

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061616\
 Data File : BF088077.D
 Acq On : 16 Jun 2016 15:55
 Operator : UM/SJ
 Sample : PB91188TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91188TB

Quant Time: Jun 16 16:48:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 16 14:54:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	99523	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	384266	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	172958	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	333134	20.00	ng	0.00
75) Chrysene-d12	13.86	240	274921	20.00	ng	0.00
86) Perylene-d12	15.25	264	230004	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	623812	107.15	ng	0.01
7) Phenol-d6	6.36	99	827147	117.24	ng	0.00
23) Nitrobenzene-d5	7.28	82	496919	75.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	172078	94.22	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	942541	85.65	ng	0.00
78) Terphenyl-d14	12.82	244	809243	66.98	ng	0.00

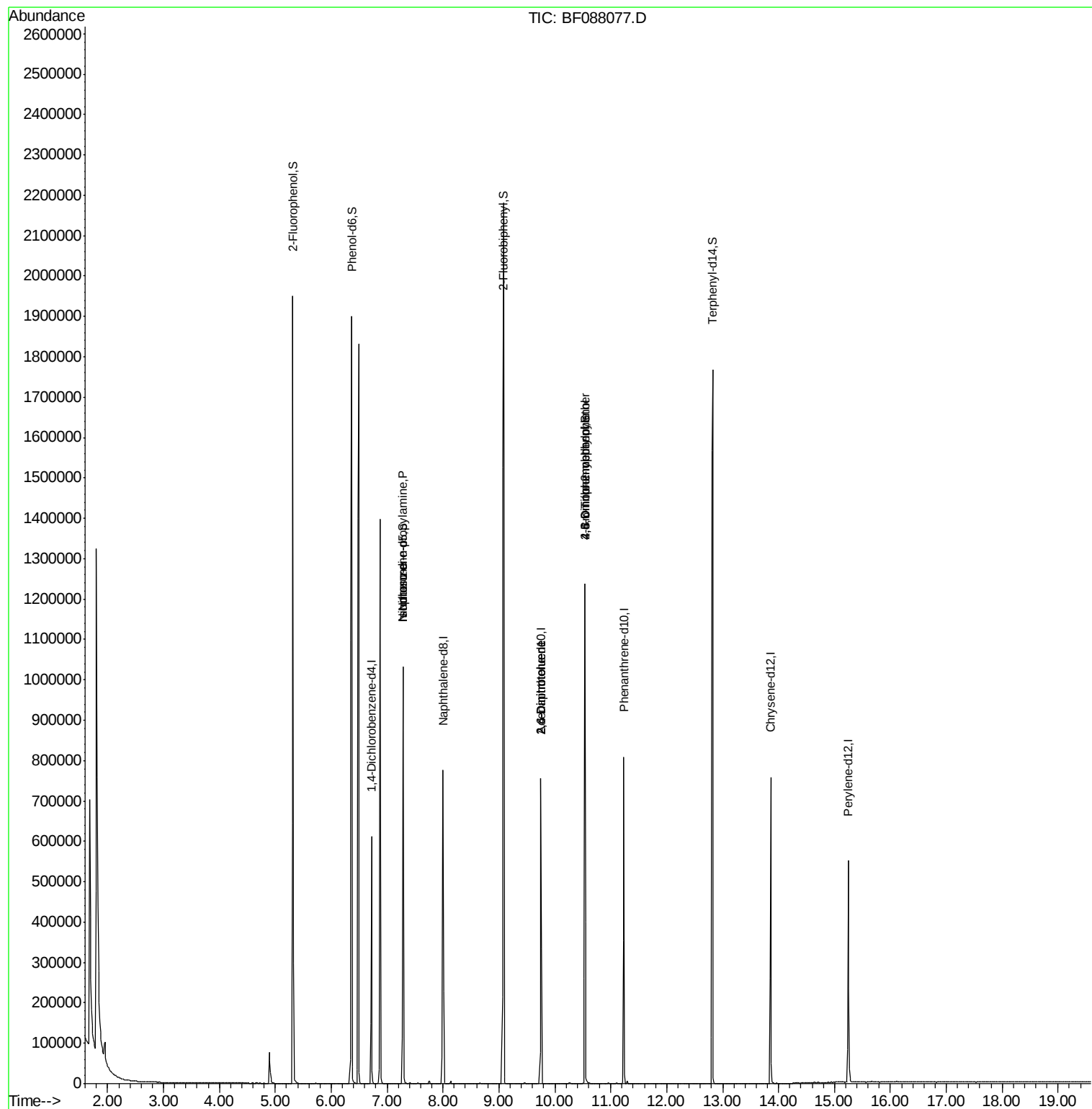
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	1302	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	63141	13.99	ng	72
25) Isophorone	7.28	82	469718	38.54	ng	65
45) 1,1'-Biphenyl	9.08	154	1846	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.75	165	22226	7.75	ng	38
56) 2,4-Dinitrotoluene	9.75	165	22226	6.03	ng	37
57) Fluorene	10.54	166	8426	Below Cal	#	91
64) 4,6-Dinitro-2-methylphenol	10.54	198	303	2.30	ng	1
66) 4-Bromophenyl-phenylether	10.54	248	10620	2.97	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: 6.72 min Scan# 449

Delta R.T. 0.00 min

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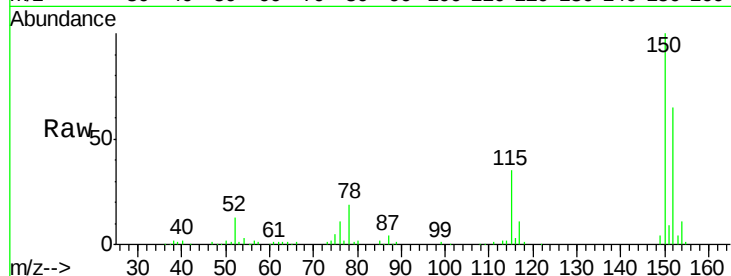
Tgt Ion:152 Resp: 99523

Ion Ratio Lower Upper

152 100

150 154.4 123.8 185.6

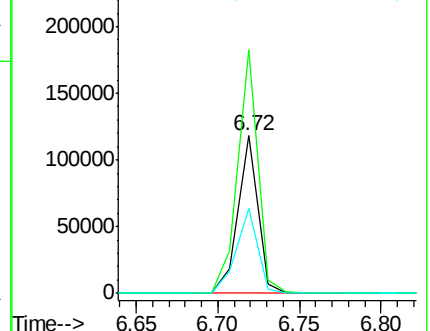
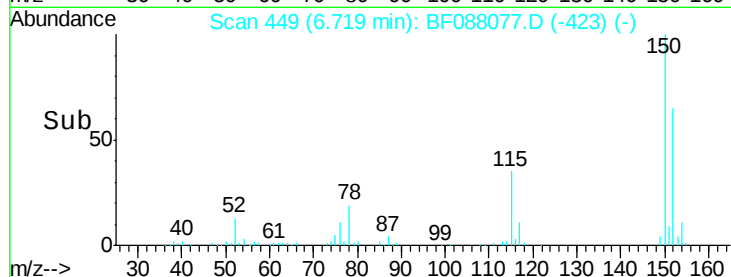
115 53.8 39.6 59.4



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: 107.15 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF088077.D

Acq: 16 Jun 2016 15:55

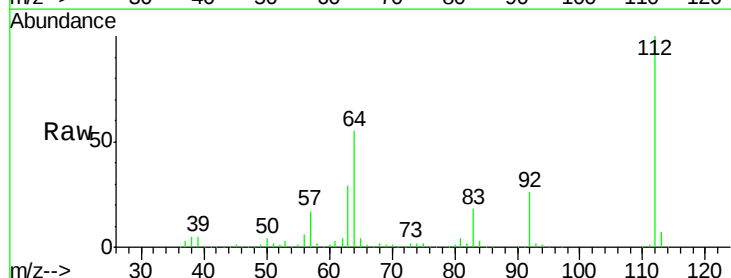
Tgt Ion:112 Resp: 623812

Ion Ratio Lower Upper

112 100

64 55.2 42.2 63.2

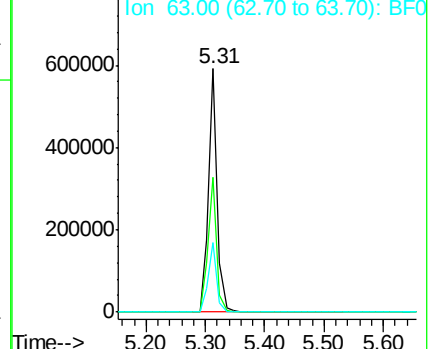
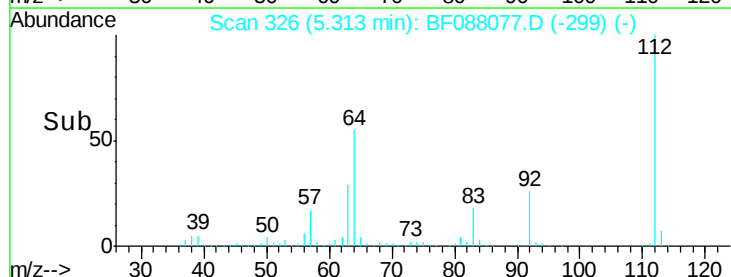
63 28.6 21.8 32.8



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: 117.24 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF088077.D

Acq: 16 Jun 2016 15:55

Instrument :

BNA_F

ClientSampleId :

PB91188TB

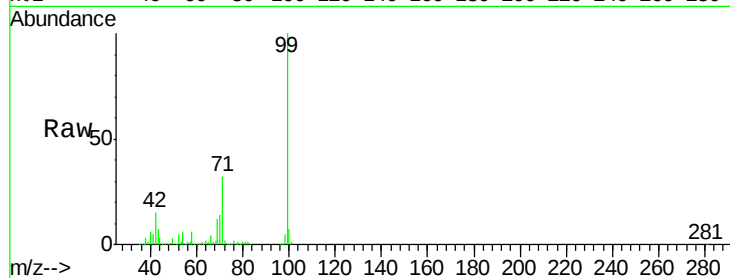
Tgt Ion: 99 Resp: 827147

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

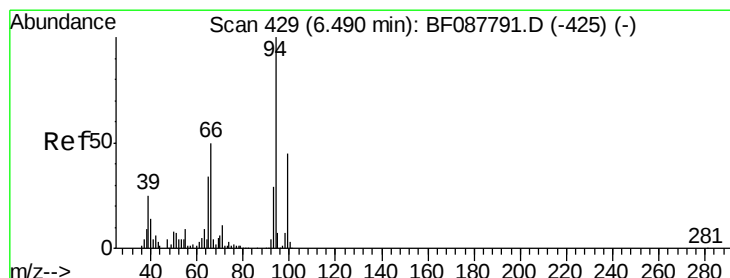
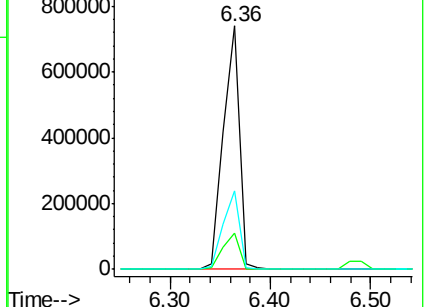
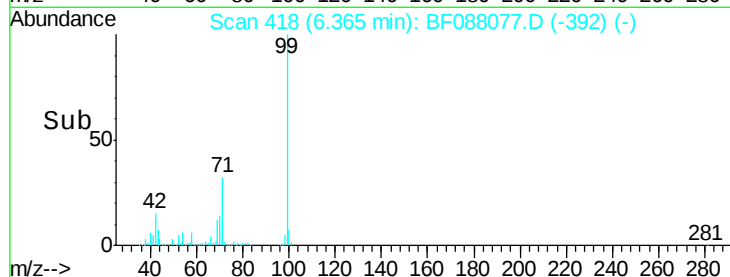
71 32.5 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.49 min Scan# 429

Delta R.T. 0.11 min

Lab File: BF088077.D

Acq: 16 Jun 2016 15:55

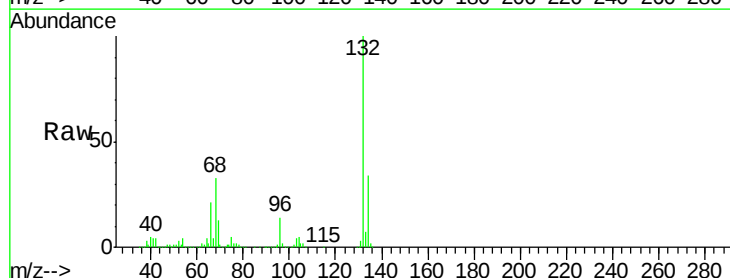
Tgt Ion: 94 Resp: 1302

Ion Ratio Lower Upper

94 100

65 1000.5 5.9 45.9#

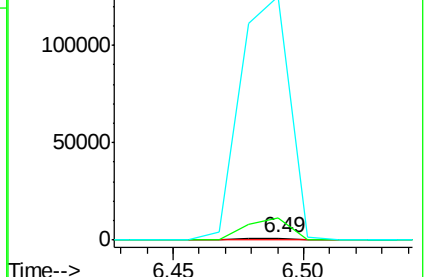
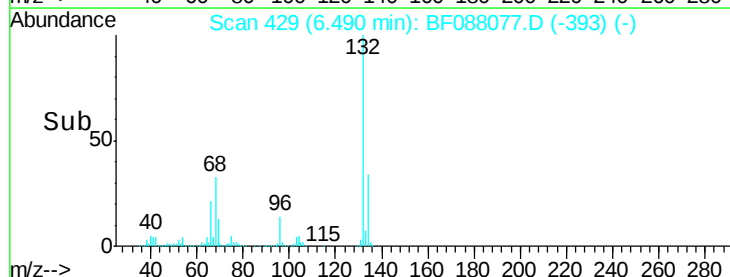
66 11102.7 14.0 54.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

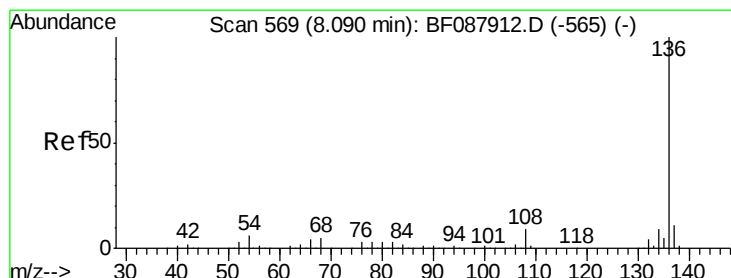
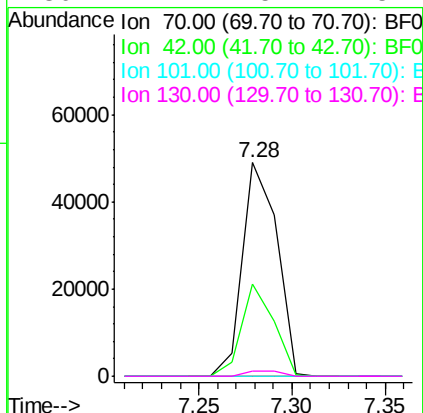
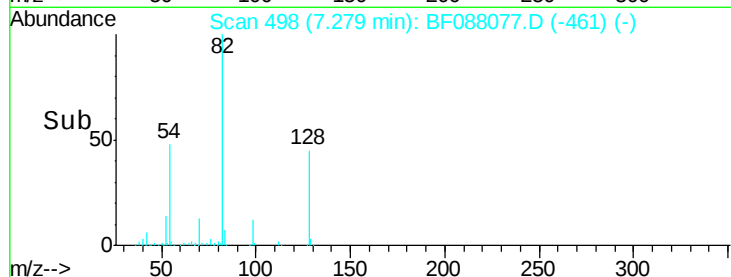
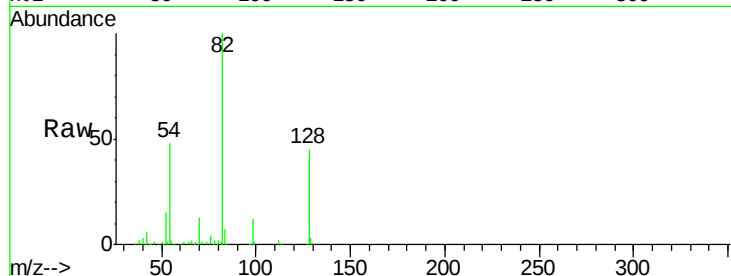




#19
n-Nitroso-di-n-propylamine
Concen: 13.99 ng
RT: 7.28 min Scan# 498
Delta R.T. 0.13 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

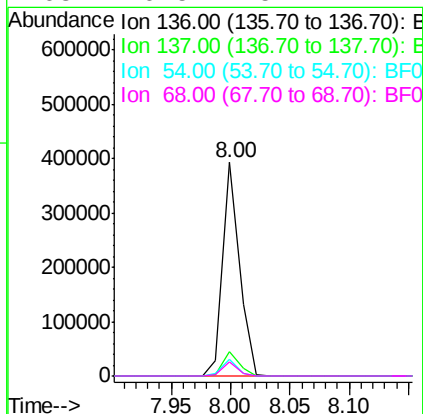
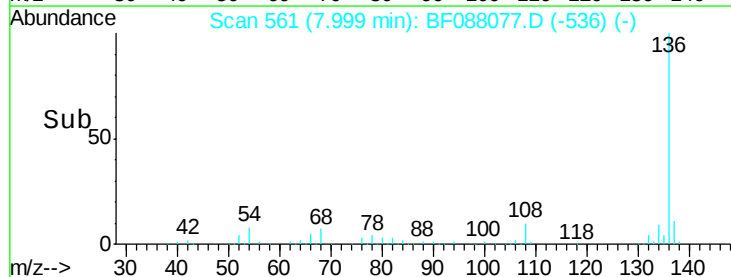
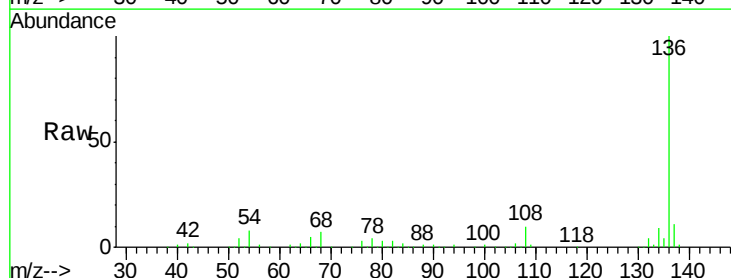
Instrument :
BNA_F
ClientSampleId :
PB91188TB

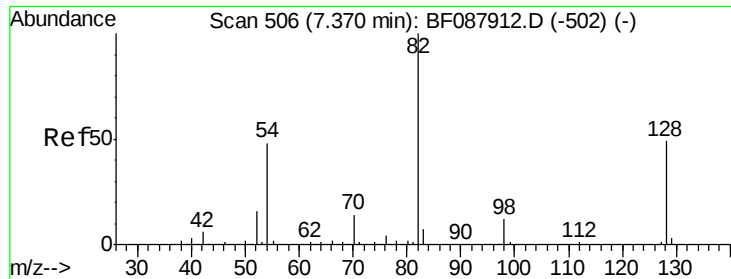
Tgt Ion: 70 Resp: 63141
Ion Ratio Lower Upper
70 100
42 42.9 49.6 74.4#
101 0.0 7.1 10.7#
130 2.1 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 561
Delta R.T. -0.01 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Tgt Ion: 136 Resp: 384266
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 8.0 6.6 10.0
68 6.5 5.1 7.7

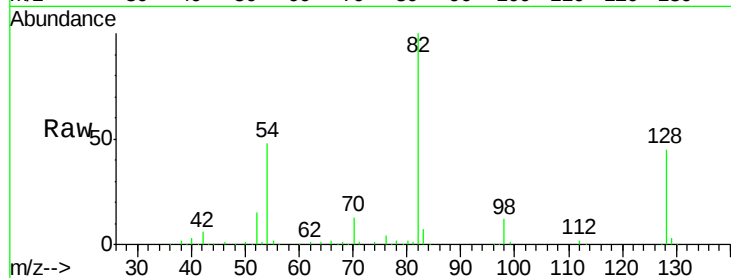




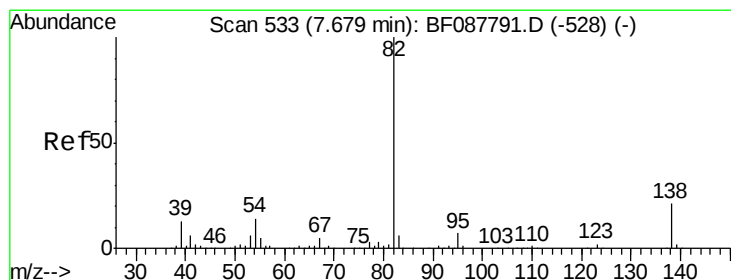
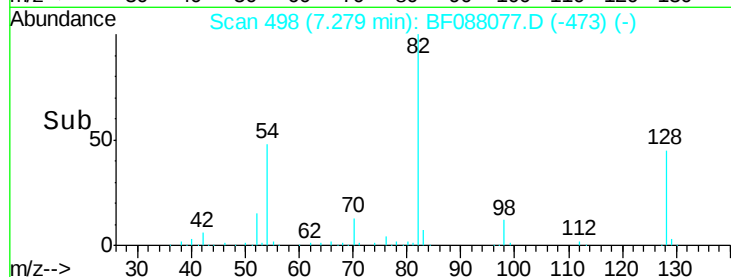
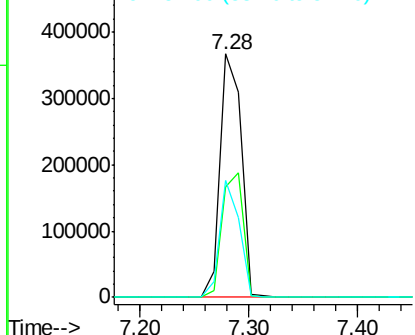
#23
Nitrobenzene-d5
Concen: 75.51 ng
RT: 7.28 min Scan# 498
Delta R.T. -0.01 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Instrument :
BNA_F
ClientSampleID :
PB91188TB

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.9	53.9
54	48.0	40.9	61.3

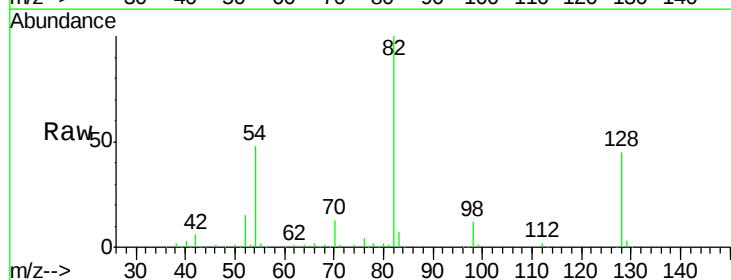


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

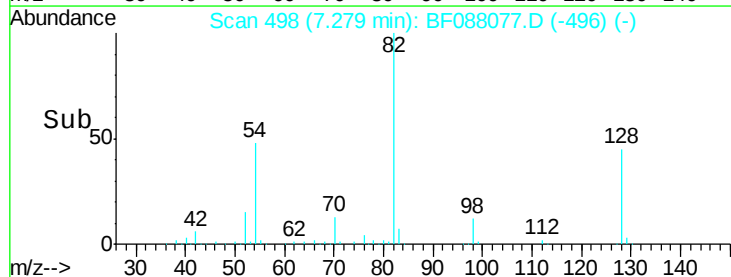
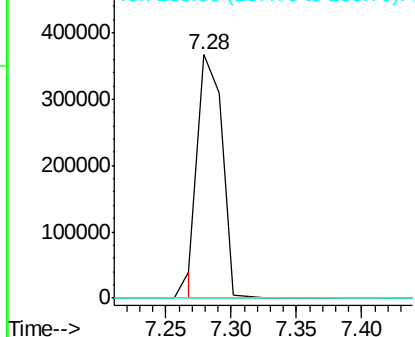


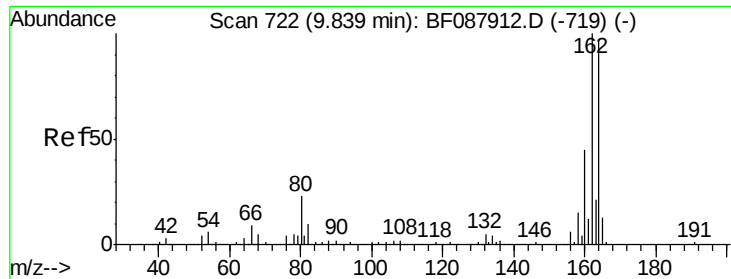
#25
Isophorone
Concen: 38.54 ng
RT: 7.28 min Scan# 498
Delta R.T. -0.27 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Tgt 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

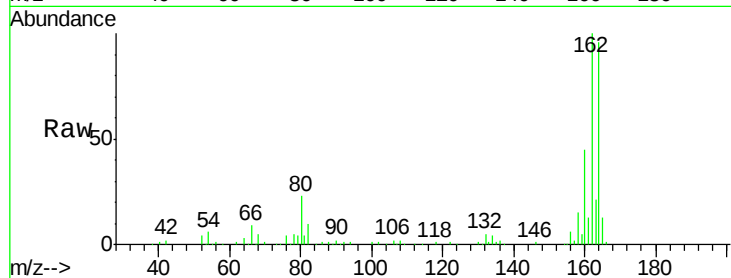




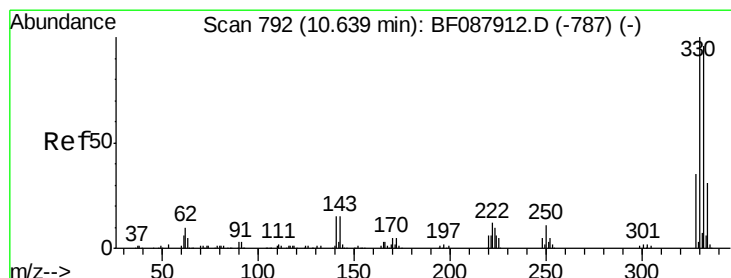
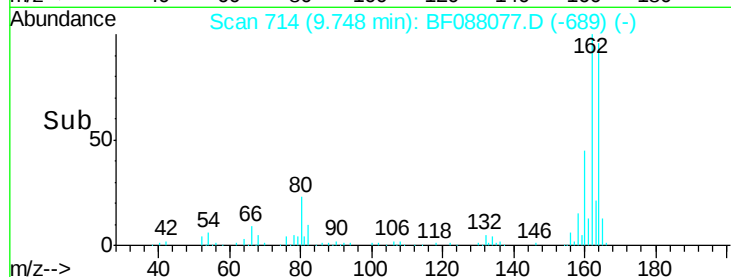
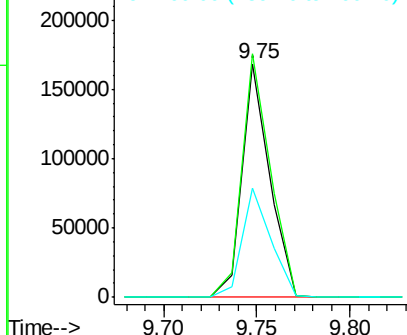
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Instrument :
BNA_F
ClientSampleId :
PB91188TB

Tgt Ion:164 Resp: 172958
Ion Ratio Lower Upper
164 100
162 104.1 85.4 128.2
160 46.8 39.5 59.3

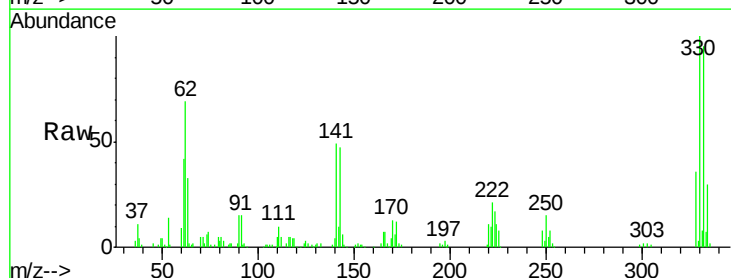


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

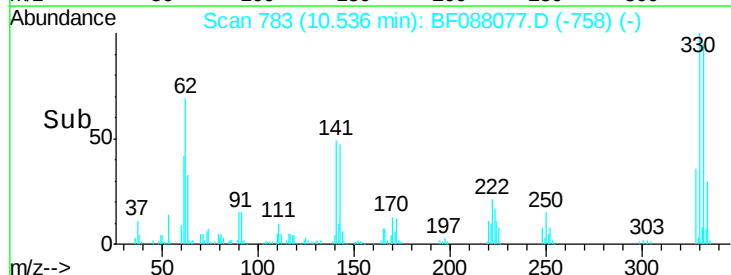
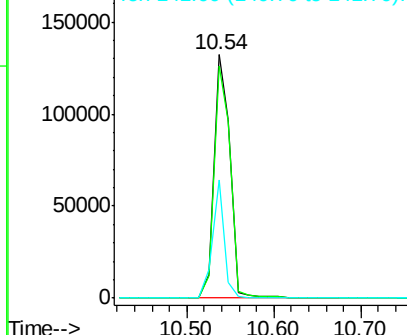


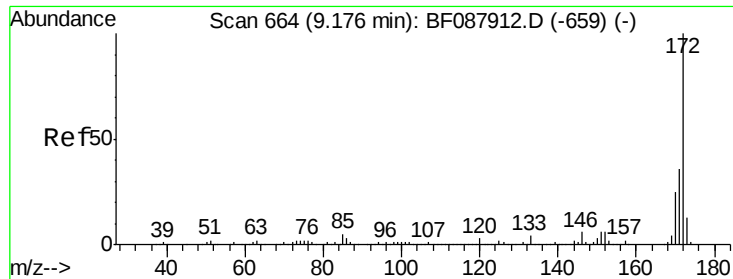
#41
2,4,6-Tribromophenol
Concen: 94.22 ng
RT: 10.54 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Tgt Ion:330 Resp: 172078
Ion Ratio Lower Upper
330 100
332 97.3 0.0 0.0#
141 36.0 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

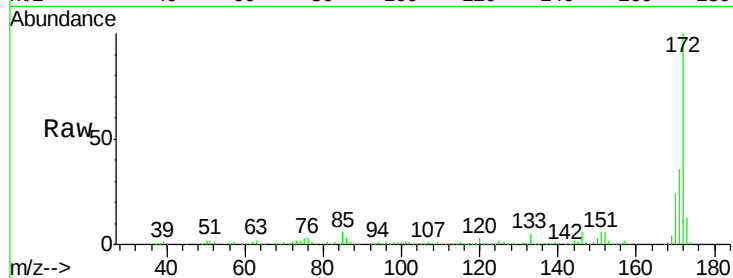




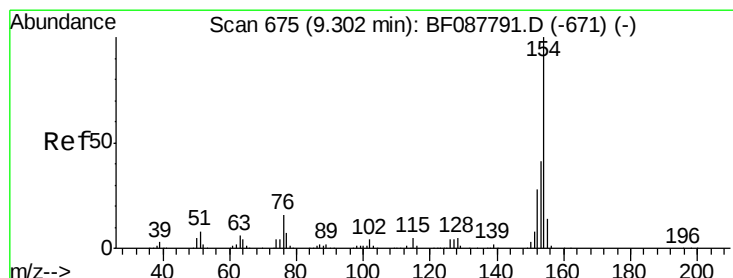
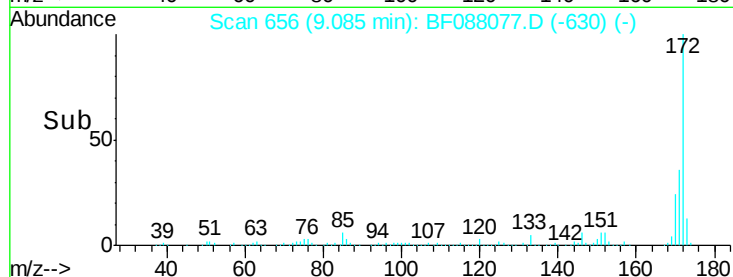
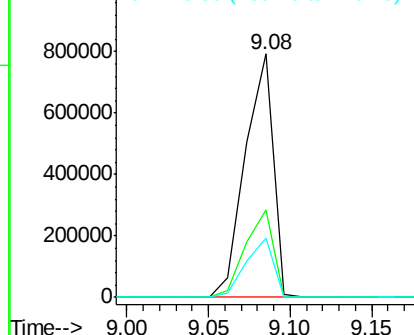
#44
2-Fluorobiphenyl
Concen: 85.65 ng
RT: 9.08 min Scan# 656
Delta R.T. 0.00 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Instrument :
BNA_F
ClientSampled :
PB91188TB

Tgt Ion:172 Resp: 942541
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.3 19.2 28.8

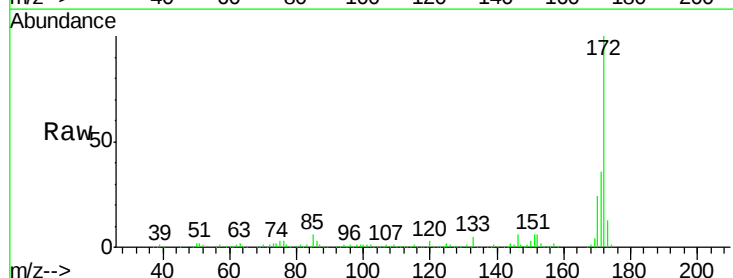


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

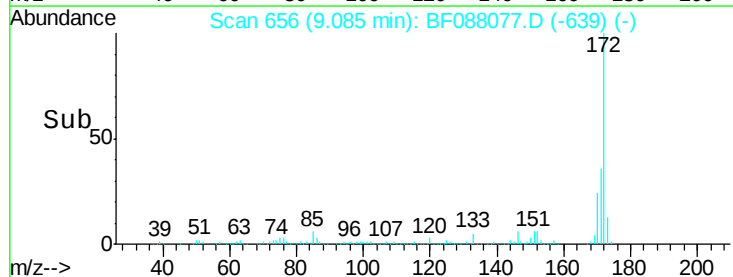
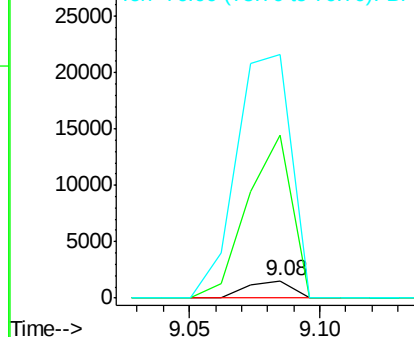


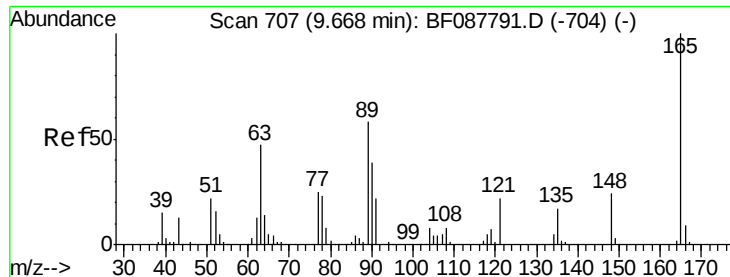
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.08 min Scan# 656
Delta R.T. -0.10 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Tgt Ion:154 Resp: 1846
Ion Ratio Lower Upper
154 100
153 937.8 20.6 60.6#
76 1403.9 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

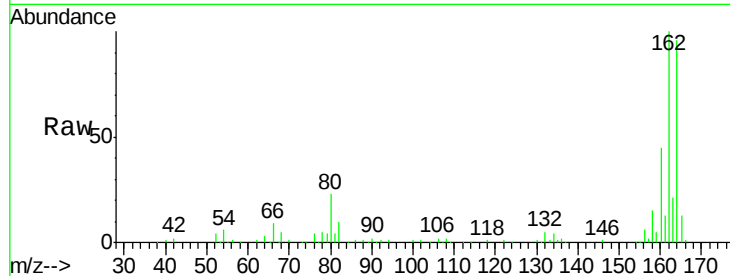




#50
2,6-Dinitrotoluene
Concen: 7.75 ng
RT: 9.75 min Scan# 714
Delta R.T. 0.19 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Instrument :
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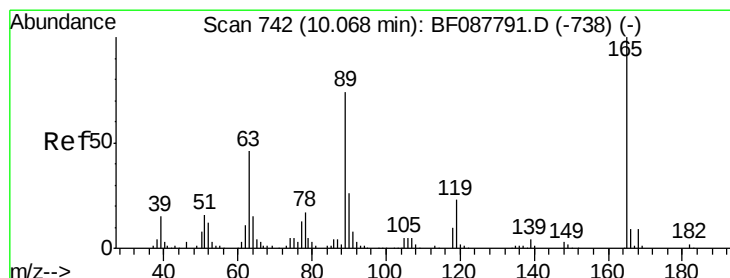
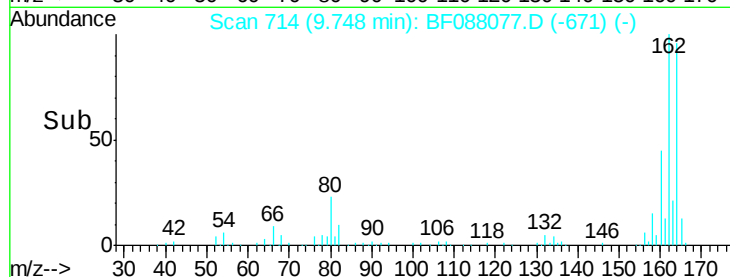
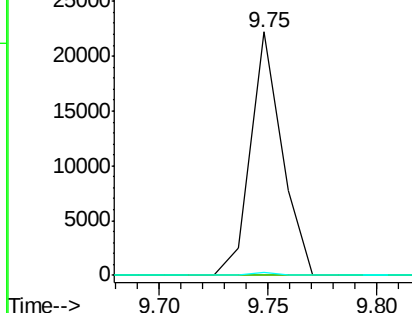
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.3	32.2	48.2#



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: 6.03 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.21 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

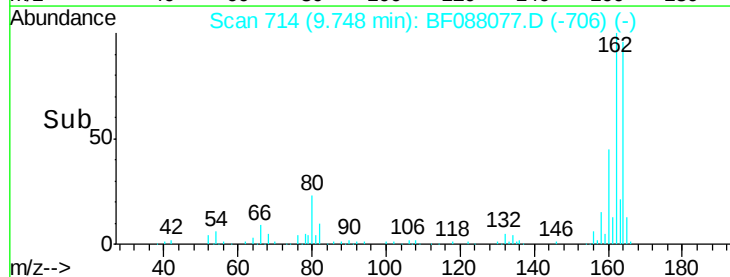
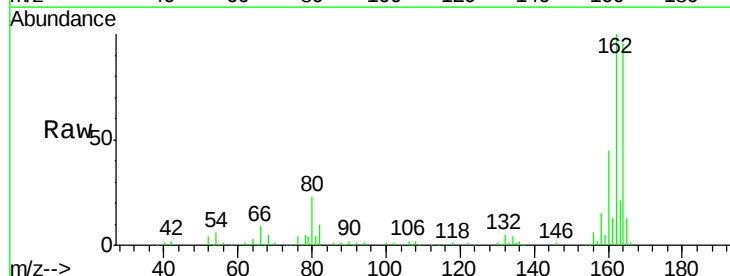
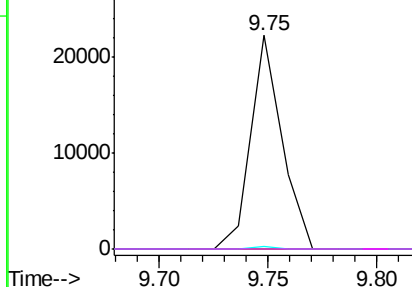
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.3	41.1	61.7#
182	0.0	2.0	3.0#

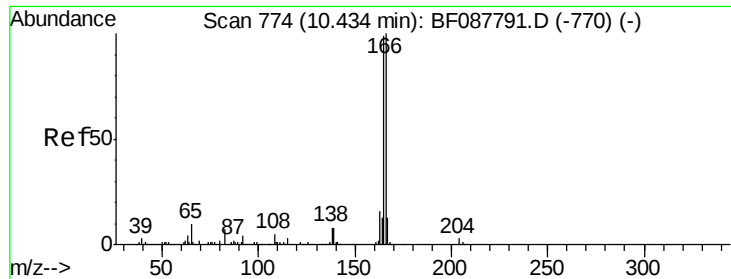
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.54 min Scan# 783

Delta R.T. 0.23 min

Lab File: BF088077.D

Acq: 16 Jun 2016 15:55

Instrument :

BNA_F

ClientSampleId :

PB91188TB

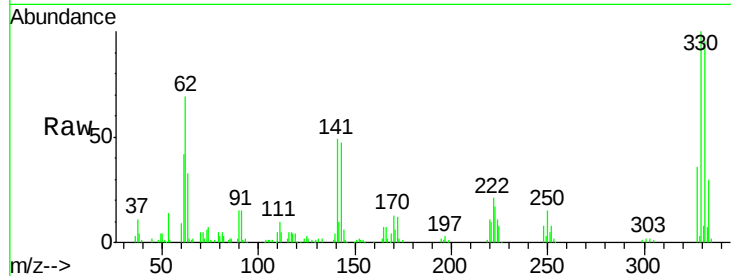
Tgt Ion:166 Resp: 8426

Ion Ratio Lower Upper

166 100

165 101.2 77.8 116.8

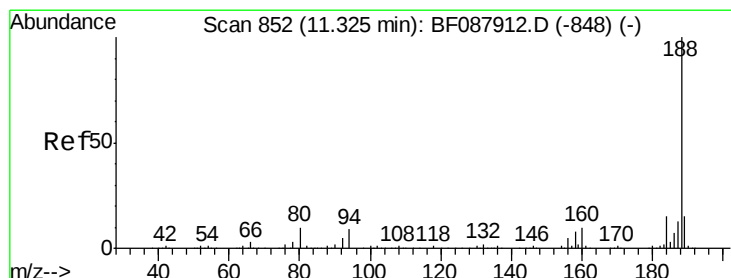
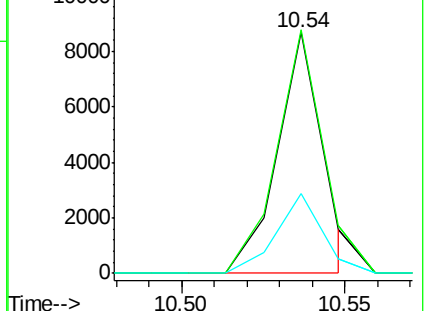
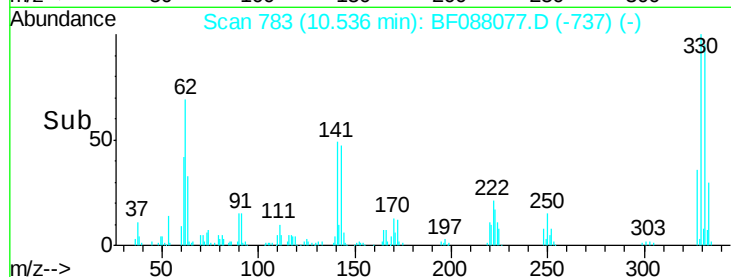
167 33.4 11.2 16.8#



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: 11.23 min Scan# 844

Delta R.T. 0.00 min

Lab File: BF088077.D

Acq: 16 Jun 2016 15:55

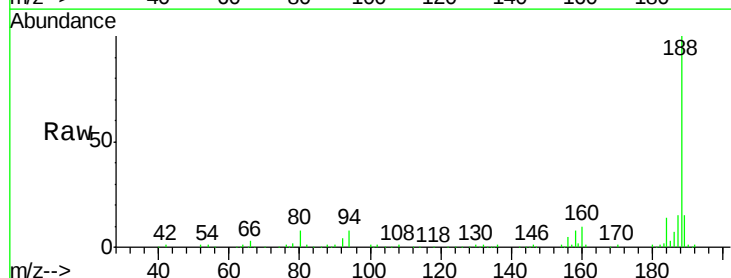
Tgt Ion:188 Resp: 333134

Ion Ratio Lower Upper

188 100

94 8.1 9.0 13.6#

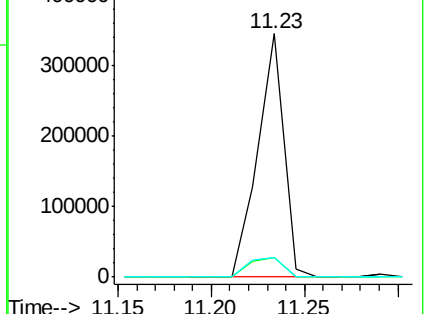
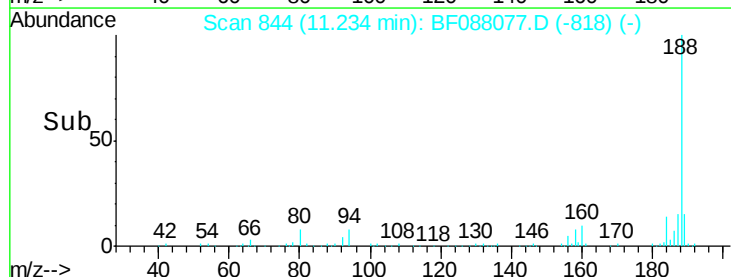
80 8.0 10.0 15.0#

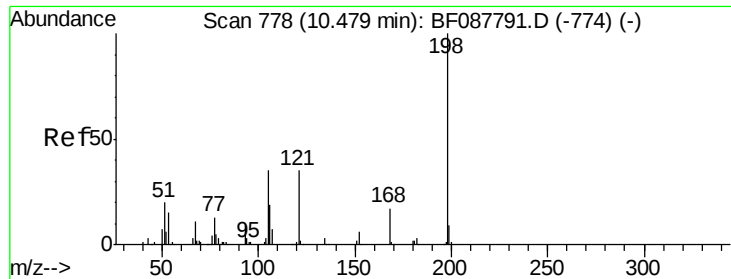


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 2.30 ng

RT: 10.54 min Scan# 783

Delta R.T. 0.17 min

Lab File: BF088077.D

Acq: 16 Jun 2016 15:55

Instrument :

BNA_F

ClientSampleId :

PB91188TB

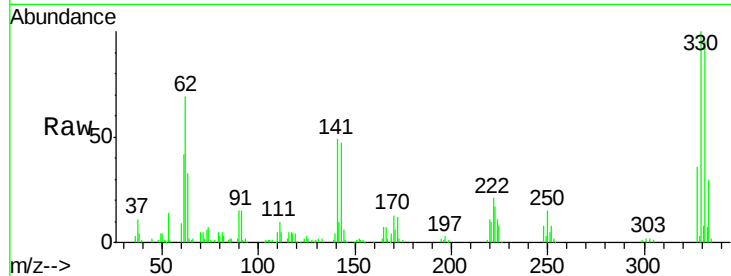
Tgt Ion:198 Resp: 303

Ion Ratio Lower Upper

198 100

51 156.3 39.6 79.6#

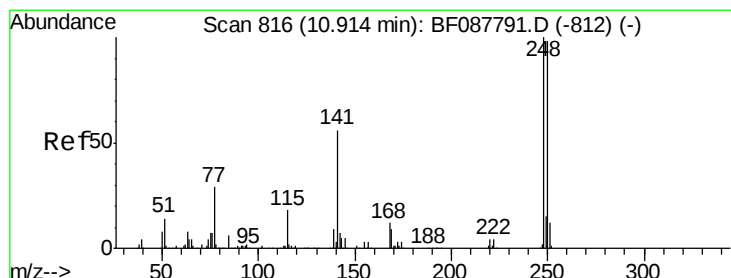
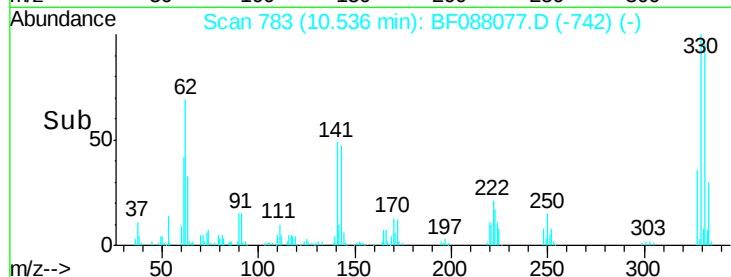
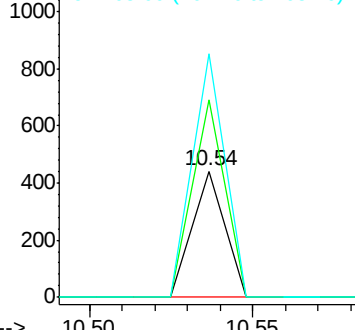
105 193.0 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.97 ng

RT: 10.54 min Scan# 783

Delta R.T. -0.25 min

Lab File: BF088077.D

Acq: 16 Jun 2016 15:55

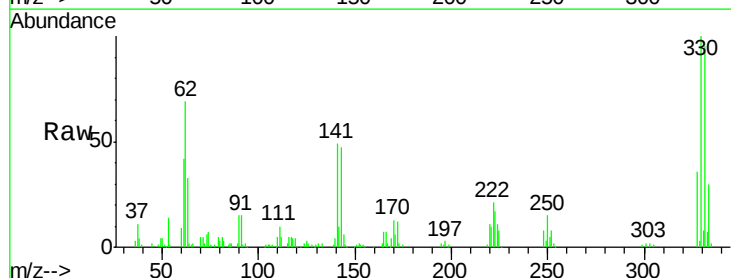
Tgt Ion:248 Resp: 10620

Ion Ratio Lower Upper

248 100

250 199.8 77.1 115.7#

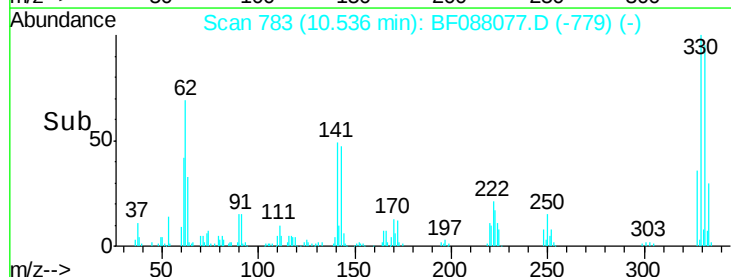
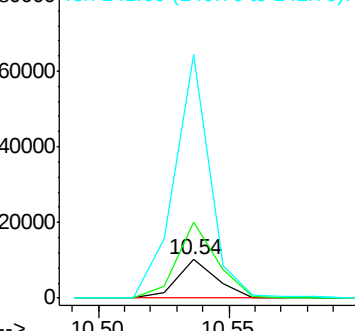
141 635.6 50.6 76.0#

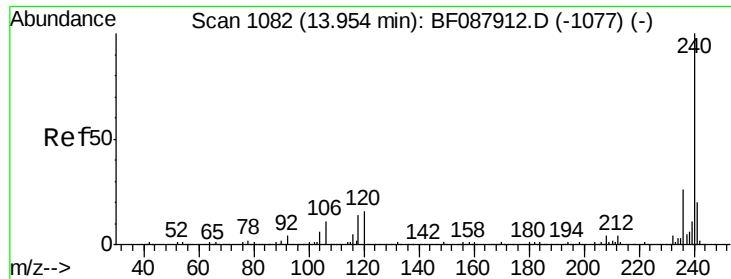


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

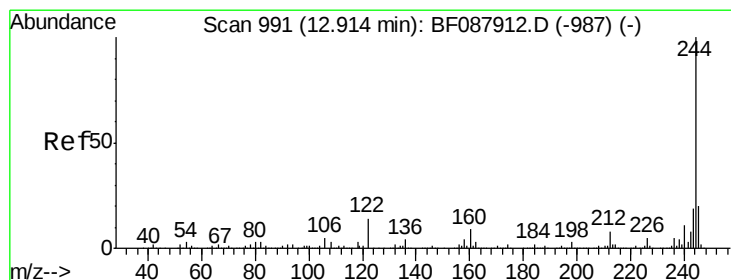
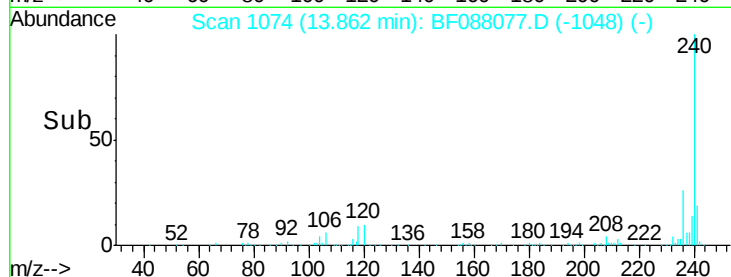
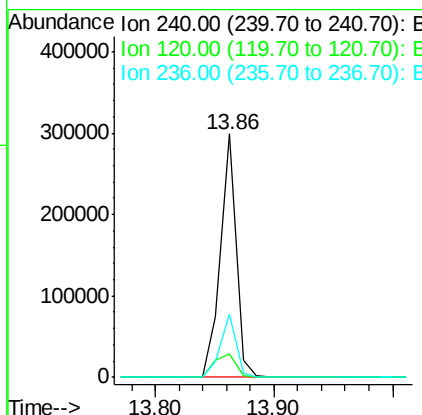
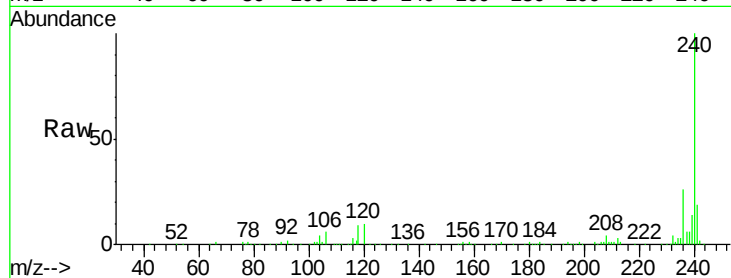




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.86 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

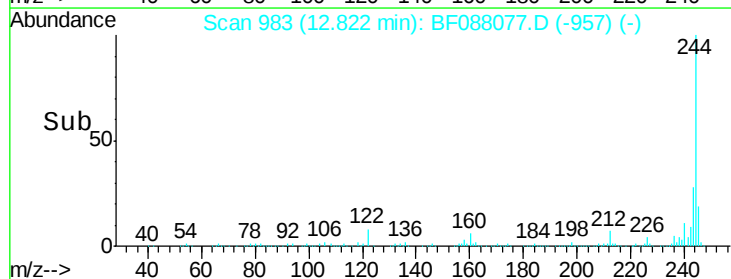
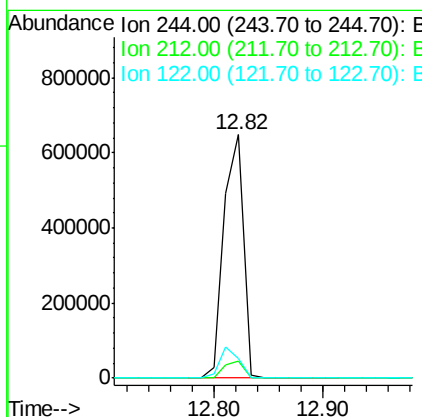
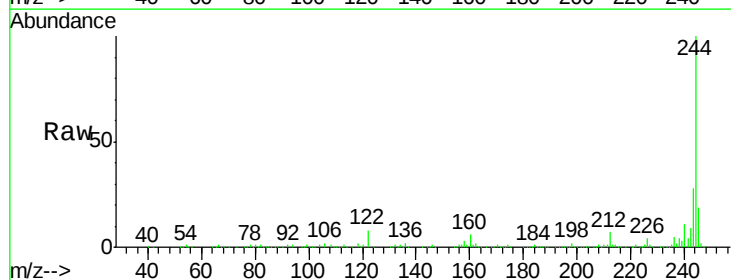
Instrument :
BNA_F
ClientSampleId :
PB91188TB

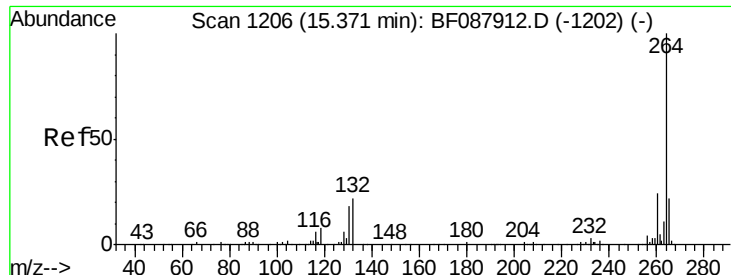
Tgt Ion:240 Resp: 274921
Ion Ratio Lower Upper
240 100
120 9.8 6.8 10.2
236 25.8 20.2 30.2



#78
Terphenyl-d14
Concen: 66.98 ng
RT: 12.82 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Tgt Ion:244 Resp: 809243
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 8.2 11.2 16.8#

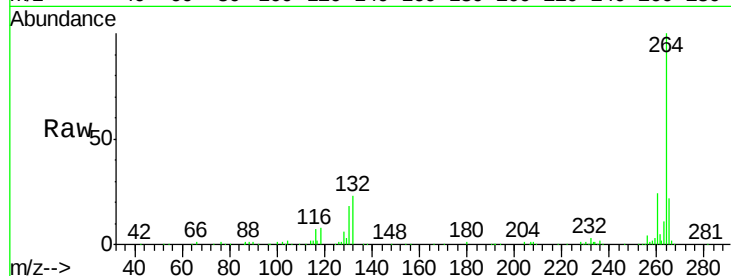




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BF088077.D
Acq: 16 Jun 2016 15:55

Instrument :
BNA_F
ClientSampleId :
PB91188TB

Tgt Ion: 264 Resp: 230004
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 22.0 16.9 25.3



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

