

Data Path : Z:\HPCHEM1\BNA F\Data\BF021216\
 Data File : BF085047.D
 Acq On : 12 Feb 2016 7:53
 Operator : SJ/IZ
 Sample : H1361-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 12 09:45:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

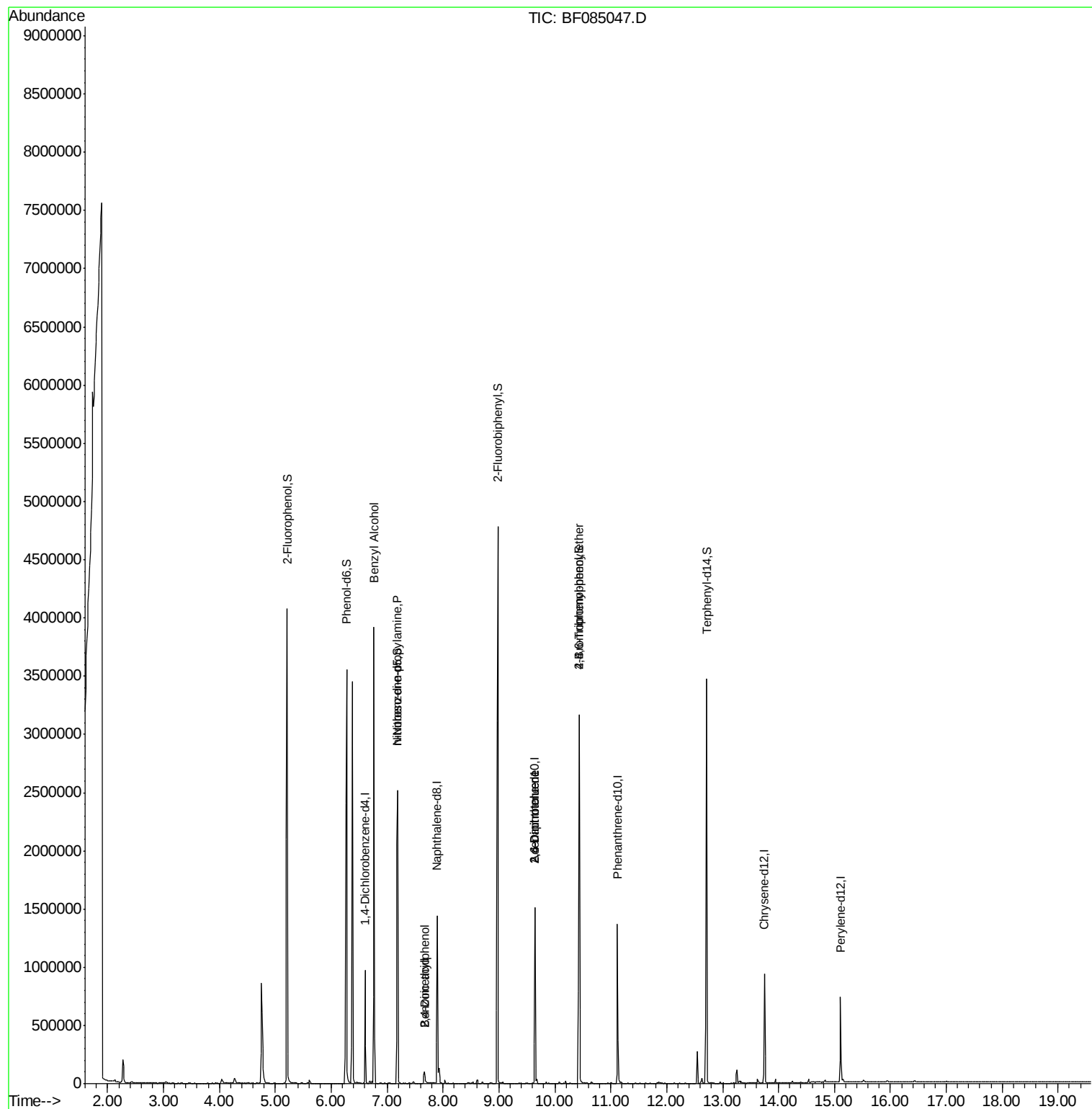
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	148629	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	646661	20.00	ng	-0.02
38) Acenaphthene-d10	9.64	164	296923	20.00	ng	-0.02
63) Phenanthrene-d10	11.12	188	503204	20.00	ng	-0.02
75) Chrysene-d12	13.75	240	329208	20.00	ng	-0.02
86) Perylene-d12	15.11	264	298051	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1267778	132.86	ng	0.01
7) Phenol-d6	6.27	99	1548987	130.94	ng	-0.01
23) Nitrobenzene-d5	7.19	82	1163603	101.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.43	330	392386	126.69	ng	-0.02
44) 2-Fluorobiphenyl	8.98	172	1971346	148.77	ng	-0.01
78) Terphenyl-d14	12.72	244	1690068	116.33	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	6.76	79	19188	2.35	ng	# 44
19) n-Nitroso-di-n-propylamine	7.19	70	157847	21.29	ng	# 78
27) 2,4-Dimethylphenol	7.67	122	35307	3.35	ng	# 1
32) Benzoic acid	7.67	122	36452	5.40	ng	# 89
50) 2,6-Dinitrotoluene	9.64	165	38441	7.78	ng	# 38
56) 2,4-Dinitrotoluene	9.64	165	38441	6.10	ng	# 22
66) 4-Bromophenyl-phenylether	10.43	248	23327	4.20	ng	# 1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

Instrument :

BNA_F

ClientSampleId :

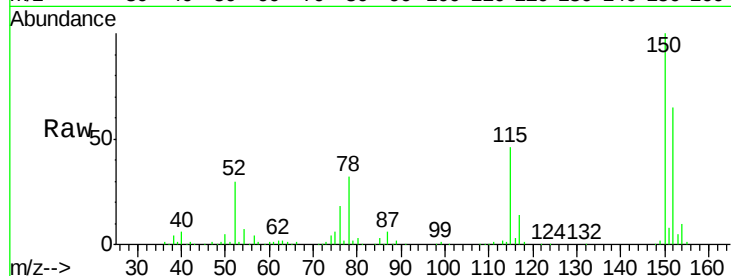
Tot Ion:152 Resp: 148629

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

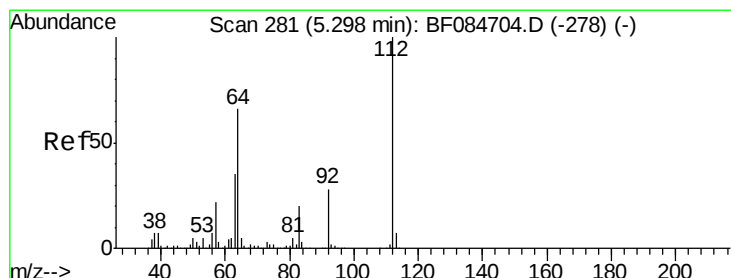
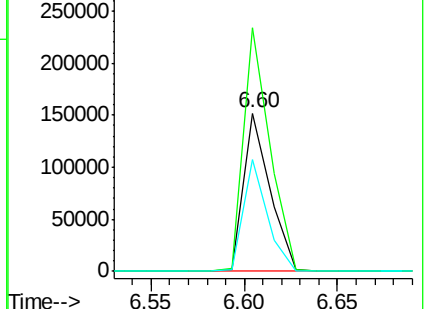
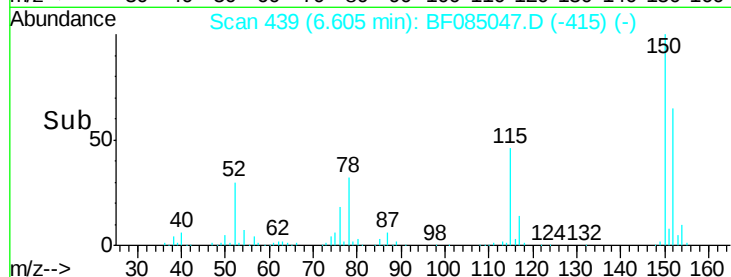
115 70.8 51.4 77.2



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: 132.86 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

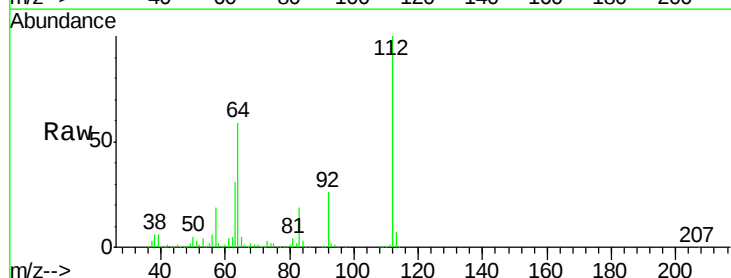
Tgt Ion:112 Resp: 1267778

Ion Ratio Lower Upper

112 100

64 59.1 36.6 55.0#

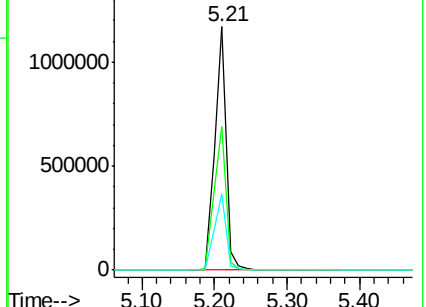
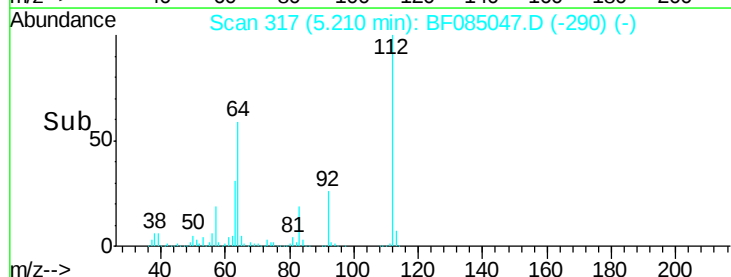
63 31.1 19.4 29.0#



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: 130.94 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

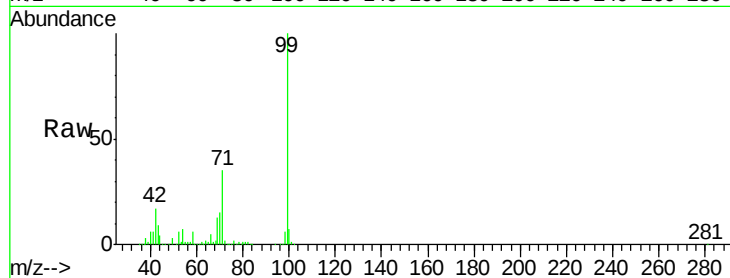
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1548987

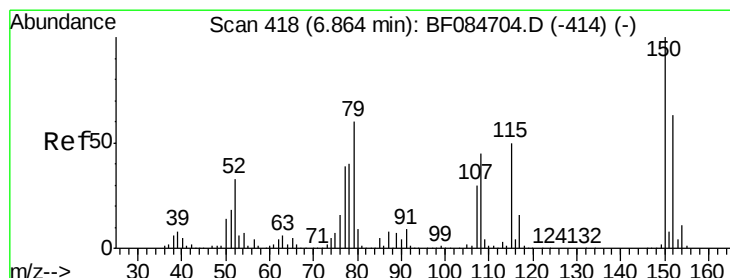
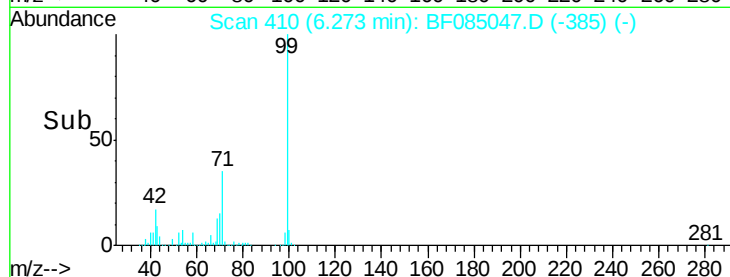
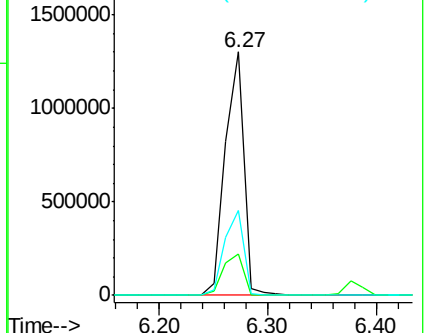
Ion	Ratio	Lower	Upper
99	100		
42	17.1	12.8	19.2
71	34.9	30.9	46.3



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: 2.35 ng

RT: 6.76 min Scan# 453

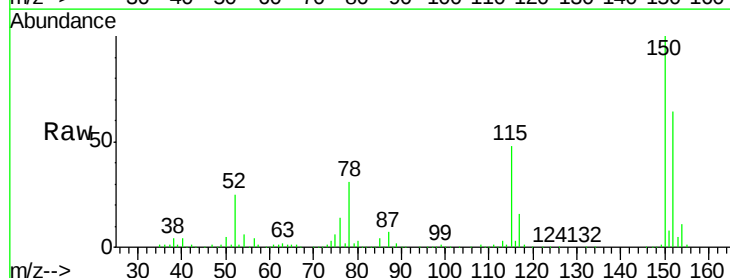
Delta R.T. -0.02 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

Tgt Ion: 79 Resp: 19188

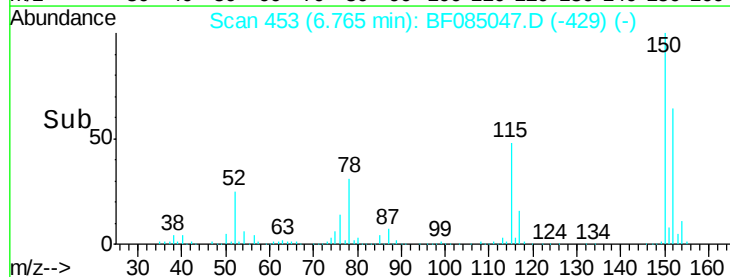
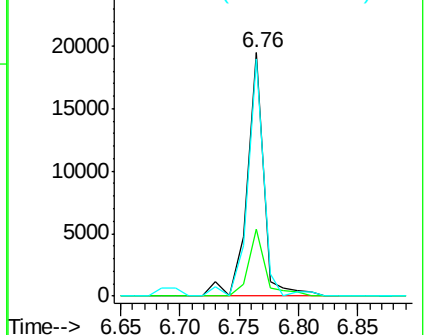
Ion	Ratio	Lower	Upper
79	100		
108	27.5	69.0	103.4#
77	97.5	50.0	75.0#

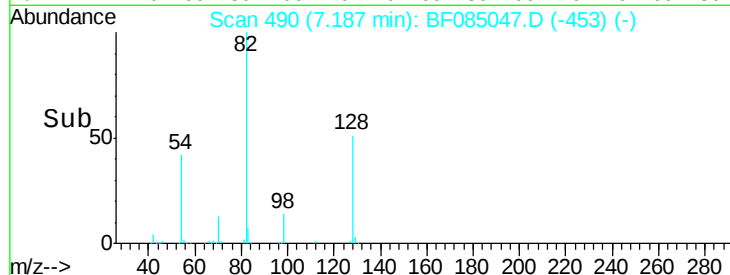
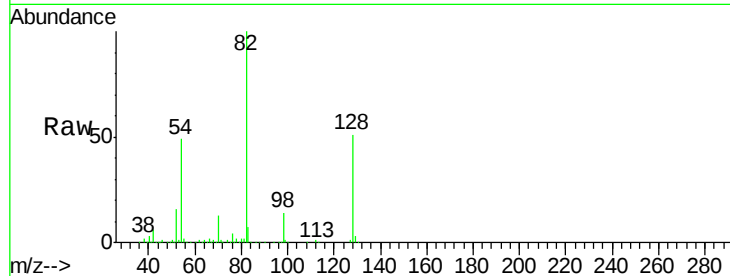


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

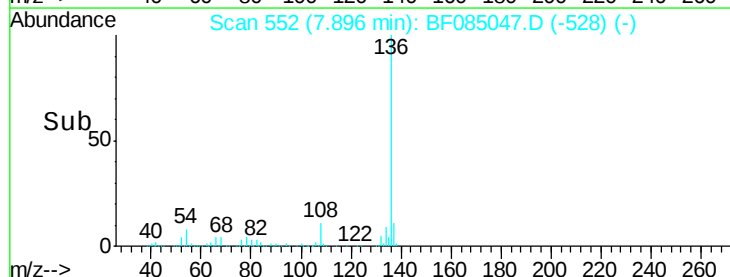
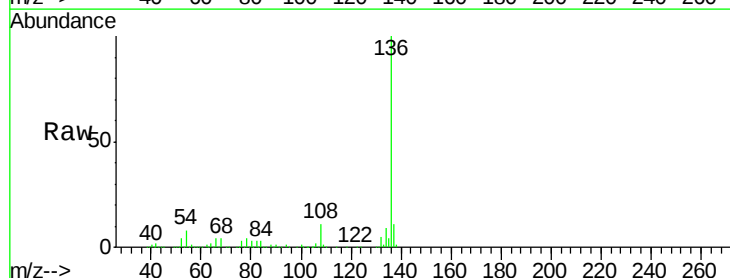
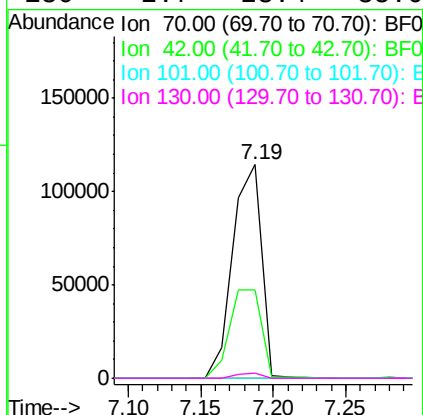




#19
n-Nitroso-di-n-propylamine
Concen: 21.29 ng
RT: 7.19 min Scan# 490
Delta R.T. 0.13 min
Lab File: BF085047.D
Acq: 12 Feb 2016 7:53

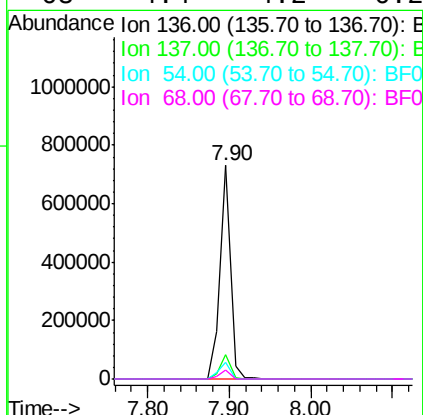
Instrument :
BNA_F
ClientSampleId :

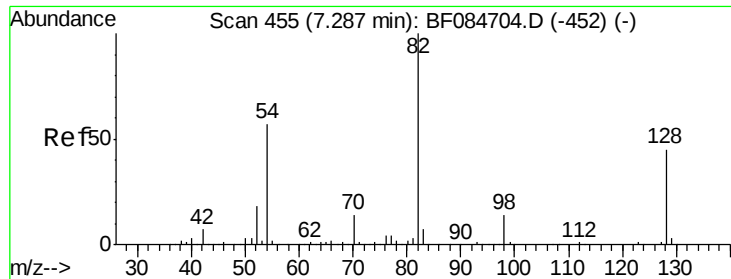
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.3	49.9
101	0.0	9.3	13.9#
130	2.7	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF085047.D
Acq: 12 Feb 2016 7:53

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.8	5.8	8.8
68	4.4	4.2	6.2





#23

Nitrobenzene-d5

Concen: 101.36 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.01 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

Instrument :

BNA_F

ClientSampled :

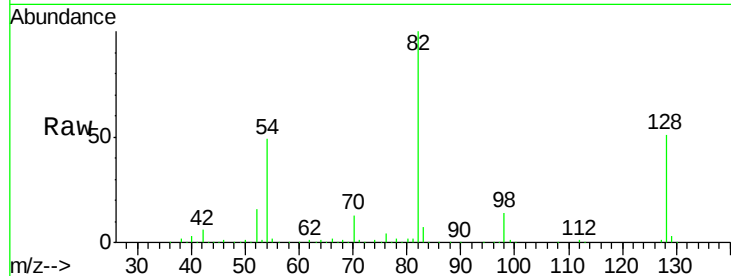
Tot Ion: 82 Resp: 1163603

Ion Ratio Lower Upper

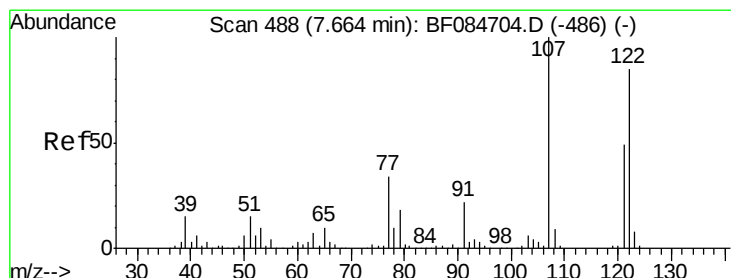
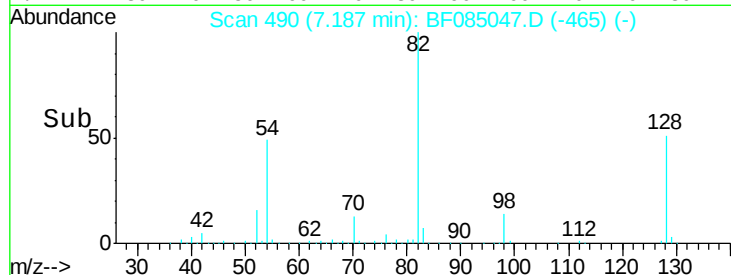
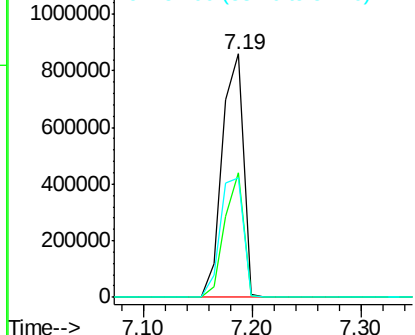
82 100

128 51.3 34.6 51.8

54 49.1 38.4 57.6



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



#27

2,4-Dimethylphenol

Concen: 3.35 ng

RT: 7.67 min Scan# 532

Delta R.T. 0.08 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

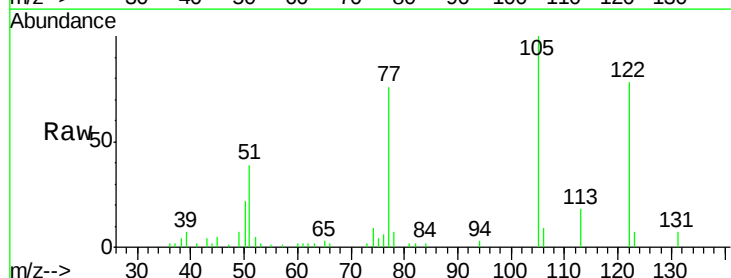
Tgt Ion:122 Resp: 35307

Ion Ratio Lower Upper

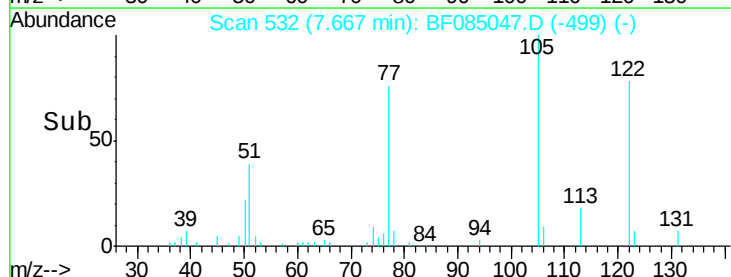
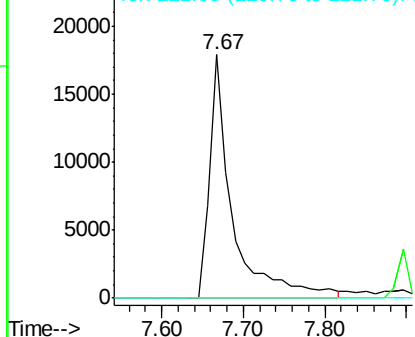
122 100

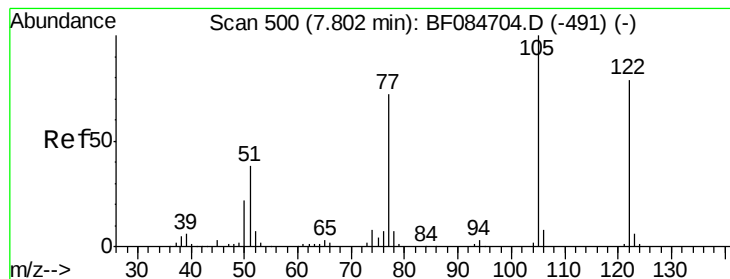
107 0.0 99.1 148.7#

121 0.0 47.9 71.9#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#32

Benzoic acid

Concen: 5.40 ng

RT: 7.67 min Scan# 532

Delta R.T. -0.08 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

Instrument :

BNA_F

ClientSampleId :

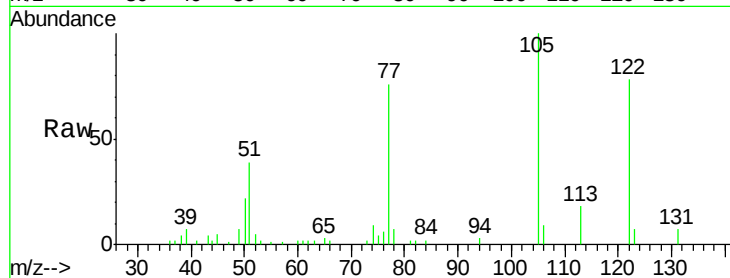
Tot Ion:122 Resp: 36452

Ion Ratio Lower Upper

122 100

105 128.2 100.3 140.3

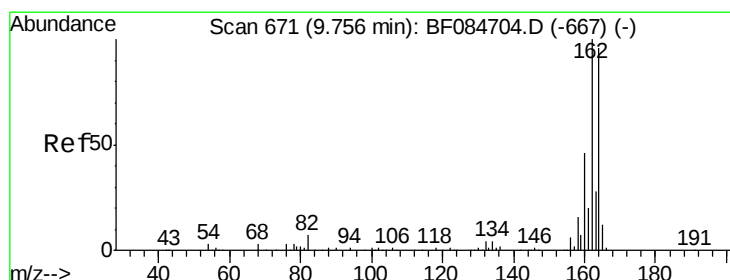
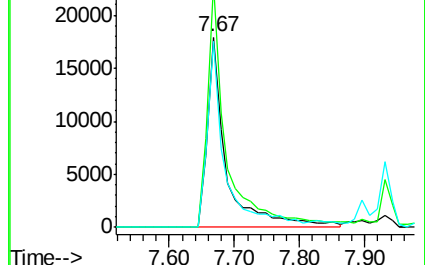
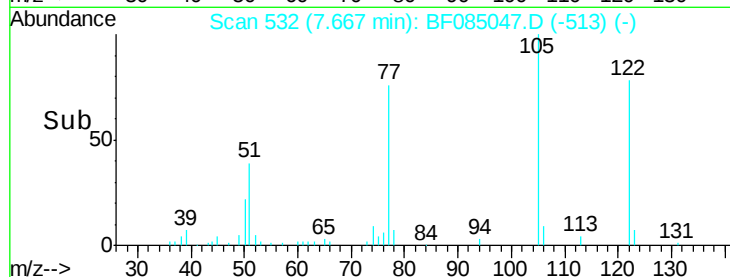
77 97.9 63.5 103.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

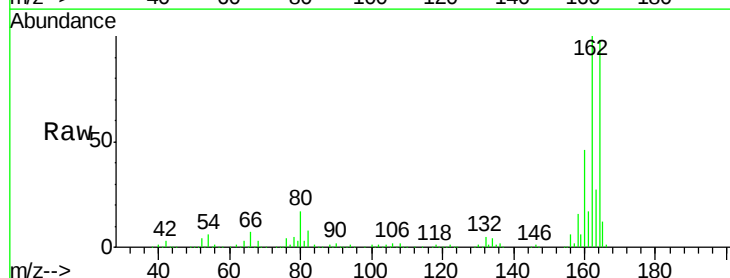
Tgt Ion:164 Resp: 296923

Ion Ratio Lower Upper

164 100

162 102.1 85.1 127.7

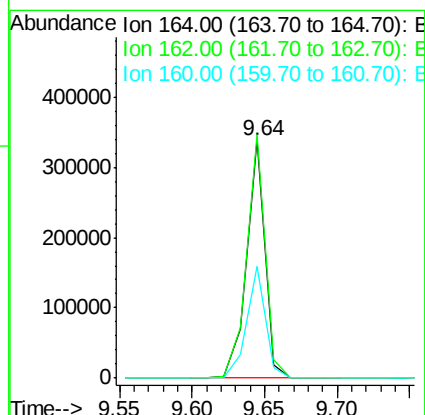
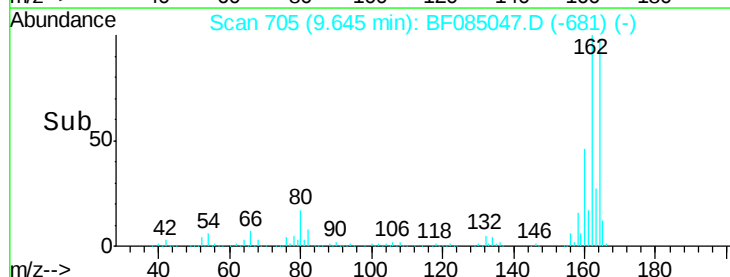
160 46.9 37.5 56.3

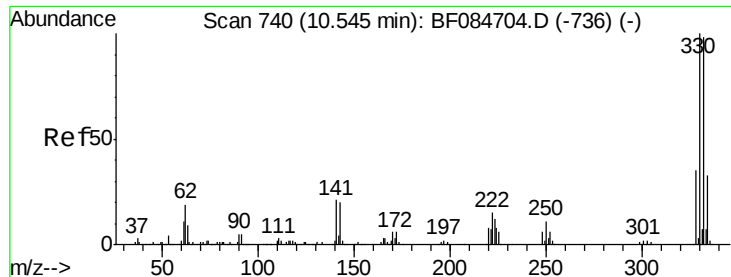


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

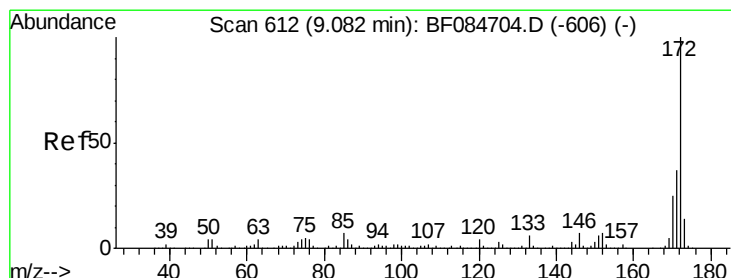
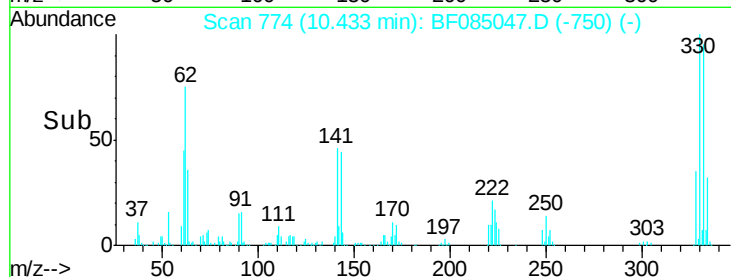
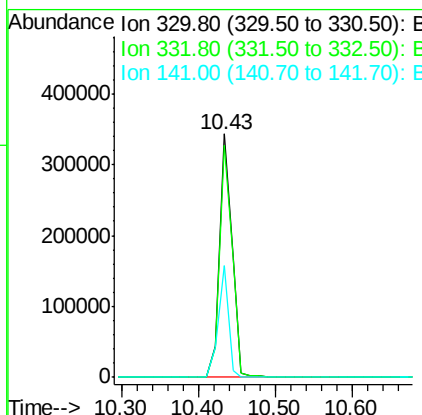
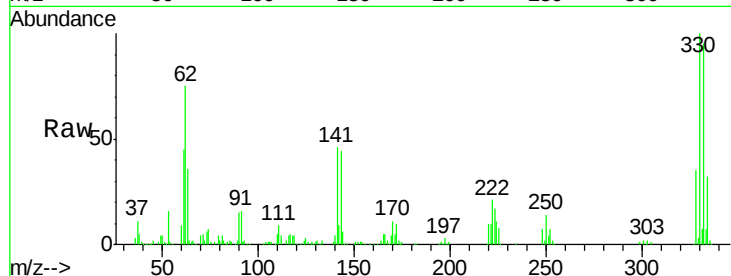




#41
 2,4,6-Tribromophenol
 Concen: 126.69 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.02 min
 Lab File: BF085047.D
 Acq: 12 Feb 2016 7:53

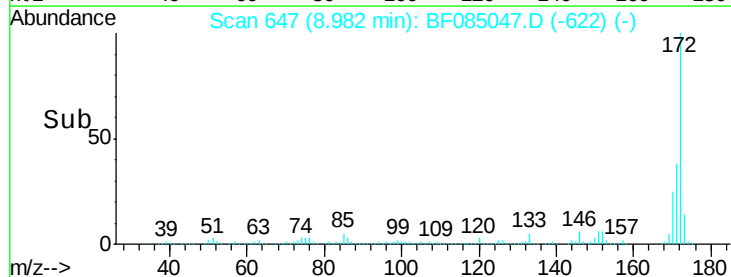
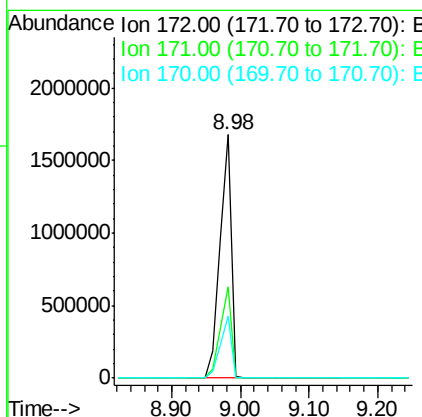
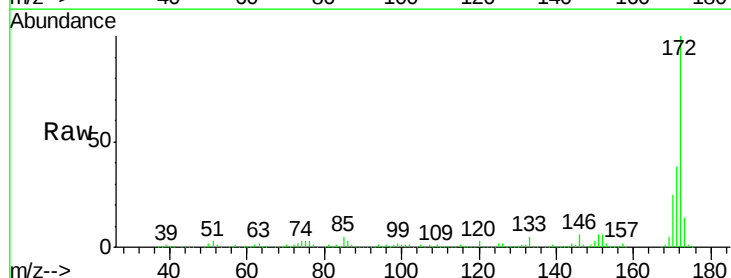
Instrument :
 BNA_F
 ClientSampleId :

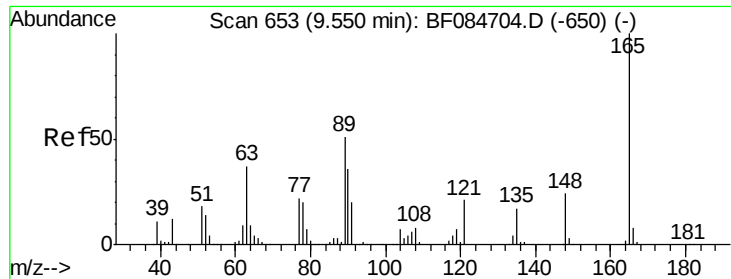
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	37.5	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 148.77 ng
 RT: 8.98 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BF085047.D
 Acq: 12 Feb 2016 7:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.9	43.3
170	25.4	18.6	27.8

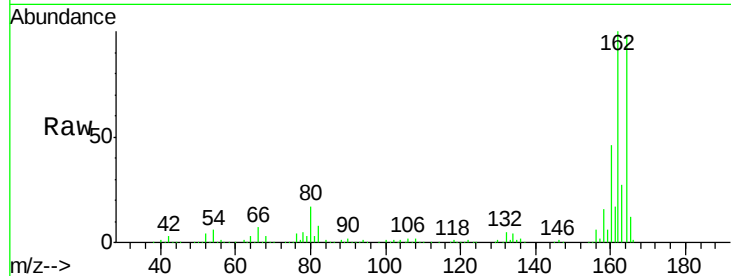




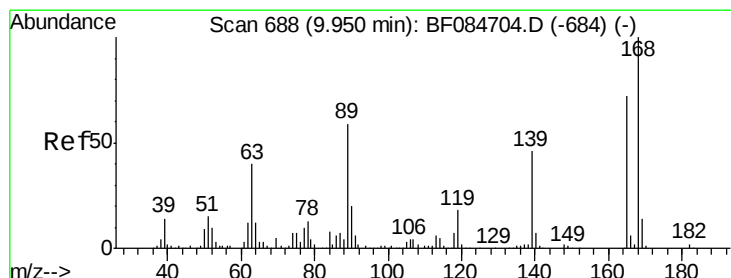
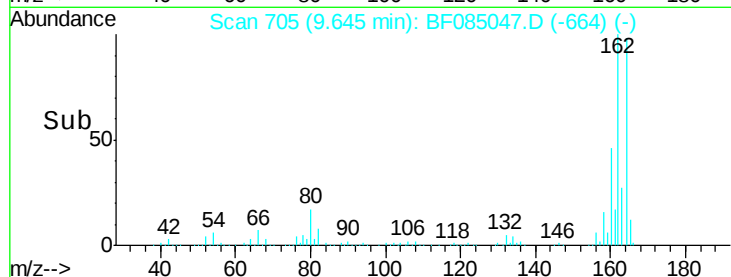
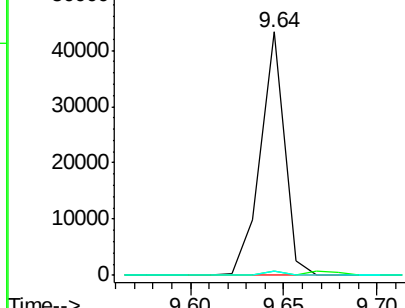
#50
 2,6-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.64 min Scan# 705
 Delta R.T. 0.17 min
 Lab File: BF085047.D
 Acq: 12 Feb 2016 7:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	28.8	43.2#
89	1.5	35.1	52.7#



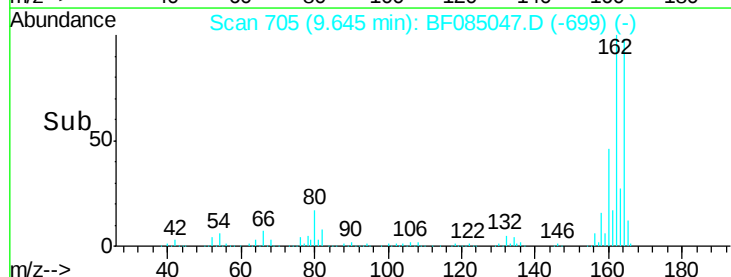
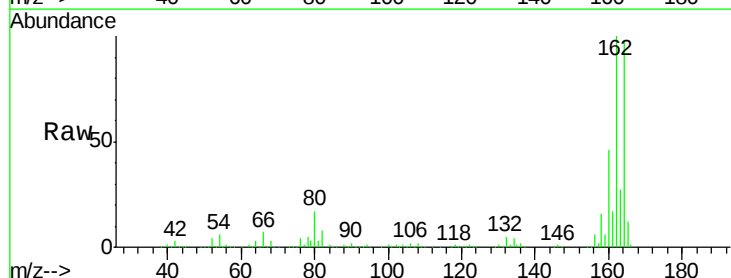
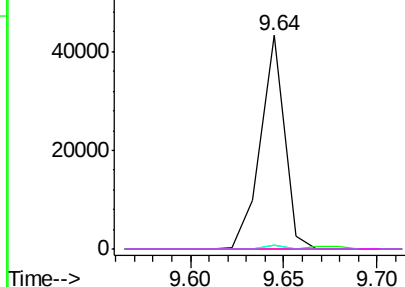
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

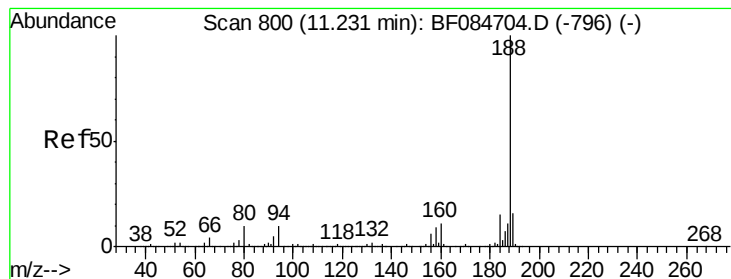


#56
 2,4-Dinitrotoluene
 Concen: 6.10 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.23 min
 Lab File: BF085047.D
 Acq: 12 Feb 2016 7:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.7	55.1#
89	1.5	61.9	92.9#
182	0.0	2.0	3.0#

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: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

Instrument :

BNA_F

ClientSampleId :

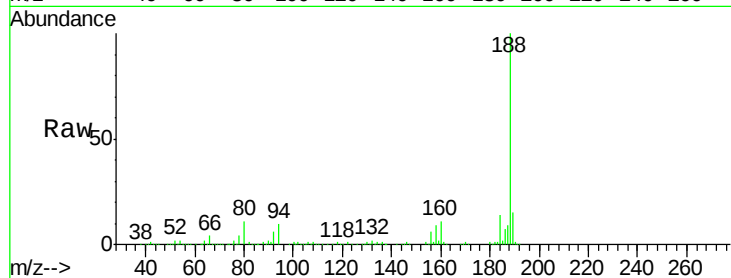
Tot Ion:188 Resp: 503204

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

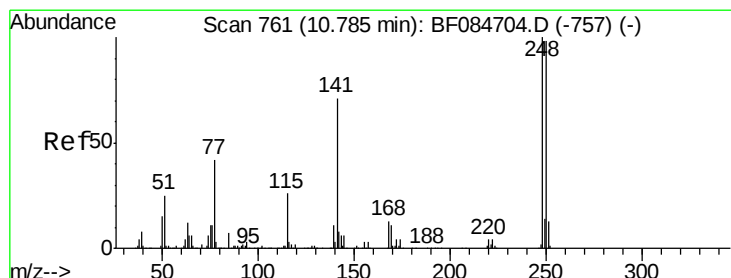
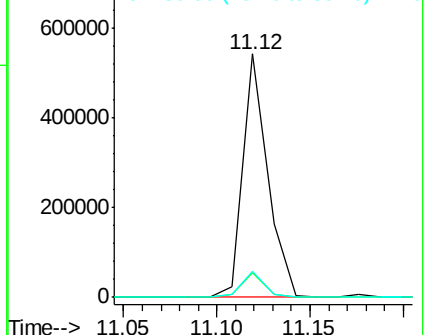
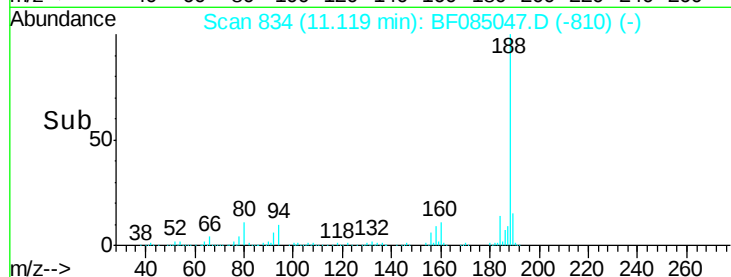
80 10.7 9.6 14.4



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



#66

4-Bromophenyl-phenylether

Concen: 4.20 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.26 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

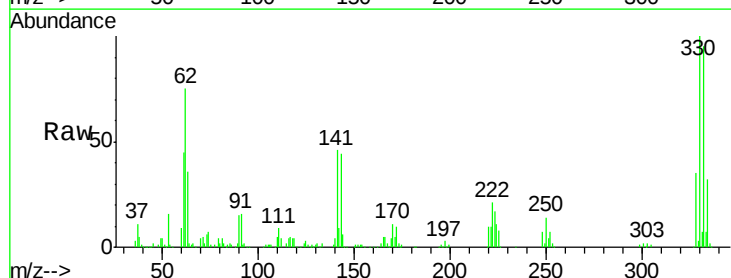
Tgt Ion:248 Resp: 23327

Ion Ratio Lower Upper

248 100

250 197.1 78.4 117.6#

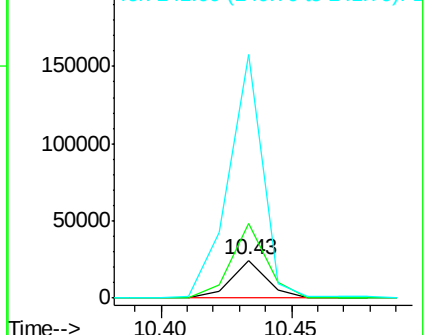
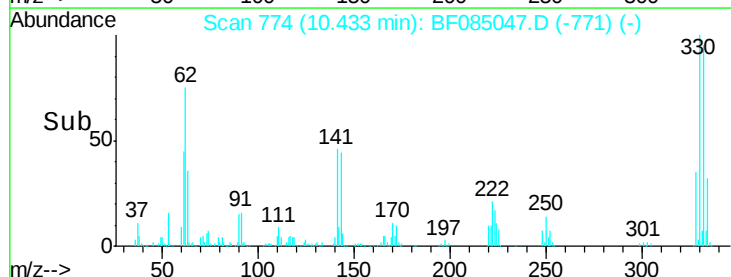
141 642.7 44.0 66.0#

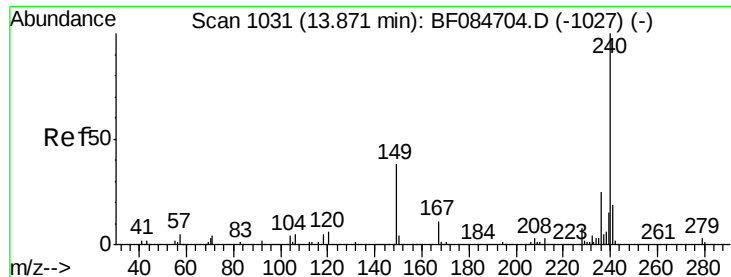


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.02 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

Instrument :

BNA_F

ClientSampleId :

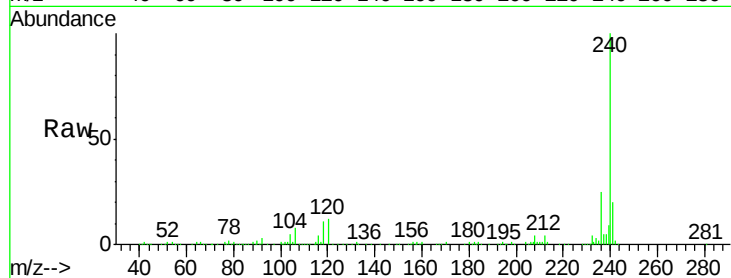
Tot Ion:240 Resp: 329208

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

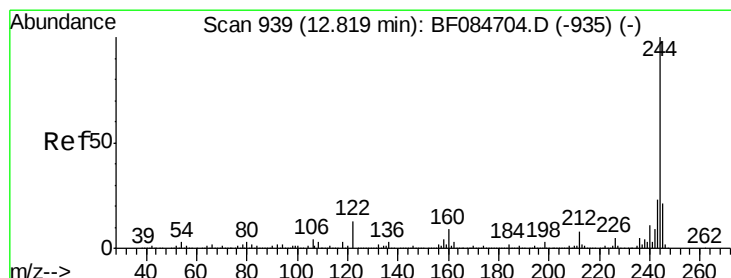
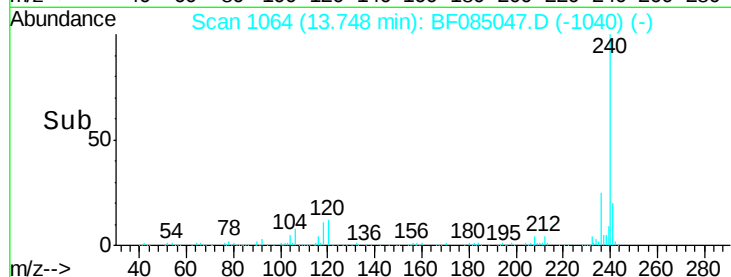
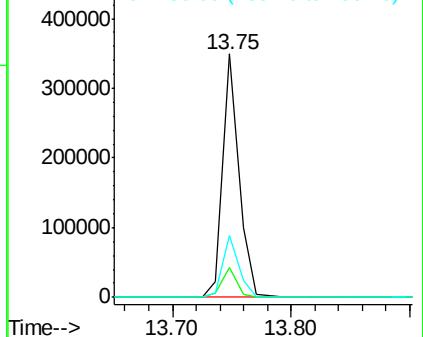
236 25.3 20.6 31.0



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



#78

Terphenyl-d14

Concen: 116.33 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF085047.D

Acq: 12 Feb 2016 7:53

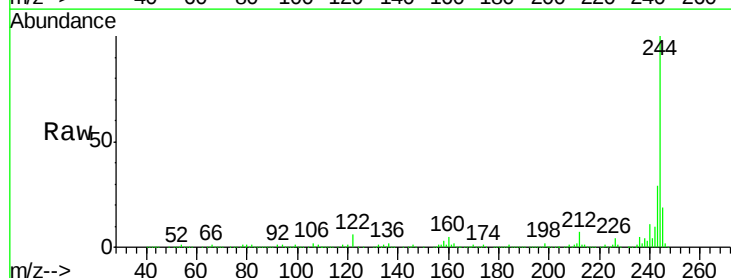
Tgt Ion:244 Resp: 1690068

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

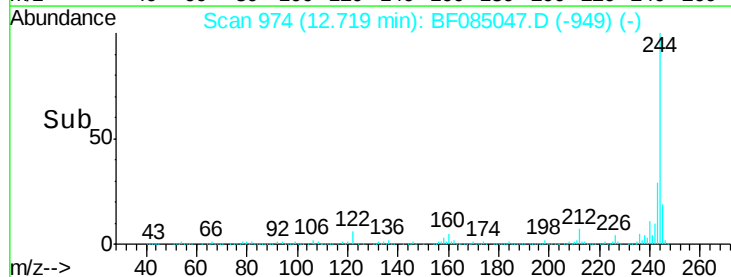
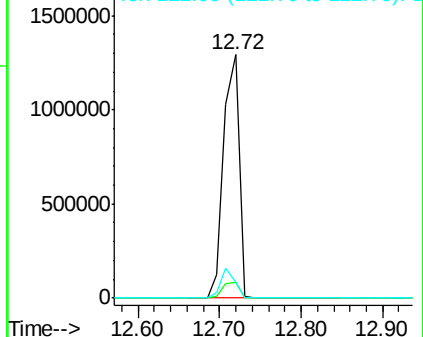
122 6.2 7.4 11.0#

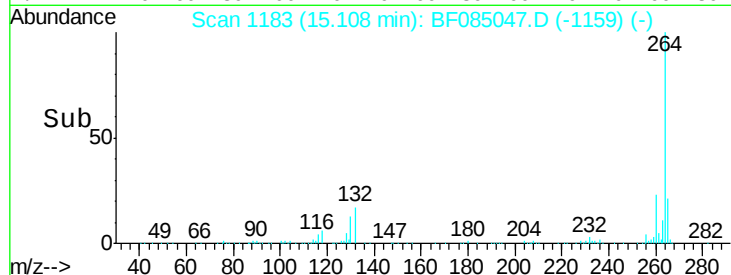
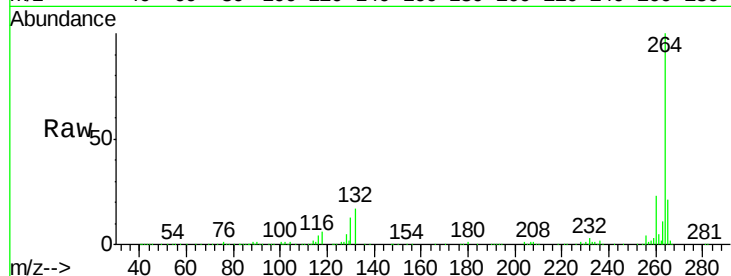
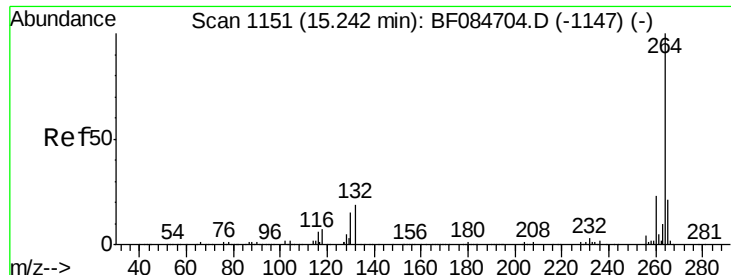


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF085047.D
Acq: 12 Feb 2016 7:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	298051
Ion Ratio	Lower	Upper	
264	100		
260	22.8	19.4	29.2
265	21.3	17.8	26.6

