

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032216\
 Data File : BF085696.D
 Acq On : 23 Mar 2016 9:55
 Operator : UM/SJ
 Sample : H1857-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 13:36:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

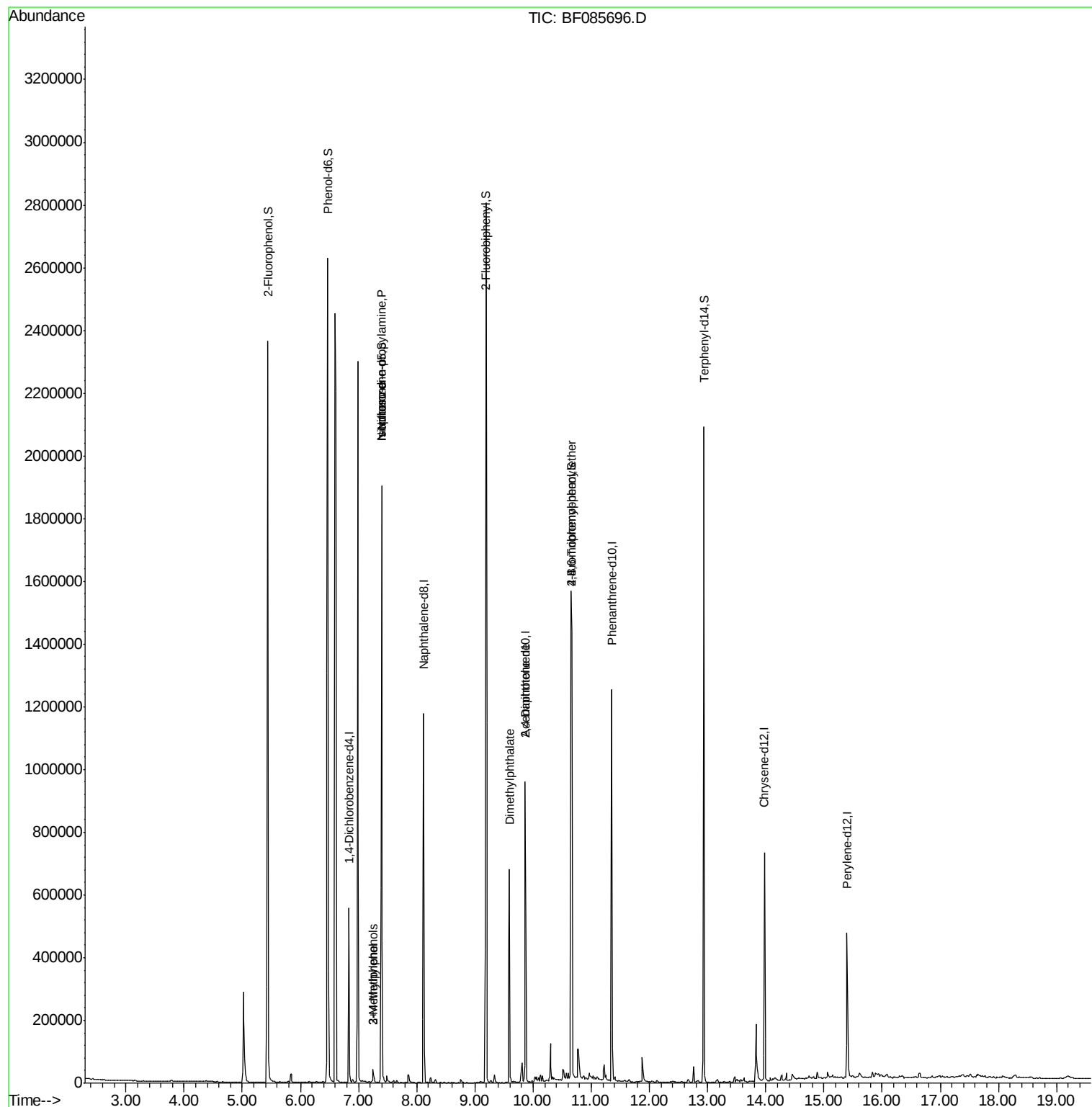
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	120354	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	513515	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	225928	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	412001	20.00	ng	-0.03
75) Chrysene-d12	13.98	240	233211	20.00	ng	-0.03
86) Perylene-d12	15.40	264	213906	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1059858	147.91	ng	-0.01
7) Phenol-d6	6.47	99	1150315	125.17	ng	-0.02
23) Nitrobenzene-d5	7.40	82	740918	83.75	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	317422	143.43	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	1045790	77.14	ng	-0.03
78) Terphenyl-d14	12.94	244	866300	89.39	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.39	77	1845	Below Cal		Qvalue 98
17) 2-Methylphenol	7.25	107	16045	2.34 ng	#	72
19) n-Nitroso-di-n-propylamine	7.40	70	96983	17.67 ng	#	78
20) 3+4-Methylphenols	7.25	107	16045	2.02 ng	#	56
25) Isophorone	7.40	82	581726	32.84 ng	#	68
49) Dimethylphthalate	9.59	163	292725	17.17 ng		99
56) 2,4-Dinitrotoluene	9.86	165	28680	6.09 ng	#	37
66) 4-Bromophenyl-phenylether	10.66	248	20030	4.87 ng	#	1

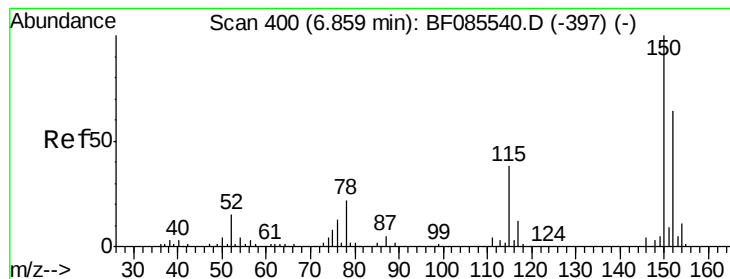
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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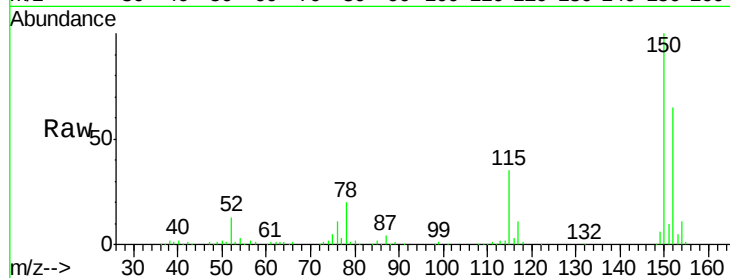


#1

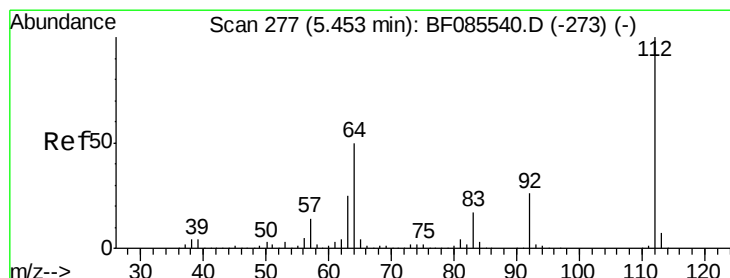
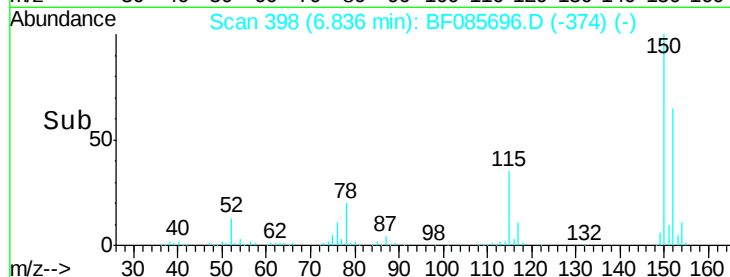
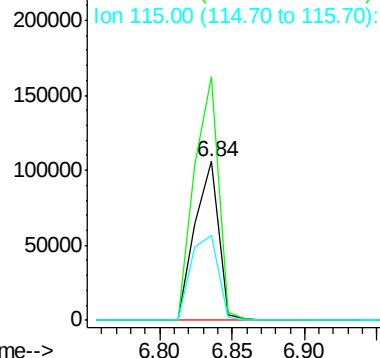
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 398
 Delta R.T. -0.02 min
 Lab File: BF085696.D
 Acq: 23 Mar 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.2	186.2
115	53.3	47.0	70.6



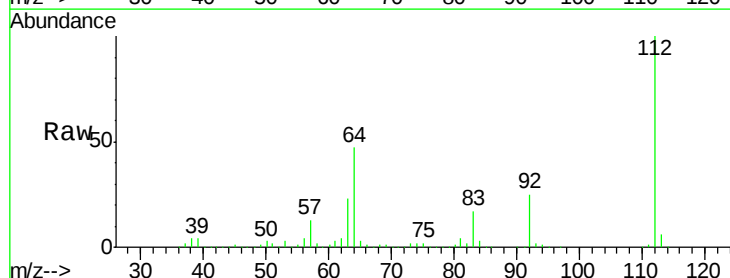
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



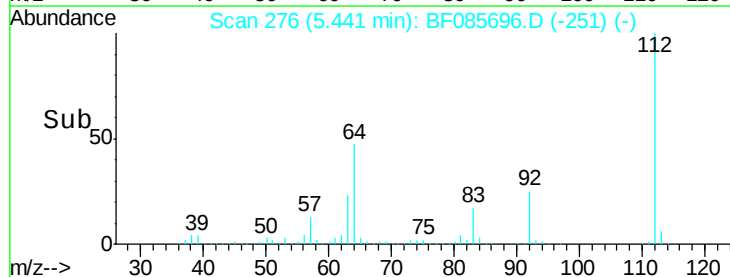
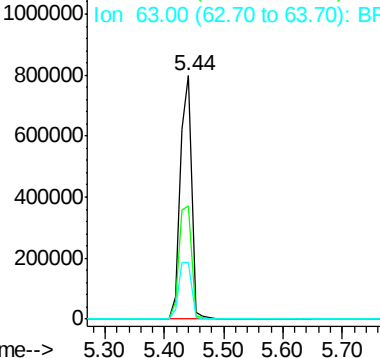
#5

2-Fluorophenol
 Concen: 147.91 ng
 RT: 5.44 min Scan# 276
 Delta R.T. -0.01 min
 Lab File: BF085696.D
 Acq: 23 Mar 2016 9:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.6	39.9	59.9
63	23.4	20.2	30.2



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: 125.17 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA_F

ClientSampled :

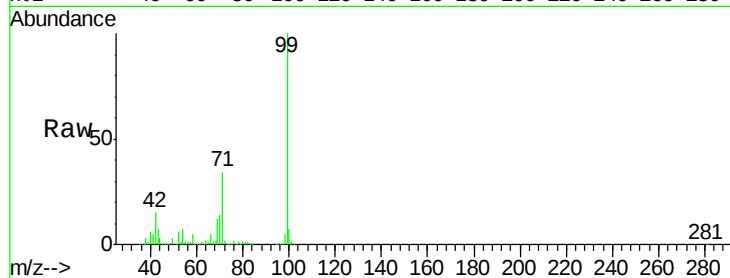
Tot Ion: 99 Resp: 1150315

Ion Ratio Lower Upper

99 100

42 15.4 11.1 16.7

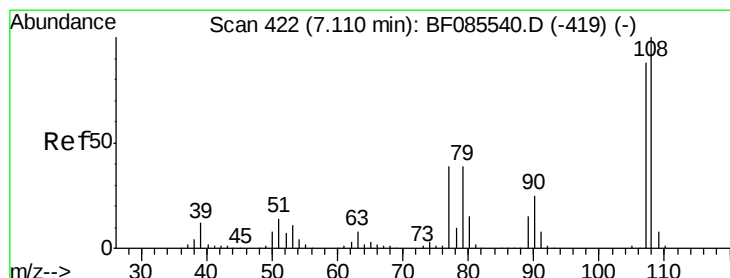
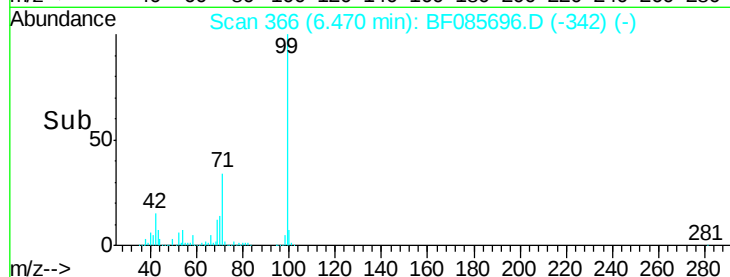
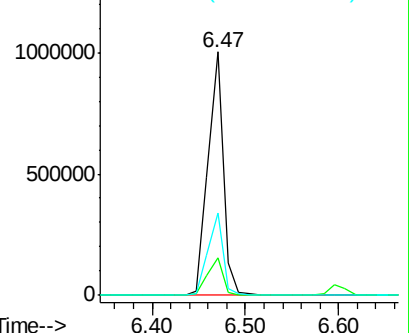
71 33.8 24.9 37.3



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



#17

2-Methylphenol

Concen: 2.34 ng

RT: 7.25 min Scan# 434

Delta R.T. 0.14 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Tgt Ion: 107 Resp: 16045

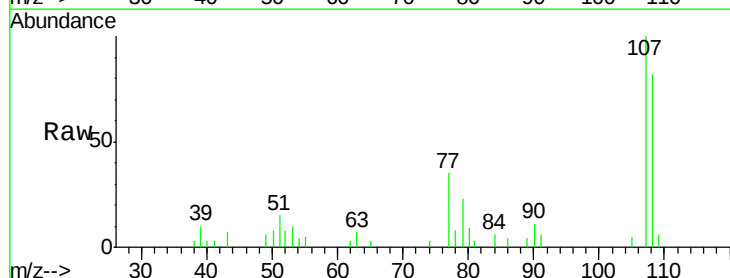
Ion Ratio Lower Upper

107 100

108 81.6 91.4 137.0#

77 34.6 36.2 54.2#

79 23.1 35.8 53.8#

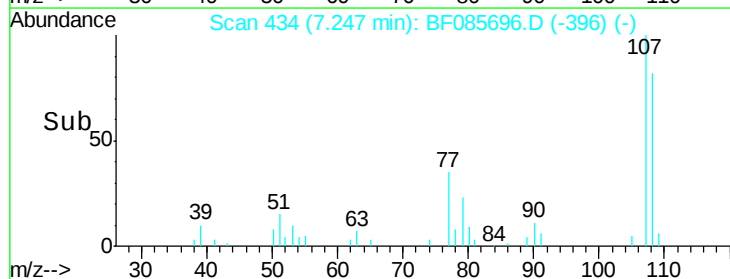
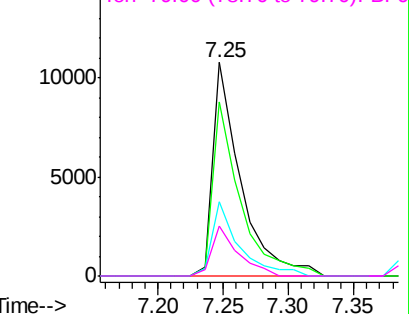


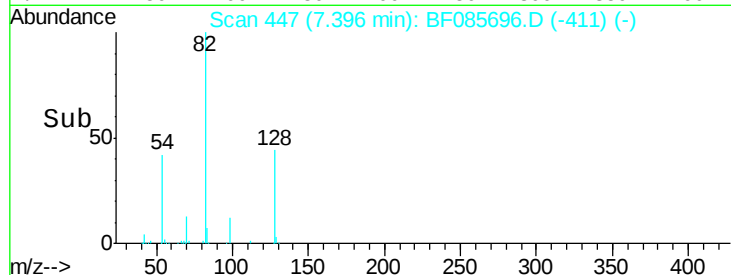
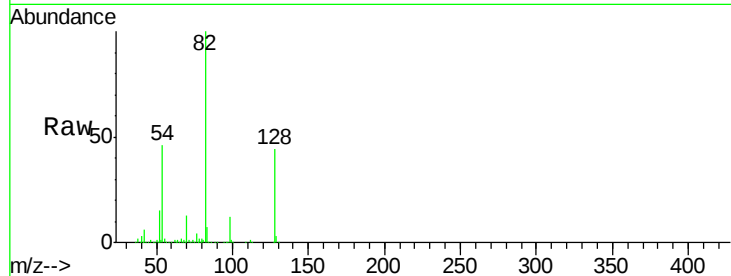
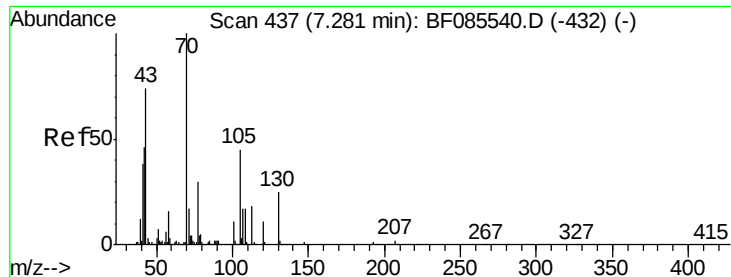
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

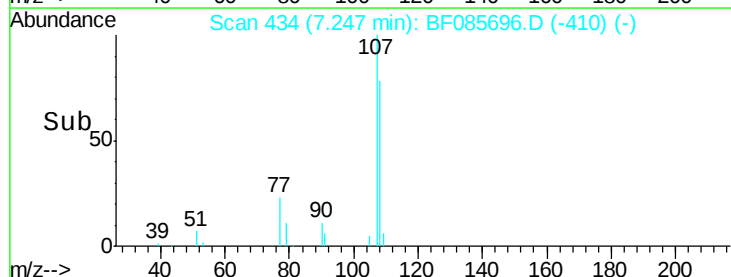
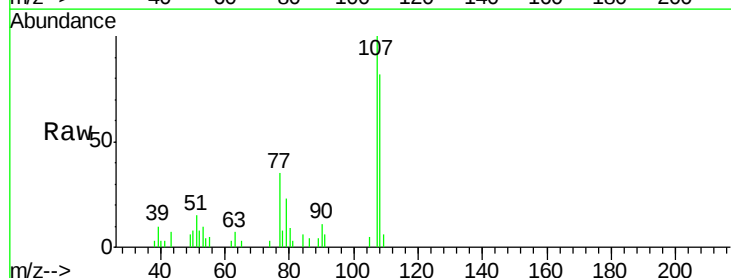
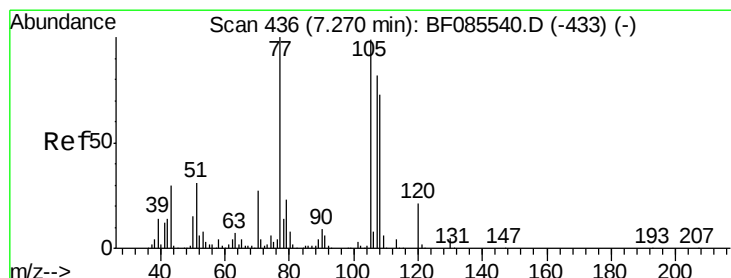
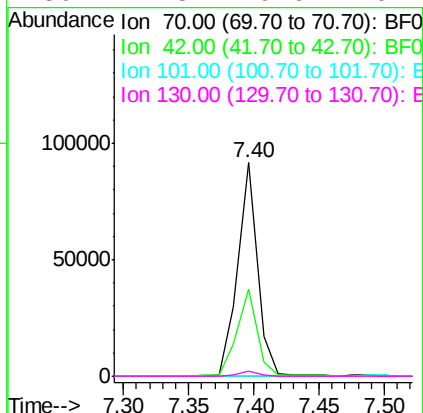




#19
n-Nitroso-di-n-propylamine
Concen: 17.67 ng
RT: 7.40 min Scan# 447
Delta R.T. 0.11 min
Lab File: BF085696.D
Acq: 23 Mar 2016 9:55

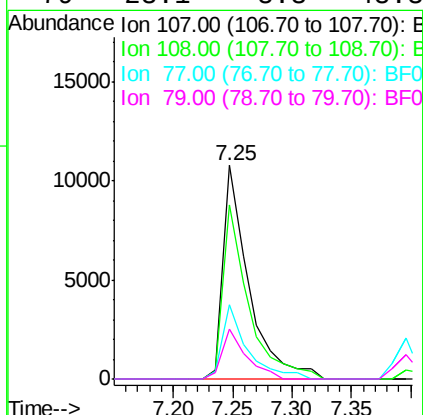
Instrument :
BNA_F
ClientSampleId :

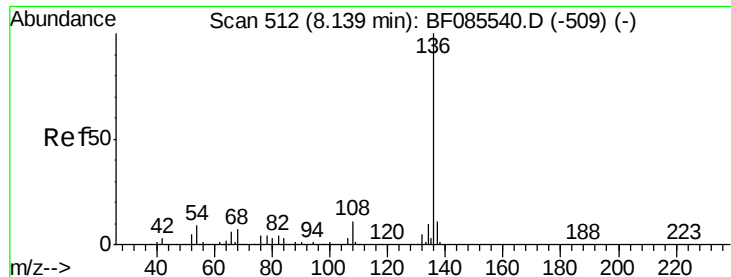
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.9	37.1	55.7
101	0.0	8.6	12.8#
130	2.3	19.6	29.4#



#20
3+4-Methylphenols
Concen: 2.02 ng
RT: 7.25 min Scan# 434
Delta R.T. -0.02 min
Lab File: BF085696.D
Acq: 23 Mar 2016 9:55

Tgt Ion	Ratio	Lower	Upper
107	100		
108	81.6	69.3	109.3
77	34.6	101.7	141.7#
79	23.1	8.3	48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085696.D

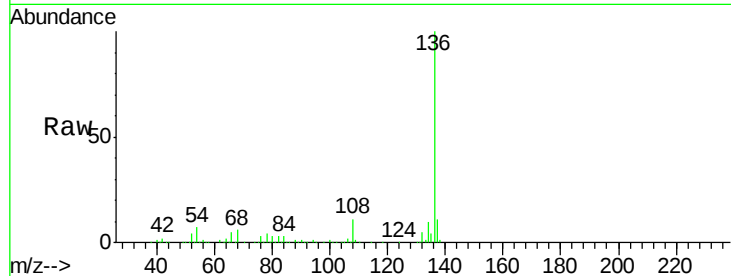
Acq: 23 Mar 2016 9:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	513515
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.1 13.7
54	6.8	7.4 11.0#
68	5.9	5.8 8.8

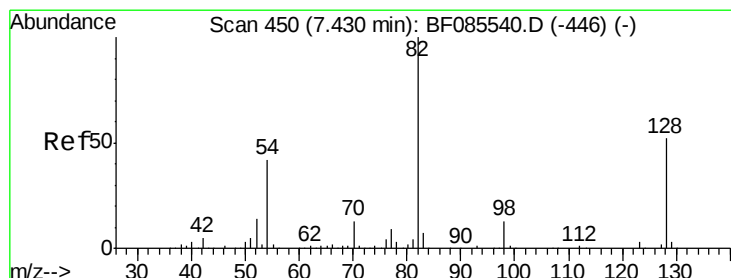
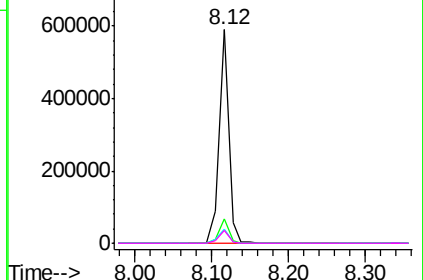
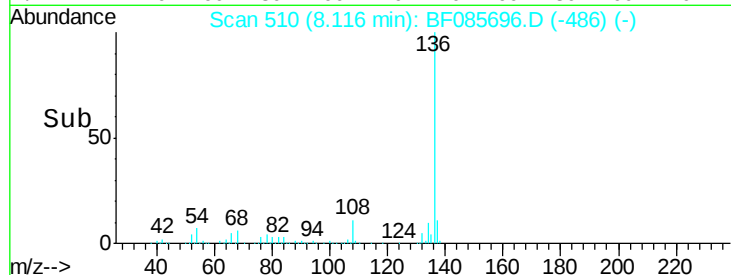


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.75 ng

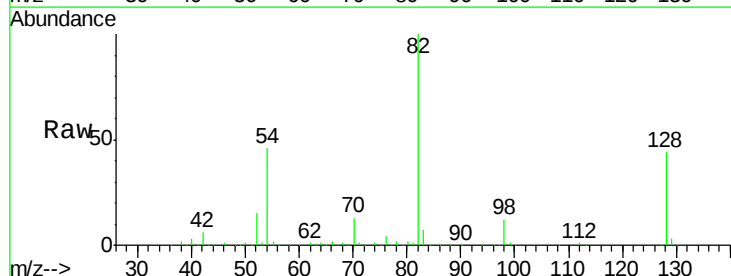
RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

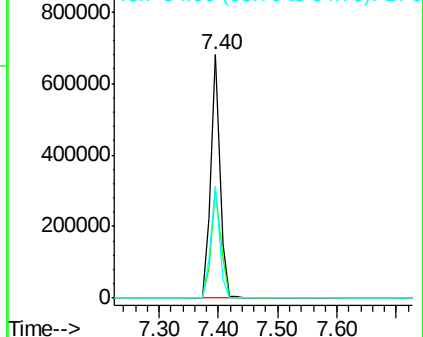
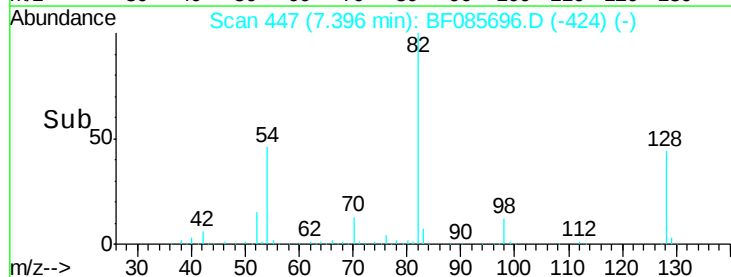
Tgt Ion: 82	Resp:	740918
Ion Ratio	Lower	Upper
82	100	
128	44.2	41.8 62.8
54	46.1	33.4 50.0

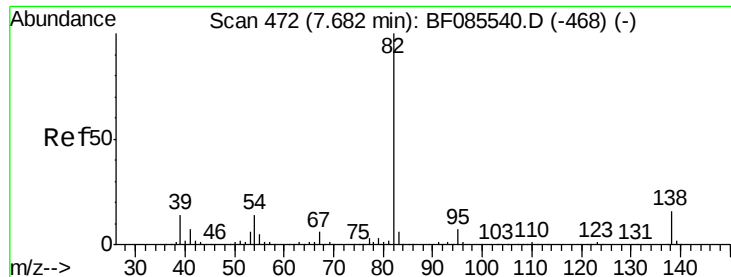


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.84 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.29 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA_F

ClientSampled :

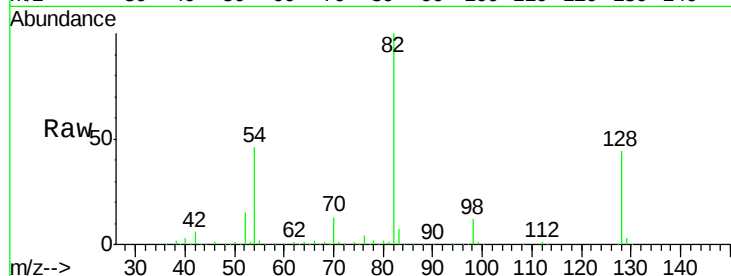
Tot Ion: 82 Resp: 581726

Ion Ratio Lower Upper

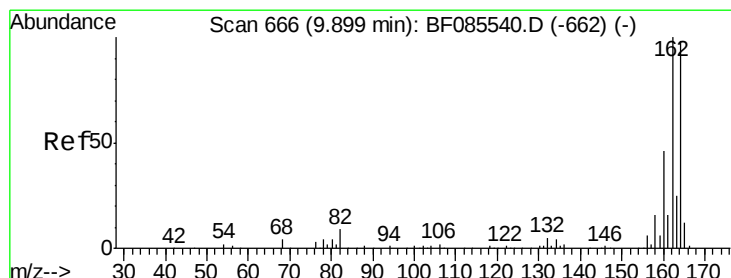
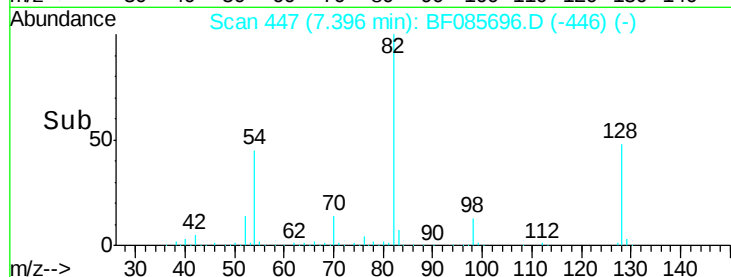
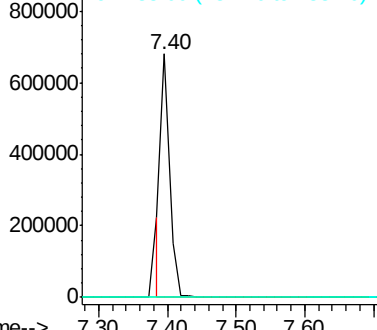
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

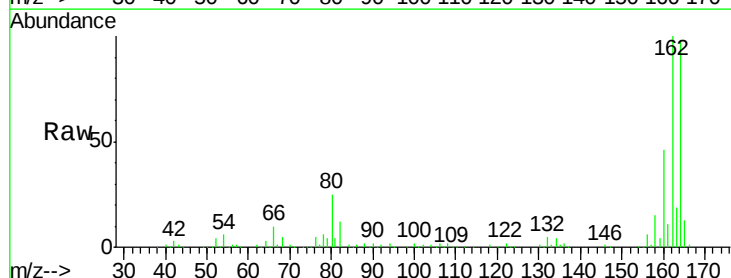
Tgt Ion: 164 Resp: 225928

Ion Ratio Lower Upper

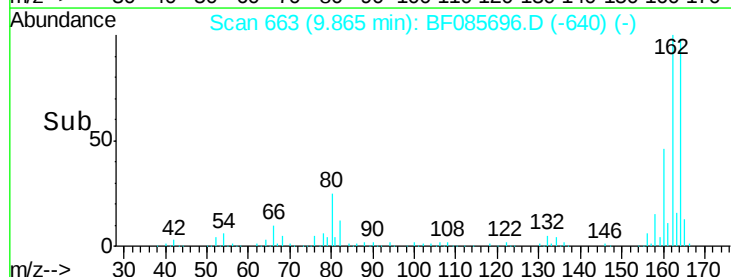
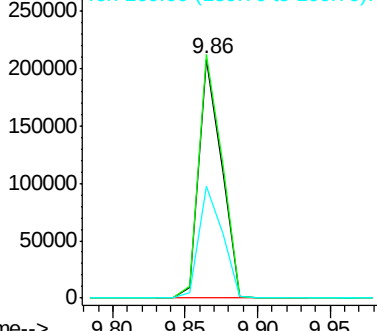
164 100

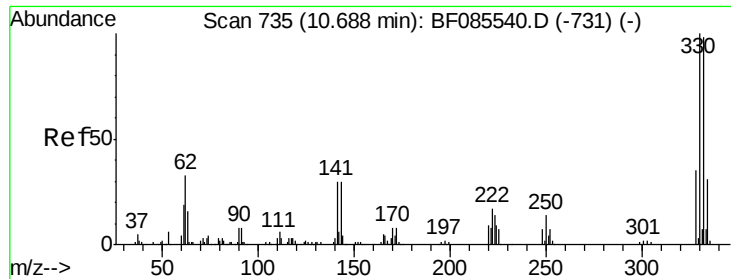
162 101.8 82.1 123.1

160 47.0 37.4 56.2



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

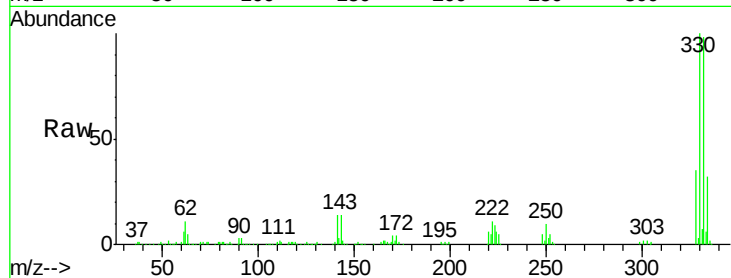




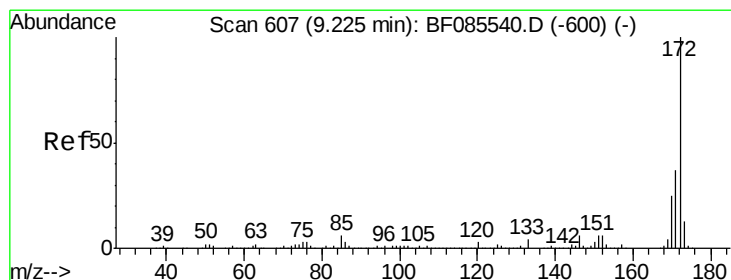
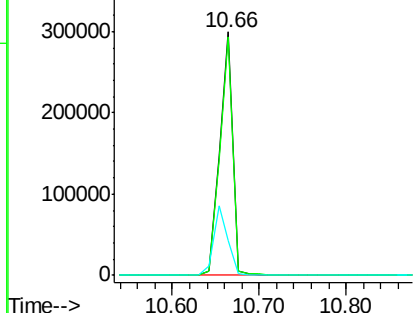
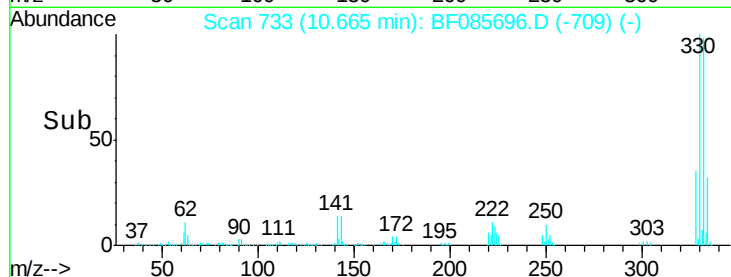
#41
 2,4,6-Tribromophenol
 Concen: 143.43 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085696.D
 Acq: 23 Mar 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.2	117.2
141	31.0	31.5	47.3#

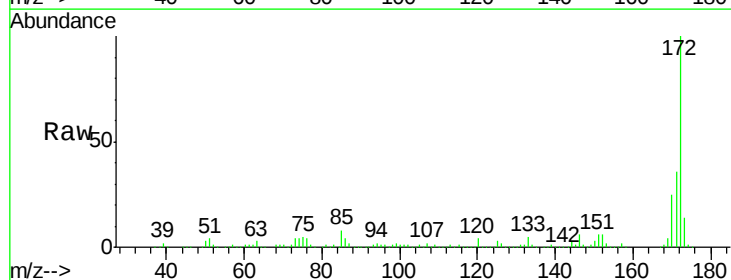


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

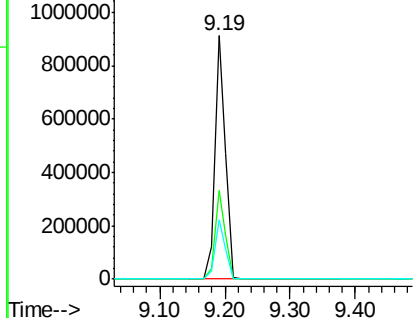
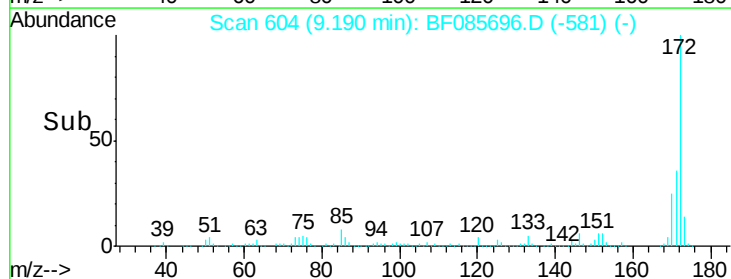


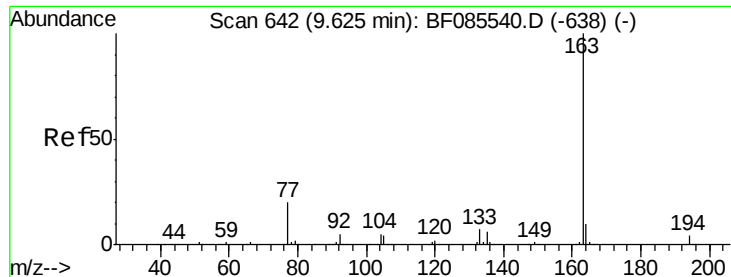
#44
 2-Fluorobiphenyl
 Concen: 77.14 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: BF085696.D
 Acq: 23 Mar 2016 9:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.2
170	24.5	19.8	29.6



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

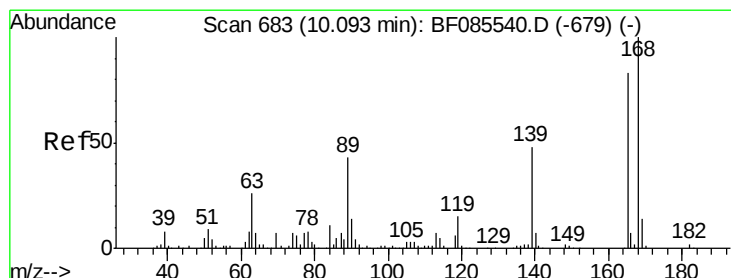
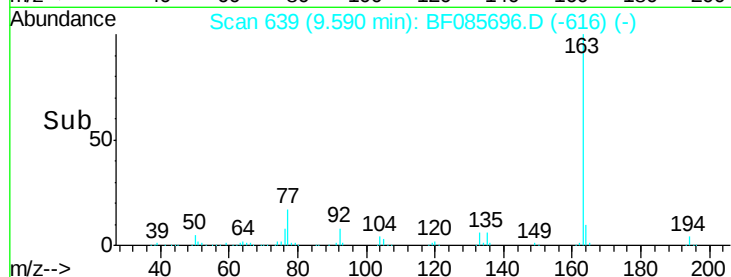
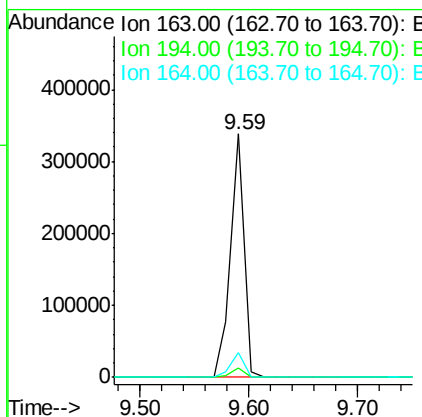
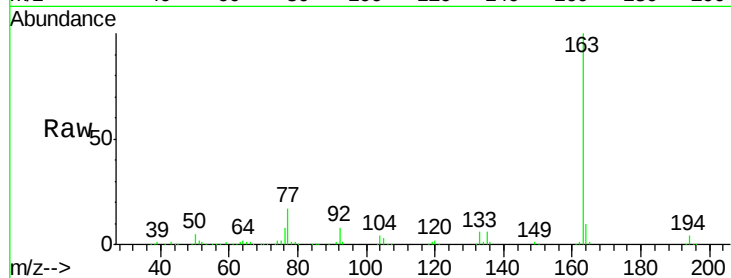




#49
Dimethylphthalate
Concen: 17.17 ng
RT: 9.59 min Scan# 639
Delta R.T. -0.03 min
Lab File: BF085696.D
Acq: 23 Mar 2016 9:55

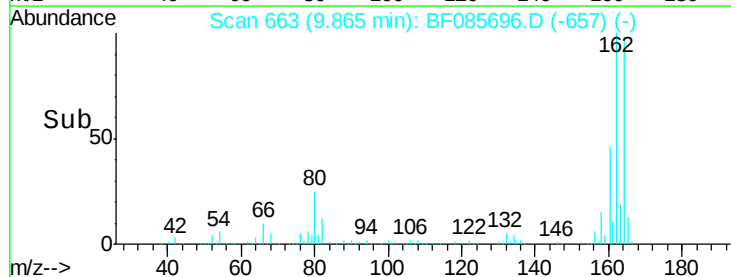
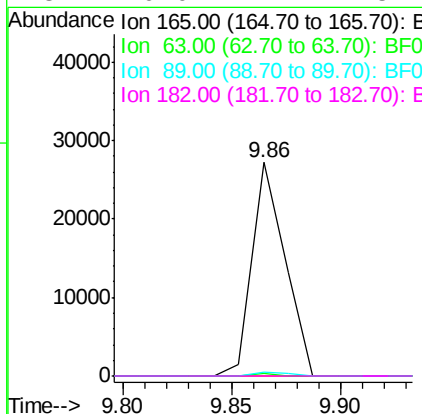
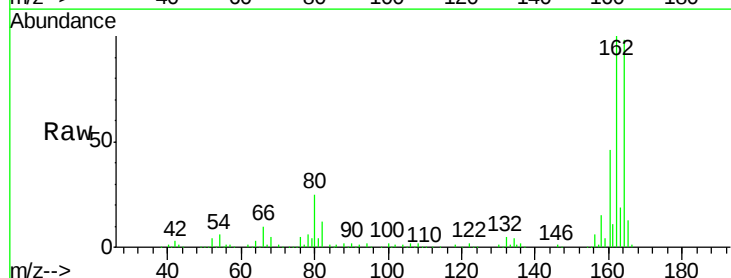
Instrument :
BNA_F
ClientSampleId :

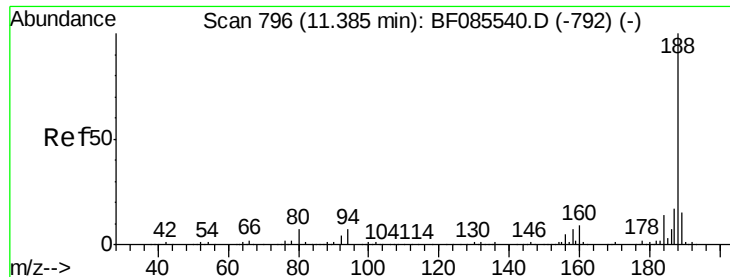
Tot Ion:163 Resp: 292725
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.9 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.09 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.23 min
Lab File: BF085696.D
Acq: 23 Mar 2016 9:55

Tgt Ion:165 Resp: 28680
Ion Ratio Lower Upper
165 100
63 1.4 24.9 37.3#
89 1.8 41.0 61.6#
182 0.0 2.1 3.1#

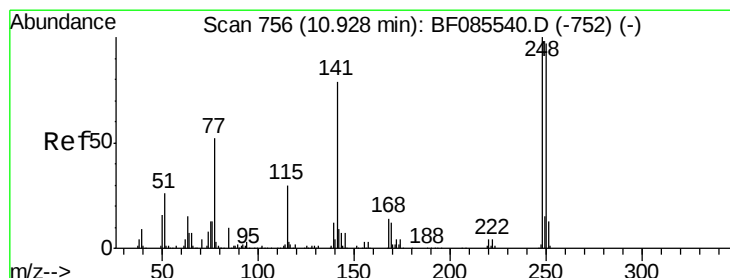
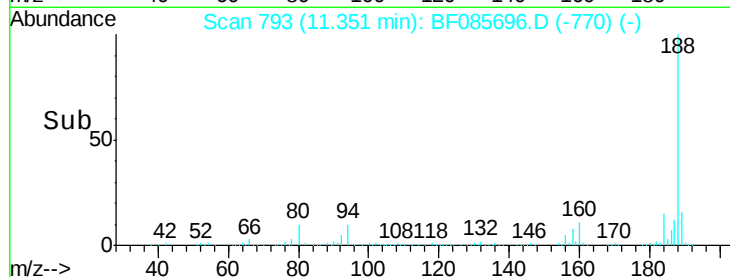
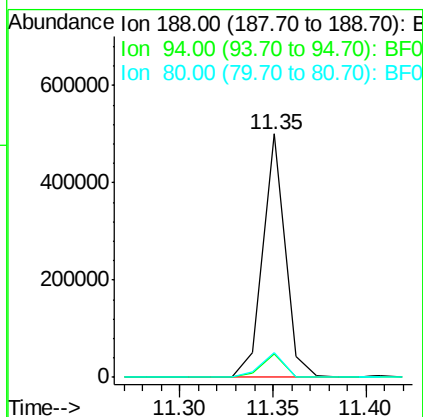
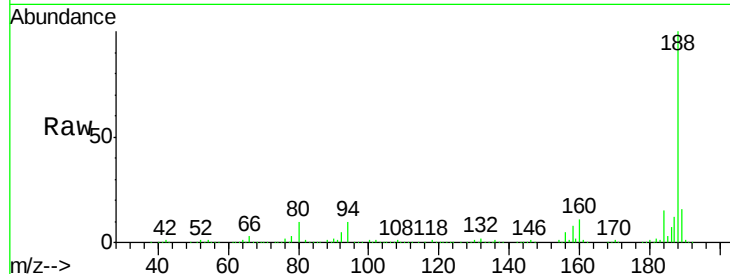




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.03 min
Lab File: BF085696.D
Acq: 23 Mar 2016 9:55

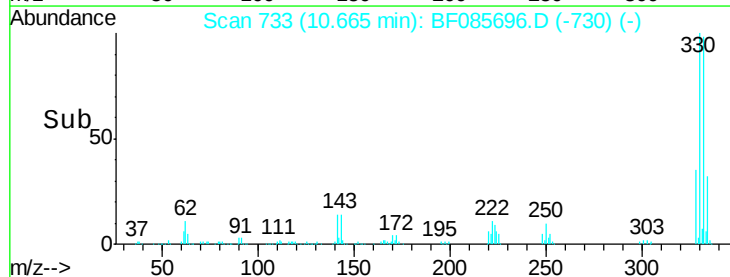
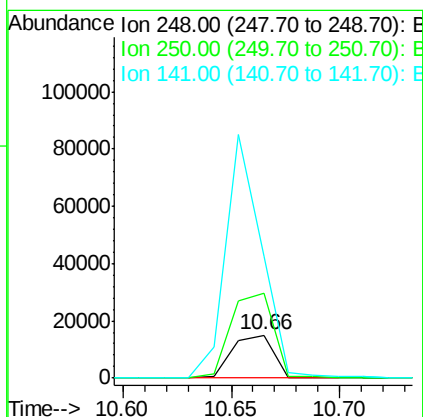
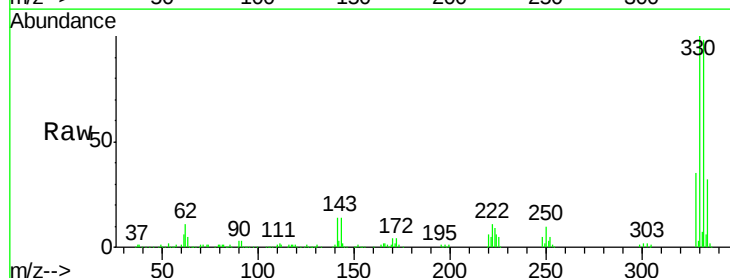
Instrument :
BNA_F
ClientSampleId :

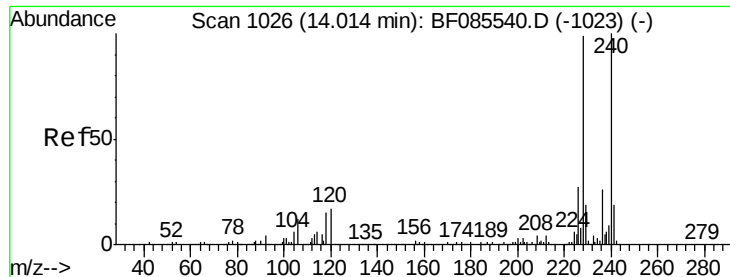
Tot Ion:188 Resp: 412001
Ion Ratio Lower Upper
188 100
94 9.8 5.4 8.0#
80 10.4 5.5 8.3#



#66
4-Bromophenyl-phenylether
Concen: 4.87 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.26 min
Lab File: BF085696.D
Acq: 23 Mar 2016 9:55

Tgt Ion:248 Resp: 20030
Ion Ratio Lower Upper
248 100
250 197.3 77.4 116.0#
141 283.5 63.6 95.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

Instrument :

BNA_F

ClientSampleId :

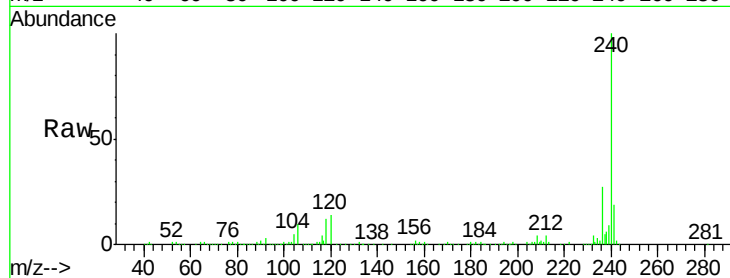
Tot Ion:240 Resp: 233211

Ion Ratio Lower Upper

240 100

120 14.0 13.8 20.8

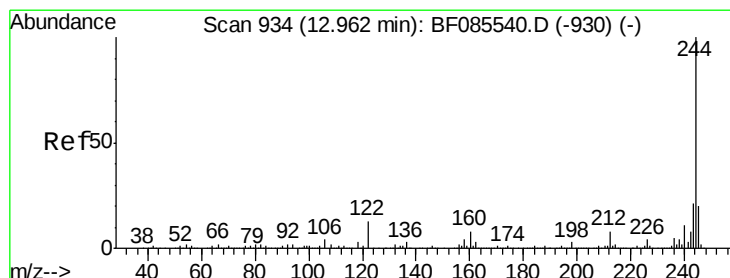
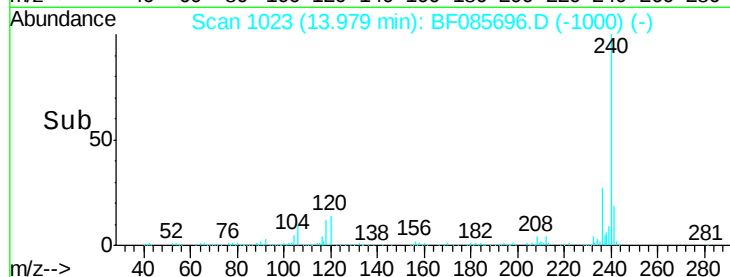
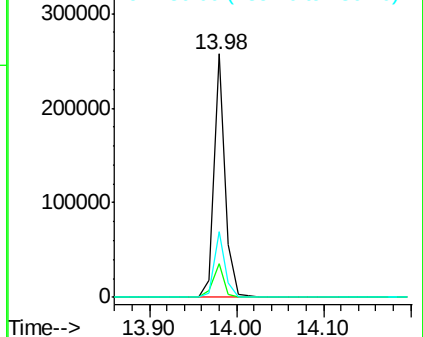
236 26.8 20.6 30.8



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: 89.39 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085696.D

Acq: 23 Mar 2016 9:55

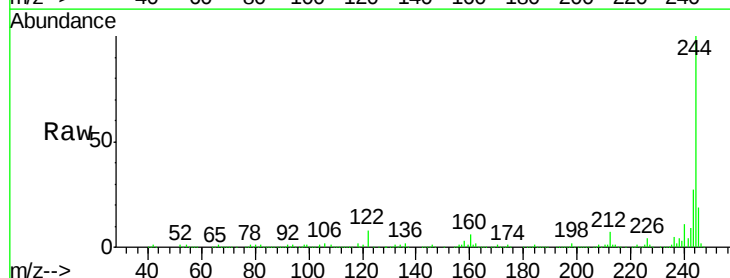
Tgt Ion:244 Resp: 866300

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

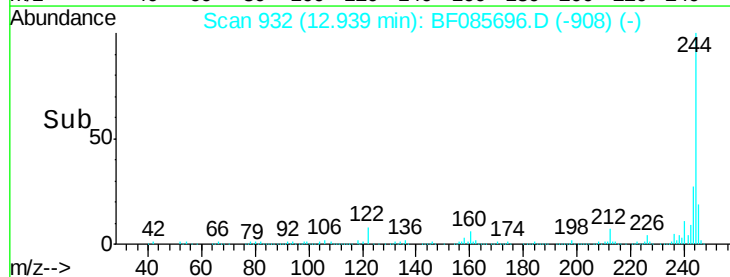
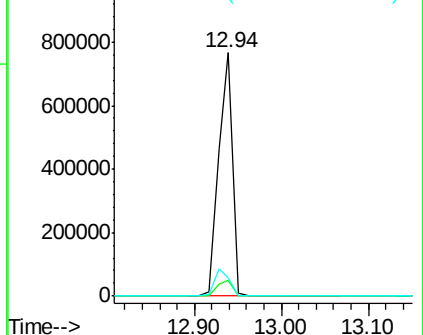
122 7.8 10.2 15.4#

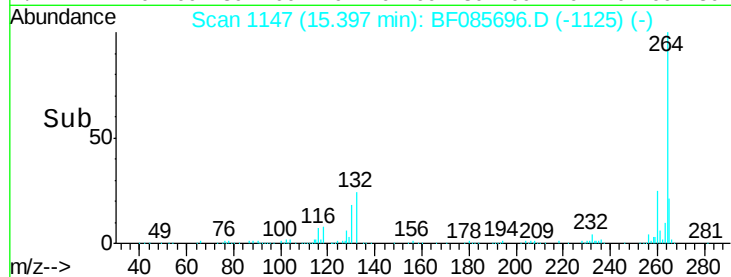
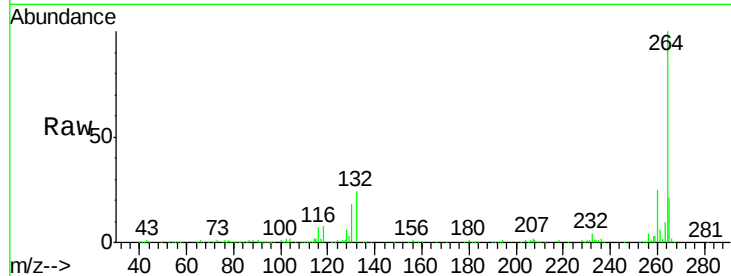
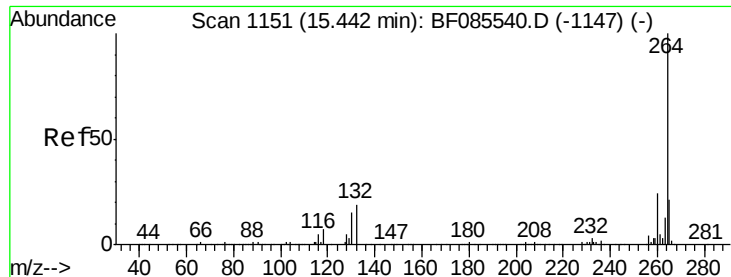


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.40 min Scan# 1147
 Delta R.T. -0.05 min
 Lab File: BF085696.D
 Acq: 23 Mar 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	213906
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.5	17.2	25.8

