

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061615\
 Data File : BF080014.D
 Acq On : 17 Jun 2015 5:29
 Operator : TP/IZ
 Sample : G2651-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-001

Quant Time: Jun 17 06:52:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 15:44:31 2015
 Response via : Initial Calibration

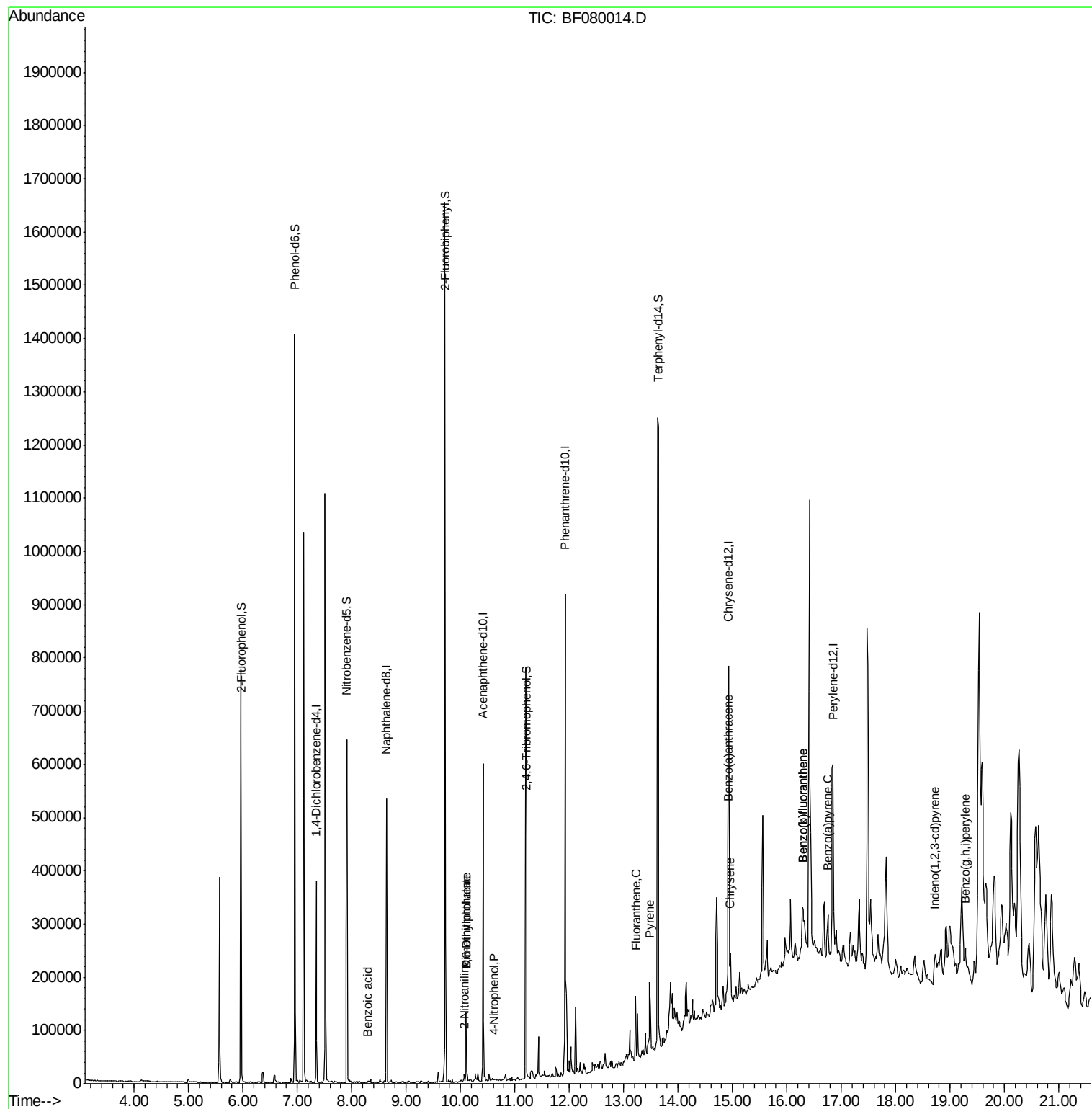
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	51810	20.00	ng	0.00
21) Naphthalene-d8	8.64	136	207937	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	106800	20.00	ng	0.00
63) Phenanthrene-d10	11.92	188	216526	20.00	ng	0.00
75) Chrysene-d12	14.93	240	247218	20.00	ng	0.02
86) Perylene-d12	16.85	264	246005	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.97	112	283079	100.19	ng	0.01
7) Phenol-d6	6.95	99	399064	103.67	ng	0.00
23) Nitrobenzene-d5	7.91	82	216683	68.75	ng	0.00
41) 2,4,6-Tribromophenol	11.21	330	98799	92.72	ng	0.00
44) 2-Fluorobiphenyl	9.72	172	462261	60.61	ng	0.00
78) Terphenyl-d14	13.64	244	583037	54.37	ng	0.01
Target Compounds						Qvalue
32) Benzoic acid	8.30	122	347	8.77	ng	89
47) 2-Nitroaniline	10.07	65	239	4.42	ng	# 14
49) Dimethylphthalate	10.10	163	45013	5.26	ng	98
50) 2,6-Dinitrotoluene	10.10	165	470	3.33	ng	# 14
55) 4-Nitrophenol	10.62	139	314	2.78	ng	# 1
74) Fluoranthene	13.23	202	66427	4.66	ng	96
77) Pyrene	13.48	202	61445	3.96	ng	98
80) Benzo(a)anthracene	14.92	228	38945	2.48	ng	93
82) Chrysene	14.96	228	49235	2.39	ng	97
85) Indeno(1,2,3-cd)pyrene	18.72	276	39302	2.39	ng	# 94
87) Benzo(b)fluoranthene	16.29	252	99368	6.59	ng	# 89
88) Benzo(k)fluoranthene	16.29	252	99368	6.46	ng	# 89
89) Benzo(a)pyrene	16.76	252	44605	3.11	ng	# 94
91) Benzo(g,h,i)perylene	19.28	276	45167	3.10	ng	96

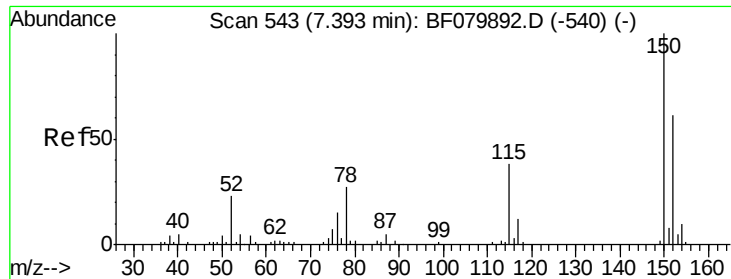
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

NC-TS-001

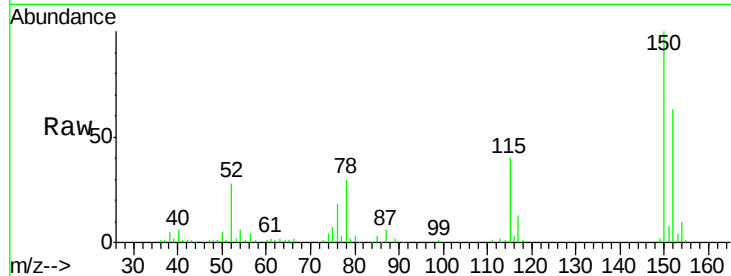
Tgt Ion:152 Resp: 51810

Ion Ratio Lower Upper

152 100

150 159.4 131.0 196.4

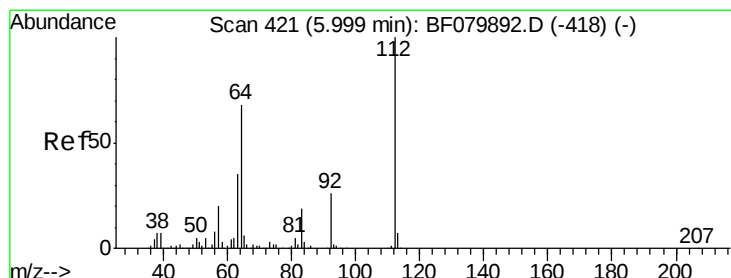
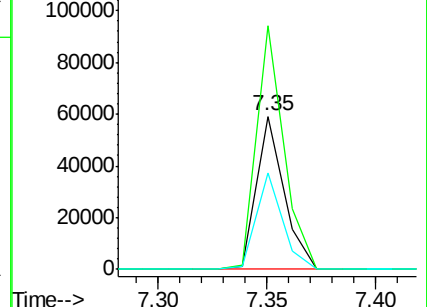
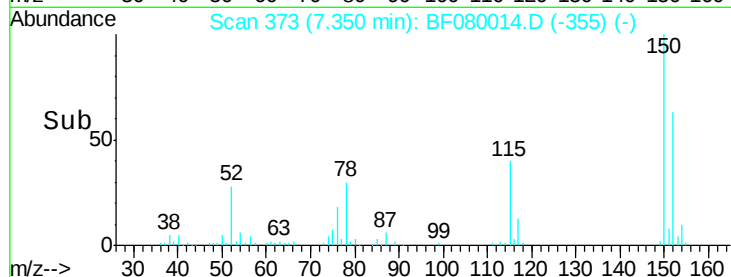
115 63.0 49.8 74.6



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



#5

2-Fluorophenol

Concen: 100.19 ng

RT: 5.97 min Scan# 252

Delta R.T. 0.01 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

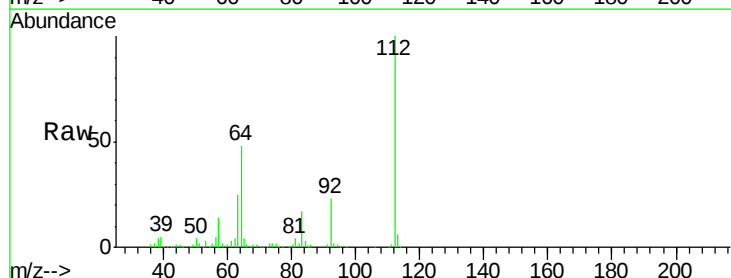
Tgt Ion:112 Resp: 283079

Ion Ratio Lower Upper

112 100

64 48.1 54.5 81.7#

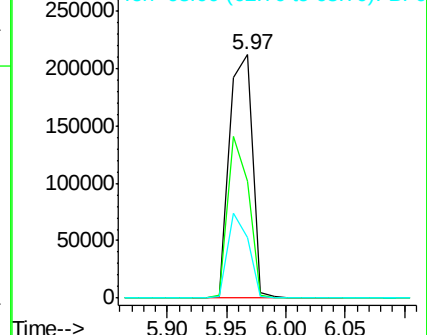
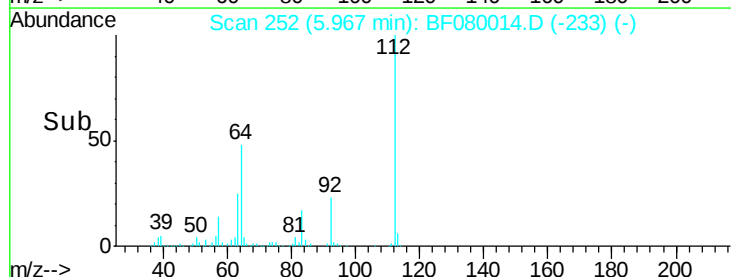
63 24.8 27.9 41.9#

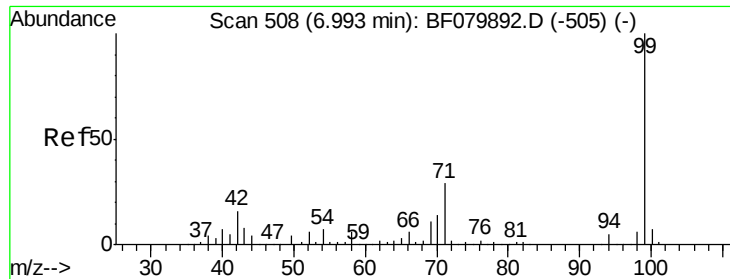


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.67 ng

RT: 6.95 min Scan# 338

Delta R.T. 0.00 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

NC-TS-001

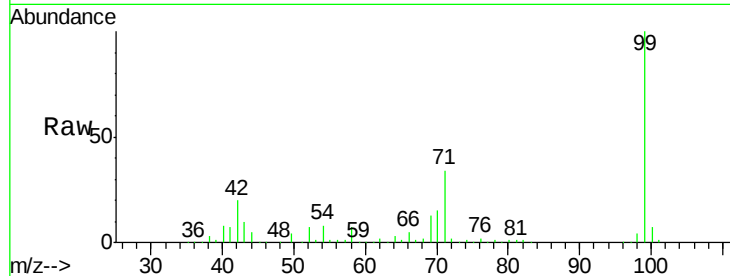
Tgt Ion: 99 Resp: 399064

Ion Ratio Lower Upper

99 100

42 20.2 12.9 19.3#

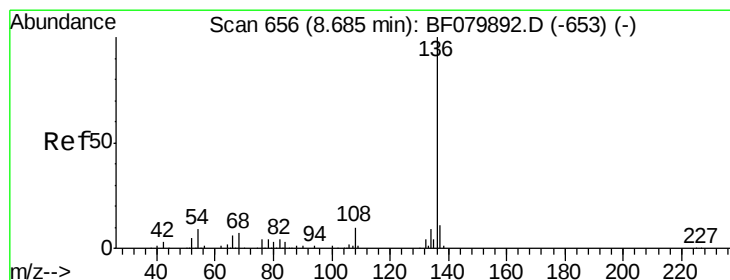
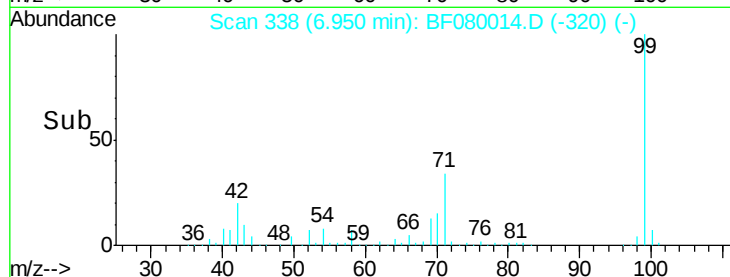
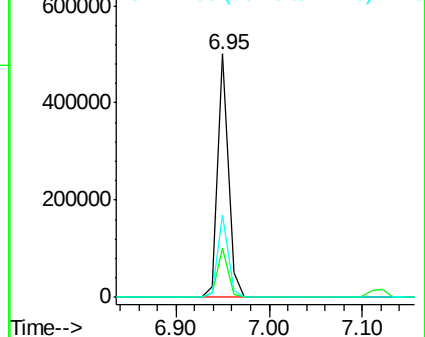
71 33.8 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.64 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Tgt Ion: 136 Resp: 207937

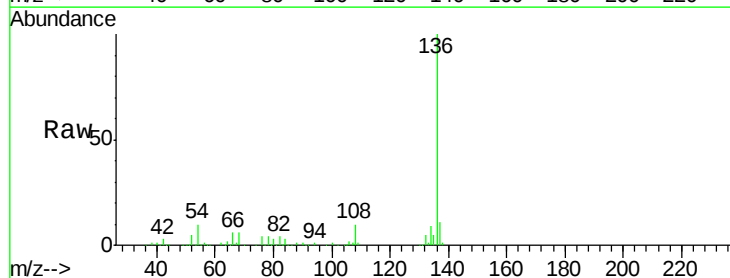
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.5 7.3 10.9

68 6.3 5.9 8.9

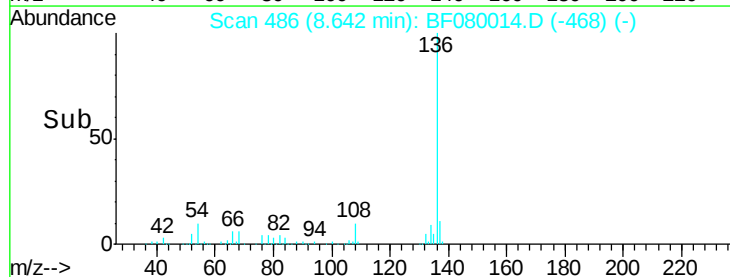
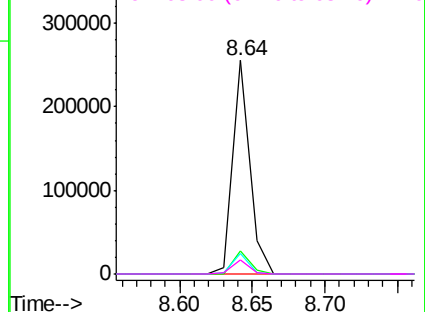


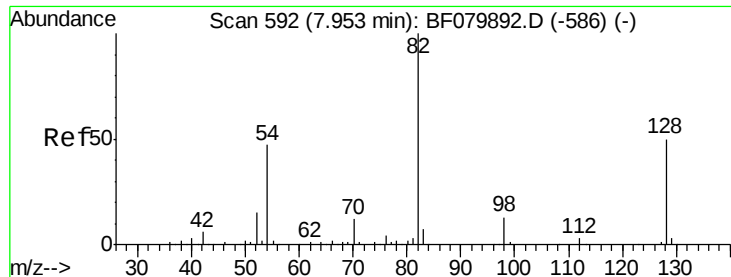
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 68.75 ng

RT: 7.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Instrument :

BNA_F

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NC-TS-001

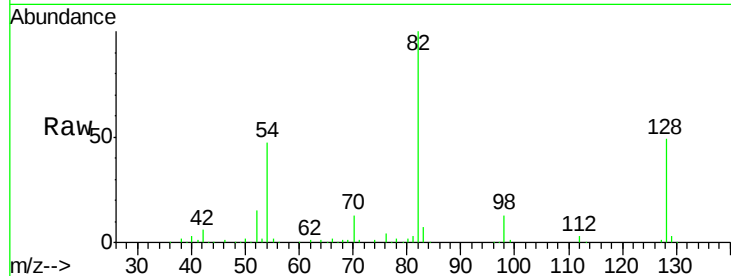
Tgt Ion: 82 Resp: 216683

Ion Ratio Lower Upper

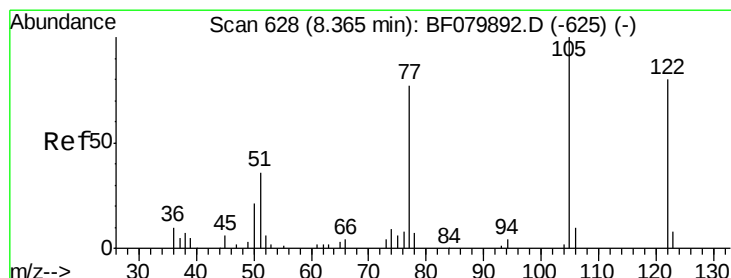
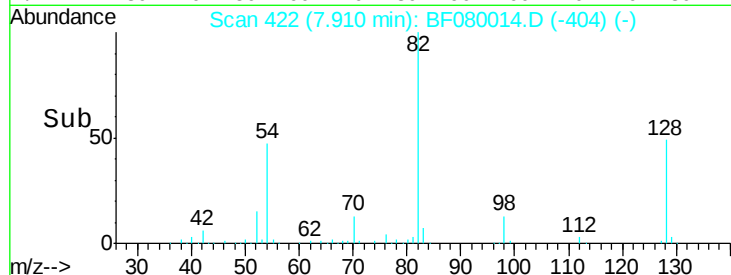
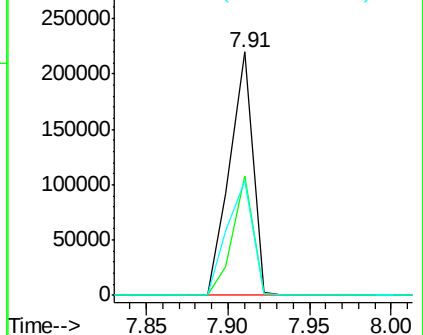
82 100

128 49.2 40.3 60.5

54 47.0 38.0 57.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#32

Benzoic acid

Concen: 8.77 ng

RT: 8.30 min Scan# 456

Delta R.T. -0.03 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

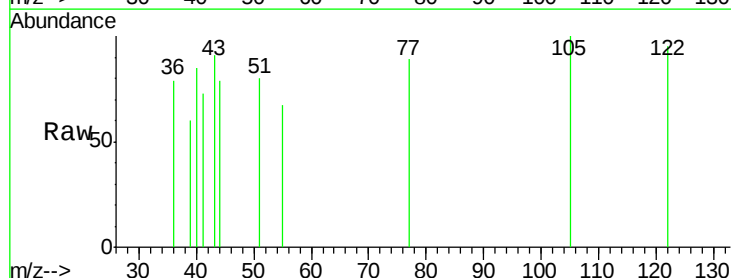
Tgt Ion: 122 Resp: 347

Ion Ratio Lower Upper

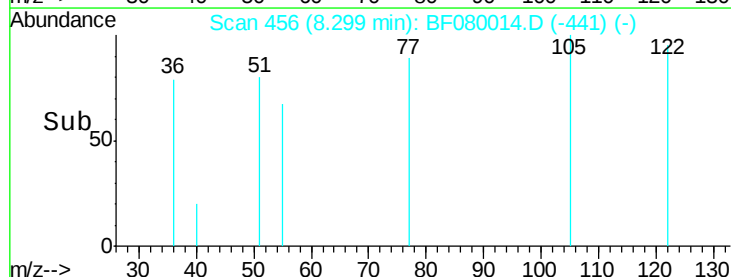
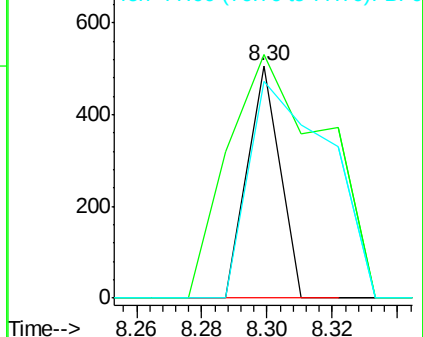
122 100

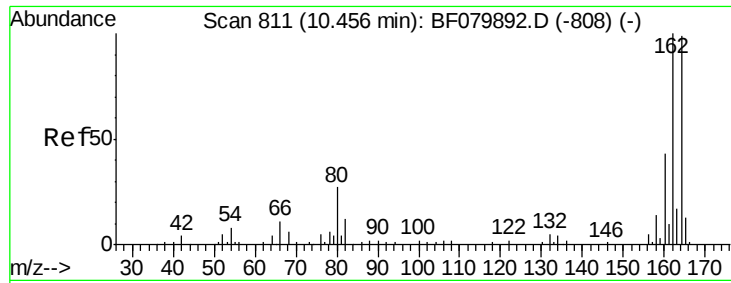
105 104.9 102.7 142.7

77 93.3 77.1 117.1



Abundance Ion 122.00 (121.70 to 122.70): B
Ion 105.00 (104.70 to 105.70): B
Ion 77.00 (76.70 to 77.70): BF0

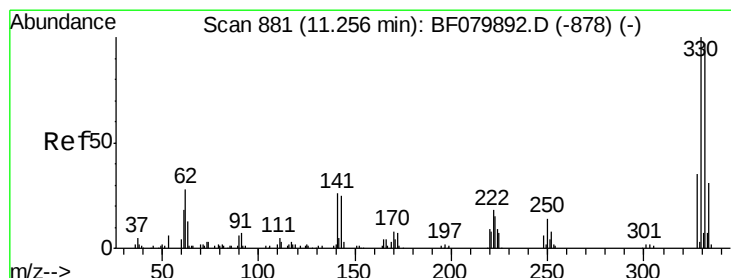
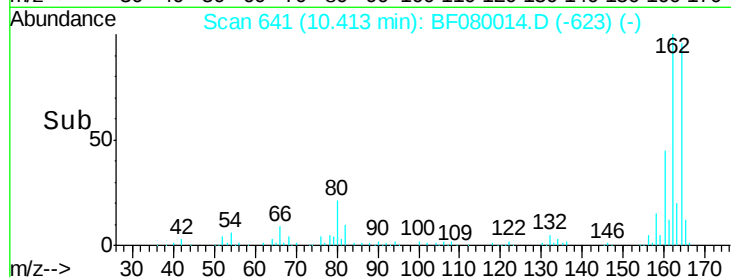
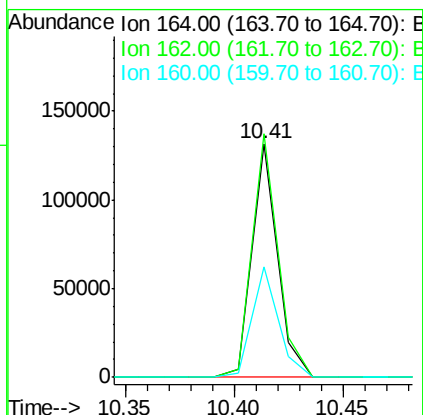
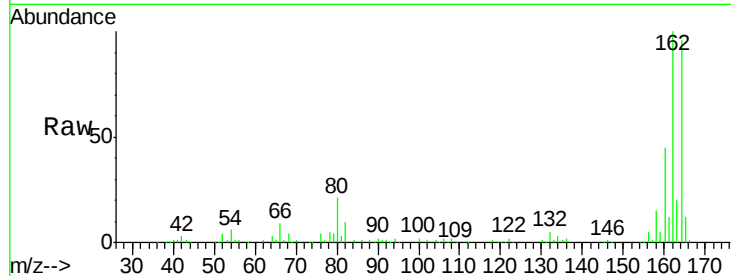




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF080014.D
 Acq: 17 Jun 2015 5:29

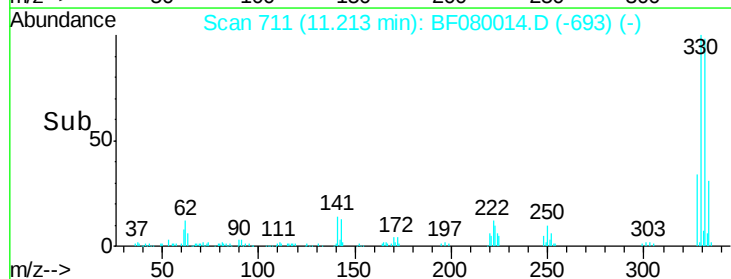
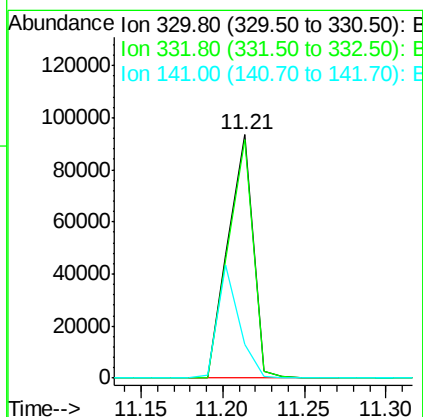
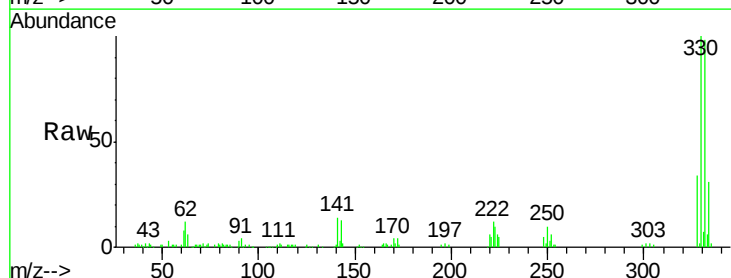
Instrument :
 BNA_F
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 NC-TS-001

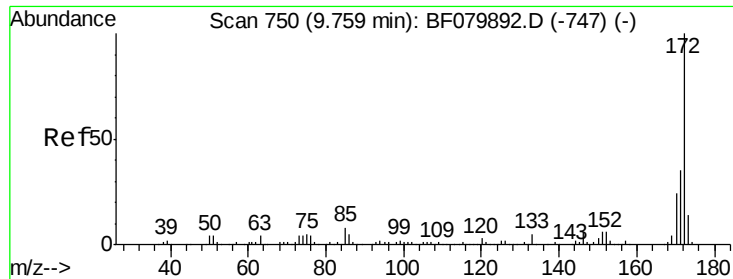
Tgt Ion:164 Resp: 106800
 Ion Ratio Lower Upper
 164 100
 162 104.2 80.7 121.1
 160 47.1 34.6 51.8



#41
 2,4,6-Tribromophenol
 Concen: 92.72 ng
 RT: 11.21 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF080014.D
 Acq: 17 Jun 2015 5:29

Tgt Ion:330 Resp: 98799
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.3 115.9
 141 40.3 26.8 40.2#

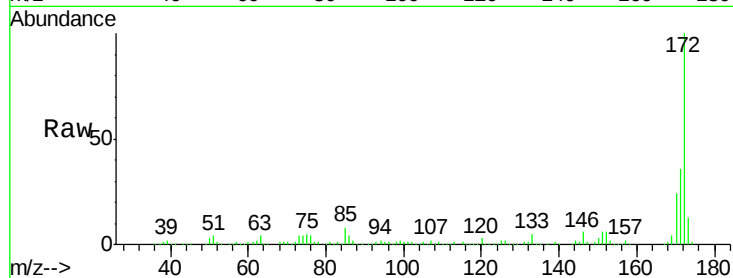




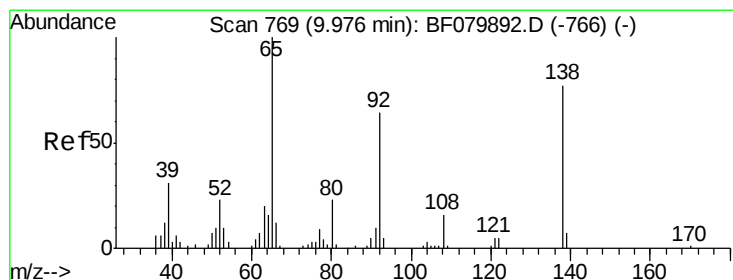
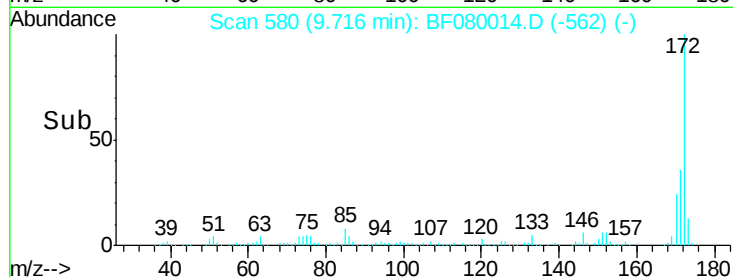
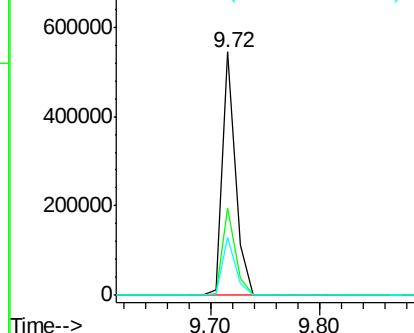
#44
 2-Fluorobiphenyl
 Concen: 60.61 ng
 RT: 9.72 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF080014.D
 Acq: 17 Jun 2015 5:29

Instrument :
 BNA_F
 ClientSampleId :
 NC-TS-001

Tgt Ion: 172 Resp: 462261
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.3 42.5
 170 23.7 19.0 28.4

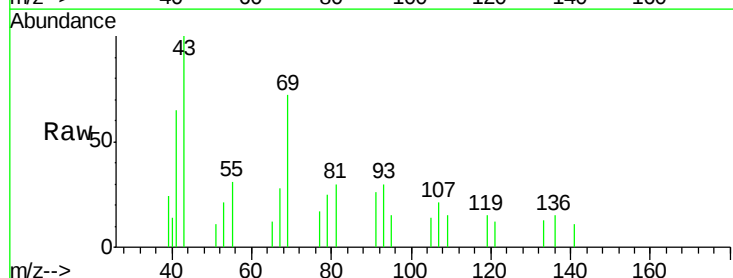


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

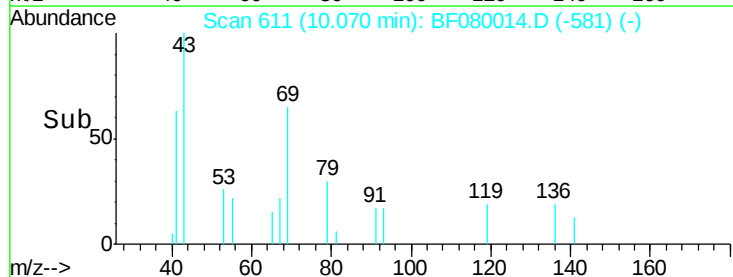
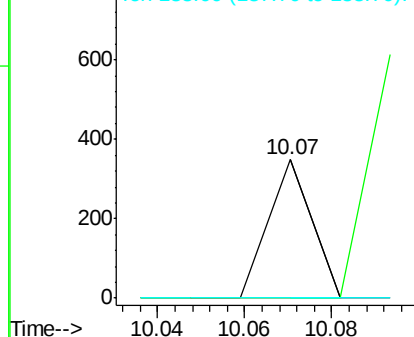


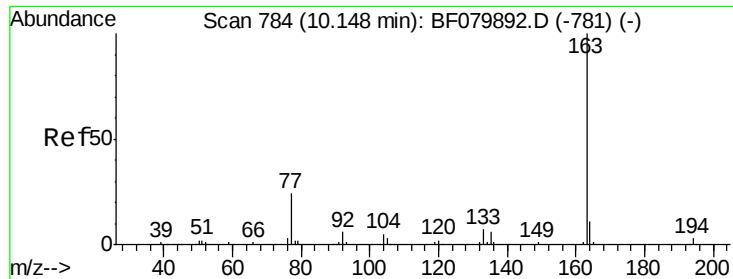
#47
 2-Nitroaniline
 Concen: 4.42 ng
 RT: 10.07 min Scan# 611
 Delta R.T. 0.14 min
 Lab File: BF080014.D
 Acq: 17 Jun 2015 5:29

Tgt Ion: 65 Resp: 239
 Ion Ratio Lower Upper
 65 100
 92 0.0 51.1 76.7#
 138 0.0 62.0 93.0#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E

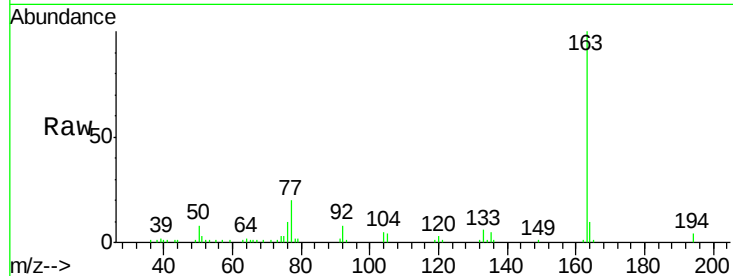




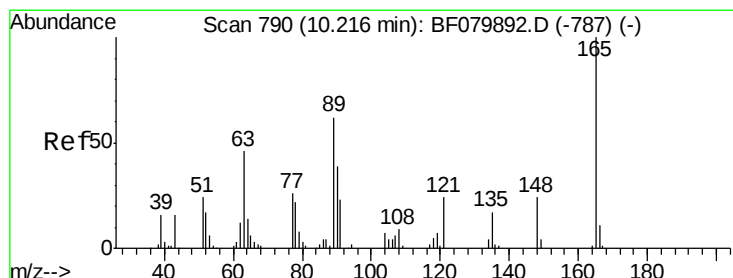
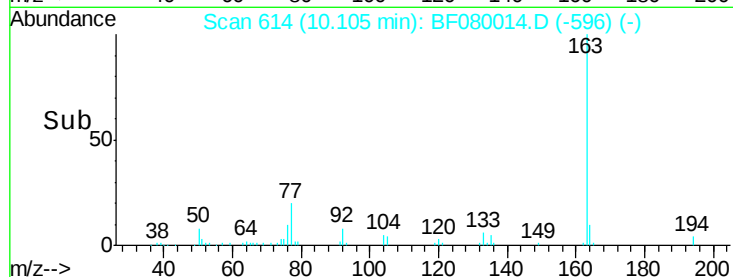
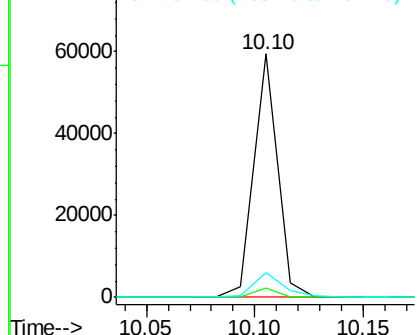
#49
Dimethylphthalate
Concen: 5.26 ng
RT: 10.10 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF080014.D
Acq: 17 Jun 2015 5:29

Instrument :
BNA_F
ClientSampleId :
NC-TS-001

Tgt Ion:163 Resp: 45013
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.0 8.6 12.8

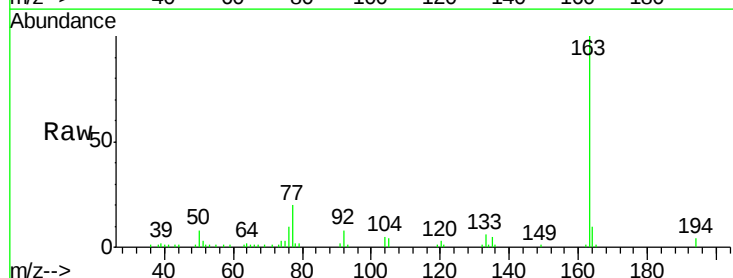


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

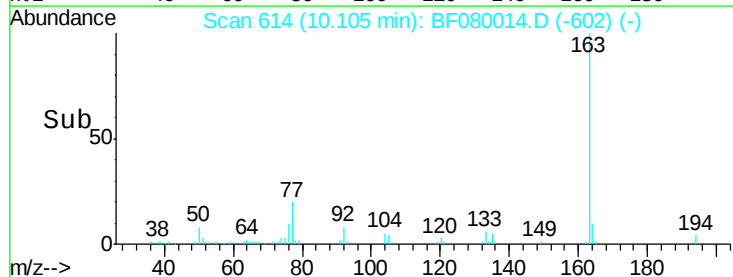
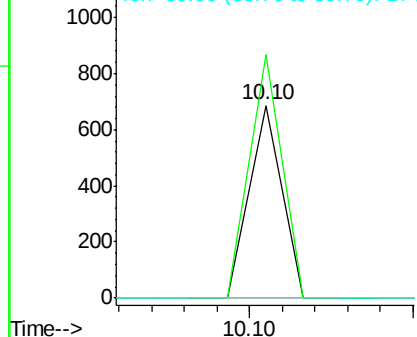


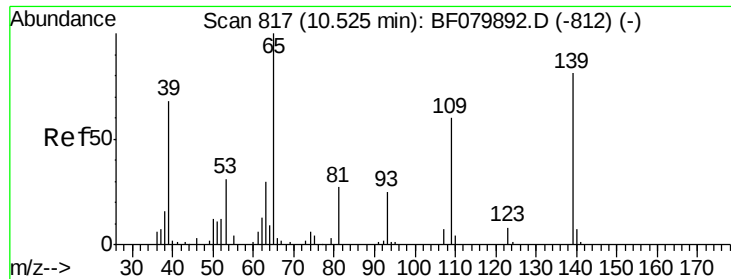
#50
2,6-Dinitrotoluene
Concen: 3.33 ng
RT: 10.10 min Scan# 614
Delta R.T. -0.07 min
Lab File: BF080014.D
Acq: 17 Jun 2015 5:29

Tgt Ion:165 Resp: 470
Ion Ratio Lower Upper
165 100
63 126.5 46.4 69.6#
89 0.0 49.6 74.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

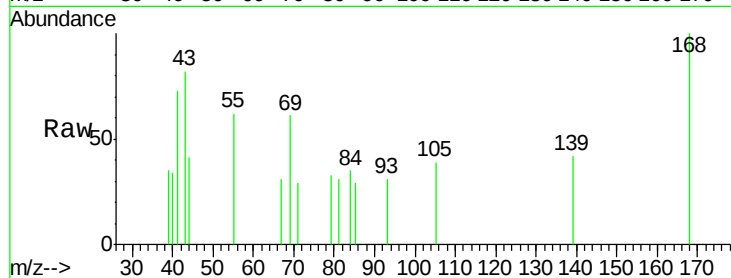




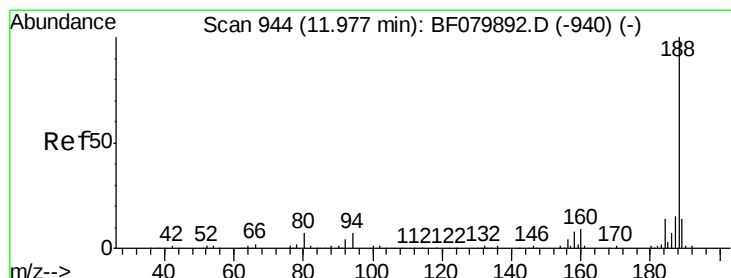
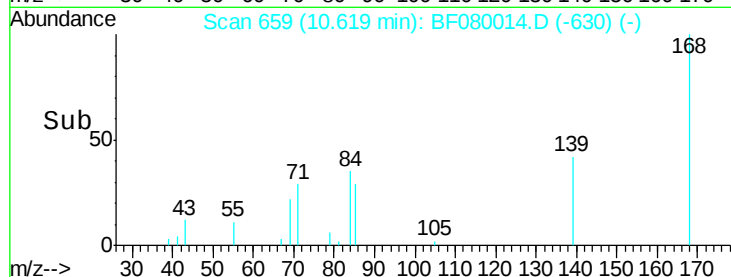
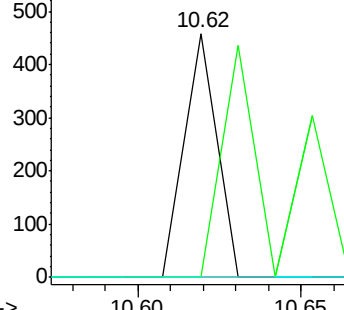
#55
4-Nitrophenol
Concen: 2.78 ng
RT: 10.62 min Scan# 659
Delta R.T. 0.13 min
Lab File: BF080014.D
Acq: 17 Jun 2015 5:29

Instrument :
BNA_F
ClientSampleId :
NC-TS-001

Tgt Ion:139 Resp: 314
Ion Ratio Lower Upper
139 100
109 0.0 54.8 94.8#
65 0.0 104.8 144.8#

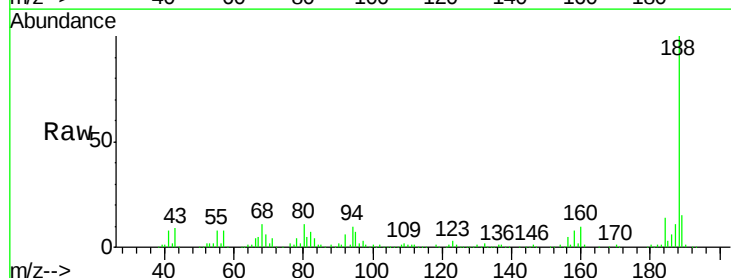


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

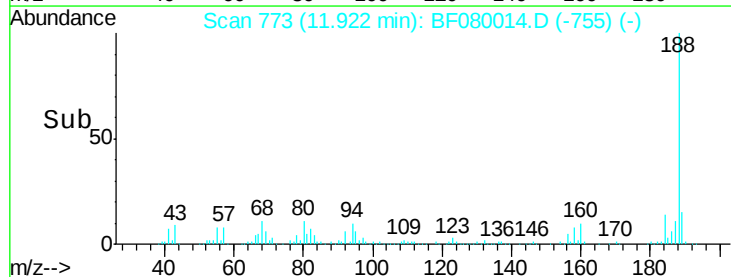
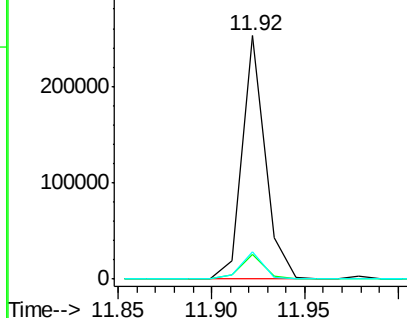


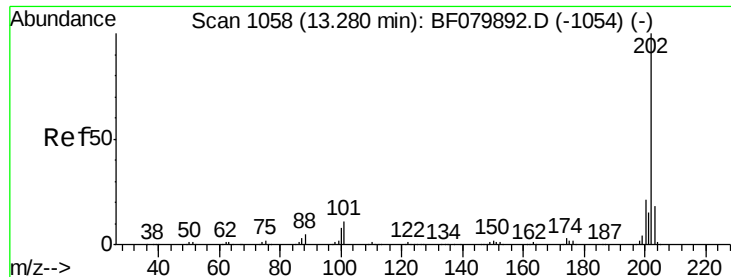
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.92 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF080014.D
Acq: 17 Jun 2015 5:29

Tgt Ion:188 Resp: 216526
Ion Ratio Lower Upper
188 100
94 10.4 5.8 8.8#
80 11.0 5.9 8.9#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 4.66 ng

RT: 13.23 min Scan# 887

Delta R.T. 0.01 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

NC-TS-001

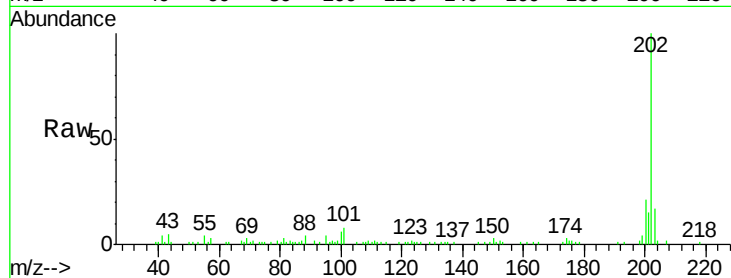
Tgt Ion:202 Resp: 66427

Ion Ratio Lower Upper

202 100

101 7.6 0.0 30.7

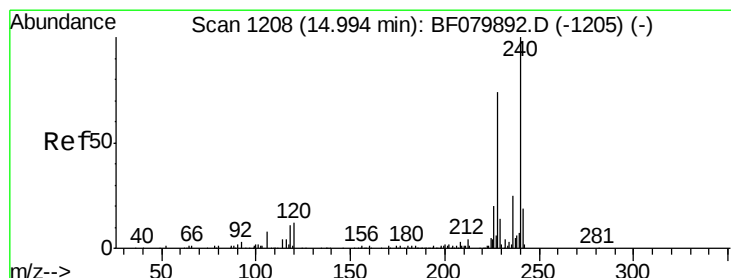
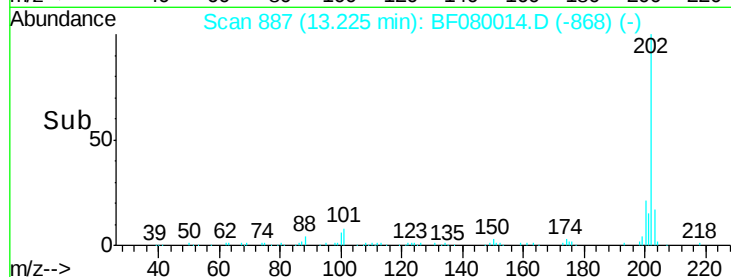
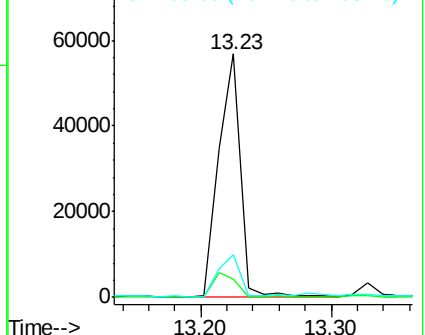
203 17.5 0.0 38.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.93 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

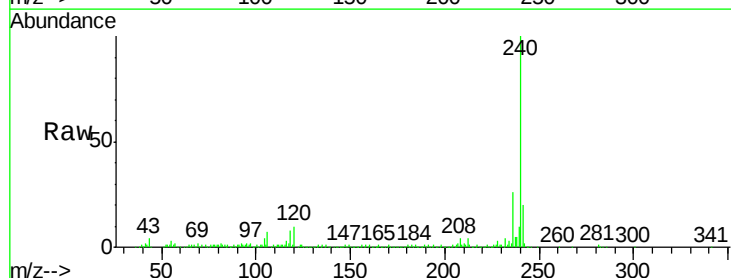
Tgt Ion:240 Resp: 247218

Ion Ratio Lower Upper

240 100

120 9.8 9.4 14.2

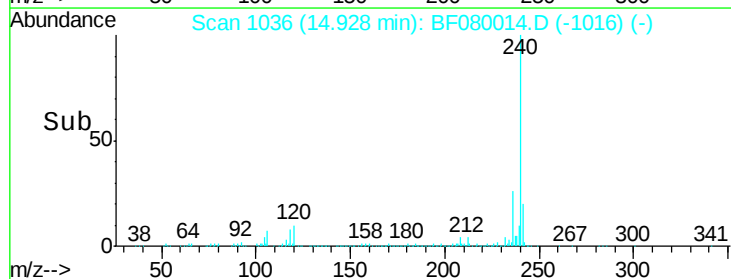
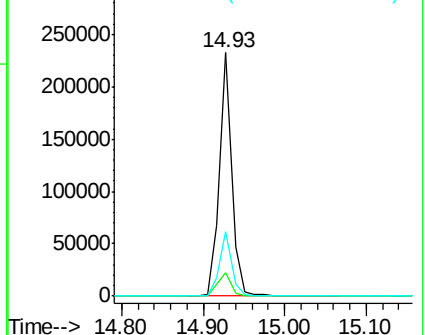
236 26.2 19.6 29.4

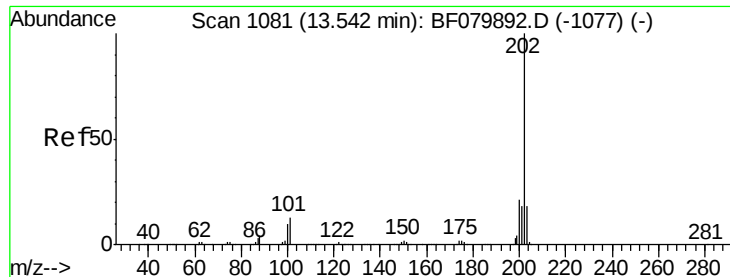


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

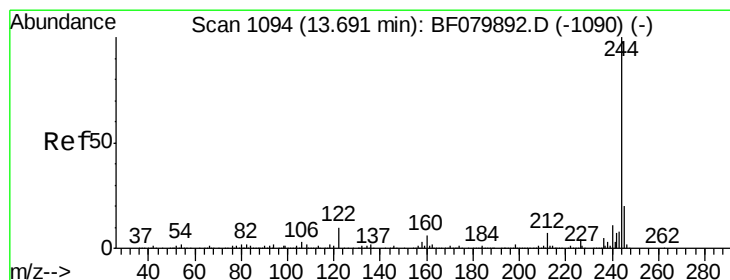
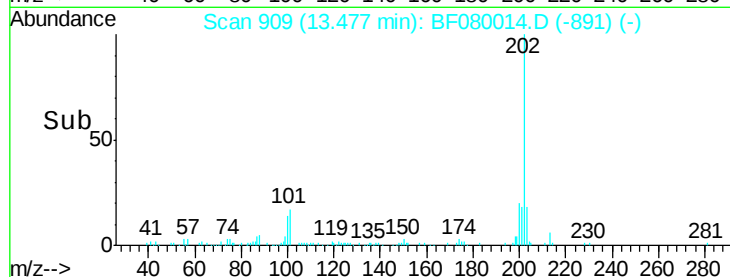
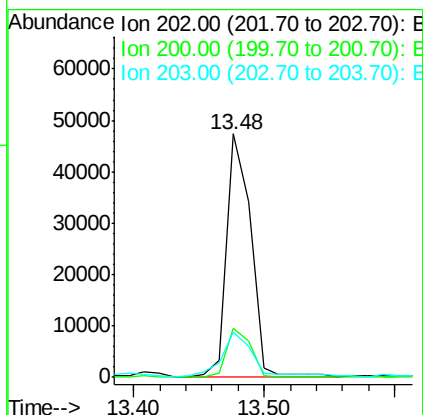
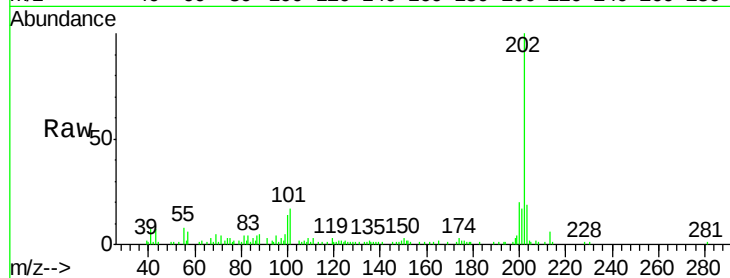




#77
Pyrene
Concen: 3.96 ng
RT: 13.48 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF080014.D
Acq: 17 Jun 2015 5:29

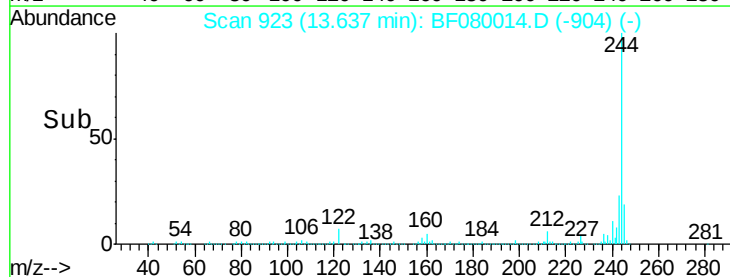
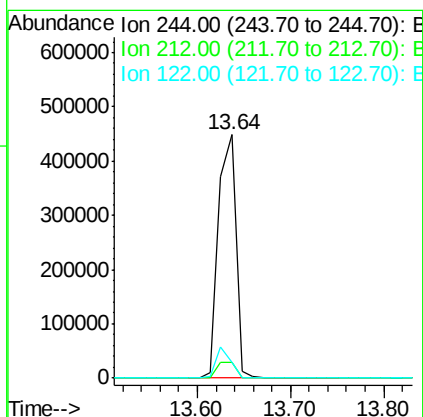
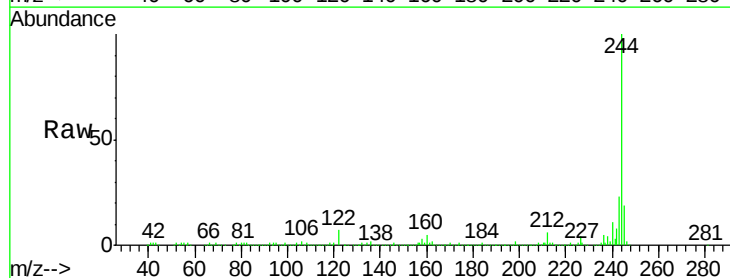
Instrument :
BNA_F
ClientSampleId :
NC-TS-001

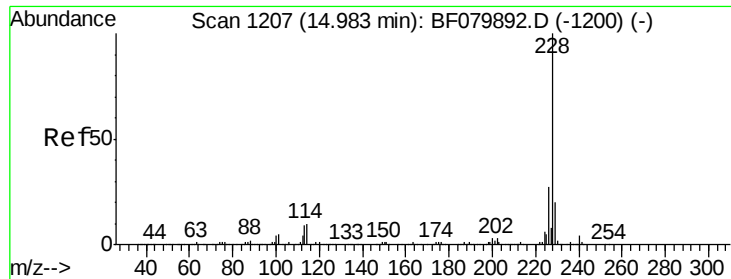
Tgt Ion:202 Resp: 61445
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 18.6 14.4 21.6



#78
Terphenyl-d14
Concen: 54.37 ng
RT: 13.64 min Scan# 923
Delta R.T. 0.01 min
Lab File: BF080014.D
Acq: 17 Jun 2015 5:29

Tgt Ion:244 Resp: 583037
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 6.6 7.8 11.8#





#80

Benzo(a)anthracene

Concen: 2.48 ng

RT: 14.92 min Scan# 1035

Delta R.T. 0.02 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

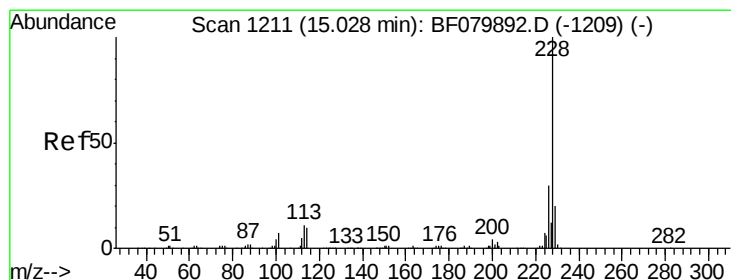
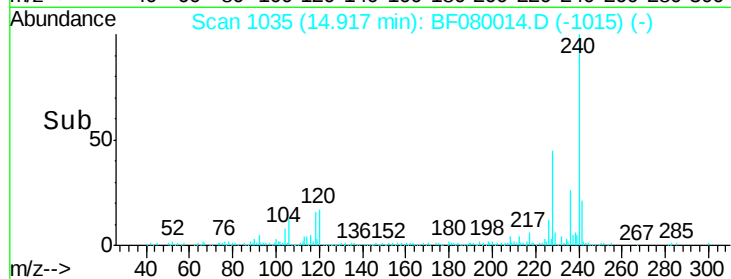
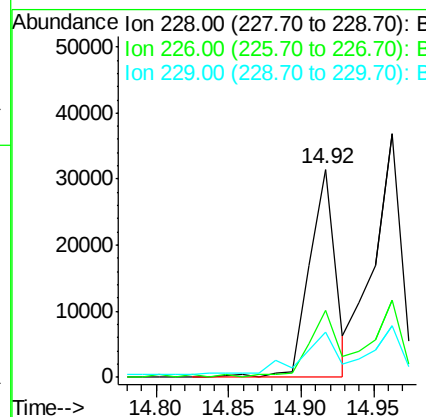
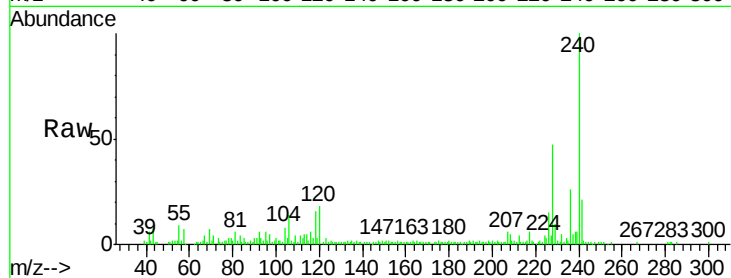
Instrument :

BNA_F

ClientSampleId :

NC-TS-001

Tgt Ion:	228	Resp:	38945
Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.8	32.8
229	22.0	15.9	23.9



#82

Chrysene

Concen: 2.39 ng

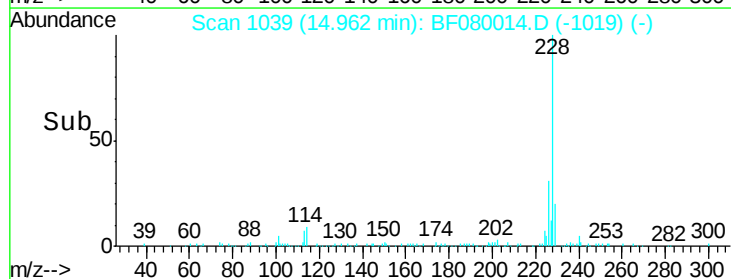
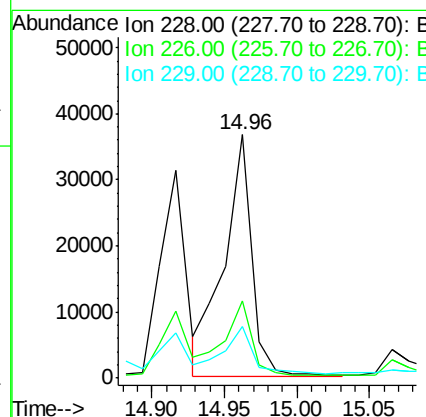
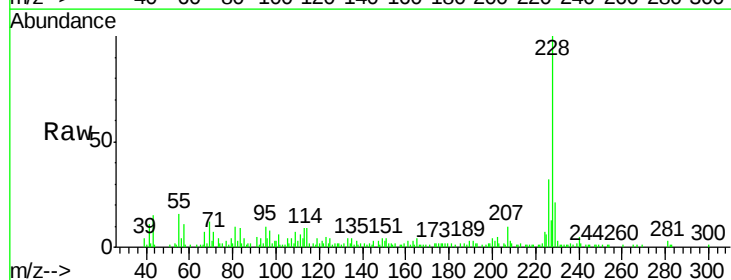
RT: 14.96 min Scan# 1039

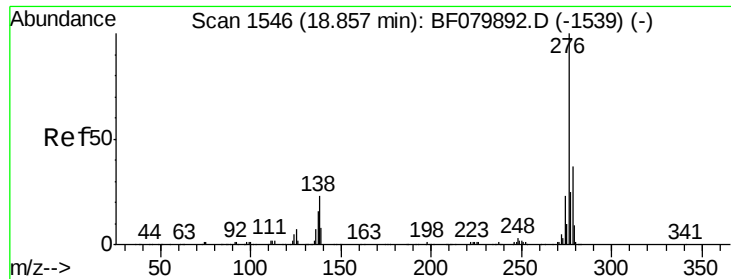
Delta R.T. 0.02 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Tgt Ion:	228	Resp:	49235
Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.9	35.9
229	21.4	16.1	24.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.39 ng

RT: 18.72 min Scan# 1368

Delta R.T. 0.05 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

NC-TS-001

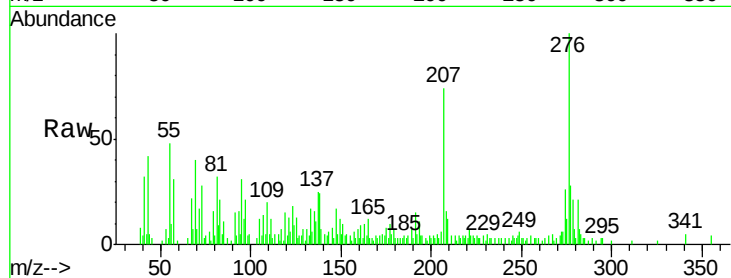
Tgt Ion: 276 Resp: 39302

Ion Ratio Lower Upper

276 100

138 20.5 21.0 31.4#

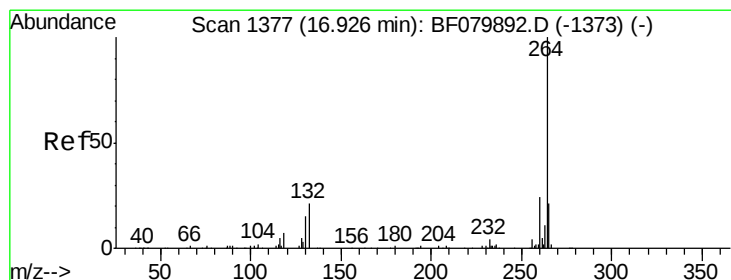
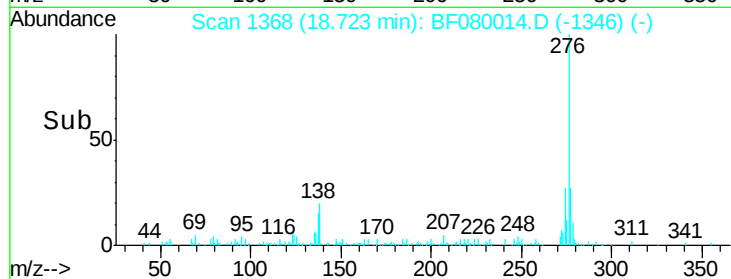
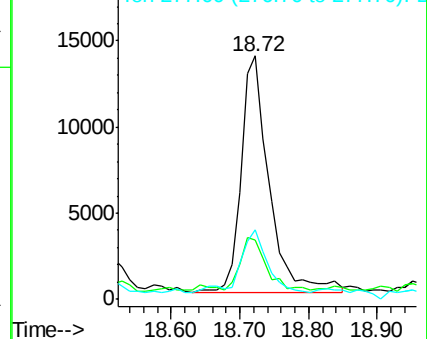
277 25.3 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.85 min Scan# 1204

Delta R.T. 0.05 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

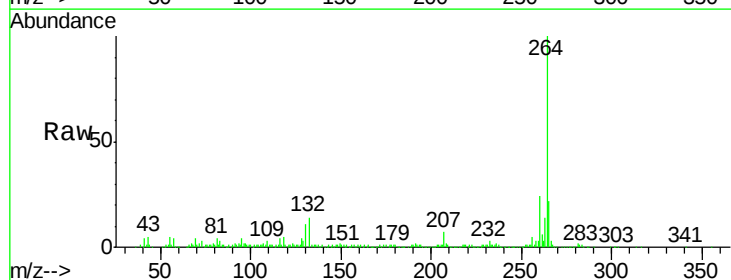
Tgt Ion: 264 Resp: 246005

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

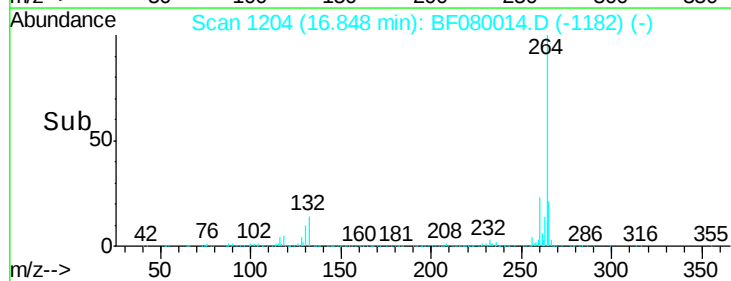
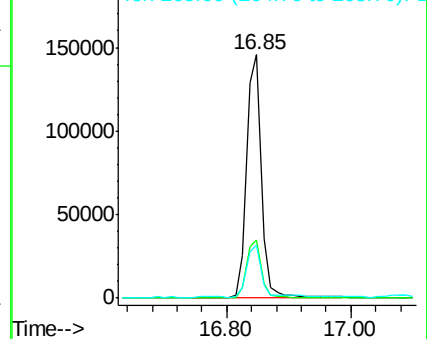
265 21.5 17.0 25.6

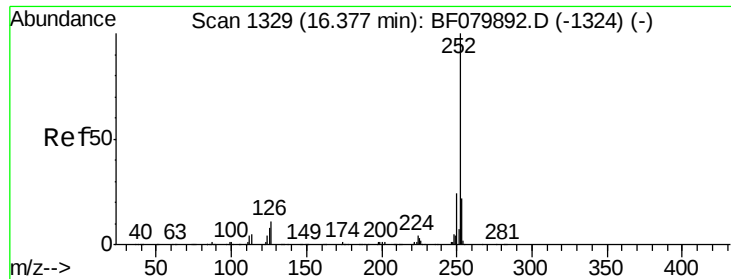


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.59 ng

RT: 16.29 min Scan# 1155

Delta R.T. 0.03 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

NC-TS-001

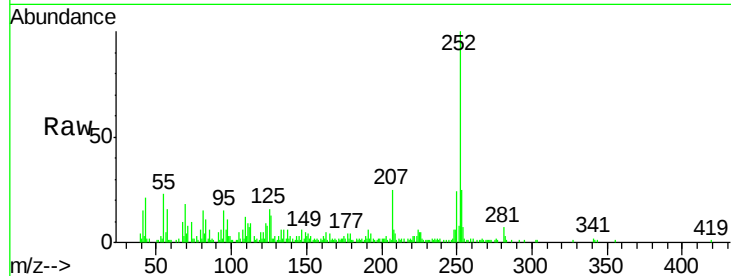
Tgt Ion:252 Resp: 99368

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

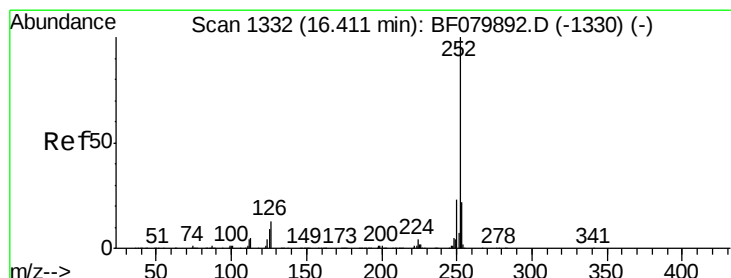
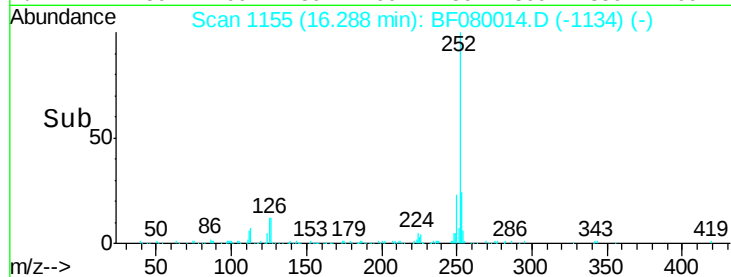
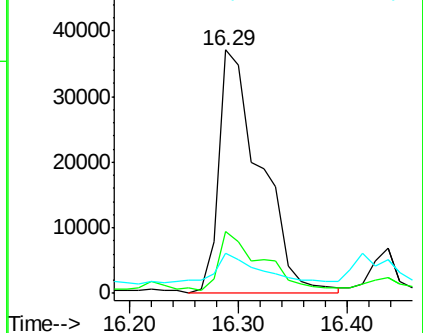
125 16.3 6.5 9.7#



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



#88

Benzo(k)fluoranthene

Concen: 6.46 ng

RT: 16.29 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

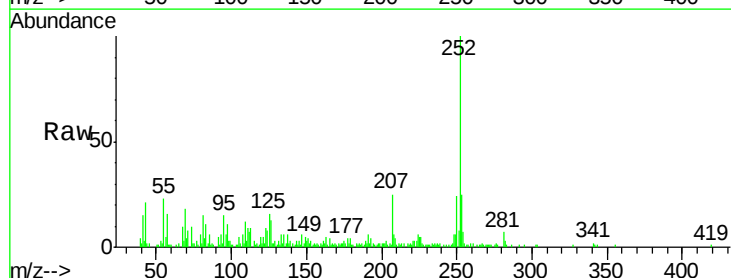
Tgt Ion:252 Resp: 99368

Ion Ratio Lower Upper

252 100

253 25.5 17.4 26.2

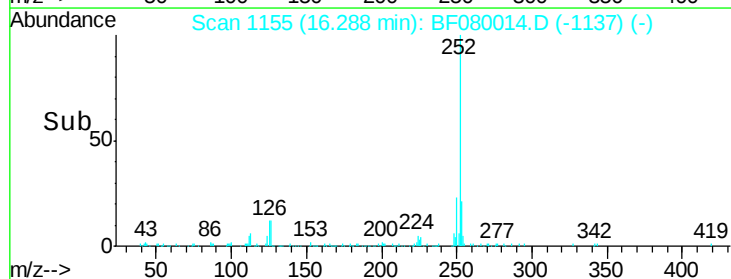
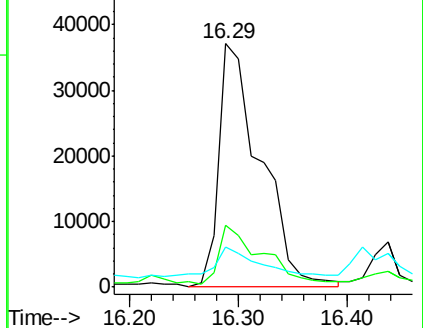
125 16.3 7.4 11.0#

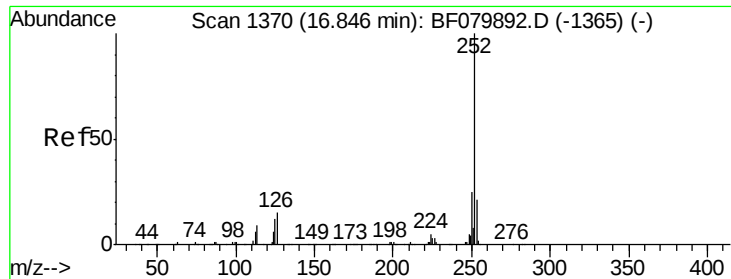


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.11 ng

RT: 16.76 min Scan# 1196

Delta R.T. 0.03 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

Instrument :

BNA_F

ClientSampleId :

NC-TS-001

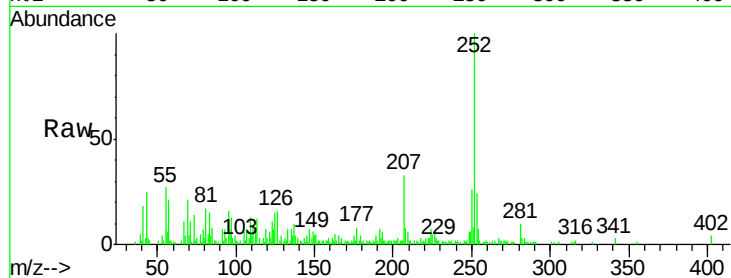
Tgt Ion:252 Resp: 44605

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

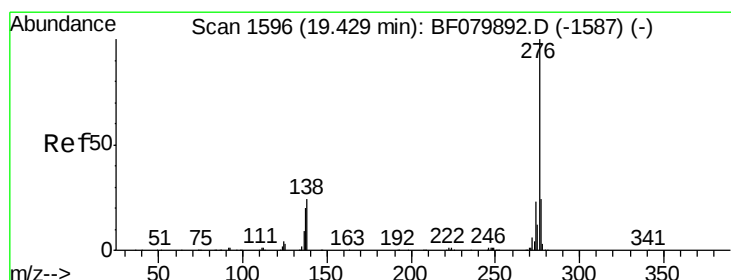
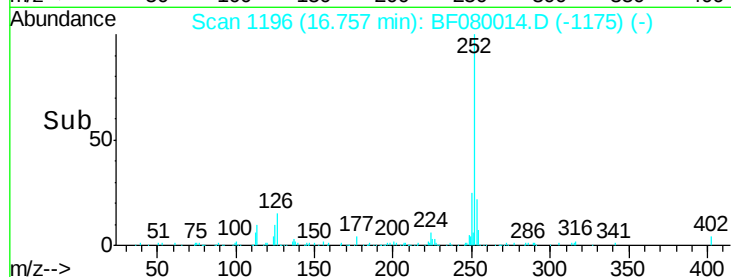
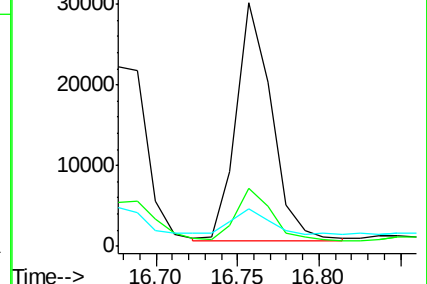
125 15.2 9.7 14.5#



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



#91

Benzo(g,h,i)perylene

Concen: 3.10 ng

RT: 19.28 min Scan# 1417

Delta R.T. 0.05 min

Lab File: BF080014.D

Acq: 17 Jun 2015 5:29

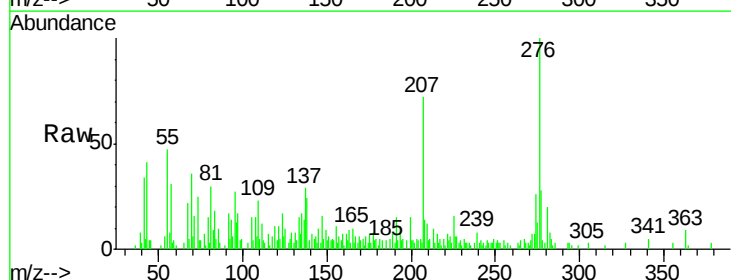
Tgt Ion:276 Resp: 45167

Ion Ratio Lower Upper

276 100

277 27.7 19.4 29.2

138 23.8 19.1 28.7



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

