

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062216\
 Data File : BF088256.D
 Acq On : 22 Jun 2016 18:22
 Operator : UM/SJ
 Sample : H3514-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5-B2(8-15)C

Quant Time: Jun 22 18:58:13 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	85768	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	372798	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	174122	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	328694	20.00	ng	0.00
75) Chrysene-d12	13.75	240	273714	20.00	ng	0.00
86) Perylene-d12	15.11	264	193072	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	775712	154.62	ng	0.02
7) Phenol-d6	6.26	99	891047	146.55	ng	0.00
23) Nitrobenzene-d5	7.18	82	557951	87.40	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	238551	129.75	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	990123	89.63	ng	0.00
78) Terphenyl-d14	12.70	244	849444	70.62	ng	0.00

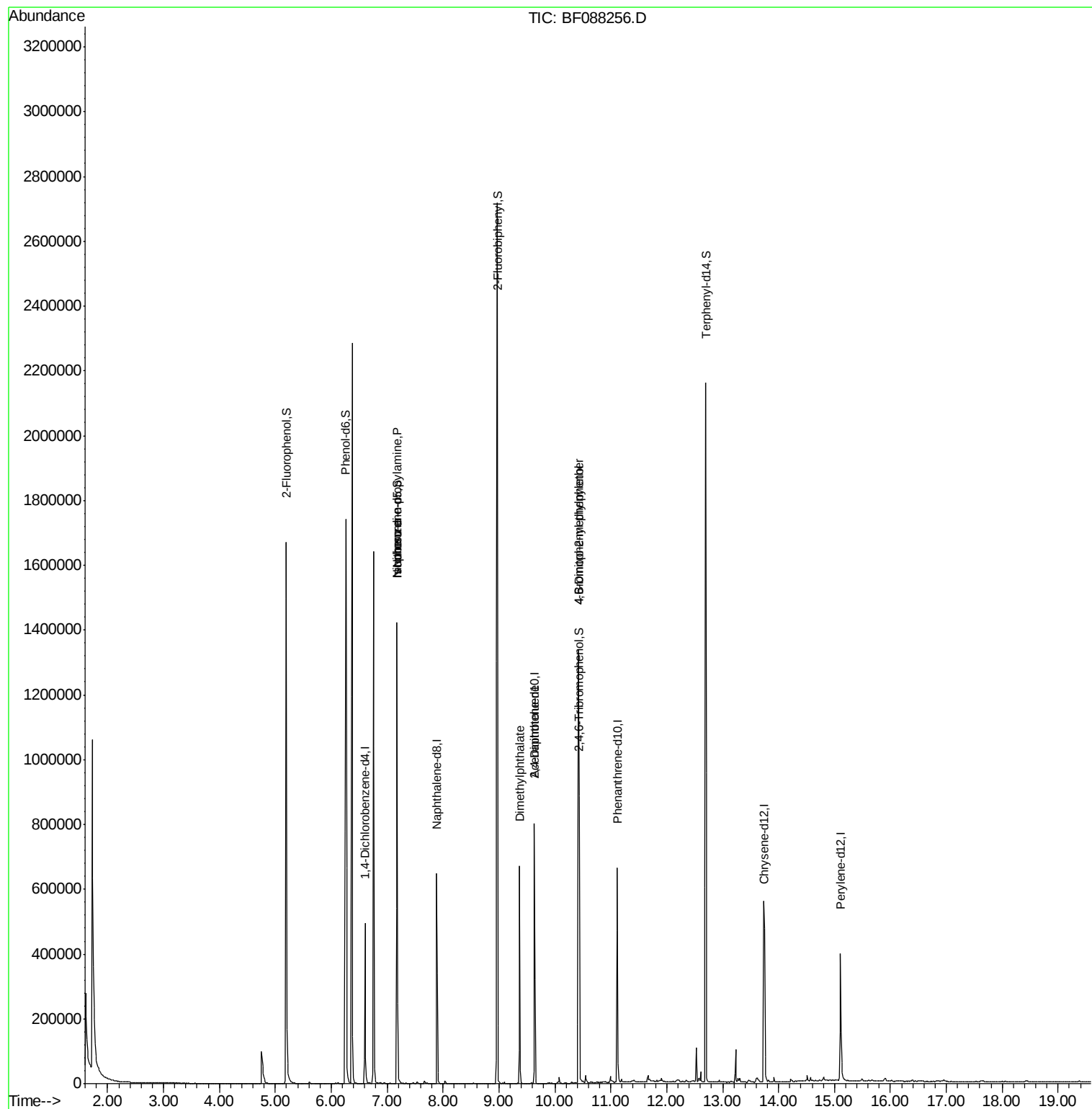
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.27	94	5804	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.18	70	72308	18.59	ng	70
25) Isophorone	7.18	82	557939	47.18	ng	65
45) 1,1'-Biphenyl	8.97	154	1972	Below Cal	#	1
49) Dimethylphthalate	9.37	163	276264	21.90	ng	99
56) 2,4-Dinitrotoluene	9.63	165	22413	6.04	ng	37
57) Fluorene	10.42	166	10185	Below Cal	#	92
64) 4,6-Dinitro-2-methylphenol	10.42	198	280	2.29	ng	1
66) 4-Bromophenyl-phenylether	10.42	248	14303	4.06	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: BF088256.D

Acq: 22 Jun 2016 18:22

Instrument :

BNA_F

ClientSampleId :

S5-B2(8-15)C

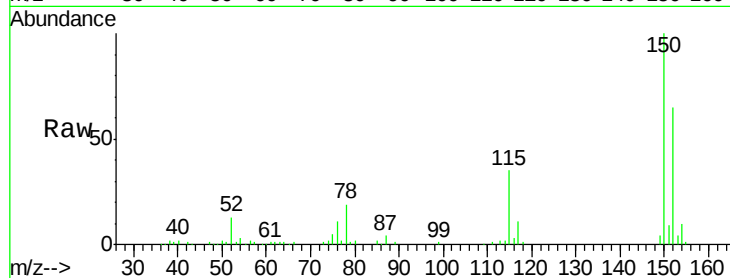
Tgt Ion:152 Resp: 85768

Ion Ratio Lower Upper

152 100

150 154.0 123.8 185.6

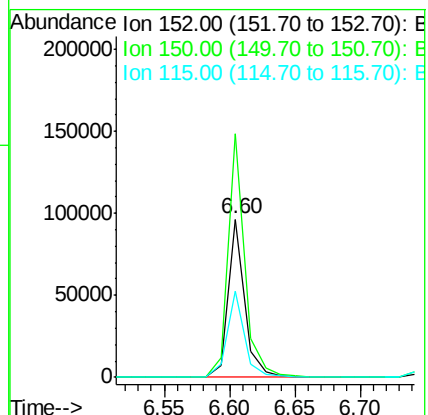
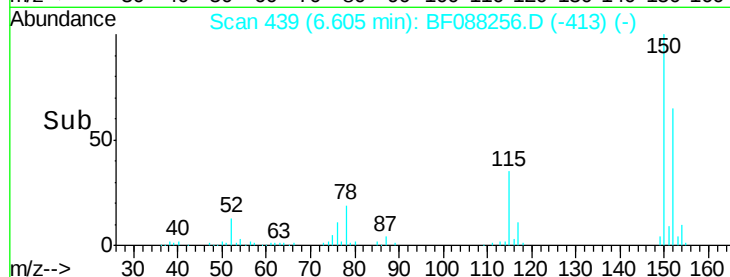
115 54.4 39.6 59.4



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: 154.62 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.02 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

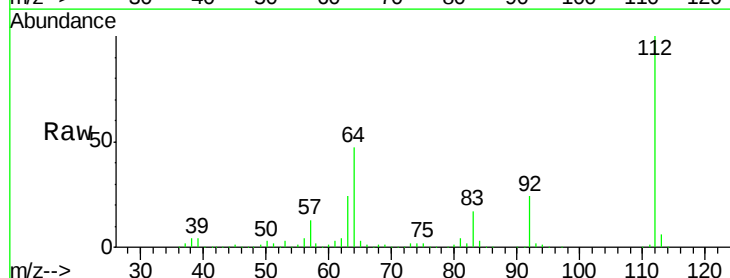
Tgt Ion:112 Resp: 775712

Ion Ratio Lower Upper

112 100

64 46.6 42.2 63.2

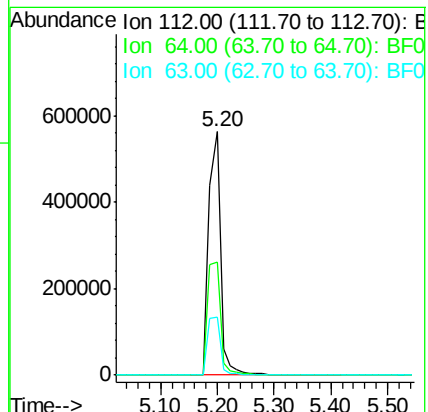
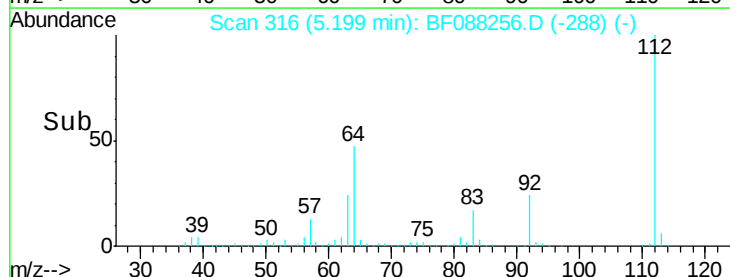
63 24.0 21.8 32.8

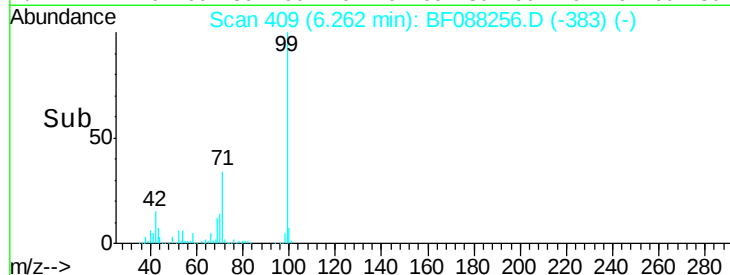
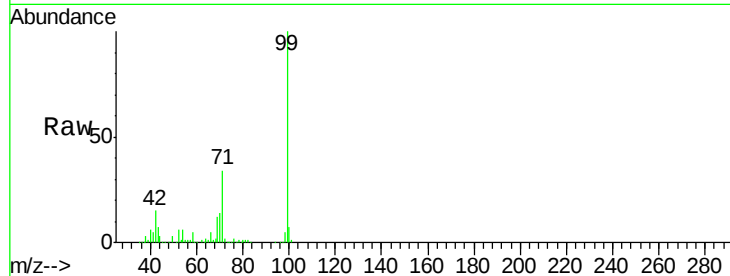


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.55 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

Instrument :

BNA_F

ClientSampleId :

S5-B2(8-15)C

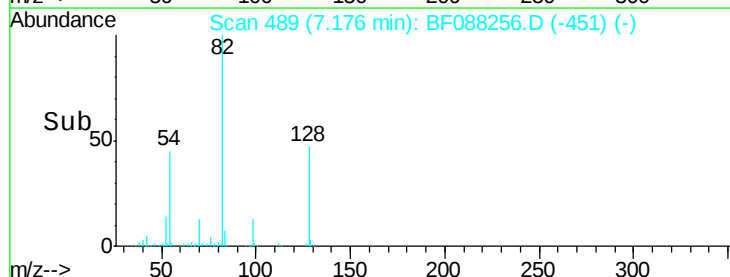
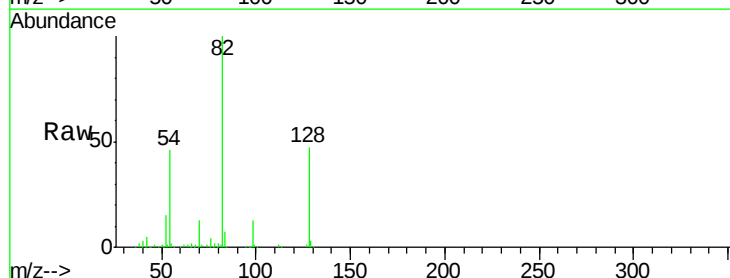
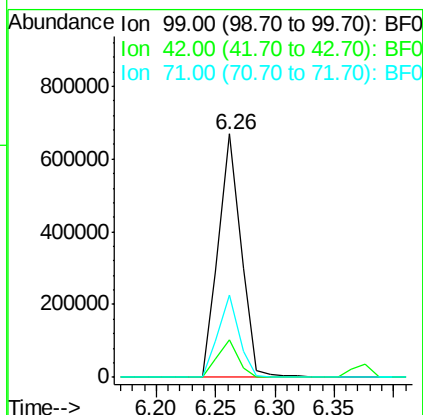
Tgt Ion: 99 Resp: 891047

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 34.1 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.59 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.14 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

Tgt Ion: 70 Resp: 72308

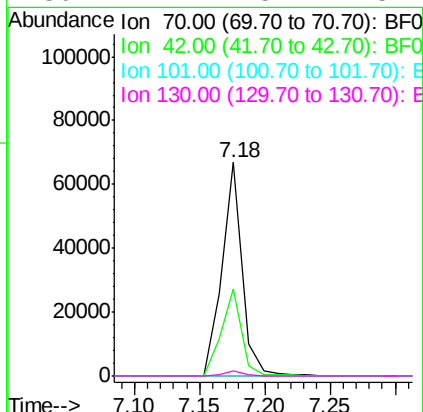
Ion Ratio Lower Upper

70 100

42 40.6 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 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: BF088256.D

Acq: 22 Jun 2016 18:22

Instrument :

BNA_F

ClientSampleId :

S5-B2(8-15)C

Tgt Ion:136 Resp: 372798

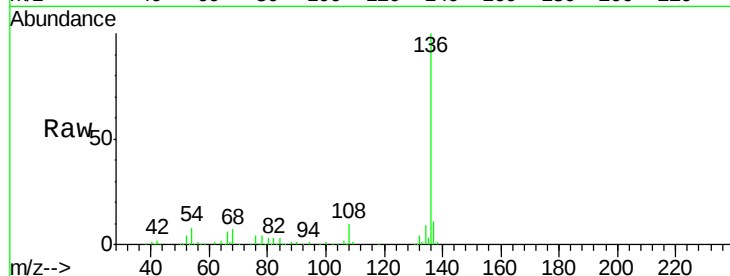
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 8.0 6.6 10.0

68 6.5 5.1 7.7

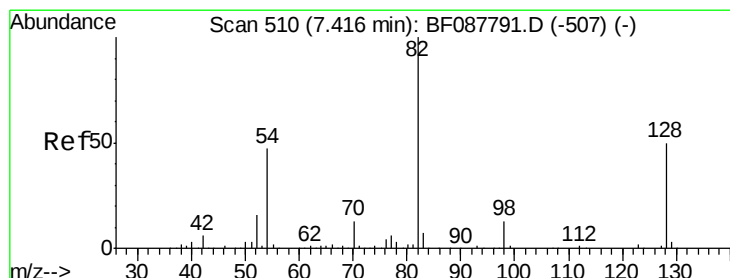
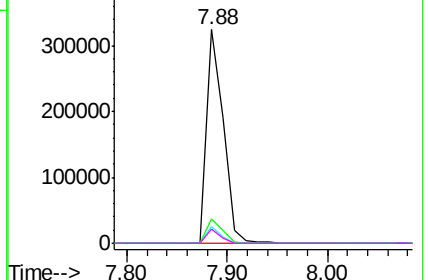
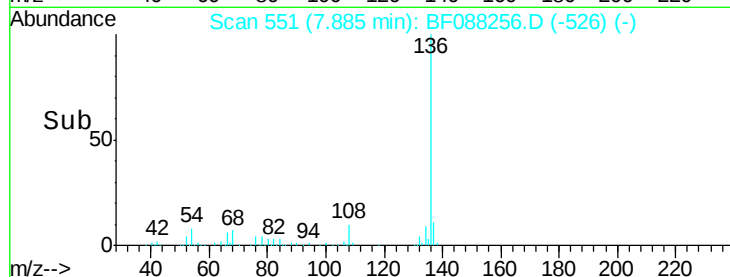


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.40 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

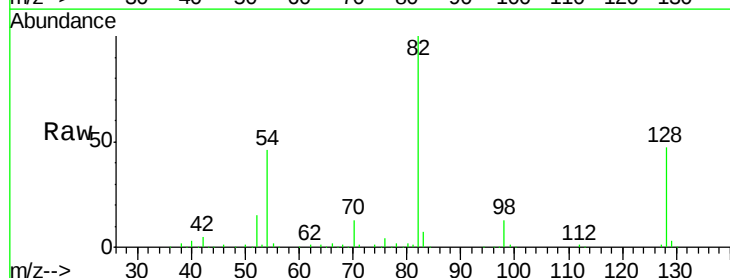
Tgt Ion: 82 Resp: 557951

Ion Ratio Lower Upper

82 100

128 47.3 35.9 53.9

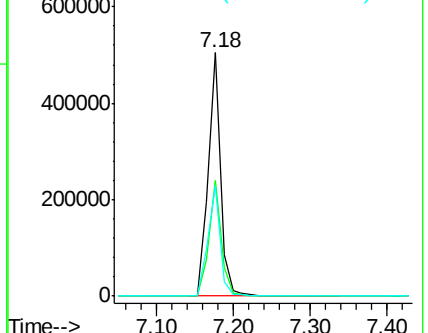
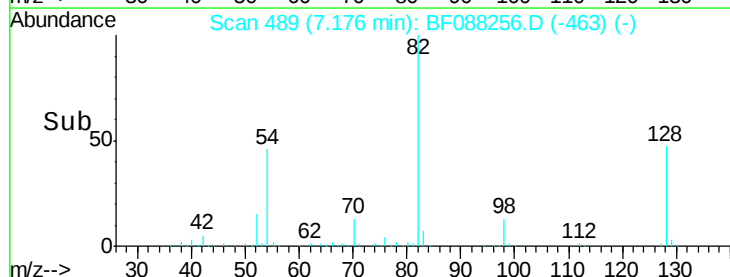
54 45.5 40.9 61.3

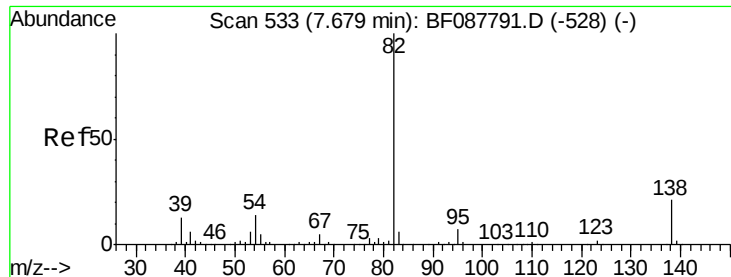


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.18 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

Instrument :

BNA_F

ClientSampleId :

S5-B2(8-15)C

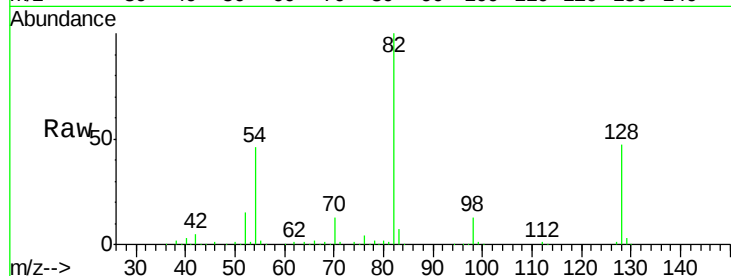
Tgt Ion: 82 Resp: 557939

Ion Ratio Lower Upper

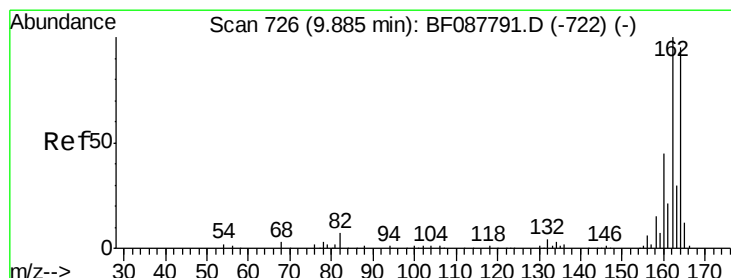
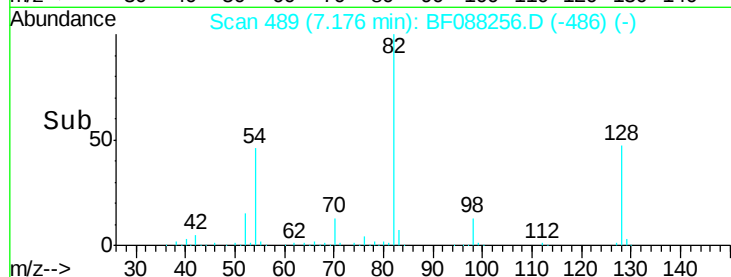
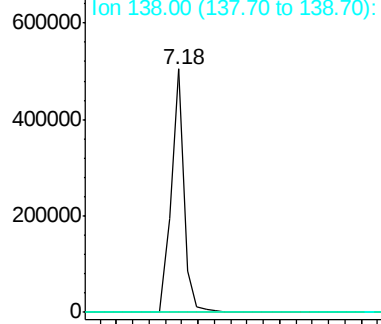
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF087791.D (-528) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

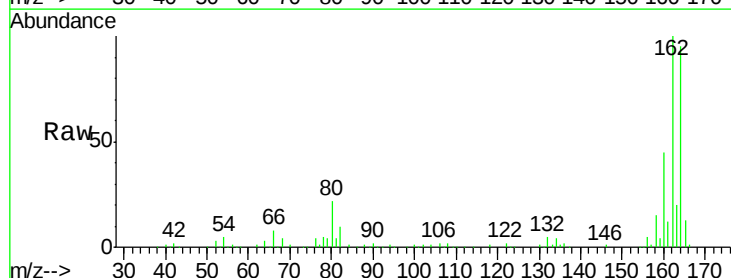
Tgt Ion: 164 Resp: 174122

Ion Ratio Lower Upper

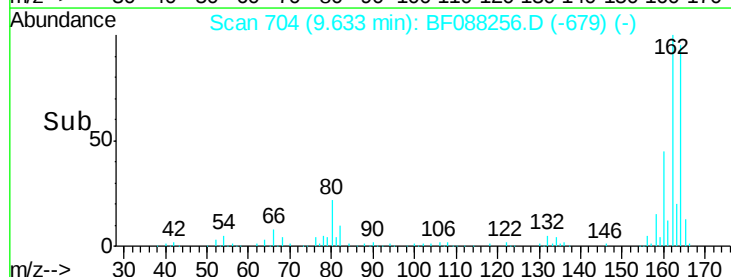
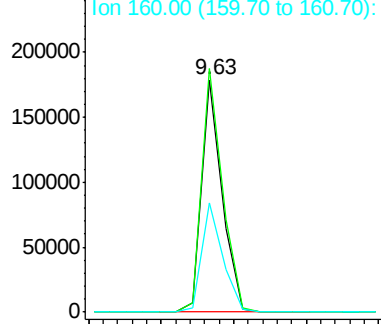
164 100

162 104.8 85.4 128.2

160 46.8 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): BF087791.D (-722) (-)

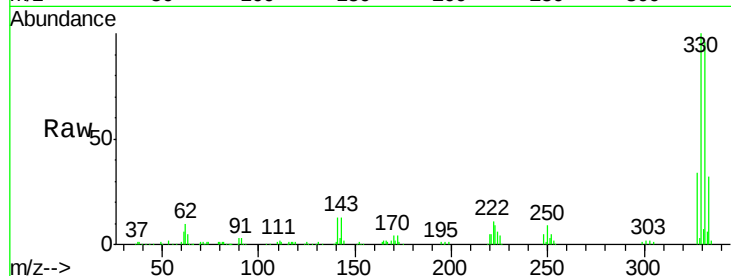




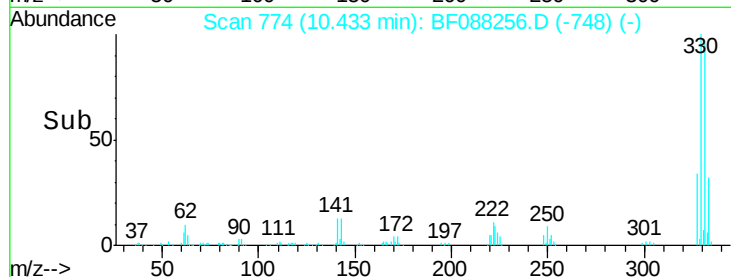
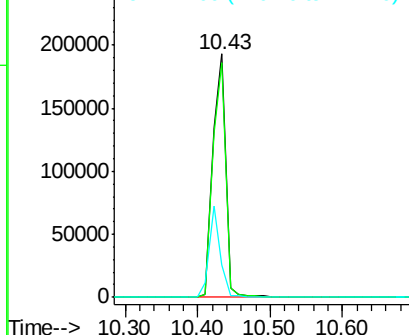
#41
 2,4,6-Tribromophenol
 Concen: 129.75 ng
 RT: 10.43 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF088256.D
 Acq: 22 Jun 2016 18:22

Instrument :
 BNA_F
 ClientSampleId :
 S5-B2(8-15)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	32.5	0.0	0.0#

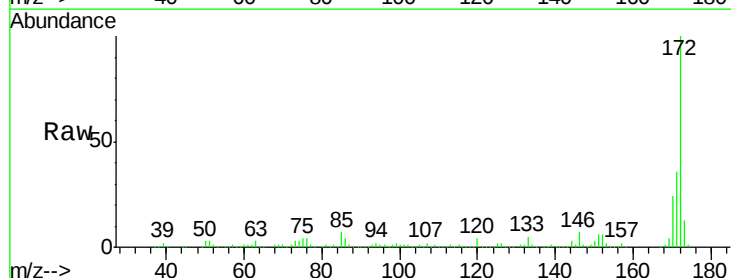


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

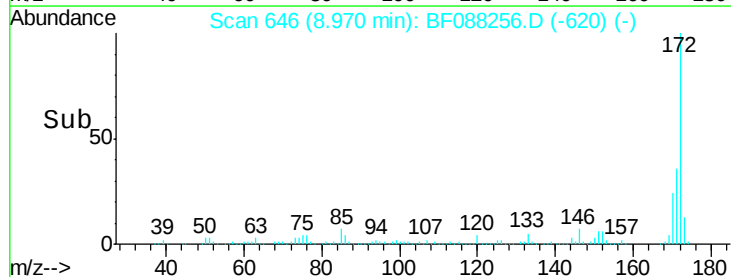
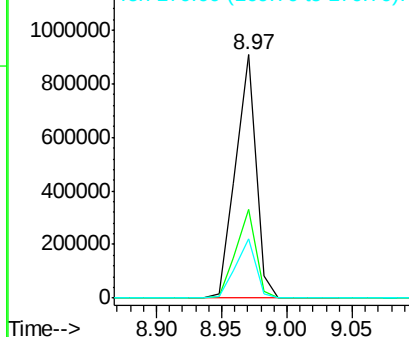


#44
 2-Fluorobiphenyl
 Concen: 89.63 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088256.D
 Acq: 22 Jun 2016 18:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	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: 8.97 min Scan# 646

Delta R.T. -0.10 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

Instrument :

BNA_F

ClientSampleId :

S5-B2(8-15)C

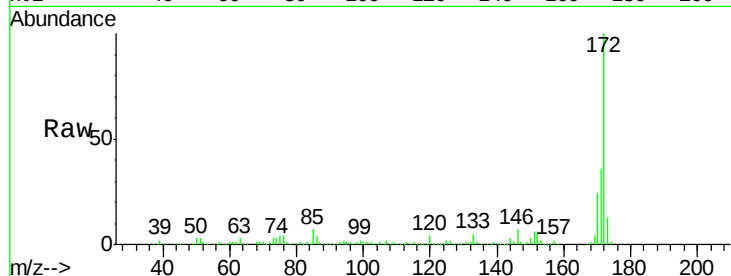
Tgt Ion:154 Resp: 1972

Ion Ratio Lower Upper

154 100

153 975.1 20.6 60.6#

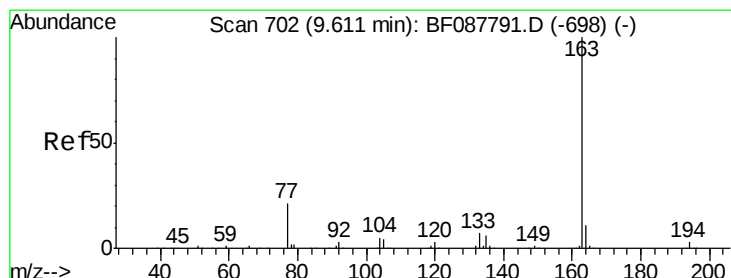
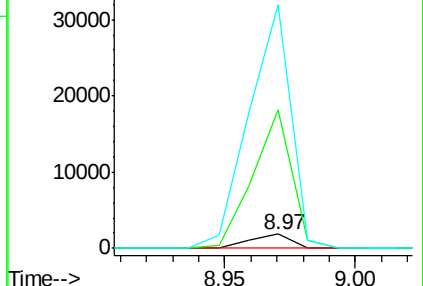
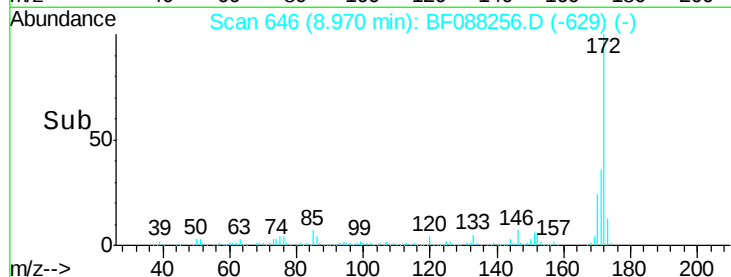
76 1705.1 0.0 35.1#



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: 21.90 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

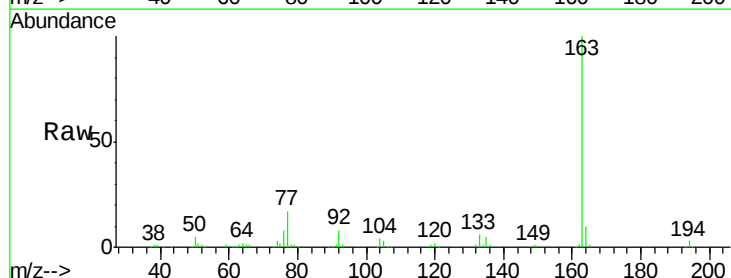
Tgt Ion:163 Resp: 276264

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

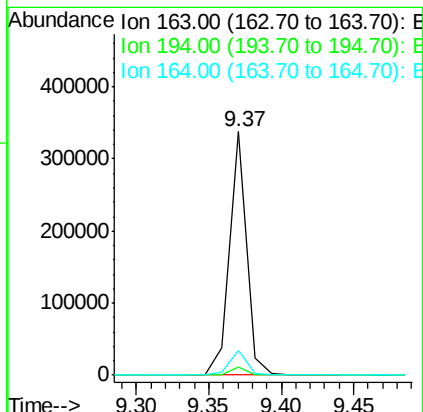
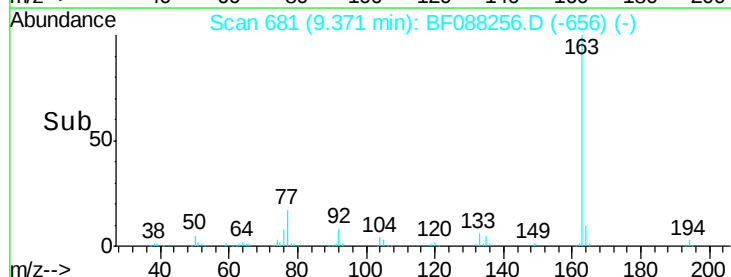
164 9.9 8.3 12.5



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

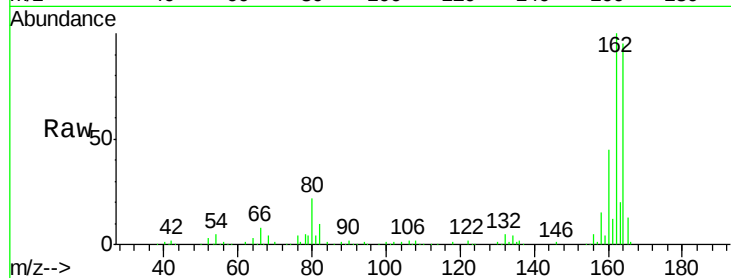




#56
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.22 min
Lab File: BF088256.D
Acq: 22 Jun 2016 18:22

Instrument :
BNA_F
ClientSampleId :
S5-B2(8-15)C

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#

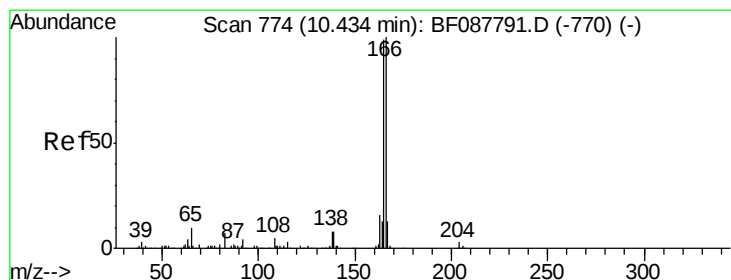
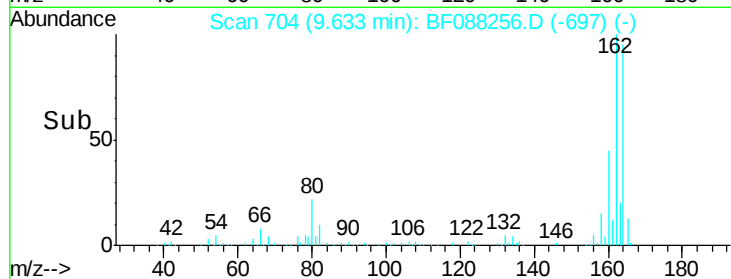
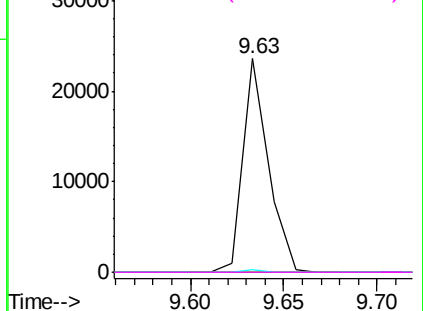


Abundance Ion 165.00 (164.70 to 165.70): E

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



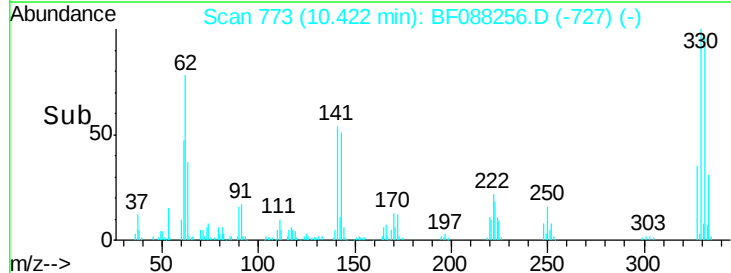
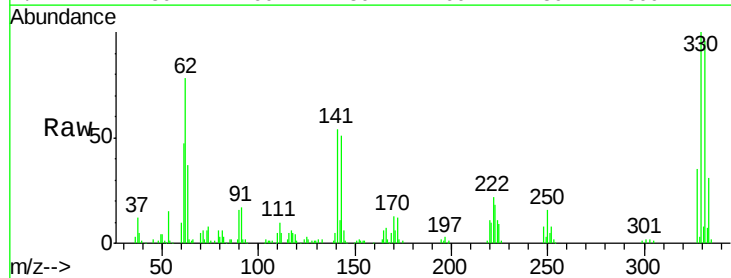
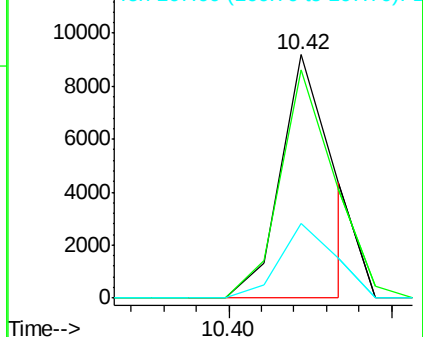
#57
Fluorene
Concen: Below Cal
RT: 10.42 min Scan# 773
Delta R.T. 0.23 min
Lab File: BF088256.D
Acq: 22 Jun 2016 18:22

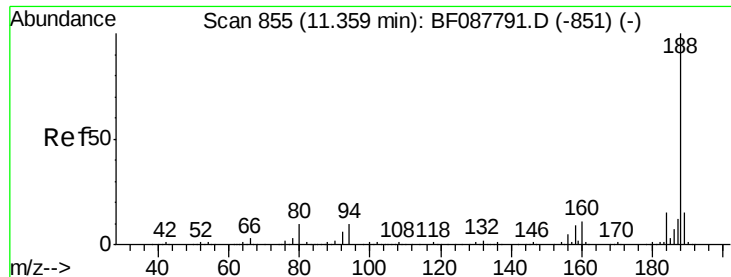
Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.9	77.8	116.8
167	30.9	11.2	16.8#

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

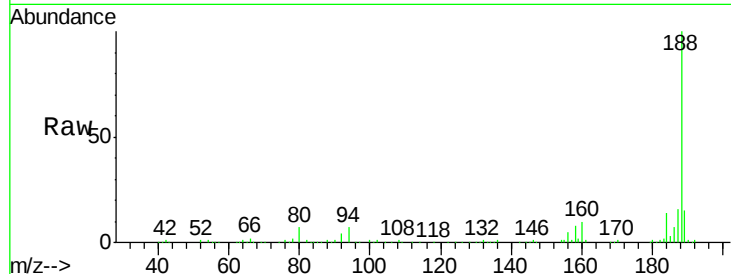




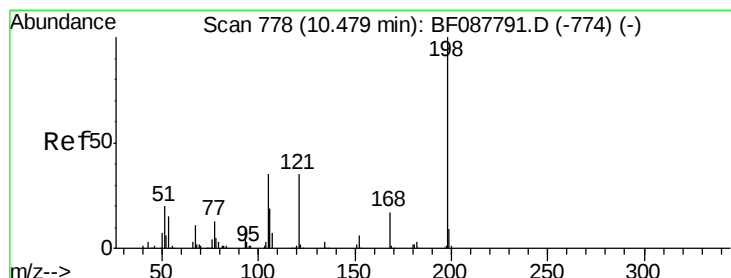
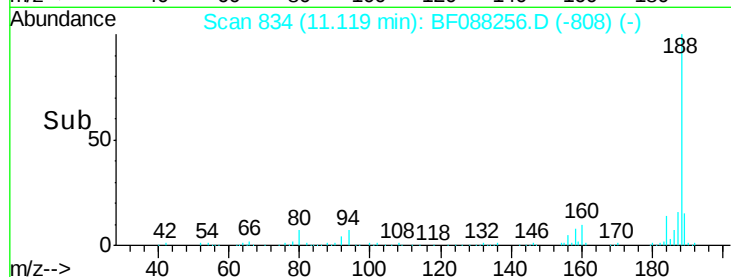
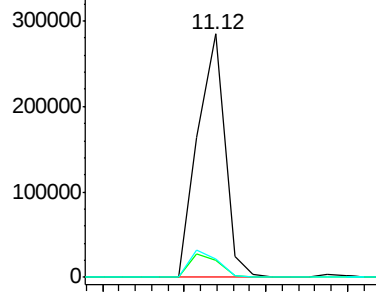
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088256.D
Acq: 22 Jun 2016 18:22

Instrument :
BNA_F
ClientSampleId :
S5-B2(8-15)C

Tgt Ion:188 Resp: 328694
Ion Ratio Lower Upper
188 100
94 7.1 9.0 13.6#
80 7.4 10.0 15.0#

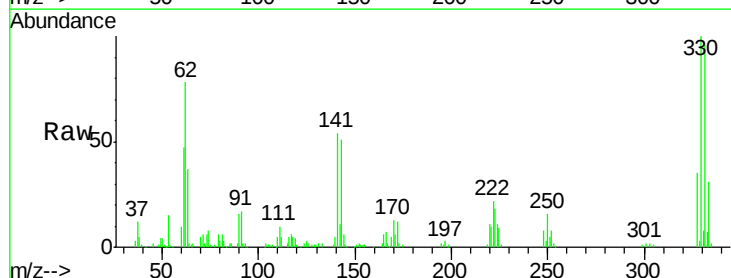


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

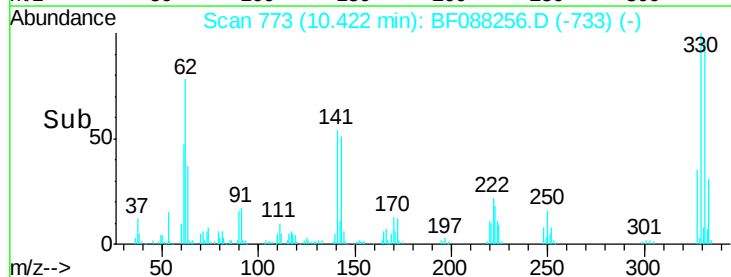
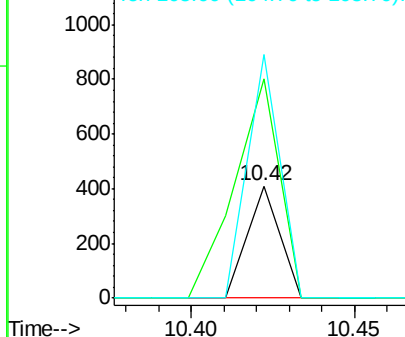


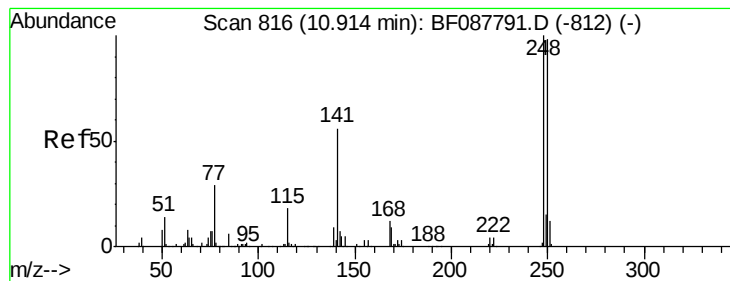
#64
4,6-Dinitro-2-methylphenol
Concen: 2.29 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.16 min
Lab File: BF088256.D
Acq: 22 Jun 2016 18:22

Tgt Ion:198 Resp: 280
Ion Ratio Lower Upper
198 100
51 196.6 39.6 79.6#
105 217.8 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: 4.06 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

Instrument :

BNA_F

ClientSampleId :

S5-B2(8-15)C

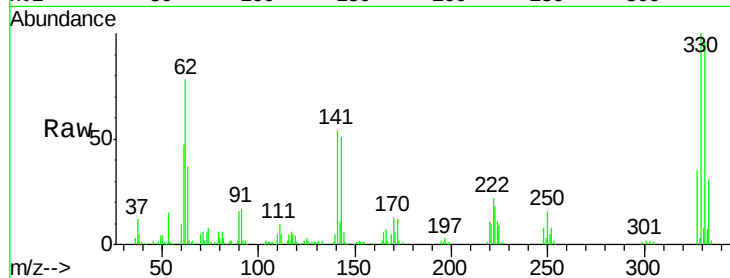
Tgt Ion:248 Resp: 14303

Ion Ratio Lower Upper

248 100

250 197.8 77.1 115.7#

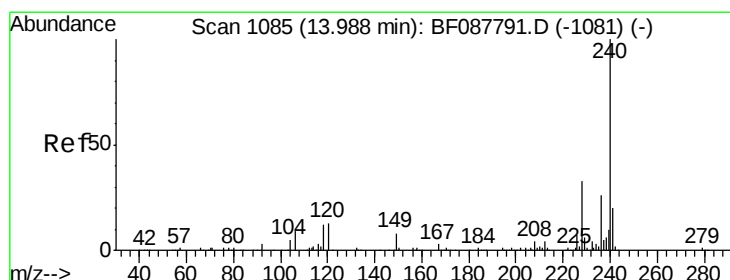
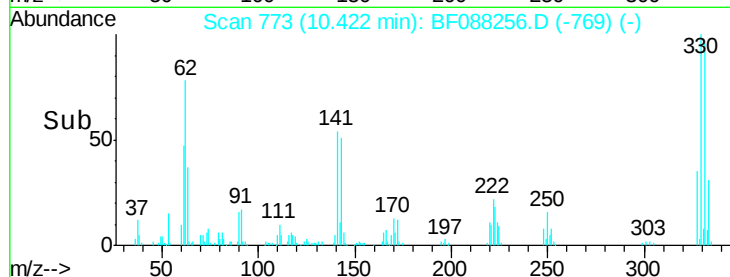
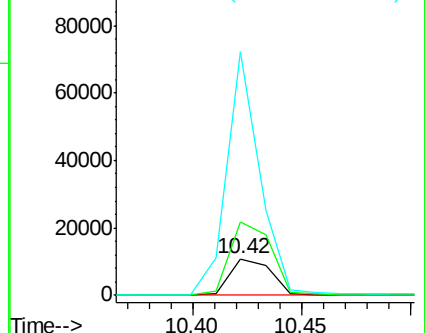
141 661.7 50.6 76.0#



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: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF088256.D

Acq: 22 Jun 2016 18:22

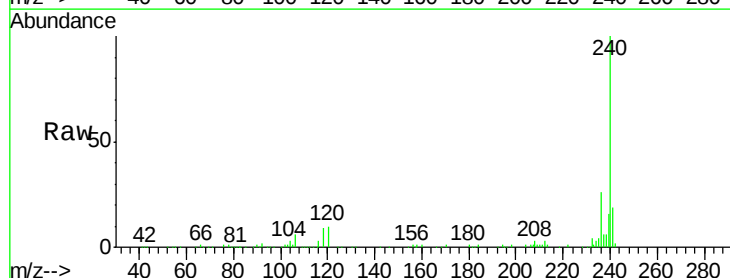
Tgt Ion:240 Resp: 273714

Ion Ratio Lower Upper

240 100

120 9.6 6.8 10.2

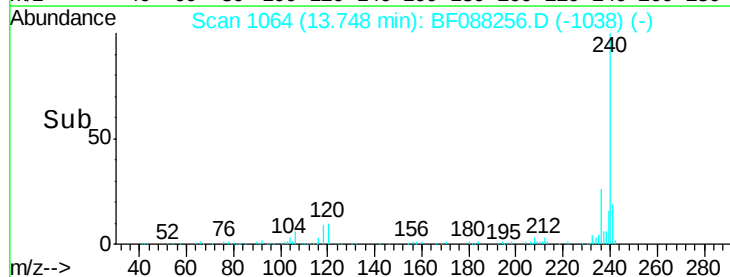
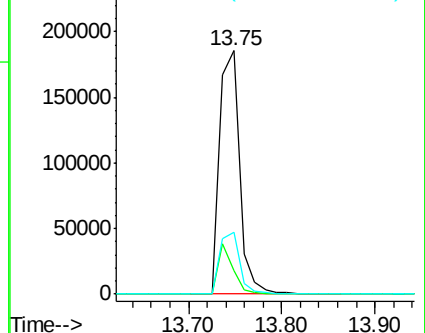
236 25.6 20.2 30.2

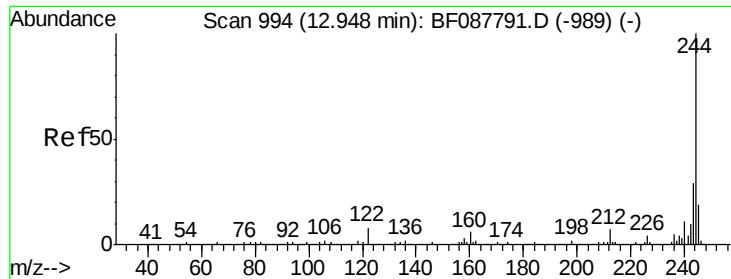


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

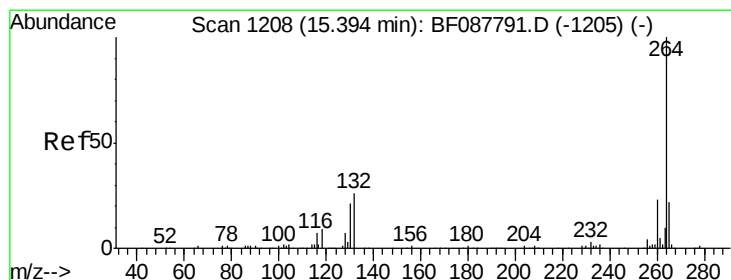
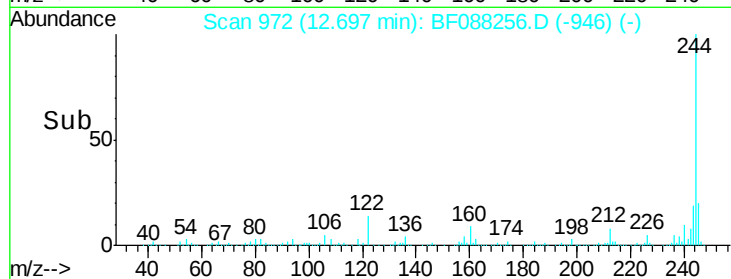
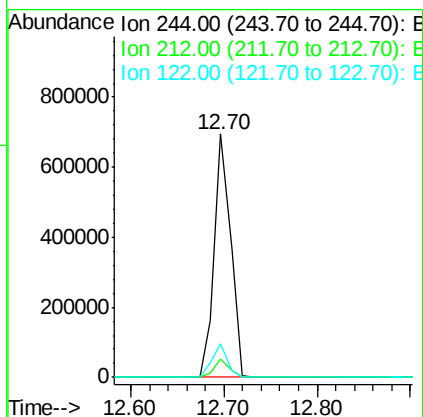
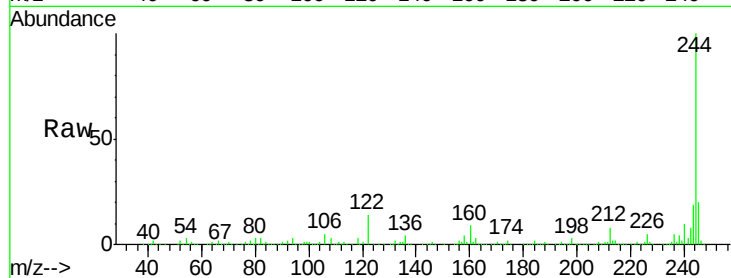




#78
 Terphenyl-d14
 Concen: 70.62 ng
 RT: 12.70 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF088256.D
 Acq: 22 Jun 2016 18:22

Instrument :
 BNA_F
 ClientSampleId :
 S5-B2(8-15)C

Tgt Ion:244 Resp: 849444
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 14.1 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF088256.D
 Acq: 22 Jun 2016 18:22

Tgt Ion:264 Resp: 193072
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.2 28.8
 265 21.7 16.9 25.3

