

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
 Data File : BE091949.D
 Acq On : 24 Jun 2016 16:42
 Operator : UM/SJ
 Sample : H3676-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008MSD

Quant Time: Jun 24 19:15:23 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	8.20	152	29853	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	129404	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	88460	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	179289	5.00	ng	0.00
31) Chrysene-d12	21.76	240	276167	5.00	ng	0.00
40) Perylene-d12	24.18	264	207048	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	67135	11.50	ng	0.00
5) Phenol-d6	7.37	99	93155	9.69	ng	0.02
9) Nitrobenzene-d5	9.37	82	51594	5.78	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	25977	11.25	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	107988	4.81	ng	0.00
34) Terphenyl-d14	20.22	244	172190	5.09	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.47	88	13547	3.22	ng	95
3) n-Nitrosodimethylamine	3.80	42	24313	5.08	ng	91
6) bis(2-Chloroethyl)ether	7.63	93	41746	4.89	ng	96
7) n-Nitroso-di-n-propylamine	9.00	70	37826	4.62	ng	# 98
10) Nitrobenzene	9.40	77	52125	5.13	ng	# 99
11) bis(2-Chloroethoxy)methane	10.42	93	53503	4.72	ng	# 19
12) Naphthalene	11.04	128	131128	4.64	ng	# 93
13) Hexachlorobutadiene	11.34	225	22632	4.95	ng	98
14) 2-Methylnaphthalene	12.68	142	94123	4.91	ng	97
18) Acenaphthylene	14.59	152	452563	5.04	ng	# 68
19) 2,6-Dinitrotoluene	14.44	165	77075	3.97	ng	# 50
20) Acenaphthene	14.92	154	112766	4.56	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	81095	4.59	ng	# 85
22) Fluorene	15.90	166	119214	4.84	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	53597	4.42	ng	96
25) 4-Bromophenyl-phenylether	16.78	248	34467	4.97	ng	99
26) Hexachlorobenzene	16.92	284	34169	4.80	ng	96
27) Pentachlorophenol	17.25	266	37694	8.54	ng	# 82
28) Phenanthrene	17.64	178	209868	4.68	ng	99
29) Anthracene	17.73	178	212176	5.35	ng	100
30) Fluoranthene	19.65	202	1010030	5.26	ng	# 86
32) Benzidine	19.83	184	25848	1.95	ng	# 92
33) Pyrene	20.02	202	1013434	5.39	ng	# 73
35) Benzo(a)anthracene	21.73	228	224315m	5.17	ng	
36) 3,3'-Dichlorobenzidine	21.67	252	52403	7.45	ng	# 65
37) Chrysene	21.79	228	293192m	4.63	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	342380	6.49	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	1151311	5.31	ng	98
41) Benzo(b)fluoranthene	23.42	252	259077	4.87	ng	99
42) Benzo(k)fluoranthene	23.48	252	263545	5.42	ng	99
43) Benzo(a)pyrene	24.06	252	256975	5.53	ng	97
44) Dibenzo(a,h)anthracene	26.72	278	239868	5.31	ng	98
45) Benzo(a,h,i)perylene	27.47	276	978042	5.24	ng	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

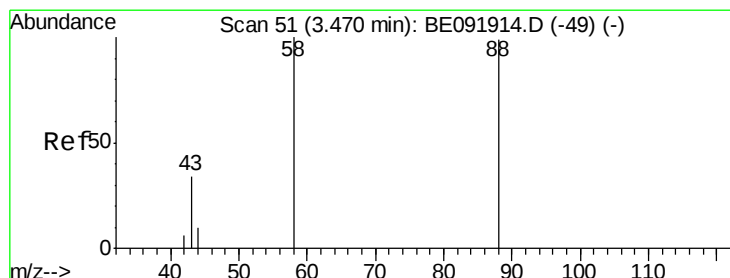
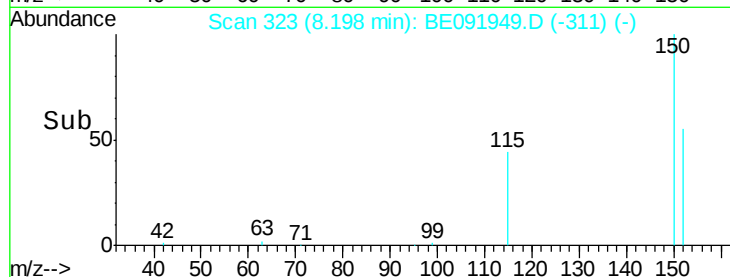
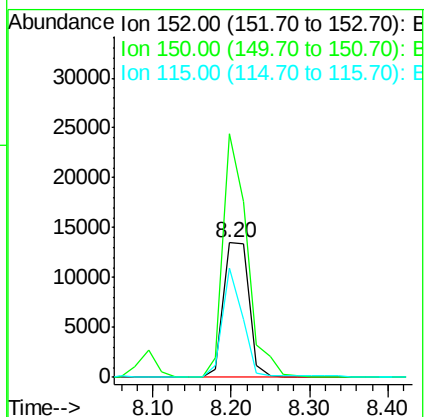
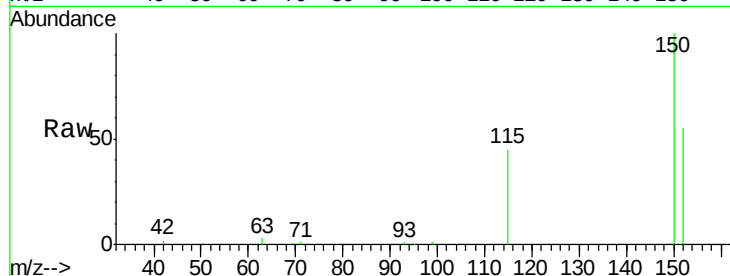
Tot Ion:152 Resp: 29853

Ion Ratio Lower Upper

152 100

150 180.8 123.9 185.9

115 80.8 48.3 72.5#



#2

1,4-Dioxane

Concen: 3.22 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

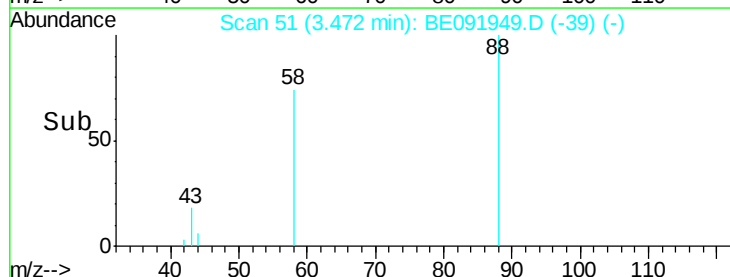
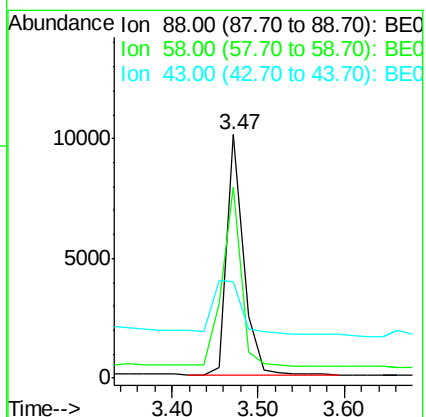
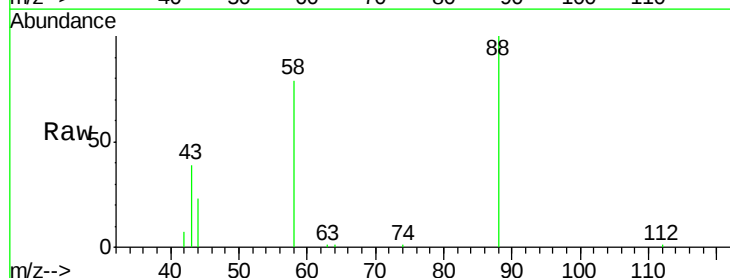
Tgt Ion: 88 Resp: 13547

Ion Ratio Lower Upper

88 100

58 84.4 63.0 94.4

43 37.2 29.1 43.7





#3

n-Nitrosodimethylamine

Concen: 5.08 ng

RT: 3.80 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

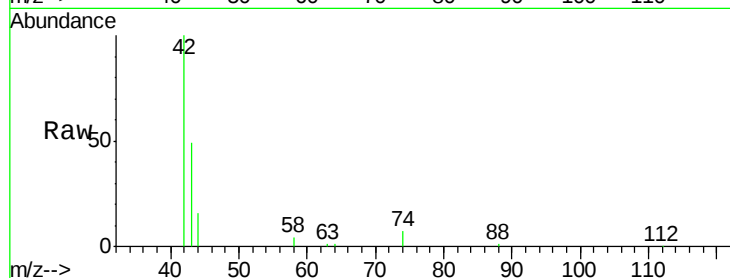
Tot Ion: 42 Resp: 24313

Ion Ratio Lower Upper

42 100

74 106.9 93.4 140.0

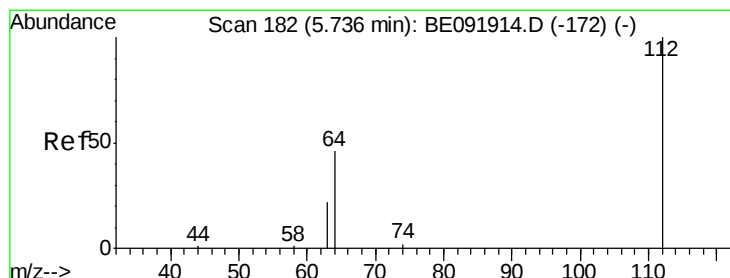
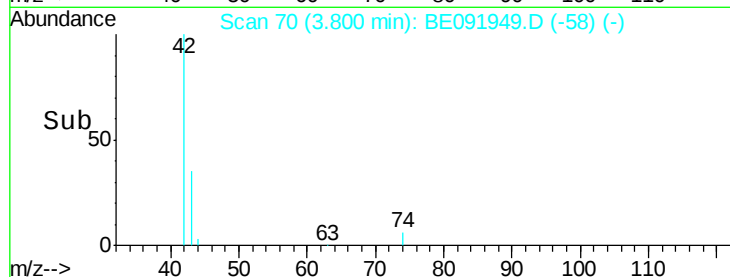
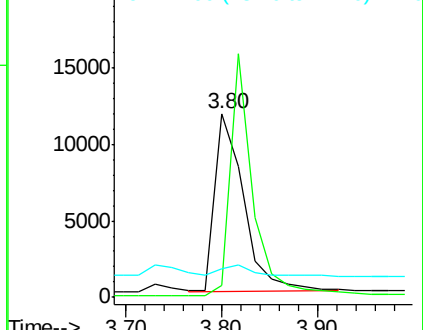
44 6.6 5.0 7.6



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: 11.50 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

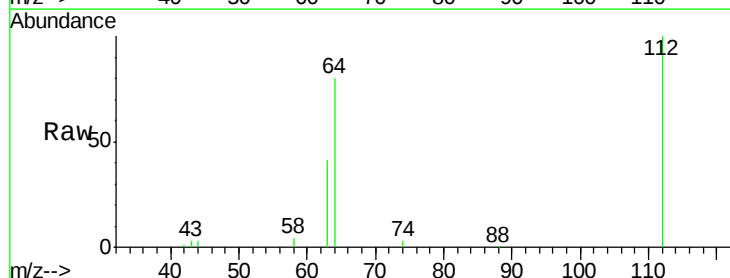
Tgt Ion: 112 Resp: 67135

Ion Ratio Lower Upper

112 100

64 69.7 53.7 80.5

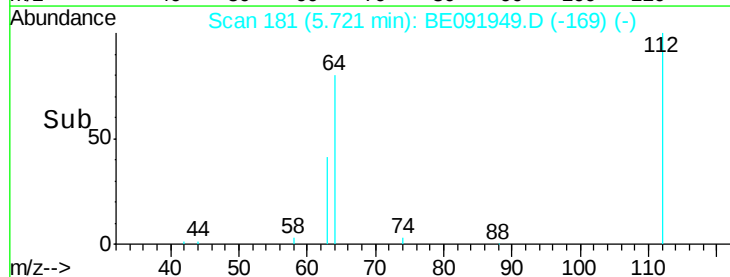
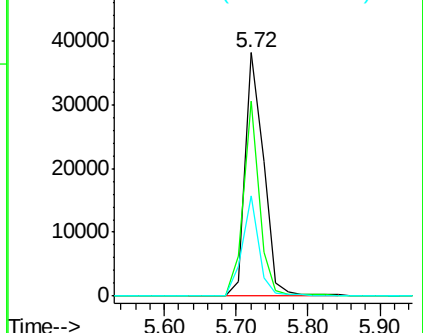
63 36.9 29.5 44.3

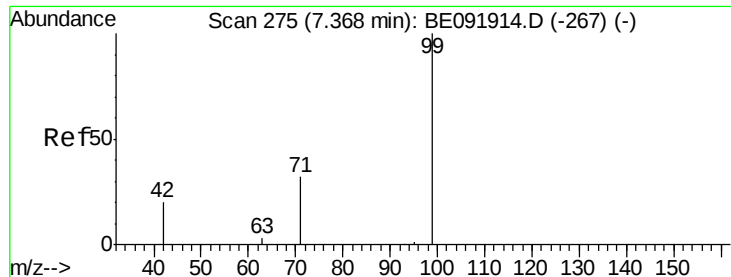


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 9.69 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

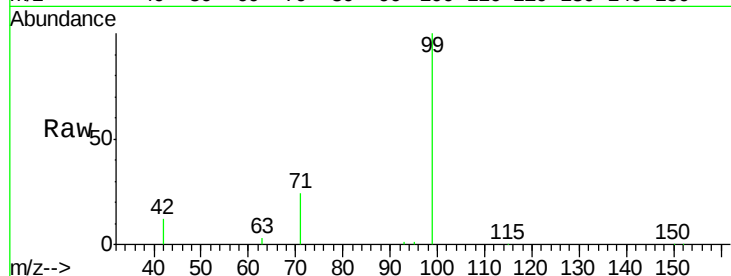
Tot Ion: 99 Resp: 93155

Ion Ratio Lower Upper

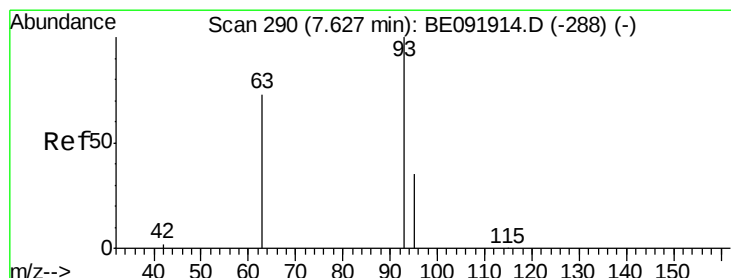
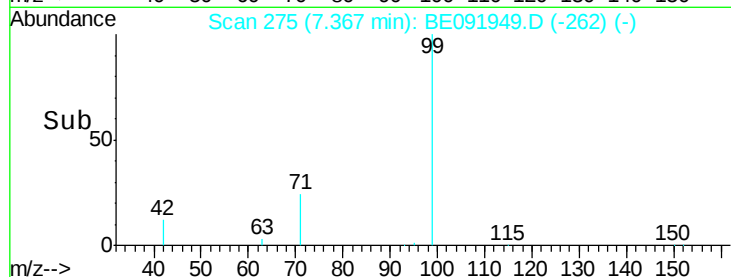
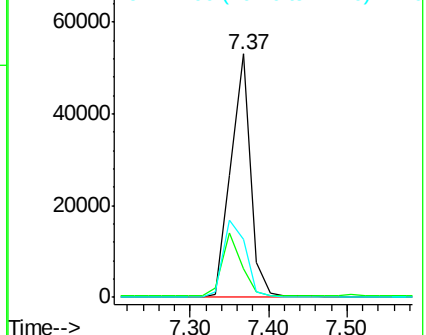
99 100

42 25.7 19.6 29.4

71 35.8 28.1 42.1



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



#6

bis(2-Chloroethyl)ether

Concen: 4.89 ng

RT: 7.63 min Scan# 290

Delta R.T. 0.02 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

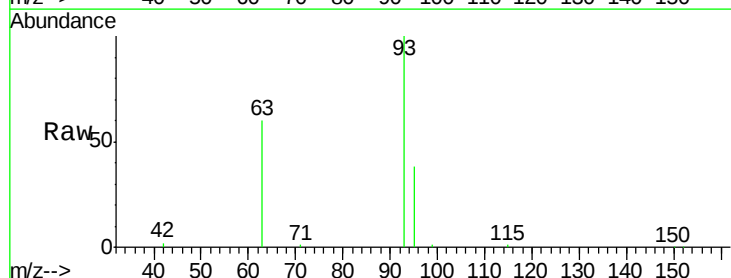
Tgt Ion: 93 Resp: 41746

Ion Ratio Lower Upper

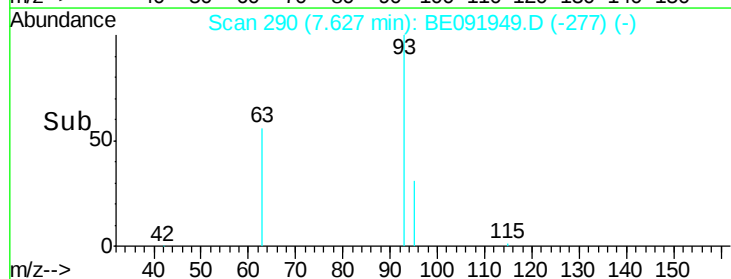
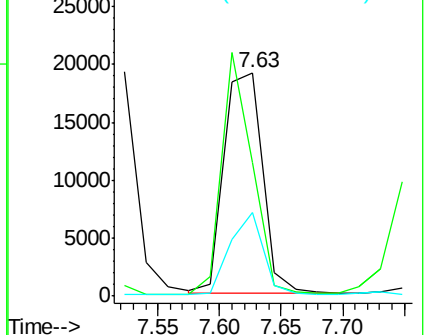
93 100

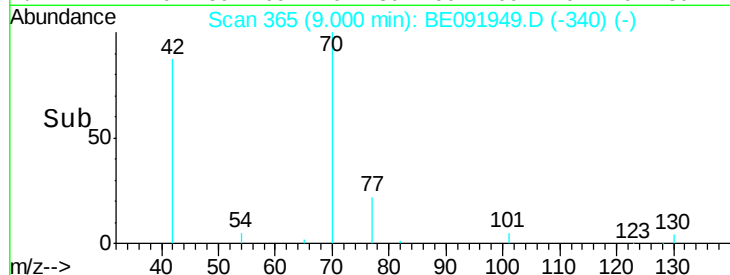
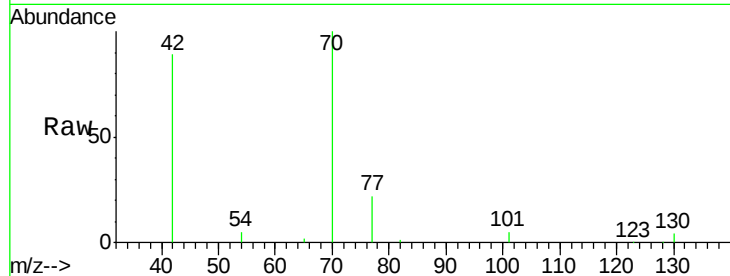
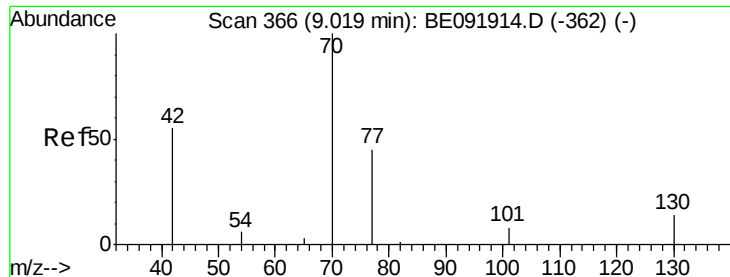
63 87.2 66.2 99.4

95 32.4 25.5 38.3



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





#7

n-Nitroso-di-n-propylamine

Concen: 4.62 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

Tot Ion: 70 Resp: 37826

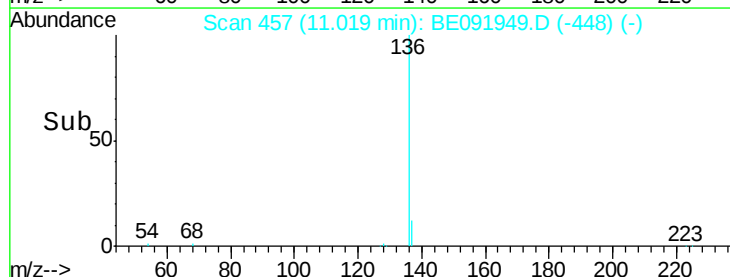
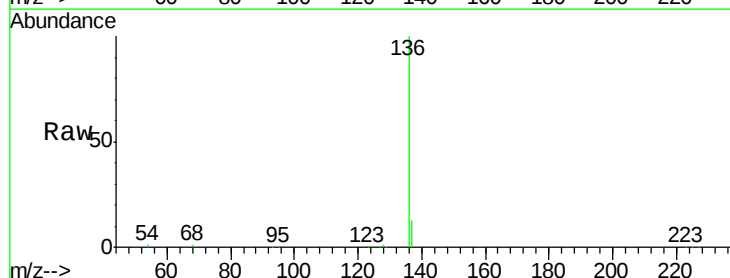
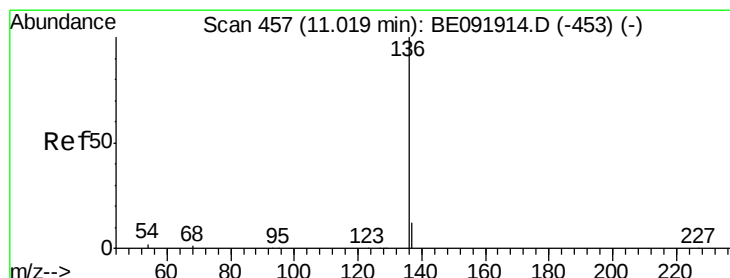
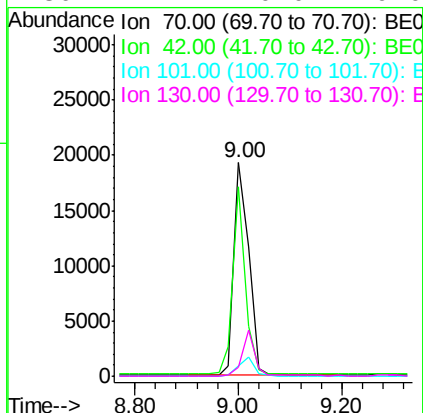
Ion Ratio Lower Upper

70 100

42 74.6 58.4 87.6

101 8.4 6.4 9.6

130 17.1 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: BE091949.D

Acq: 24 Jun 2016 16:42

Tgt Ion: 136 Resp: 129404

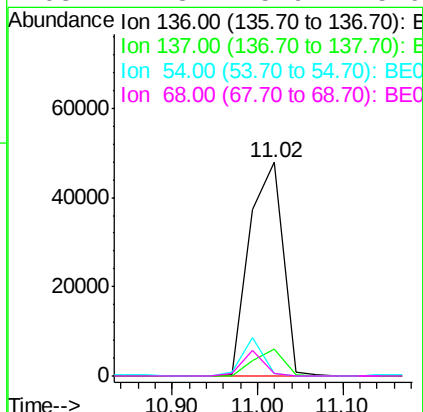
Ion Ratio Lower Upper

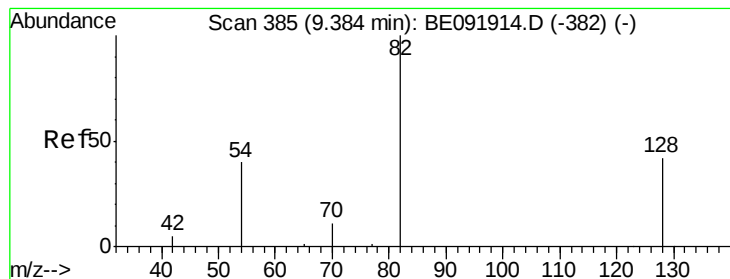
136 100

137 12.5 8.3 12.5#

54 1.4 8.2 12.4#

68 1.3 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 5.78 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

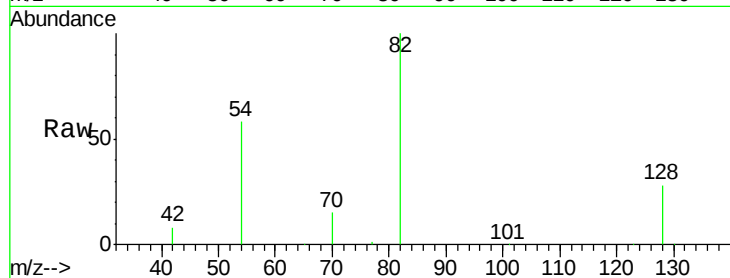
Tot Ion: 82 Resp: 51594

Ion Ratio Lower Upper

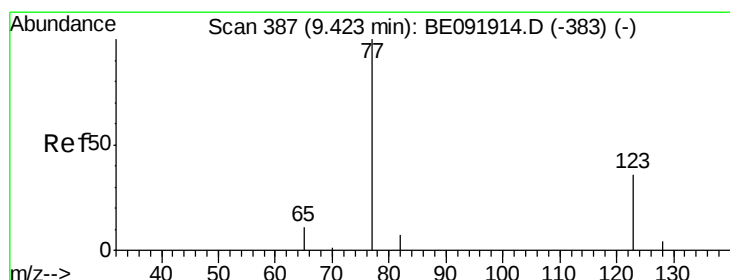
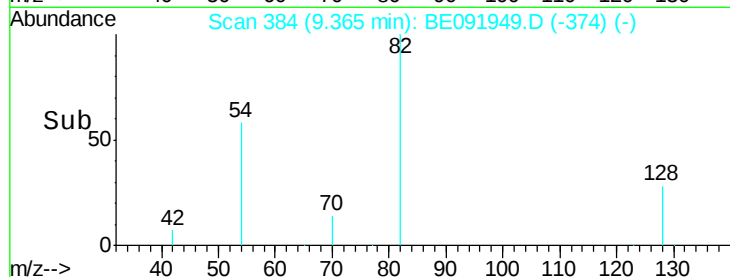
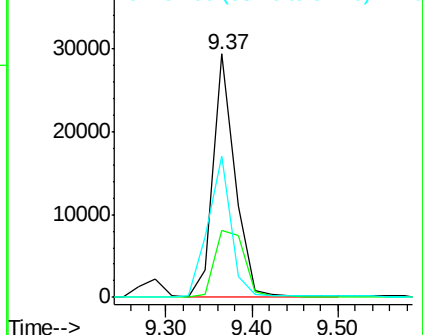
82 100

128 27.7 39.5 59.3#

54 58.2 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: 5.13 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

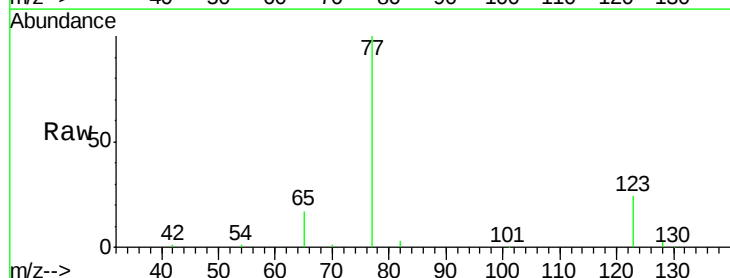
Tgt Ion: 77 Resp: 52125

Ion Ratio Lower Upper

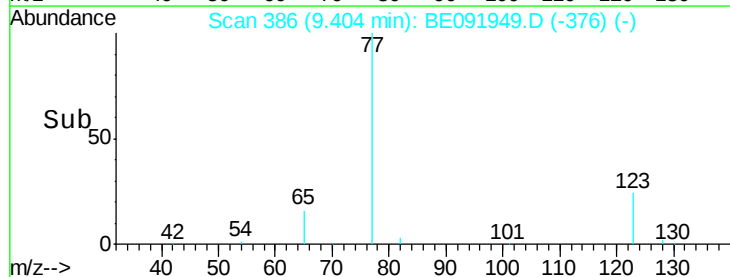
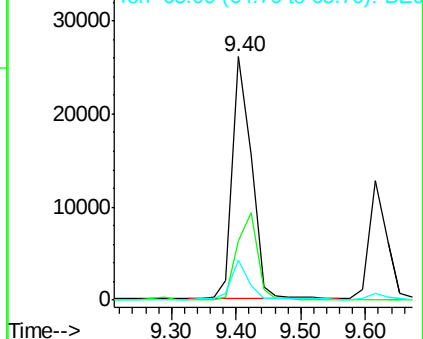
77 100

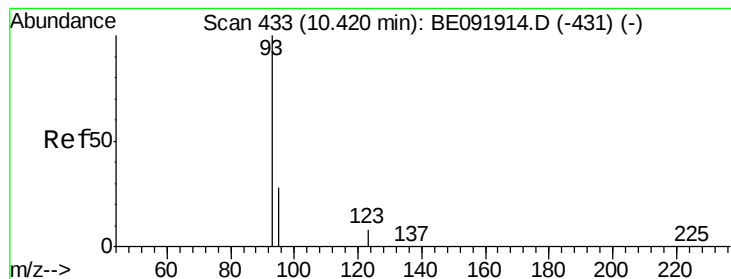
123 38.2 0.0 0.0#

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: 4.72 ng

RT: 10.42 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

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ClientSampleId :

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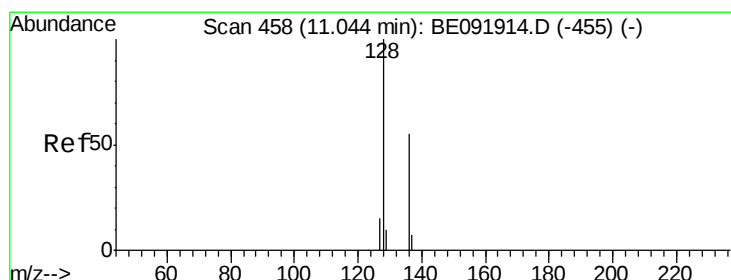
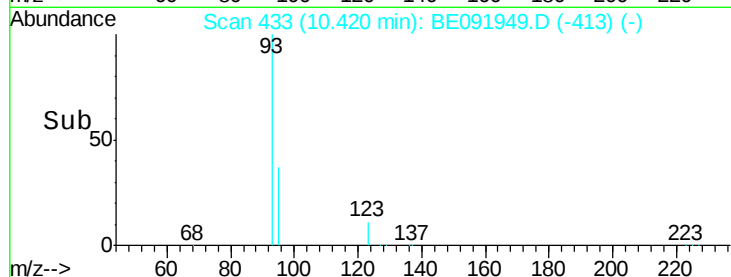
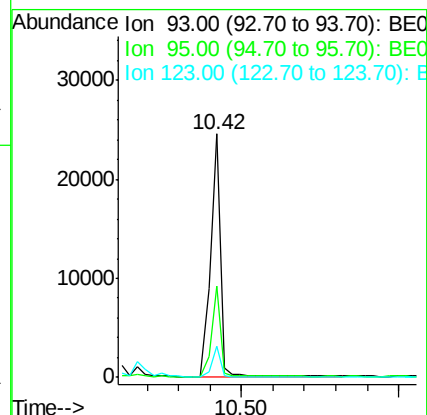
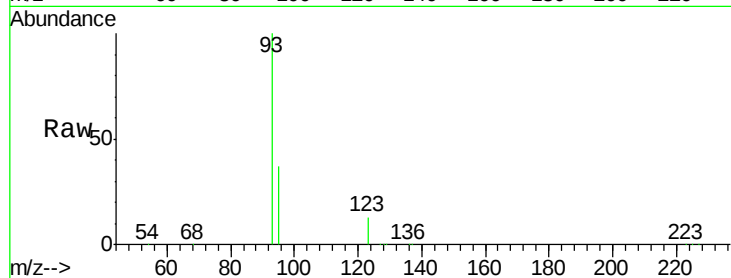
Tot Ion: 93 Resp: 53503

Ion Ratio Lower Upper

93 100

95 33.4 57.6 86.4#

123 10.6 100.2 150.4#



#12

Naphthalene

Concen: 4.64 ng

RT: 11.04 min Scan# 458

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

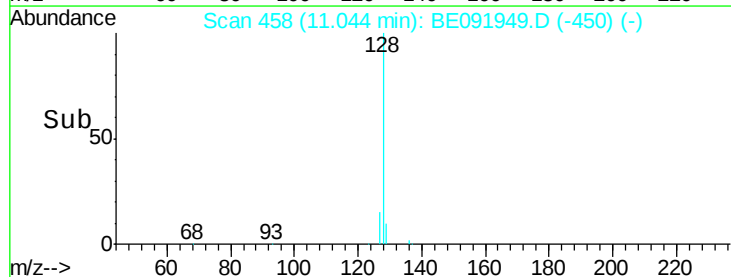
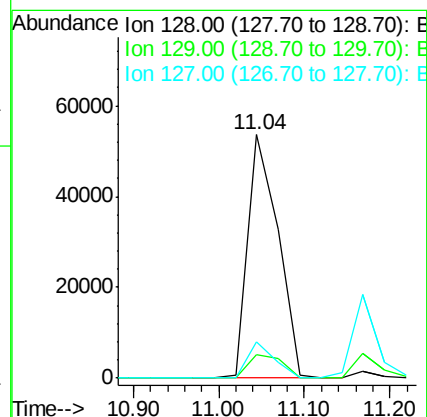
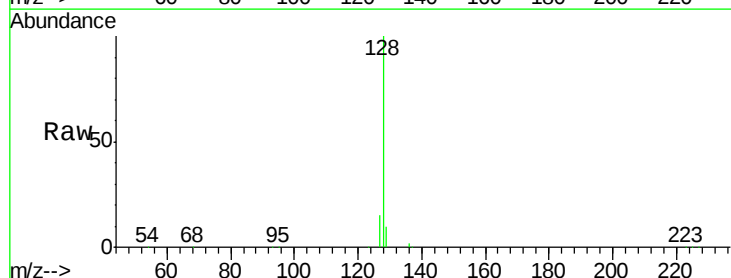
Tgt Ion: 128 Resp: 131128

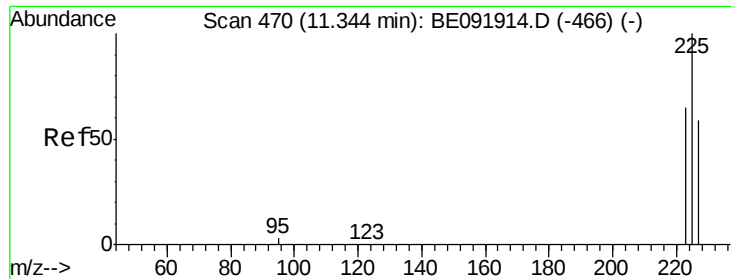
Ion Ratio Lower Upper

128 100

129 9.7 10.4 15.6#

127 15.0 10.2 15.2

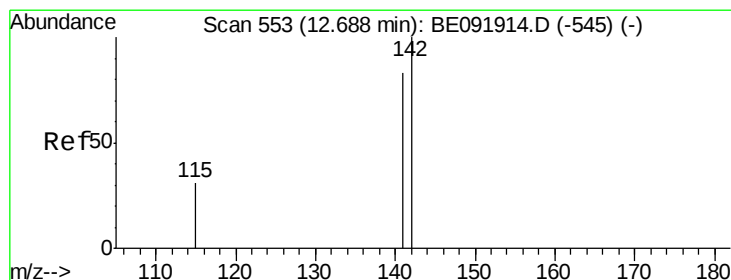
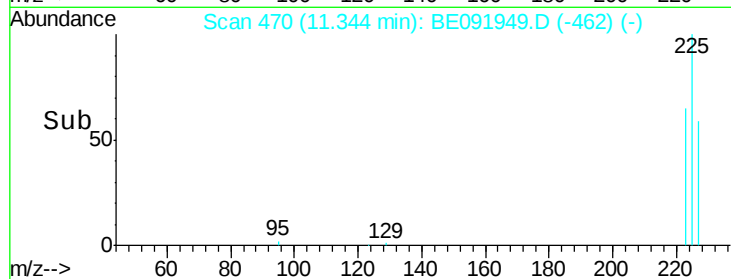
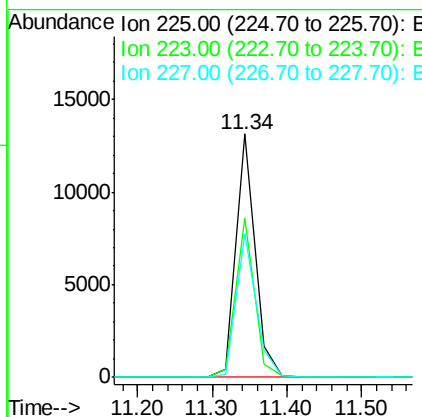
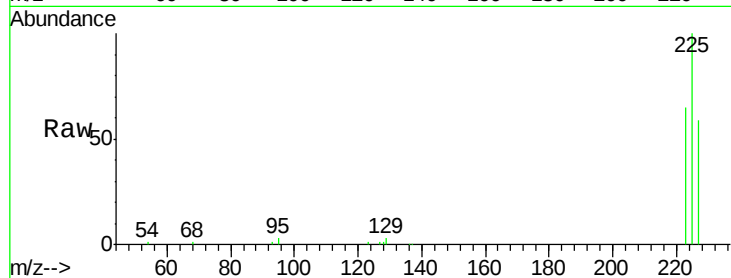




#13
Hexachlorobutadiene
Concen: 4.95 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

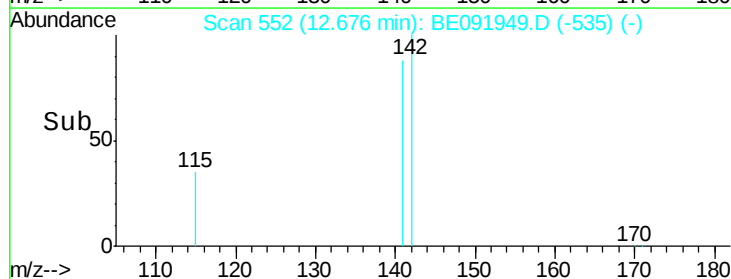
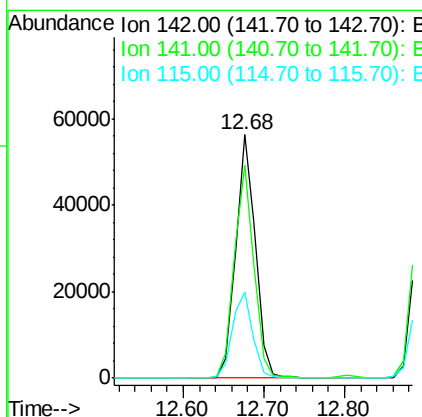
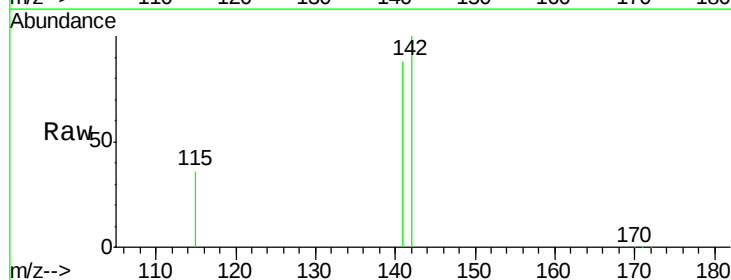
Instrument :
BNA_E
ClientSampleId :
NCHC-008MSD

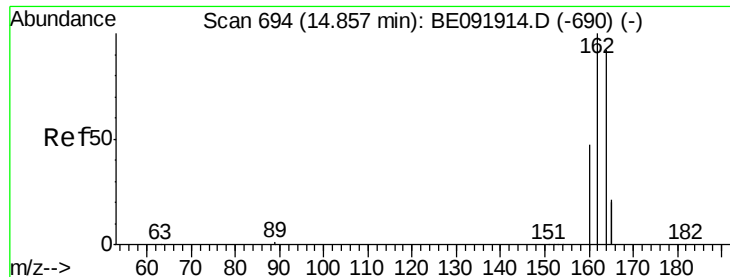
Tot Ion:225 Resp: 22632
Ion Ratio Lower Upper
225 100
223 63.6 49.8 74.8
227 61.6 50.6 75.8



#14
2-Methylnaphthalene
Concen: 4.91 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.00 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

Tgt Ion:142 Resp: 94123
Ion Ratio Lower Upper
142 100
141 87.6 71.9 107.9
115 35.6 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: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

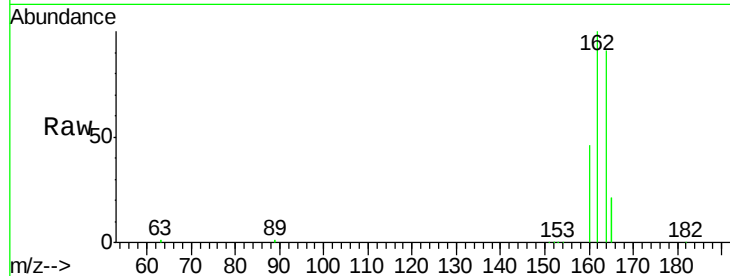
Tot Ion:164 Resp: 88460

Ion Ratio Lower Upper

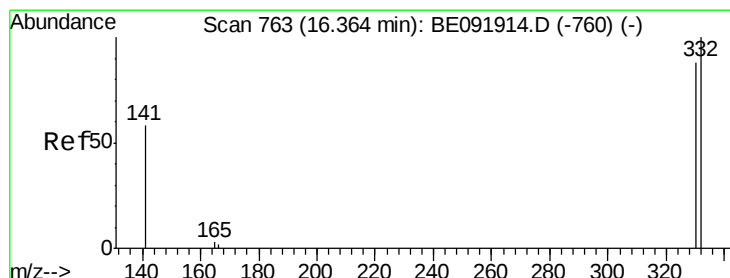
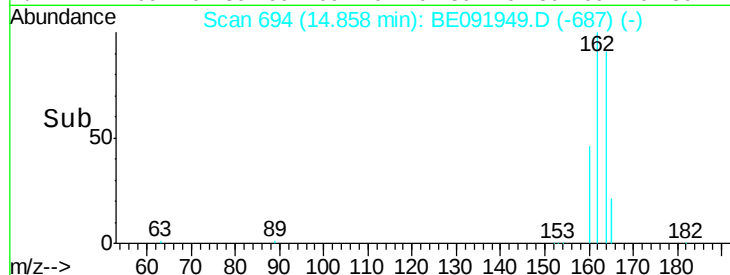
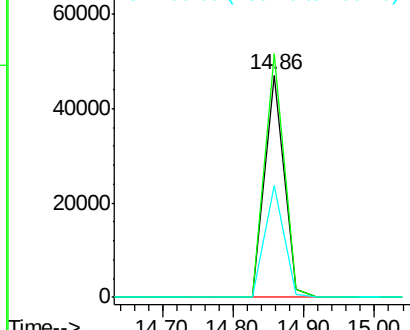
164 100

162 109.6 71.8 107.8#

160 50.3 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: 11.25 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

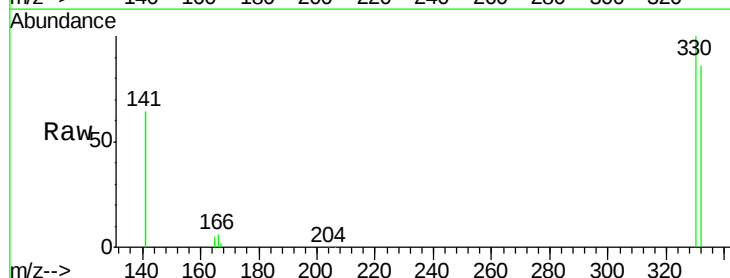
Tgt Ion:330 Resp: 25977

Ion Ratio Lower Upper

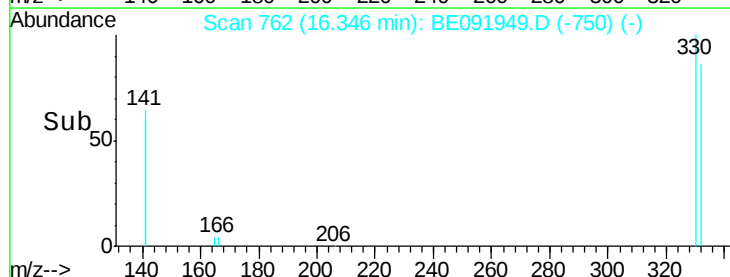
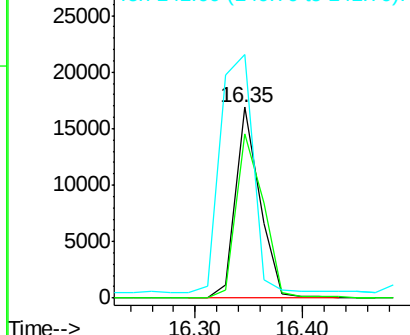
330 100

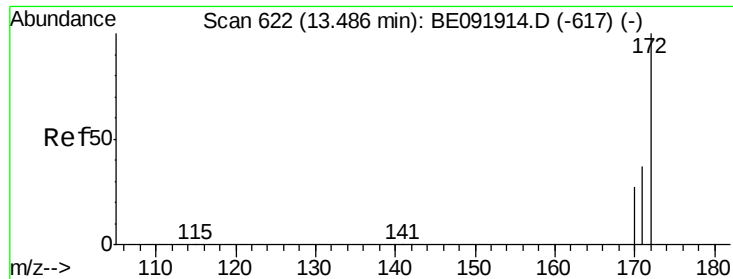
332 96.7 77.0 115.6

141 171.1 138.4 207.6



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

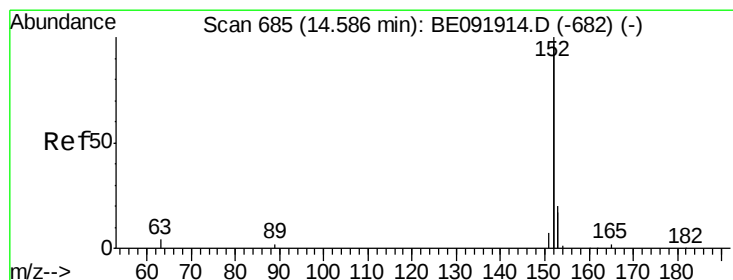
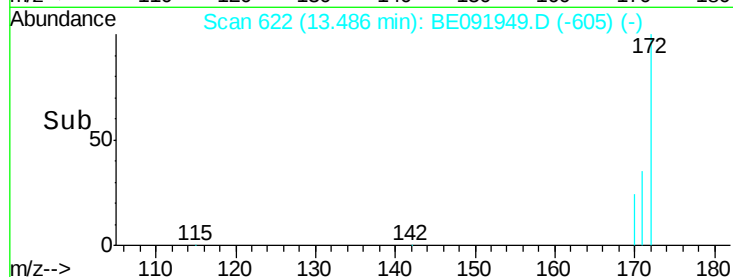
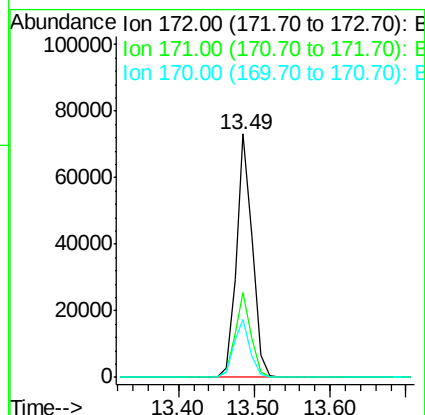
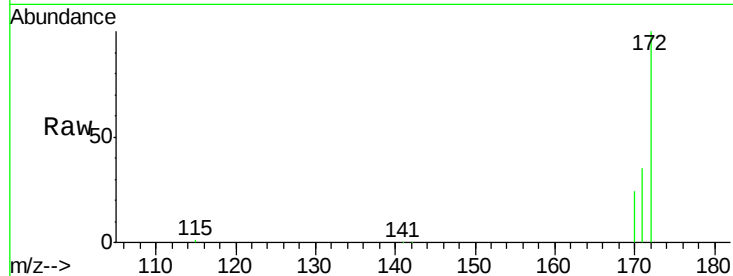




#17
2-Fluorobiphenyl
Concen: 4.81 ng
RT: 13.49 min Scan# 622
Delta R.T. 0.00 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

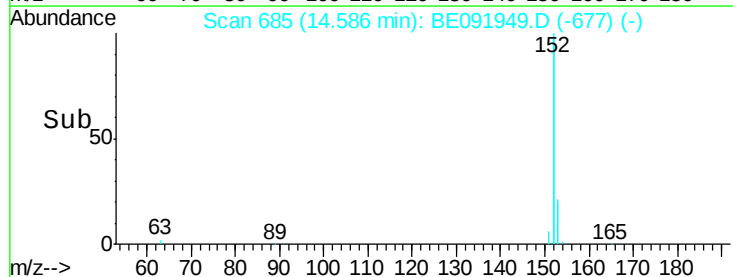
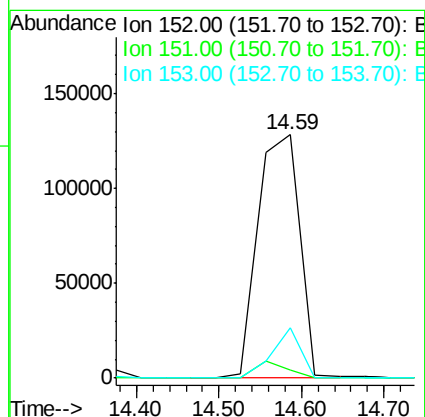
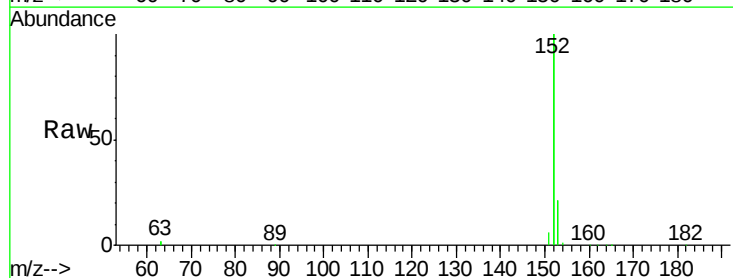
Instrument :
BNA_E
ClientSampleId :
NCHC-008MSD

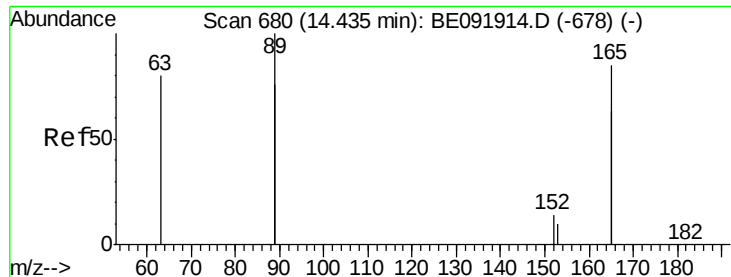
Tot Ion:172 Resp: 107988
Ion Ratio Lower Upper
172 100
171 34.9 24.3 36.5
170 23.7 14.9 22.3#



#18
Acenaphthylene
Concen: 5.04 ng
RT: 14.59 min Scan# 685
Delta R.T. 0.03 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

Tgt Ion:152 Resp: 452563
Ion Ratio Lower Upper
152 100
151 0.0 19.4 29.2#
153 14.1 14.4 21.6#

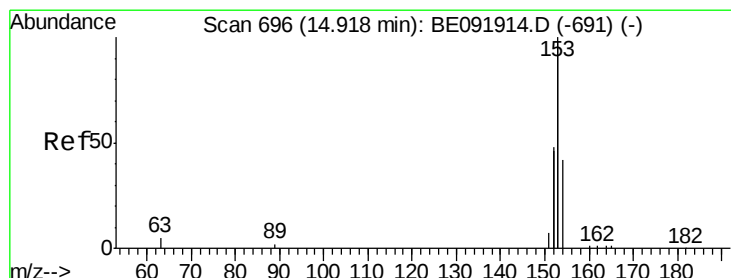
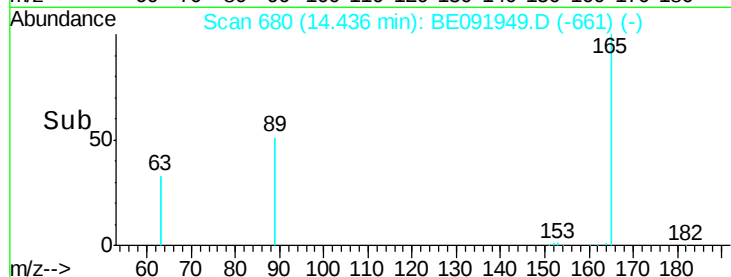
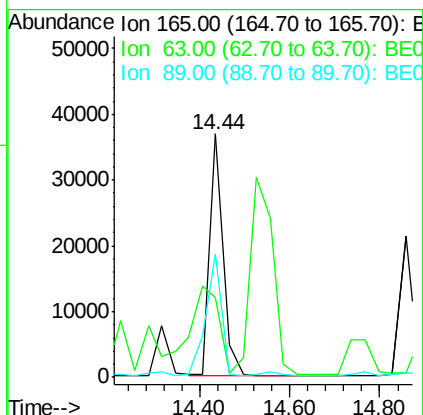
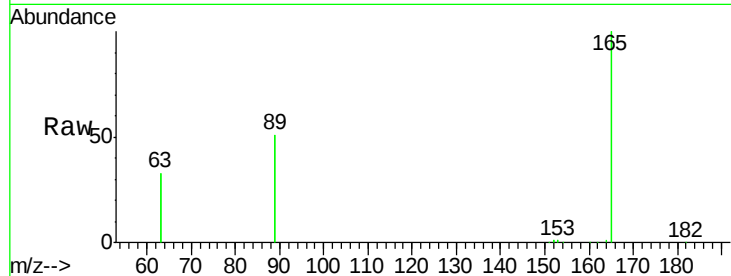




#19
 2,6-Dinitrotoluene
 Concen: 3.97 ng
 RT: 14.44 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BE091949.D
 Acq: 24 Jun 2016 16:42

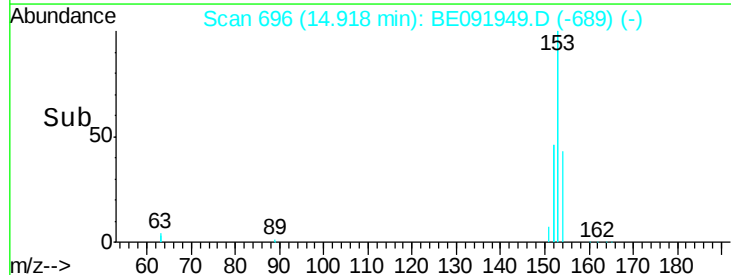
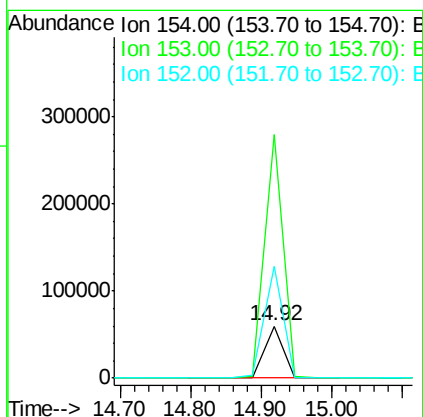
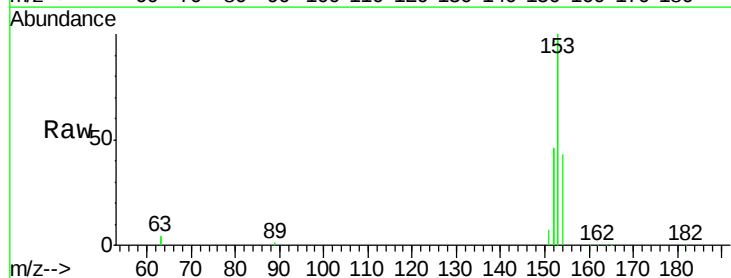
Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008MSD

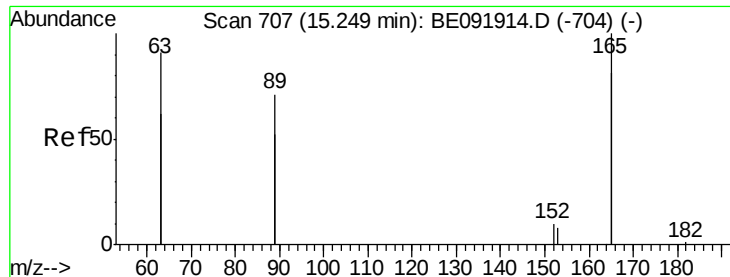
Tot Ion:165 Resp: 77075
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.9 98.9#
 89 71.3 59.1 88.7



#20
 Acenaphthene
 Concen: 4.56 ng
 RT: 14.92 min Scan# 696
 Delta R.T. -0.00 min
 Lab File: BE091949.D
 Acq: 24 Jun 2016 16:42

Tgt Ion:154 Resp: 112766
 Ion Ratio Lower Upper
 154 100
 153 456.1 88.1 132.1#
 152 212.1 44.2 66.2#





#21

2,4-Dinitrotoluene

Concen: 4.59 ng

RT: 15.22 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

Tot Ion:165 Resp: 81095

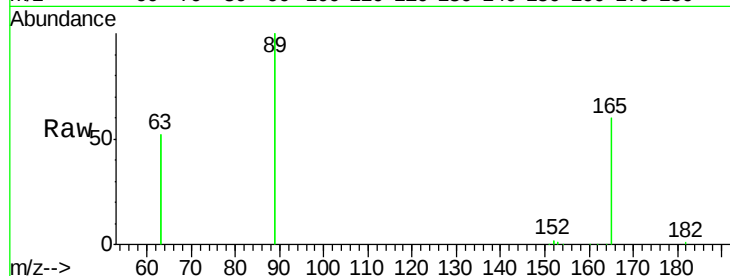
Ion Ratio Lower Upper

165 100

63 99.8 0.0 0.0#

89 141.7 99.8 149.8

182 0.0 0.0 0.0

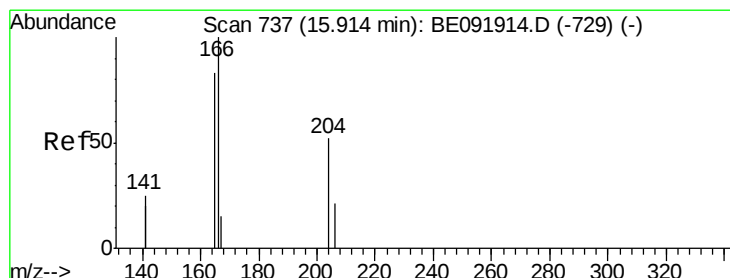
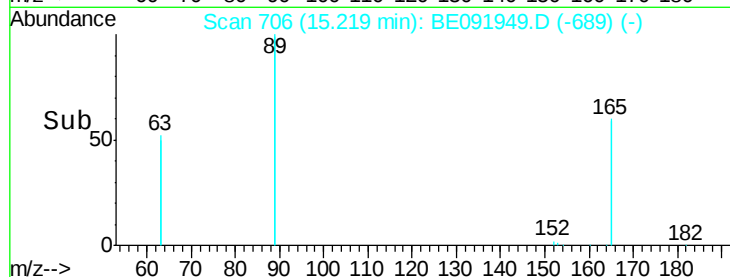
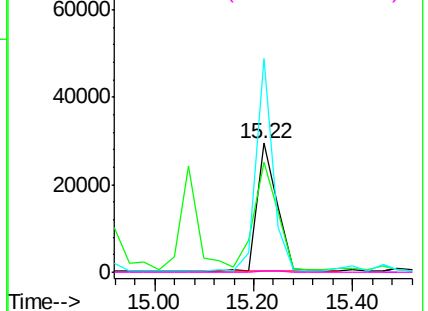


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 4.84 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

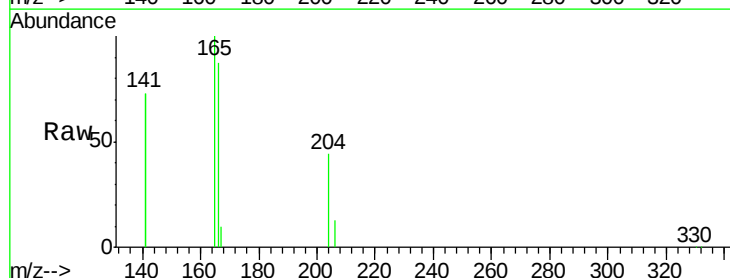
Tgt Ion:166 Resp: 119214

Ion Ratio Lower Upper

166 100

165 99.5 78.6 117.8

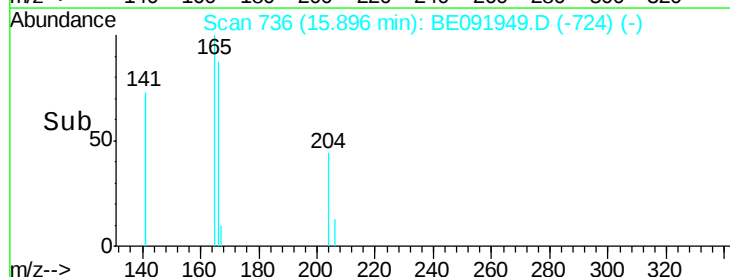
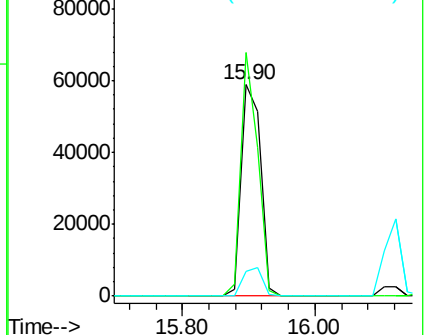
167 13.4 10.8 16.2

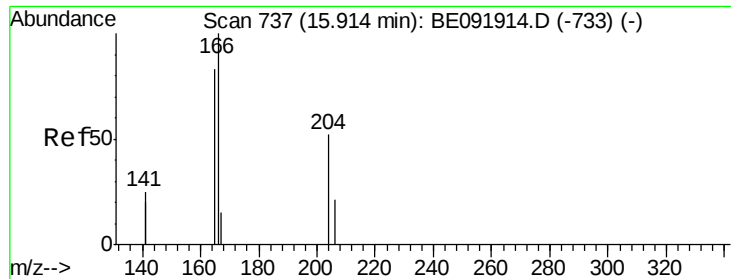


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

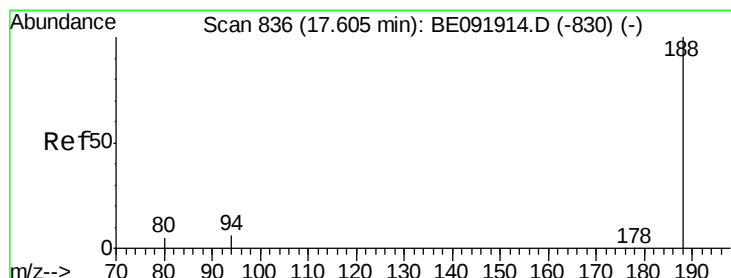
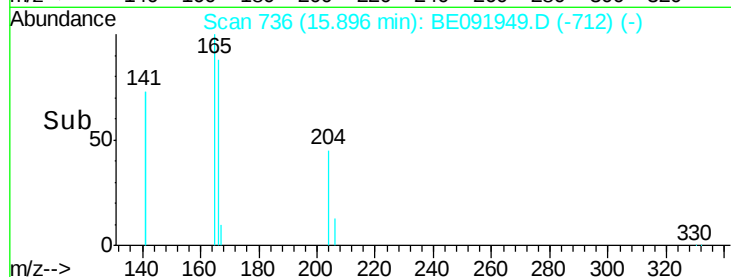
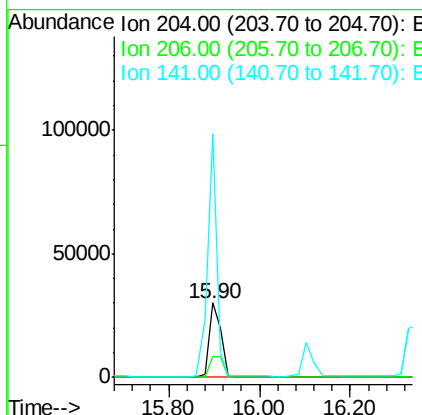
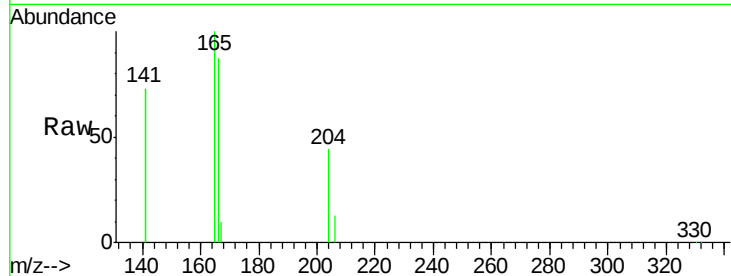




#23
4-Chlorophenyl-phenylether
Concen: 4.42 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

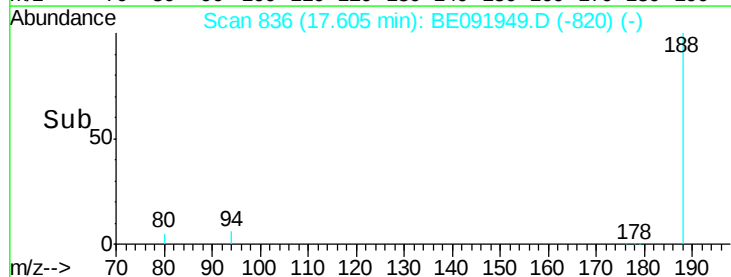
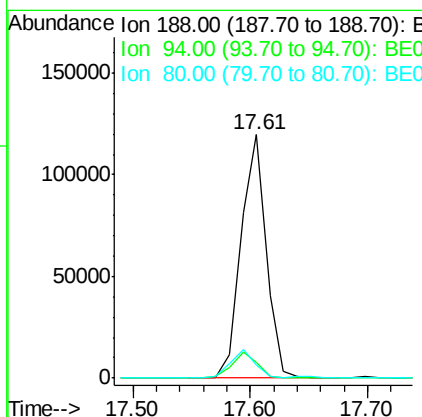
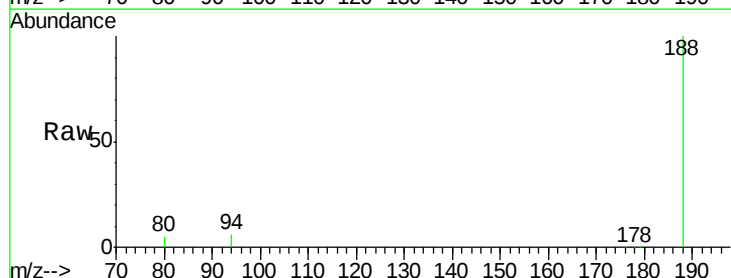
Instrument :
BNA_E
ClientSampleId :
NCHC-008MSD

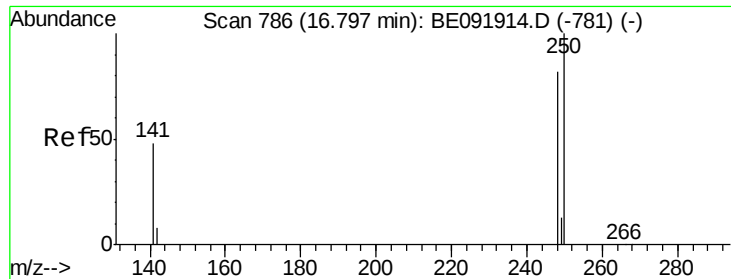
Tot Ion:204 Resp: 53597
Ion Ratio Lower Upper
204 100
206 34.3 27.8 41.6
141 255.6 197.6 296.4



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

Tgt Ion:188 Resp: 179289
Ion Ratio Lower Upper
188 100
94 6.3 4.1 6.1#
80 5.4 3.4 5.2#





#25

4-Bromophenyl-phenylether

Concen: 4.97 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

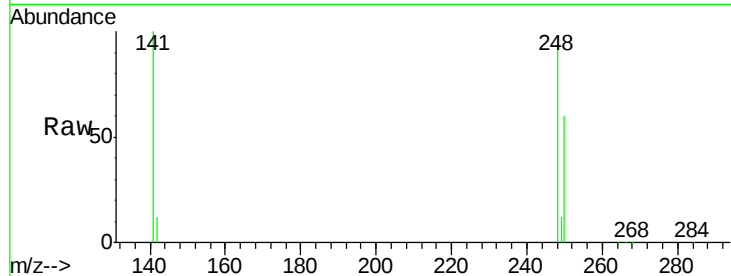
Tot Ion:248 Resp: 34467

Ion Ratio Lower Upper

248 100

250 96.4 75.7 113.5

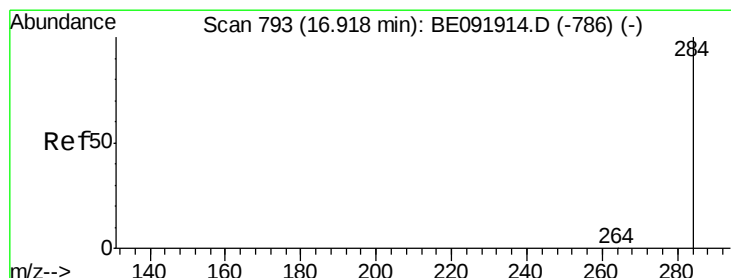
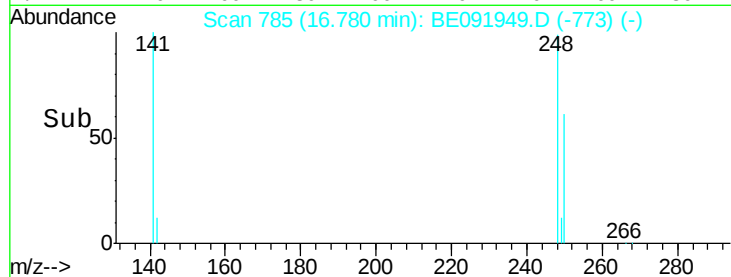
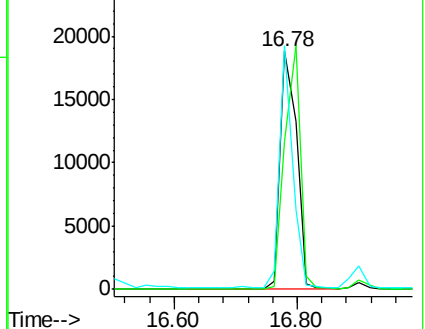
141 81.4 64.6 97.0



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: 4.80 ng

RT: 16.92 min Scan# 793

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

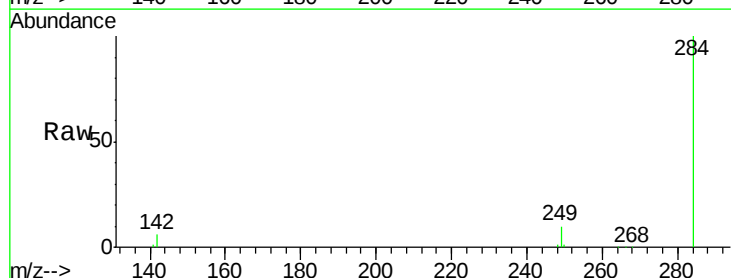
Tgt Ion:284 Resp: 34169

Ion Ratio Lower Upper

284 100

142 41.9 31.4 47.2

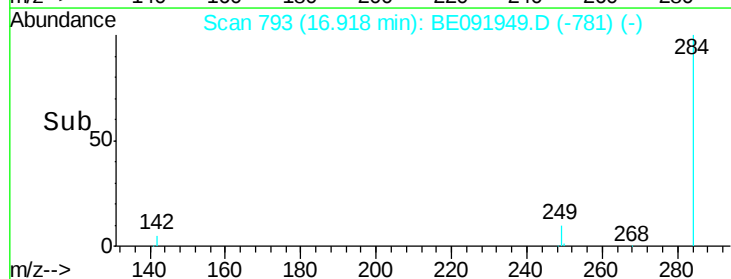
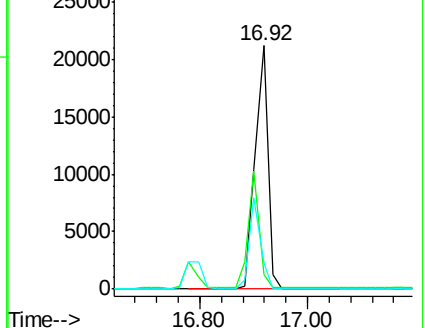
249 33.2 25.3 37.9

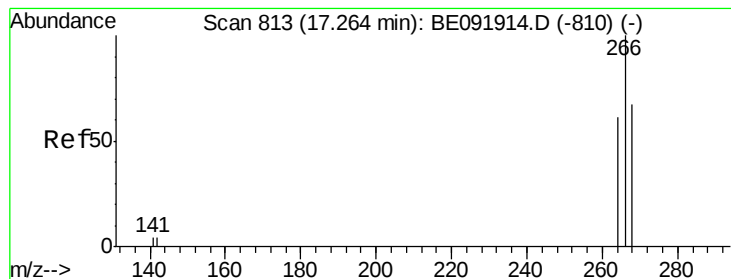


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#27

Pentachlorophenol

Concen: 8.54 ng

RT: 17.25 min Scan# 812

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

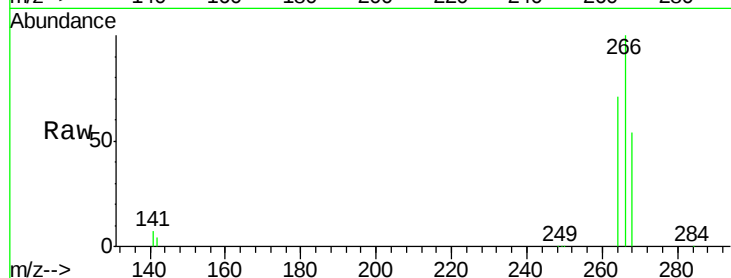
Tot Ion:266 Resp: 37694

Ion Ratio Lower Upper

266 100

268 53.8 60.5 90.7#

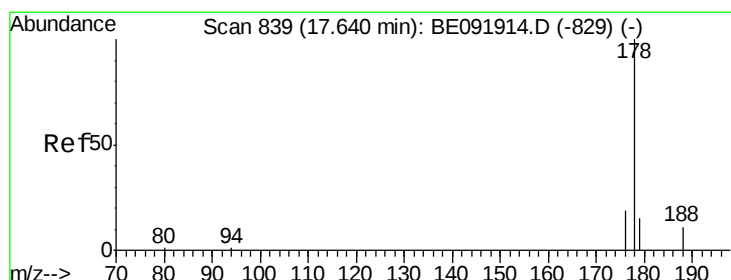
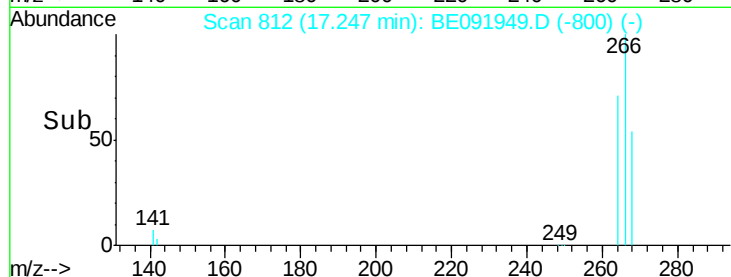
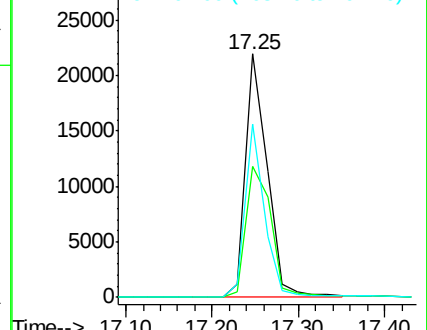
264 71.4 51.0 76.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#28

Phenanthrene

Concen: 4.68 ng

RT: 17.64 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

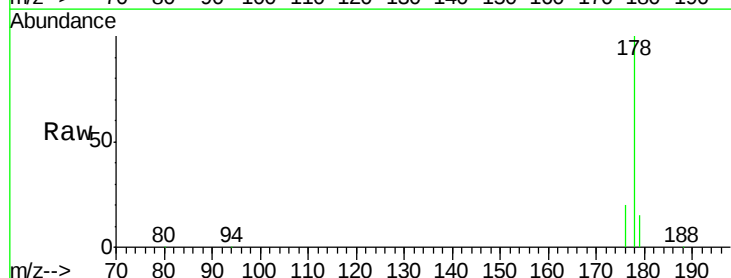
Tgt Ion:178 Resp: 209868

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

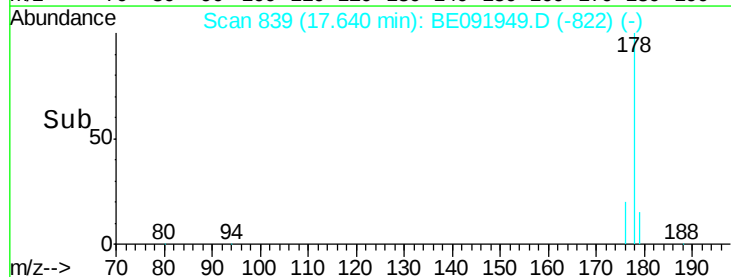
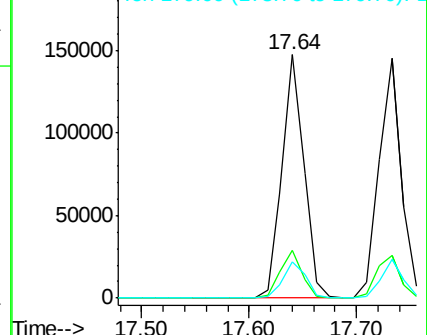
179 15.4 12.9 19.3

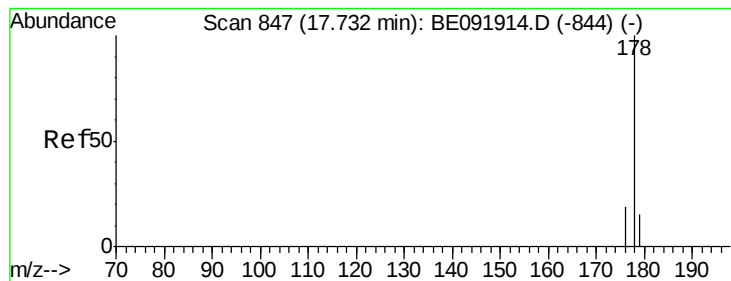


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 5.35 ng

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

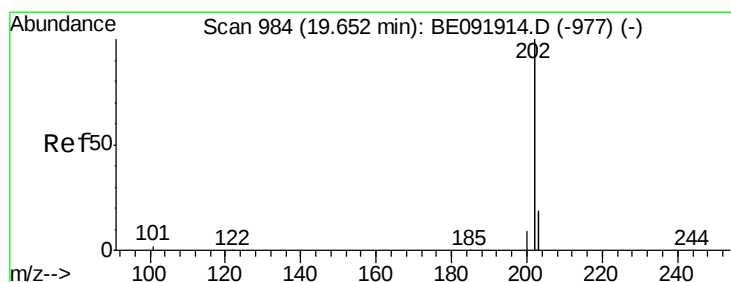
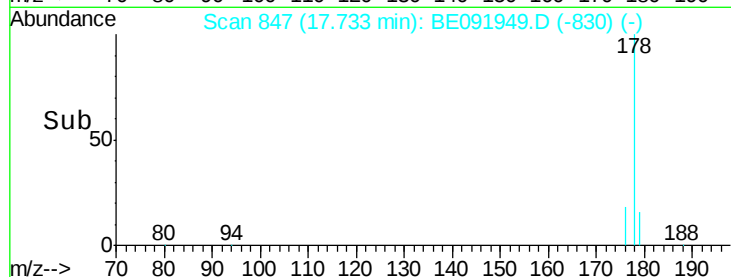
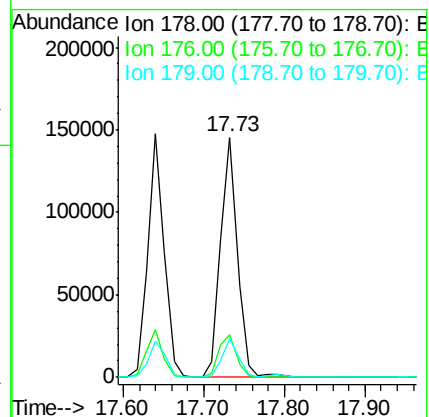
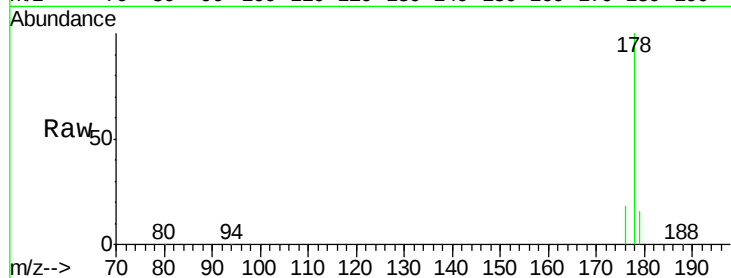
Tot Ion:178 Resp: 212176

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.3 12.1 18.1



#30

Fluoranthene

Concen: 5.26 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

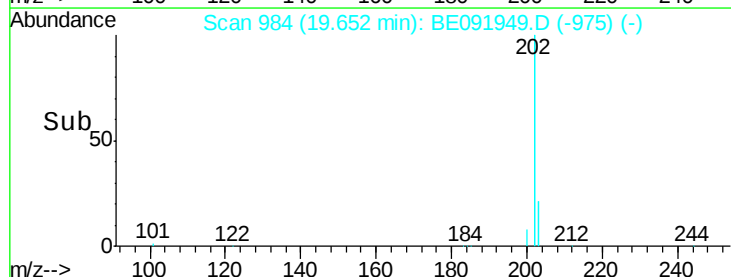
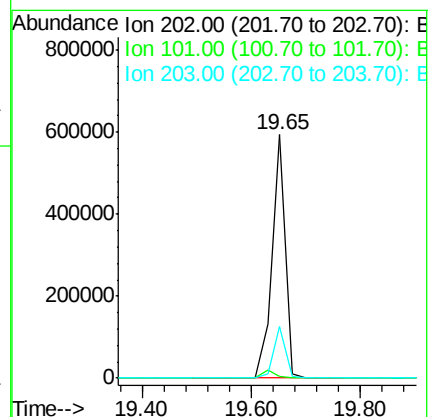
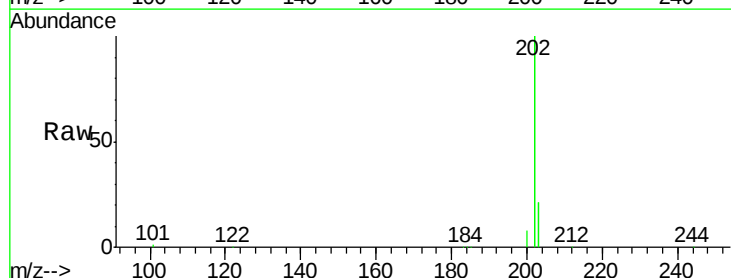
Tgt Ion:202 Resp: 1010030

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

203 19.3 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

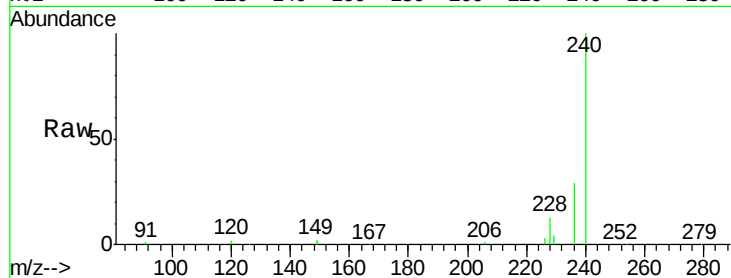
Tot Ion:240 Resp: 276167

Ion Ratio Lower Upper

240 100

120 2.2 1.2 1.8#

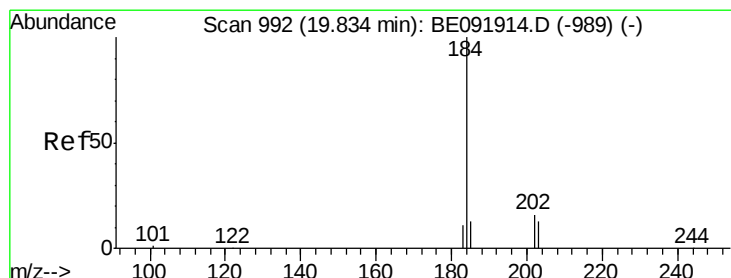
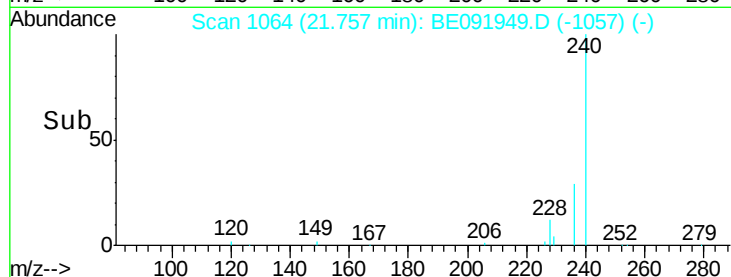
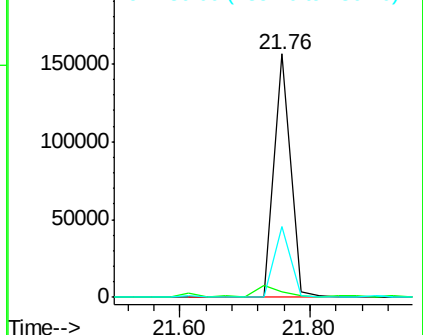
236 29.1 19.8 29.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 1.95 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

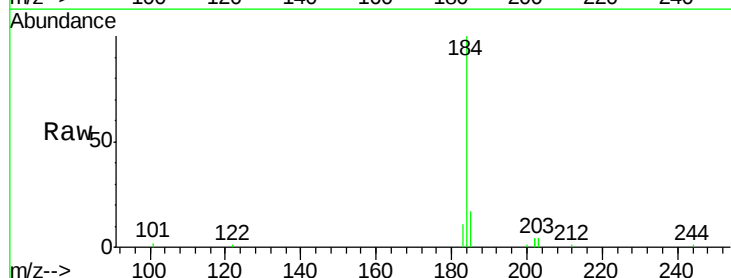
Tgt Ion:184 Resp: 25848

Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.2

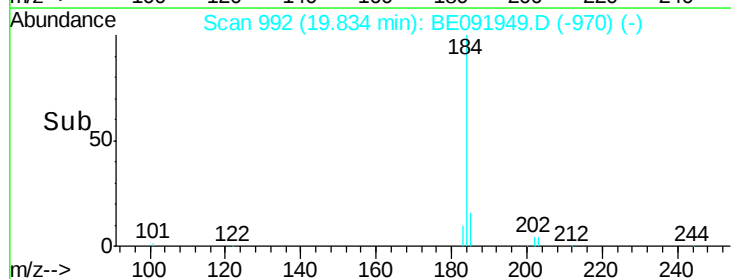
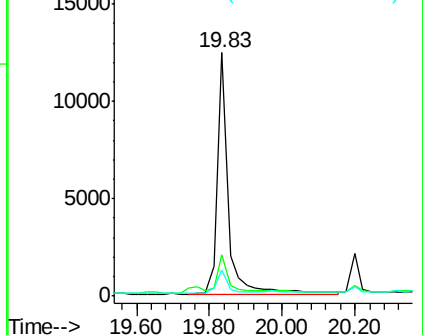
183 10.9 11.8 17.6#

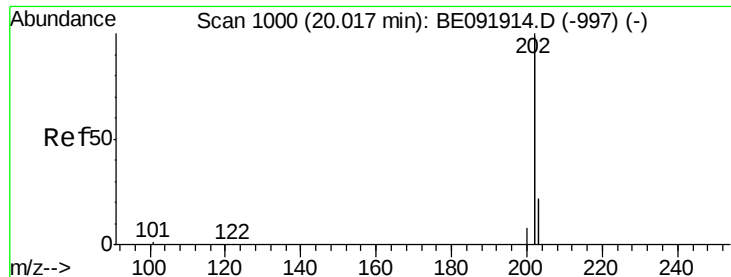


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

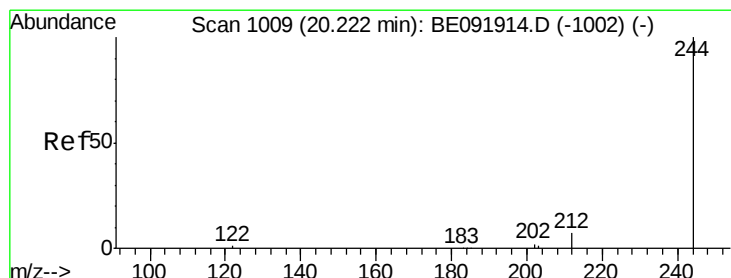
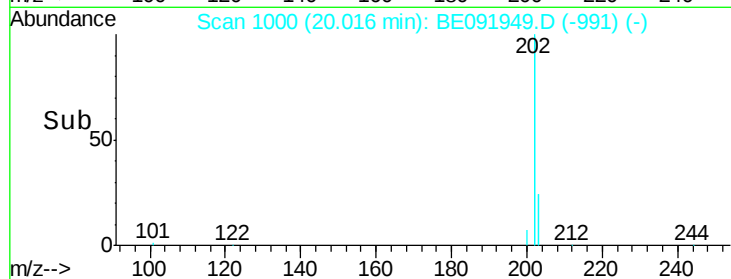
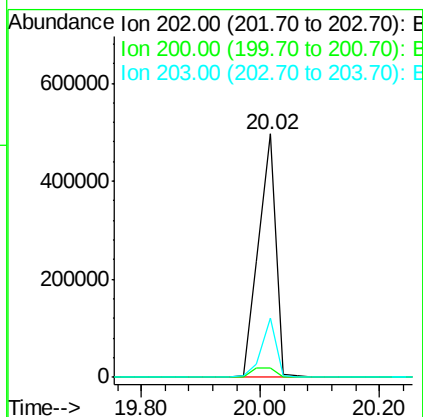
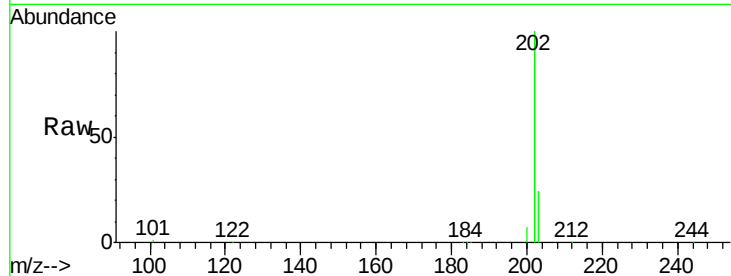




#33
Pvrene
Concen: 5.39 ng
RT: 20.02 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

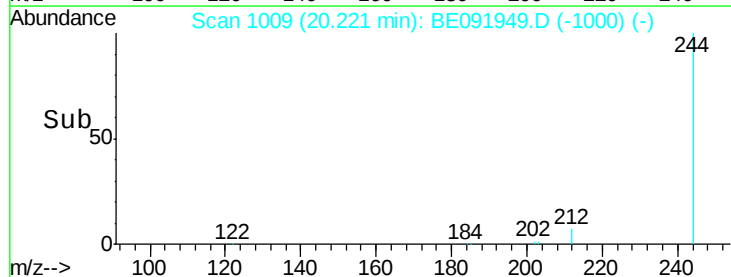
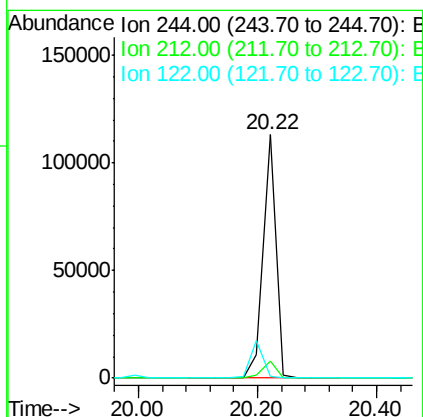
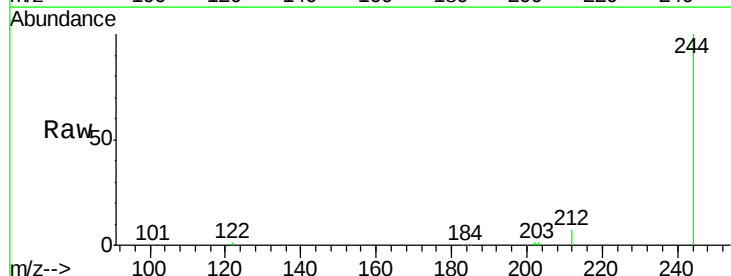
Instrument :
BNA_E
ClientSampleId :
NCHC-008MSD

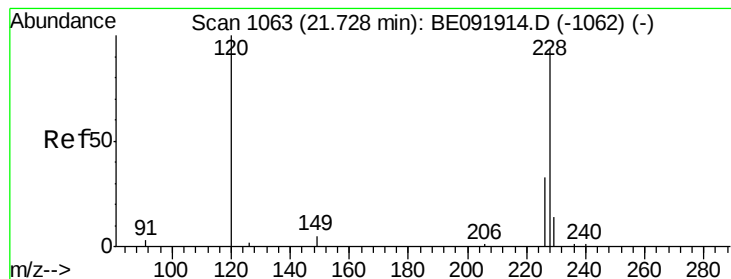
Tot Ion:202 Resp: 1013434
Ion Ratio Lower Upper
202 100
200 0.0 16.9 25.3#
203 19.9 14.1 21.1



#34
Terphenyl-d14
Concen: 5.09 ng
RT: 20.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE091949.D
Acq: 24 Jun 2016 16:42

Tgt Ion:244 Resp: 172190
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 0.5 2.9 4.3#





#35

Benzo(a)anthracene

Concen: 5.17 ng/mL

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

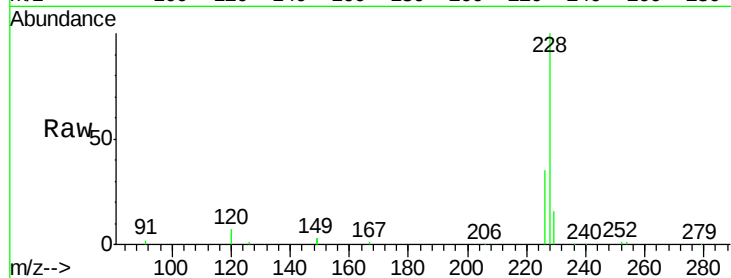
Tot Ion: 228 Resp: 224315

Ion Ratio Lower Upper

228 100

226 34.5 21.0 31.4#

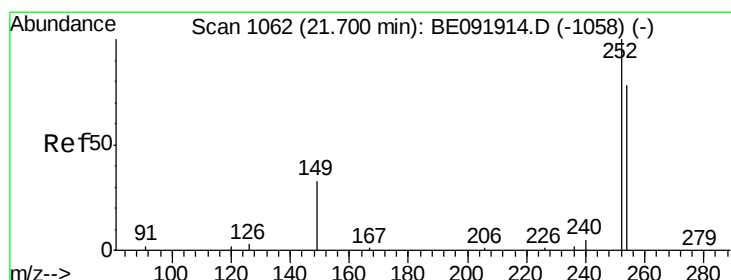
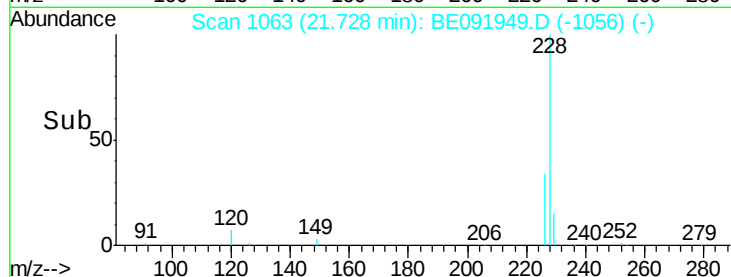
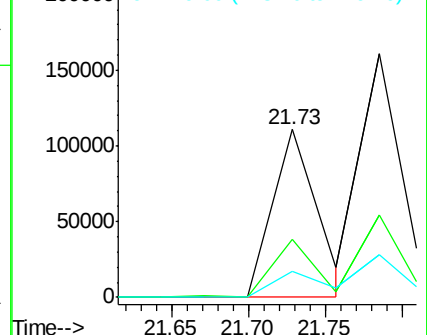
229 15.8 15.8 23.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#36

3,3'-Dichlorobenzidine

Concen: 7.45 ng/mL

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

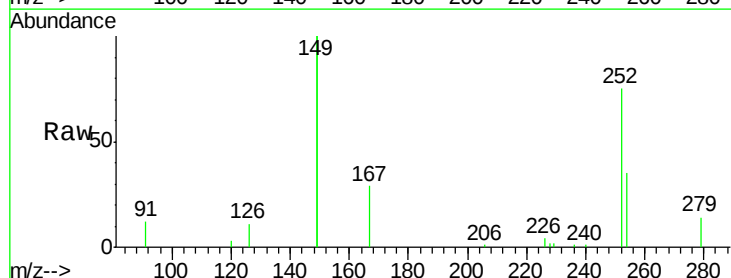
Tgt Ion: 252 Resp: 52403

Ion Ratio Lower Upper

252 100

254 46.3 61.5 92.3#

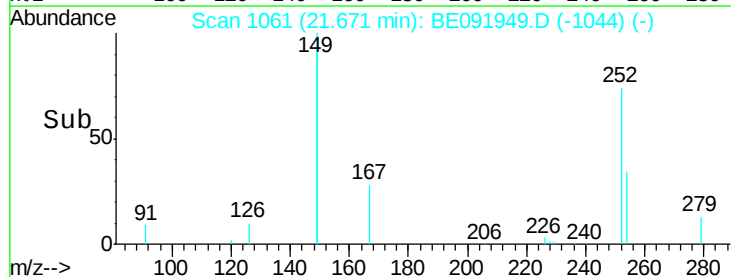
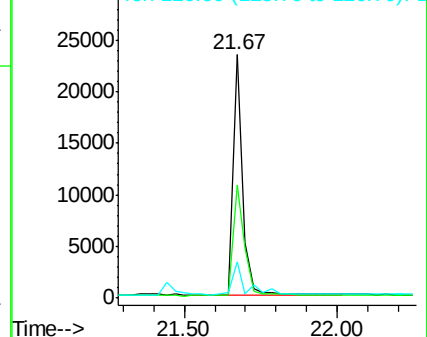
126 14.8 2.5 3.7#

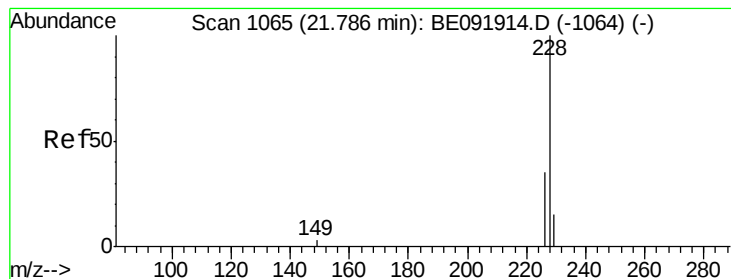


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 4.63 ng/mL

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

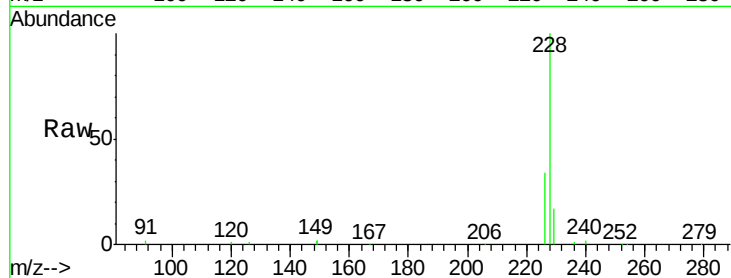
Tot Ion:228 Resp: 293192

Ion Ratio Lower Upper

228 100

226 34.0 27.0 40.6

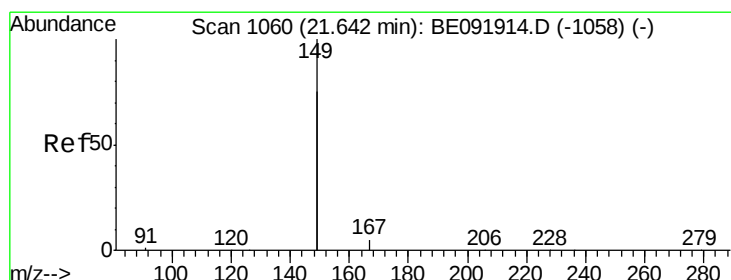
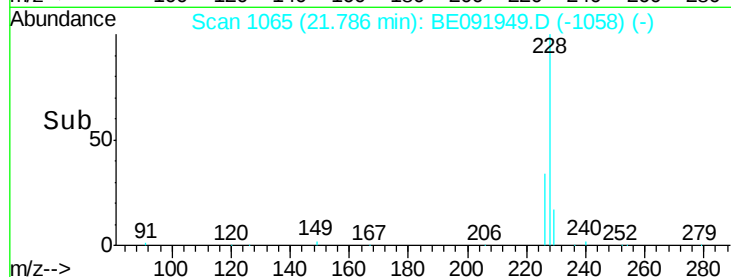
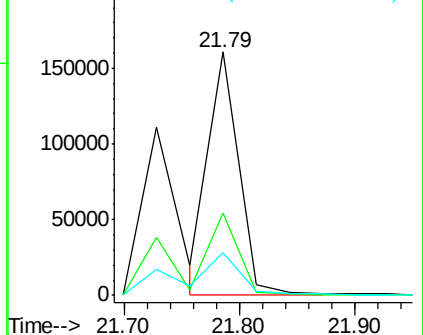
229 17.5 13.8 20.8



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: 6.49 ng/mL

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

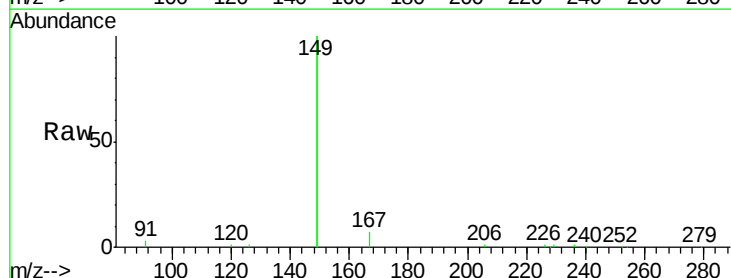
Tgt Ion:149 Resp: 342380

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

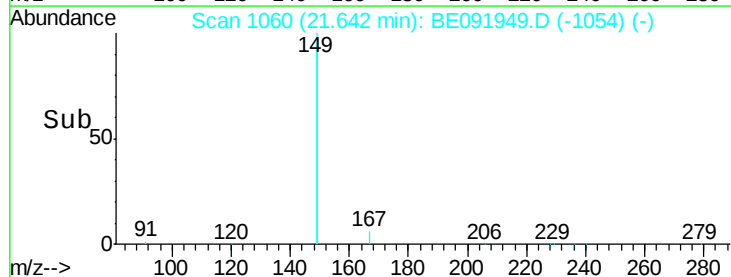
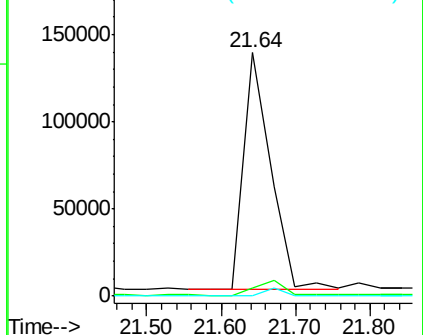
279 0.0 0.0 0.0

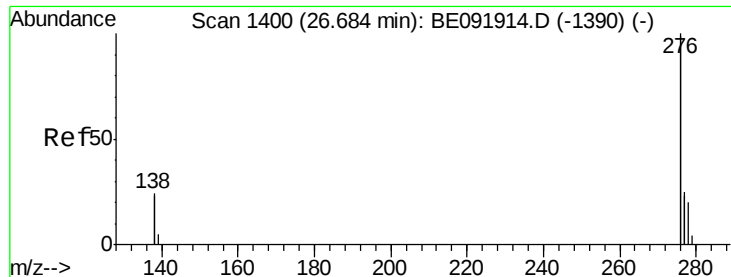


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

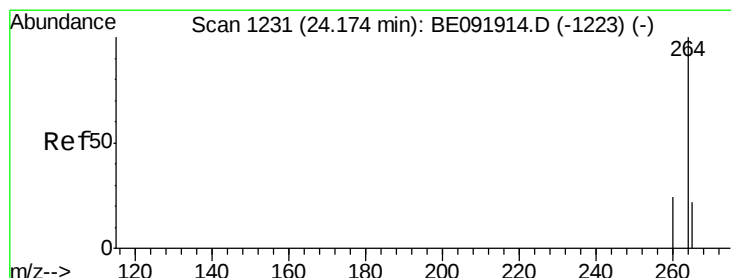
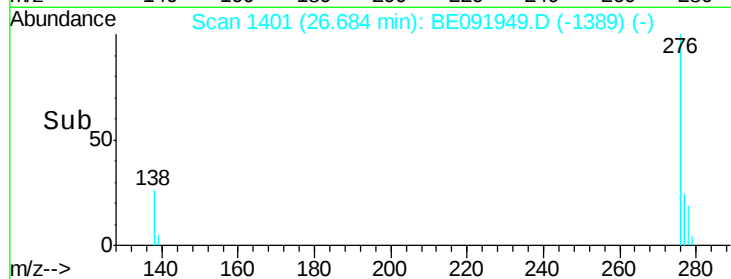
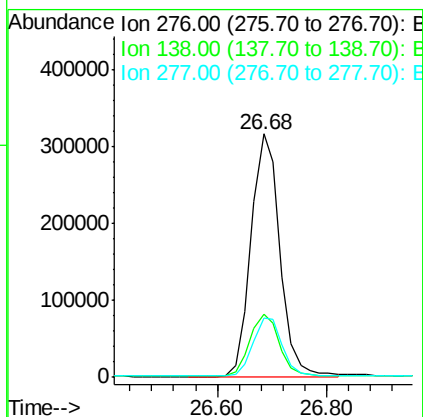
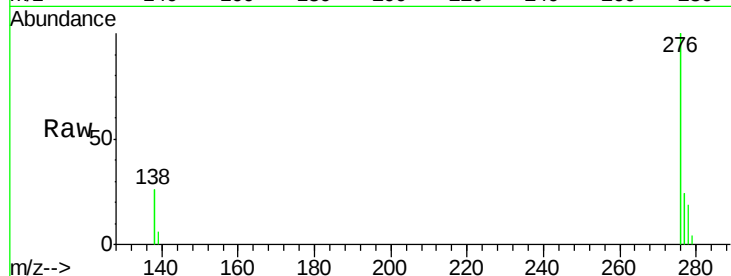




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 5.31 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091949.D
 Acq: 24 Jun 2016 16:42

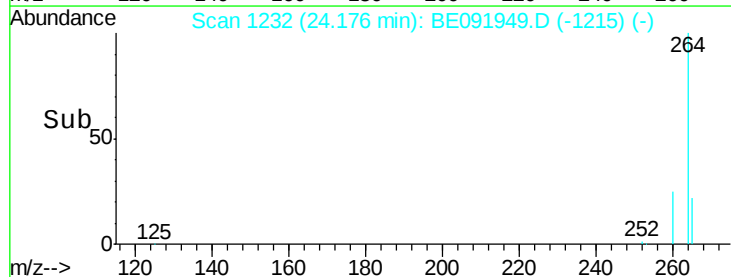
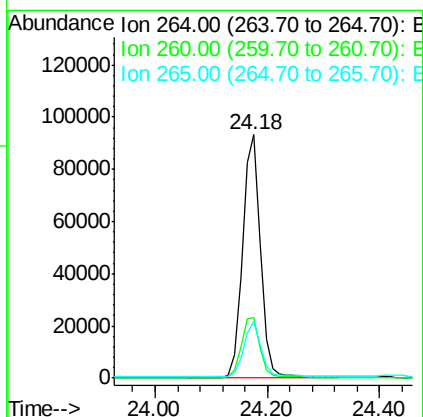
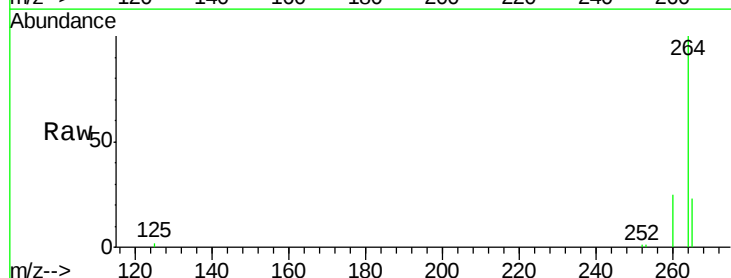
Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008MSD

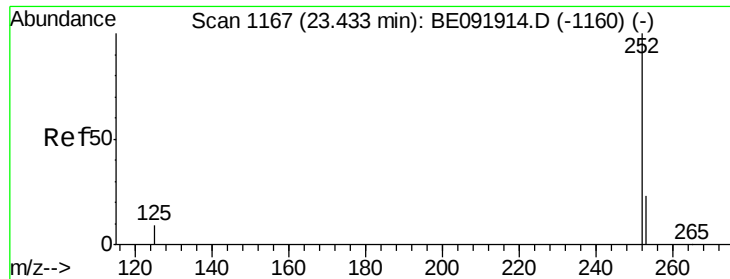
Tot Ion:276 Resp: 1151311
 Ion Ratio Lower Upper
 276 100
 138 26.5 19.7 29.5
 277 24.7 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.18 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091949.D
 Acq: 24 Jun 2016 16:42

Tgt Ion:264 Resp: 207048
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.3 30.5
 265 23.1 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 4.87 ng

RT: 23.42 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

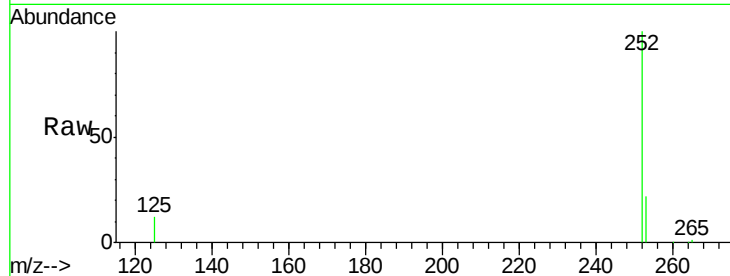
Tot Ion:252 Resp: 259077

Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.6

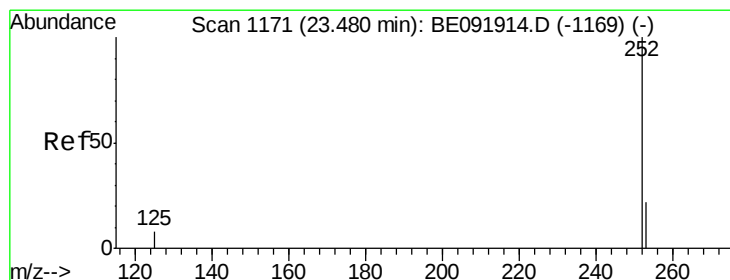
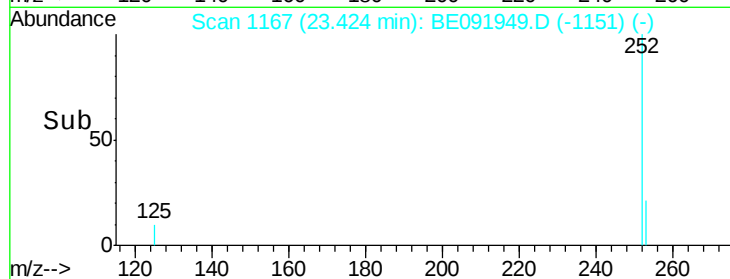
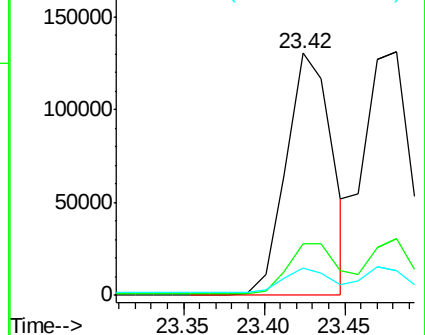
125 11.5 9.4 14.2



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: 5.42 ng

RT: 23.48 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

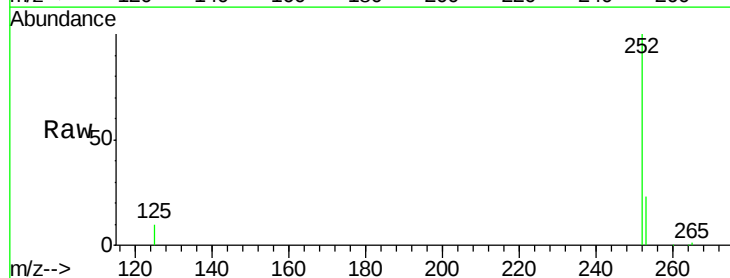
Tgt Ion:252 Resp: 263545

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.2

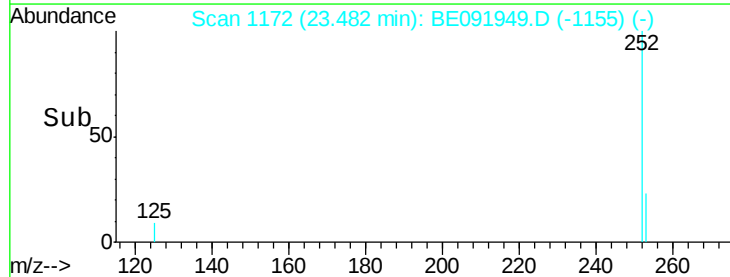
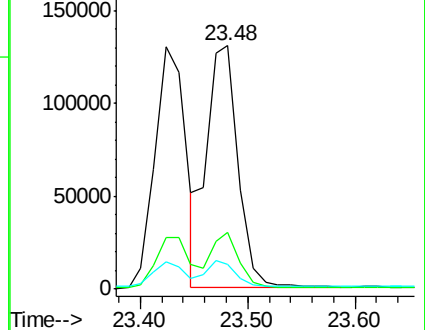
125 10.1 8.3 12.5



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: 5.53 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD

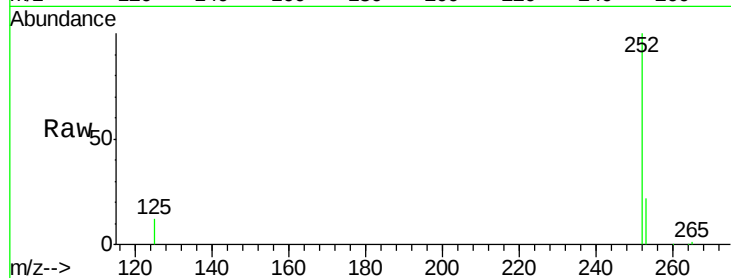
Tot Ion:252 Resp: 256975

Ion Ratio Lower Upper

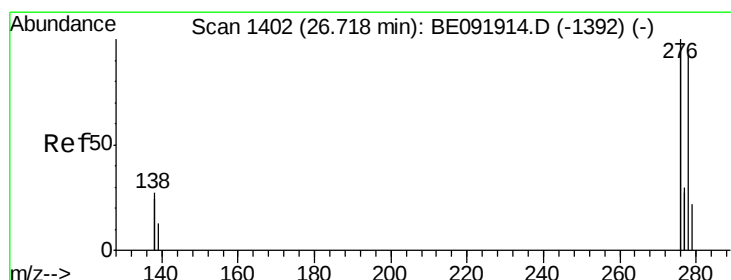
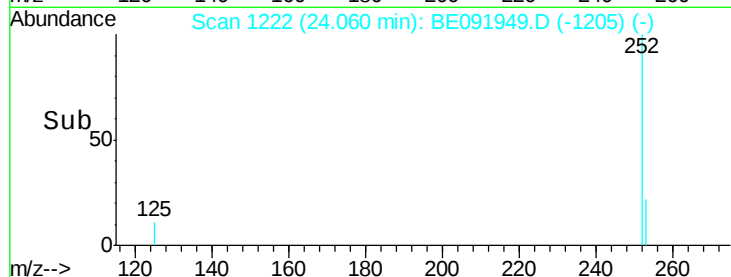
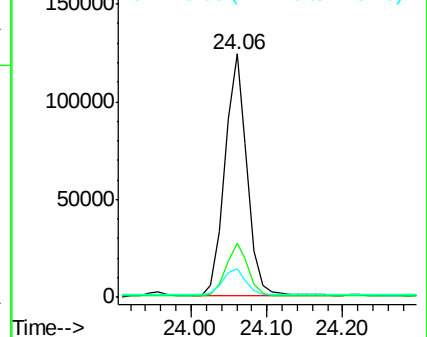
252 100

253 22.3 18.9 28.3

125 12.0 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: 5.31 ng

RT: 26.72 min Scan# 1403

Delta R.T. -0.00 min

Lab File: BE091949.D

Acq: 24 Jun 2016 16:42

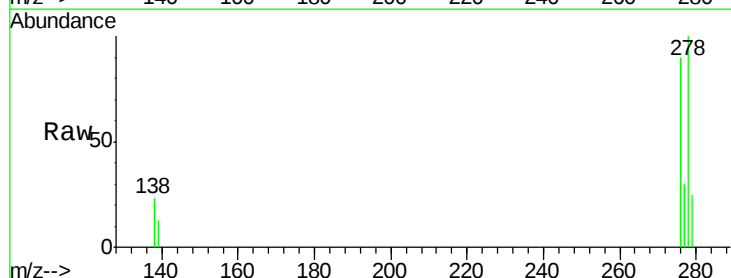
Tgt Ion:278 Resp: 239868

Ion Ratio Lower Upper

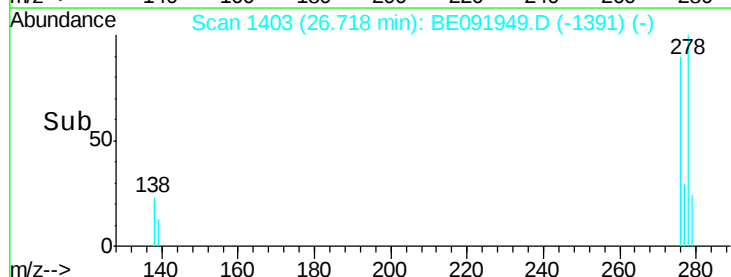
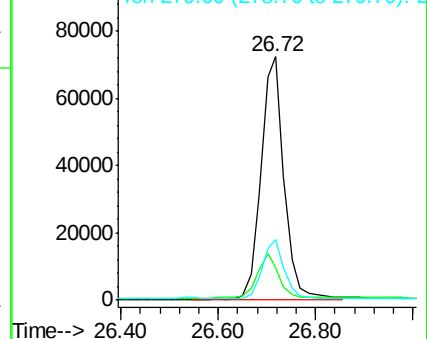
278 100

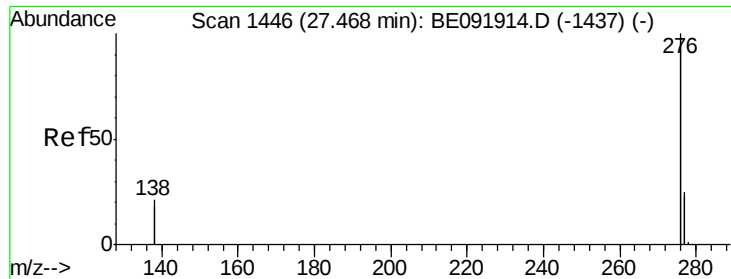
139 13.4 12.6 18.8

279 25.1 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#45

Benzo(a,h,i)perylene

Concen: 5.24 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091949.D

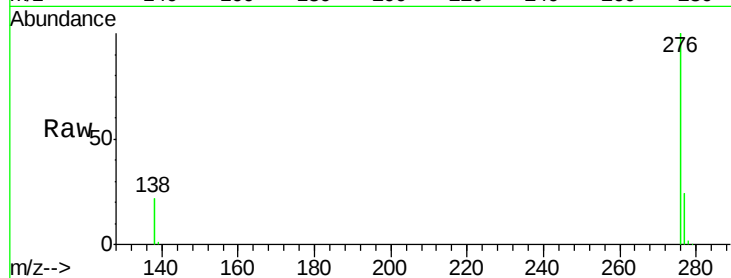
Acq: 24 Jun 2016 16:42

Instrument :

BNA_E

ClientSampleId :

NCHC-008MSD



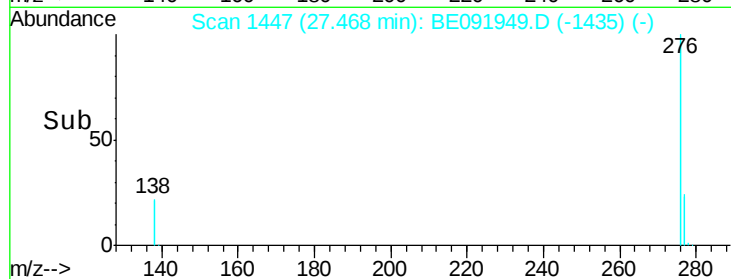
Tot Ion: 276 Resp: 978042

Ion Ratio Lower Upper

276 100

277 24.2 19.5 29.3

138 22.0 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

