

Data File : BF093077.D
Acq On : 22 Feb 2017 16:06
Operator : SJ/MA
Sample : PB97102TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB97102TB

Quant Time: Feb 22 23:54:56 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	142713	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	560478	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	275772	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	529121	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	454991	20.00	ng	-0.03
86) Perylene-d12	15.41	264	360117	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1054803	126.80	ng	-0.01
7) Phenol-d6	6.48	99	1318757	123.21	ng	-0.01
23) Nitrobenzene-d5	7.40	82	768496	76.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	268476	134.60	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1342527	88.20	ng	-0.02
78) Terphenyl-d14	12.95	244	1407397	72.68	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.61	77	23451	3.06	ng	85
19) n-Nitroso-di-n-propylamine	7.40	70	98704	14.49	ng	# 79
25) Isophorone	7.40	82	699849	37.32	ng	# 65
50) 2,6-Dinitrotoluene	9.87	165	34611	8.63	ng	# 31
56) 2,4-Dinitrotoluene	9.87	165	34611	6.48	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.66	198	467	2.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	18170	3.29	ng	# 1

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

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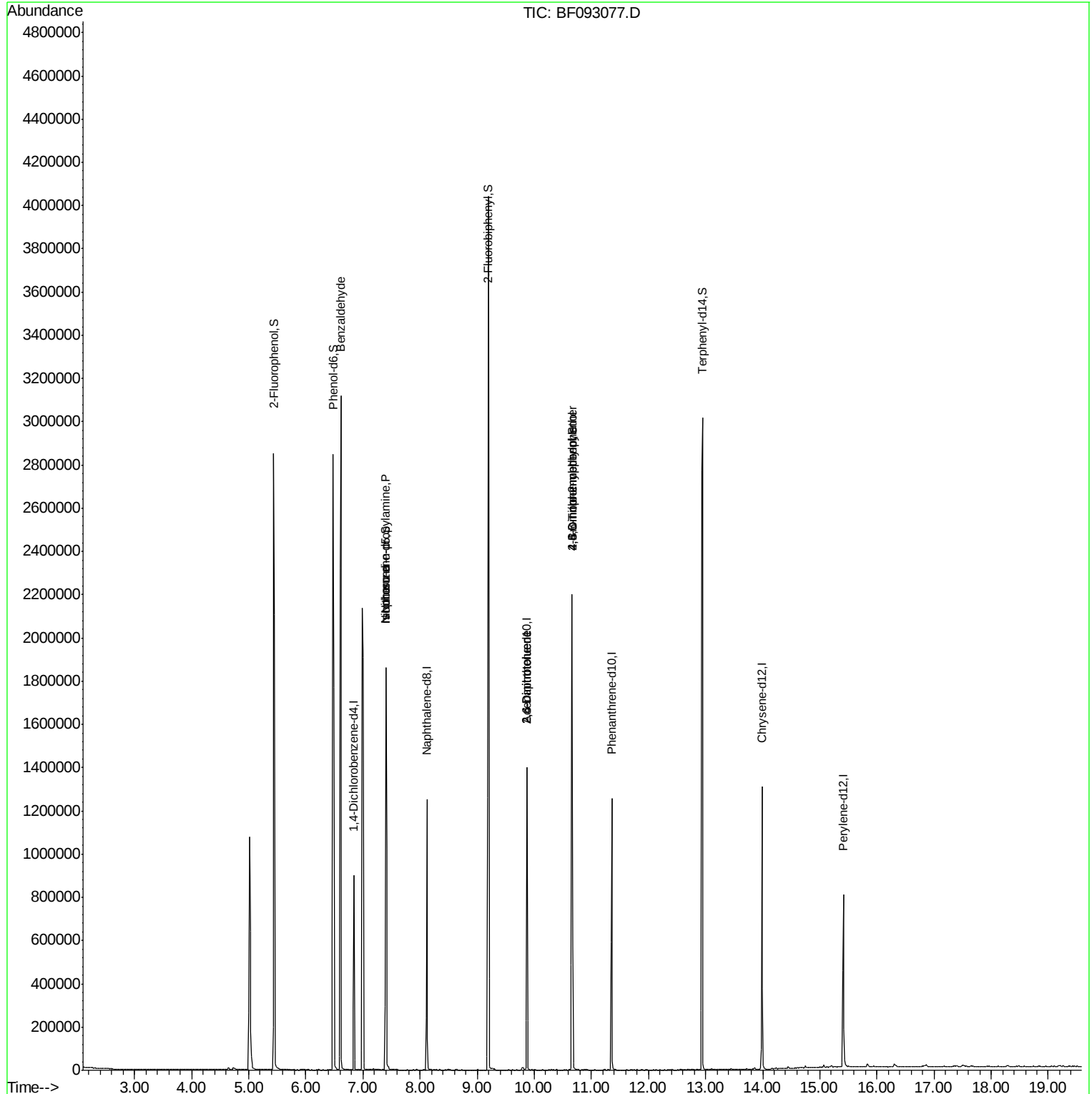
Quant Time: Feb 22 23:54:56 2017

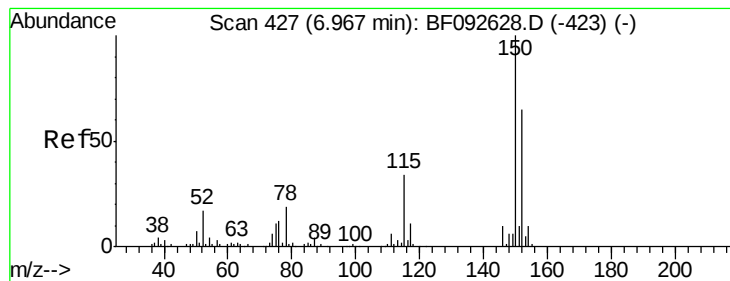
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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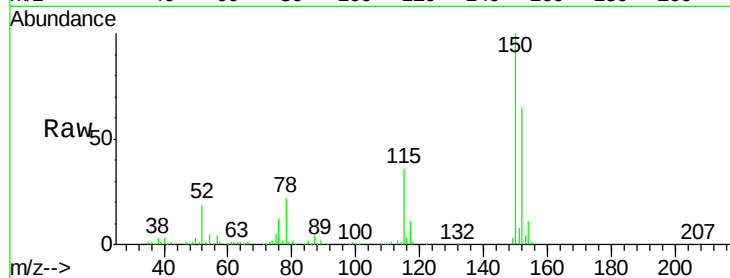
Tgt Ion:152 Resp: 142713

Ion Ratio Lower Upper

152 100

150 154.3 124.9 187.3

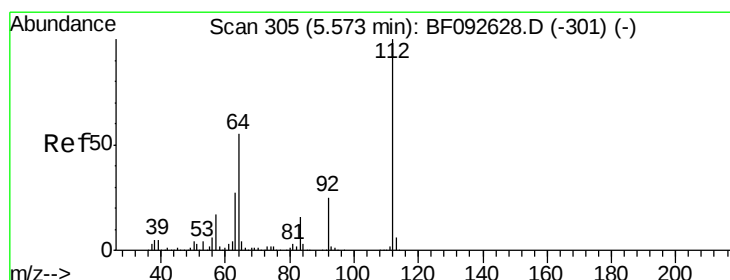
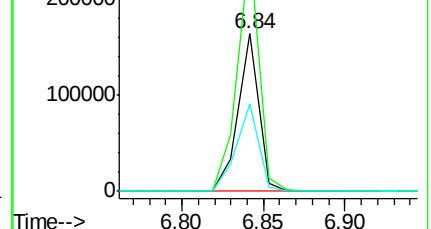
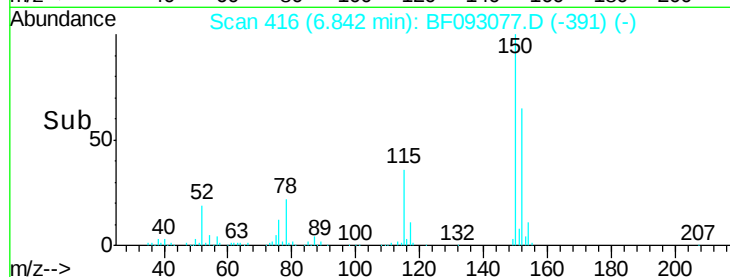
115 55.3 46.0 69.0



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: 126.80 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093077.D

Acq: 22 Feb 2017 16:06

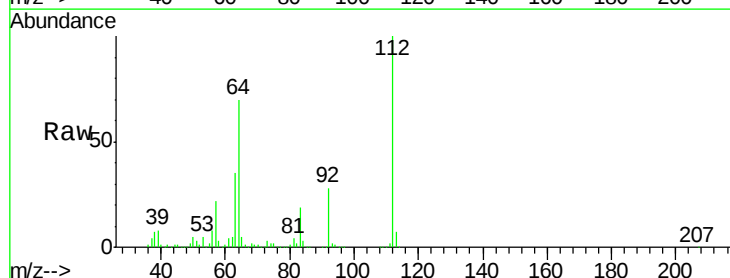
Tgt Ion:112 Resp: 1054803

Ion Ratio Lower Upper

112 100

64 69.9 46.1 69.1#

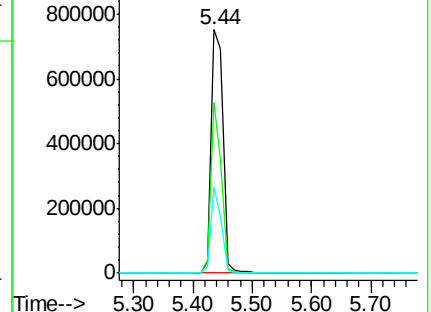
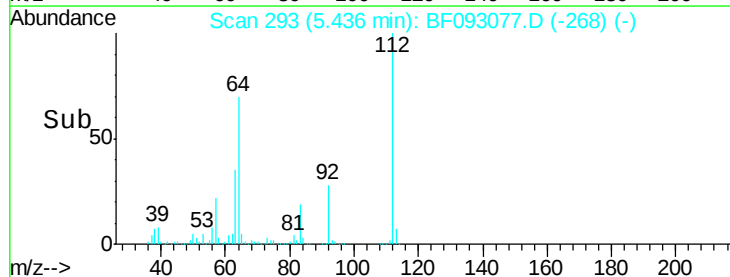
63 35.1 23.8 35.6

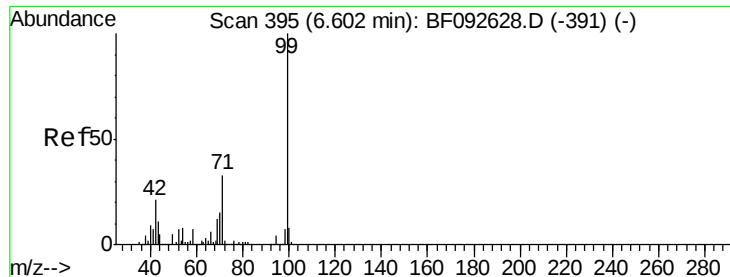


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 123.21 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

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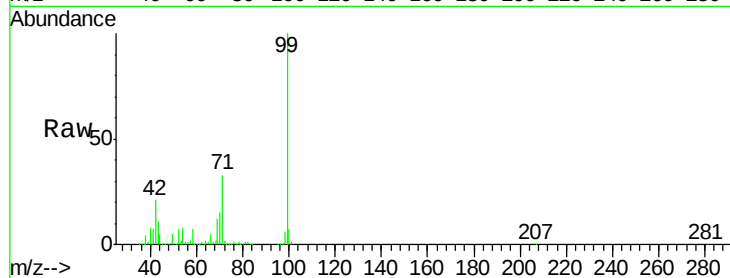
Tgt Ion: 99 Resp: 1318757

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

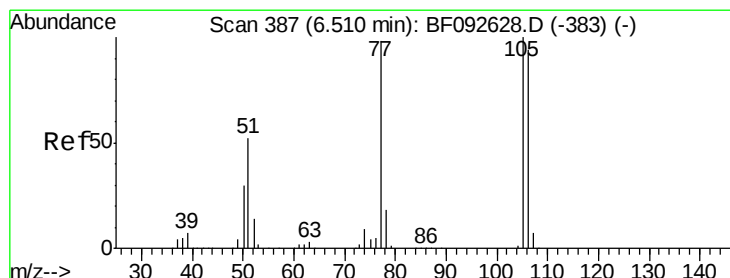
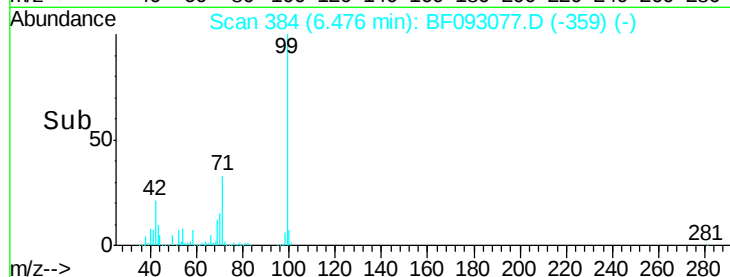
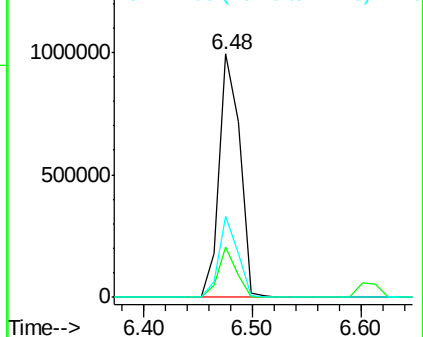
71 33.2 27.5 41.3



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



#9

Benzaldehyde

Concen: 3.06 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.22 min

Lab File: BF093077.D

Acq: 22 Feb 2017 16:06

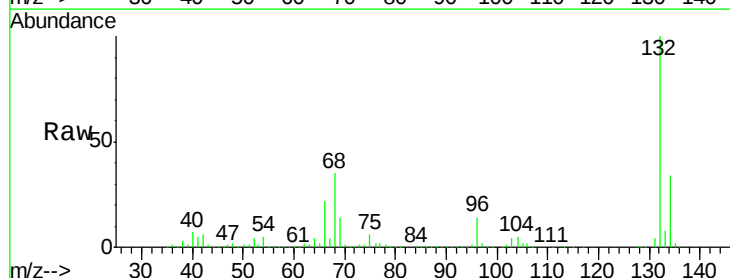
Tgt Ion: 77 Resp: 23451

Ion Ratio Lower Upper

77 100

105 87.1 83.9 123.9

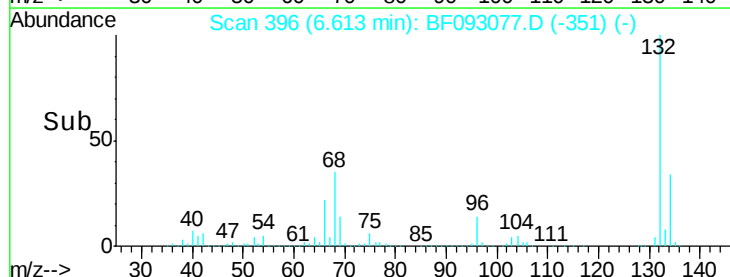
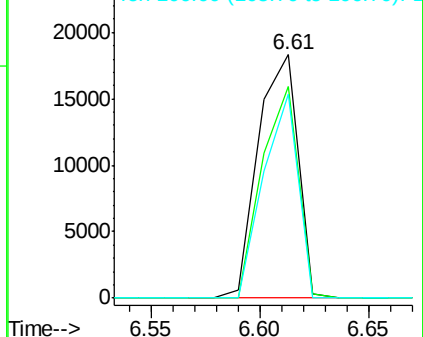
106 83.8 77.6 117.6

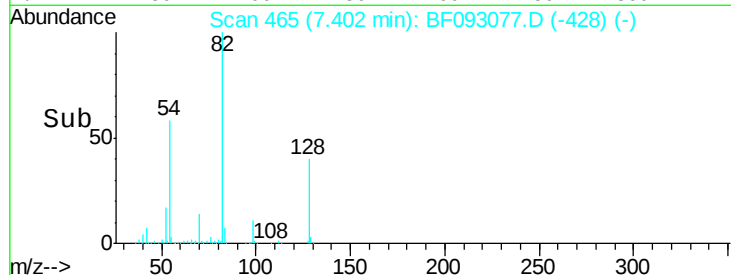
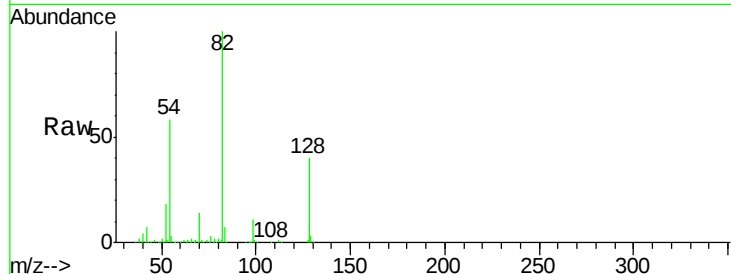


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

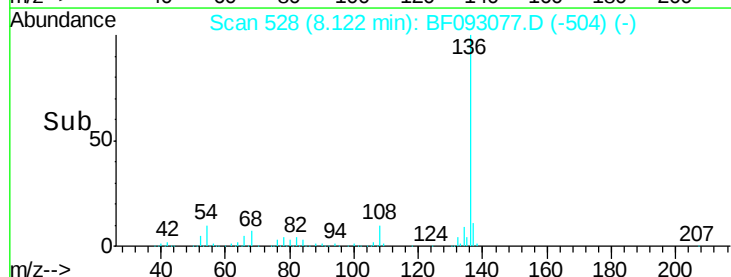
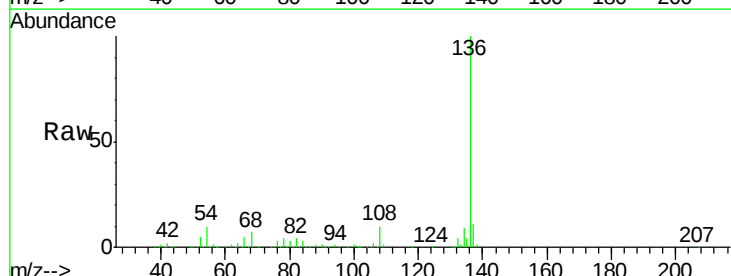
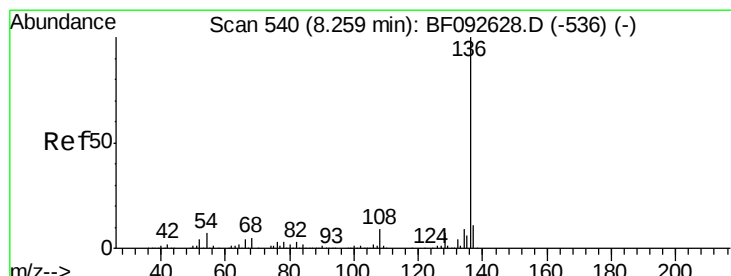
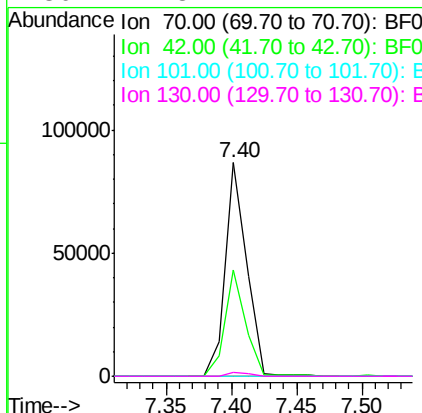




#19
n-Nitroso-di-n-propylamine
Concen: 14.49 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093077.D
Acq: 22 Feb 2017 16:06

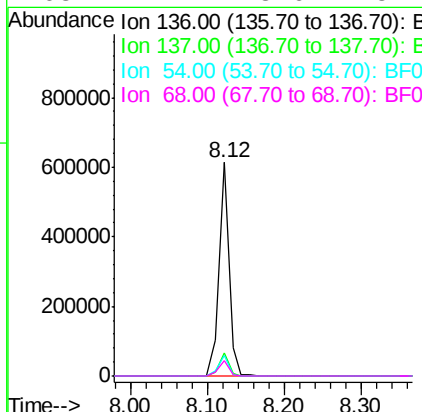
Instrument :
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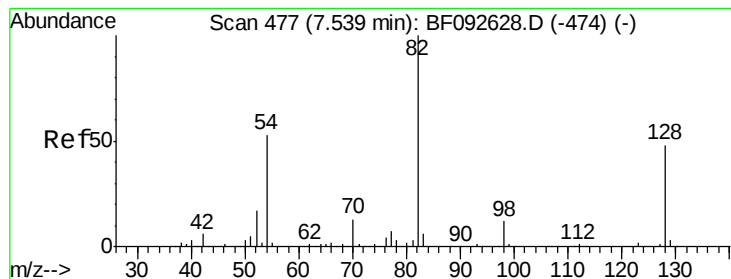
Tgt Ion:	70	Resp:	98704
Ion	Ratio	Lower	Upper
70	100		
42	49.6	49.4	74.0
101	0.0	7.4	11.2#
130	1.8	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093077.D
Acq: 22 Feb 2017 16:06

Tgt Ion:	136	Resp:	560478
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	9.8	4.5	6.7#
68	7.2	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 76.36 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093077.D

Acq: 22 Feb 2017 16:06

Instrument :

BNA_F

ClientSampleId :

PB97102TB

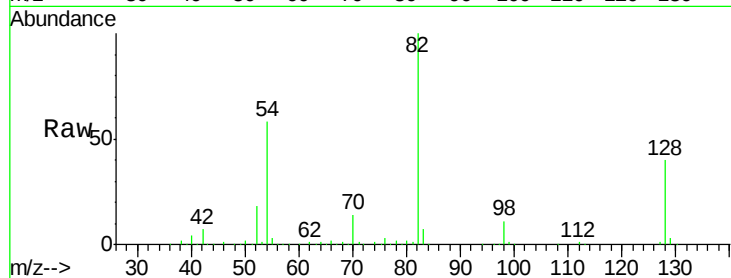
Tgt Ion: 82 Resp: 768496

Ion Ratio Lower Upper

82 100

128 40.4 34.6 52.0

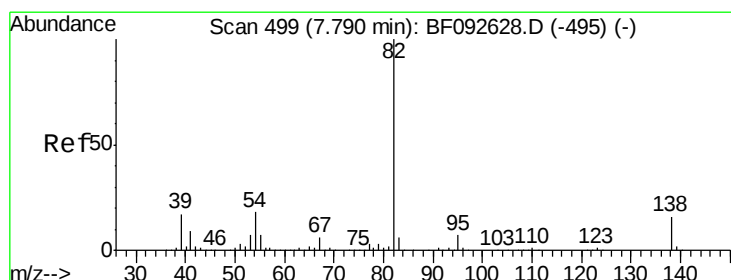
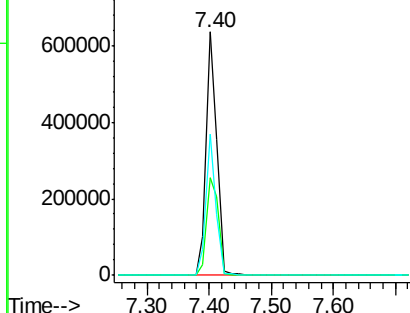
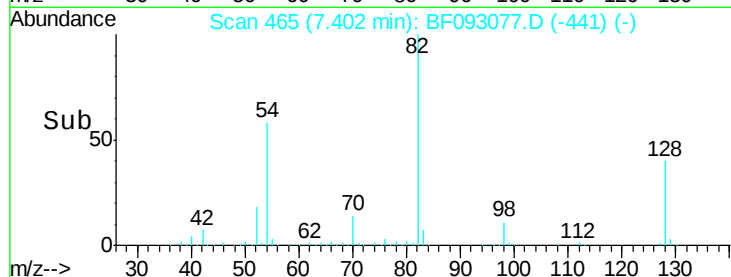
54 58.1 39.5 59.3



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: 37.32 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093077.D

Acq: 22 Feb 2017 16:06

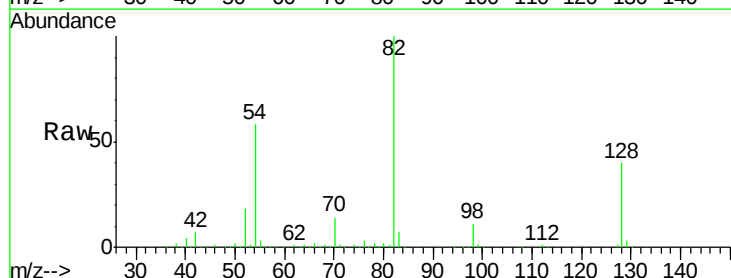
Tgt Ion: 82 Resp: 699849

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

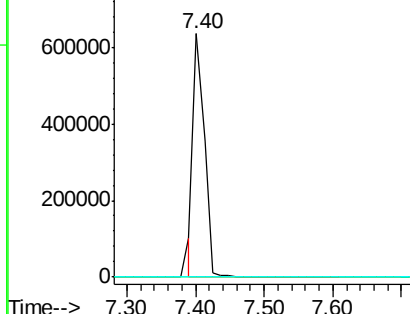
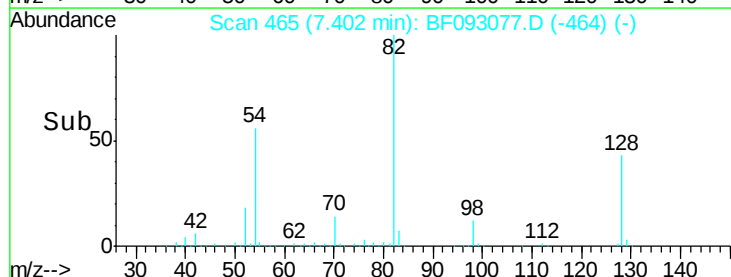
138 0.0 14.6 22.0#



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

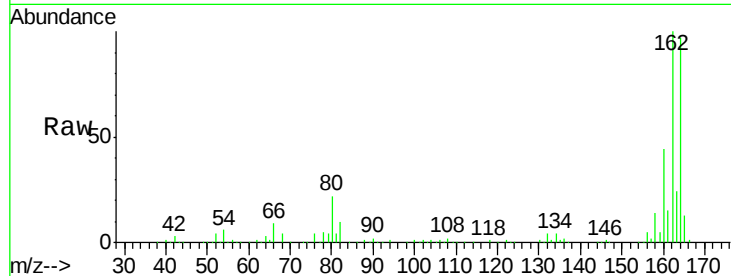




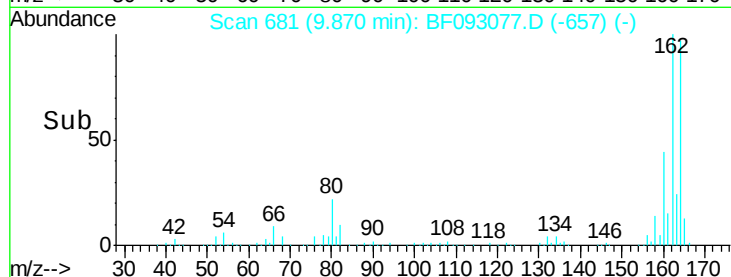
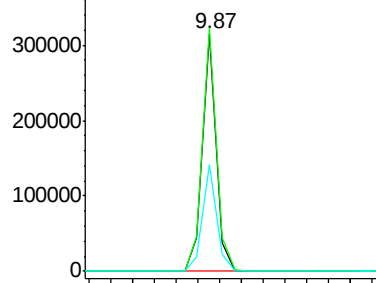
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF093077.D
Acq: 22 Feb 2017 16:06

Instrument :
BNA_F
ClientSampleId :
PB97102TB

Tgt Ion:164 Resp: 275772
Ion Ratio Lower Upper
164 100
162 102.6 80.2 120.2
160 44.9 36.9 55.3

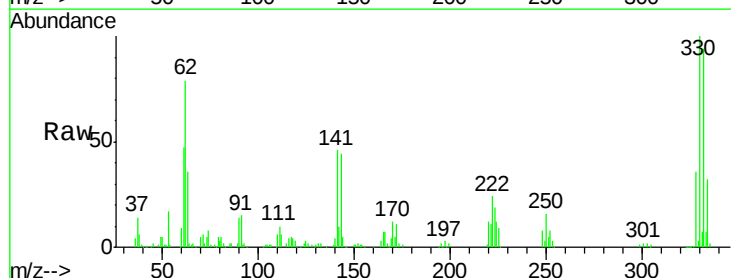


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

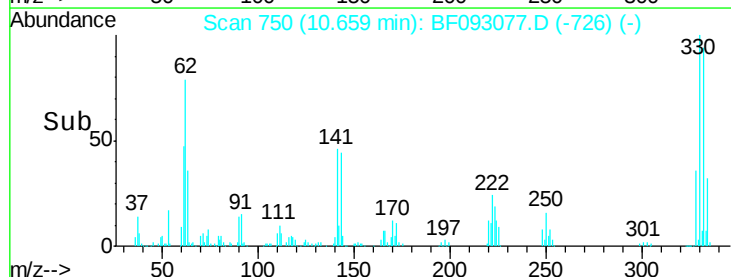
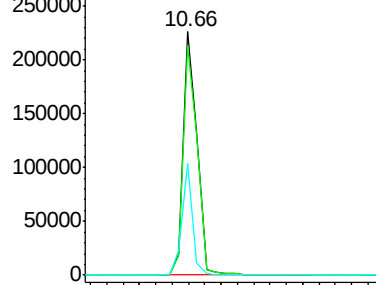


#41
2,4,6-Tribromophenol
Concen: 134.60 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF093077.D
Acq: 22 Feb 2017 16:06

Tgt Ion:330 Resp: 268476
Ion Ratio Lower Upper
330 100
332 95.6 77.4 116.2
141 36.7 34.1 51.1



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

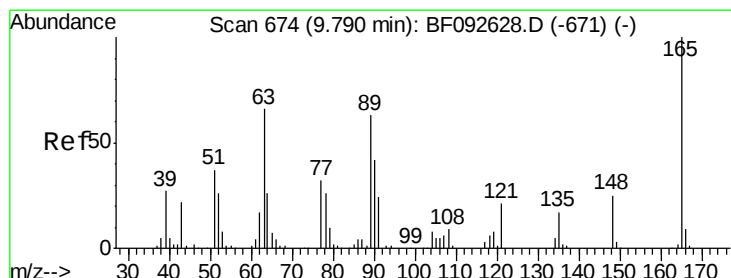
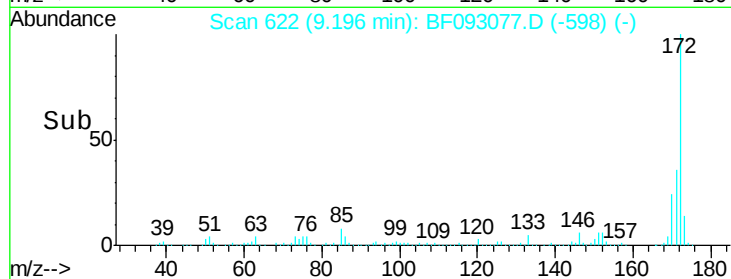
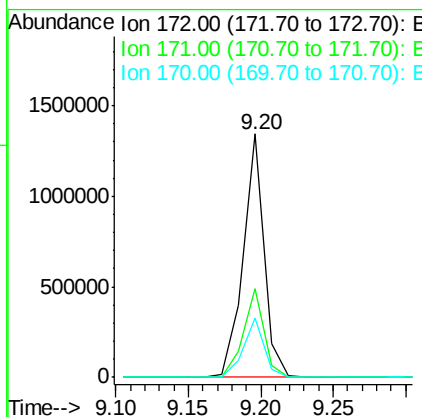
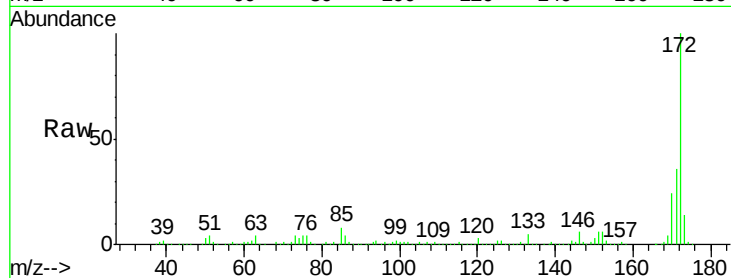




#44
 2-Fluorobiphenyl
 Concen: 88.20 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093077.D
 Acq: 22 Feb 2017 16:06

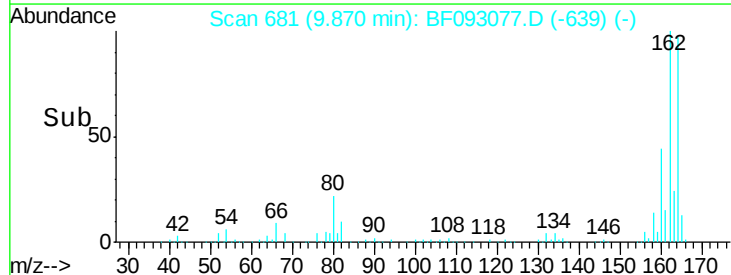
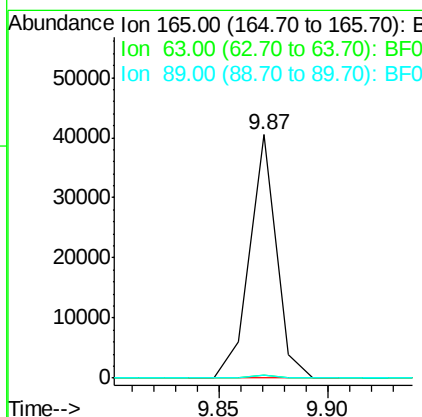
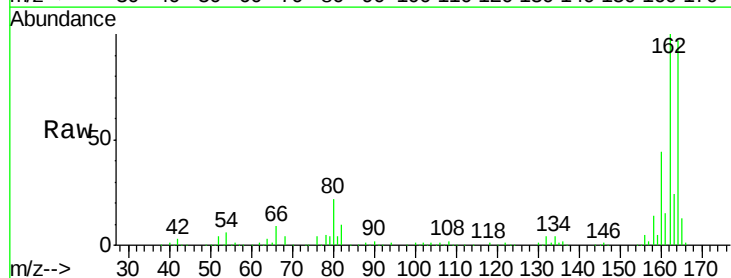
Instrument :
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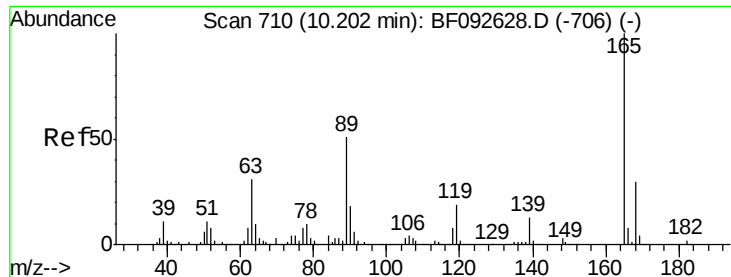
Tgt Ion:172 Resp: 1342527
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.4 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 8.63 ng
 RT: 9.87 min Scan# 681
 Delta R.T. 0.18 min
 Lab File: BF093077.D
 Acq: 22 Feb 2017 16:06

Tgt Ion:165 Resp: 34611
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.2 54.4#
 89 1.4 40.2 60.4#

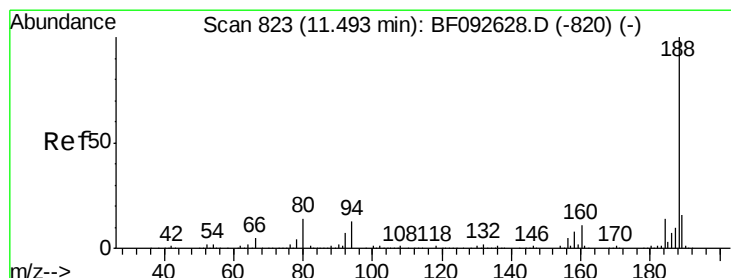
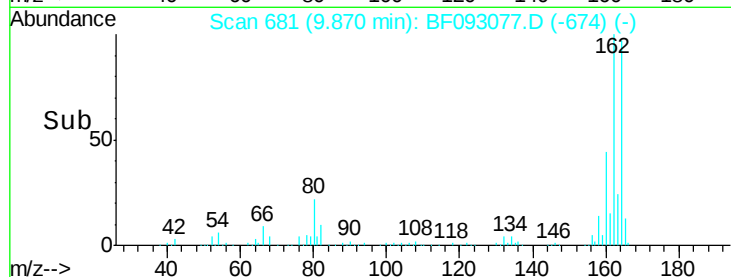
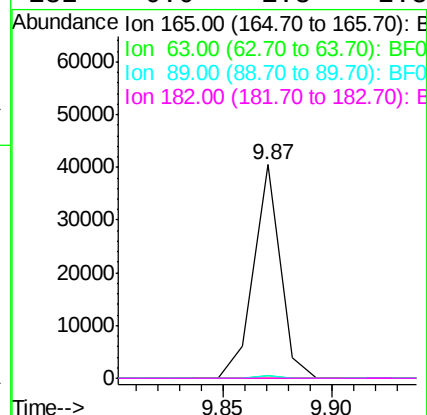
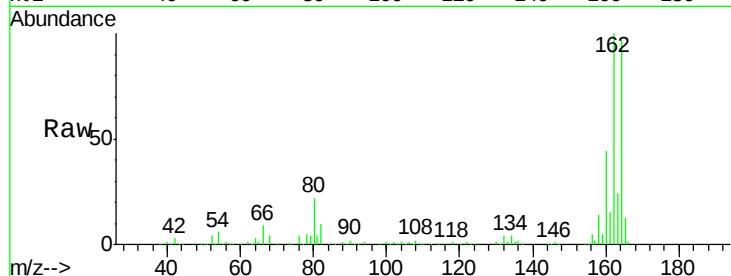




#56
 2,4-Dinitrotoluene
 Concen: 6.48 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093077.D
 Acq: 22 Feb 2017 16:06

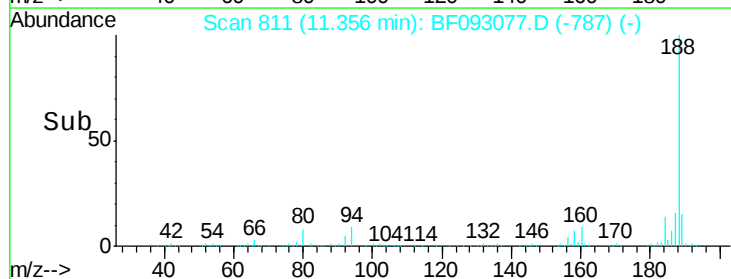
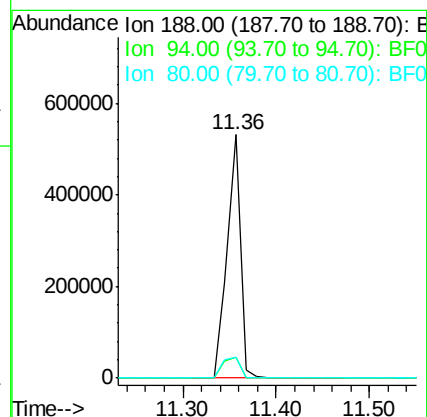
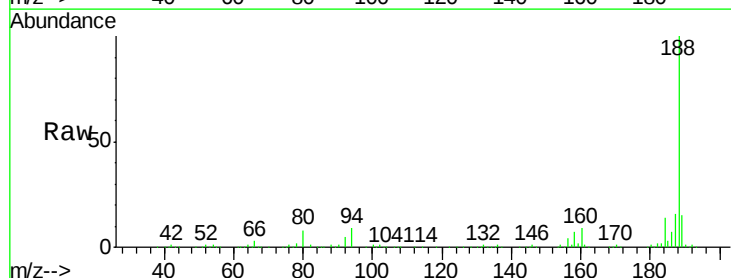
Instrument :
 BNA_F
 ClientSampleId :
 PB97102TB

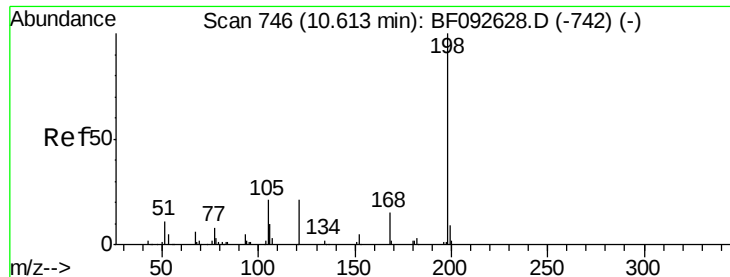
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.2	60.4#
89	1.4	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093077.D
 Acq: 22 Feb 2017 16:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	10.0	15.0#
80	8.4	11.2	16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.81 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.16 min

Lab File: BF093077.D

Acq: 22 Feb 2017 16:06

Instrument :

BNA_F

ClientSampleId :

PB97102TB

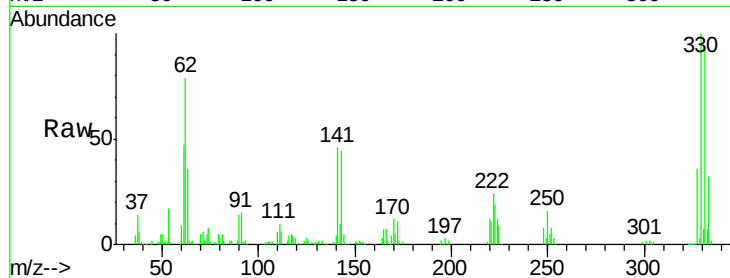
Tgt Ion:198 Resp: 467

Ion Ratio Lower Upper

198 100

51 239.5 6.7 46.7#

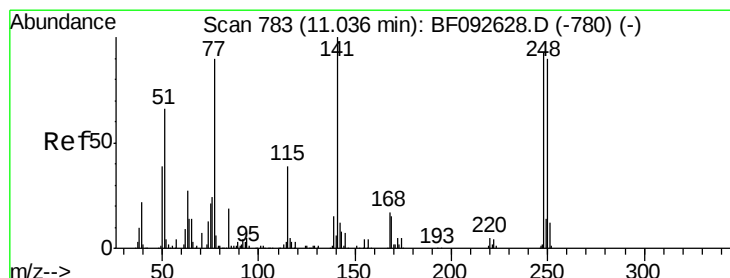
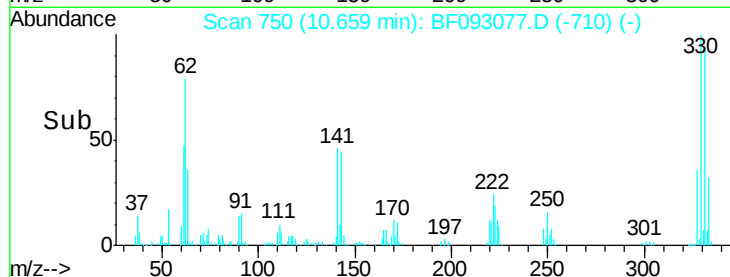
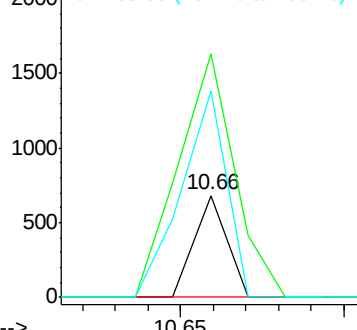
105 203.2 16.6 56.6#



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: 3.29 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.26 min

Lab File: BF093077.D

Acq: 22 Feb 2017 16:06

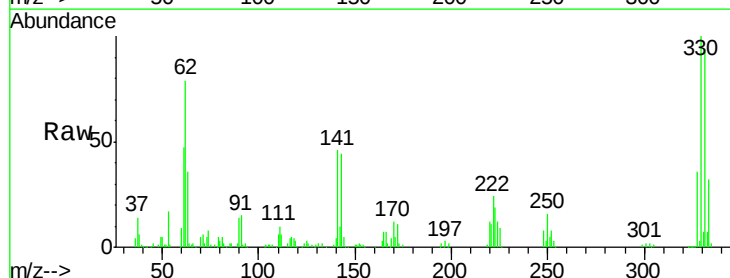
Tgt Ion:248 Resp: 18170

Ion Ratio Lower Upper

248 100

250 197.6 76.9 115.3#

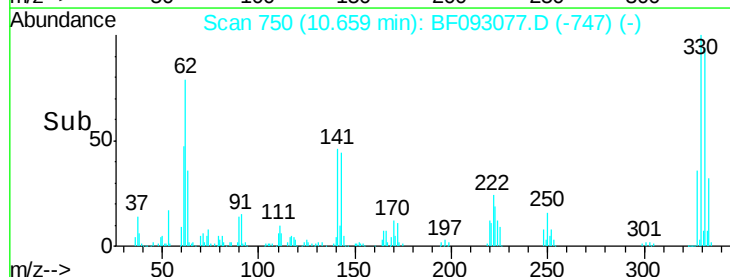
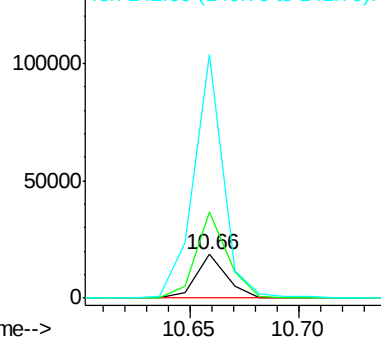
141 554.6 68.2 102.4#

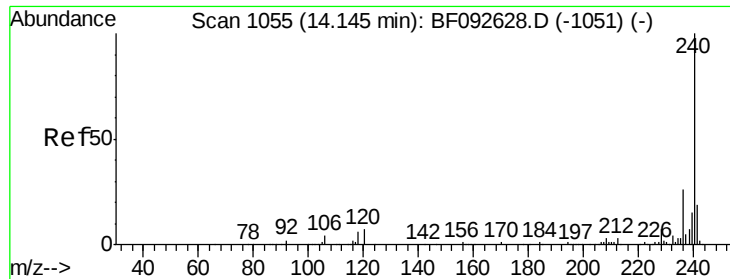


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

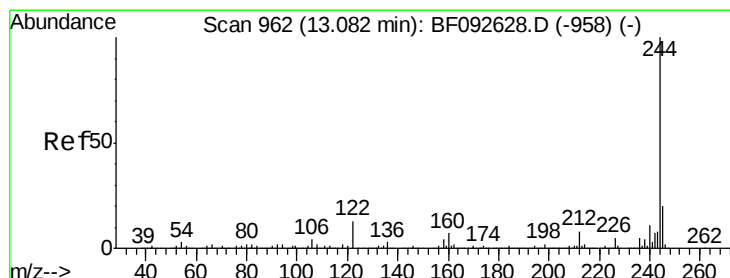
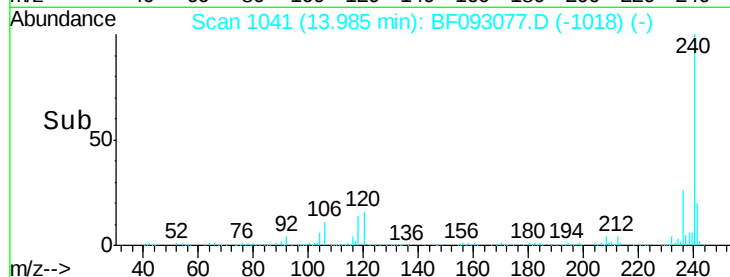
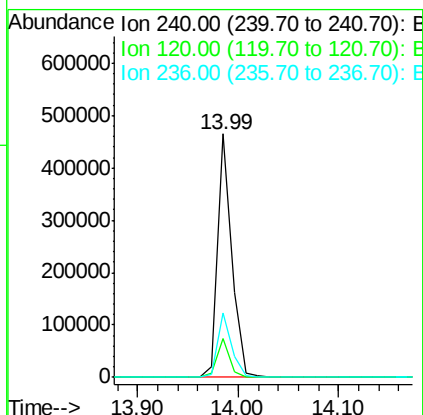
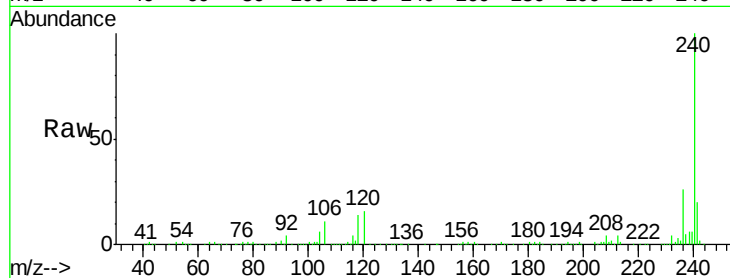




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.03 min
Lab File: BF093077.D
Acq: 22 Feb 2017 16:06

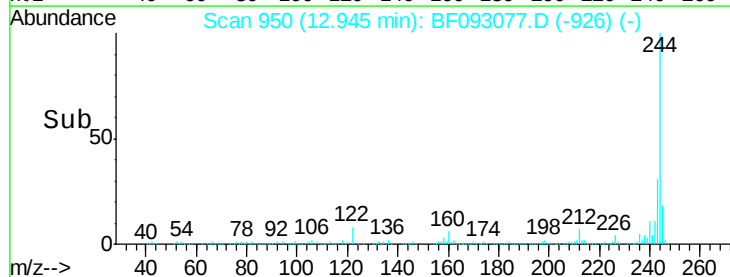
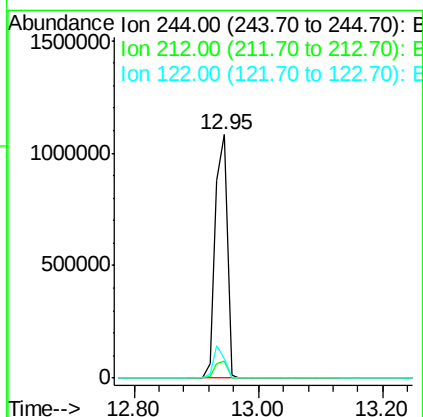
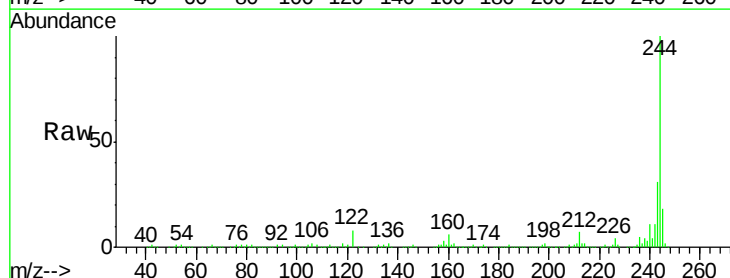
Instrument :
BNA_F
ClientSampleId :
PB97102TB

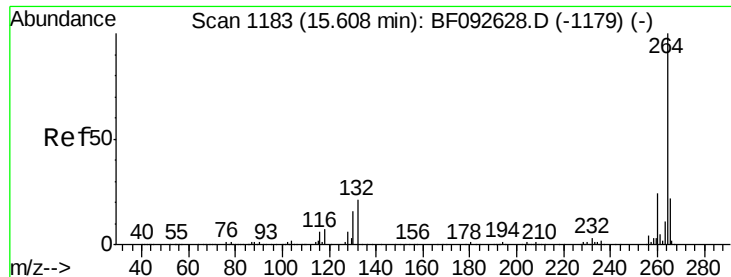
Tgt Ion:240 Resp: 454991
Ion Ratio Lower Upper
240 100
120 15.9 12.9 19.3
236 26.3 20.9 31.3



#78
Terphenyl-d14
Concen: 72.68 ng
RT: 12.95 min Scan# 950
Delta R.T. -0.02 min
Lab File: BF093077.D
Acq: 22 Feb 2017 16:06

Tgt Ion:244 Resp: 1407397
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.2
122 8.0 11.4 17.2#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093077.D
Acq: 22 Feb 2017 16:06

Instrument :
BNA_F
ClientSampleId :
PB97102TB

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.1	17.4	26.0

