

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088264.D
 Acq On : 22 Jun 2016 22:14
 Operator : UM/SJ
 Sample : H3676-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 02:28:33 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	75223	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	315621	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	138134	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	231260	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	155582	20.00	ng	0.00
86) Perylene-d12	15.11	264	156606	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	590107	134.11	ng	0.01
7) Phenol-d6	6.26	99	740009	138.77	ng	0.00
23) Nitrobenzene-d5	7.18	82	481826	89.14	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	155299	106.48	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	805065	92.01	ng	0.00
78) Terphenyl-d14	12.70	244	553531	80.96	ng	0.00

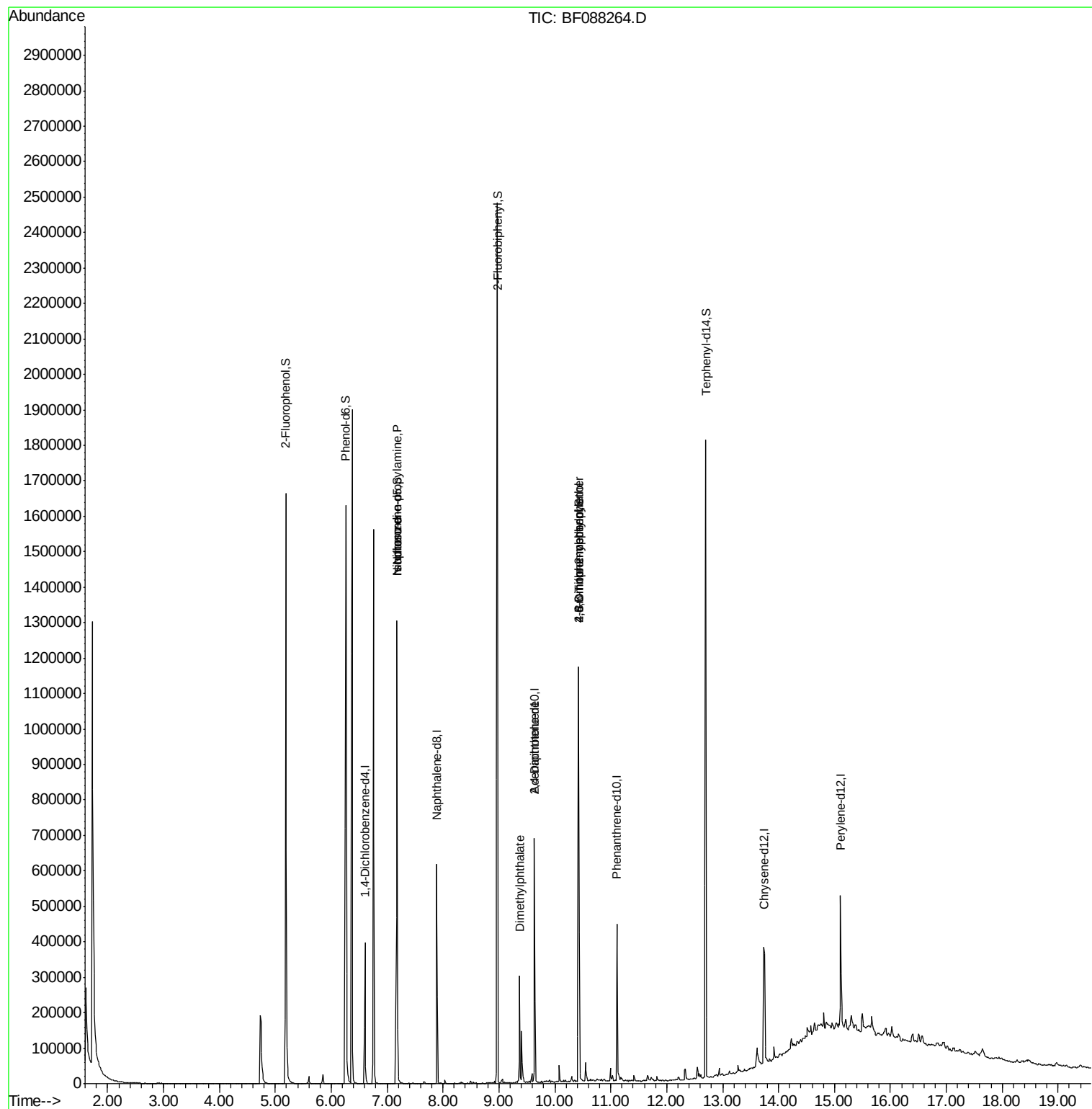
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.27	94	5487	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.18	70	63755	18.69	ng	70
25) Isophorone	7.18	82	481858	48.13	ng	65
45) 1,1'-Biphenyl	8.97	154	1596	Below Cal	#	1
49) Dimethylphthalate	9.37	163	124152	12.41	ng	99
56) 2,4-Dinitrotoluene	9.63	165	17866	6.07	ng	36
57) Fluorene	10.19	166	979	Below Cal	#	80
64) 4,6-Dinitro-2-methylphenol	10.42	198	268	2.34	ng	1
66) 4-Bromophenyl-phenylether	10.42	248	9493	3.83	ng	1

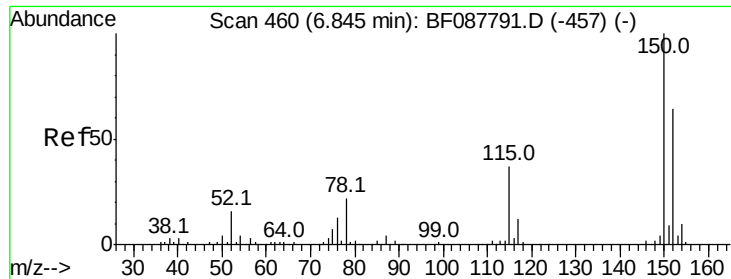
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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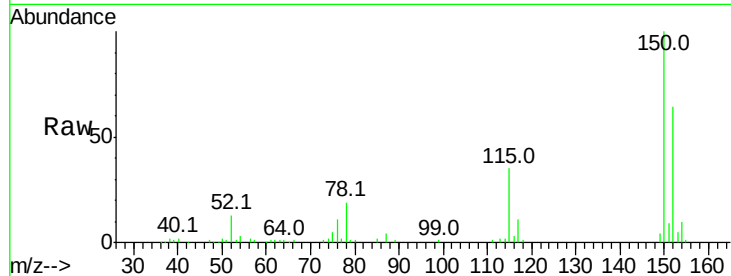


#1

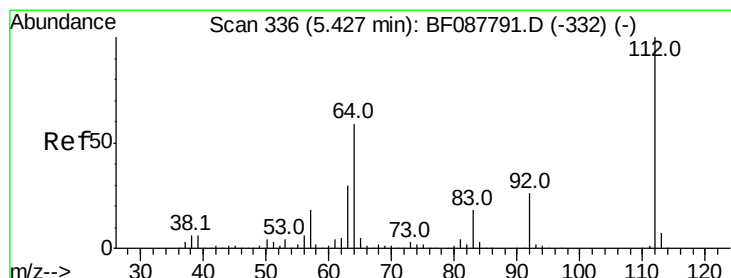
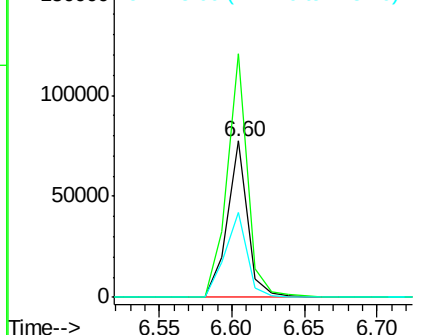
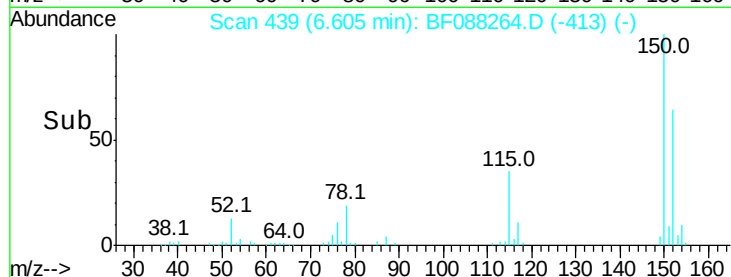
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088264.D
Acq: 22 Jun 2016 22:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75223
Ion Ratio Lower Upper
152 100
150 155.5 123.8 185.6
115 53.8 39.6 59.4



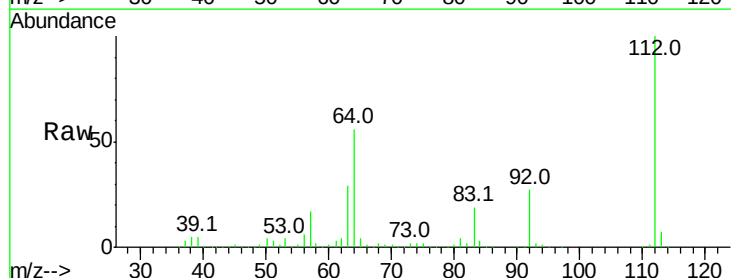
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



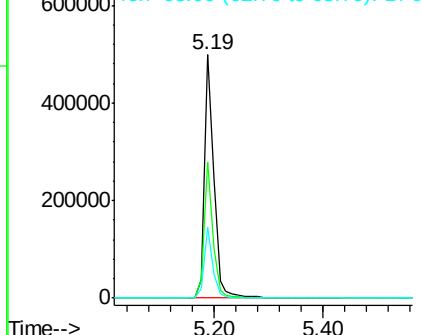
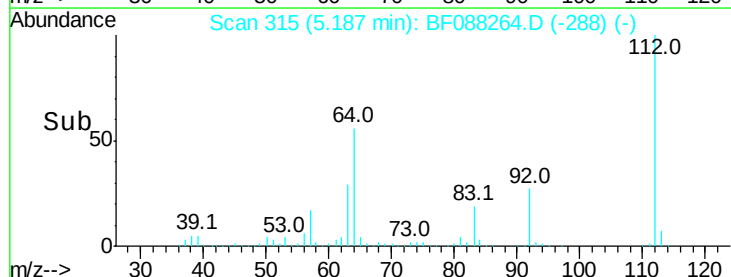
#5

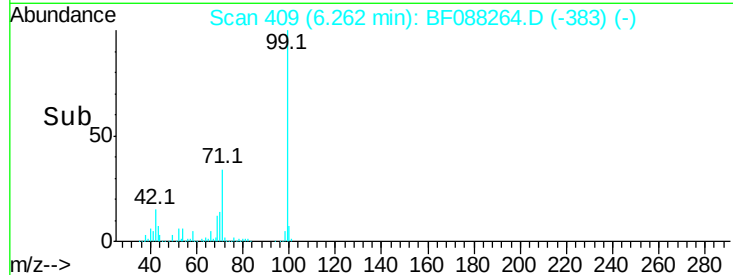
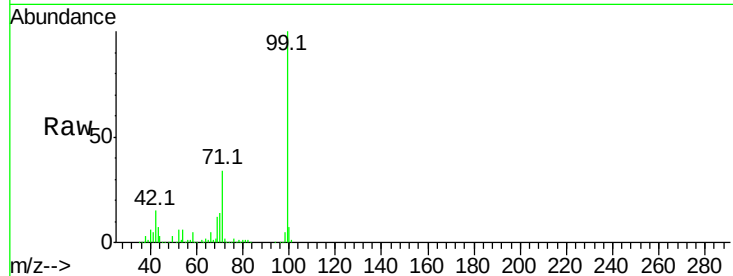
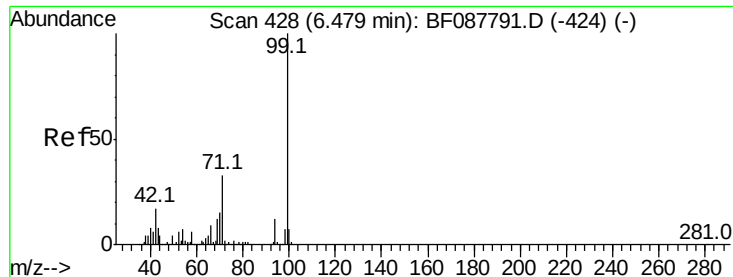
2-Fluorophenol
Concen: 134.11 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088264.D
Acq: 22 Jun 2016 22:14

Tgt Ion:112 Resp: 590107
Ion Ratio Lower Upper
112 100
64 55.9 42.2 63.2
63 28.9 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: 138.77 ng

RT: 6.26 min Scan# 409

Delta R.T. 0.00 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

Instrument :

BNA_F

ClientSampleId :

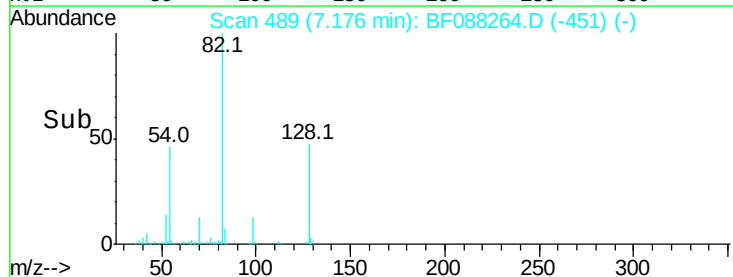
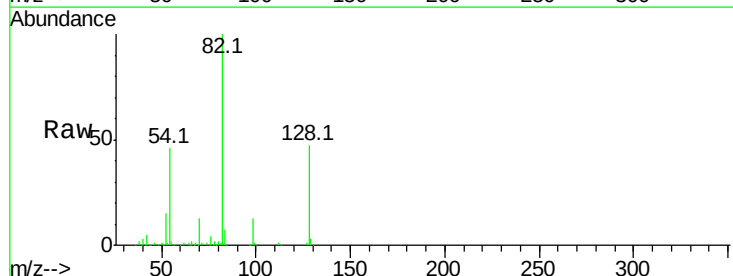
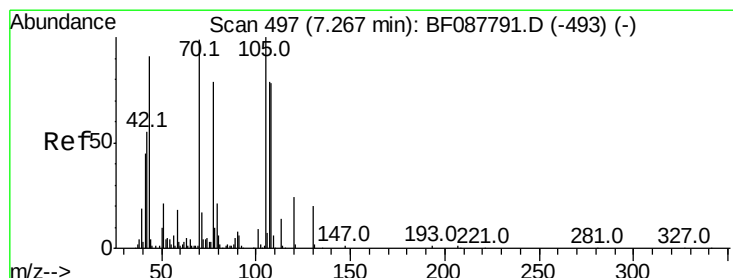
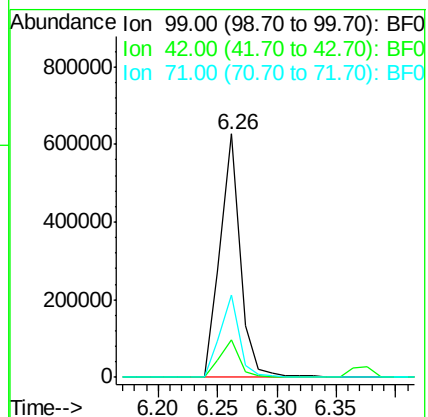
Tot Ion: 99 Resp: 740009

Ion Ratio Lower Upper

99 100

42 15.2 12.2 18.2

71 34.0 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 18.69 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.14 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

Tgt Ion: 70 Resp: 63755

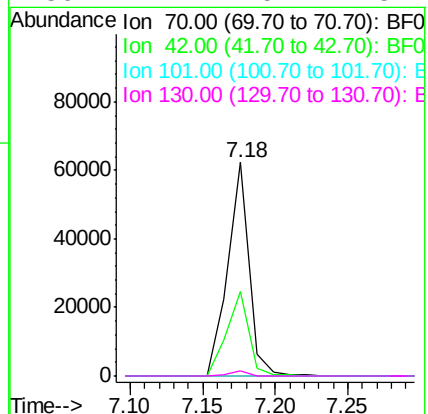
Ion Ratio Lower Upper

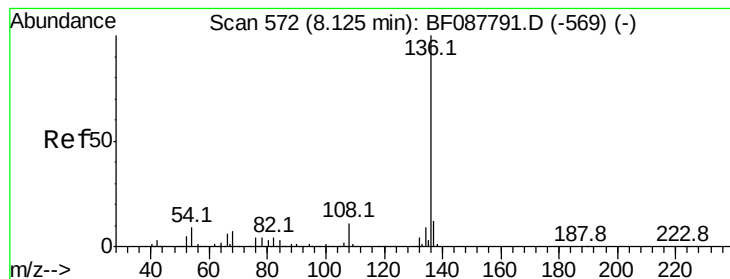
70 100

42 39.7 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: BF088264.D

Acq: 22 Jun 2016 22:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 315621

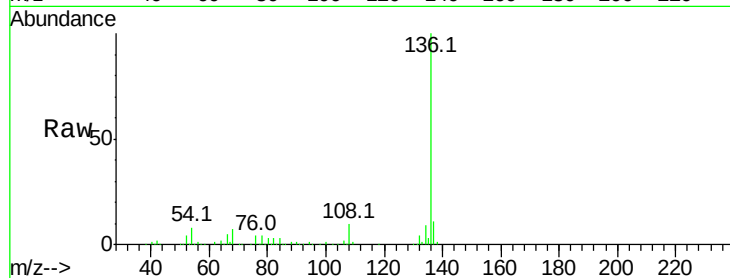
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 7.9 6.6 10.0

68 6.7 5.1 7.7

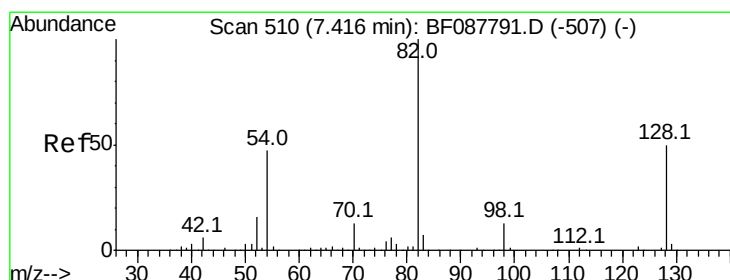
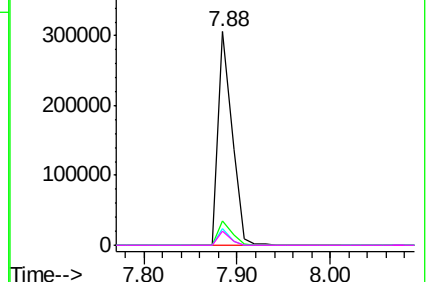
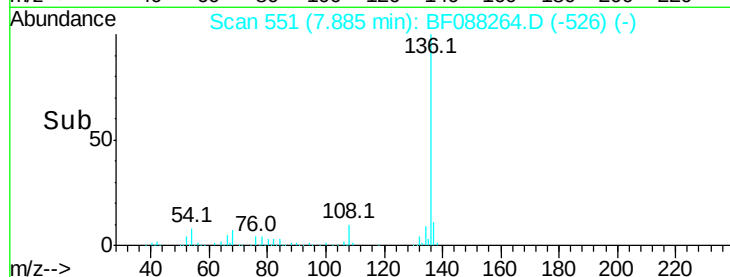


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.14 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

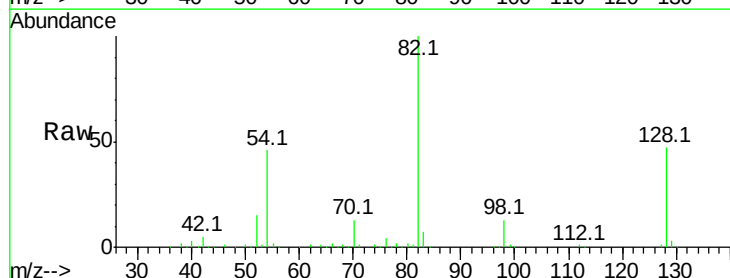
Tgt Ion: 82 Resp: 481826

Ion Ratio Lower Upper

82 100

128 47.5 35.9 53.9

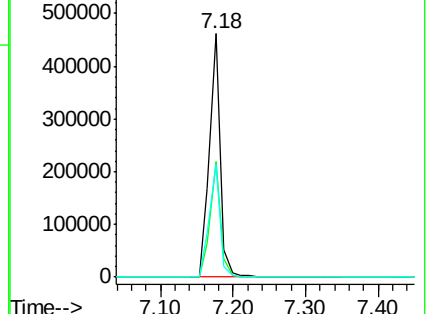
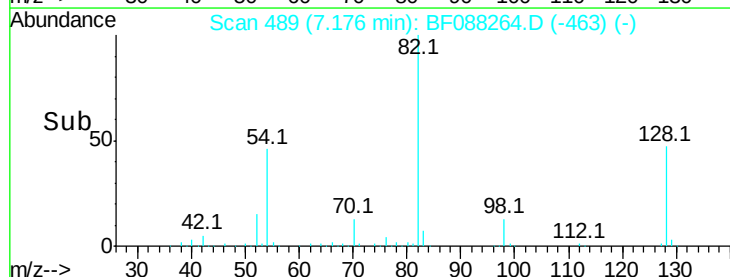
54 46.3 40.9 61.3

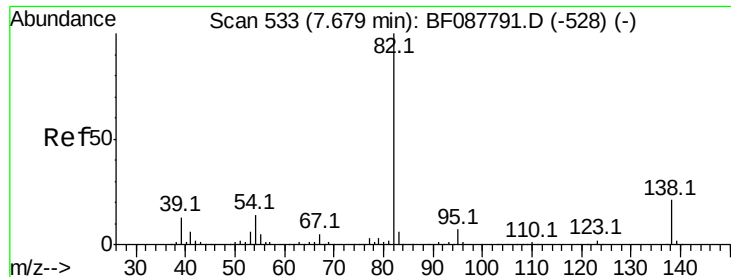


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 48.13 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

Instrument :

BNA_F

ClientSampled :

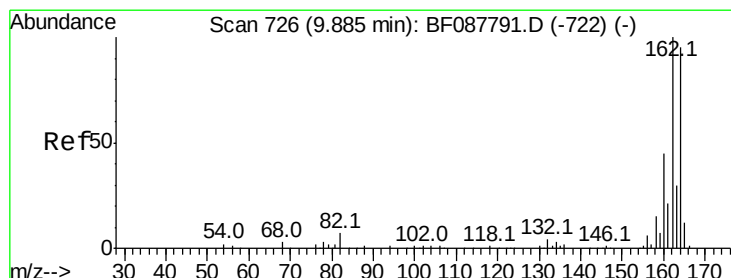
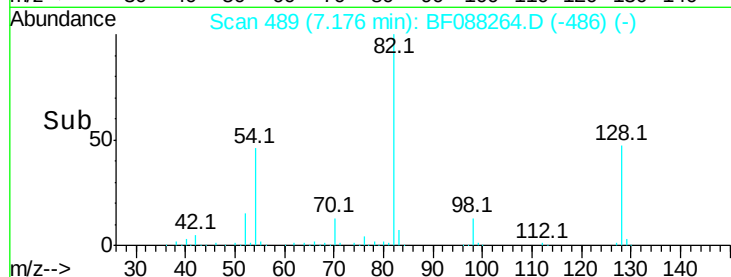
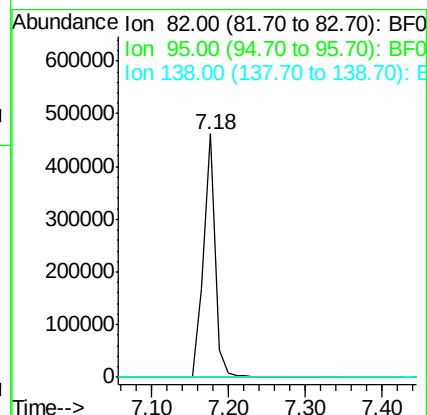
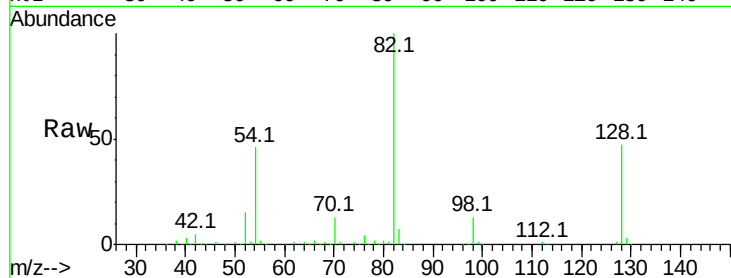
Tot Ion: 82 Resp: 481858

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

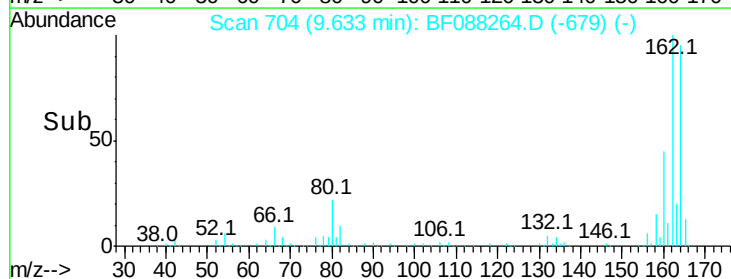
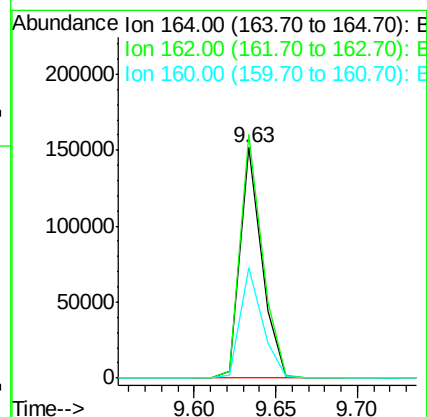
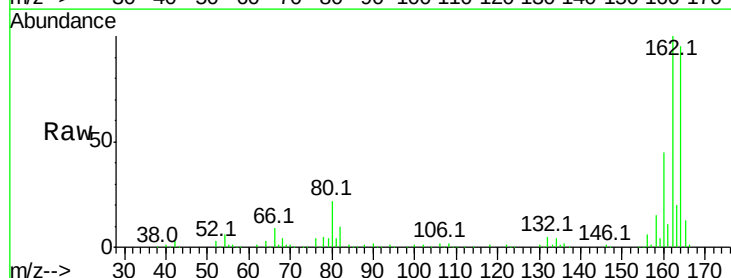
Tgt Ion:164 Resp: 138134

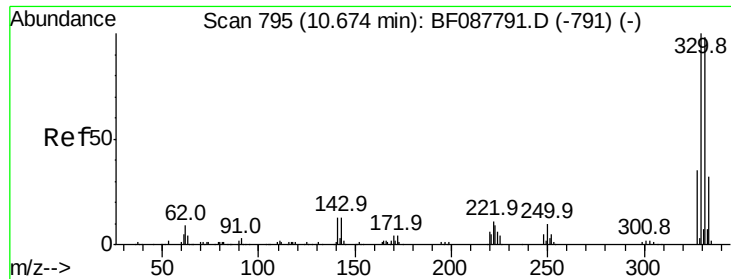
Ion Ratio Lower Upper

164 100

162 105.7 85.4 128.2

160 47.7 39.5 59.3

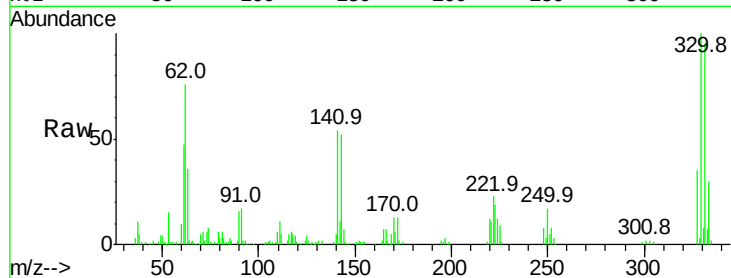




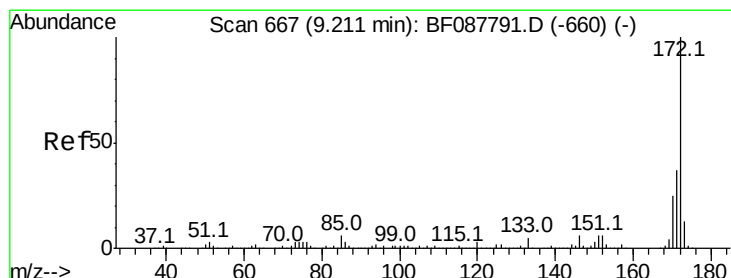
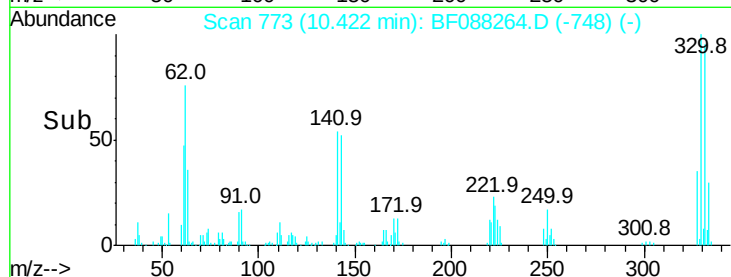
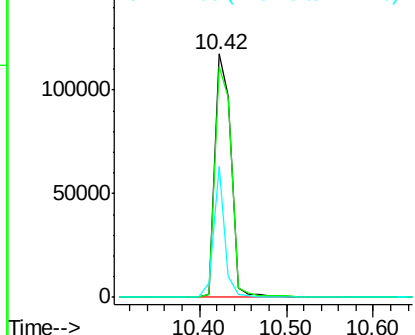
#41
 2,4,6-Tribromophenol
 Concen: 106.48 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088264.D
 Acq: 22 Jun 2016 22:14

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	36.7	0.0	0.0#

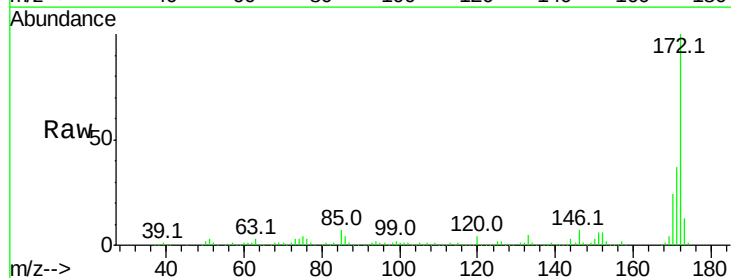


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

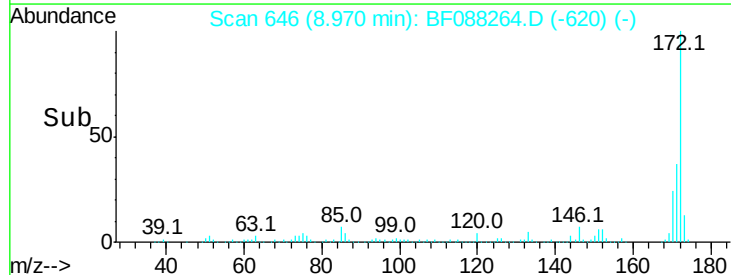
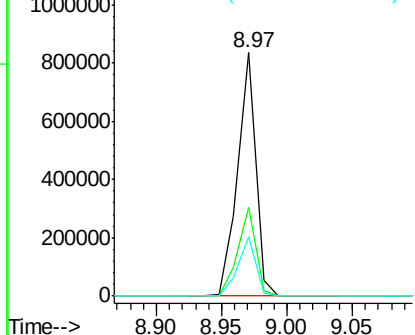


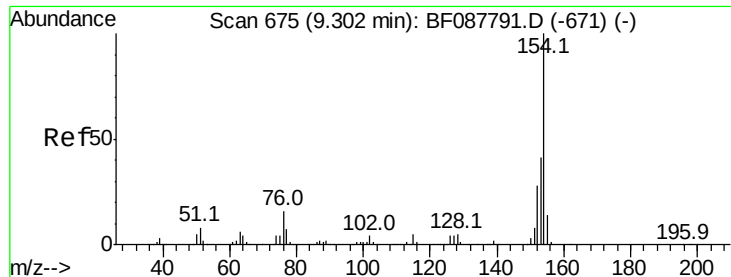
#44
 2-Fluorobiphenyl
 Concen: 92.01 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088264.D
 Acq: 22 Jun 2016 22:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.4	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: BF088264.D

Acq: 22 Jun 2016 22:14

Instrument :

BNA_F

ClientSampleId :

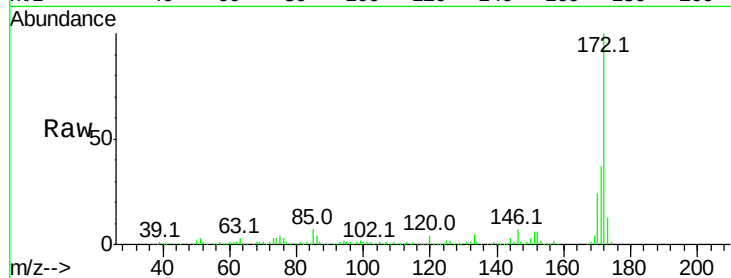
Tot Ion:154 Resp: 1596

Ion Ratio Lower Upper

154 100

153 960.8 20.6 60.6#

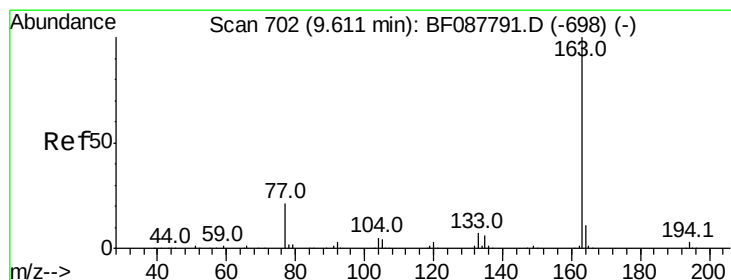
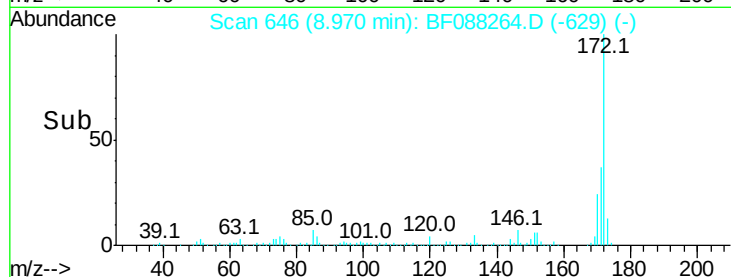
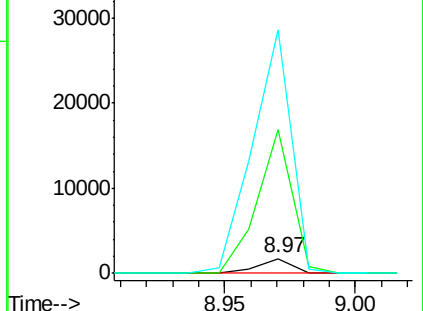
76 1625.0 0.0 35.1#



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: 12.41 ng

RT: 9.37 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

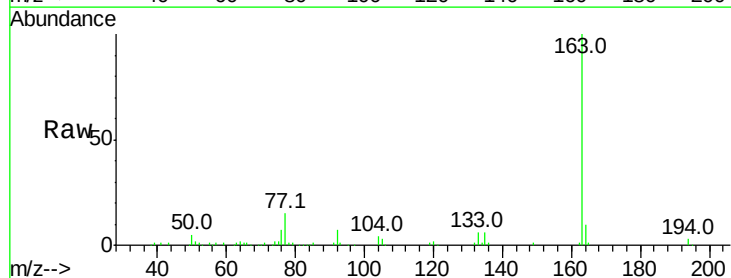
Tgt Ion:163 Resp: 124152

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

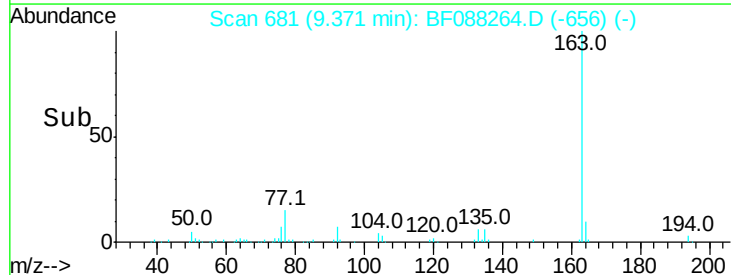
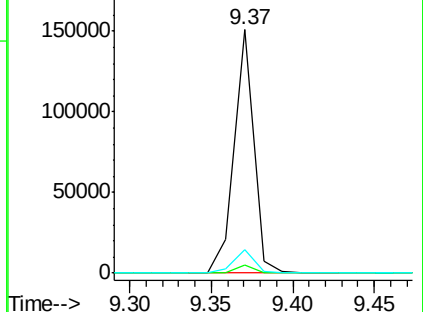
164 9.9 8.3 12.5

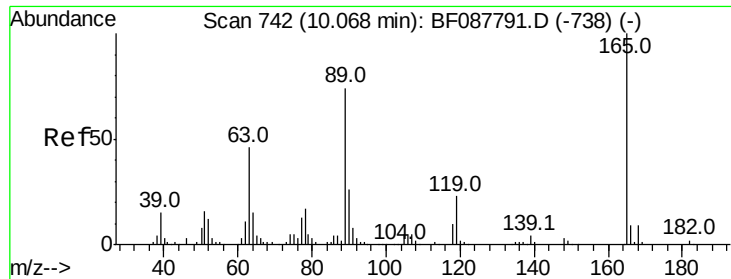


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.07 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.22 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 17866

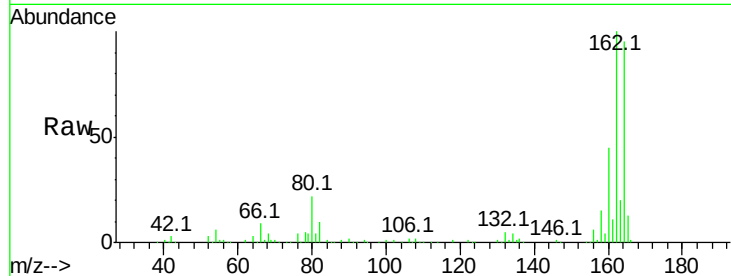
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

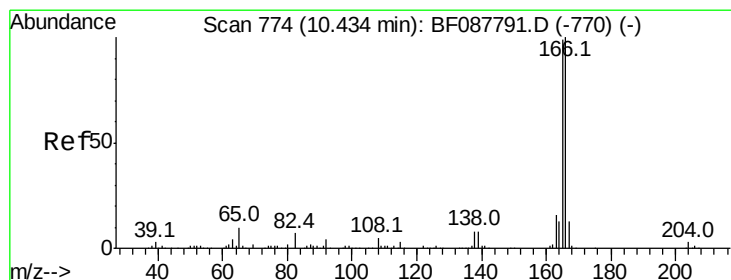
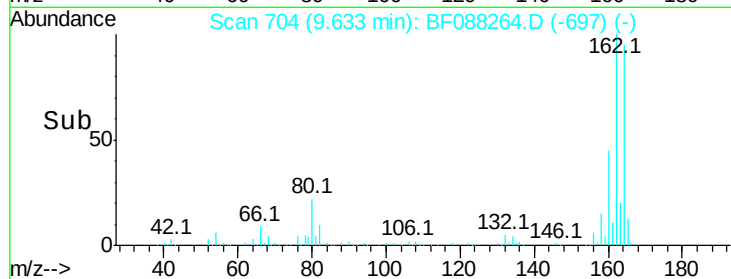
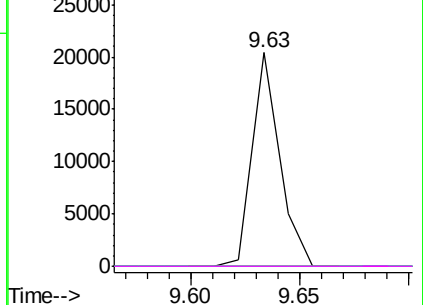


Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.19 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

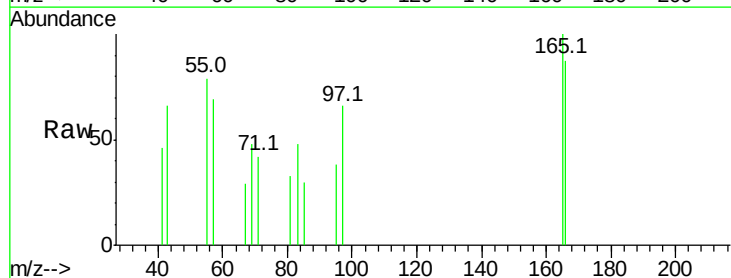
Tgt Ion:166 Resp: 979

Ion Ratio Lower Upper

166 100

165 114.4 77.8 116.8

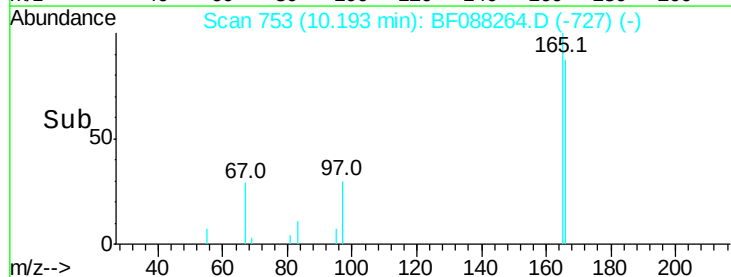
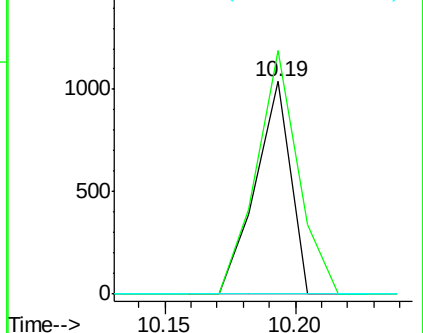
167 0.0 11.2 16.8#

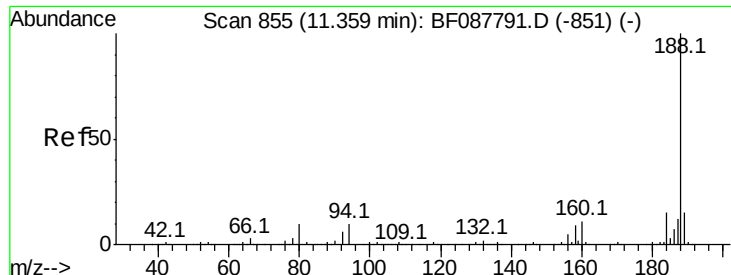


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

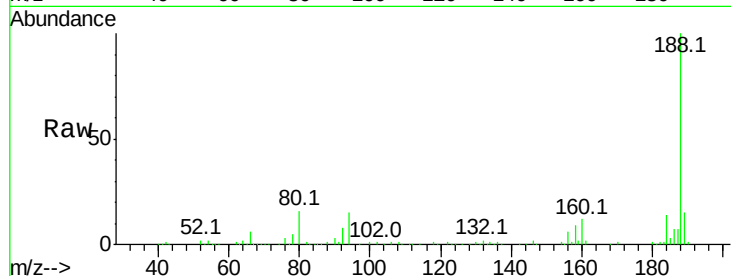




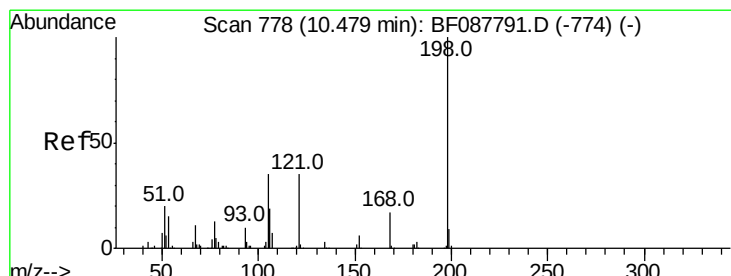
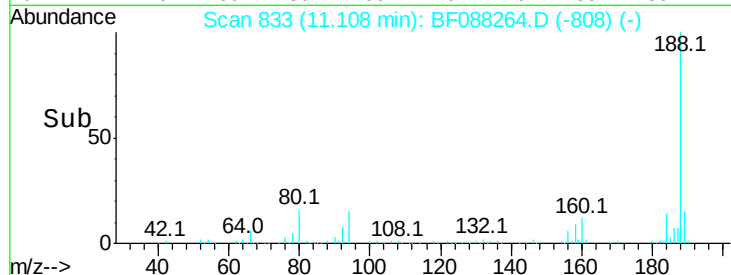
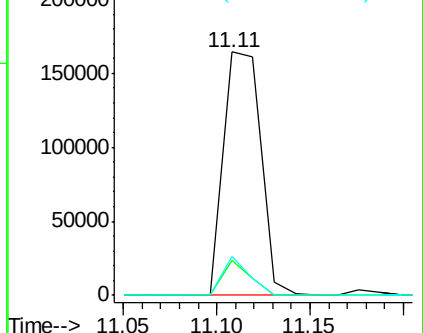
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF088264.D
Acq: 22 Jun 2016 22:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 231260
Ion Ratio Lower Upper
188 100
94 14.6 9.0 13.6#
80 16.1 10.0 15.0#

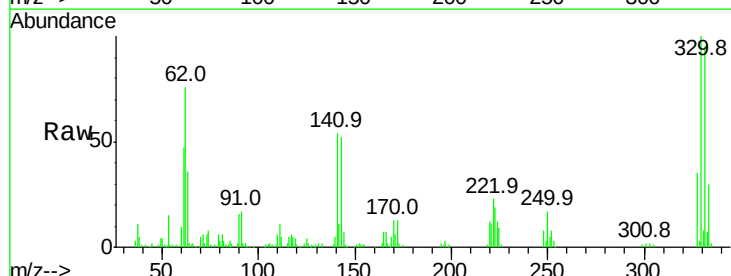


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

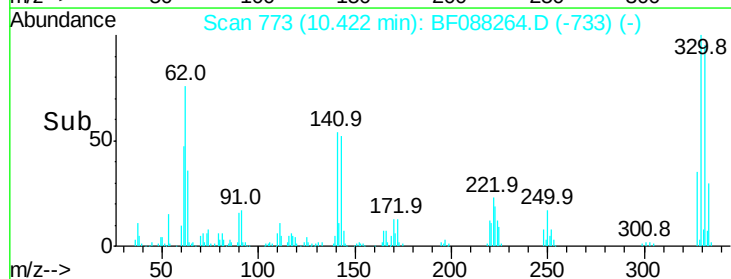
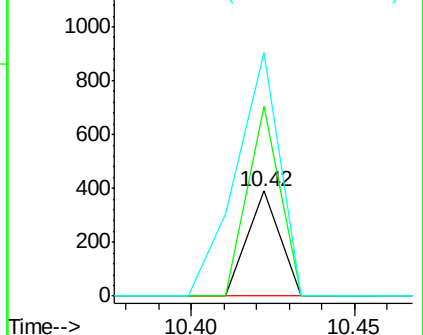


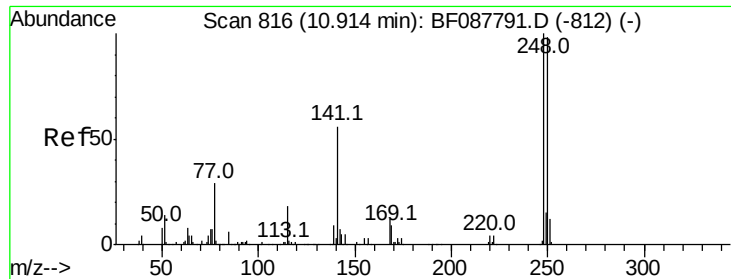
#64
4,6-Dinitro-2-methylphenol
Concen: 2.34 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.16 min
Lab File: BF088264.D
Acq: 22 Jun 2016 22:14

Tgt Ion:198 Resp: 268
Ion Ratio Lower Upper
198 100
51 179.8 39.6 79.6#
105 231.2 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: 3.83 ng

RT: 10.42 min Scan# 773

Delta R.T. -0.25 min

Lab File: BF088264.D

Acq: 22 Jun 2016 22:14

Instrument :

BNA_F

ClientSampleId :

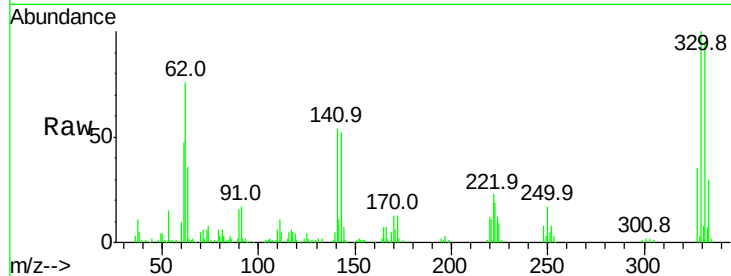
Tot Ion:248 Resp: 9493

Ion Ratio Lower Upper

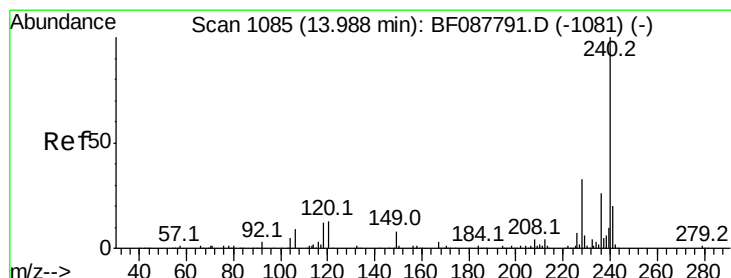
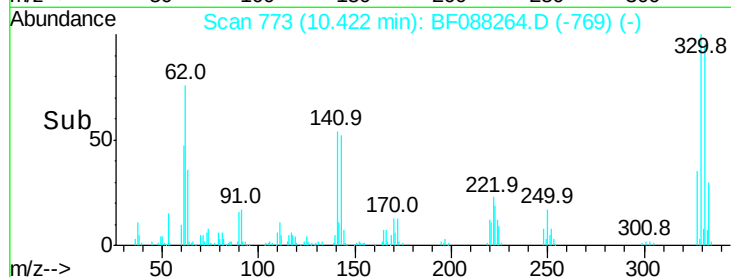
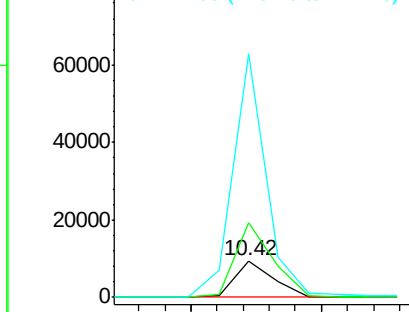
248 100

250 204.9 77.1 115.7#

141 664.2 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: BF088264.D

Acq: 22 Jun 2016 22:14

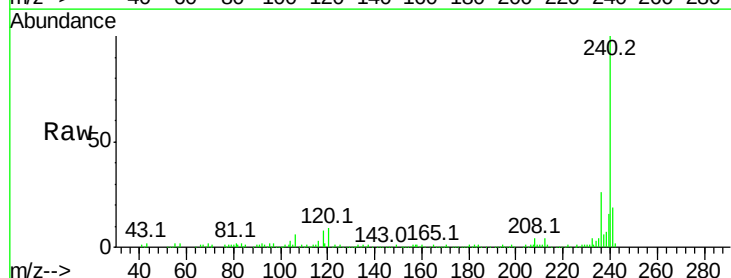
Tgt Ion:240 Resp: 155582

Ion Ratio Lower Upper

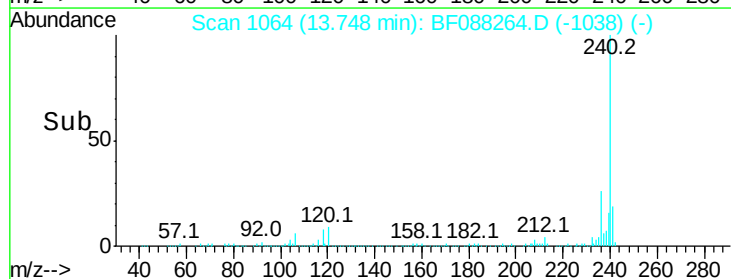
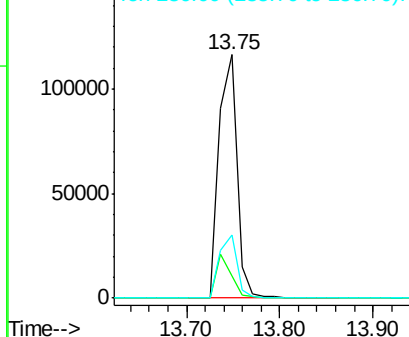
240 100

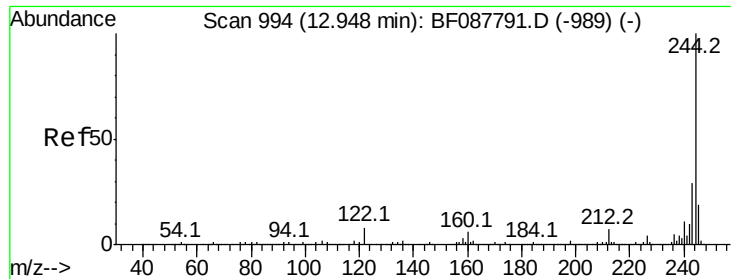
120 9.1 6.8 10.2

236 25.8 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

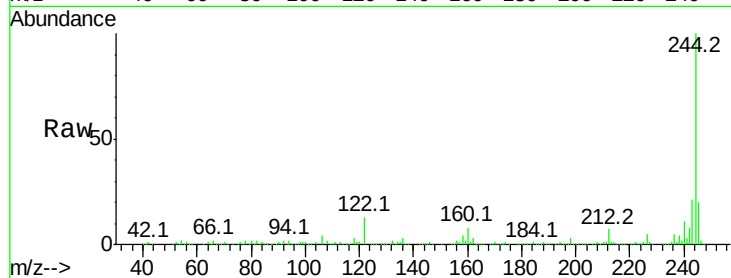




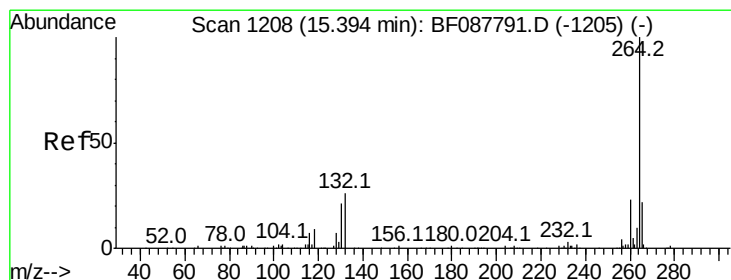
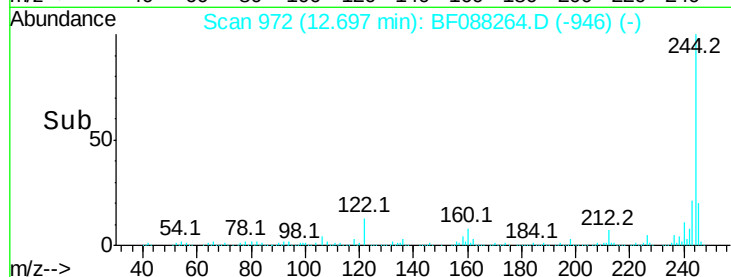
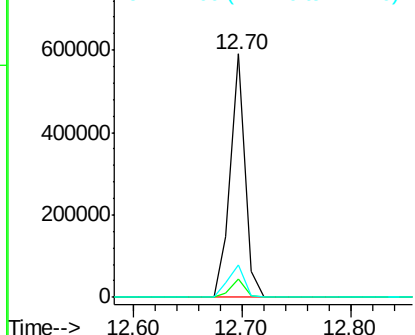
#78
 Terphenyl-d14
 Concen: 80.96 ng
 RT: 12.70 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: BF088264.D
 Acq: 22 Jun 2016 22:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 553531
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.1 11.2 16.8

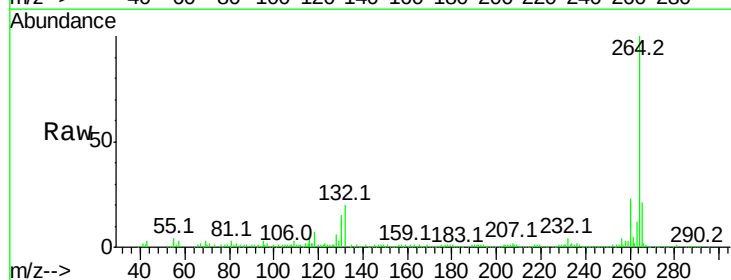


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF088264.D
 Acq: 22 Jun 2016 22:14

Tgt Ion:264 Resp: 156606
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 21.3 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

