

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088260.D
 Acq On : 22 Jun 2016 20:18
 Operator : UM/SJ
 Sample : H3578-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 02:27:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	72969	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	329523	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	155911	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	277750	20.00	ng	0.00
75) Chrysene-d12	13.74	240	230940	20.00	ng	-0.01
86) Perylene-d12	15.11	264	160960	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	446810	104.68	ng	0.01
7) Phenol-d6	6.26	99	629608	121.71	ng	0.00
23) Nitrobenzene-d5	7.18	82	386591	68.51	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	122576	74.46	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	731565	72.92	ng	0.00
78) Terphenyl-d14	12.70	244	606316	59.74	ng	0.00

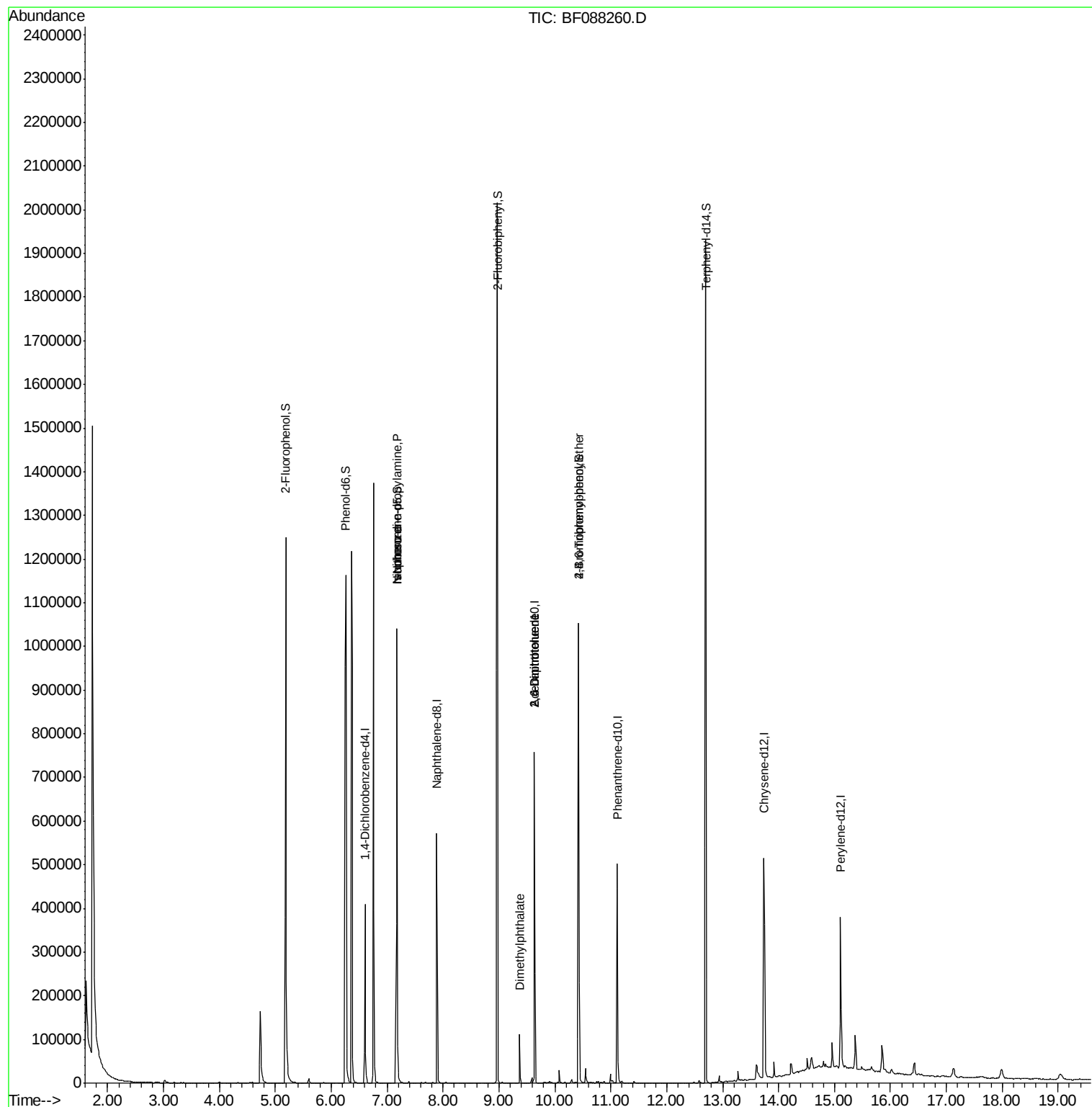
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.27	94	1011	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.18	70	48794	14.74	ng	68
25) Isophorone	7.18	82	386585	36.98	ng	65
45) 1,1'-Biphenyl	8.97	154	1457	Below Cal	#	1
49) Dimethylphthalate	9.37	163	46624	4.13	ng	100
50) 2,6-Dinitrotoluene	9.63	165	19655	7.60	ng	39
56) 2,4-Dinitrotoluene	9.63	165	19655	5.91	ng	37
57) Fluorene	10.42	166	5941	Below Cal	#	86
66) 4-Bromophenyl-phenylether	10.42	248	7731	2.59	ng	1

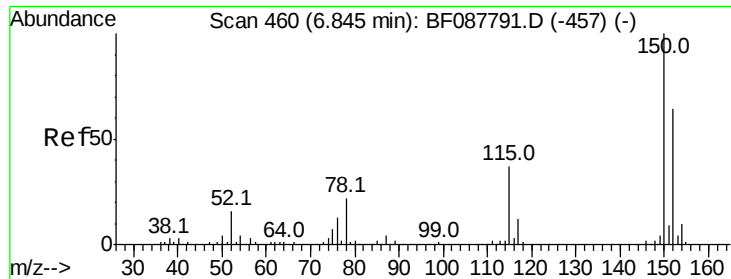
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF088260.D

Acq: 22 Jun 2016 20:18

Instrument :

BNA_F

ClientSampleId :

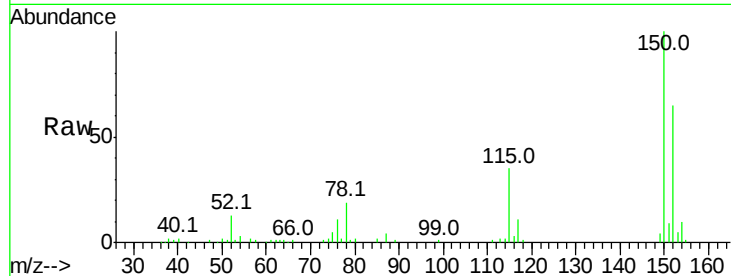
Tot Ion:152 Resp: 72969

Ion Ratio Lower Upper

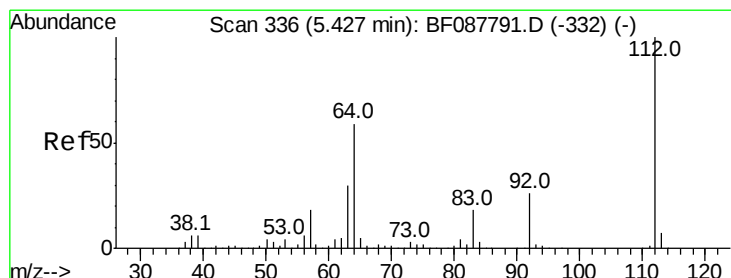
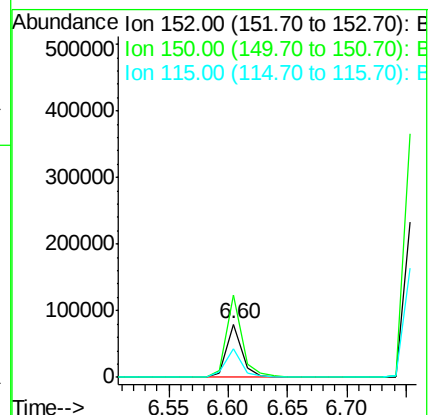
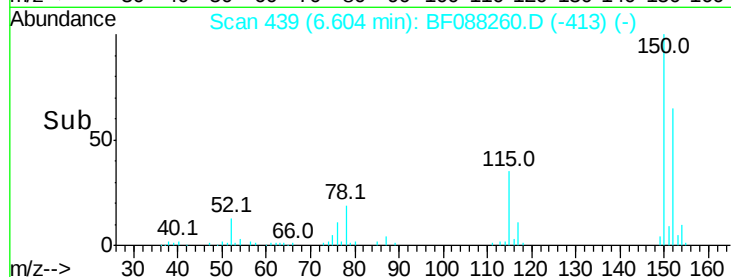
152 100

150 154.6 123.8 185.6

115 53.5 39.6 59.4



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: 104.68 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088260.D

Acq: 22 Jun 2016 20:18

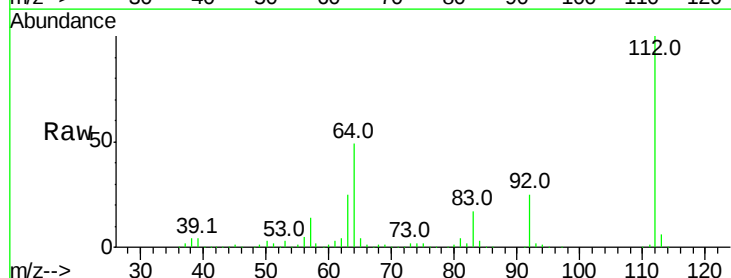
Tgt Ion:112 Resp: 446810

Ion Ratio Lower Upper

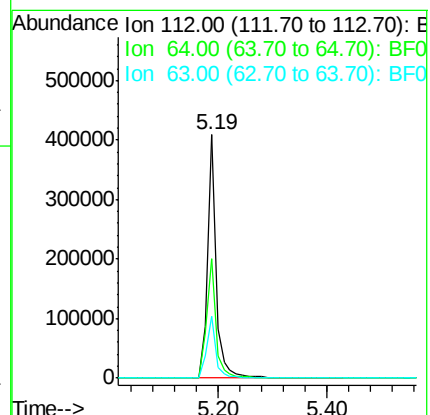
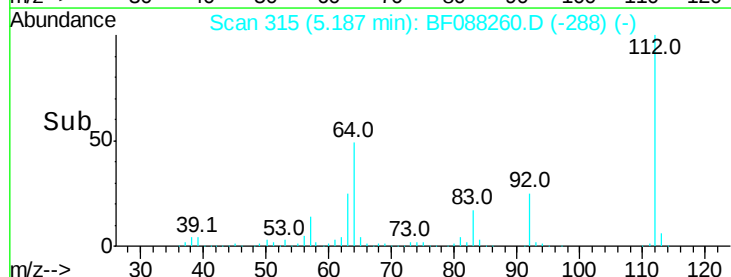
112 100

64 49.2 42.2 63.2

63 25.2 21.8 32.8



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: 121.71 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088260.D

Acq: 22 Jun 2016 20:18

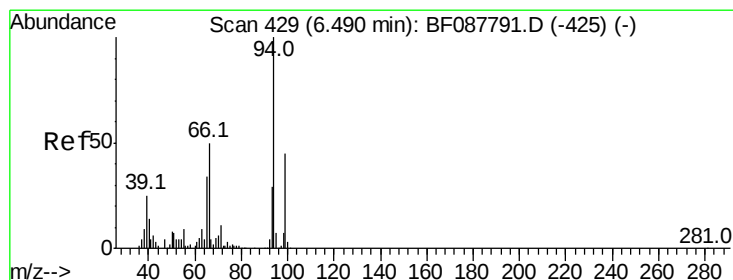
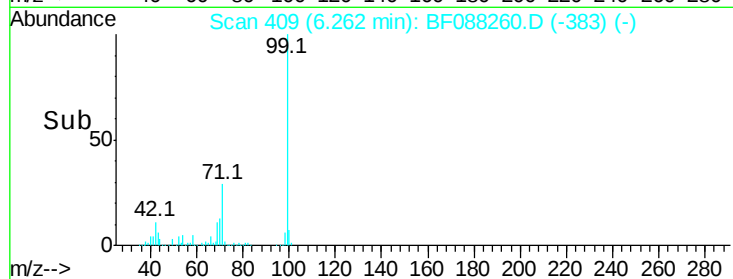
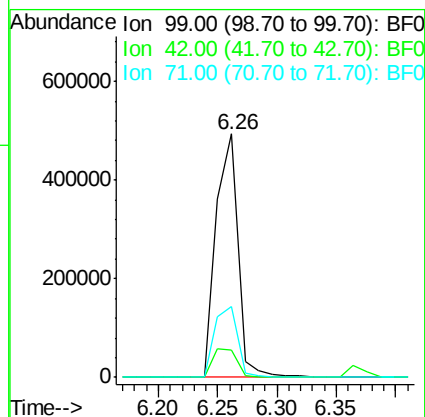
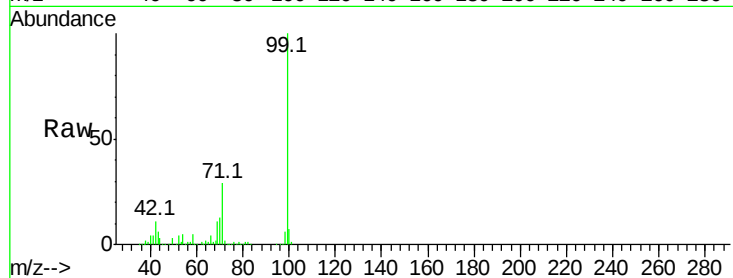
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 629608

Ion	Ratio	Lower	Upper
99	100		
42	11.5	12.2	18.2#
71	29.0	23.4	35.0



#10

Phenol

Concen: Below Cal

RT: 6.27 min Scan# 410

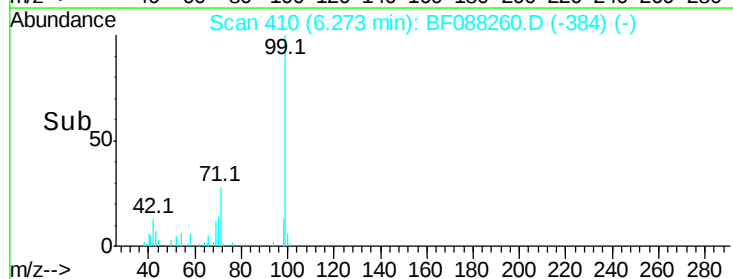
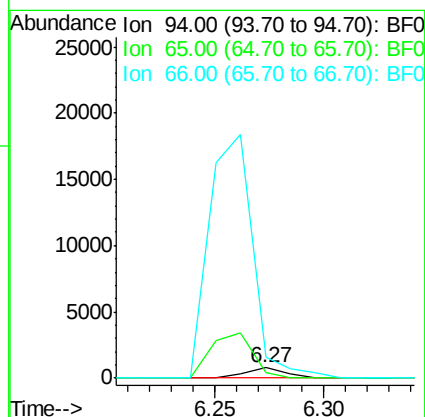
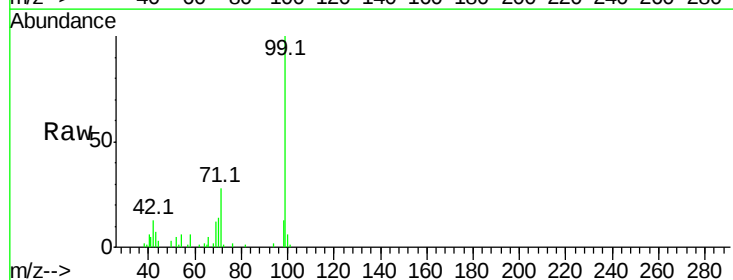
Delta R.T. 0.00 min

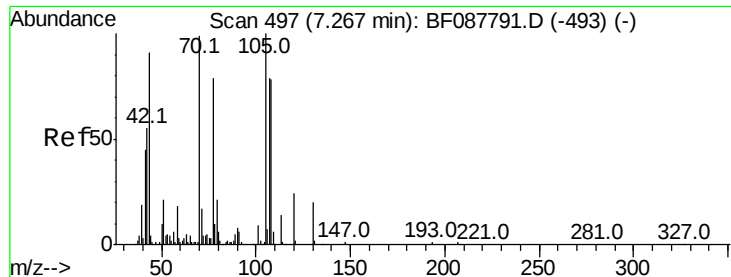
Lab File: BF088260.D

Acq: 22 Jun 2016 20:18

Tgt Ion: 94 Resp: 1011

Ion	Ratio	Lower	Upper
94	100		
65	57.5	5.9	45.9#
66	204.2	14.0	54.0#

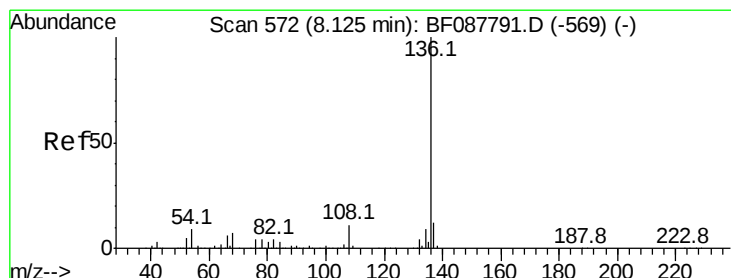
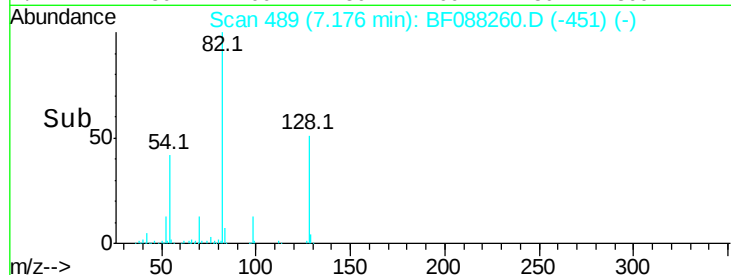
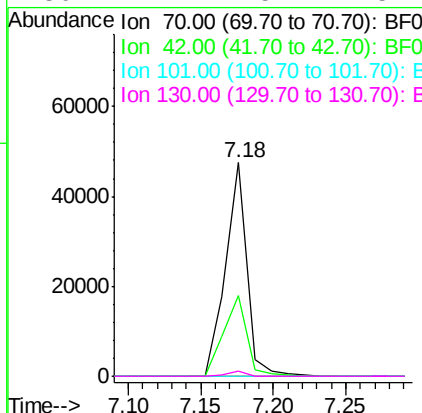
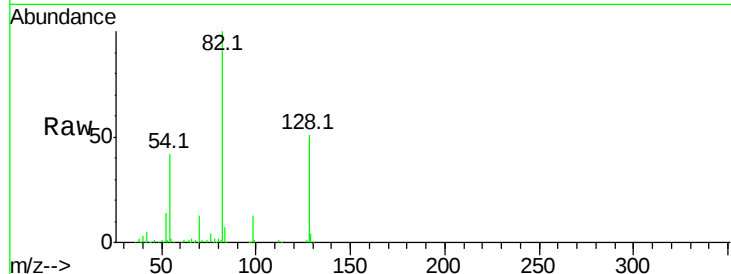




#19
n-Nitroso-di-n-propylamine
Concen: 14.74 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.14 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

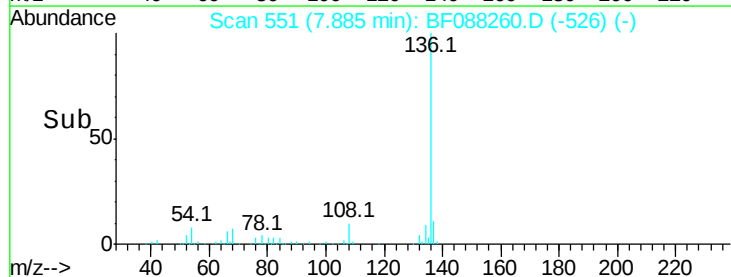
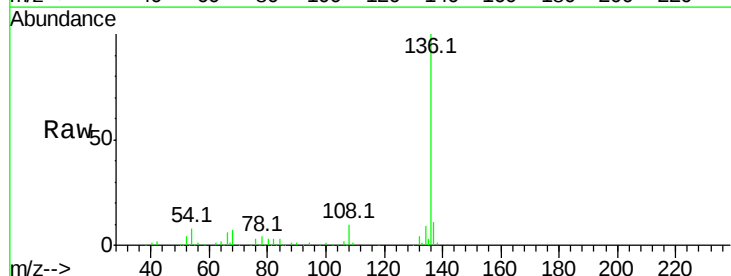
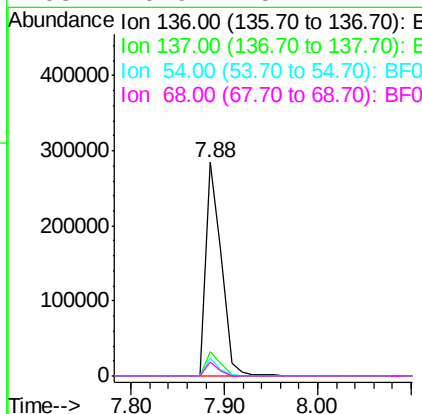
Instrument :
BNA_F
ClientSampled :

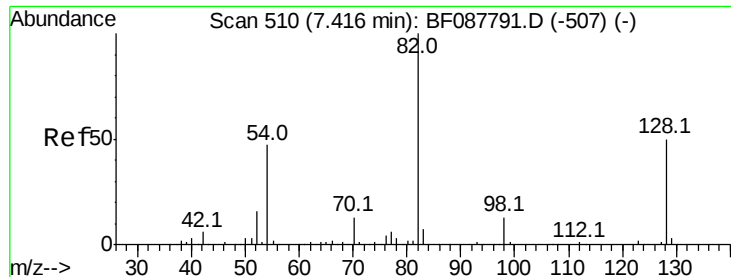
Tot Ion: 70 Resp: 48794
Ion Ratio Lower Upper
70 100
42 37.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.7 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Tgt Ion: 136 Resp: 329523
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.3 6.6 10.0
68 6.9 5.1 7.7

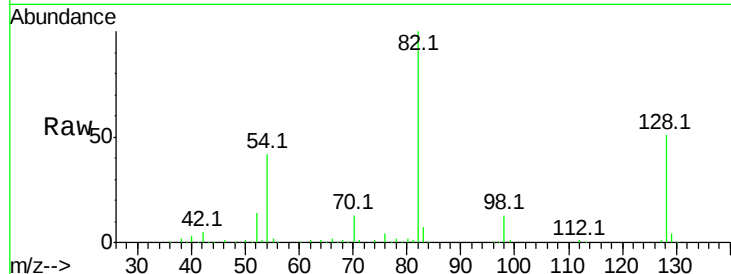




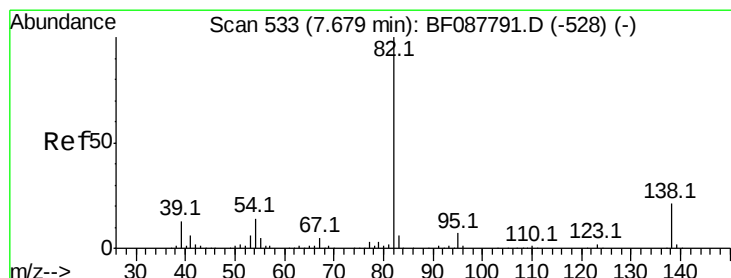
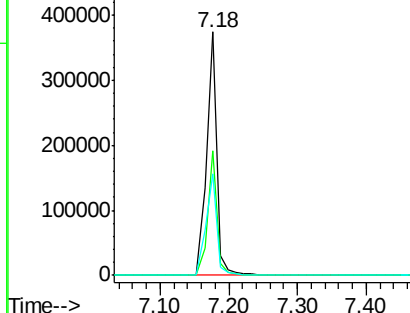
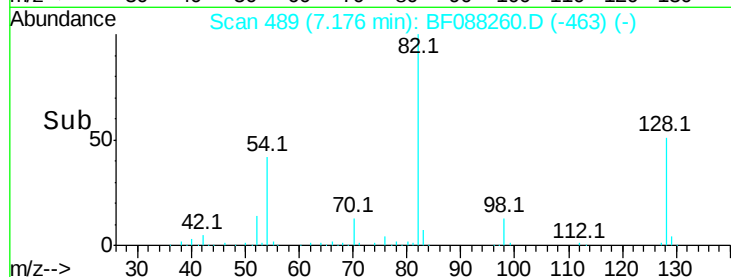
#23
Nitrobenzene-d5
Concen: 68.51 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 386591
Ion Ratio Lower Upper
82 100
128 51.4 35.9 53.9
54 41.9 40.9 61.3

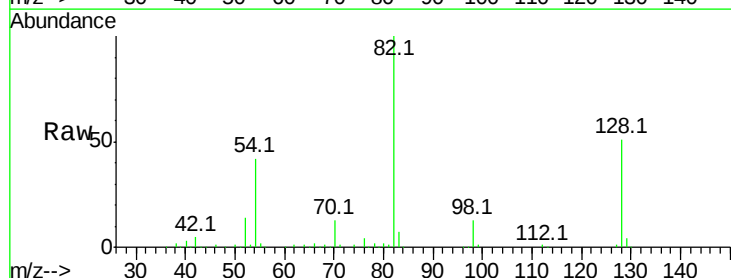


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

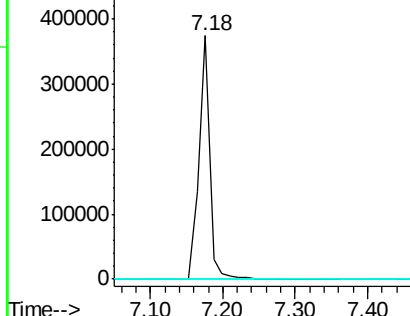
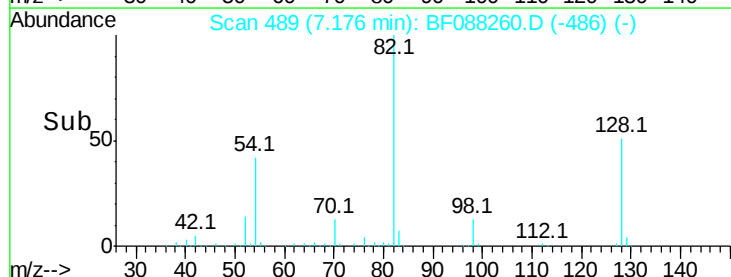


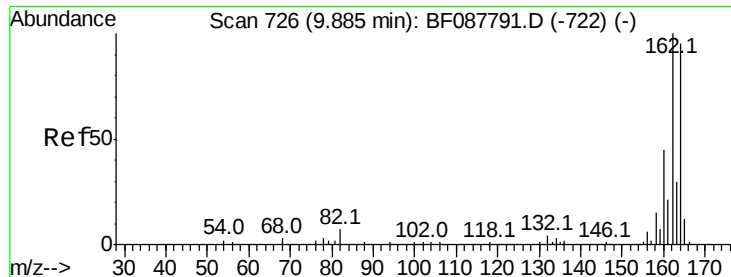
#25
Isophorone
Concen: 36.98 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.26 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Tgt Ion: 82 Resp: 386585
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

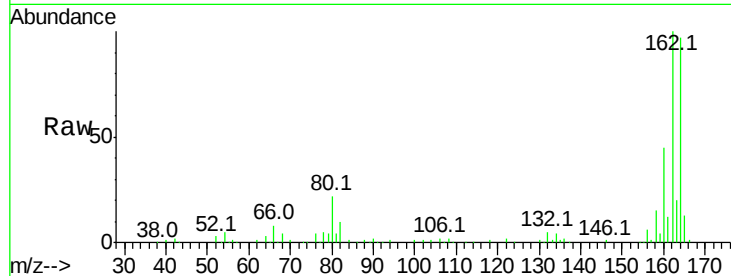




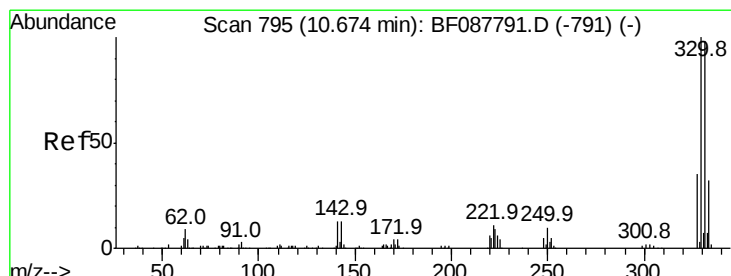
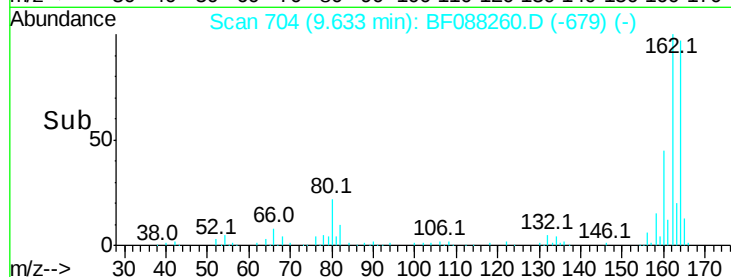
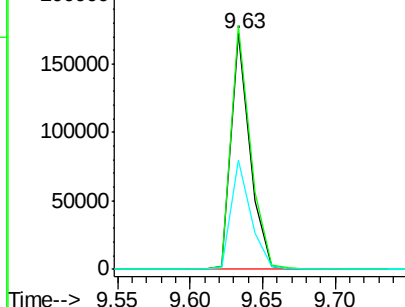
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 155911
Ion Ratio Lower Upper
164 100
162 103.2 85.4 128.2
160 46.5 39.5 59.3

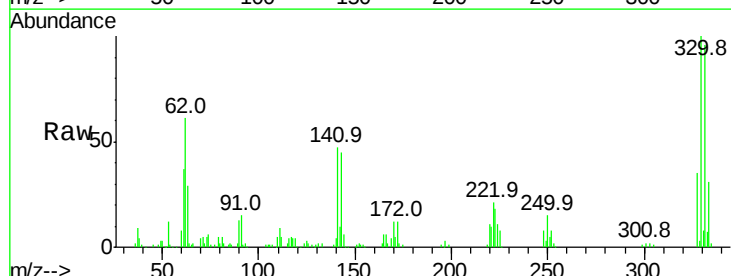


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

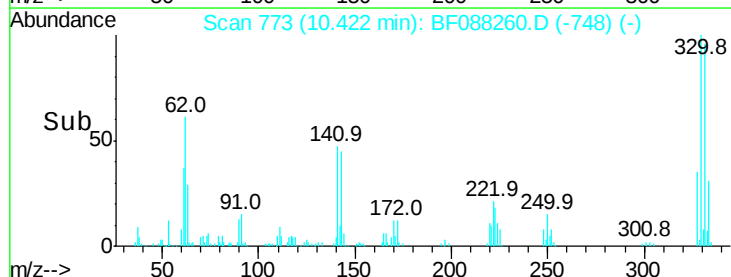
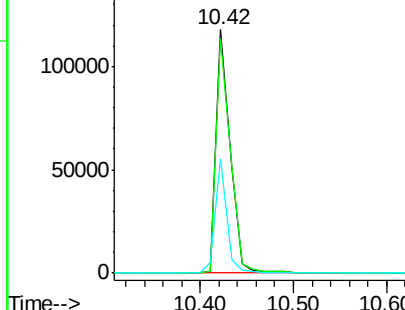


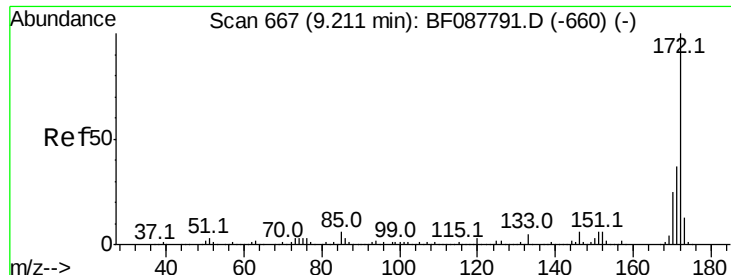
#41
2,4,6-Tribromophenol
Concen: 74.46 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Tgt Ion:330 Resp: 122576
Ion Ratio Lower Upper
330 100
332 97.3 0.0 0.0#
141 38.8 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

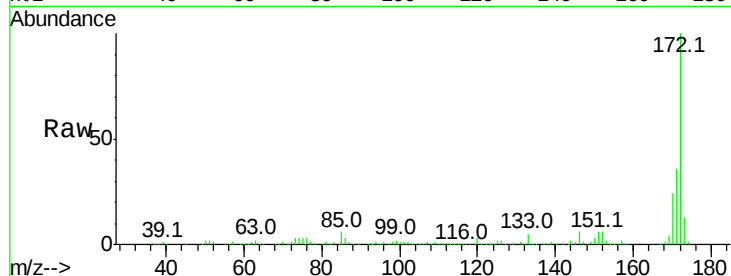




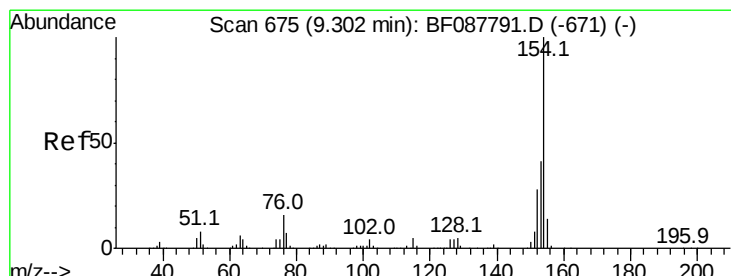
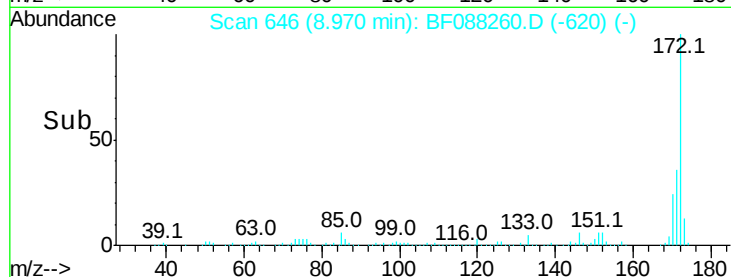
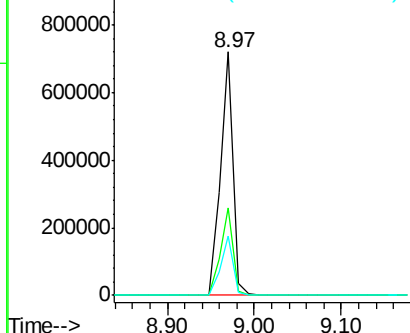
#44
 2-Fluorobiphenyl
 Concen: 72.92 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088260.D
 Acq: 22 Jun 2016 20:18

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.1	19.2	28.8

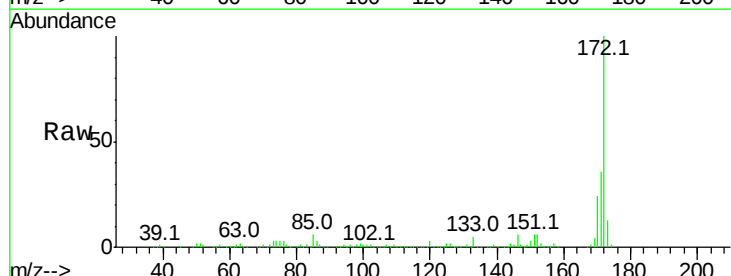


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

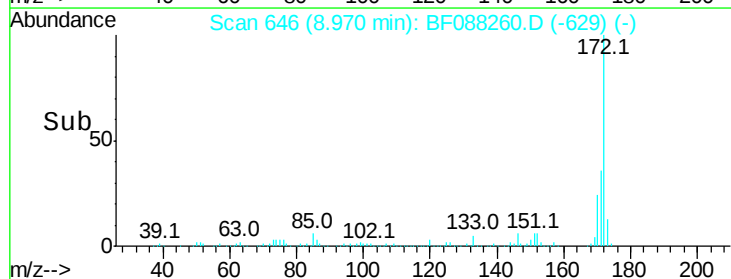
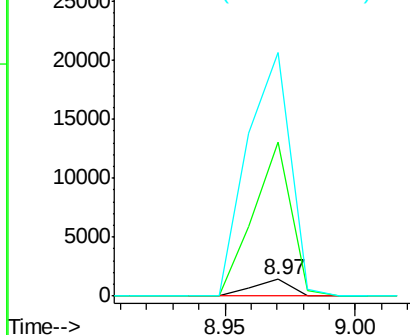


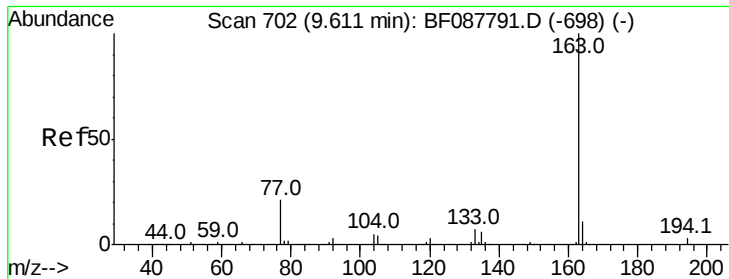
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 8.97 min Scan# 646
 Delta R.T. -0.10 min
 Lab File: BF088260.D
 Acq: 22 Jun 2016 20:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	907.3	20.6	60.6#
76	1437.4	0.0	35.1#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

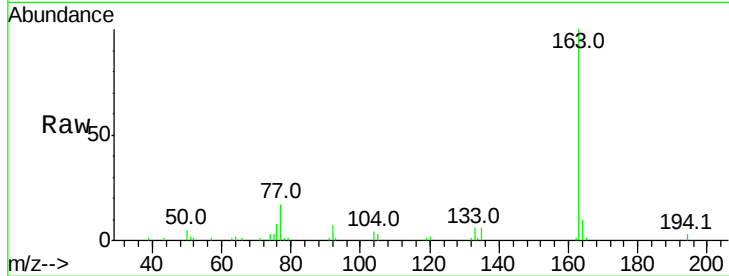




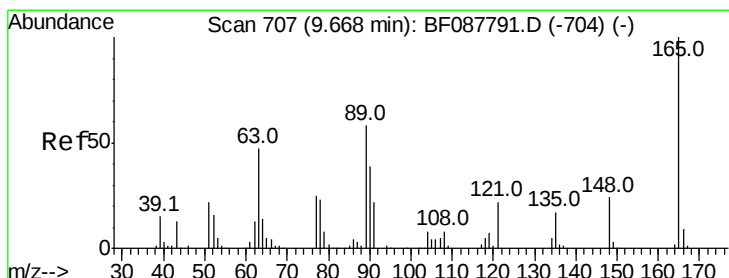
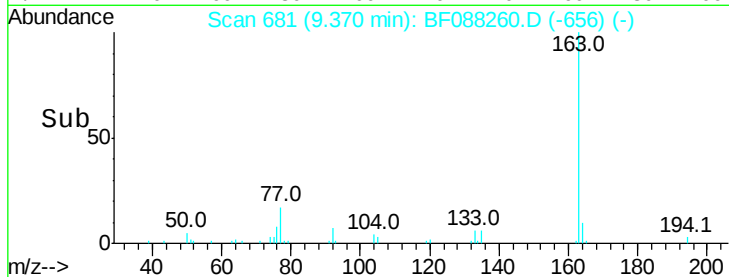
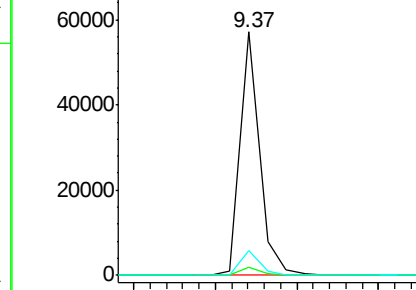
#49
Dimethylphthalate
Concen: 4.13 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 46624
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 10.4 8.3 12.5

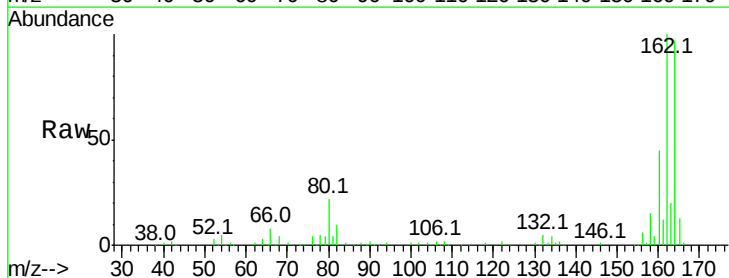


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

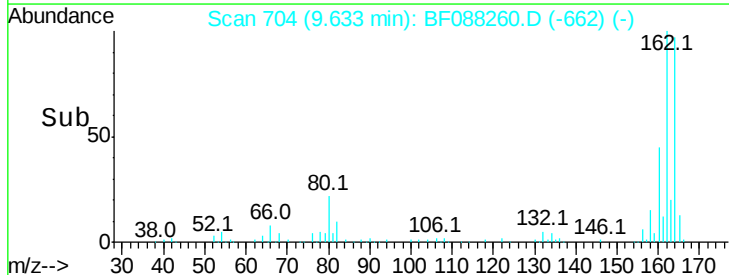
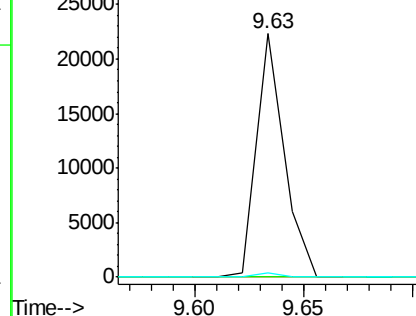


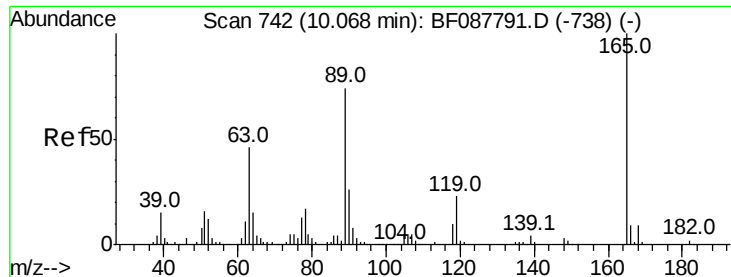
#50
2,6-Dinitrotoluene
Concen: 7.60 ng
RT: 9.63 min Scan# 704
Delta R.T. 0.18 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Tgt Ion:165 Resp: 19655
Ion Ratio Lower Upper
165 100
63 0.0 28.1 42.1#
89 1.6 32.2 48.2#



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

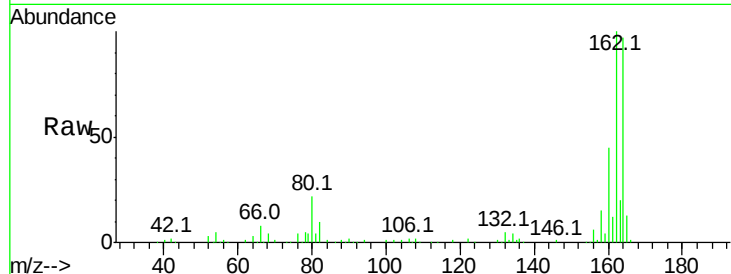




#56
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.22 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#

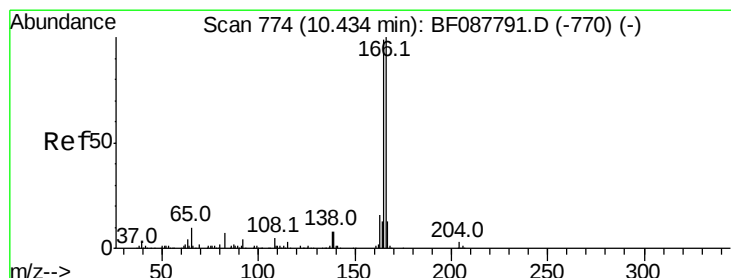
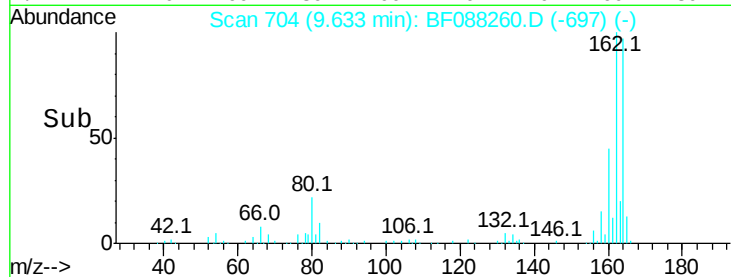
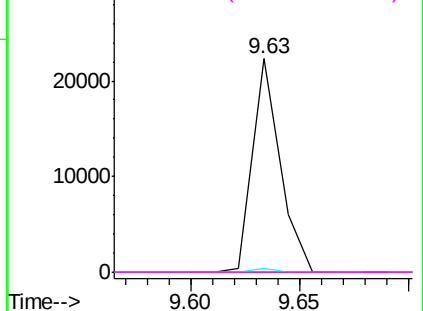


Abundance Ion 165.00 (164.70 to 165.70): E

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



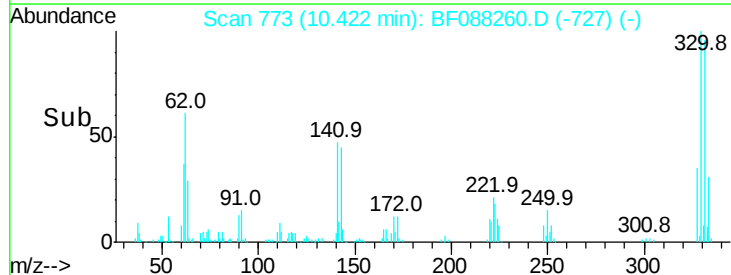
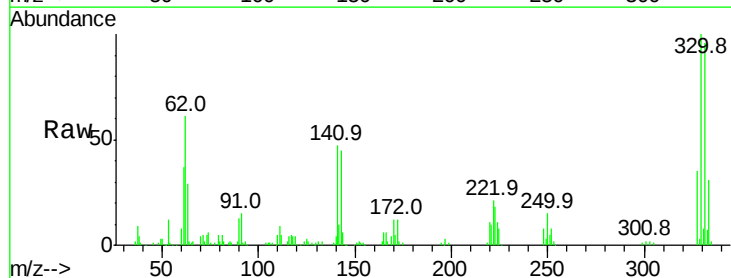
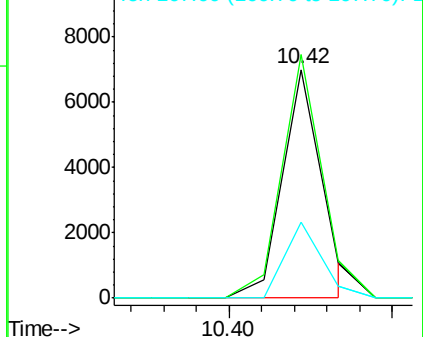
#57
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 773
Delta R.T. 0.23 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

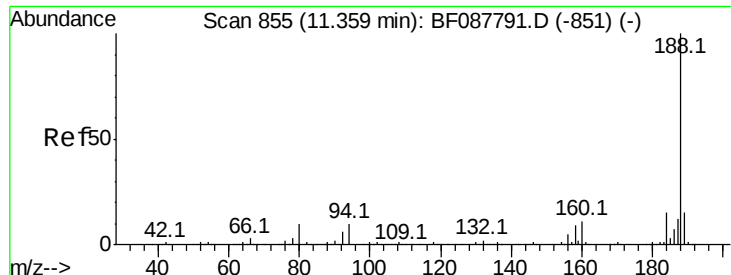
Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.4	77.8	116.8
167	33.4	11.2	16.8#

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

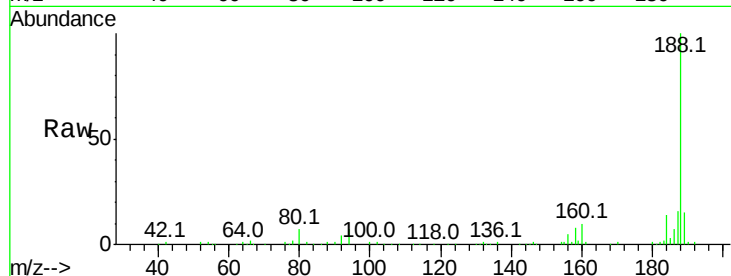




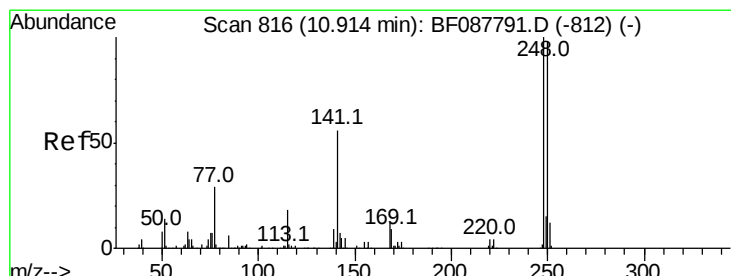
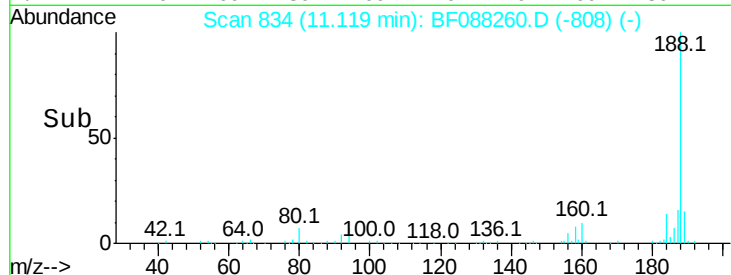
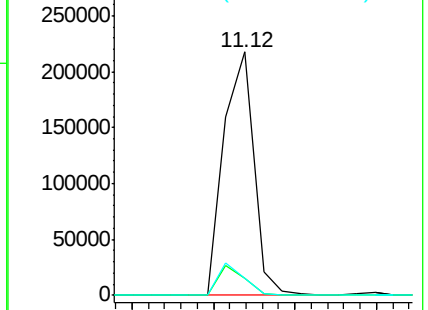
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 277750
Ion Ratio Lower Upper
188 100
94 7.1 9.0 13.6#
80 7.2 10.0 15.0#

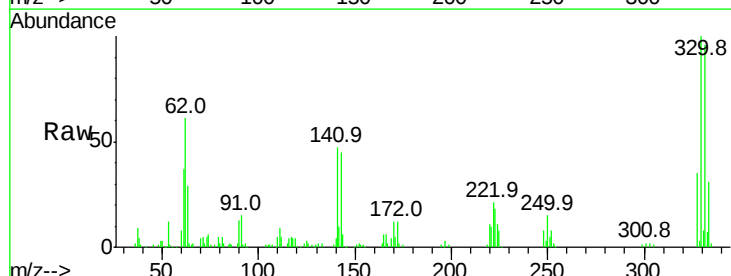


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

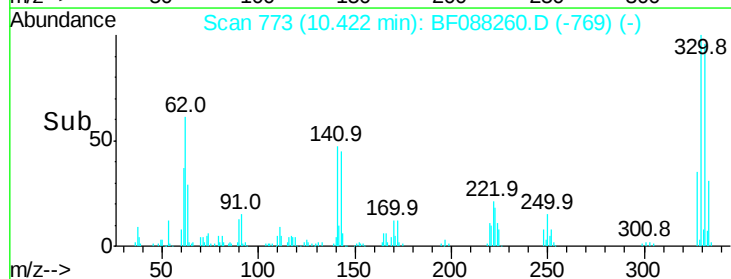
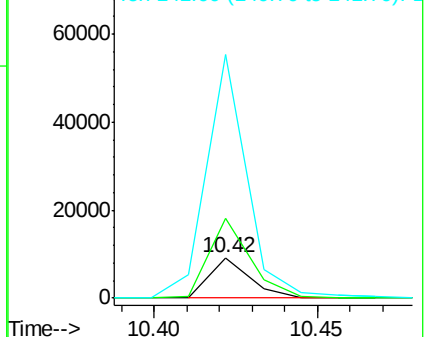


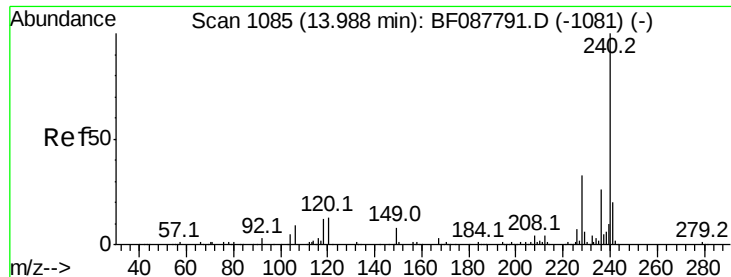
#66
4-Bromophenyl-phenylether
Concen: 2.59 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF088260.D
Acq: 22 Jun 2016 20:18

Tgt Ion:248 Resp: 7731
Ion Ratio Lower Upper
248 100
250 196.1 77.1 115.7#
141 602.4 50.6 76.0#



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: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF088260.D

Acq: 22 Jun 2016 20:18

Instrument :

BNA_F

ClientSampleId :

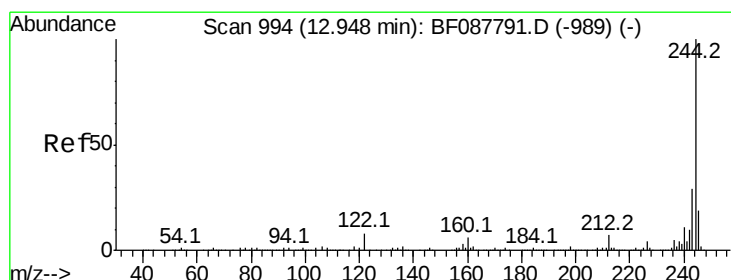
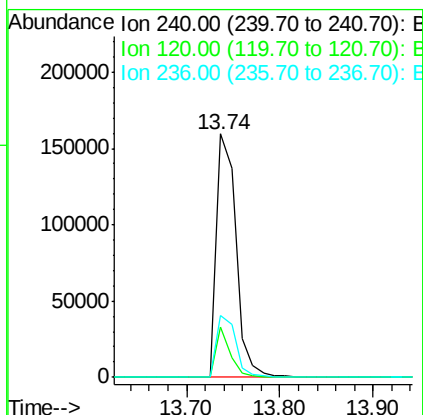
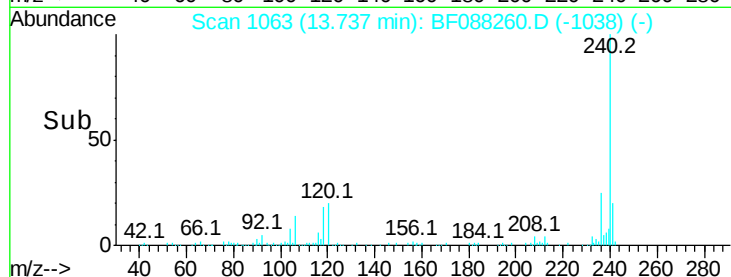
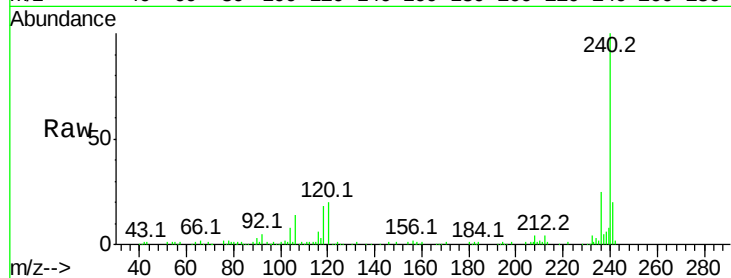
Tot Ion:240 Resp: 230940

Ion Ratio Lower Upper

240 100

120 20.5 6.8 10.2#

236 25.5 20.2 30.2



#78

Terphenyl-d14

Concen: 59.74 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088260.D

Acq: 22 Jun 2016 20:18

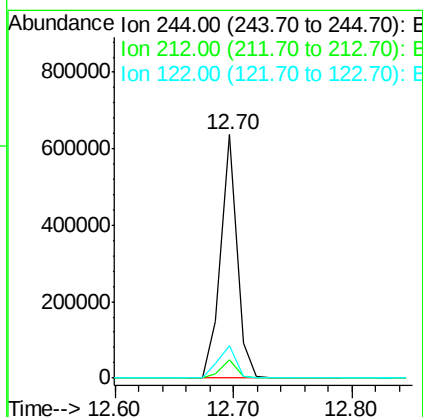
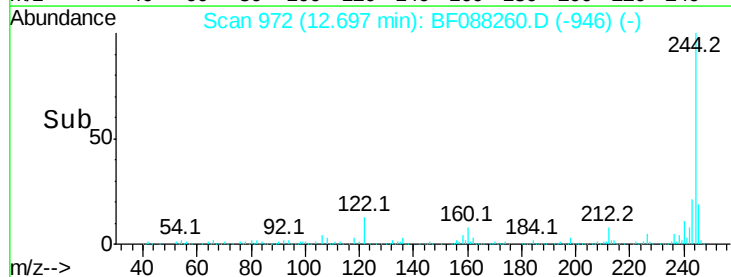
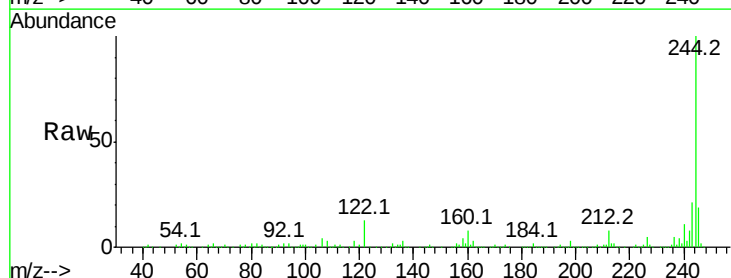
Tgt Ion:244 Resp: 606316

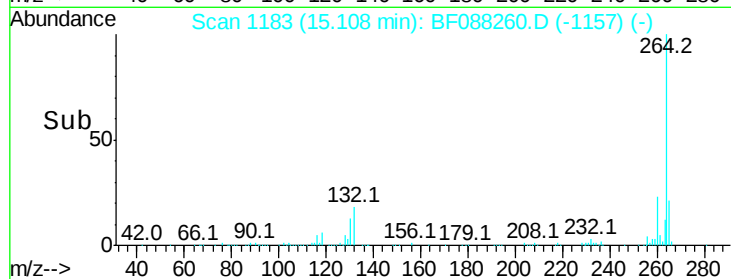
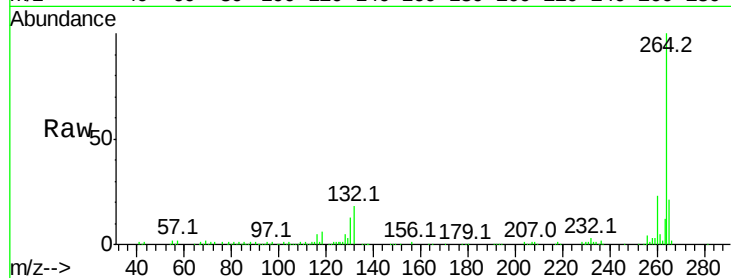
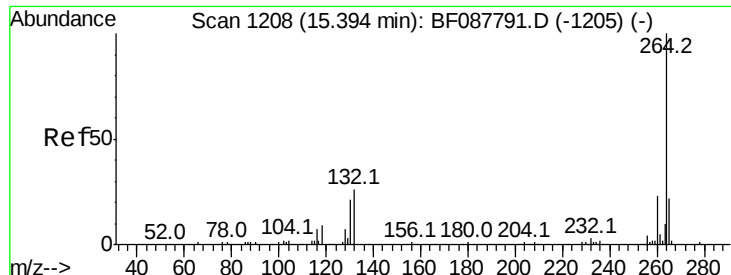
Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

122 13.2 11.2 16.8





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF088260.D
 Acq: 22 Jun 2016 20:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	264	Resp:	160960
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	21.0	16.9	25.3

