

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
 Data File : BE091952.D
 Acq On : 24 Jun 2016 18:35
 Operator : UM/SJ
 Sample : H3676-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NCHC-011

Quant Time: Jun 24 19:23:55 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

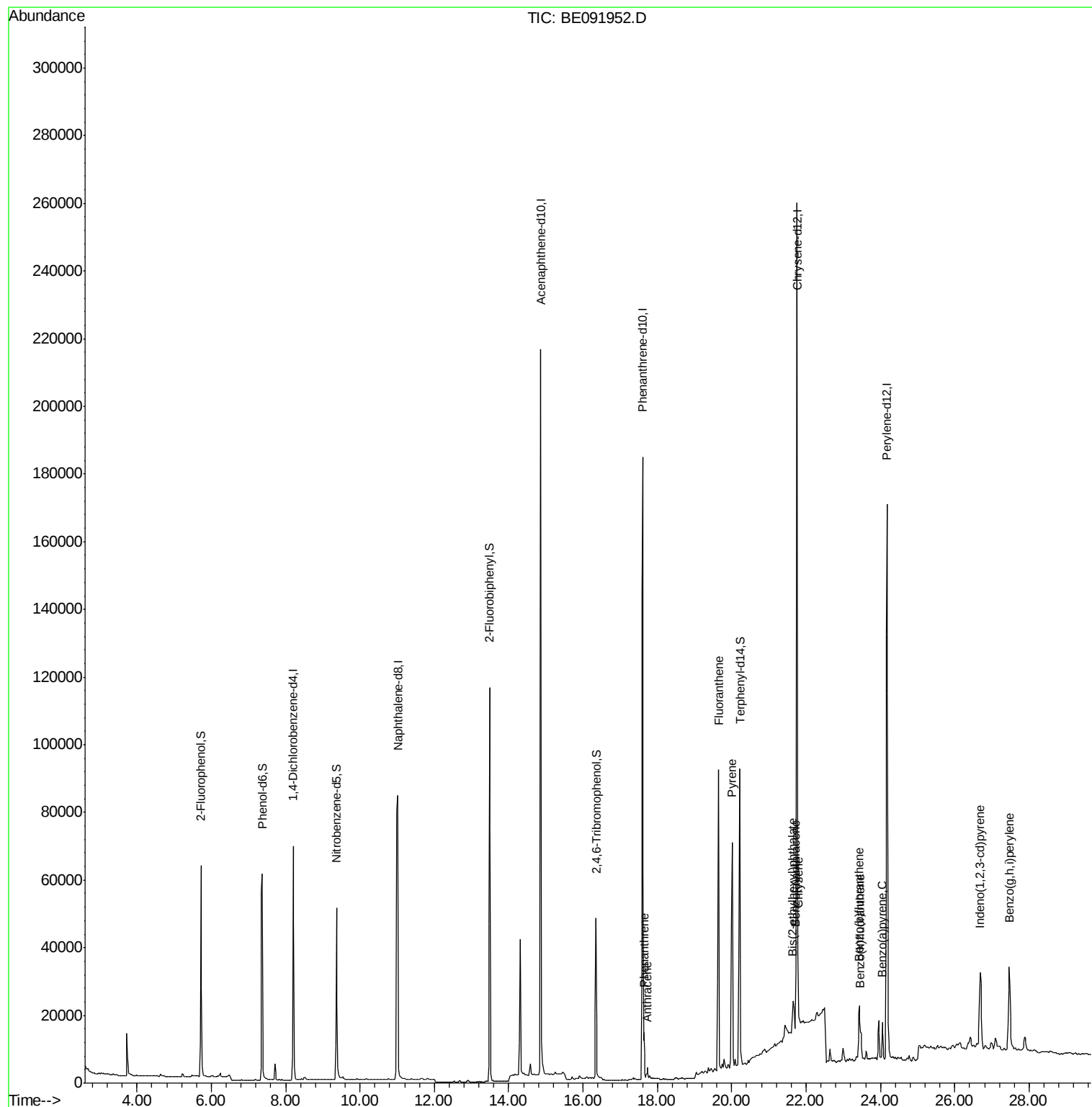
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	40321	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	195008	5.00	ng	0.03
15) Acenaphthene-d10	14.86	164	131004	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	245319	5.00	ng	0.00
31) Chrysene-d12	21.76	240	323132	5.00	ng	0.00
40) Perylene-d12	24.17	264	242042	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	50612	6.42	ng	0.00
5) Phenol-d6	7.37	99	85600	6.64	ng	0.02
9) Nitrobenzene-d5	9.37	82	47449	3.52	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	24068	7.07	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	115062	3.46	ng	0.00
34) Terphenyl-d14	20.22	244	130960	3.31	ng	0.00
Target Compounds						Qvalue
28) Phenanthrene	17.64	178	14248	0.23	ng	97
29) Anthracene	17.73	178	4233m	0.08	ng	
30) Fluoranthene	19.65	202	126945	0.48	ng	# 87
33) Pyrene	20.02	202	121856	0.55	ng	# 67
35) Benzo(a)anthracene	21.73	228	16235m	0.32	ng	
37) Chrysene	21.78	228	20757m	0.28	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	28823	0.94	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.68	276	49821	0.20	ng	97
41) Benzo(b)fluoranthene	23.43	252	26222m	0.42	ng	
42) Benzo(k)fluoranthene	23.46	252	10074m	0.18	ng	
43) Benzo(a)pyrene	24.06	252	16955	0.31	ng	# 64
45) Benzo(a,h,i)perylene	27.47	276	61433	0.28	ng	# 78

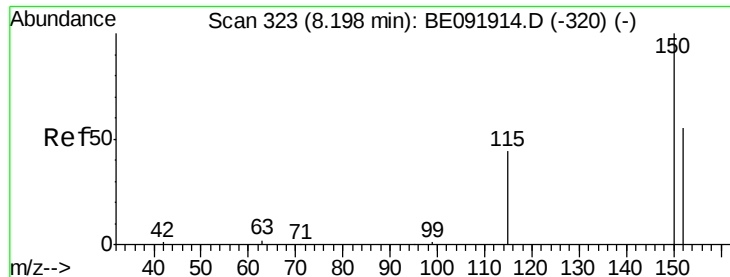
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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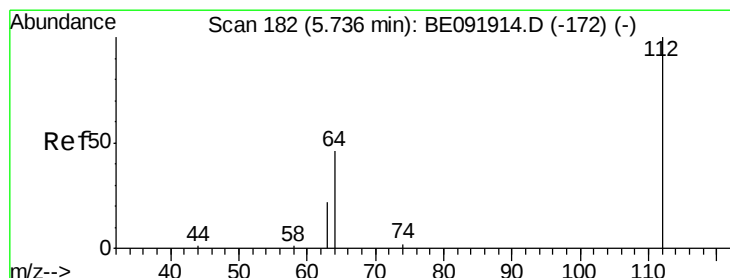
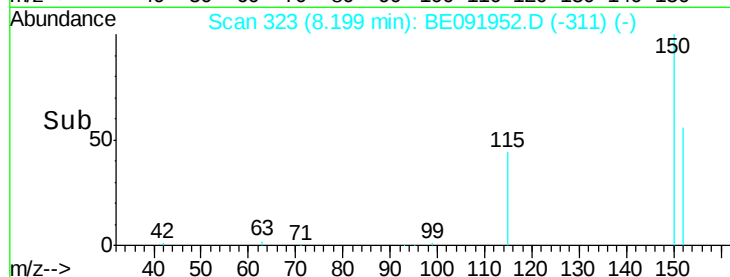
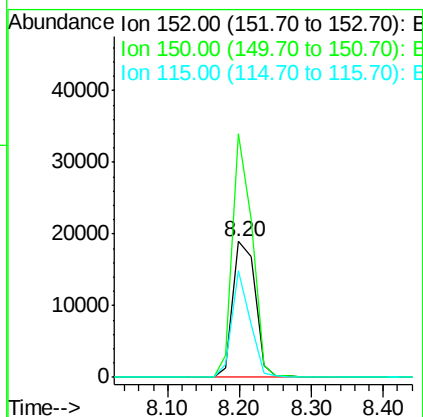
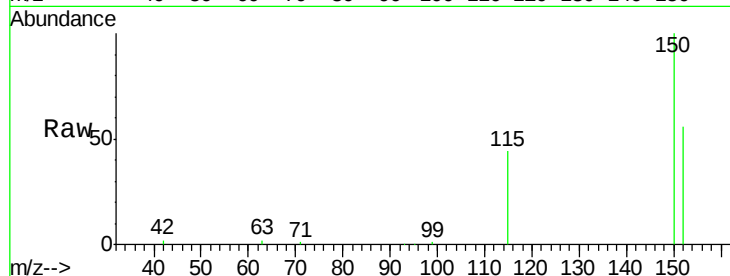


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.20 min Scan# 323
Delta R.T. -0.00 min
Lab File: BE091952.D
Acq: 24 Jun 2016 18:35

Instrument :
BNA_E
ClientSampleId :
NCHC-011

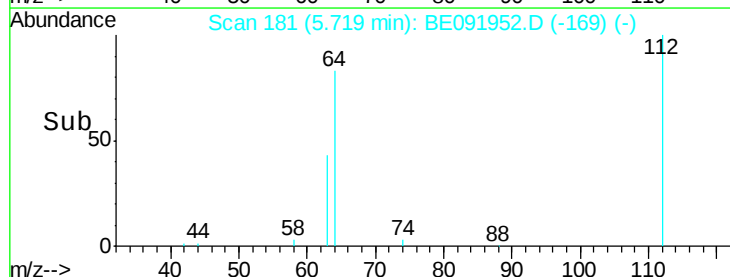
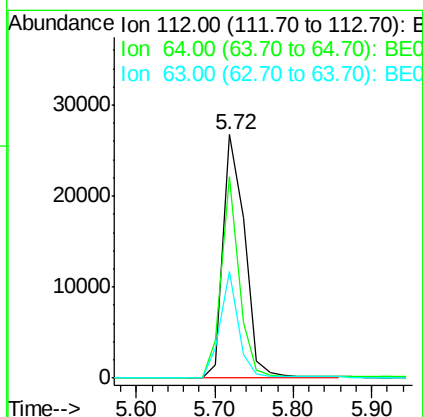
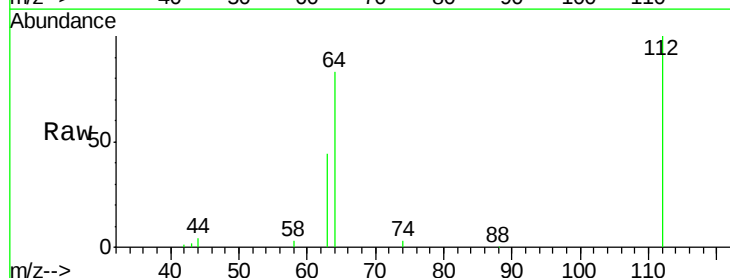
Tot Ion:152 Resp: 40321
Ion Ratio Lower Upper
152 100
150 179.2 123.9 185.9
115 78.7 48.3 72.5#

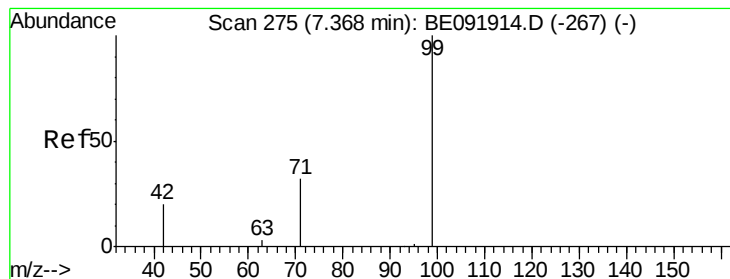


#4

2-Fluorophenol
Concen: 6.42 ng
RT: 5.72 min Scan# 181
Delta R.T. -0.00 min
Lab File: BE091952.D
Acq: 24 Jun 2016 18:35

Tgt Ion:112 Resp: 50612
Ion Ratio Lower Upper
112 100
64 68.9 53.7 80.5
63 36.8 29.5 44.3





#5

Phenol-d6

Concen: 6.64 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Instrument :

BNA_E

ClientSampleId :

NCHC-011

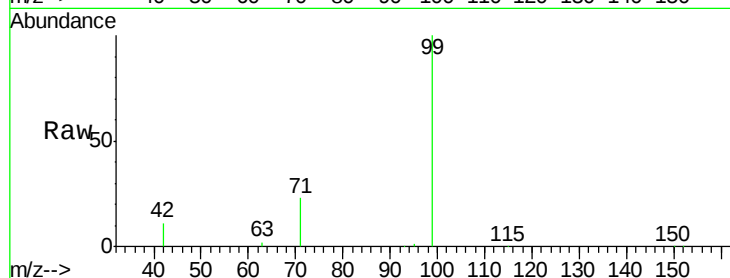
Tot Ion: 99 Resp: 85600

Ion Ratio Lower Upper

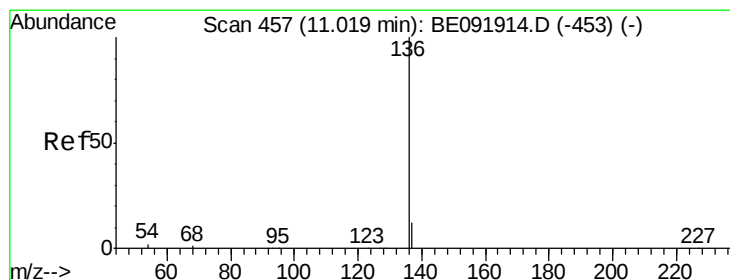
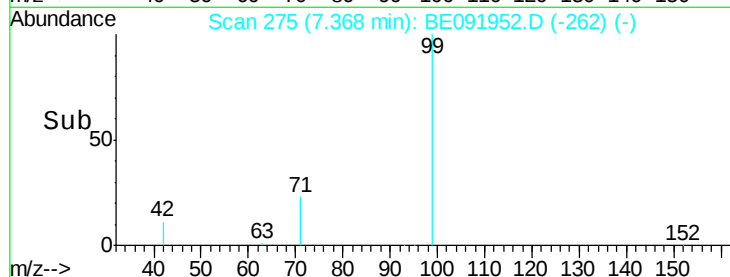
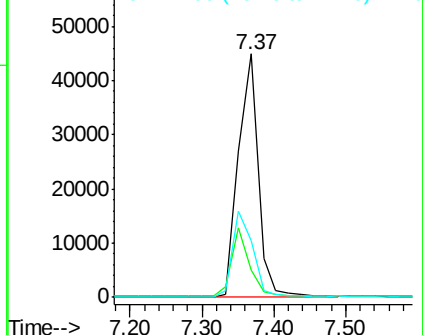
99 100

42 25.1 19.6 29.4

71 35.7 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



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.03 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Tgt Ion: 136 Resp: 195008

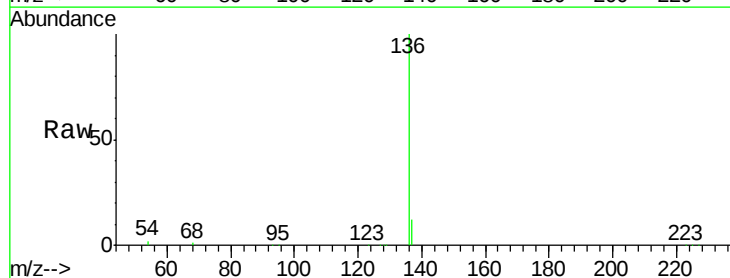
Ion Ratio Lower Upper

136 100

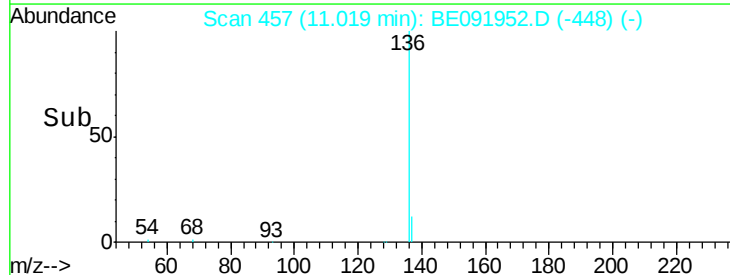
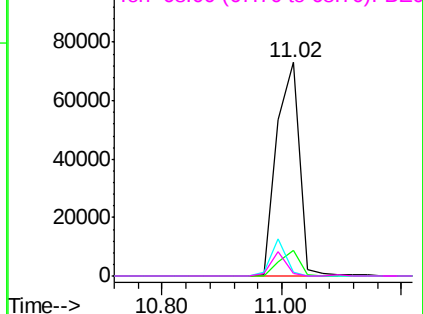
137 12.3 8.3 12.5

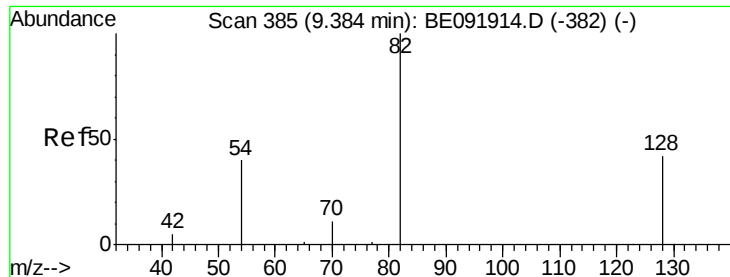
54 1.5 8.2 12.4#

68 1.4 5.9 8.9#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

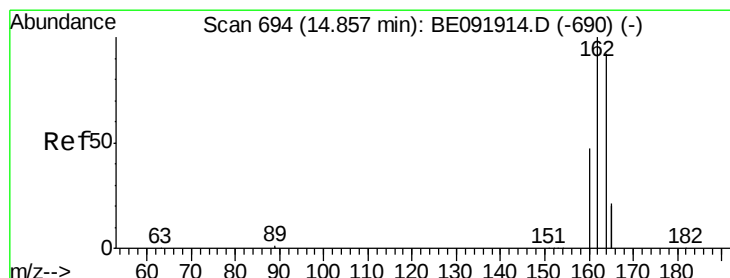
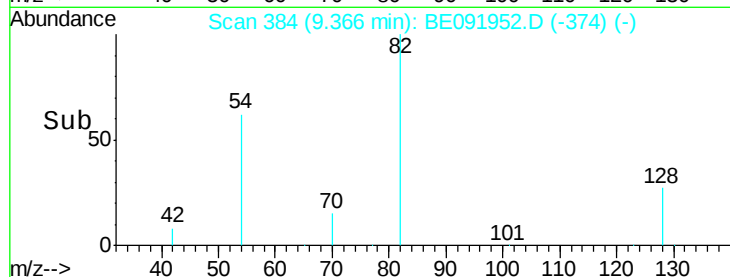
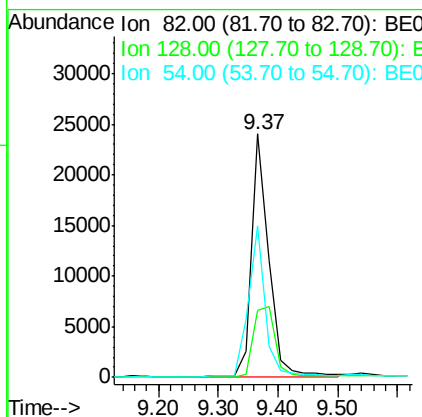
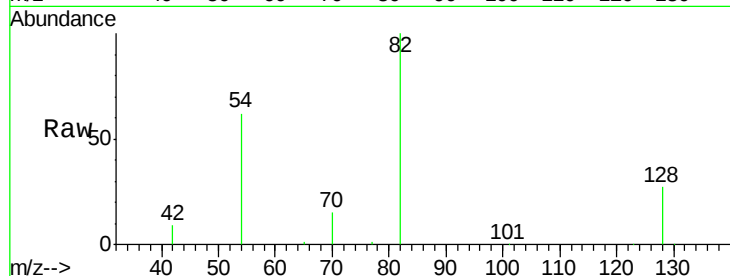




#9
Nitrobenzene-d5
Concen: 3.52 ng
RT: 9.37 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE091952.D
Acq: 24 Jun 2016 18:35

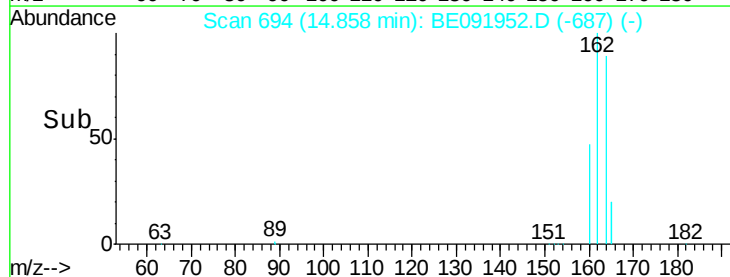
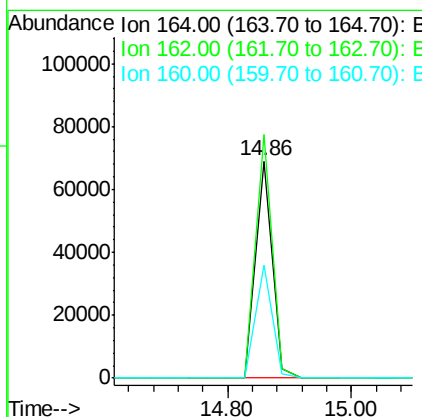
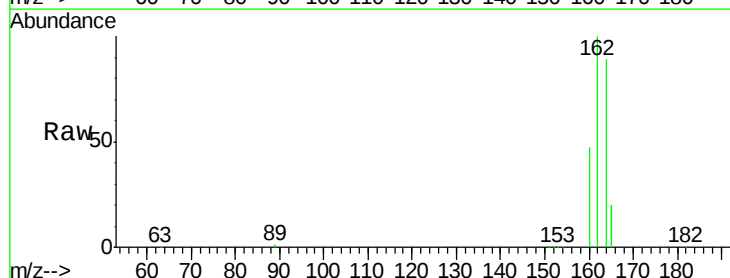
Instrument :
BNA_E
ClientSampleId :
NCHC-011

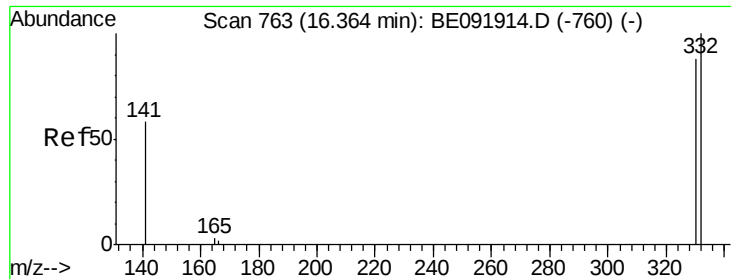
Tot Ion: 82 Resp: 47449
Ion Ratio Lower Upper
82 100
128 27.3 39.5 59.3#
54 62.4 30.3 45.5#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091952.D
Acq: 24 Jun 2016 18:35

Tgt Ion:164 Resp: 131004
Ion Ratio Lower Upper
164 100
162 112.1 71.8 107.8#
160 52.2 28.0 42.0#

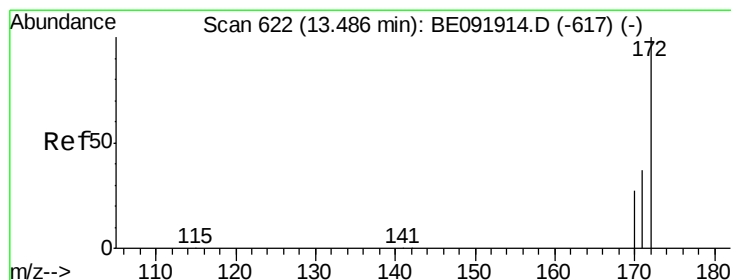
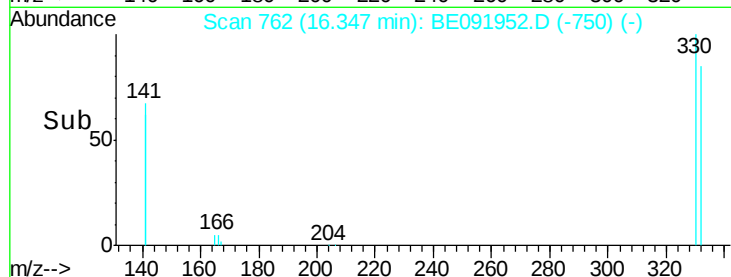
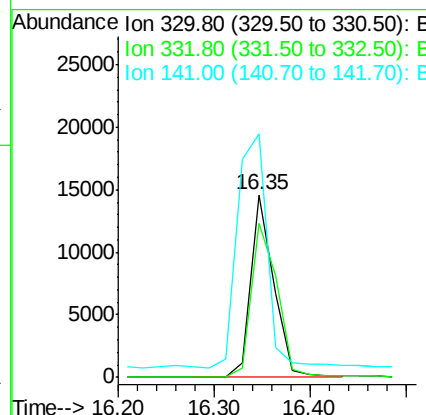
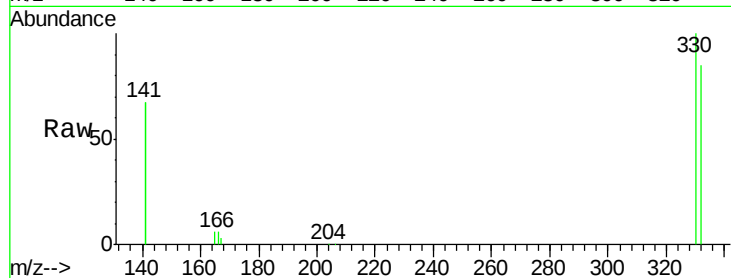




#16
 2,4,6-Tribromophenol
 Concen: 7.07 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE091952.D
 Acq: 24 Jun 2016 18:35

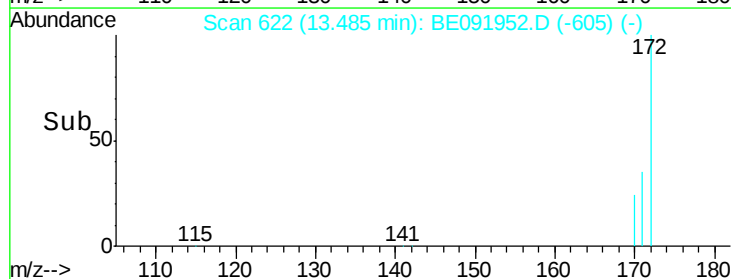
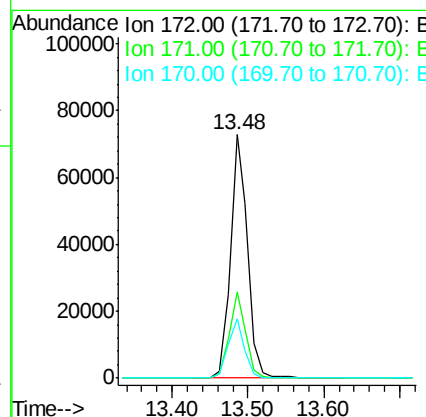
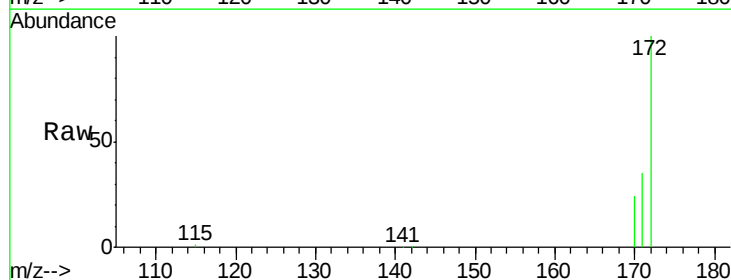
Instrument :
 BNA_E
 ClientSampleId :
 NCHC-011

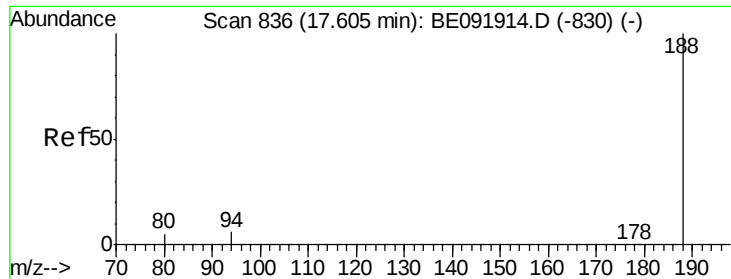
Tot Ion:330 Resp: 24068
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.0 115.6
 141 172.4 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 3.46 ng
 RT: 13.48 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091952.D
 Acq: 24 Jun 2016 18:35

Tgt Ion:172 Resp: 115062
 Ion Ratio Lower Upper
 172 100
 171 35.4 24.3 36.5
 170 24.3 14.9 22.3#

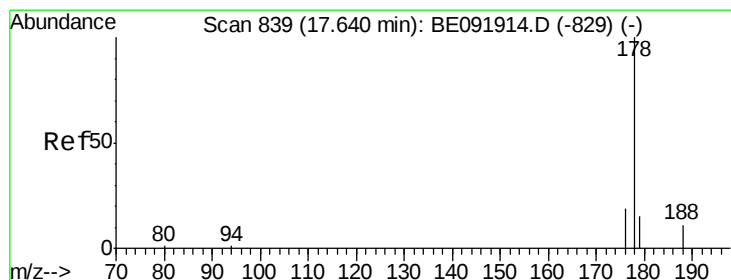
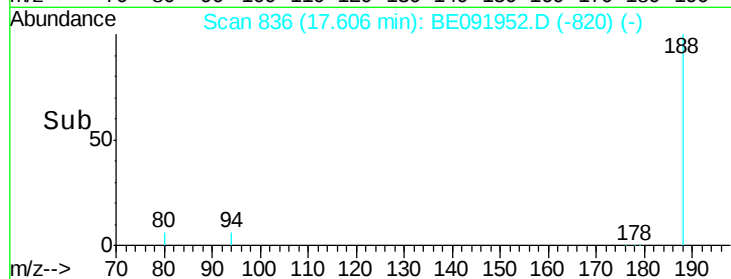
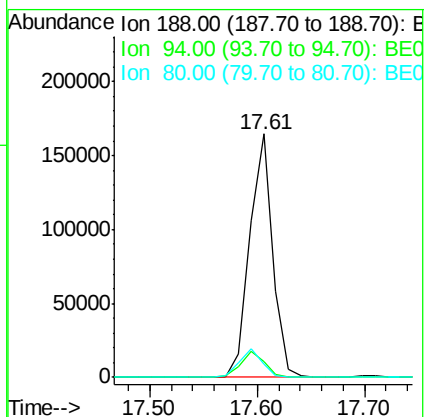
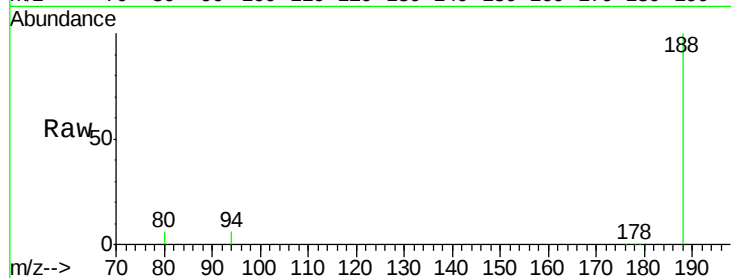




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091952.D
Acq: 24 Jun 2016 18:35

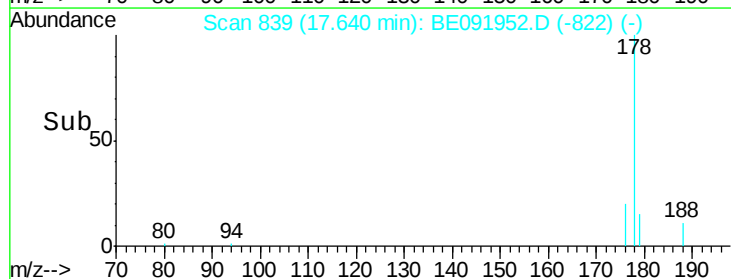
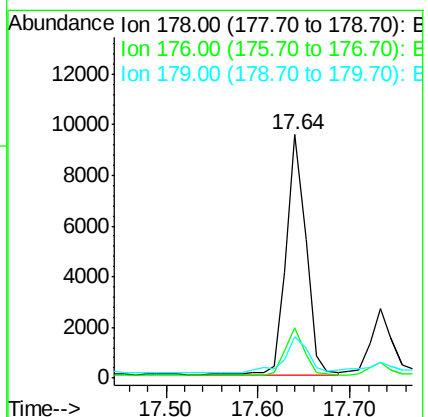
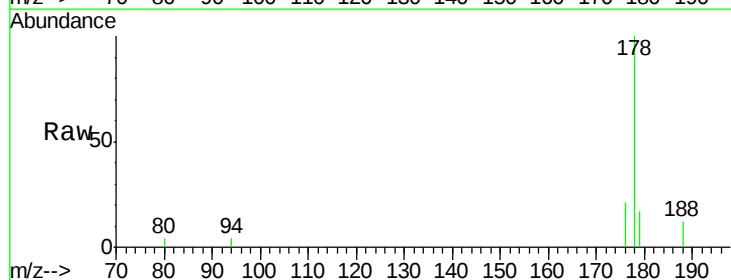
Instrument :
BNA_E
ClientSampleId :
NCHC-011

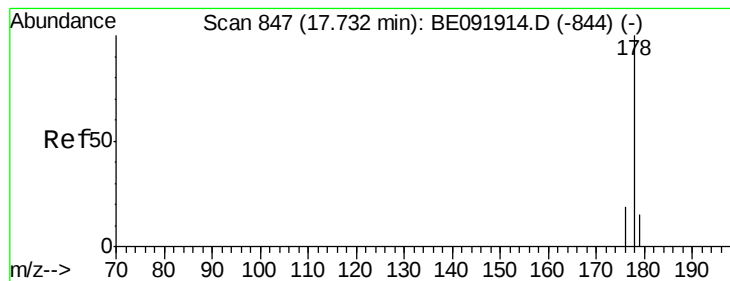
Tot Ion:188 Resp: 245319
Ion Ratio Lower Upper
188 100
94 6.3 4.1 6.1#
80 5.6 3.4 5.2#



#28
Phenanthrene
Concen: 0.23 ng
RT: 17.64 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE091952.D
Acq: 24 Jun 2016 18:35

Tgt Ion:178 Resp: 14248
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 19.0 12.9 19.3





#29

Anthracene

Concen: 0.08 ng/mL

RT: 17.73 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Instrument :

BNA_E

ClientSampleId :

NCHC-011

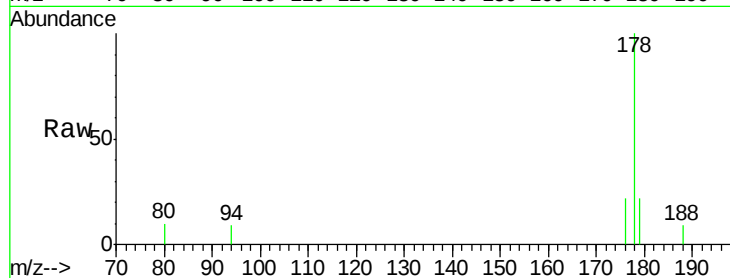
Tot Ion:178 Resp: 4233

Ion Ratio Lower Upper

178 100

176 65.0 15.1 22.7#

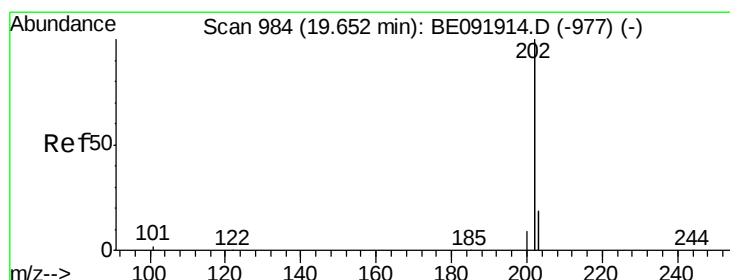
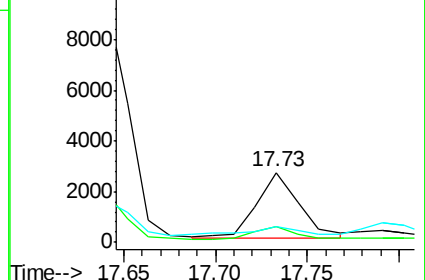
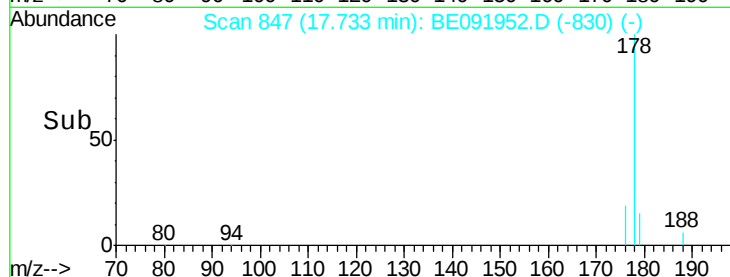
179 59.0 12.1 18.1#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#30

Fluoranthene

Concen: 0.48 ng

RT: 19.65 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

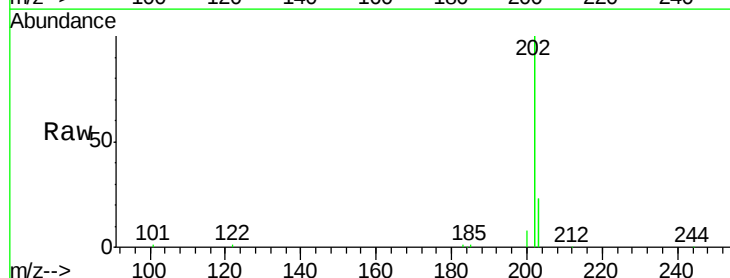
Tgt Ion:202 Resp: 126945

Ion Ratio Lower Upper

202 100

101 0.0 9.4 14.0#

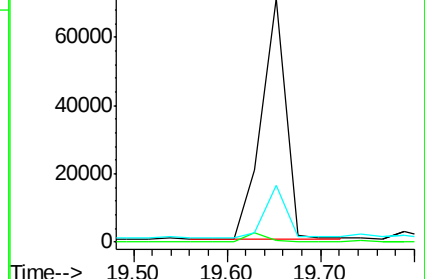
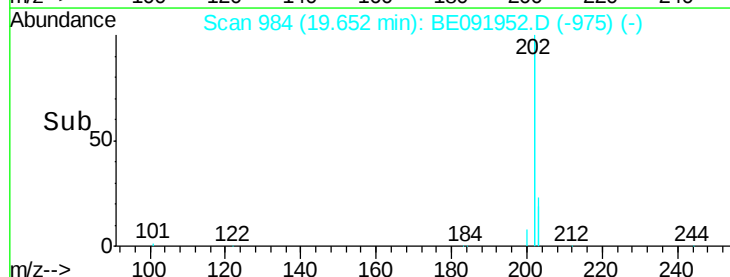
203 18.7 14.3 21.5

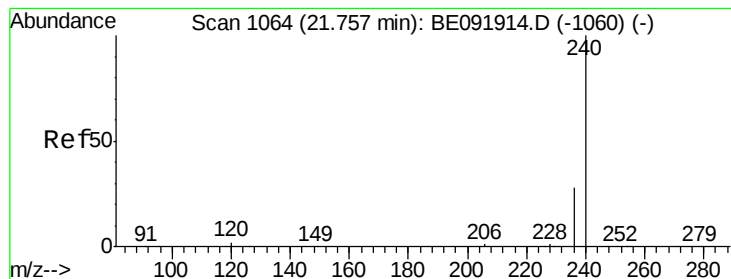


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Instrument :

BNA_E

ClientSampleId :

NCHC-011

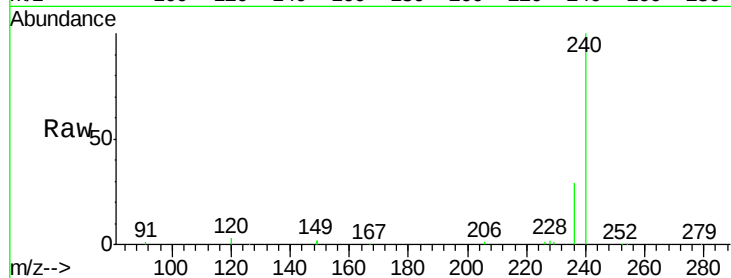
Tot Ion:240 Resp: 323132

Ion Ratio Lower Upper

240 100

120 2.6 1.2 1.8#

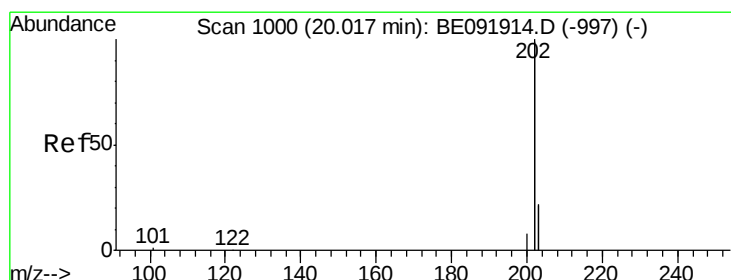
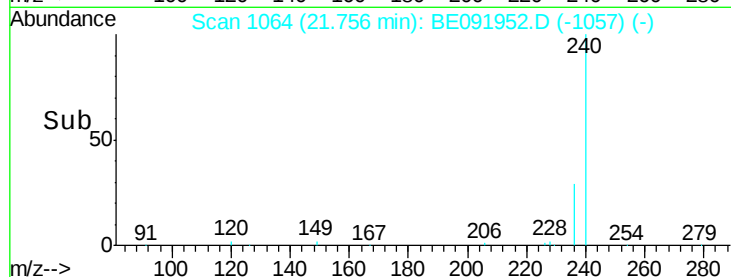
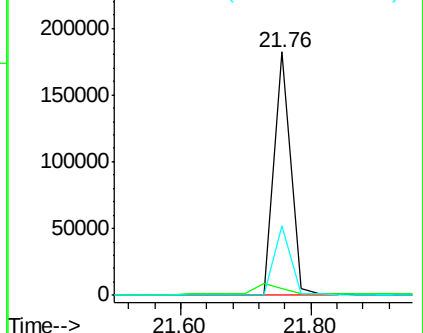
236 28.8 19.8 29.8



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



#33

Pyrene

Concen: 0.55 ng

RT: 20.02 min Scan# 1000

Delta R.T. 0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

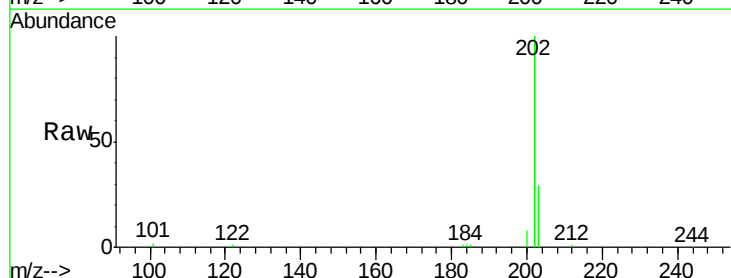
Tgt Ion:202 Resp: 121856

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

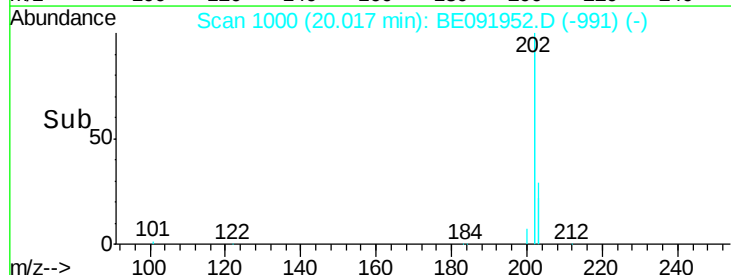
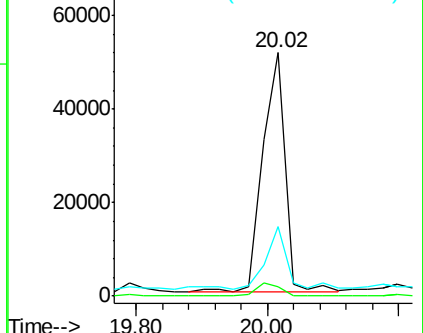
203 25.4 14.1 21.1#

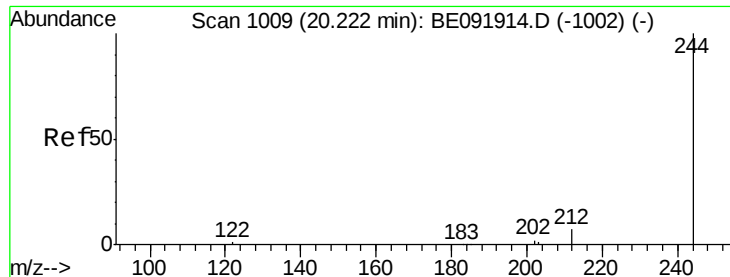


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#34

Terphenyl-d14

Concen: 3.31 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Instrument :

BNA_E

ClientSampled :

NCHC-011

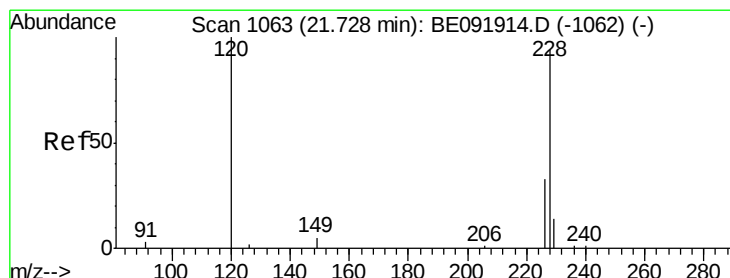
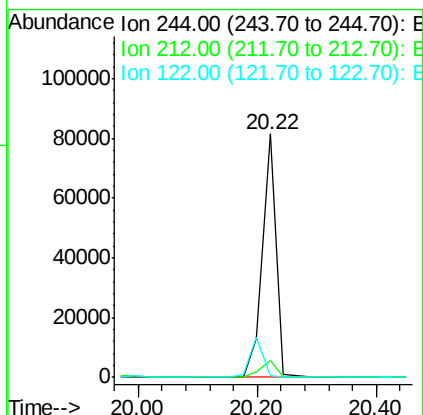
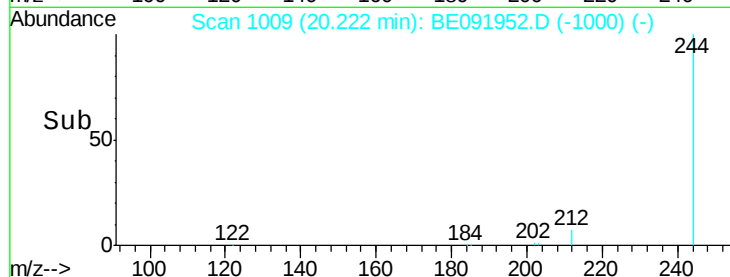
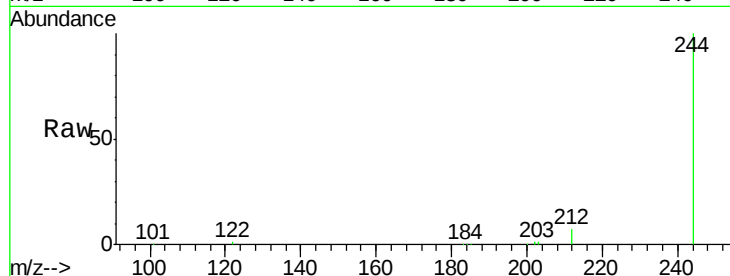
Tot Ion:244 Resp: 130960

Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 0.7 2.9 4.3#



#35

Benzo(a)anthracene

Concen: 0.32 ng m

RT: 21.73 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

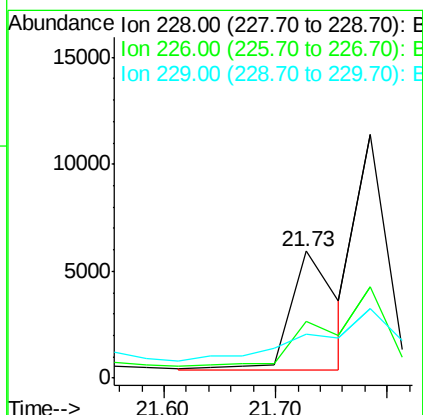
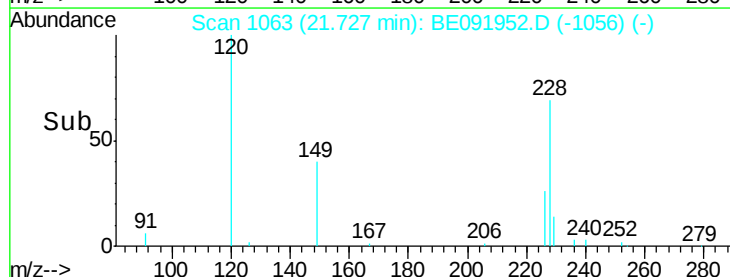
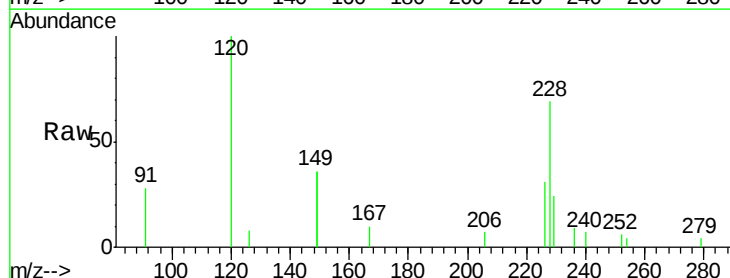
Tgt Ion:228 Resp: 16235

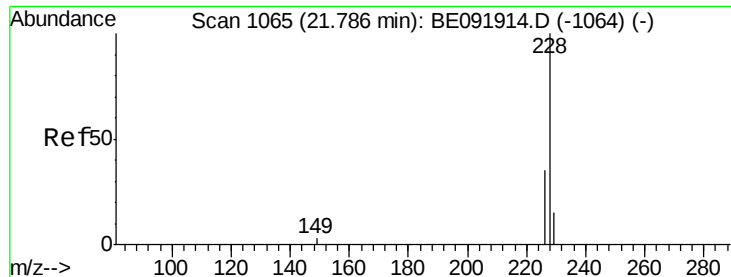
Ion Ratio Lower Upper

228 100

226 44.6 21.0 31.4#

229 35.1 15.8 23.8#





#37

Chrysene

Concen: 0.28 ng/mL

RT: 21.78 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Instrument:

BNA_E

ClientSampleID:

NCHC-011

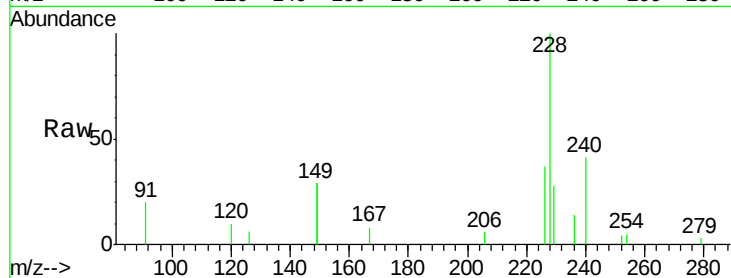
Tot Ion: 228 Resp: 20757

Ion Ratio Lower Upper

228 100

226 37.4 27.0 40.6

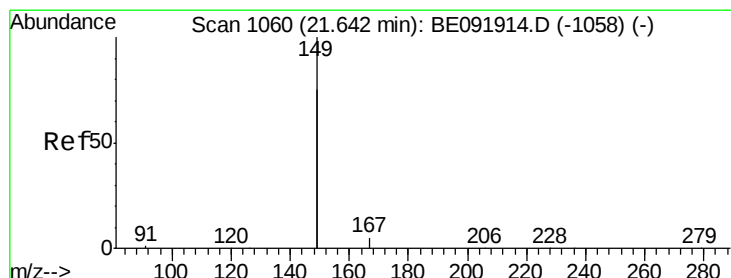
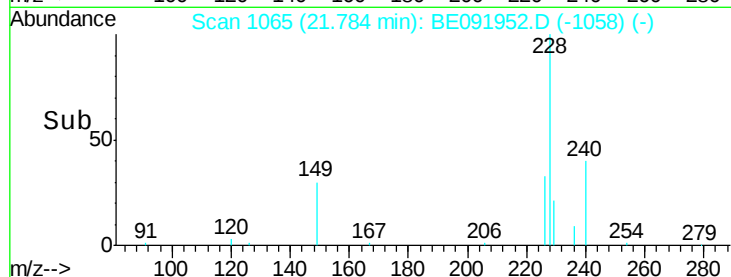
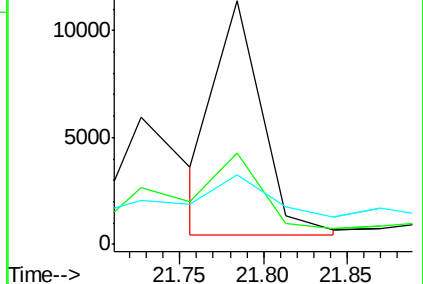
229 28.4 13.8 20.8#



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: 0.94 ng/mL

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

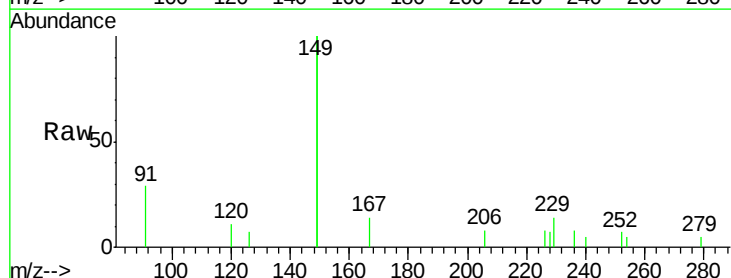
Tgt Ion: 149 Resp: 28823

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

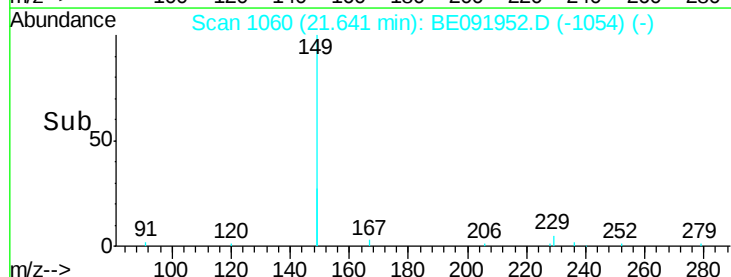
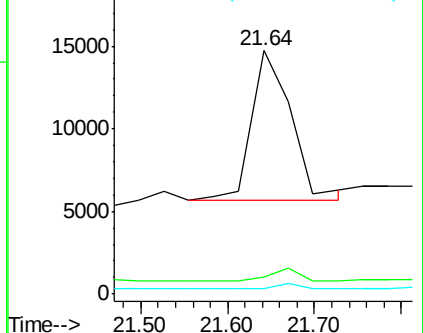
279 0.0 0.0 0.0

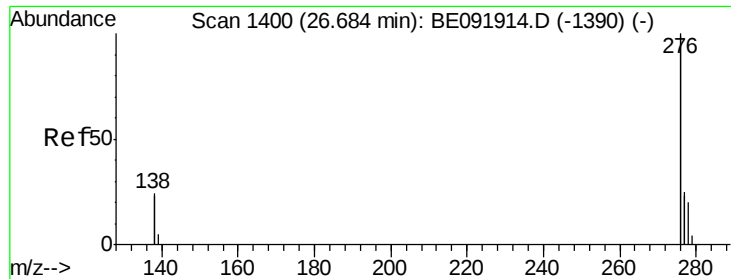


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

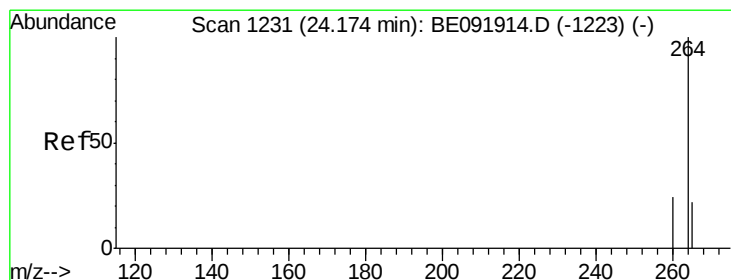
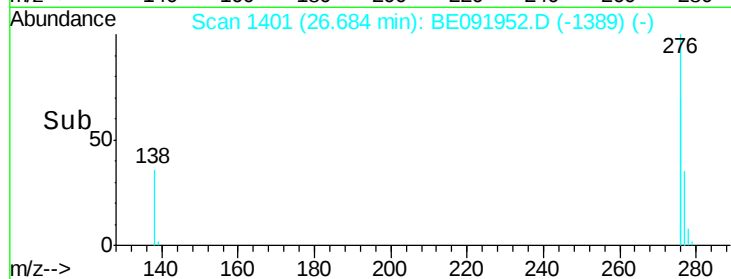
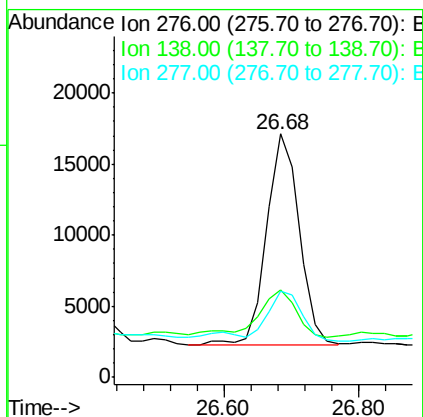
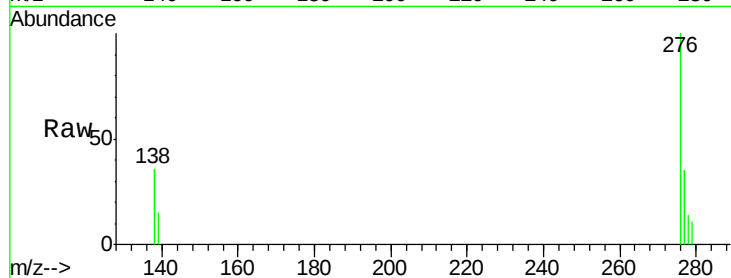




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.20 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091952.D
 Acq: 24 Jun 2016 18:35

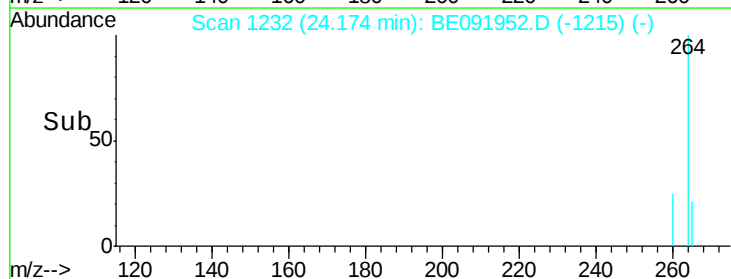
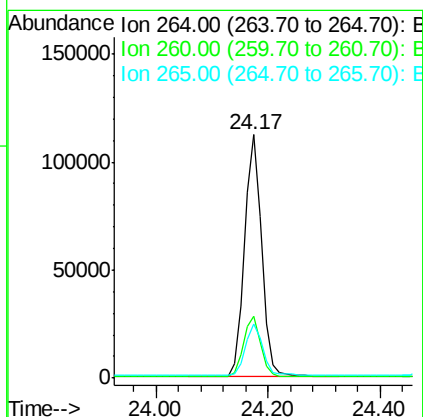
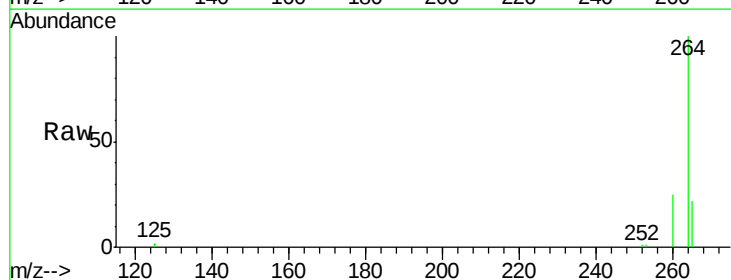
Instrument :
 BNA_E
 ClientSampleId :
 NCHC-011

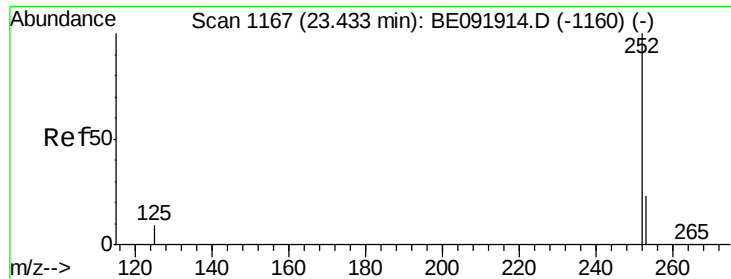
Tot Ion:276 Resp: 49821
 Ion Ratio Lower Upper
 276 100
 138 26.9 19.7 29.5
 277 24.1 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BE091952.D
 Acq: 24 Jun 2016 18:35

Tgt Ion:264 Resp: 242042
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.3 30.5
 265 22.2 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.42 ng m

RT: 23.43 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Instrument :

BNA_E

ClientSampleId :

NCHC-011

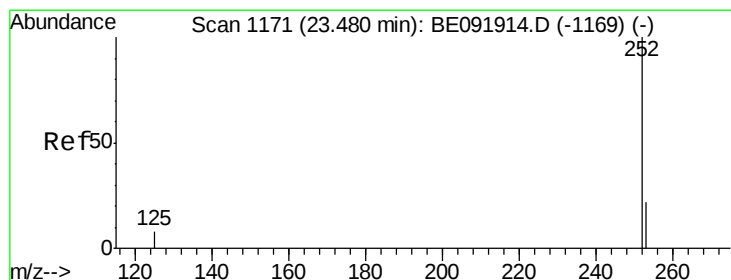
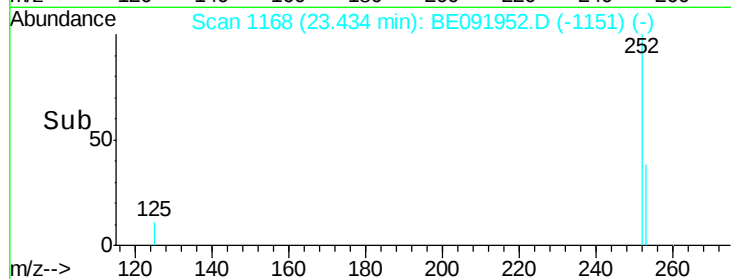
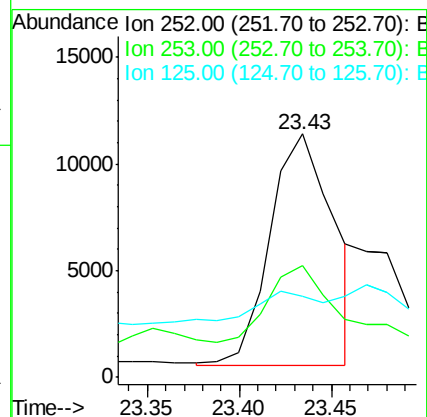
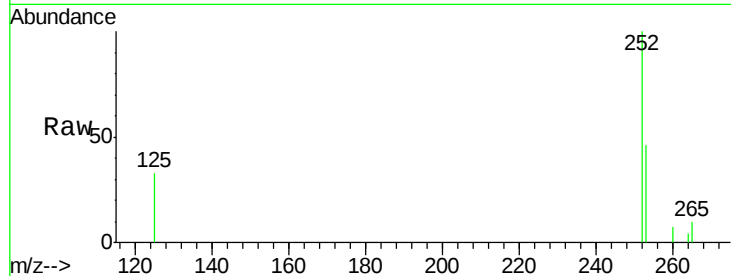
Tot Ion:252 Resp: 26222

Ion Ratio Lower Upper

252 100

253 46.1 17.8 26.6#

125 33.2 9.4 14.2#



#42

Benzo(k)fluoranthene

Concen: 0.18 ng m

RT: 23.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

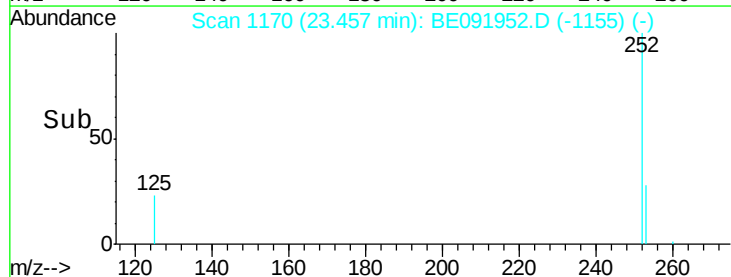
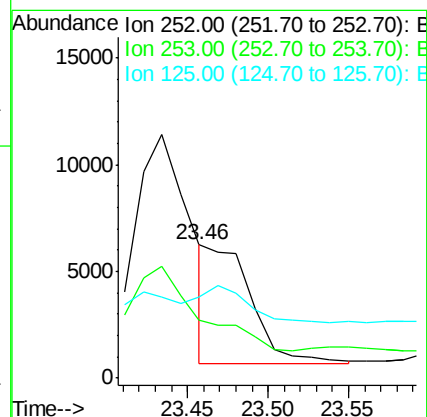
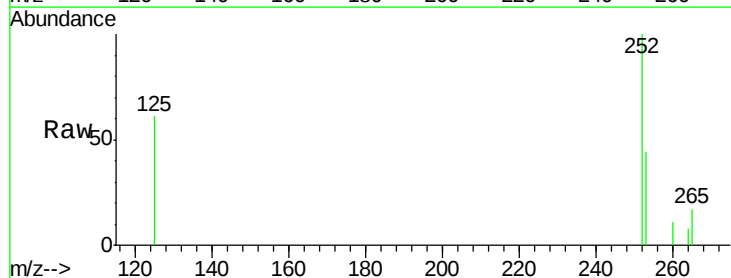
Tgt Ion:252 Resp: 10074

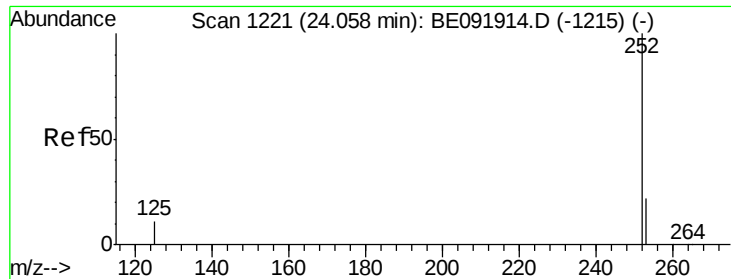
Ion Ratio Lower Upper

252 100

253 43.9 19.4 29.2#

125 60.9 8.3 12.5#





#43

Benzo(a)pyrene

Concen: 0.31 ng

RT: 24.06 min Scan# 1222

Delta R.T. -0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

Instrument :

BNA_E

ClientSampleId :

NCHC-011

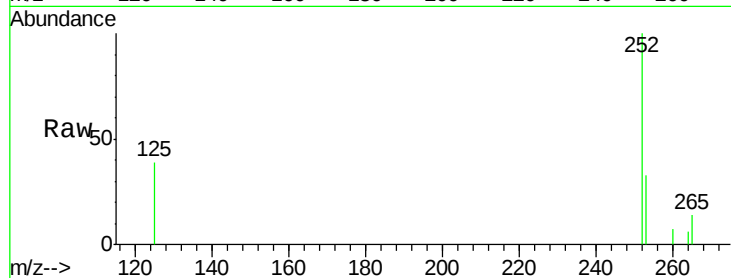
Tot Ion:252 Resp: 16955

Ion Ratio Lower Upper

252 100

253 33.3 18.9 28.3#

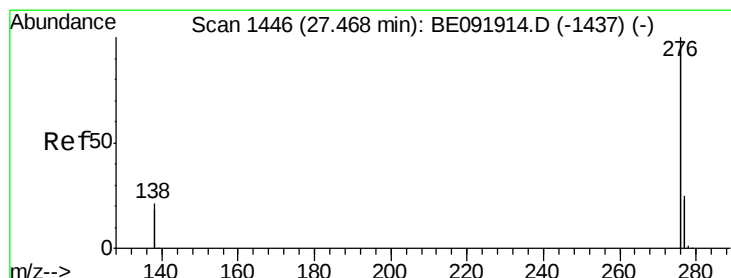
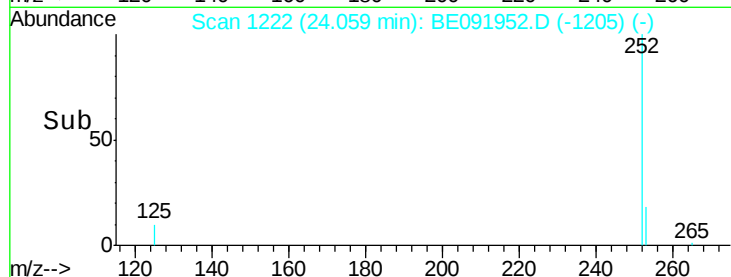
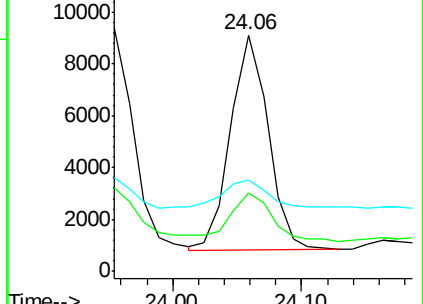
125 38.8 10.5 15.7#



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



#45

Benzo(g,h,i)perylene

Concen: 0.28 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091952.D

Acq: 24 Jun 2016 18:35

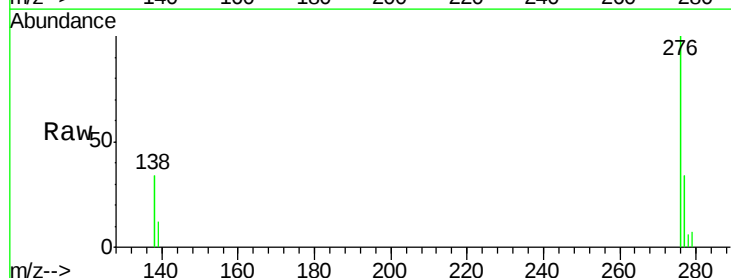
Tgt Ion:276 Resp: 61433

Ion Ratio Lower Upper

276 100

277 34.0 19.5 29.3#

138 33.6 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

