

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
 Data File : BE091948.D
 Acq On : 24 Jun 2016 16:06
 Operator : UM/SJ
 Sample : H3676-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008MS

Quant Time: Jun 24 19:14:13 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	29661	5.00	ng	0.02
8) Naphthalene-d8	11.02	136	139581	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	104947	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	203814	5.00	ng	0.00
31) Chrysene-d12	21.76	240	274152	5.00	ng	0.00
40) Perylene-d12	24.18	264	211012	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	57266	9.88	ng	0.00
5) Phenol-d6	7.37	99	83699	8.78	ng	0.02
9) Nitrobenzene-d5	9.37	82	46583	4.83	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	26114	9.54	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	109600	4.11	ng	0.00
34) Terphenyl-d14	20.22	244	170282	5.07	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	9854	2.36	ng	91
3) n-Nitrosodimethylamine	3.82	42	17919	3.77	ng	97
6) bis(2-Chloroethyl)ether	7.63	93	32421	3.82	ng	95
7) n-Nitroso-di-n-propylamine	9.00	70	30967	3.83	ng	# 98
10) Nitrobenzene	9.40	77	42453	3.89	ng	# 98
11) bis(2-Chloroethoxy)methane	10.42	93	45593	3.73	ng	# 19
12) Naphthalene	11.04	128	110974	3.64	ng	# 93
13) Hexachlorobutadiene	11.34	225	18639	3.78	ng	98
14) 2-Methylnaphthalene	12.68	142	85276	4.12	ng	98
18) Acenaphthylene	14.56	152	426902	4.01	ng	# 60
19) 2,6-Dinitrotoluene	14.44	165	75336	3.31	ng	# 40
20) Acenaphthene	14.92	154	109544	3.73	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	78863	3.78	ng	# 91
22) Fluorene	15.91	166	113785	3.90	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	52533	3.65	ng	99
25) 4-Bromophenyl-phenylether	16.78	248	32448	4.12	ng	98
26) Hexachlorobenzene	16.92	284	31714	3.92	ng	97
27) Pentachlorophenol	17.25	266	31746	7.08	ng	# 81
28) Phenanthrene	17.64	178	190562	3.74	ng	99
29) Anthracene	17.73	178	189482	4.20	ng	100
30) Fluoranthene	19.65	202	896260	4.11	ng	# 87
32) Benzidine	19.83	184	17612	1.47	ng	# 93
33) Pyrene	20.02	202	887737	4.76	ng	# 79
35) Benzo(a)anthracene	21.73	228	171436m	3.98	ng	
36) 3,3'-Dichlorobenzidine	21.67	252	40601	5.82	ng	# 62
37) Chrysene	21.79	228	220371m	3.50	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	269436	5.63	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	945599	4.39	ng	98
41) Benzo(b)fluoranthene	23.42	252	236952	4.37	ng	98
42) Benzo(k)fluoranthene	23.48	252	188577	3.80	ng	98
43) Benzo(a)pyrene	24.06	252	213023	4.50	ng	97
44) Dibenzo(a,h)anthracene	26.72	278	195001	4.23	ng	99
45) Benzo(a,h,i)perylene	27.47	276	798641	4.20	ng	98

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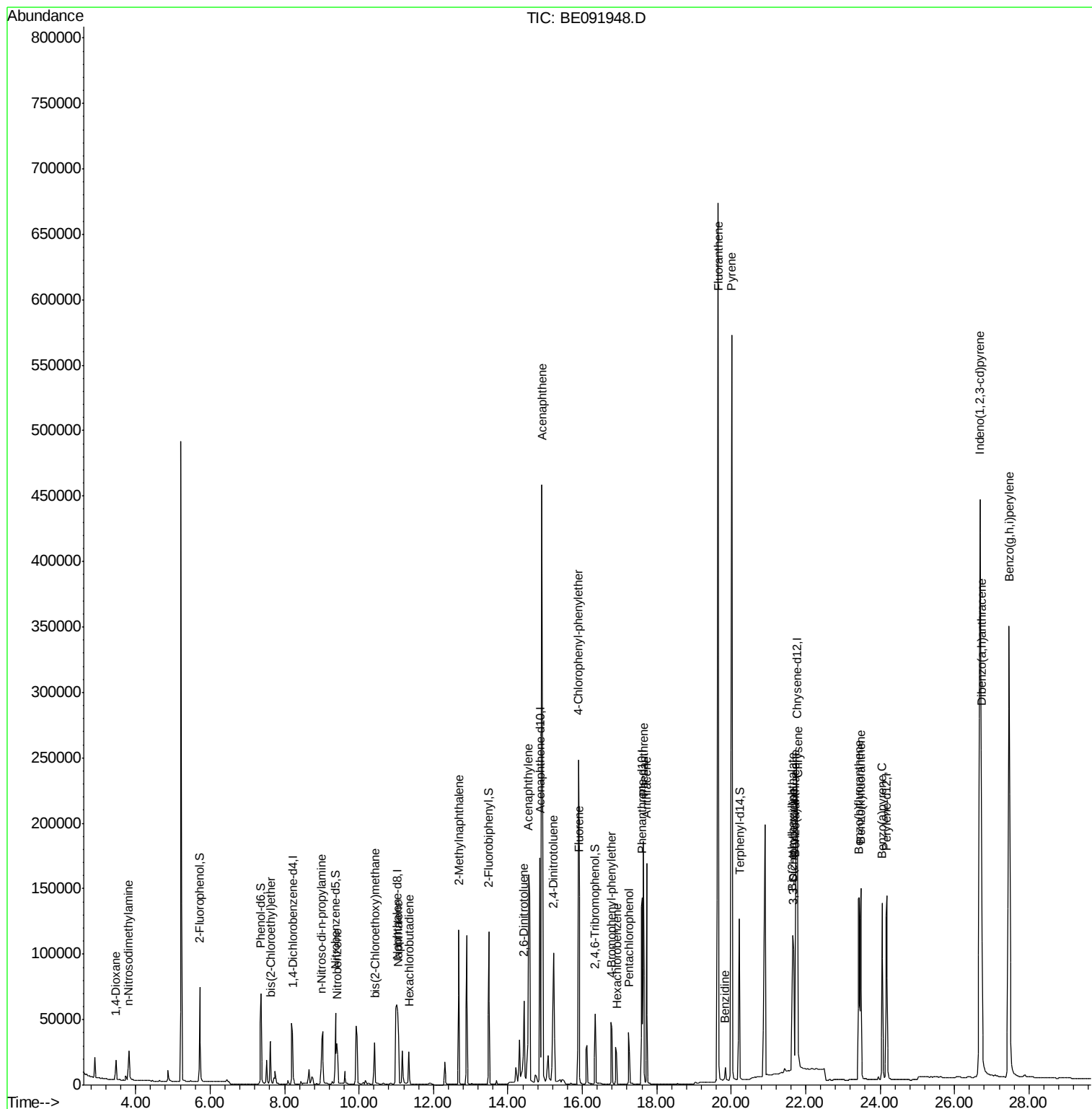
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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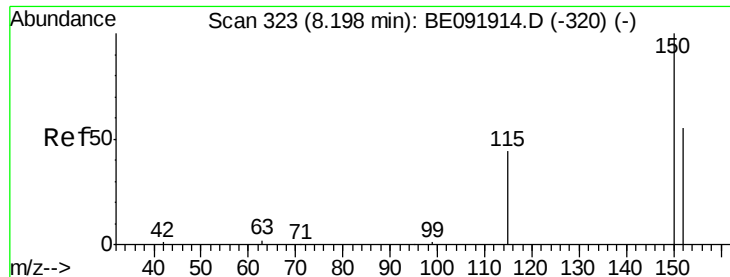
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.21 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

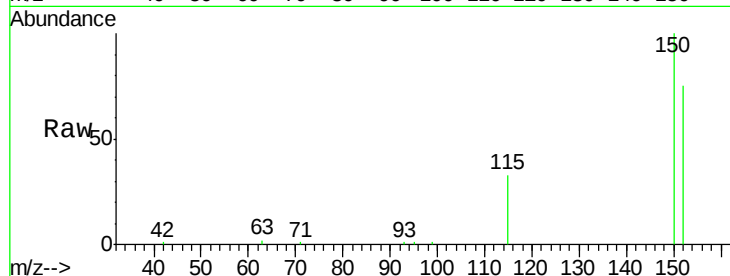
Tot Ion:152 Resp: 29661

Ion Ratio Lower Upper

152 100

150 132.6 123.9 185.9

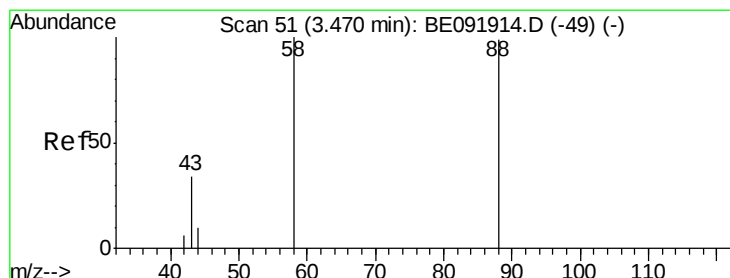
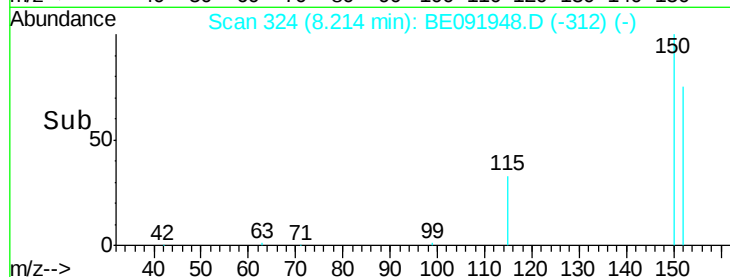
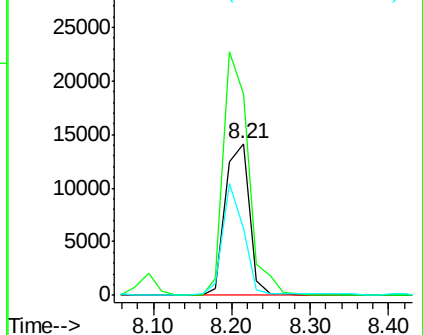
115 44.2 48.3 72.5#



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: 2.36 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

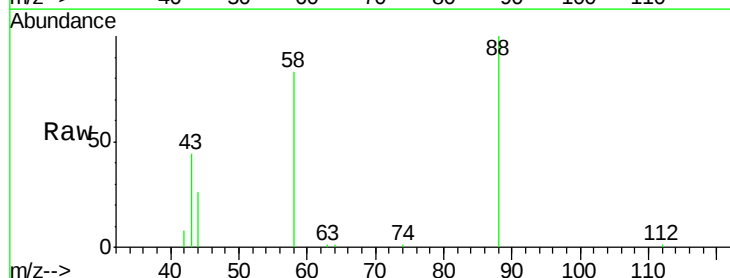
Tgt Ion: 88 Resp: 9854

Ion Ratio Lower Upper

88 100

58 86.5 63.0 94.4

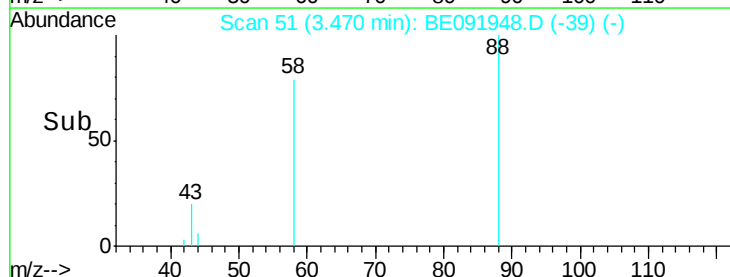
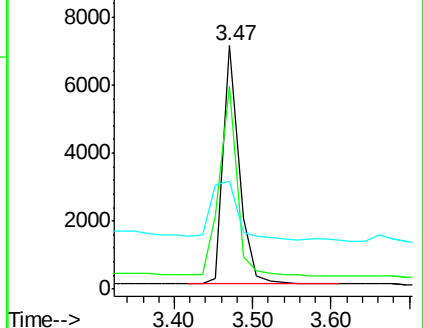
43 42.4 29.1 43.7

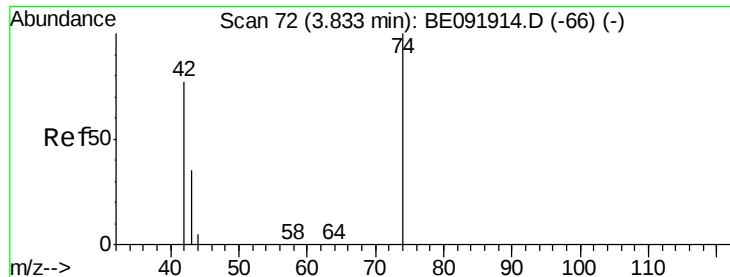


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.77 ng

RT: 3.82 min Scan# 71

Delta R.T. 0.02 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

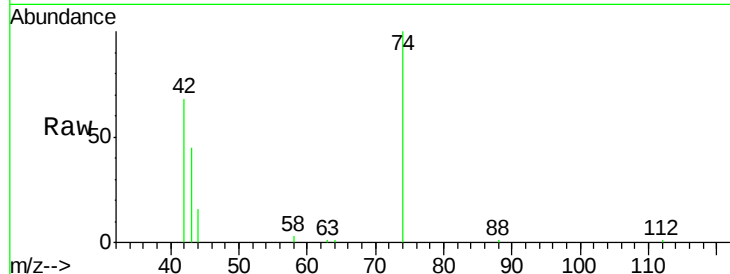
Tot Ion: 42 Resp: 17919

Ion Ratio Lower Upper

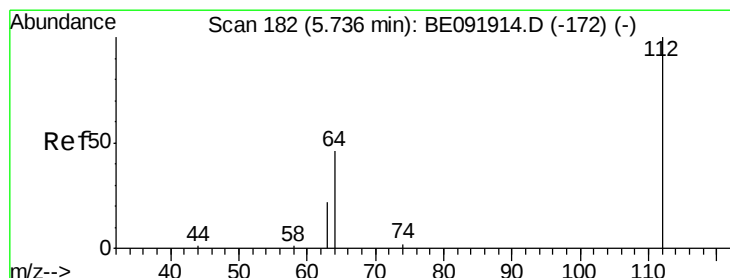
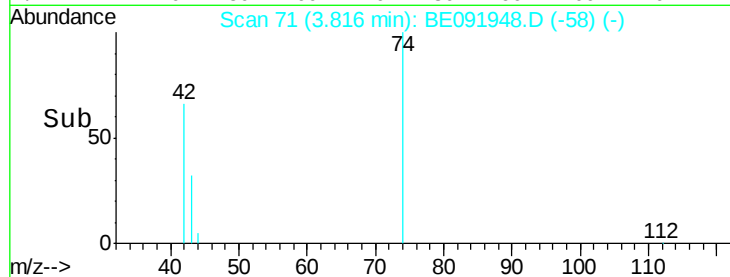
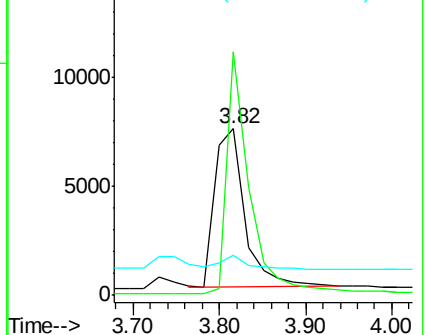
42 100

74 112.9 93.4 140.0

44 7.4 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: 9.88 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

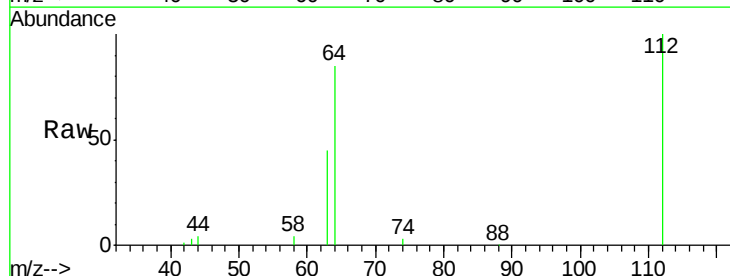
Tgt Ion: 112 Resp: 57266

Ion Ratio Lower Upper

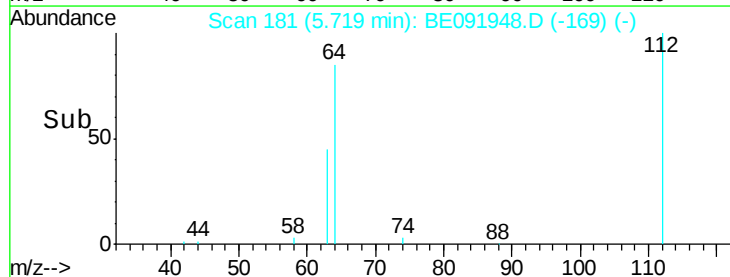
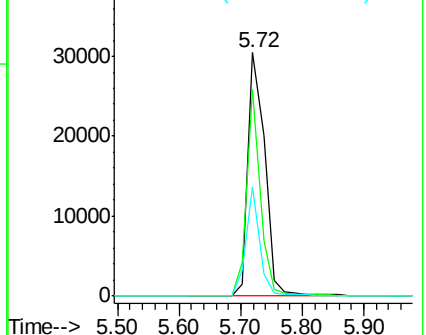
112 100

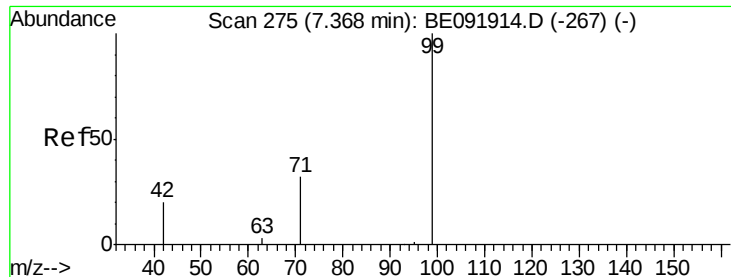
64 69.5 53.7 80.5

63 36.8 29.5 44.3



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





#5

Phenol-d6

Concen: 8.78 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

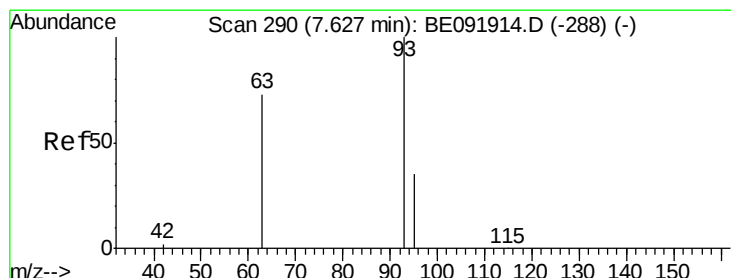
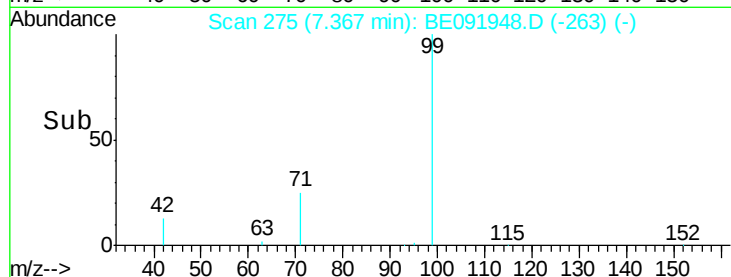
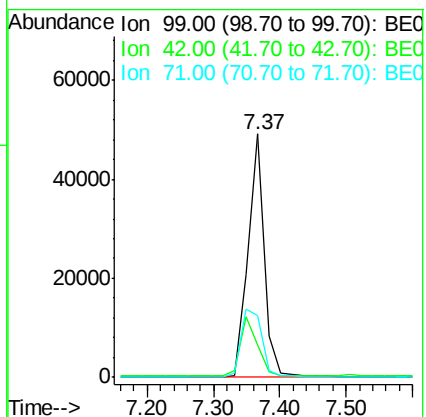
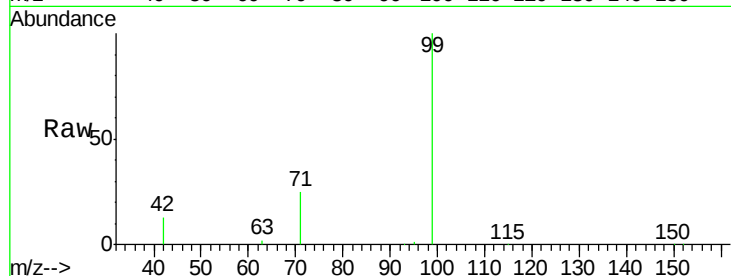
Tot Ion: 99 Resp: 83699

Ion Ratio Lower Upper

99 100

42 25.8 19.6 29.4

71 35.7 28.1 42.1



#6

bis(2-Chloroethyl)ether

Concen: 3.82 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

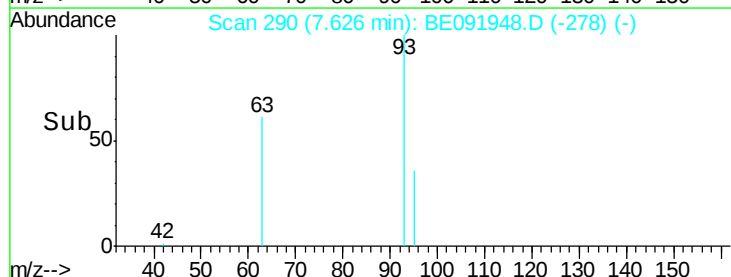
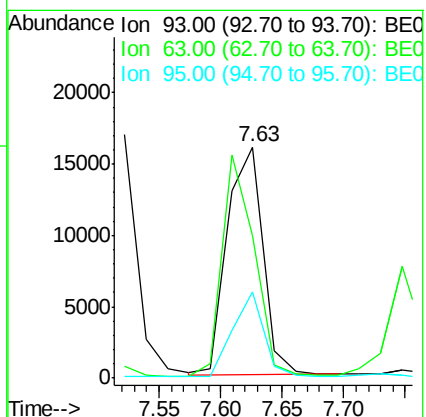
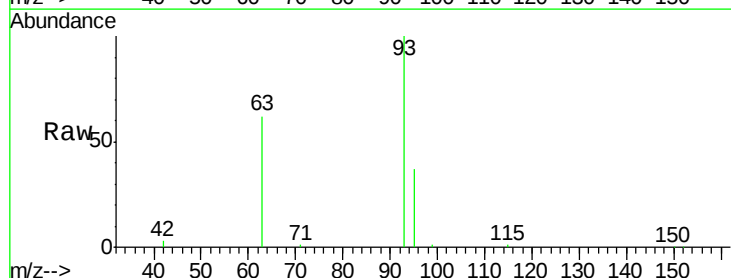
Tgt Ion: 93 Resp: 32421

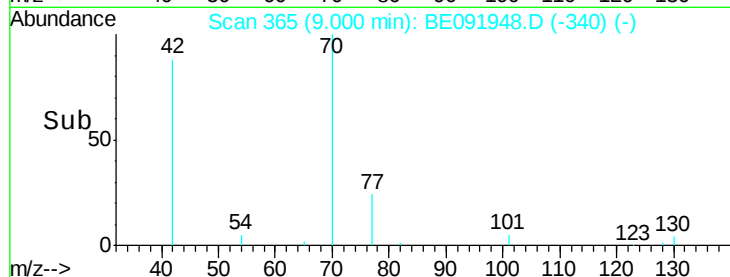
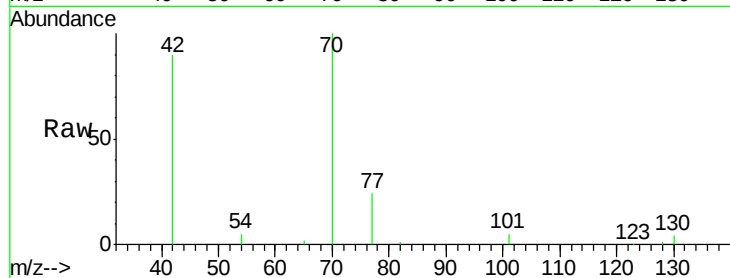
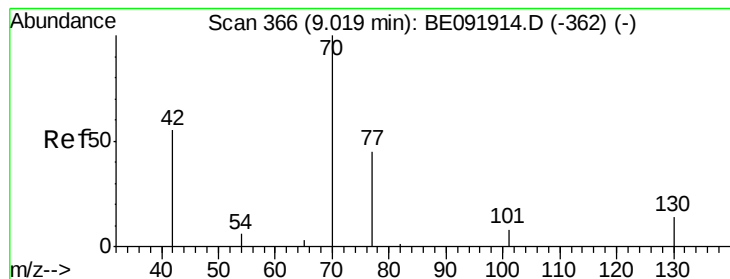
Ion Ratio Lower Upper

93 100

63 88.2 66.2 99.4

95 32.5 25.5 38.3





#7

n-Nitroso-di-n-propylamine

Concen: 3.83 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

Tot Ion: 70 Resp: 30967

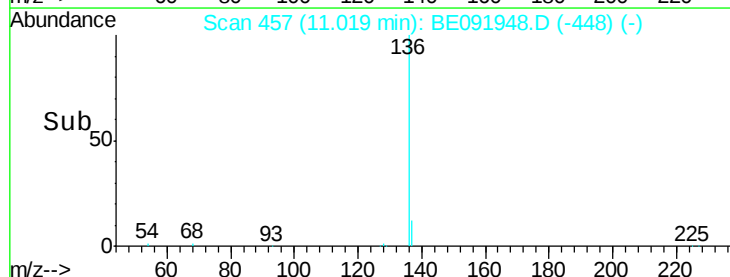
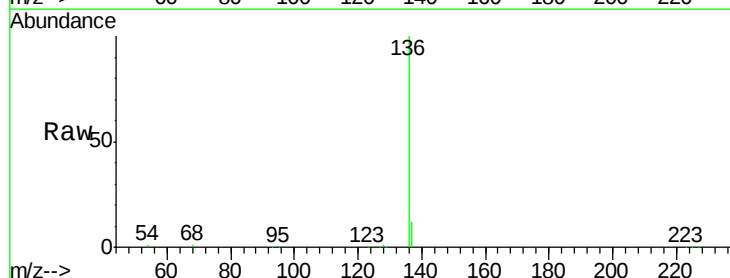
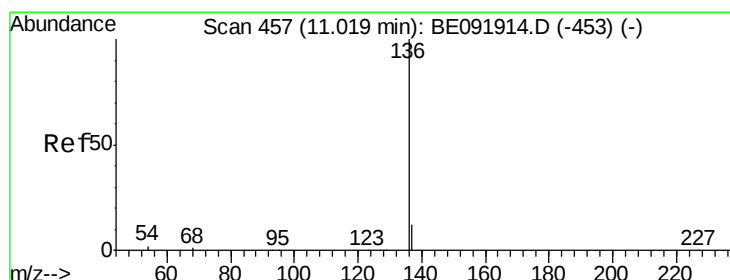
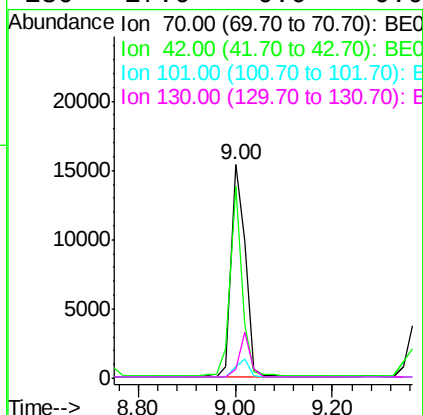
Ion Ratio Lower Upper

70 100

42 74.9 58.4 87.6

101 8.4 6.4 9.6

130 17.0 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.02 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Tgt Ion: 136 Resp: 139581

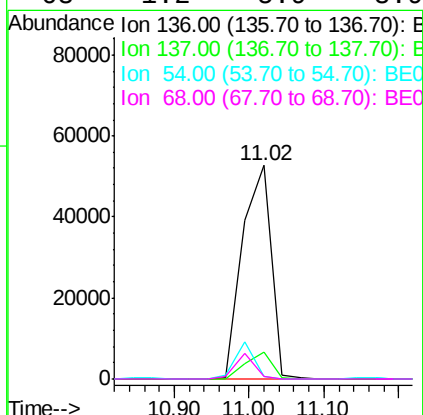
Ion Ratio Lower Upper

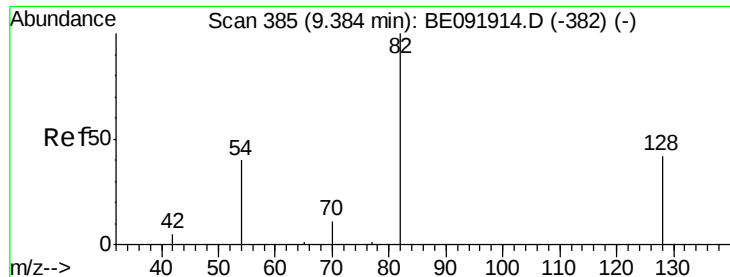
136 100

137 12.3 8.3 12.5

54 1.4 8.2 12.4#

68 1.2 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 4.83 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

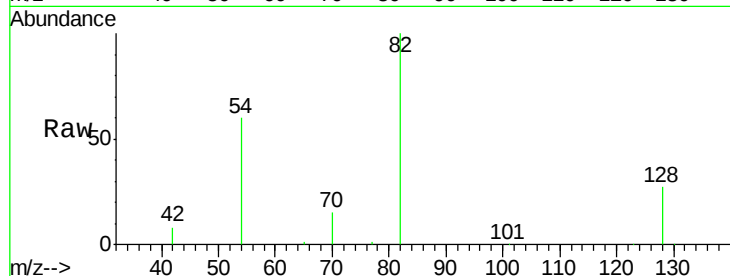
Tot Ion: 82 Resp: 46583

Ion Ratio Lower Upper

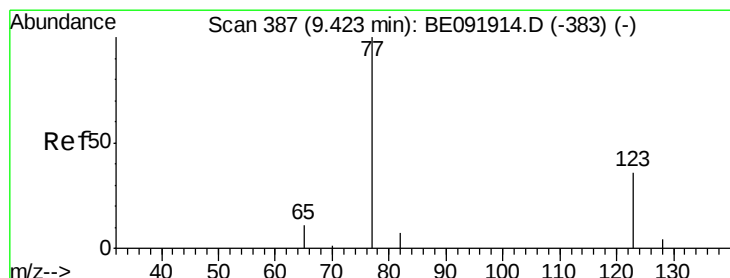
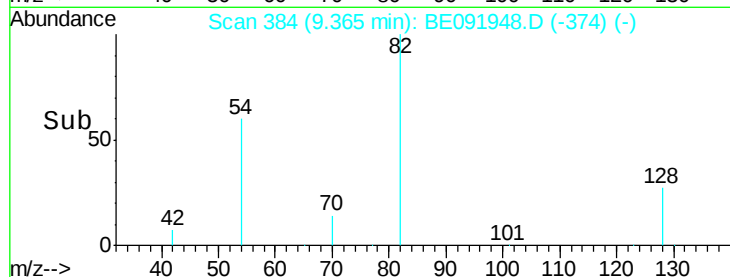
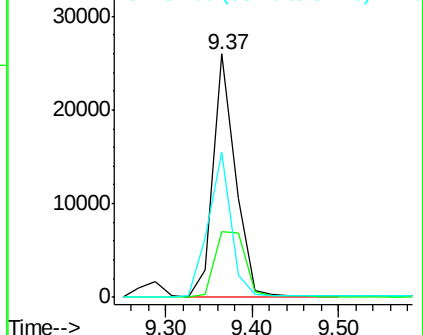
82 100

128 27.2 39.5 59.3#

54 59.8 30.3 45.5#



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#10

Nitrobenzene

Concen: 3.89 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

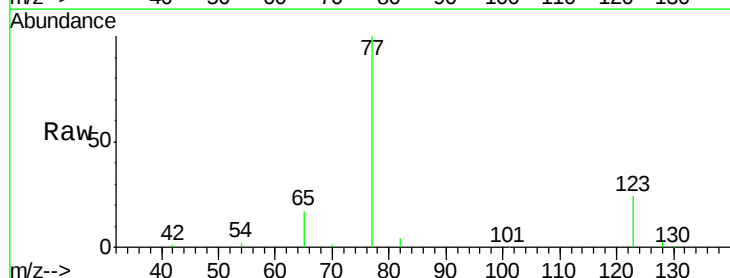
Tgt Ion: 77 Resp: 42453

Ion Ratio Lower Upper

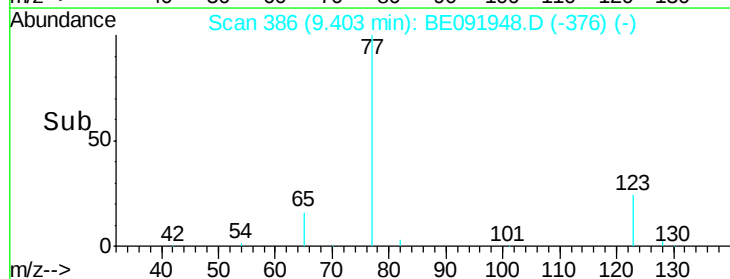
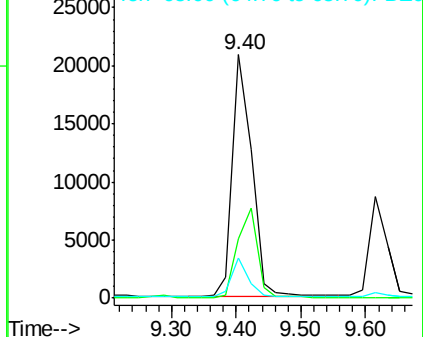
77 100

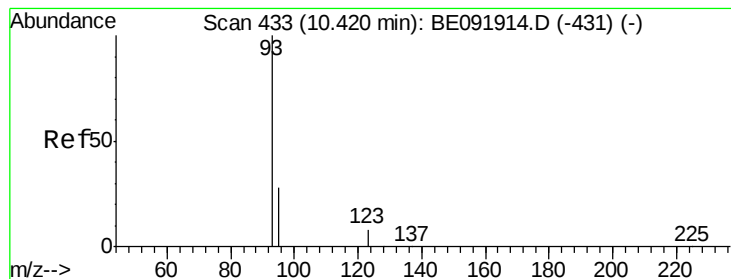
123 38.2 0.0 0.0#

65 14.5 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: 3.73 ng

RT: 10.42 min Scan# 433

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

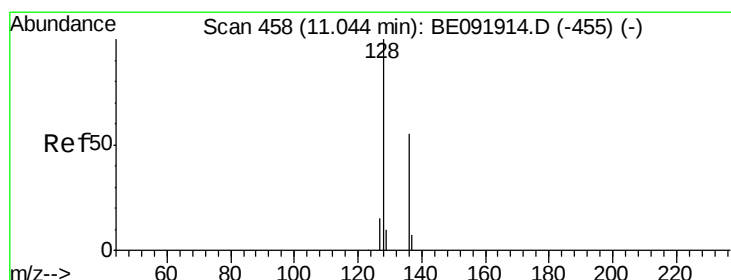
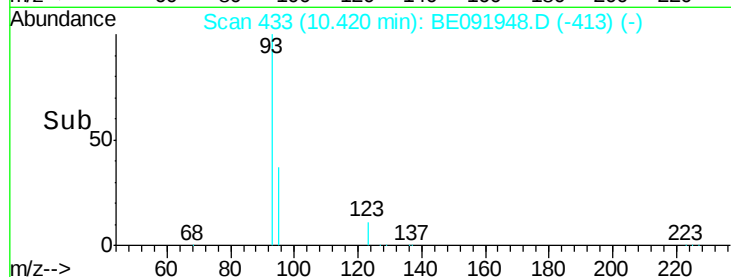
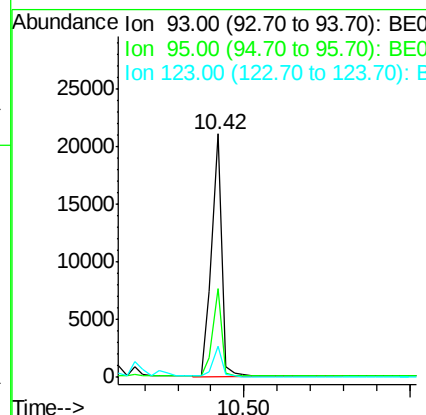
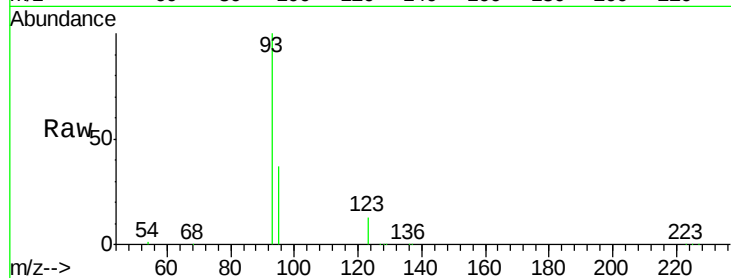
Tot Ion: 93 Resp: 45593

Ion Ratio Lower Upper

93 100

95 32.8 57.6 86.4#

123 10.7 100.2 150.4#



#12

Naphthalene

Concen: 3.64 ng

RT: 11.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

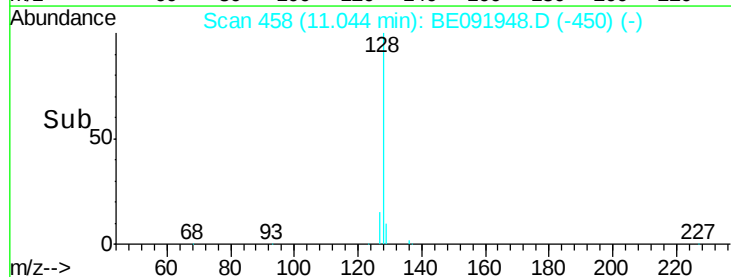
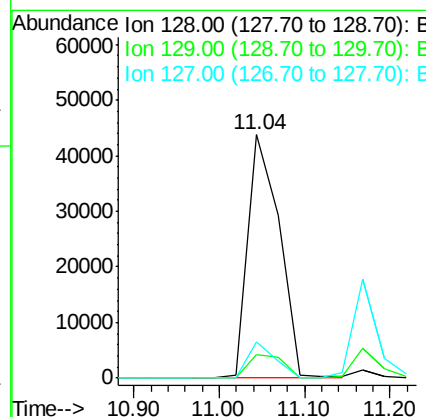
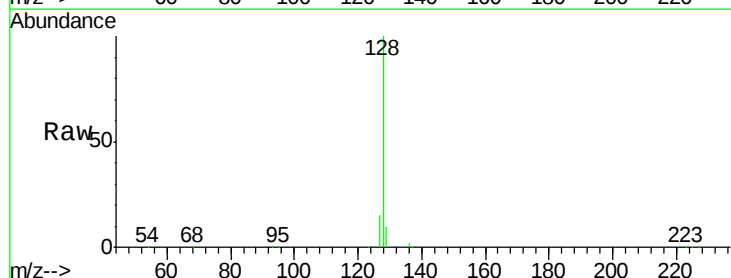
Tgt Ion: 128 Resp: 110974

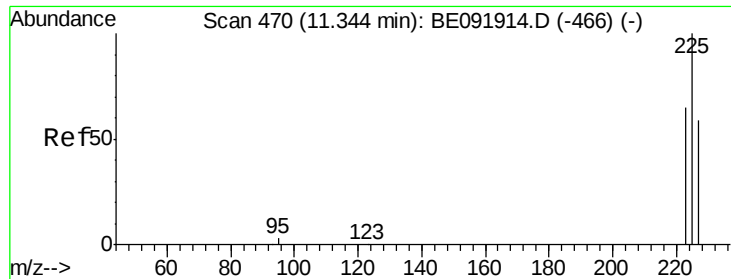
Ion Ratio Lower Upper

128 100

129 9.8 10.4 15.6#

127 15.2 10.2 15.2

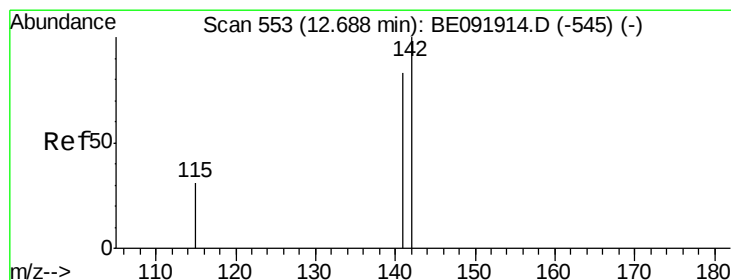
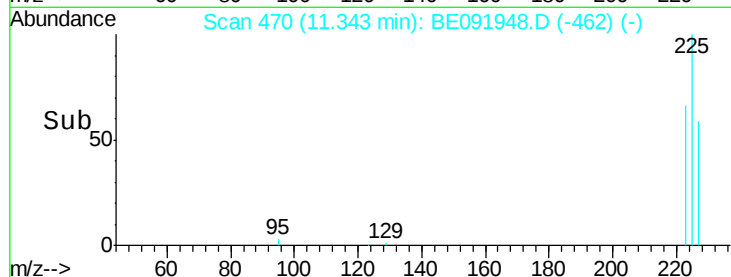
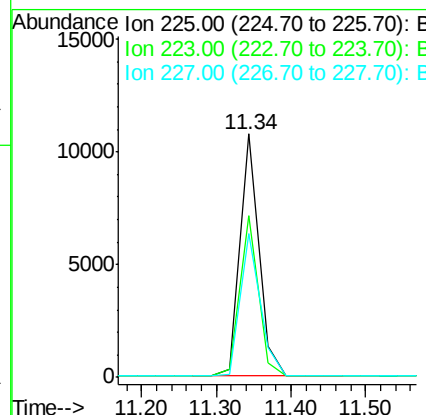
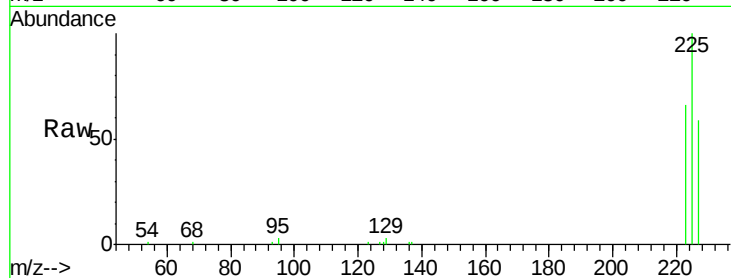




#13
Hexachlorobutadiene
Concen: 3.78 ng
RT: 11.34 min Scan# 470
Delta R.T. -0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

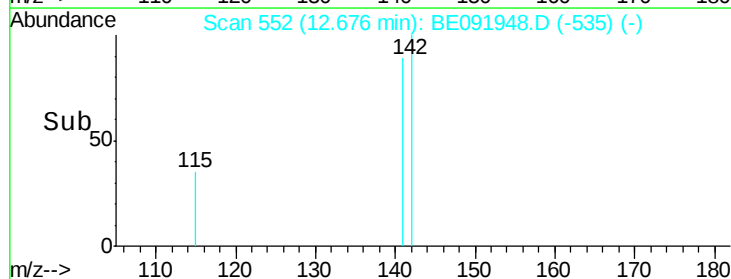
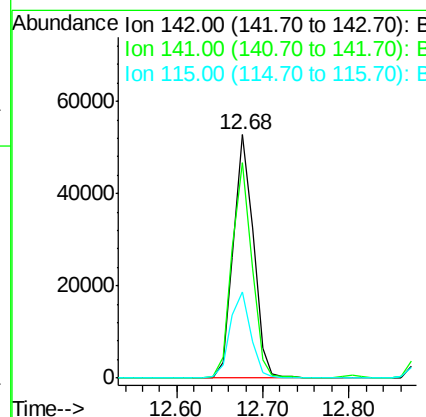
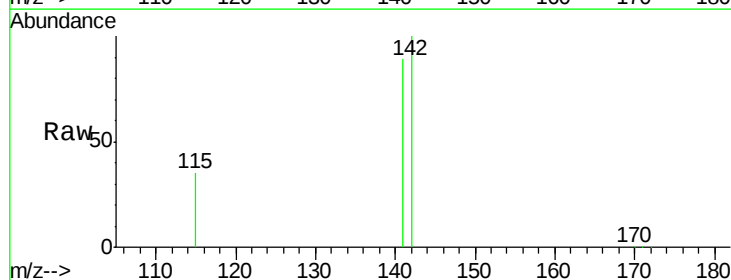
Instrument :
BNA_E
ClientSampleId :
NCHC-008MS

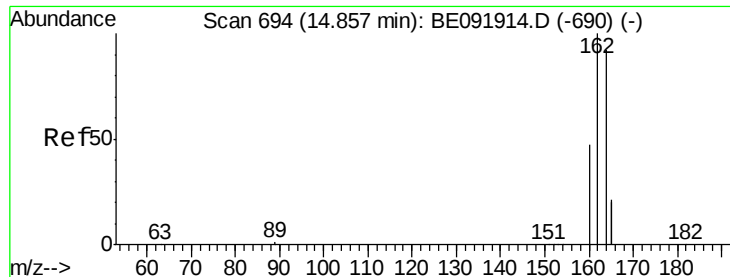
Tot Ion:225 Resp: 18639
Ion Ratio Lower Upper
225 100
223 64.5 49.8 74.8
227 62.2 50.6 75.8



#14
2-Methylnaphthalene
Concen: 4.12 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

Tgt Ion:142 Resp: 85276
Ion Ratio Lower Upper
142 100
141 88.6 71.9 107.9
115 35.4 29.9 44.9





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

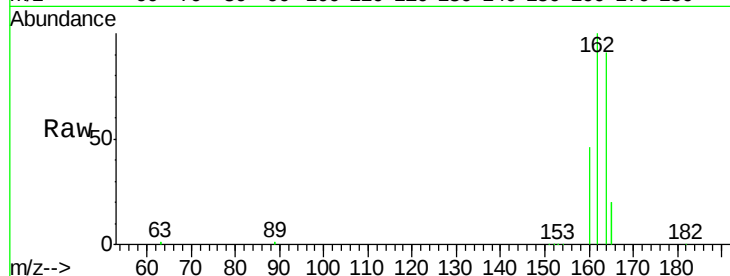
Tot Ion:164 Resp: 104947

Ion Ratio Lower Upper

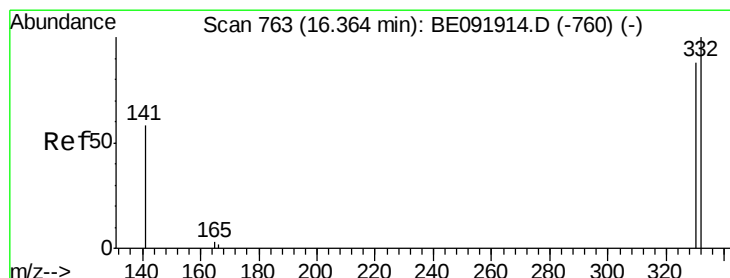
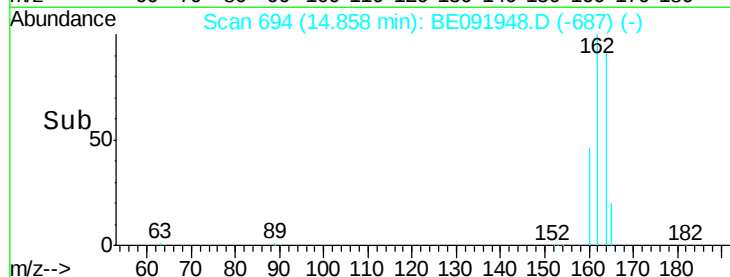
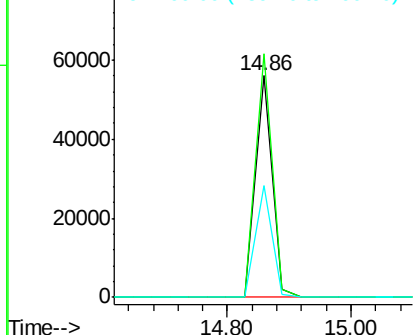
164 100

162 110.0 71.8 107.8#

160 50.7 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: 9.54 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

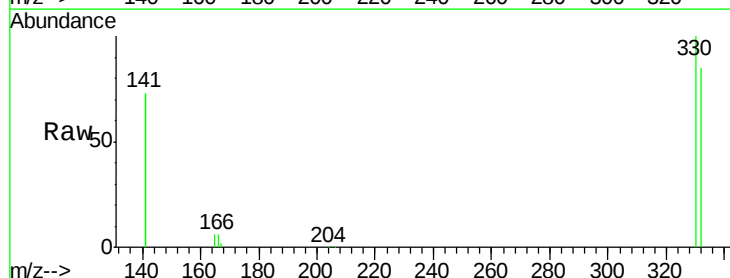
Tgt Ion:330 Resp: 26114

Ion Ratio Lower Upper

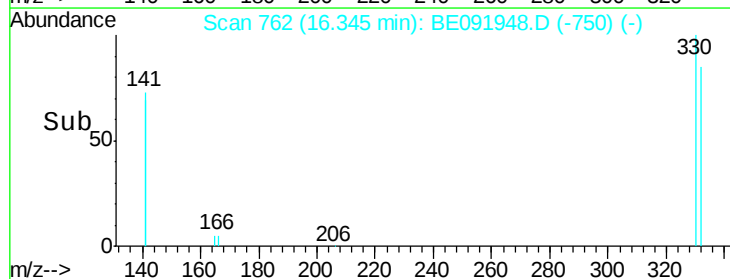
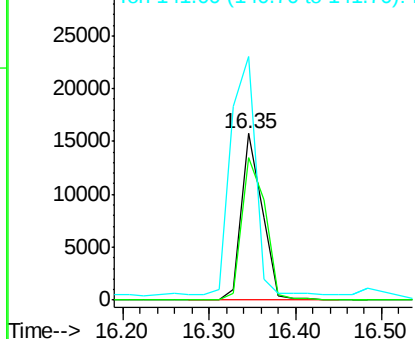
330 100

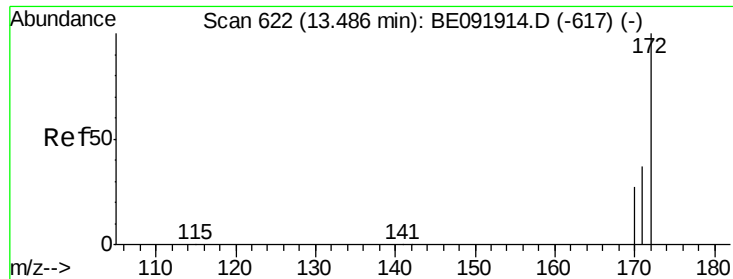
332 96.5 77.0 115.6

141 173.9 138.4 207.6



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

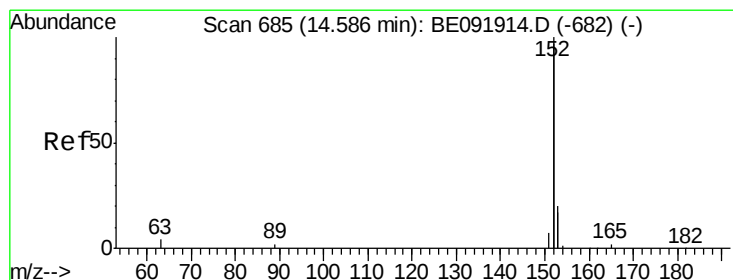
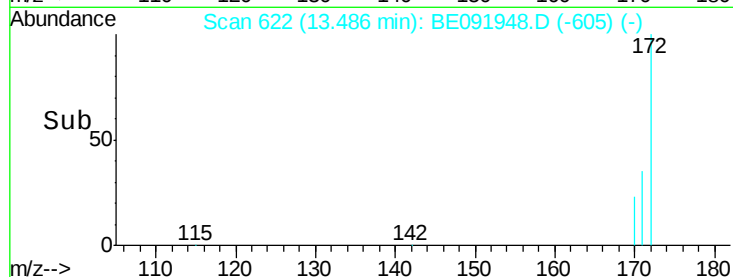
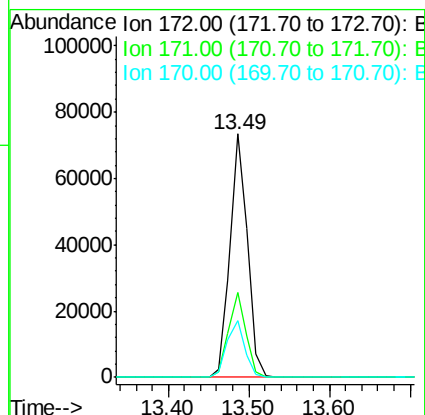
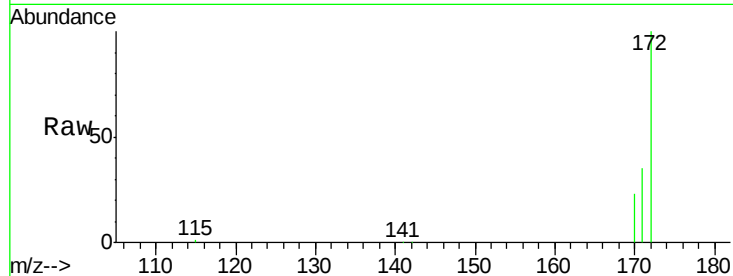




#17
2-Fluorobiphenyl
Concen: 4.11 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

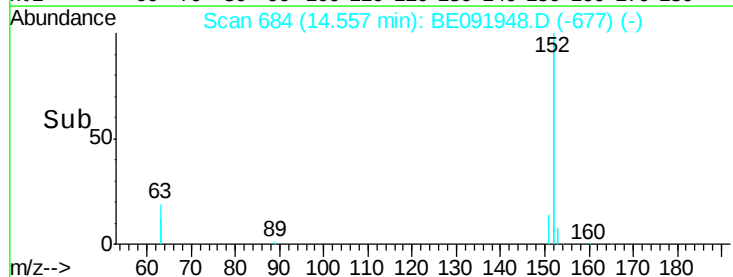
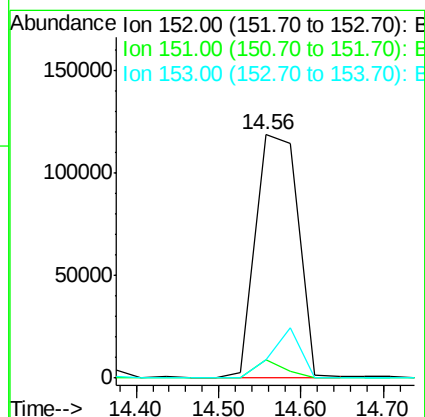
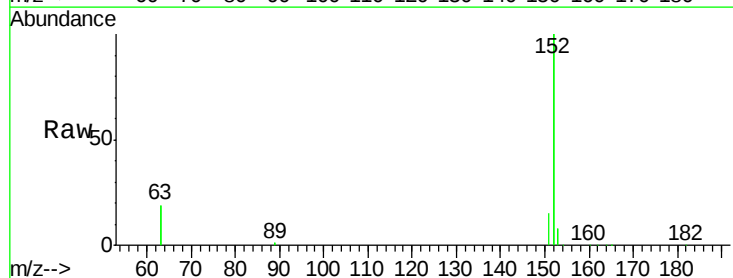
Instrument :
BNA_E
ClientSampleId :
NCHC-008MS

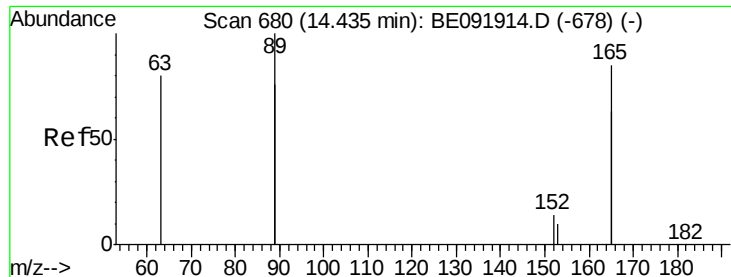
Tot Ion:172 Resp: 109600
Ion Ratio Lower Upper
172 100
171 34.9 24.3 36.5
170 23.5 14.9 22.3#



#18
Acenaphthylene
Concen: 4.01 ng
RT: 14.56 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

Tgt Ion:152 Resp: 426902
Ion Ratio Lower Upper
152 100
151 5.1 19.4 29.2#
153 0.0 14.4 21.6#

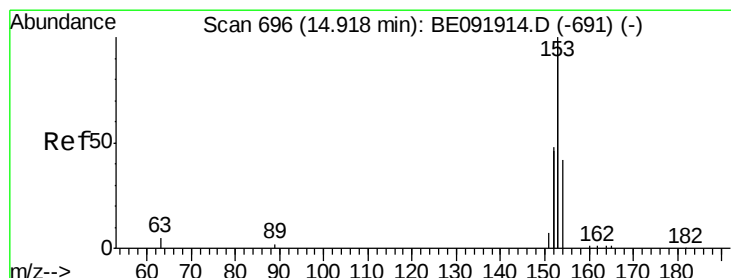
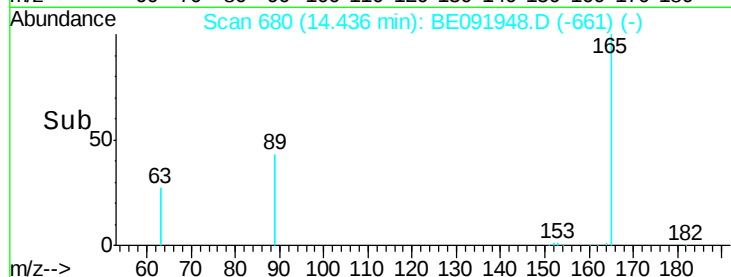
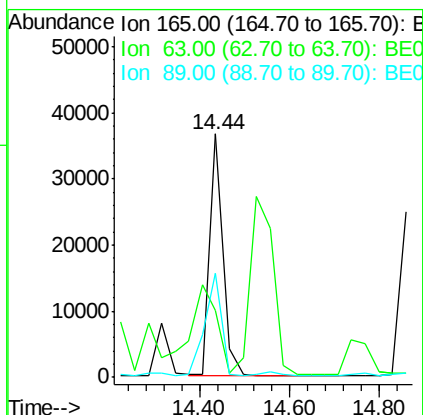
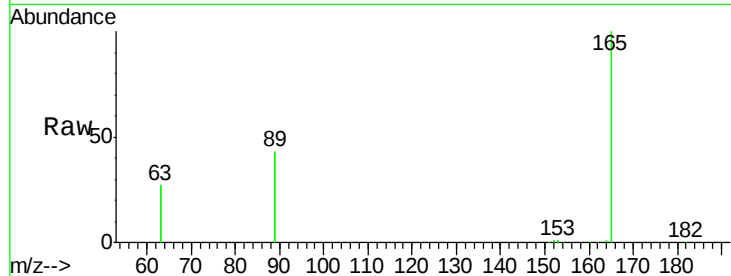




#19
2,6-Dinitrotoluene
Concen: 3.31 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

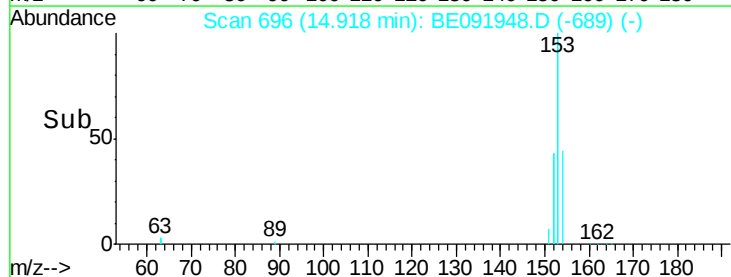
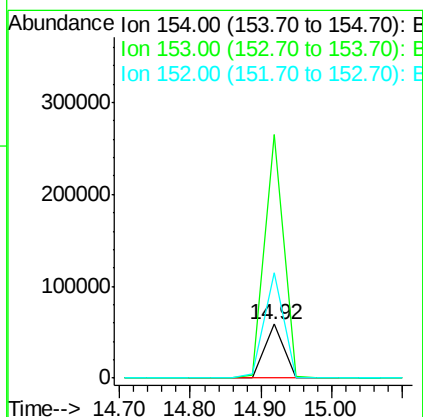
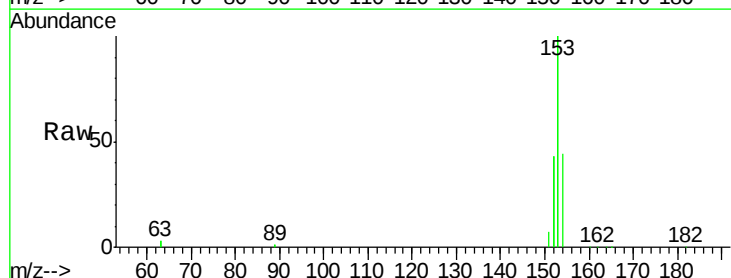
Instrument :
BNA_E
ClientSampleId :
NCHC-008MS

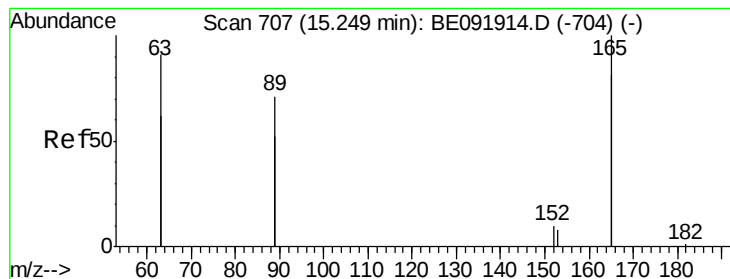
Tot Ion:165 Resp: 75336
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 53.8 59.1 88.7#



#20
Acenaphthene
Concen: 3.73 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

Tgt Ion:154 Resp: 109544
Ion Ratio Lower Upper
154 100
153 445.8 88.1 132.1#
152 196.9 44.2 66.2#





#21

2,4-Dinitrotoluene

Concen: 3.78 ng

RT: 15.22 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

Tot Ion:165 Resp: 78863

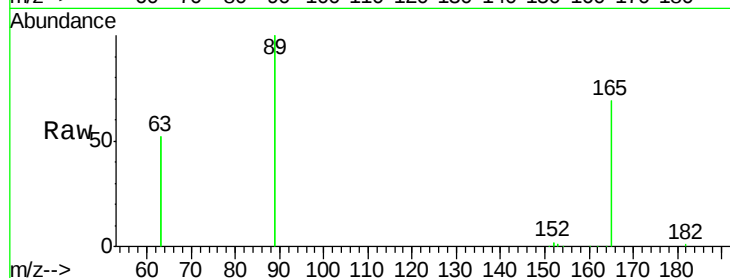
Ion Ratio Lower Upper

165 100

63 94.7 0.0 0.0#

89 135.2 99.8 149.8

182 0.6 0.0 0.0#

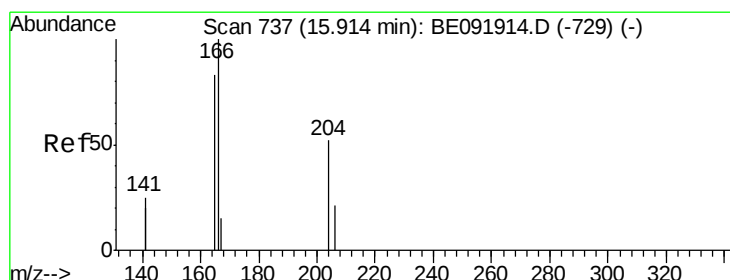
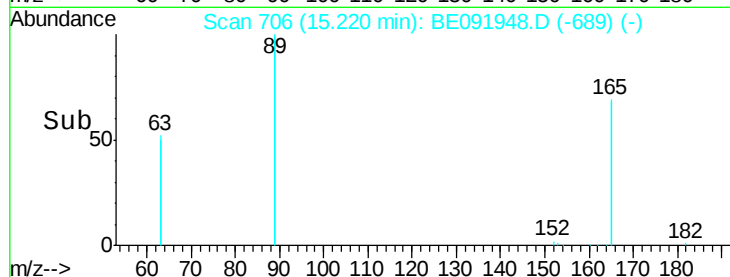
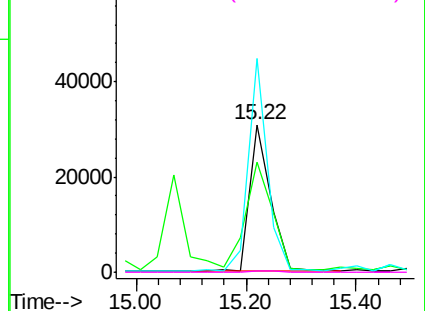


Abundance Ion 165.00 (164.70 to 165.70): E

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



#22

Fluorene

Concen: 3.90 ng

RT: 15.91 min Scan# 737

Delta R.T. 0.02 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

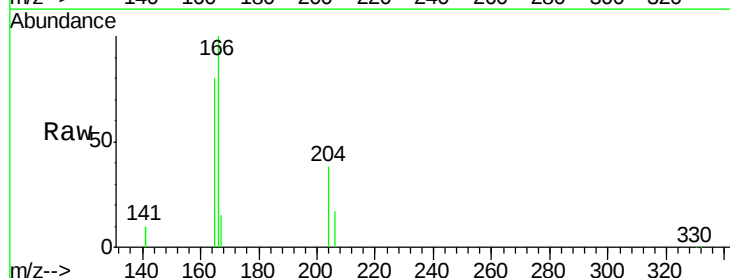
Tgt Ion:166 Resp: 113785

Ion Ratio Lower Upper

166 100

165 98.3 78.6 117.8

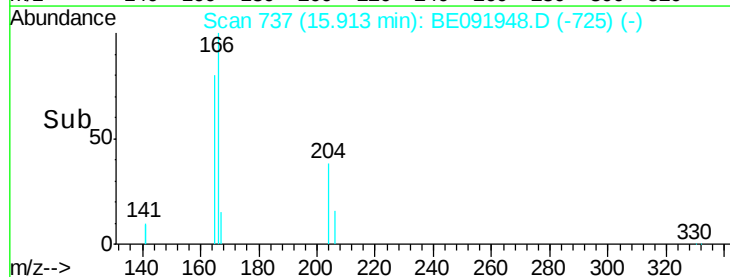
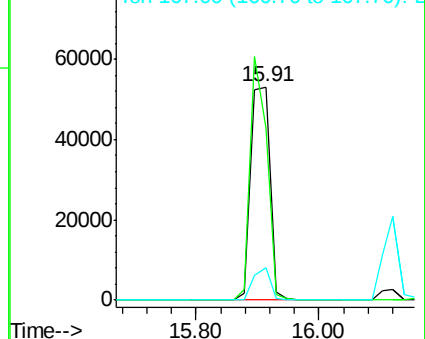
167 13.5 10.8 16.2

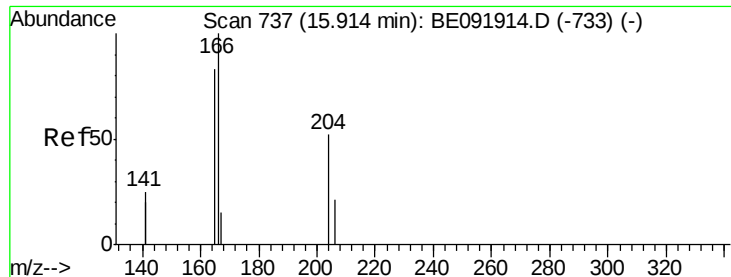


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

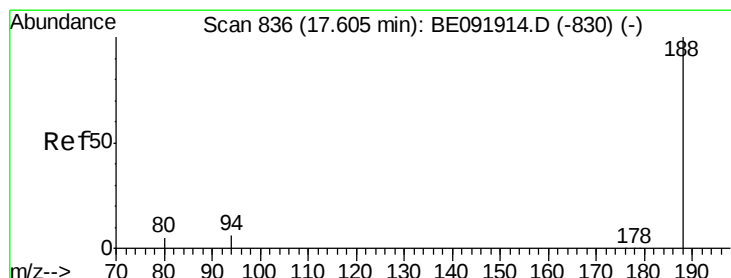
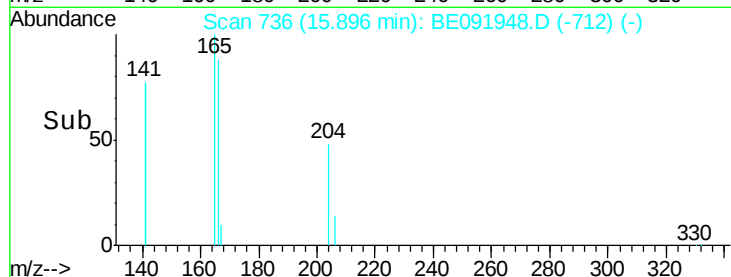
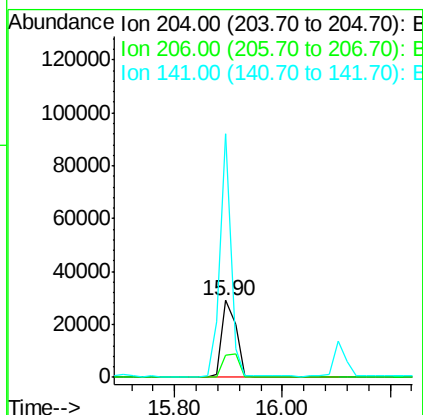
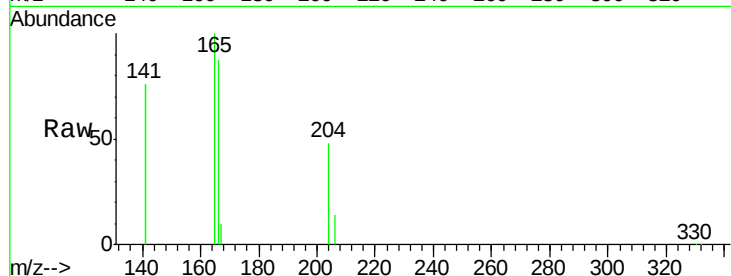




#23
4-Chlorophenyl-phenylether
Concen: 3.65 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

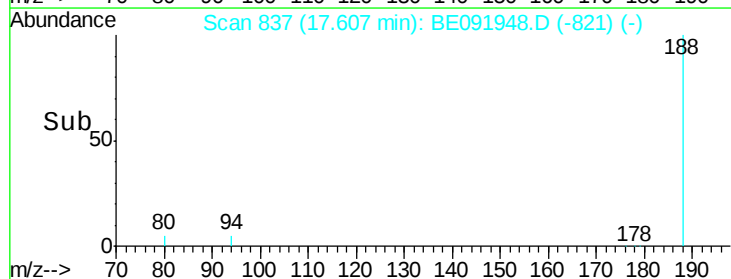
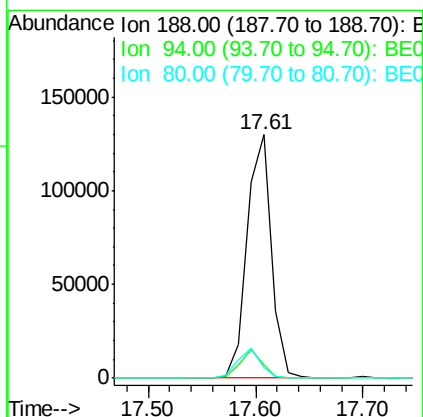
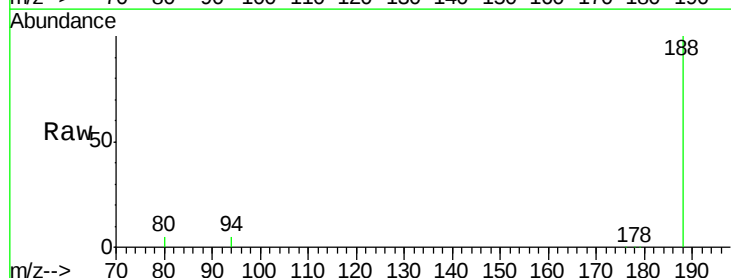
Instrument :
BNA_E
ClientSampleId :
NCHC-008MS

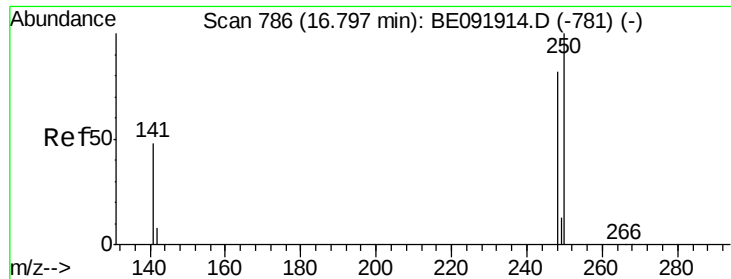
Tot Ion:204 Resp: 52533
Ion Ratio Lower Upper
204 100
206 34.4 27.8 41.6
141 245.3 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 837
Delta R.T. 0.00 min
Lab File: BE091948.D
Acq: 24 Jun 2016 16:06

Tgt Ion:188 Resp: 203814
Ion Ratio Lower Upper
188 100
94 5.3 4.1 6.1
80 4.5 3.4 5.2





#25

4-Bromophenyl-phenylether

Concen: 4.12 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

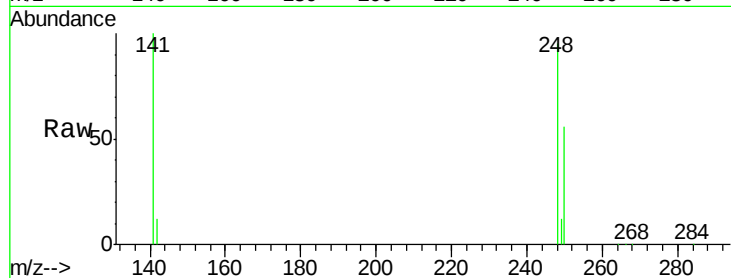
Tot Ion:248 Resp: 32448

Ion Ratio Lower Upper

248 100

250 97.5 75.7 113.5

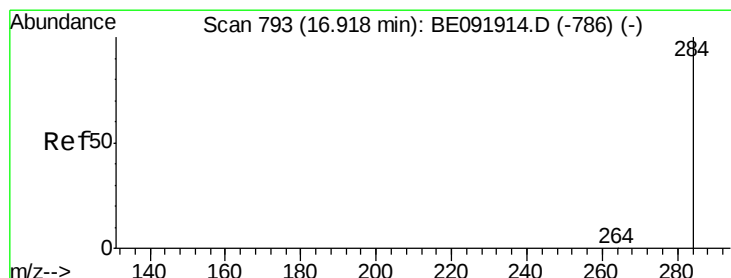
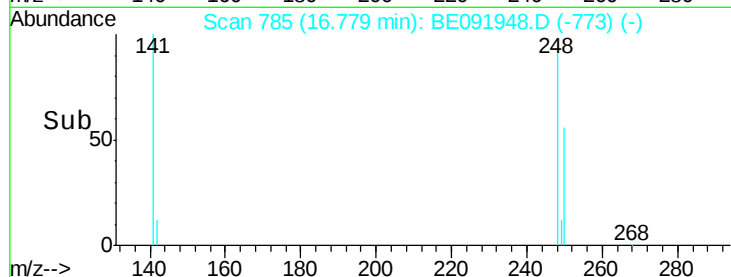
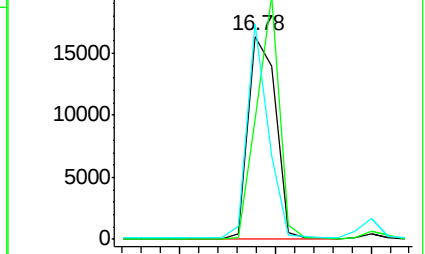
141 80.4 64.6 97.0



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 3.92 ng

RT: 16.92 min Scan# 793

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

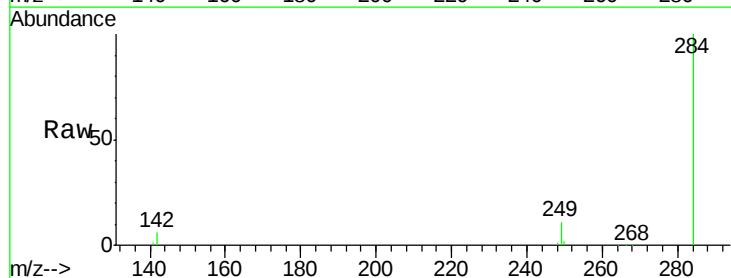
Tgt Ion:284 Resp: 31714

Ion Ratio Lower Upper

284 100

142 40.7 31.4 47.2

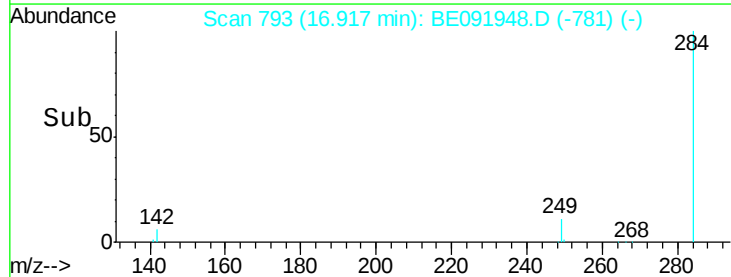
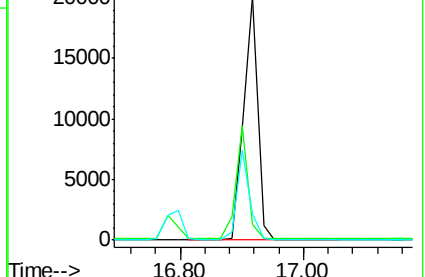
249 33.1 25.3 37.9

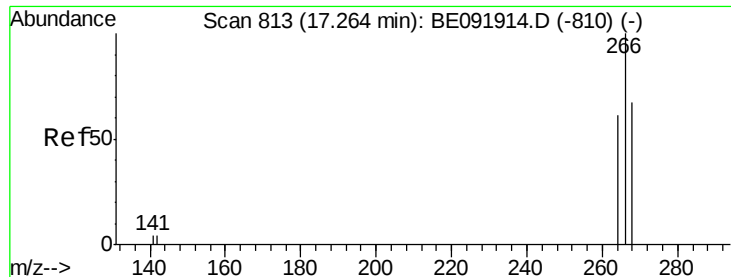


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 7.08 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

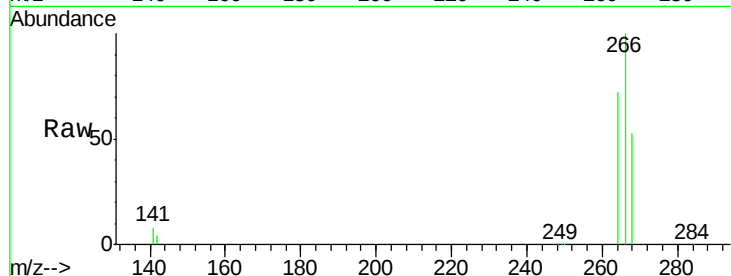
Tot Ion:266 Resp: 31746

Ion Ratio Lower Upper

266 100

268 52.7 60.5 90.7#

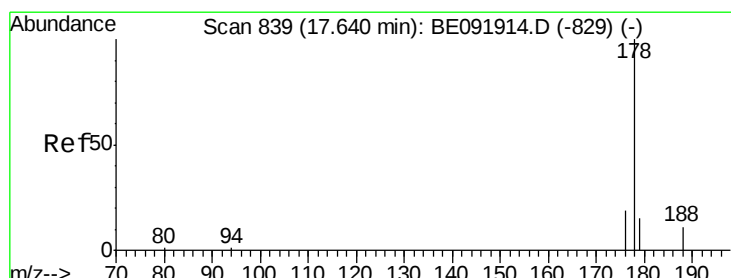
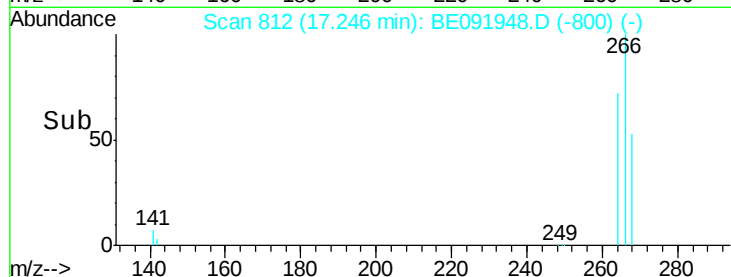
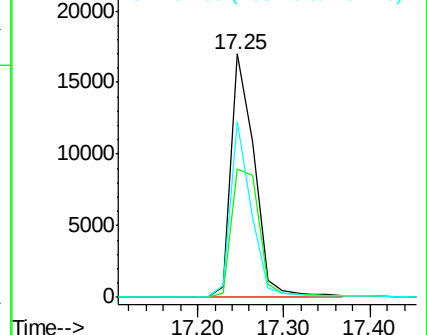
264 72.0 51.0 76.4



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: 3.74 ng

RT: 17.64 min Scan# 840

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

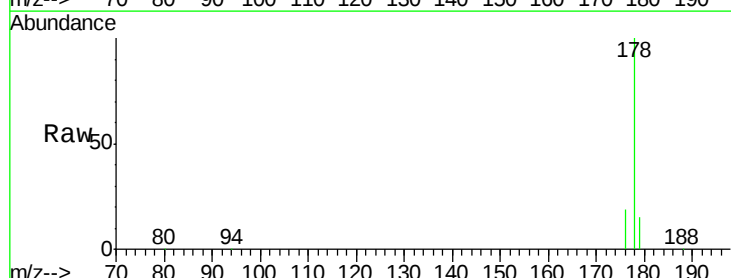
Tgt Ion:178 Resp: 190562

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

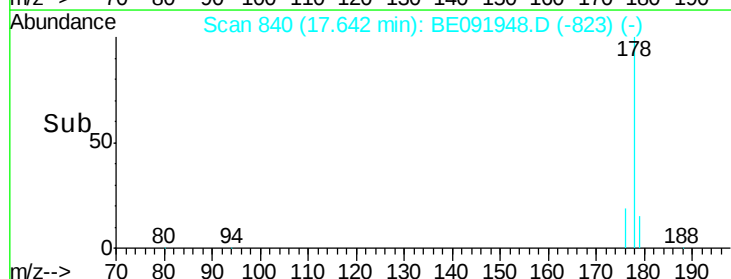
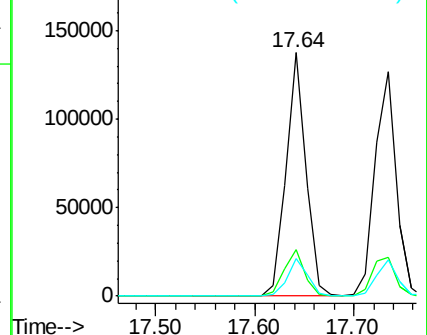
179 15.6 12.9 19.3

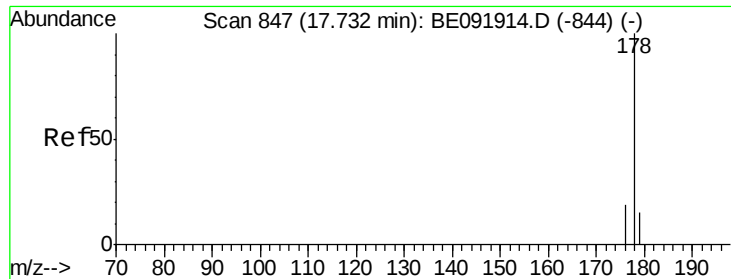


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

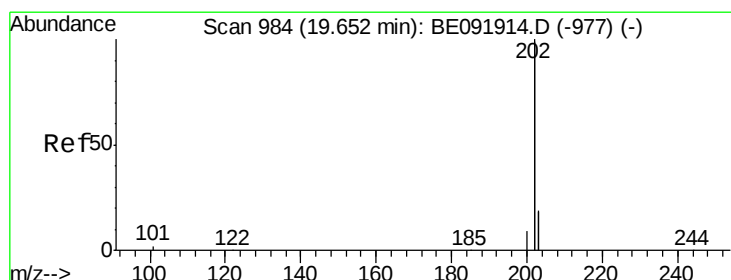
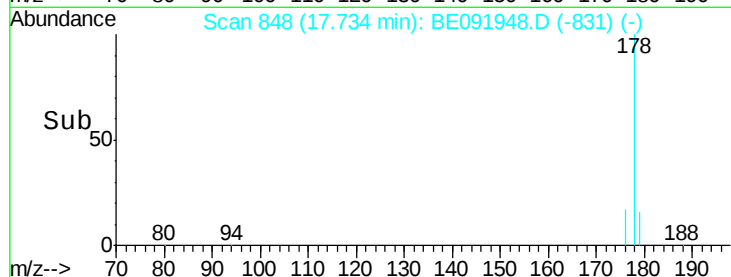
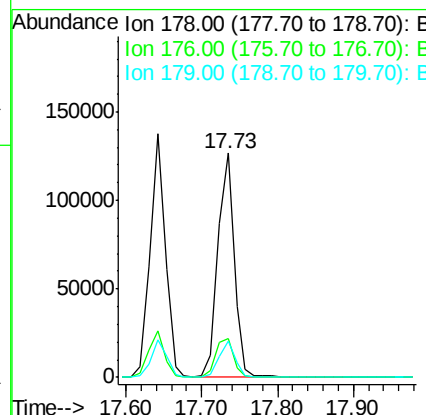
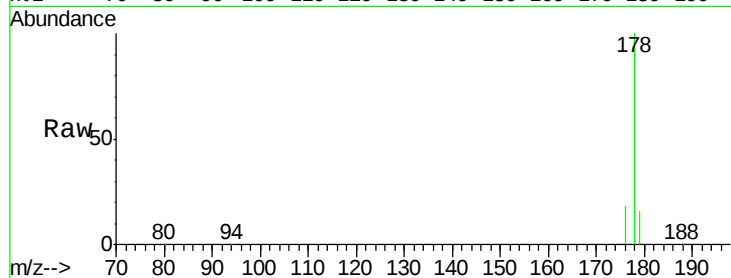




#29
 Anthracene
 Concen: 4.20 ng
 RT: 17.73 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: BE091948.D
 Acq: 24 Jun 2016 16:06

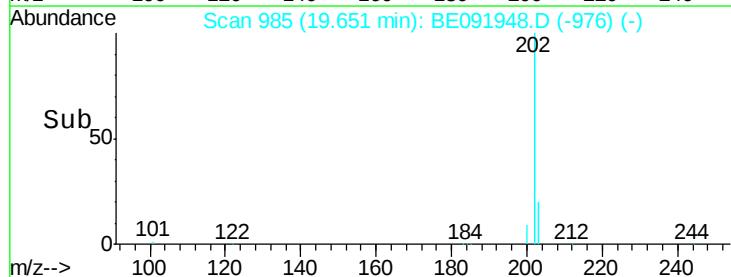
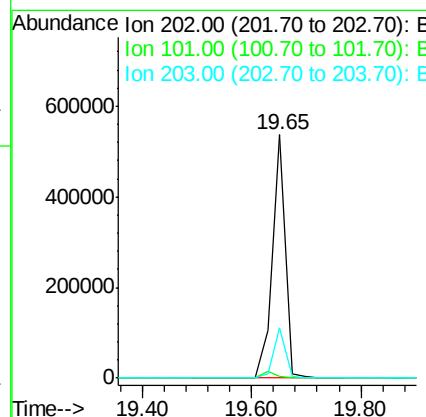
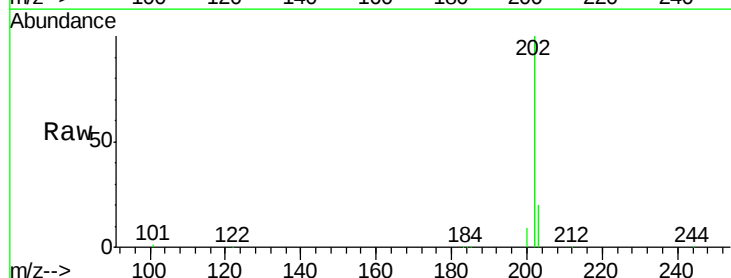
Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008MS

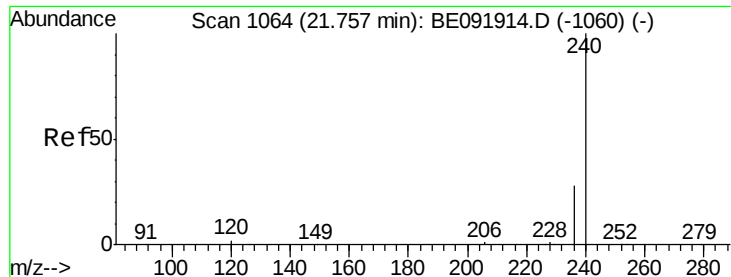
Tot Ion:178 Resp: 189482
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.3 12.1 18.1



#30
 Fluoranthene
 Concen: 4.11 ng
 RT: 19.65 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BE091948.D
 Acq: 24 Jun 2016 16:06

Tgt Ion:202 Resp: 896260
 Ion Ratio Lower Upper
 202 100
 101 0.0 9.4 14.0#
 203 18.9 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

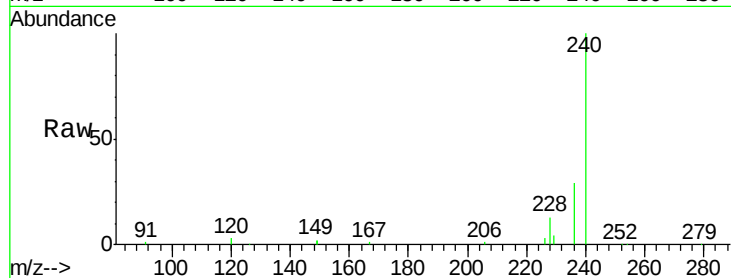
Tot Ion:240 Resp: 274152

Ion Ratio Lower Upper

240 100

120 2.7 1.2 1.8#

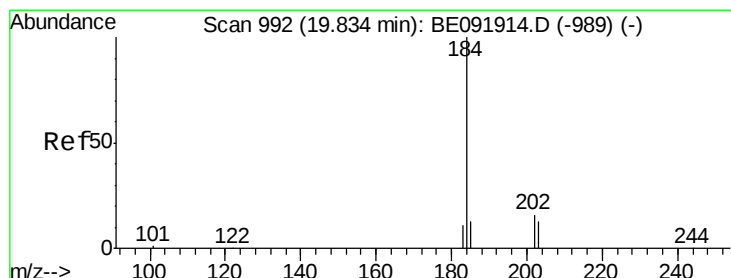
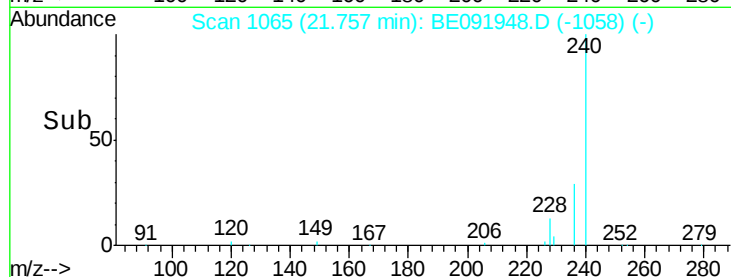
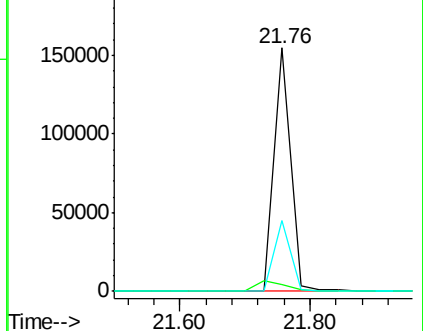
236 29.2 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 1.47 ng

RT: 19.83 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

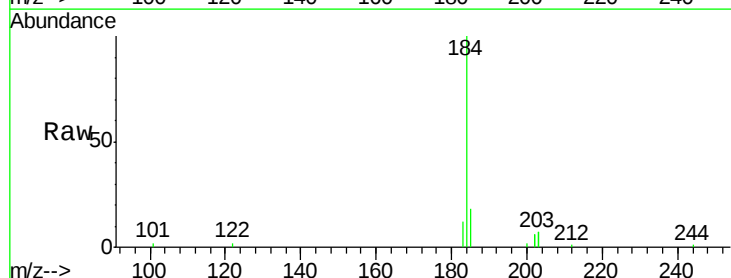
Tgt Ion:184 Resp: 17612

Ion Ratio Lower Upper

184 100

185 17.7 11.4 17.2#

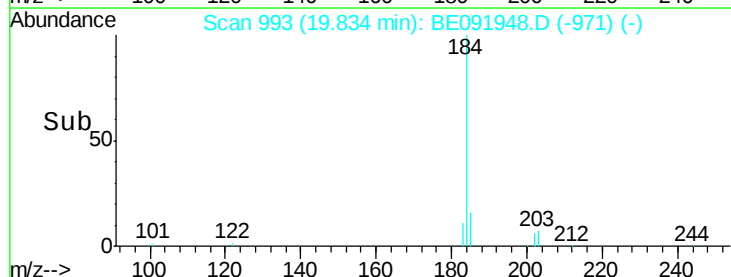
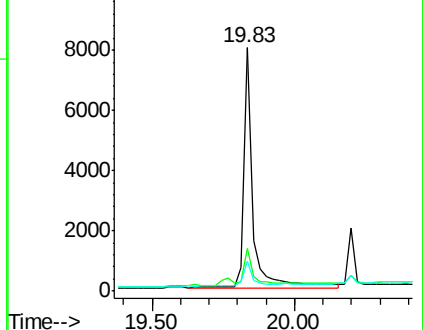
183 12.1 11.8 17.6

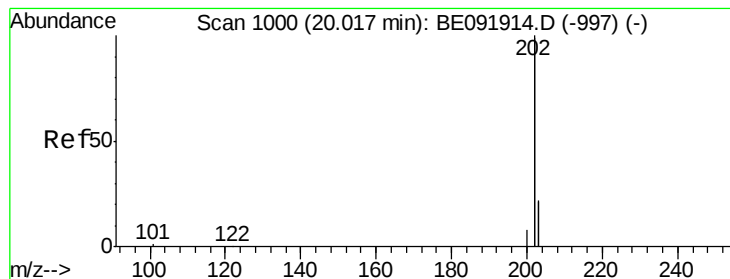


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pvrene

Concen: 4.76 ng

RT: 20.02 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

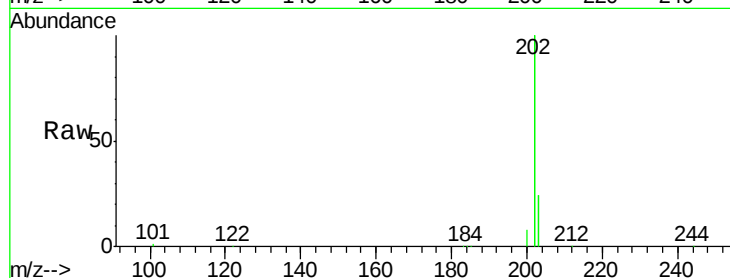
Tot Ion:202 Resp: 887737

Ion Ratio Lower Upper

202 100

200 5.1 16.9 25.3#

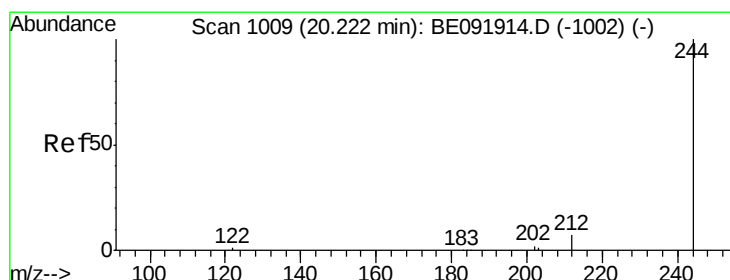
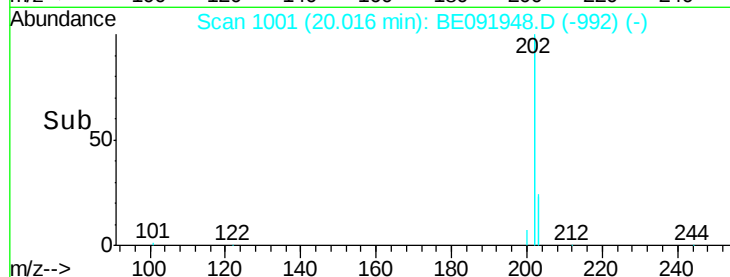
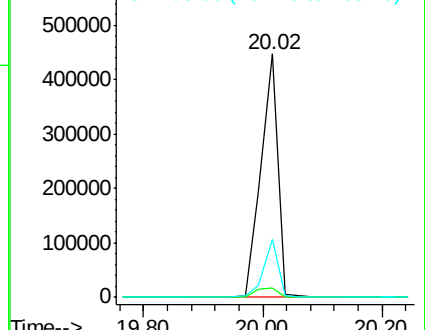
203 19.9 14.1 21.1



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: 5.07 ng

RT: 20.22 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

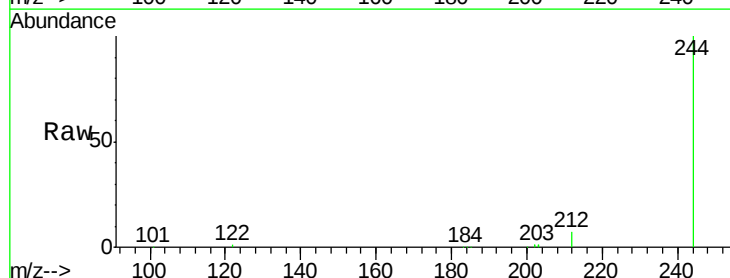
Tgt Ion:244 Resp: 170282

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

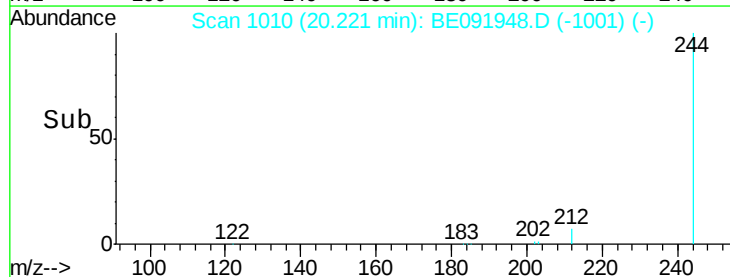
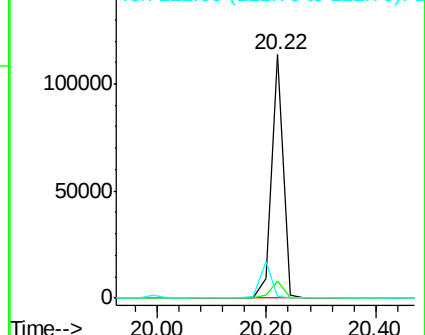
122 0.5 2.9 4.3#

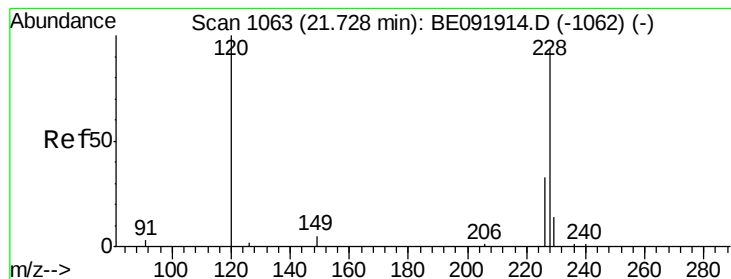


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 3.98 ng/mL

RT: 21.73 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleID :

NCHC-008MS

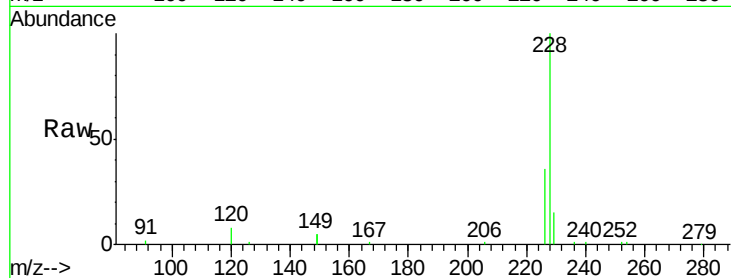
Tot Ion:228 Resp: 171436

Ion Ratio Lower Upper

228 100

226 35.5 21.0 31.4#

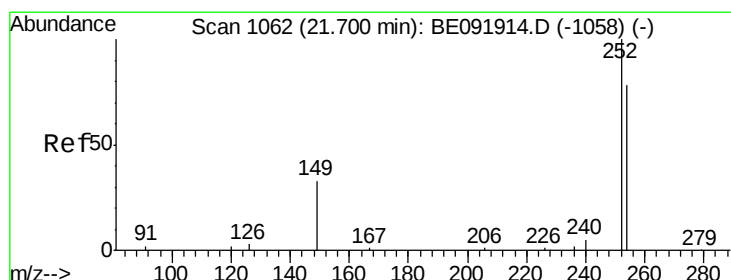
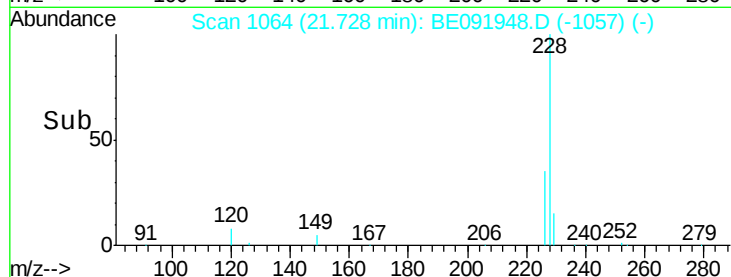
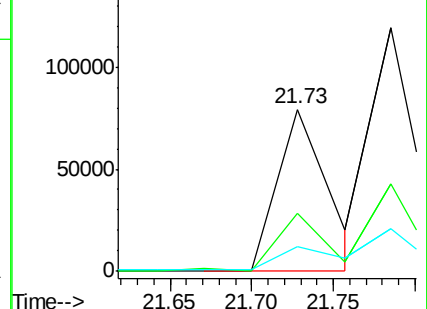
229 15.4 15.8 23.8#



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: 5.82 ng/mL

RT: 21.67 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

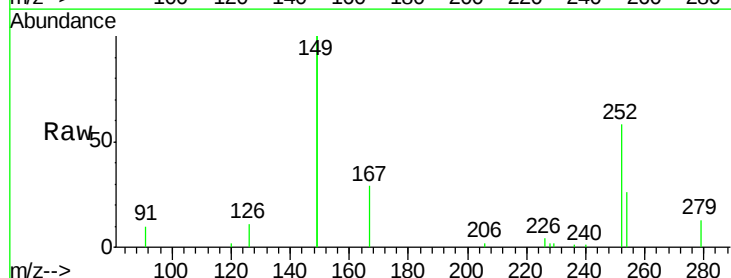
Tgt Ion:252 Resp: 40601

Ion Ratio Lower Upper

252 100

254 44.4 61.5 92.3#

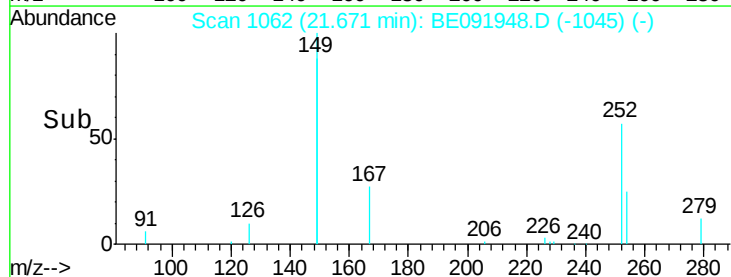
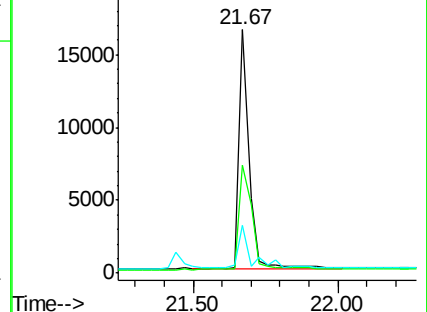
126 19.4 2.5 3.7#

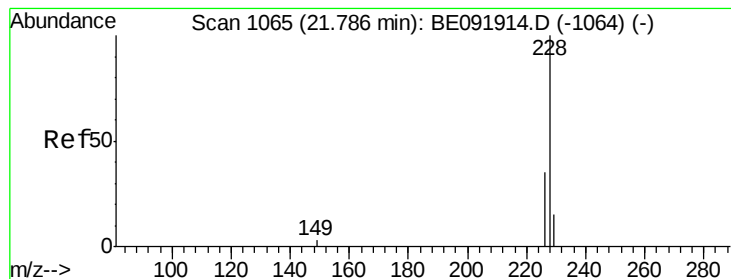


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 3.50 ng/mL

RT: 21.79 min Scan# 1066

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument:

BNA_E

ClientSampleID:

NCHC-008MS

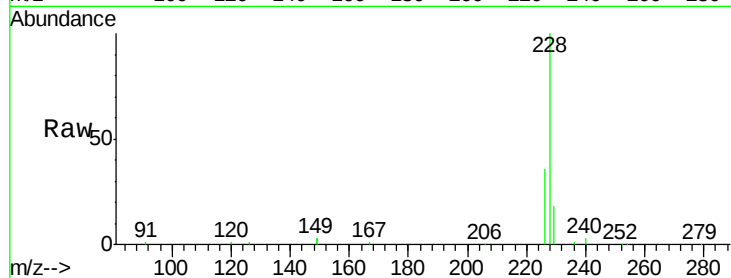
Tot Ion: 228 Resp: 220371

Ion Ratio Lower Upper

228 100

226 35.7 27.0 40.6

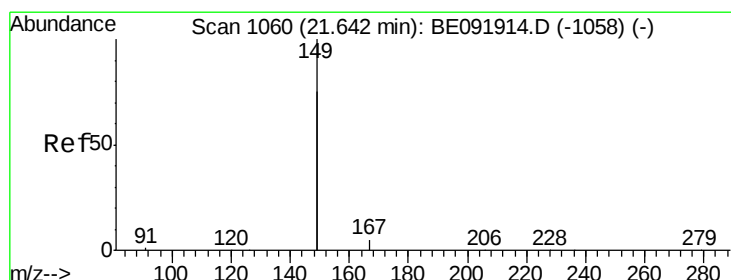
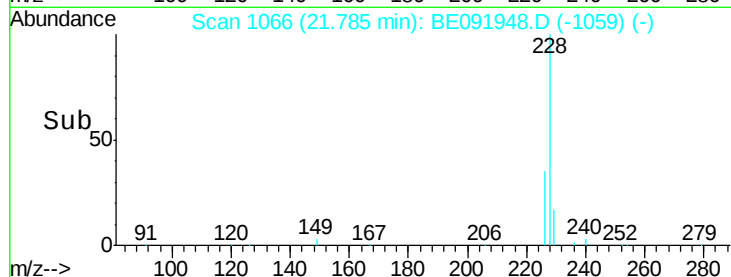
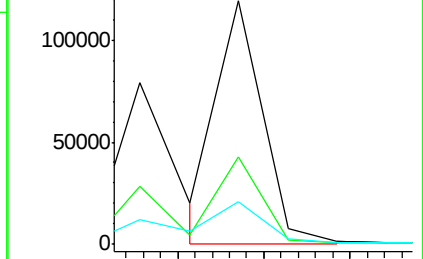
229 17.7 13.8 20.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#38

Bis(2-ethylhexyl)phthalate

Concen: 5.63 ng/mL

RT: 21.64 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

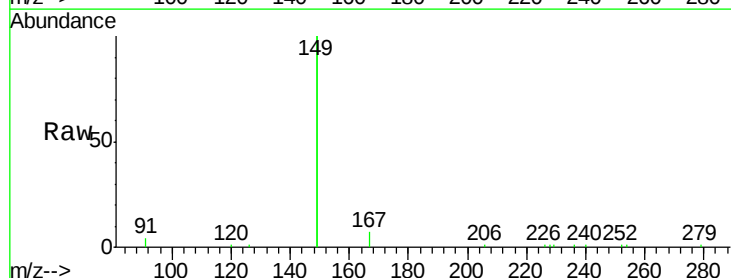
Tgt Ion: 149 Resp: 269436

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

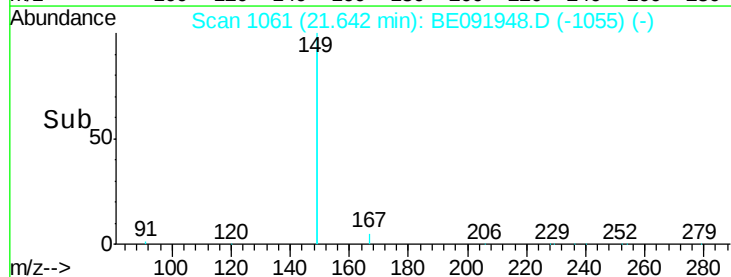
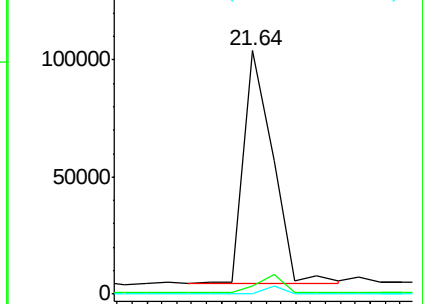
279 0.0 0.0 0.0

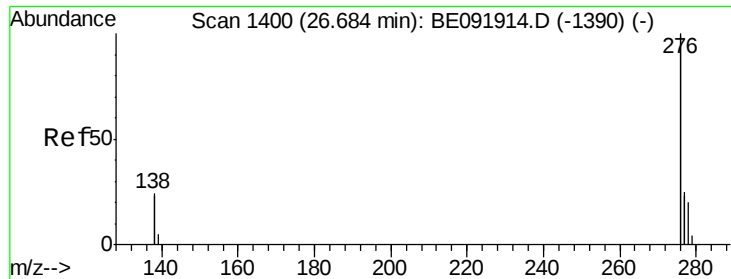


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.39 ng

RT: 26.68 min Scan# 1402

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

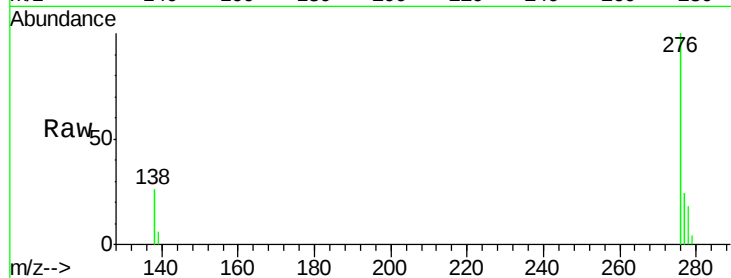
Tot Ion:276 Resp: 945599

Ion Ratio Lower Upper

276 100

138 26.4 19.7 29.5

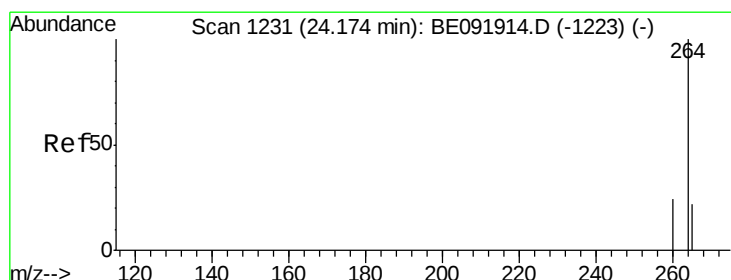
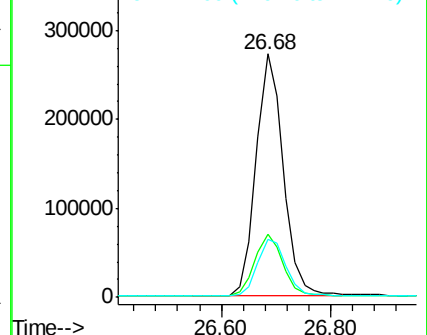
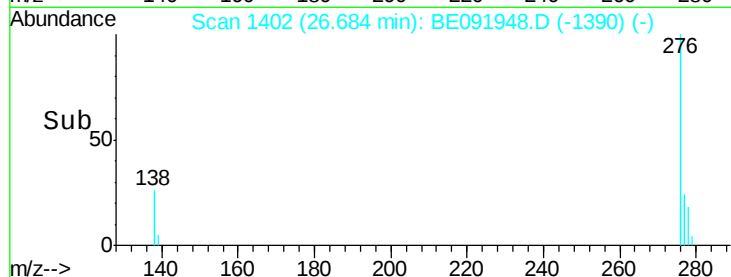
277 24.9 20.1 30.1



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: 24.18 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

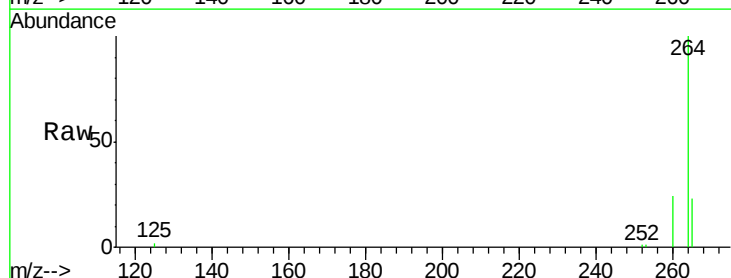
Tgt Ion:264 Resp: 211012

Ion Ratio Lower Upper

264 100

260 24.1 20.3 30.5

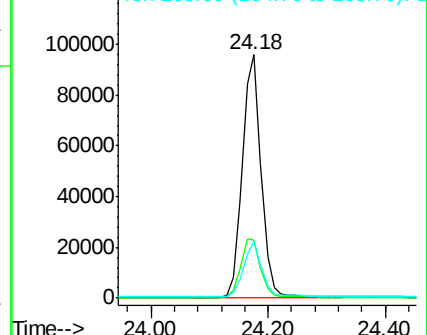
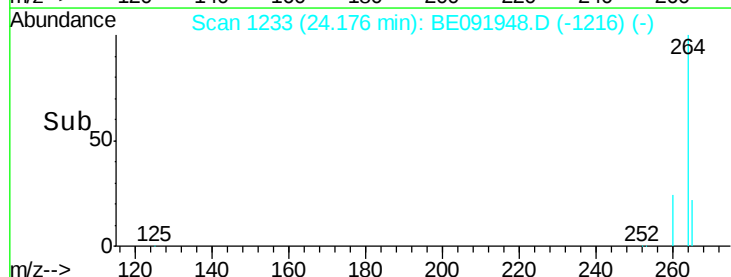
265 23.1 17.6 26.4

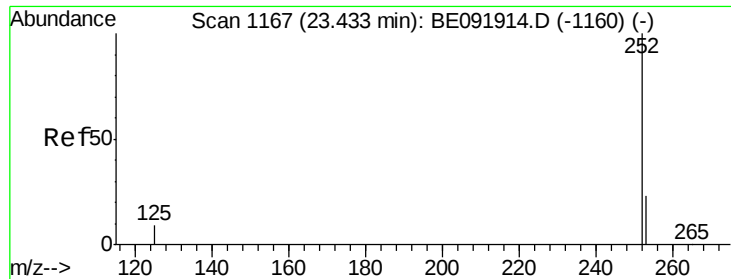


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 4.37 ng

RT: 23.42 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

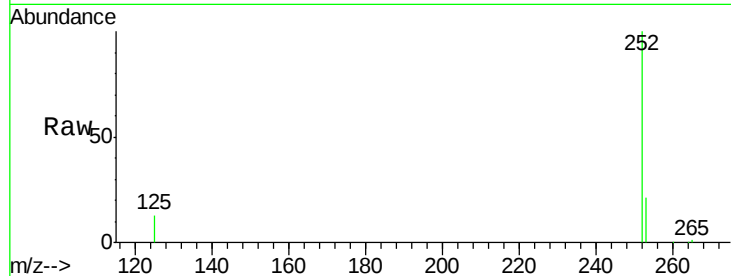
Tot Ion:252 Resp: 236952

Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

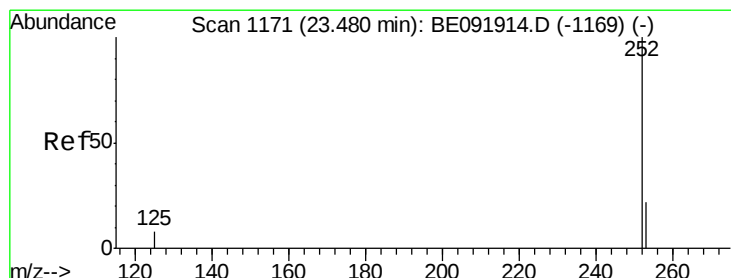
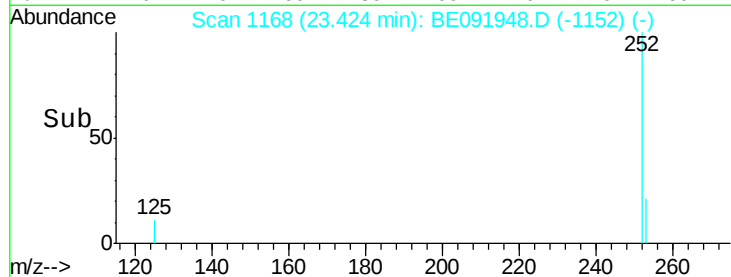
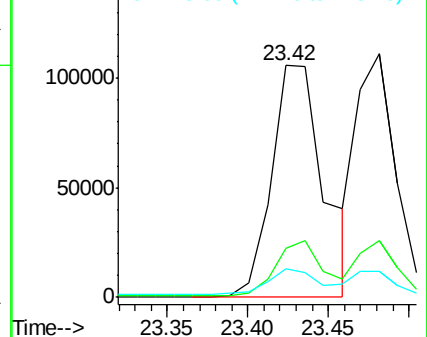
125 12.5 9.4 14.2



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: 3.80 ng

RT: 23.48 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

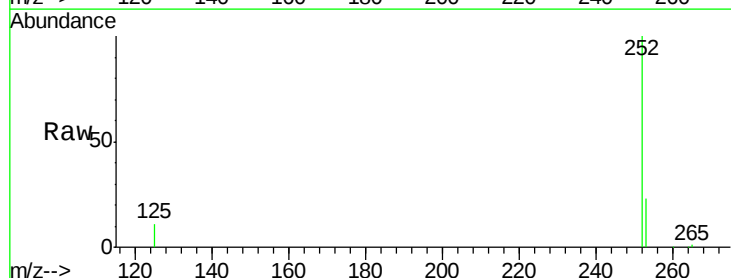
Tgt Ion:252 Resp: 188577

Ion Ratio Lower Upper

252 100

253 23.2 19.4 29.2

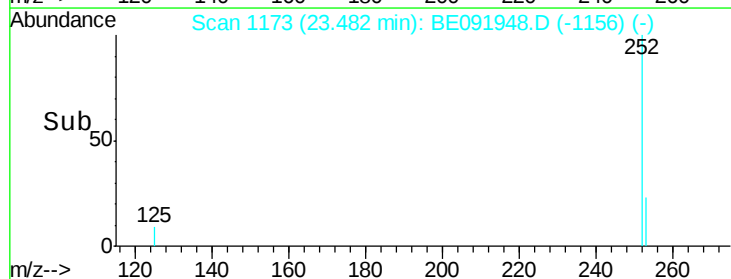
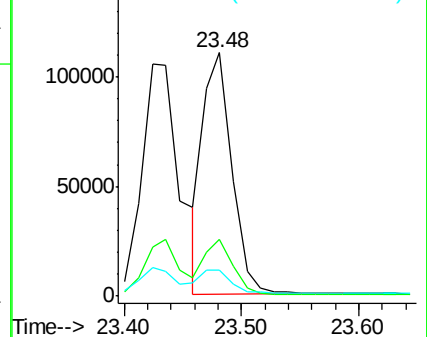
125 10.7 8.3 12.5

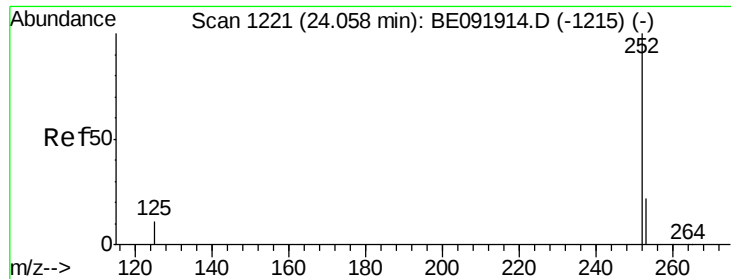


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 4.50 ng

RT: 24.06 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS

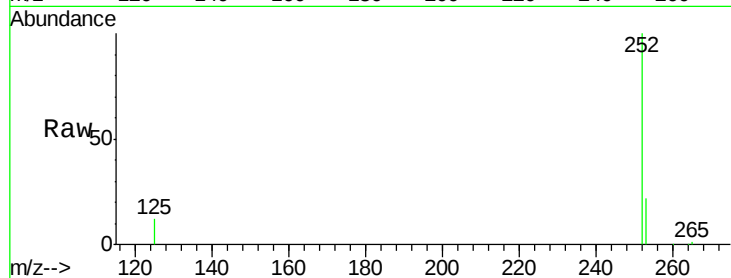
Tot Ion:252 Resp: 213023

Ion Ratio Lower Upper

252 100

253 22.1 18.9 28.3

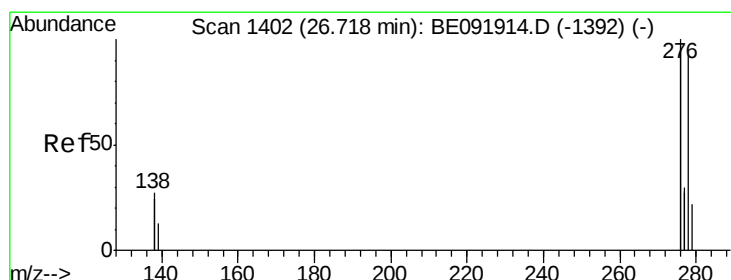
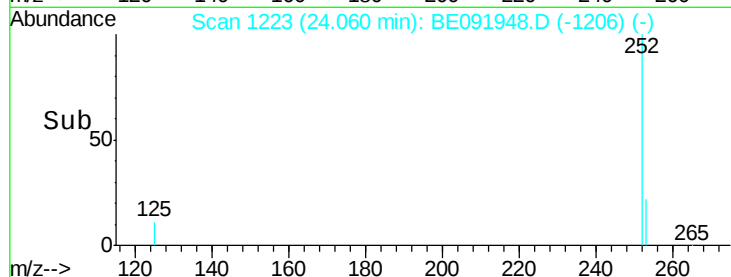
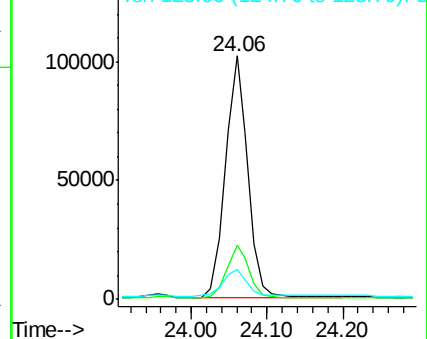
125 12.2 10.5 15.7



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: 4.23 ng

RT: 26.72 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BE091948.D

Acq: 24 Jun 2016 16:06

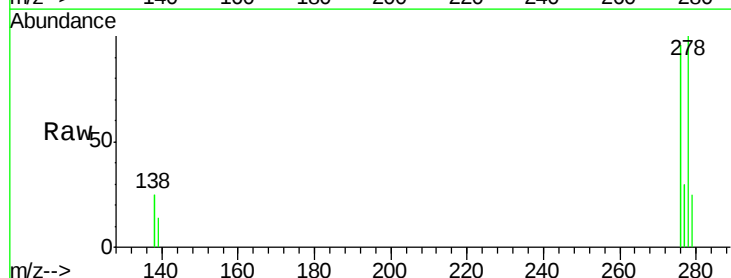
Tgt Ion:278 Resp: 195001

Ion Ratio Lower Upper

278 100

139 14.4 12.6 18.8

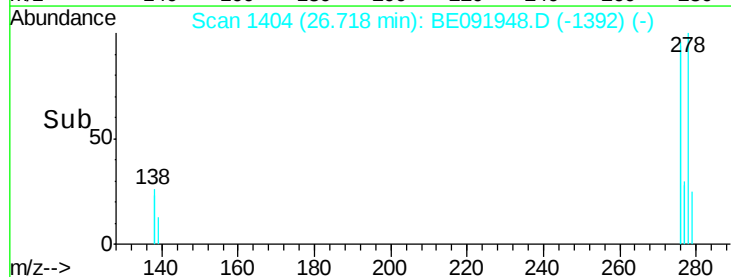
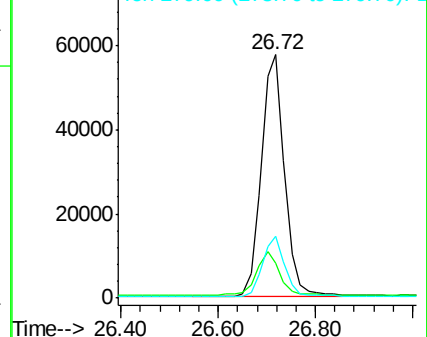
279 25.2 20.0 30.0

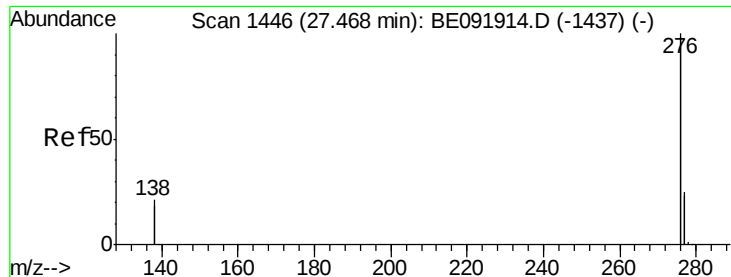


Abundance Ion 278.00 (277.70 to 278.70): E

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: 27.47 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BE091948.D

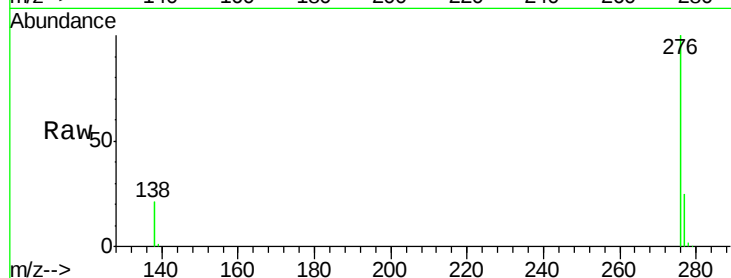
Acq: 24 Jun 2016 16:06

Instrument :

BNA_E

ClientSampleId :

NCHC-008MS



Tot Ion: 276 Resp: 798641

Ion Ratio Lower Upper

276 100

277 24.9 19.5 29.3

138 21.0 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

