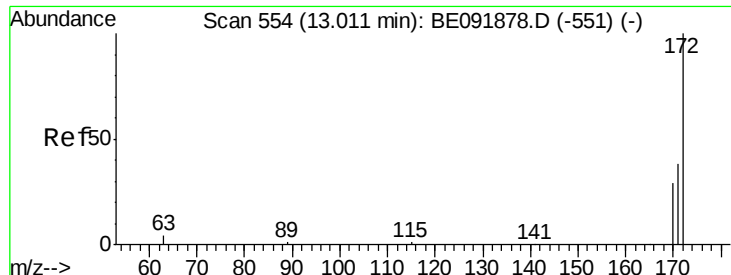
332 94.9 77.0 115.6

141 165.9 138.4 207.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

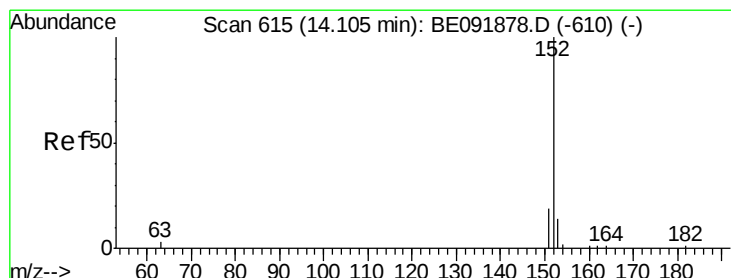
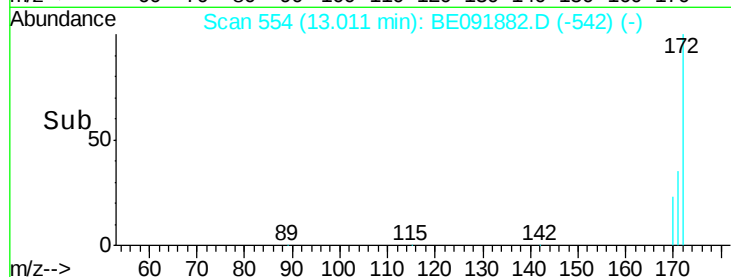
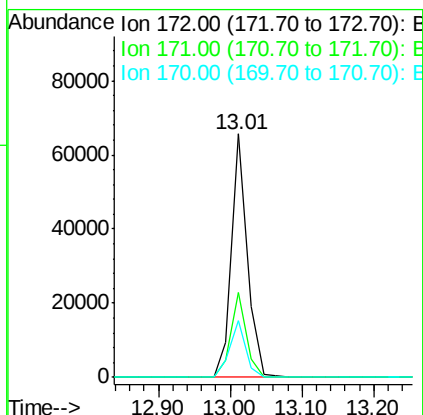
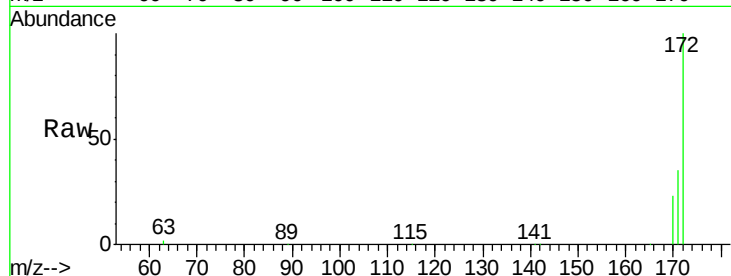




#17
2-Fluorobiphenyl
Concen: 4.73 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

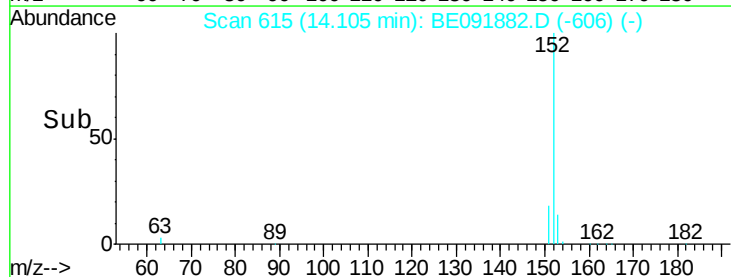
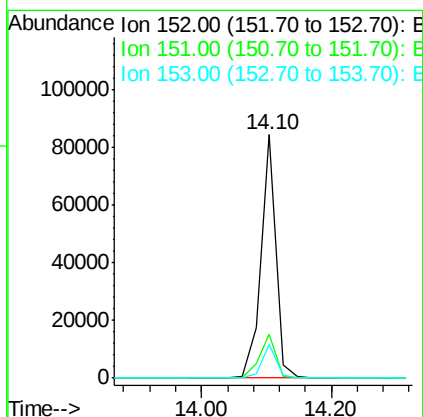
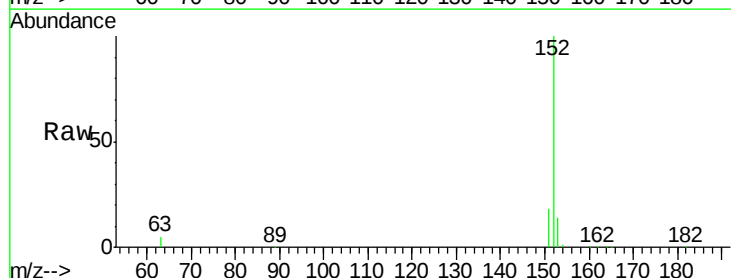
Instrument :
BNA_E
ClientSampleId :

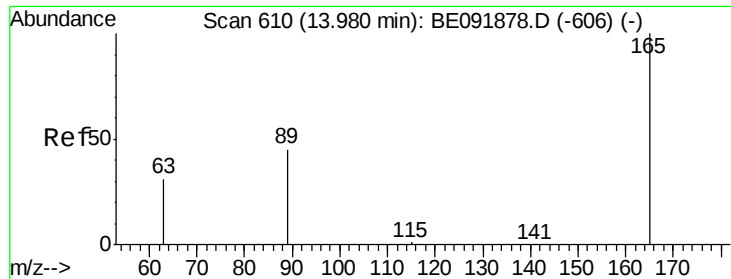
Tot Ion:172 Resp: 99095
Ion Ratio Lower Upper
172 100
171 34.7 24.3 36.5
170 23.2 14.9 22.3#



#18
Acenaphthylene
Concen: 4.32 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion:152 Resp: 149700
Ion Ratio Lower Upper
152 100
151 19.5 19.4 29.2
153 13.6 14.4 21.6#

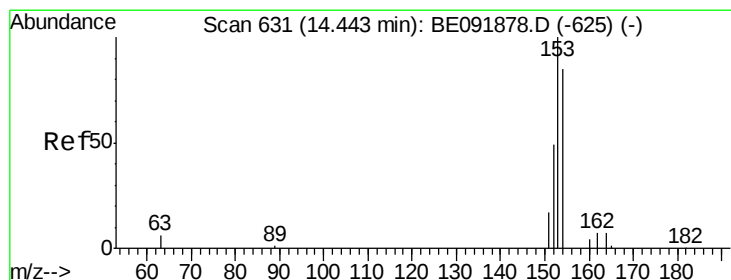
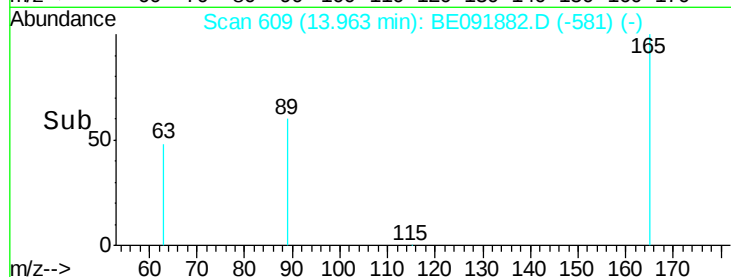
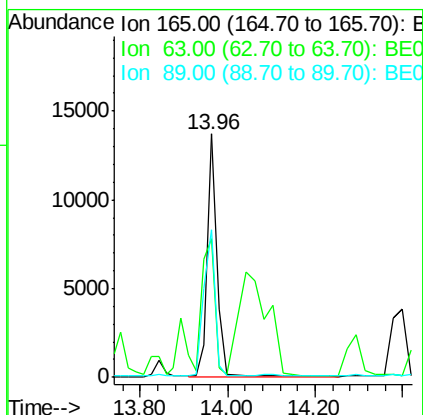
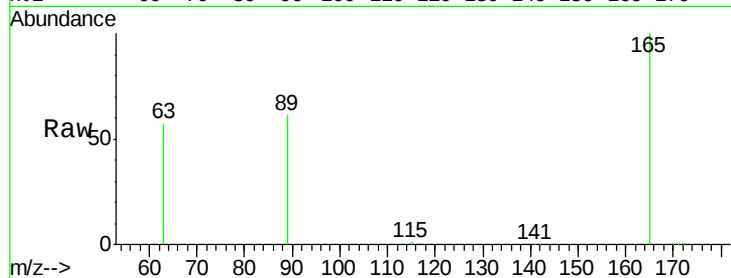




#19
2,6-Dinitrotoluene
Concen: 5.19 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

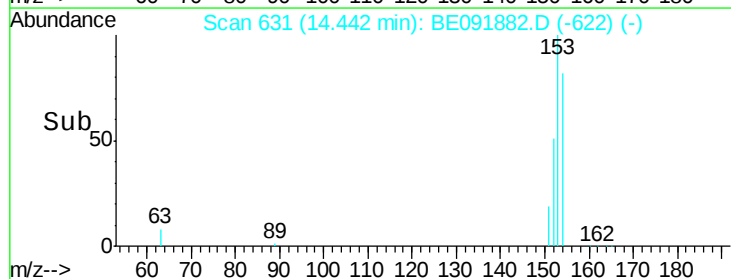
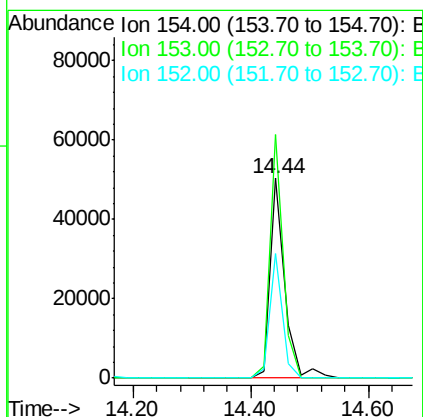
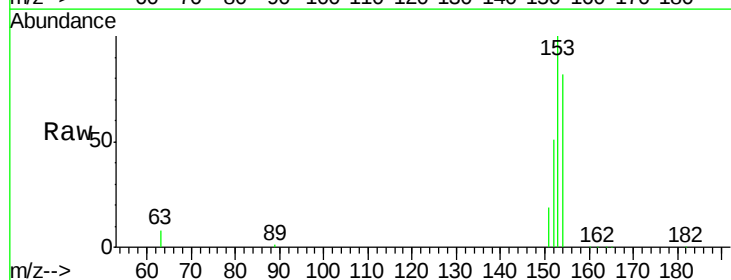
Instrument :
BNA_E
ClientSampled :

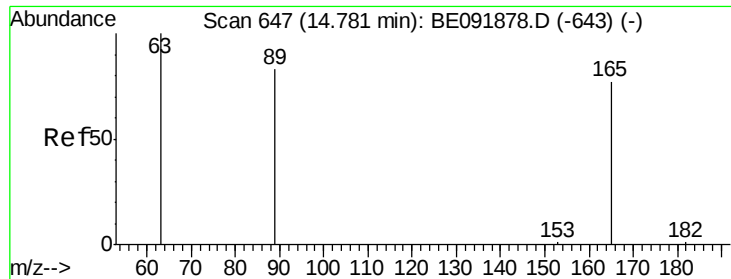
Tot Ion:165 Resp: 24911
Ion Ratio Lower Upper
165 100
63 82.5 65.9 98.9
89 69.4 59.1 88.7



#20
Acenaphthene
Concen: 4.65 ng
RT: 14.44 min Scan# 631
Delta R.T. -0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion:154 Resp: 87654
Ion Ratio Lower Upper
154 100
153 109.0 88.1 132.1
152 54.5 44.2 66.2

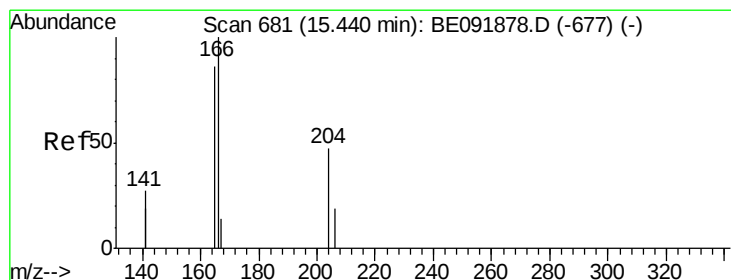
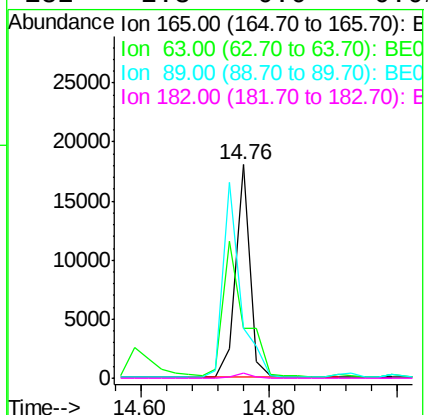
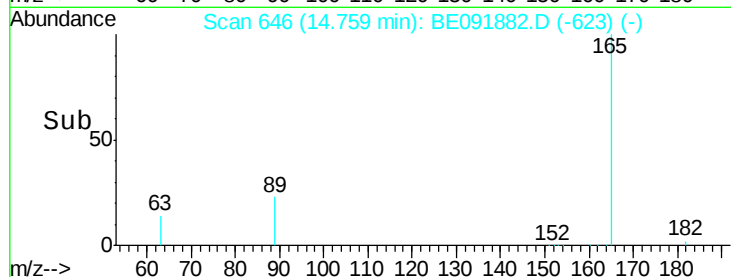
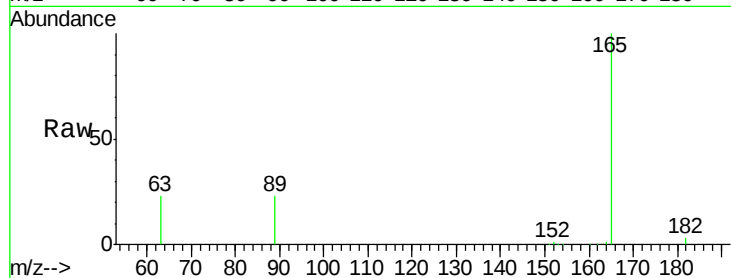




#21
2,4-Dinitrotoluene
Concen: 5.10 ng
RT: 14.76 min Scan# 646
Delta R.T. -0.02 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

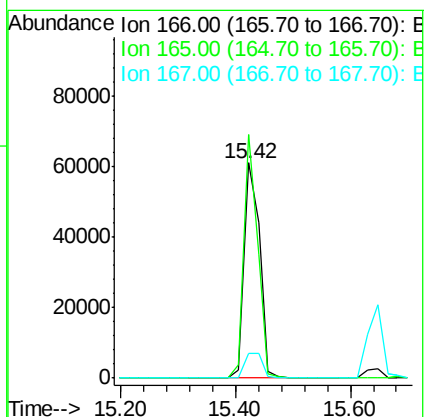
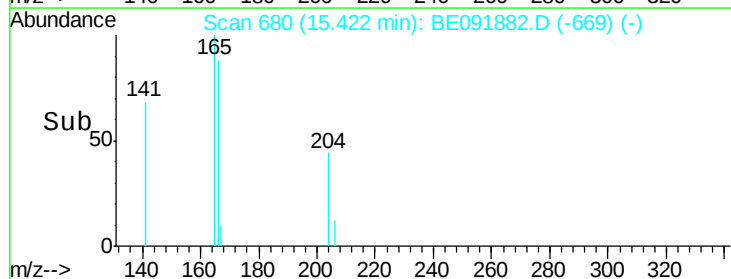
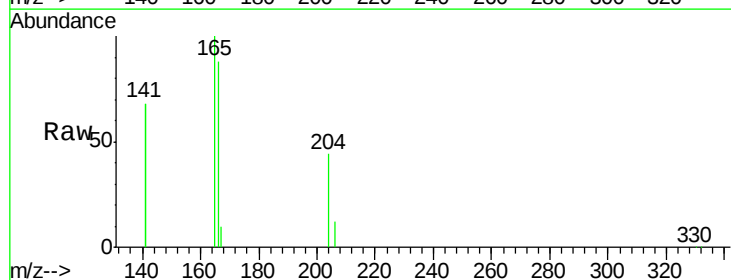
Instrument :
BNA_E
ClientSampled :

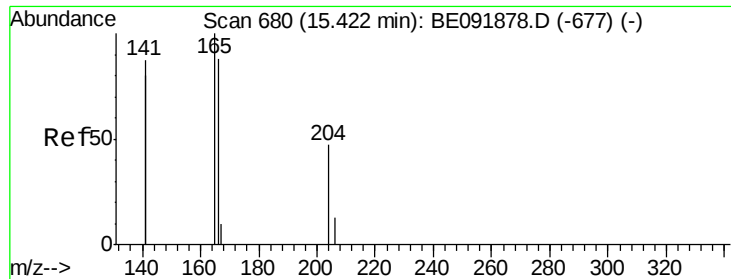
Tot Ion:165 Resp: 28248
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 2.3 0.0 0.0#



#22
Fluorene
Concen: 4.62 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.02 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion:166 Resp: 114208
Ion Ratio Lower Upper
166 100
165 100.0 78.6 117.8
167 13.3 10.8 16.2

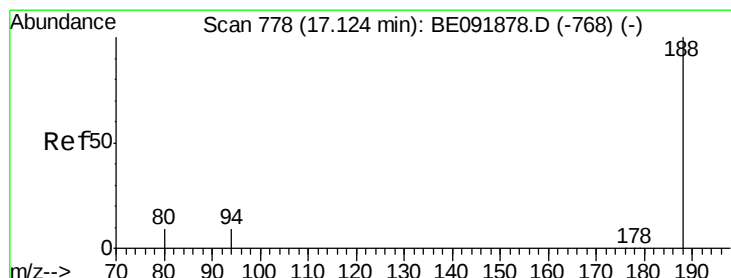
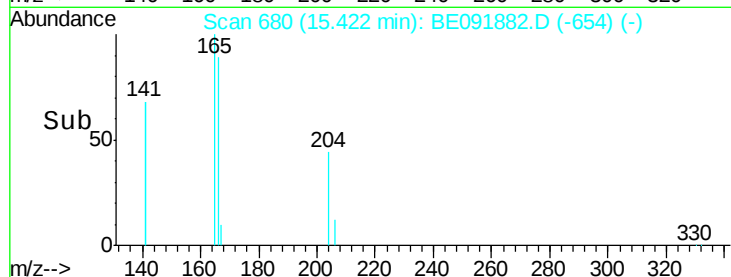
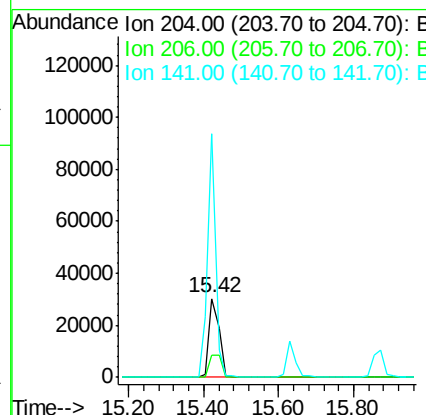
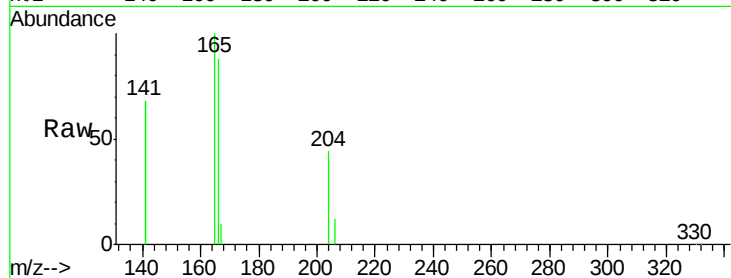




#23
4-Chlorophenyl-phenylether
Concen: 4.28 ng
RT: 15.42 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

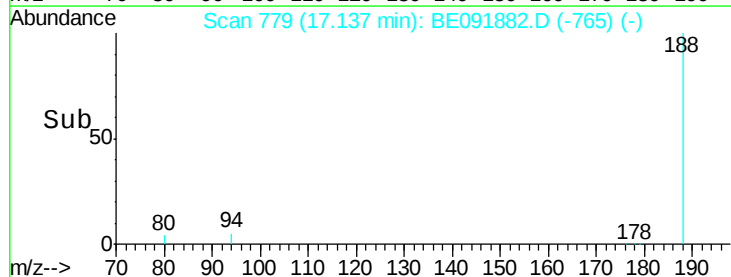
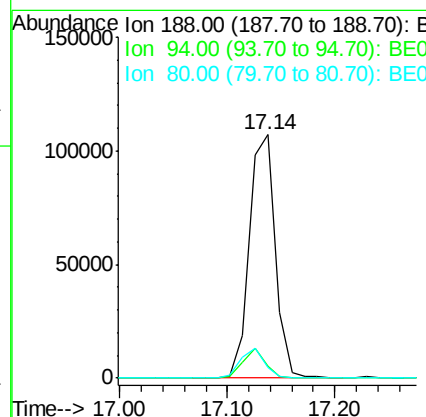
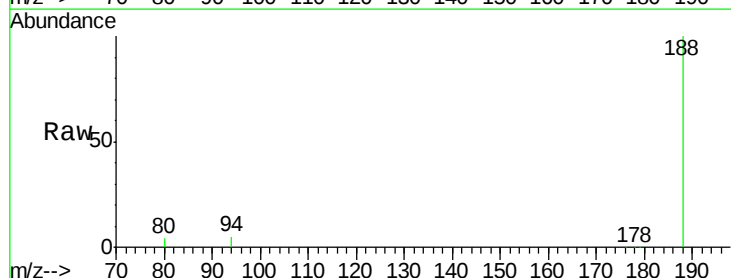
Instrument :
BNA_E
ClientSampled :

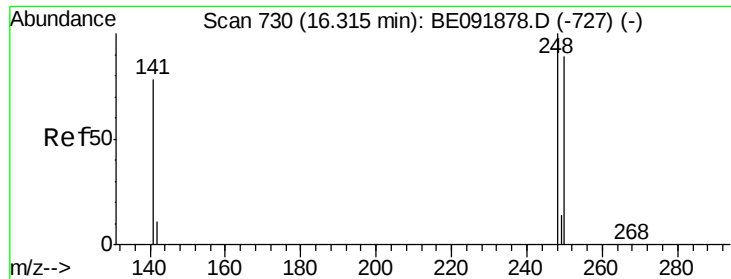
Tot Ion:204 Resp: 53189
Ion Ratio Lower Upper
204 100
206 34.1 27.8 41.6
141 250.9 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 779
Delta R.T. 0.01 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion:188 Resp: 179255
Ion Ratio Lower Upper
188 100
94 5.0 4.1 6.1
80 4.2 3.4 5.2

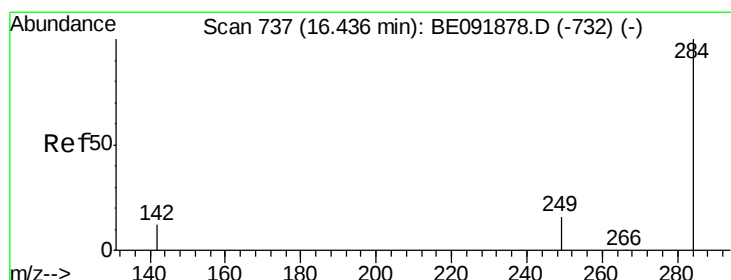
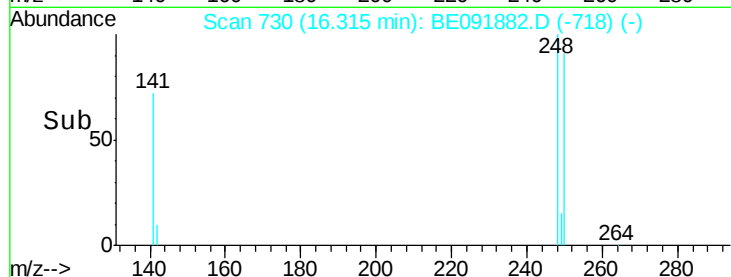
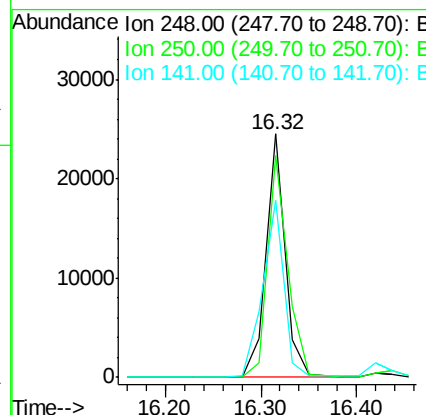
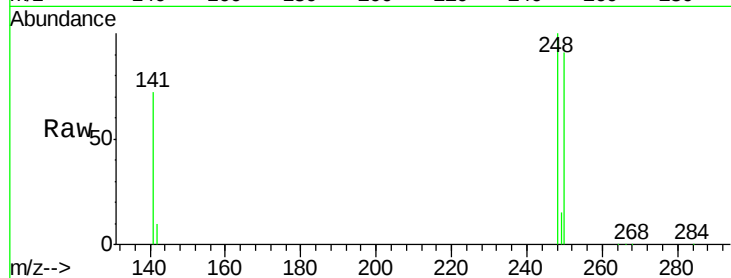




#25
4-Bromophenyl-phenylether
Concen: 5.26 ng
RT: 16.32 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

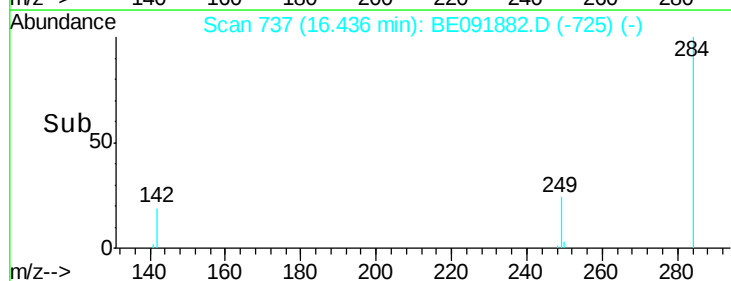
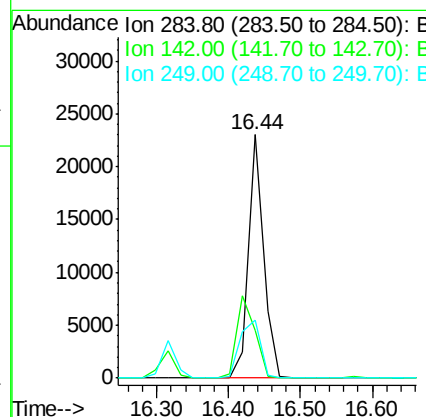
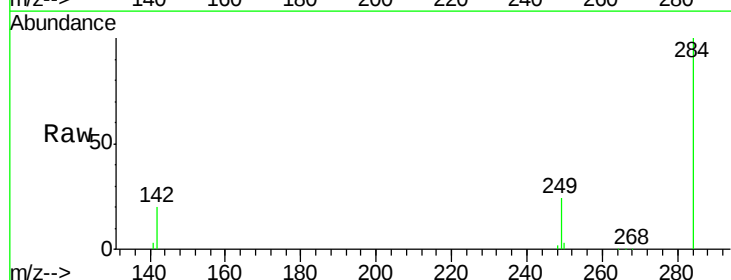
Instrument :
BNA_E
ClientSampleId :

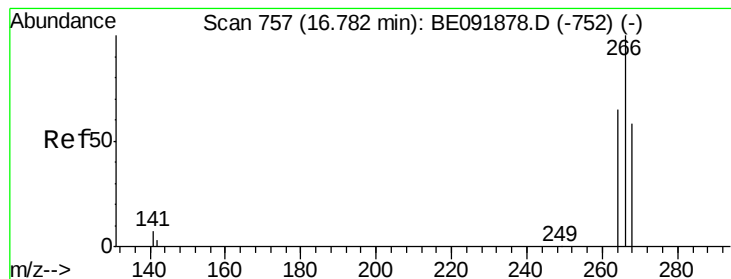
Tot Ion:248 Resp: 33655
Ion Ratio Lower Upper
248 100
250 96.5 75.7 113.5
141 79.9 64.6 97.0



#26
Hexachlorobenzene
Concen: 5.42 ng
RT: 16.44 min Scan# 737
Delta R.T. 0.00 min
Lab File: BE091882.D
Acq: 7 Jun 2016 14:07

Tgt Ion:284 Resp: 33110
Ion Ratio Lower Upper
284 100
142 39.6 31.4 47.2
249 31.7 25.3 37.9





#27

Pentachlorophenol

Concen: 6.80 ng

RT: 16.78 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

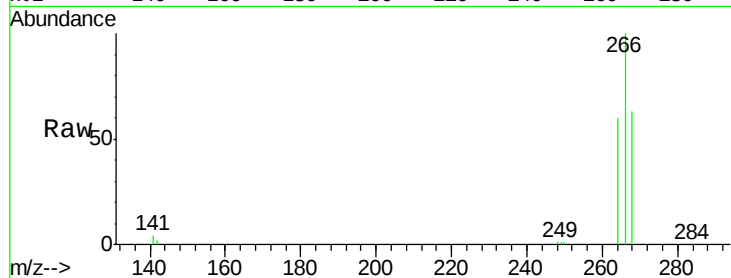
Tot Ion:266 Resp: 16013

Ion Ratio Lower Upper

266 100

268 63.5 60.5 90.7

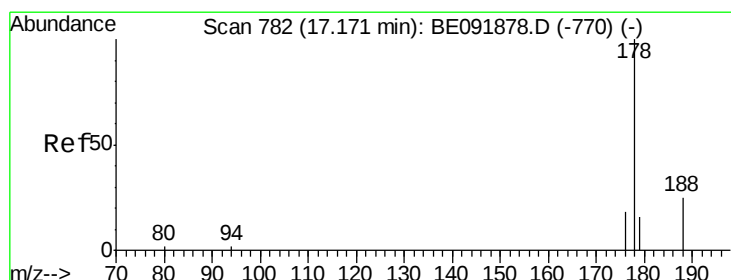
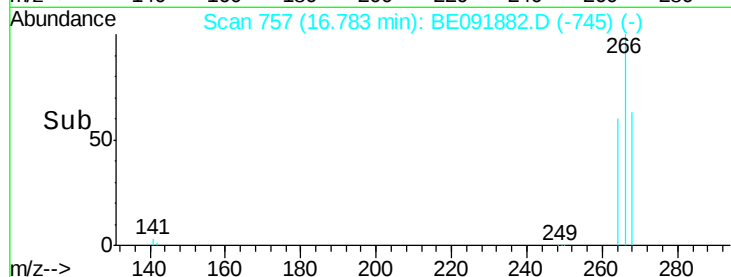
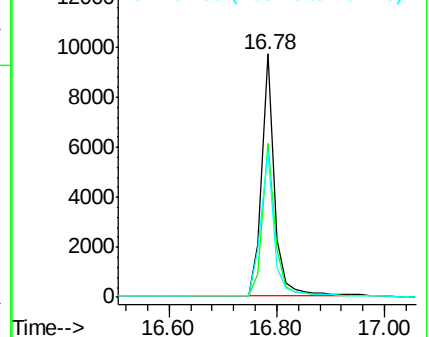
264 60.2 51.0 76.4



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: 5.24 ng

RT: 17.17 min Scan# 782

Delta R.T. 0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

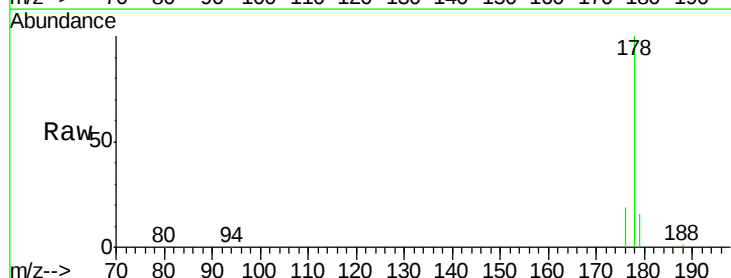
Tgt Ion:178 Resp: 204577

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

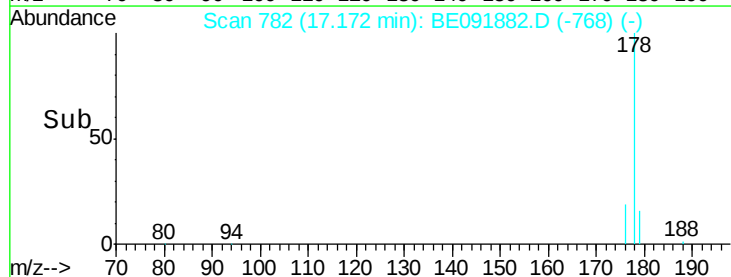
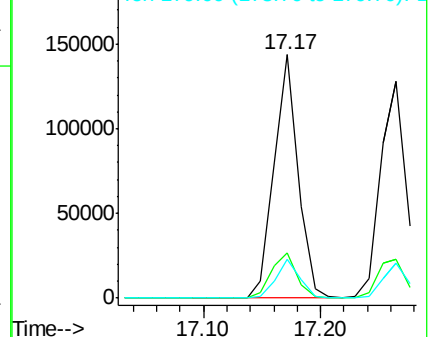
179 15.5 12.9 19.3

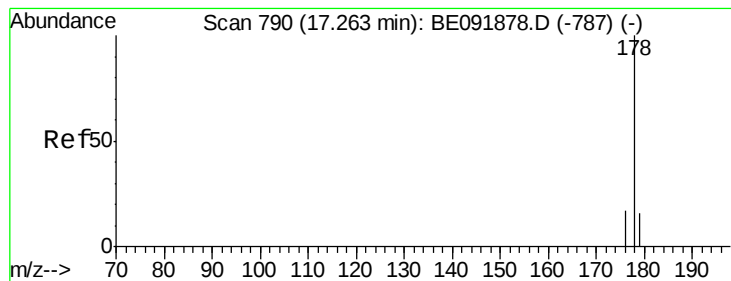


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 5.55 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

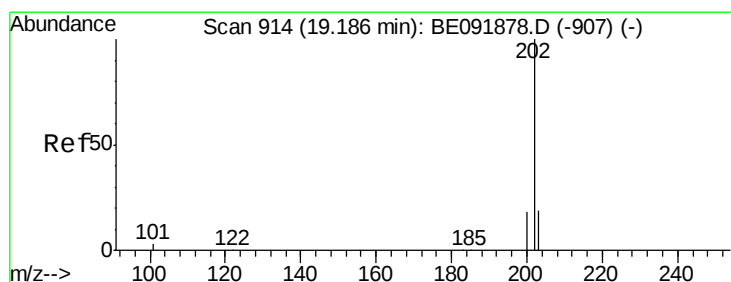
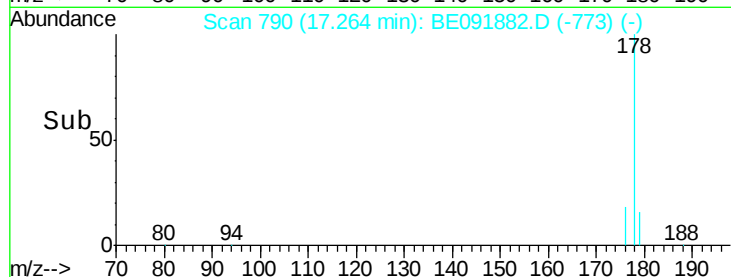
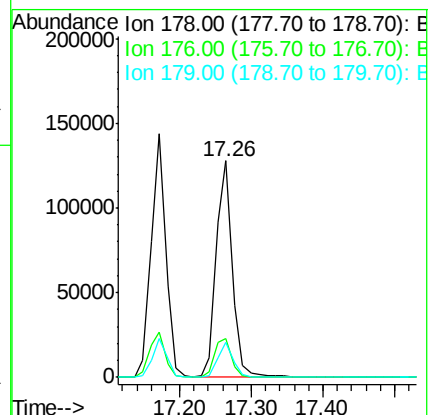
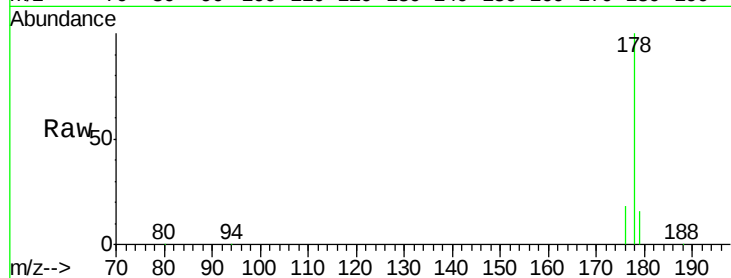
Tot Ion:178 Resp: 198870

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.0 12.1 18.1



#30

Fluoranthene

Concen: 5.24 ng

RT: 19.19 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

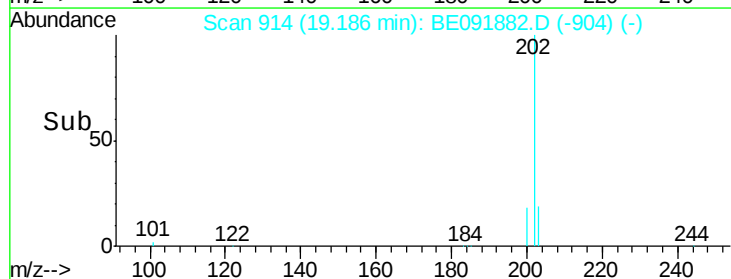
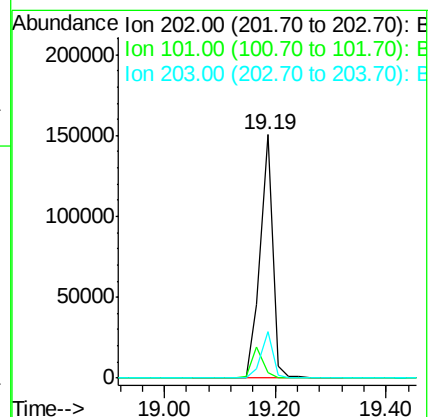
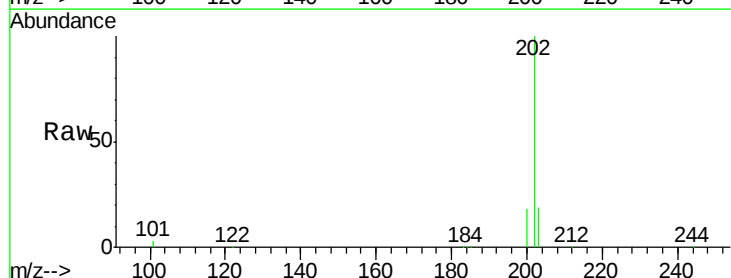
Tgt Ion:202 Resp: 238991

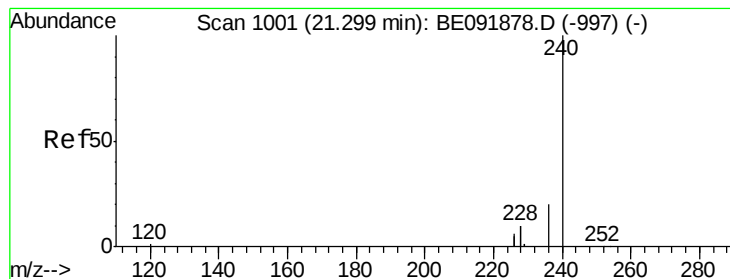
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.0

203 17.9 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.30 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

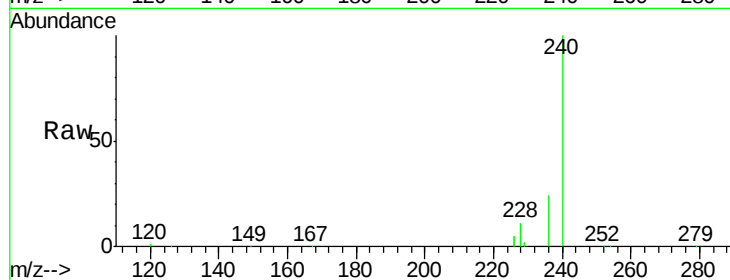
Tot Ion:240 Resp: 280027

Ion Ratio Lower Upper

240 100

120 0.5 1.2 1.8#

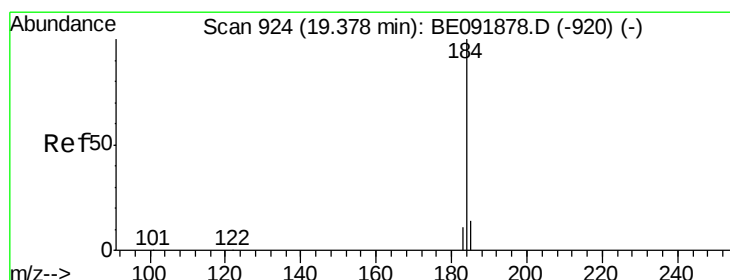
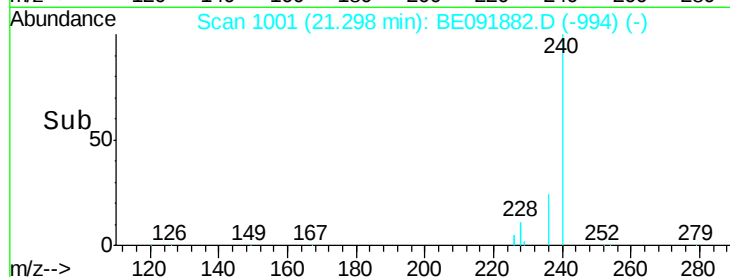
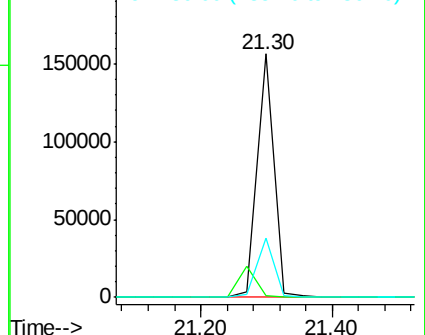
236 24.2 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 4.18 ng

RT: 19.38 min Scan# 924

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

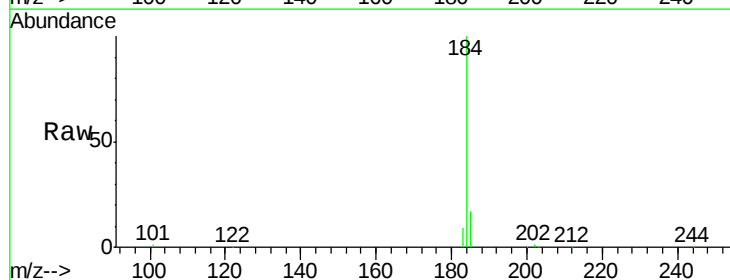
Tgt Ion:184 Resp: 93735

Ion Ratio Lower Upper

184 100

185 16.6 11.4 17.2

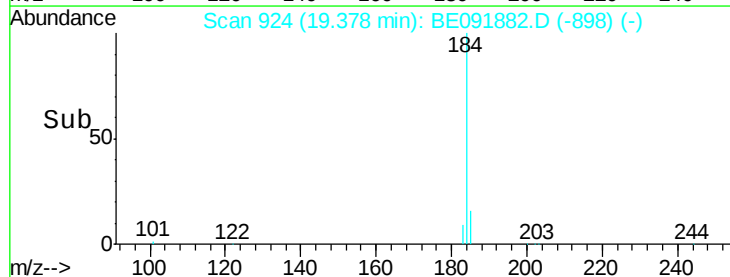
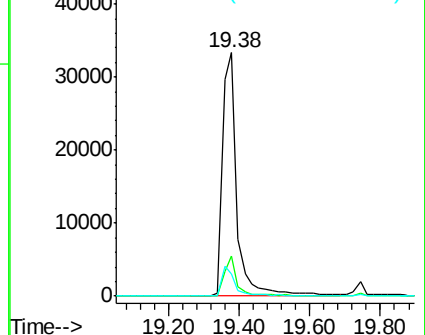
183 9.2 11.8 17.6#

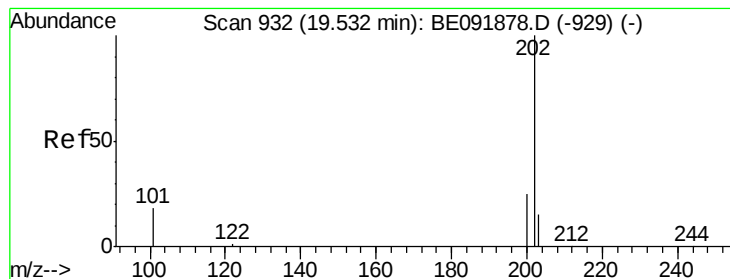


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 4.17 ng

RT: 19.55 min Scan# 933

Delta R.T. 0.02 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

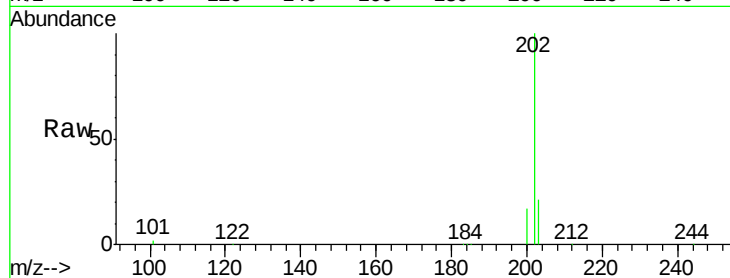
Tot Ion:202 Resp: 247805

Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

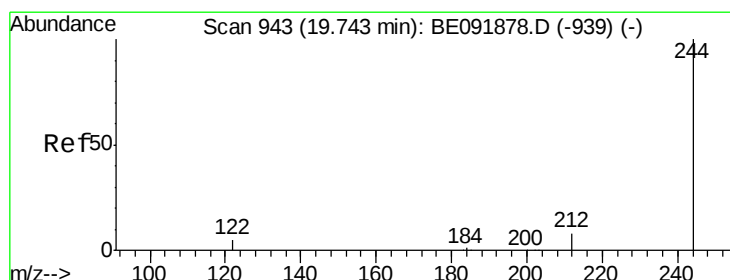
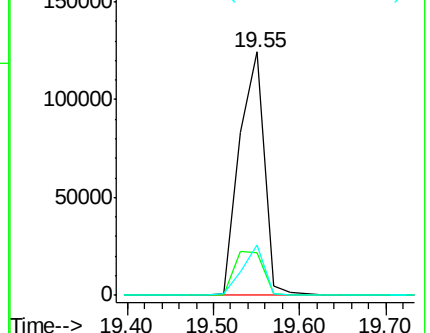
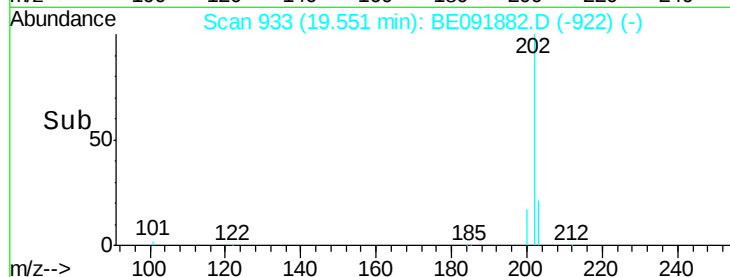
203 18.5 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: 3.81 ng

RT: 19.74 min Scan# 943

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

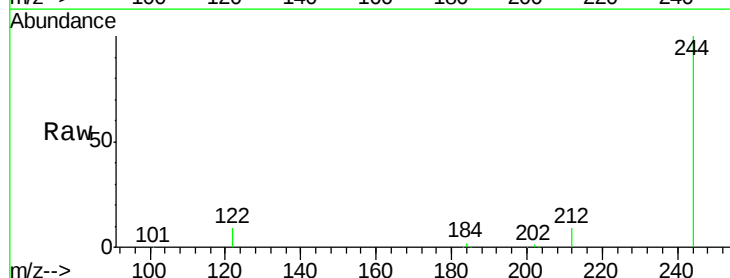
Tgt Ion:244 Resp: 161110

Ion Ratio Lower Upper

244 100

212 9.4 6.5 9.7

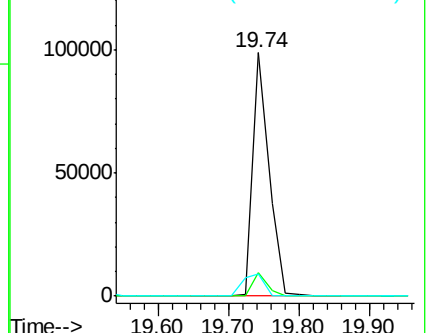
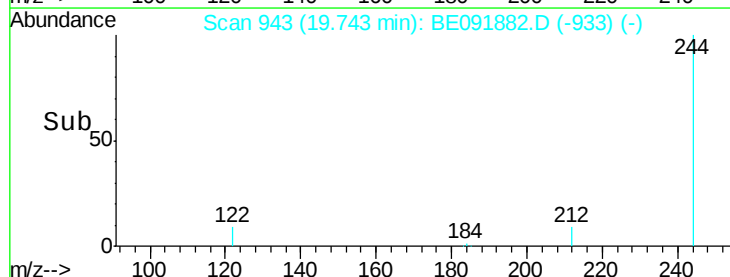
122 8.9 2.9 4.3#

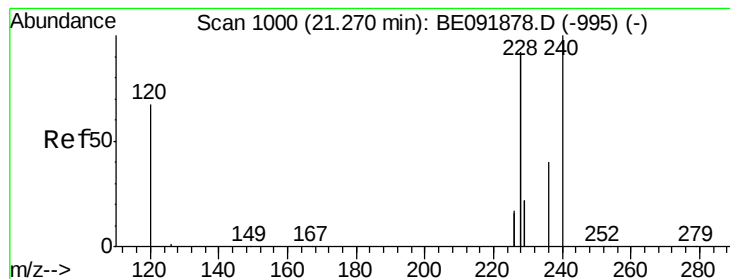


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 38.11 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

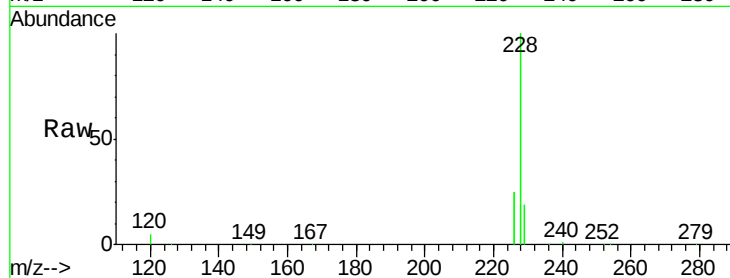
Tot Ion:228 Resp: 2844445

Ion Ratio Lower Upper

228 100

226 25.2 21.0 31.4

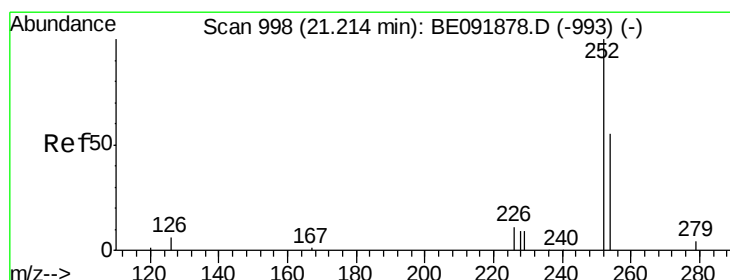
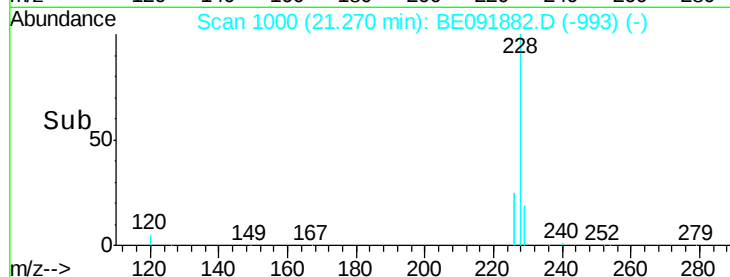
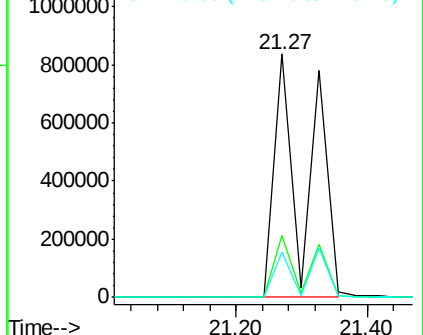
229 18.7 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 1.96 ng

RT: 21.21 min Scan# 998

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

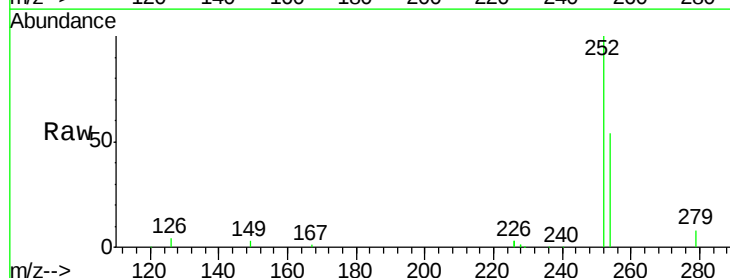
Tgt Ion:252 Resp: 80290

Ion Ratio Lower Upper

252 100

254 53.6 61.5 92.3#

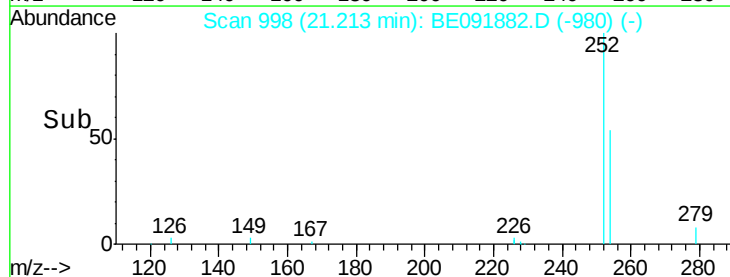
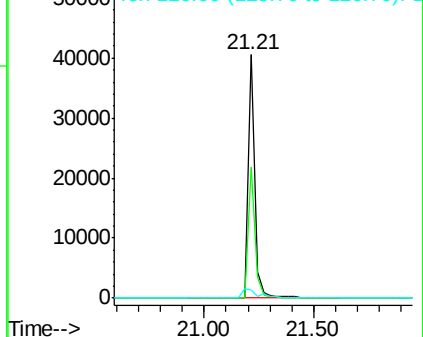
126 3.5 2.5 3.7

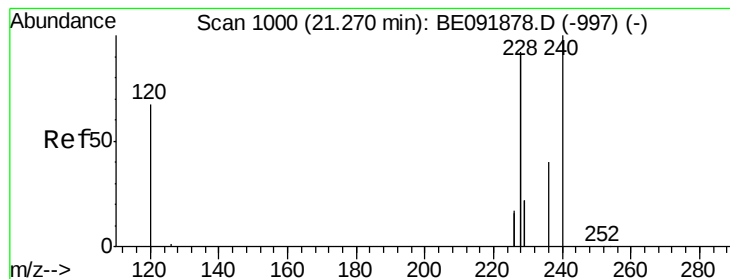


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 41.78 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampled :

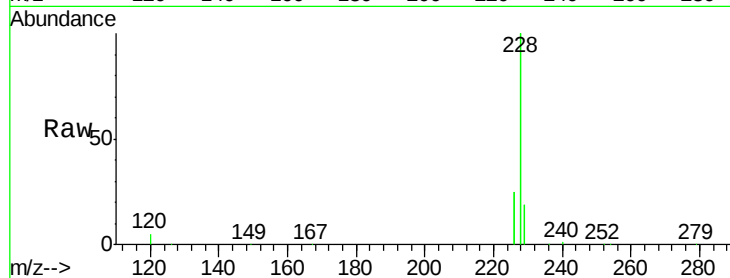
Tot Ion:228 Resp: 2860552

Ion Ratio Lower Upper

228 100

226 25.2 27.0 40.6#

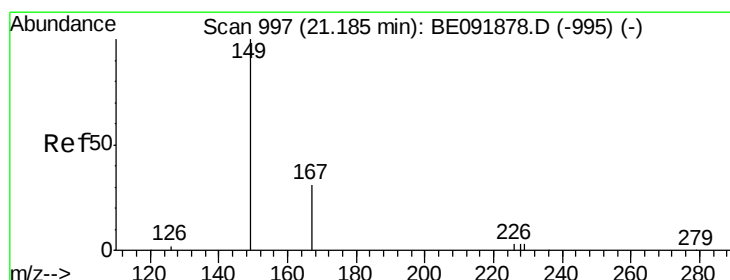
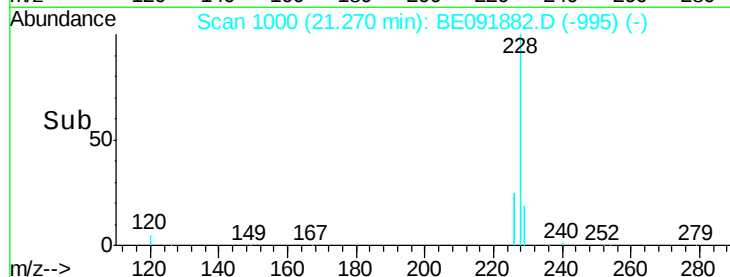
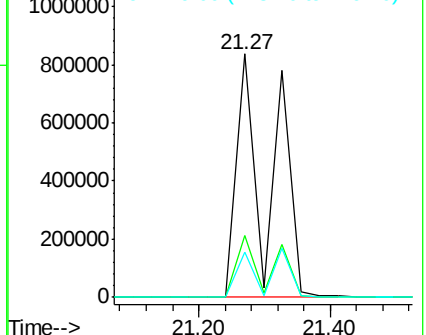
229 18.7 13.8 20.8



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: 7.36 ng

RT: 21.18 min Scan# 997

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

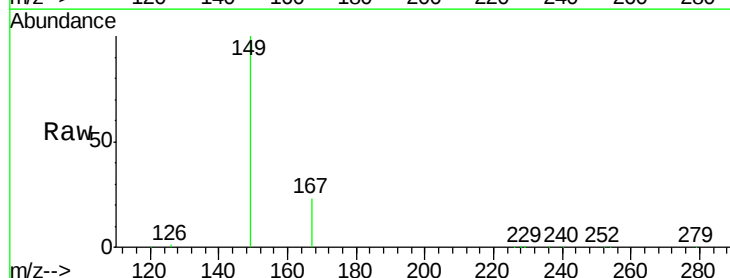
Tgt Ion:149 Resp: 199479

Ion Ratio Lower Upper

149 100

167 23.6 0.0 0.0#

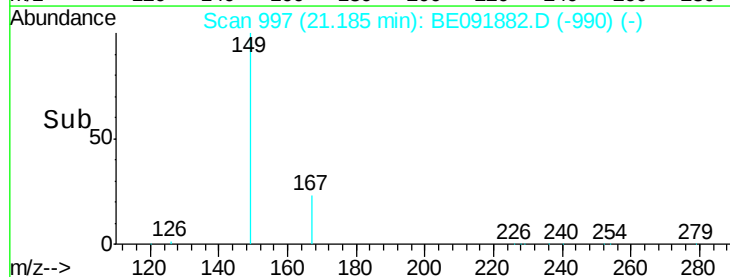
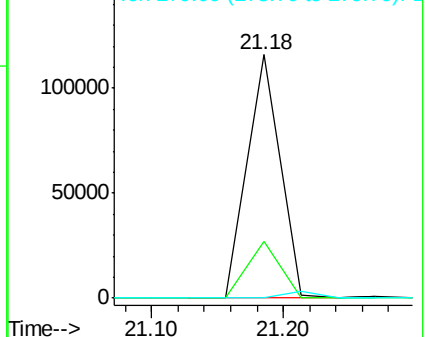
279 0.0 0.0 0.0

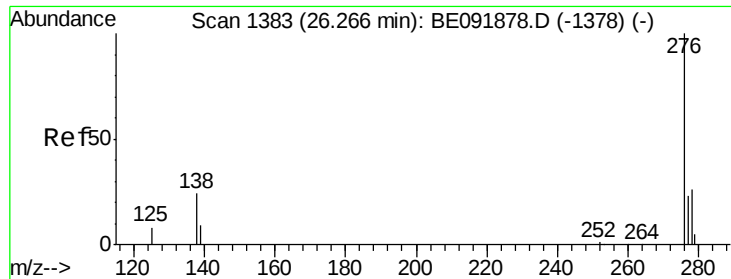


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.22 ng

RT: 26.29 min Scan# 1384

Delta R.T. 0.02 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

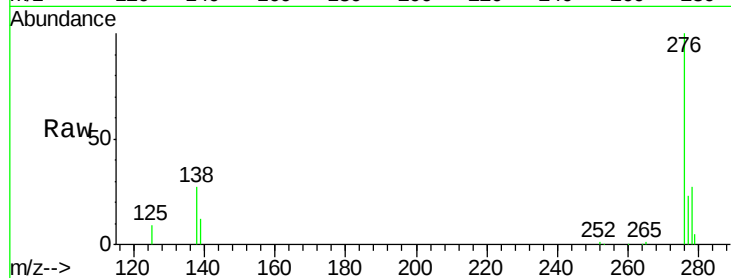
Tot Ion:276 Resp: 295274

Ion Ratio Lower Upper

276 100

138 25.3 19.7 29.5

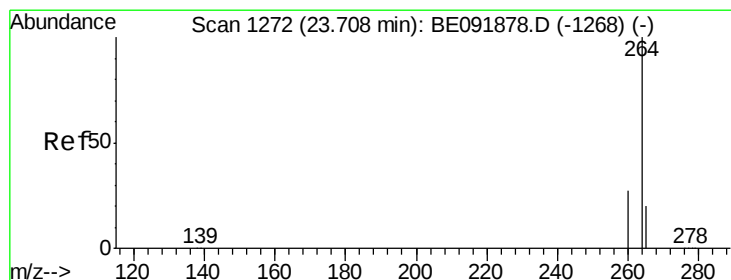
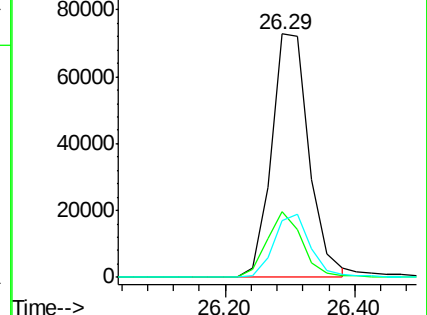
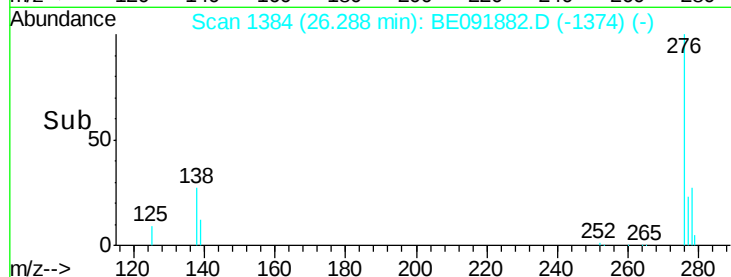
277 0.0 20.1 30.1#



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: BE091882.D

Acq: 7 Jun 2016 14:07

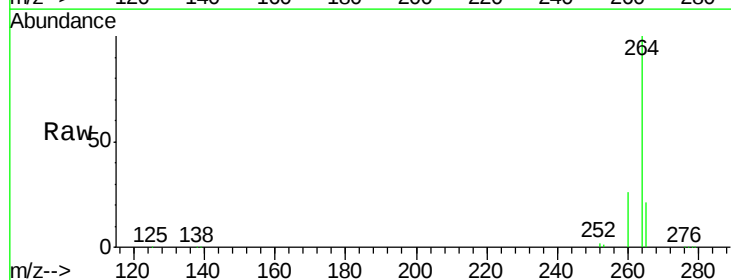
Tgt Ion:264 Resp: 230107

Ion Ratio Lower Upper

264 100

260 25.5 20.3 30.5

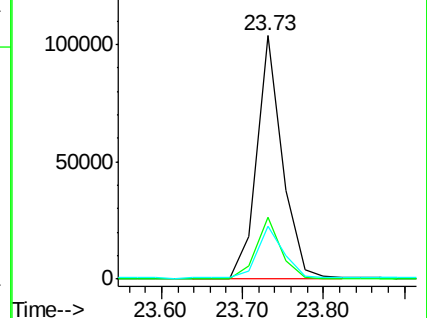
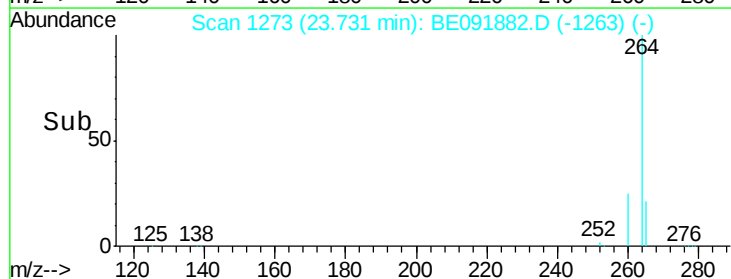
265 21.5 17.6 26.4

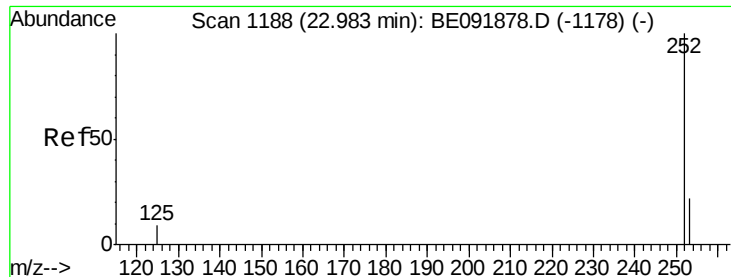


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 4.50 ng

RT: 22.99 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

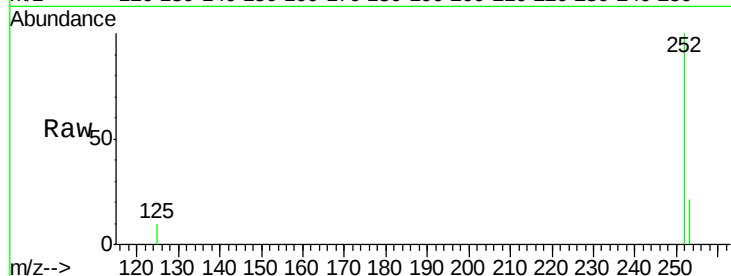
Tot Ion:252 Resp: 279168

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

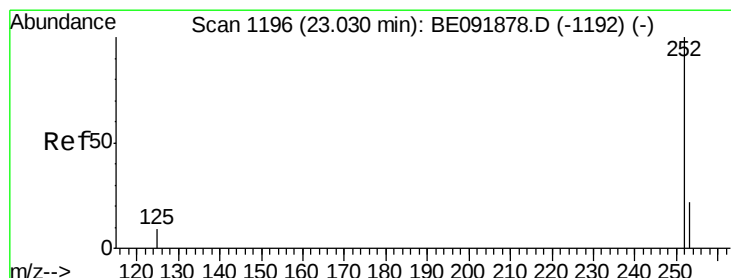
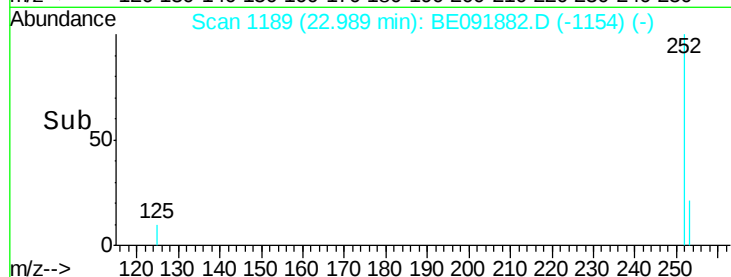
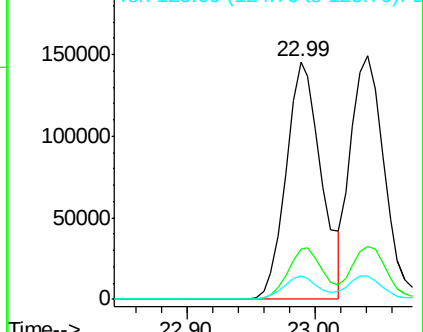
125 9.9 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 4.92 ng

RT: 23.04 min Scan# 1198

Delta R.T. 0.01 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

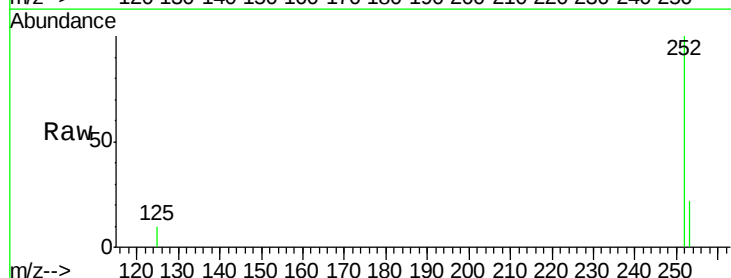
Tgt Ion:252 Resp: 277418

Ion Ratio Lower Upper

252 100

253 21.8 19.4 29.2

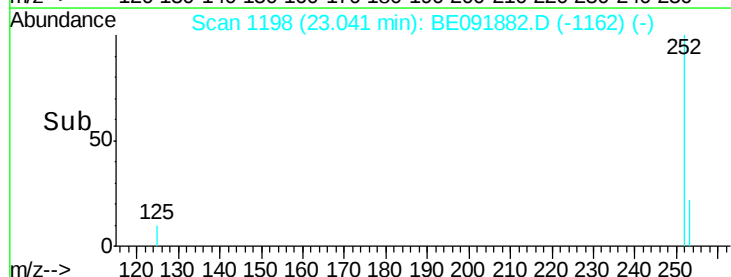
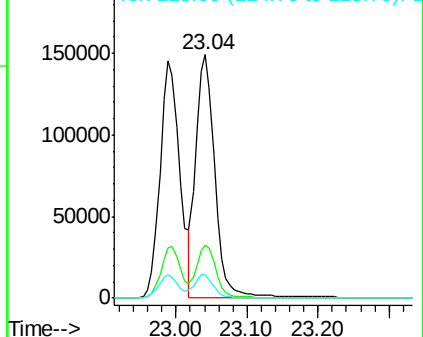
125 9.8 8.3 12.5

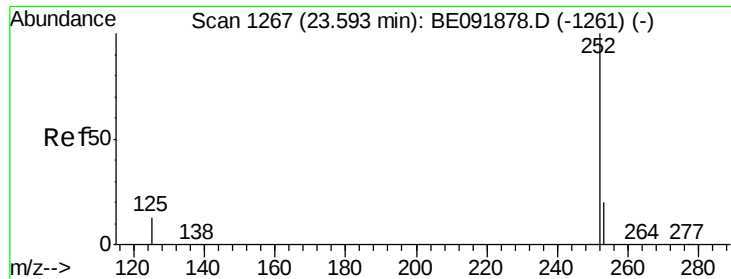


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 4.58 ng

RT: 23.62 min Scan# 1268

Delta R.T. 0.02 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

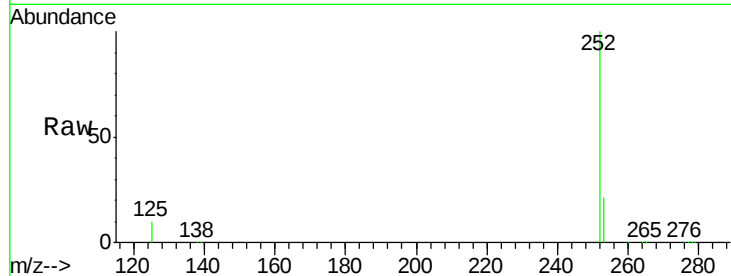
Tot Ion:252 Resp: 257850

Ion Ratio Lower Upper

252 100

253 21.5 18.9 28.3

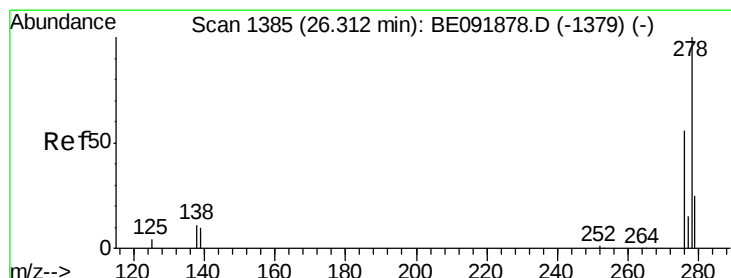
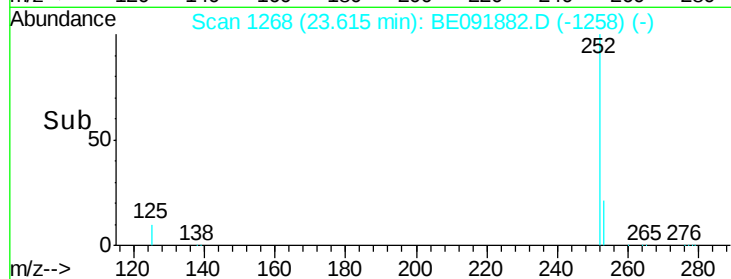
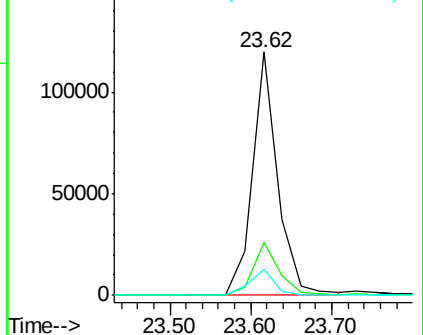
125 10.5 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 4.68 ng

RT: 26.31 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

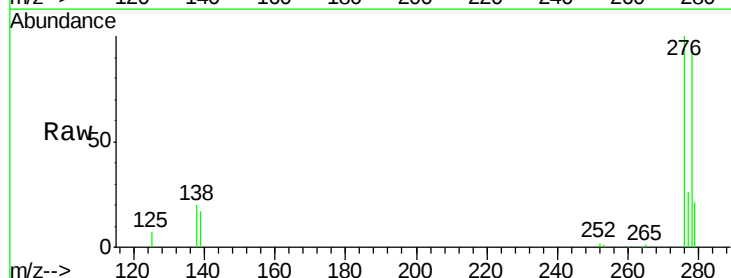
Tgt Ion:278 Resp: 252122

Ion Ratio Lower Upper

278 100

139 18.3 12.6 18.8

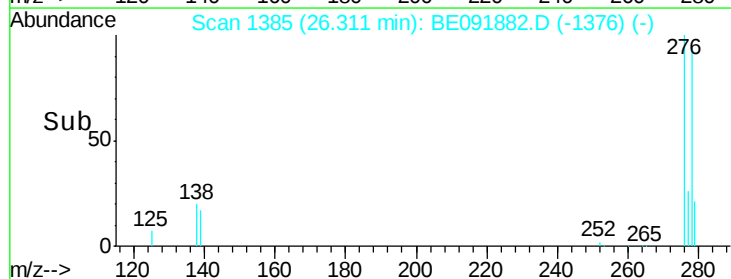
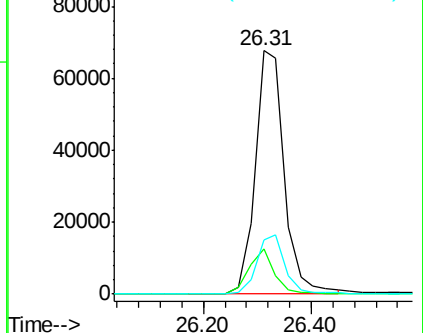
279 22.1 20.0 30.0

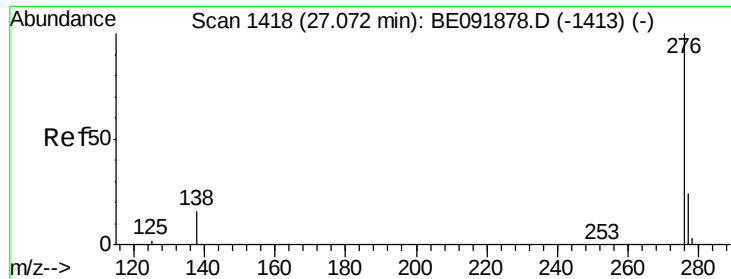


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.57 ng

RT: 27.09 min Scan# 1419

Delta R.T. 0.02 min

Lab File: BE091882.D

Acq: 7 Jun 2016 14:07

Instrument :

BNA_E

ClientSampleId :

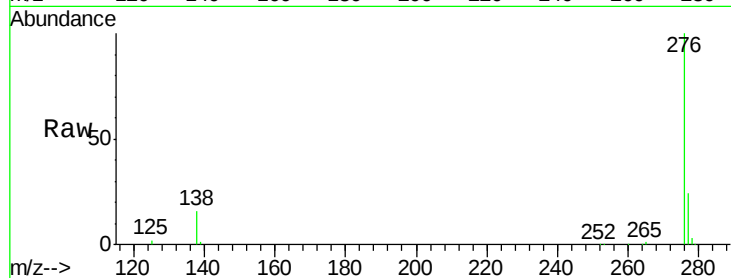
Tot Ion: 276 Resp: 250194

Ion Ratio Lower Upper

276 100

277 24.0 19.5 29.3

138 16.1 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

