

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088261.D
 Acq On : 22 Jun 2016 20:47
 Operator : UM/SJ
 Sample : H3676-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 02:27:37 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	76091	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	351209	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	158622	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	281635	20.00	ng	0.00
75) Chrysene-d12	13.75	240	206735	20.00	ng	0.00
86) Perylene-d12	15.11	264	153535	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	580452	130.41	ng	0.01
7) Phenol-d6	6.26	99	757141	140.36	ng	0.00
23) Nitrobenzene-d5	7.18	82	487399	81.04	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	167206	99.83	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	875267	86.80	ng	0.00
78) Terphenyl-d14	12.70	244	682825	75.16	ng	0.00

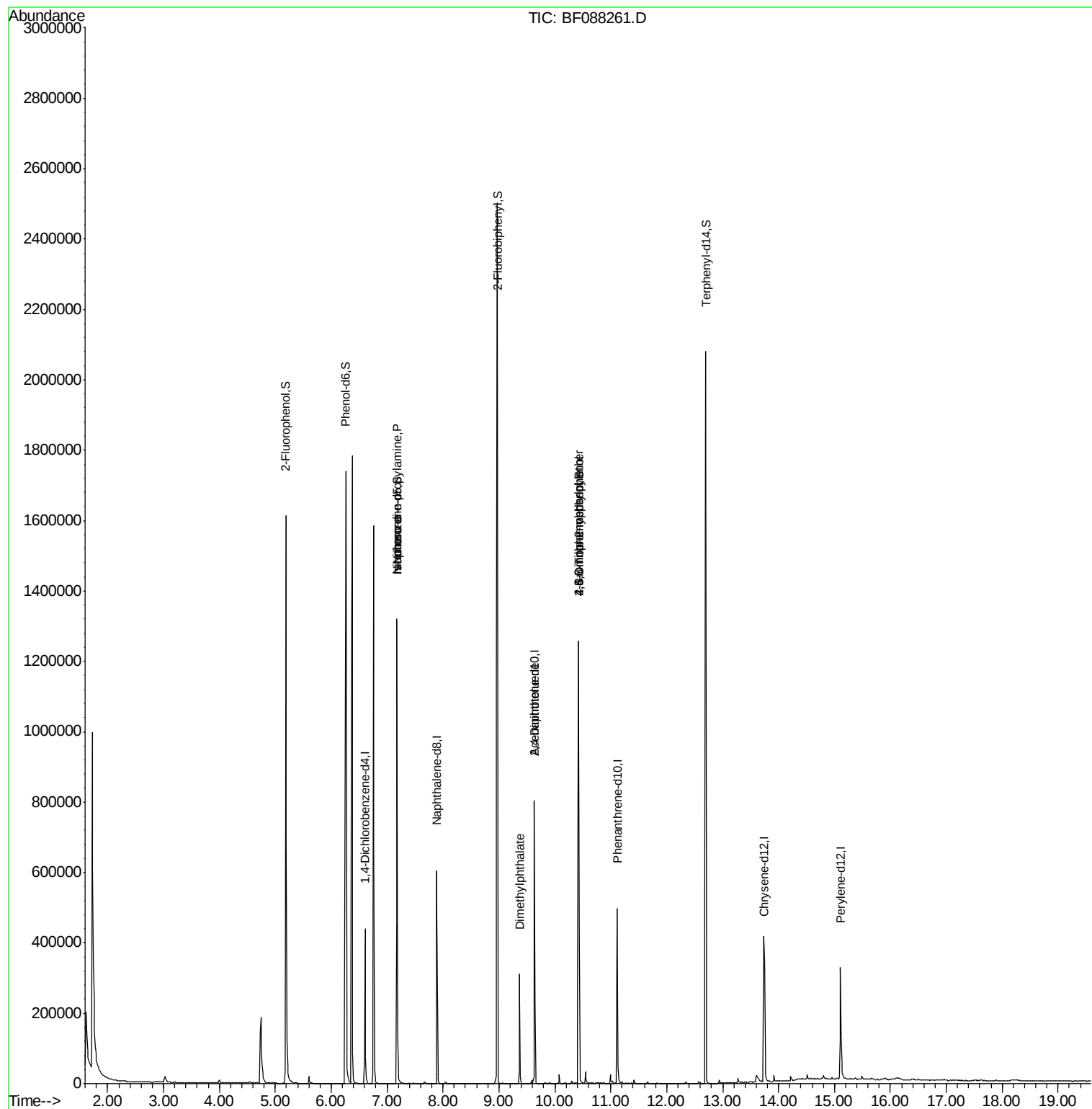
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.27	94	4215	Below Cal	#	10
19) n-Nitroso-di-n-propylamine	7.18	70	63478	18.40	ng	70
25) Isophorone	7.18	82	487389	43.75	ng	65
45) 1,1'-Biphenyl	8.97	154	1889	Below Cal	#	1
49) Dimethylphthalate	9.37	163	130128	11.33	ng	98
56) 2,4-Dinitrotoluene	9.63	165	20155	5.96	ng	37
57) Fluorene	10.42	166	7551	Below Cal	#	91
64) 4,6-Dinitro-2-methylphenol	10.42	198	323	2.34	ng	1
66) 4-Bromophenyl-phenylether	10.42	248	10317	3.41	ng	1

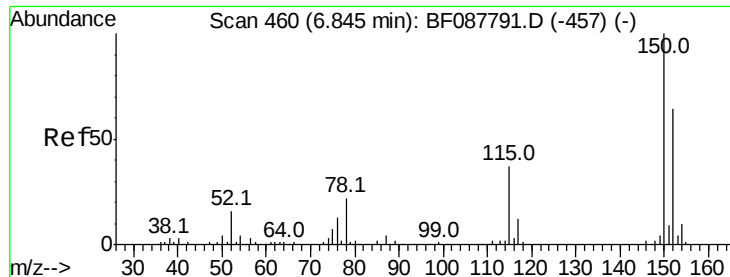
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.00 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

Instrument :

BNA_F

ClientSampleId :

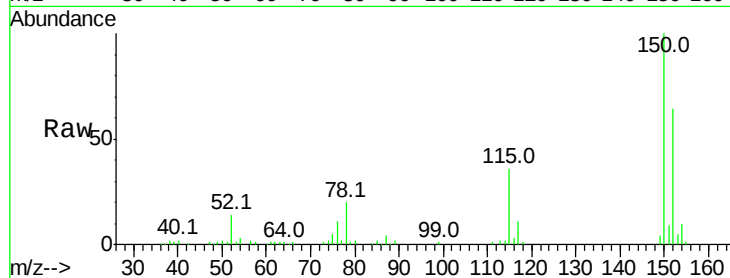
Tot Ion:152 Resp: 76091

Ion Ratio Lower Upper

152 100

150 156.4 123.8 185.6

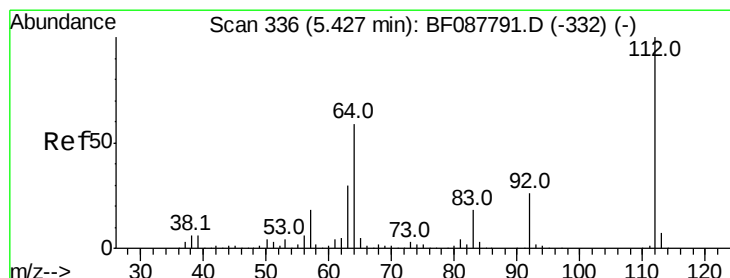
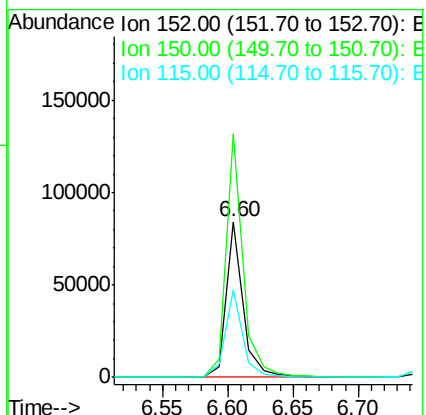
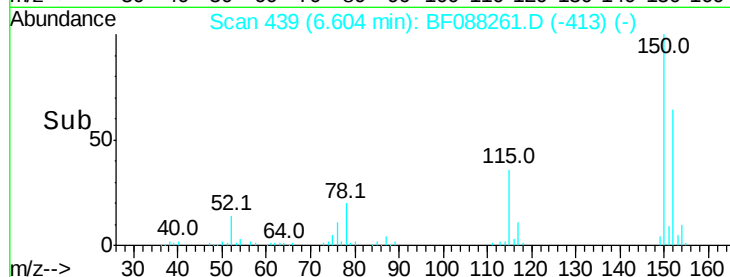
115 55.8 39.6 59.4



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: 130.41 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.01 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

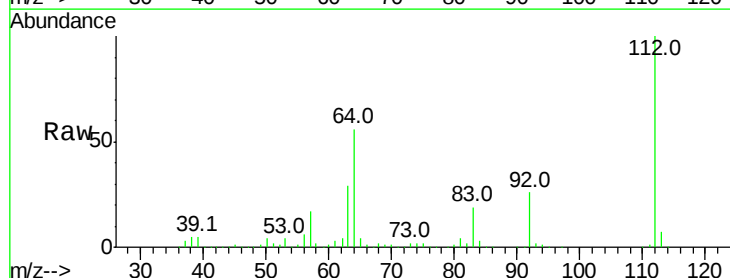
Tgt Ion:112 Resp: 580452

Ion Ratio Lower Upper

112 100

64 55.6 42.2 63.2

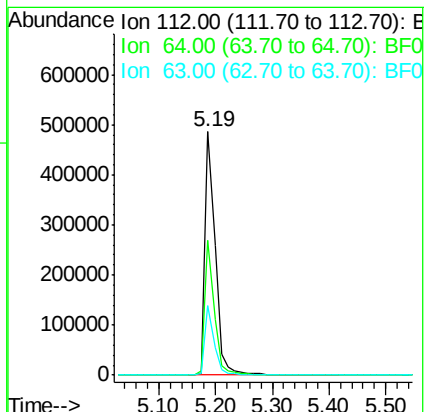
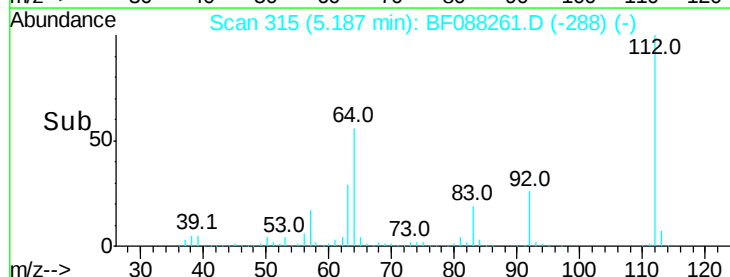
63 28.8 21.8 32.8



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: 140.36 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.00 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

Instrument :

BNA_F

ClientSampleId :

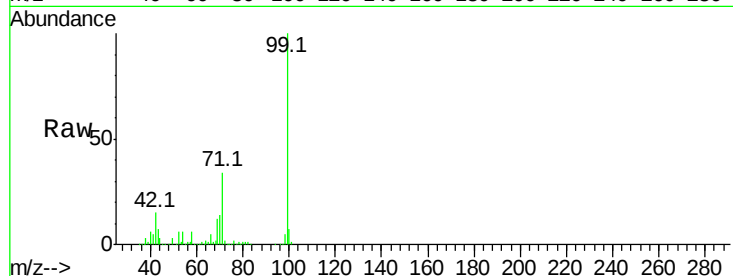
Tot Ion: 99 Resp: 757141

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

71 34.4 23.4 35.0

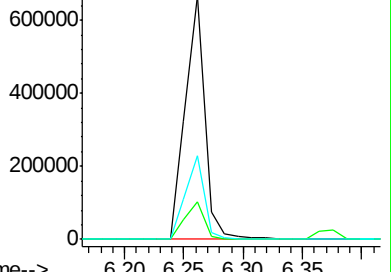


Abundance Ion 99.00 (98.70 to 99.70): BF0

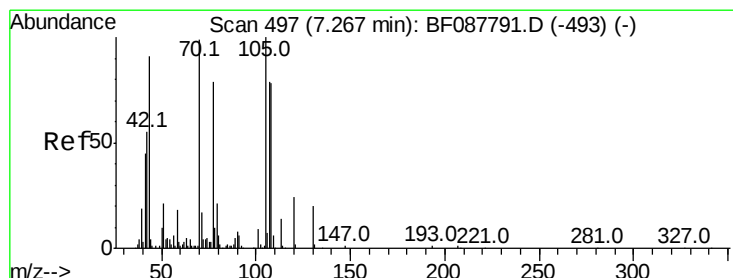
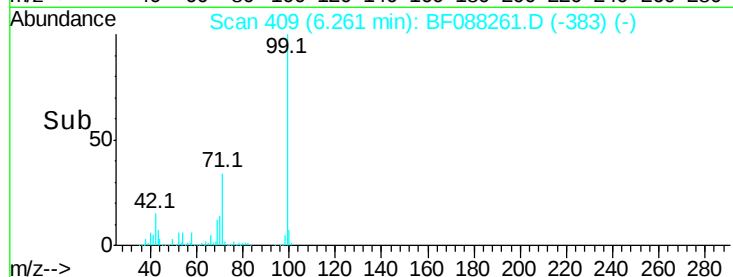
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

6.26



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 18.40 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.14 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

Tgt Ion: 70 Resp: 63478

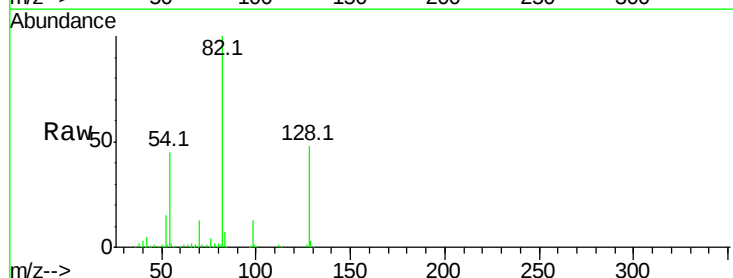
Ion Ratio Lower Upper

70 100

42 40.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#



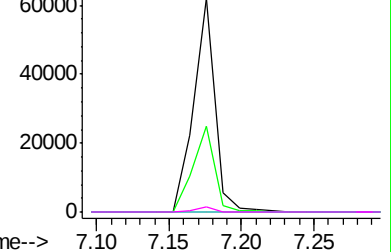
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

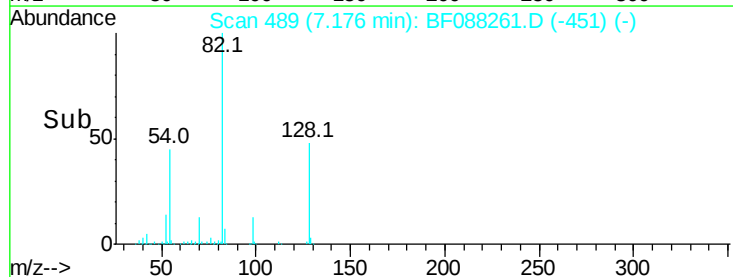
Ion 101.00 (100.70 to 101.70): BF0

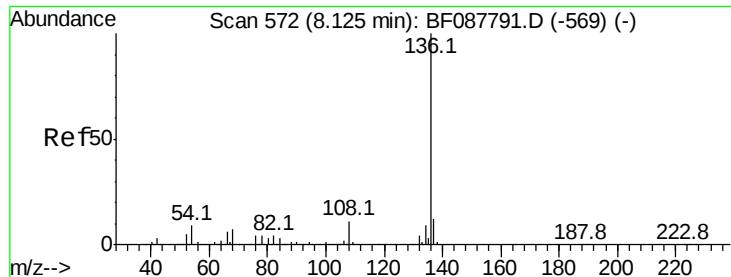
Ion 130.00 (129.70 to 130.70): BF0

7.18



Time-->





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 351209

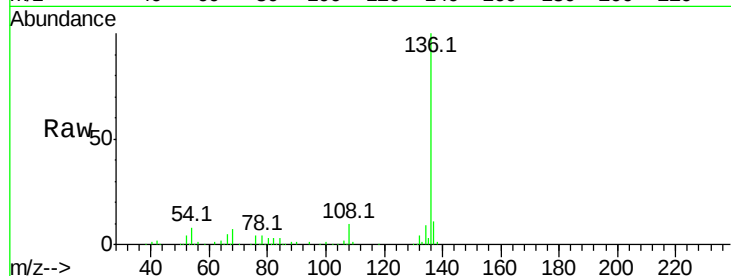
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.9 6.6 10.0

68 6.7 5.1 7.7

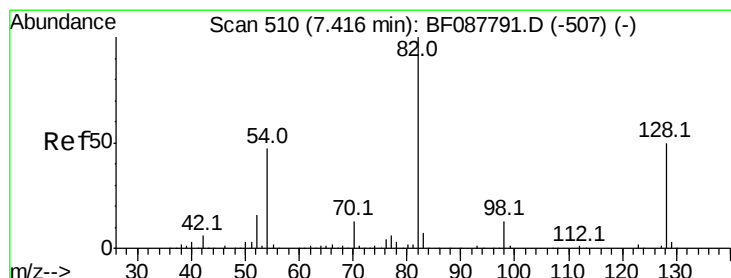
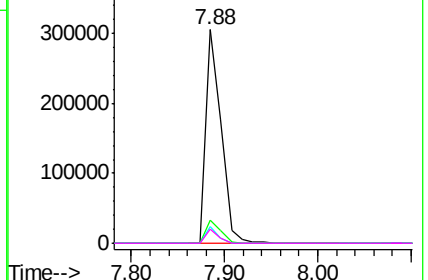
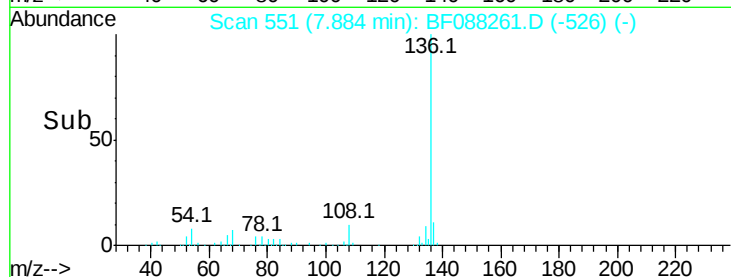


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.04 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

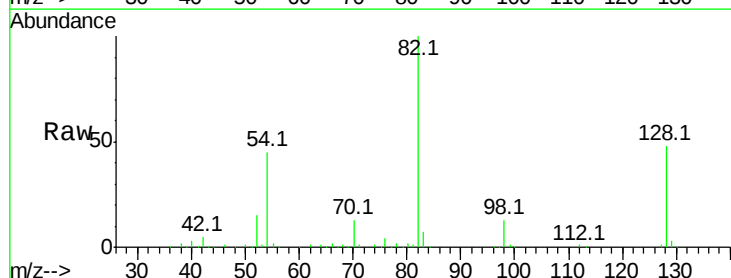
Tgt Ion: 82 Resp: 487399

Ion Ratio Lower Upper

82 100

128 48.0 35.9 53.9

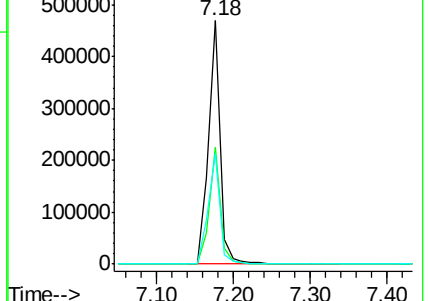
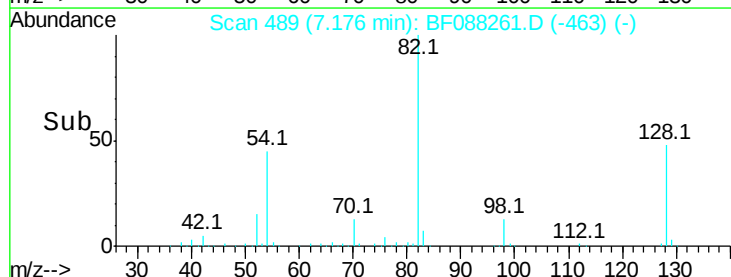
54 45.5 40.9 61.3

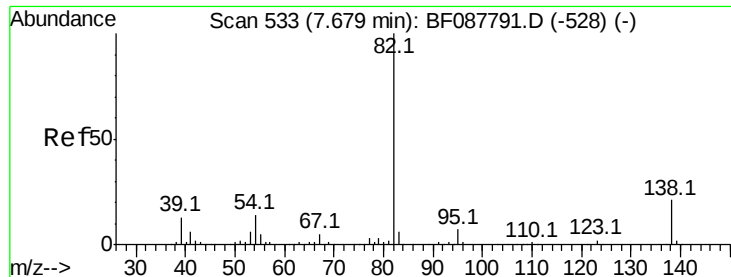


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 43.75 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

Instrument :

BNA_F

ClientSampleId :

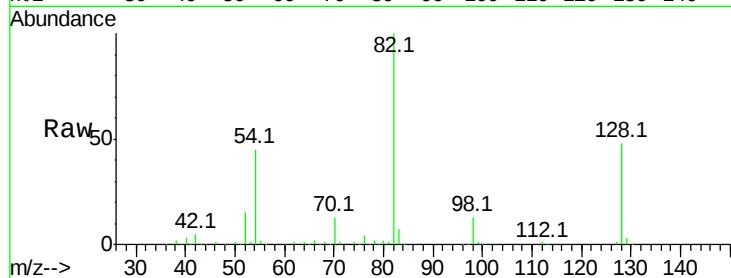
Tot Ion: 82 Resp: 487389

Ion Ratio Lower Upper

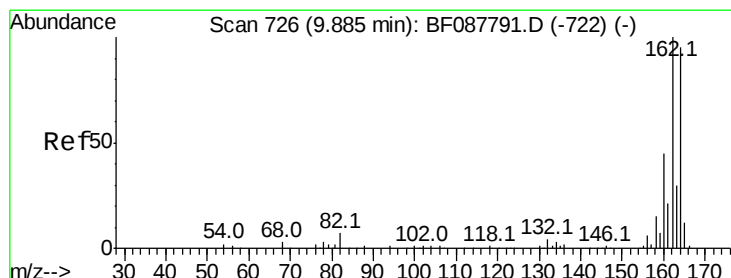
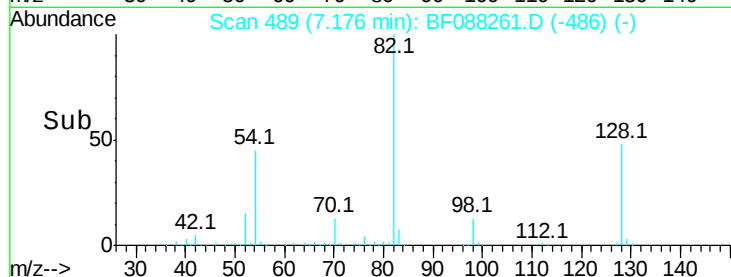
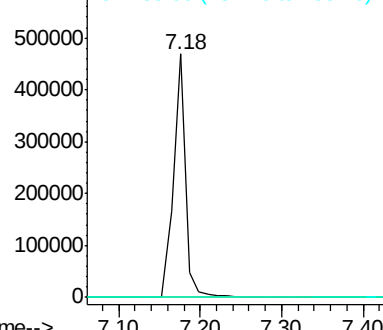
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

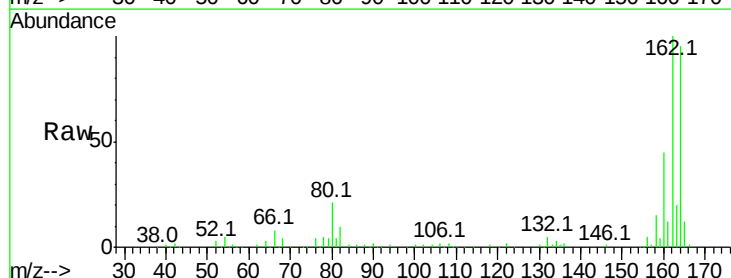
Tgt Ion:164 Resp: 158622

Ion Ratio Lower Upper

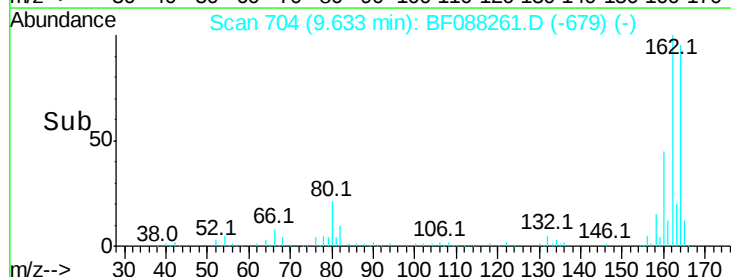
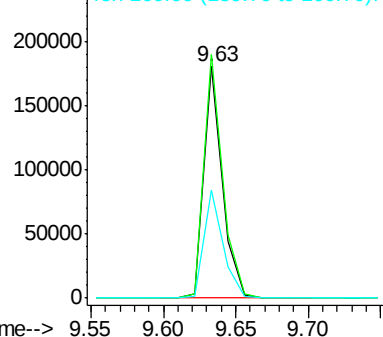
164 100

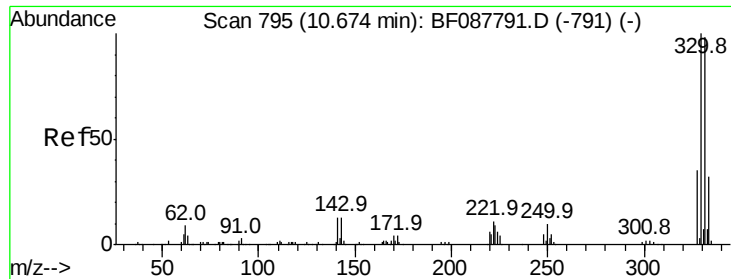
162 105.1 85.4 128.2

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

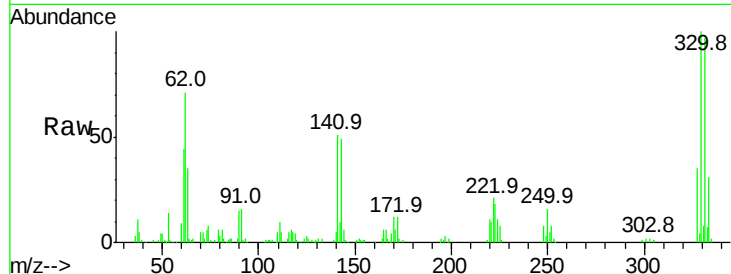




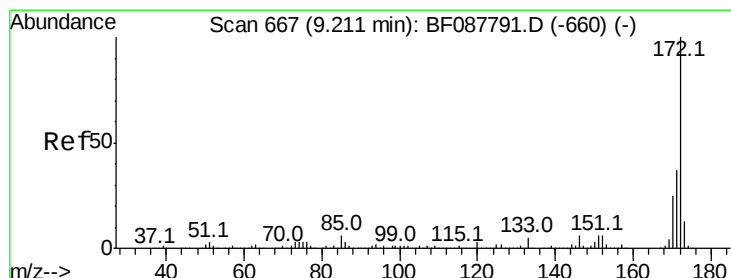
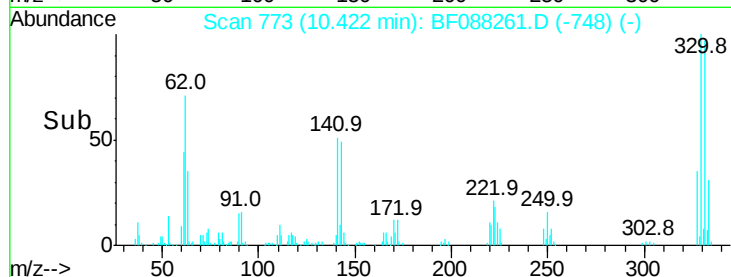
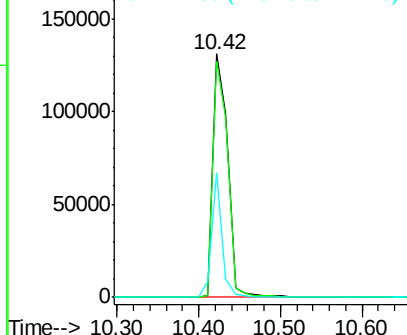
#41
 2,4,6-Tribromophenol
 Concen: 99.83 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088261.D
 Acq: 22 Jun 2016 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	36.8	0.0	0.0#

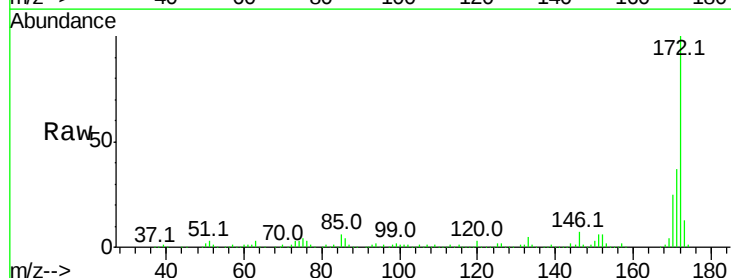


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

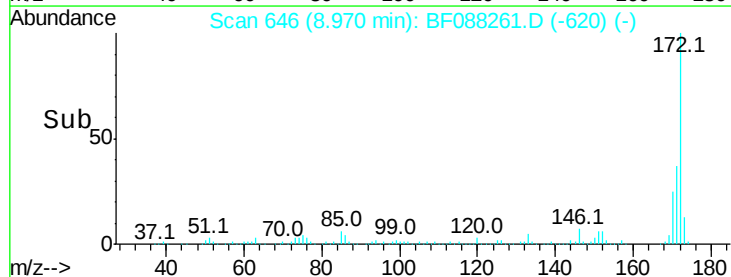
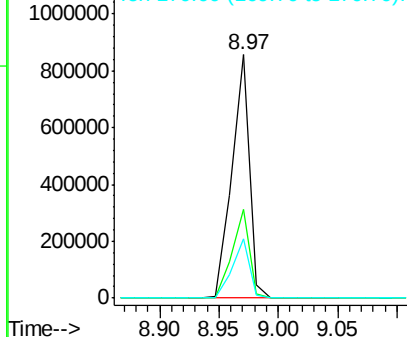


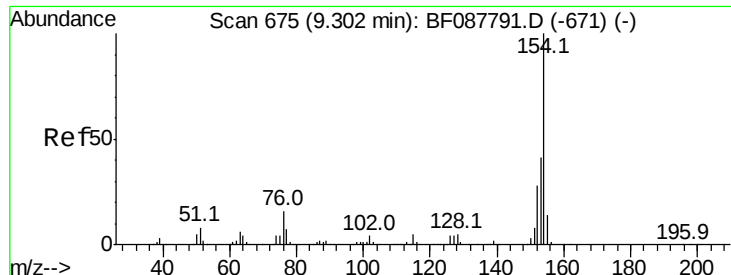
#44
 2-Fluorobiphenyl
 Concen: 86.80 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: BF088261.D
 Acq: 22 Jun 2016 20:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.5	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: BF088261.D

Acq: 22 Jun 2016 20:47

Instrument :

BNA_F

ClientSampleId :

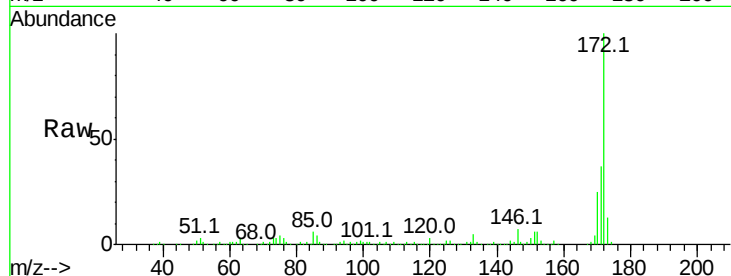
Tot Ion:154 Resp: 1889

Ion Ratio Lower Upper

154 100

153 896.4 20.6 60.6#

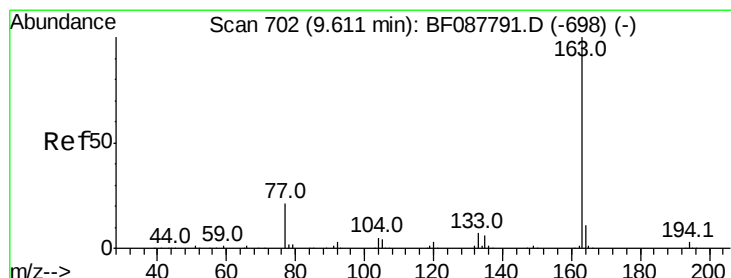
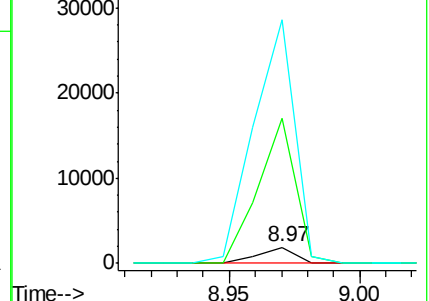
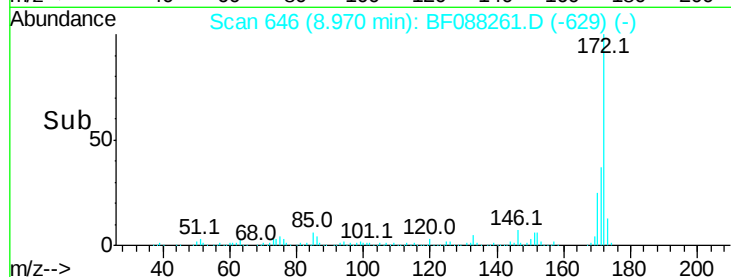
76 1504.9 0.0 35.1#



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



#49

Dimethylphthalate

Concen: 11.33 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

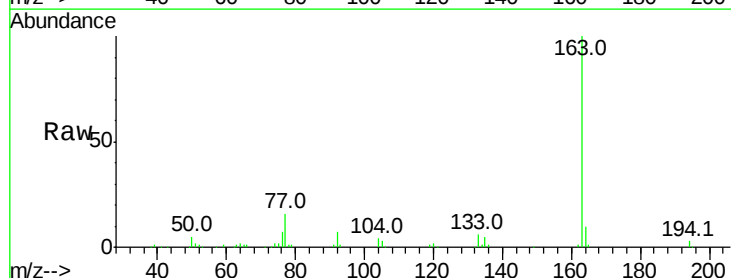
Tgt Ion:163 Resp: 130128

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

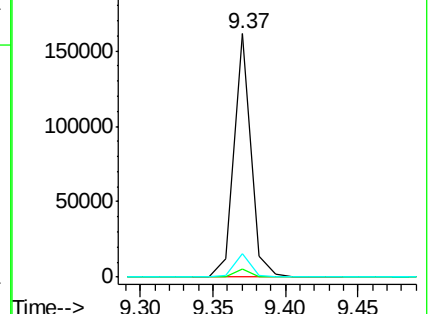
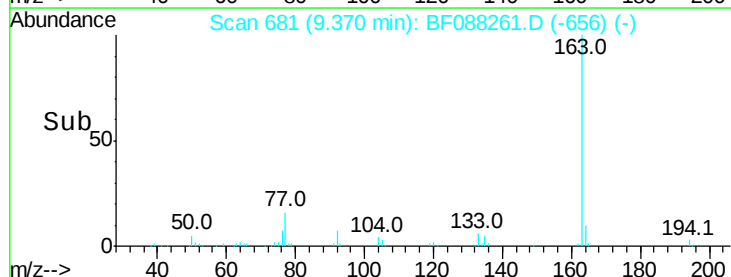
164 9.6 8.3 12.5

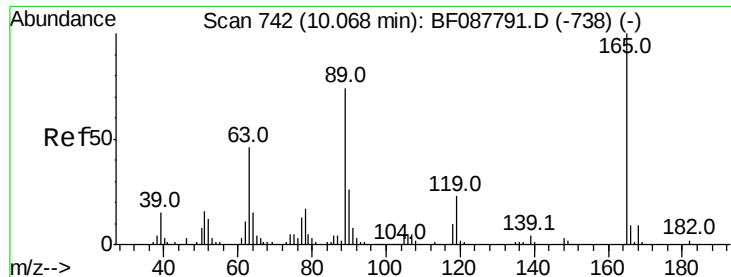


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

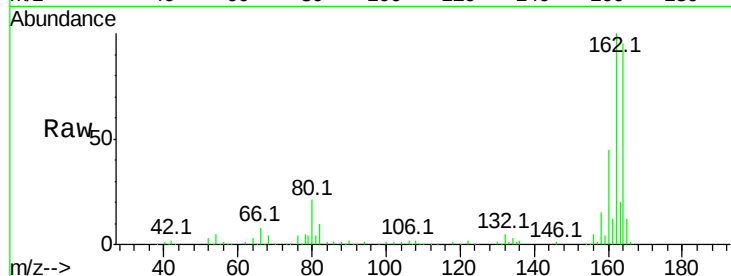




#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.22 min
Lab File: BF088261.D
Acq: 22 Jun 2016 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

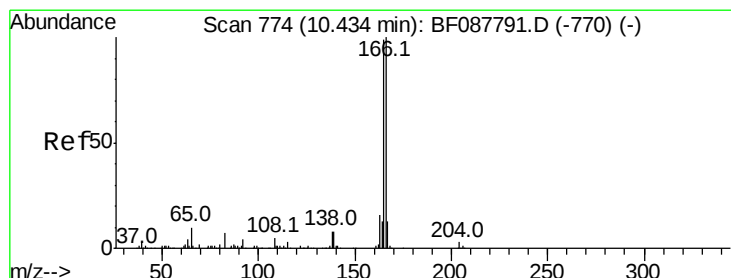
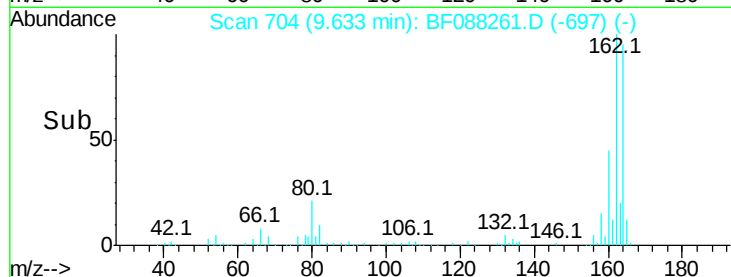
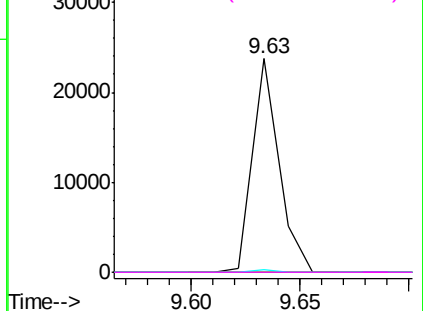


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

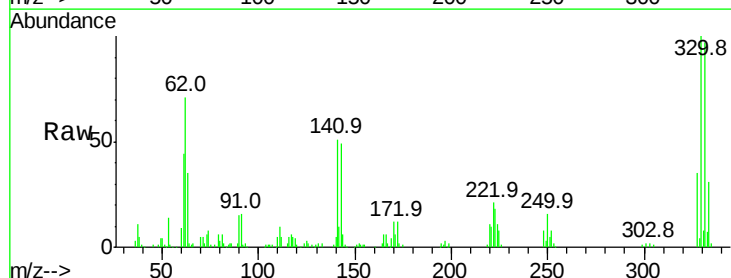
Ion 89.00 (88.70 to 89.70): BF0

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: BF088261.D
Acq: 22 Jun 2016 20:47

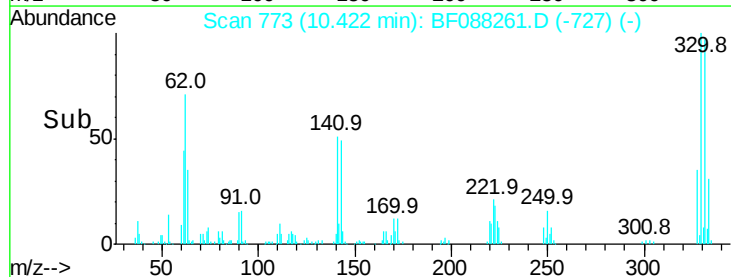
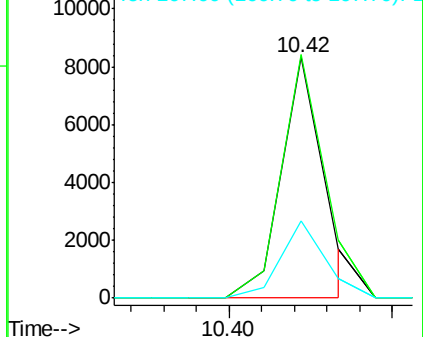
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.8
167	32.0	11.2	16.8#

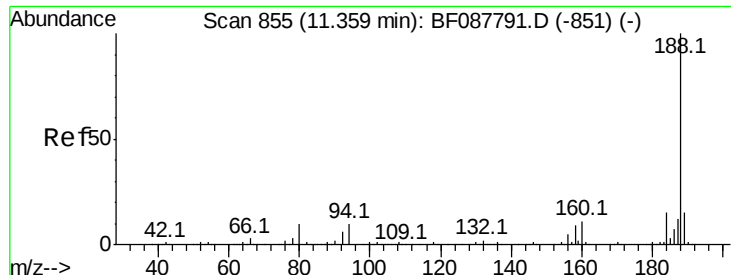


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

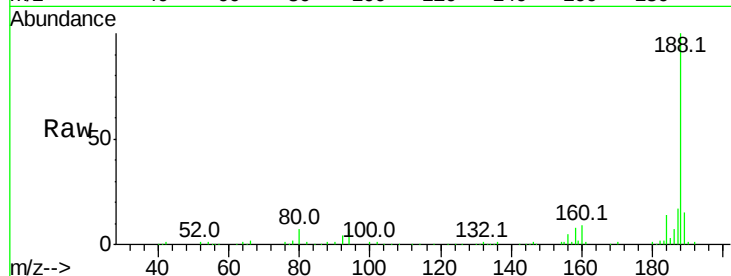




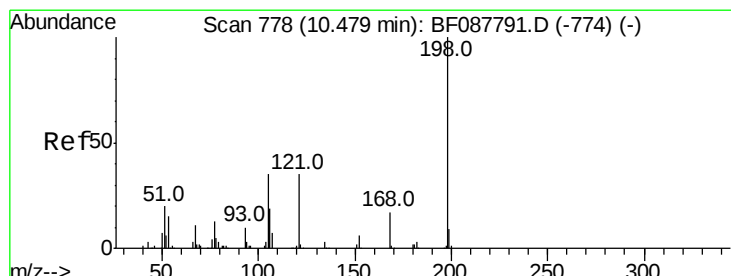
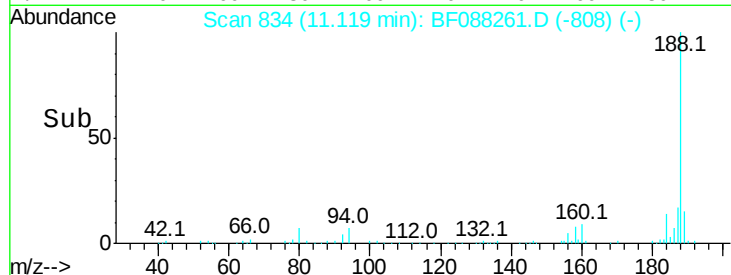
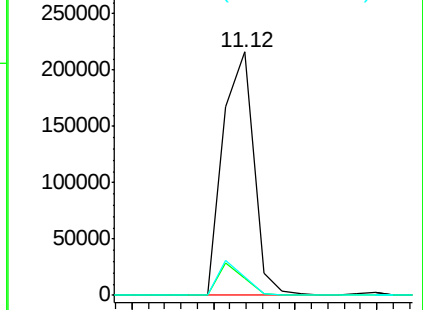
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.00 min
Lab File: BF088261.D
Acq: 22 Jun 2016 20:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.2	9.0	13.6#
80	7.3	10.0	15.0#

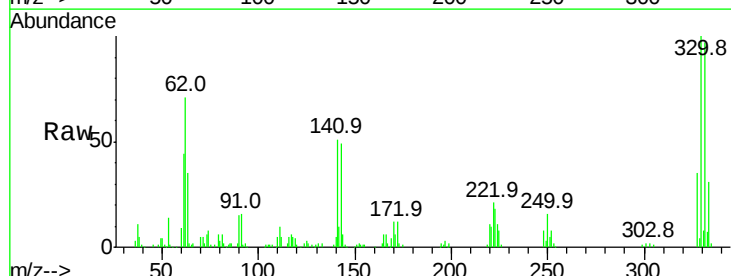


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

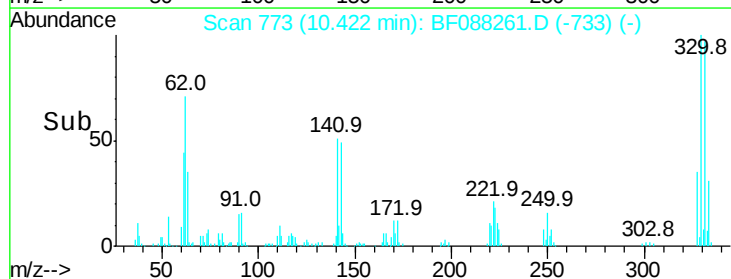
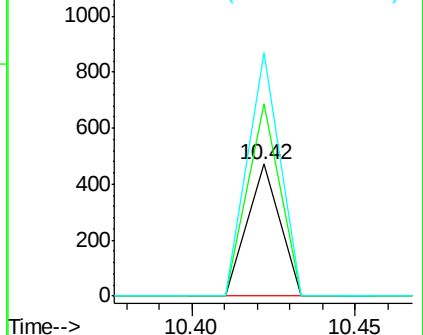


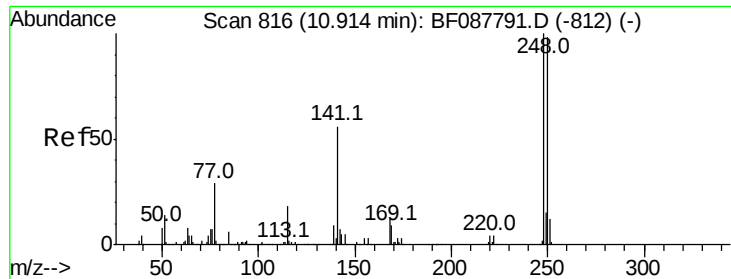
#64
4,6-Dinitro-2-methylphenol
Concen: 2.34 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.16 min
Lab File: BF088261.D
Acq: 22 Jun 2016 20:47

Tgt Ion	Ratio	Lower	Upper
198	100		
51	145.4	39.6	79.6#
105	184.5	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

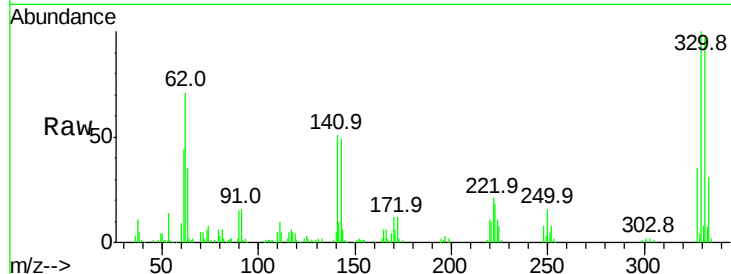




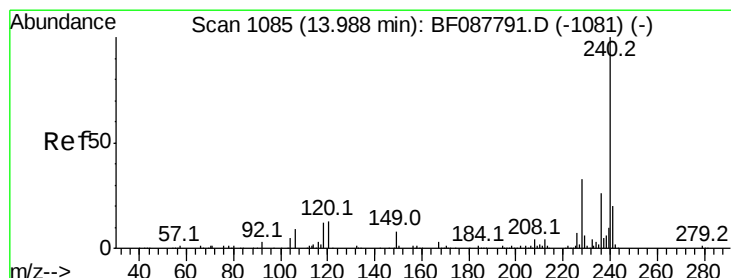
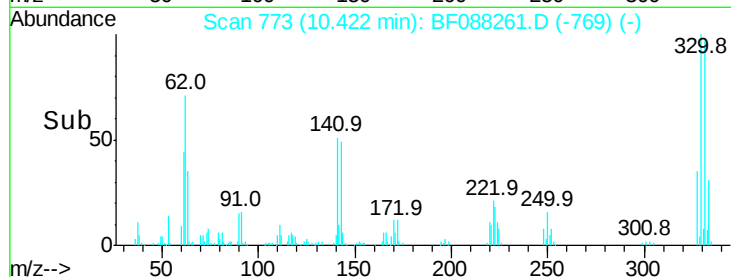
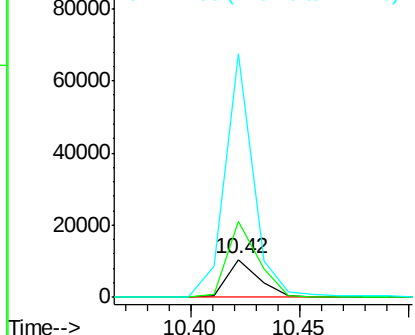
#66
4-Bromophenyl-phenylether
Concen: 3.41 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF088261.D
Acq: 22 Jun 2016 20:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 10317
Ion Ratio Lower Upper
248 100
250 201.4 77.1 115.7#
141 648.6 50.6 76.0#

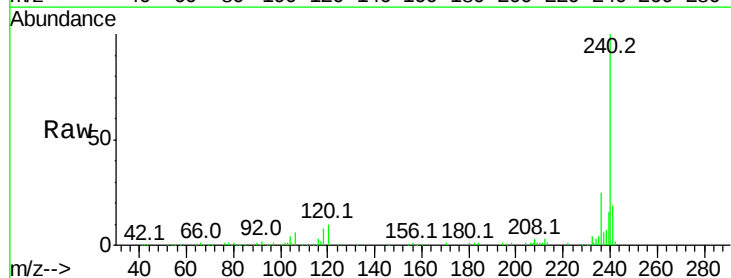


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

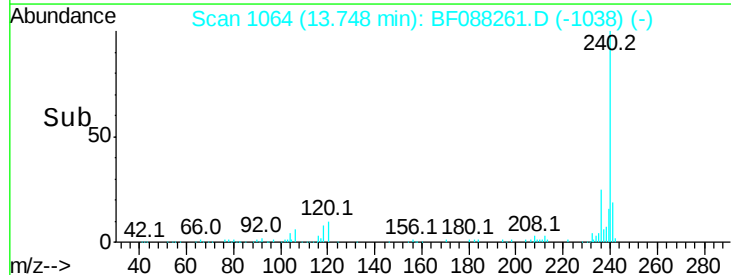
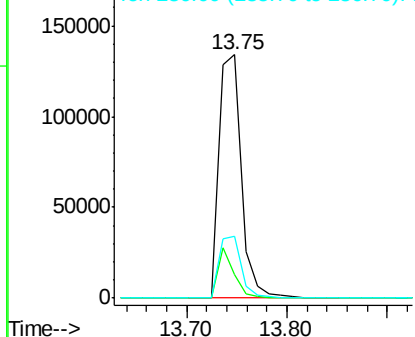


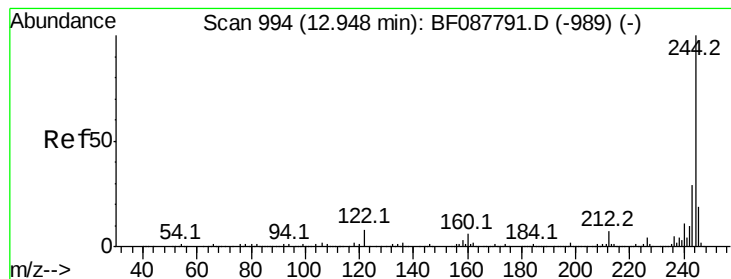
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BF088261.D
Acq: 22 Jun 2016 20:47

Tgt Ion:240 Resp: 206735
Ion Ratio Lower Upper
240 100
120 9.7 6.8 10.2
236 25.4 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: 75.16 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

Instrument :

BNA_F

ClientSampleId :

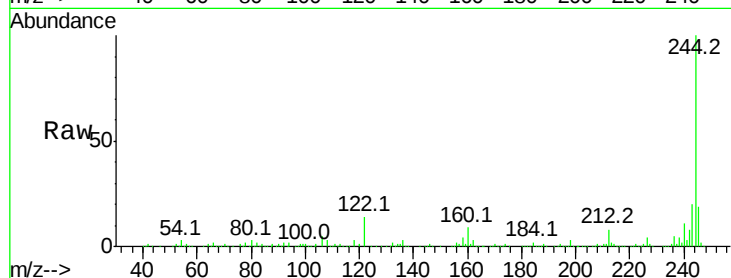
Tot Ion:244 Resp: 682825

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

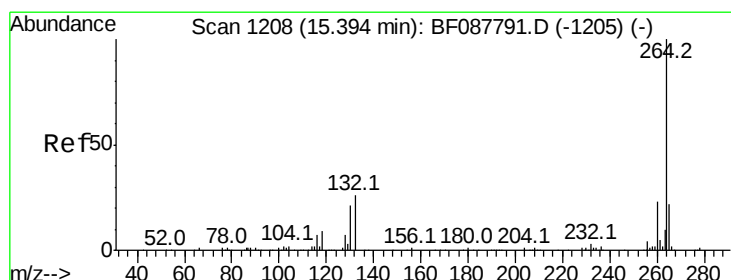
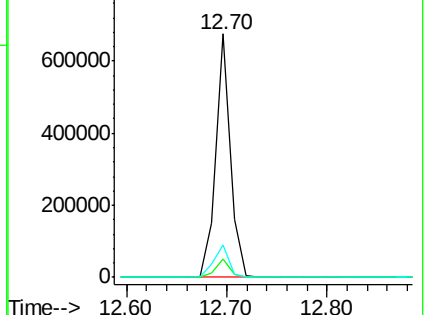
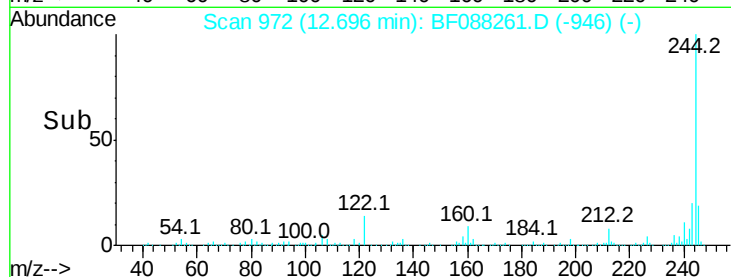
122 13.6 11.2 16.8



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

Perylene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF088261.D

Acq: 22 Jun 2016 20:47

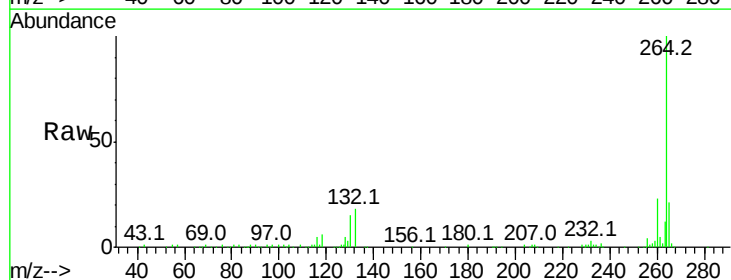
Tgt Ion:264 Resp: 153535

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.1 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

