

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
 Data File : BF080261.D
 Acq On : 1 Jul 2015 6:55
 Operator : TP/IZ
 Sample : G2838-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B14

Quant Time: Jul 01 07:48:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

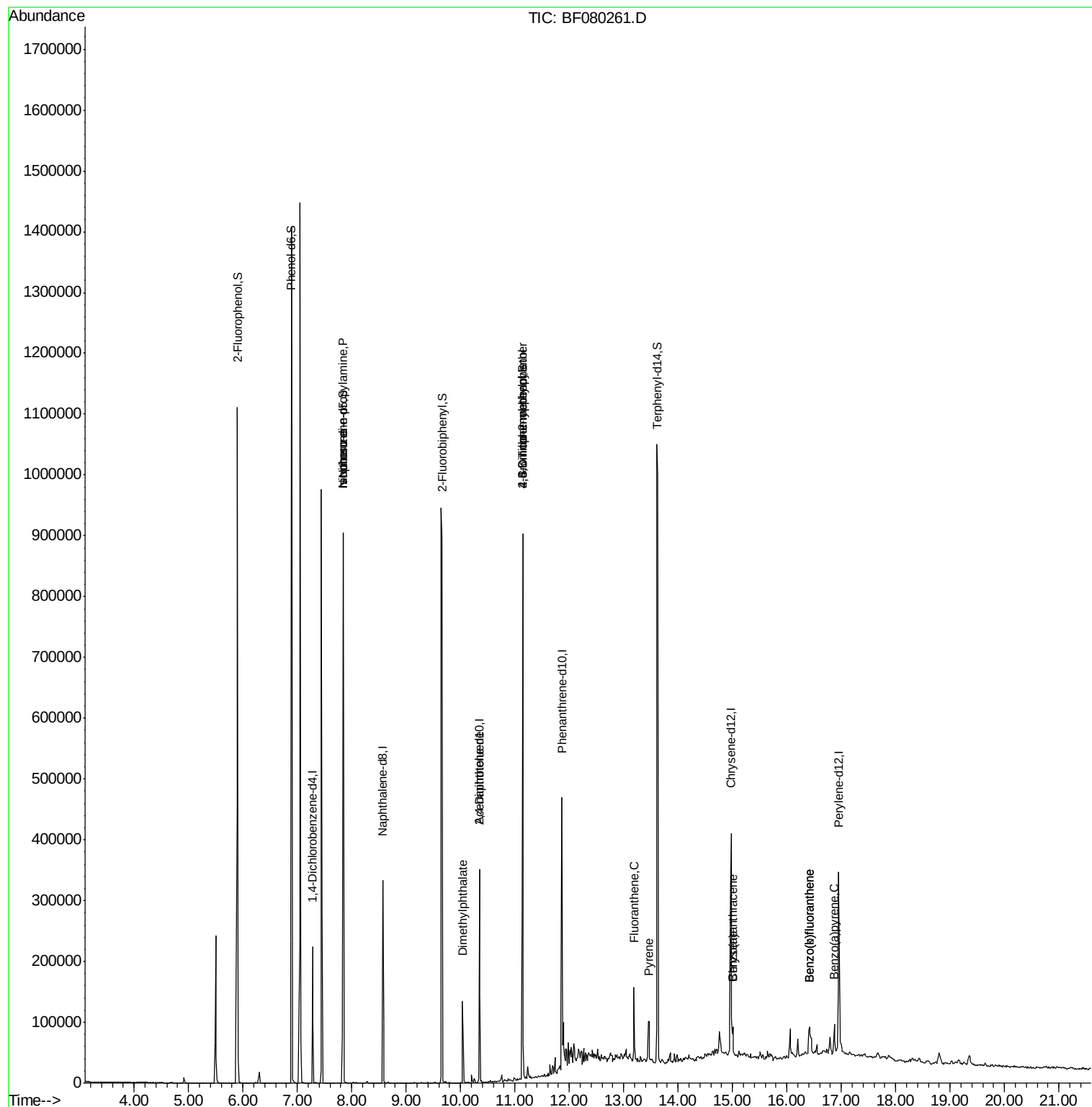
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	37126	20.00	ng	-0.05
21) Naphthalene-d8	8.57	136	148233	20.00	ng	-0.05
38) Acenaphthene-d10	10.34	164	74874	20.00	ng	-0.05
63) Phenanthrene-d10	11.86	188	156031	20.00	ng	-0.05
75) Chrysene-d12	14.97	240	160631	20.00	ng	-0.02
86) Perylene-d12	16.95	264	158696	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	320315	152.73	ng	-0.03
7) Phenol-d6	6.89	99	430486	154.25	ng	-0.03
23) Nitrobenzene-d5	7.84	82	253476	99.55	ng	-0.03
41) 2,4,6-Tribromophenol	11.14	330	101916	139.20	ng	-0.03
44) 2-Fluorobiphenyl	9.66	172	453151	86.31	ng	-0.03
78) Terphenyl-d14	13.63	244	508067	73.87	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.84	70	31903	16.46	ng	# 60
25) Isophorone	7.84	82	253468	49.46	ng	# 58
49) Dimethylphthalate	10.04	163	70185	12.47	ng	# 97
56) 2,4-Dinitrotoluene	10.34	165	9424	6.58	ng	# 31
64) 4,6-Dinitro-2-methylphenol	11.14	198	241	3.86	ng	# 1
66) 4-Bromophenyl-phenylether	11.14	248	7698	4.64	ng	# 1
74) Fluoranthene	13.19	202	46828	4.65	ng	89
77) Pyrene	13.47	202	43123	4.36	ng	96
80) Benzo(a)anthracene	15.01	228	26704	2.73	ng	93
82) Chrysene	15.01	228	26704	2.96	ng	95
87) Benzo(b)fluoranthene	16.41	252	48019	5.00	ng	# 89
88) Benzo(k)fluoranthene	16.41	252	48019	4.91	ng	# 89
89) Benzo(a)pyrene	16.87	252	26364	2.89	ng	# 88

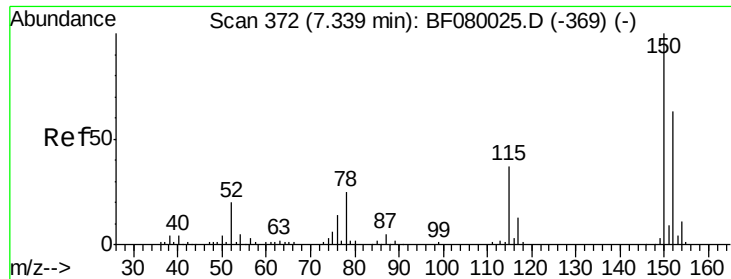
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.28 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Instrument :

BNA_F

ClientSampleId :

TEC-B14

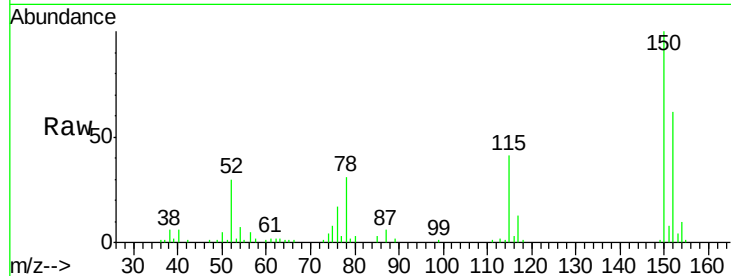
Tgt Ion:152 Resp: 37126

Ion Ratio Lower Upper

152 100

150 160.1 124.7 187.1

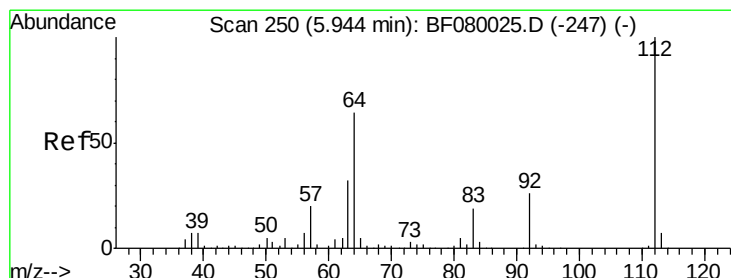
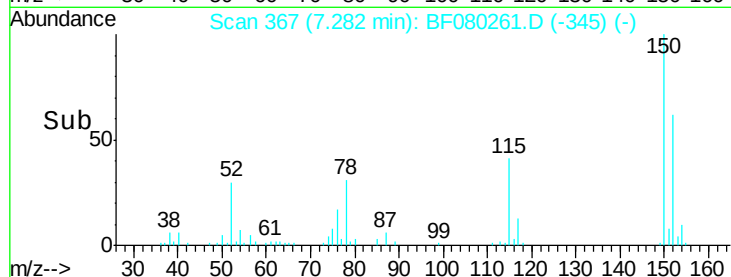
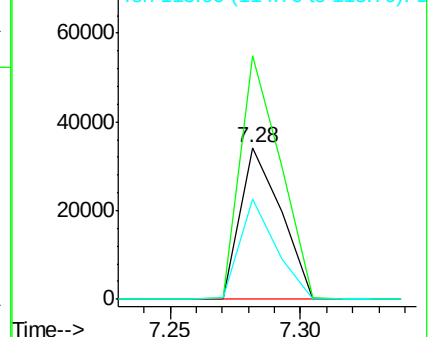
115 66.3 39.0 58.4#



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: 152.73 ng

RT: 5.90 min Scan# 246

Delta R.T. -0.03 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

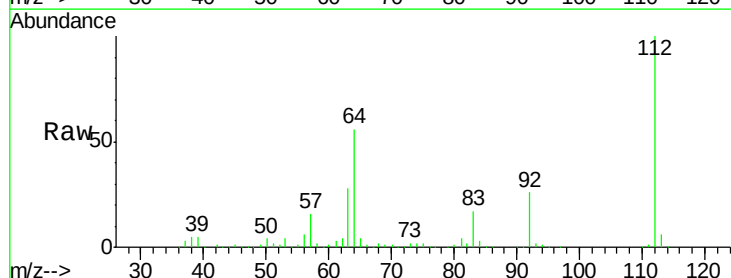
Tgt Ion:112 Resp: 320315

Ion Ratio Lower Upper

112 100

64 56.4 39.7 59.5

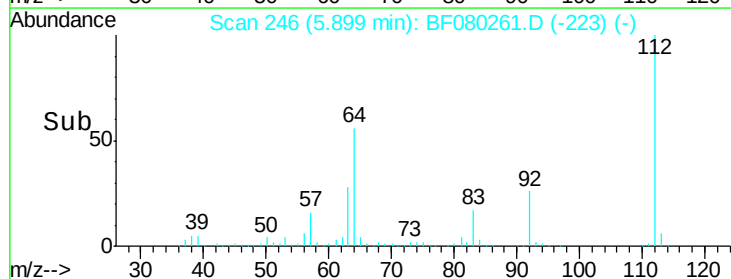
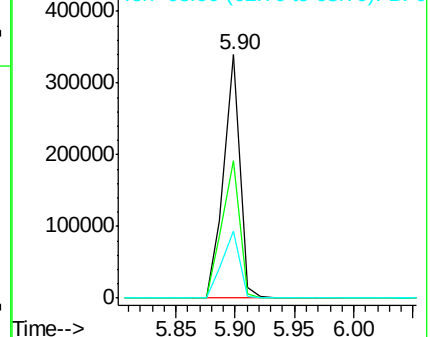
63 27.8 17.4 26.0#

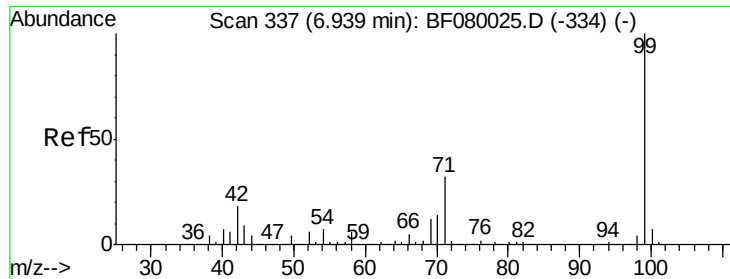


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 154.25 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Instrument :

BNA_F

ClientSampleId :

TEC-B14

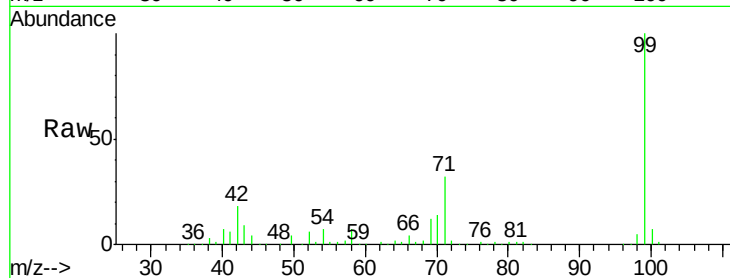
Tgt Ion: 99 Resp: 430486

Ion Ratio Lower Upper

99 100

42 18.0 13.7 20.5

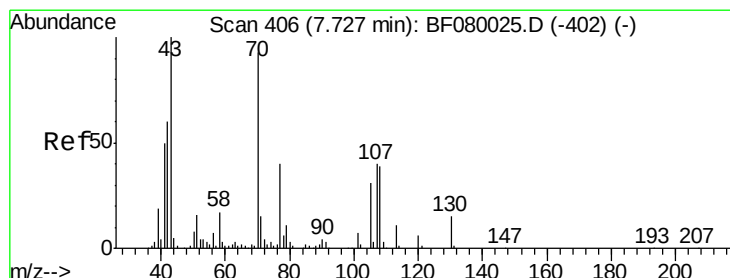
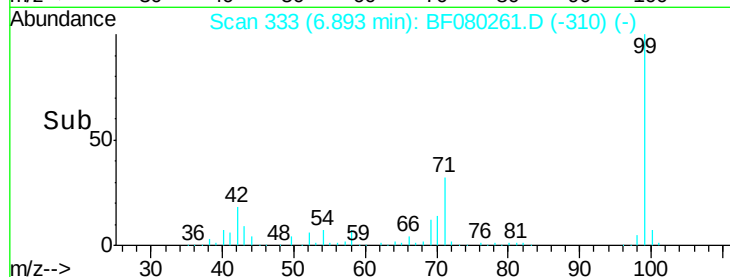
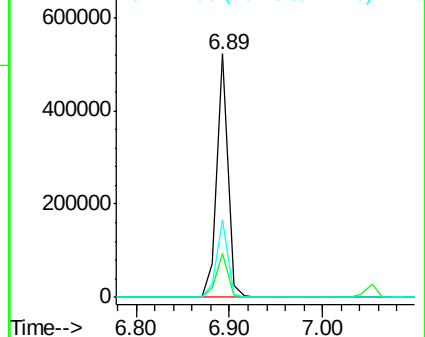
71 31.8 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.46 ng

RT: 7.84 min Scan# 416

Delta R.T. 0.13 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Tgt Ion: 70 Resp: 31903

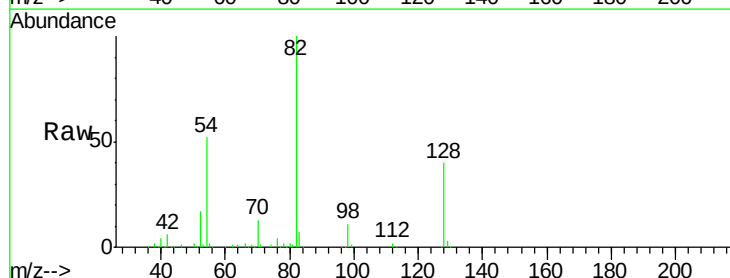
Ion Ratio Lower Upper

70 100

42 49.0 63.8 95.6#

101 0.0 9.2 13.8#

130 1.8 27.3 40.9#

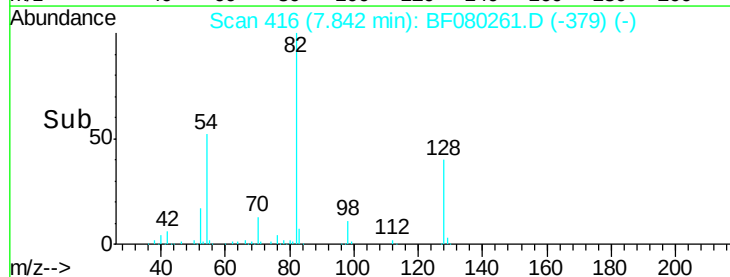
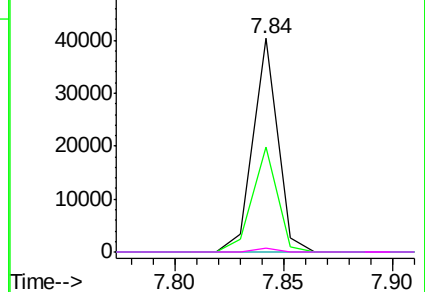


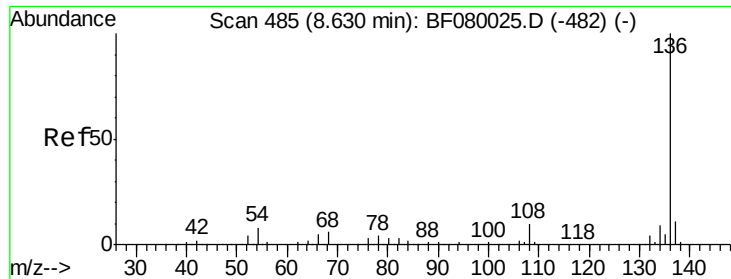
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

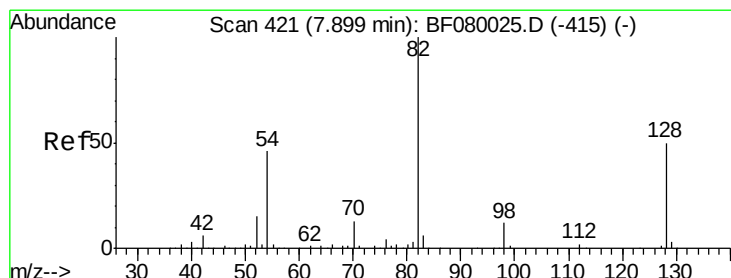
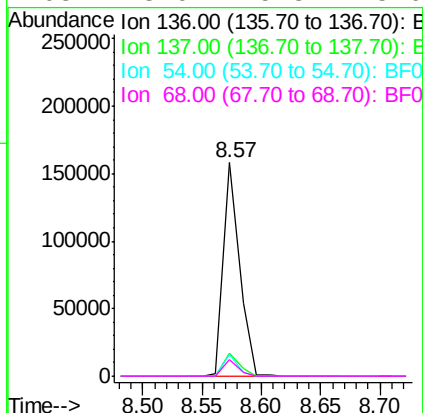
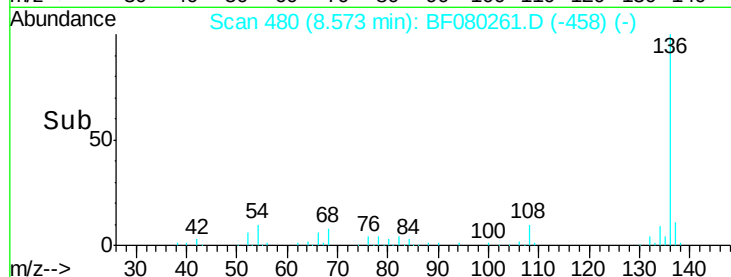
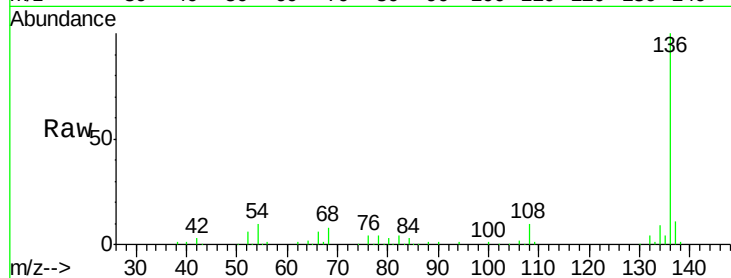




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.57 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF080261.D
Acq: 1 Jul 2015 6:55

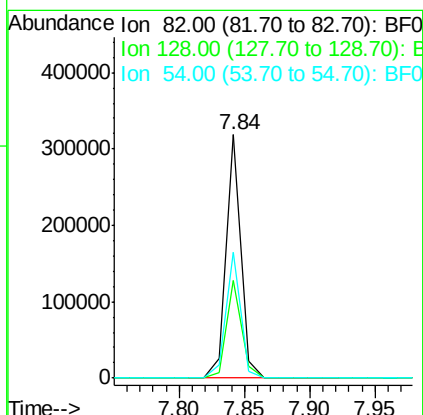
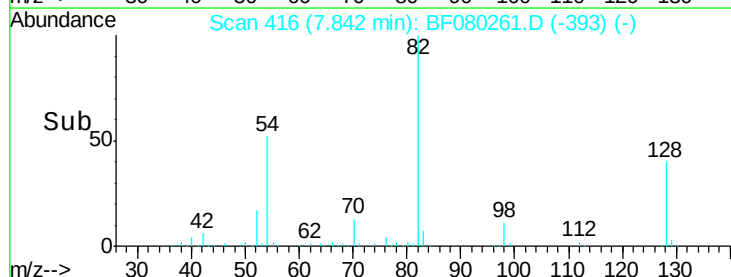
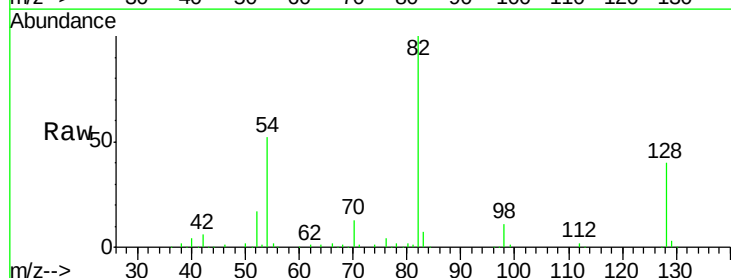
Instrument :
BNA_F
ClientSampleId :
TEC-B14

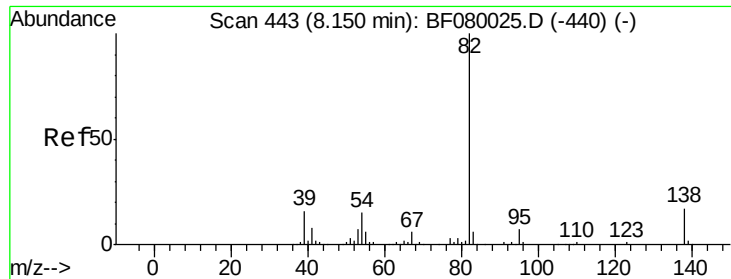
Tgt Ion:	136	Resp:	148233
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	10.3	8.2	12.2
68	8.0	5.8	8.6



#23
Nitrobenzene-d5
Concen: 99.55 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.03 min
Lab File: BF080261.D
Acq: 1 Jul 2015 6:55

Tgt Ion:	82	Resp:	253476
Ion	Ratio	Lower	Upper
82	100		
128	40.3	51.0	76.6#
54	51.8	47.5	71.3





#25

Isophorone

Concen: 49.46 ng

RT: 7.84 min Scan# 416

Delta R.T. -0.30 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Instrument :

BNA_F

ClientSampleId :

TEC-B14

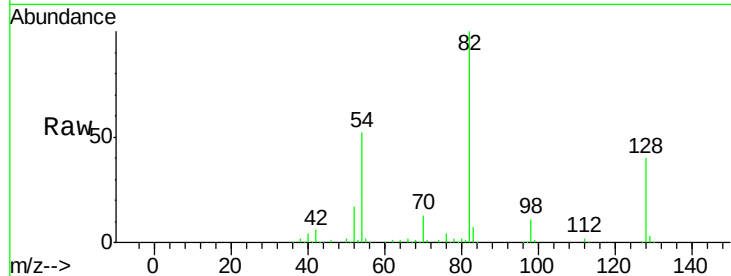
Tgt Ion: 82 Resp: 253468

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

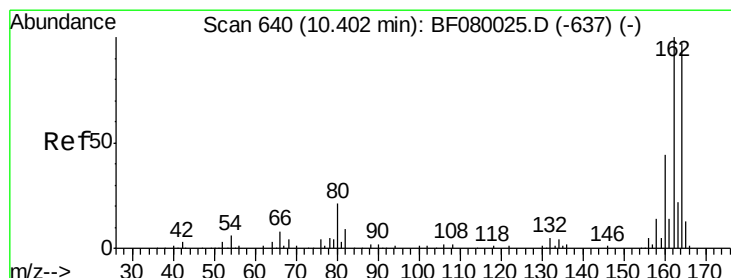
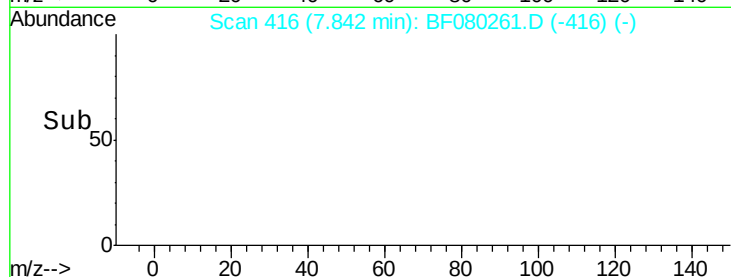
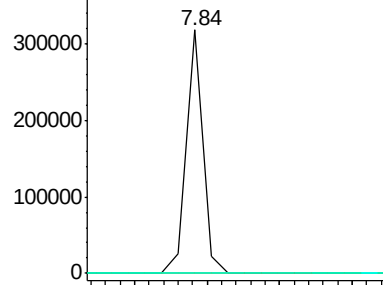
138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.34 min Scan# 635

Delta R.T. -0.05 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

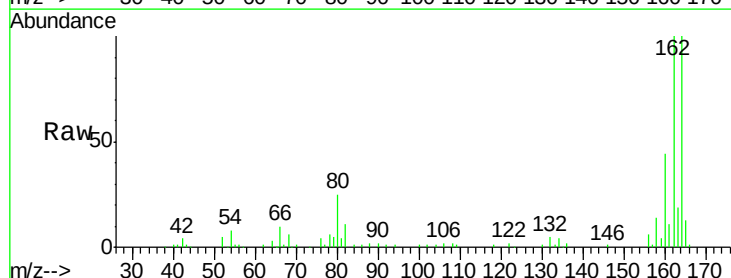
Tgt Ion: 164 Resp: 74874

Ion Ratio Lower Upper

164 100

162 100.2 75.2 112.8

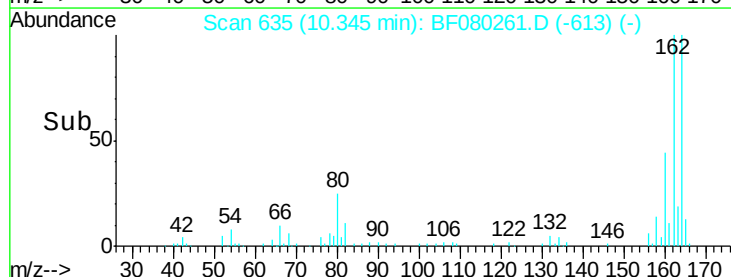
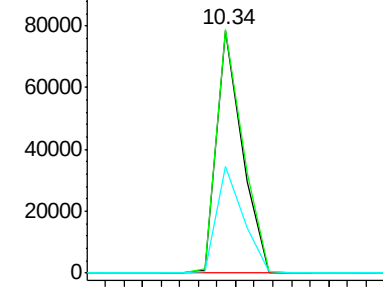
160 44.0 31.5 47.3

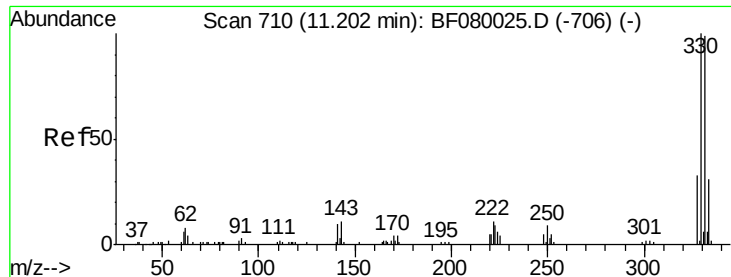


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

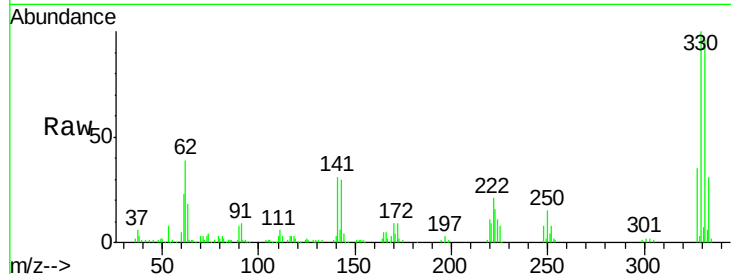




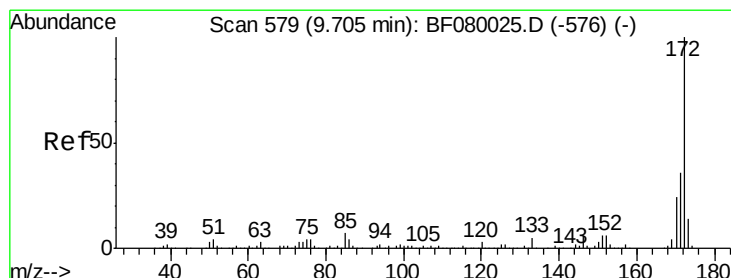
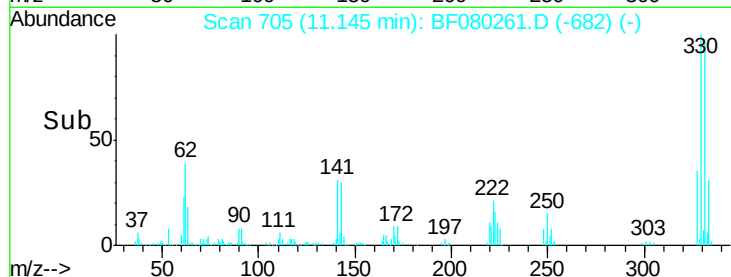
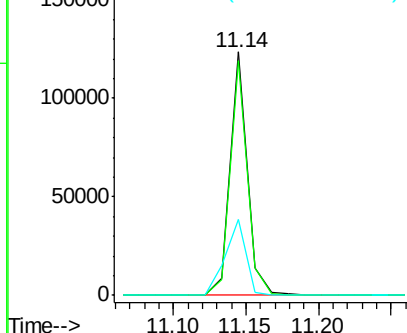
#41
 2,4,6-Tribromophenol
 Concen: 139.20 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF080261.D
 Acq: 1 Jul 2015 6:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B14

Tgt Ion:330 Resp: 101916
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 114.8
 141 37.4 29.7 44.5

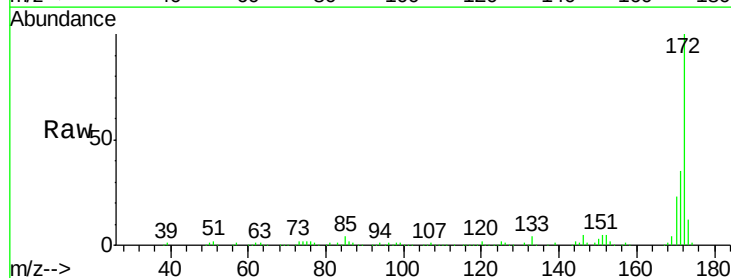


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

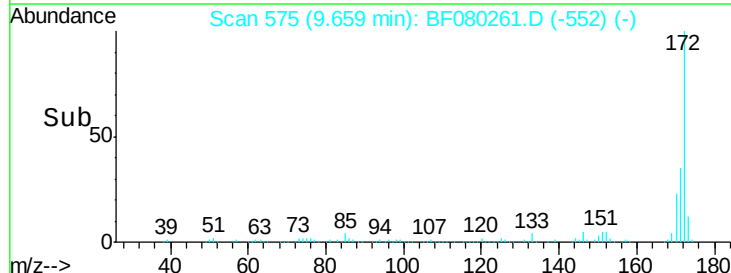
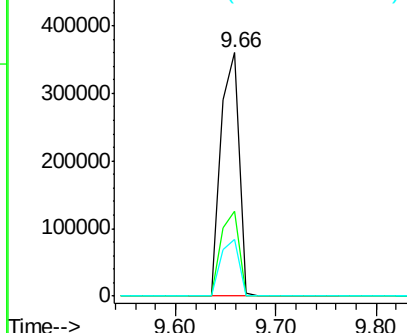


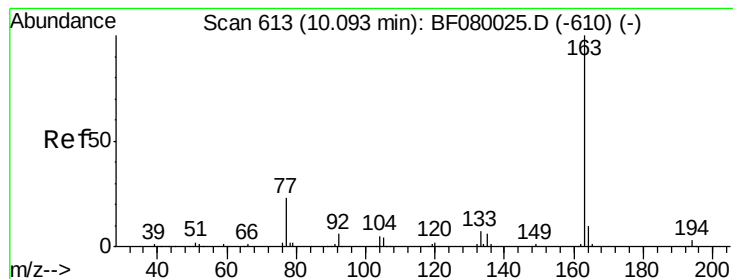
#44
 2-Fluorobiphenyl
 Concen: 86.31 ng
 RT: 9.66 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: BF080261.D
 Acq: 1 Jul 2015 6:55

Tgt Ion:172 Resp: 453151
 Ion Ratio Lower Upper
 172 100
 171 35.1 26.1 39.1
 170 23.4 17.4 26.2



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





#49

Dimethylphthalate

Concen: 12.47 ng

RT: 10.04 min Scan# 608

Delta R.T. -0.05 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Instrument :

BNA_F

ClientSampleId :

TEC-B14

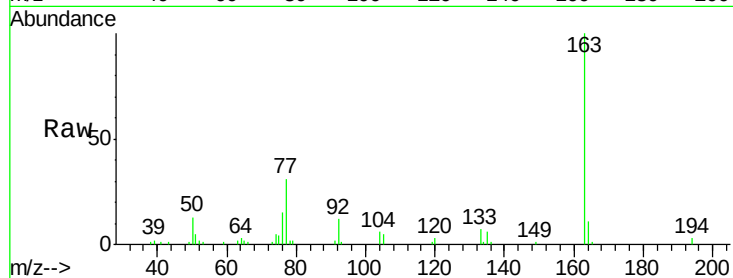
Tgt Ion:163 Resp: 70185

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

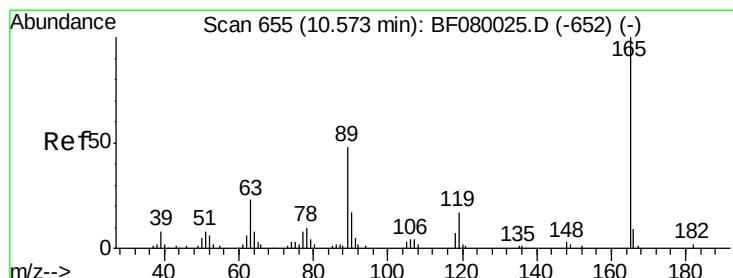
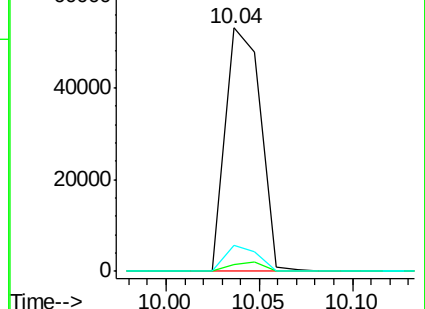
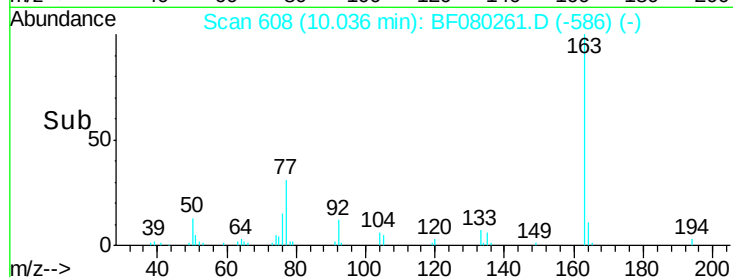
164 10.9 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.58 ng

RT: 10.34 min Scan# 635

Delta R.T. -0.21 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Tgt Ion:165 Resp: 9424

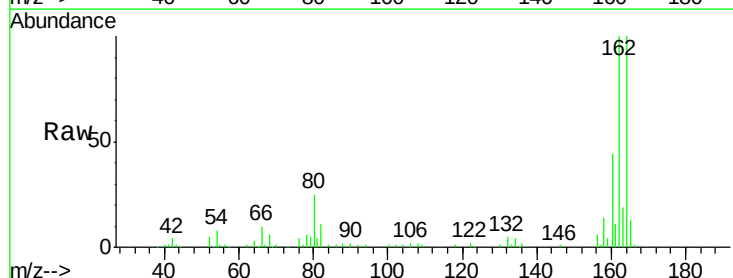
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

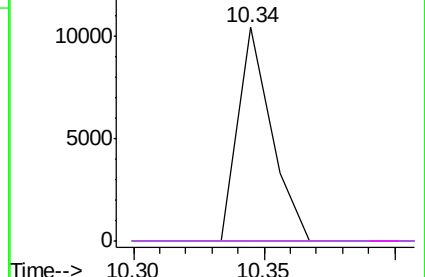
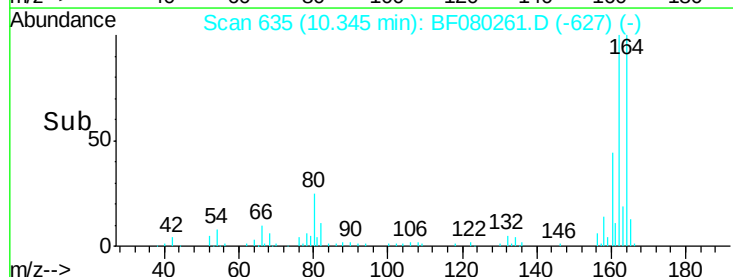


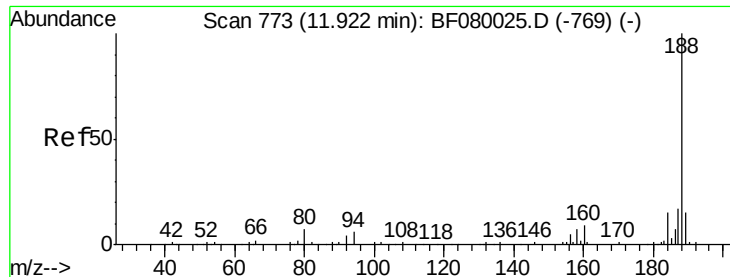
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

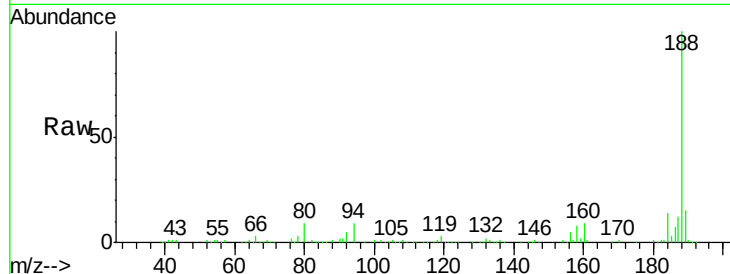




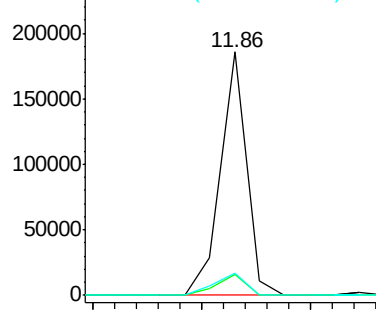
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.86 min Scan# 768
 Delta R.T. -0.05 min
 Lab File: BF080261.D
 Acq: 1 Jul 2015 6:55

Instrument :
 BNA_F
 ClientSampled :
 TEC-B14

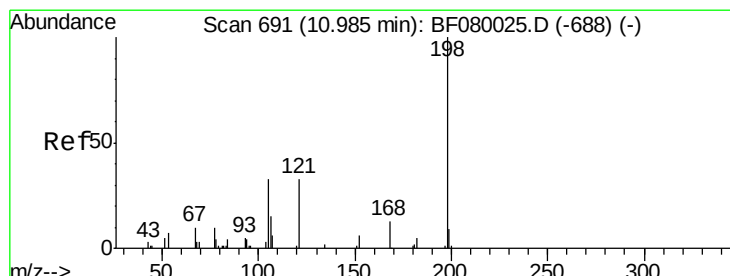
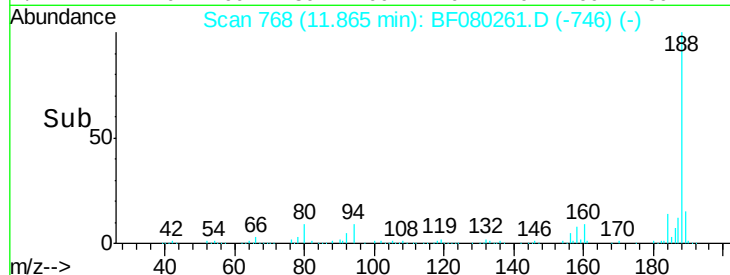
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	11.1	16.7#
80	9.3	11.0	16.4#



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

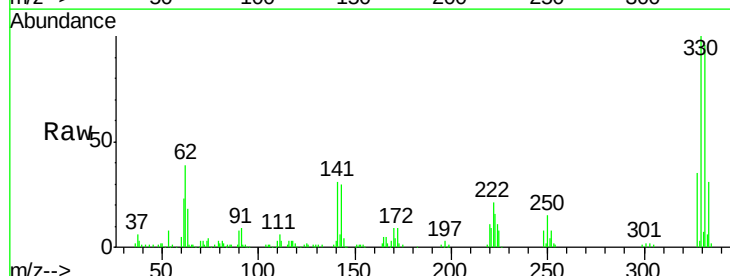


Time--> 11.80 11.85 11.90

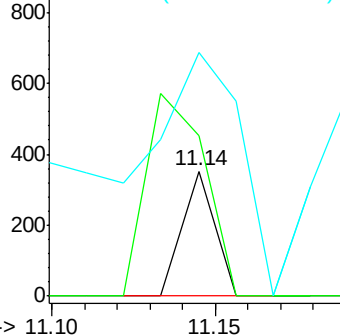


#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.86 ng
 RT: 11.14 min Scan# 705
 Delta R.T. 0.17 min
 Lab File: BF080261.D
 Acq: 1 Jul 2015 6:55

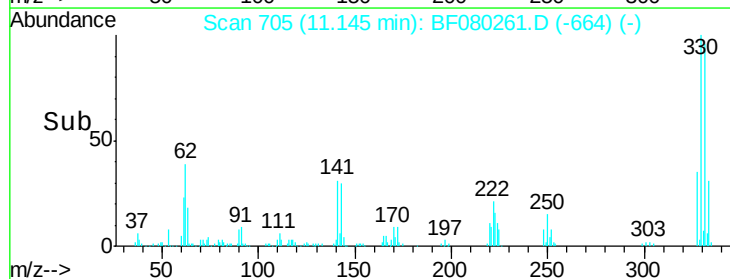
Tgt Ion	Ratio	Lower	Upper
198	100		
51	128.7	39.6	79.6#
105	195.2	28.5	68.5#

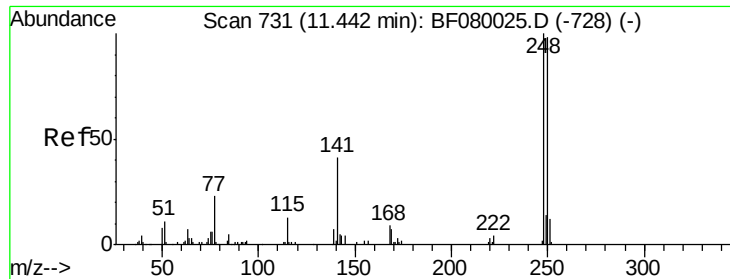


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E



Time--> 11.10 11.15

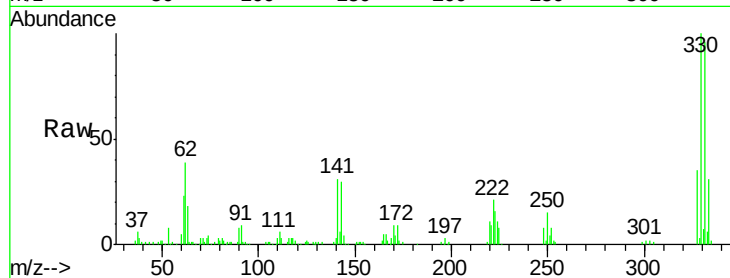




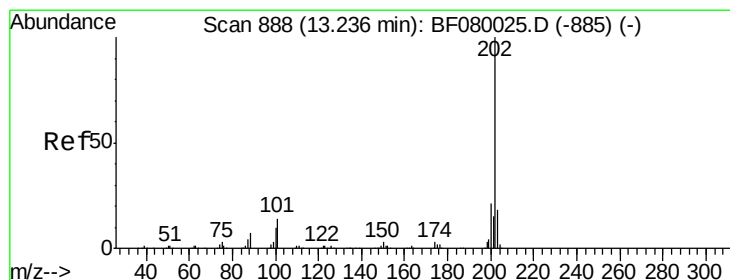
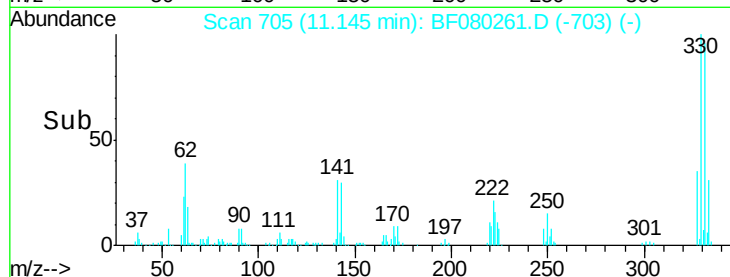
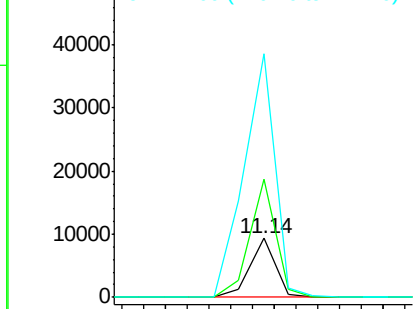
#66
4-Bromophenyl-phenylether
Concen: 4.64 ng
RT: 11.14 min Scan# 705
Delta R.T. -0.27 min
Lab File: BF080261.D
Acq: 1 Jul 2015 6:55

Instrument :
BNA_F
ClientSampled :
TEC-B14

Tgt Ion:248 Resp: 7698
Ion Ratio Lower Upper
248 100
250 201.2 78.5 117.7#
141 412.9 59.0 88.6#

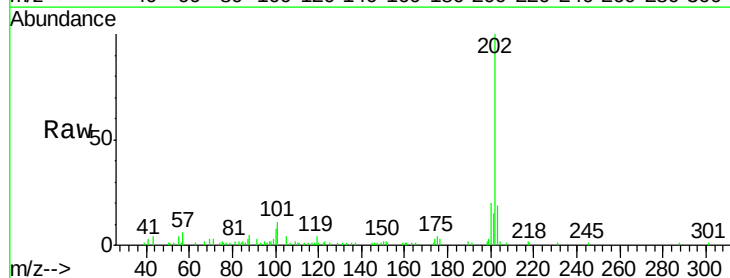


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

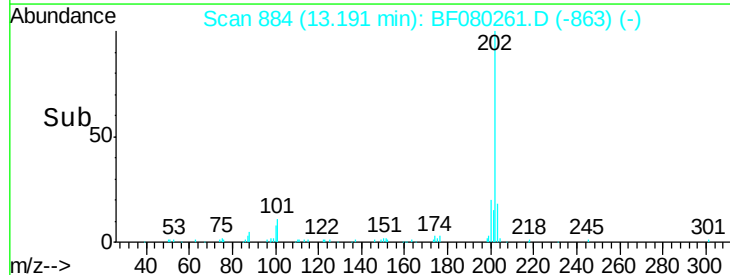
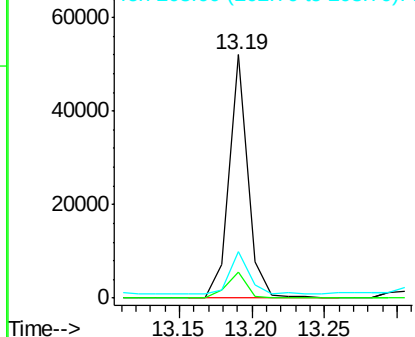


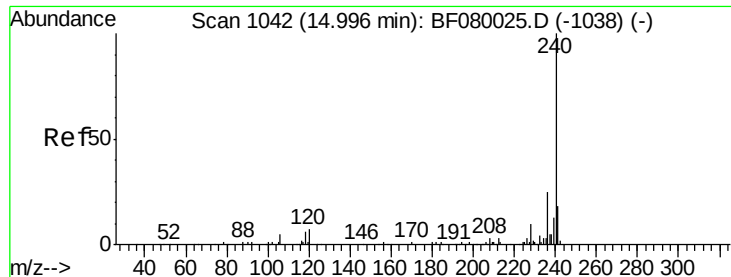
#74
Fluoranthene
Concen: 4.65 ng
RT: 13.19 min Scan# 884
Delta R.T. -0.06 min
Lab File: BF080261.D
Acq: 1 Jul 2015 6:55

Tgt Ion:202 Resp: 46828
Ion Ratio Lower Upper
202 100
101 10.7 0.0 38.3
203 19.2 0.0 37.3



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: 14.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Instrument :

BNA_F

ClientSampleId :

TEC-B14

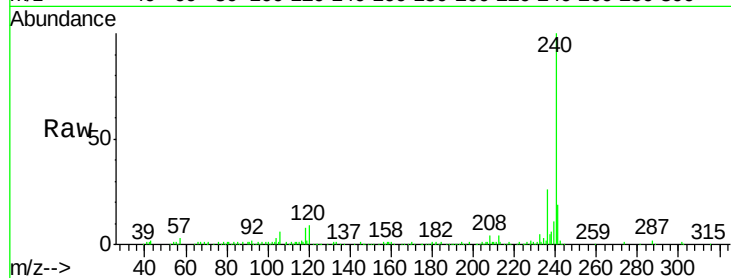
Tgt Ion:240 Resp: 160631

Ion Ratio Lower Upper

240 100

120 9.5 16.2 24.2#

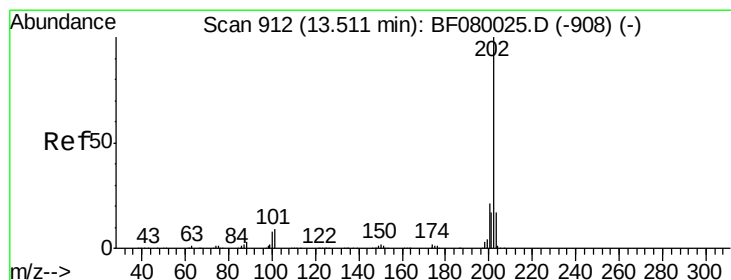
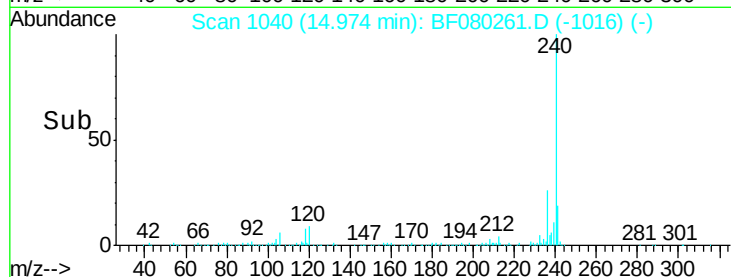
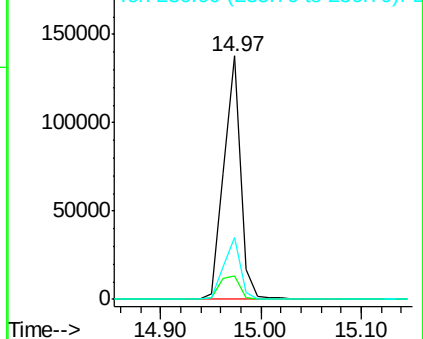
236 25.5 18.4 27.6



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: 4.36 ng

RT: 13.47 min Scan# 908

Delta R.T. -0.05 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

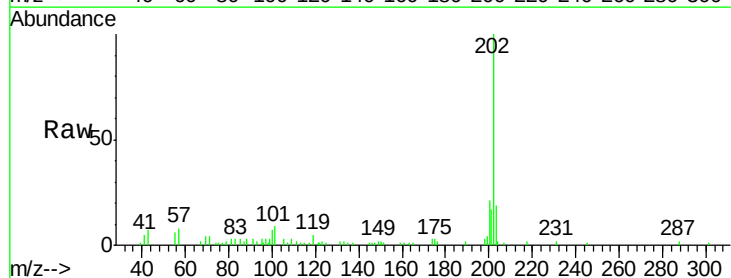
Tgt Ion:202 Resp: 43123

Ion Ratio Lower Upper

202 100

200 21.0 15.0 22.4

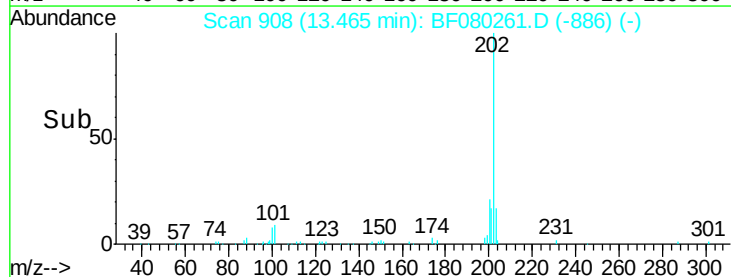
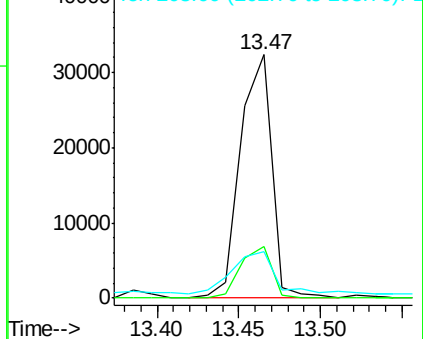
203 19.0 14.1 21.1

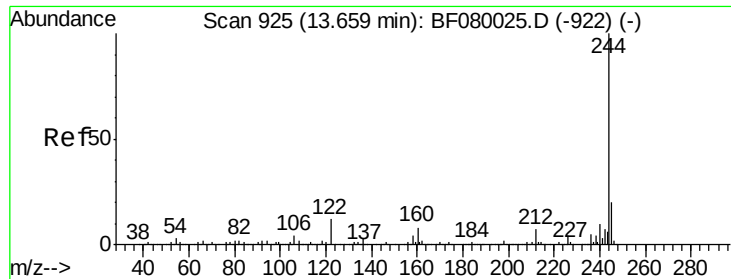


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

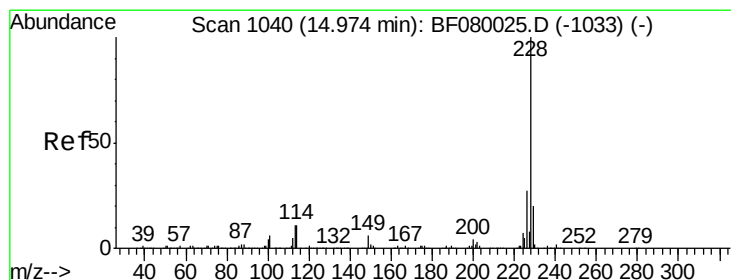
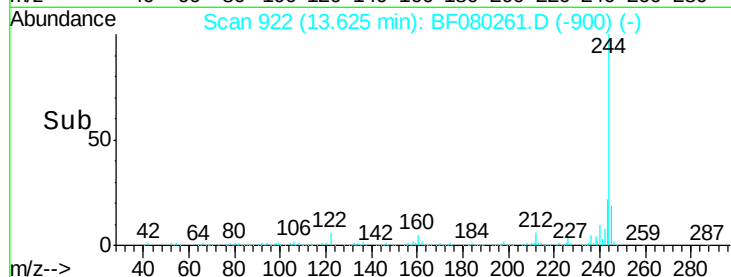
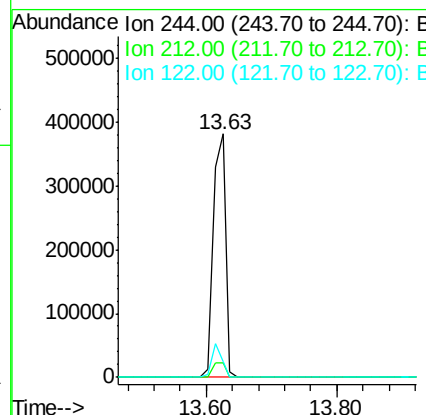
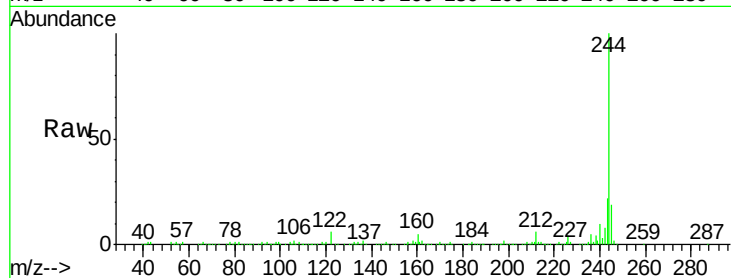




#78
 Terphenyl-d14
 Concen: 73.87 ng
 RT: 13.63 min Scan# 922
 Delta R.T. -0.05 min
 Lab File: BF080261.D
 Acq: 1 Jul 2015 6:55

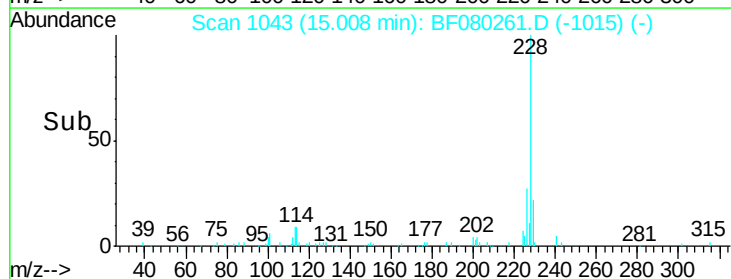
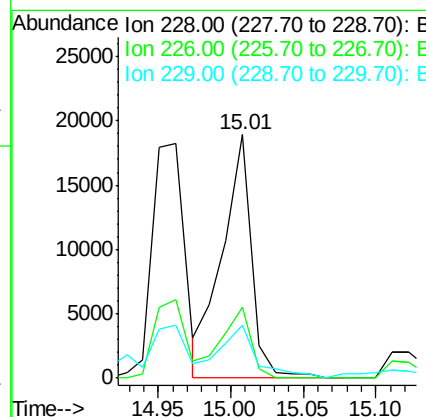
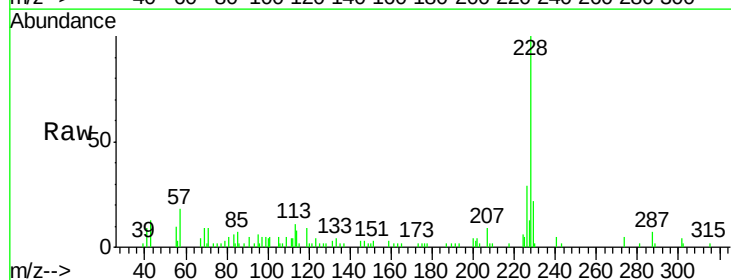
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B14

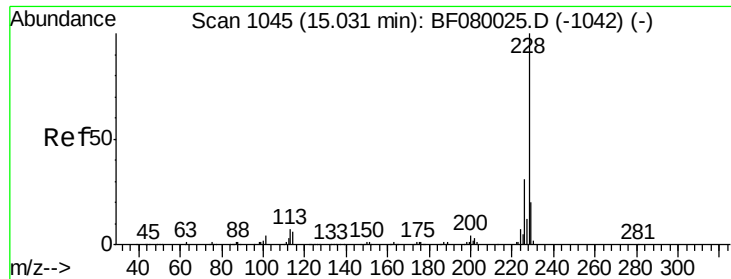
Tgt Ion:244 Resp: 508067
 Ion Ratio Lower Upper
 244 100
 212 6.2 4.3 6.5
 122 6.5 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 2.73 ng
 RT: 15.01 min Scan# 1043
 Delta R.T. 0.02 min
 Lab File: BF080261.D
 Acq: 1 Jul 2015 6:55

Tgt Ion:228 Resp: 26704
 Ion Ratio Lower Upper
 228 100
 226 29.1 20.0 30.0
 229 21.7 15.4 23.2





#82

Chrysene

Concen: 2.96 ng

RT: 15.01 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Instrument :

BNA_F

ClientSampleId :

TEC-B14

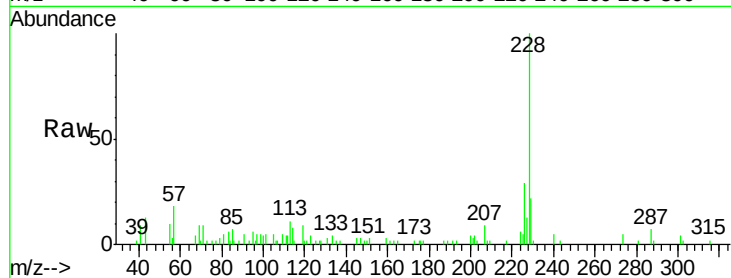
Tgt Ion:228 Resp: 26704

Ion Ratio Lower Upper

228 100

226 29.1 21.0 31.4

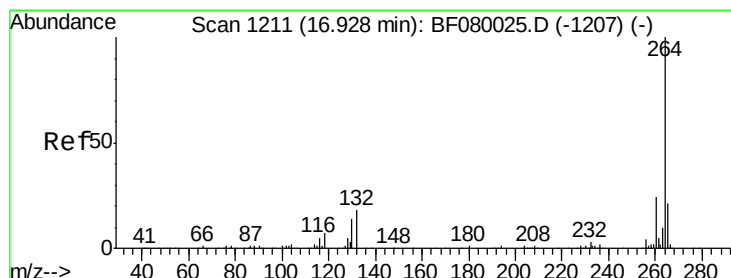
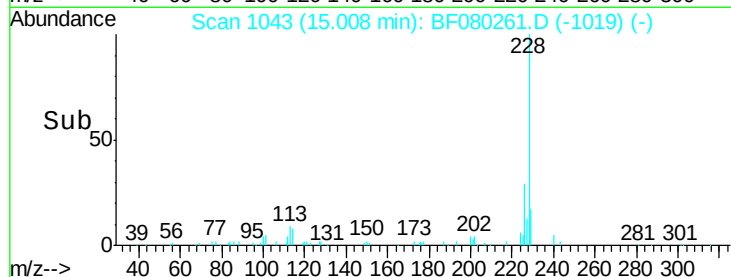
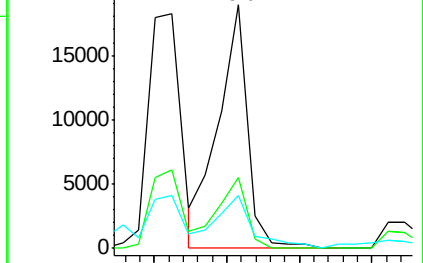
229 21.7 15.6 23.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.95 min Scan# 1213

Delta R.T. 0.02 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

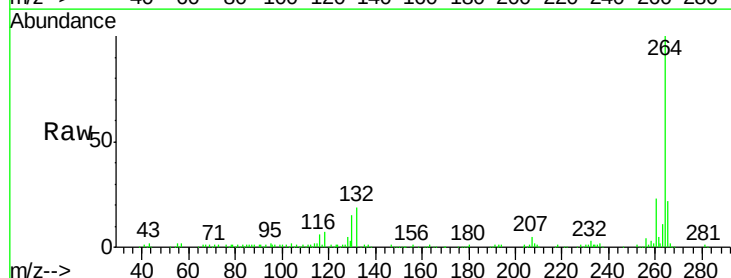
Tgt Ion:264 Resp: 158696

Ion Ratio Lower Upper

264 100

260 23.1 16.7 25.1

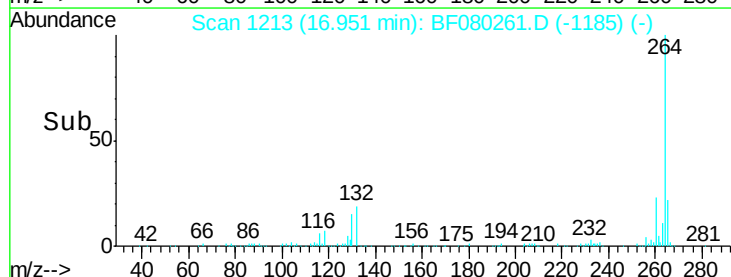
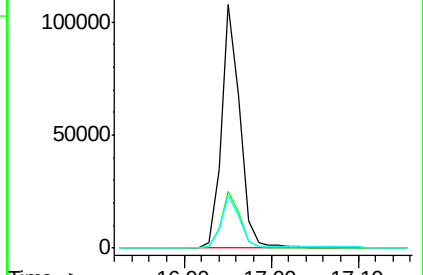
265 21.7 17.2 25.8

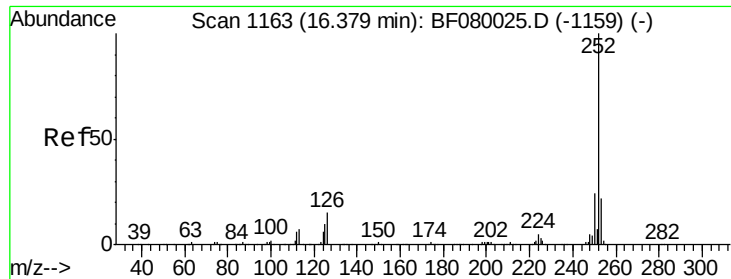


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

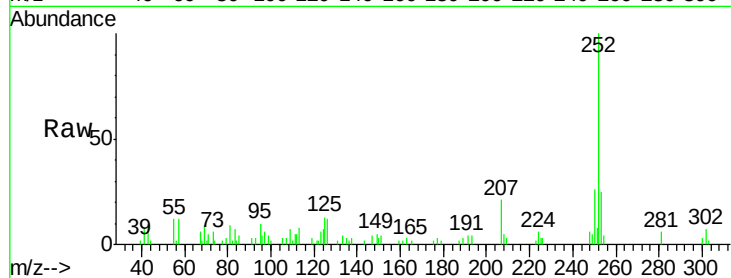




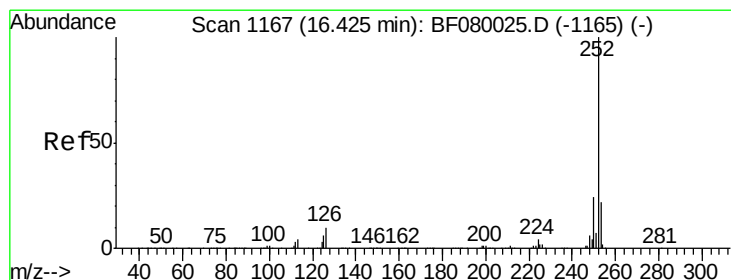
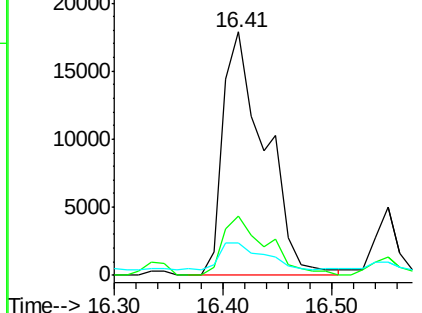
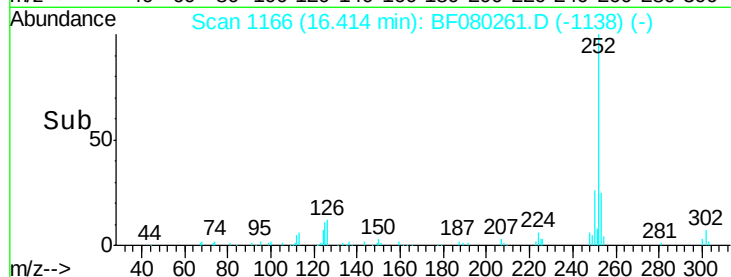
#87
Benzo(b)fluoranthene
Concen: 5.00 ng
RT: 16.41 min Scan# 1166
Delta R.T. 0.02 min
Lab File: BF080261.D
Acq: 1 Jul 2015 6:55

Instrument :
BNA_F
ClientSampleId :
TEC-B14

Tgt Ion:252 Resp: 48019
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 13.5 17.1 25.7#

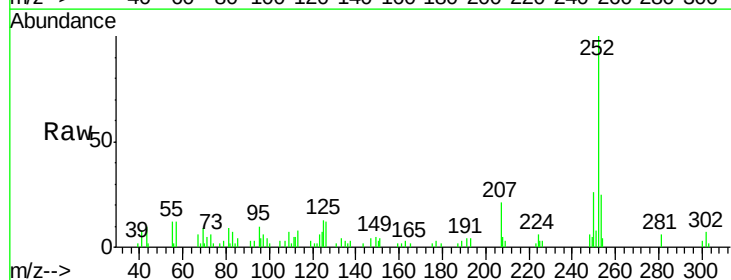


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

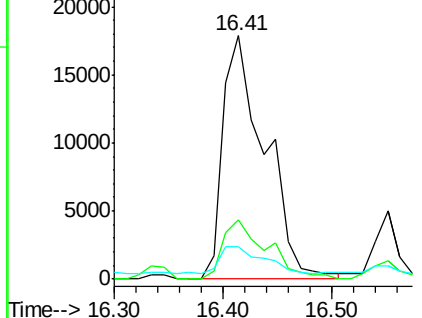
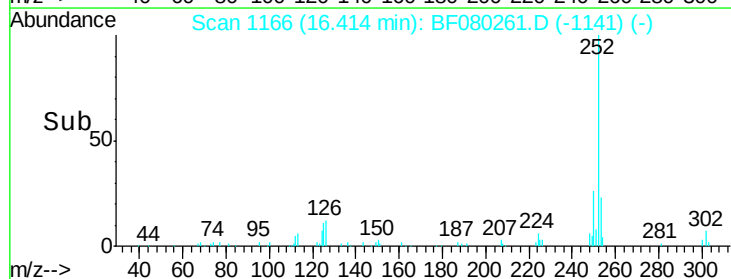


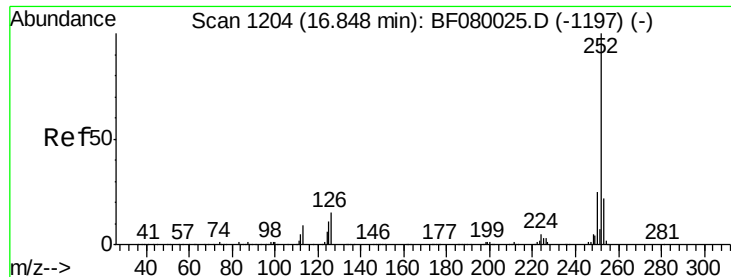
#88
Benzo(k)fluoranthene
Concen: 4.91 ng
RT: 16.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF080261.D
Acq: 1 Jul 2015 6:55

Tgt Ion:252 Resp: 48019
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 13.5 16.0 24.0#



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: 2.89 ng

RT: 16.87 min Scan# 1206

Delta R.T. 0.02 min

Lab File: BF080261.D

Acq: 1 Jul 2015 6:55

Instrument :

BNA_F

ClientSampleId :

TEC-B14

Tgt Ion: 252 Resp: 26364

Ion Ratio Lower Upper

252 100

253 25.3 17.2 25.8

125 14.6 18.0 27.0#

