

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091895.D
 Acq On : 8 Jun 2016 3:11
 Operator : UM/SJ
 Sample : PB91033BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91033BS

Quant Time: Jun 08 14:38:48 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:06:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	22673	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	97455	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	57354	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	145632	5.00	ng	0.00
31) Chrysene-d12	21.27	240	143342	5.00	ng	-0.03
40) Perylene-d12	23.71	264	187510	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	34156	7.06	ng	0.00
5) Phenol-d6	6.94	99	48340	8.07	ng	-0.02
9) Nitrobenzene-d5	8.91	82	31076	4.24	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	16329	9.99	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	68889	3.96	ng	0.00
34) Terphenyl-d14	19.74	244	119752	-5.00	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	8894	2.96	ng	90
3) n-Nitrosodimethylamine	3.61	42	12909	3.40	ng	99
6) bis(2-Chloroethyl)ether	7.20	93	23025	3.55	ng	98
7) n-Nitroso-di-n-propylamine	8.54	70	19030	3.71	ng	# 93
10) Nitrobenzene	8.96	77	26253	3.93	ng	# 66
11) bis(2-Chloroethoxy)methane	9.95	93	38036	3.85	ng	# 39
12) Naphthalene	10.59	128	78224	3.72	ng	98
13) Hexachlorobutadiene	10.88	225	11584	3.70	ng	99
14) 2-Methylnaphthalene	12.20	142	55795	4.11	ng	99
18) Acenaphthylene	14.10	152	96515	3.72	ng	# 91
19) 2,6-Dinitrotoluene	13.96	165	15683	4.04	ng	96
20) Acenaphthene	14.44	154	64760	4.08	ng	92
21) 2,4-Dinitrotoluene	14.76	165	18114	4.08	ng	# 1
22) Fluorene	15.42	166	75969	3.92	ng	100
23) 4-Chlorophenyl-phenylether	15.42	204	36196	3.80	ng	97
25) 4-Bromophenyl-phenylether	16.31	248	21472	4.10	ng	96
26) Hexachlorobenzene	16.44	284	22397	4.18	ng	98
27) Pentachlorophenol	16.78	266	23911	8.03	ng	93
28) Phenanthrene	17.16	178	138239	4.10	ng	99
29) Anthracene	17.25	178	131499	4.38	ng	100
30) Fluoranthene	19.17	202	170891	4.69	ng	98
32) Benzidine	19.36	184	65969	5.69	ng	# 94
33) Pyrene	19.53	202	186511	5.16	ng	99
35) Benzo(a)anthracene	21.27	228	844261m	4.92	ng	
36) 3,3'-Dichlorobenzidine	21.21	252	49961	4.32	ng	# 99
37) Chrysene	21.30	228	232609m	1.59	ng	
38) Bis(2-ethylhexyl)phthalate	21.19	149	76455	2.95	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	205310	4.70	ng	# 75
41) Benzo(b)fluoranthene	22.97	252	192568	4.20	ng	98
42) Benzo(k)fluoranthene	23.02	252	200356	4.21	ng	95
43) Benzo(a)pyrene	23.59	252	186775	4.35	ng	# 95
44) Dibenzo(a,h)anthracene	26.29	278	175442	4.38	ng	# 93
45) Benzo(a,h,i)perylene	27.05	276	176456	4.20	ng	# 93

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QLast Update : Wed Jun 08 14:06:06 2016
Response via : Initial Calibration

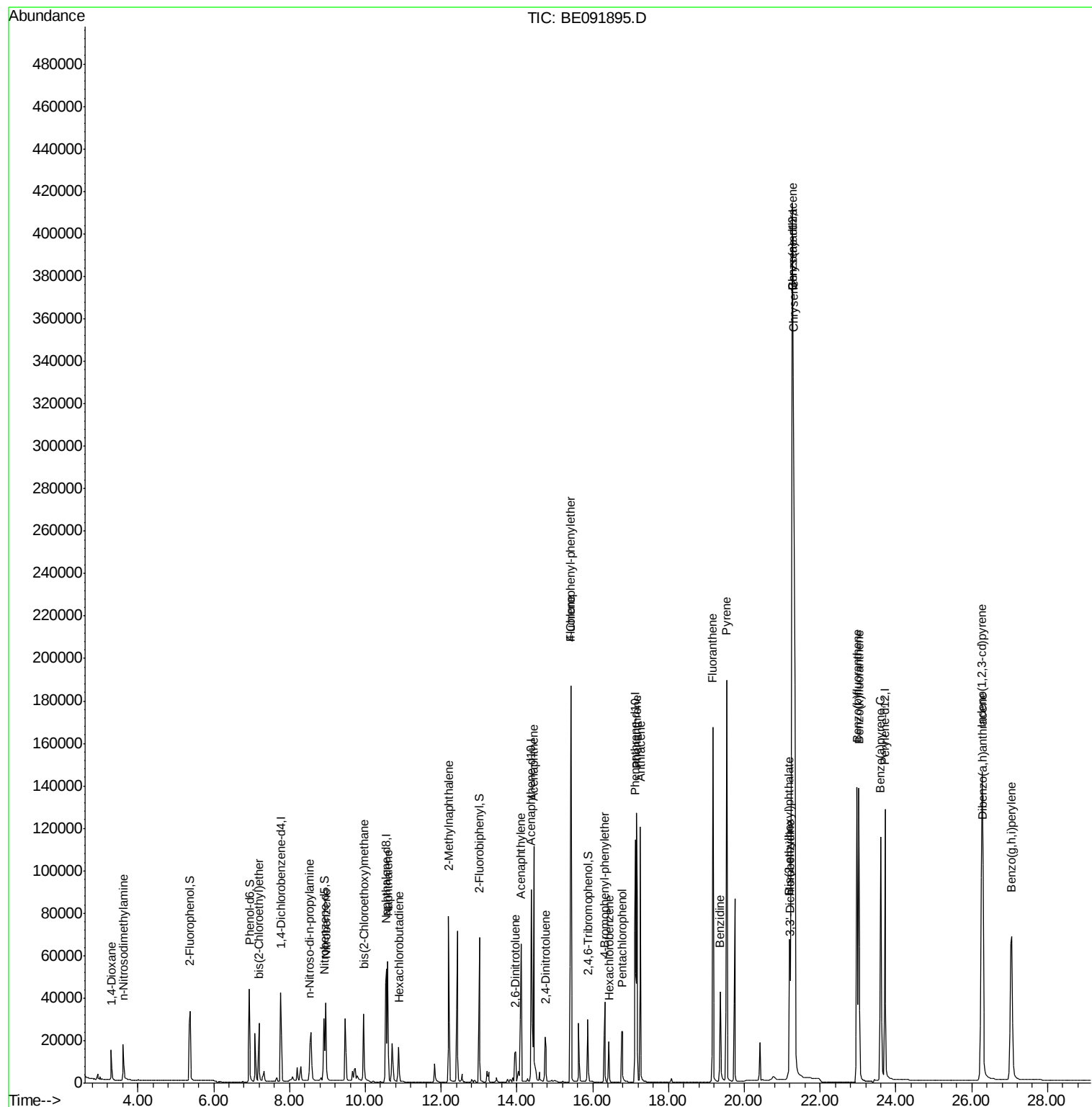
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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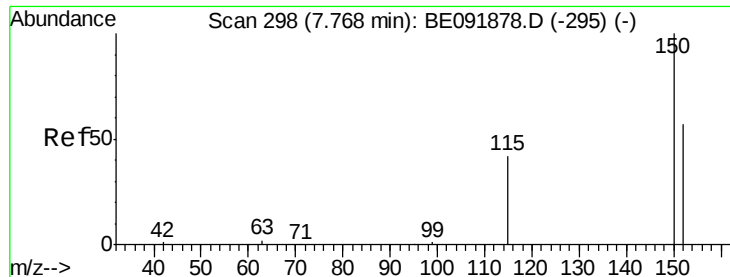
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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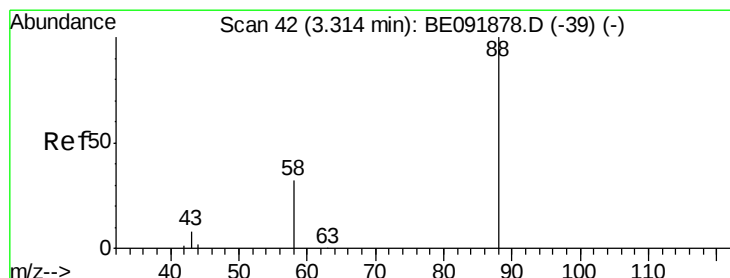
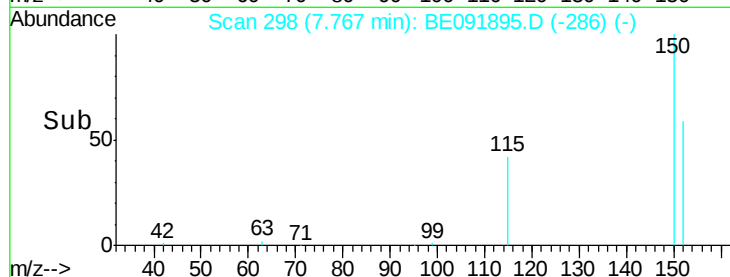
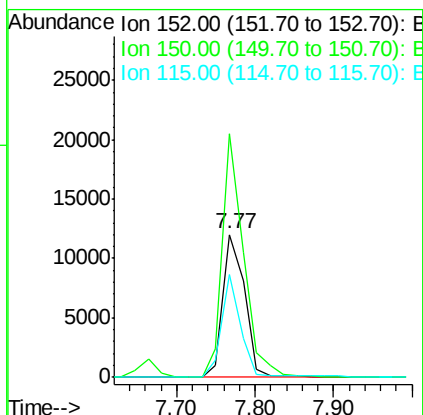
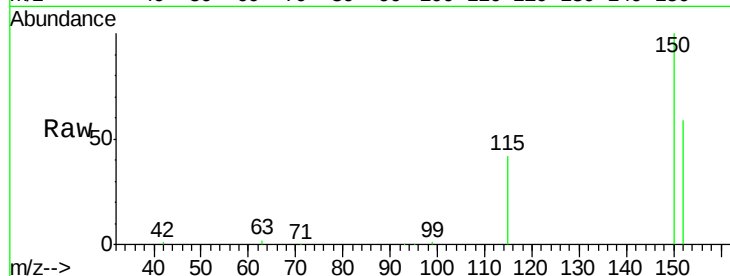


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. -0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Instrument :
BNA_E
ClientSampleId :
PB91033BS

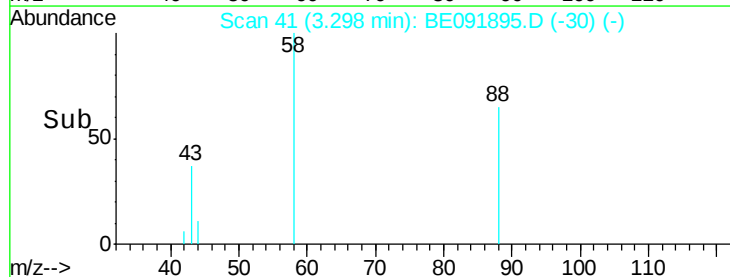
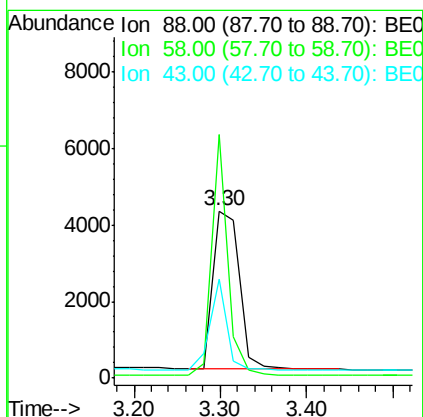
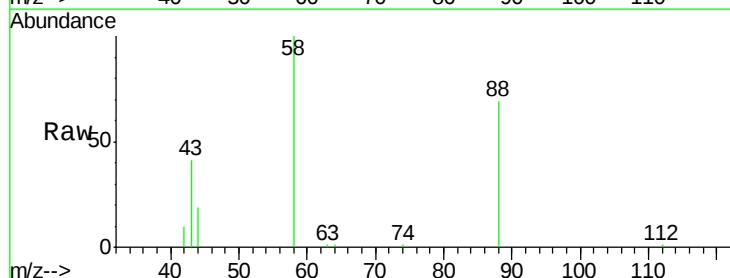
Tot Ion:152 Resp: 22673
Ion Ratio Lower Upper
152 100
150 170.5 123.9 185.9
115 72.4 48.3 72.5

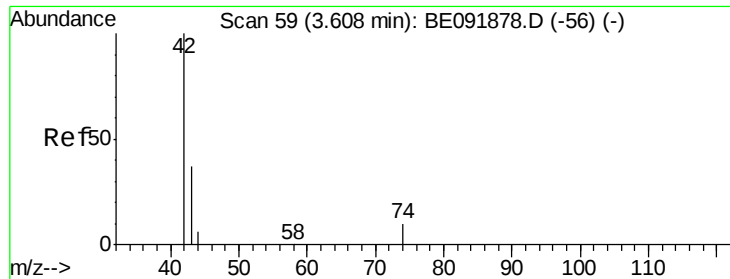


#2

1,4-Dioxane
Concen: 2.96 ng
RT: 3.30 min Scan# 41
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Tgt Ion: 88 Resp: 8894
Ion Ratio Lower Upper
88 100
58 91.8 63.0 94.4
43 36.9 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 3.40 ng

RT: 3.61 min Scan# 59

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

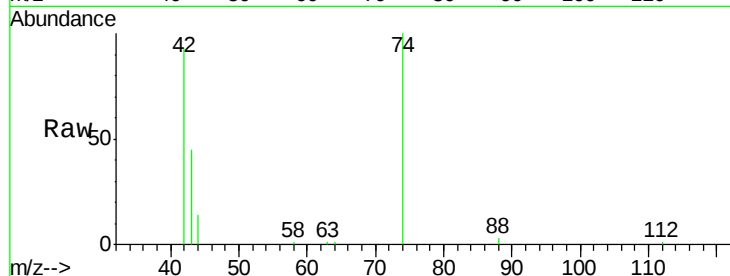
Tot Ion: 42 Resp: 12909

Ion Ratio Lower Upper

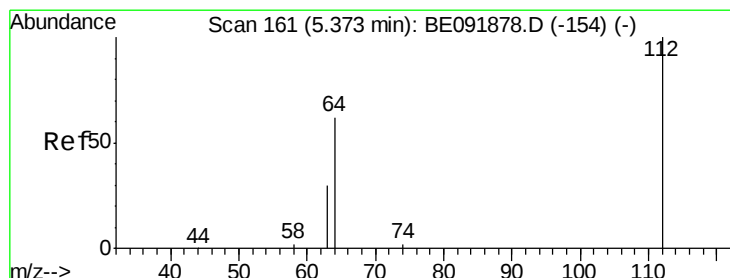
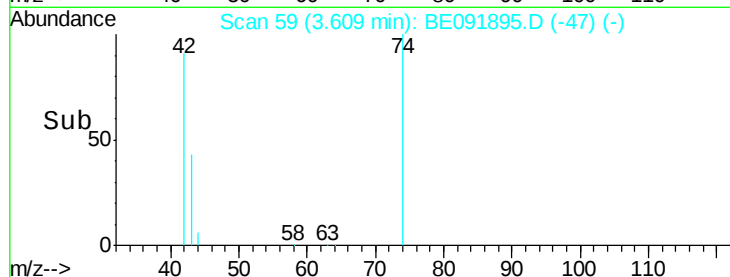
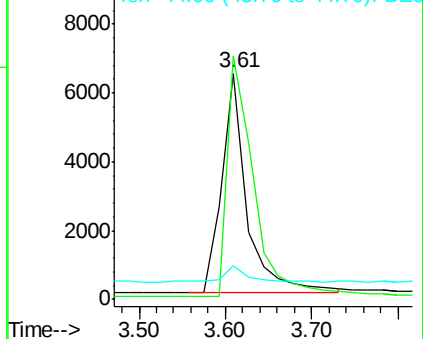
42 100

74 116.1 93.4 140.0

44 6.7 5.0 7.6



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



#4

2-Fluorophenol

Concen: 7.06 ng

RT: 5.37 min Scan# 161

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

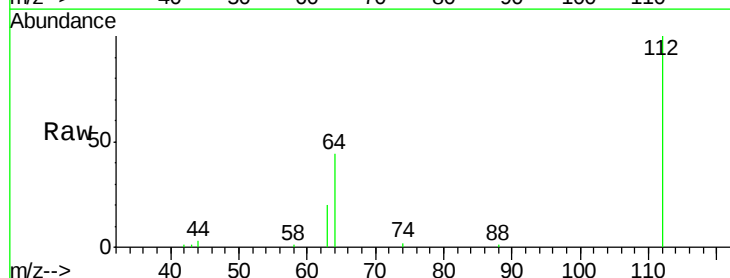
Tgt Ion: 112 Resp: 34156

Ion Ratio Lower Upper

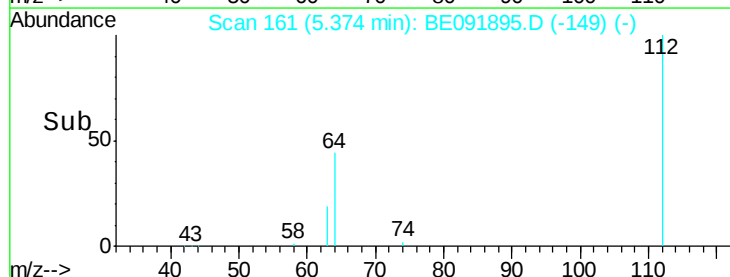
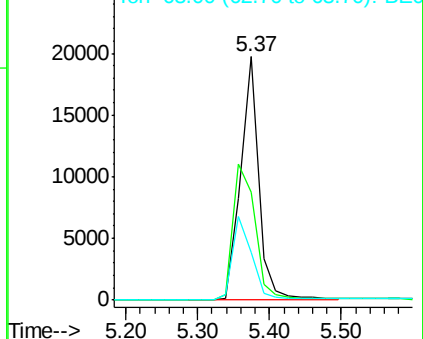
112 100

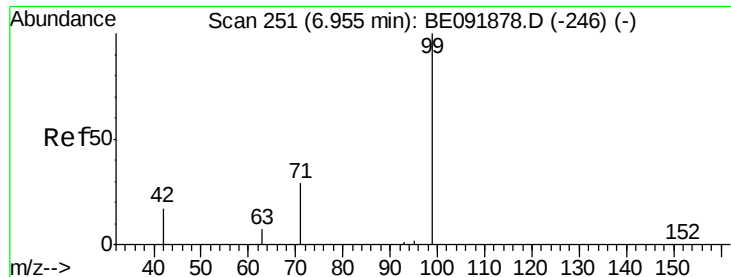
64 66.9 53.7 80.5

63 36.1 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: 8.07 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

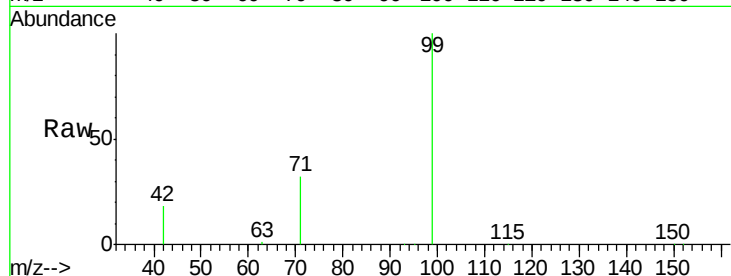
Tot Ion: 99 Resp: 48340

Ion Ratio Lower Upper

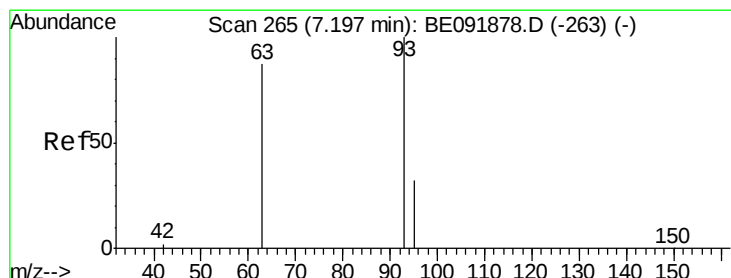
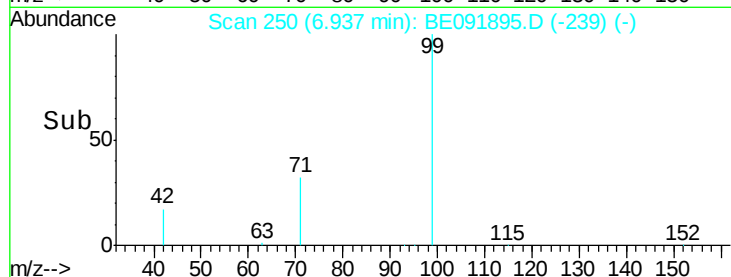
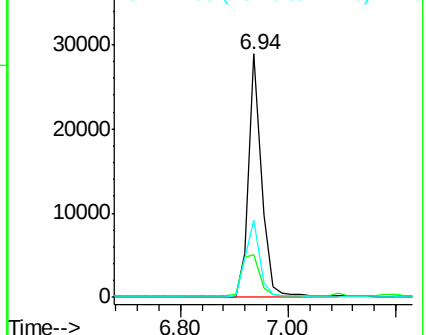
99 100

42 24.4 19.6 29.4

71 34.8 28.1 42.1



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



#6

bis(2-Chloroethyl)ether

Concen: 3.55 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

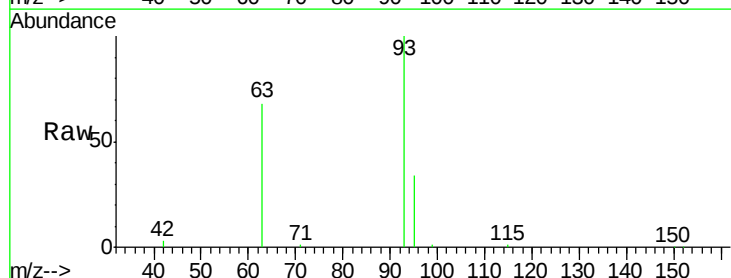
Tgt Ion: 93 Resp: 23025

Ion Ratio Lower Upper

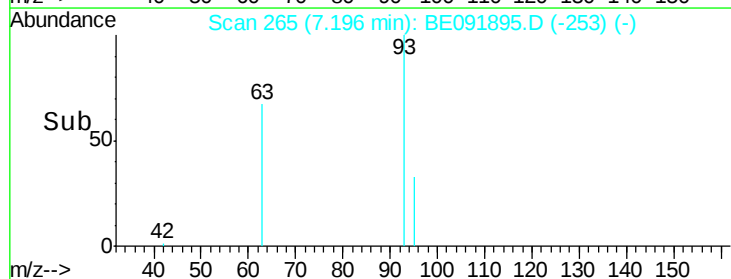
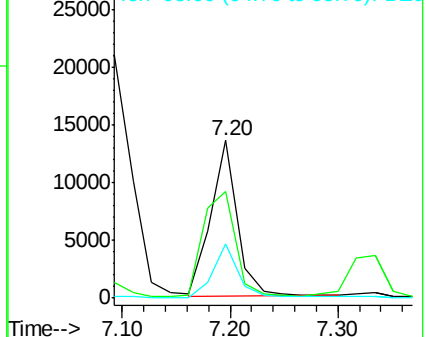
93 100

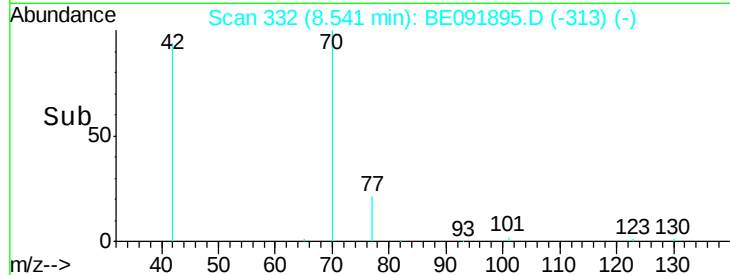
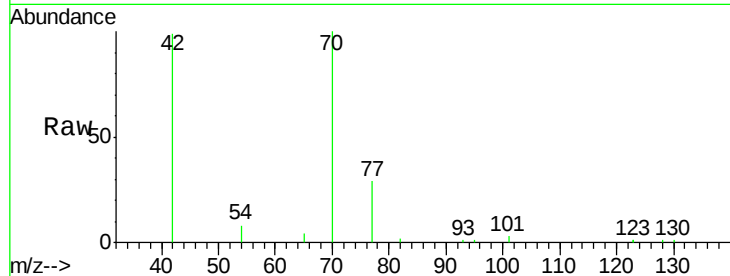
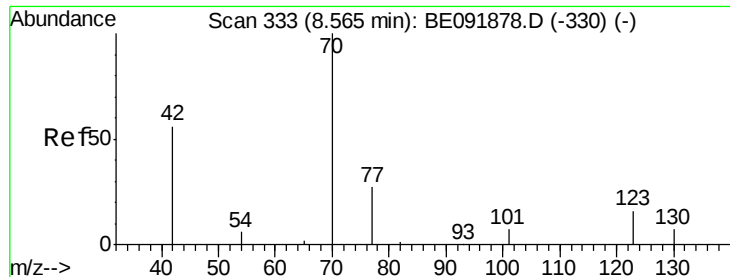
63 84.6 66.2 99.4

95 32.3 25.5 38.3



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





#7

n-Nitroso-di-n-propylamine

Concen: 3.71 ng

RT: 8.54 min Scan# 332

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

Tot Ion: 70 Resp: 19030

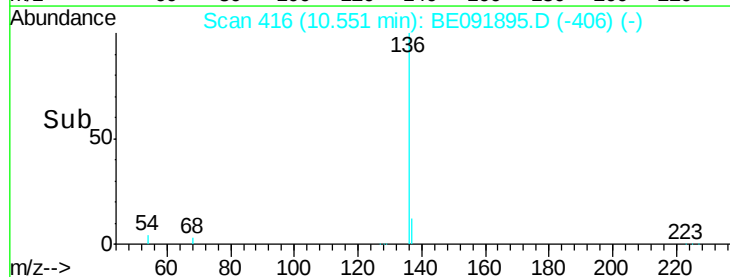
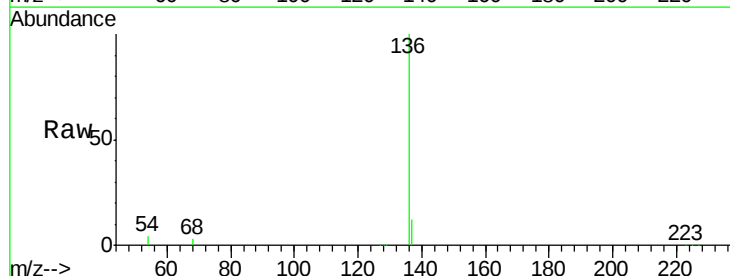
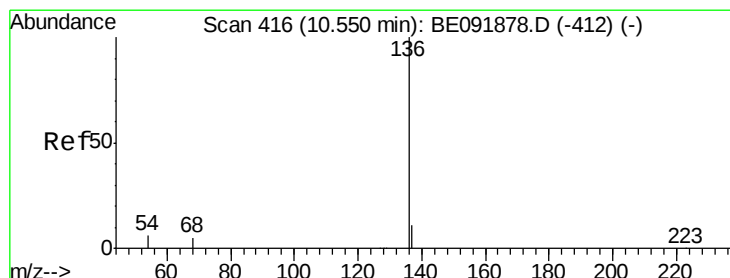
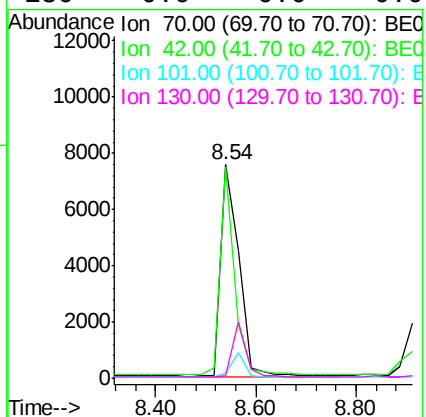
Ion Ratio Lower Upper

70 100

42 77.6 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: BE091895.D

Acq: 8 Jun 2016 3:11

Tgt Ion: 136 Resp: 97455

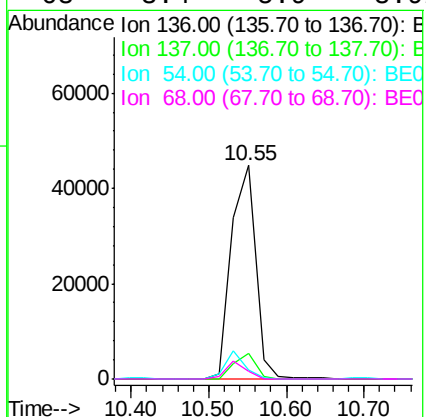
Ion Ratio Lower Upper

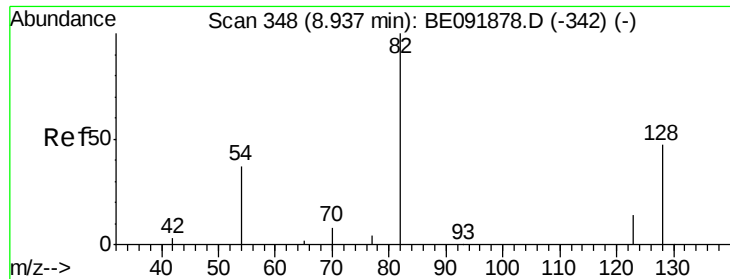
136 100

137 12.1 8.3 12.5

54 4.0 8.2 12.4#

68 3.4 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.24 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

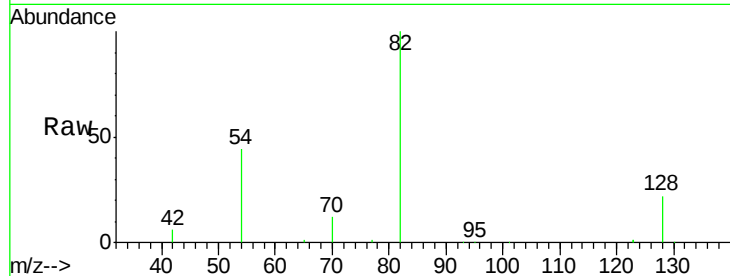
Tot Ion: 82 Resp: 31076

Ion Ratio Lower Upper

82 100

128 22.2 39.5 59.3#

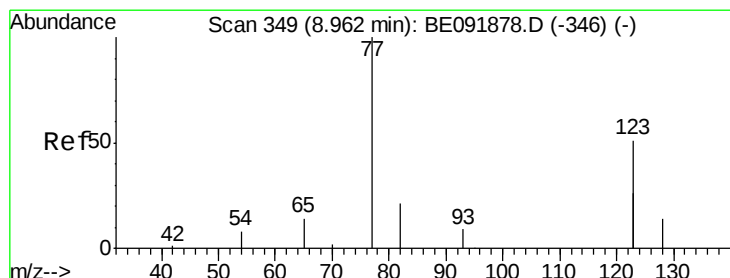
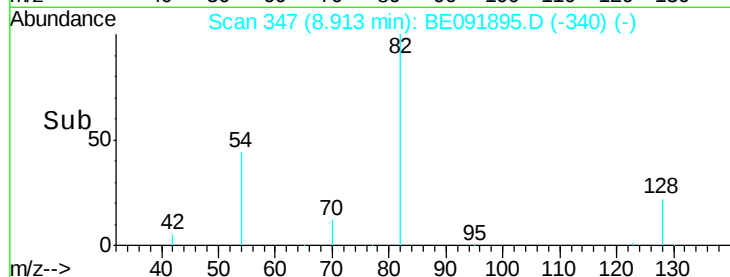
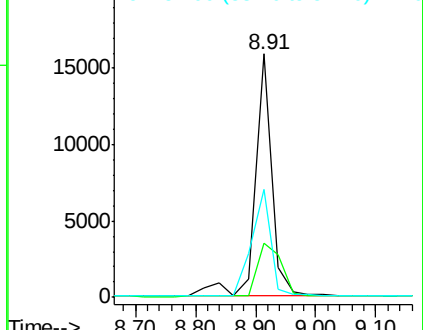
54 44.3 30.3 45.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 3.93 ng

RT: 8.96 min Scan# 349

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

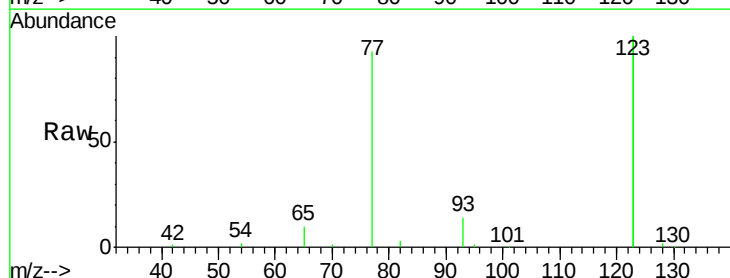
Tgt Ion: 77 Resp: 26253

Ion Ratio Lower Upper

77 100

123 164.2 0.0 0.0#

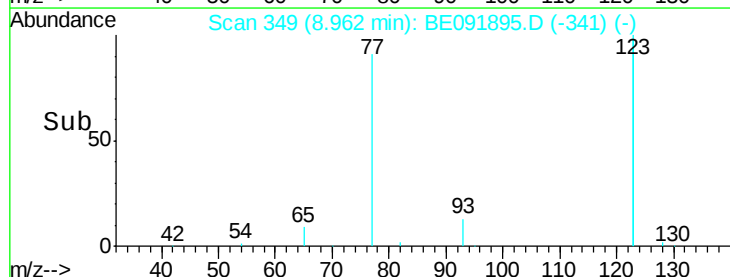
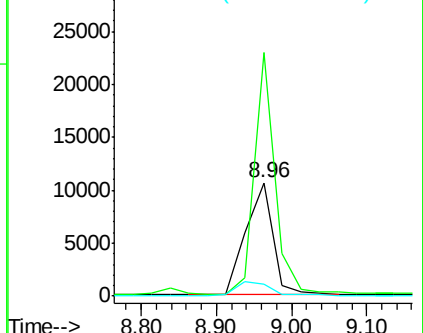
65 0.0 11.1 16.7#

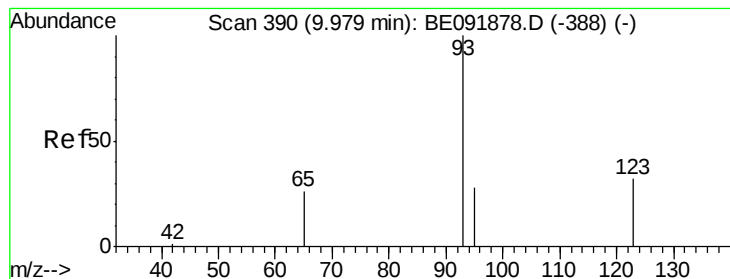


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#11

bis(2-Chloroethoxy)methane

Concen: 3.85 ng

RT: 9.95 min Scan# 389

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

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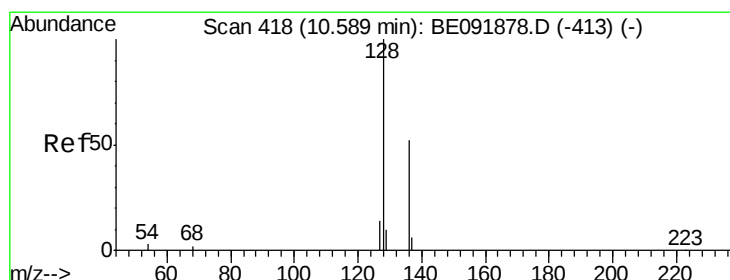
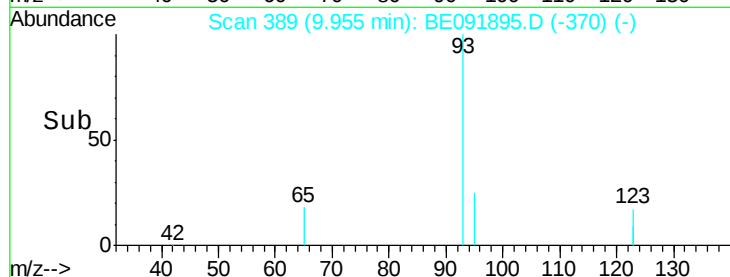
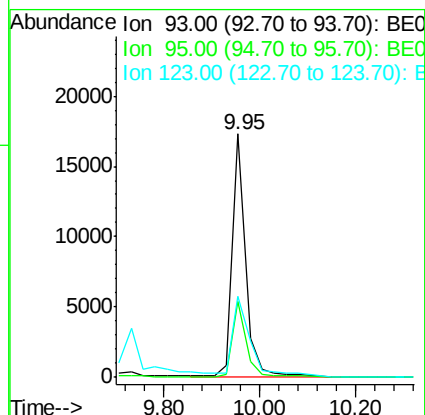
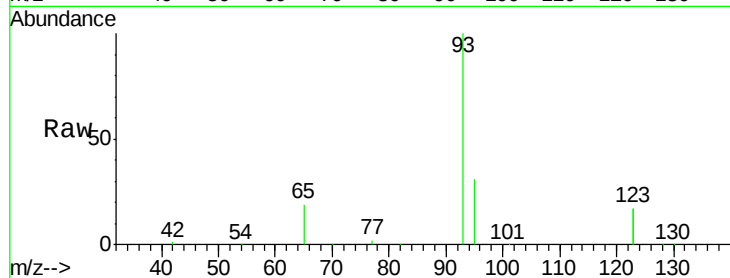
Tot Ion: 93 Resp: 38036

Ion Ratio Lower Upper

93 100

95 33.7 57.6 86.4#

123 46.5 100.2 150.4#



#12

Naphthalene

Concen: 3.72 ng

RT: 10.59 min Scan# 418

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

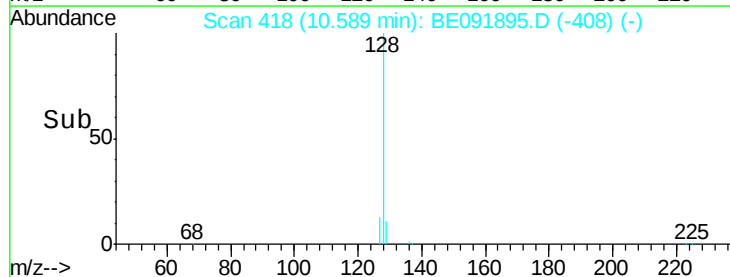
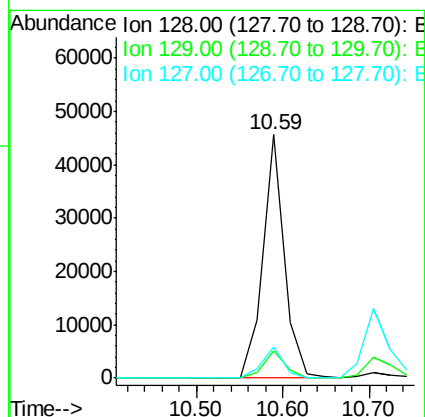
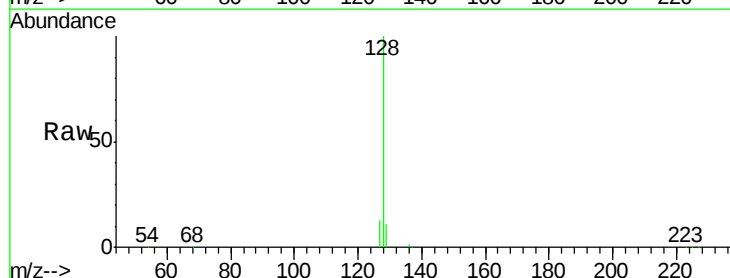
Tgt Ion: 128 Resp: 78224

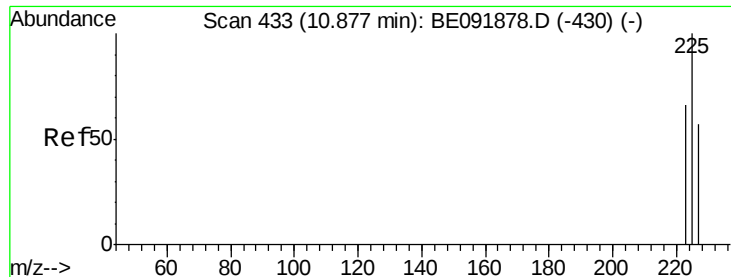
Ion Ratio Lower Upper

128 100

129 11.2 10.4 15.6

127 12.7 10.2 15.2

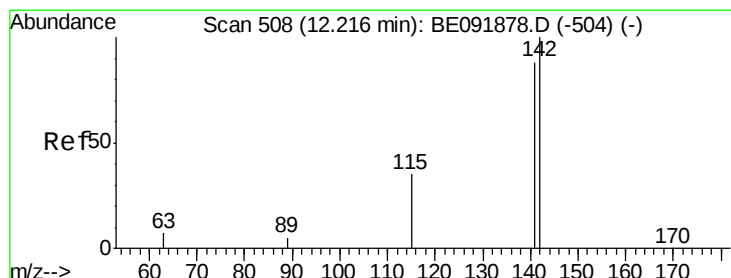
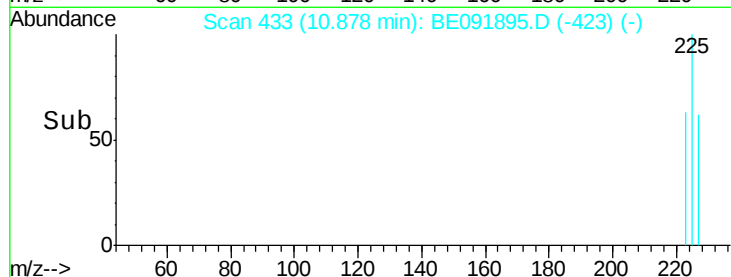
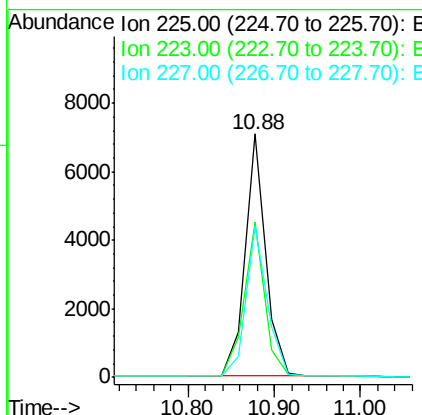
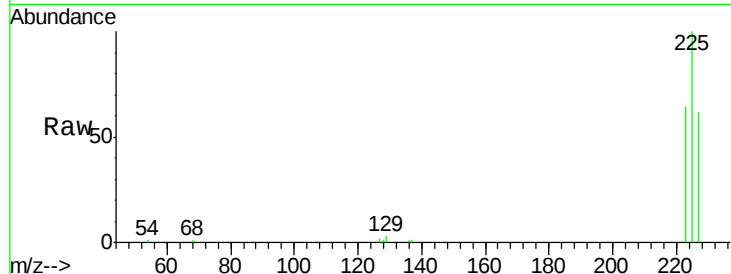




#13
Hexachlorobutadiene
Concen: 3.70 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

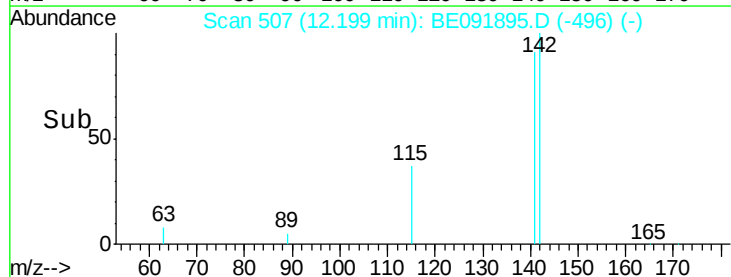
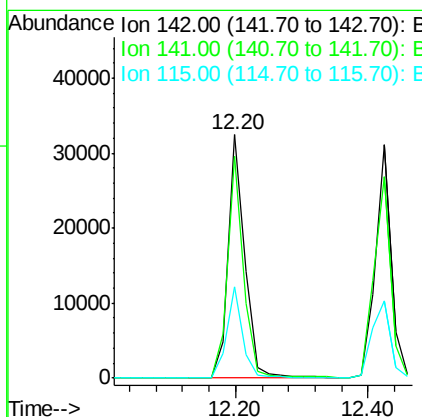
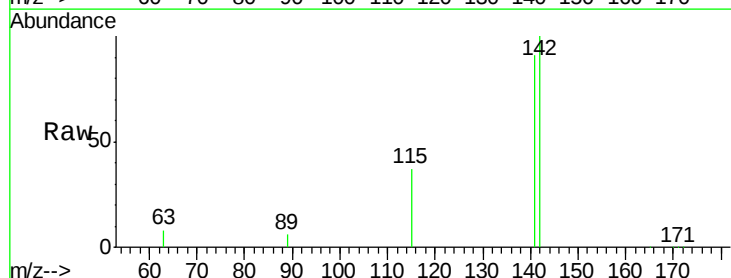
Instrument :
BNA_E
ClientSampleId :
PB91033BS

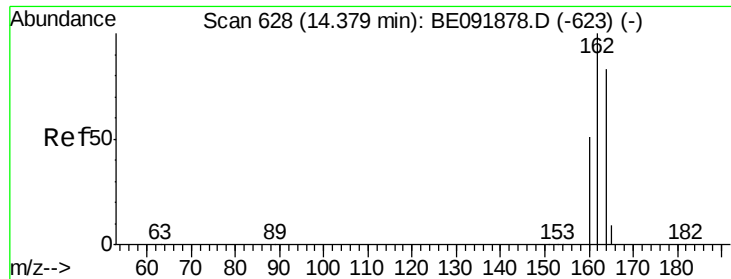
Tot Ion:225 Resp: 11584
Ion Ratio Lower Upper
225 100
223 63.7 49.8 74.8
227 64.1 50.6 75.8



#14
2-Methylnaphthalene
Concen: 4.11 ng
RT: 12.20 min Scan# 507
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Tgt Ion:142 Resp: 55795
Ion Ratio Lower Upper
142 100
141 90.9 71.9 107.9
115 37.4 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: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

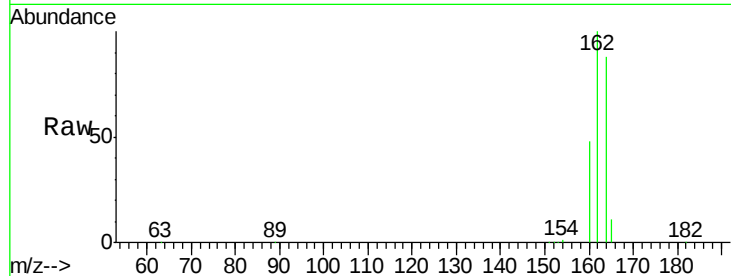
Tot Ion:164 Resp: 57354

Ion Ratio Lower Upper

164 100

162 113.8 71.8 107.8#

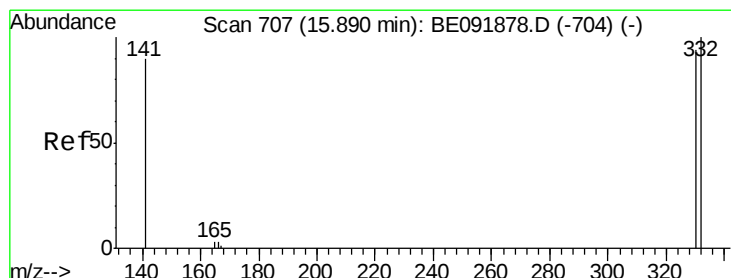
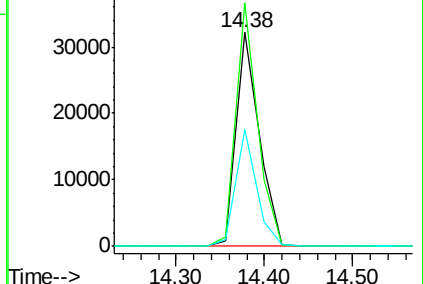
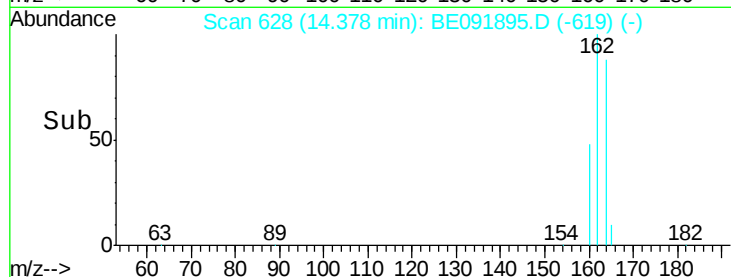
160 54.6 28.0 42.0#



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: 9.99 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

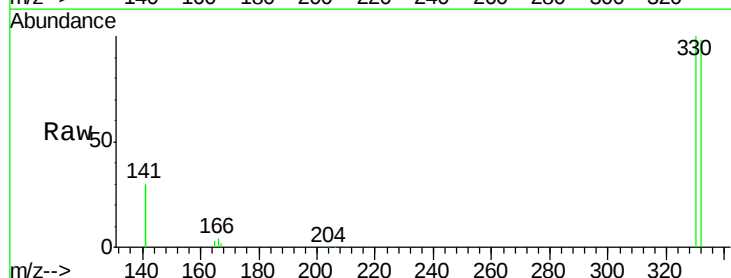
Tgt Ion:330 Resp: 16329

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

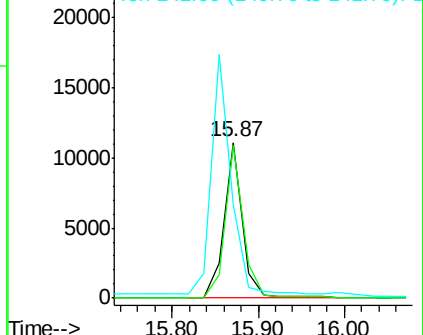
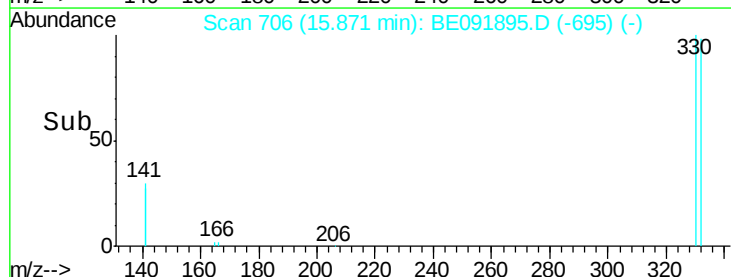
141 165.5 138.4 207.6

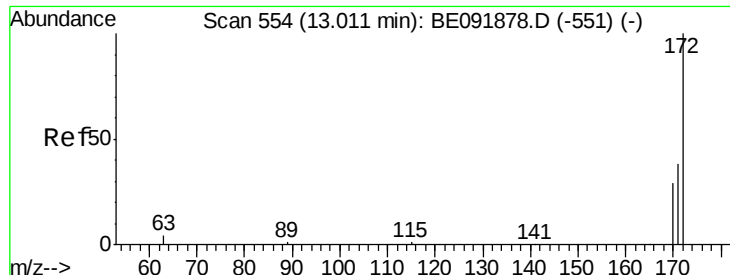


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

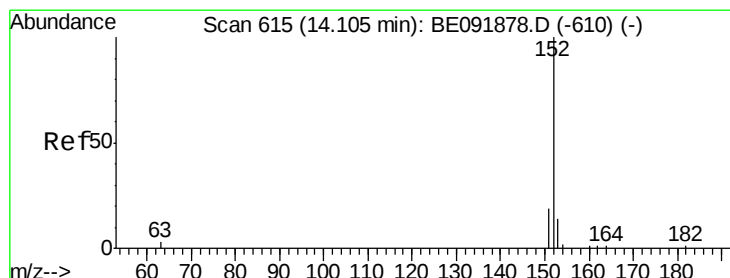
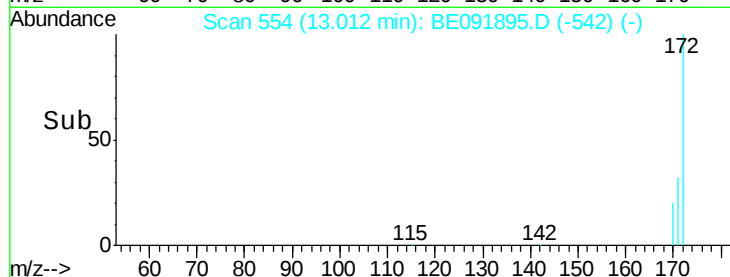
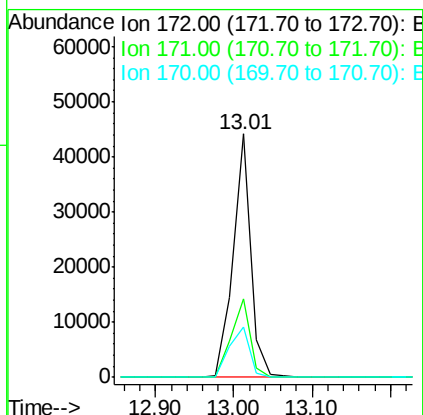
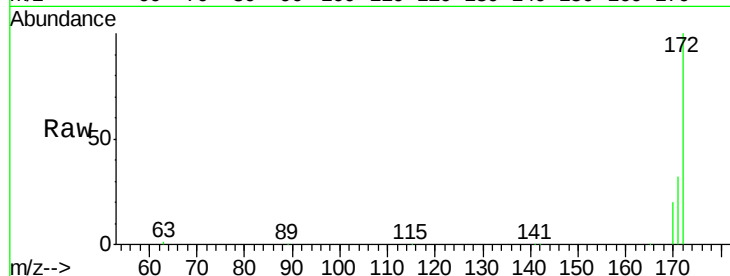




#17
2-Fluorobiphenyl
Concen: 3.96 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

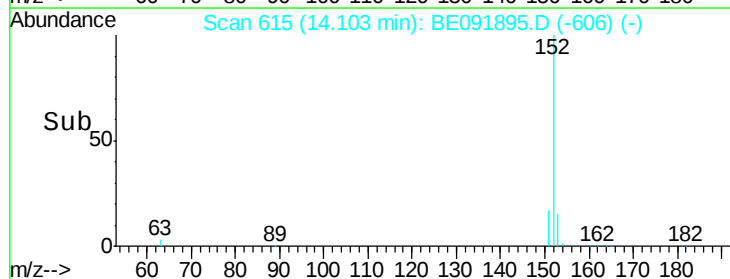
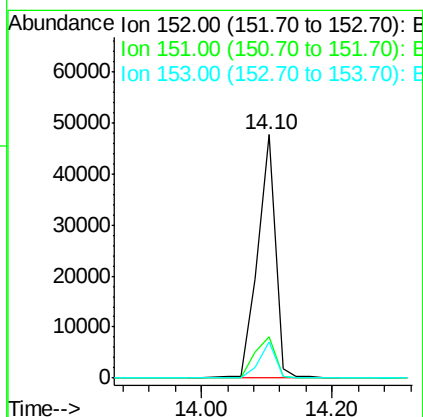
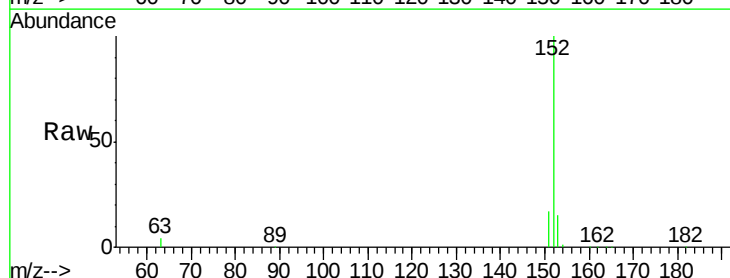
Instrument :
BNA_E
ClientSampleId :
PB91033BS

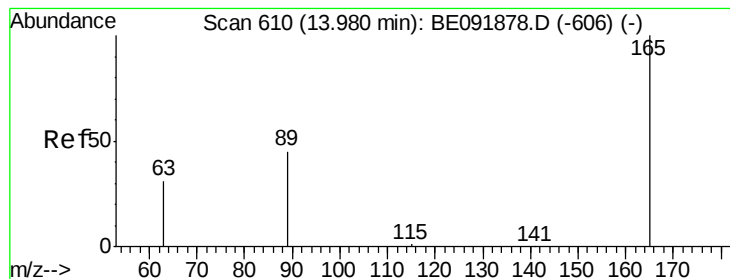
Tot Ion:172 Resp: 68889
Ion Ratio Lower Upper
172 100
171 32.4 24.3 36.5
170 20.5 14.9 22.3



#18
Acenaphthylene
Concen: 3.72 ng
RT: 14.10 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Tgt Ion:152 Resp: 96515
Ion Ratio Lower Upper
152 100
151 19.9 19.4 29.2
153 13.9 14.4 21.6#





#19

2,6-Dinitrotoluene

Concen: 4.04 ng

RT: 13.96 min Scan# 609

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

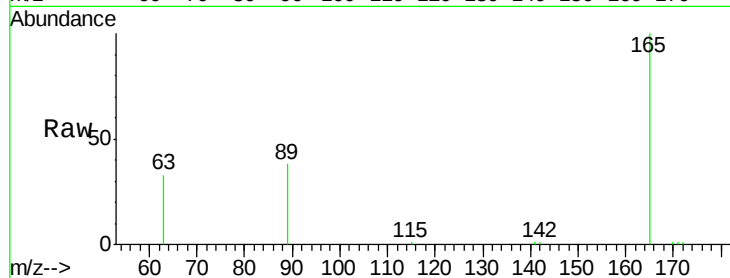
Tot Ion:165 Resp: 15683

Ion Ratio Lower Upper

165 100

63 81.1 65.9 98.9

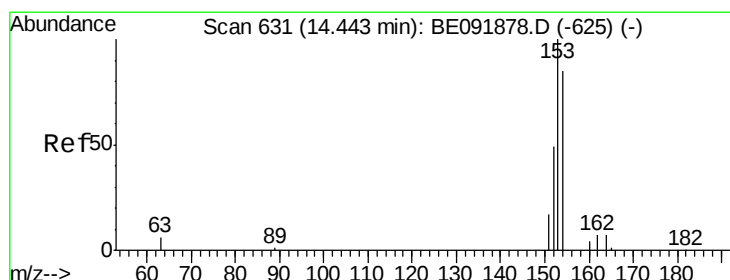
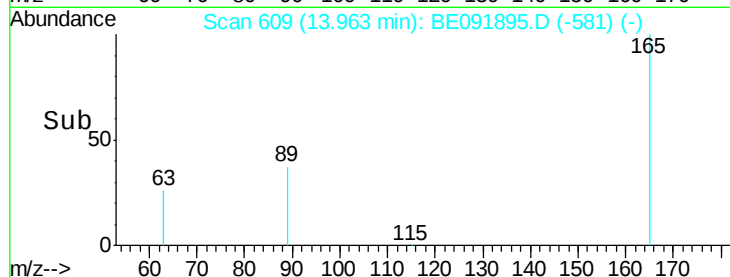
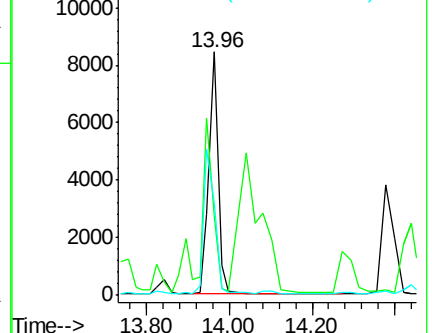
89 67.7 59.1 88.7



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: 4.08 ng

RT: 14.44 min Scan# 631

Delta R.T. -0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

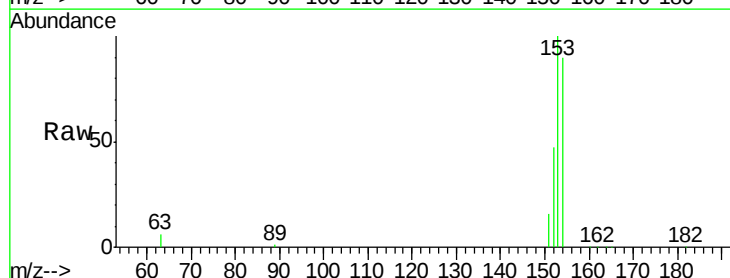
Tgt Ion:154 Resp: 64760

Ion Ratio Lower Upper

154 100

153 101.1 88.1 132.1

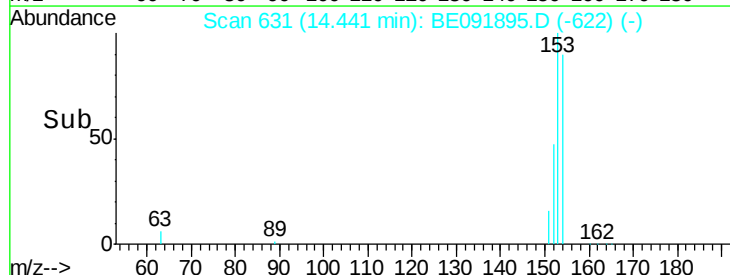
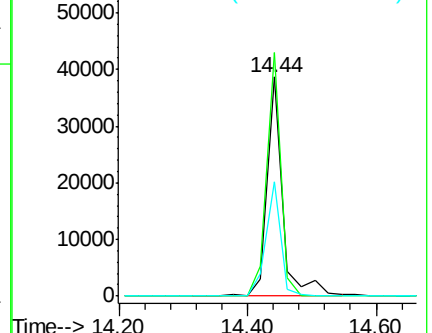
152 49.2 44.2 66.2

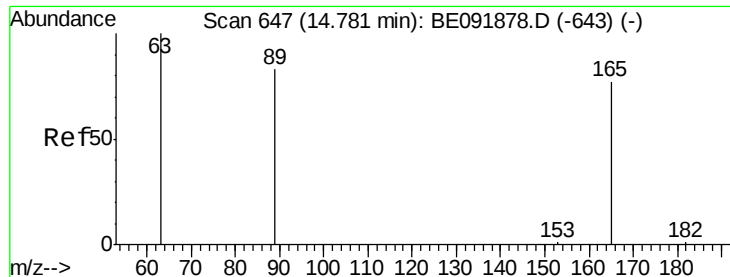


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

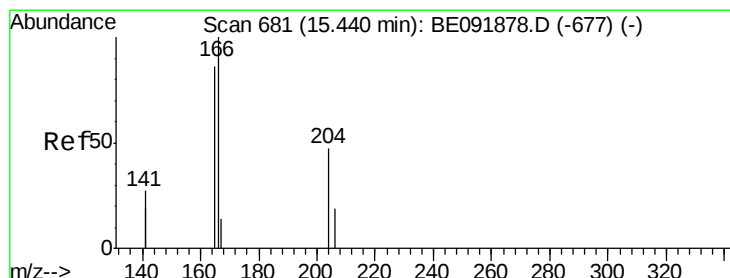
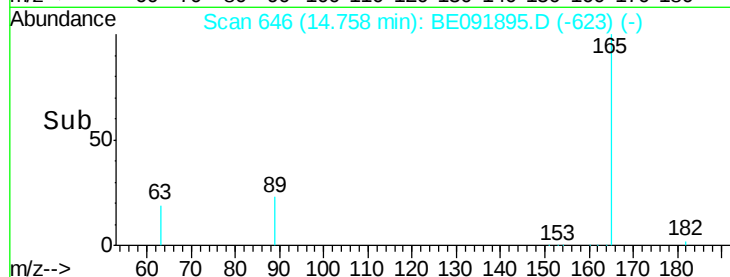
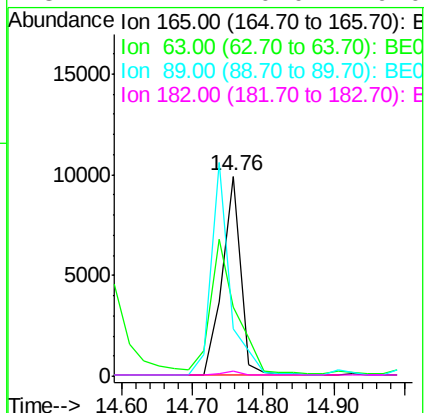
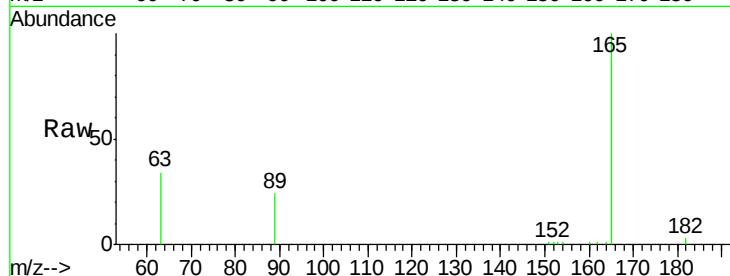




#21
2,4-Dinitrotoluene
Concen: 4.08 ng
RT: 14.76 min Scan# 646
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

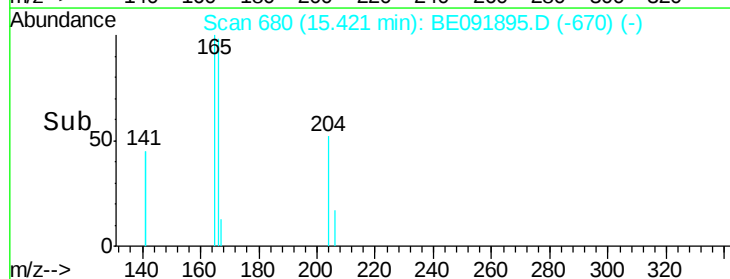
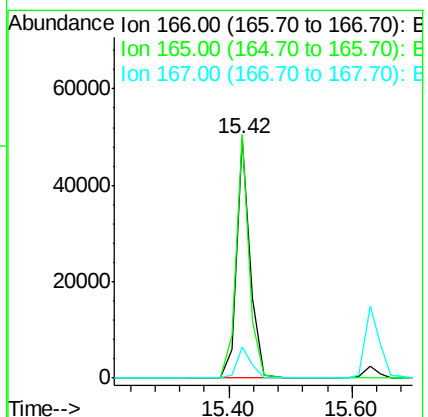
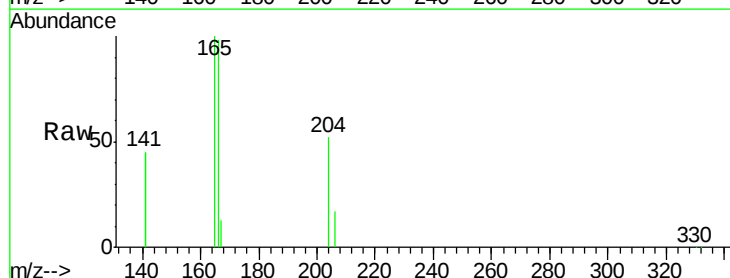
Instrument :
BNA_E
ClientSampleId :
PB91033BS

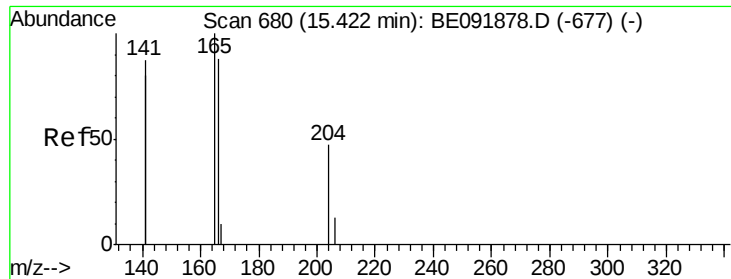
Tot Ion:165 Resp: 18114
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 2.2 0.0 0.0#



#22
Fluorene
Concen: 3.92 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Tgt Ion:166 Resp: 75969
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 13.6 10.8 16.2

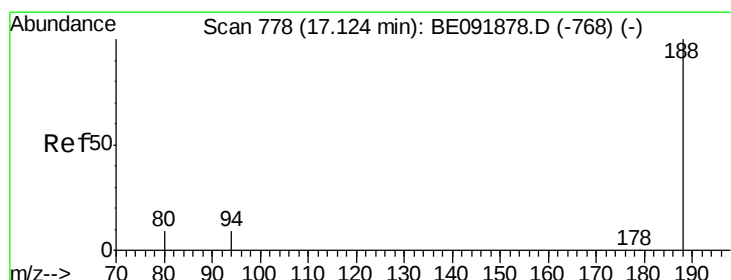
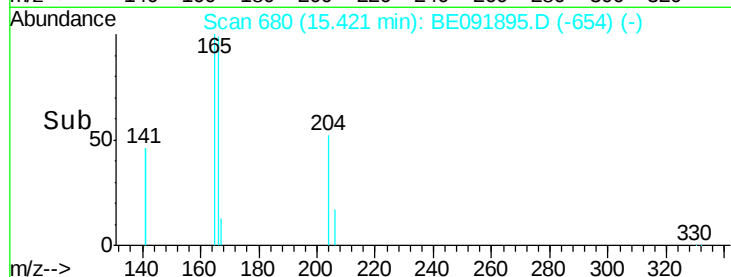
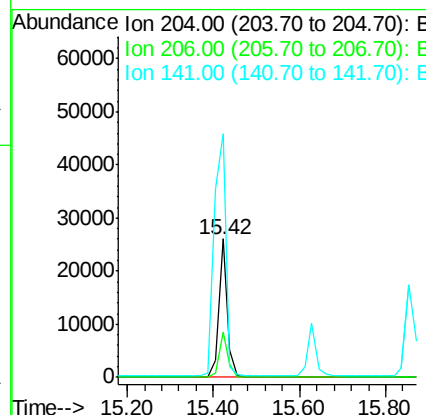
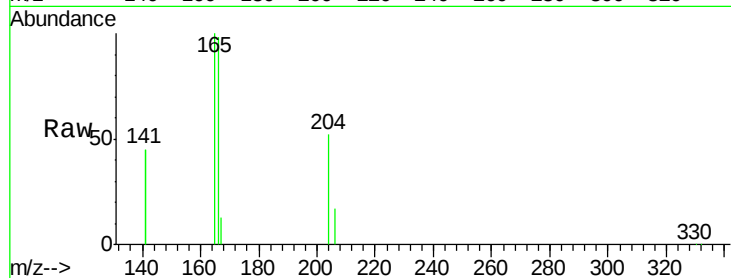




#23
4-Chlorophenyl-phenylether
Concen: 3.80 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

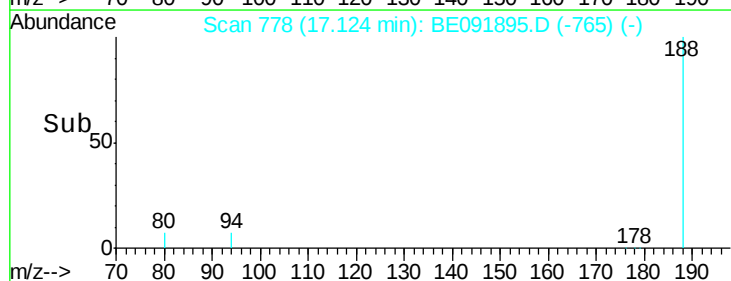
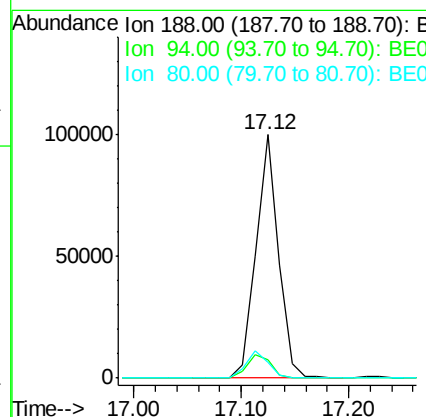
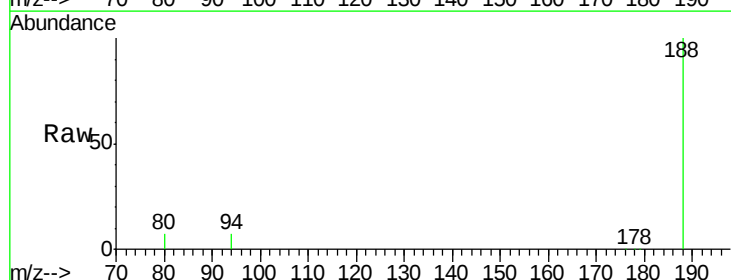
Instrument :
BNA_E
ClientSampleId :
PB91033BS

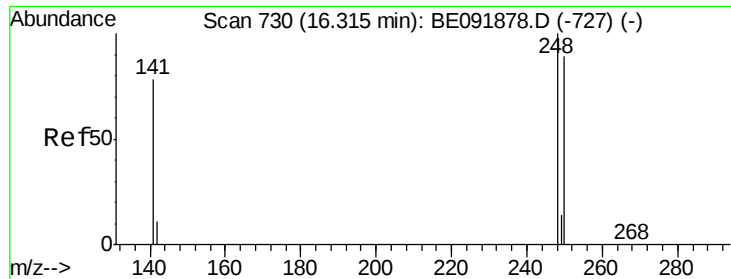
Tot Ion:204 Resp: 36196
Ion Ratio Lower Upper
204 100
206 34.1 27.8 41.6
141 241.9 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Tgt Ion:188 Resp: 145632
Ion Ratio Lower Upper
188 100
94 7.3 4.1 6.1#
80 6.7 3.4 5.2#

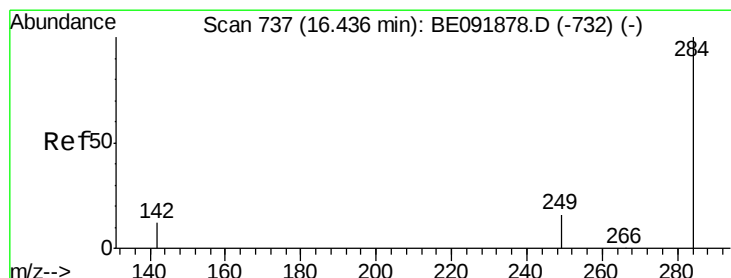
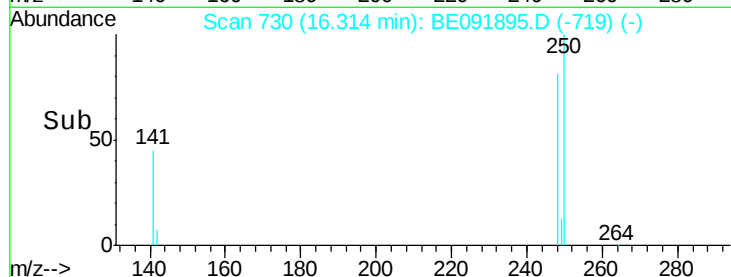
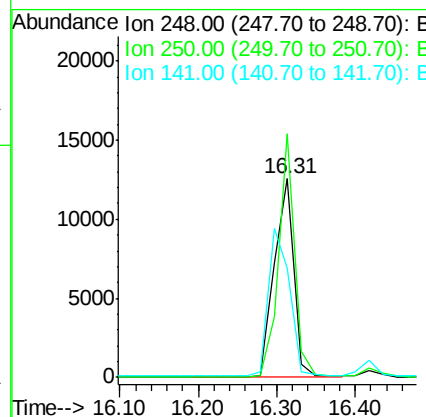
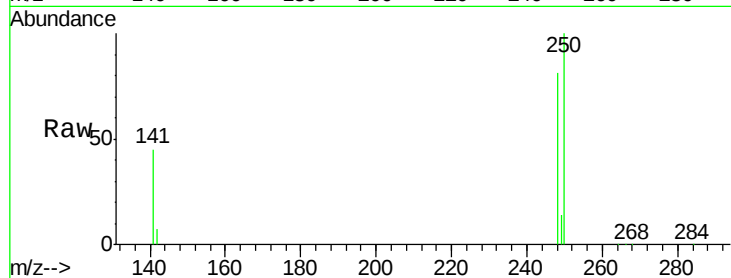




#25
4-Bromophenyl-phenylether
Concen: 4.10 ng
RT: 16.31 min Scan# 730
Delta R.T. -0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

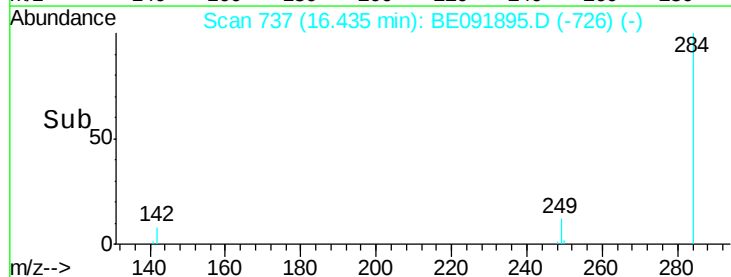
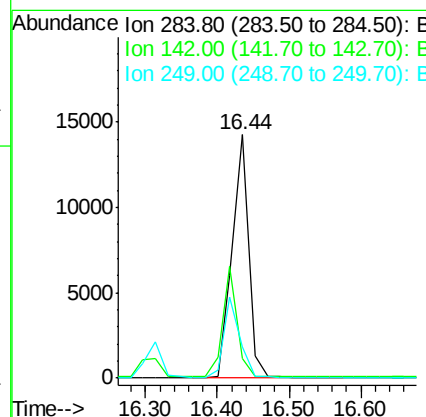
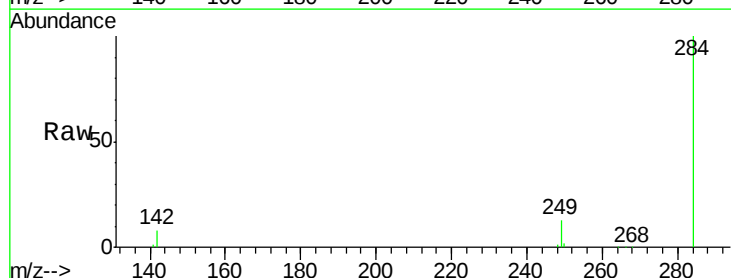
Instrument :
BNA_E
ClientSampleId :
PB91033BS

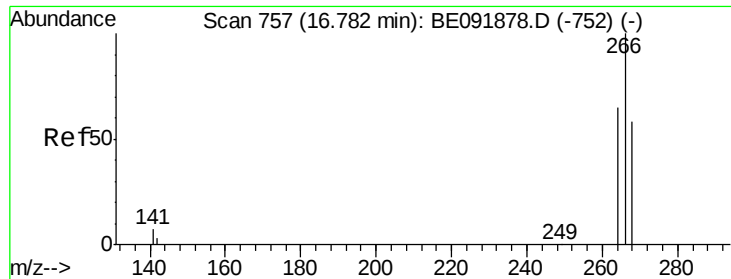
Tot Ion:248 Resp: 21472
Ion Ratio Lower Upper
248 100
250 101.0 75.7 113.5
141 81.5 64.6 97.0



#26
Hexachlorobenzene
Concen: 4.18 ng
RT: 16.44 min Scan# 737
Delta R.T. -0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Tgt Ion:284 Resp: 22397
Ion Ratio Lower Upper
284 100
142 40.9 31.4 47.2
249 32.0 25.3 37.9

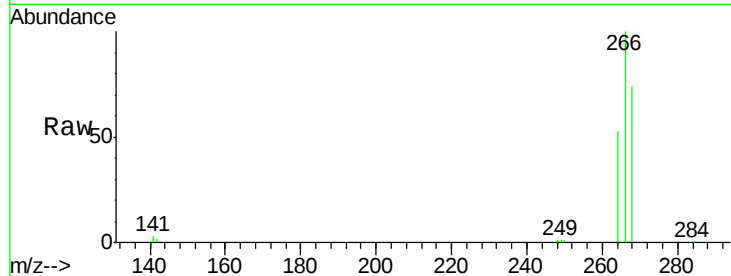




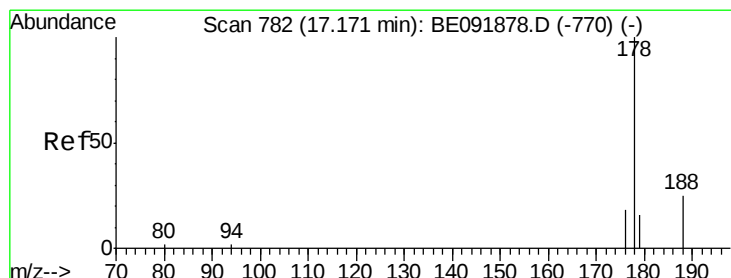
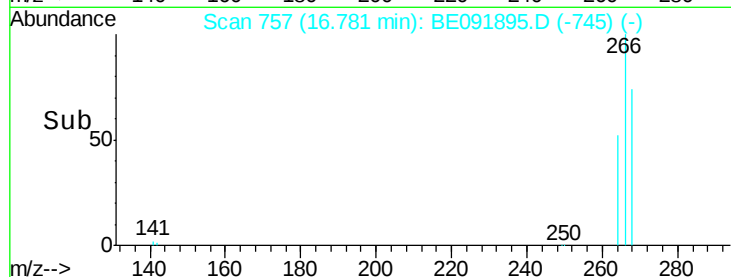
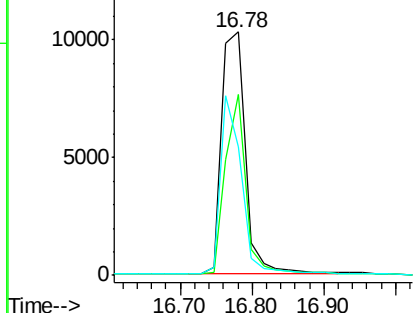
#27
 Pentachlorophenol
 Concen: 8.03 ng
 RT: 16.78 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: BE091895.D
 Acq: 8 Jun 2016 3:11

Instrument :
 BNA_E
 ClientSampleId :
 PB91033BS

Tot Ion:266 Resp: 23911
 Ion Ratio Lower Upper
 266 100
 268 74.2 60.5 90.7
 264 52.7 51.0 76.4

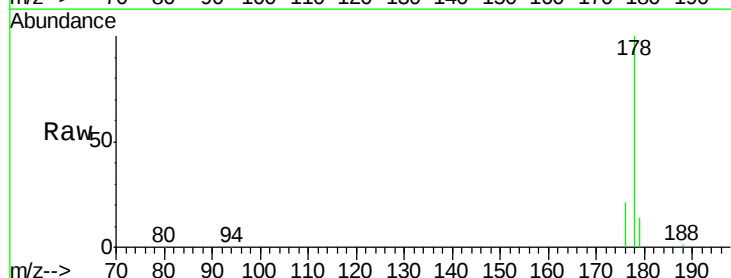


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

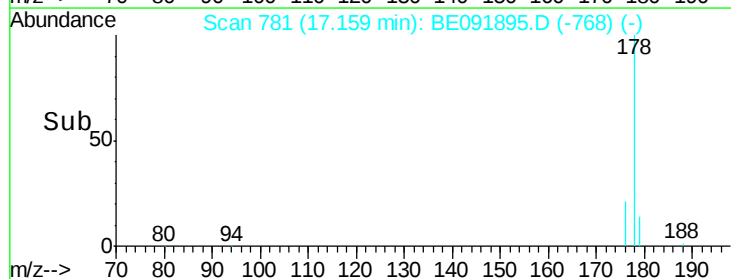
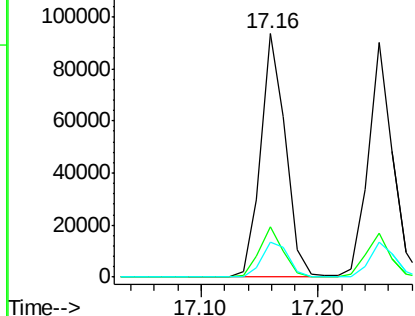


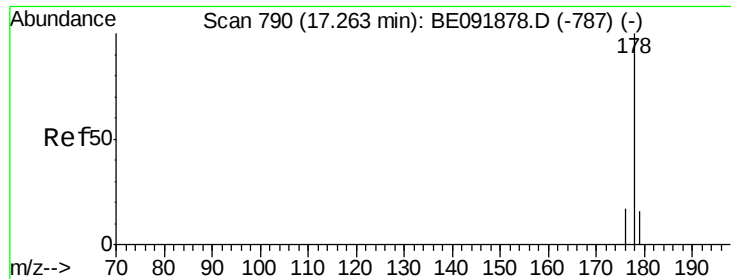
#28
 Phenanthrene
 Concen: 4.10 ng
 RT: 17.16 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BE091895.D
 Acq: 8 Jun 2016 3:11

Tgt Ion:178 Resp: 138239
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.4 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 4.38 ng

RT: 17.25 min Scan# 789

Delta R.T. -0.01 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

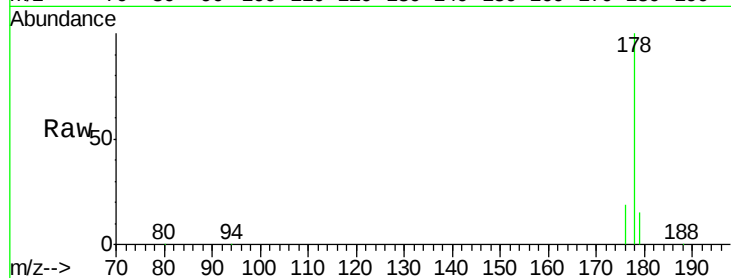
Tot Ion:178 Resp: 131499

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

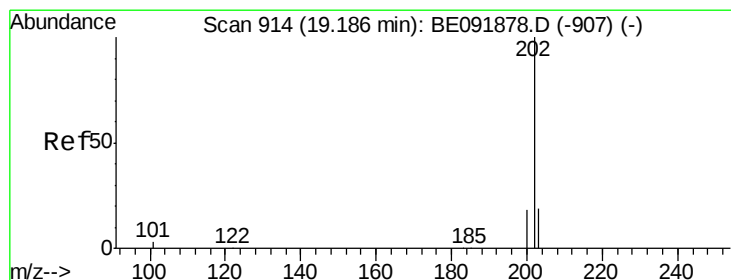
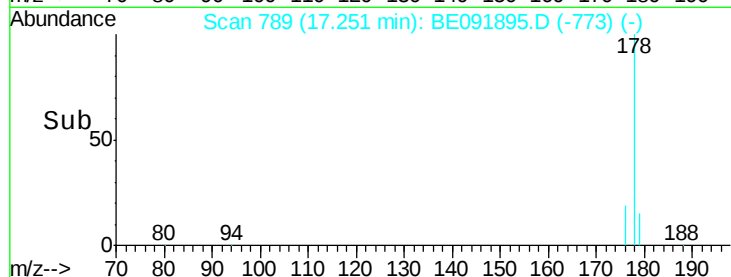
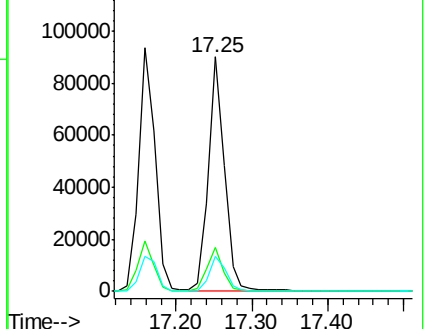
179 15.2 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 4.69 ng

RT: 19.17 min Scan# 913

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

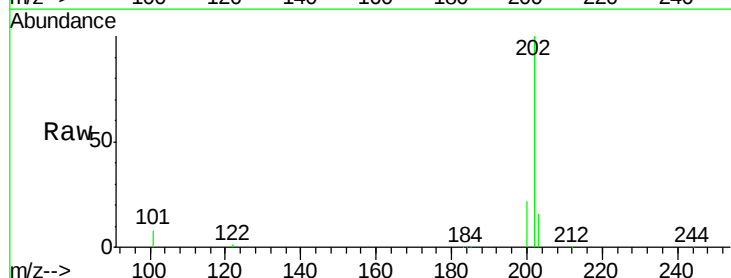
Tgt Ion:202 Resp: 170891

Ion Ratio Lower Upper

202 100

101 10.5 9.4 14.0

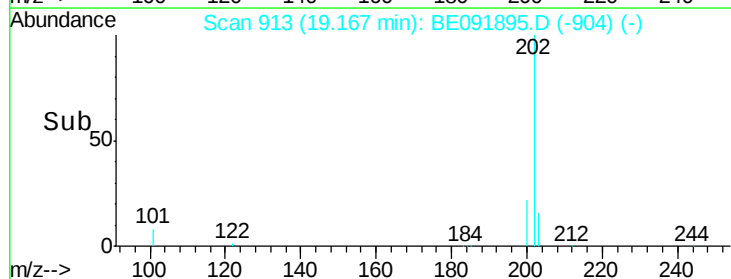
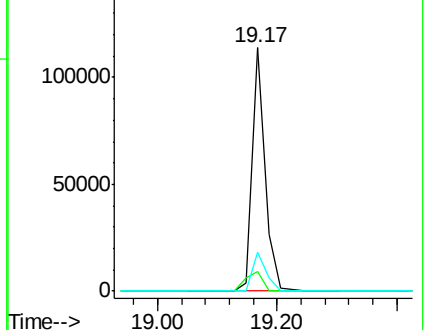
203 17.4 14.3 21.5

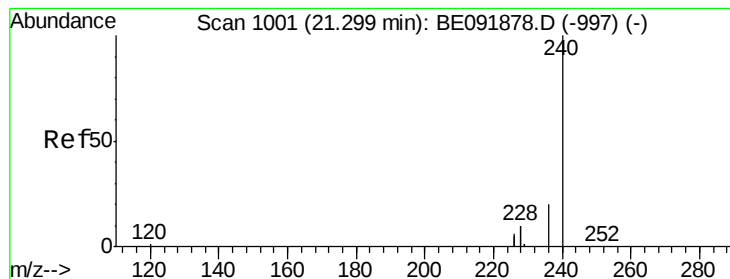


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.27 min Scan# 1000

Delta R.T. -0.03 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

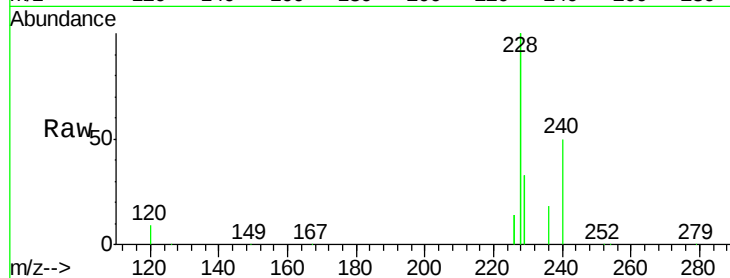
Tot Ion:240 Resp: 143342

Ion Ratio Lower Upper

240 100

120 18.5 1.2 1.8#

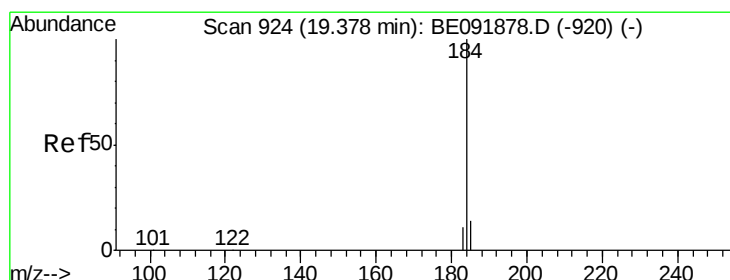
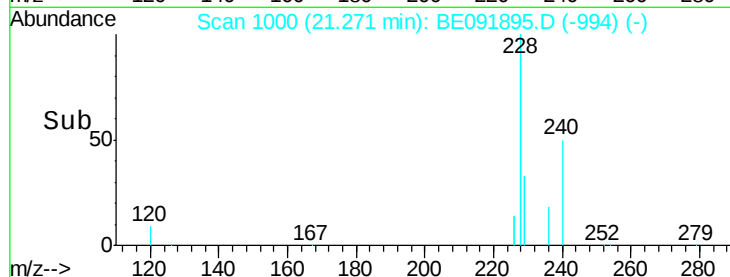
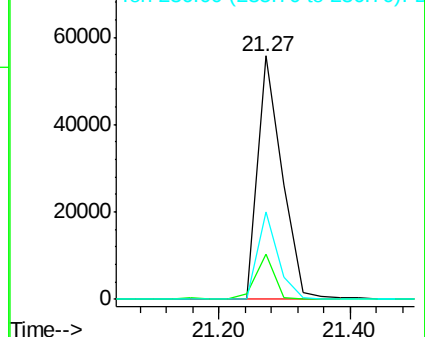
236 36.1 19.8 29.8#



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: 5.69 ng

RT: 19.36 min Scan# 923

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

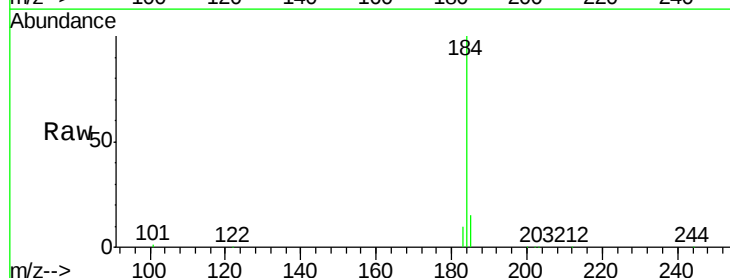
Tgt Ion:184 Resp: 65969

Ion Ratio Lower Upper

184 100

185 14.6 11.4 17.2

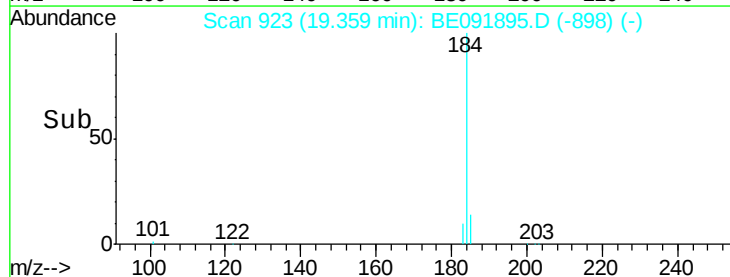
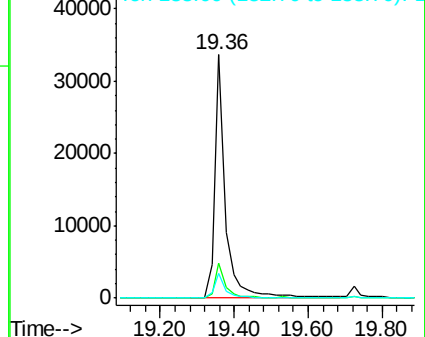
183 10.4 11.8 17.6#

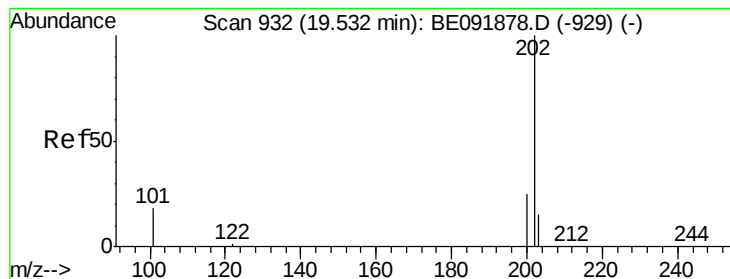


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 5.16 ng

RT: 19.53 min Scan# 932

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

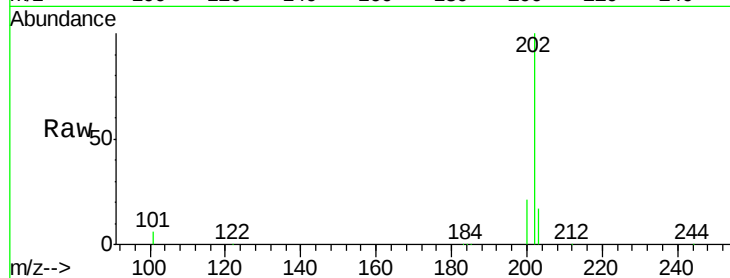
Tot Ion:202 Resp: 186511

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

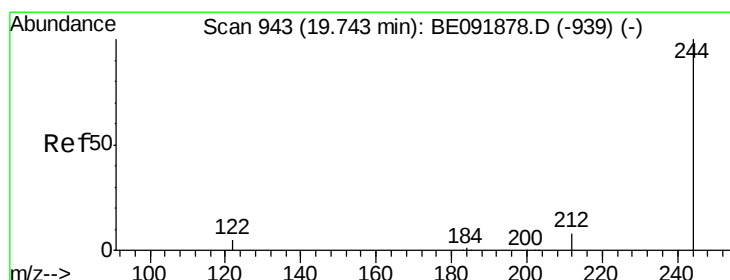
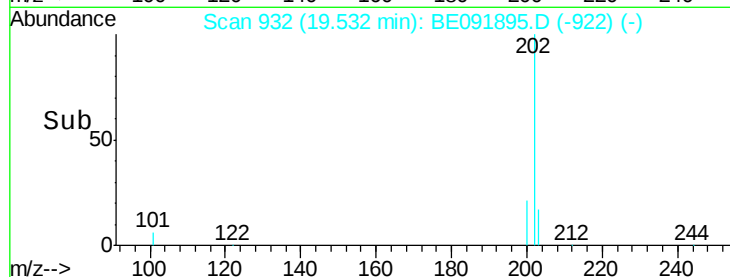
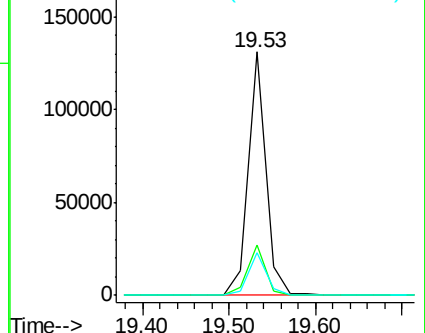
203 18.0 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#34

Terphenyl-d14

Concen: -5.00 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

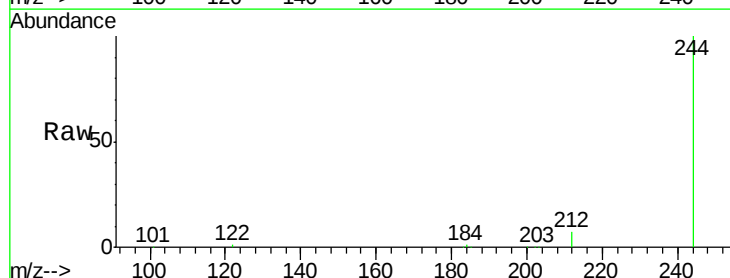
Tgt Ion:244 Resp: 119752

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

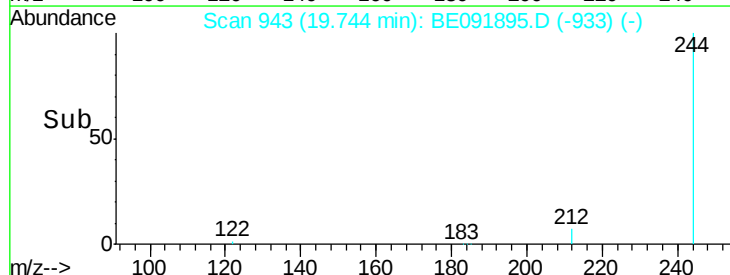
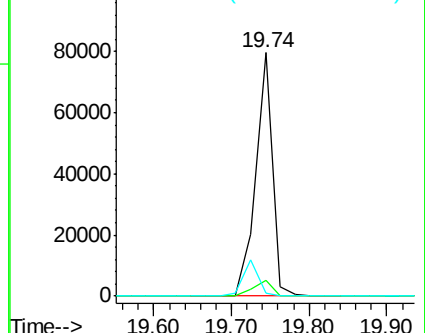
122 1.1 2.9 4.3#

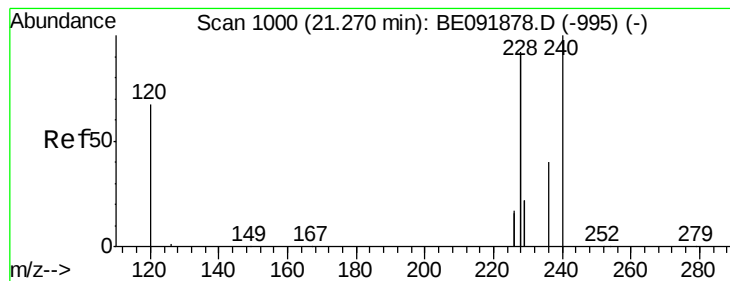


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 4.92 ng/mL

RT: 21.27 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleID :

PB91033BS

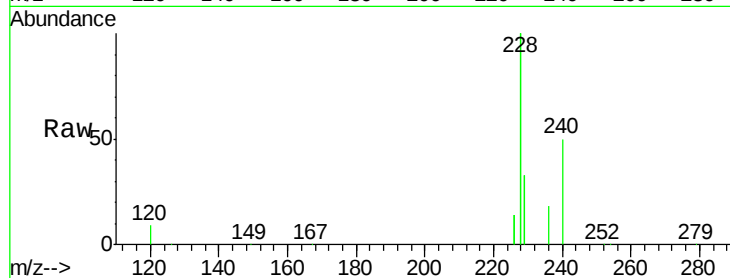
Tot Ion:228 Resp: 844261

Ion Ratio Lower Upper

228 100

226 14.3 21.0 31.4#

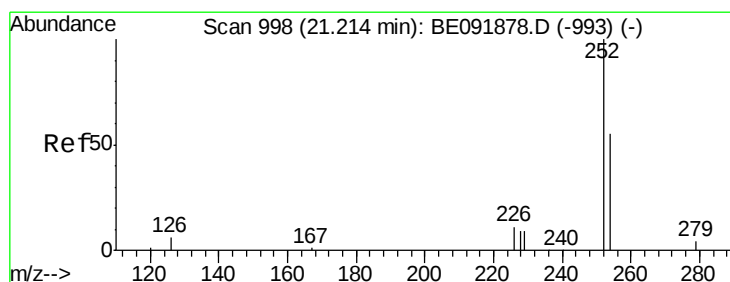
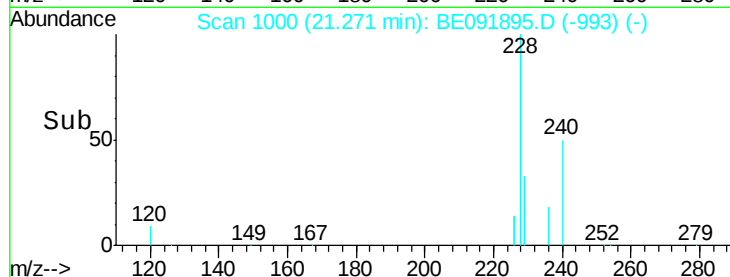
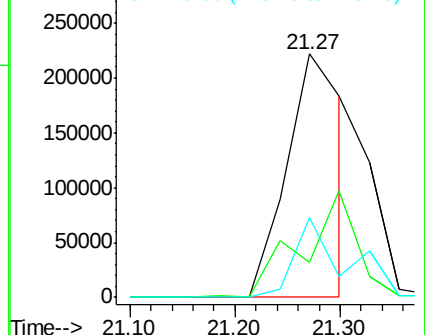
229 32.8 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 4.32 ng/mL

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

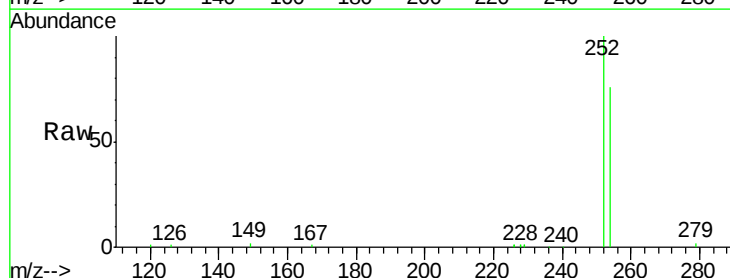
Tgt Ion:252 Resp: 49961

Ion Ratio Lower Upper

252 100

254 76.4 61.5 92.3

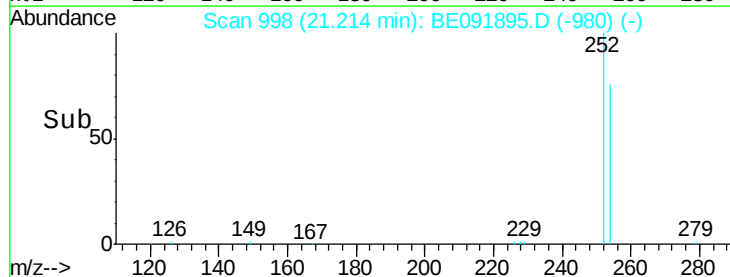
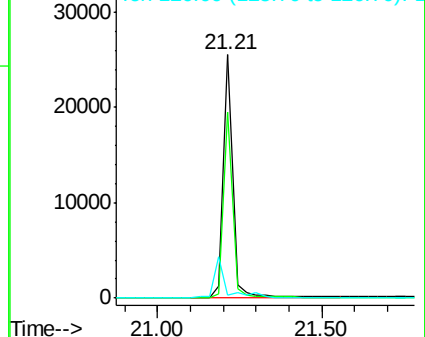
126 1.3 2.5 3.7#

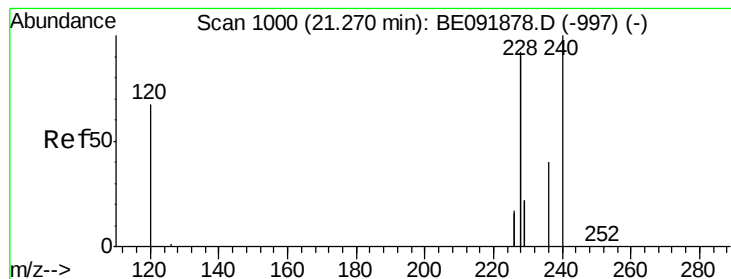


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 1.59 ng/mL

RT: 21.30 min Scan# 1001

Delta R.T. -0.03 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleID :

PB91033BS

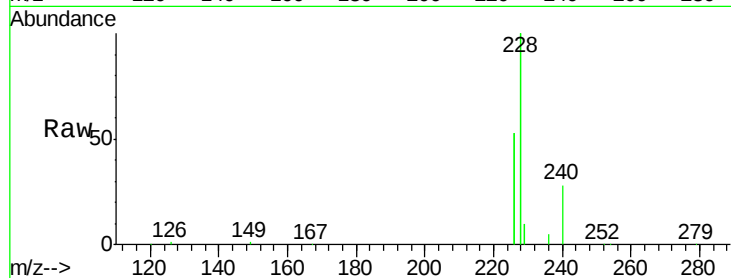
Tot Ion: 228 Resp: 232609

Ion Ratio Lower Upper

228 100

226 52.9 27.0 40.6#

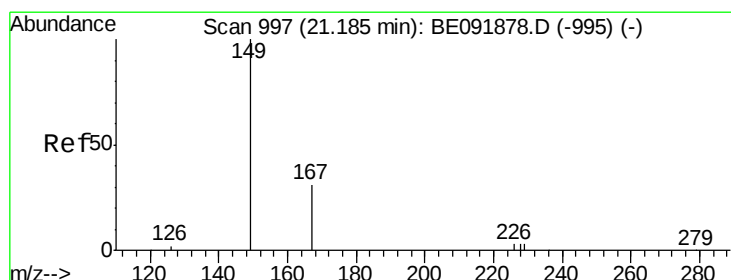
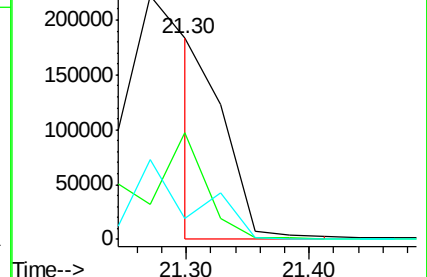
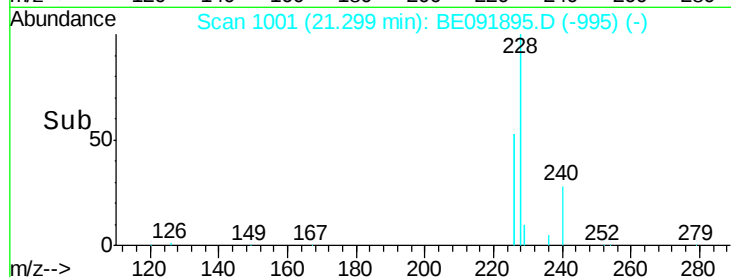
229 10.3 13.8 20.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 2.95 ng/mL

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

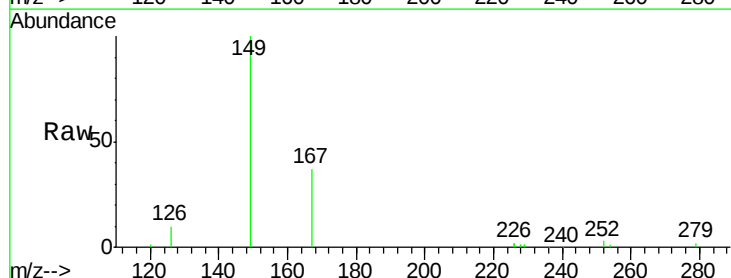
Tgt Ion: 149 Resp: 76455

Ion Ratio Lower Upper

149 100

167 35.5 0.0 0.0#

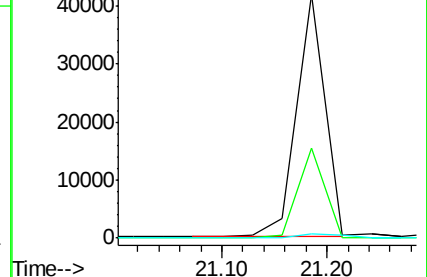
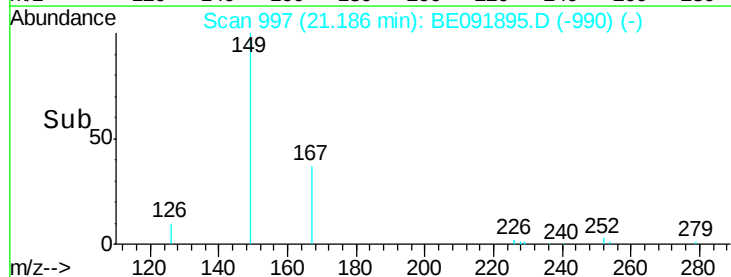
279 2.1 0.0 0.0#

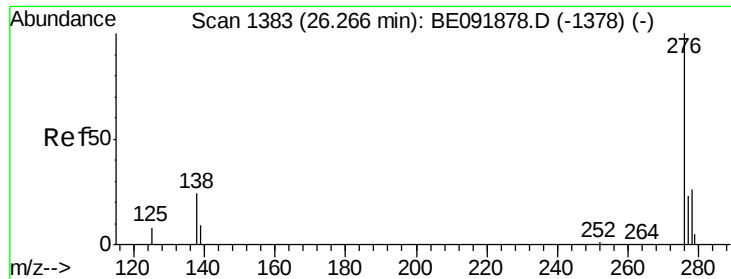


Abundance Ion 149.00 (148.70 to 149.70): E

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: 4.70 ng

RT: 26.27 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

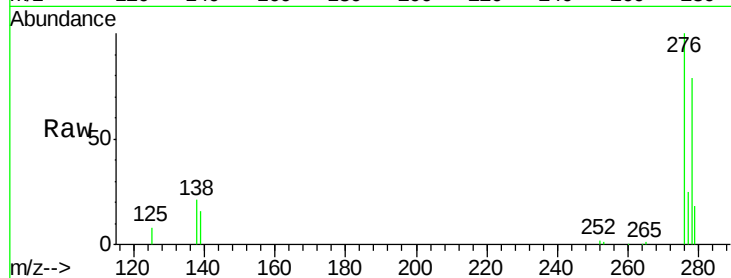
Tot Ion:276 Resp: 205310

Ion Ratio Lower Upper

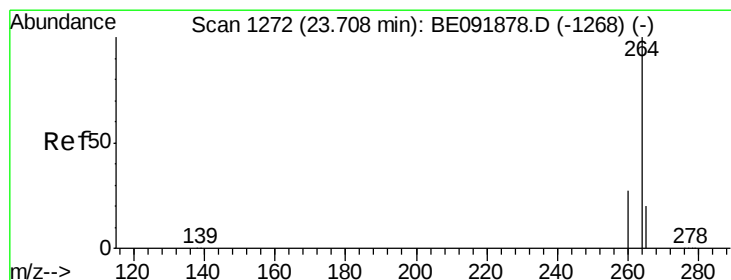
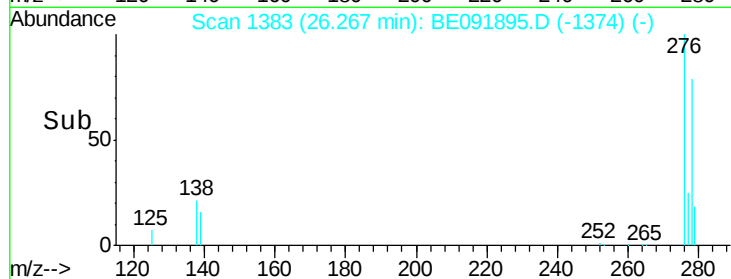
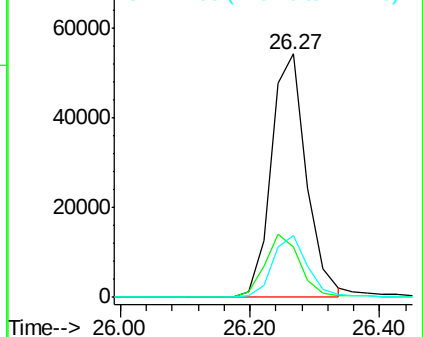
276 100

138 0.0 19.7 29.5#

277 24.9 20.1 30.1



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



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

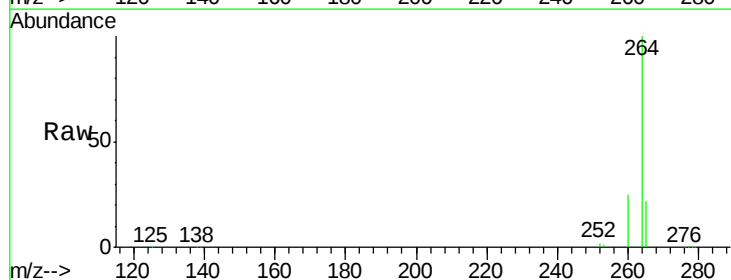
Tgt Ion:264 Resp: 187510

Ion Ratio Lower Upper

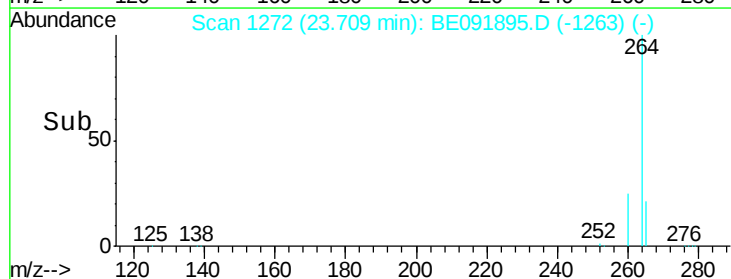
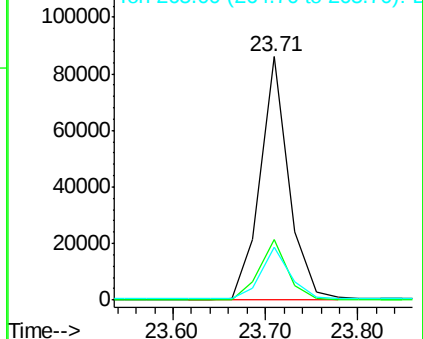
264 100

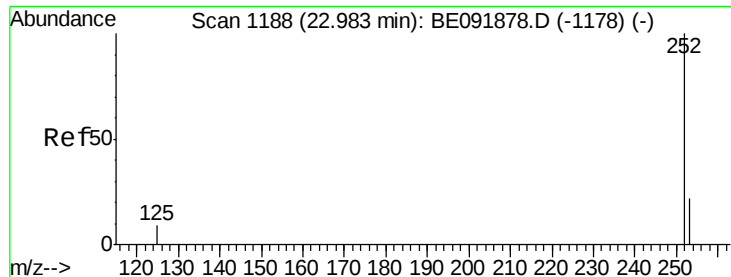
260 24.9 20.3 30.5

265 21.8 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: 4.20 ng

RT: 22.97 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampled :

PB91033BS

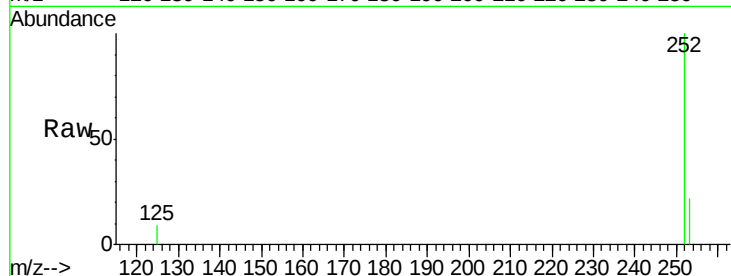
Tot Ion:252 Resp: 192568

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

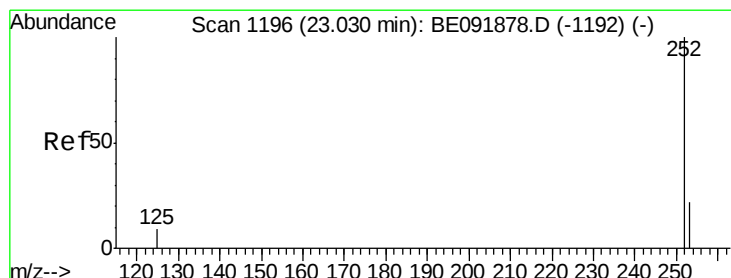
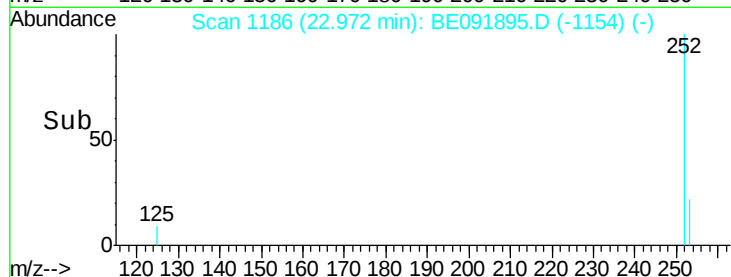
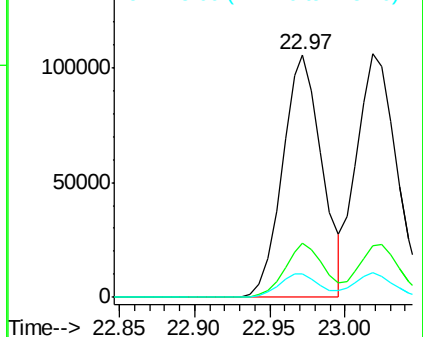
125 9.5 9.4 14.2



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: 4.21 ng

RT: 23.02 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

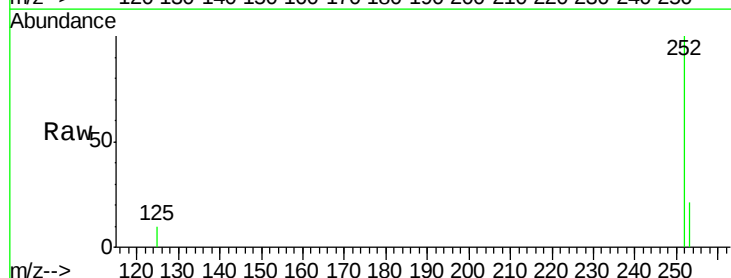
Tgt Ion:252 Resp: 200356

Ion Ratio Lower Upper

252 100

253 21.1 19.4 29.2

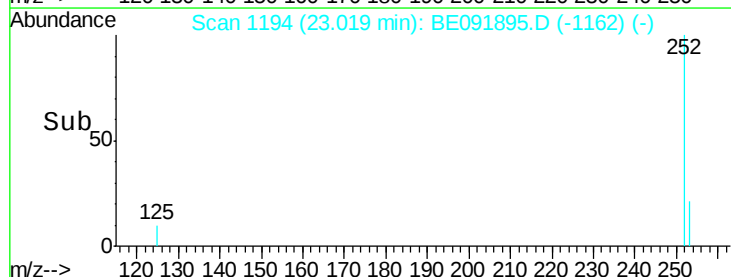
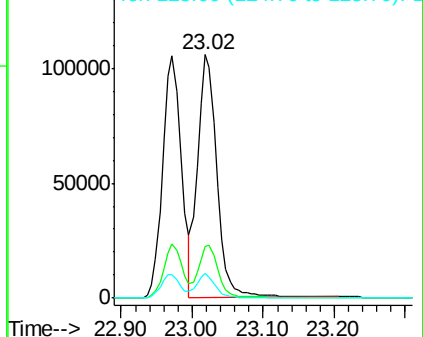
125 9.9 8.3 12.5

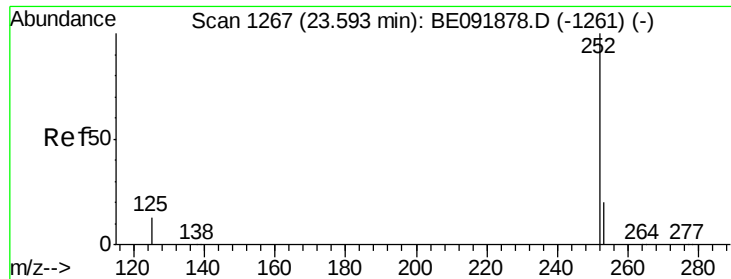


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 4.35 ng

RT: 23.59 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

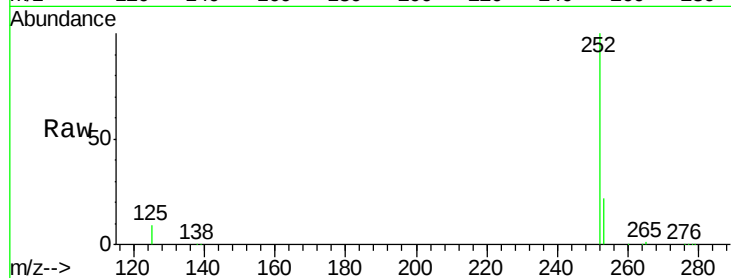
Tot Ion:252 Resp: 186775

Ion Ratio Lower Upper

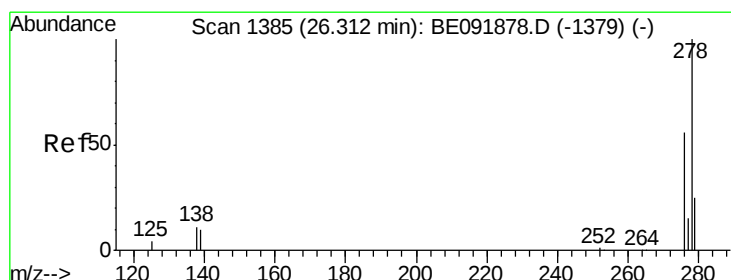
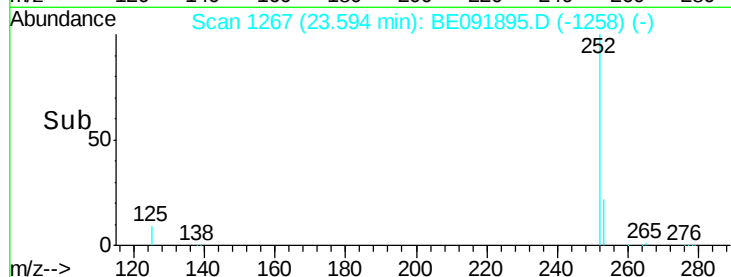
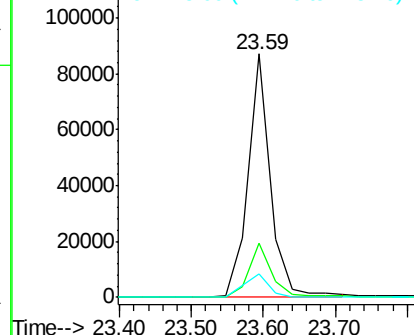
252 100

253 22.3 18.9 28.3

125 9.5 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: 4.38 ng

RT: 26.29 min Scan# 1384

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

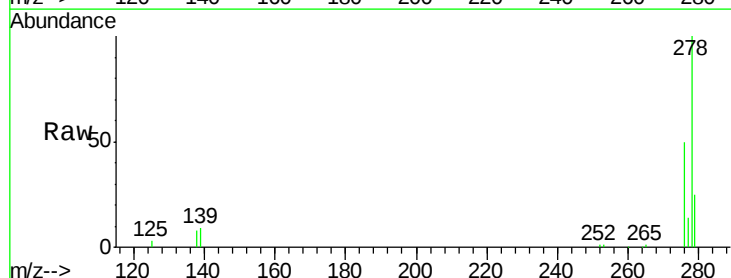
Tgt Ion:278 Resp: 175442

Ion Ratio Lower Upper

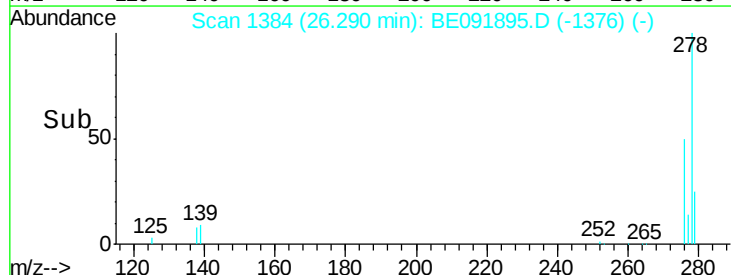
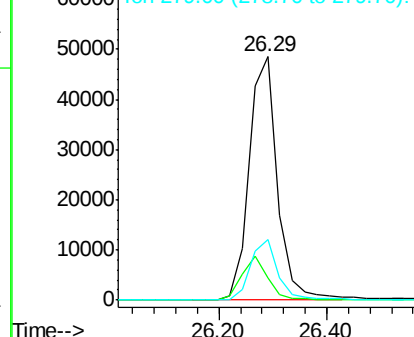
278 100

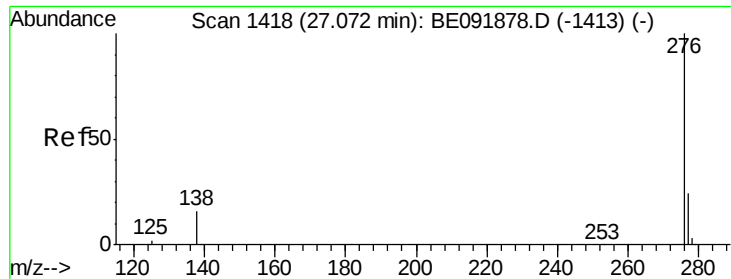
139 8.9 12.6 18.8#

279 24.7 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: 4.20 ng

RT: 27.05 min Scan# 1417

Delta R.T. -0.02 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

PB91033BS

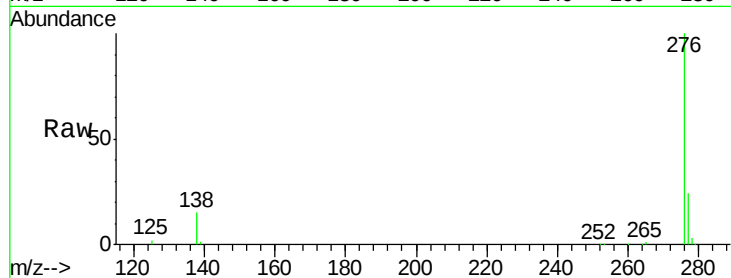
Tot Ion: 276 Resp: 176456

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 14.9 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

