

Data Path : Z:\HPCHEM1\BNA E\DATA\BE062416\
 Data File : BE091944.D
 Acq On : 24 Jun 2016 13:34
 Operator : UM/SJ
 Sample : H3676-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008

Quant Time: Jun 24 17:26:43 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

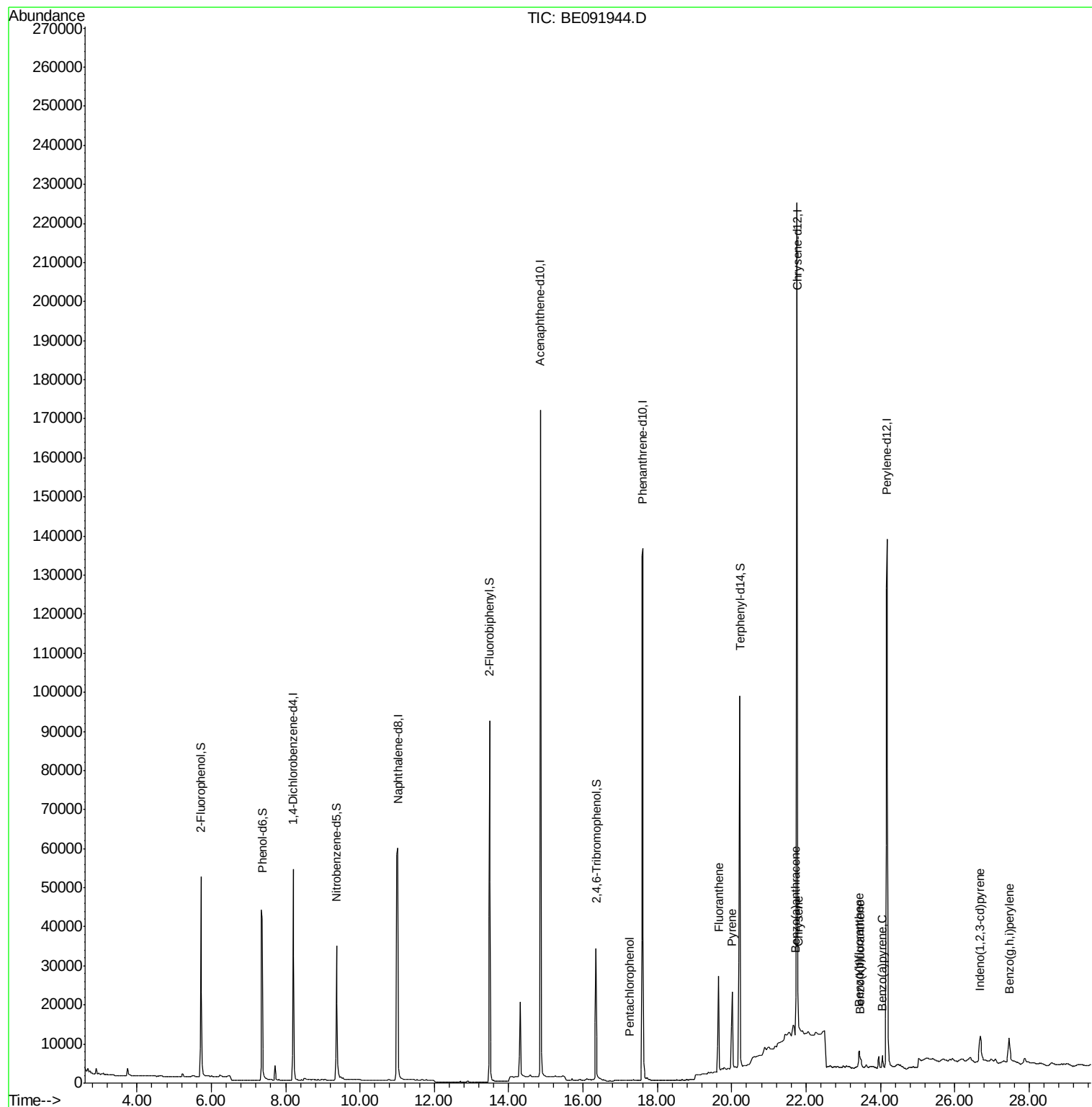
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	30449	5.00	ng	0.00
8) Naphthalene-d8	11.02	136	142574	5.00	ng	0.02
15) Acenaphthene-d10	14.86	164	106168	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	202418	5.00	ng	0.00
31) Chrysene-d12	21.76	240	289621	5.00	ng	0.00
40) Perylene-d12	24.17	264	212218	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	41869	7.03	ng	0.00
5) Phenol-d6	7.37	99	63916	6.56	ng	0.02
9) Nitrobenzene-d5	9.36	82	35460	3.60	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	17429	6.32	ng	0.00
17) 2-Fluorobiphenyl	13.48	172	91046	3.38	ng	0.00
34) Terphenyl-d14	20.22	244	135469	3.82	ng	0.00
Target Compounds						
27) Pentachlorophenol	17.26	266	92	0.11	ng	# 82
30) Fluoranthene	19.65	202	35462	0.16	ng	# 81
33) Pyrene	20.02	202	34584	0.18	ng	# 68
35) Benzo(a)anthracene	21.73	228	5107m	0.11	ng	
37) Chrysene	21.78	228	6205m	0.09	ng	
39) Indeno(1,2,3-cd)pyrene	26.68	276	16484	0.07	ng	# 87
41) Benzo(b)fluoranthene	23.43	252	7622m	0.14	ng	
42) Benzo(k)fluoranthene	23.46	252	3015m	0.06	ng	
43) Benzo(a)pyrene	24.06	252	4744	0.10	ng	# 25
45) Benzo(g,h,i)perylene	27.47	276	16728	0.09	ng	# 60

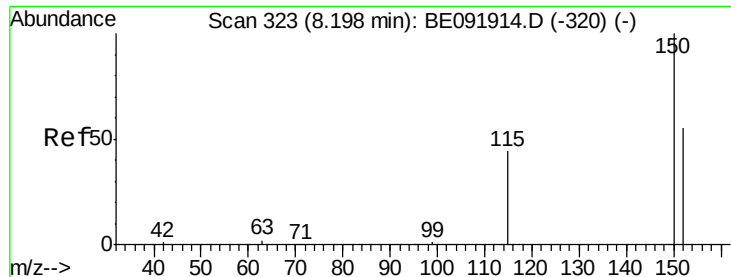
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091944.D

Acq: 24 Jun 2016 13:34

Instrument :

BNA_E

ClientSampleId :

NCHC-008

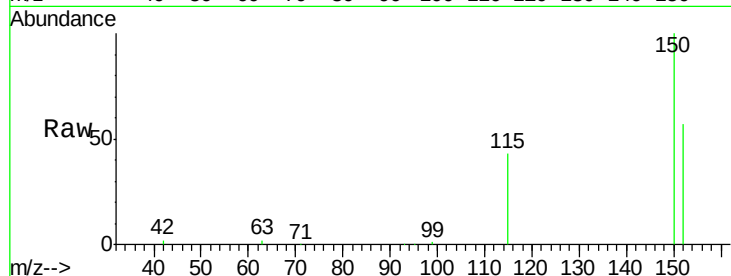
Tot Ion:152 Resp: 30449

Ion Ratio Lower Upper

152 100

150 174.8 123.9 185.9

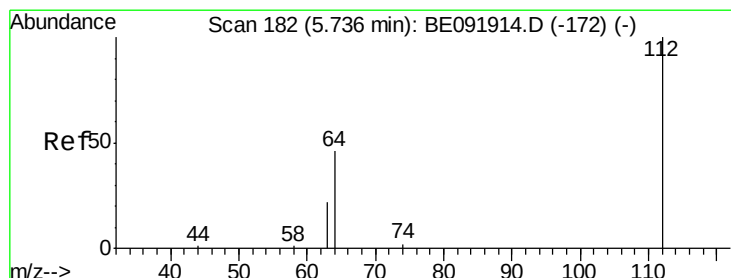
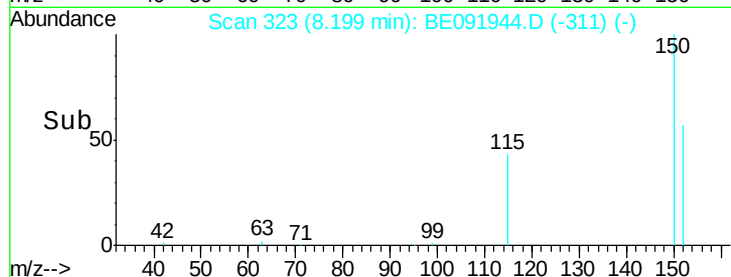
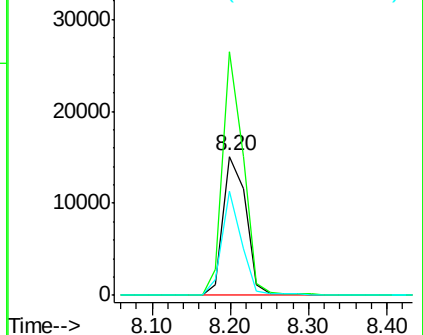
115 74.8 48.3 72.5#



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



#4

2-Fluorophenol

Concen: 7.03 ng

RT: 5.72 min Scan# 181

Delta R.T. -0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

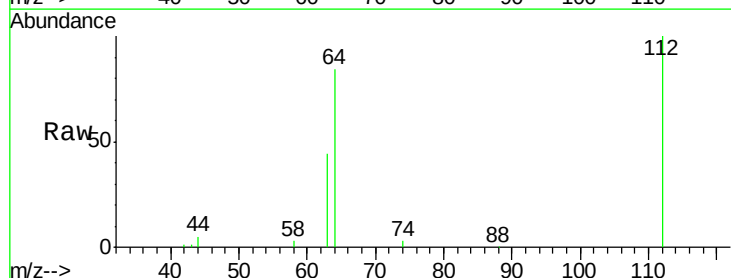
Tgt Ion:112 Resp: 41869

Ion Ratio Lower Upper

112 100

64 69.1 53.7 80.5

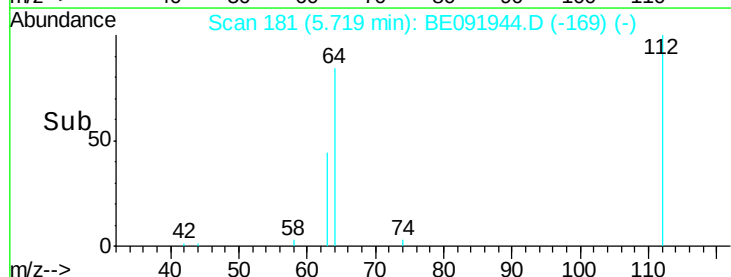
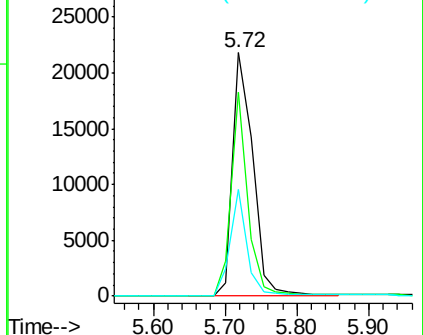
63 36.8 29.5 44.3

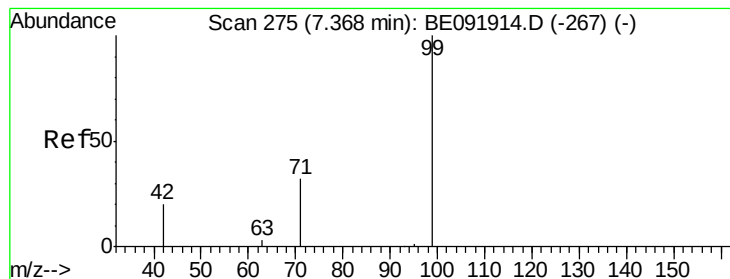


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.56 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

Instrument :

BNA_E

ClientSampleId :

NCHC-008

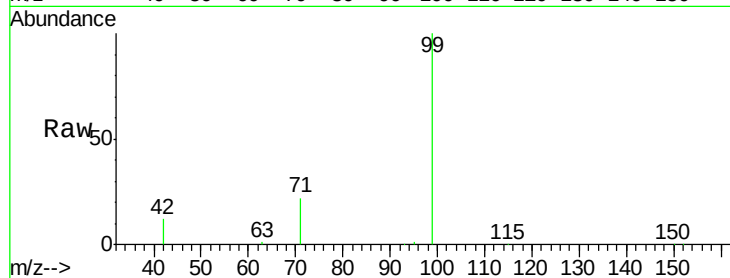
Tot Ion: 99 Resp: 63916

Ion Ratio Lower Upper

99 100

42 25.9 19.6 29.4

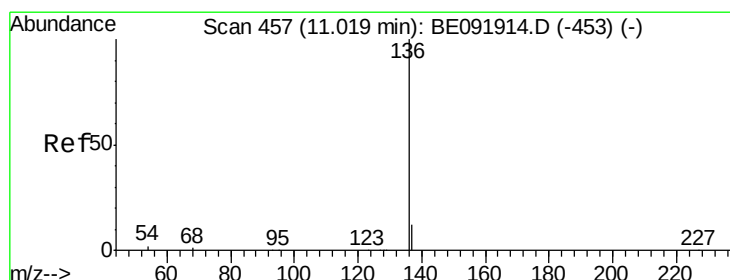
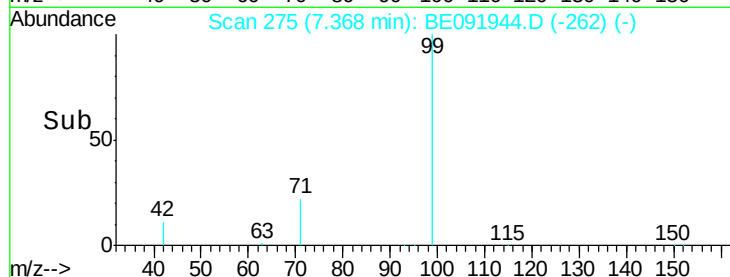
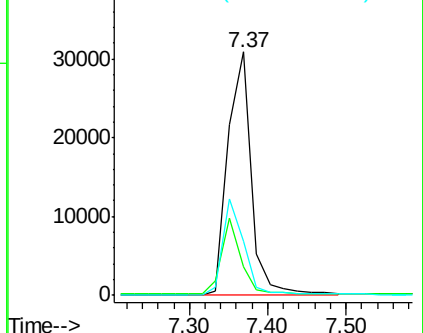
71 36.0 28.1 42.1



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. 0.02 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

Tgt Ion: 136 Resp: 142574

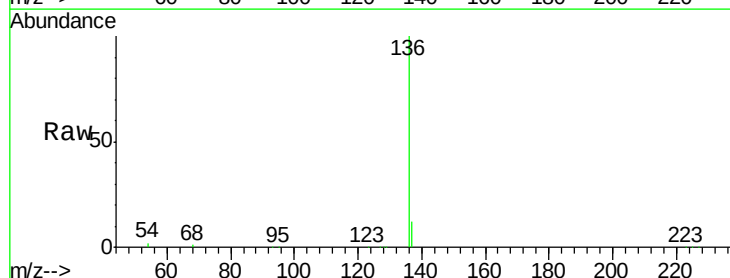
Ion Ratio Lower Upper

136 100

137 12.2 8.3 12.5

54 1.7 8.2 12.4#

68 1.5 5.9 8.9#

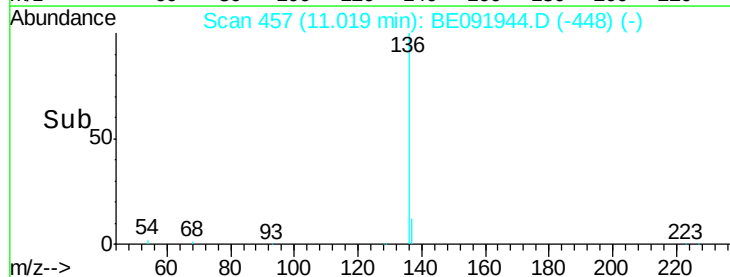
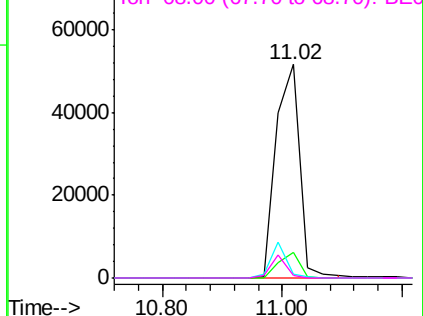


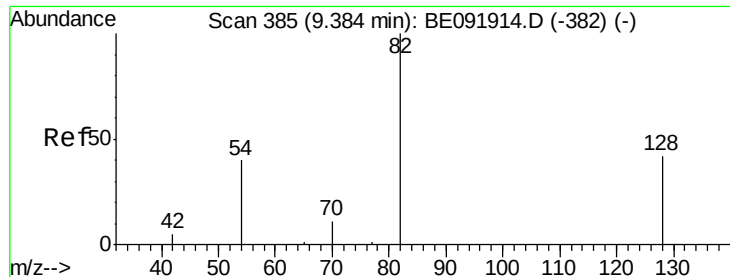
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.60 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

Instrument :

BNA_E

ClientSampleId :

NCHC-008

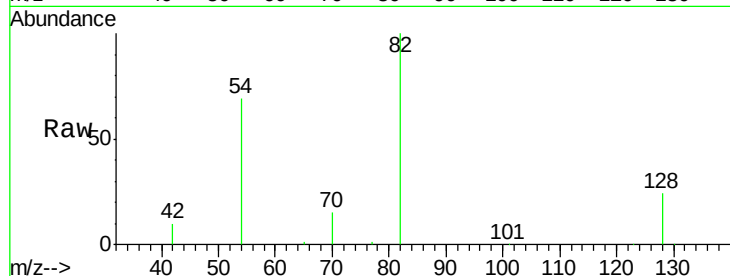
Tot Ion: 82 Resp: 35460

Ion Ratio Lower Upper

82 100

128 24.0 39.5 59.3#

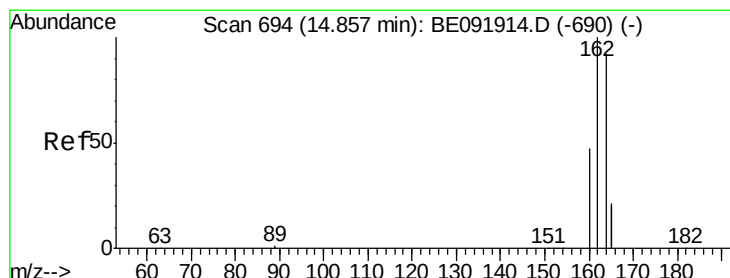
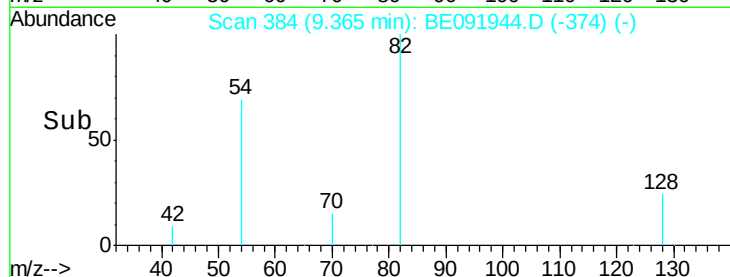
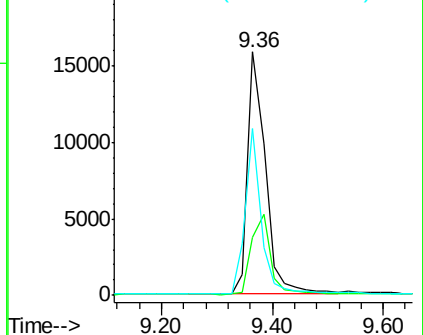
54 68.7 30.3 45.5#



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



#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

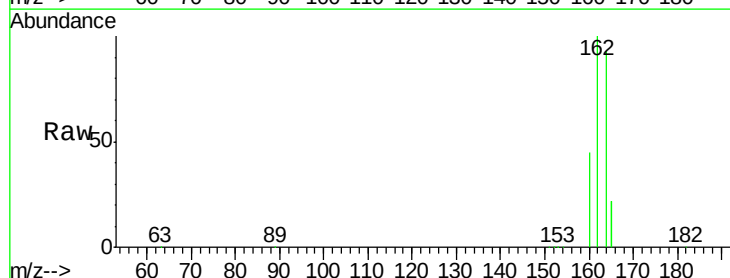
Tgt Ion:164 Resp: 106168

Ion Ratio Lower Upper

164 100

162 107.1 71.8 107.8

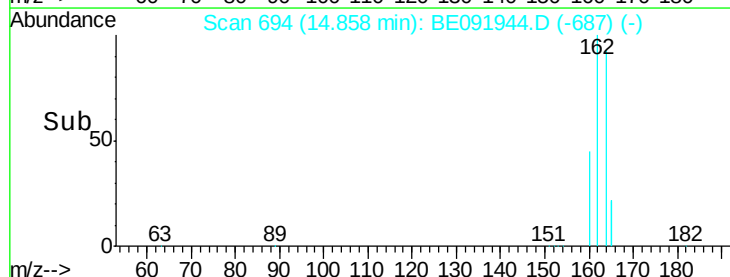
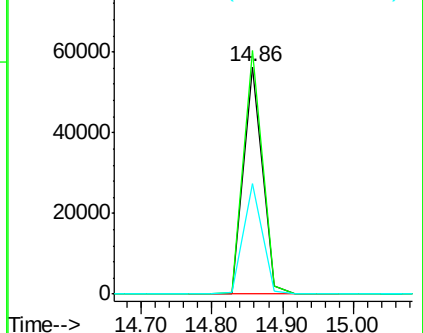
160 48.4 28.0 42.0#

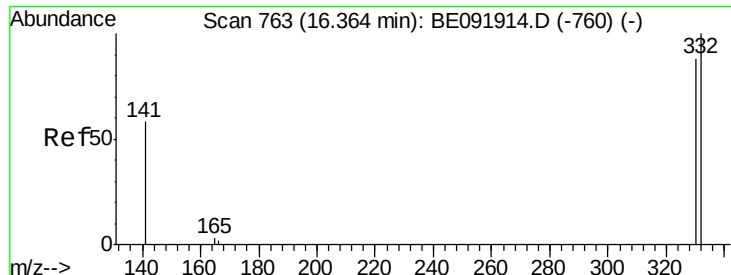


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

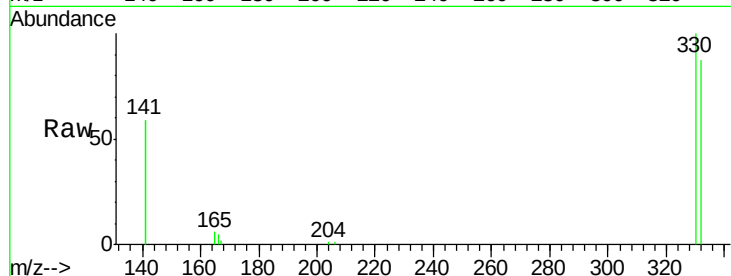




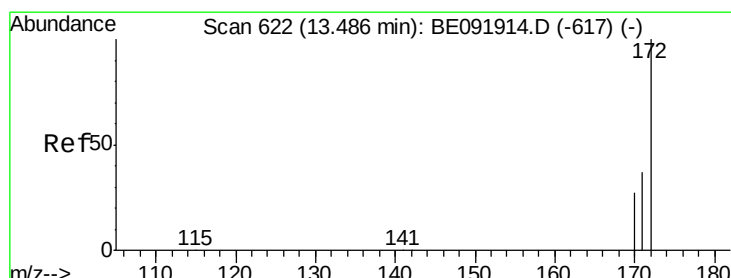
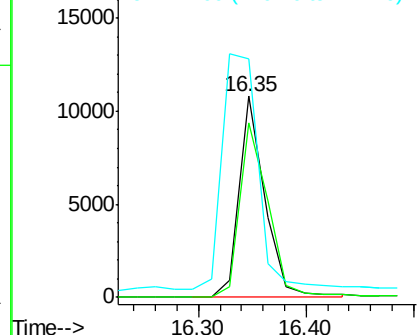
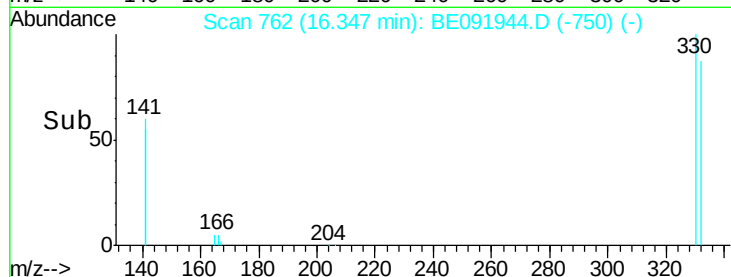
#16
 2,4,6-Tribromophenol
 Concen: 6.32 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE091944.D
 Acq: 24 Jun 2016 13:34

Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008

Tot Ion:330 Resp: 17429
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 171.2 138.4 207.6

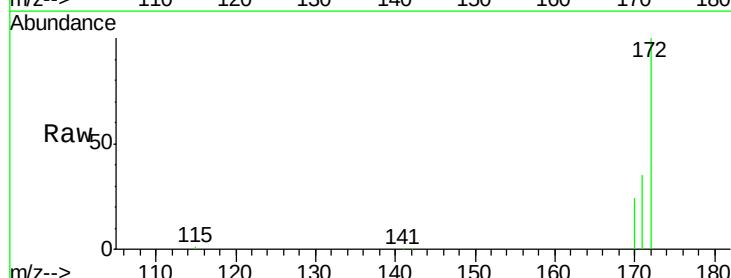


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

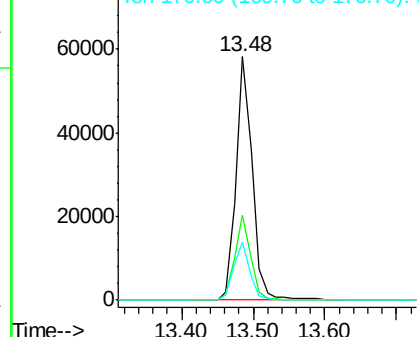
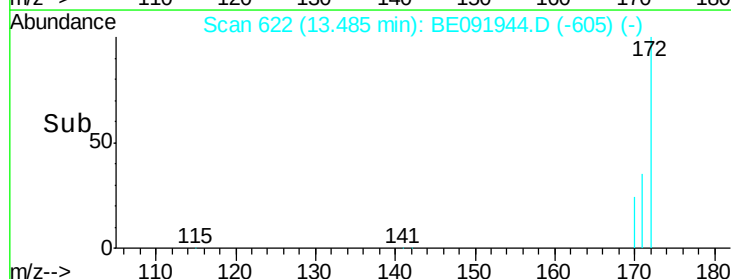


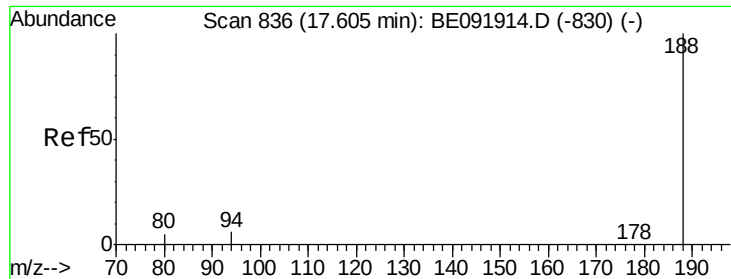
#17
 2-Fluorobiphenyl
 Concen: 3.38 ng
 RT: 13.48 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091944.D
 Acq: 24 Jun 2016 13:34

Tgt Ion:172 Resp: 91046
 Ion Ratio Lower Upper
 172 100
 171 34.6 24.3 36.5
 170 23.8 14.9 22.3#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

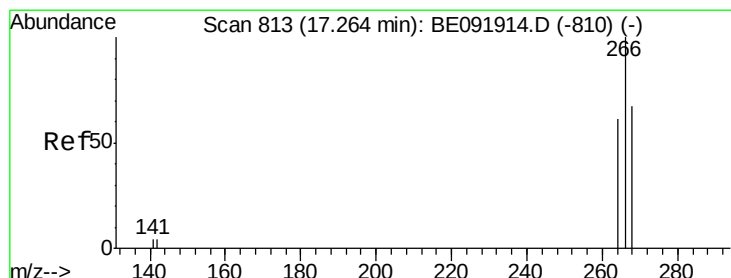
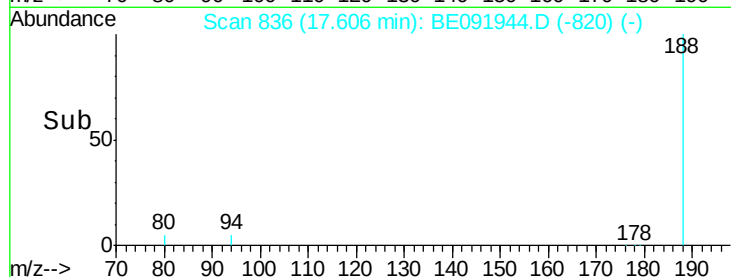
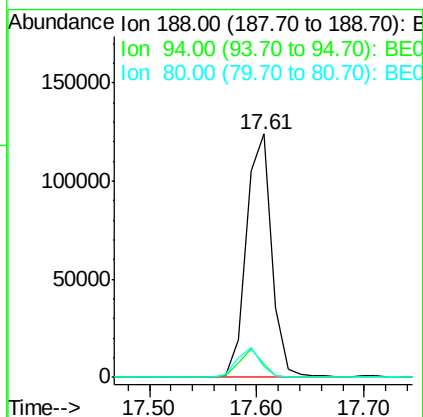
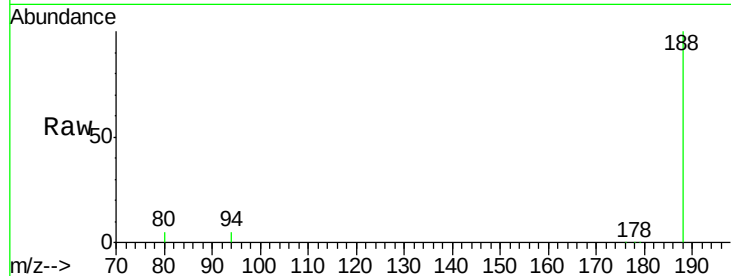




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091944.D
Acq: 24 Jun 2016 13:34

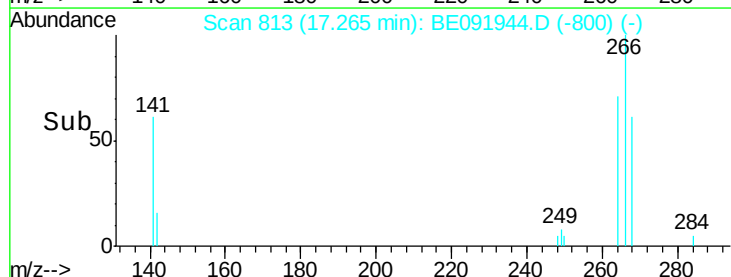
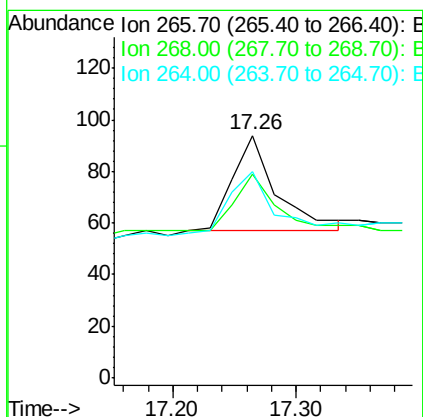
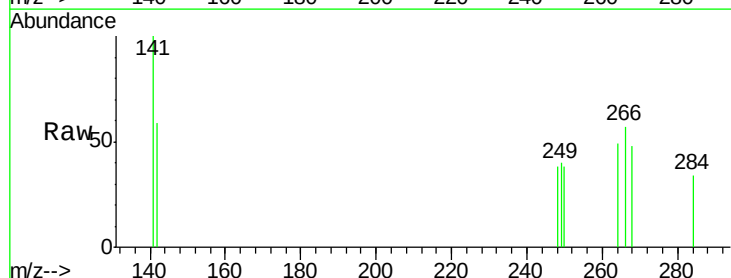
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ClientSampleId :
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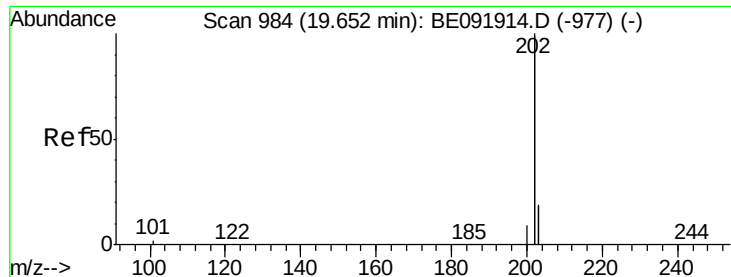
Tot Ion:188 Resp: 202418
Ion Ratio Lower Upper
188 100
94 5.4 4.1 6.1
80 4.6 3.4 5.2



#27
Pentachlorophenol
Concen: 0.11 ng
RT: 17.26 min Scan# 813
Delta R.T. 0.02 min
Lab File: BE091944.D
Acq: 24 Jun 2016 13:34

Tgt Ion:266 Resp: 92
Ion Ratio Lower Upper
266 100
268 84.0 60.5 90.7
264 85.1 51.0 76.4#

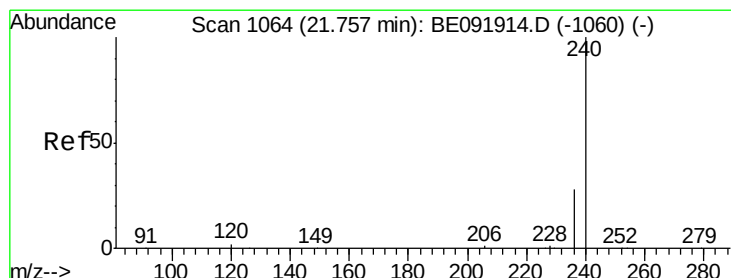
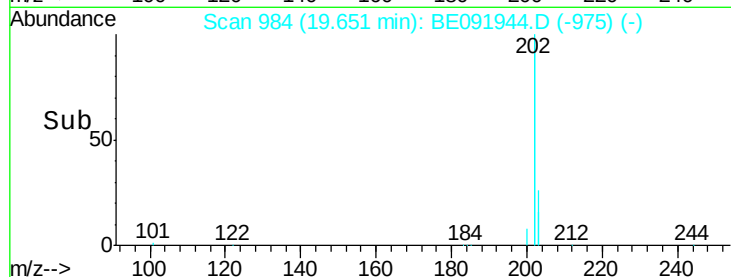
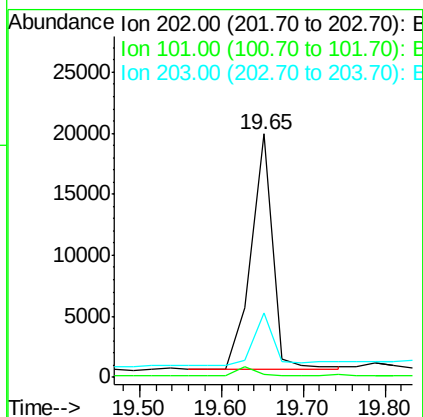
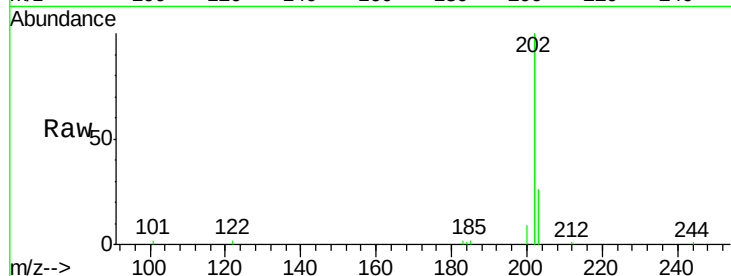




#30
Fluoranthene
Concen: 0.16 ng
RT: 19.65 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE091944.D
Acq: 24 Jun 2016 13:34

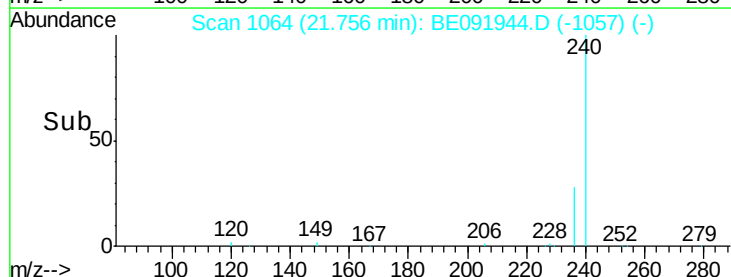
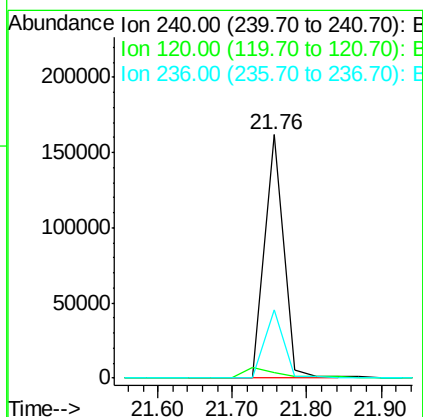
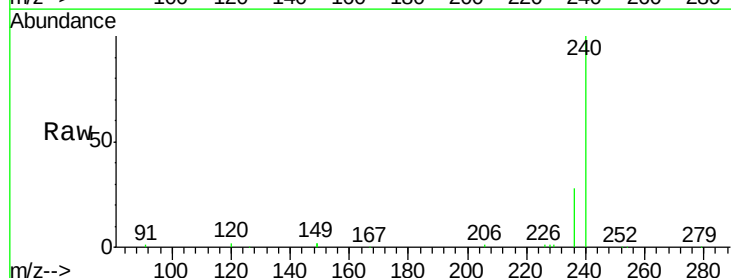
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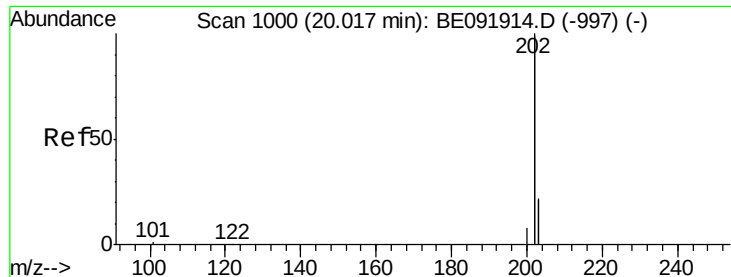
Tot Ion:202 Resp: 35462
Ion Ratio Lower Upper
202 100
101 0.0 9.4 14.0#
203 22.7 14.3 21.5#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE091944.D
Acq: 24 Jun 2016 13:34

Tgt Ion:240 Resp: 289621
Ion Ratio Lower Upper
240 100
120 2.5 1.2 1.8#
236 28.3 19.8 29.8

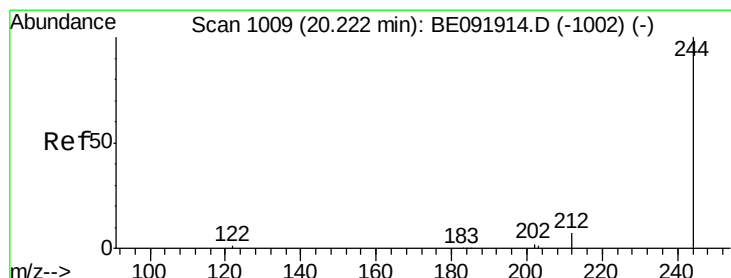
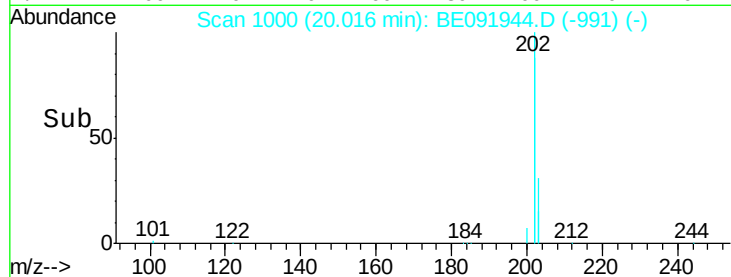
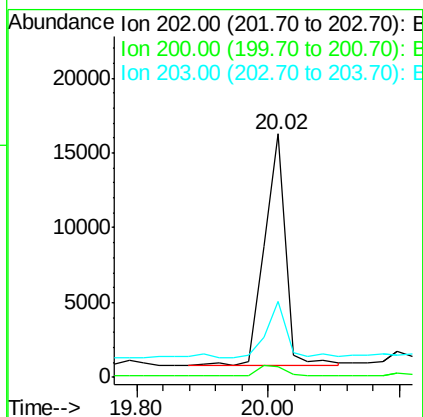
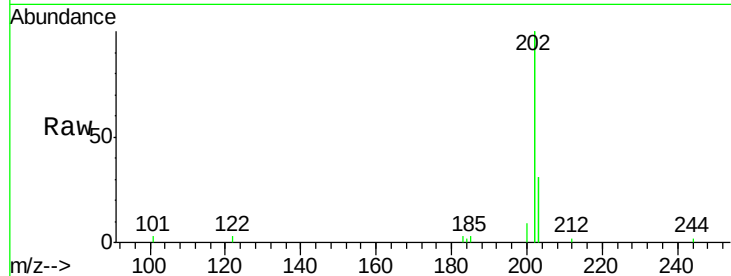




#33
Pvrene
Concen: 0.18 ng
RT: 20.02 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BE091944.D
Acq: 24 Jun 2016 13:34

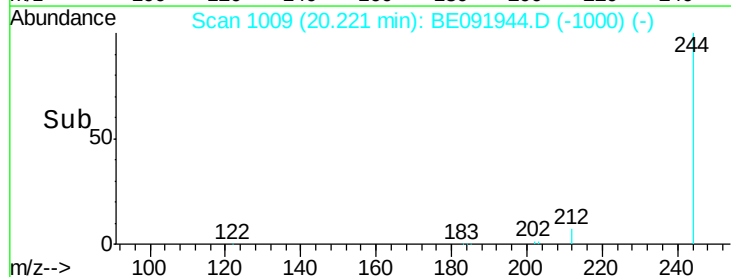
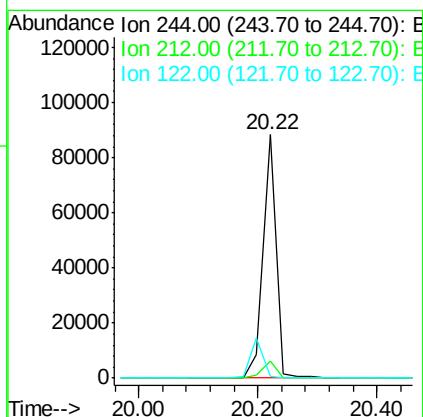
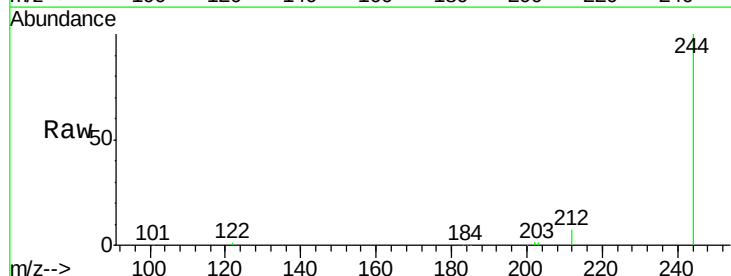
Instrument :
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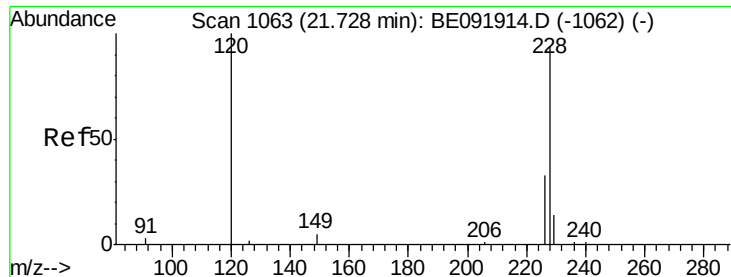
Tot Ion:202 Resp: 34584
Ion Ratio Lower Upper
202 100
200 0.0 16.9 25.3#
203 24.4 14.1 21.1#



#34
Terphenyl-d14
Concen: 3.82 ng
RT: 20.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE091944.D
Acq: 24 Jun 2016 13:34

Tgt Ion:244 Resp: 135469
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: 0.11 ng m

RT: 21.73 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

Instrument :

BNA_E

ClientSampleId :

NCHC-008

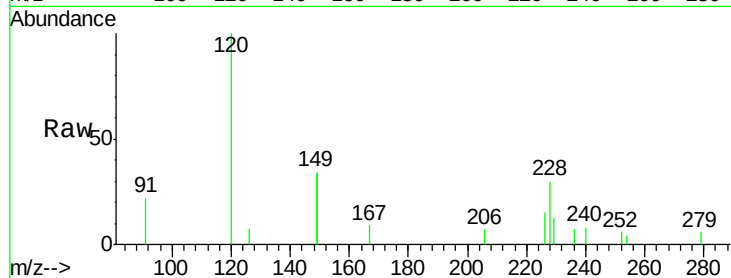
Tot Ion:228 Resp: 5107

Ion Ratio Lower Upper

228 100

226 49.5 21.0 31.4#

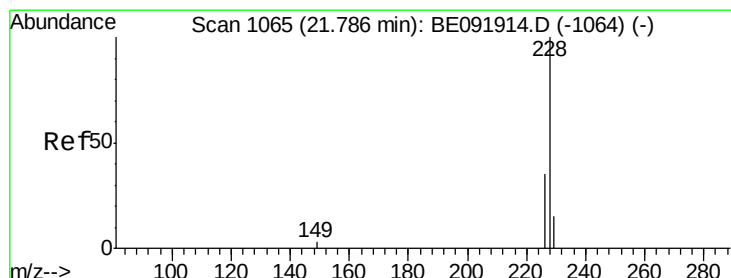
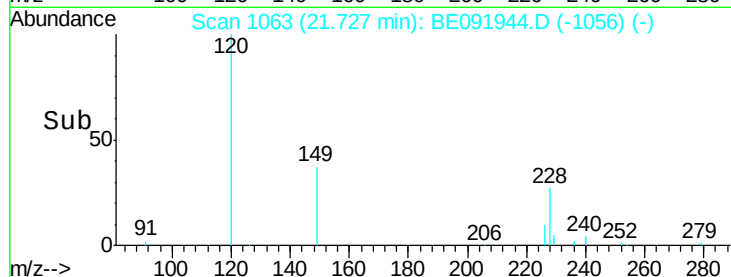
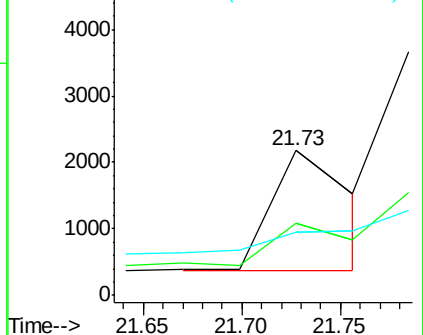
229 43.3 15.8 23.8#



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



#37

Chrysene

Concen: 0.09 ng m

RT: 21.78 min Scan# 1065

Delta R.T. -0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

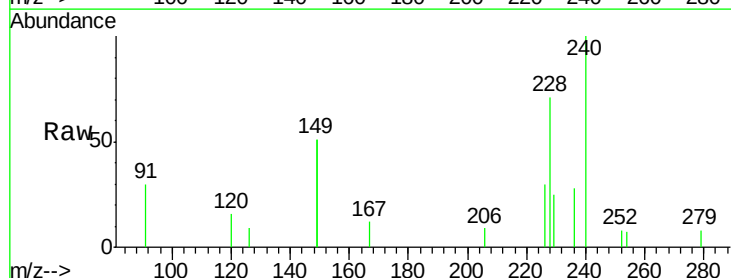
Tgt Ion:228 Resp: 6205

Ion Ratio Lower Upper

228 100

226 42.1 27.0 40.6#

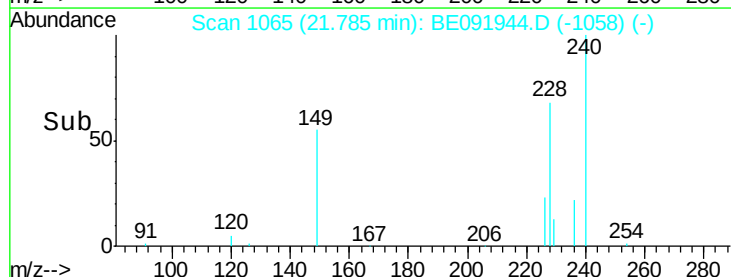
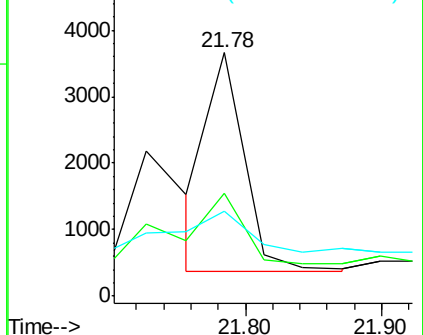
229 34.7 13.8 20.8#

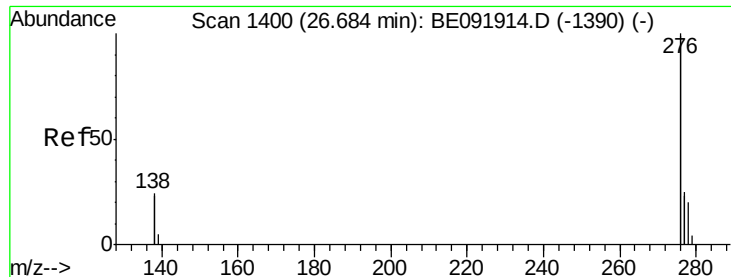


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

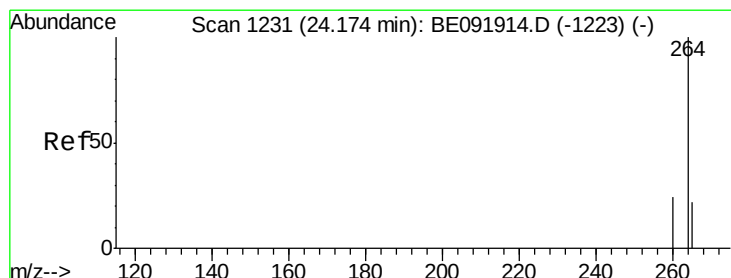
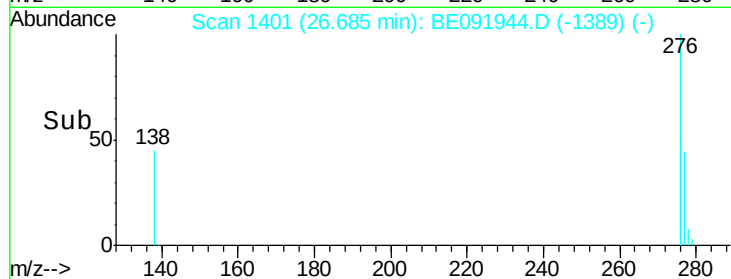
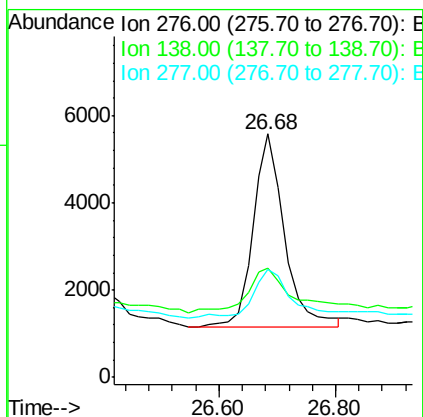
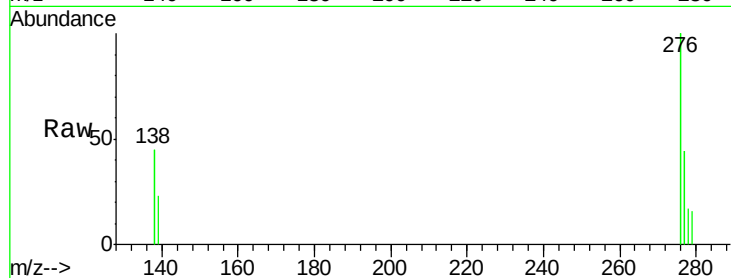




#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng
 RT: 26.68 min Scan# 1401
 Delta R.T. -0.00 min
 Lab File: BE091944.D
 Acq: 24 Jun 2016 13:34

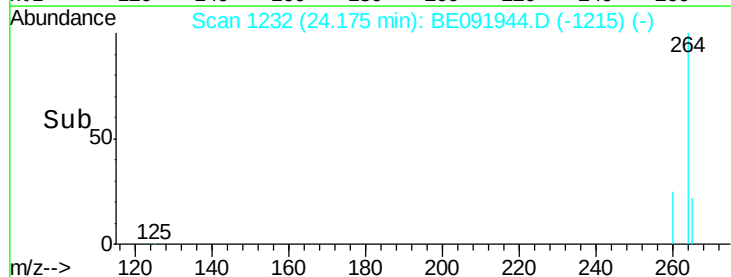
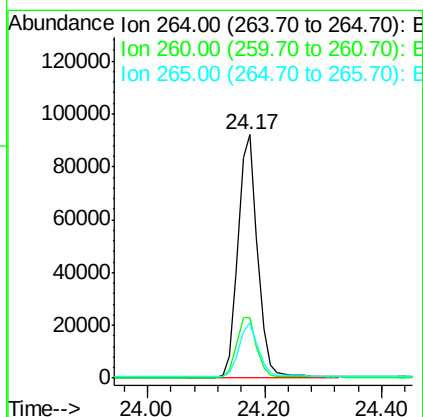
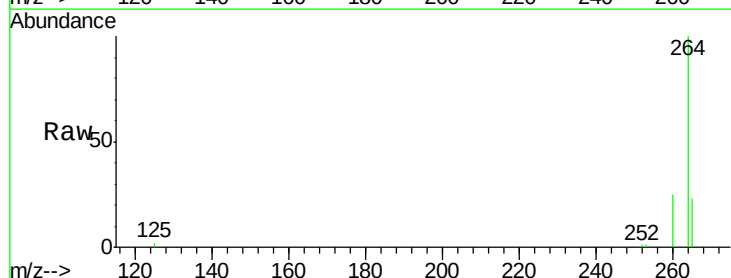
Instrument :
 BNA_E
 ClientSampleId :
 NCHC-008

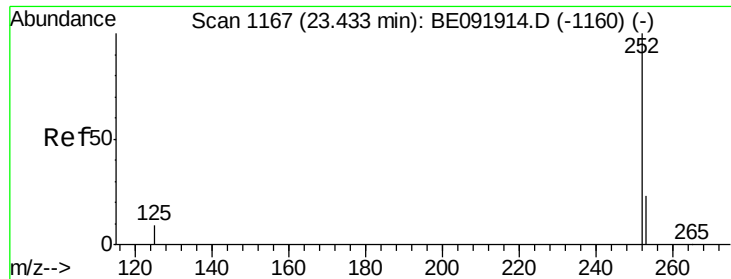
Tot Ion:276 Resp: 16484
 Ion Ratio Lower Upper
 276 100
 138 34.1 19.7 29.5#
 277 28.4 20.1 30.1



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.17 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BE091944.D
 Acq: 24 Jun 2016 13:34

Tgt Ion:264 Resp: 212218
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.3 30.5
 265 22.7 17.6 26.4





#41

Benzo(b)fluoranthene

Concen: 0.14 ng m

RT: 23.43 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

Instrument :

BNA_E

ClientSampleId :

NCHC-008

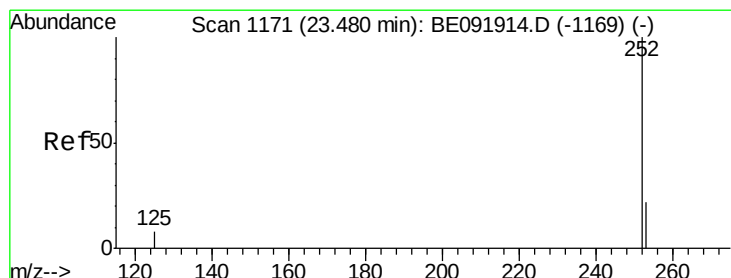
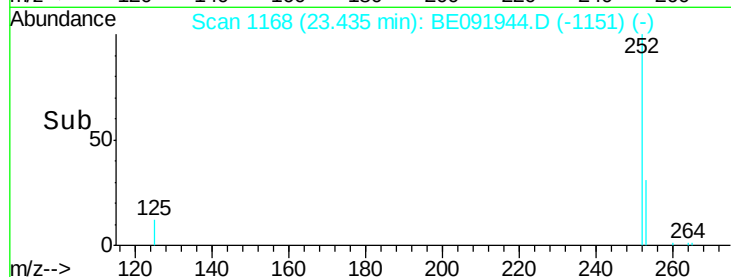
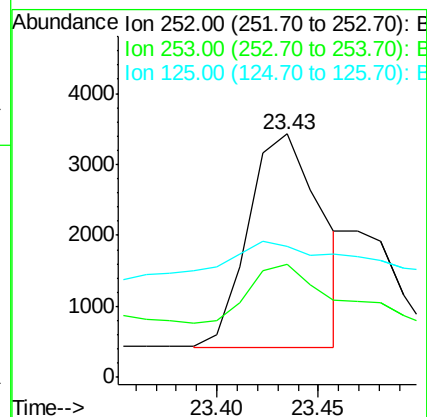
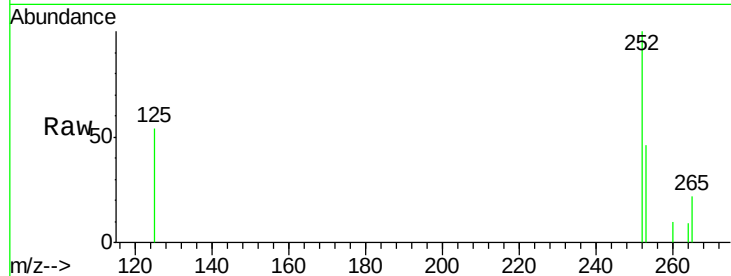
Tot Ion:252 Resp: 7622

Ion Ratio Lower Upper

252 100

253 46.2 17.8 26.6#

125 53.8 9.4 14.2#



#42

Benzo(k)fluoranthene

Concen: 0.06 ng m

RT: 23.46 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

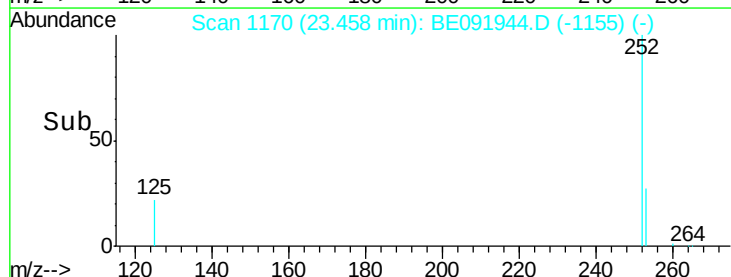
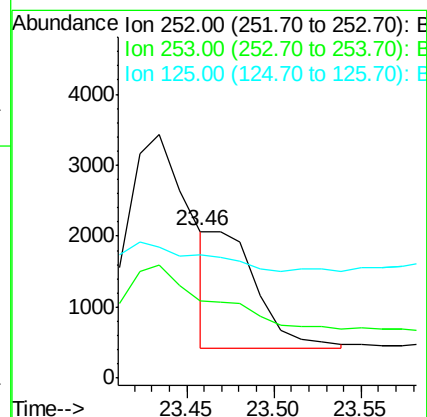
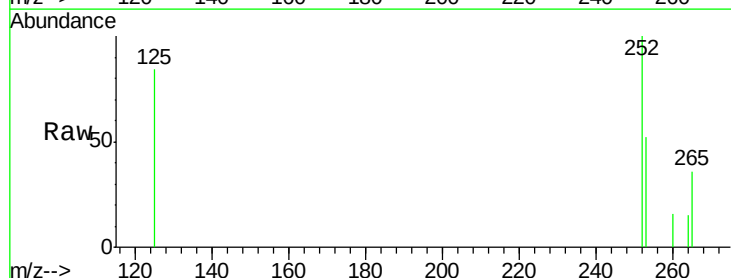
Tgt Ion:252 Resp: 3015

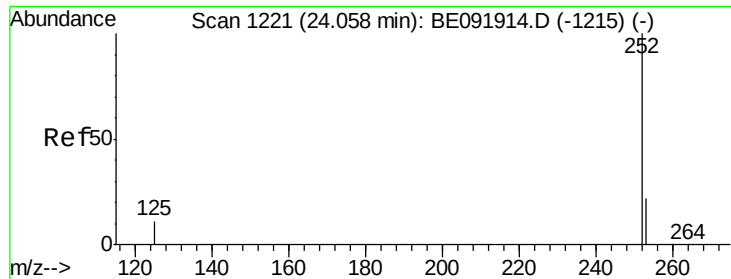
Ion Ratio Lower Upper

252 100

253 52.5 19.4 29.2#

125 84.4 8.3 12.5#





#43

Benzo(a)pyrene

Concen: 0.10 ng

RT: 24.06 min Scan# 1222

Delta R.T. 0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

Instrument :

BNA_E

ClientSampleId :

NCHC-008

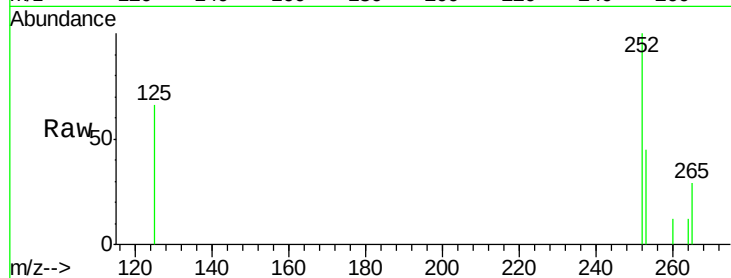
Tot Ion:252 Resp: 4744

Ion Ratio Lower Upper

252 100

253 44.6 18.9 28.3#

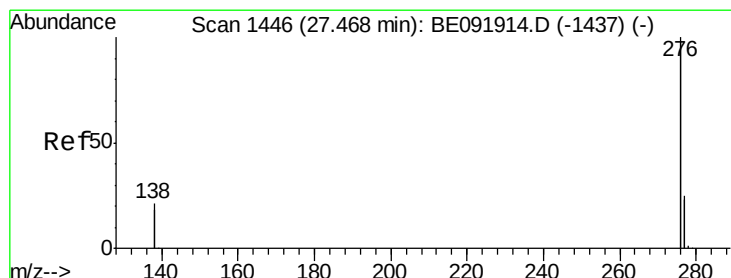
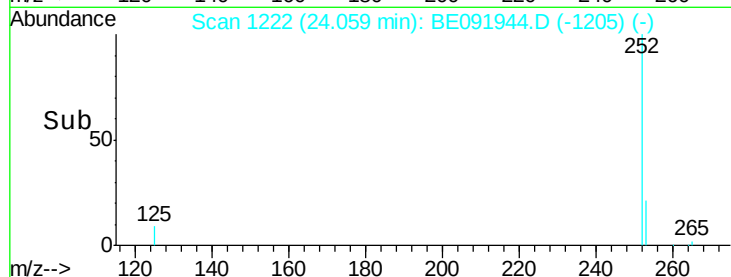
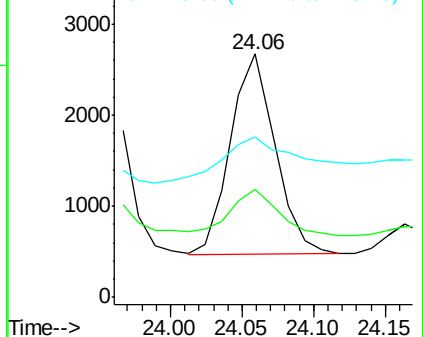
125 65.8 10.5 15.7#



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: 0.09 ng

RT: 27.47 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BE091944.D

Acq: 24 Jun 2016 13:34

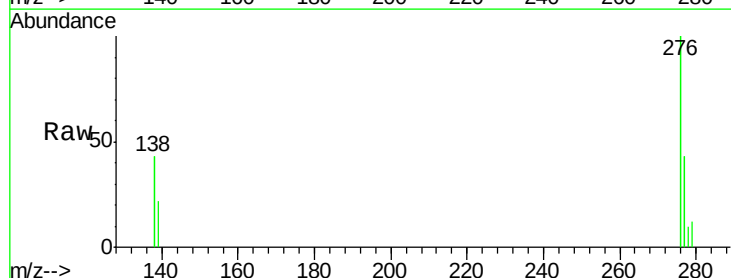
Tgt Ion:276 Resp: 16728

Ion Ratio Lower Upper

276 100

277 42.9 19.5 29.3#

138 42.6 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

