

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 :

Quant Time: Jun 08 07:19:42 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 17:14:38 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	1051271	6.05	ng	# 75
36) 3,3'-Dichlorobenzidine	21.21	252	49961	4.32	ng	# 99
37) Chrysene	21.27	228	1069040	7.31	ng	# 65
38) Bis(2-ethylhexyl)phthalate	21.19	149	76455	2.95	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.27	276	205310	Below Cal		# 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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Response via : Initial Calibration

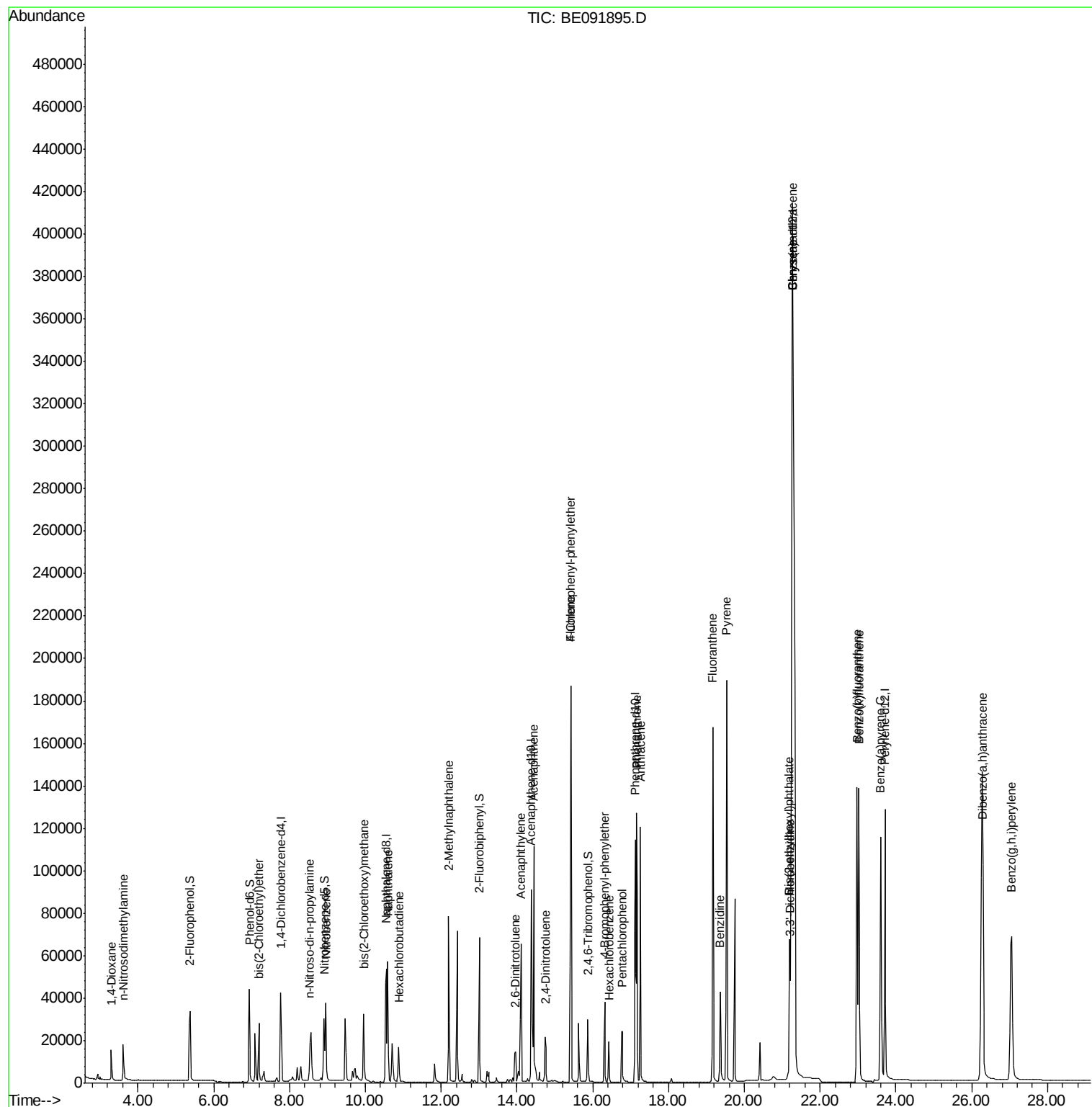
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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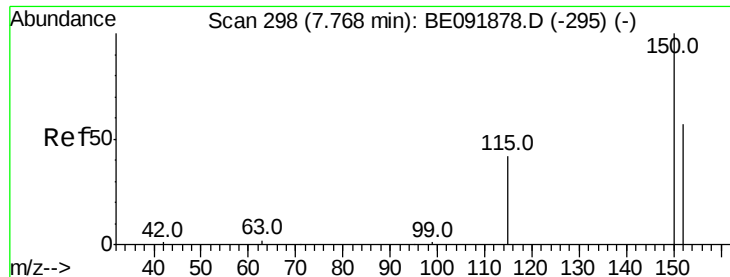
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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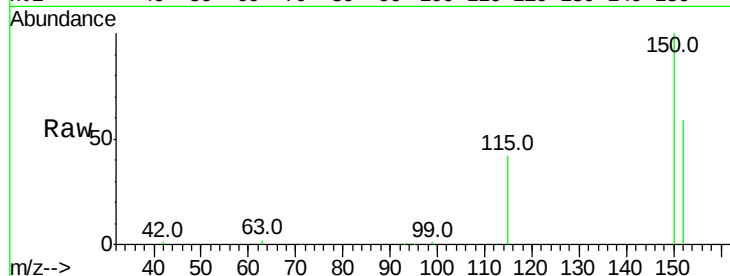


#1

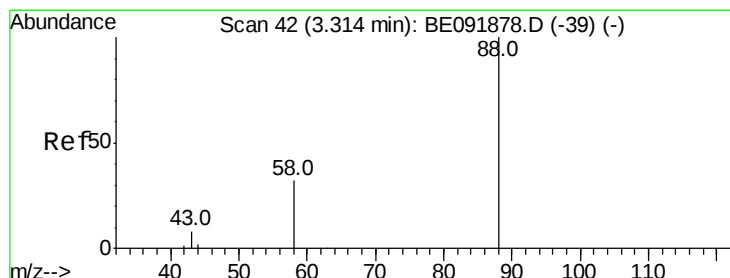
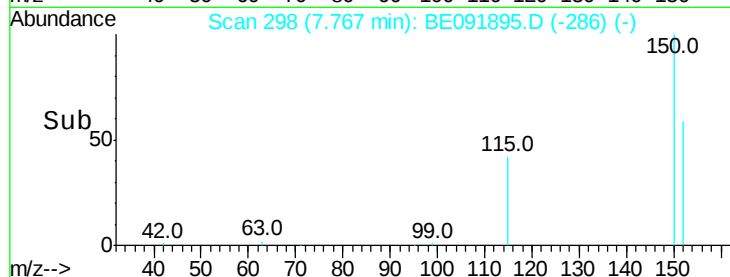
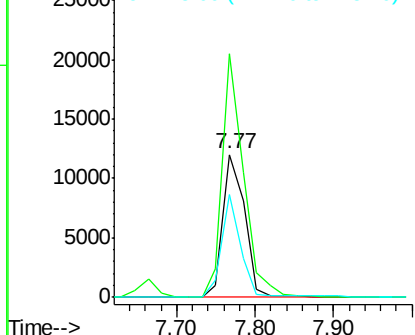
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. -0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Instrument :
BNA_E
ClientSampled :

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



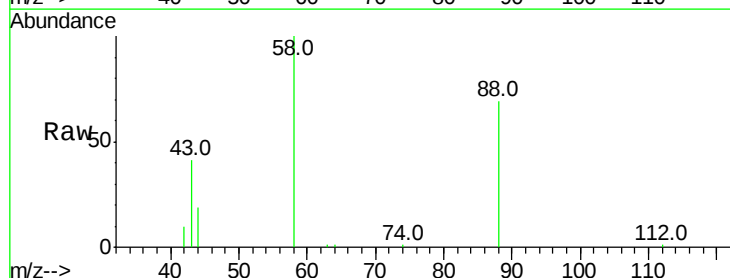
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



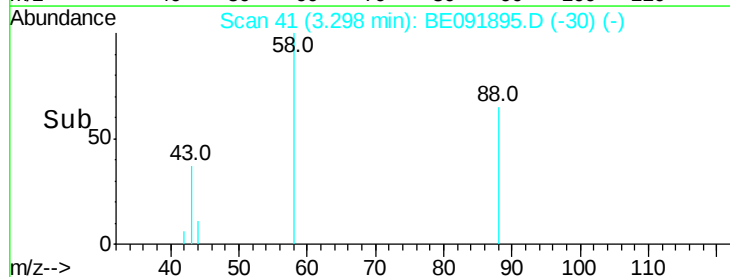
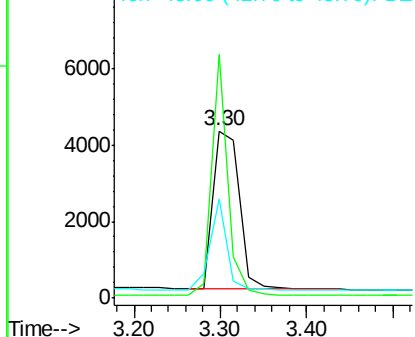
#2

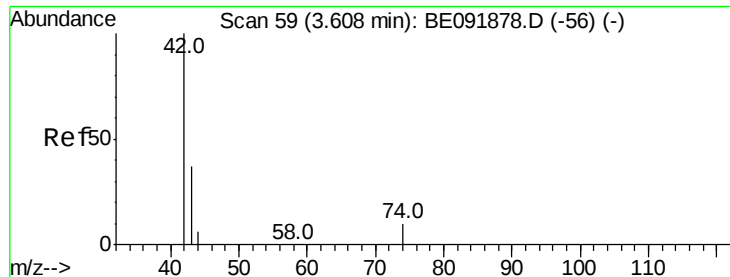
1,4-Dioxane
Concen: 2.96 ng
RT: 3.30 min Scan# 41
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

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



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





#3

n-Nitrosodimethylamine

Concen: 3.40 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 :

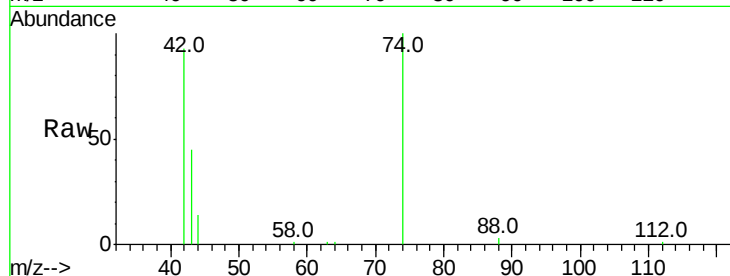
Tot Ion: 42 Resp: 12909

Ion Ratio Lower Upper

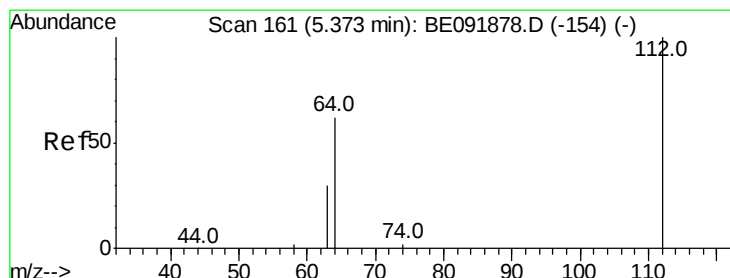
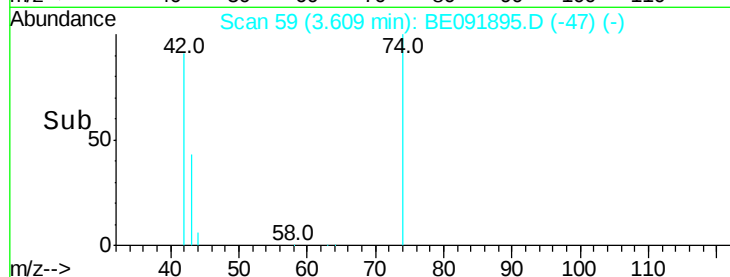
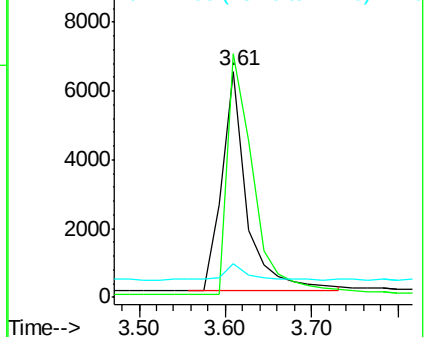
42 100

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

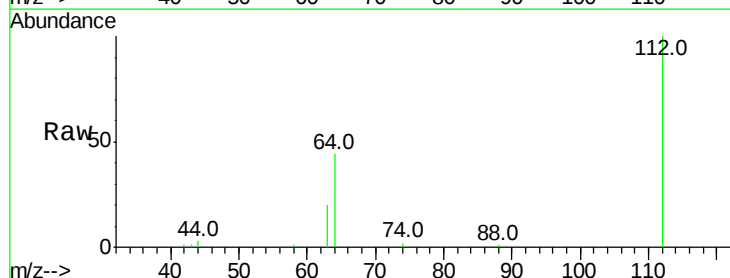
Tgt Ion: 112 Resp: 34156

Ion Ratio Lower Upper

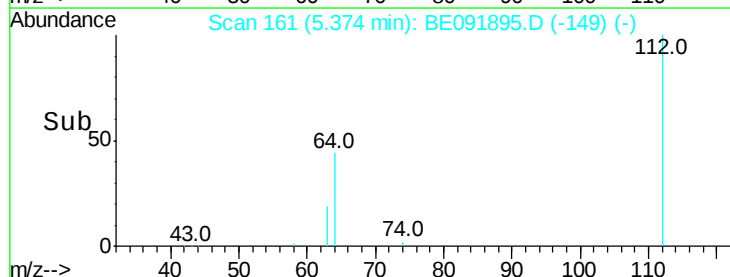
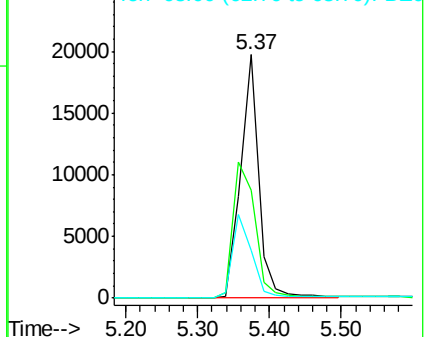
112 100

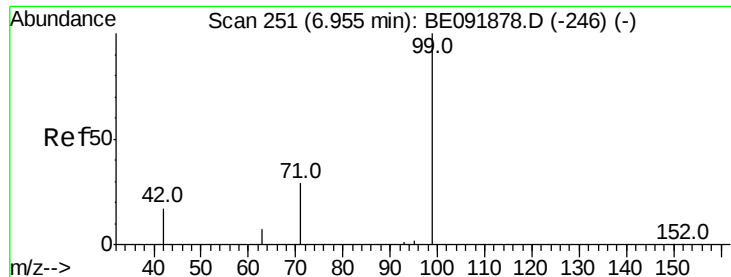
64 66.9 53.7 80.5

63 36.1 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE0
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 :

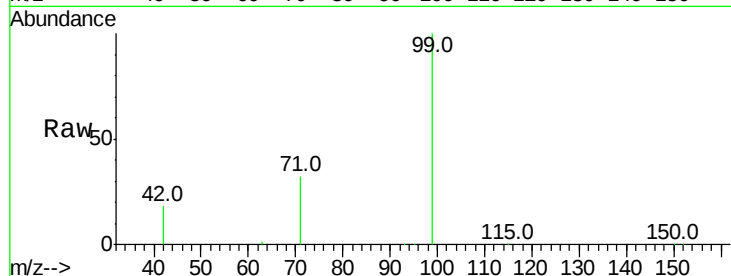
Tot Ion: 99 Resp: 48340

Ion Ratio Lower Upper

99 100

42 24.4 19.6 29.4

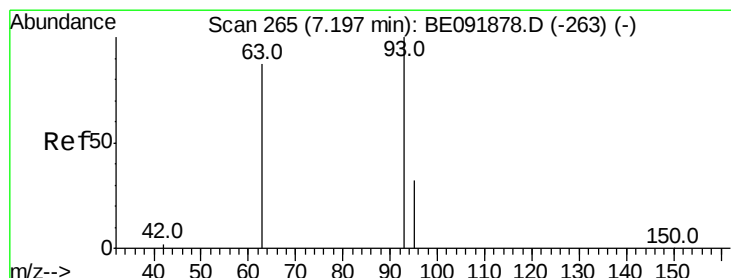
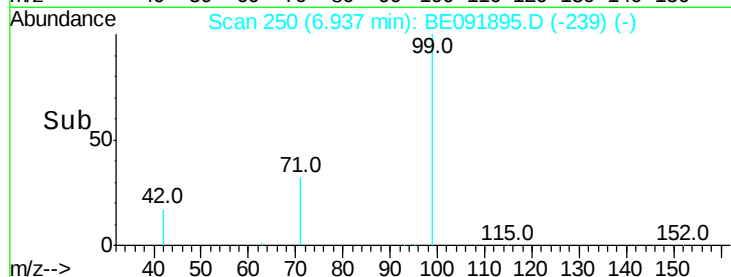
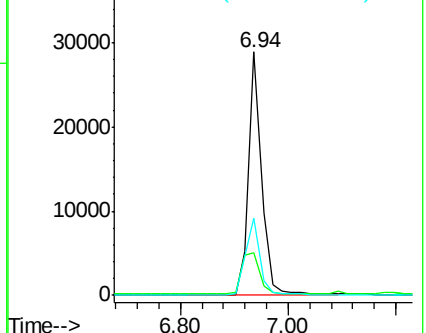
71 34.8 28.1 42.1



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

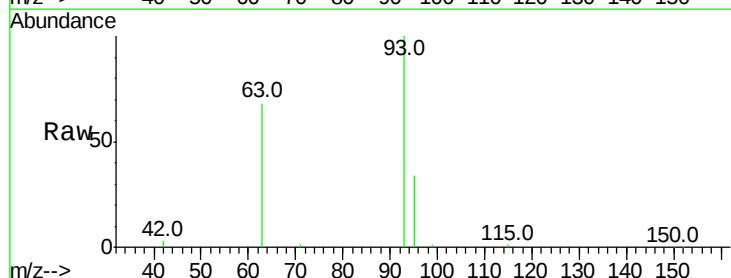
Tgt Ion: 93 Resp: 23025

Ion Ratio Lower Upper

93 100

63 84.6 66.2 99.4

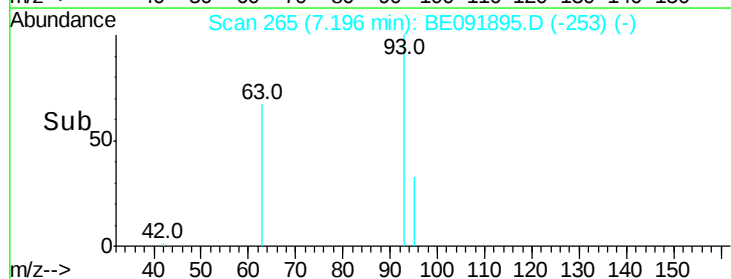
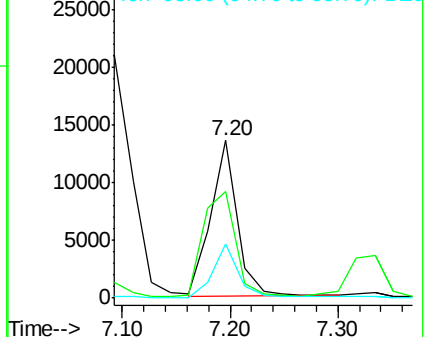
95 32.3 25.5 38.3

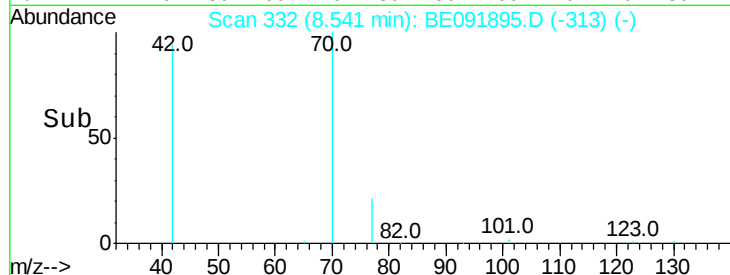
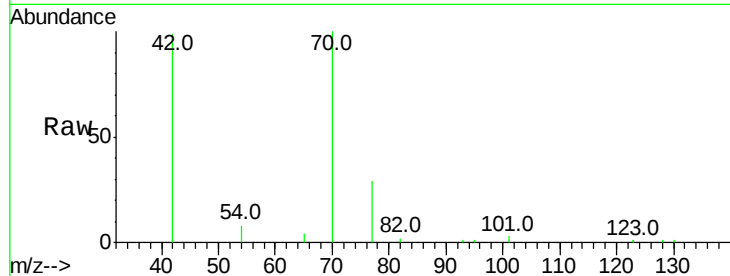
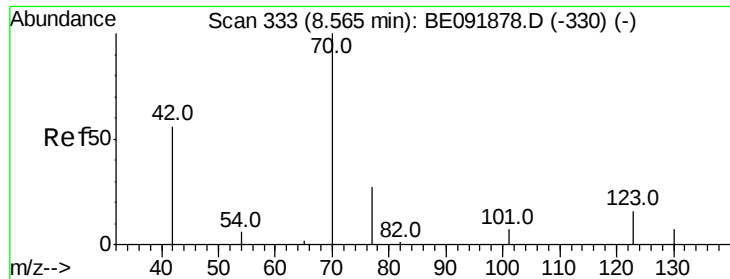


Abundance Ion 93.00 (92.70 to 93.70): BE0

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

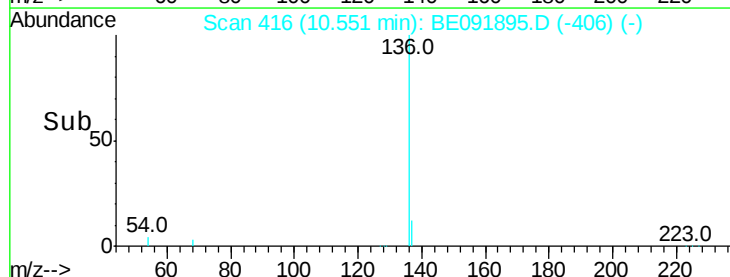
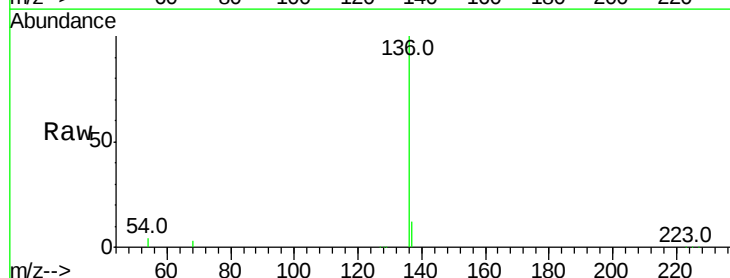
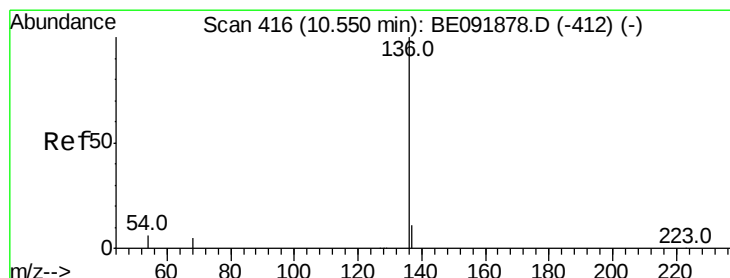
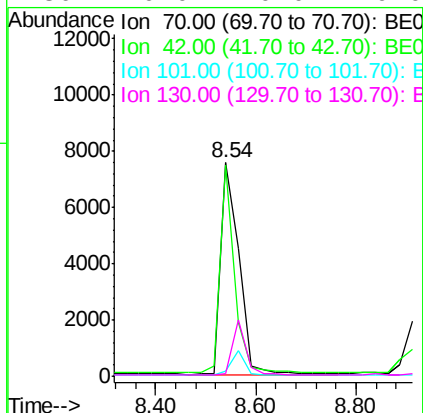
Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

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

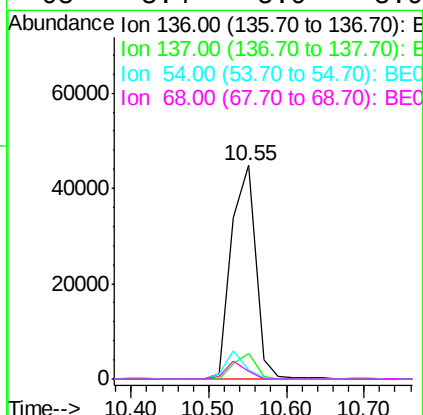
RT: 10.55 min Scan# 416

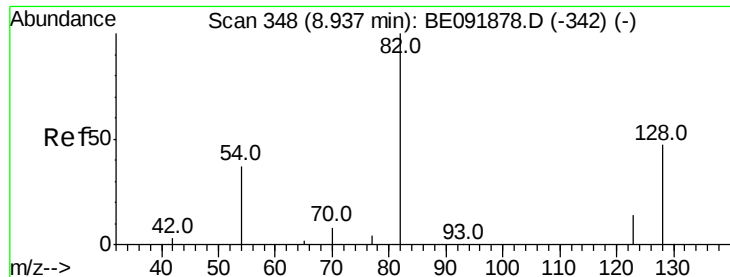
Delta R.T. 0.00 min

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 :

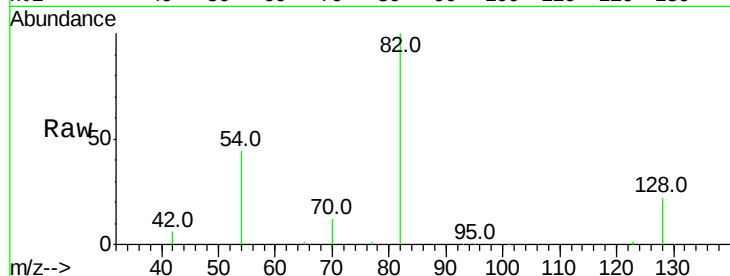
Tot Ion: 82 Resp: 31076

Ion Ratio Lower Upper

82 100

128 22.2 39.5 59.3#

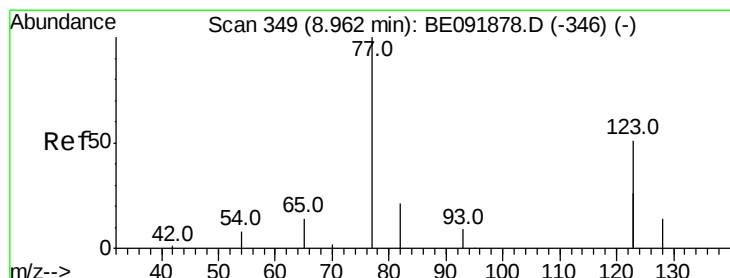
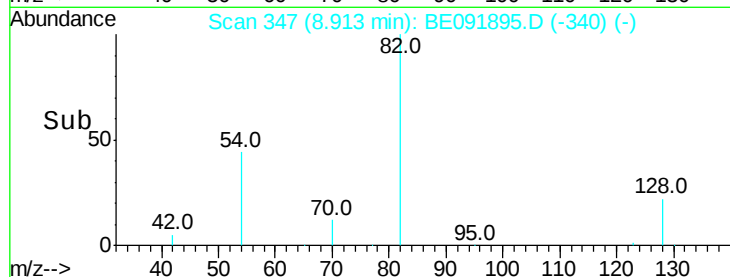
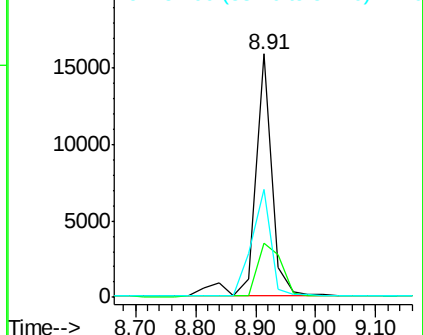
54 44.3 30.3 45.5



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

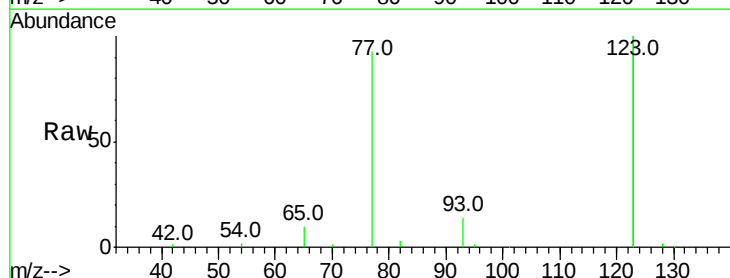
Tgt Ion: 77 Resp: 26253

Ion Ratio Lower Upper

77 100

123 164.2 0.0 0.0#

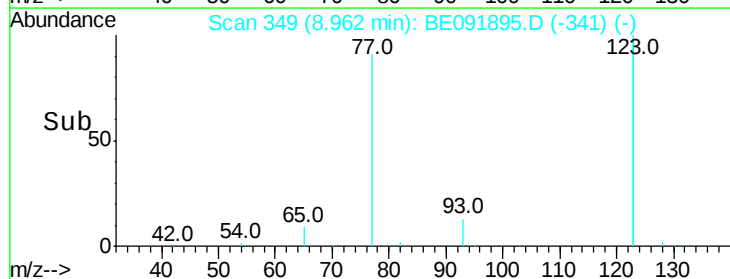
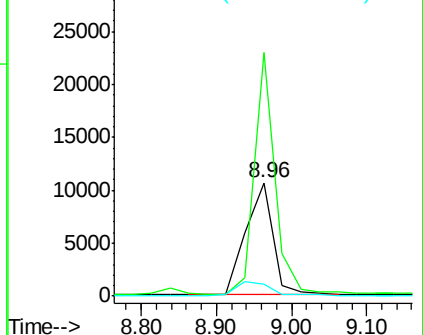
65 0.0 11.1 16.7#

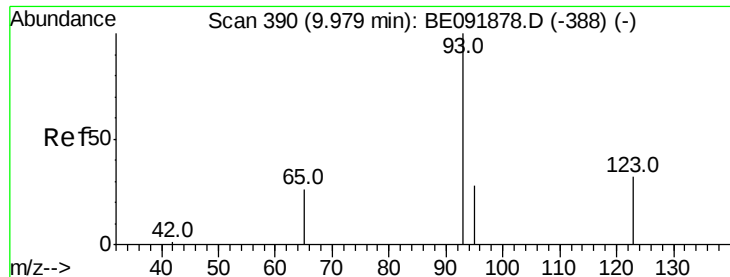


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

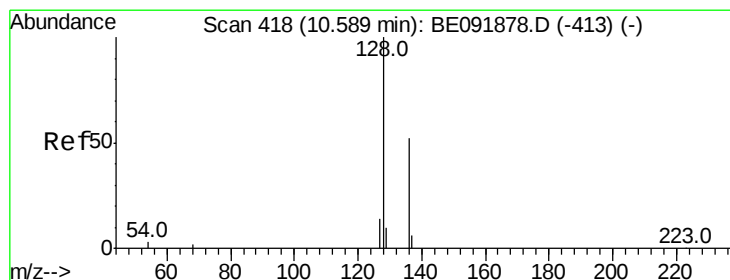
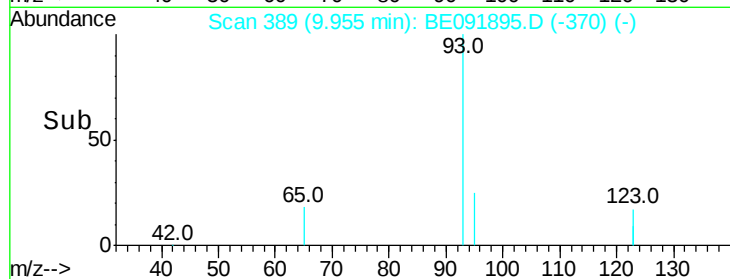
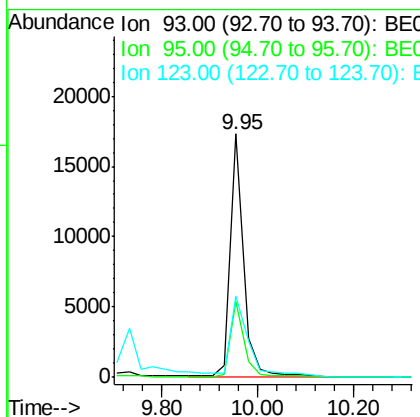
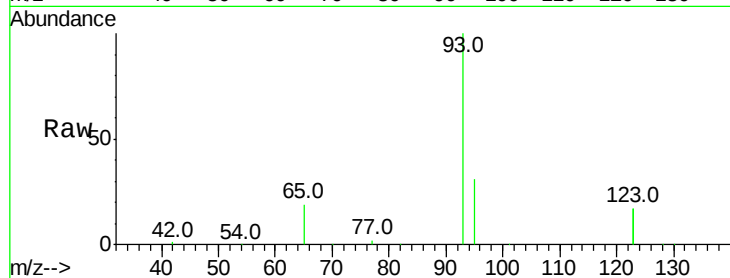




#11
bis(2-Chloroethoxy)methane
Concen: 3.85 ng
RT: 9.95 min Scan# 389
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

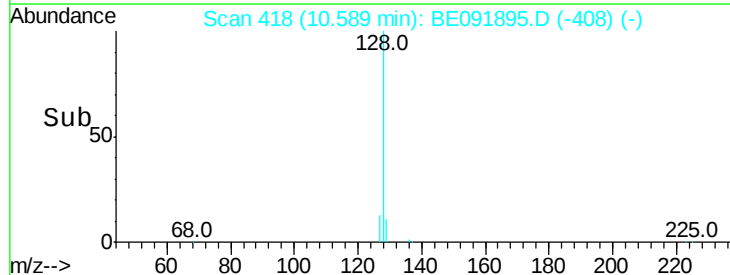
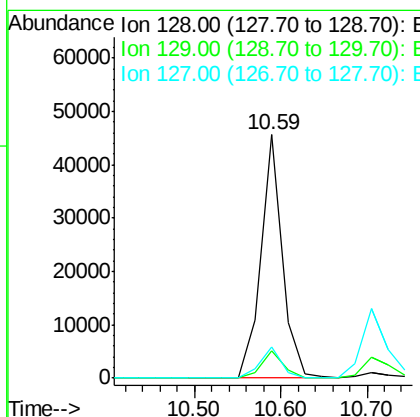
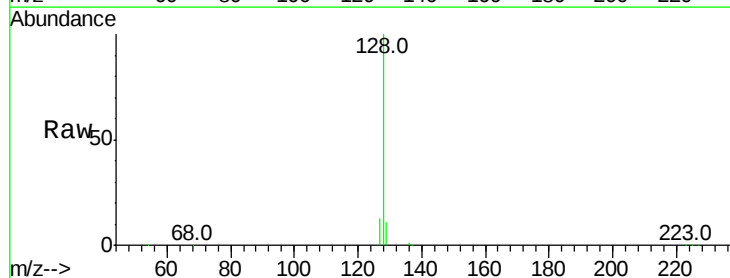
Instrument :
BNA_E
ClientSampleId :

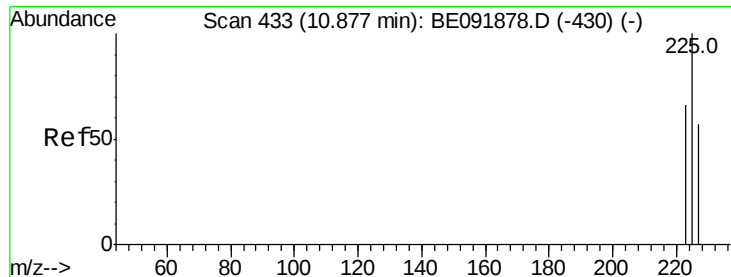
Tot Ion: 93 Resp: 38036
Ion Ratio Lower Upper
93 100
95 33.7 57.6 86.4#
123 46.5 100.2 150.4#



#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

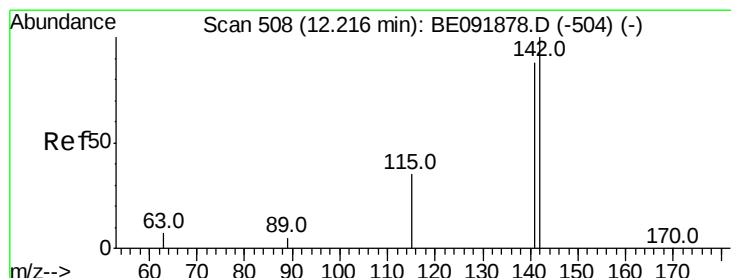
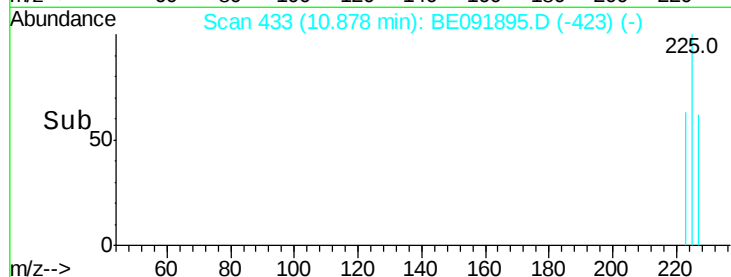
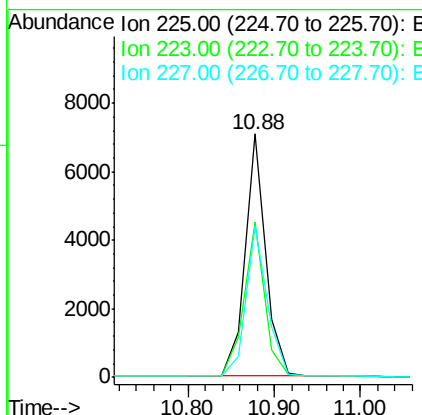
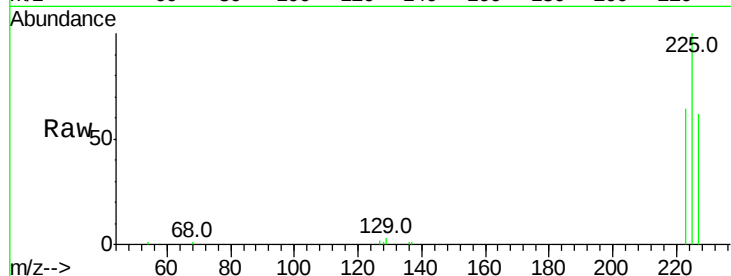




#13
Hexachlorobutadiene
Concen: 3.70 ng
RT: 10.88 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

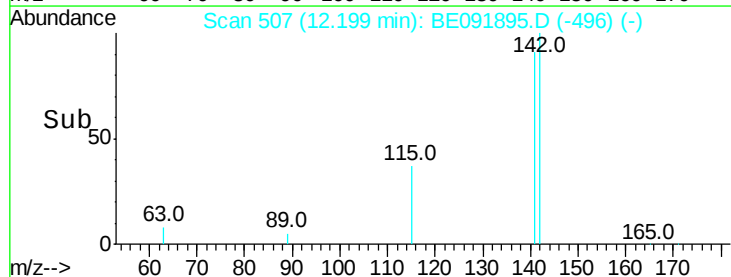
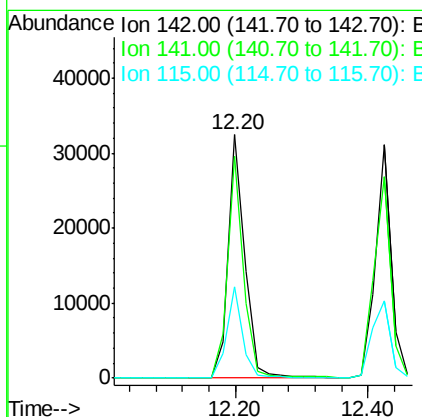
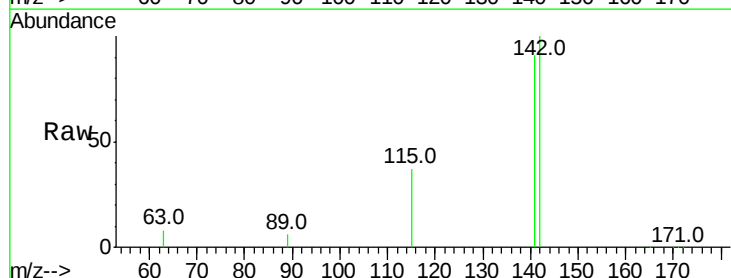
Instrument :
BNA_E
ClientSampleId :

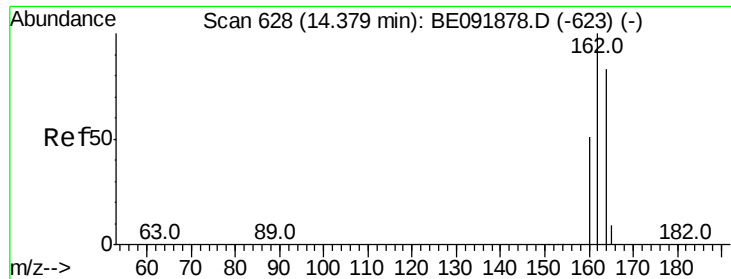
Tot Ion:225 Resp: 11584
Ion Ratio Lower Upper
225 100
223 63.7 49.8 74.8
227 64.1 50.6 75.8



#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 :

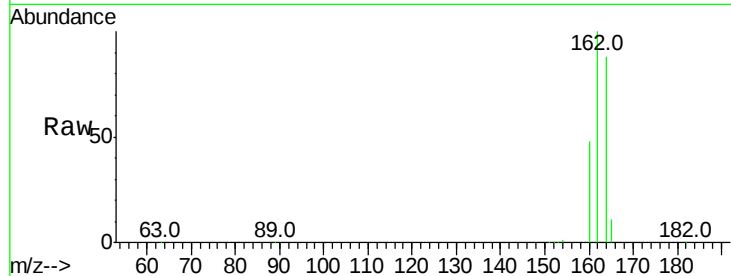
Tot Ion:164 Resp: 57354

Ion Ratio Lower Upper

164 100

162 113.8 71.8 107.8#

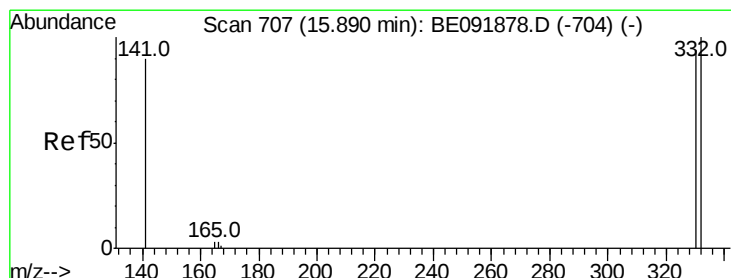
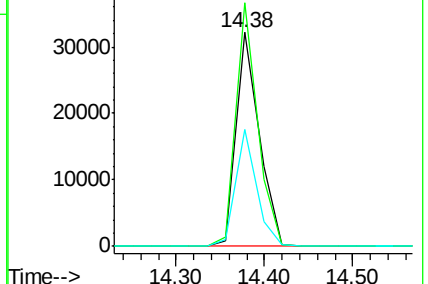
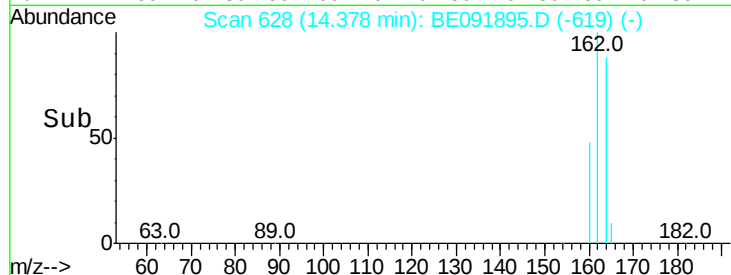
160 54.6 28.0 42.0#



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

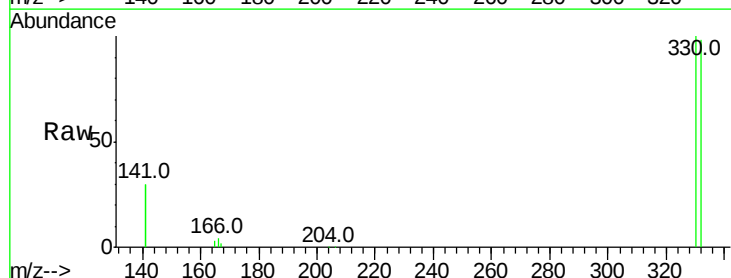
Tgt Ion:330 Resp: 16329

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

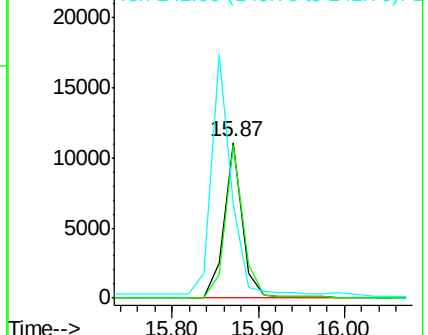
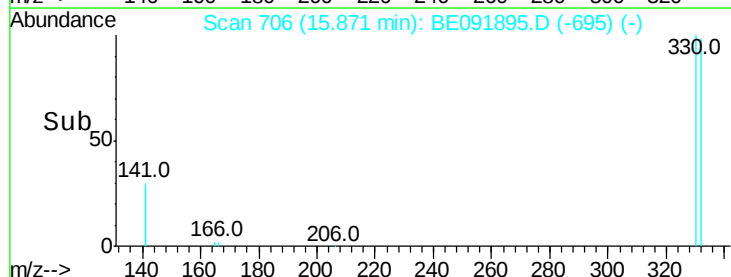
141 165.5 138.4 207.6

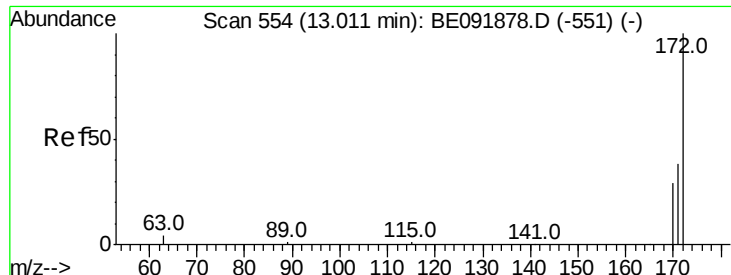


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

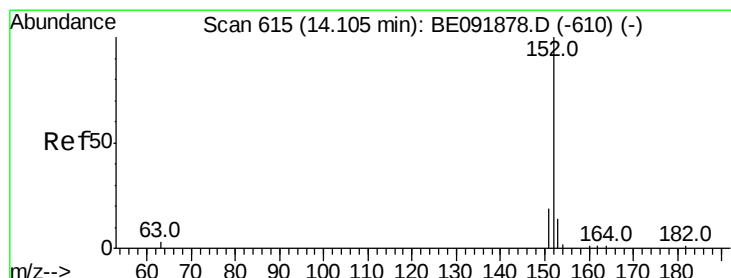
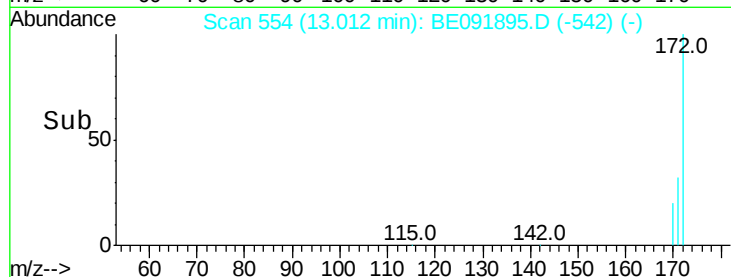
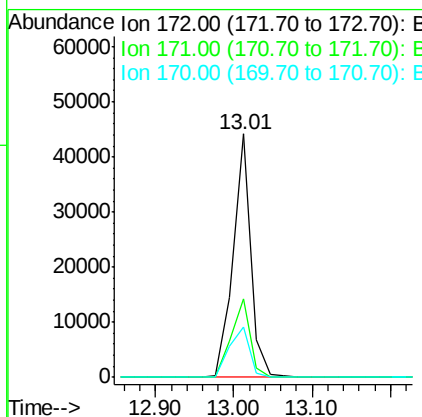
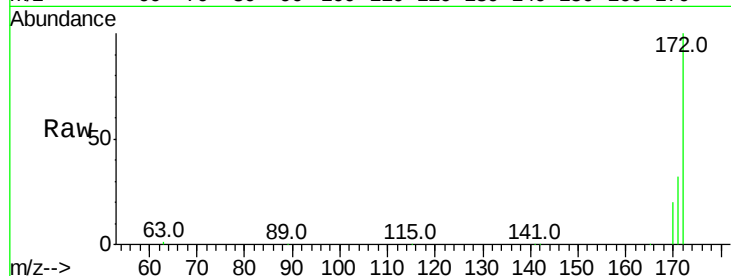




#17
2-Fluorobiphenyl
Concen: 3.96 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

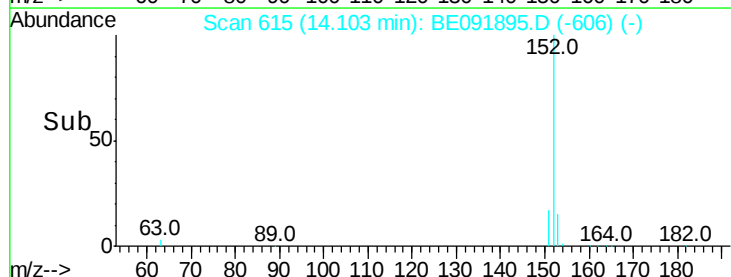
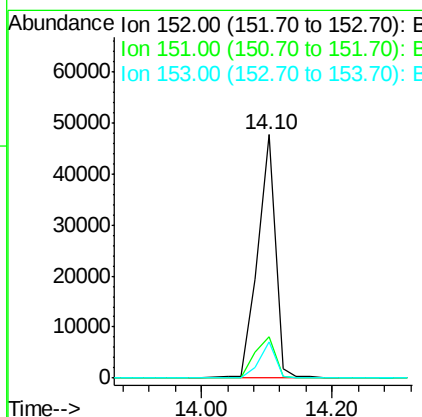
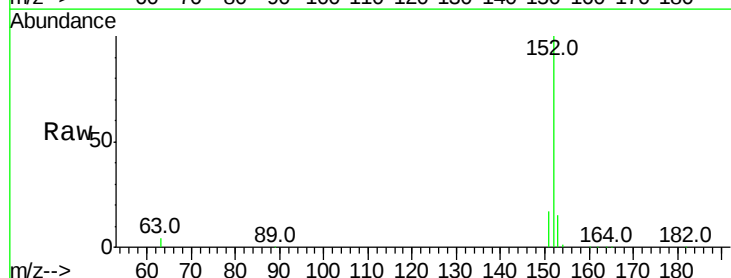
Instrument :
BNA_E
ClientSampleId :

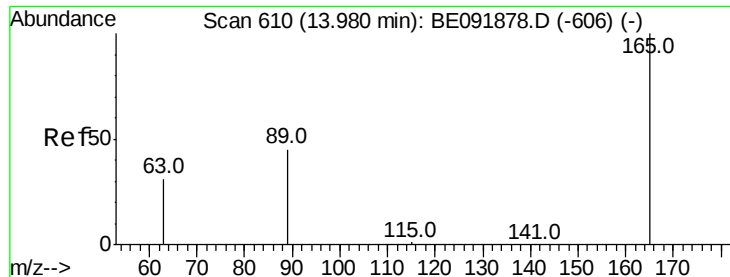
Tot Ion:172 Resp: 68889
Ion Ratio Lower Upper
172 100
171 32.4 24.3 36.5
170 20.5 14.9 22.3



#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#

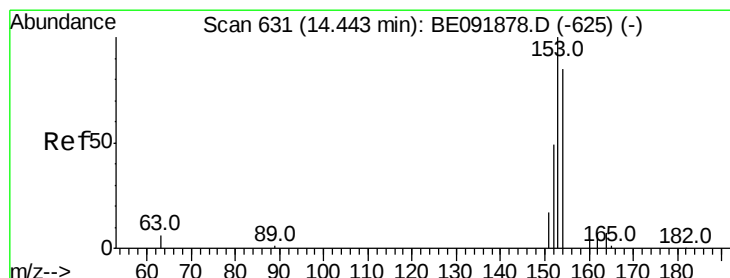
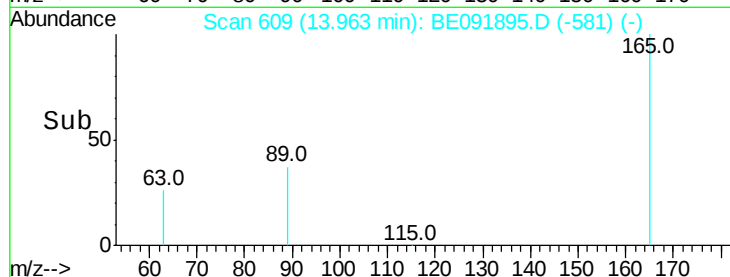
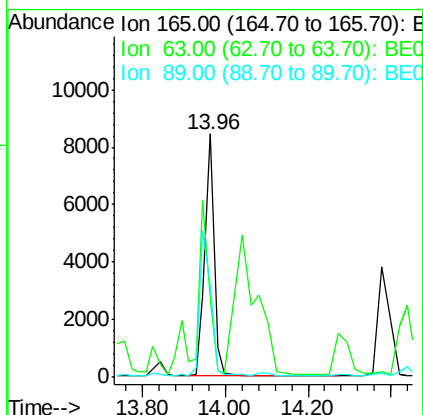
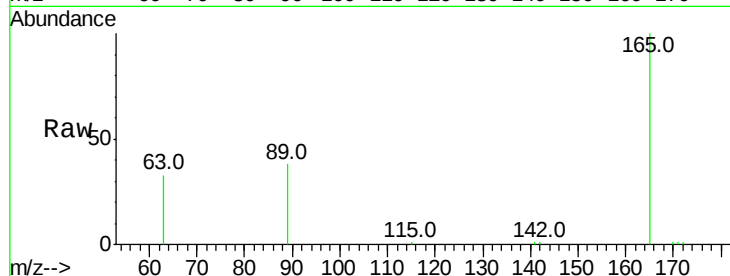




#19
2,6-Dinitrotoluene
Concen: 4.04 ng
RT: 13.96 min Scan# 609
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

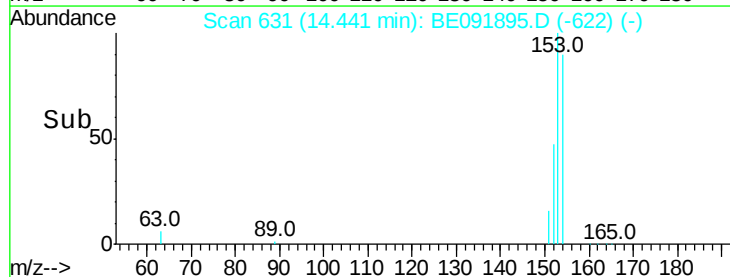
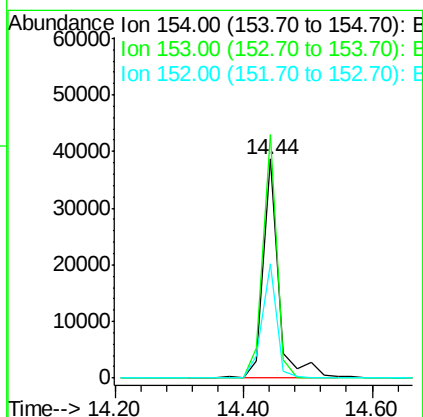
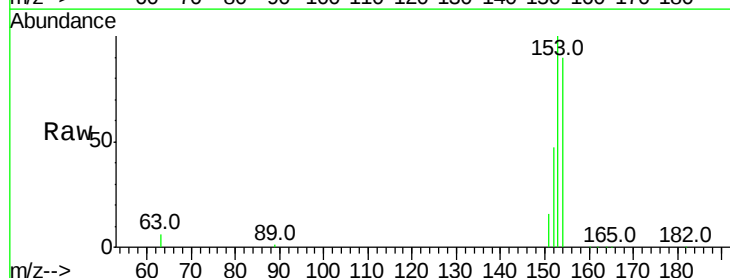
Instrument :
BNA_E
ClientSampleId :

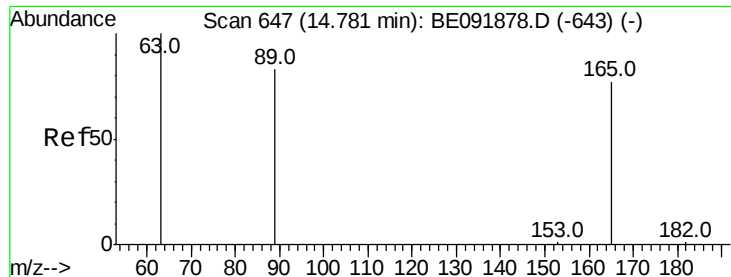
Tot Ion:165 Resp: 15683
Ion Ratio Lower Upper
165 100
63 81.1 65.9 98.9
89 67.7 59.1 88.7



#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

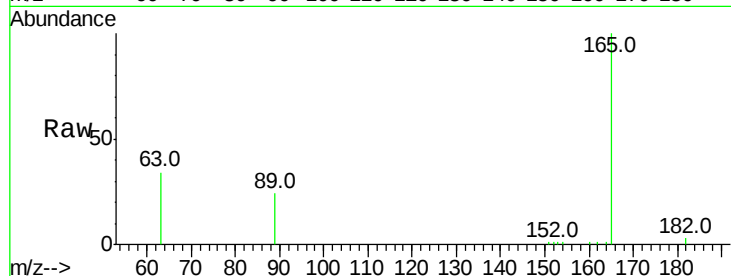




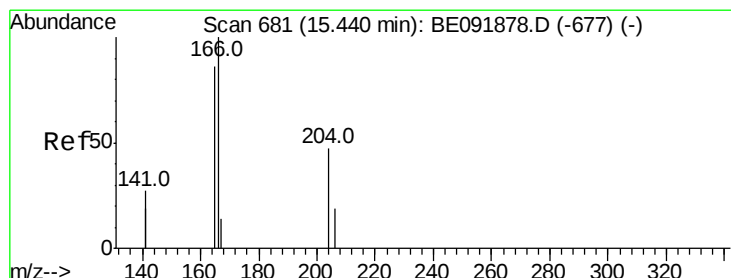
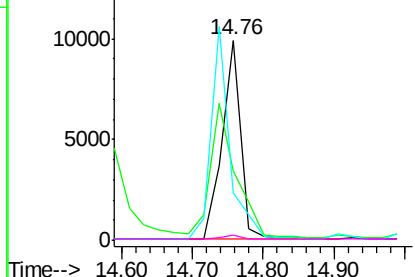
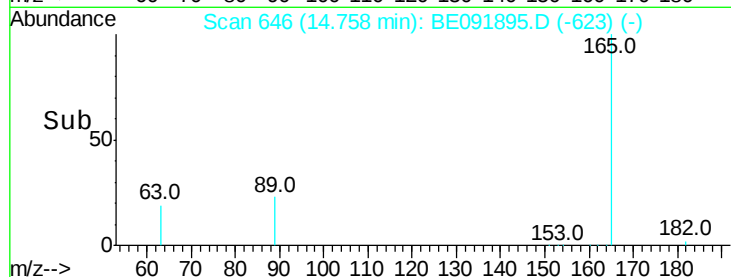
#21
2,4-Dinitrotoluene
Concen: 4.08 ng
RT: 14.76 min Scan# 646
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

Instrument :
BNA_E
ClientSampleId :

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#

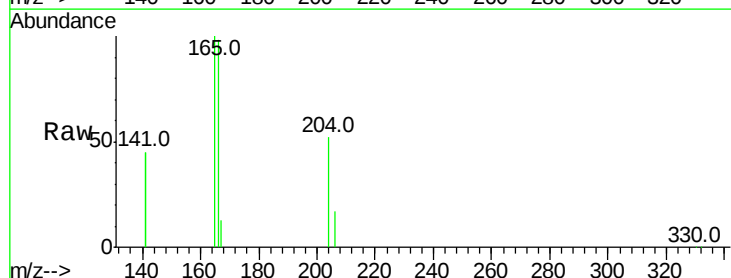


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

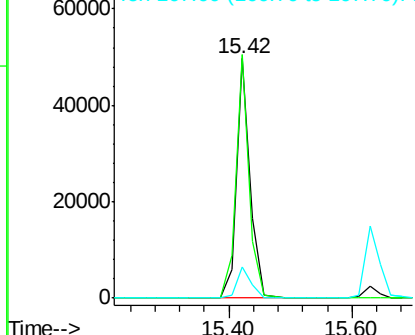
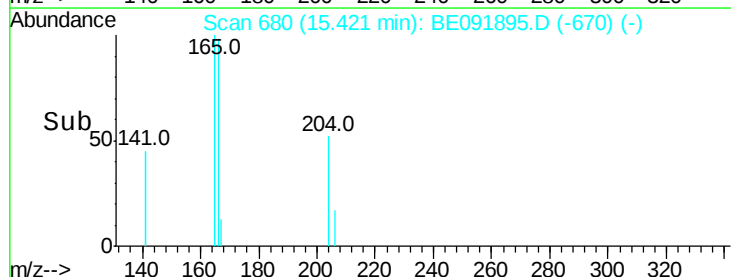


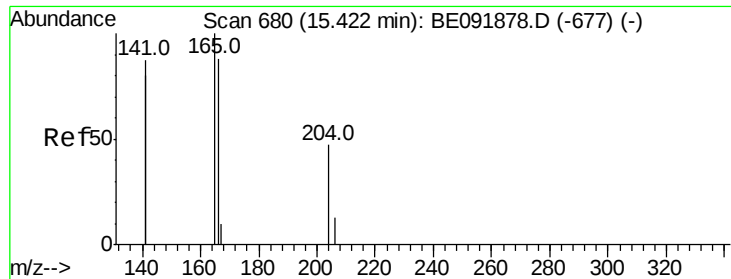
#22
Fluorene
Concen: 3.92 ng
RT: 15.42 min Scan# 680
Delta R.T. -0.02 min
Lab File: BE091895.D
Acq: 8 Jun 2016 3:11

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



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

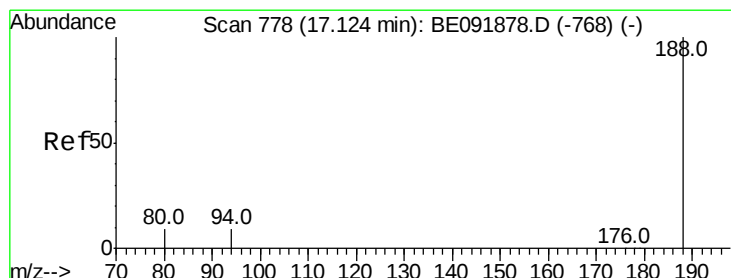
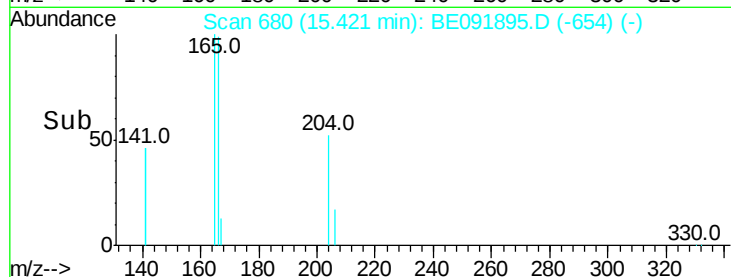
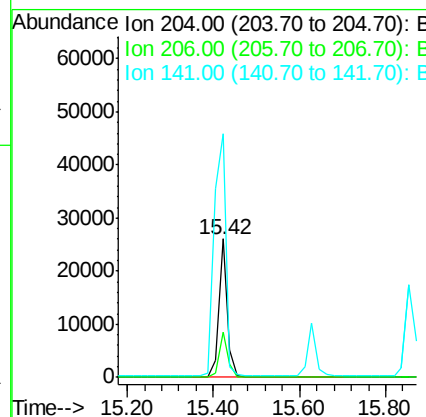
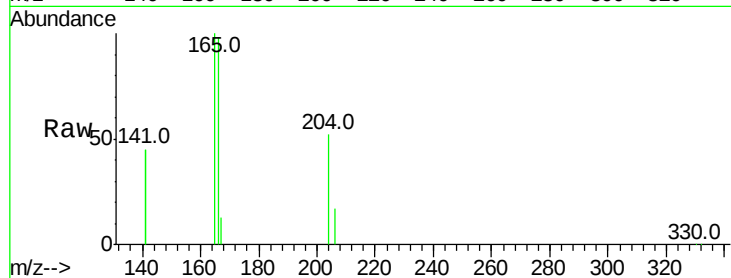




#23
 4-Chlorophenyl-phenylether
 Concen: 3.80 ng
 RT: 15.42 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BE091895.D
 Acq: 8 Jun 2016 3:11

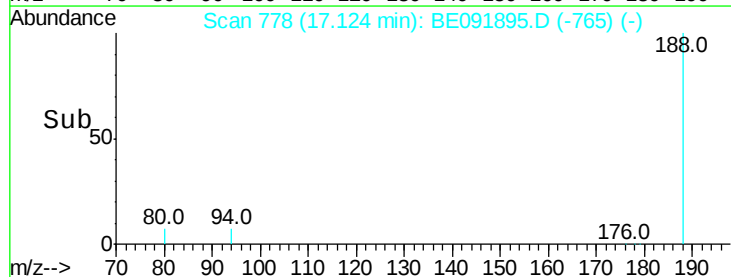
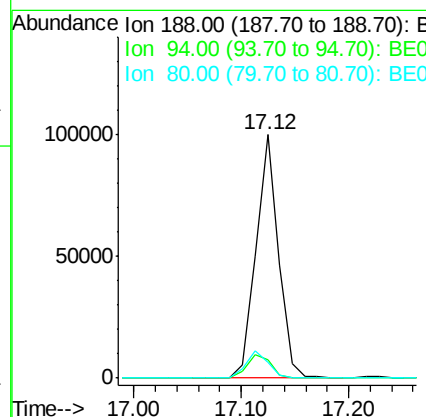
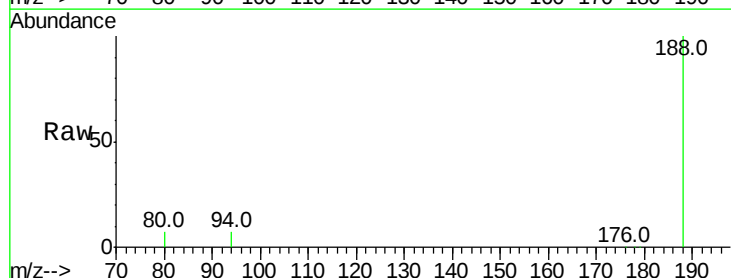
Instrument :
 BNA_E
 ClientSampled :

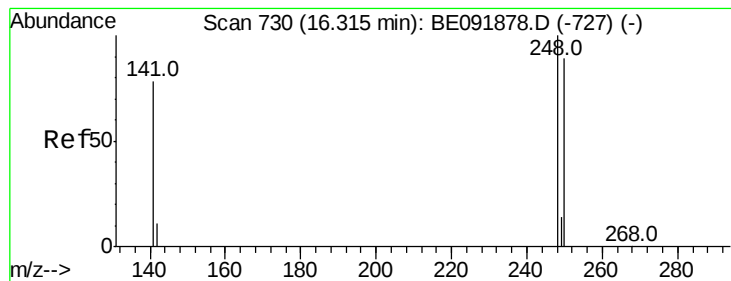
Tot Ion:204 Resp: 36196
 Ion Ratio Lower Upper
 204 100
 206 34.1 27.8 41.6
 141 241.9 197.6 296.4



#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 :

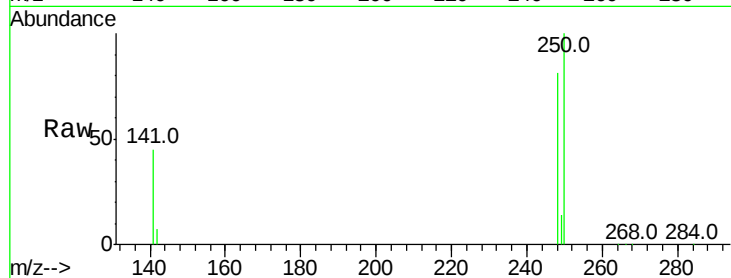
Tot Ion:248 Resp: 21472

Ion Ratio Lower Upper

248 100

250 101.0 75.7 113.5

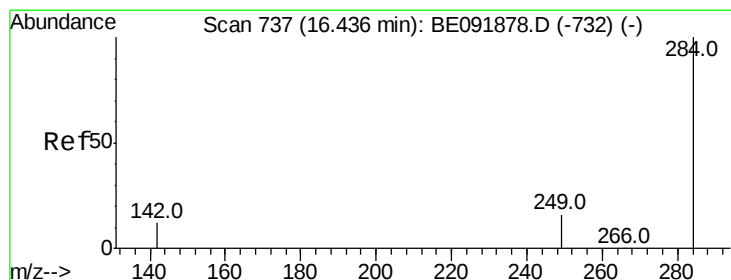
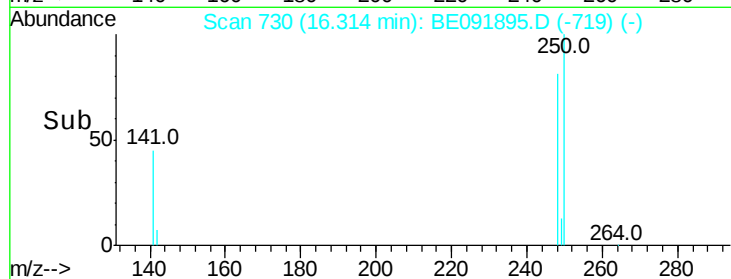
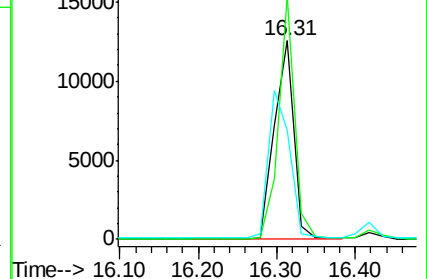
141 81.5 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 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

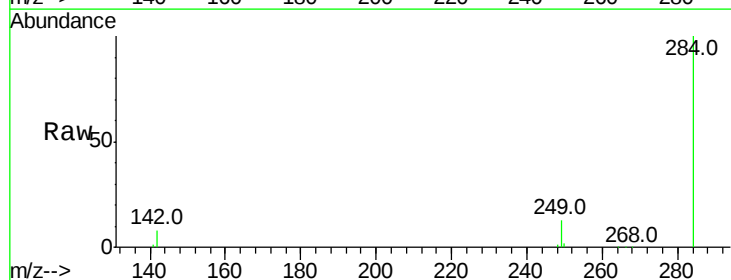
Tgt Ion:284 Resp: 22397

Ion Ratio Lower Upper

284 100

142 40.9 31.4 47.2

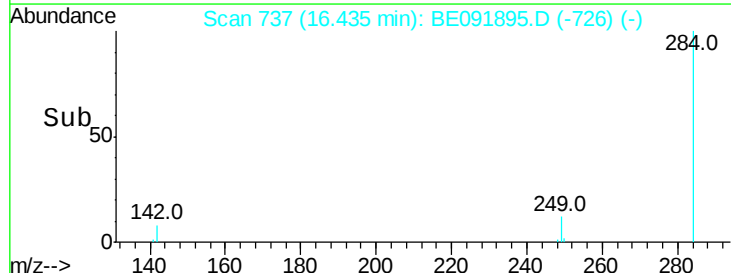
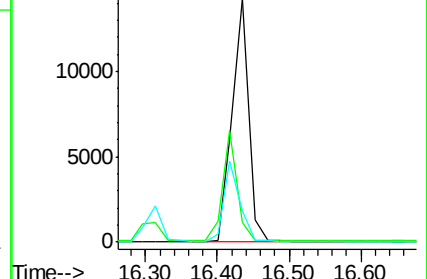
249 32.0 25.3 37.9

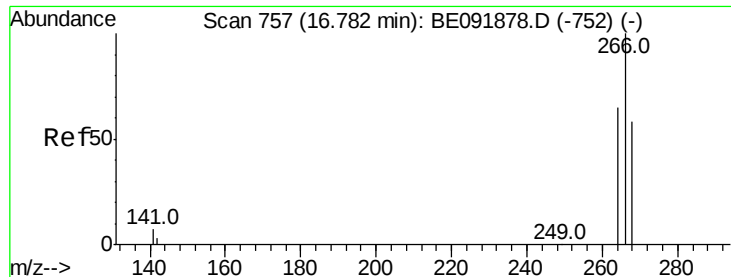


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 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 :

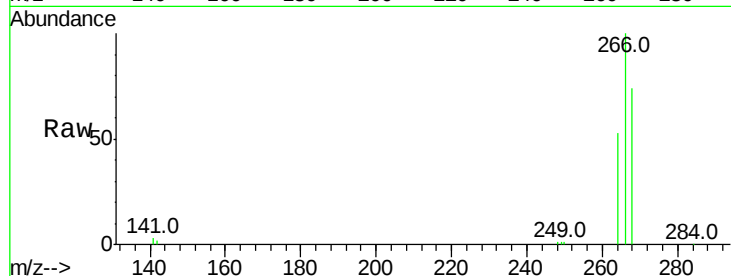
Tot Ion:266 Resp: 23911

Ion Ratio Lower Upper

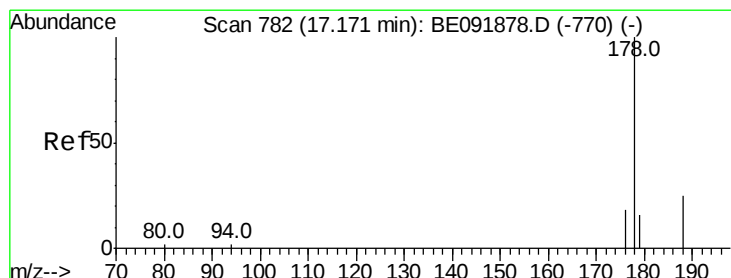
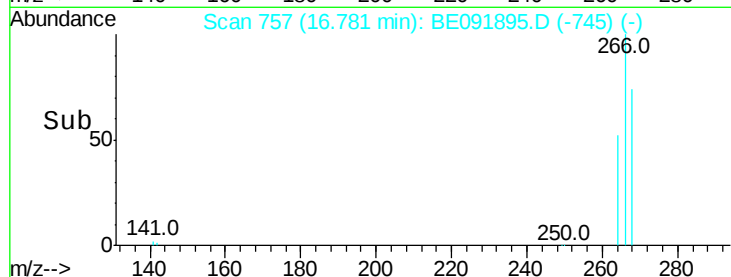
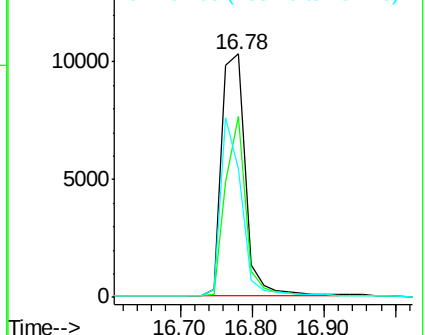
266 100

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

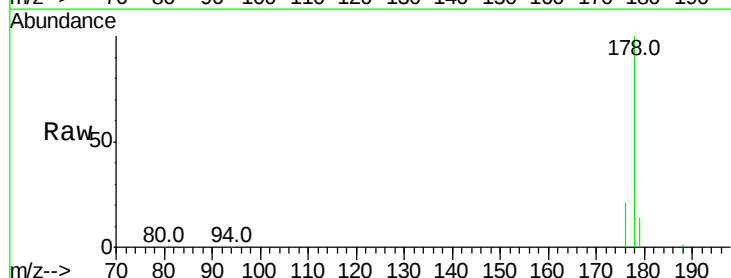
Tgt Ion:178 Resp: 138239

Ion Ratio Lower Upper

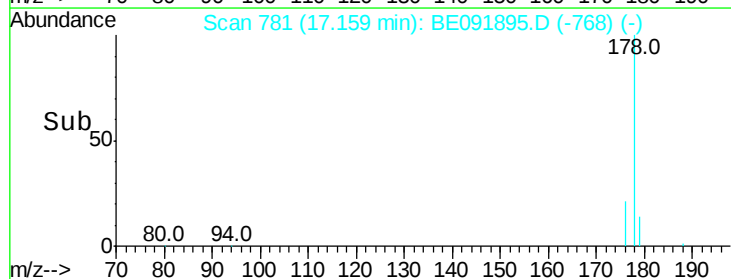
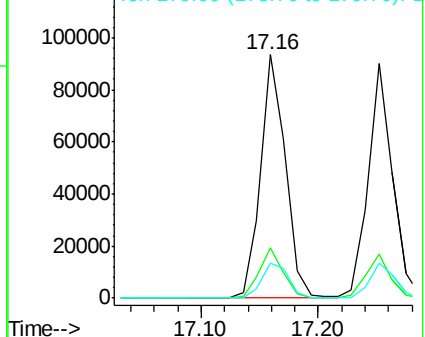
178 100

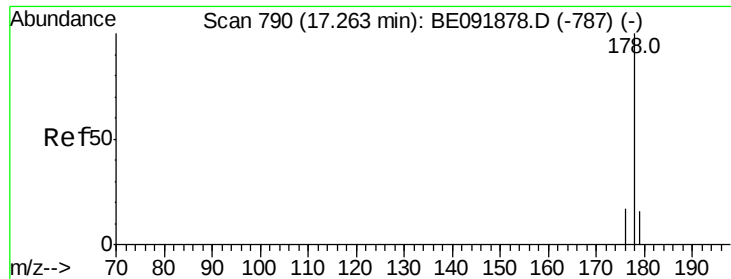
176 19.6 15.4 23.2

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

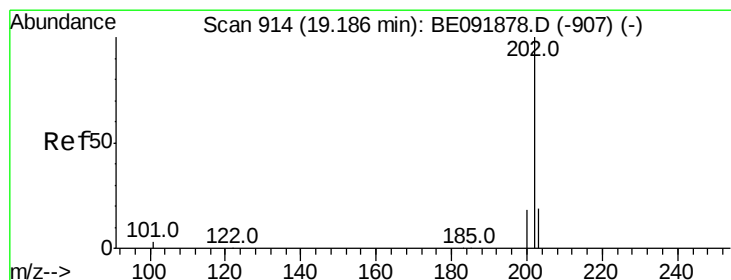
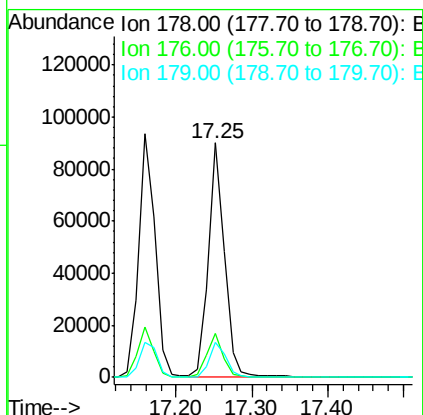
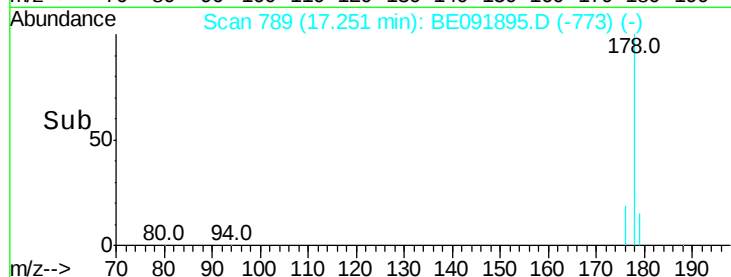
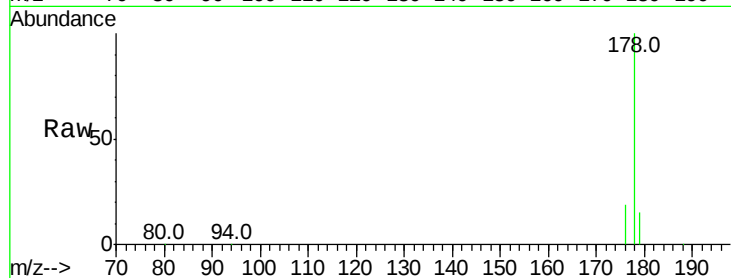




#29
 Anthracene
 Concen: 4.38 ng
 RT: 17.25 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BE091895.D
 Acq: 8 Jun 2016 3:11

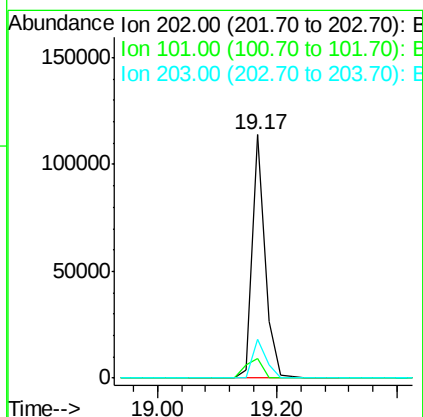
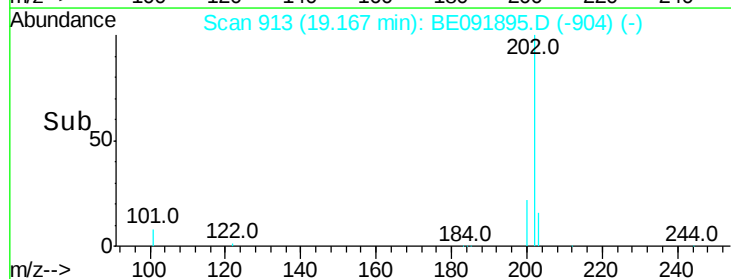
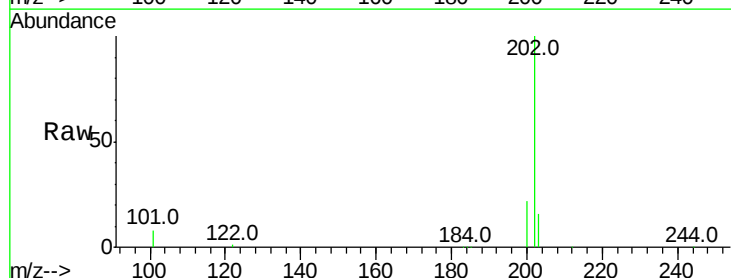
Instrument :
 BNA_E
 ClientSampleId :

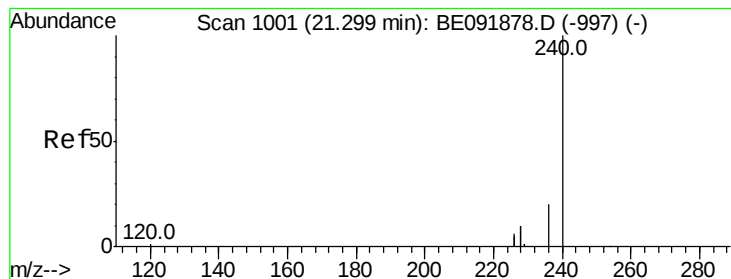
Tot Ion:178 Resp: 131499
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.2 12.1 18.1



#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





#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 :

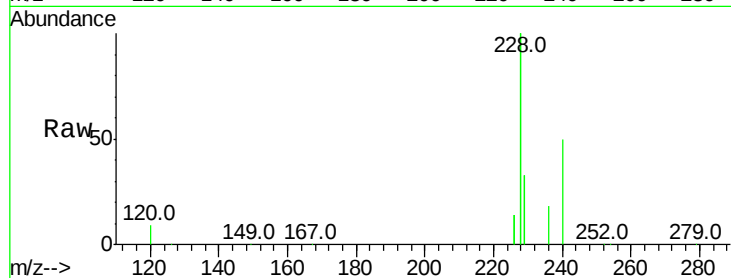
Tot Ion:240 Resp: 143342

Ion Ratio Lower Upper

240 100

120 18.5 1.2 1.8#

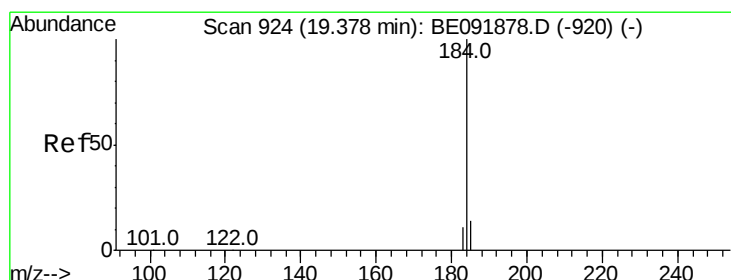
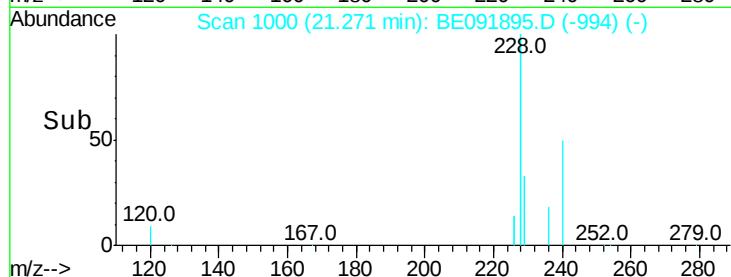
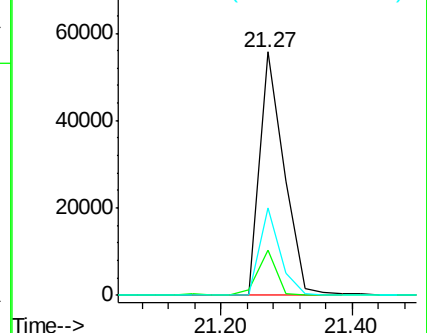
236 36.1 19.8 29.8#



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

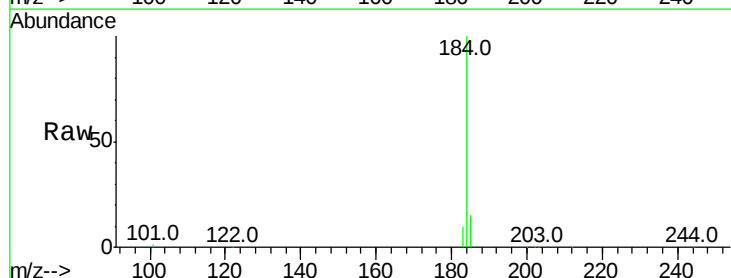
Tgt Ion:184 Resp: 65969

Ion Ratio Lower Upper

184 100

185 14.6 11.4 17.2

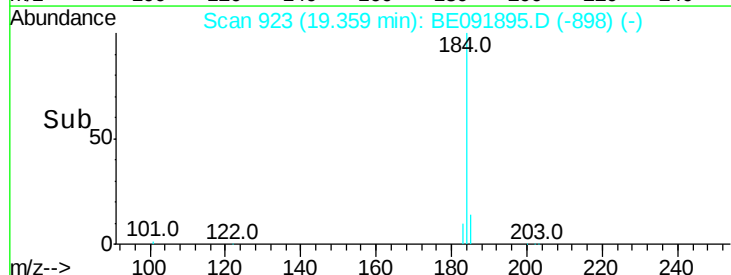
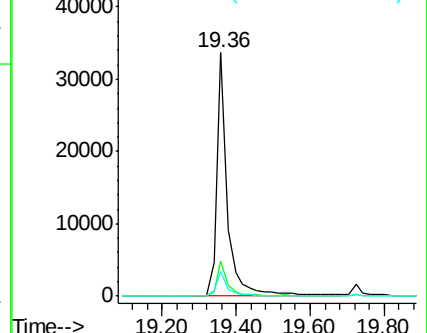
183 10.4 11.8 17.6#

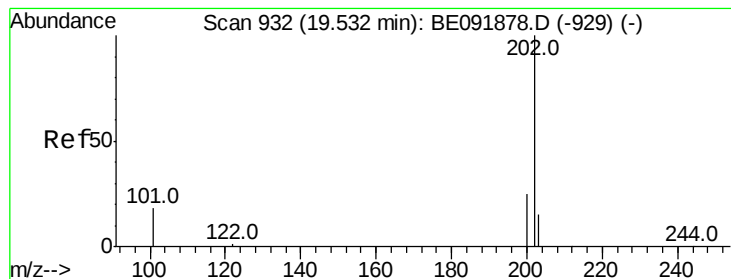


Abundance Ion 184.00 (183.70 to 184.70): E

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 :

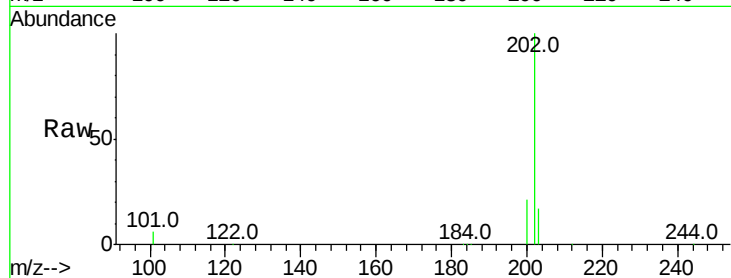
Tot Ion:202 Resp: 186511

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

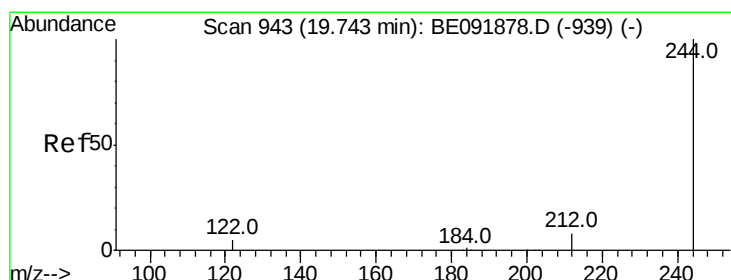
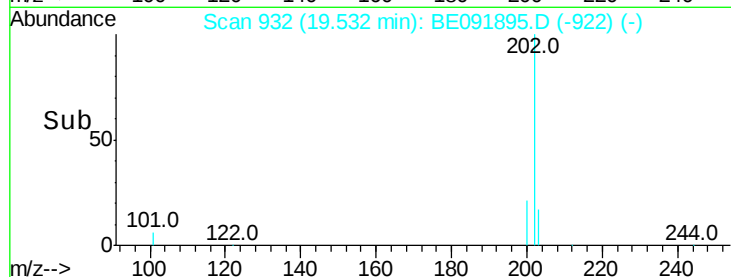
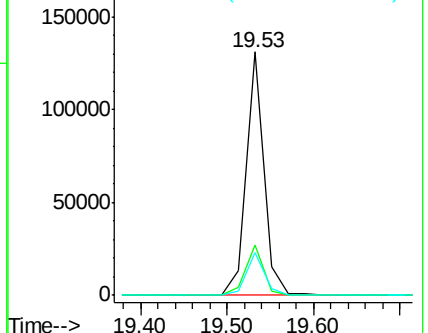
203 18.0 14.1 21.1



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

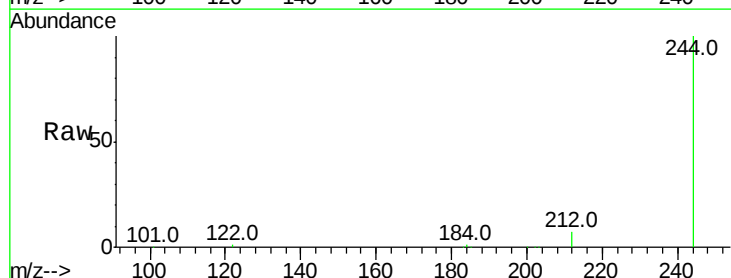
Tgt Ion:244 Resp: 119752

Ion Ratio Lower Upper

244 100

212 6.7 6.5 9.7

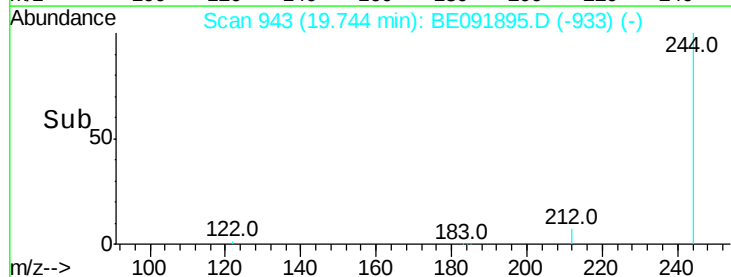
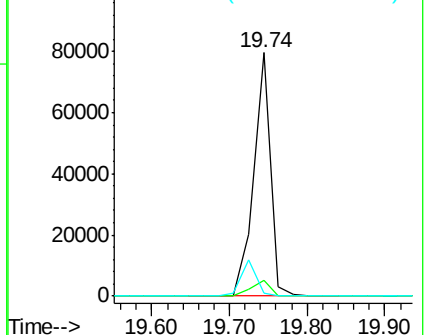
122 1.1 2.9 4.3#

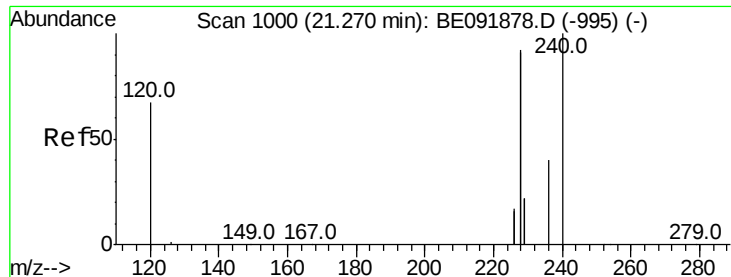


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 6.05 ng

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

ClientSampled :

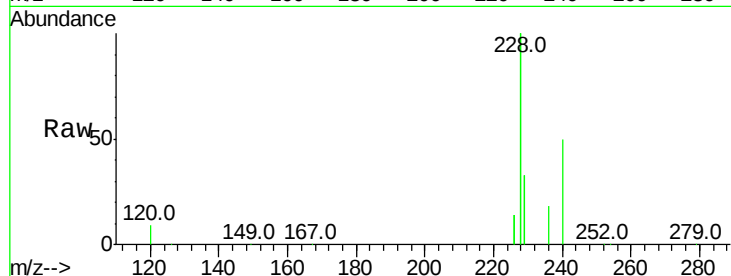
Tot Ion:228 Resp: 1051271

Ion Ratio Lower Upper

228 100

226 14.3 21.0 31.4#

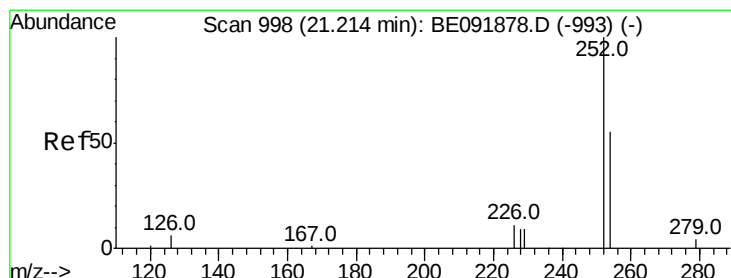
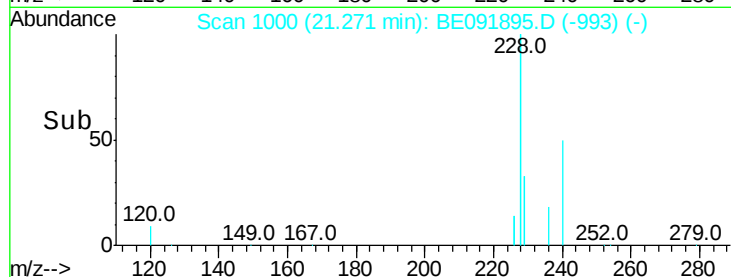
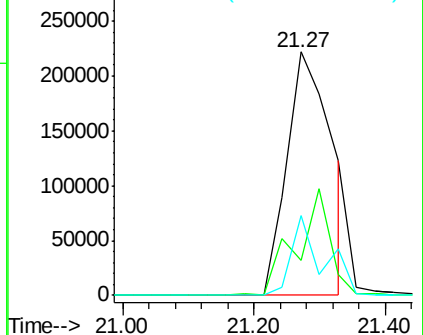
229 32.8 15.8 23.8#



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

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

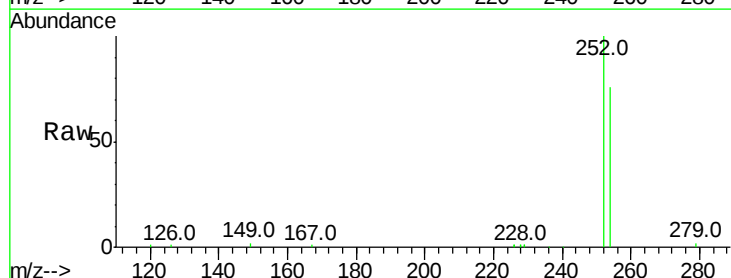
Tgt Ion:252 Resp: 49961

Ion Ratio Lower Upper

252 100

254 76.4 61.5 92.3

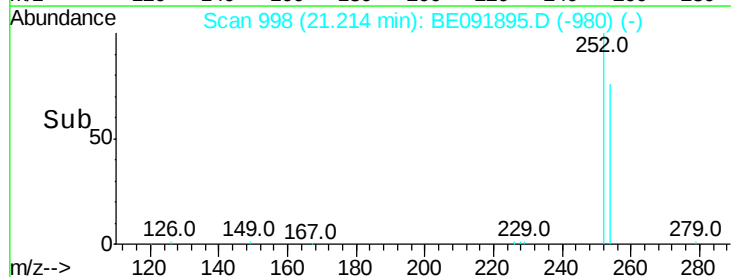
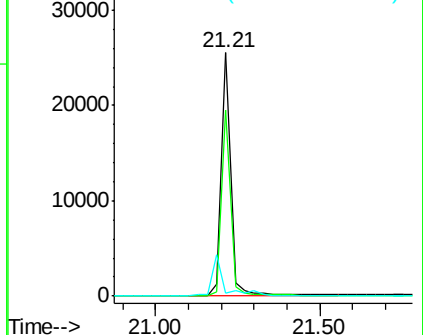
126 1.3 2.5 3.7#

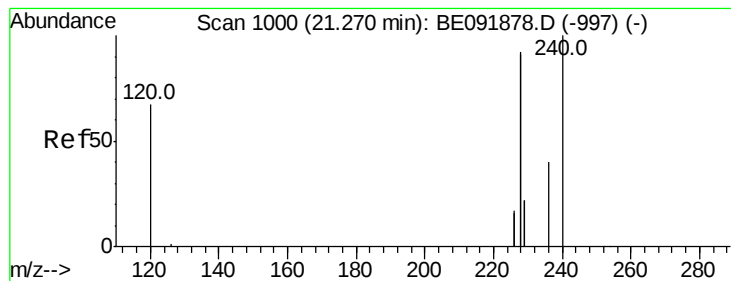


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 7.31 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :

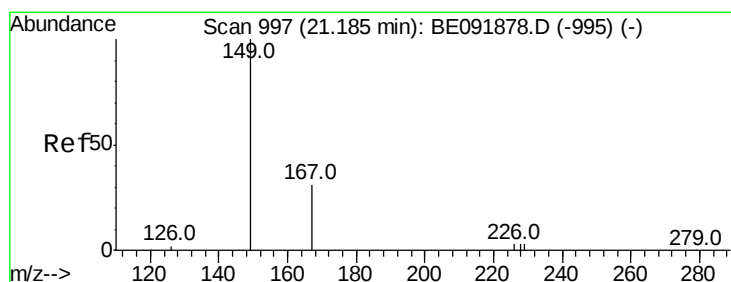
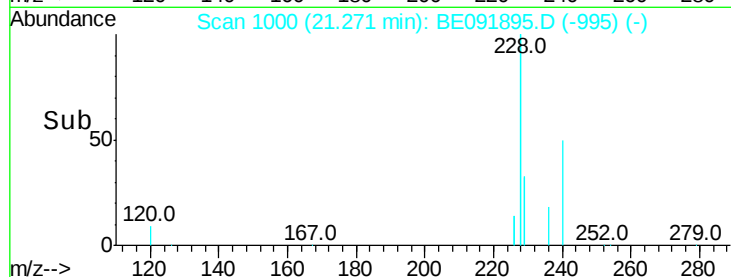
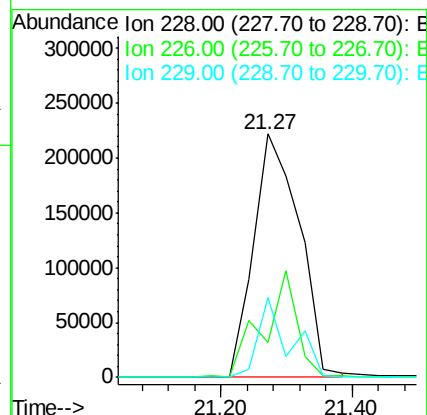
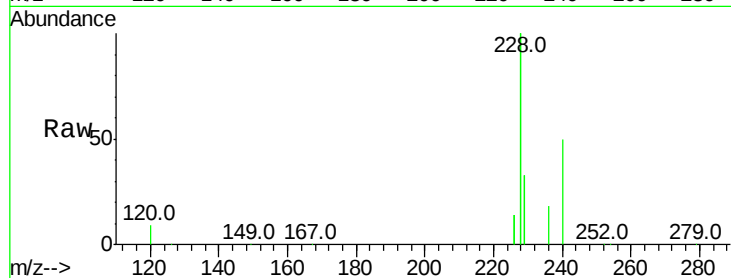
Tot Ion:228 Resp: 1069040

Ion Ratio Lower Upper

228 100

226 14.3 27.0 40.6#

229 32.8 13.8 20.8#



#38

Bis(2-ethylhexyl)phthalate

Concen: 2.95 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

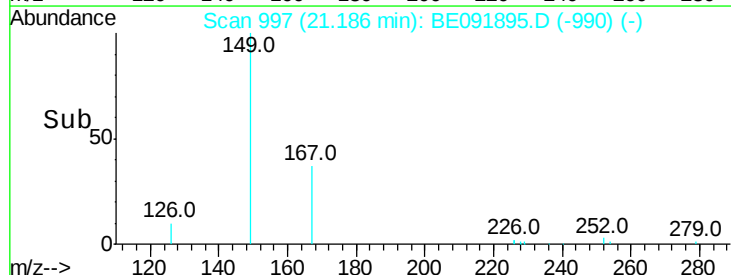
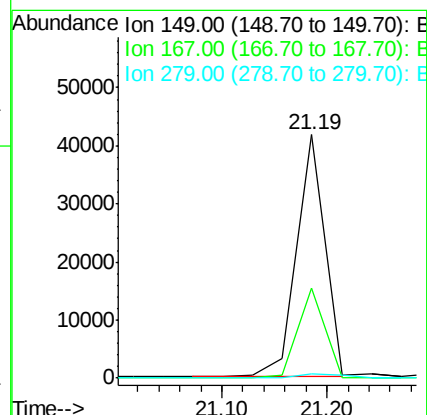
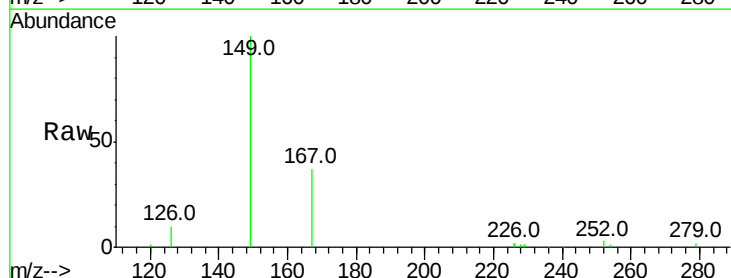
Tgt Ion:149 Resp: 76455

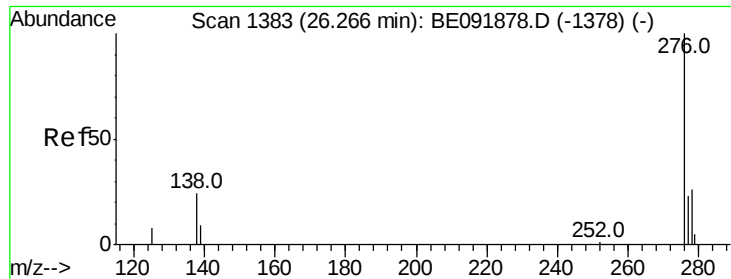
Ion Ratio Lower Upper

149 100

167 35.5 0.0 0.0#

279 2.1 0.0 0.0#





#39

Indeno(1,2,3-cd)pyrene

Concen: Below Cal

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 :

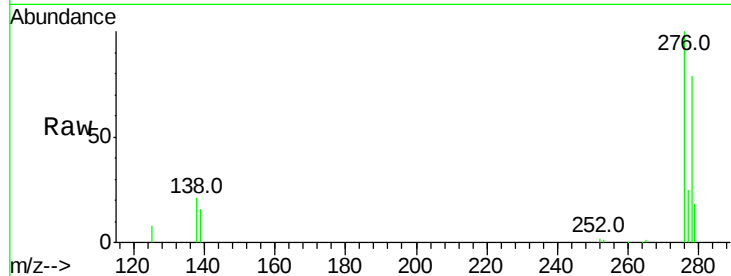
Tot Ion:276 Resp: 205310

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

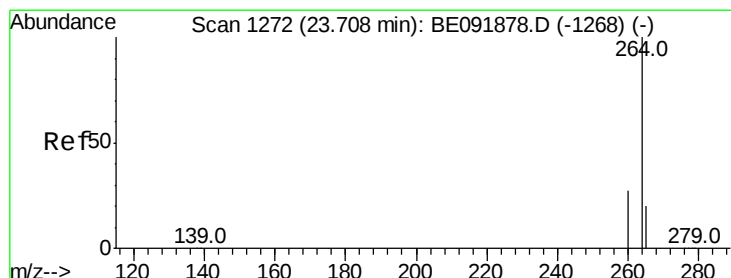
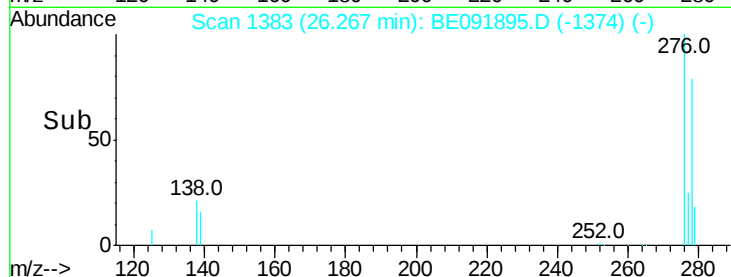
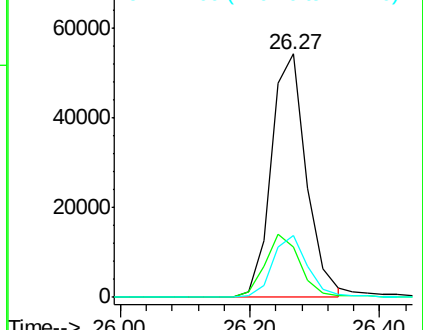
277 24.9 20.1 30.1



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

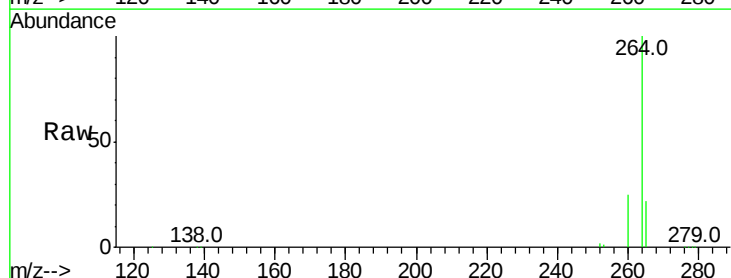
Tgt Ion:264 Resp: 187510

Ion Ratio Lower Upper

264 100

260 24.9 20.3 30.5

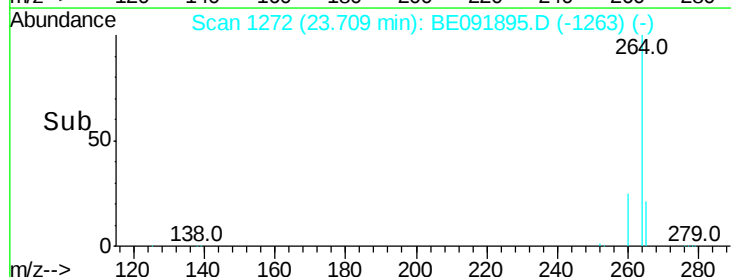
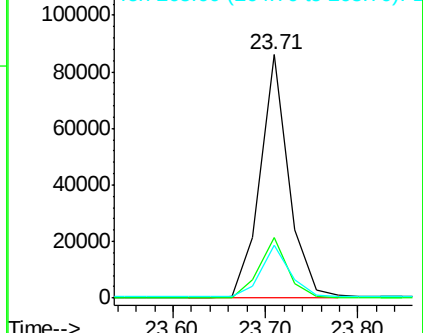
265 21.8 17.6 26.4

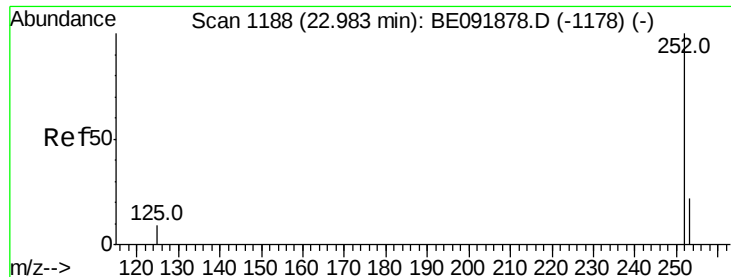


Abundance Ion 264.00 (263.70 to 264.70): E

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

ClientSampleId :

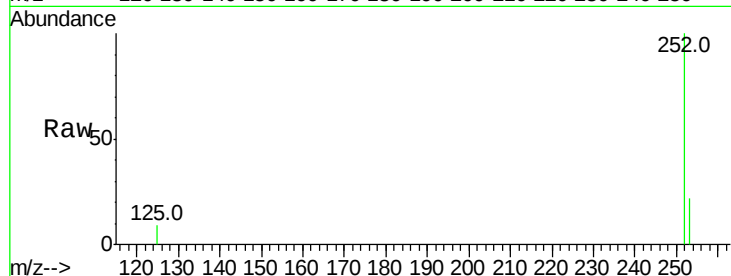
Tot Ion:252 Resp: 192568

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

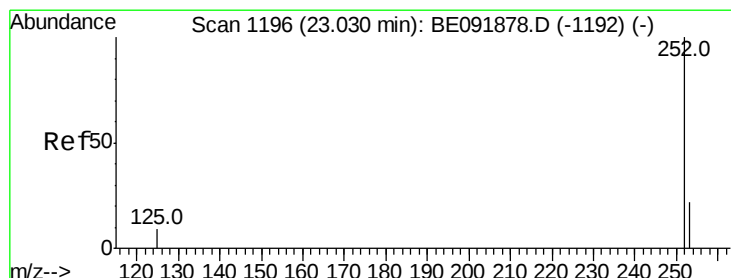
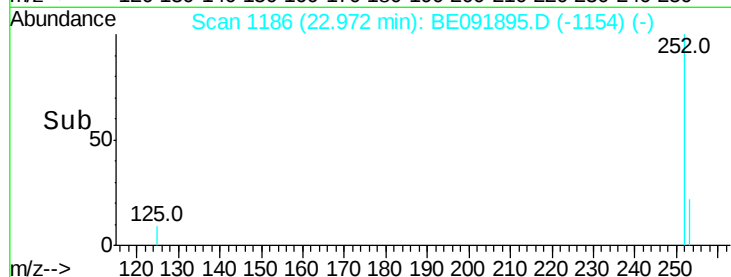
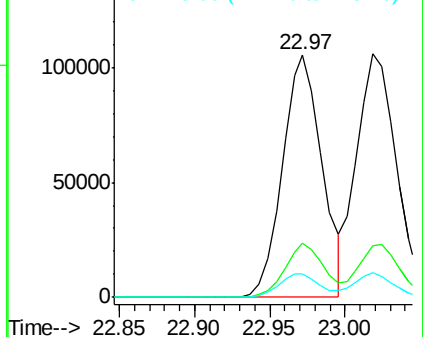
125 9.5 9.4 14.2



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

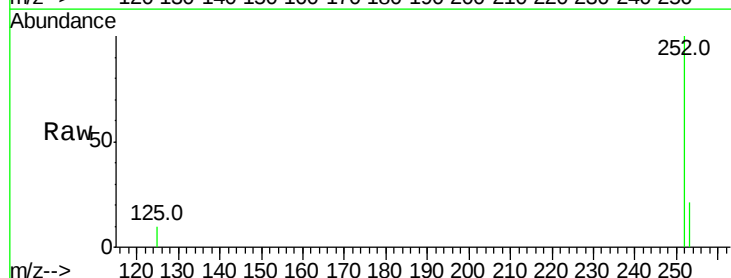
Tgt Ion:252 Resp: 200356

Ion Ratio Lower Upper

252 100

253 21.1 19.4 29.2

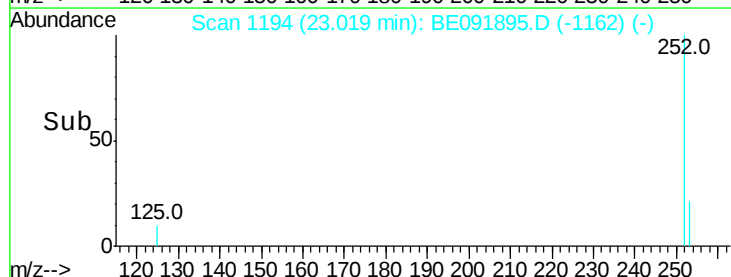
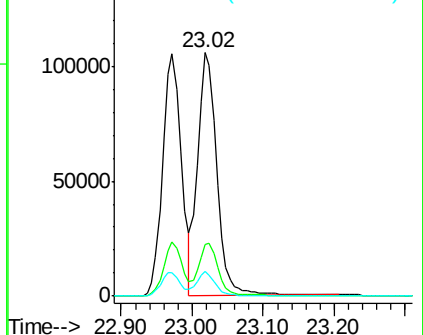
125 9.9 8.3 12.5

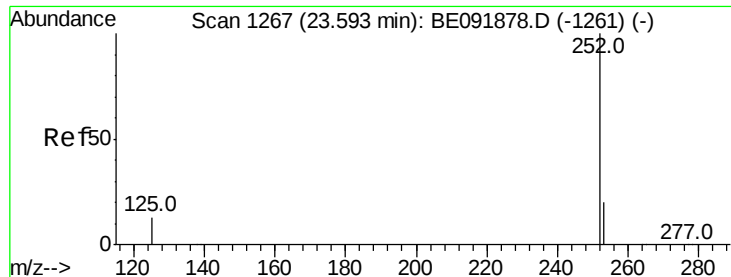


Abundance Ion 252.00 (251.70 to 252.70): E

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 :

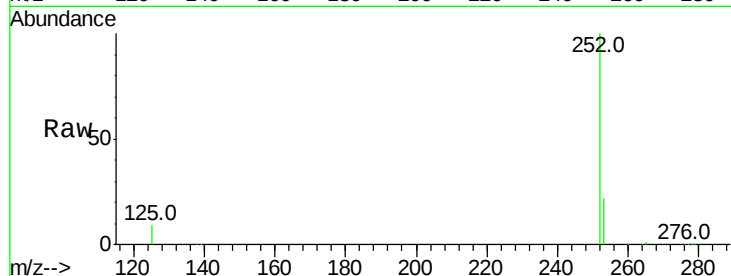
Tot Ion:252 Resp: 186775

Ion Ratio Lower Upper

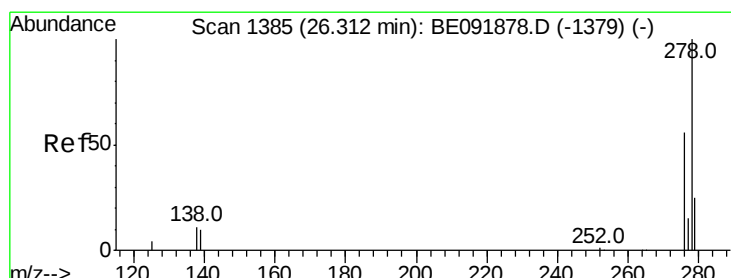
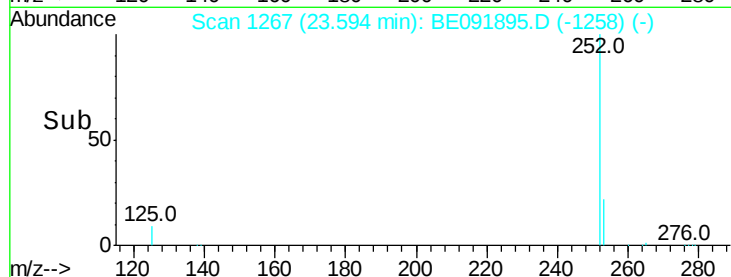
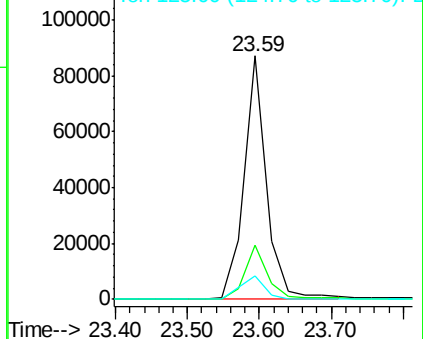
252 100

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

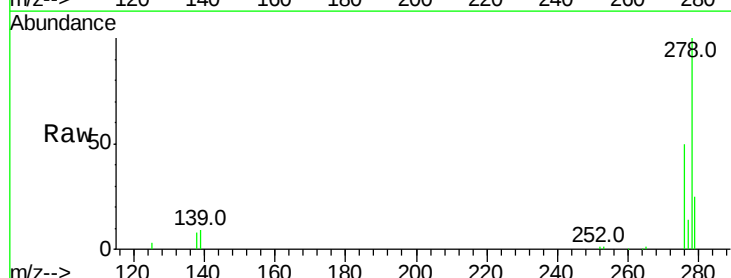
Tgt Ion:278 Resp: 175442

Ion Ratio Lower Upper

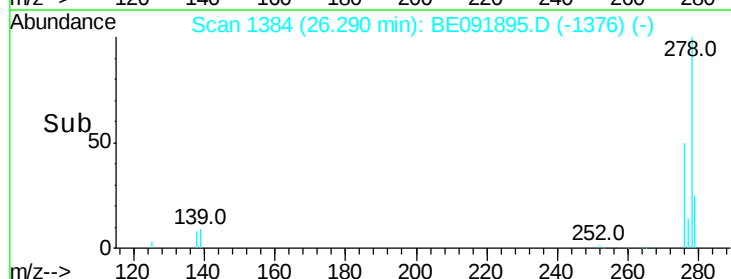
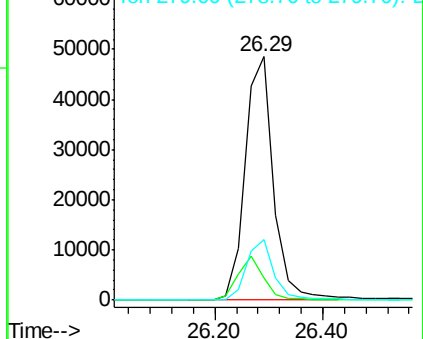
278 100

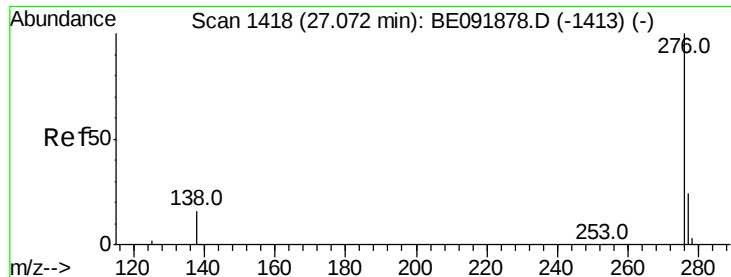
139 8.9 12.6 18.8#

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

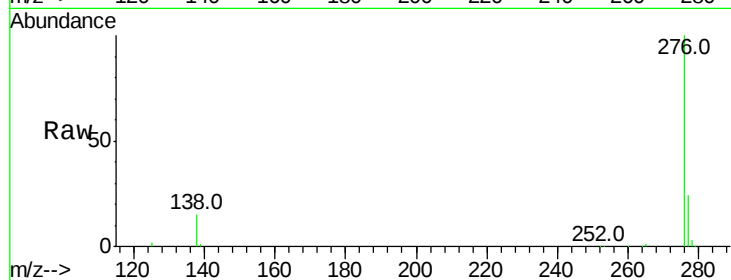
Lab File: BE091895.D

Acq: 8 Jun 2016 3:11

Instrument :

BNA_E

ClientSampleId :



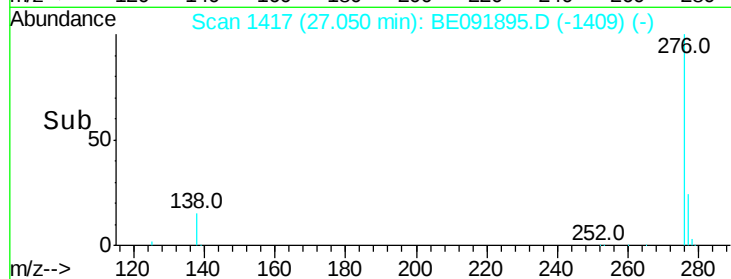
Tot Ion: 276 Resp: 176456

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

