

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084036.D
 Acq On : 23 Dec 2015 13:36
 Operator : UM/SJ
 Sample : G4862-05
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 23 15:33:16 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	47013	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	191340	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	93626	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	161215	20.00	ng	0.00
75) Chrysene-d12	13.99	240	109212	20.00	ng	-0.01
86) Perylene-d12	15.41	264	97642	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	415727	150.77	ng	0.01
7) Phenol-d6	6.48	99	547842	168.98	ng	0.00
23) Nitrobenzene-d5	7.39	82	307993	98.88	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	144870	160.87	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	681691	97.99	ng	0.00
78) Terphenyl-d14	12.93	244	490819	107.18	ng	0.00

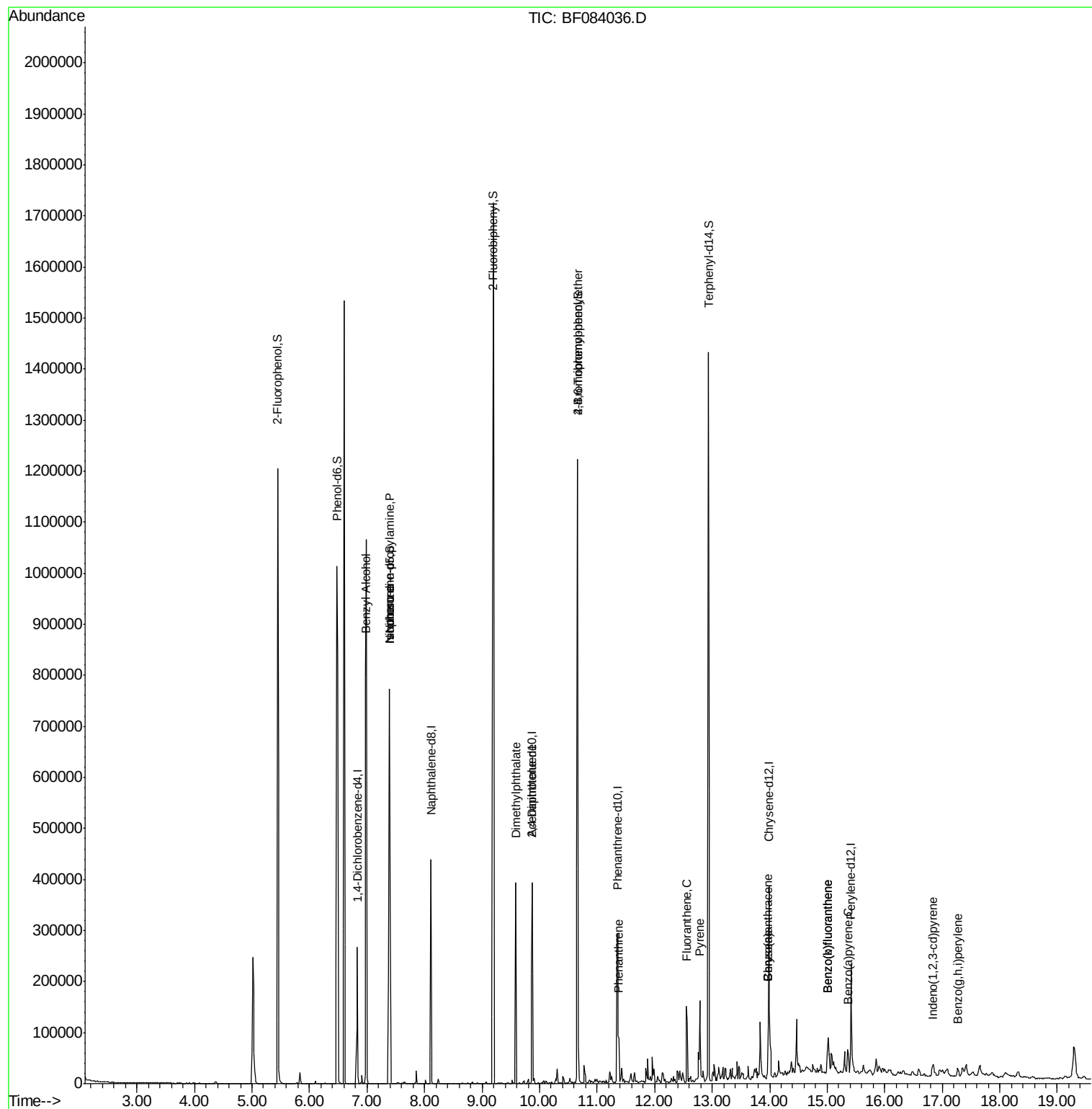
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.98	79	6409	2.51	ng	# 49
19) n-Nitroso-di-n-propylamine	7.39	70	42392	21.58	ng	# 77
25) Isophorone	7.39	82	258537	43.81	ng	# 66
49) Dimethylphthalate	9.58	163	144394	19.71	ng	# 91
56) 2,4-Dinitrotoluene	9.87	165	11650	5.99	ng	# 20
66) 4-Bromophenyl-phenylether	10.66	248	10486	5.67	ng	# 1
70) Phenanthrene	11.38	178	51765	5.68	ng	99
74) Fluoranthene	12.56	202	81360	9.00	ng	97
77) Pyrene	12.79	202	80914	10.92	ng	99
80) Benzo(a)anthracene	13.97	228	40623	6.45	ng	96
82) Chrysene	13.97	228	40623	6.95	ng	96
85) Indeno(1,2,3-cd)pyrene	16.84	276	14089	2.91	ng	97
87) Benzo(b)fluoranthene	15.01	252	49307	8.01	ng	# 94
88) Benzo(k)fluoranthene	15.01	252	49307	8.42	ng	98
89) Benzo(a)pyrene	15.36	252	24698	4.33	ng	# 94
91) Benzo(g,h,i)perylene	17.27	276	13061	2.73	ng	98

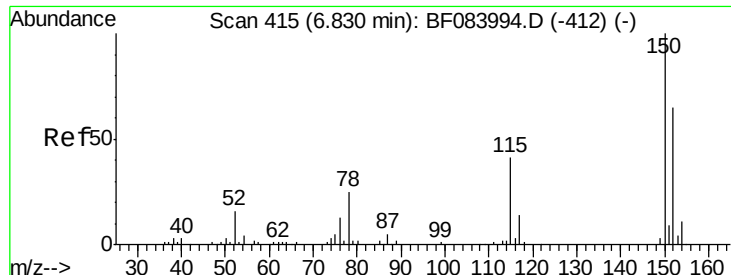
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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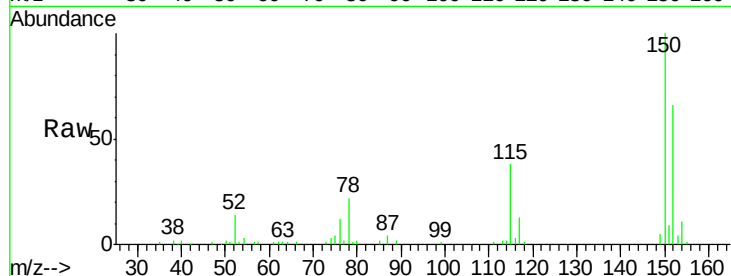


#1

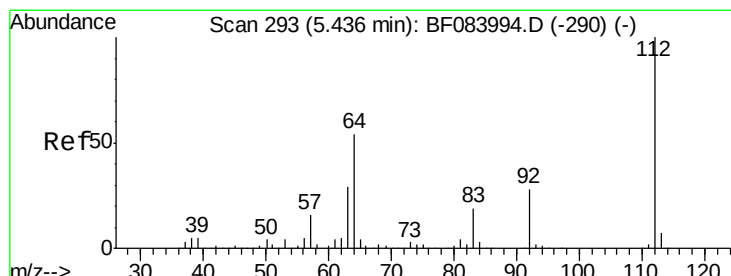
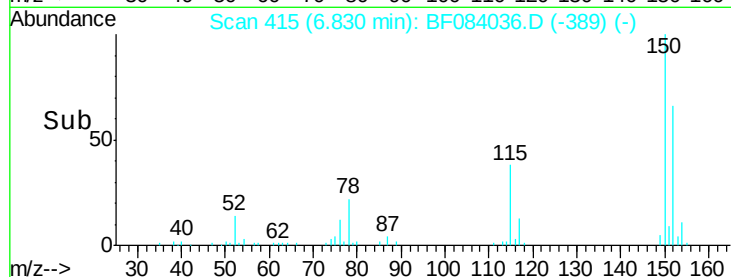
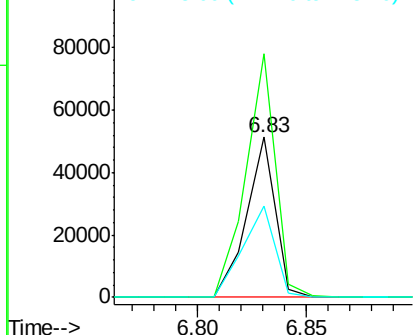
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 47013
Ion Ratio Lower Upper
152 100
150 152.2 123.0 184.4
115 57.1 51.4 77.2



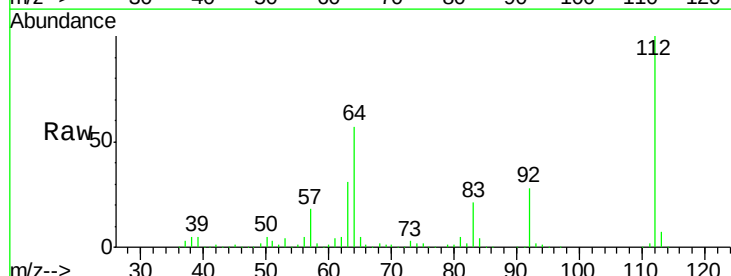
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



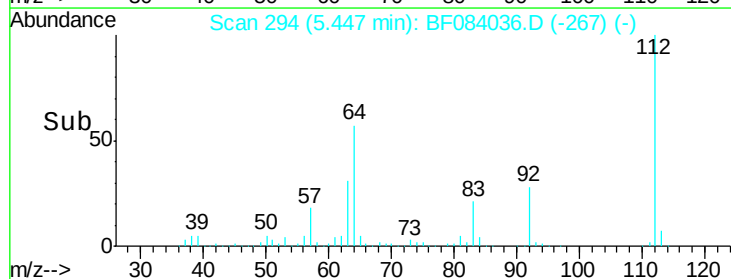
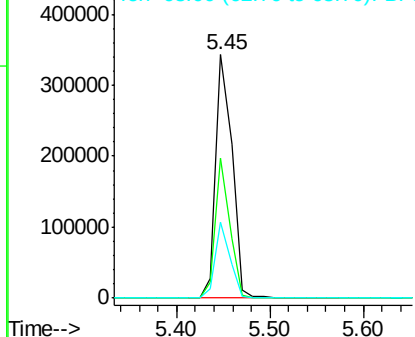
#5

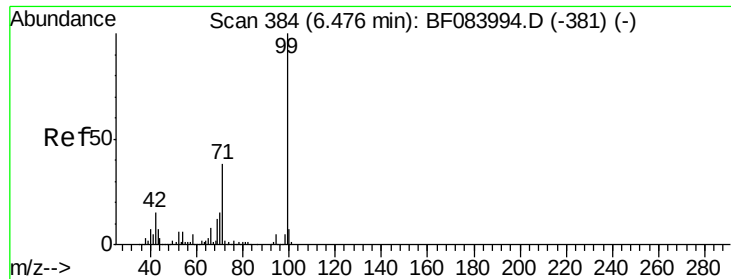
2-Fluorophenol
Concen: 150.77 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion:112 Resp: 415727
Ion Ratio Lower Upper
112 100
64 57.2 36.6 55.0#
63 31.0 19.4 29.0#



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: 168.98 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

ClientSampled :

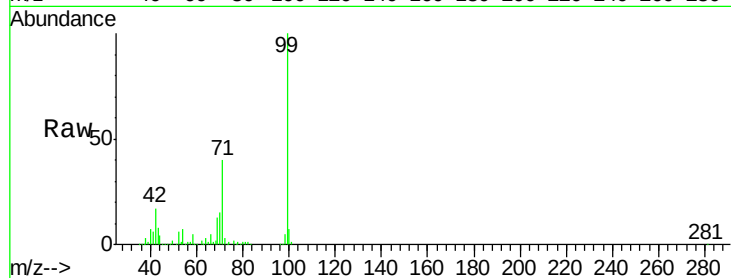
Tot Ion: 99 Resp: 547842

Ion Ratio Lower Upper

99 100

42 17.4 12.8 19.2

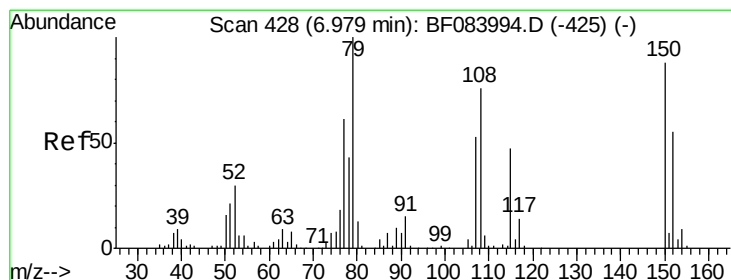
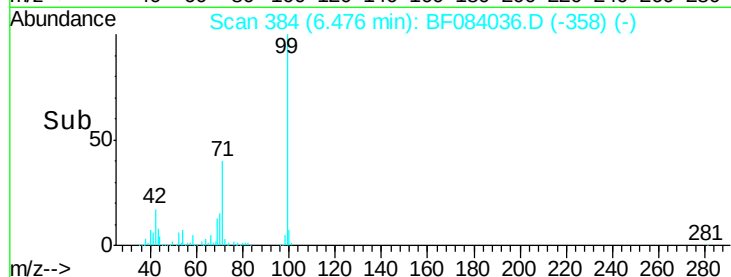
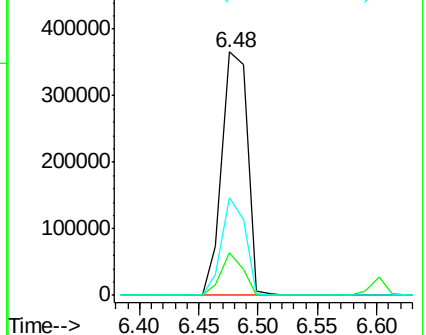
71 40.3 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.51 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

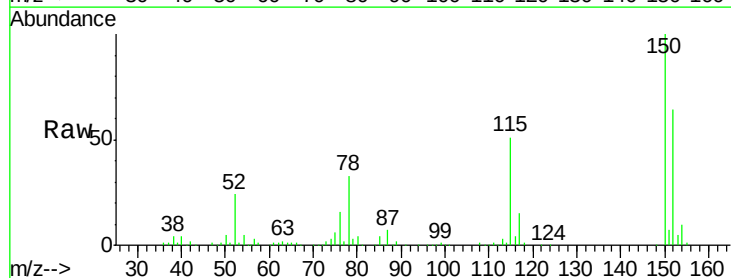
Tgt Ion: 79 Resp: 6409

Ion Ratio Lower Upper

79 100

108 31.3 69.0 103.4#

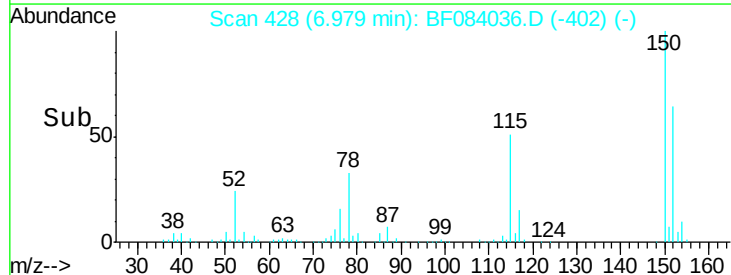
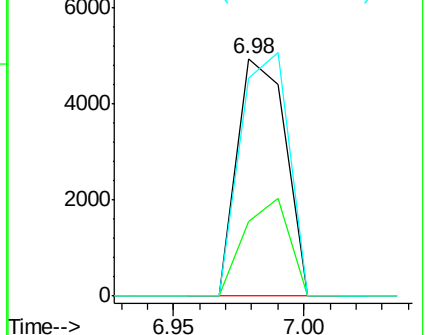
77 91.8 50.0 75.0#

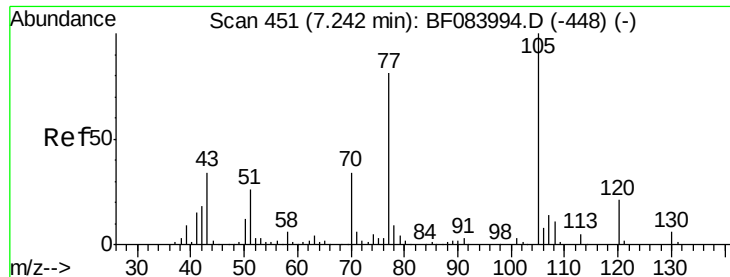


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

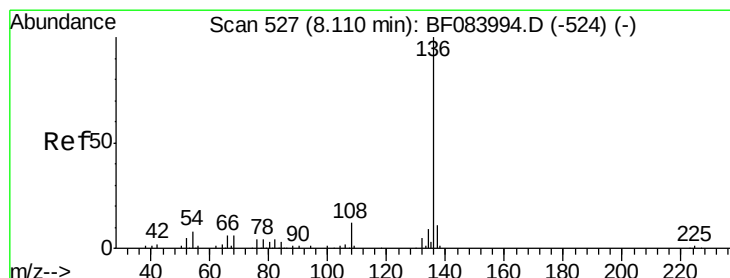
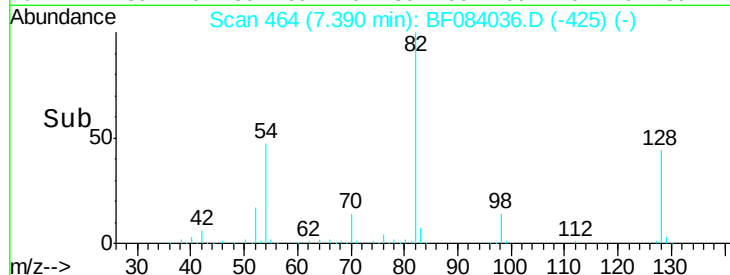
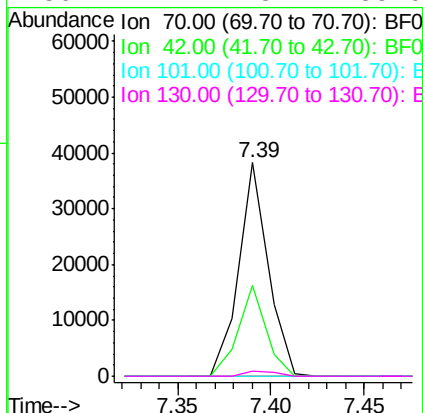
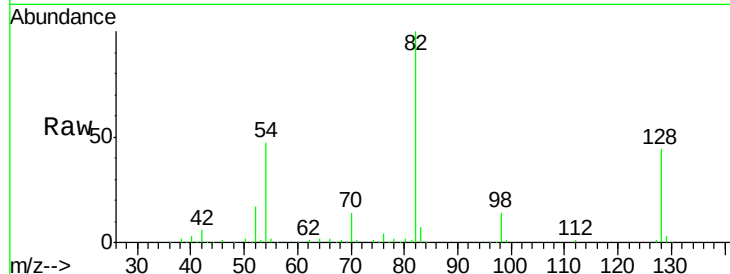




#19
n-Nitroso-di-n-propylamine
Concen: 21.58 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.15 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

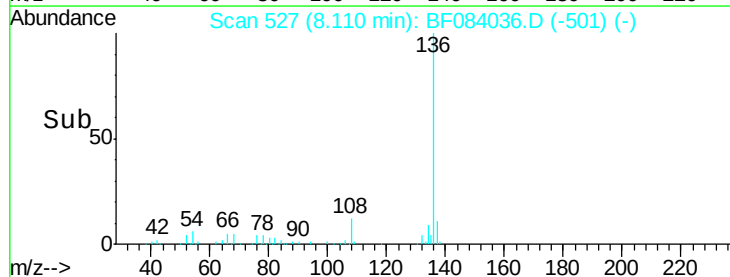
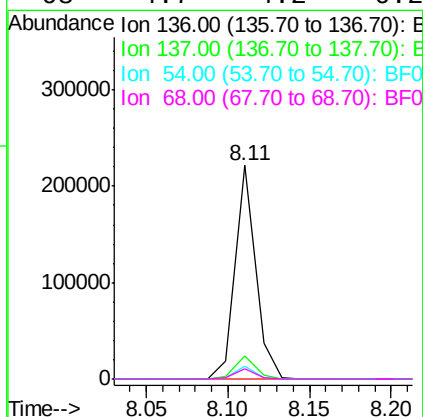
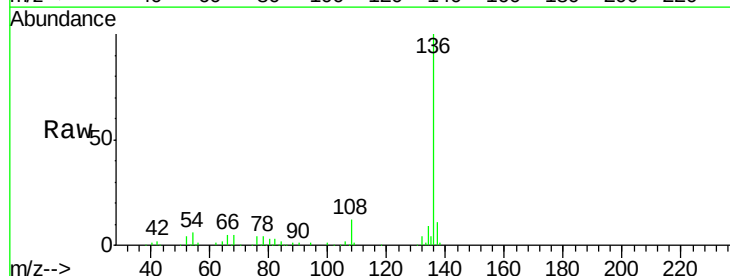
Instrument :
BNA_F
ClientSampleId :

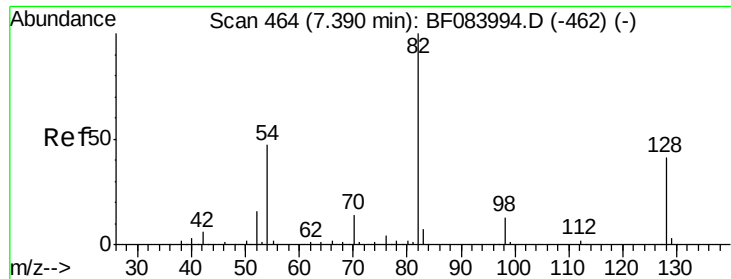
Tot Ion: 70 Resp: 42392
Ion Ratio Lower Upper
70 100
42 42.4 33.3 49.9
101 0.0 9.3 13.9#
130 2.2 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion: 136 Resp: 191340
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 6.2 5.8 8.8
68 4.7 4.2 6.2

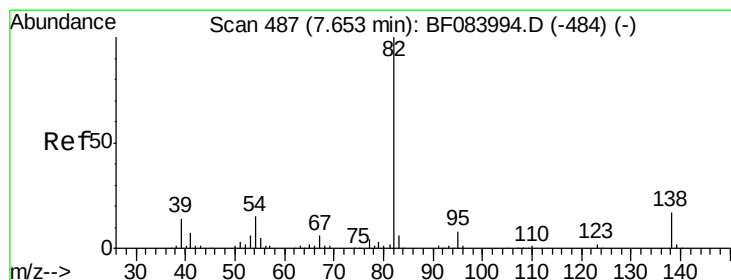
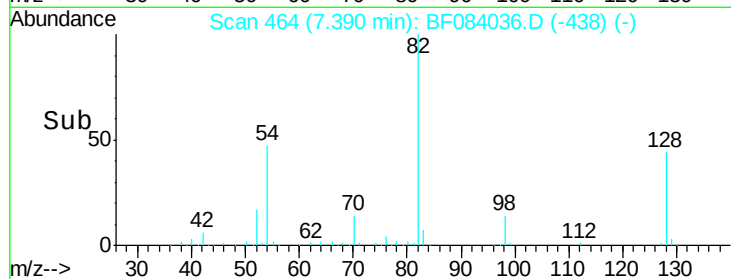
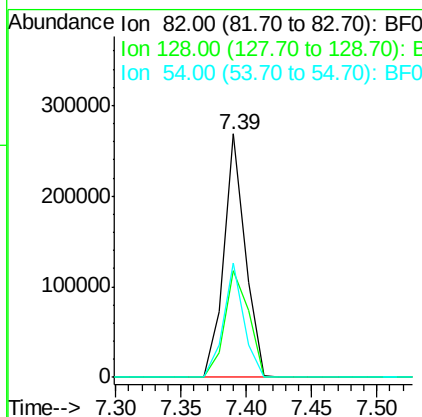
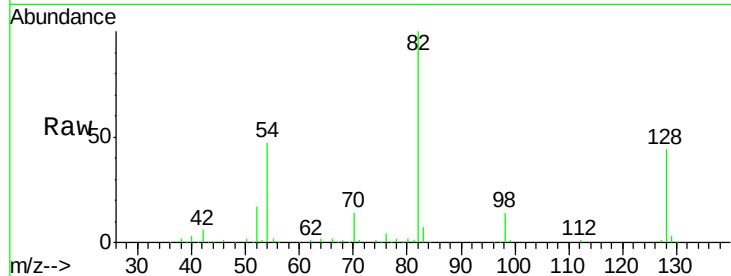




#23
 Nitrobenzene-d5
 Concen: 98.88 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

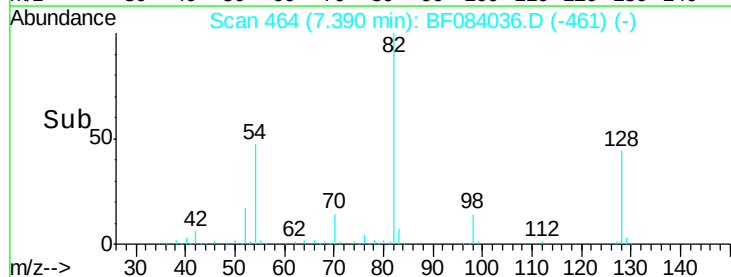
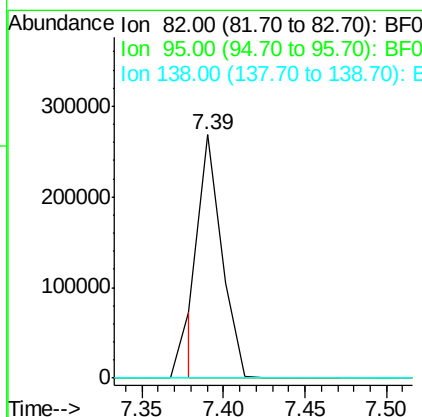
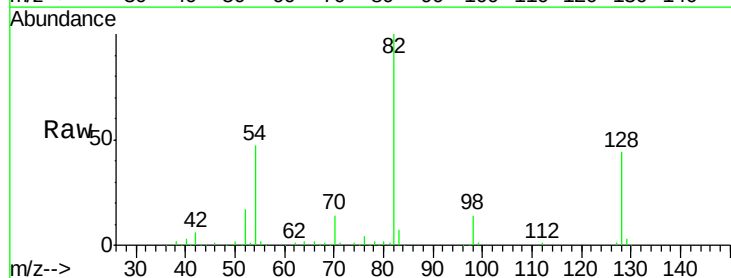
Instrument :
 BNA_F
 ClientSampleId :

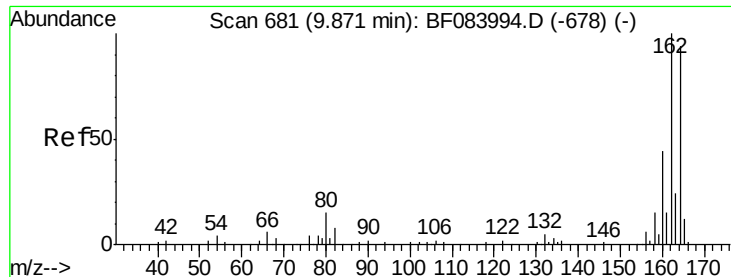
Tot Ion	82	Resp	307993
Ion Ratio	Lower	Upper	
82	100		
128	43.9	34.6	51.8
54	47.2	38.4	57.6



#25
 Isophorone
 Concen: 43.81 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.26 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Tgt Ion	82	Resp	258537
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.6	10.0#
138	0.0	13.6	20.4#

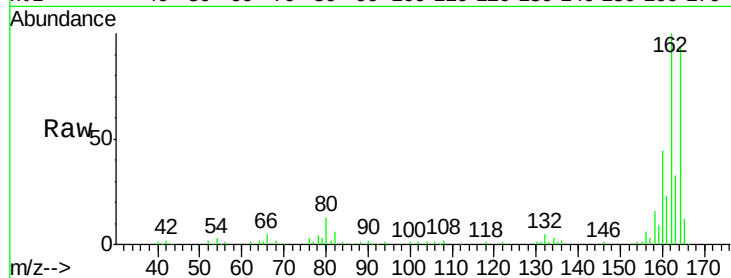




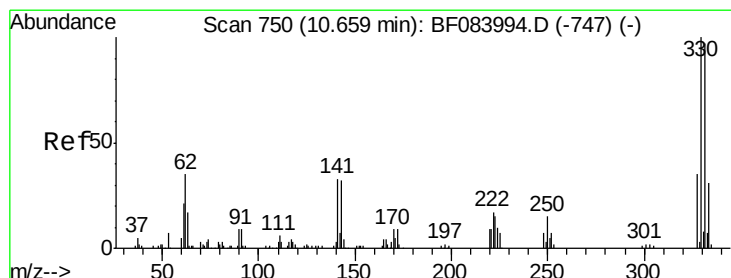
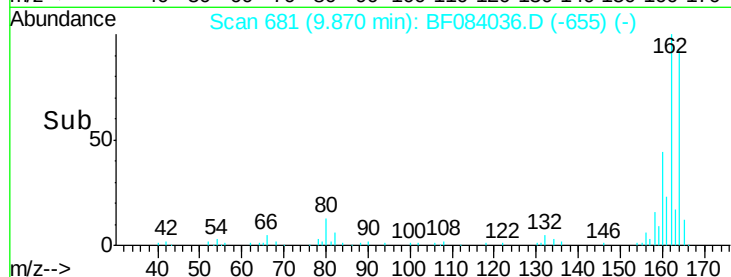
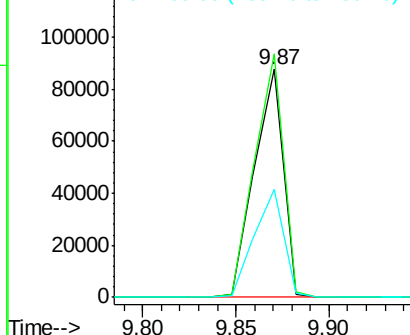
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 93626
Ion Ratio Lower Upper
164 100
162 106.8 85.1 127.7
160 47.5 37.5 56.3

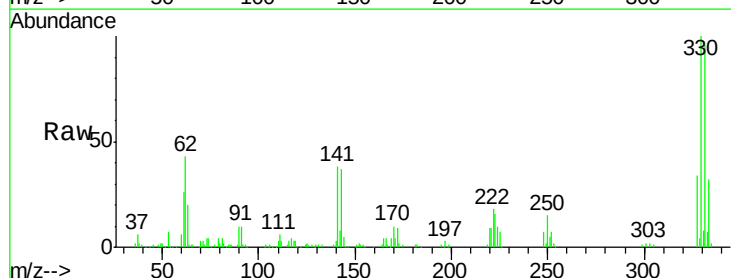


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

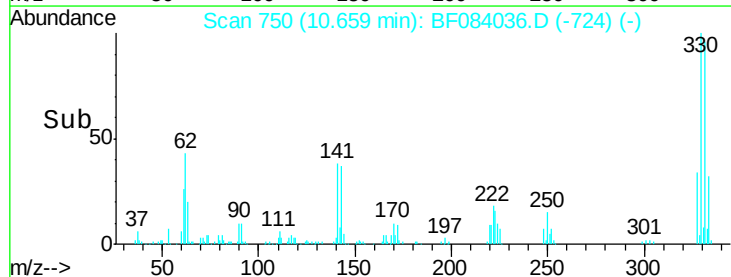
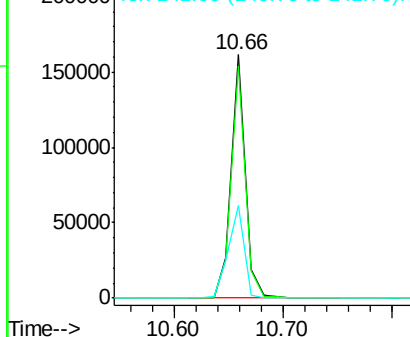


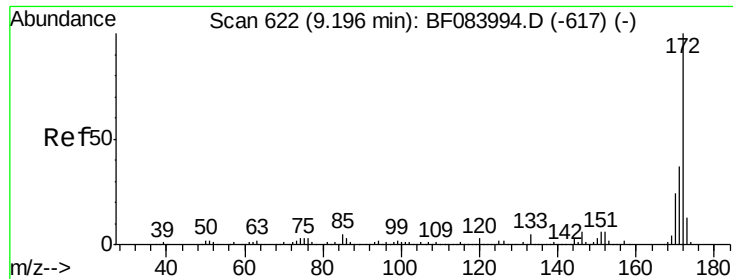
#41
2,4,6-Tribromophenol
Concen: 160.87 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion:330 Resp: 144870
Ion Ratio Lower Upper
330 100
332 95.6 76.6 114.8
141 42.6 27.8 41.6#



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

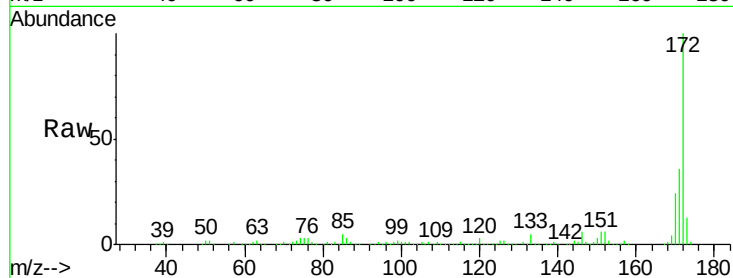




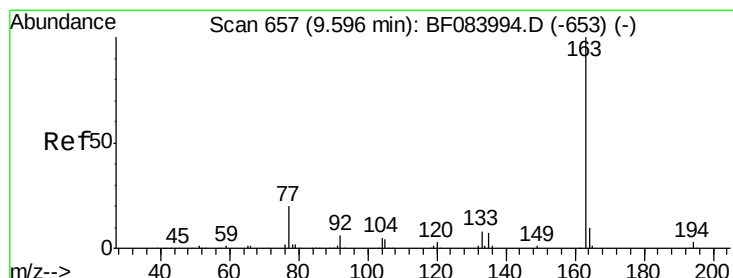
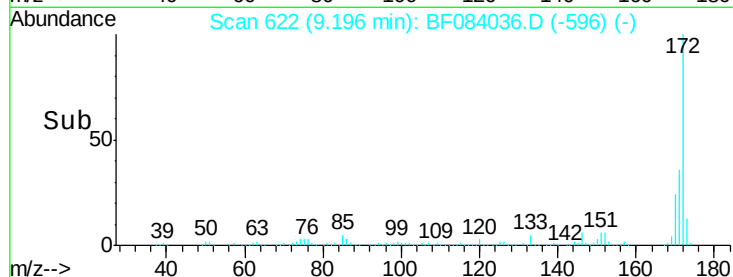
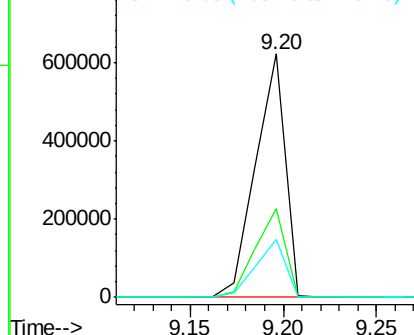
#44
2-Fluorobiphenyl
Concen: 97.99 ng
RT: 9.20 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 681691
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 23.7 18.6 27.8

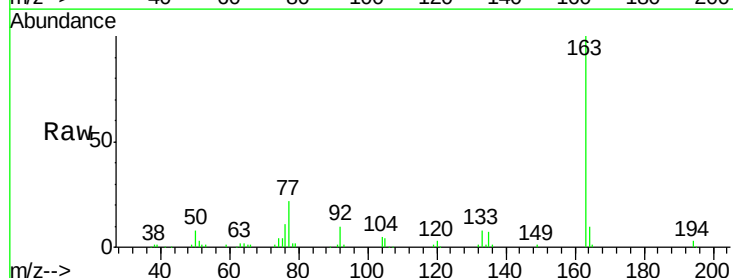


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

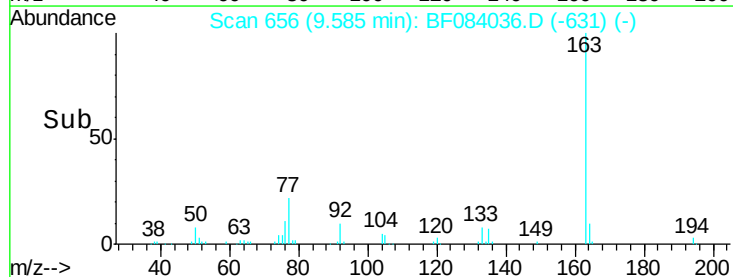
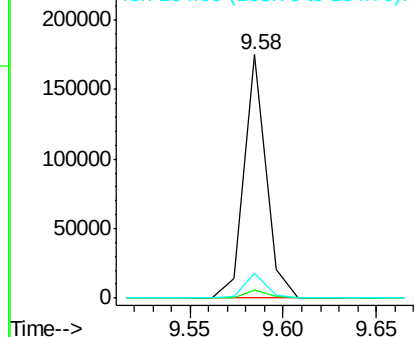


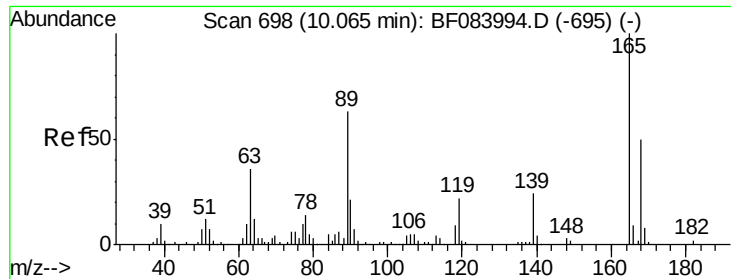
#49
Dimethylphthalate
Concen: 19.71 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion:163 Resp: 144394
Ion Ratio Lower Upper
163 100
194 3.3 8.0 12.0#
164 10.3 8.0 12.0



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

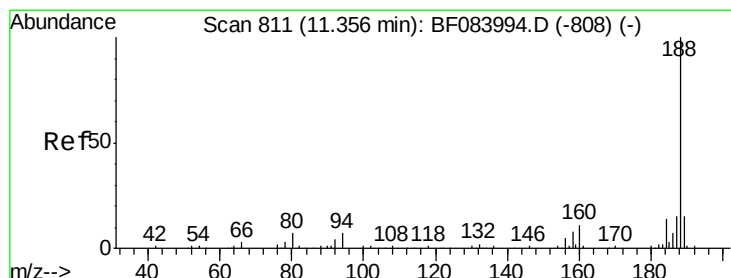
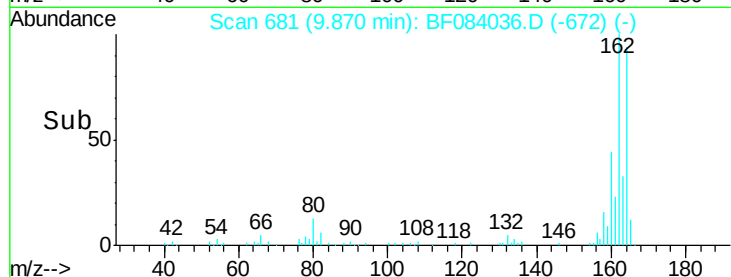
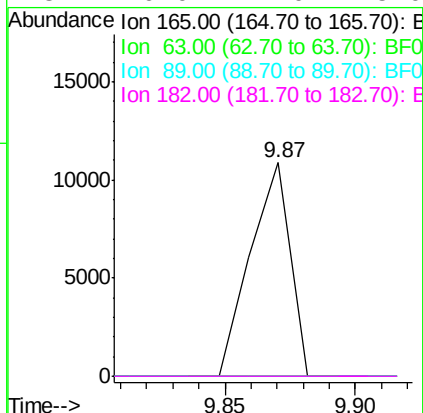
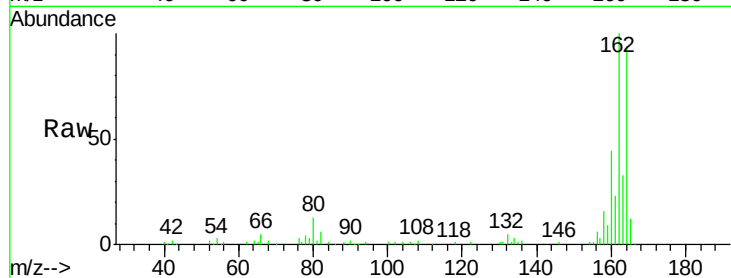




#56
 2,4-Dinitrotoluene
 Concen: 5.99 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.19 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

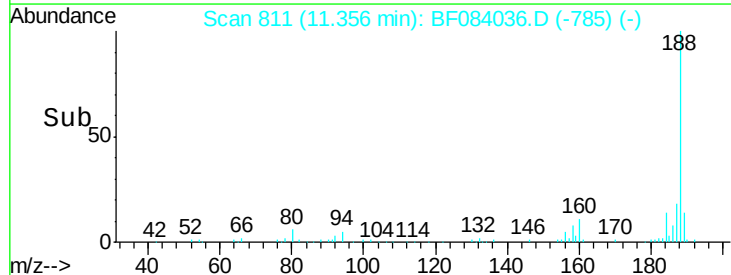
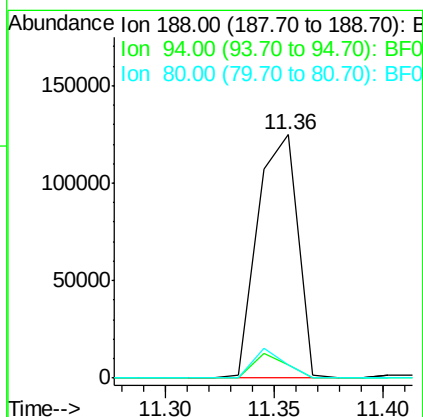
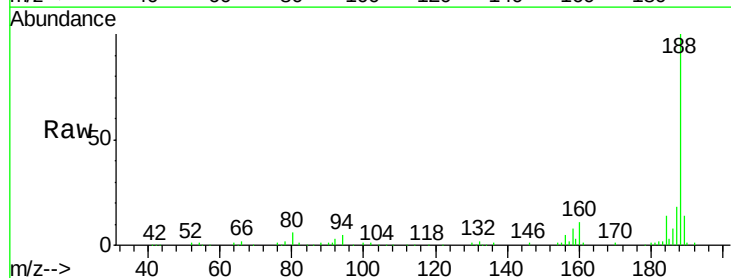
Instrument :
 BNA_F
 ClientSampleId :

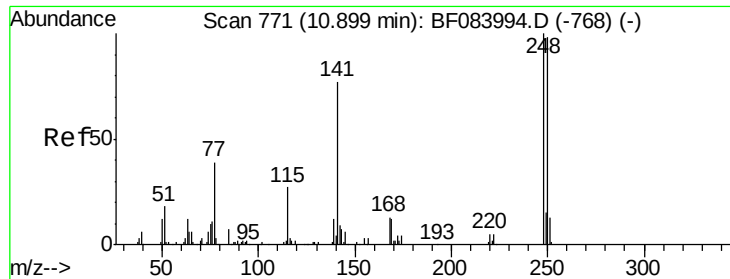
Tot Ion:165 Resp: 11650
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.7 55.1#
 89 0.0 61.9 92.9#
 182 0.0 2.0 3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Tgt Ion:188 Resp: 161215
 Ion Ratio Lower Upper
 188 100
 94 5.4 9.0 13.4#
 80 5.6 9.6 14.4#





#66

4-Bromophenyl-phenylether

Concen: 5.67 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.24 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

ClientSampleId :

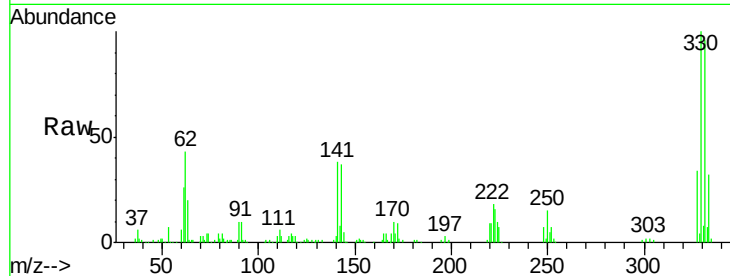
Tot Ion:248 Resp: 10486

Ion Ratio Lower Upper

248 100

250 200.8 78.4 117.6#

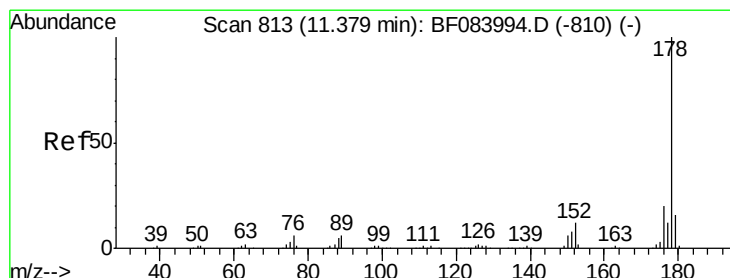
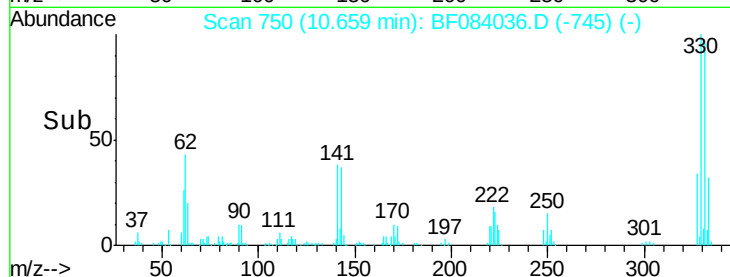
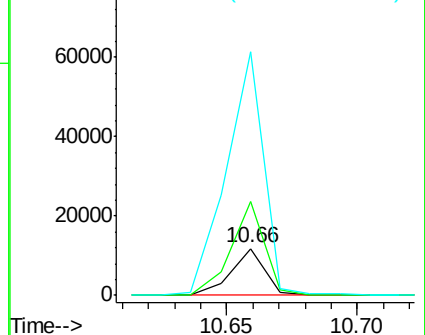
141 522.4 44.0 66.0#



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



#70

Phenanthrene

Concen: 5.68 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

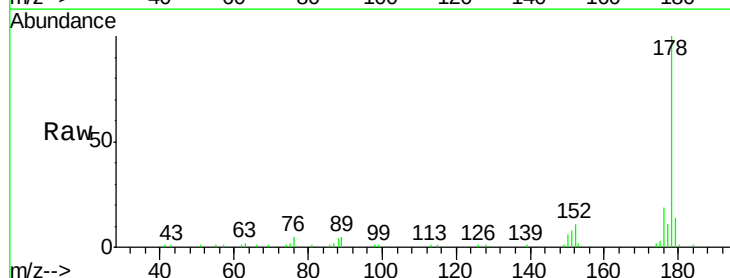
Tgt Ion:178 Resp: 51765

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

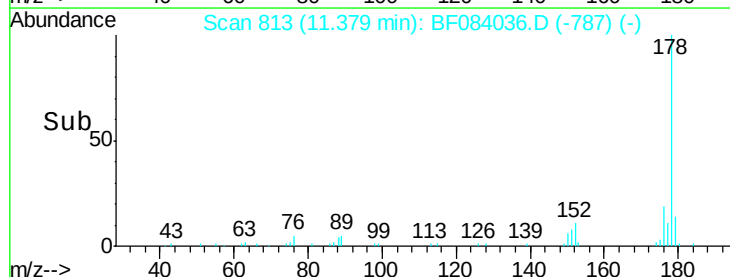
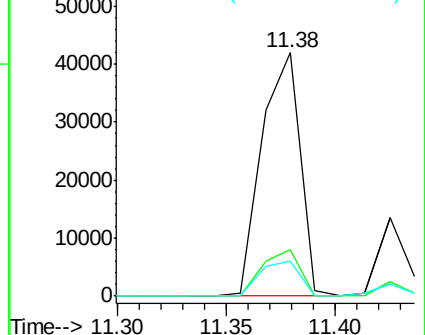
179 14.4 12.0 18.0

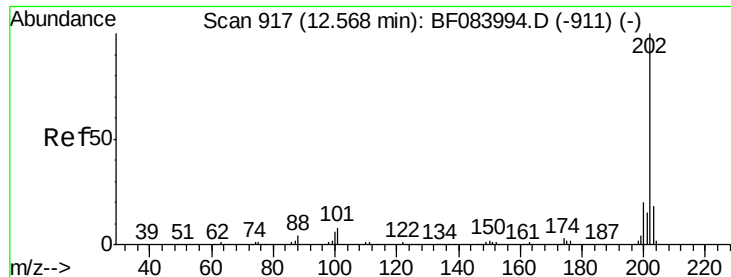


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.00 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

ClientSampleId :

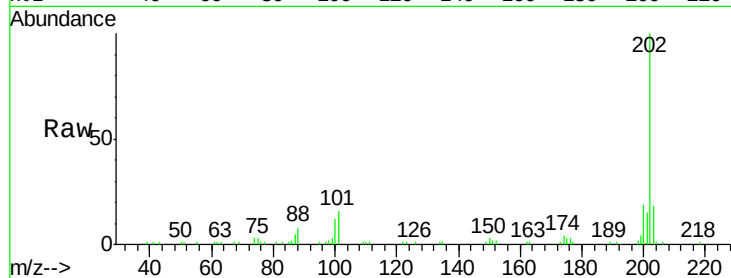
Tot Ion:202 Resp: 81360

Ion Ratio Lower Upper

202 100

101 15.5 0.0 32.8

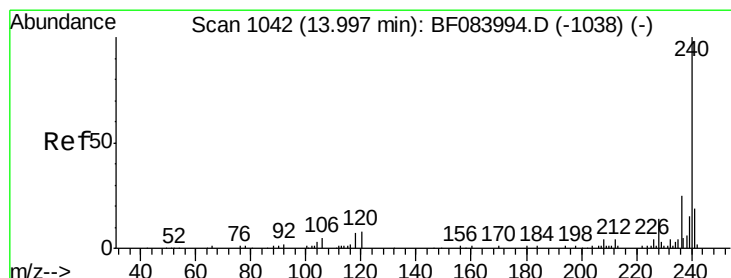
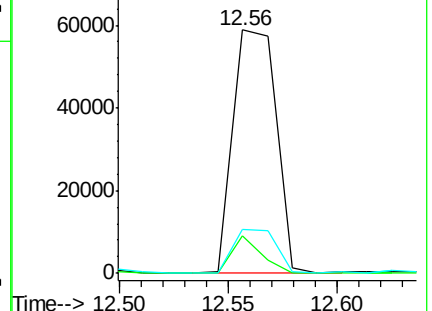
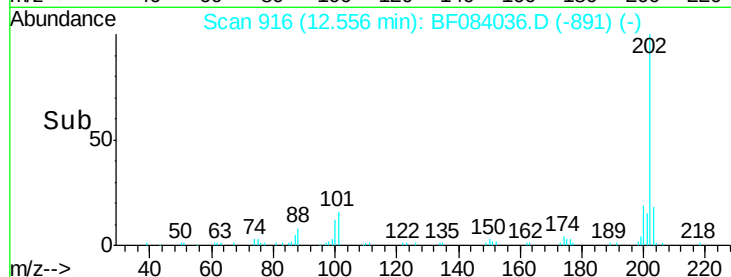
203 18.1 0.0 37.9



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

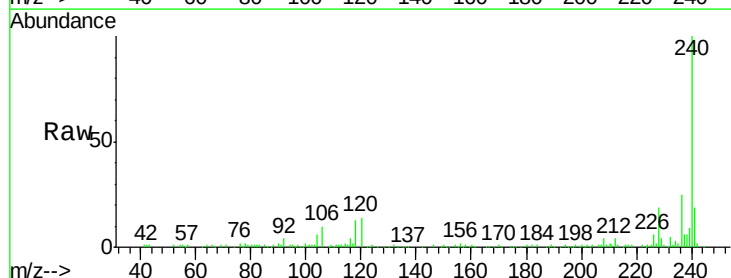
Tgt Ion:240 Resp: 109212

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

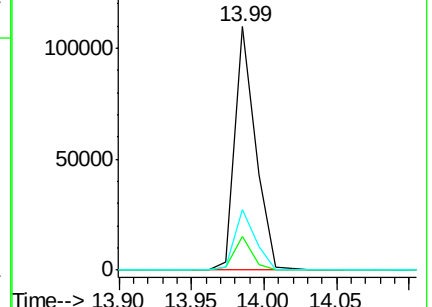
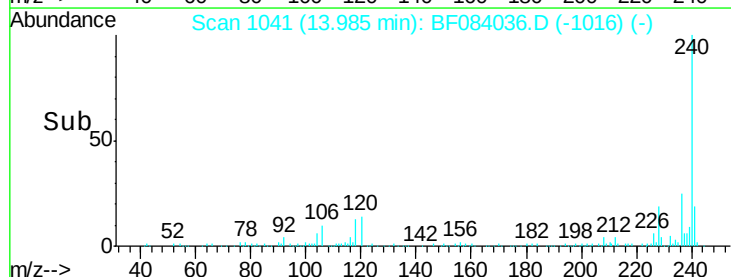
236 25.0 20.6 31.0

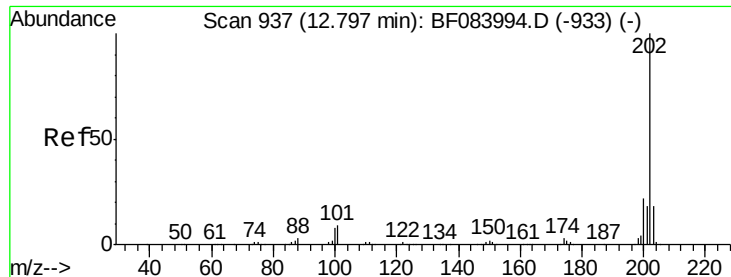


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.92 ng

RT: 12.79 min Scan# 936

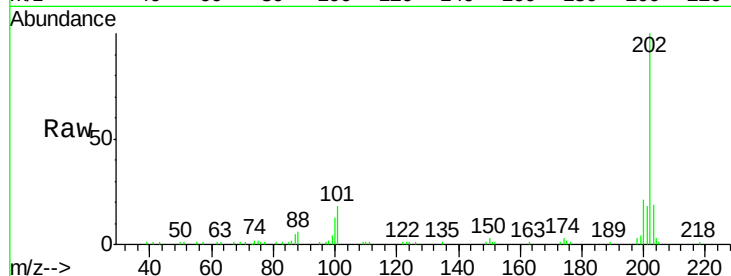
Delta R.T. -0.01 min

Lab File: BF084036.D

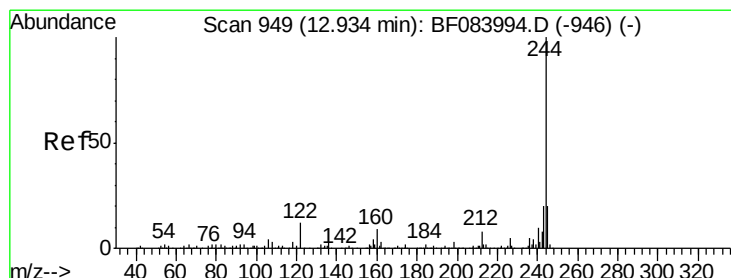
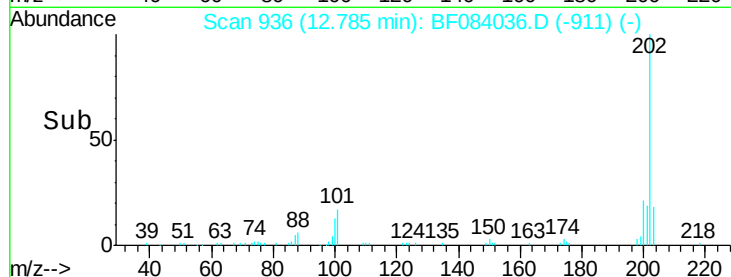
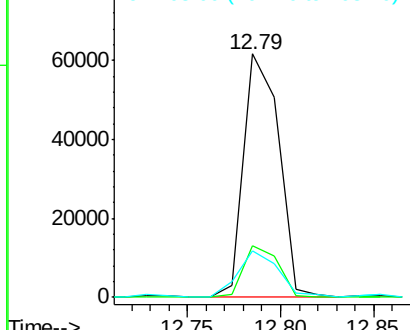
Acq: 23 Dec 2015 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202	Resp:	80914
Ion Ratio	Lower	Upper
202	100	
200	21.2	17.2 25.8
203	19.0	14.3 21.5



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: 107.18 ng

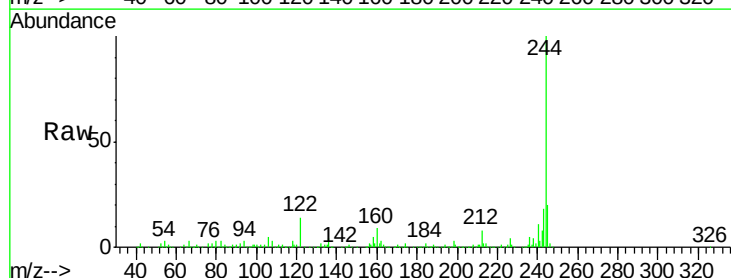
RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

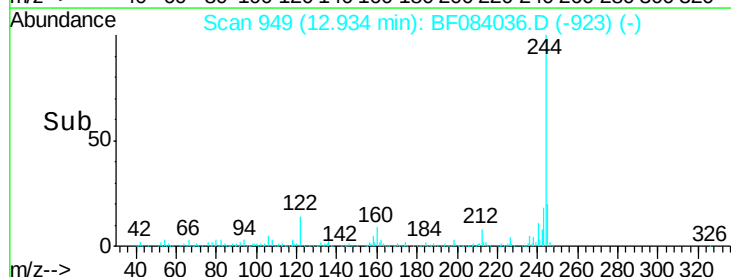
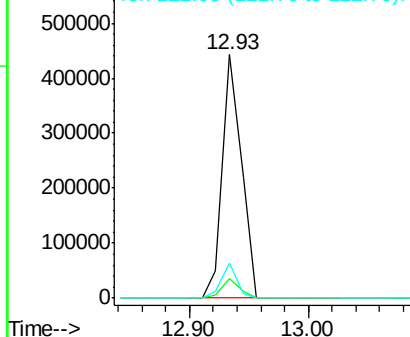
Lab File: BF084036.D

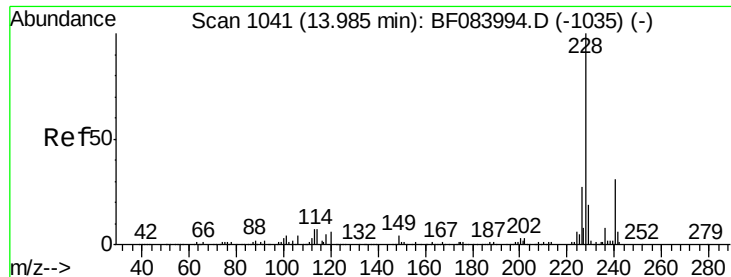
Acq: 23 Dec 2015 13:36

Tgt Ion:244	Resp:	490819
Ion Ratio	Lower	Upper
244	100	
212	7.9	5.7 8.5
122	14.3	7.4 11.0#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

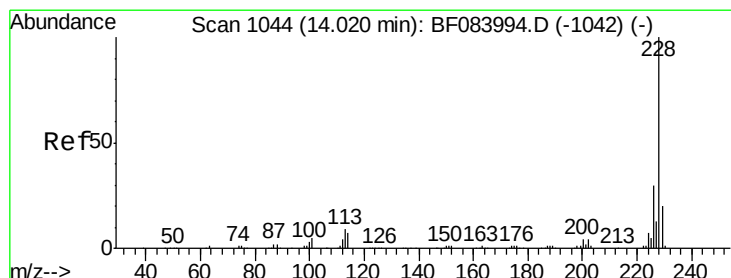
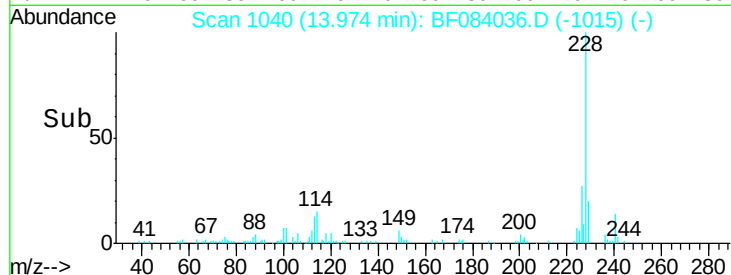
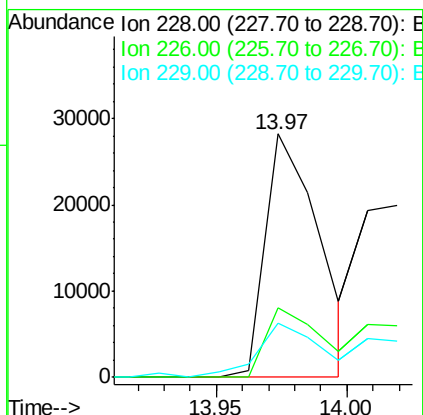
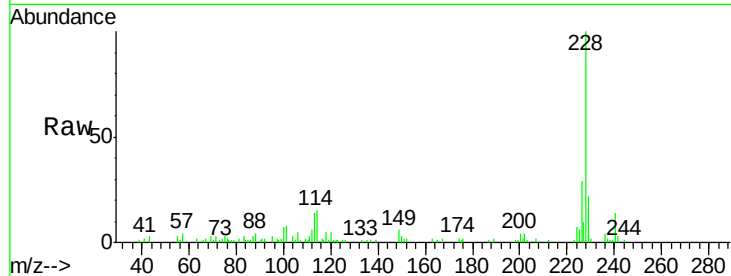




#80
Benzo(a)anthracene
Concen: 6.45 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

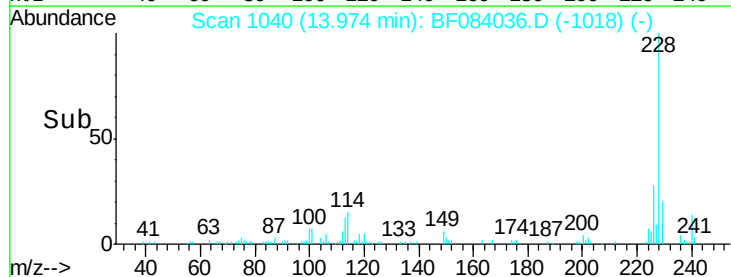
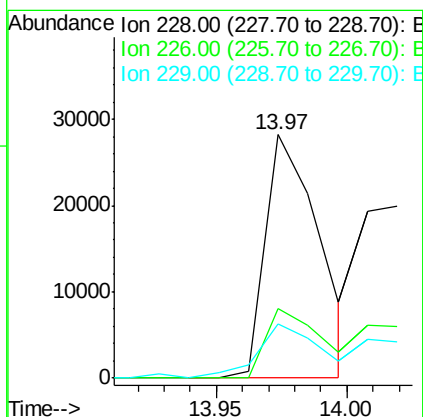
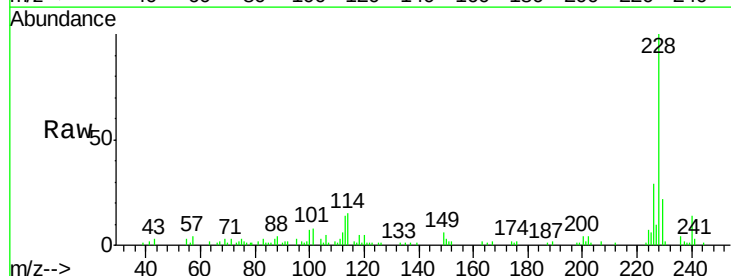
Instrument :
BNA_F
ClientSampleId :

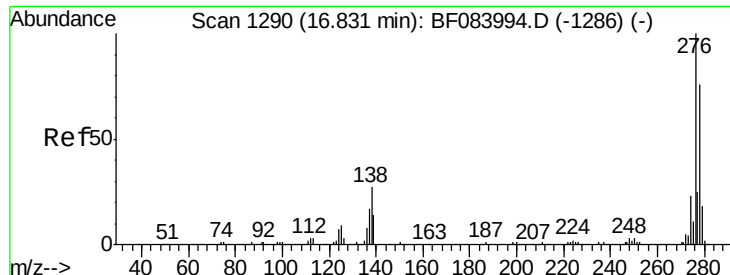
Tot Ion:228 Resp: 40623
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.6
229 22.4 15.8 23.8



#82
Chrysene
Concen: 6.95 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion:228 Resp: 40623
Ion Ratio Lower Upper
228 100
226 28.8 24.3 36.5
229 22.4 16.1 24.1

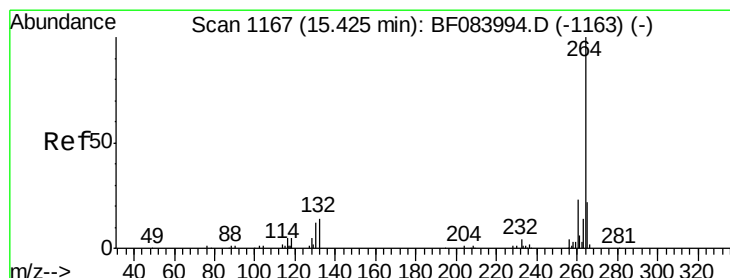
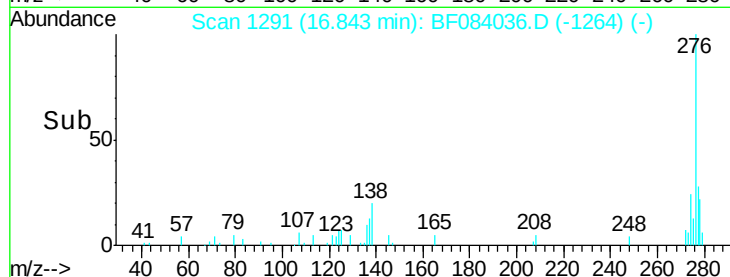
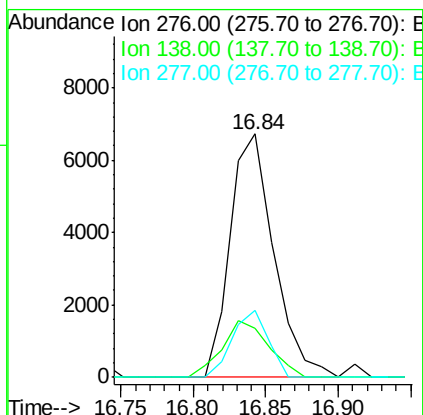
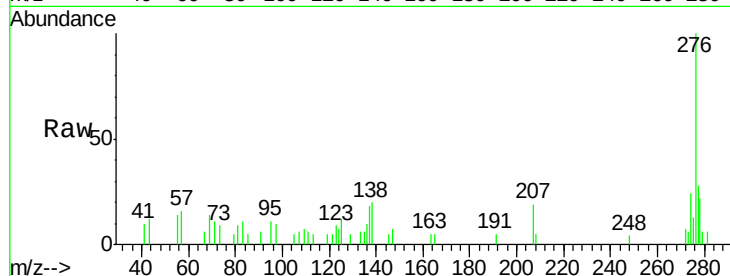




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.91 ng
 RT: 16.84 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

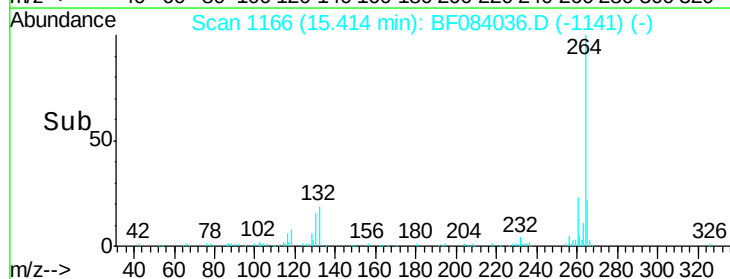
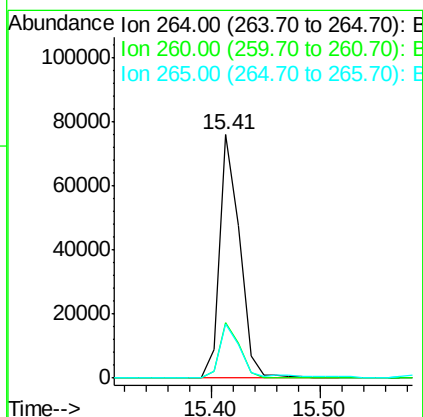
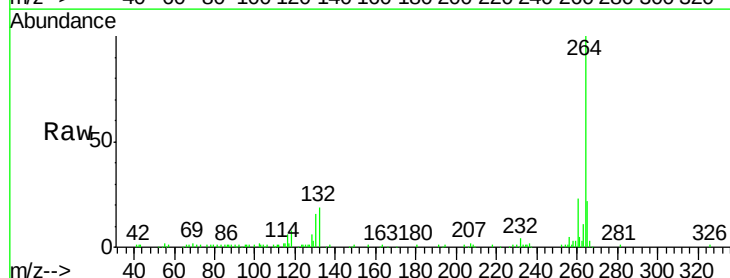
Instrument :
 BNA_F
 ClientSampleId :

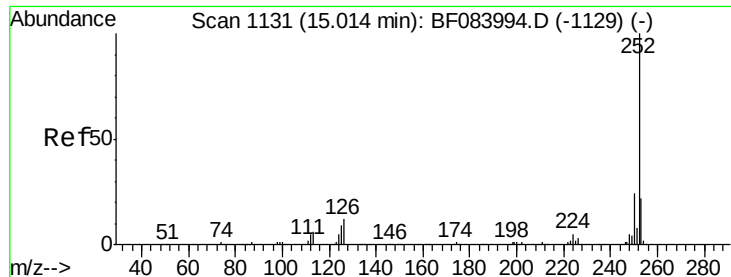
Tot Ion:276 Resp: 14089
 Ion Ratio Lower Upper
 276 100
 138 25.0 20.6 30.8
 277 22.5 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF084036.D
 Acq: 23 Dec 2015 13:36

Tgt Ion:264 Resp: 97642
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.4 29.2
 265 22.1 17.8 26.6

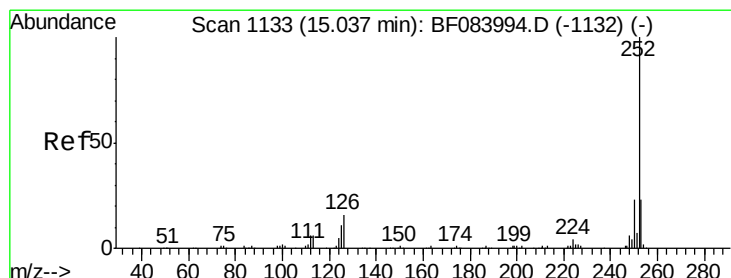
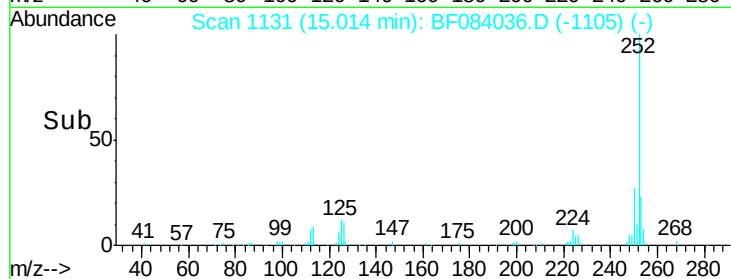
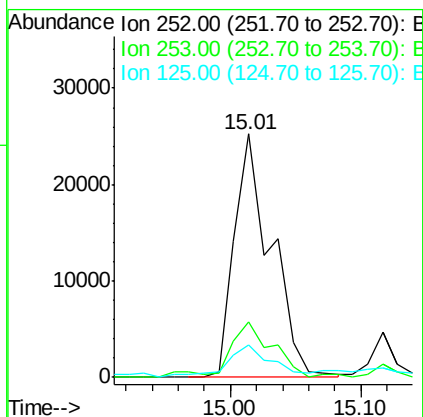
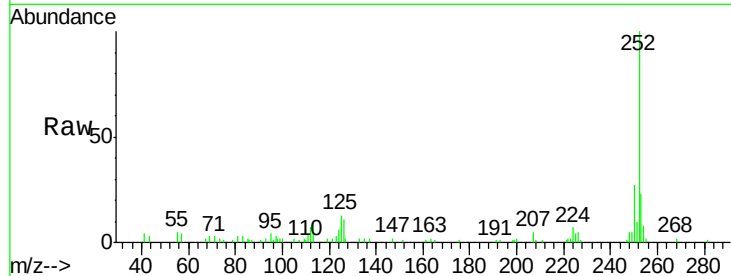




#87
Benzo(b)fluoranthene
Concen: 8.01 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

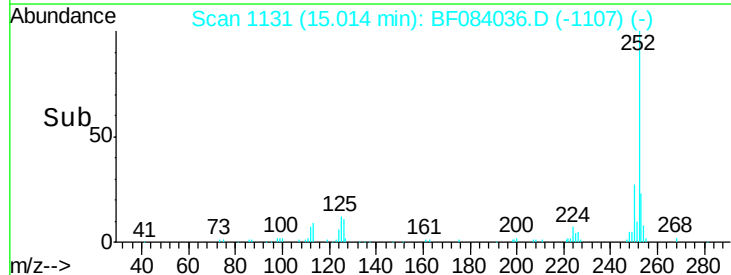
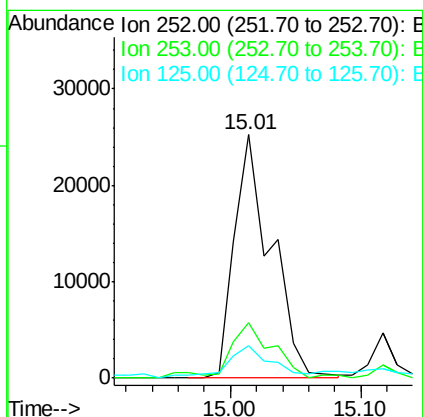
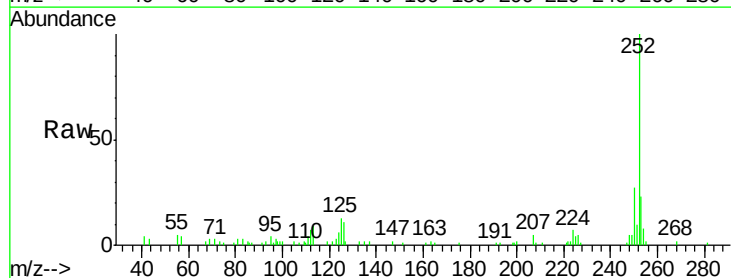
Instrument :
BNA_F
ClientSampleId :

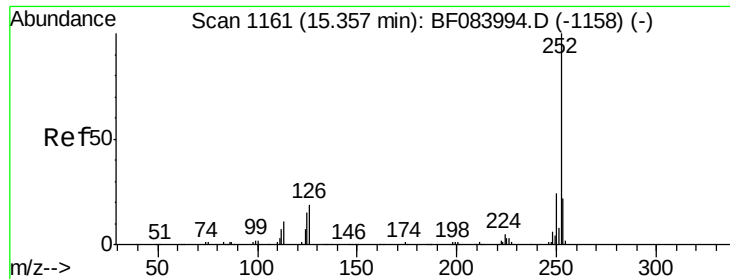
Tot Ion:252 Resp: 49307
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 13.2 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 8.42 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF084036.D
Acq: 23 Dec 2015 13:36

Tgt Ion:252 Resp: 49307
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 13.2 9.0 13.6





#89

Benzo(a)pyrene

Concen: 4.33 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

Instrument :

BNA_F

ClientSampleId :

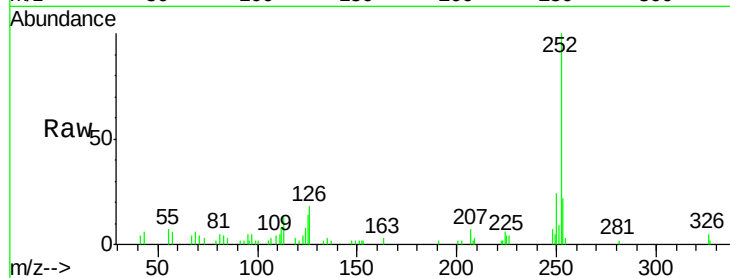
Tot Ion:252 Resp: 24698

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

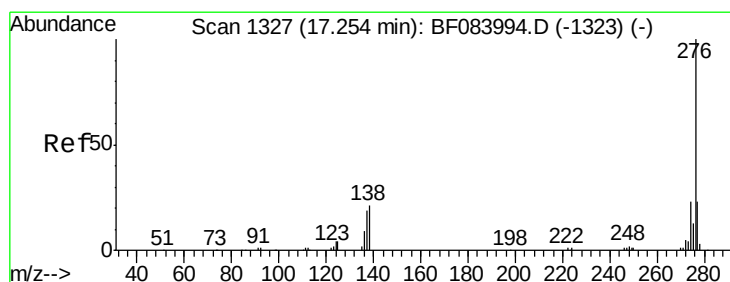
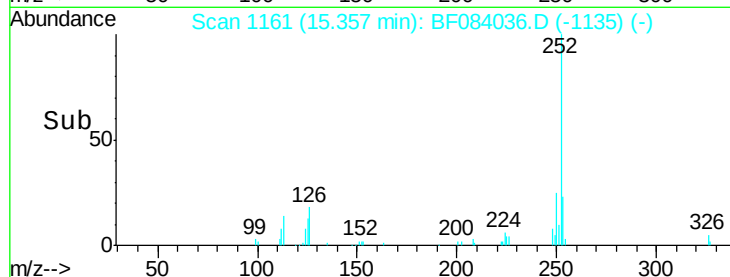
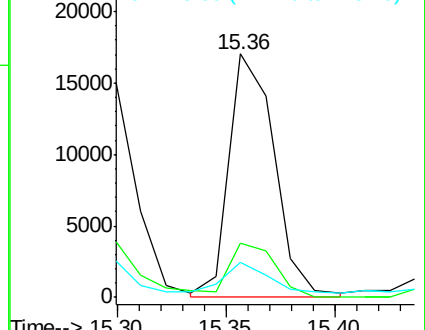
125 14.4 7.0 10.4#



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: 2.73 ng

RT: 17.27 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF084036.D

Acq: 23 Dec 2015 13:36

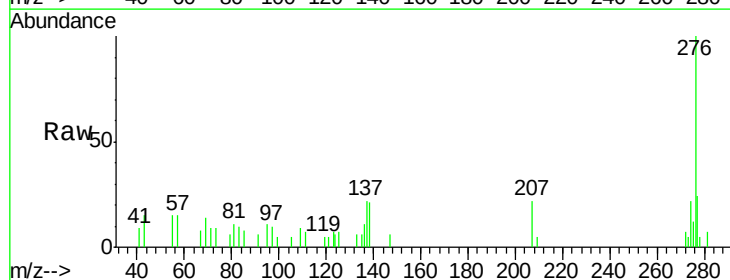
Tgt Ion:276 Resp: 13061

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 20.5 17.8 26.6



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

