

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080116\
 Data File : BE092095.D
 Acq On : 1 Aug 2016 16:12
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 01 16:57:30 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 15:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9783	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	48525	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	24968	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	99504	5.00	ng	0.00
31) Chrysene-d12	21.74	240	99007	5.00	ng	0.00
40) Perylene-d12	24.15	264	90061	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	26614	12.21	ng	-0.02
5) Phenol-d6	7.33	99	37789	12.99	ng	0.00
9) Nitrobenzene-d5	9.35	82	37769	10.45	ng	0.00
16) 2,4,6-Tribromophenol	16.32	330	16577	18.93	ng	-0.02
17) 2-Fluorobiphenyl	13.46	172	91631	9.16	ng	0.00
34) Terphenyl-d14	20.21	244	96195	5.22	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	11654	8.67	ng	95
3) n-Nitrosodimethylamine	3.77	42	18526	11.55	ng	# 97
6) bis(2-Chloroethyl)ether	7.59	93	30837	10.96	ng	96
7) n-Nitroso-di-n-propylamine	8.98	70	31594	13.60	ng	97
10) Nitrobenzene	9.38	77	41307	11.77	ng	97
11) bis(2-Chloroethoxy)methane	10.40	93	42016	10.38	ng	97
12) Naphthalene	11.02	128	104769	9.86	ng	# 96
13) Hexachlorobutadiene	11.32	225	16156	10.14	ng	# 96
14) 2-Methylnaphthalene	12.65	142	72729	10.60	ng	96
18) Acenaphthylene	14.58	152	547089	8.45	ng	# 93
19) 2,6-Dinitrotoluene	14.46	165	71470	10.75	ng	# 100
20) Acenaphthene	14.92	154	70276	10.30	ng	# 60
21) 2,4-Dinitrotoluene	15.25	165	127964	15.21	ng	# 1
22) Fluorene	15.89	166	109057	10.18	ng	99
23) 4-Chlorophenyl-phenylether	15.89	204	50896	9.67	ng	97
25) 4-Bromophenyl-phenylether	16.76	248	32671	7.98	ng	96
26) Hexachlorobenzene	16.88	284	31418	7.40	ng	98
27) Pentachlorophenol	17.23	266	12489	10.53	ng	# 81
28) Phenanthrene	17.63	178	231934	9.17	ng	99
29) Anthracene	17.71	178	191278	8.31	ng	100
30) Fluoranthene	19.61	202	676173	6.01	ng	# 66
32) Benzidine	19.81	184	132192	27.13	ng	# 71
33) Pyrene	19.98	202	1096625	8.60	ng	95
35) Benzo(a)anthracene	21.72	228	443477	9.37	ng	94
36) 3,3'-Dichlorobenzidine	21.67	252	98282	10.77	ng	# 80
37) Chrysene	21.72	228	447043	11.14	ng	92
38) Bis(2-ethylhexyl)phthalate	21.65	149	187760	1.98	ng	# 28
39) Indeno(1,2,3-cd)pyrene	26.65	276	1014132	8.74	ng	100
41) Benzo(b)fluoranthene	23.40	252	226677	8.30	ng	98
42) Benzo(k)fluoranthene	23.45	252	232183	8.22	ng	95
43) Benzo(a)pyrene	24.03	252	224371	9.79	ng	94
44) Dibenzo(a,h)anthracene	26.69	278	210744	10.53	ng	# 91
45) Benzo(a,h,i)perylene	27.42	276	868548	10.40	ng	96

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 15:59:29 2016
Response via : Initial Calibration

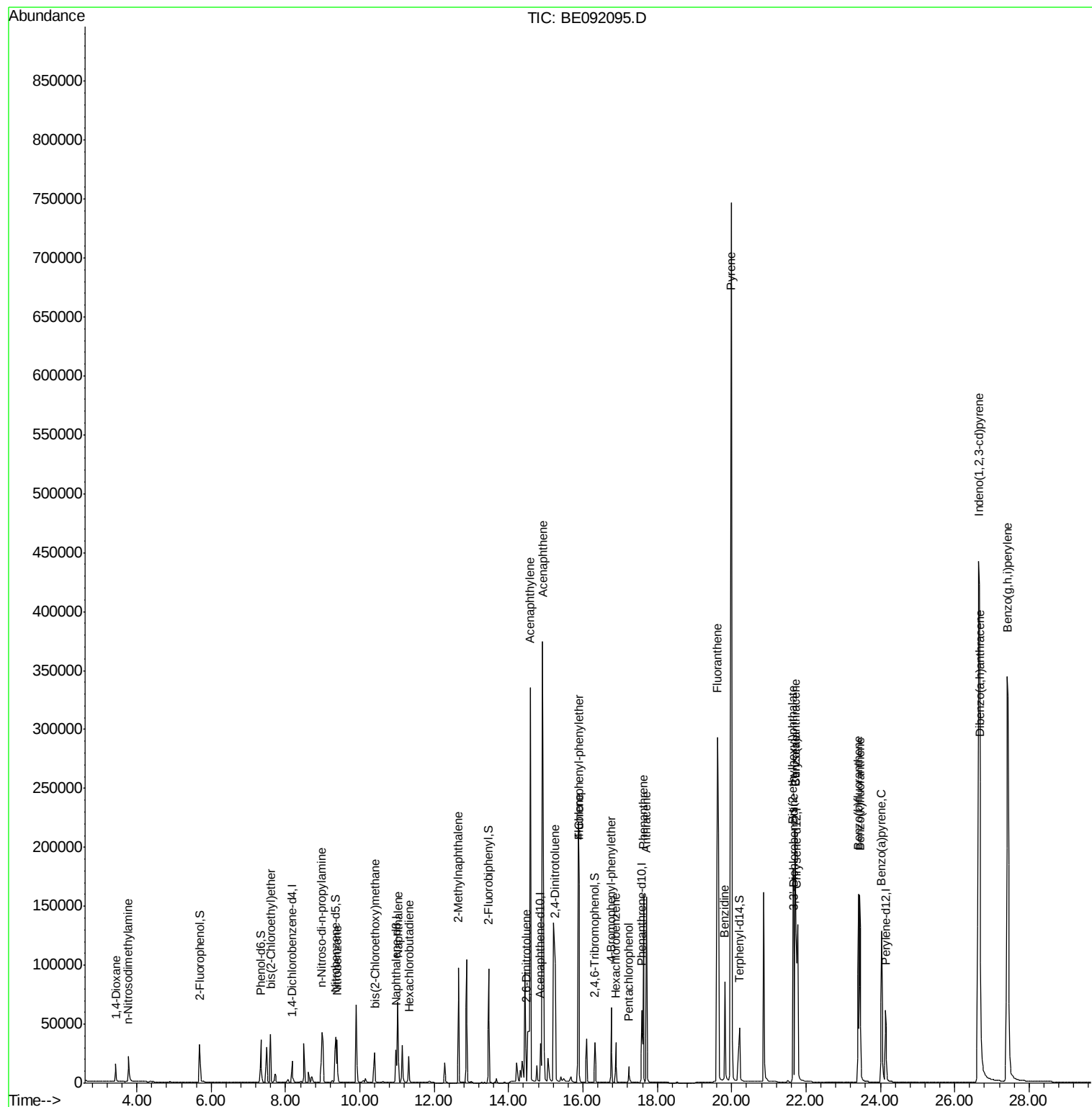
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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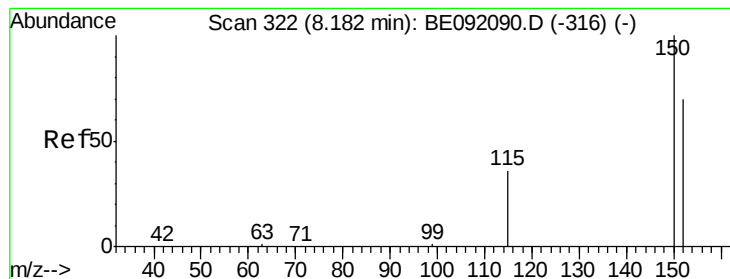
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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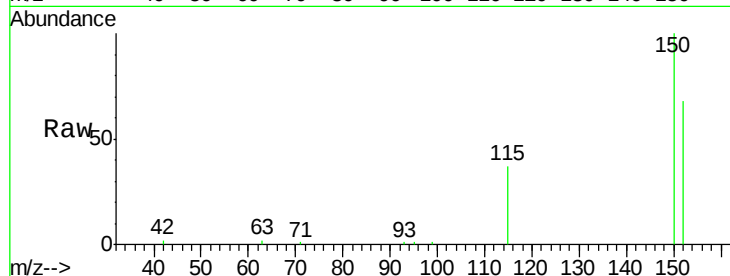


#1

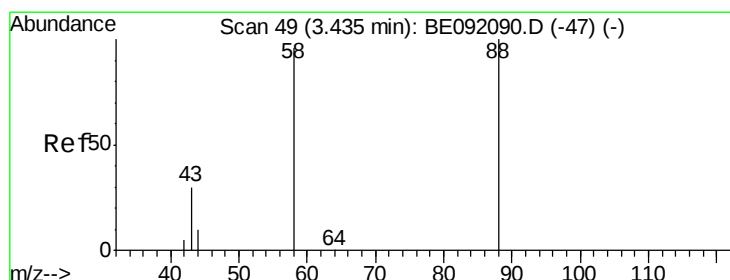
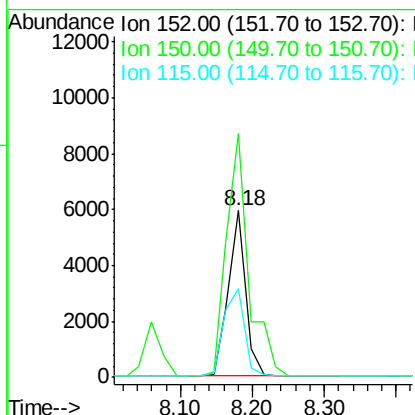
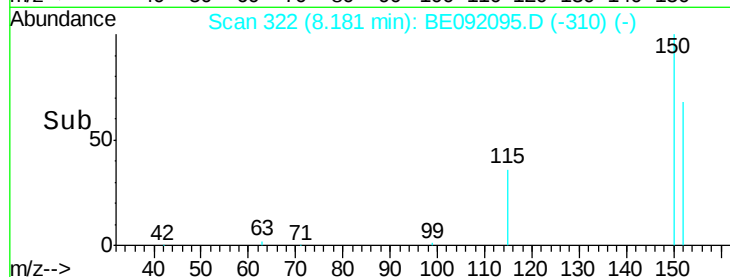
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.18 min Scan# 322
Delta R.T. -0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 9783
Ion Ratio Lower Upper
152 100
150 146.2 106.0 159.0
115 53.6 36.9 55.3



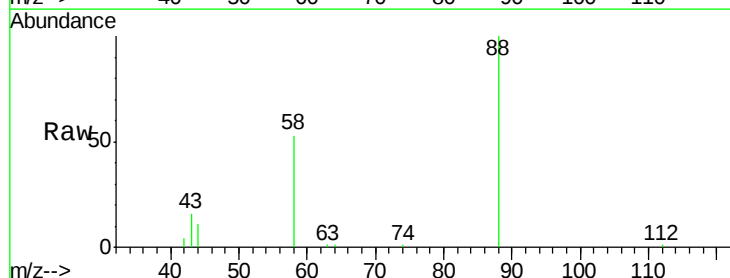
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



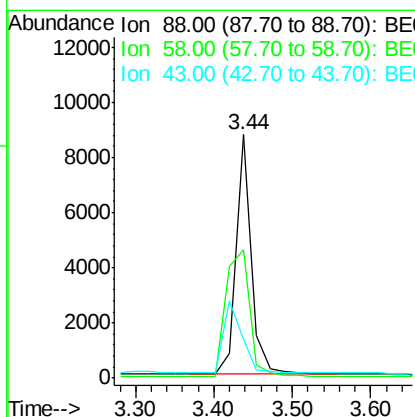
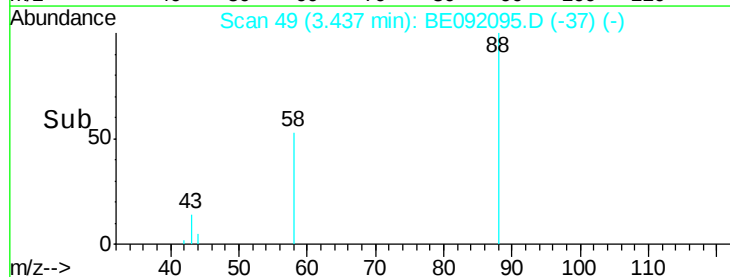
#2

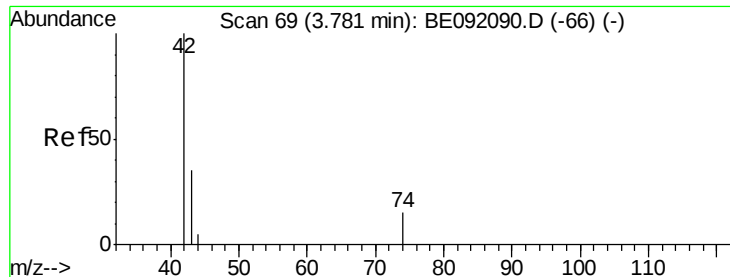
1,4-Dioxane
Concen: 8.67 ng
RT: 3.44 min Scan# 49
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion: 88 Resp: 11654
Ion Ratio Lower Upper
88 100
58 83.0 62.1 93.1
43 36.2 27.2 40.8



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



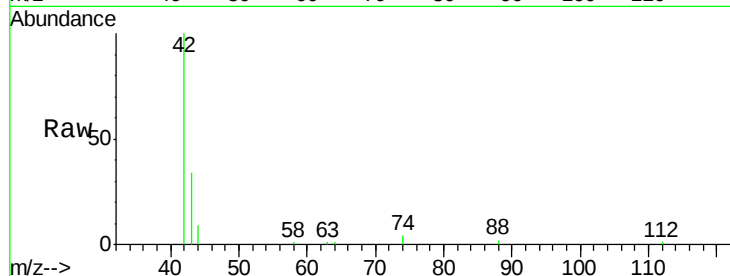


#3

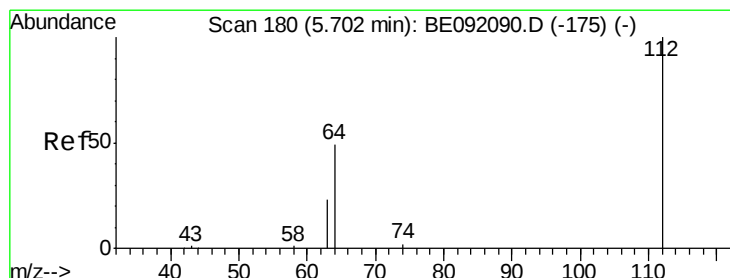
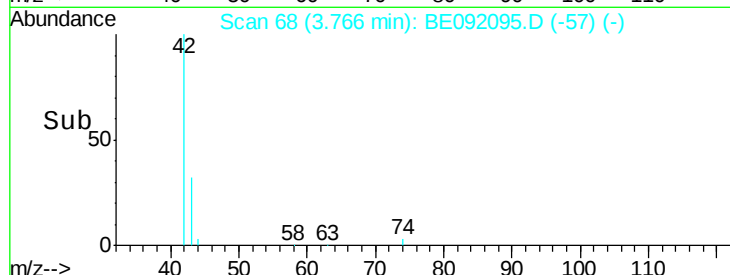
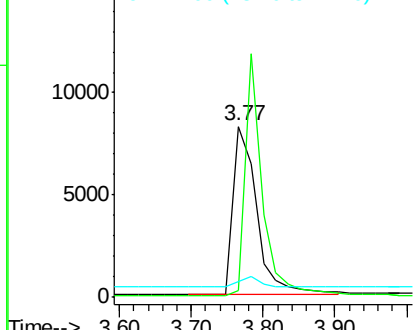
n-Nitrosodimethylamine
Concen: 11.55 ng
RT: 3.77 min Scan# 68
Delta R.T. -0.02 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 18526
Ion Ratio Lower Upper
42 100
74 105.3 82.8 124.2
44 6.1 9.0 13.4#



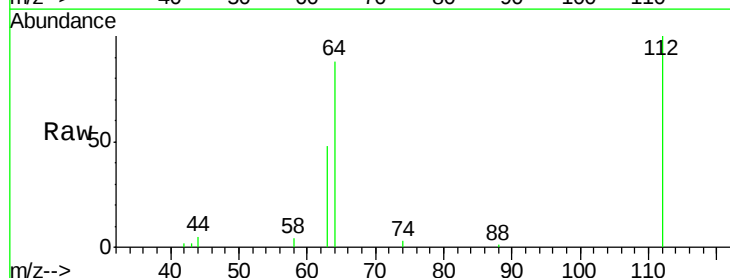
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



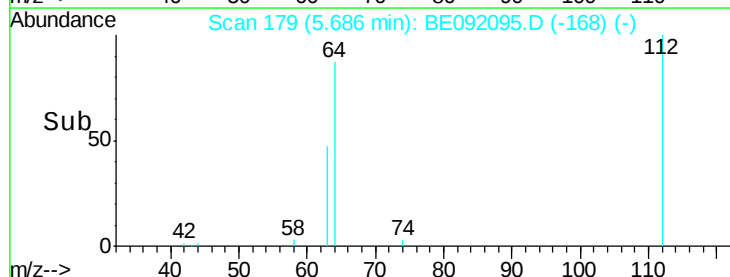
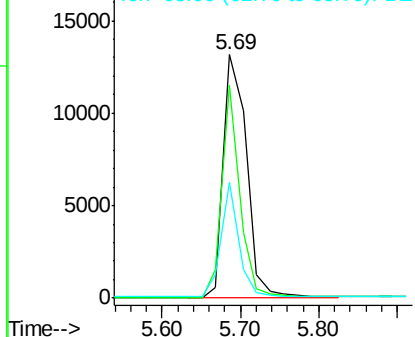
#4

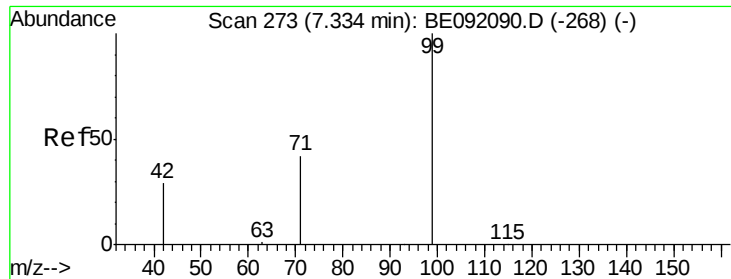
2-Fluorophenol
Concen: 12.21 ng
RT: 5.69 min Scan# 179
Delta R.T. -0.02 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion: 112 Resp: 26614
Ion Ratio Lower Upper
112 100
64 67.8 55.9 83.9
63 36.4 31.1 46.7



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: 12.99 ng

RT: 7.33 min Scan# 273

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

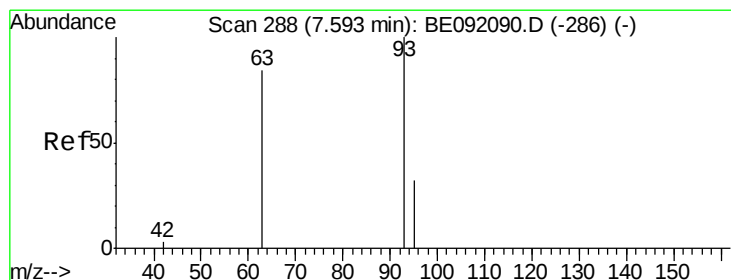
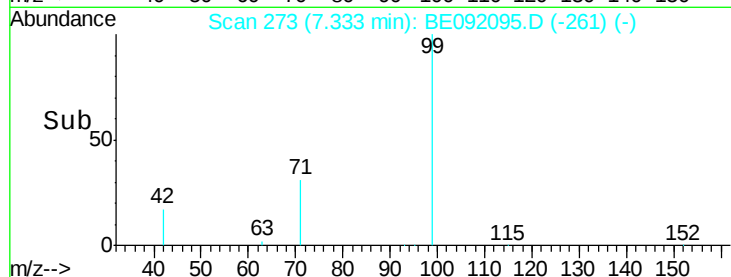
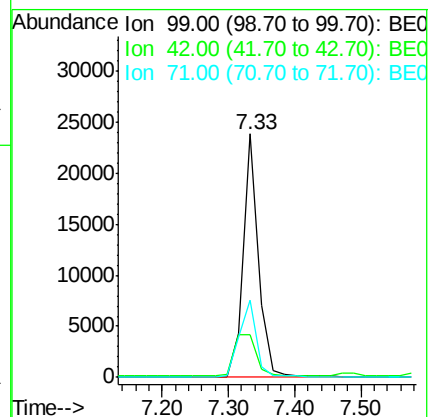
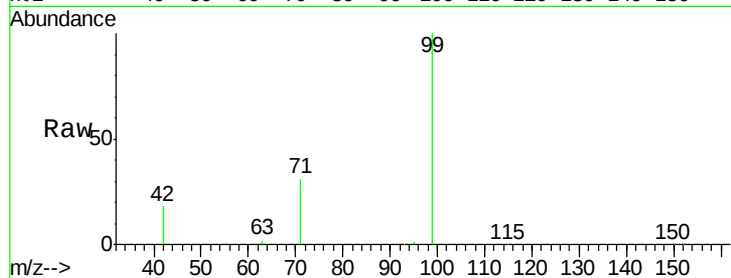
Tot Ion: 99 Resp: 37789

Ion Ratio Lower Upper

99 100

42 25.9 22.4 33.6

71 35.1 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 10.96 ng

RT: 7.59 min Scan# 288

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

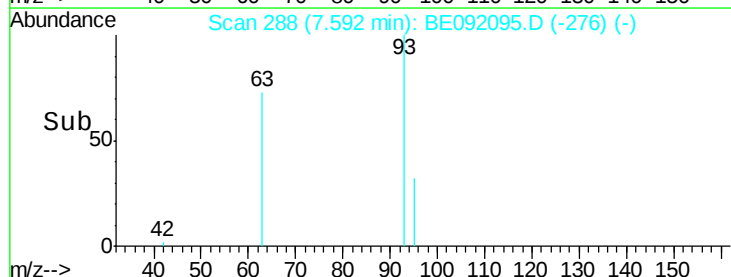
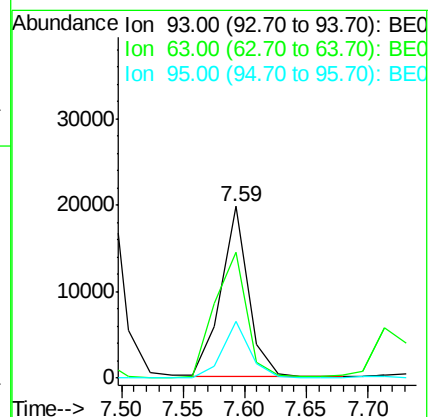
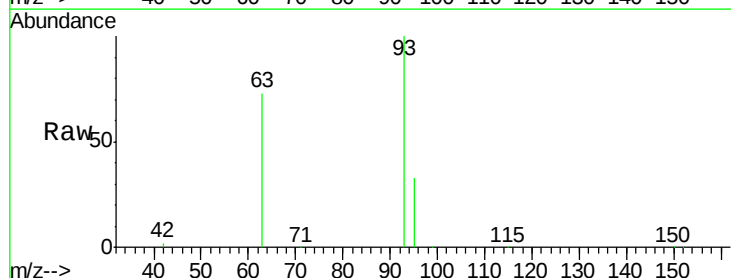
Tgt Ion: 93 Resp: 30837

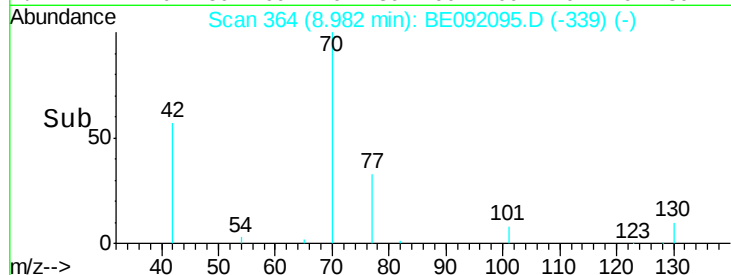
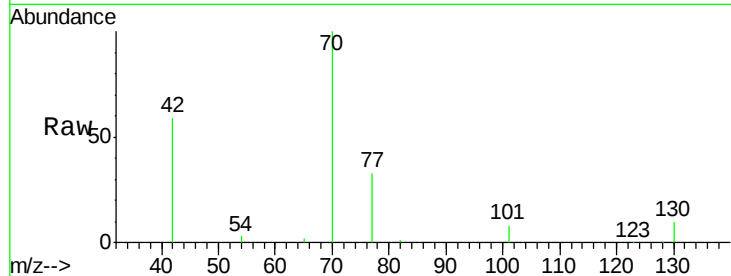
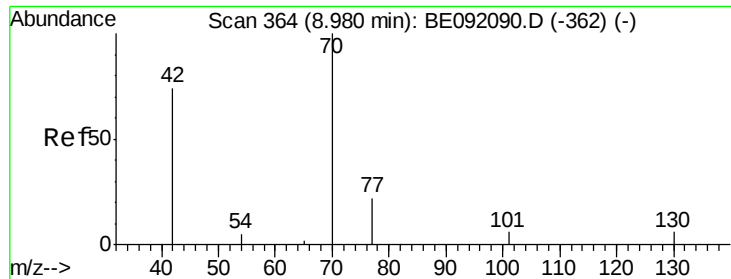
Ion Ratio Lower Upper

93 100

63 84.9 64.4 96.6

95 32.5 25.8 38.8





#7

n-Nitroso-di-n-propylamine

Concen: 13.60 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

Tot Ion: 70 Resp: 31594

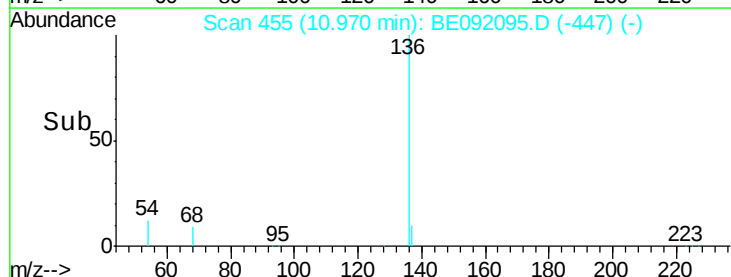
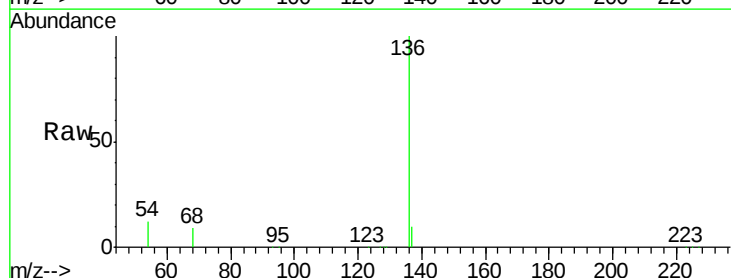
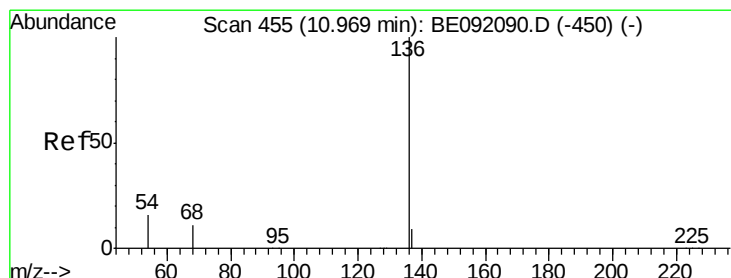
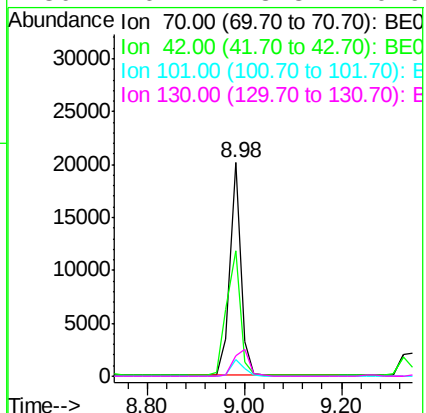
Ion Ratio Lower Upper

70 100

42 72.0 60.2 90.4

101 8.5 6.8 10.2

130 16.7 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Tgt Ion: 136 Resp: 48525

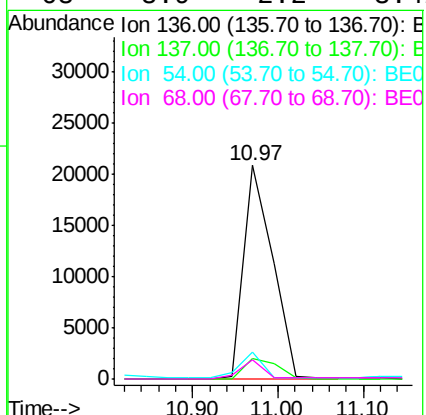
Ion Ratio Lower Upper

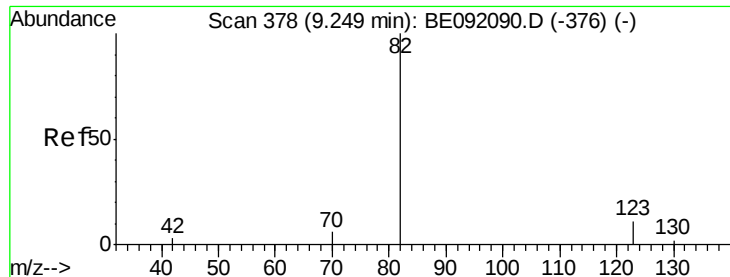
136 100

137 9.8 9.1 13.7

54 12.5 2.7 4.1#

68 8.9 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 10.45 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

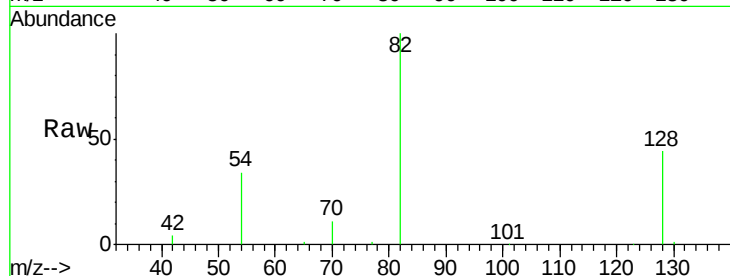
Tot Ion: 82 Resp: 37769

Ion Ratio Lower Upper

82 100

128 44.2 33.0 49.4

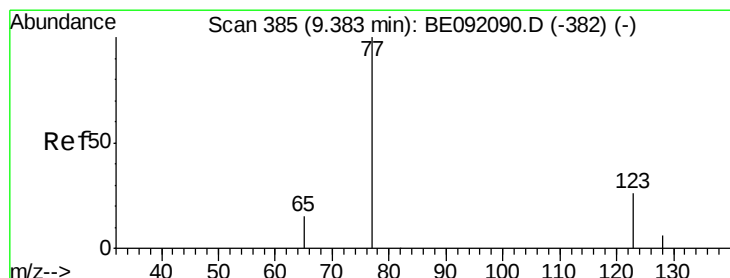
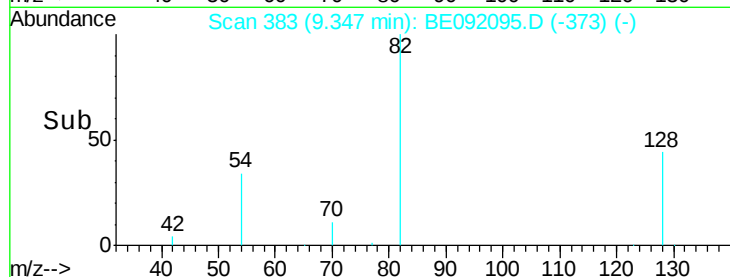
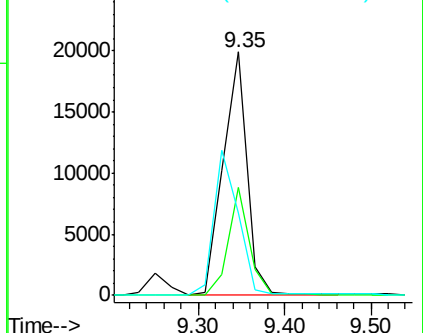
54 34.0 42.6 63.8#



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: 11.77 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

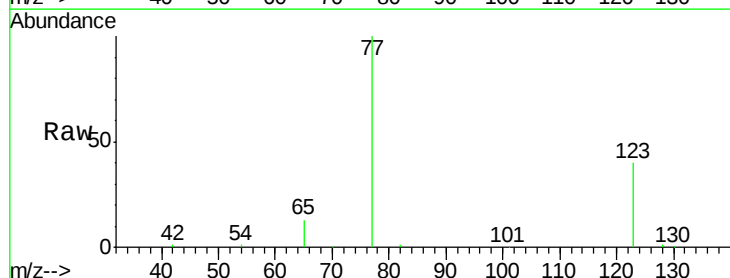
Tgt Ion: 77 Resp: 41307

Ion Ratio Lower Upper

77 100

123 40.1 29.9 44.9

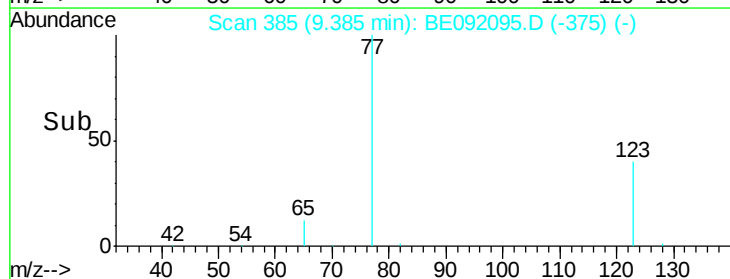
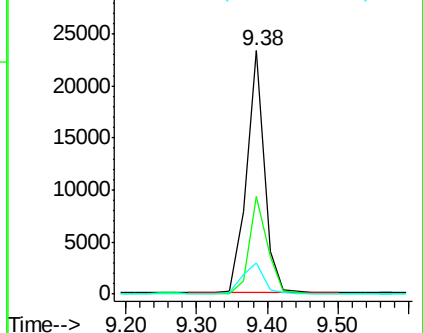
65 14.3 11.4 17.0

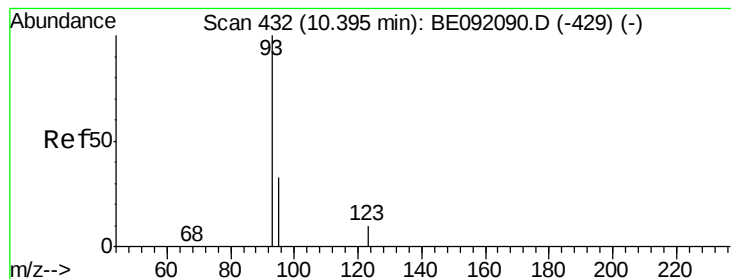


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

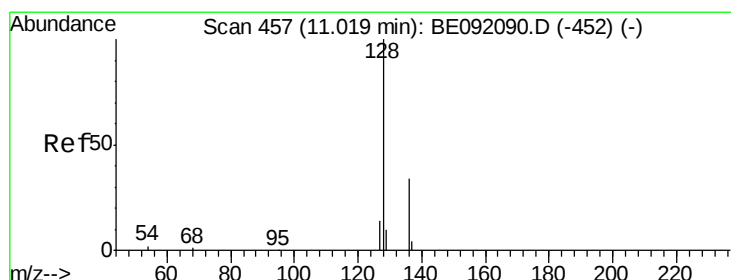
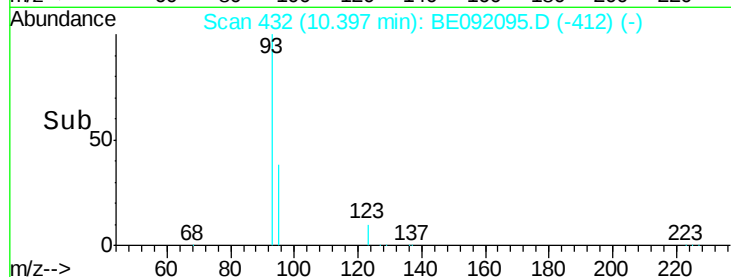
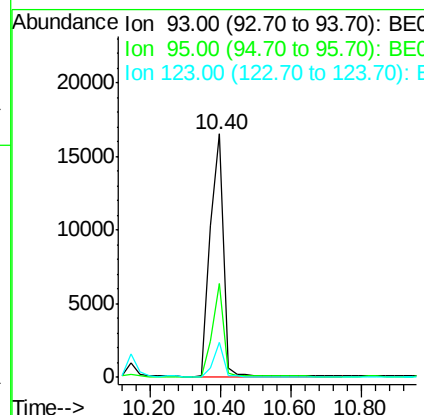
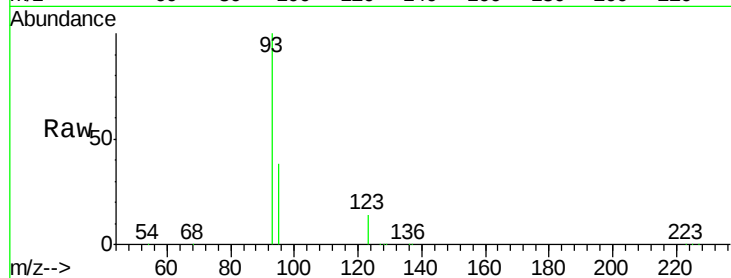




#11
bis(2-Chloroethoxy)methane
Concen: 10.38 ng
RT: 10.40 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

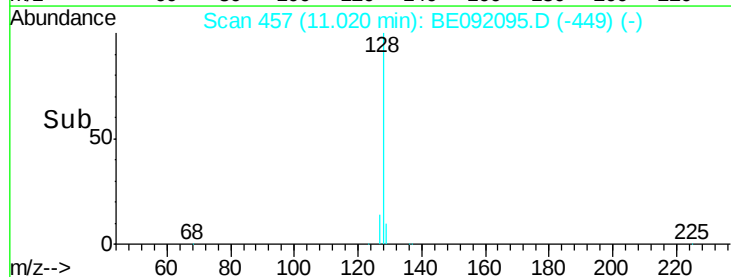
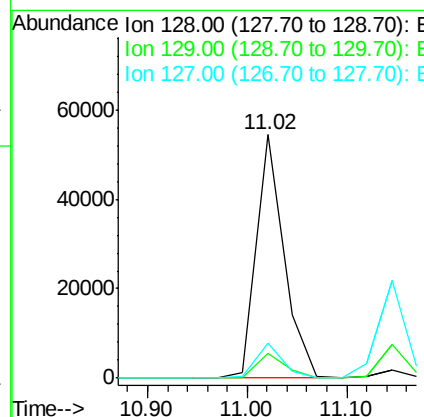
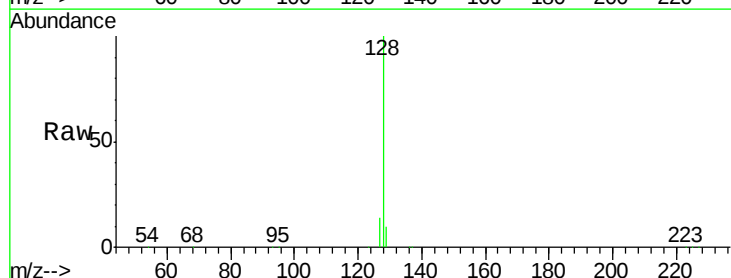
Instrument :
BNA_E
ClientSampleId :

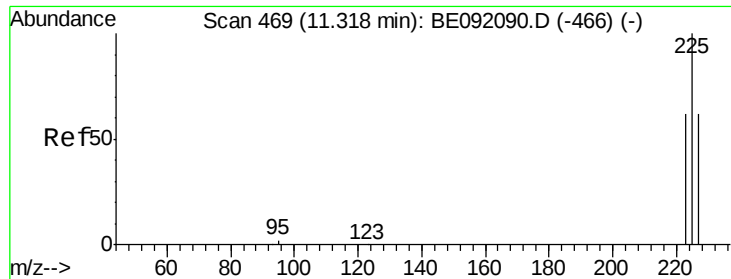
Tot Ion: 93 Resp: 42016
Ion Ratio Lower Upper
93 100
95 32.8 25.0 37.6
123 10.6 7.8 11.8



#12
Naphthalene
Concen: 9.86 ng
RT: 11.02 min Scan# 457
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion: 128 Resp: 104769
Ion Ratio Lower Upper
128 100
129 10.3 11.1 16.7#
127 14.1 11.3 16.9

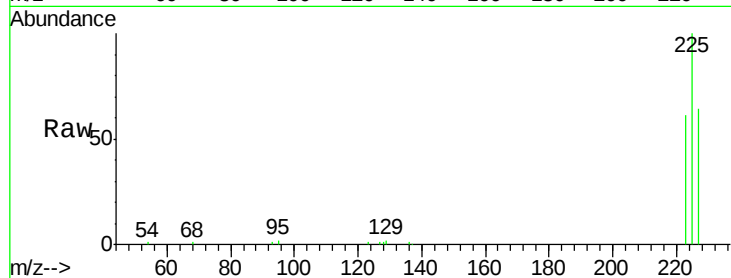




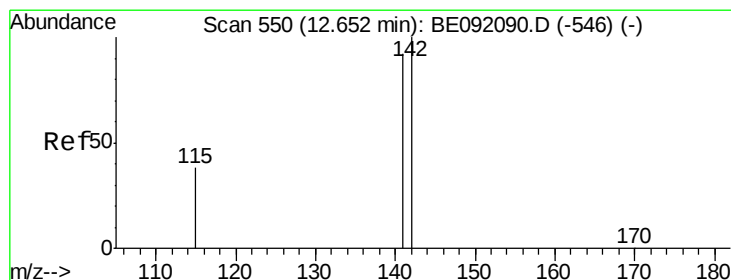
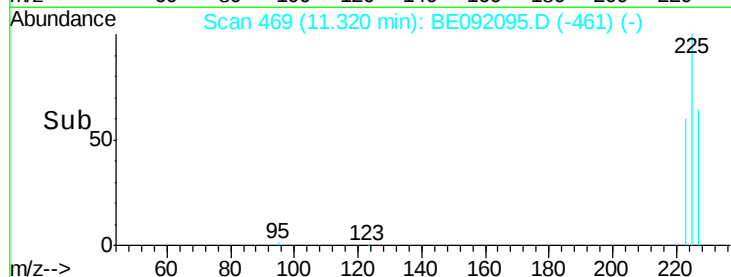
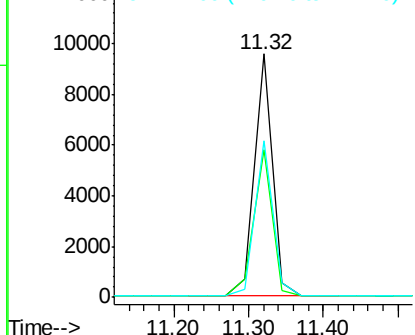
#13
Hexachlorobutadiene
Concen: 10.14 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:225 Resp: 16156
Ion Ratio Lower Upper
225 100
223 61.7 51.9 77.9
227 64.4 0.0 0.0#

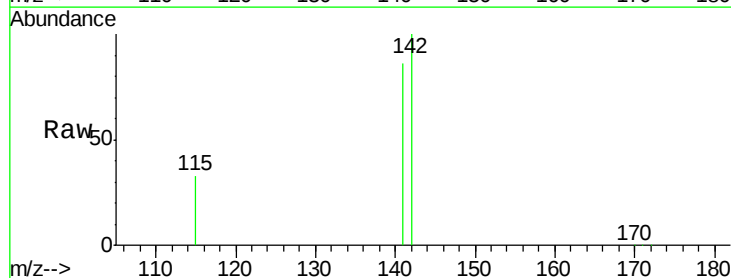


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

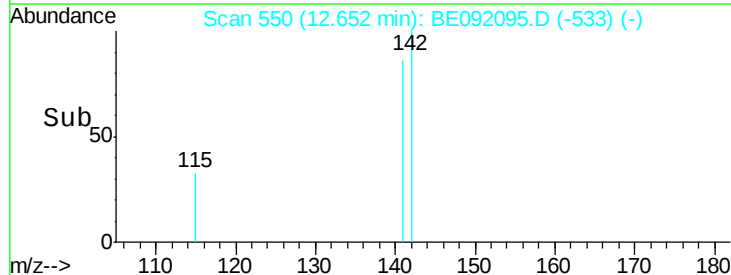
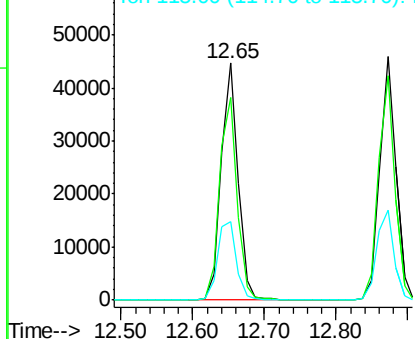


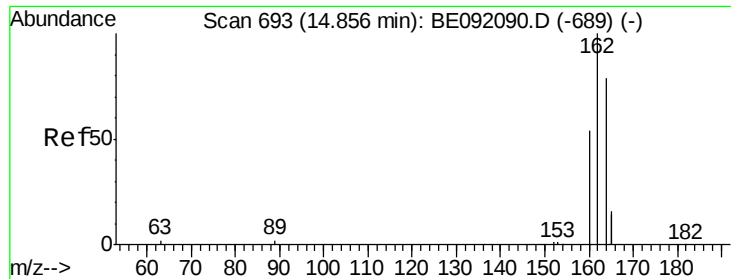
#14
2-Methylnaphthalene
Concen: 10.60 ng
RT: 12.65 min Scan# 550
Delta R.T. -0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion:142 Resp: 72729
Ion Ratio Lower Upper
142 100
141 85.7 65.1 97.7
115 33.2 27.0 40.4



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





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

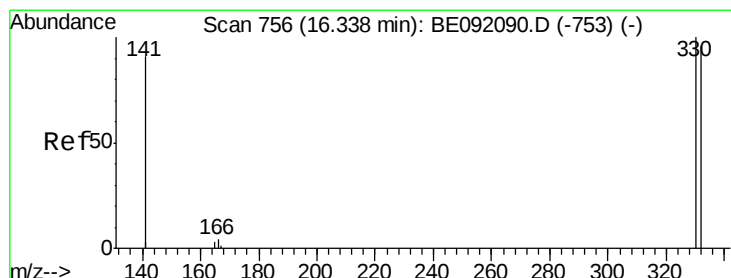
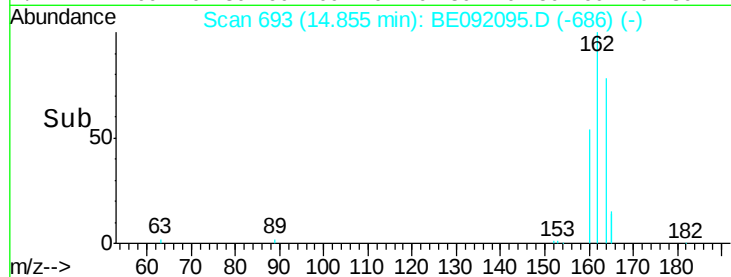
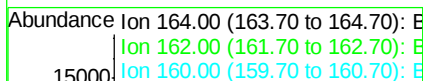
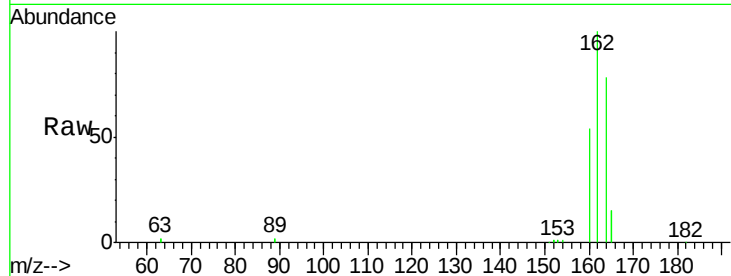
Tot Ion:164 Resp: 24968

Ion Ratio Lower Upper

164 100

162 128.4 69.5 104.3#

160 69.2 27.6 41.4#



#16

2,4,6-Tribromophenol

Concen: 18.93 ng

RT: 16.32 min Scan# 756

Delta R.T. -0.02 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

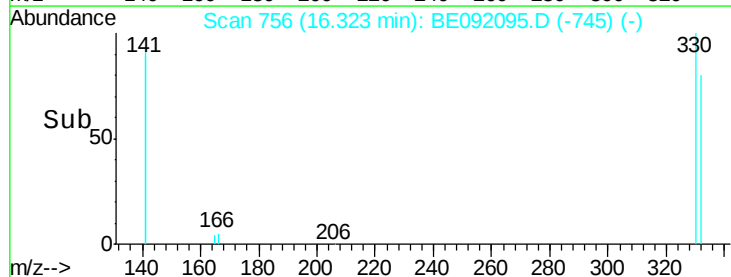
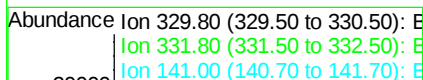
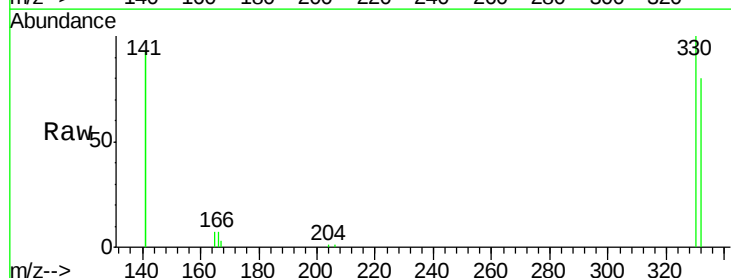
Tgt Ion:330 Resp: 16577

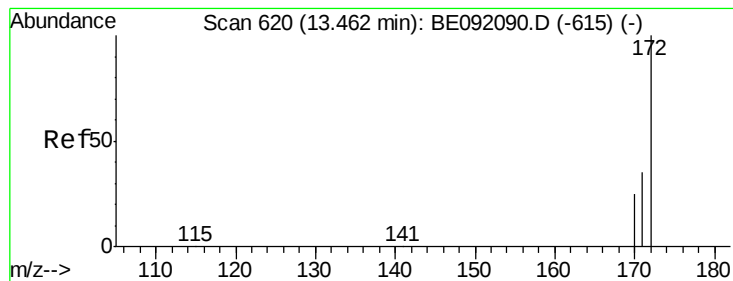
Ion Ratio Lower Upper

330 100

332 96.0 74.2 111.4

141 170.0 139.8 209.8

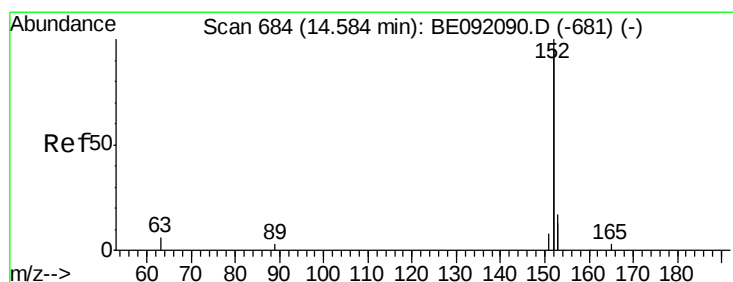
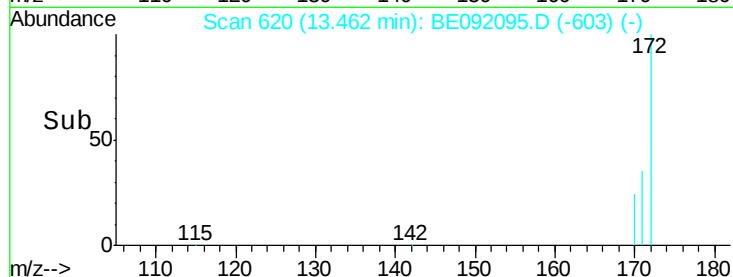
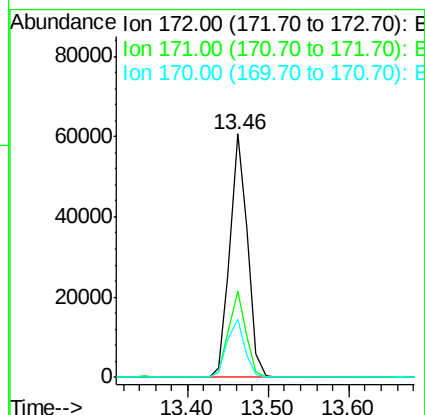
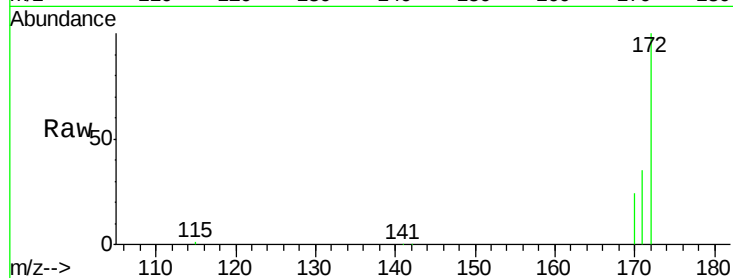




#17
2-Fluorobiphenyl
Concen: 9.16 ng
RT: 13.46 min Scan# 620
Delta R.T. -0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

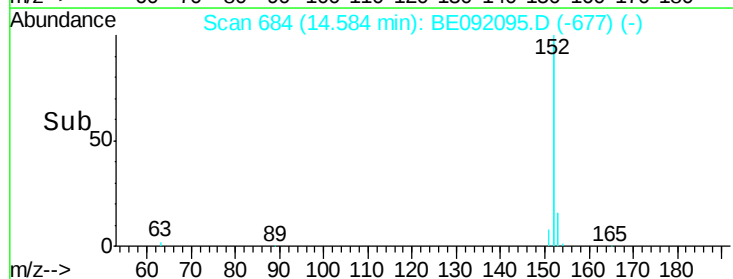
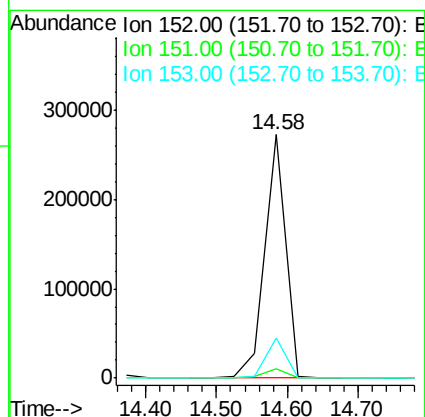
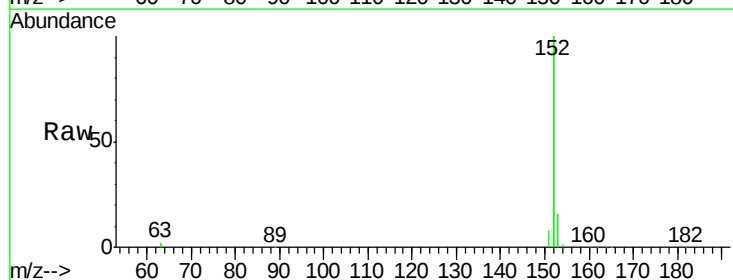
Instrument :
BNA_E
ClientSampleId :

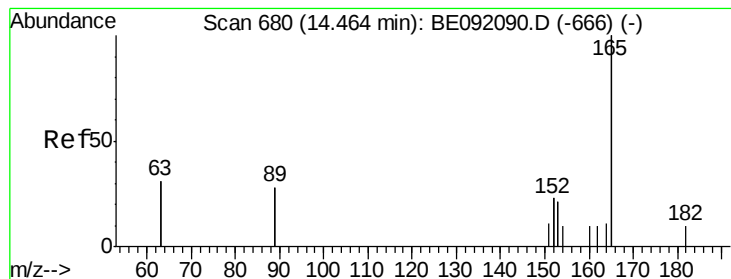
Tot Ion:172 Resp: 91631
Ion Ratio Lower Upper
172 100
171 35.2 30.3 45.5
170 23.7 21.6 32.4



#18
Acenaphthylene
Concen: 8.45 ng
RT: 14.58 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion:152 Resp: 547089
Ion Ratio Lower Upper
152 100
151 4.3 4.0 6.0
153 15.3 9.6 14.4#





#19

2,6-Dinitrotoluene

Concen: 10.75 ng

RT: 14.46 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

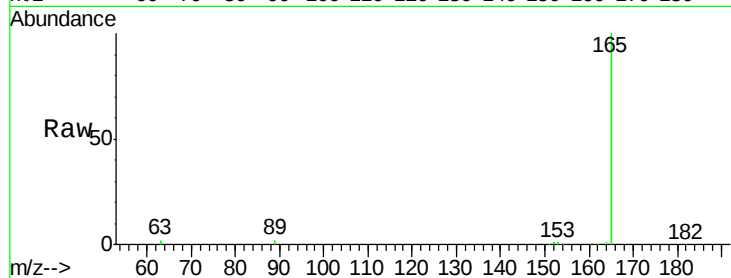
Tot Ion:165 Resp: 71470

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

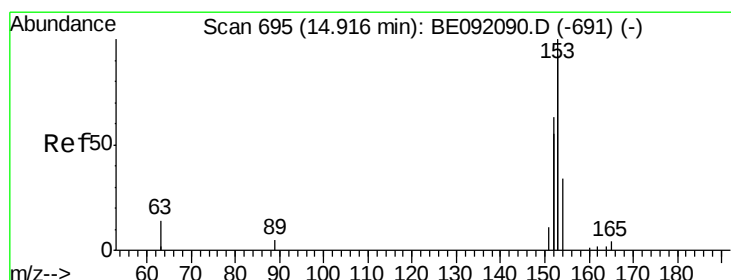
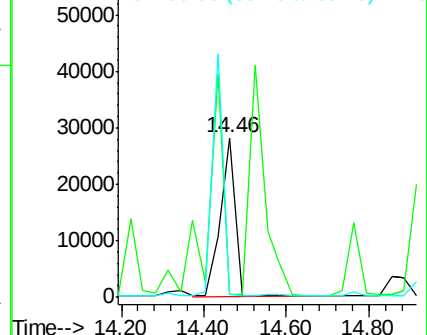
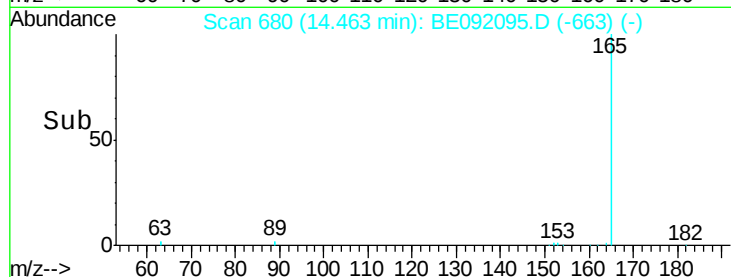
89 0.0 0.0 0.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 10.30 ng

RT: 14.92 min Scan# 695

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

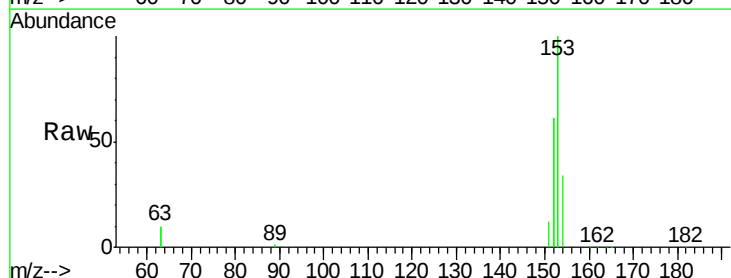
Tgt Ion:154 Resp: 70276

Ion Ratio Lower Upper

154 100

153 532.0 345.1 517.7#

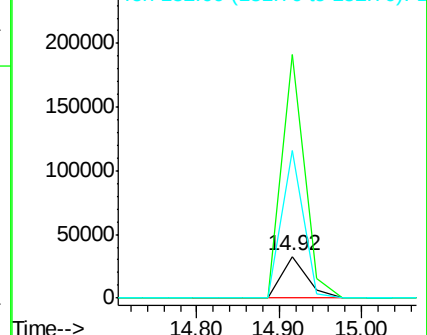
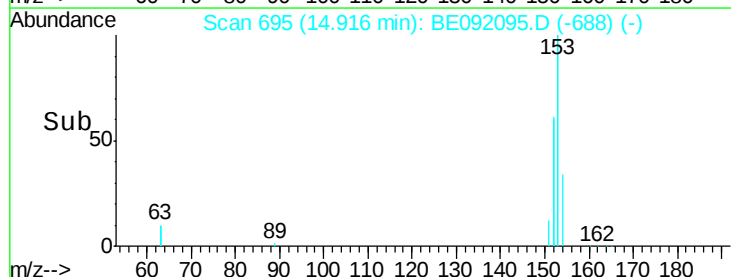
152 308.0 0.0 0.0#

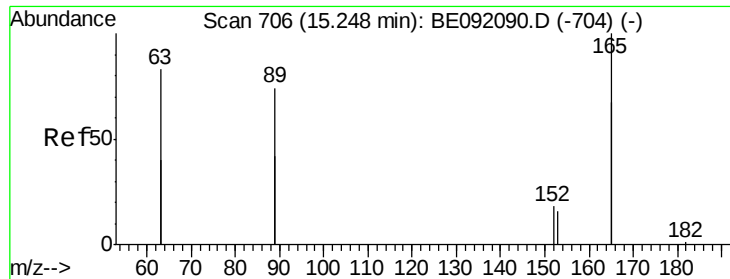


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 15.21 ng

RT: 15.25 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampled :

Tot Ion:165 Resp: 127964

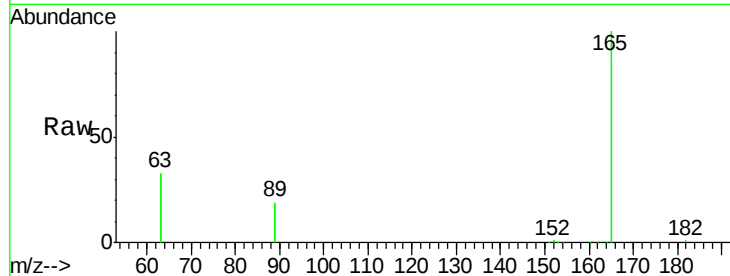
Ion Ratio Lower Upper

165 100

63 0.0 324.0 486.0#

89 0.0 308.4 462.6#

182 0.6 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

120000

100000

80000

60000

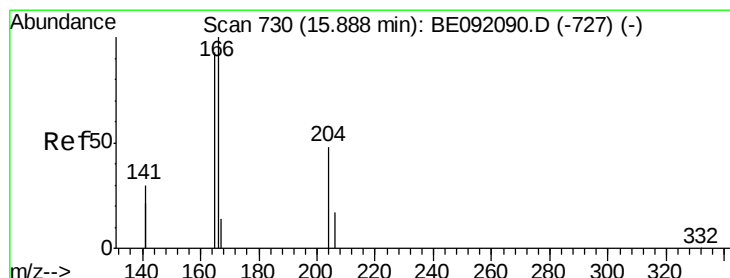
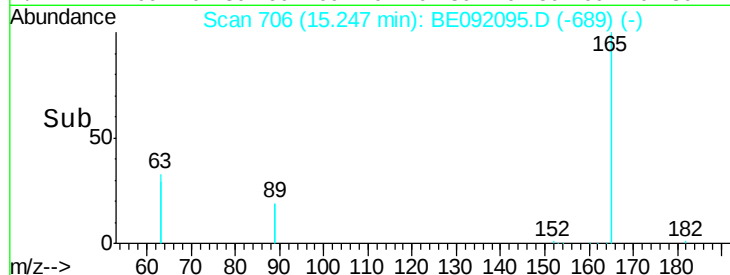
40000

20000

0

15.10 15.20 15.30 15.40

Time-->



#22

Fluorene

Concen: 10.18 ng

RT: 15.89 min Scan# 731

Delta R.T. 0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

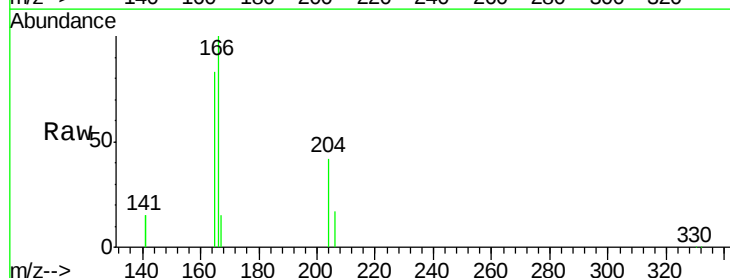
Tgt Ion:166 Resp: 109057

Ion Ratio Lower Upper

166 100

165 98.9 78.6 118.0

167 13.5 11.1 16.7



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

80000

60000

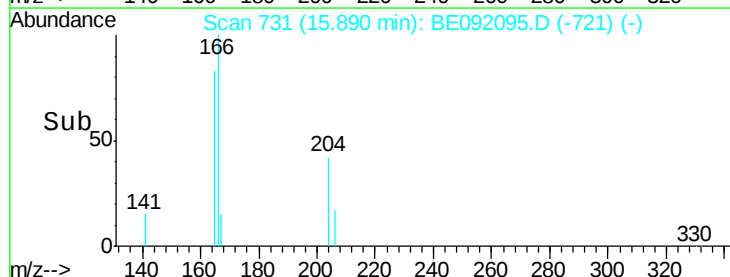
40000

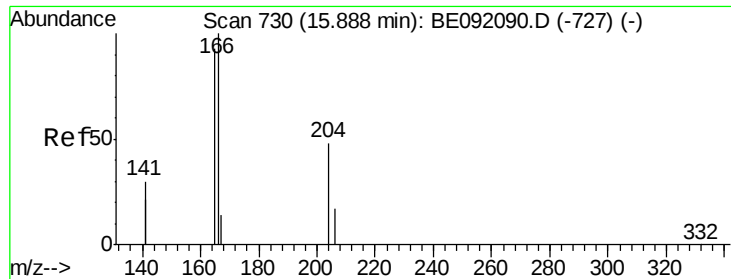
20000

0

15.70 15.80 15.90 16.00

Time-->

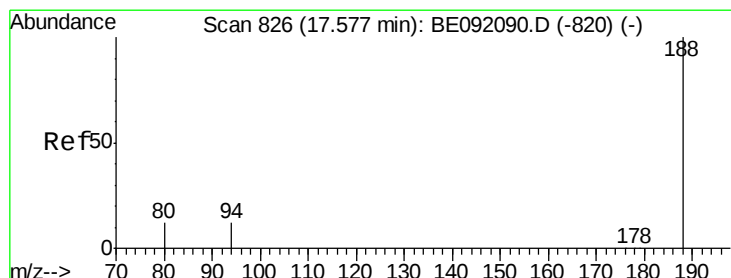
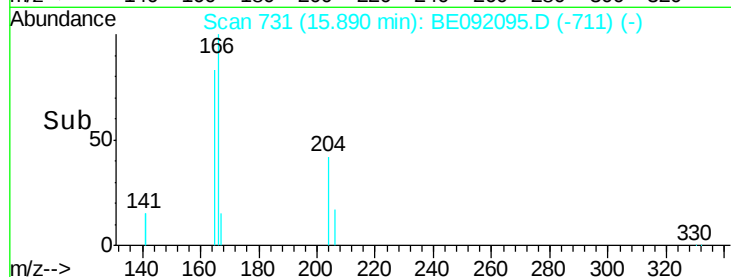
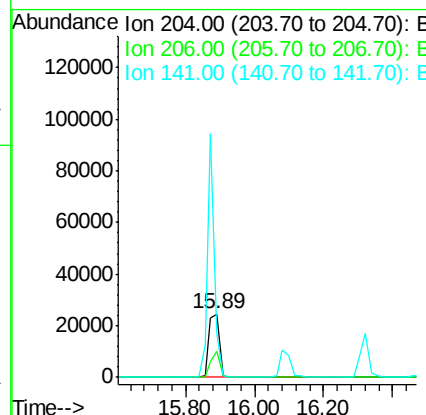
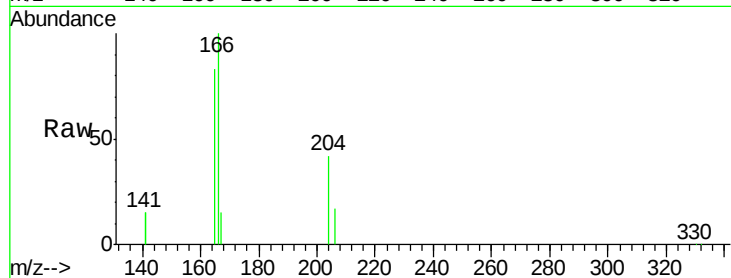




#23
4-Chlorophenyl-phenylether
Concen: 9.67 ng
RT: 15.89 min Scan# 731
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

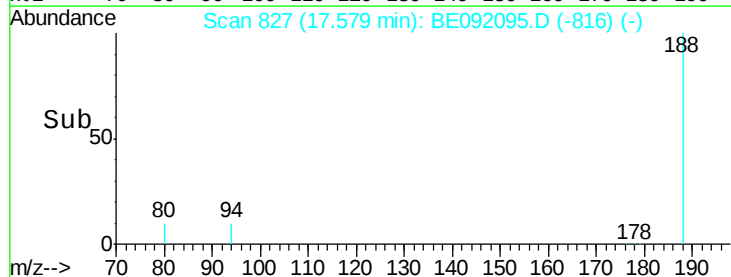
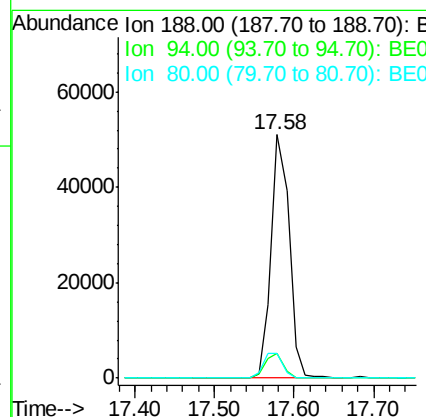
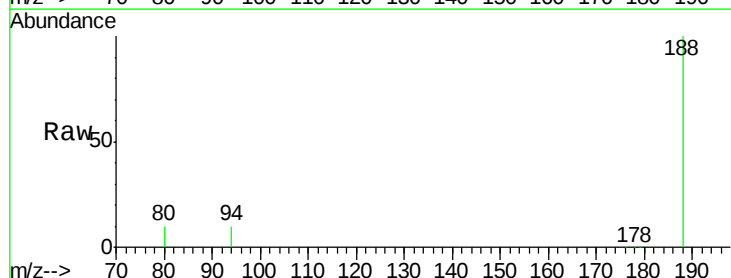
Instrument :
BNA_E
ClientSampled :

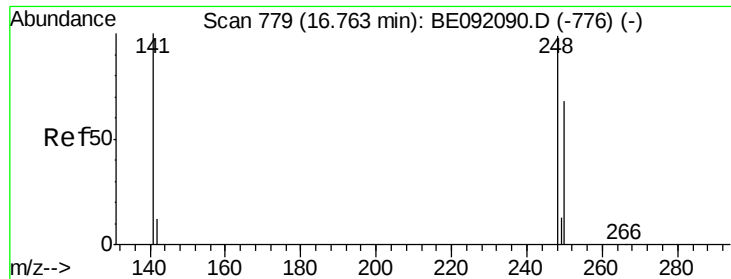
Tot Ion:204 Resp: 50896
Ion Ratio Lower Upper
204 100
206 33.8 27.0 40.4
141 254.1 198.5 297.7



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion:188 Resp: 99504
Ion Ratio Lower Upper
188 100
94 10.3 3.9 5.9#
80 10.0 3.4 5.0#

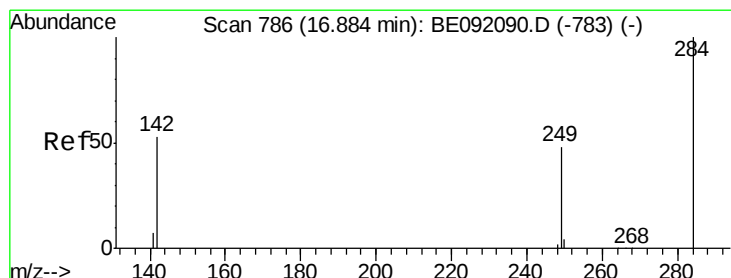
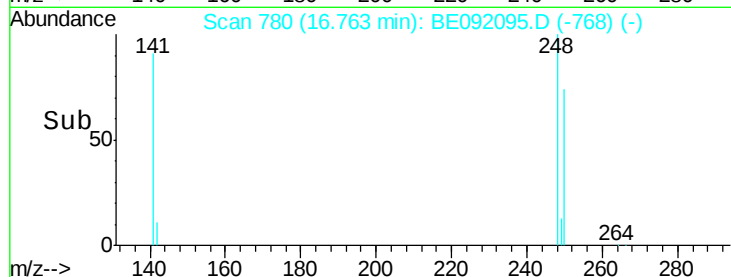
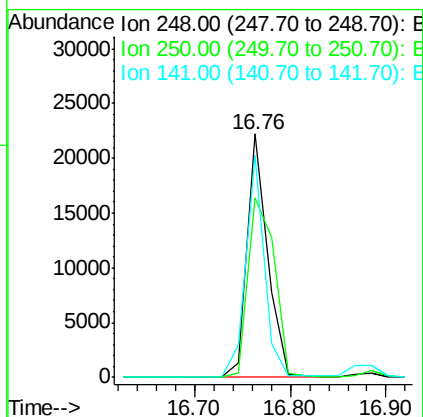
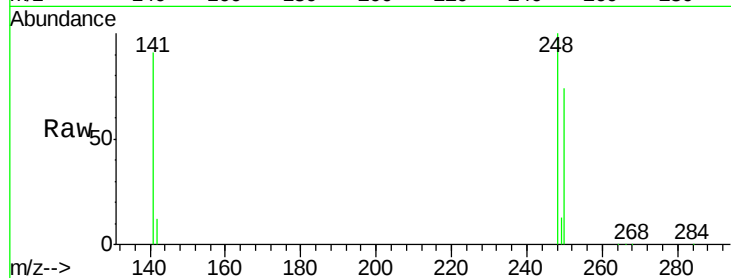




#25
4-Bromophenyl-phenylether
Concen: 7.98 ng
RT: 16.76 min Scan# 780
Delta R.T. -0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

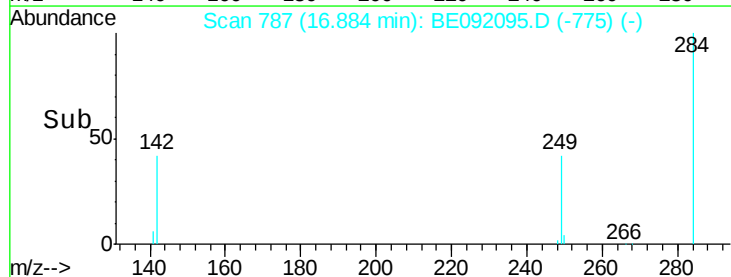
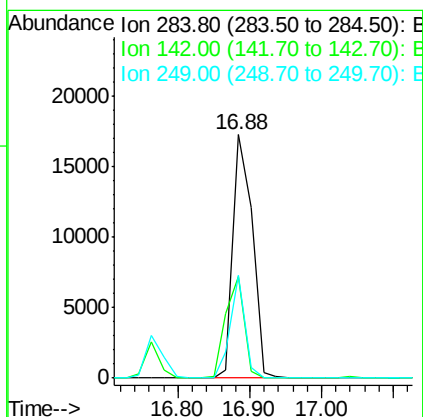
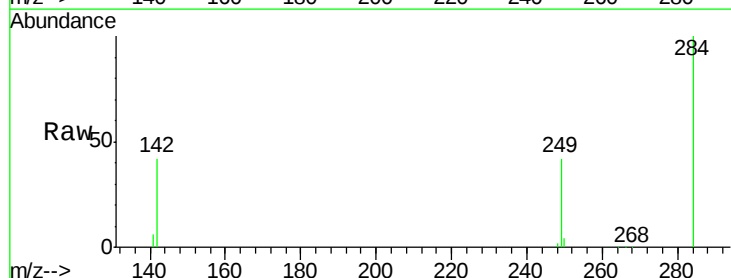
Instrument :
BNA_E
ClientSampled :

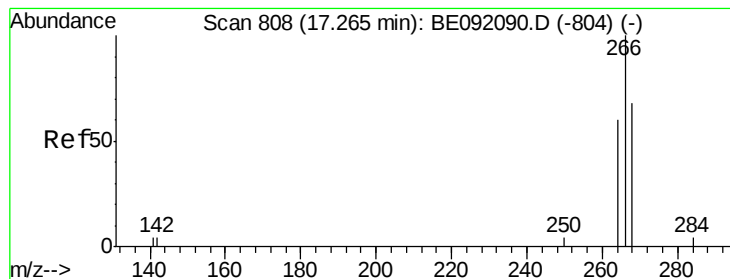
Tot Ion:248 Resp: 32671
Ion Ratio Lower Upper
248 100
250 95.2 79.6 119.4
141 83.5 68.7 103.1



#26
Hexachlorobenzene
Concen: 7.40 ng
RT: 16.88 min Scan# 787
Delta R.T. -0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion:284 Resp: 31418
Ion Ratio Lower Upper
284 100
142 40.3 33.3 49.9
249 32.6 25.4 38.0





#27

Pentachlorophenol

Concen: 10.53 ng

RT: 17.23 min Scan# 807

Delta R.T. -0.03 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

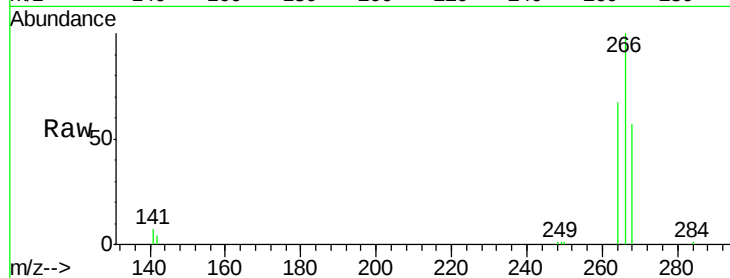
Tot Ion:266 Resp: 12489

Ion Ratio Lower Upper

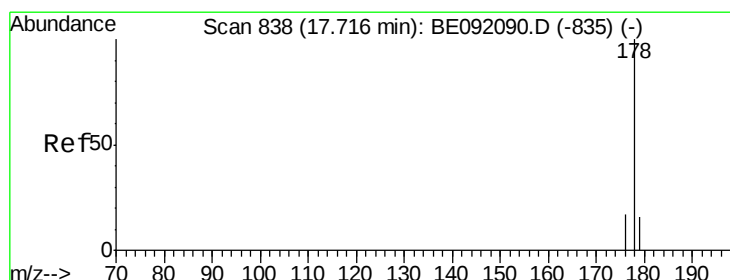
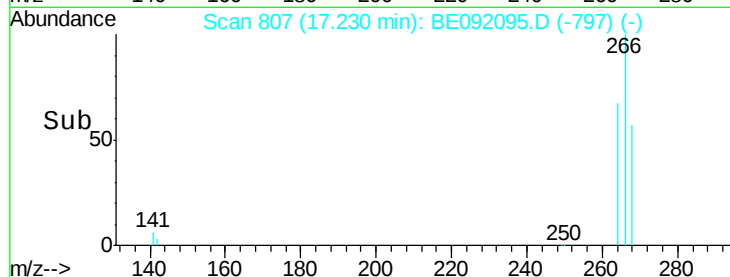
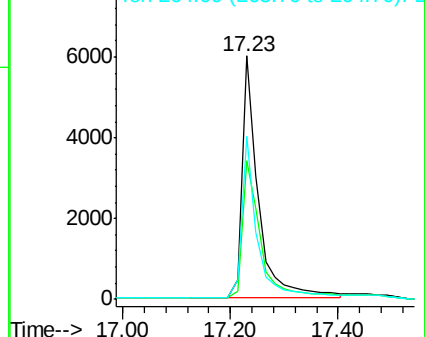
266 100

268 57.1 62.7 94.1#

264 66.7 63.5 95.3



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: 9.17 ng

RT: 17.63 min Scan# 831

Delta R.T. 0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

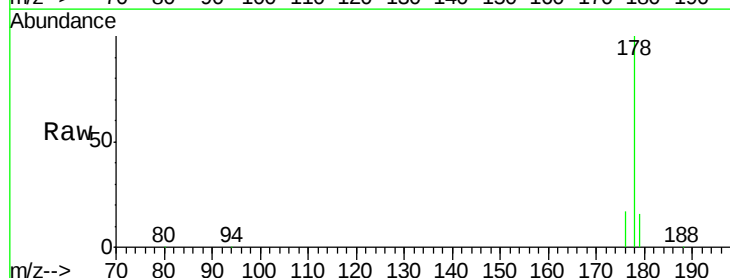
Tgt Ion:178 Resp: 231934

Ion Ratio Lower Upper

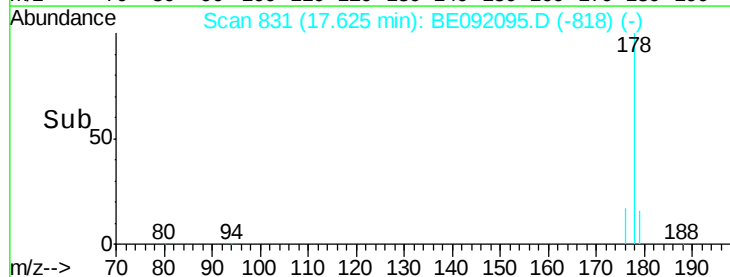
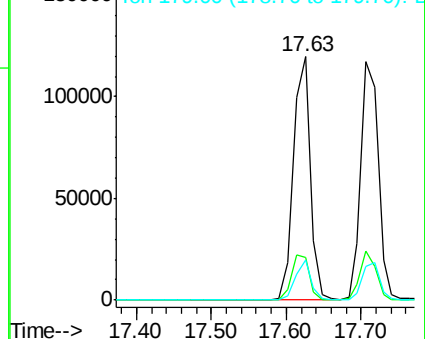
178 100

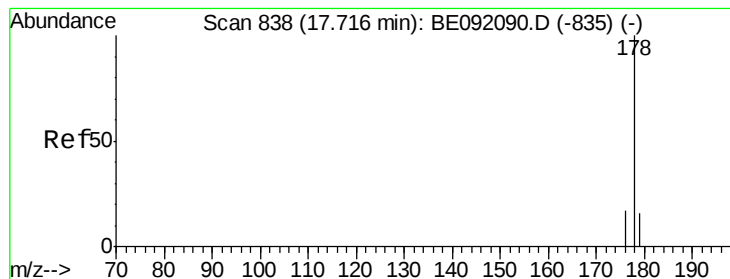
176 19.8 15.4 23.0

179 15.5 12.7 19.1



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





#29

Anthracene

Concen: 8.31 ng

RT: 17.71 min Scan# 838

Delta R.T. -0.01 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

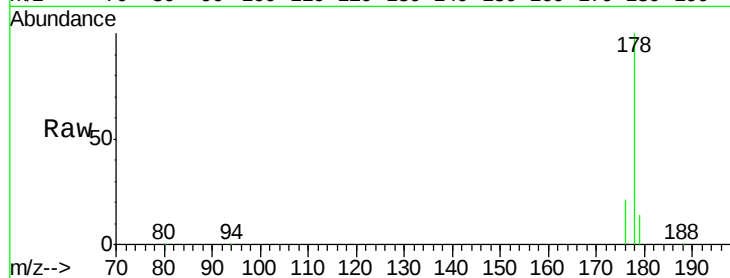
Tot Ion:178 Resp: 191278

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

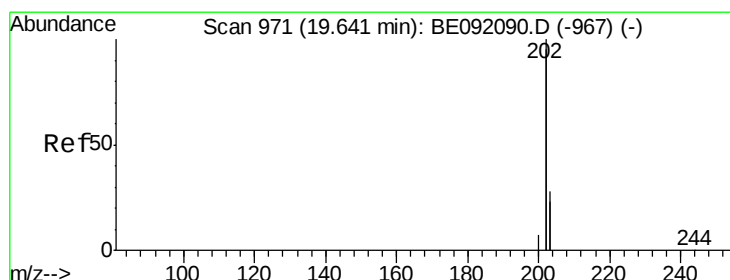
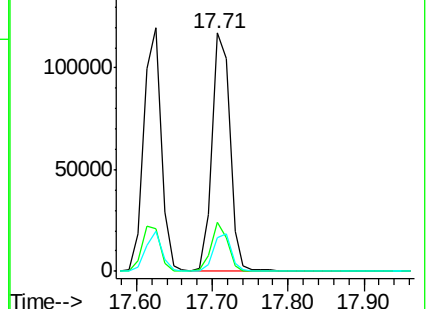
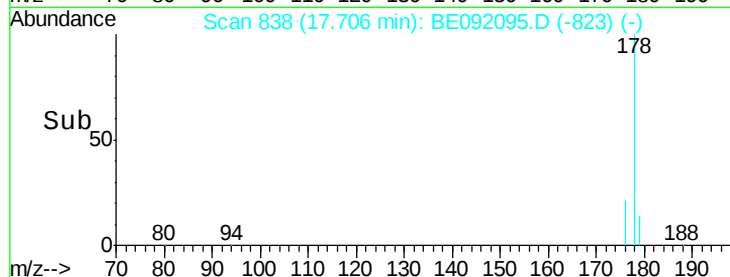
179 15.6 12.2 18.4



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: 6.01 ng

RT: 19.61 min Scan# 970

Delta R.T. -0.03 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

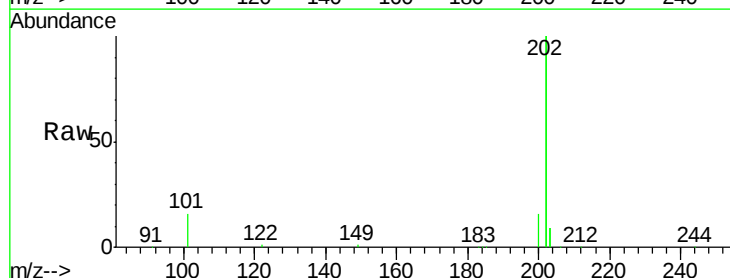
Tgt Ion:202 Resp: 676173

Ion Ratio Lower Upper

202 100

101 5.0 2.2 3.2#

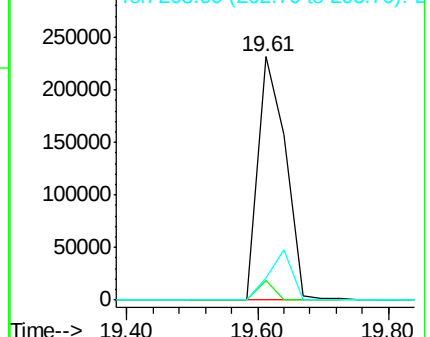
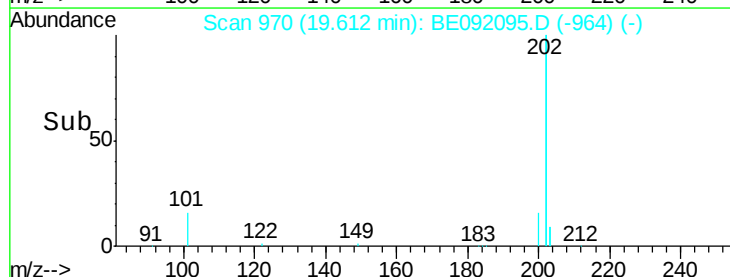
203 0.0 13.0 19.4#

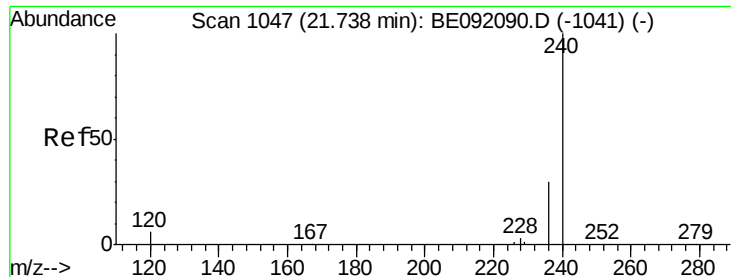


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

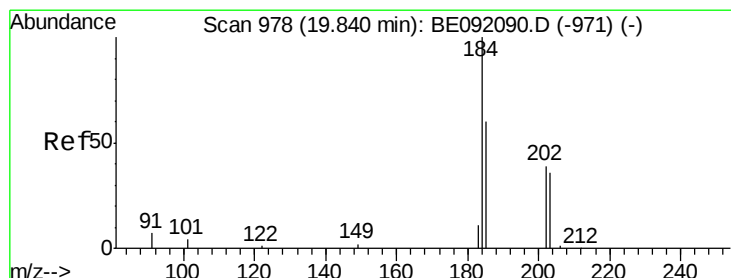
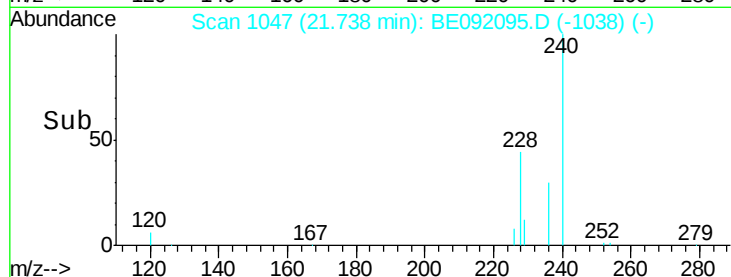
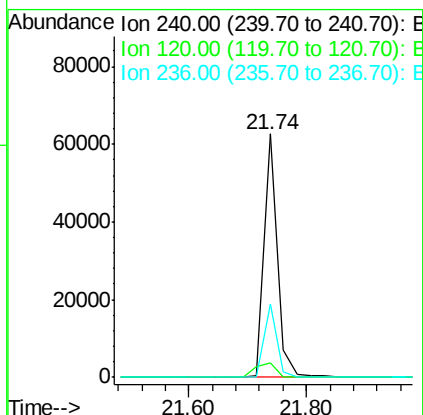
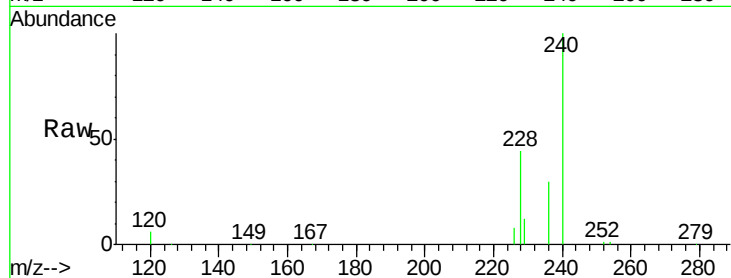




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.74 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

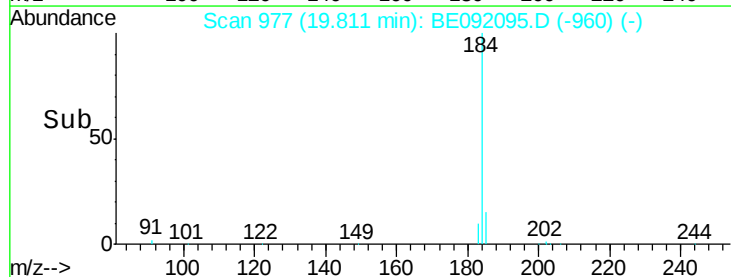
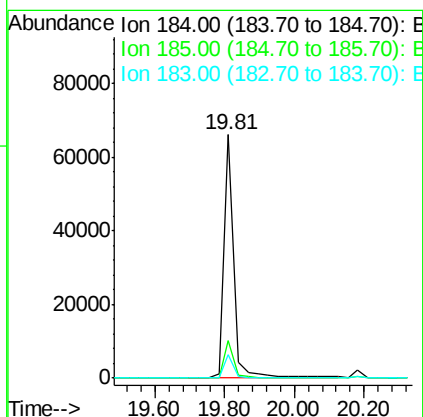
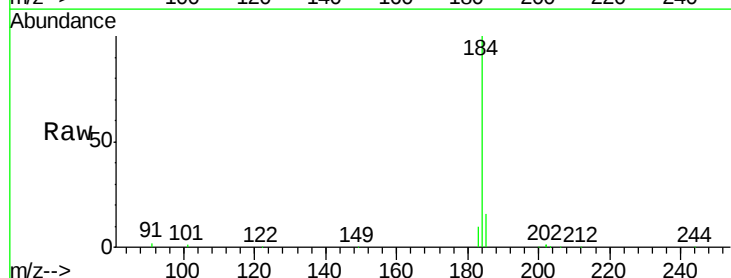
Instrument :
BNA_E
ClientSampleId :

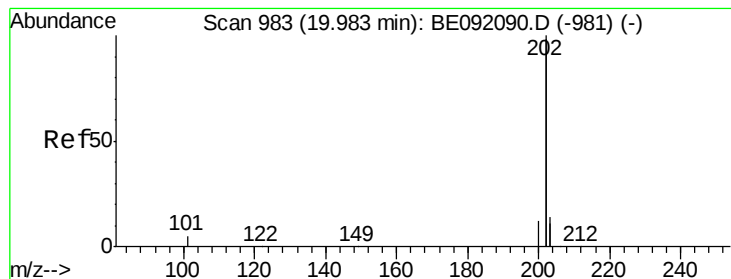
Tot Ion:240 Resp: 99007
Ion Ratio Lower Upper
240 100
120 6.1 0.6 1.0#
236 30.0 18.2 27.4#



#32
Benzidine
Concen: 27.13 ng
RT: 19.81 min Scan# 977
Delta R.T. -0.03 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion:184 Resp: 132192
Ion Ratio Lower Upper
184 100
185 15.6 23.8 35.6#
183 9.8 20.7 31.1#





#33

Pvrene

Concen: 8.60 ng

RT: 19.98 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

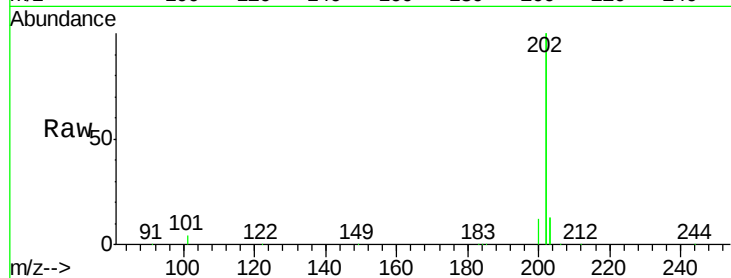
Tot Ion:202 Resp: 1096625

Ion Ratio Lower Upper

202 100

200 6.0 4.4 6.6

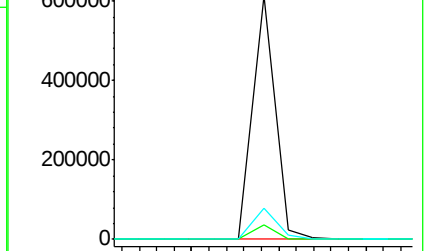
203 14.0 13.4 20.0



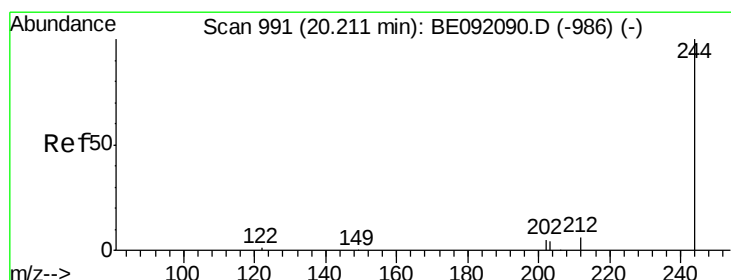
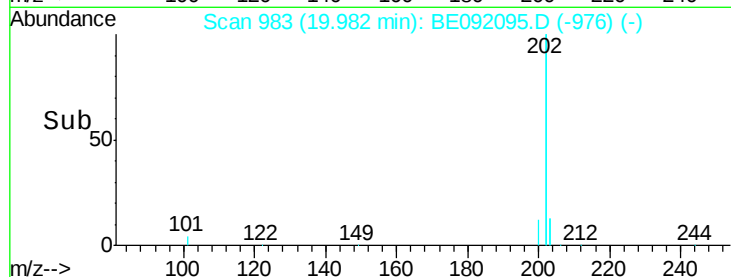
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#34

Terphenyl-d14

Concen: 5.22 ng

RT: 20.21 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

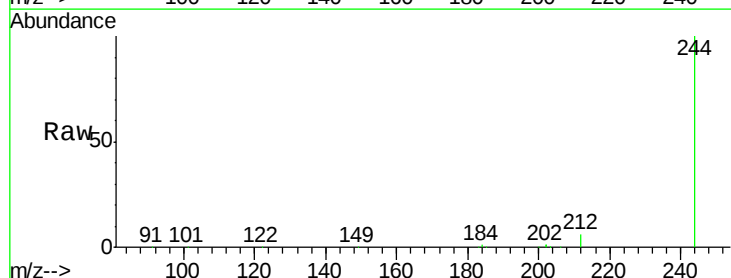
Tgt Ion:244 Resp: 96195

Ion Ratio Lower Upper

244 100

212 6.1 9.1 13.7#

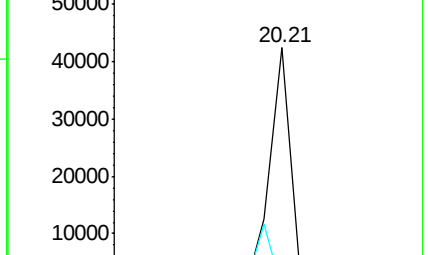
122 0.4 11.0 16.4#



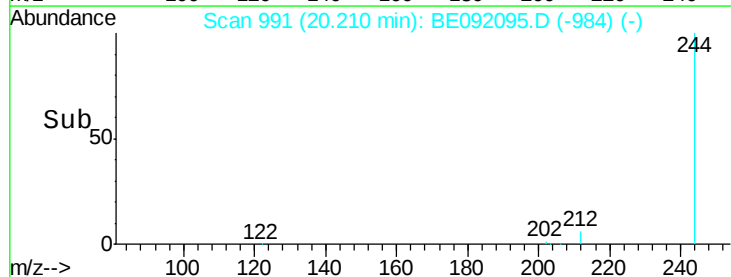
Abundance Ion 244.00 (243.70 to 244.70): E

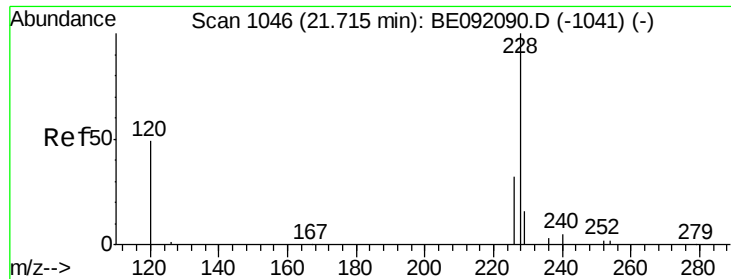
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

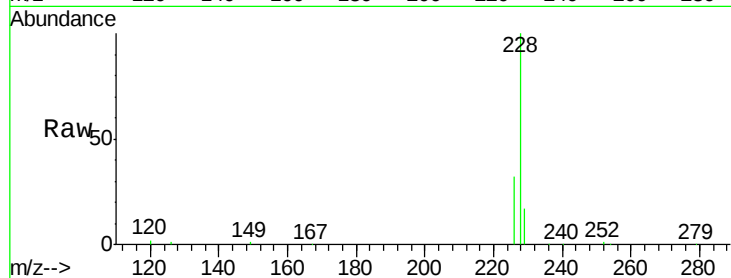




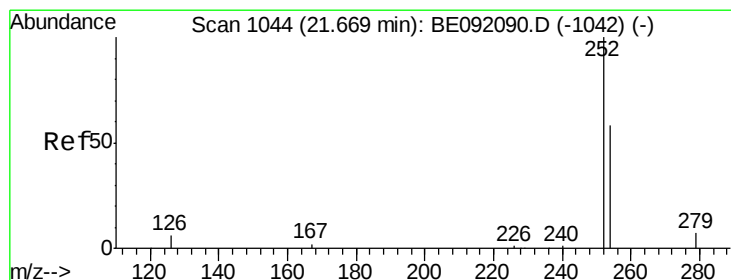
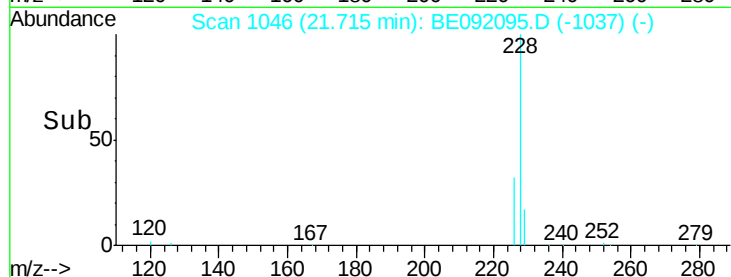
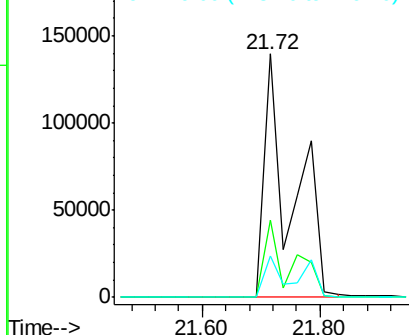
#35
Benzo(a)anthracene
Concen: 9.37 ng
RT: 21.72 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 443477
Ion Ratio Lower Upper
228 100
226 31.6 22.1 33.1
229 16.9 15.1 22.7

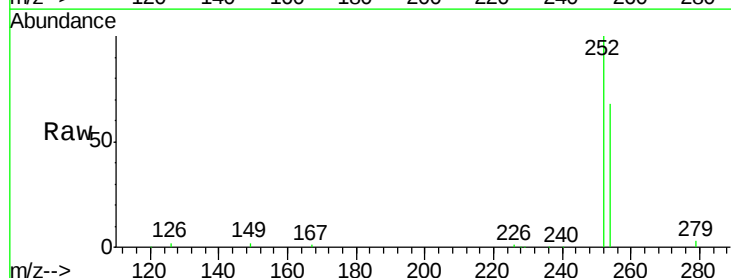


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

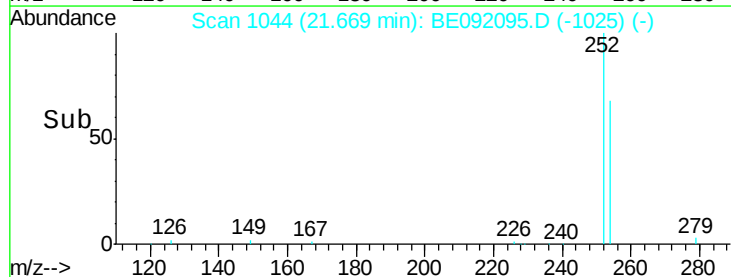
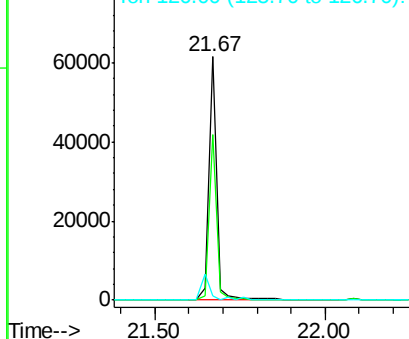


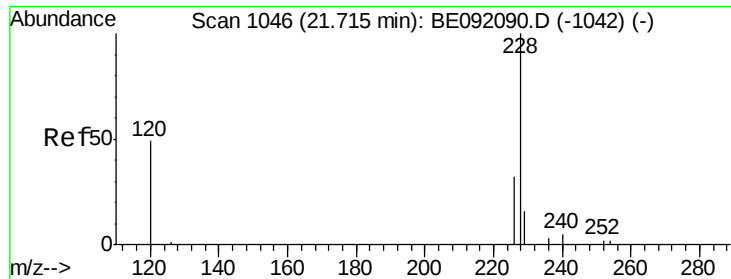
#36
3,3'-Dichlorobenzidine
Concen: 10.77 ng
RT: 21.67 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BE092095.D
Acq: 1 Aug 2016 16:12

Tgt Ion:252 Resp: 98282
Ion Ratio Lower Upper
252 100
254 67.8 44.2 66.2#
126 1.5 10.6 15.8#



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

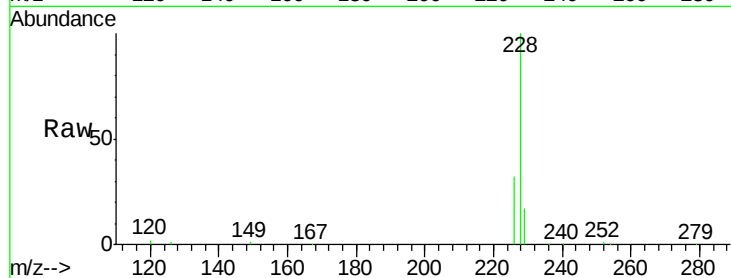




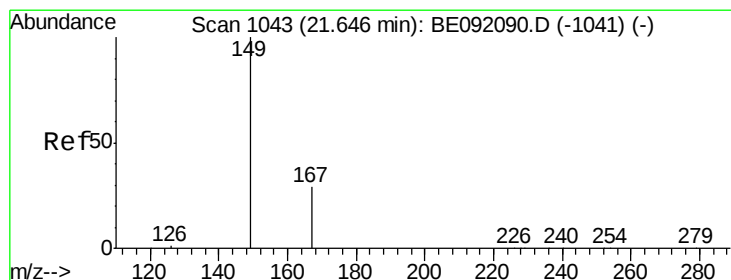
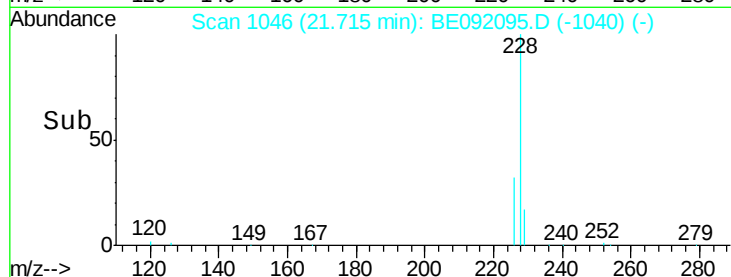
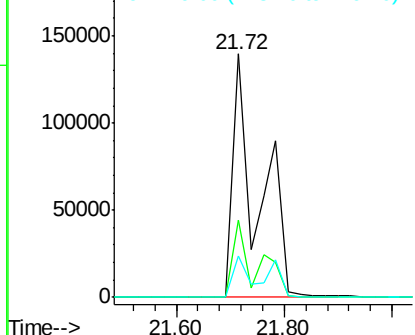
#37
 Chrysene
 Concen: 11.14 ng
 RT: 21.72 min Scan# 1046
 Delta R.T. -0.07 min
 Lab File: BE092095.D
 Acq: 1 Aug 2016 16:12

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:228 Resp: 447043
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.3 33.5
 229 16.9 16.9 25.3

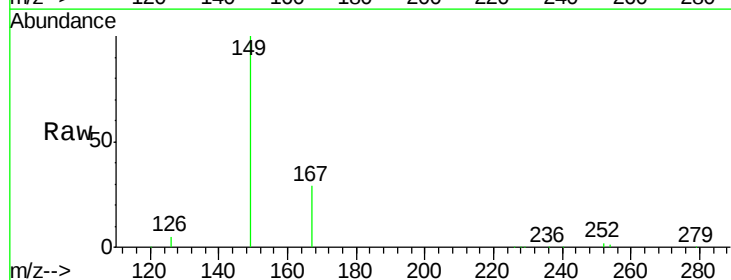


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

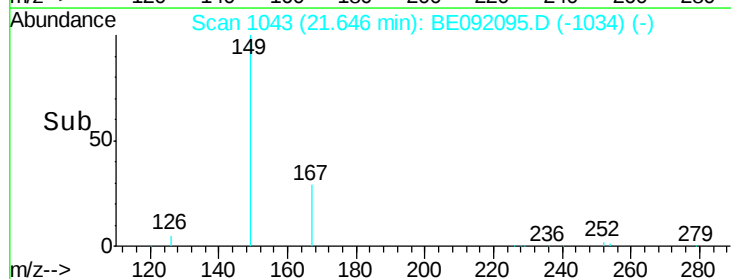
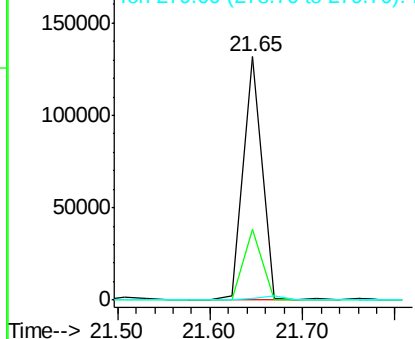


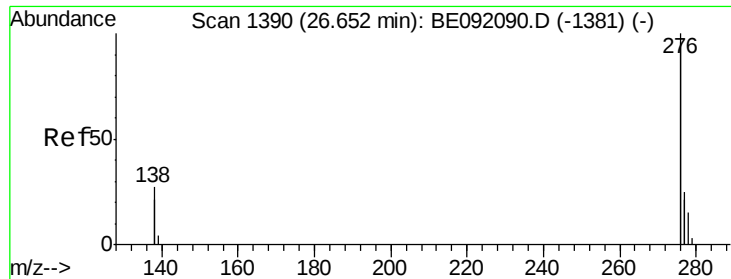
#38
 Bis(2-ethylhexyl)phthalate
 Concen: 1.98 ng
 RT: 21.65 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE092095.D
 Acq: 1 Aug 2016 16:12

Tgt Ion:149 Resp: 187760
 Ion Ratio Lower Upper
 149 100
 167 28.6 3.8 5.6#
 279 0.0 0.0 0.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 8.74 ng

RT: 26.65 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

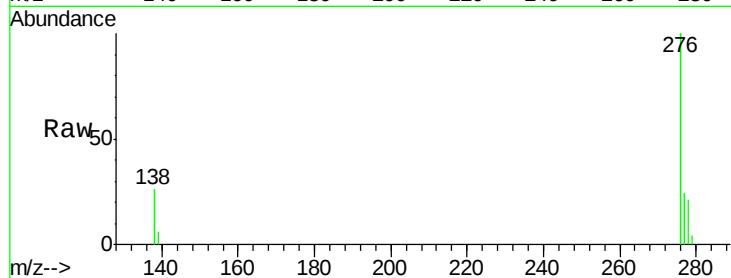
Tot Ion:276 Resp: 1014132

Ion Ratio Lower Upper

276 100

138 26.5 21.2 31.8

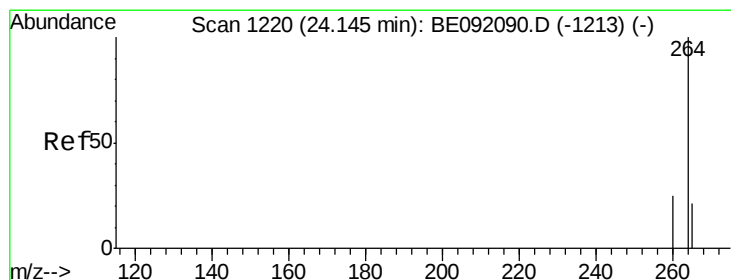
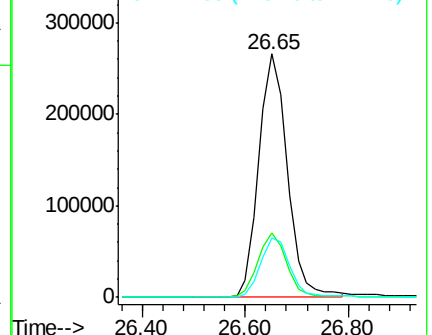
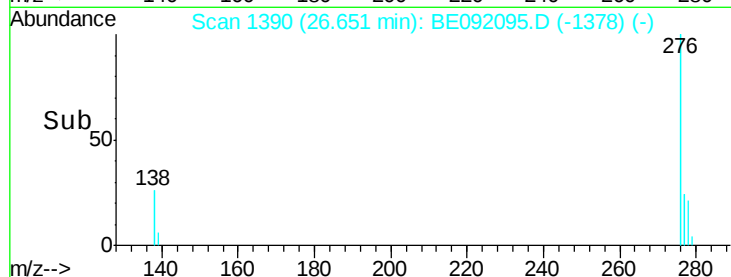
277 24.9 19.8 29.8



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: 24.15 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

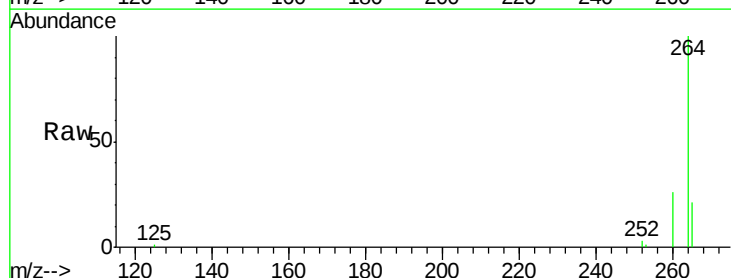
Tgt Ion:264 Resp: 90061

Ion Ratio Lower Upper

264 100

260 25.9 20.8 31.2

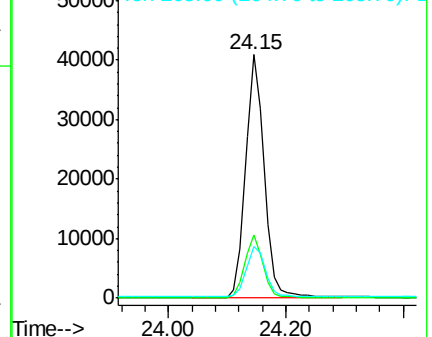
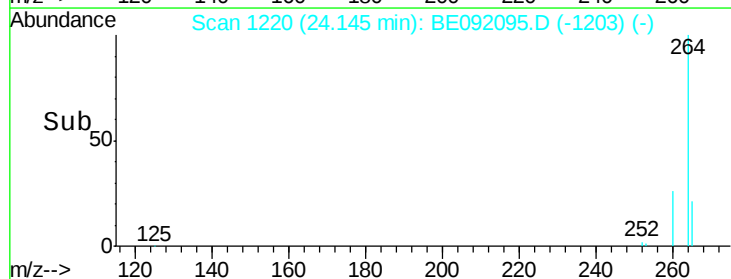
265 21.3 16.6 25.0

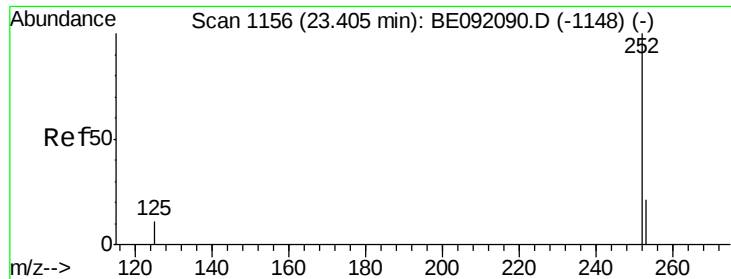


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 8.30 ng

RT: 23.40 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

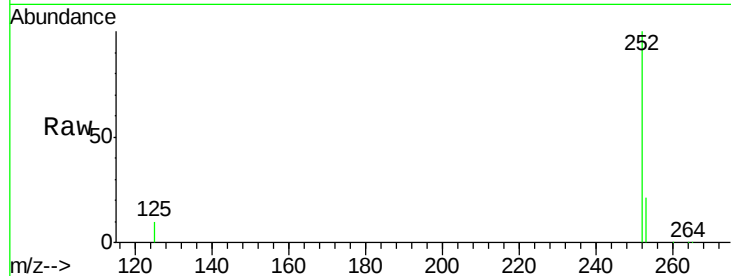
Tot Ion:252 Resp: 226677

Ion Ratio Lower Upper

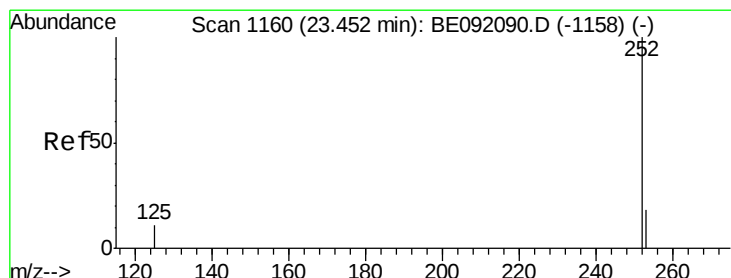
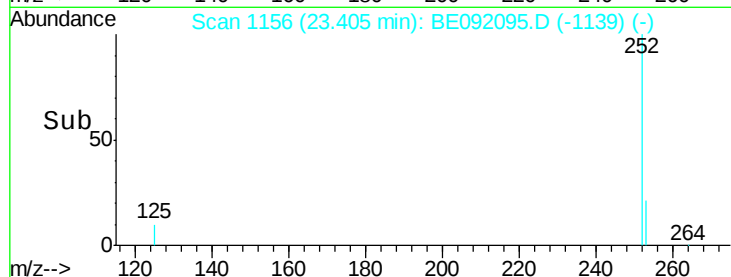
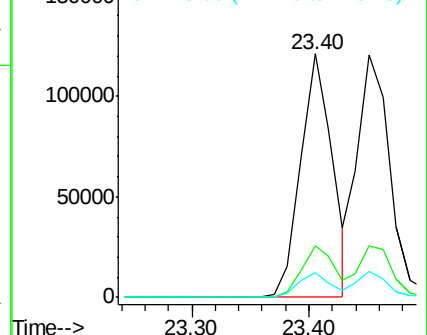
252 100

253 21.5 17.4 26.0

125 10.4 10.2 15.2



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: 8.22 ng

RT: 23.45 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

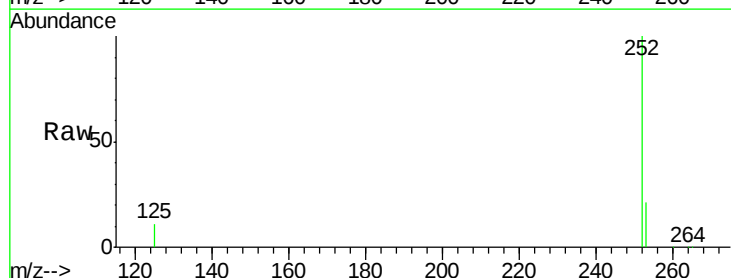
Tgt Ion:252 Resp: 232183

Ion Ratio Lower Upper

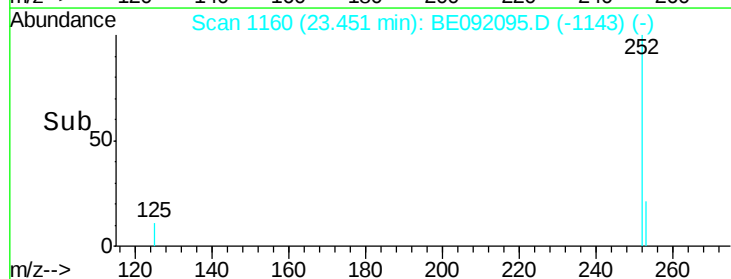
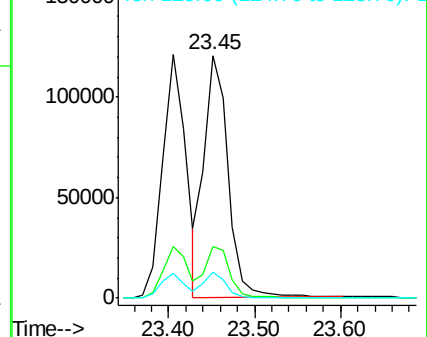
252 100

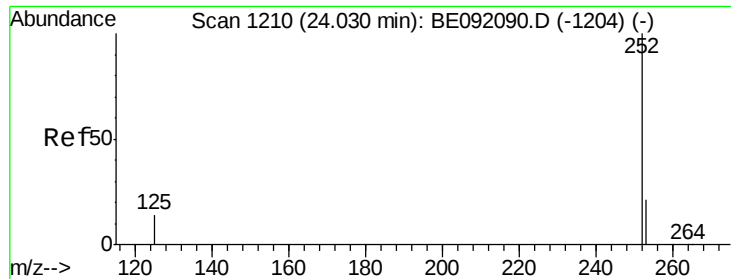
253 21.0 19.4 29.0

125 10.6 8.9 13.3



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: 9.79 ng

RT: 24.03 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

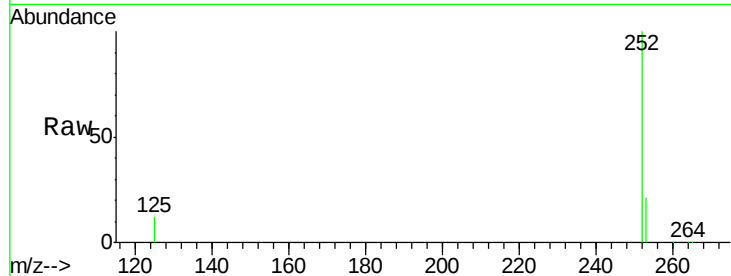
Tot Ion:252 Resp: 224371

Ion Ratio Lower Upper

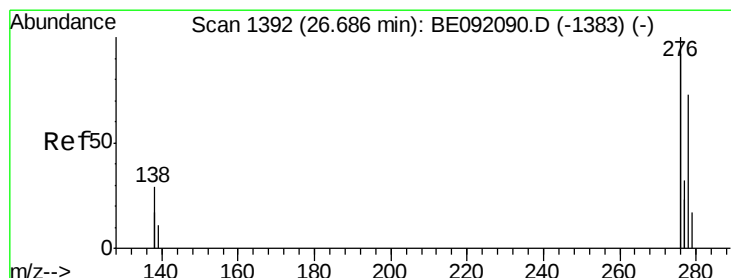
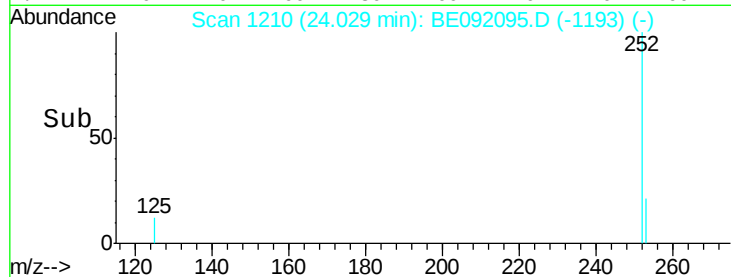
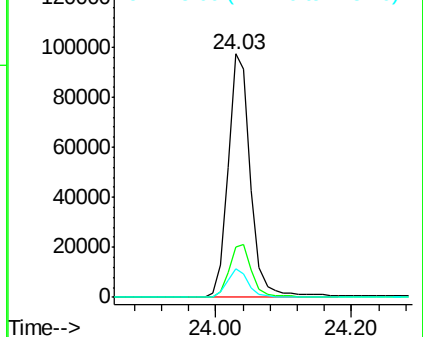
252 100

253 20.9 19.8 29.8

125 11.7 10.4 15.6



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: 10.53 ng

RT: 26.69 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

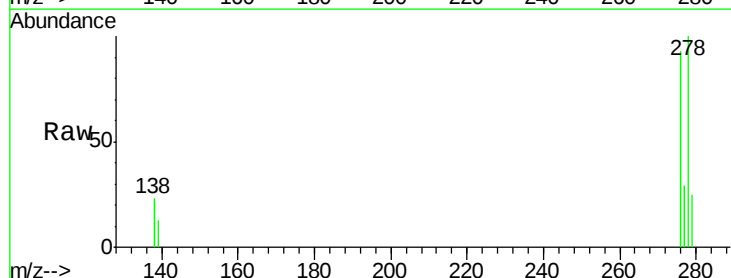
Tgt Ion:278 Resp: 210744

Ion Ratio Lower Upper

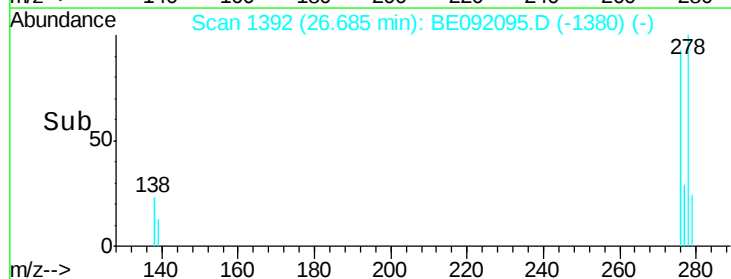
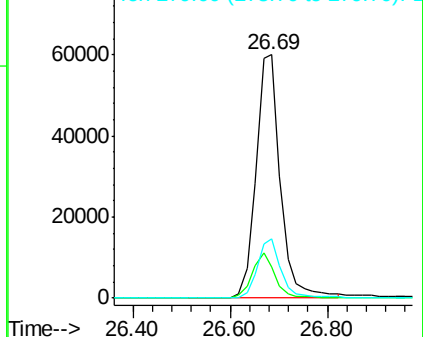
278 100

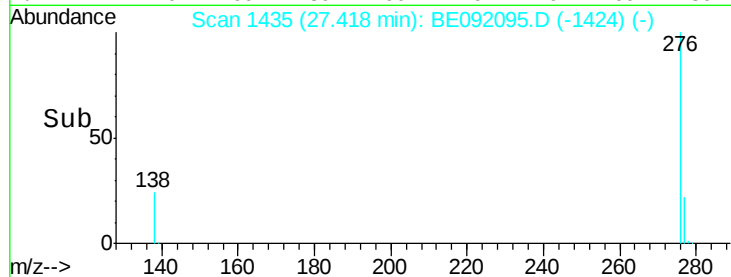
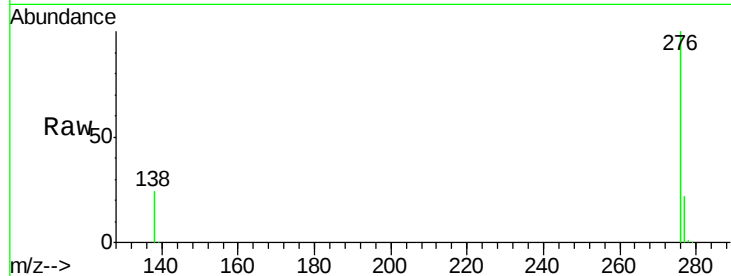
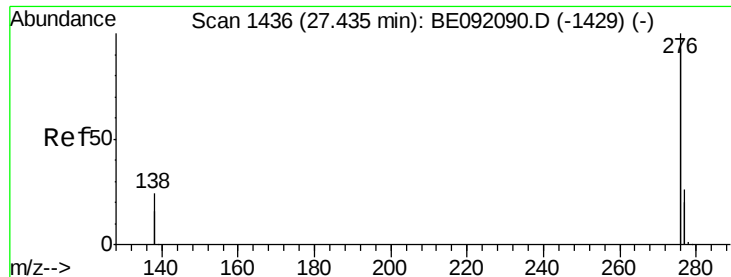
139 12.8 16.7 25.1#

279 24.5 20.3 30.5



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: 10.40 ng

RT: 27.42 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BE092095.D

Acq: 1 Aug 2016 16:12

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 868548

Ion Ratio Lower Upper

276 100

277 22.4 19.5 29.3

138 23.5 20.8 31.2

