

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083770.D
 Acq On : 14 Dec 2015 10:41
 Operator : UM/IZ
 Sample : G4648-22
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 11:27:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	114678	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	409211	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	167861	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	277529	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	240307	20.00	ng	-0.01
86) Perylene-d12	15.51	264	170436	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	750107	105.52	ng	0.00
7) Phenol-d6	6.54	99	972639	108.05	ng	0.00
23) Nitrobenzene-d5	7.48	82	646067	88.33	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	176935	103.44	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	879982	73.84	ng	-0.01
78) Terphenyl-d14	13.01	244	633971	56.75	ng	-0.01

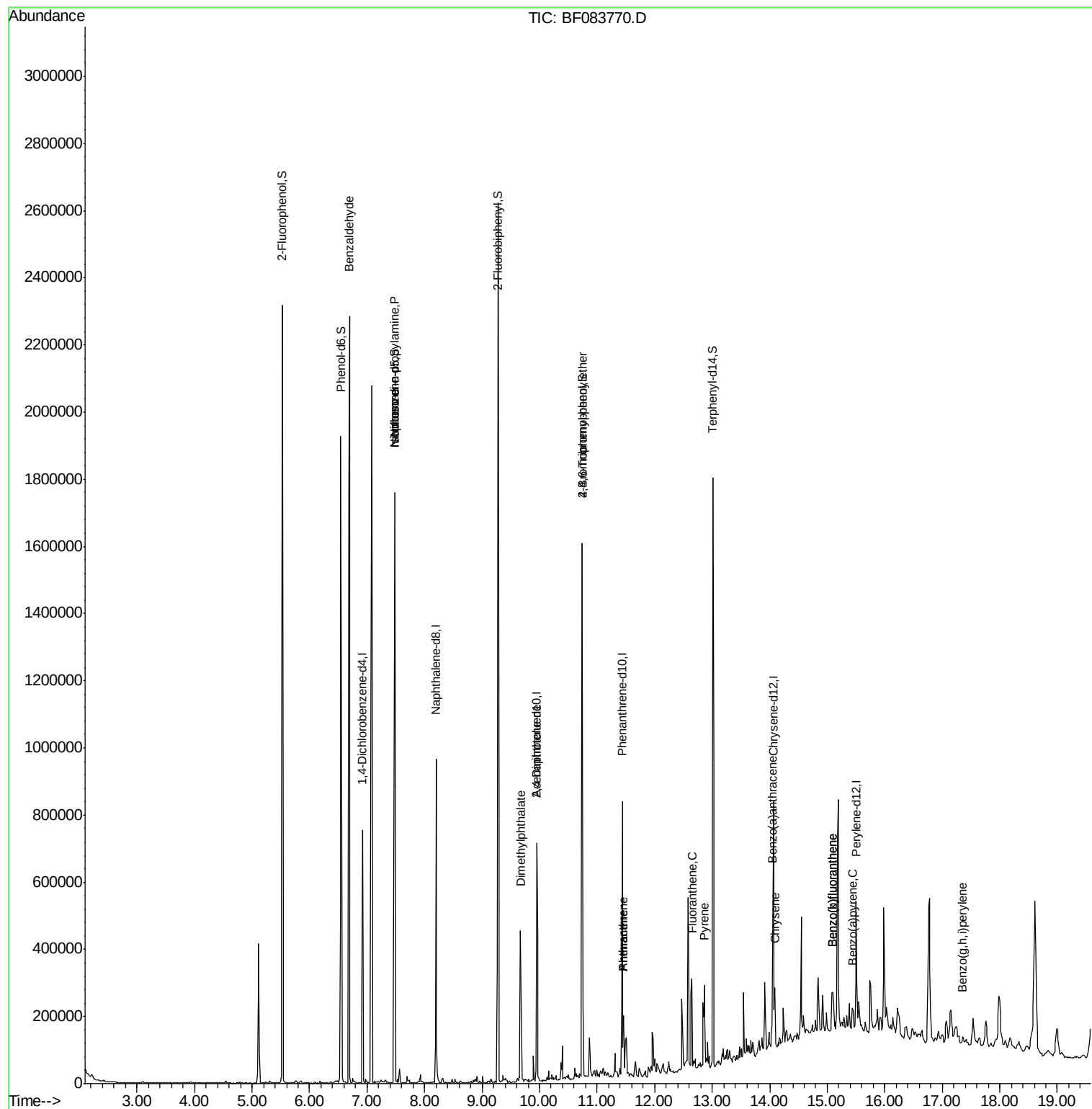
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.69	77	18971	3.92	ng	98
19) n-Nitroso-di-n-propylamine	7.48	70	89039	16.15	ng	# 68
25) Isophorone	7.48	82	631040	43.97	ng	# 69
49) Dimethylphthalate	9.66	163	216508	16.54	ng	99
56) 2,4-Dinitrotoluene	9.95	165	21881	6.03	ng	# 13
66) 4-Bromophenyl-phenylether	10.74	248	12672	4.08	ng	# 1
70) Phenanthrene	11.46	178	62570	4.24	ng	99
71) Anthracene	11.46	178	62570	4.09	ng	100
74) Fluoranthene	12.65	202	144728	9.50	ng	96
77) Pyrene	12.86	202	117831	6.20	ng	98
80) Benzo(a)anthracene	14.05	228	58985	4.32	ng	98
82) Chrysene	14.09	228	53644	4.02	ng	95
87) Benzo(b)fluoranthene	15.09	252	96984	8.92	ng	# 95
88) Benzo(k)fluoranthene	15.09	252	96984	9.84	ng	98
89) Benzo(a)pyrene	15.45	252	40747	4.20	ng	100
91) Benzo(g,h,i)perylene	17.36	276	23631	2.38	ng	94

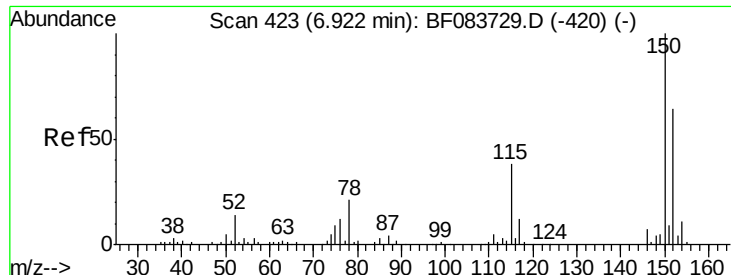
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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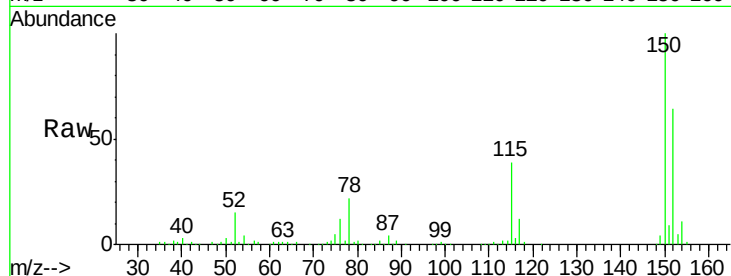


#1

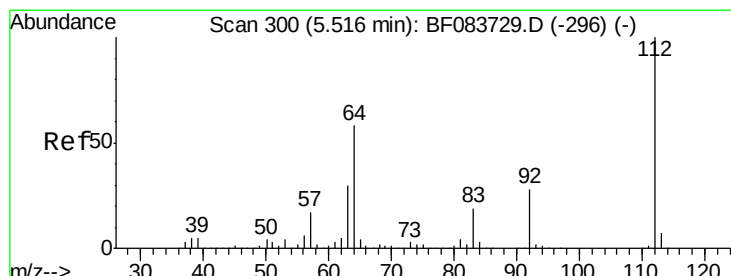
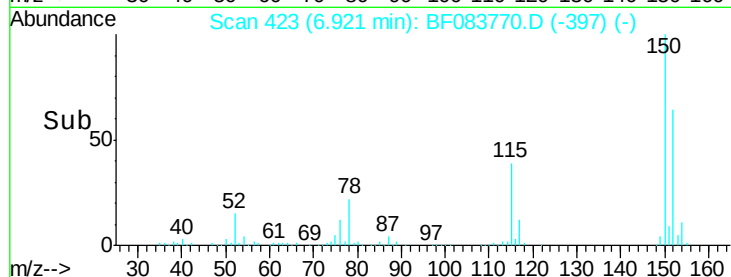
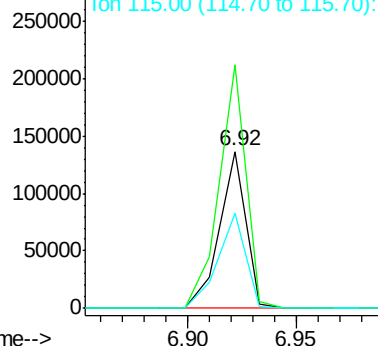
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114678
Ion Ratio Lower Upper
152 100
150 155.5 126.5 189.7
115 60.4 52.3 78.5



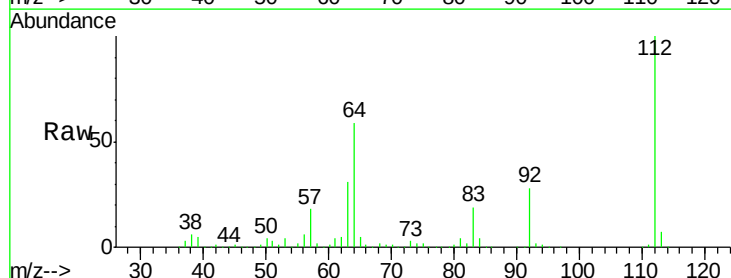
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



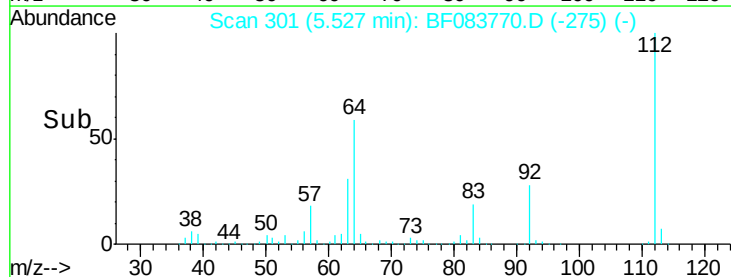
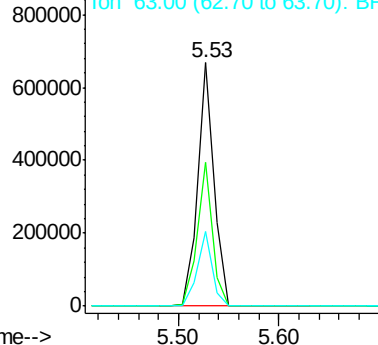
#5

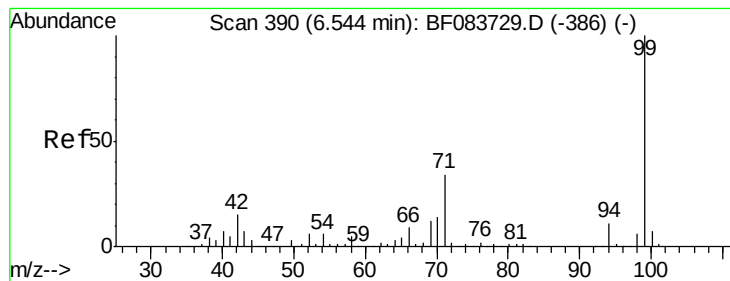
2-Fluorophenol
Concen: 105.52 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Tgt Ion:112 Resp: 750107
Ion Ratio Lower Upper
112 100
64 59.0 50.5 75.7
63 30.5 25.8 38.6



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: 108.05 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampled :

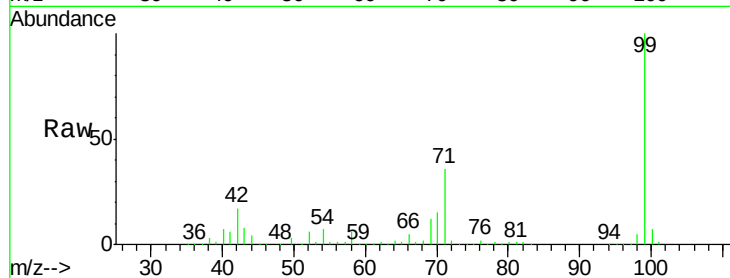
Tot Ion: 99 Resp: 972639

Ion Ratio Lower Upper

99 100

42 16.6 17.3 25.9#

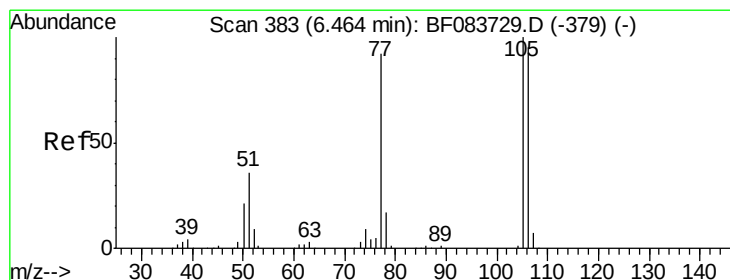
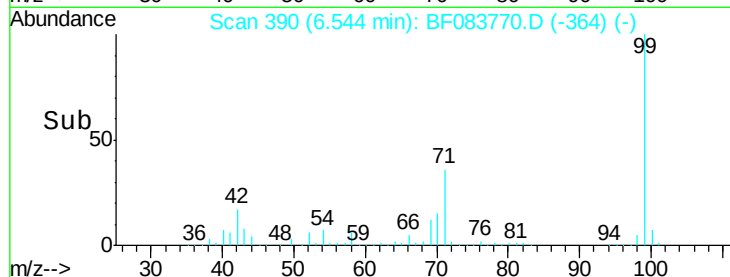
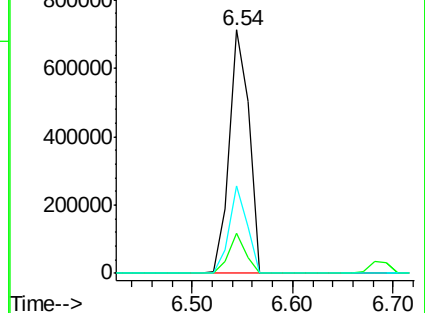
71 36.1 26.6 40.0



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



#9

Benzaldehyde

Concen: 3.92 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.23 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

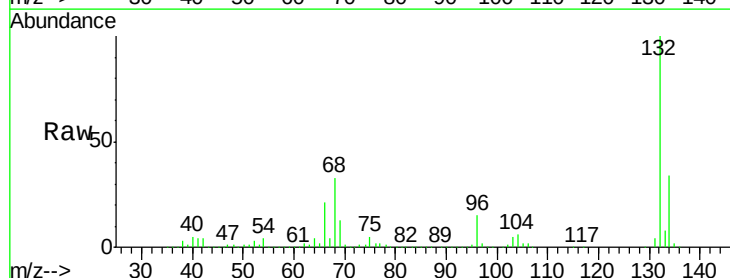
Tgt Ion: 77 Resp: 18971

Ion Ratio Lower Upper

77 100

105 92.8 71.8 111.8

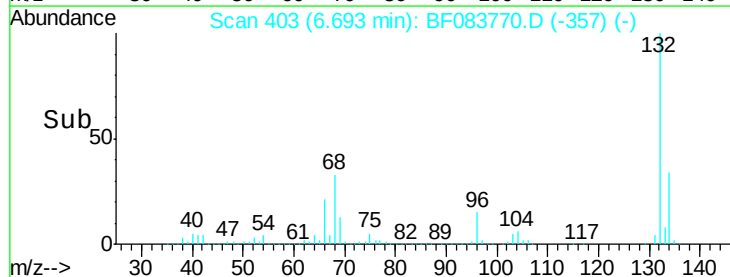
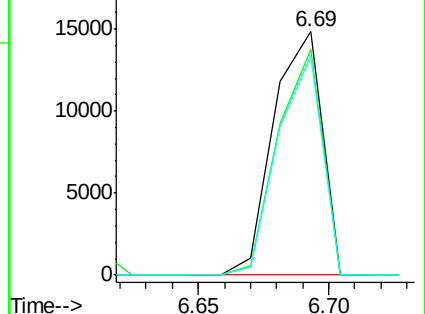
106 90.2 66.8 106.8

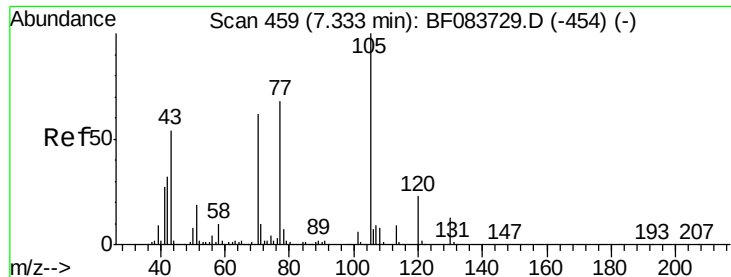


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

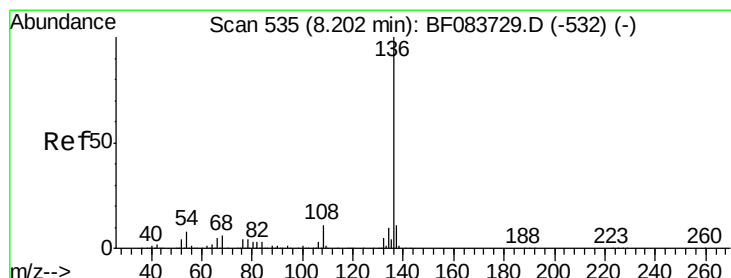
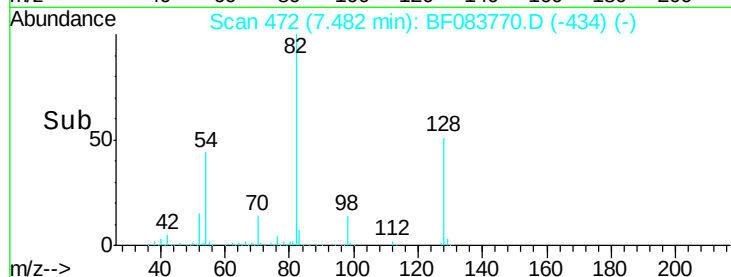
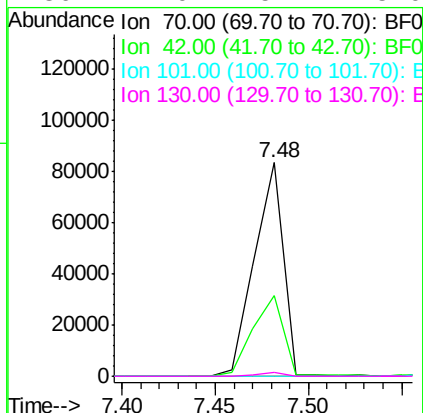
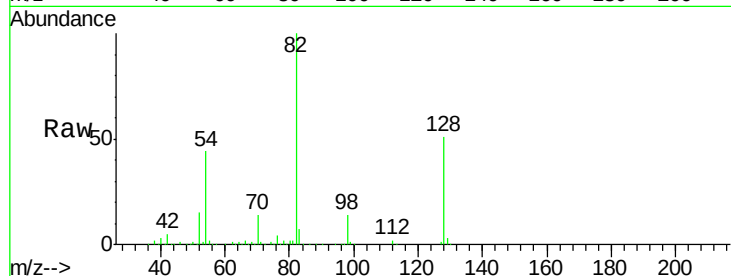




#19
n-Nitroso-di-n-propylamine
Concen: 16.15 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.14 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

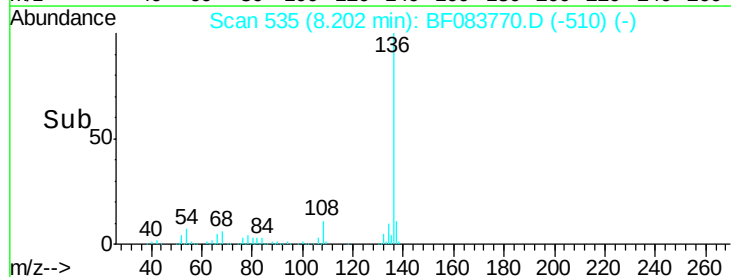
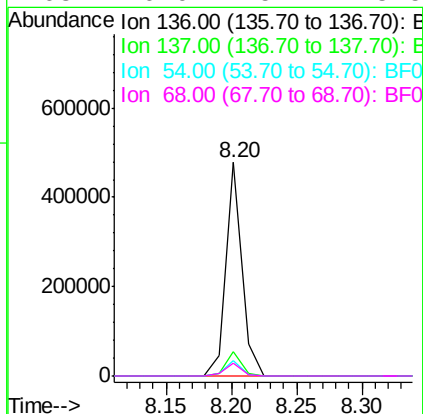
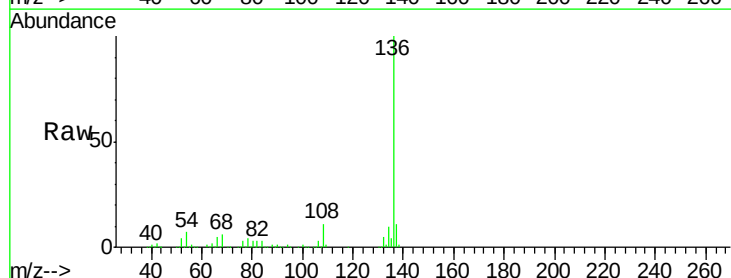
Instrument :
BNA_F
ClientSampleId :

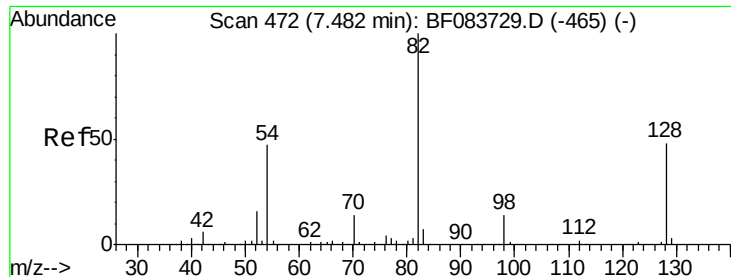
Tot Ion: 70 Resp: 89039
Ion Ratio Lower Upper
70 100
42 38.0 49.2 73.8#
101 0.0 7.1 10.7#
130 2.0 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Tgt Ion:136 Resp: 409211
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.4 7.8 11.6#
68 6.0 5.7 8.5

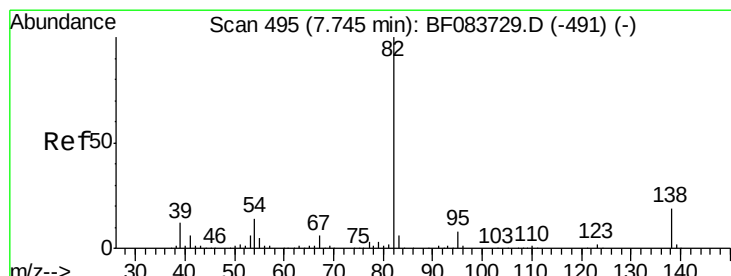
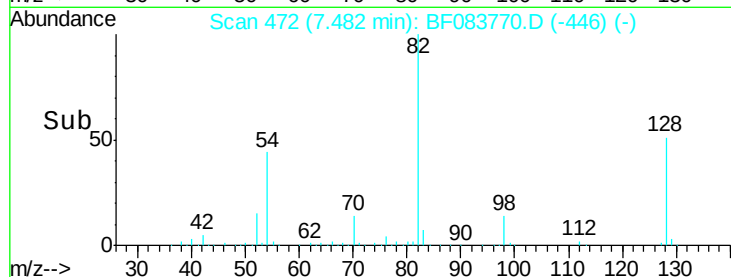
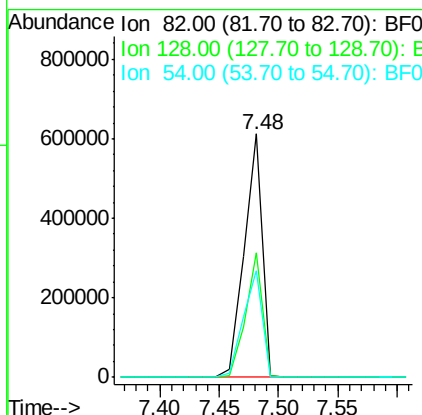
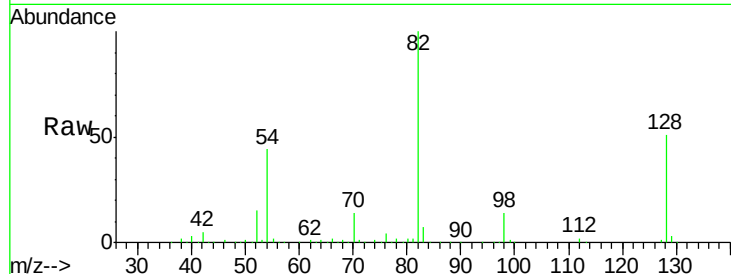




#23
 Nitrobenzene-d5
 Concen: 88.33 ng
 RT: 7.48 min Scan# 472
 Delta R.T. 0.00 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

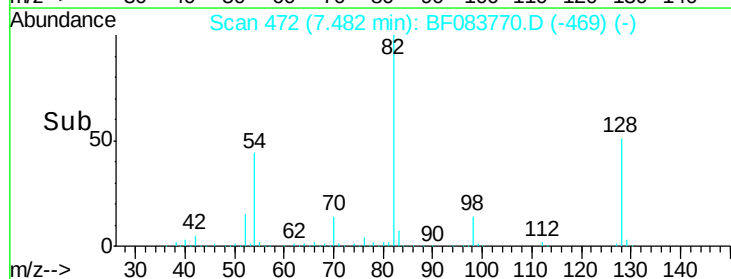
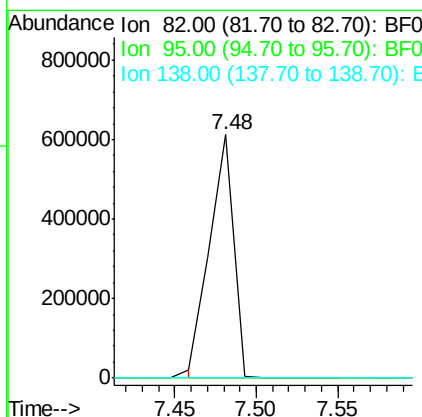
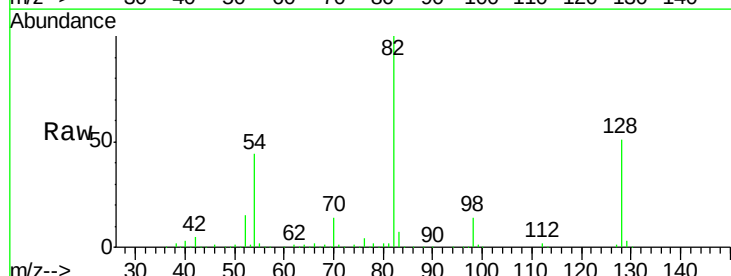
Instrument :
 BNA_F
 ClientSampleId :

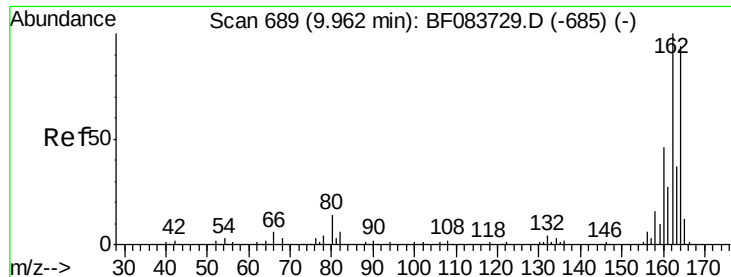
Tot Ion: 82 Resp: 646067
 Ion Ratio Lower Upper
 82 100
 128 51.1 30.7 46.1#
 54 43.9 42.5 63.7



#25
 Isophorone
 Concen: 43.97 ng
 RT: 7.48 min Scan# 472
 Delta R.T. -0.26 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Tgt Ion: 82 Resp: 631040
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.0 7.4#
 138 0.0 12.1 18.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampleId :

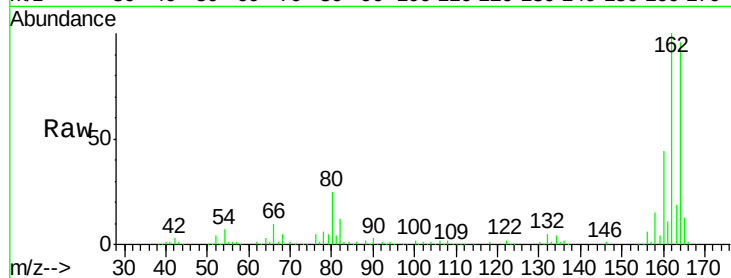
Tot Ion:164 Resp: 167861

Ion Ratio Lower Upper

164 100

162 104.3 78.8 118.2

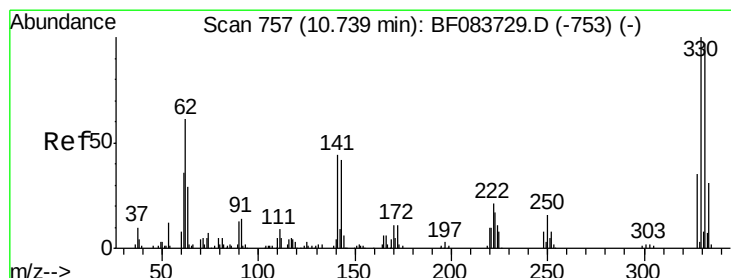
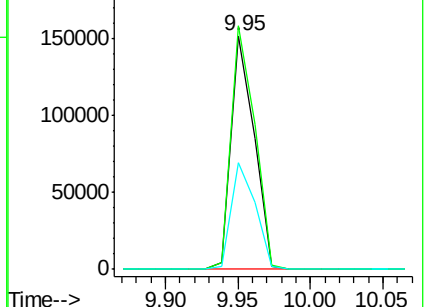
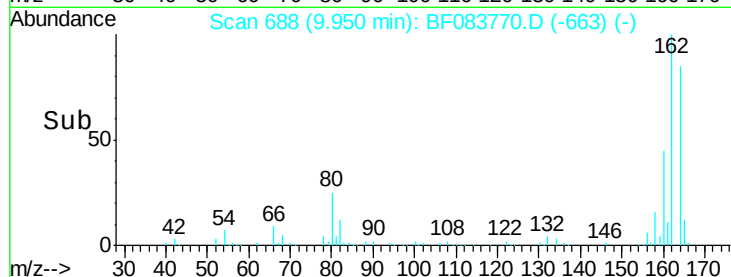
160 45.8 33.4 50.2



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: 103.44 ng

RT: 10.74 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

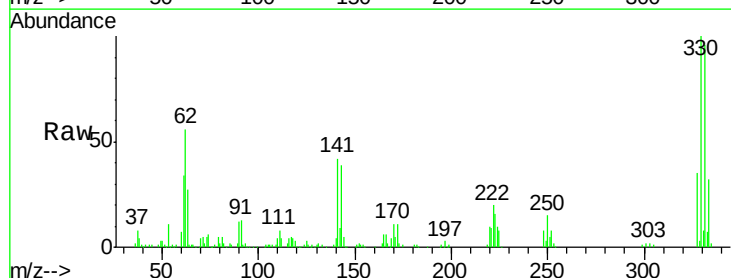
Tgt Ion:330 Resp: 176935

Ion Ratio Lower Upper

330 100

332 97.2 0.0 0.0#

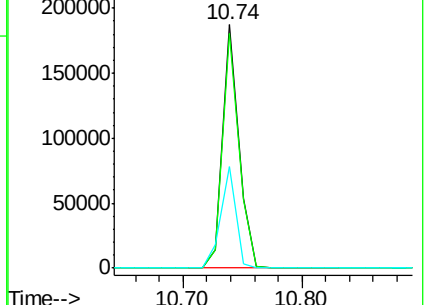
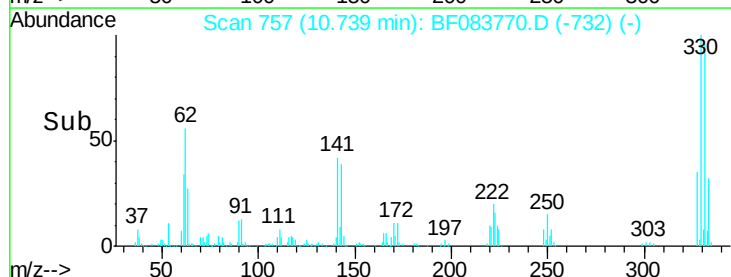
141 39.7 0.0 0.0#

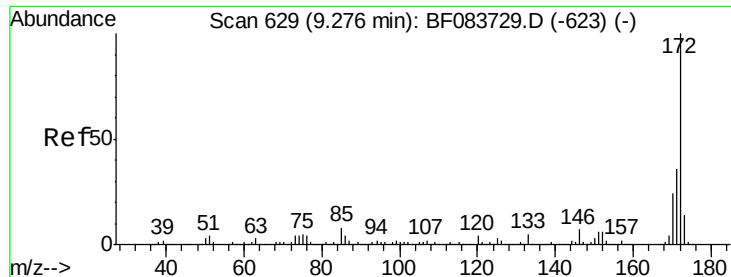


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

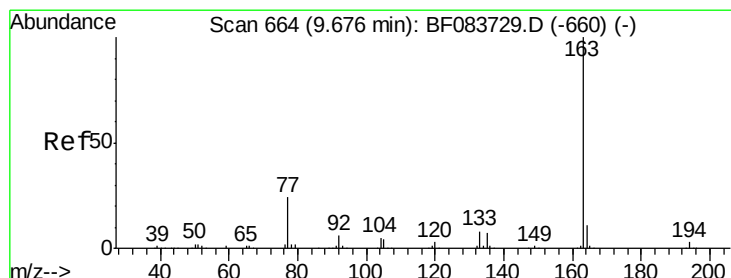
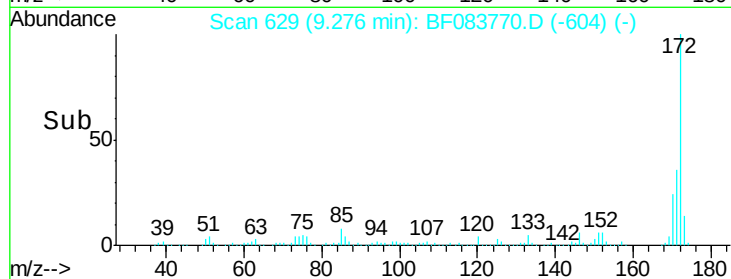
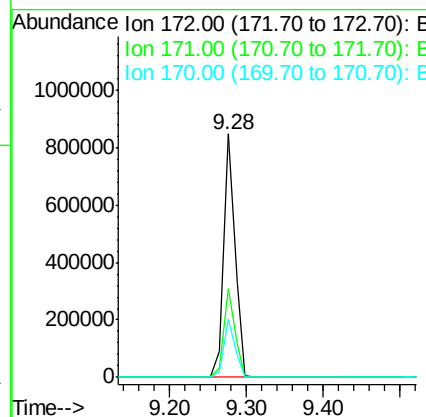
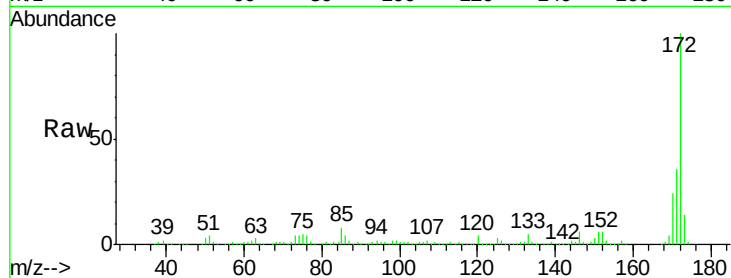




#44
 2-Fluorobiphenyl
 Concen: 73.84 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

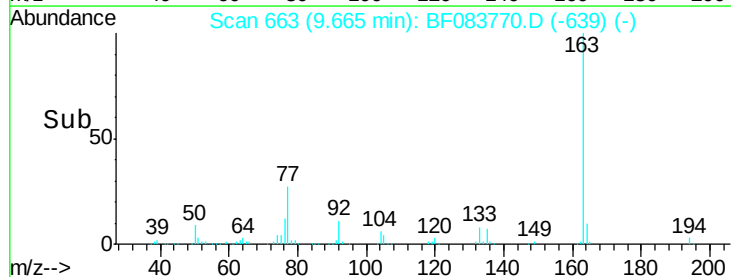
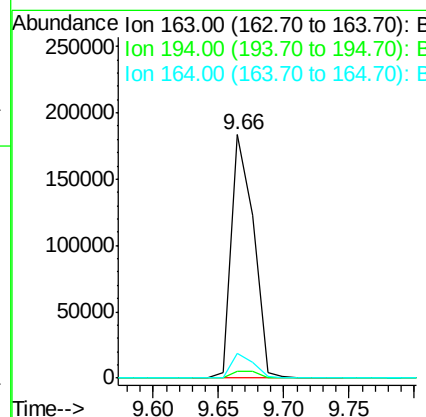
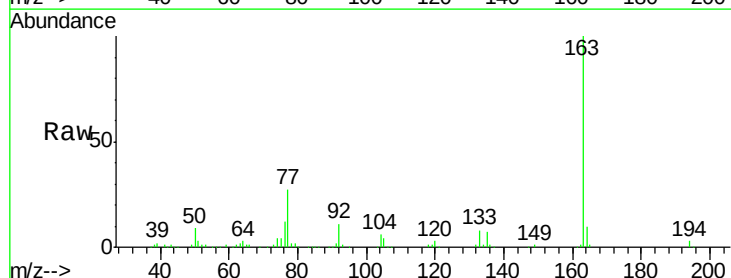
Instrument :
 BNA_F
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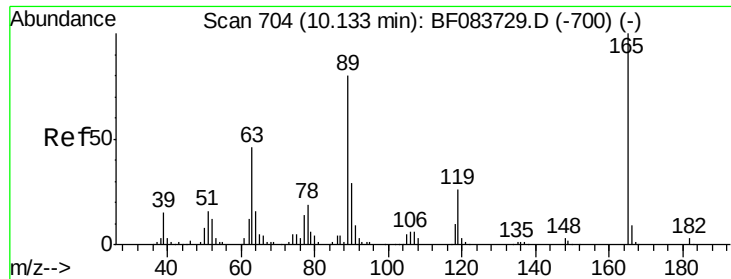
Tot Ion:172 Resp: 879982
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 42.8
 170 23.9 19.4 29.0



#49
 Dimethylphthalate
 Concen: 16.54 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.02 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Tgt Ion:163 Resp: 216508
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.3 8.6 13.0

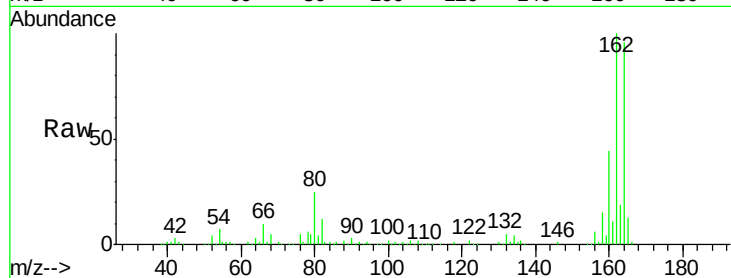




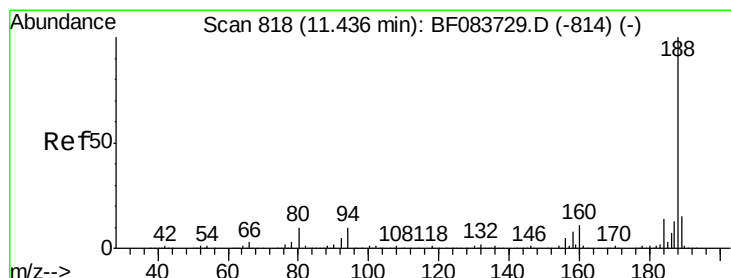
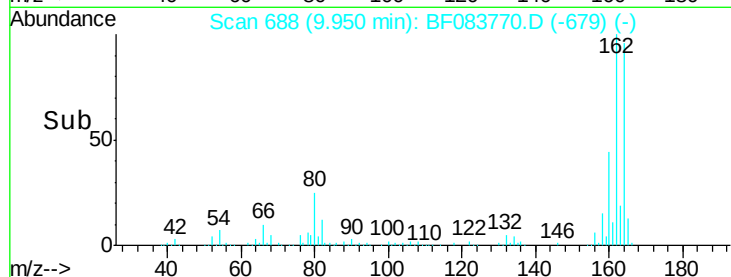
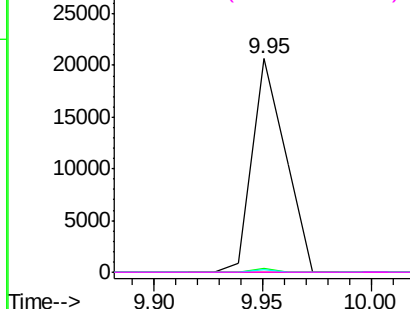
#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.19 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21881
 Ion Ratio Lower Upper
 165 100
 63 1.9 51.4 77.2#
 89 1.5 72.6 108.8#
 182 0.0 1.4 2.0#

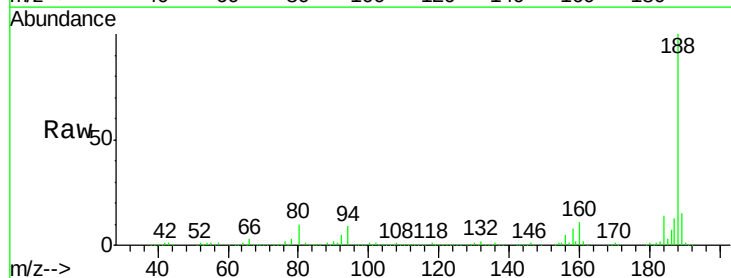


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

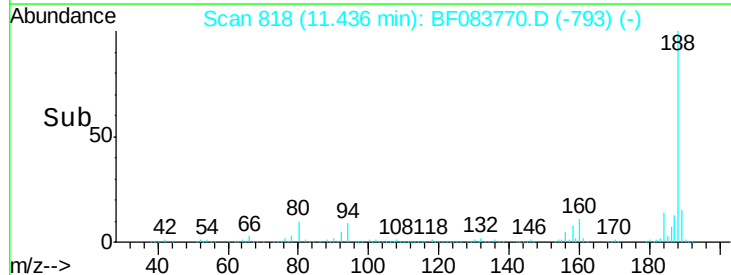
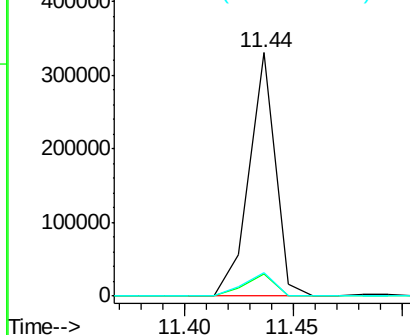


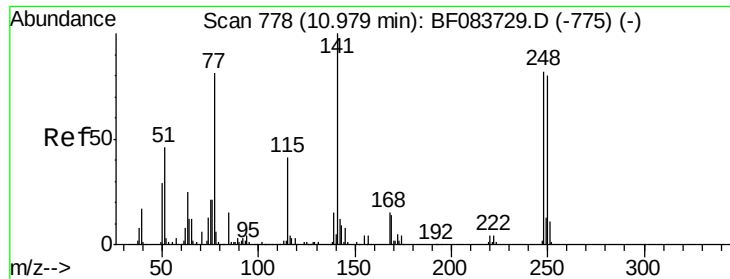
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Tgt Ion:188 Resp: 277529
 Ion Ratio Lower Upper
 188 100
 94 8.9 9.4 14.2#
 80 9.7 10.6 16.0#



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

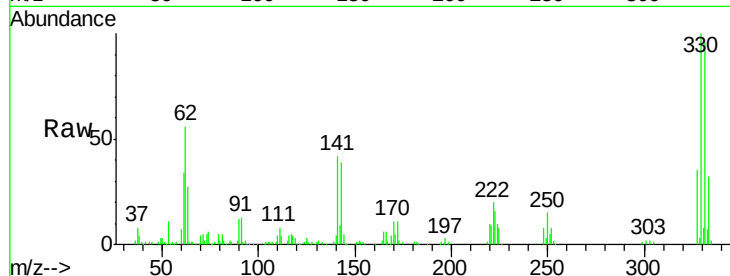




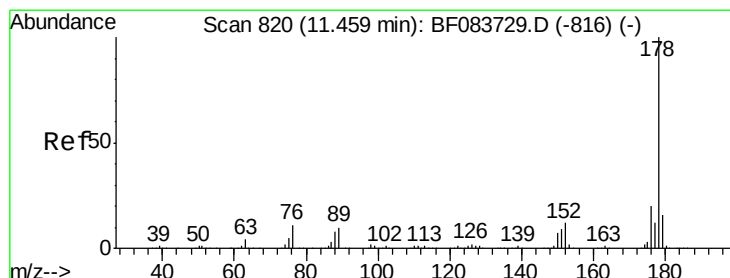
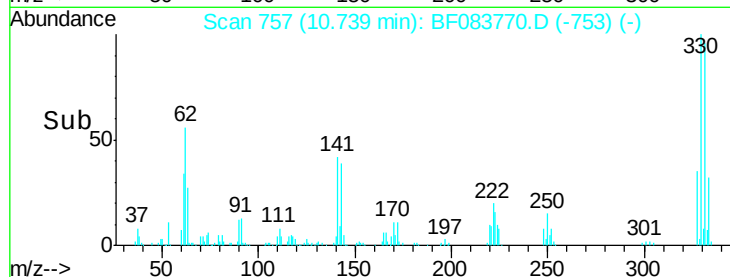
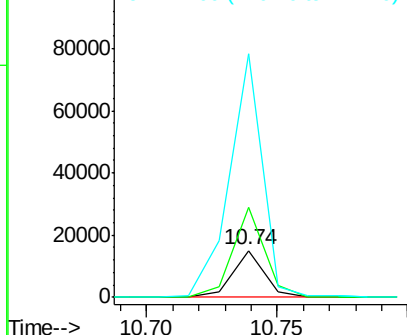
#66
4-Bromophenyl-phenylether
Concen: 4.08 ng
RT: 10.74 min Scan# 757
Delta R.T. -0.25 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12672
Ion Ratio Lower Upper
248 100
250 192.5 79.2 118.8#
141 520.8 58.2 87.4#

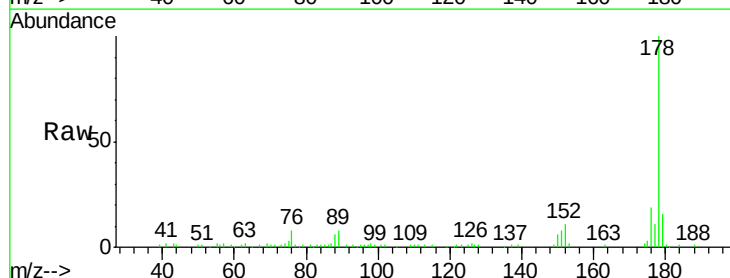


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

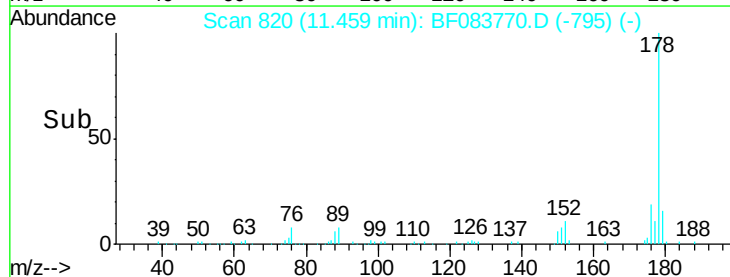
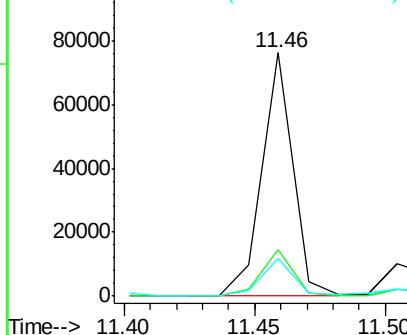


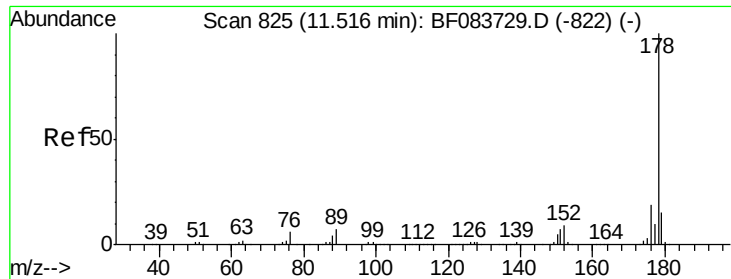
#70
Phenanthrene
Concen: 4.24 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Tgt Ion:178 Resp: 62570
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.5 12.2 18.4



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

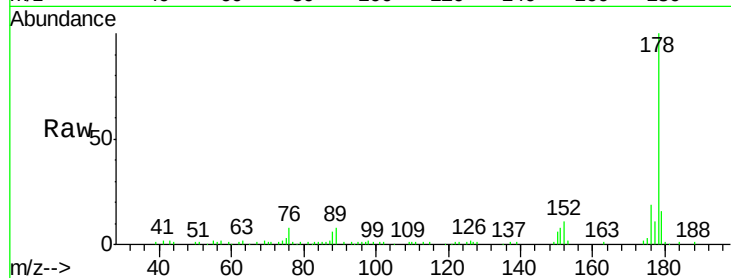




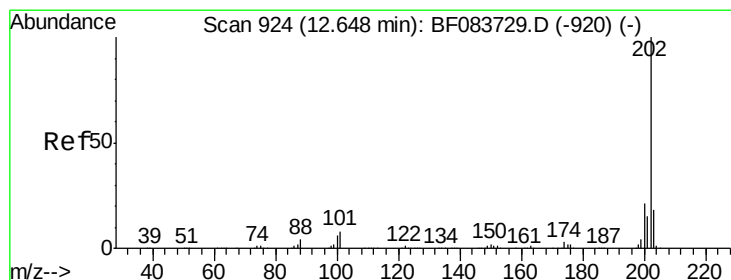
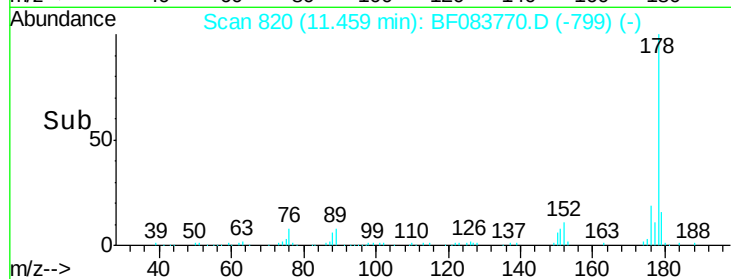
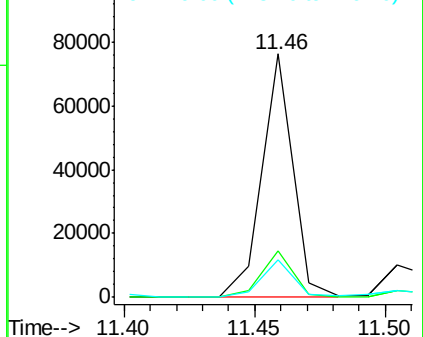
#71
 Anthracene
 Concen: 4.09 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.06 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 62570
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.5 12.6 18.8

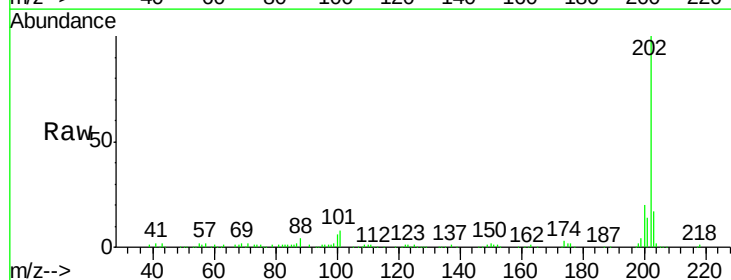


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

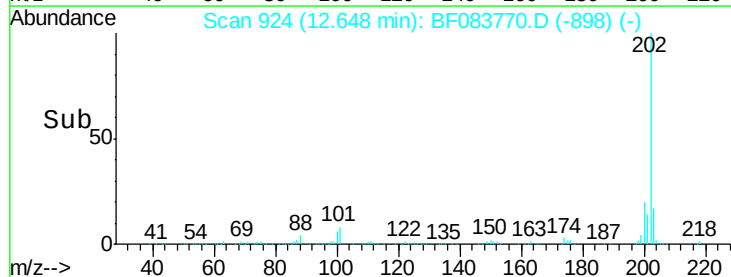
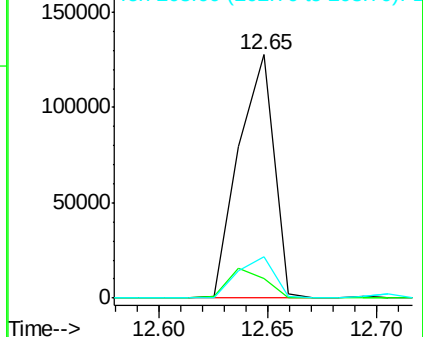


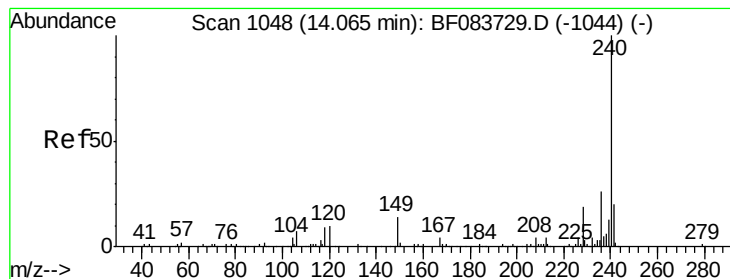
#74
 Fluoranthene
 Concen: 9.50 ng
 RT: 12.65 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Tgt Ion:202 Resp: 144728
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 31.5
 203 17.0 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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampleId :

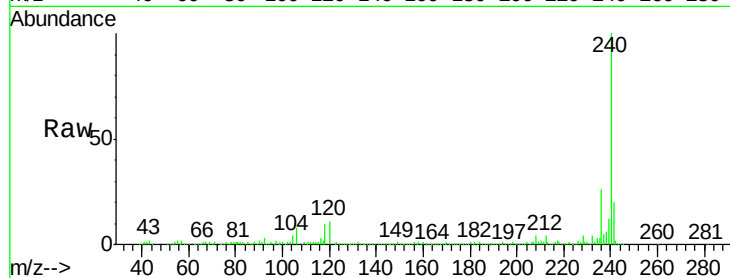
Tot Ion:240 Resp: 240307

Ion Ratio Lower Upper

240 100

120 11.3 8.1 12.1

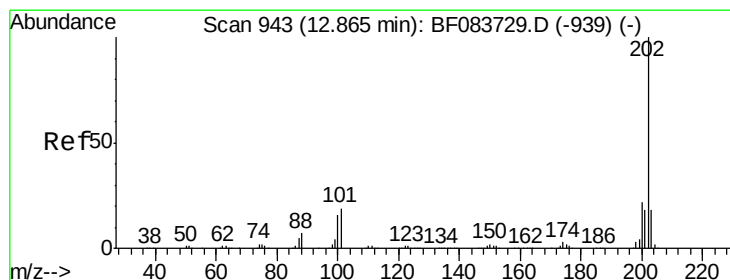
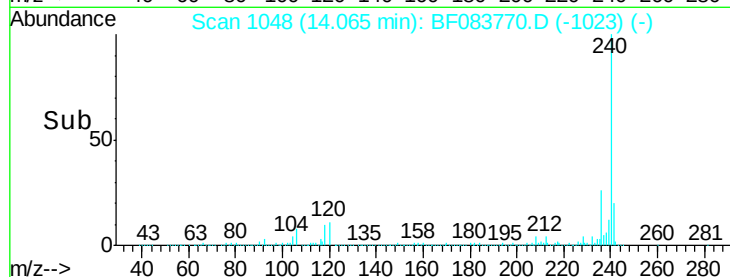
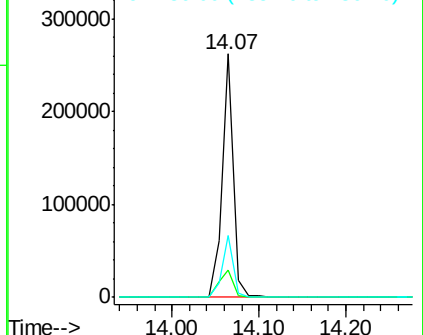
236 25.6 20.8 31.2



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: 6.20 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

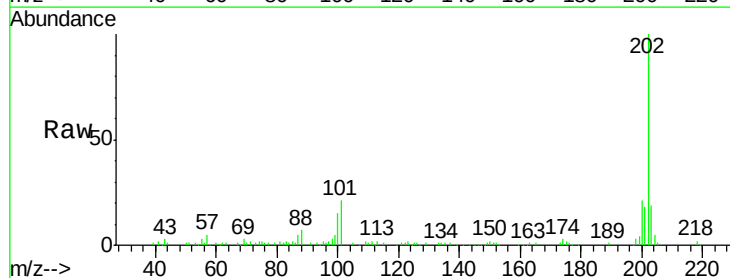
Tgt Ion:202 Resp: 117831

Ion Ratio Lower Upper

202 100

200 20.5 16.7 25.1

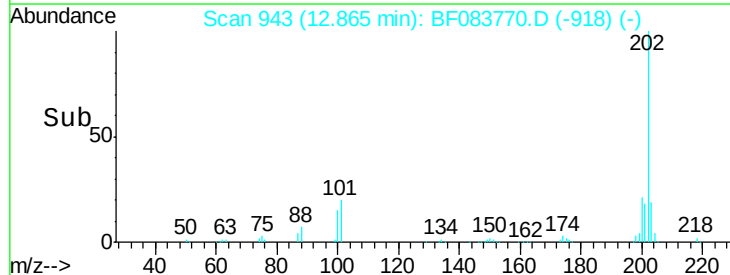
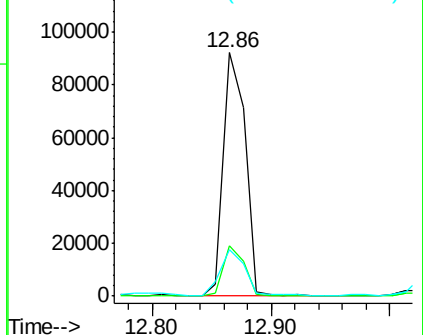
203 19.2 14.3 21.5

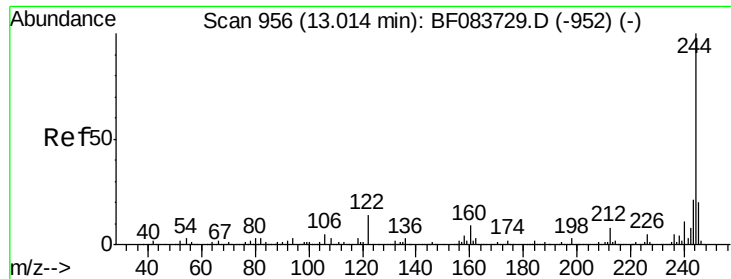


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

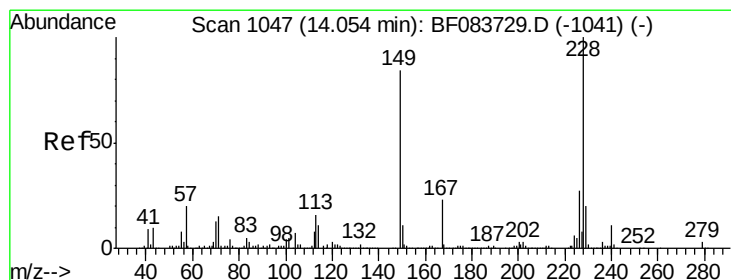
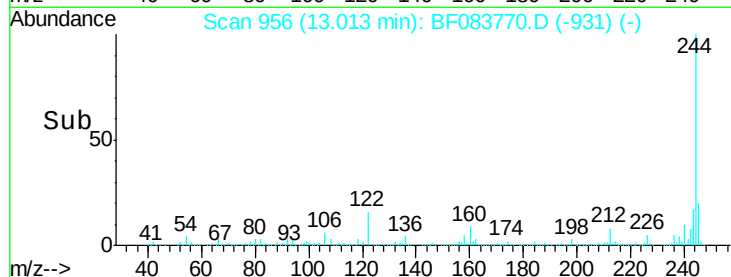
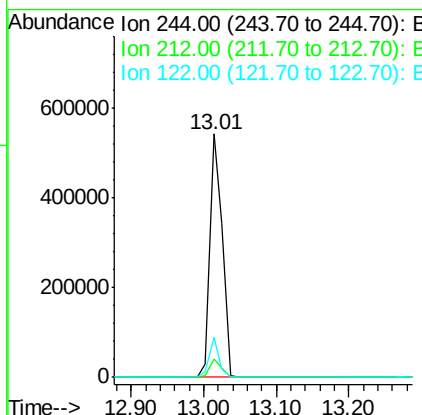
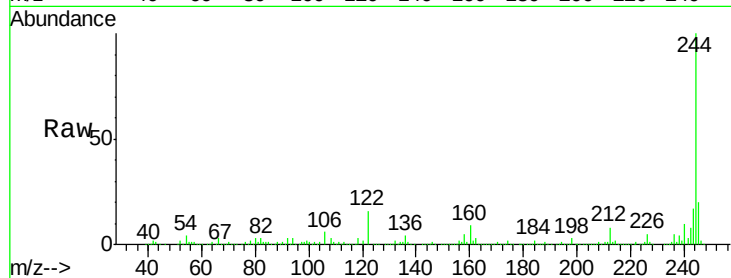




#78
 Terphenyl-d14
 Concen: 56.75 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

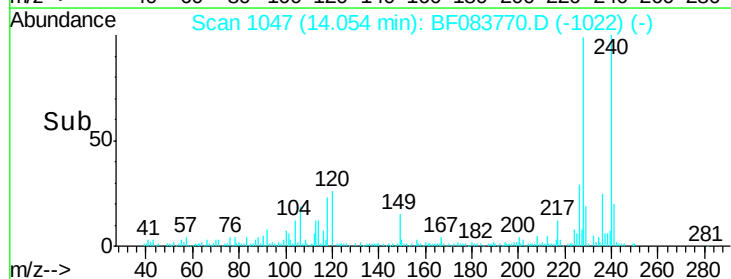
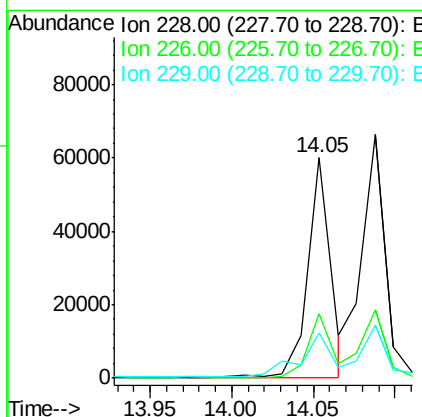
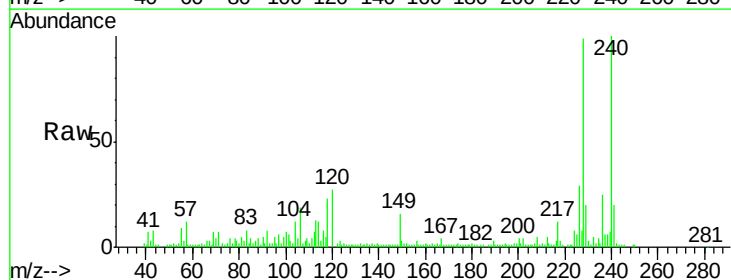
Instrument :
 BNA_F
 ClientSampleId :

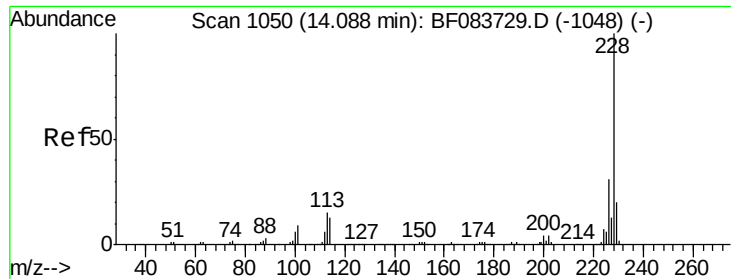
Tot Ion:244 Resp: 633971
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 16.5 11.0 16.6



#80
 Benzo(a)anthracene
 Concen: 4.32 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Tgt Ion:228 Resp: 58985
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.3 33.5
 229 20.5 15.7 23.5





#82

Chrysene

Concen: 4.02 ng

RT: 14.09 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampled :

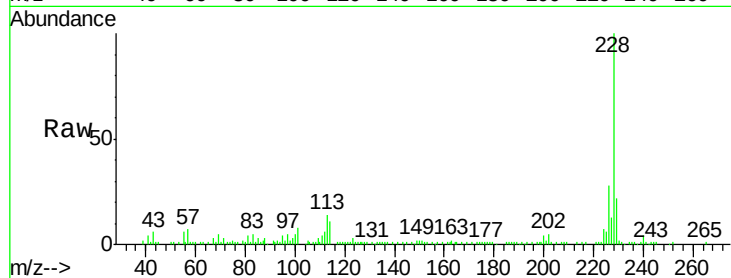
Tot Ion:228 Resp: 53644

Ion Ratio Lower Upper

228 100

226 27.9 24.7 37.1

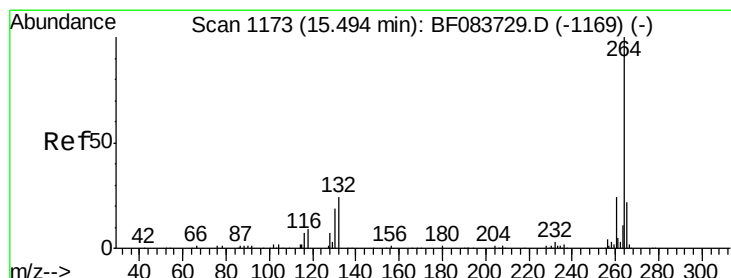
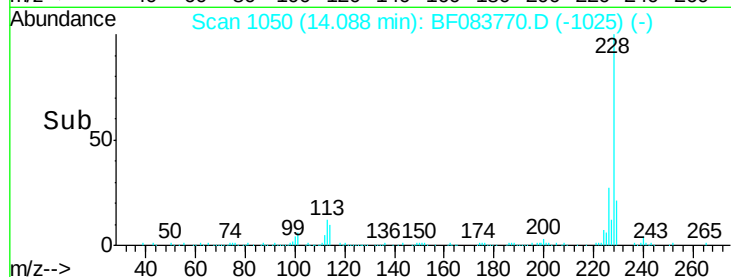
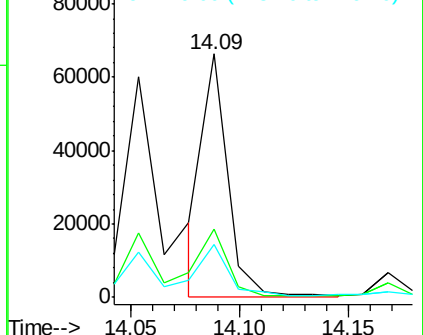
229 22.0 16.3 24.5



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: 15.51 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

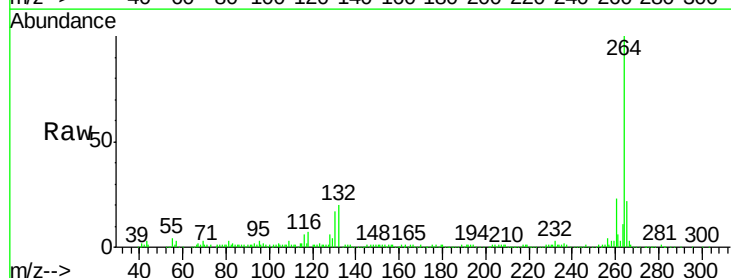
Tgt Ion:264 Resp: 170436

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

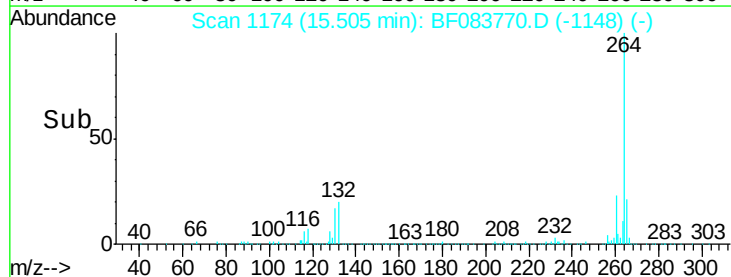
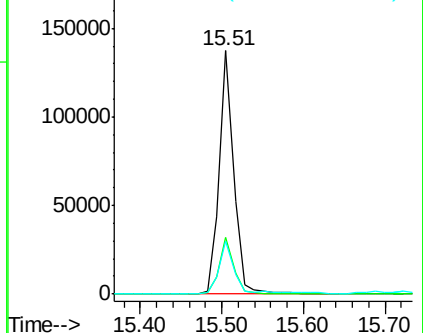
265 21.7 17.8 26.6

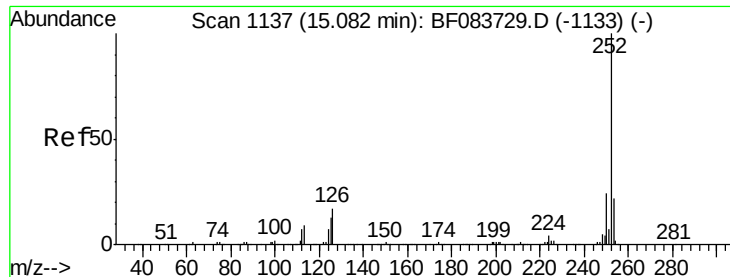


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.92 ng

RT: 15.09 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF083770.D

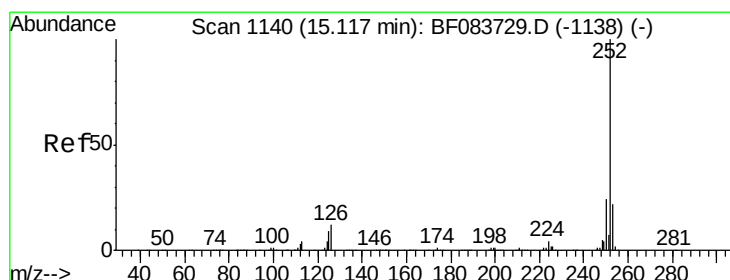
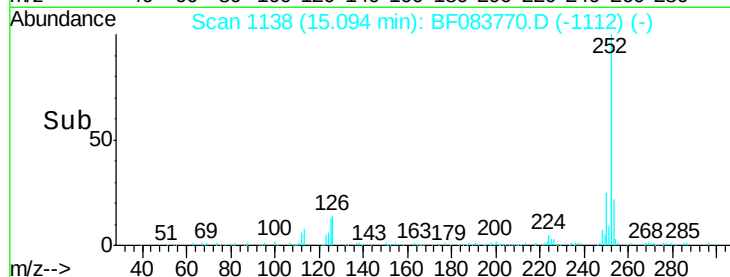
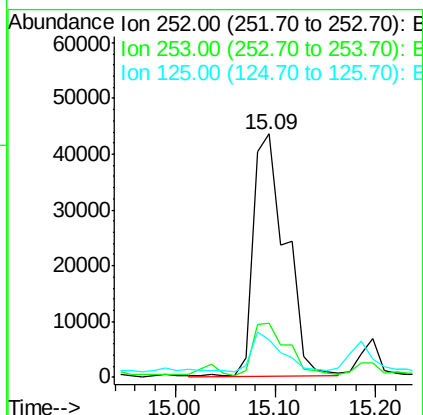
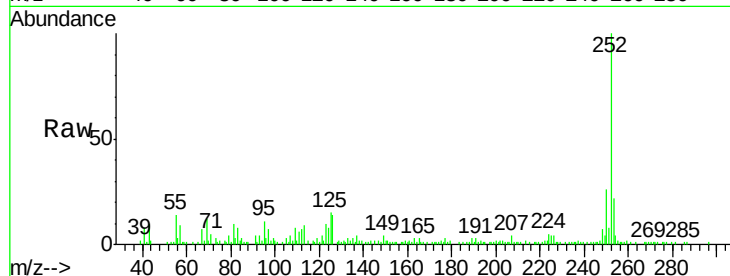
Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampled :

Tot Ion:252	Resp:	96984
Ion Ratio	Lower	Upper
252	100	
253	22.5	18.2 27.4
125	15.3	8.2 12.4#



#88

Benzo(k)fluoranthene

Concen: 9.84 ng

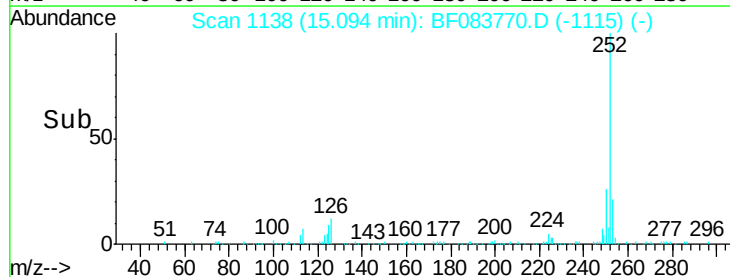
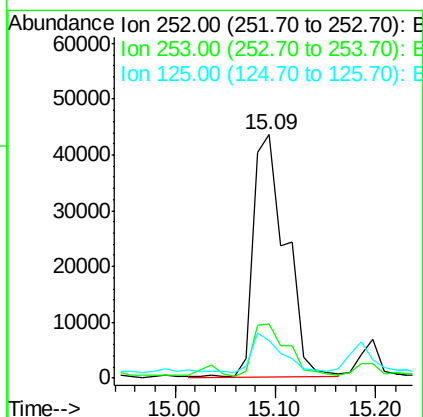
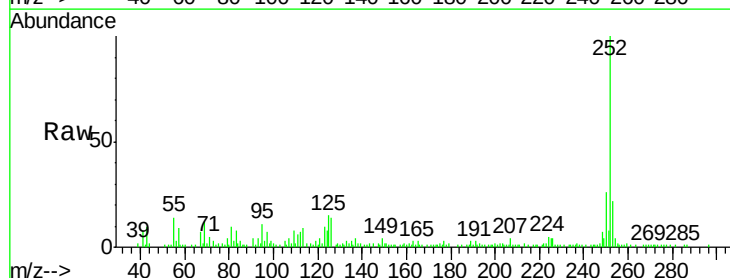
RT: 15.09 min Scan# 1138

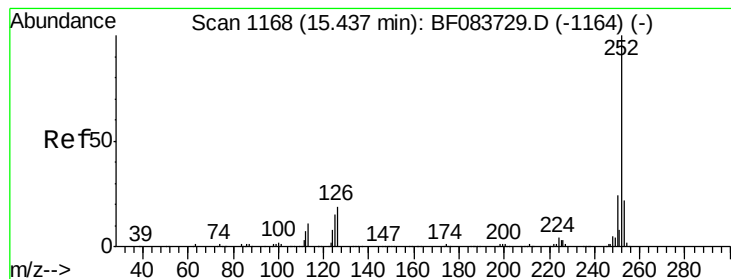
Delta R.T. -0.03 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Tgt Ion:252	Resp:	96984
Ion Ratio	Lower	Upper
252	100	
253	22.5	18.6 27.8
125	15.3	11.5 17.3





#89

Benzo(a)pyrene

Concen: 4.20 ng

RT: 15.45 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampleId :

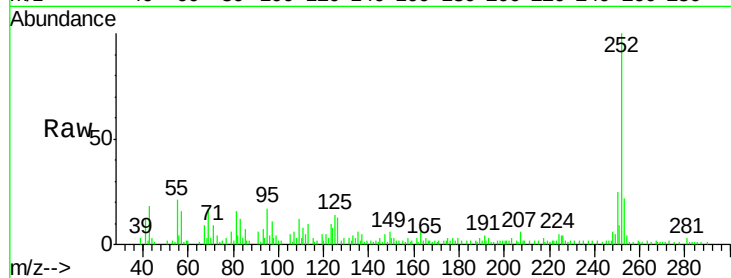
Tot Ion:252 Resp: 40747

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

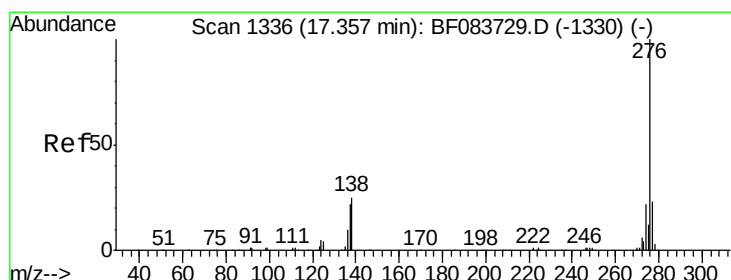
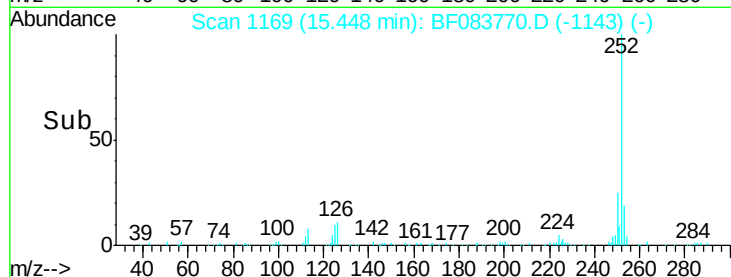
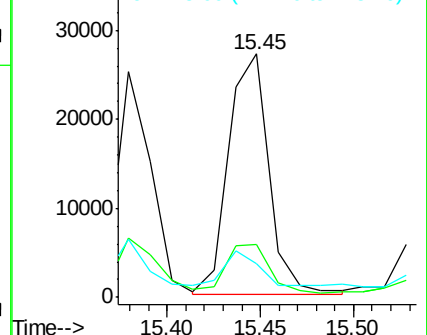
125 14.0 11.0 16.6



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: 2.38 ng

RT: 17.36 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

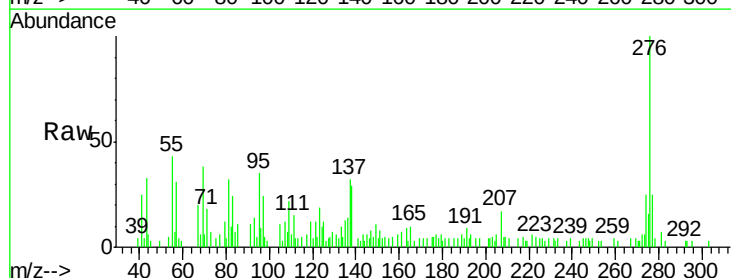
Tgt Ion:276 Resp: 23631

Ion Ratio Lower Upper

276 100

277 25.1 19.2 28.8

138 28.9 19.5 29.3



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

