

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070815\
 Data File : BF080387.D
 Acq On : 8 Jul 2015 14:54
 Operator : TP/UM
 Sample : PB84381BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB84381BL

Quant Time: Jul 09 00:57:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 00:53:49 2015
 Response via : Initial Calibration

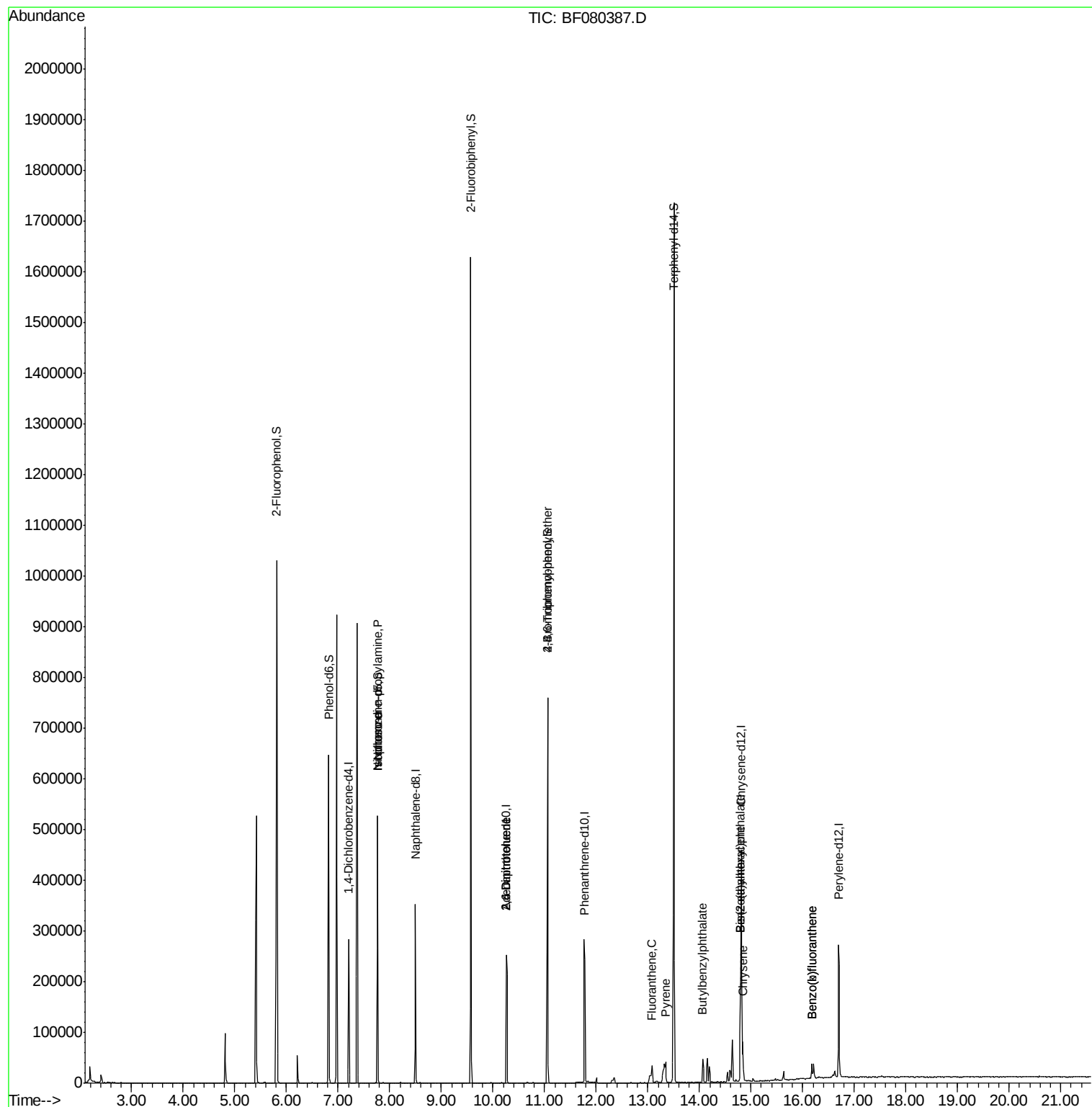
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.21	152	39416	20.00	ng	0.00
21) Naphthalene-d8	8.50	136	148362	20.00	ng	0.00
38) Acenaphthene-d10	10.26	164	69024	20.00	ng	-0.01
63) Phenanthrene-d10	11.78	188	152411	20.00	ng	0.00
75) Chrysene-d12	14.81	240	192500	20.00	ng	-0.03
86) Perylene-d12	16.69	264	163102	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	269022	125.00	ng	0.00
7) Phenol-d6	6.82	99	329000	115.33	ng	0.00
23) Nitrobenzene-d5	7.77	82	188758	74.21	ng	0.00
41) 2,4,6-Tribromophenol	11.06	330	89657	124.14	ng	0.00
44) 2-Fluorobiphenyl	9.57	172	440819	86.19	ng	0.00
78) Terphenyl-d14	13.51	244	579476	70.21	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.77	70	24316	13.14	ng	# 77
25) Isophorone	7.77	82	188752	38.55	ng	# 69
50) 2,6-Dinitrotoluene	10.26	165	9266	8.00	ng	# 23
56) 2,4-Dinitrotoluene	10.26	165	9264	6.22	ng	# 35
66) 4-Bromophenyl-phenylether	11.06	248	6667	3.82	ng	# 1
74) Fluoranthene	13.08	202	41484	4.22	ng	99
77) Pyrene	13.35	202	48264	4.15	ng	99
79) Butylbenzylphthalate	14.07	149	14666	3.16	ng	# 78
80) Benzo(a)anthracene	14.80	228	61705	5.32	ng	99
82) Chrysene	14.84	228	46149	4.25	ng	99
83) Bis(2-ethylhexyl)phthalate	14.80	149	19946	2.82	ng	99
87) Benzo(b)fluoranthene	16.18	252	21979	2.14	ng	98
88) Benzo(k)fluoranthene	16.18	252	21979	2.27	ng	97

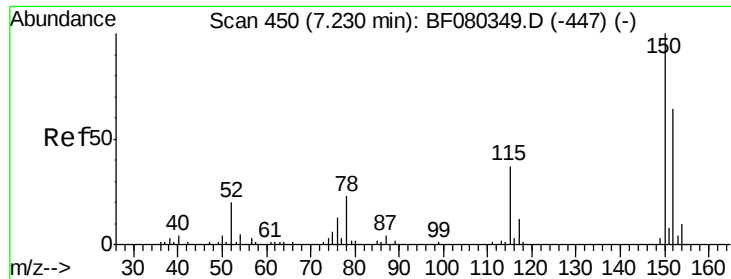
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

Instrument :

BNA_F

ClientSampled :

PB84381BL

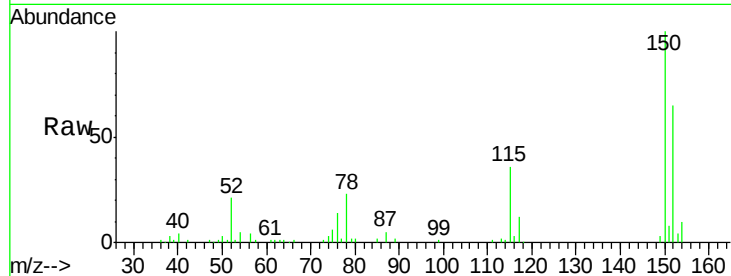
Tgt Ion:152 Resp: 39416

Ion Ratio Lower Upper

152 100

150 154.6 124.7 187.1

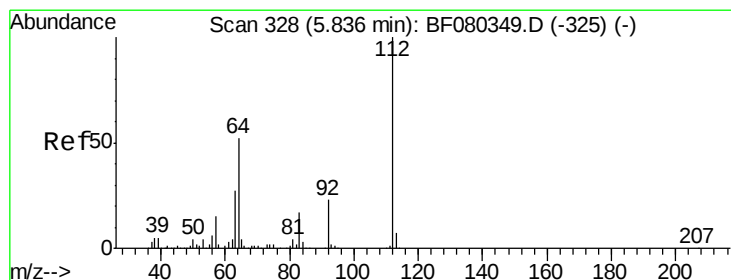
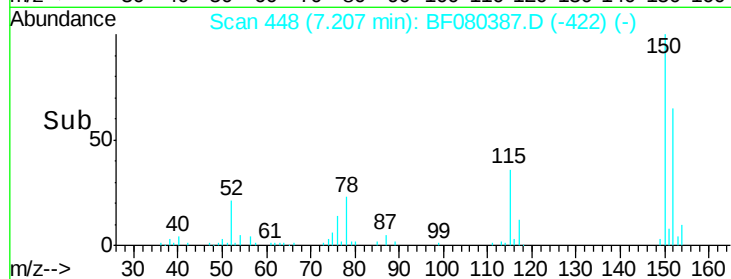
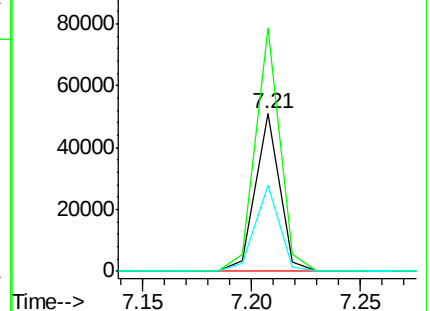
115 55.0 45.7 68.5



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



#5

2-Fluorophenol

Concen: 125.00 ng

RT: 5.81 min Scan# 326

Delta R.T. -0.00 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

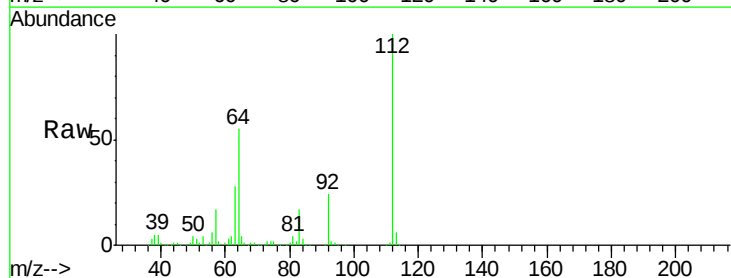
Tgt Ion:112 Resp: 269022

Ion Ratio Lower Upper

112 100

64 55.5 41.8 62.6

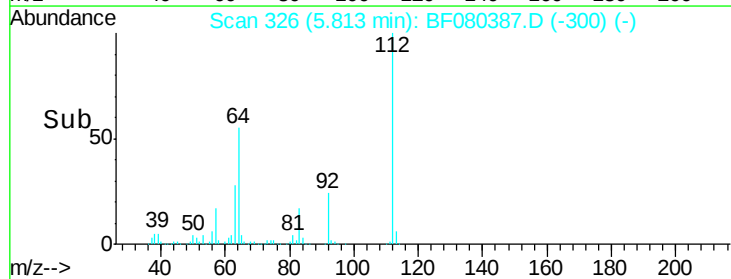
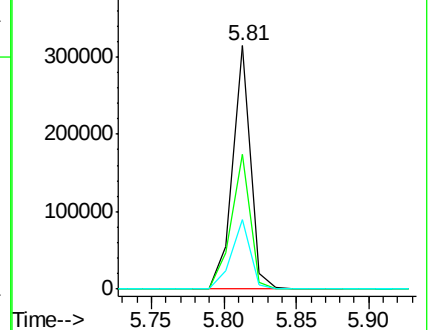
63 28.5 21.5 32.3

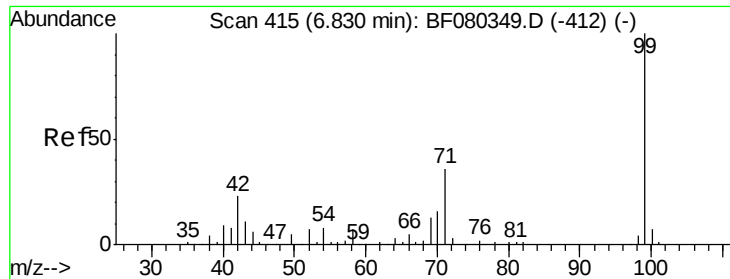


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.33 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

Instrument :

BNA_F

ClientSampleId :

PB84381BL

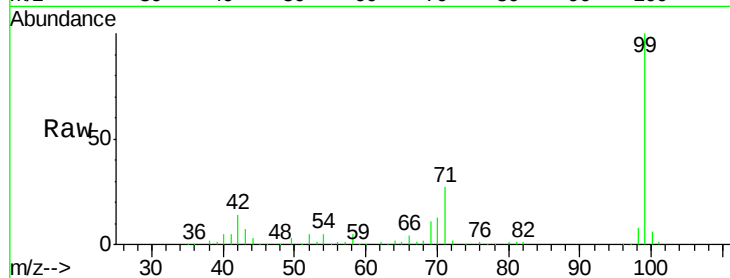
Tgt Ion: 99 Resp: 329000

Ion Ratio Lower Upper

99 100

42 13.6 18.5 27.7#

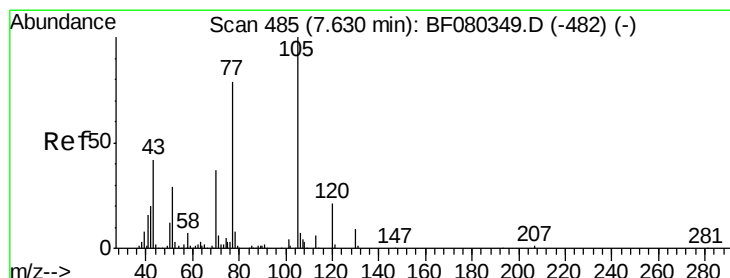
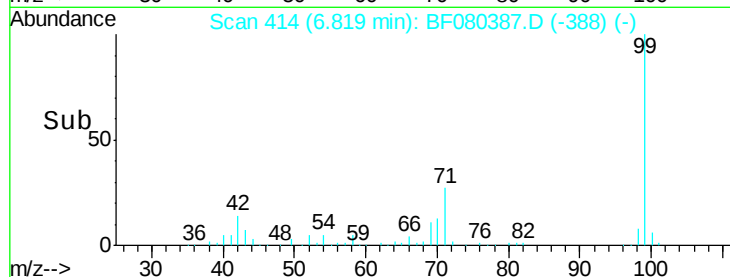
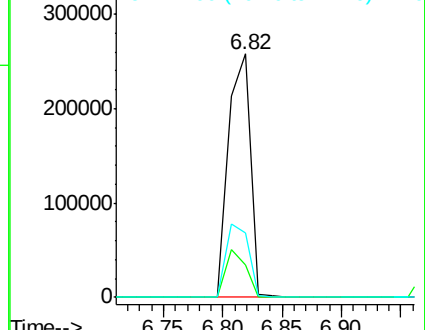
71 26.6 28.5 42.7#



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: 13.14 ng

RT: 7.77 min Scan# 497

Delta R.T. 0.16 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

Tgt Ion: 70 Resp: 24316

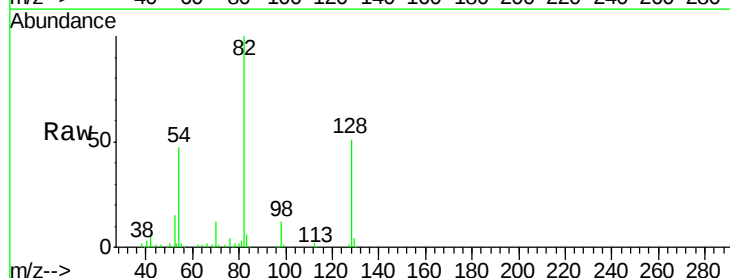
Ion Ratio Lower Upper

70 100

42 45.1 43.0 64.6

101 0.0 8.3 12.5#

130 2.3 20.2 30.2#

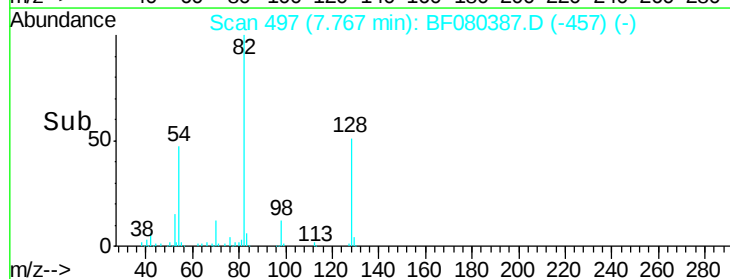
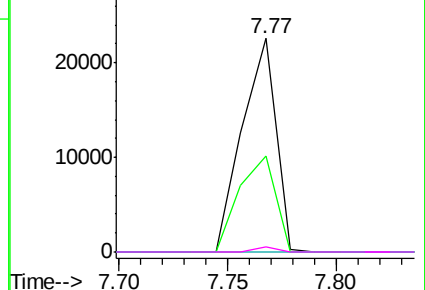


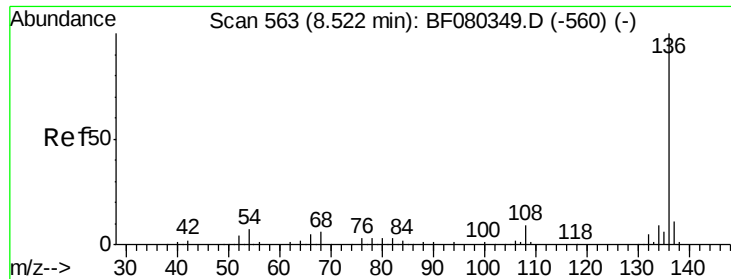
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

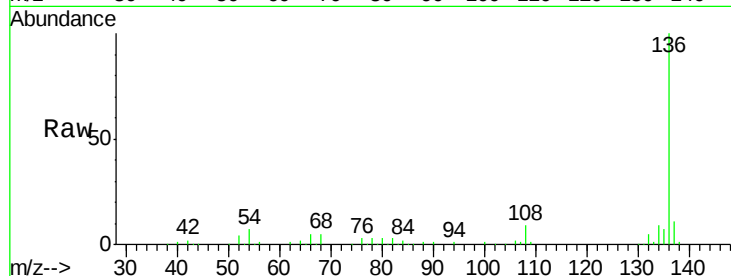




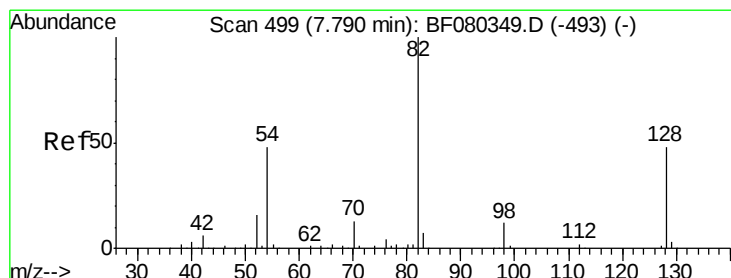
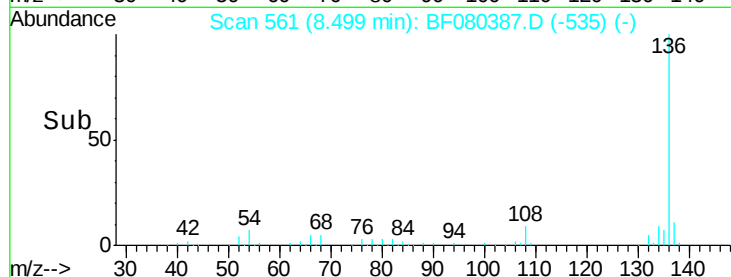
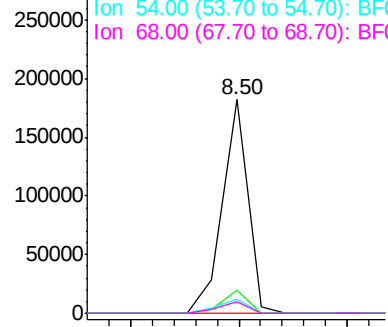
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.50 min Scan# 561
Delta R.T. -0.00 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

Instrument :
BNA_F
ClientSampled :
PB84381BL

Tgt Ion:	136	Resp:	148362
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.8	5.8	8.8
68	5.3	4.6	6.8

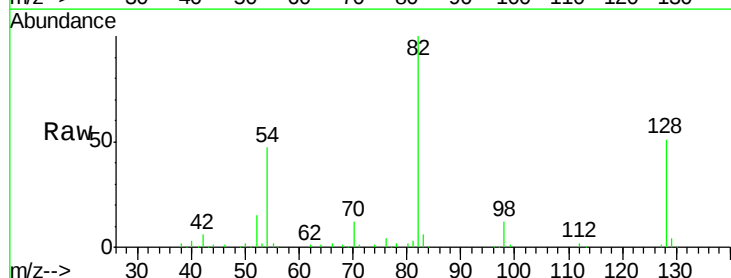


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

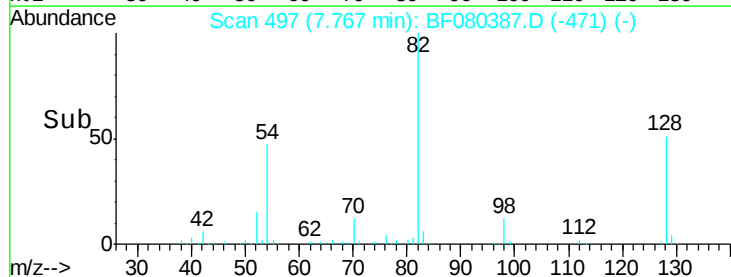
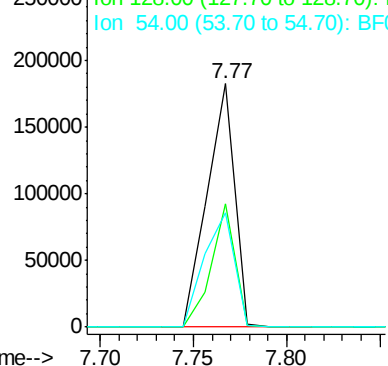


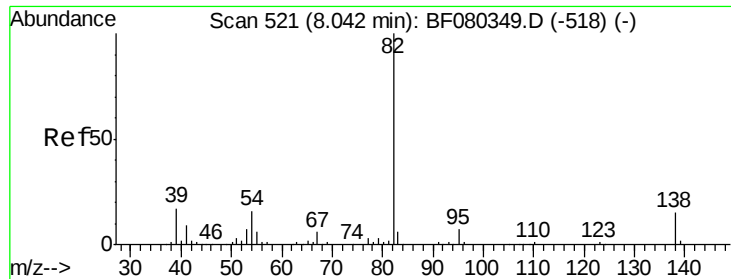
#23
Nitrobenzene-d5
Concen: 74.21 ng
RT: 7.77 min Scan# 497
Delta R.T. -0.00 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

Tgt Ion:	82	Resp:	188758
Ion	Ratio	Lower	Upper
82	100		
128	50.7	38.4	57.6
54	46.8	38.2	57.2



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





#25

Isophorone

Concen: 38.55 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.25 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

Instrument :

BNA_F

ClientSampled :

PB84381BL

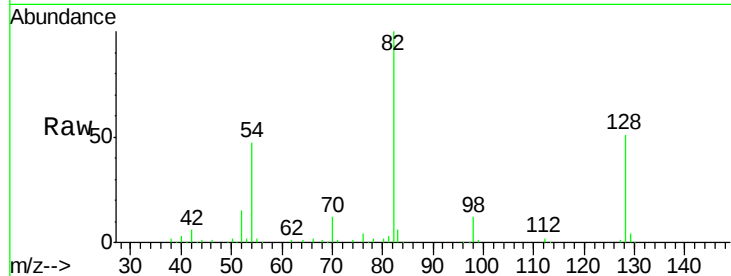
Tgt Ion: 82 Resp: 188752

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

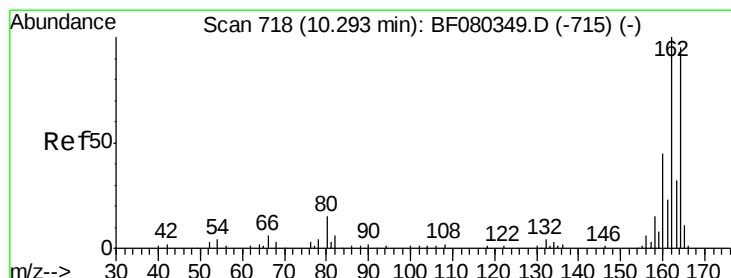
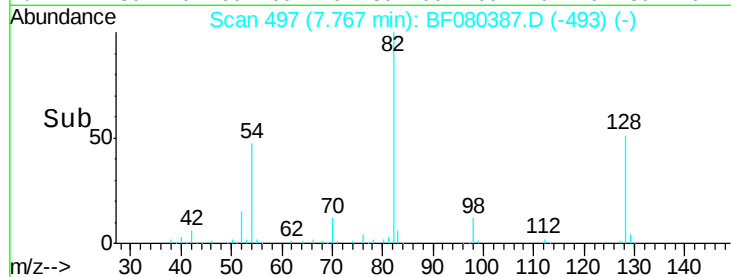
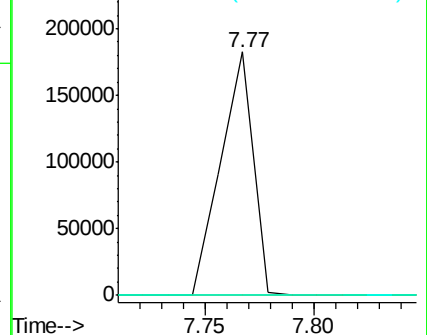
138 0.0 12.0 18.0#



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: 10.26 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

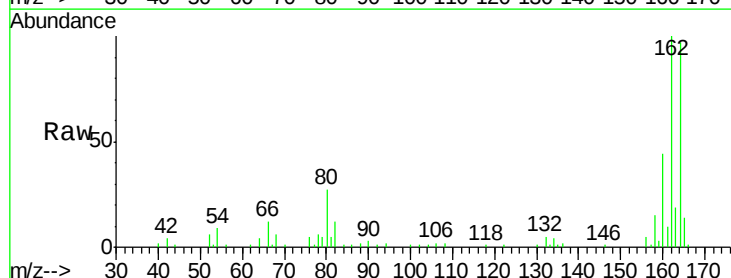
Tgt Ion: 164 Resp: 69024

Ion Ratio Lower Upper

164 100

162 103.5 84.5 126.7

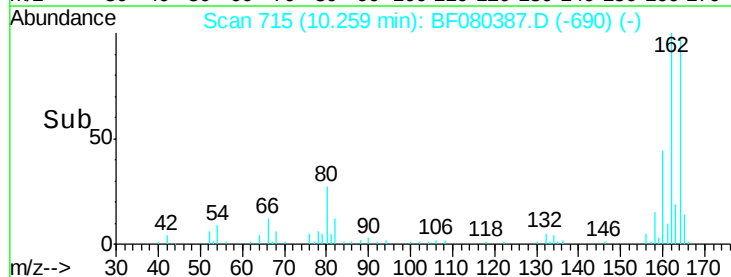
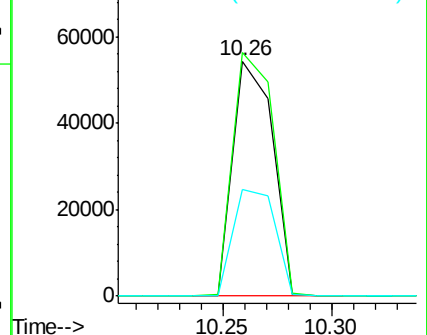
160 45.1 37.7 56.5

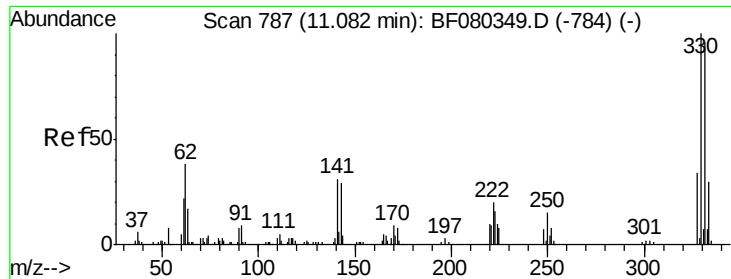


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

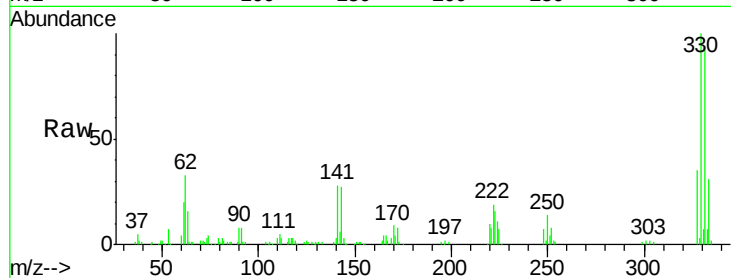




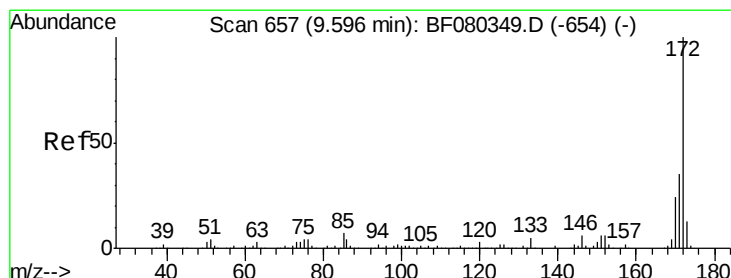
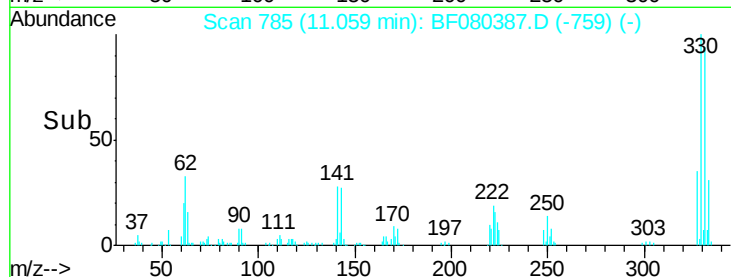
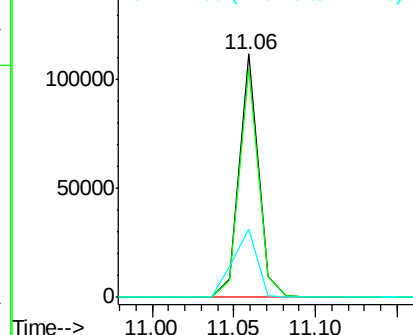
#41
 2,4,6-Tribromophenol
 Concen: 124.14 ng
 RT: 11.06 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BF080387.D
 Acq: 8 Jul 2015 14:54

Instrument :
 BNA_F
 ClientSampleId :
 PB84381BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.4
141	35.7	29.6	44.4

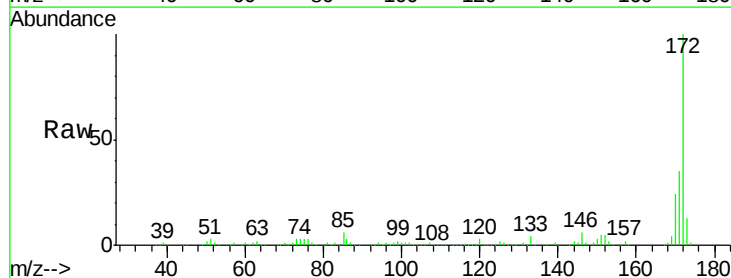


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

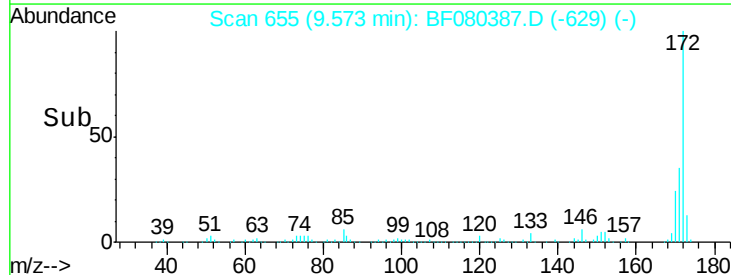
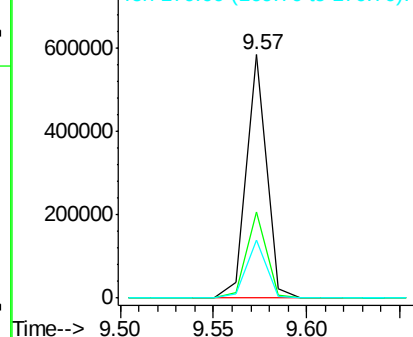


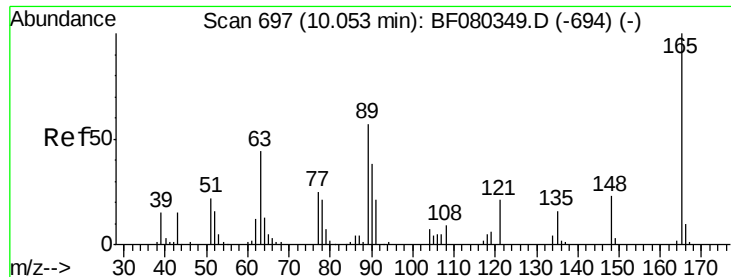
#44
 2-Fluorobiphenyl
 Concen: 86.19 ng
 RT: 9.57 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF080387.D
 Acq: 8 Jul 2015 14:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	24.0	19.1	28.7



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

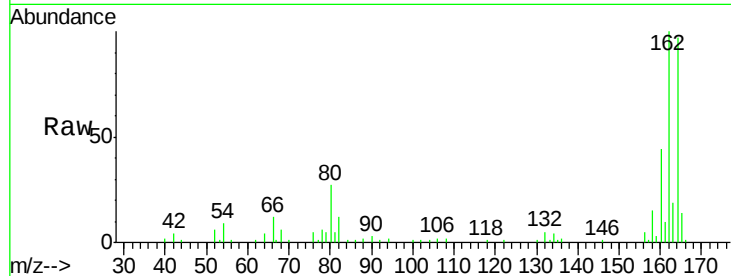




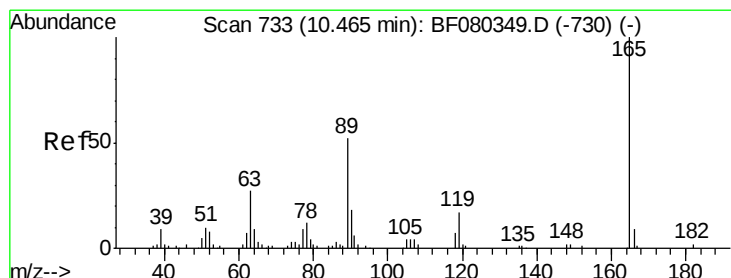
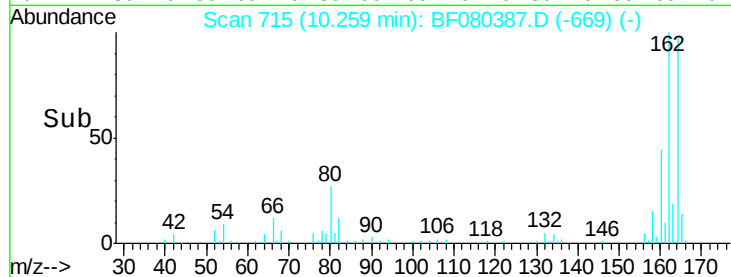
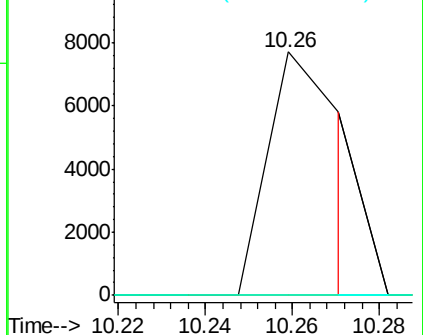
#50
 2,6-Dinitrotoluene
 Concen: 8.00 ng
 RT: 10.26 min Scan# 715
 Delta R.T. 0.23 min
 Lab File: BF080387.D
 Acq: 8 Jul 2015 14:54

Instrument :
 BNA_F
 ClientSampleId :
 PB84381BL

Tgt Ion:165 Resp: 9266
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.8 67.2#
 89 0.0 45.9 68.9#



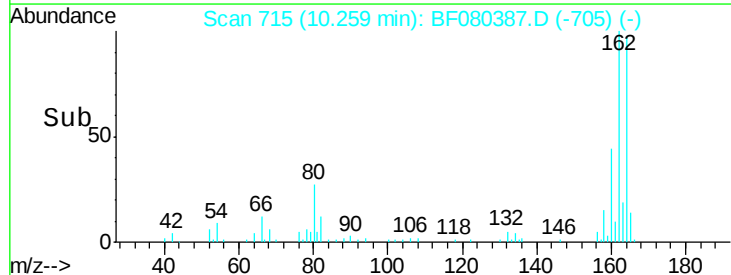
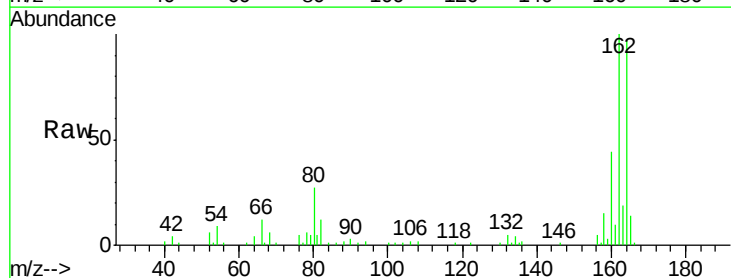
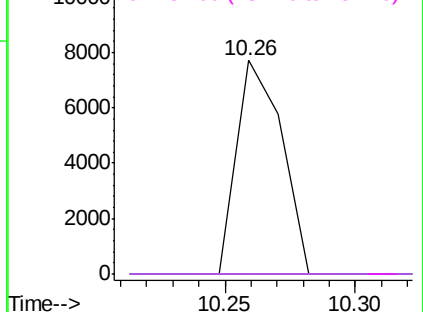
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

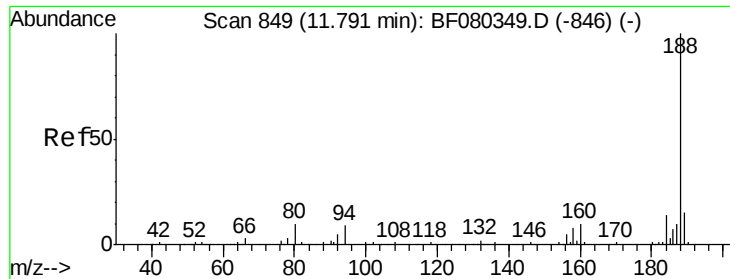


#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 10.26 min Scan# 715
 Delta R.T. -0.18 min
 Lab File: BF080387.D
 Acq: 8 Jul 2015 14:54

Tgt Ion:165 Resp: 9264
 Ion Ratio Lower Upper
 165 100
 63 0.0 21.8 32.8#
 89 0.0 41.3 61.9#
 182 0.0 1.8 2.6#

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

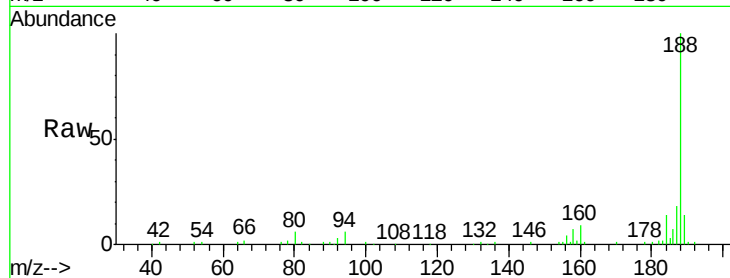




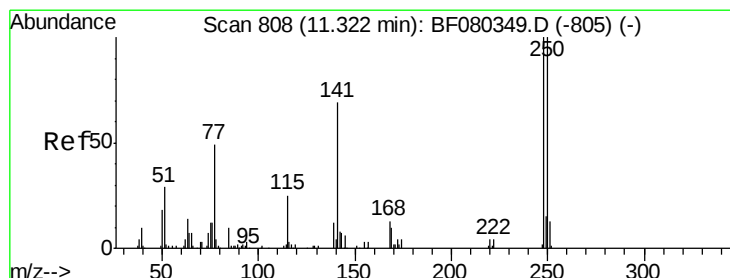
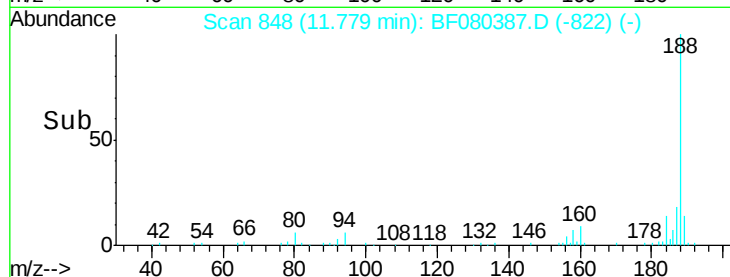
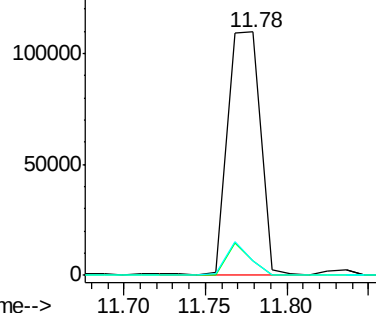
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.78 min Scan# 848
Delta R.T. -0.00 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

Instrument :
BNA_F
ClientSampleId :
PB84381BL

Tgt Ion:188 Resp: 152411
Ion Ratio Lower Upper
188 100
94 6.0 7.5 11.3#
80 5.8 8.3 12.5#

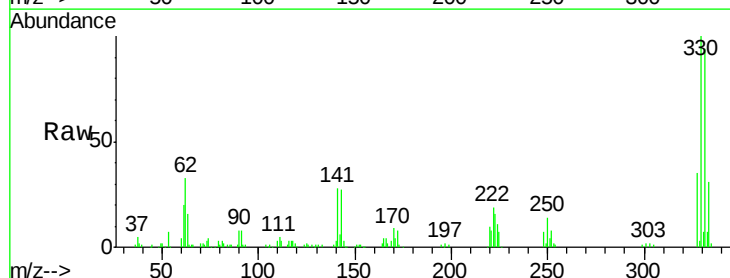


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

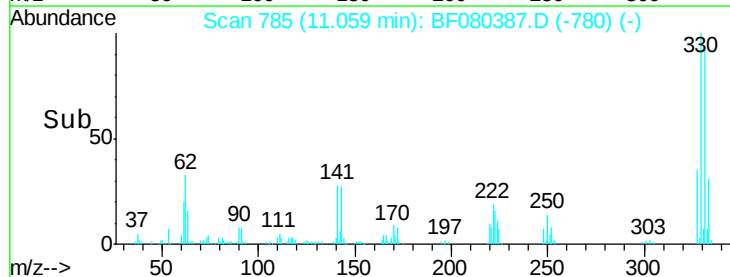
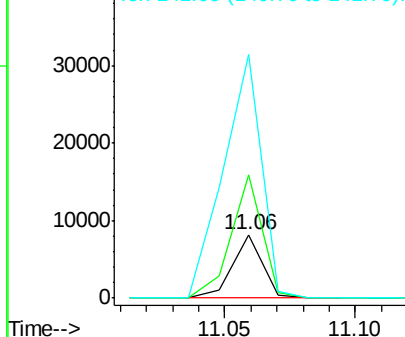


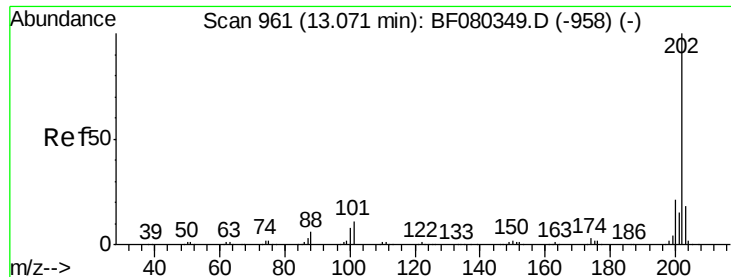
#66
4-Bromophenyl-phenylether
Concen: 3.82 ng
RT: 11.06 min Scan# 785
Delta R.T. -0.24 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

Tgt Ion:248 Resp: 6667
Ion Ratio Lower Upper
248 100
250 194.3 80.0 120.0#
141 381.9 54.8 82.2#



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: 4.22 ng

RT: 13.08 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

Instrument :

BNA_F

ClientSampleId :

PB84381BL

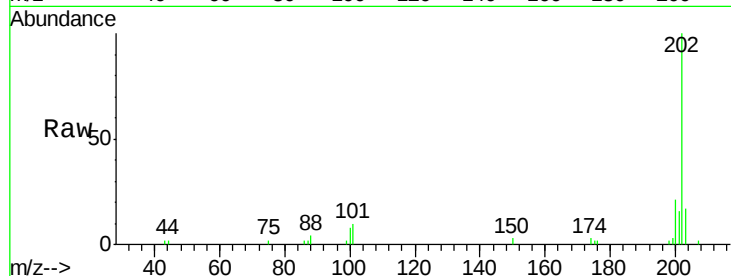
Tgt Ion:202 Resp: 41484

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.0

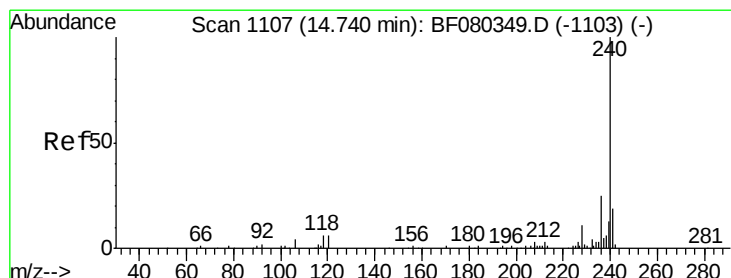
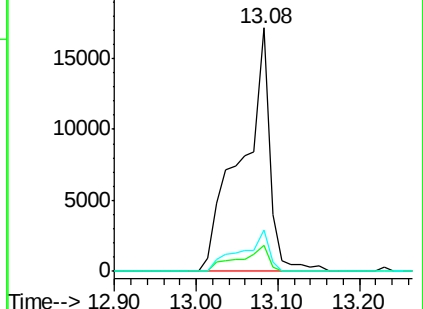
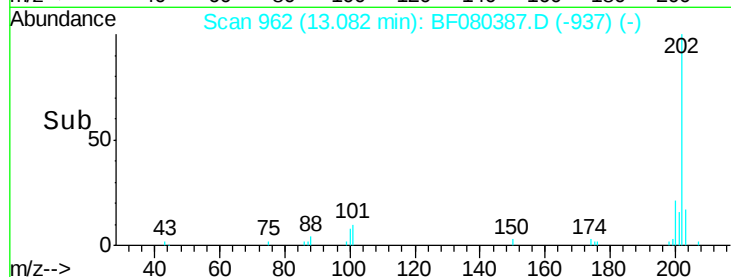
203 16.9 0.0 37.6



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: 14.81 min Scan# 1113

Delta R.T. -0.03 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

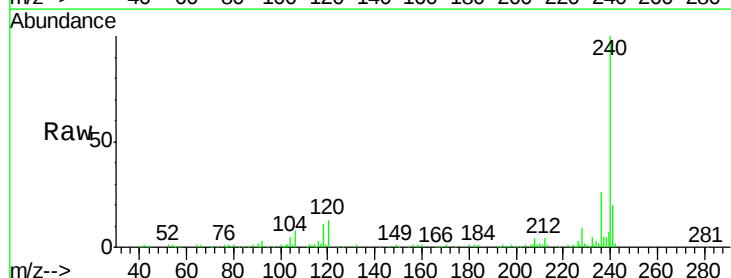
Tgt Ion:240 Resp: 192500

Ion Ratio Lower Upper

240 100

120 12.7 5.1 7.7#

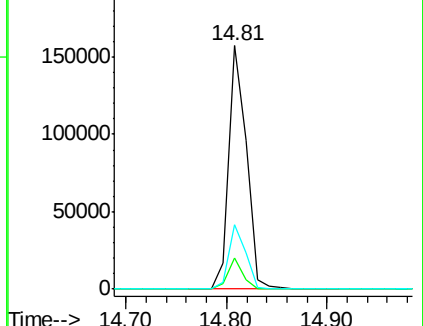
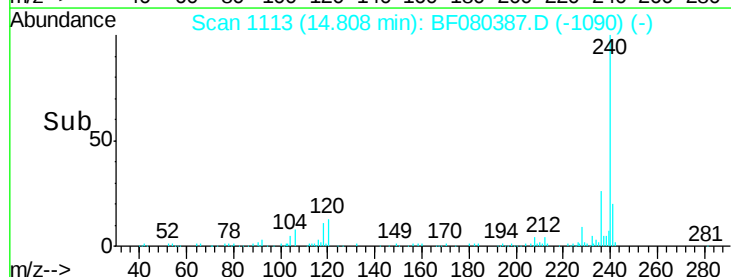
236 26.4 20.4 30.6

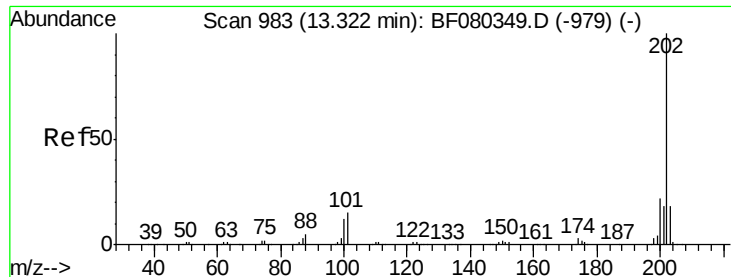


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

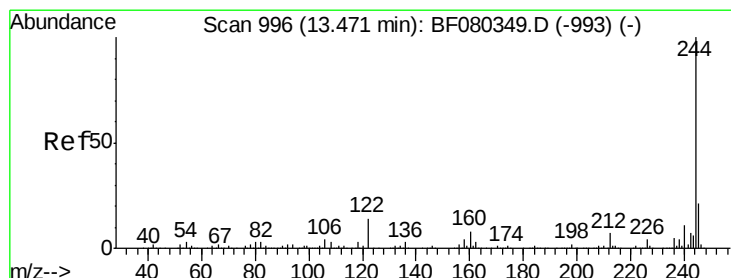
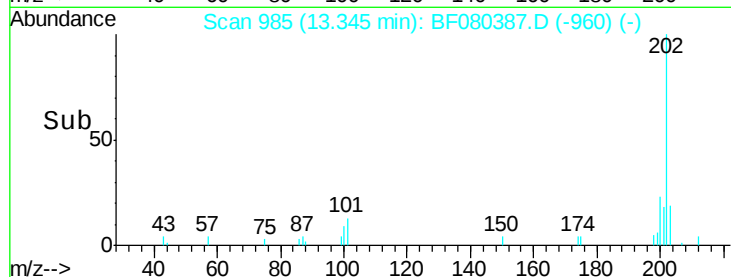
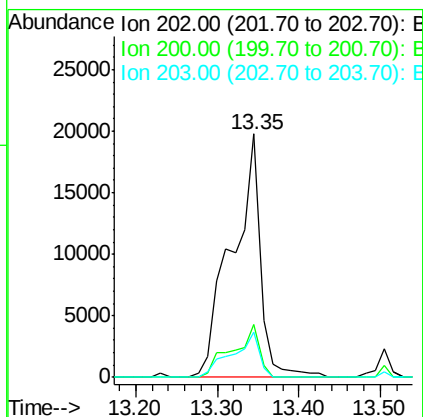
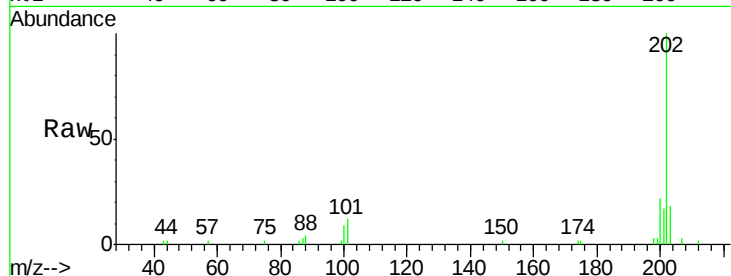




#77
 Pyrene
 Concen: 4.15 ng
 RT: 13.35 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BF080387.D
 Acq: 8 Jul 2015 14:54

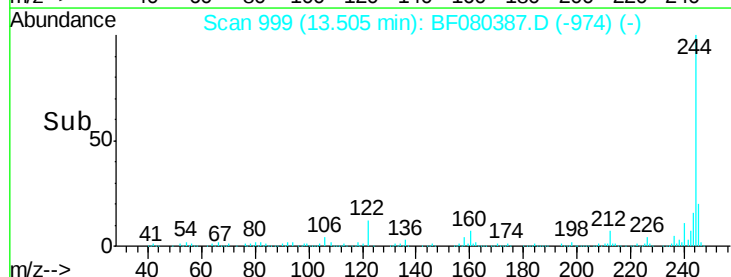
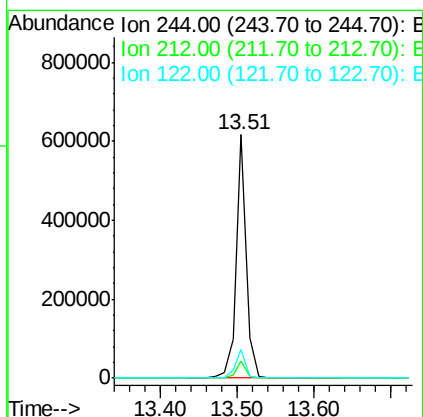
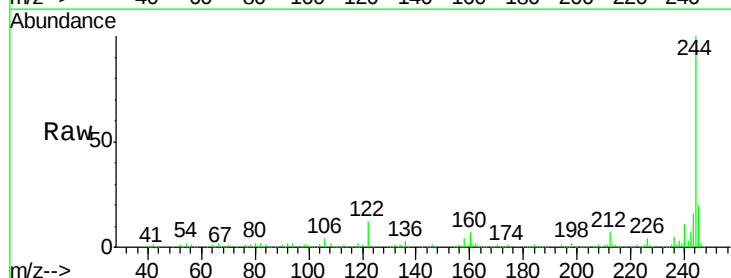
Instrument :
 BNA_F
 ClientSampleId :
 PB84381BL

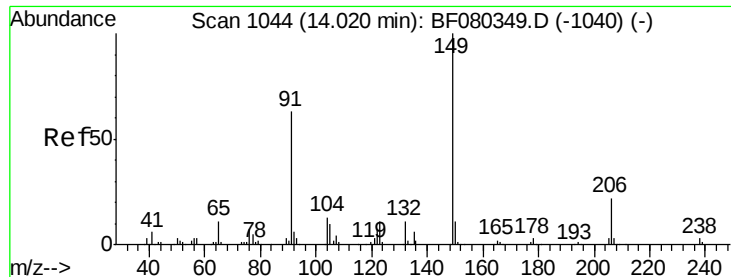
Tgt Ion: 202 Resp: 48264
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.2 25.8
 203 18.3 14.3 21.5



#78
 Terphenyl-d14
 Concen: 70.21 ng
 RT: 13.51 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BF080387.D
 Acq: 8 Jul 2015 14:54

Tgt Ion: 244 Resp: 579476
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 11.7 11.1 16.7

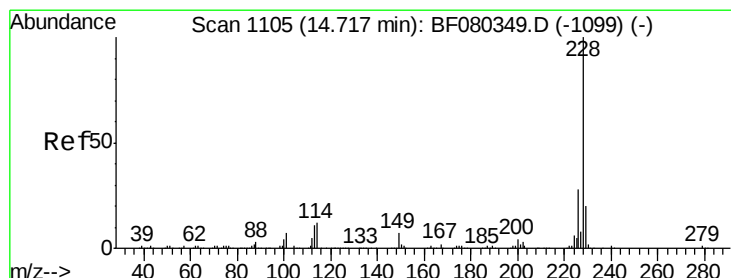
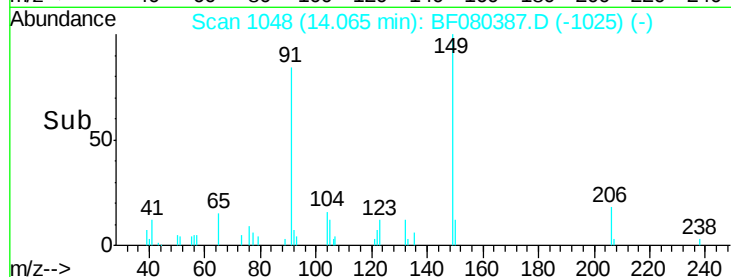
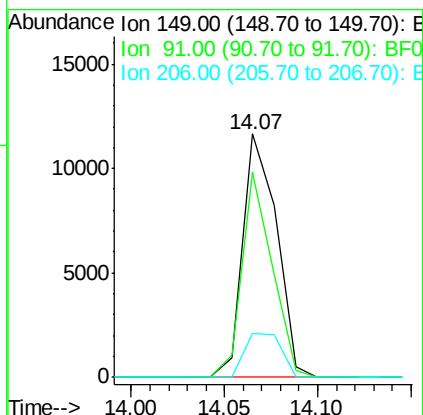
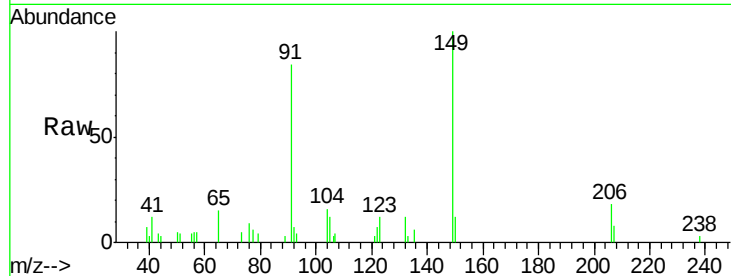




#79
Butylbenzylphthalate
Concen: 3.16 ng
RT: 14.07 min Scan# 1048
Delta R.T. -0.03 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

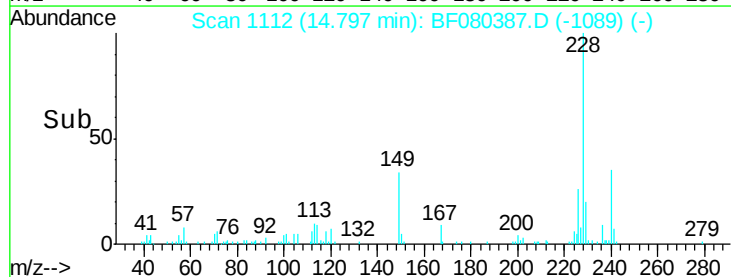
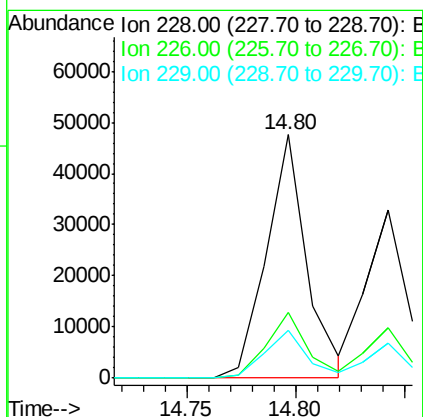
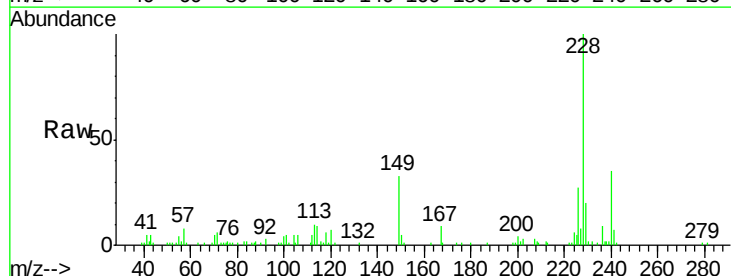
Instrument :
BNA_F
ClientSampleId :
PB84381BL

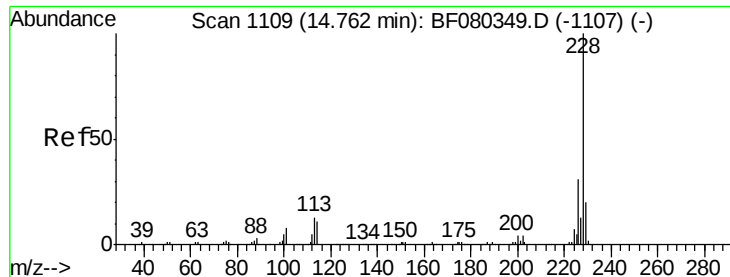
Tgt Ion:149 Resp: 14666
Ion Ratio Lower Upper
149 100
91 84.1 50.8 76.2#
206 18.0 17.6 26.4



#80
Benzo(a)anthracene
Concen: 5.32 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

Tgt Ion:228 Resp: 61705
Ion Ratio Lower Upper
228 100
226 26.8 22.2 33.4
229 19.6 16.0 24.0





#82

Chrysene

Concen: 4.25 ng

RT: 14.84 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

Instrument :

BNA_F

ClientSampleId :

PB84381BL

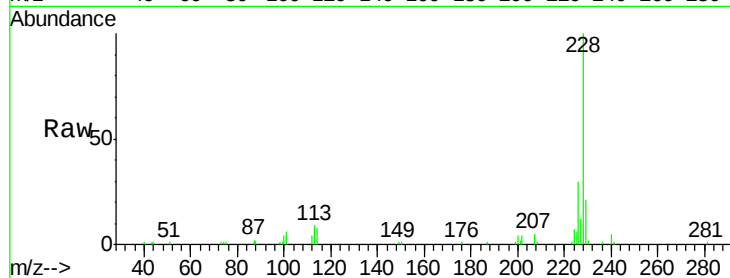
Tgt Ion:228 Resp: 46149

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.4

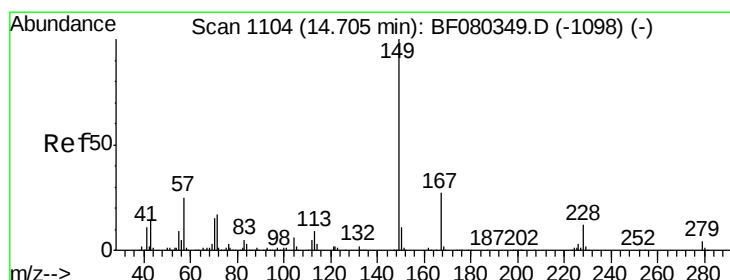
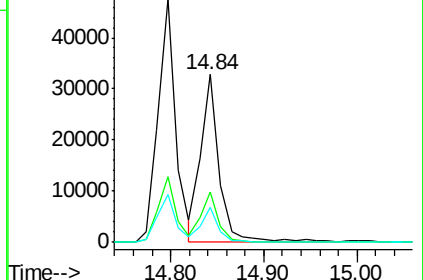
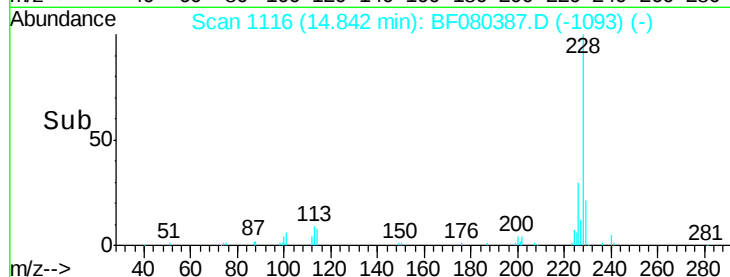
229 20.6 16.1 24.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.82 ng

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF080387.D

Acq: 8 Jul 2015 14:54

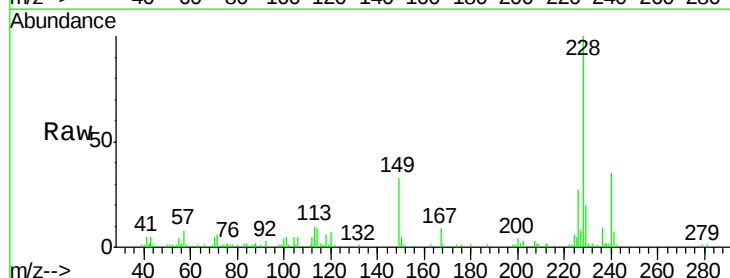
Tgt Ion:149 Resp: 19946

Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

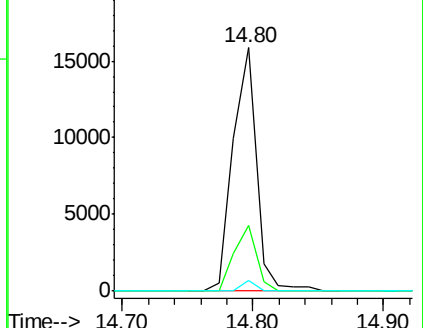
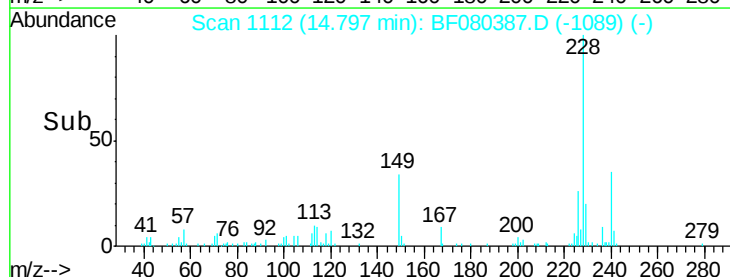
279 4.1 2.9 4.3

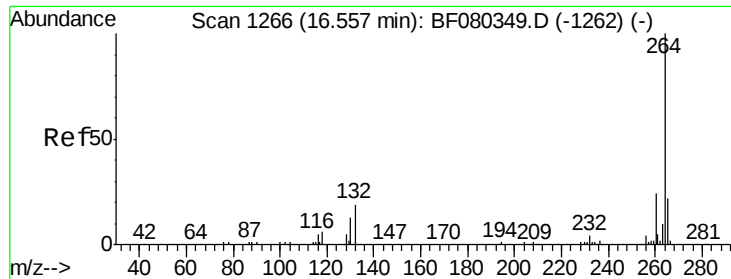


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

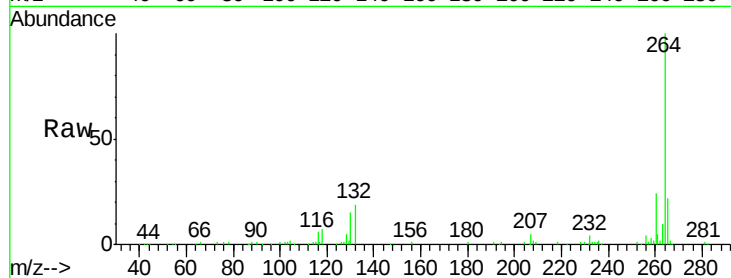




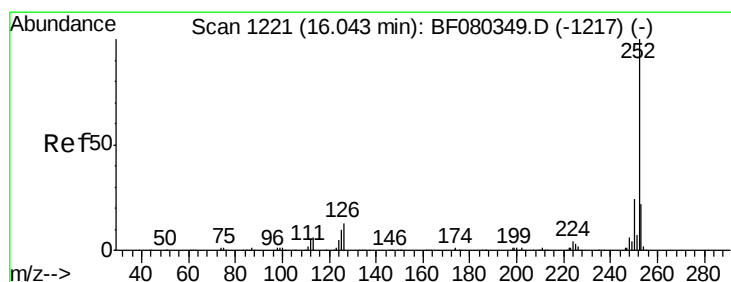
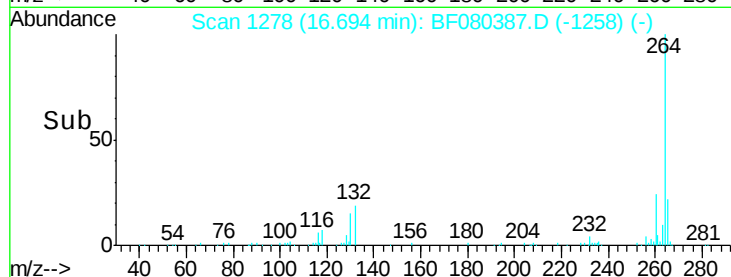
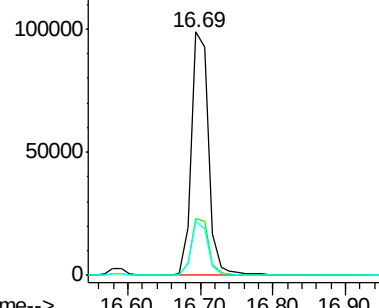
#86
Perylene-d12
Concen: 20.00 ng
RT: 16.69 min Scan# 1278
Delta R.T. -0.07 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

Instrument :
BNA_F
ClientSampleId :
PB84381BL

Tgt Ion: 264 Resp: 163102
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.3 17.6 26.4

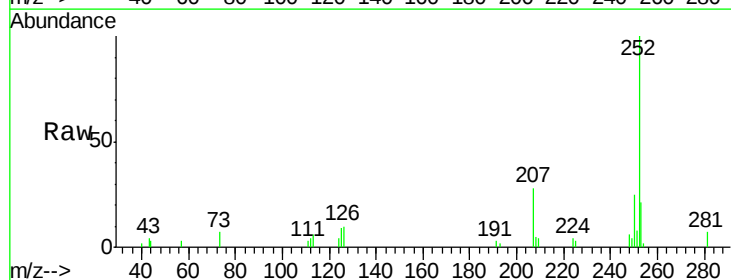


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

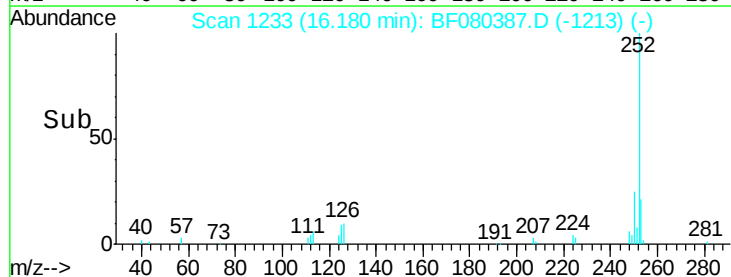
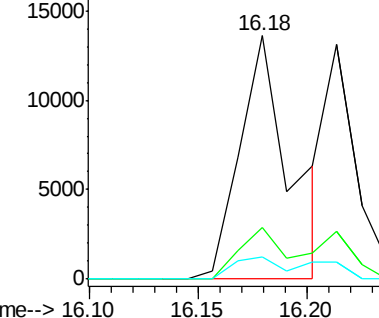


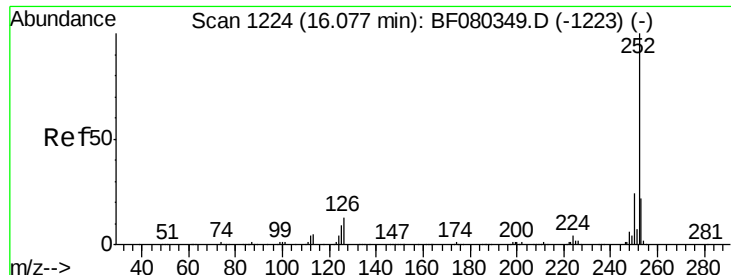
#87
Benzo(b)fluoranthene
Concen: 2.14 ng
RT: 16.18 min Scan# 1233
Delta R.T. -0.07 min
Lab File: BF080387.D
Acq: 8 Jul 2015 14:54

Tgt Ion: 252 Resp: 21979
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.8
125 9.0 7.7 11.5



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





#88
 Benzo(k)fluoranthene
 Concen: 2.27 ng
 RT: 16.18 min Scan# 1233
 Delta R.T. -0.10 min
 Lab File: BF080387.D
 Acq: 8 Jul 2015 14:54

Instrument :
 BNA_F
 ClientSampleId :
 PB84381BL

Tgt Ion: 252 Resp: 21979
 Ion Ratio Lower Upper
 252 100
 253 21.1 17.8 26.6
 125 9.0 8.5 12.7

