

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088290.D
 Acq On : 23 Jun 2016 12:18
 Operator : UM/SJ
 Sample : H3084-09
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 13:54:22 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	19947	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	74547	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	32483	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	47338	20.00	ng	0.00
75) Chrysene-d12	13.75	240	43396	20.00	ng	0.00
86) Perylene-d12	15.11	264	34003	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	18025	15.45	ng	0.03
7) Phenol-d6	6.28	99	16057	11.36	ng	0.02
23) Nitrobenzene-d5	7.18	82	22735	17.81	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	8204	23.92	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	50241	20.07	ng	0.00
78) Terphenyl-d14	12.70	244	36626	19.21	ng	0.00

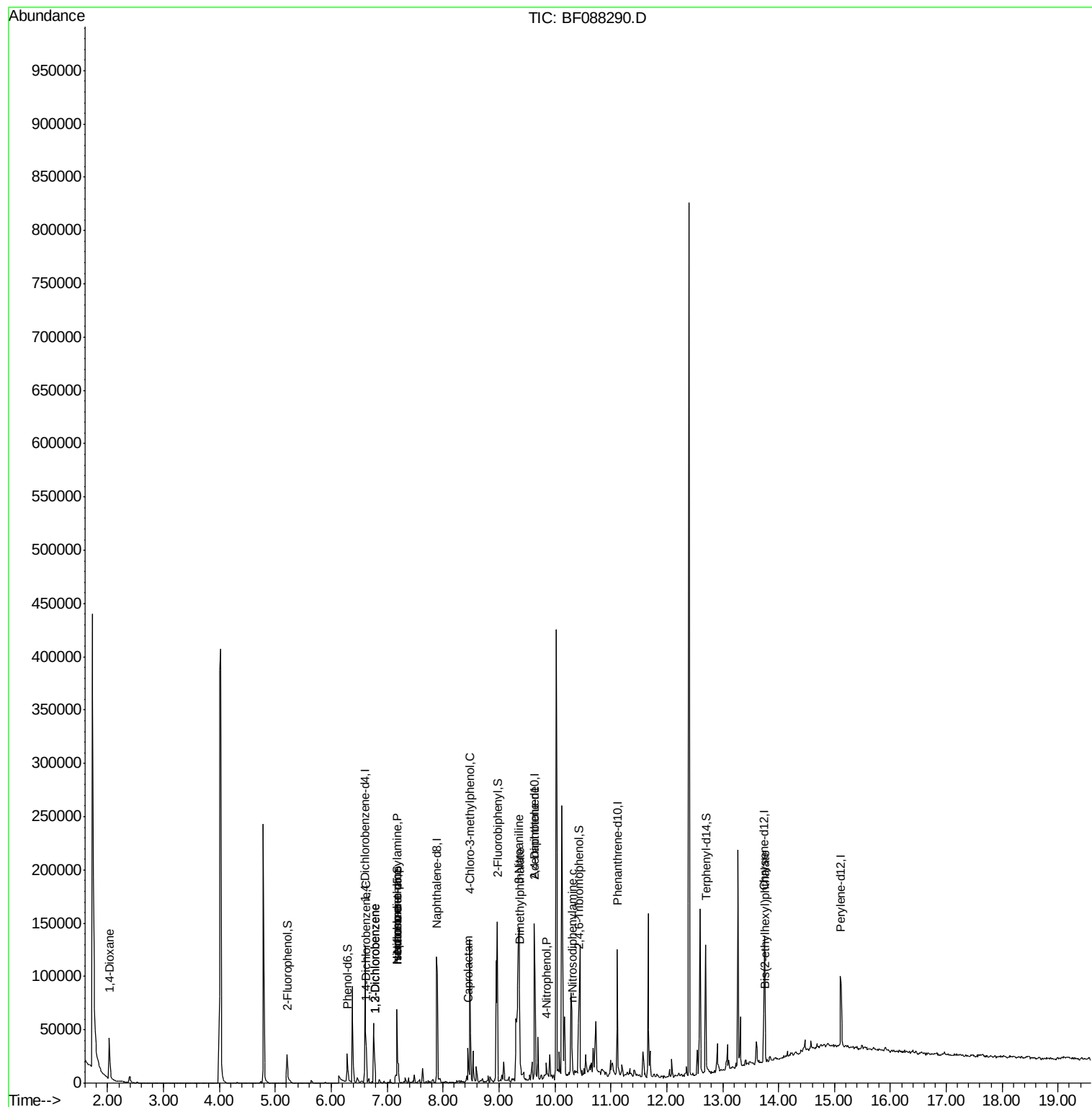
Target Compounds						Qvalue	
2) 1,4-Dioxane	2.03	88	25443	44.88	ng	#	37
10) Phenol	6.30	94	1099	Below Cal		#	50
12) 1,3-Dichlorobenzene	6.78	146	3637	2.45	ng		93
13) 1,4-Dichlorobenzene	6.63	146	14814	9.92	ng		94
14) 1,2-Dichlorobenzene	6.78	146	3636	2.68	ng		95
18) Hexachloroethane	7.18	117	3026	5.71	ng	#	1
19) n-Nitroso-di-n-propylamine	7.18	70	2902	3.21	ng	#	69
25) Isophorone	7.18	82	22734	9.61	ng	#	65
35) Caprolactam	8.44	113	1370	4.06	ng	#	58
36) 4-Chloro-3-methylphenol	8.48	107	18566	17.05	ng	#	19
49) Dimethylphthalate	9.37	163	24637	10.47	ng		99
52) 3-Nitroaniline	9.36	138	113428	182.42	ng	#	1
55) 4-Nitrophenol	9.85	139	3070	6.36	ng	#	10
56) 2,4-Dinitrotoluene	9.63	165	4238	6.12	ng	#	36
57) Fluorene	10.18	166	1232	Below Cal		#	91
65) n-Nitrosodiphenylamine	10.31	169	7337	4.67	ng		97
83) Bis(2-ethylhexyl)phthalate	13.76	149	7658	4.42	ng	#	99

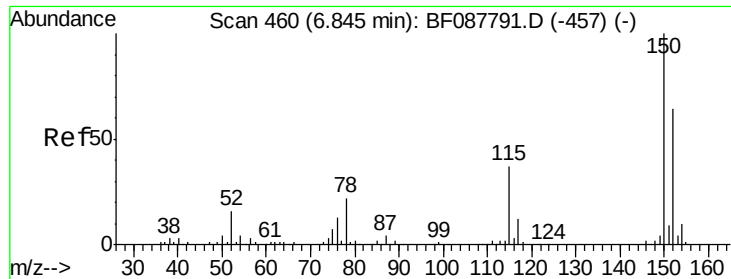
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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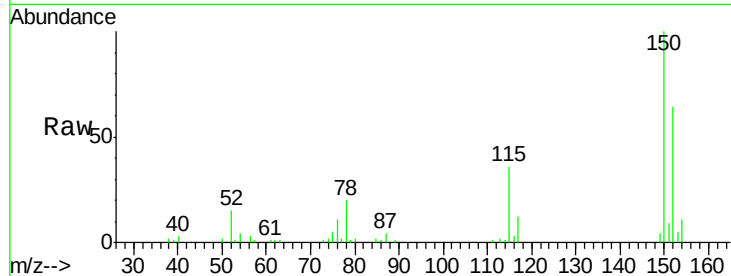


#1

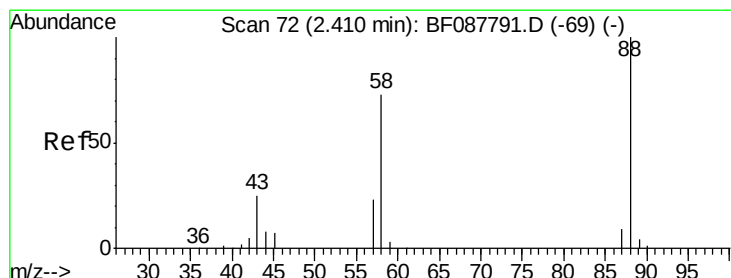
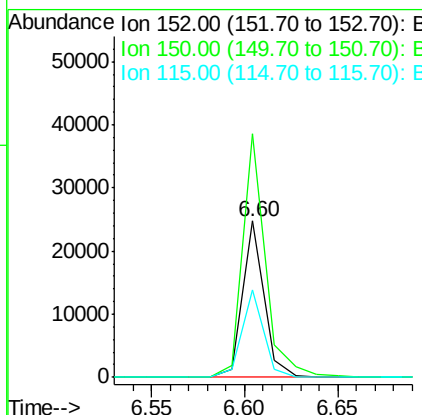
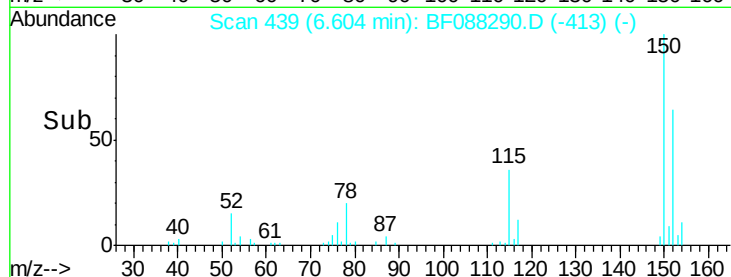
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. -0.00 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 19947
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.6
115 55.6 39.6 59.4



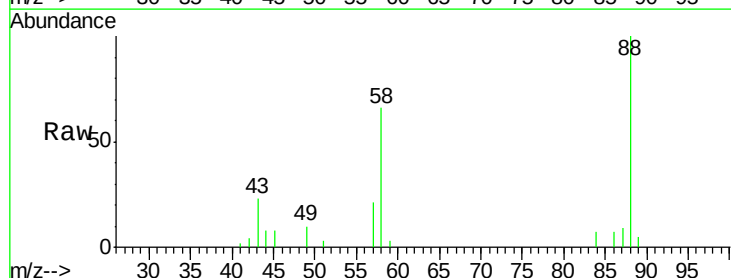
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



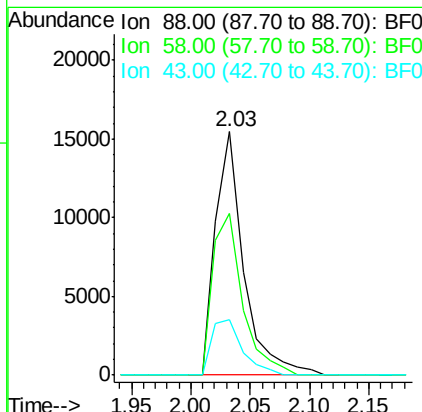
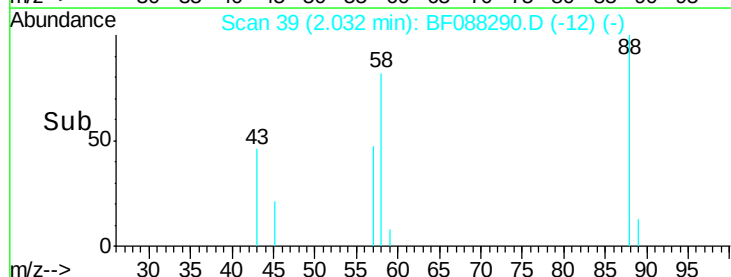
#2

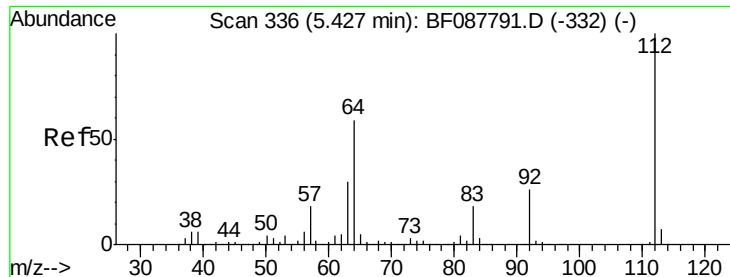
1,4-Dioxane
Concen: 44.88 ng
RT: 2.03 min Scan# 39
Delta R.T. 0.01 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

Tgt Ion: 88 Resp: 25443
Ion Ratio Lower Upper
88 100
58 70.0 0.0 0.0#
43 25.0 3.4 5.2#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 15.45 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.03 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampled :

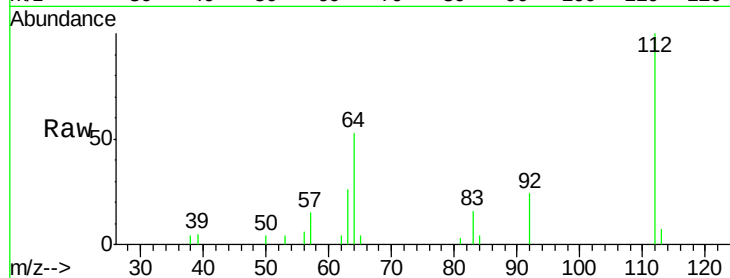
Tot Ion:112 Resp: 18025

Ion Ratio Lower Upper

112 100

64 53.1 42.2 63.2

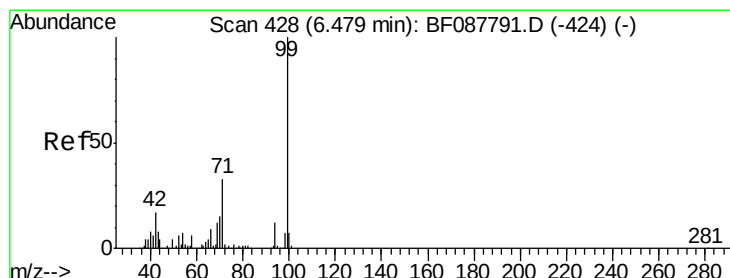
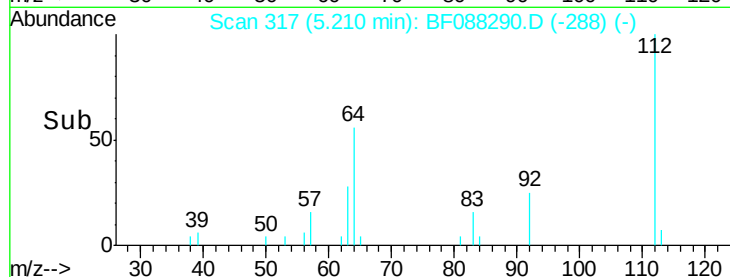
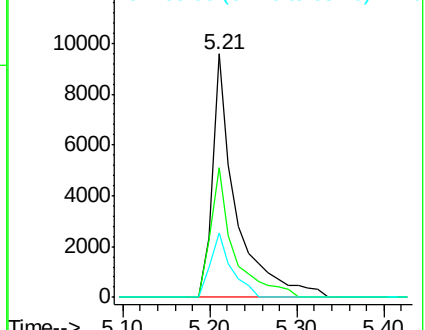
63 26.3 21.8 32.8



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: 11.36 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.02 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

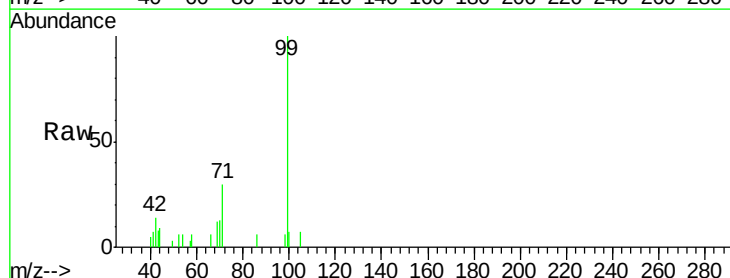
Tgt Ion: 99 Resp: 16057

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

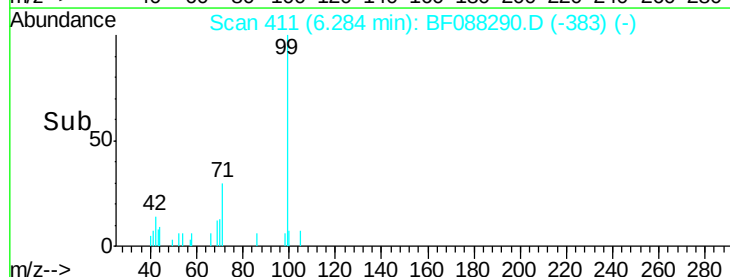
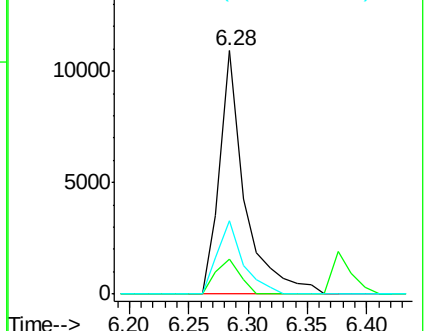
71 30.3 23.4 35.0

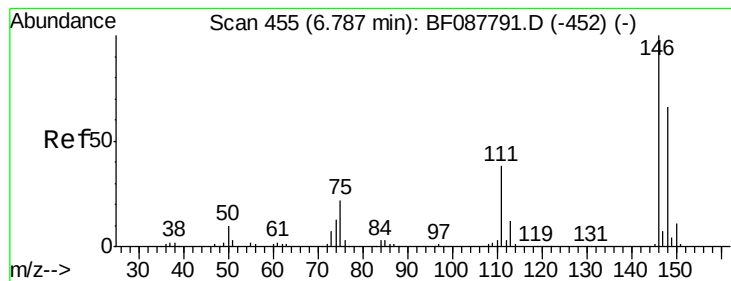


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#12

1,3-Dichlorobenzene

Concen: 2.45 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.24 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampled :

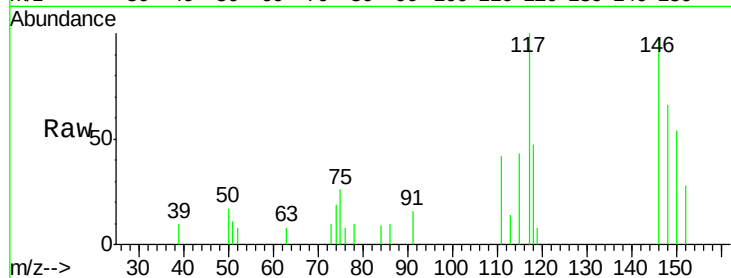
Tot Ion:146 Resp: 3637

Ion Ratio Lower Upper

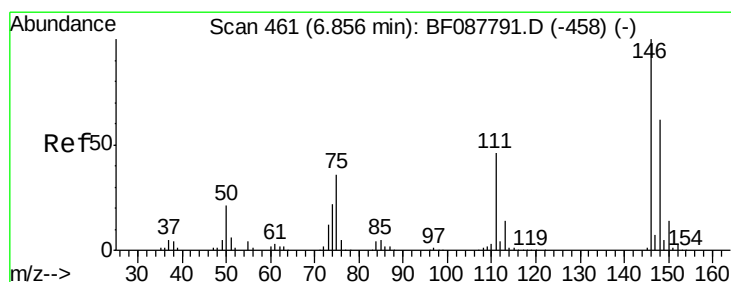
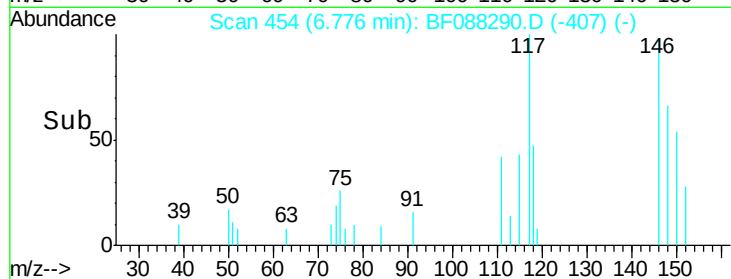
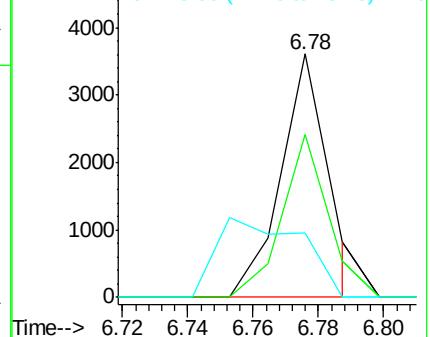
146 100

148 67.2 50.9 76.3

75 26.2 25.6 38.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): E



#13

1,4-Dichlorobenzene

Concen: 9.92 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.01 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

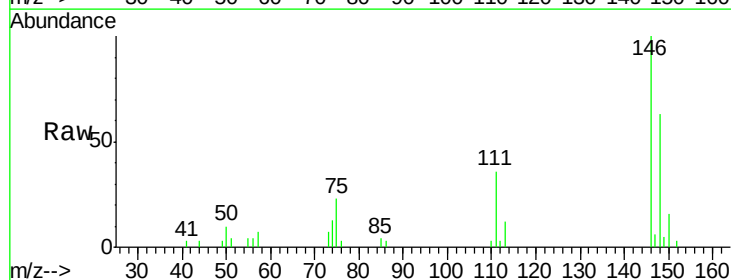
Tgt Ion:146 Resp: 14814

Ion Ratio Lower Upper

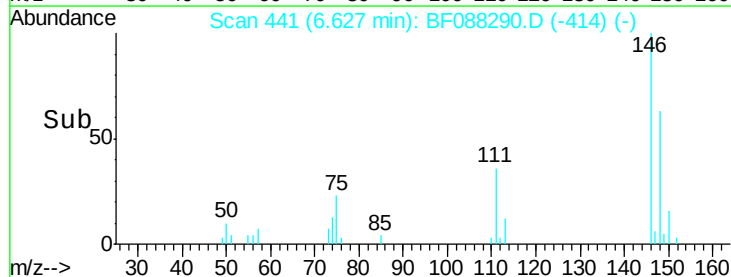
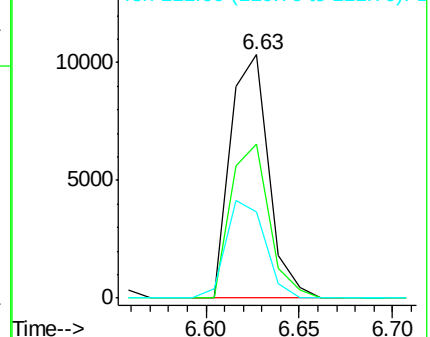
146 100

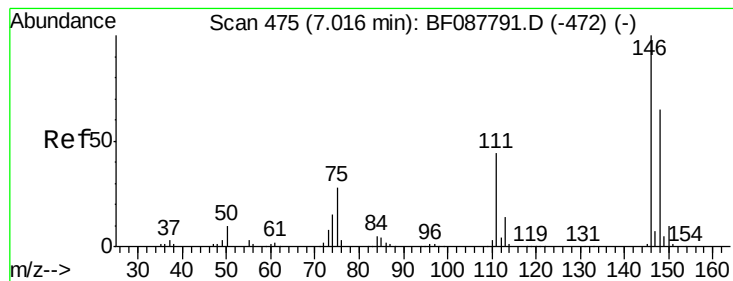
148 63.0 52.0 78.0

111 35.5 33.8 50.8



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 2.68 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampled :

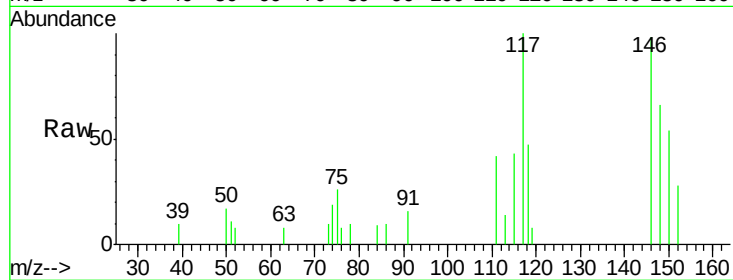
Tot Ion:146 Resp: 3636

Ion Ratio Lower Upper

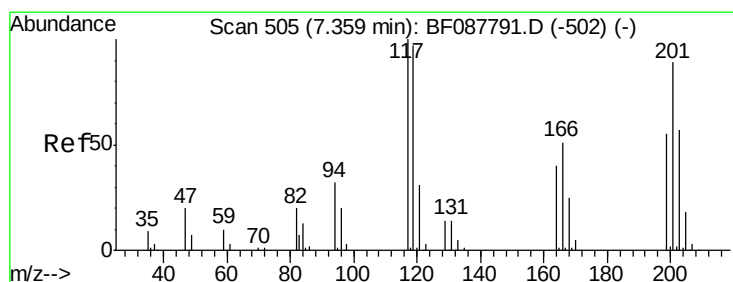
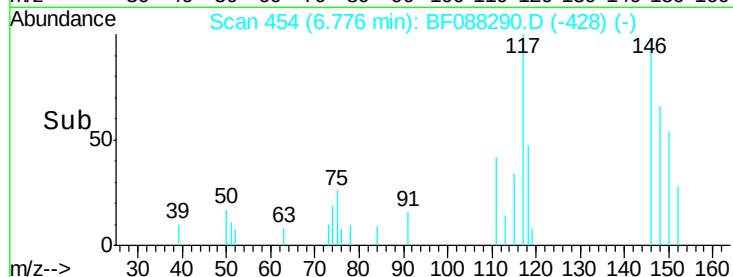
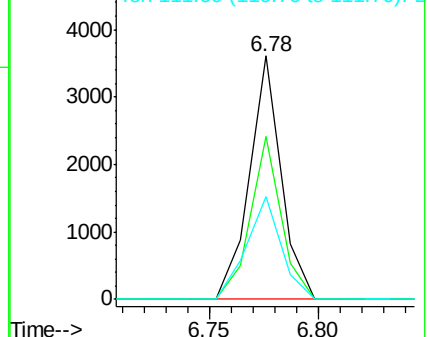
146 100

148 67.2 52.3 78.5

111 42.4 28.7 43.1



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 5.71 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.07 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

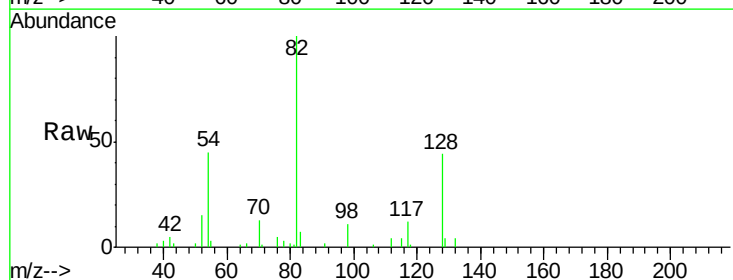
Tgt Ion:117 Resp: 3026

Ion Ratio Lower Upper

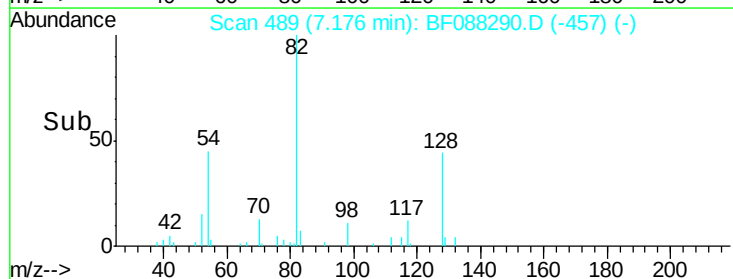
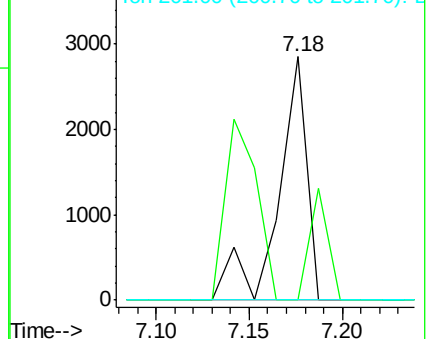
117 100

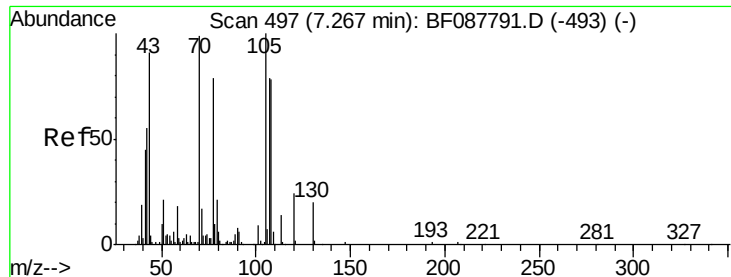
119 0.0 77.4 116.2#

201 0.0 80.4 120.6#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

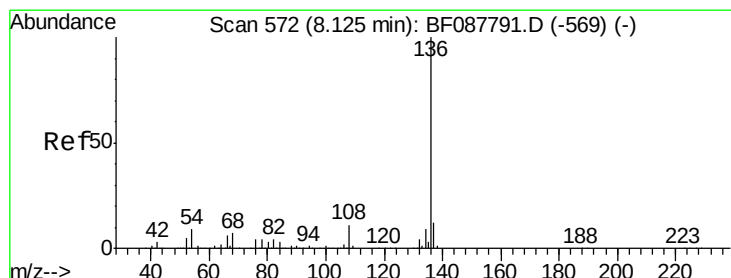
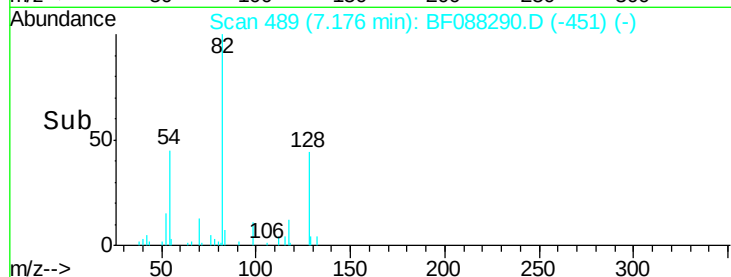
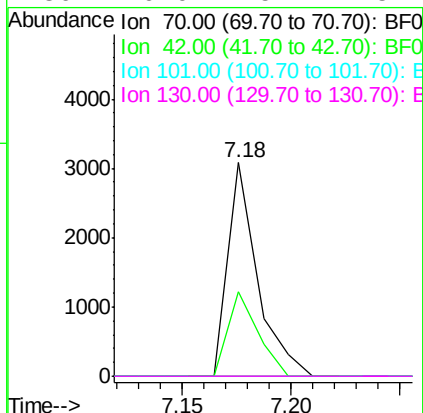
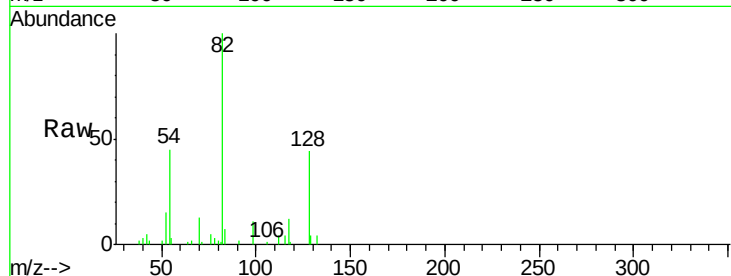




#19
n-Nitroso-di-n-propylamine
Concen: 3.21 ng
RT: 7.18 min Scan# 489
Delta R.T. 0.14 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

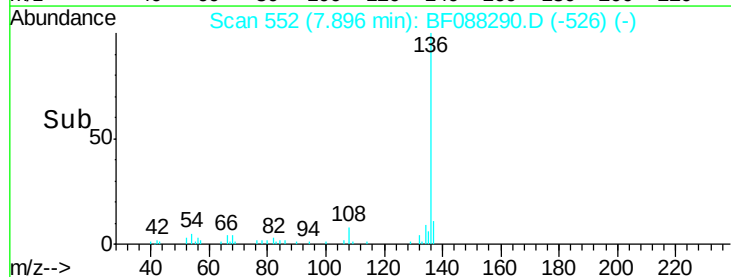
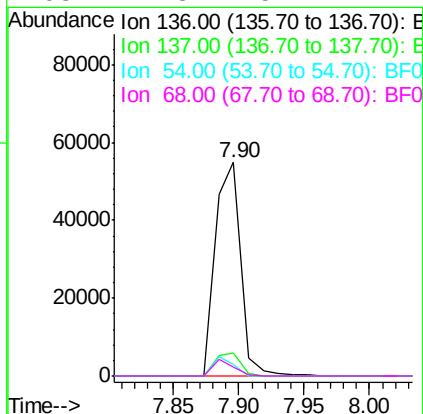
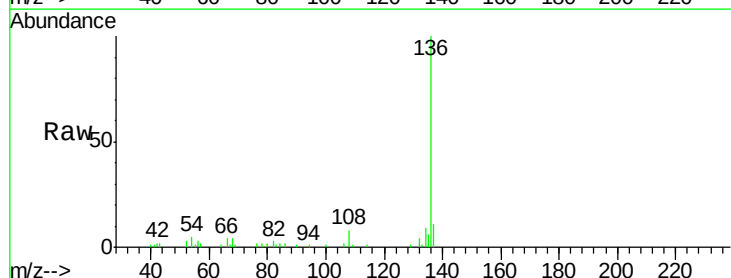
Instrument :
BNA_F
ClientSampleId :

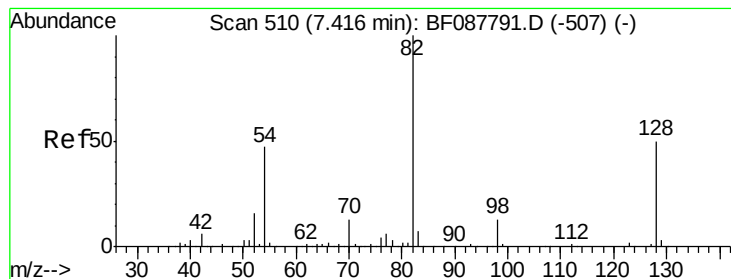
Tot Ion:	70	Resp:	2902
Ion	Ratio	Lower	Upper
70	100		
42	39.8	49.6	74.4#
101	0.0	7.1	10.7#
130	0.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

Tgt Ion:	136	Resp:	74547
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	5.3	6.6	10.0#
68	4.3	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 17.81 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampled :

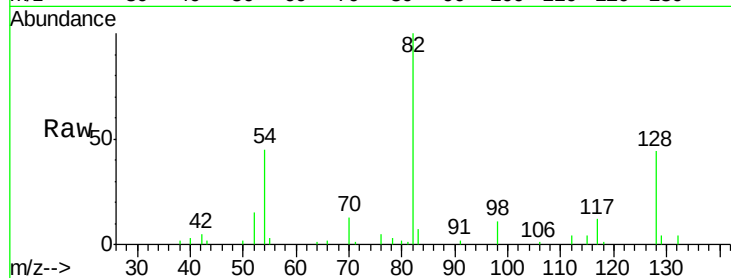
Tot Ion: 82 Resp: 22735

Ion Ratio Lower Upper

82 100

128 44.3 35.9 53.9

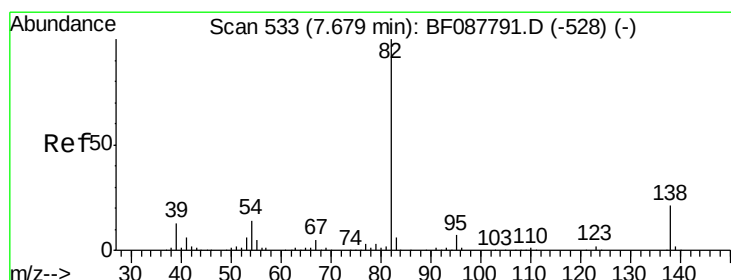
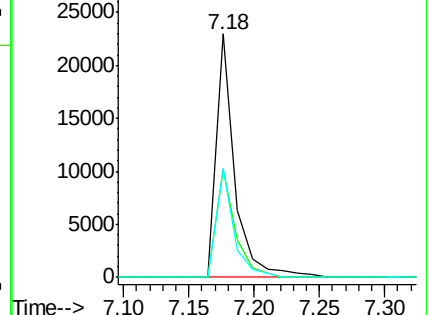
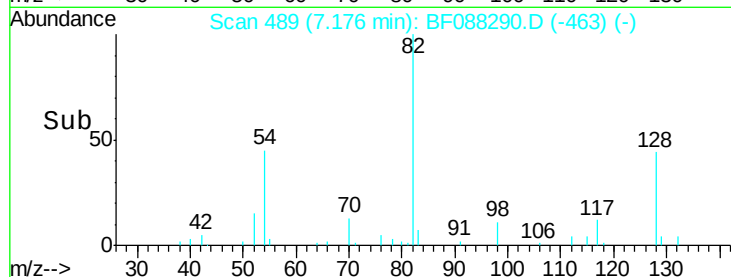
54 44.6 40.9 61.3



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: 9.61 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

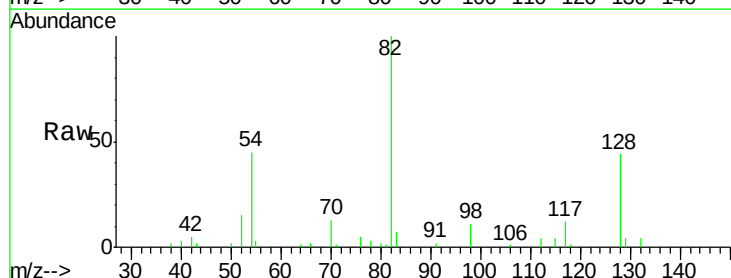
Tgt Ion: 82 Resp: 22734

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

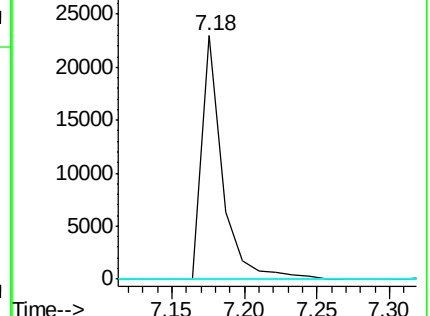
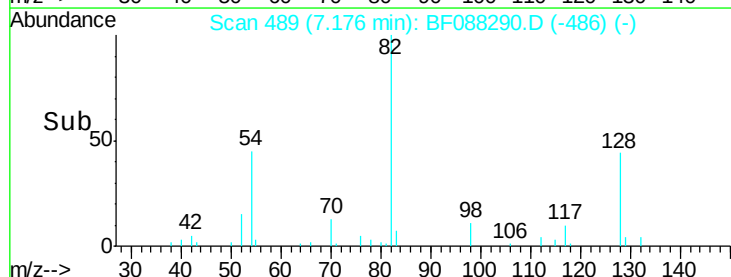
138 0.0 14.6 21.8#

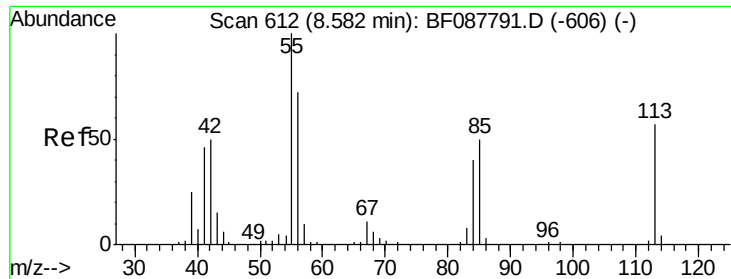


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#35

Caprolactam

Concen: 4.06 ng

RT: 8.44 min Scan# 600

Delta R.T. 0.08 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampleId :

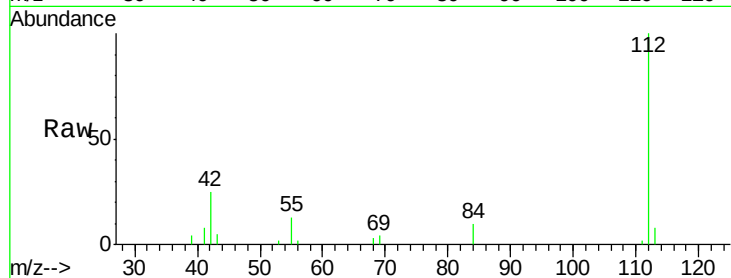
Tot Ion:113 Resp: 1370

Ion Ratio Lower Upper

113 100

55 164.7 158.6 198.6

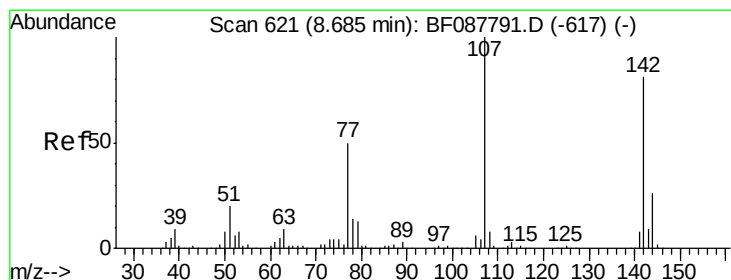
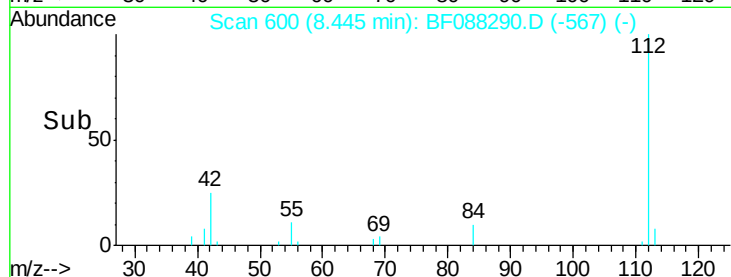
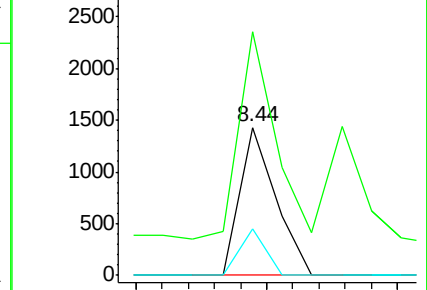
56 31.1 110.6 150.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 17.05 ng

RT: 8.48 min Scan# 603

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

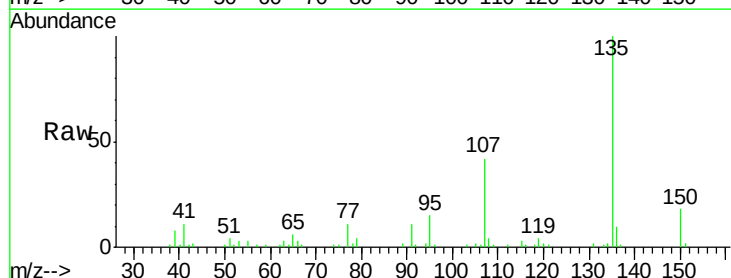
Tgt Ion:107 Resp: 18566

Ion Ratio Lower Upper

107 100

144 0.0 20.8 31.2#

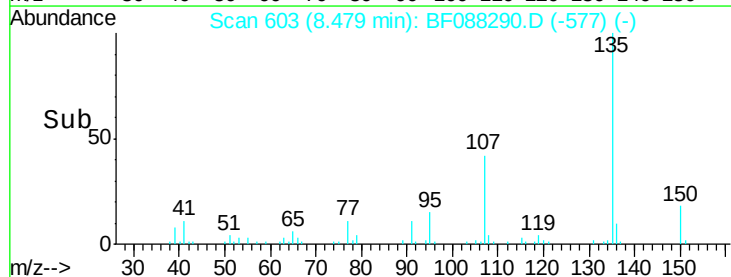
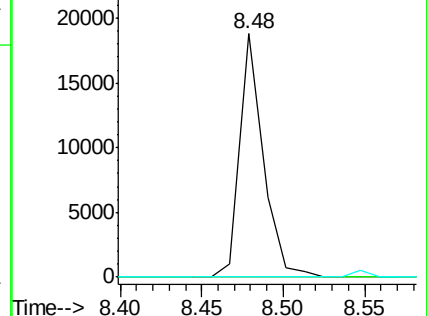
142 0.0 63.4 95.2#

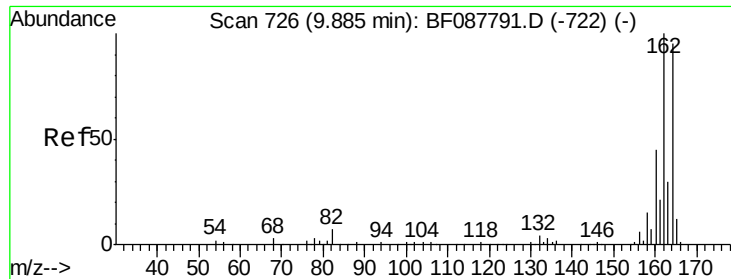


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

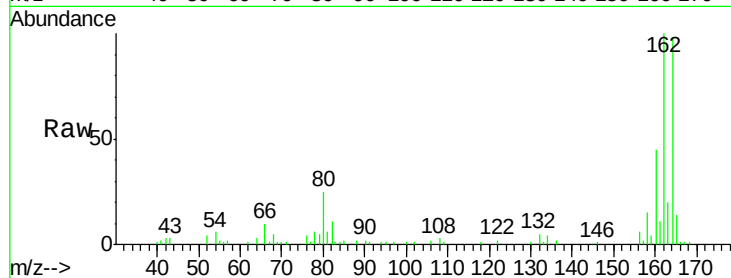




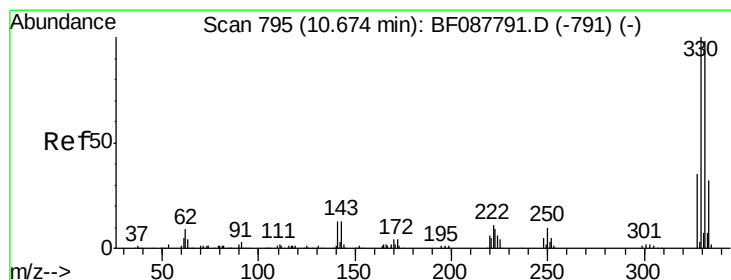
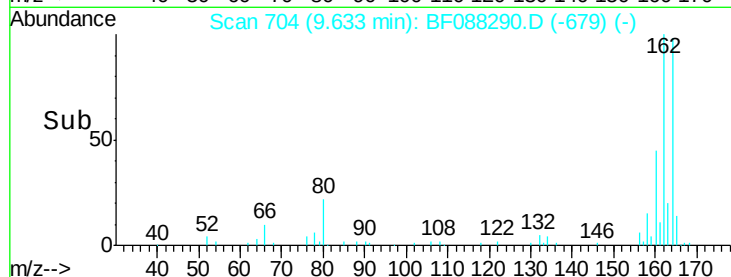
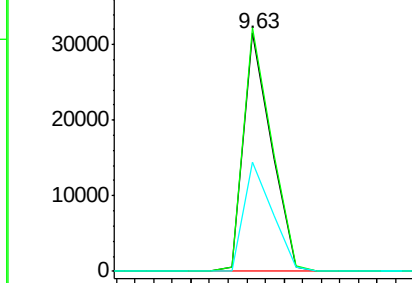
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 32483
Ion Ratio Lower Upper
164 100
162 102.3 85.4 128.2
160 45.6 39.5 59.3

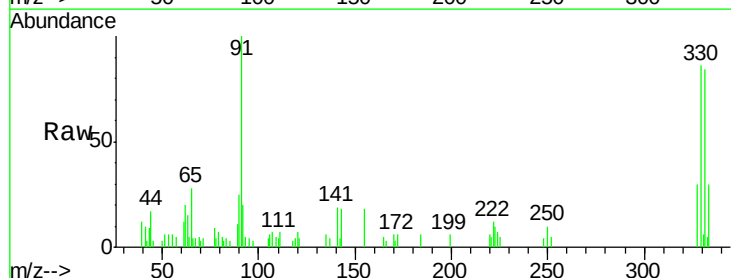


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

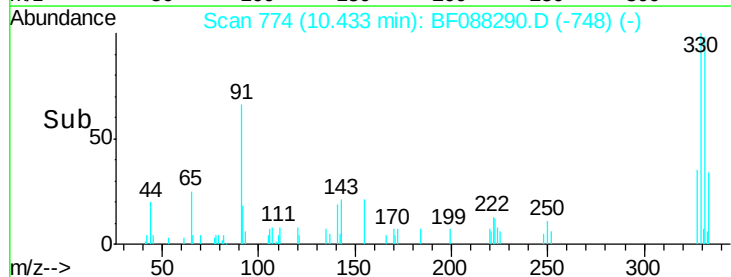
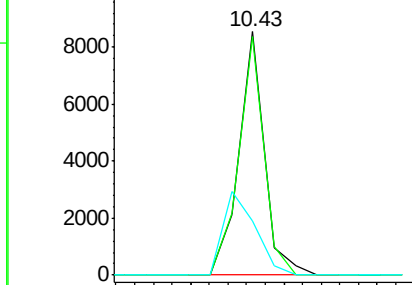


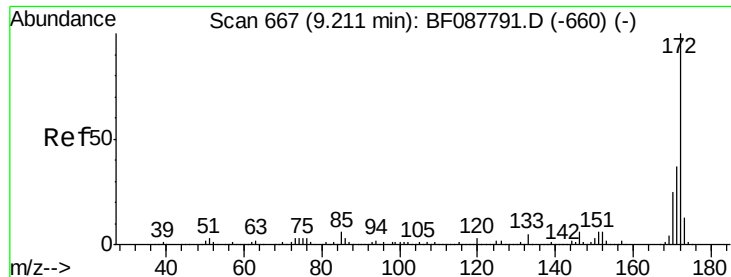
#41
2,4,6-Tribromophenol
Concen: 23.92 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.00 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

Tgt Ion:330 Resp: 8204
Ion Ratio Lower Upper
330 100
332 96.3 0.0 0.0#
141 43.3 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

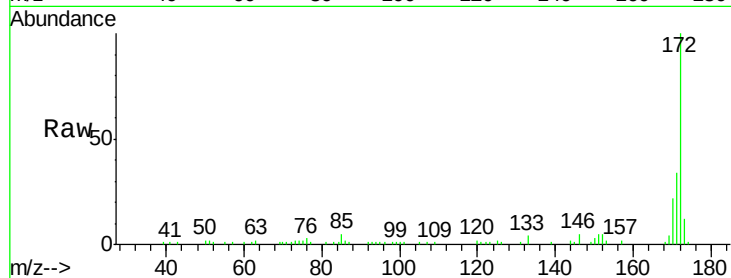




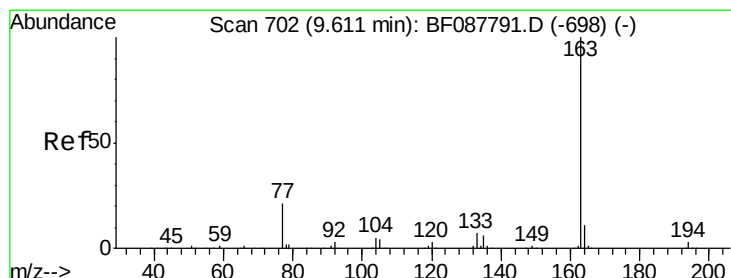
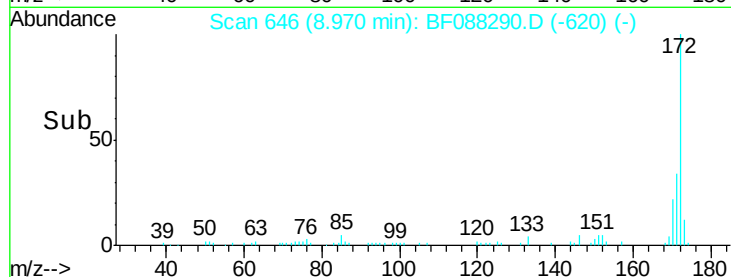
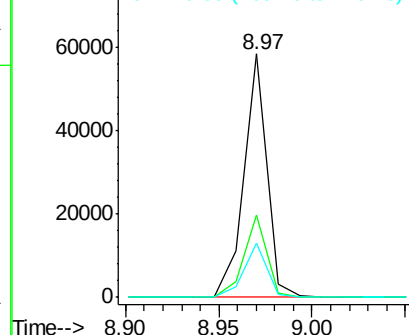
#44
2-Fluorobiphenyl
Concen: 20.07 ng
RT: 8.97 min Scan# 646
Delta R.T. -0.00 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 50241
Ion Ratio Lower Upper
172 100
171 33.8 28.6 43.0
170 22.0 19.2 28.8

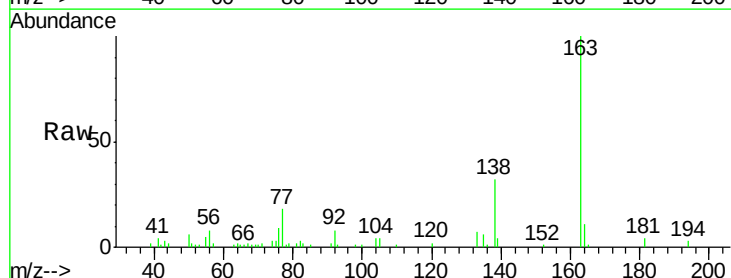


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

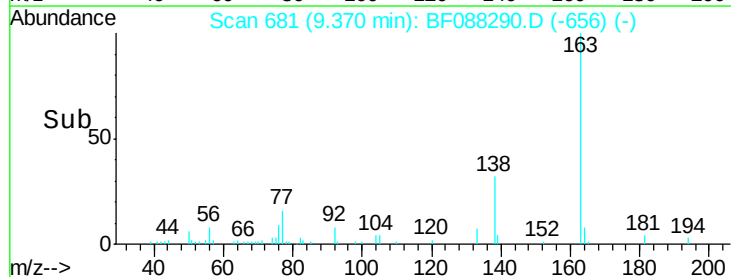
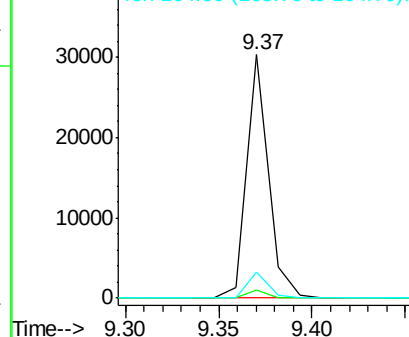


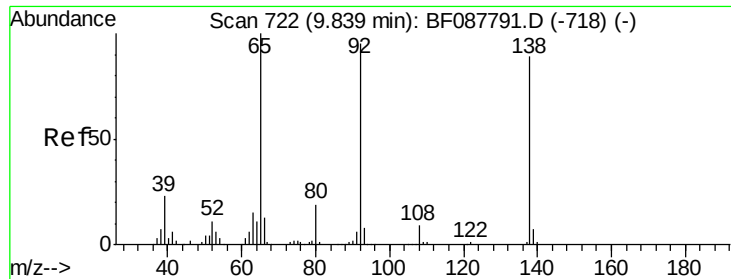
#49
Dimethylphthalate
Concen: 10.47 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF088290.D
Acq: 23 Jun 2016 12:18

Tgt Ion:163 Resp: 24637
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.9 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





#52

3-Nitroaniline

Concen: 182.42 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.25 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampleId :

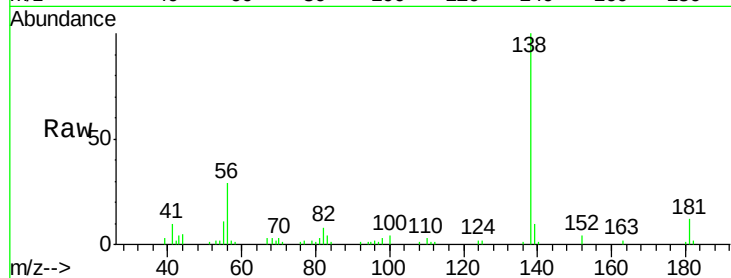
Tot Ion:138 Resp: 113428

Ion Ratio Lower Upper

138 100

108 0.6 8.5 12.7#

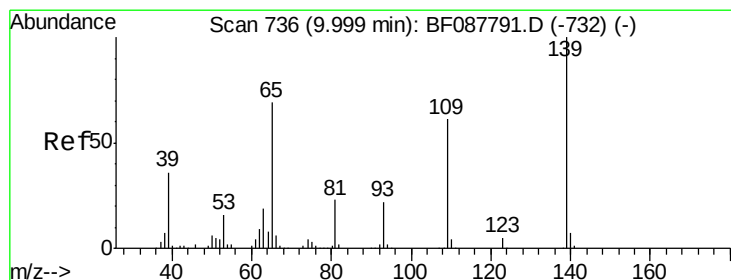
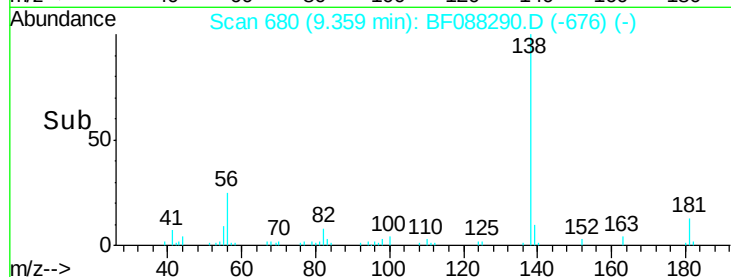
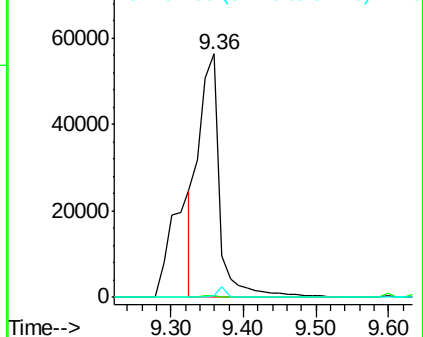
92 0.5 95.7 143.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#55

4-Nitrophenol

Concen: 6.36 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.05 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

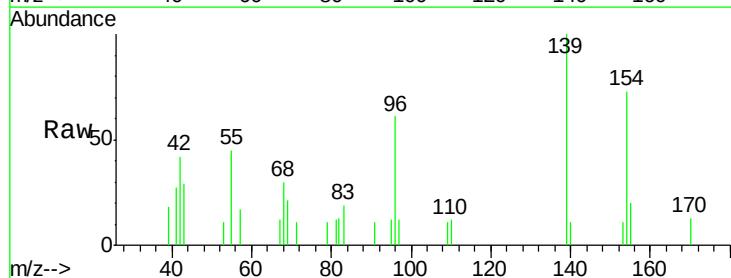
Tgt Ion:139 Resp: 3070

Ion Ratio Lower Upper

139 100

109 11.2 48.9 88.9#

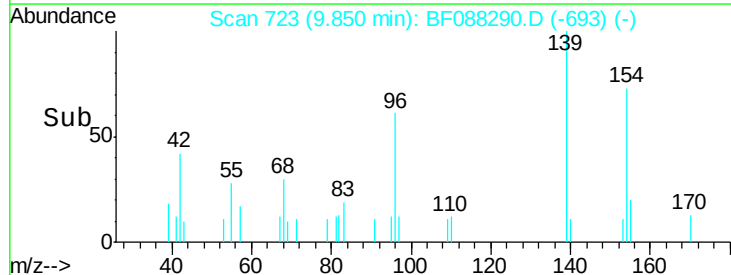
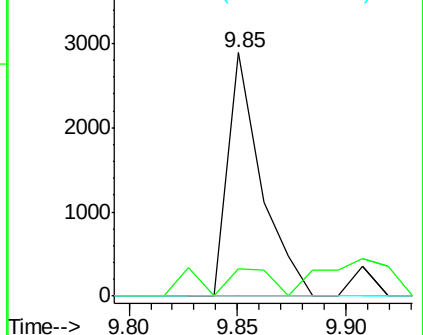
65 0.0 84.9 124.9#

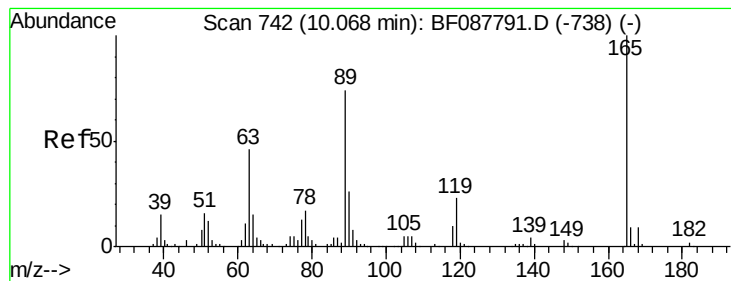


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 9.63 min Scan# 704

Delta R.T. -0.22 min

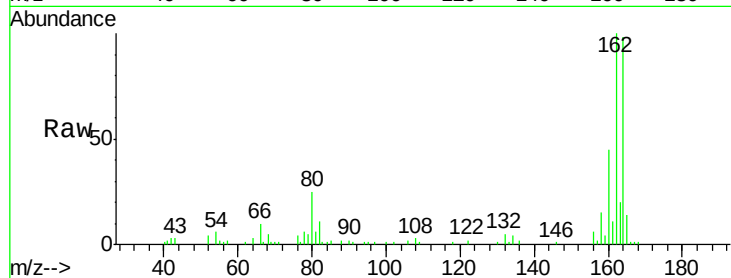
Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampleId :



Tot Ion:165 Resp: 4238

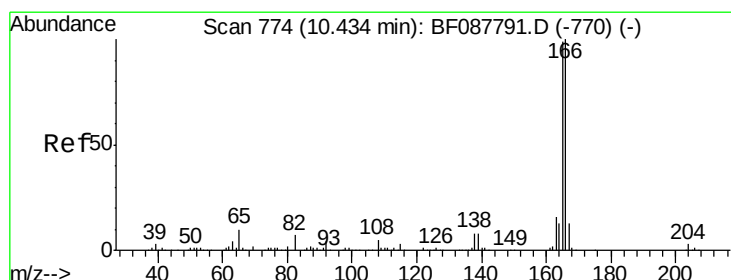
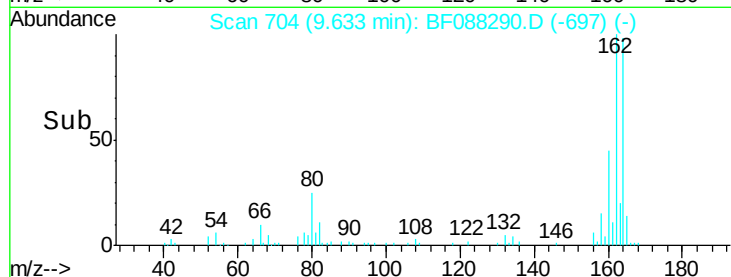
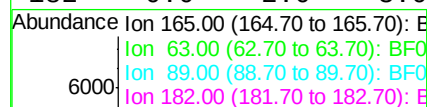
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#



#57

Fluorene

Concen: Below Cal

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

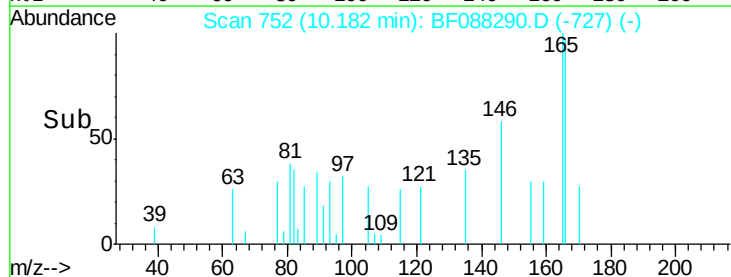
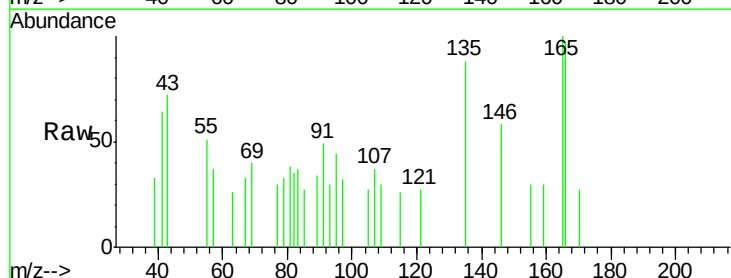
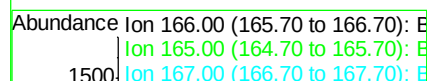
Tgt Ion:166 Resp: 1232

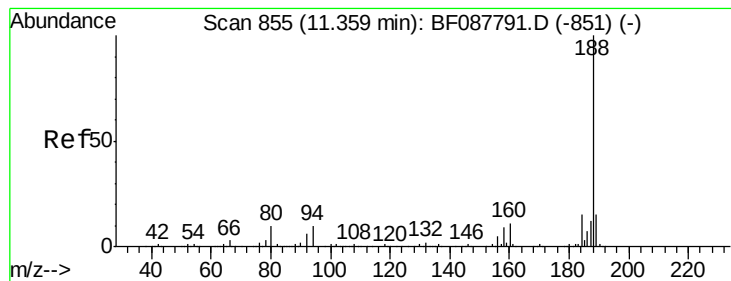
Ion Ratio Lower Upper

166 100

165 103.0 77.8 116.8

167 0.0 11.2 16.8#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 834

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampleId :

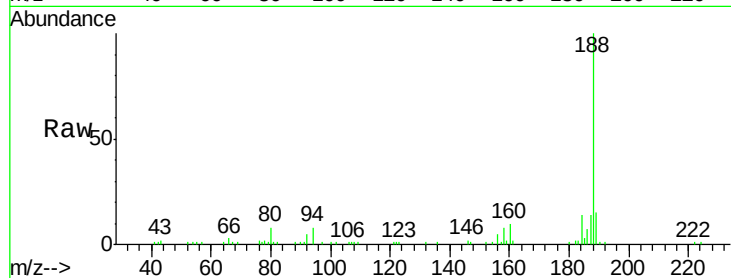
Tot Ion:188 Resp: 47338

Ion Ratio Lower Upper

188 100

94 8.0 9.0 13.6#

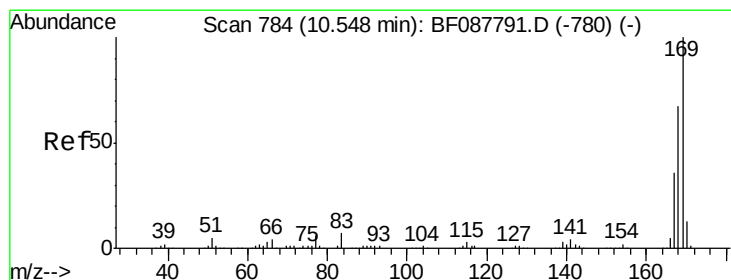
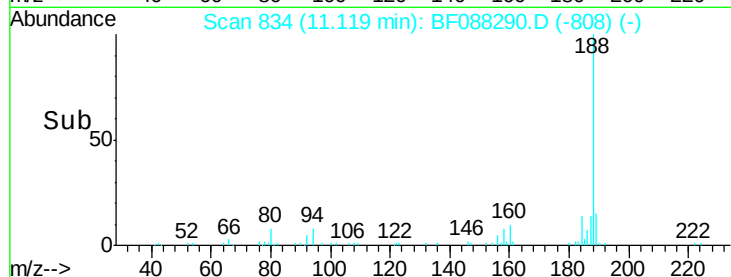
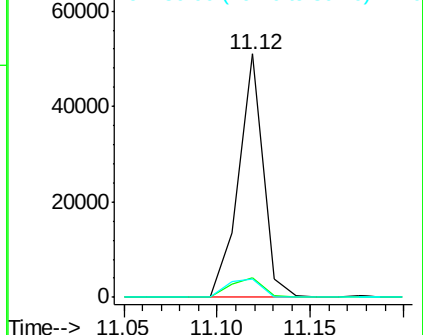
80 7.7 10.0 15.0#



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



#65

n-Nitrosodiphenylamine

Concen: 4.67 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

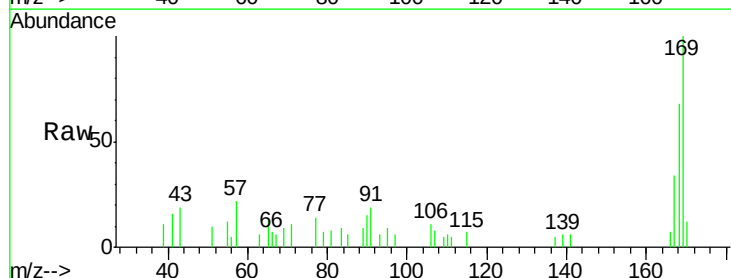
Tgt Ion:169 Resp: 7337

Ion Ratio Lower Upper

169 100

168 68.3 53.4 80.0

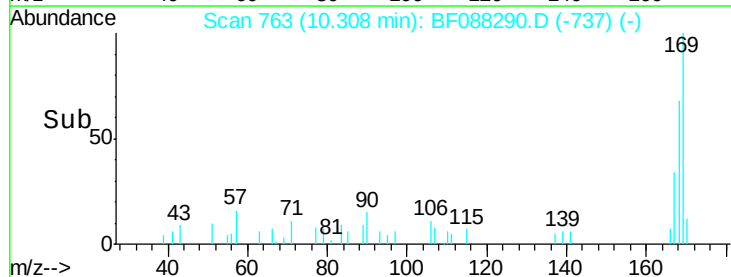
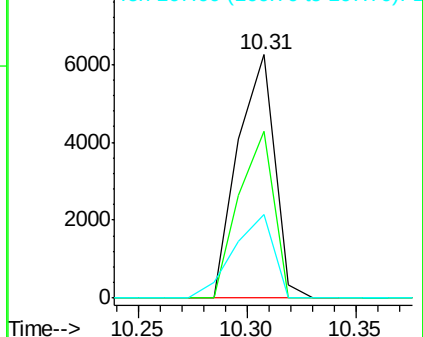
167 34.4 29.4 44.0

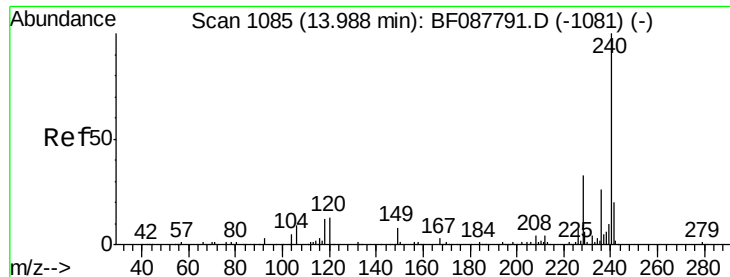


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampleId :

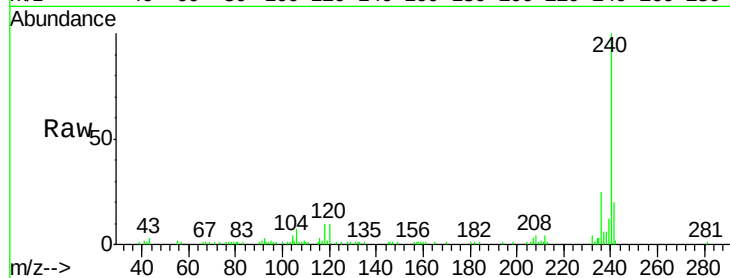
Tot Ion:240 Resp: 43396

Ion Ratio Lower Upper

240 100

120 10.2 6.8 10.2#

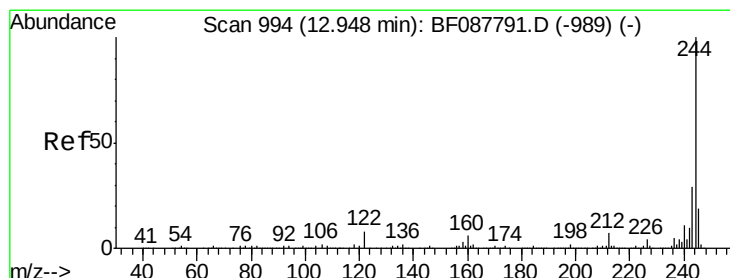
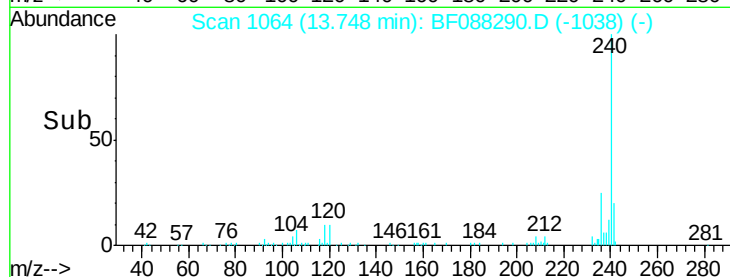
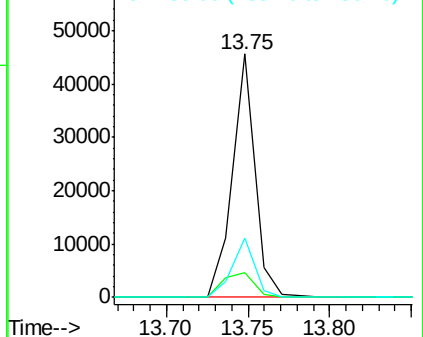
236 24.6 20.2 30.2



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: 19.21 ng

RT: 12.70 min Scan# 972

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

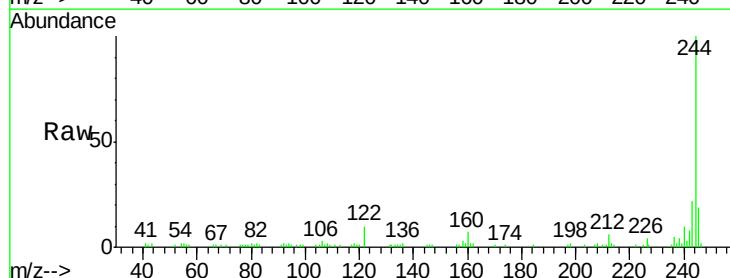
Tgt Ion:244 Resp: 36626

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

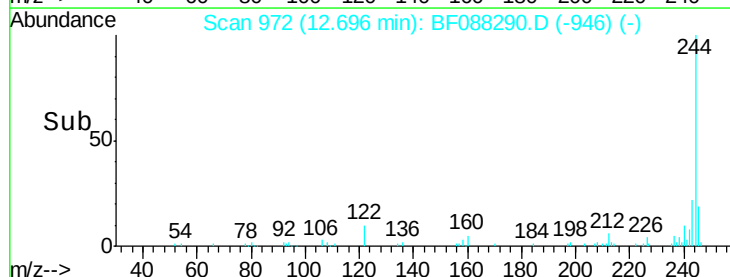
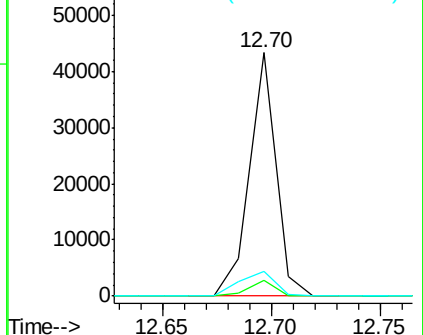
122 10.0 11.2 16.8#

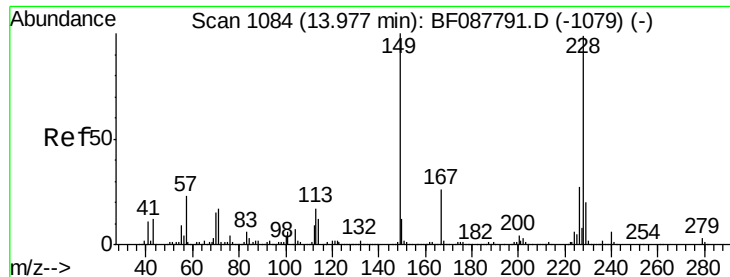


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.42 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.02 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

Instrument :

BNA_F

ClientSampleId :

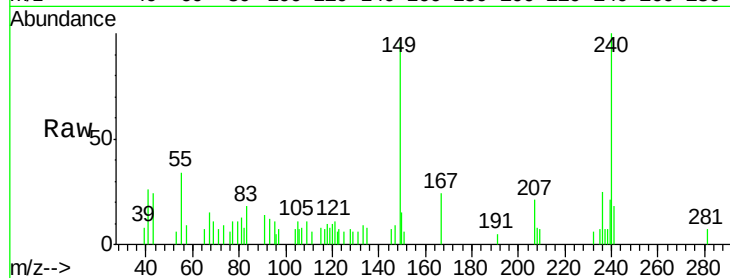
Tot Ion:149 Resp: 7658

Ion Ratio Lower Upper

149 100

167 25.4 20.5 30.7

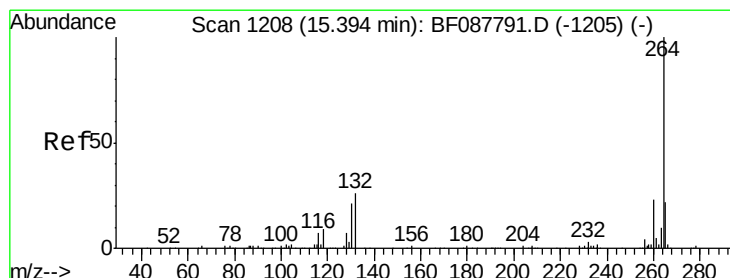
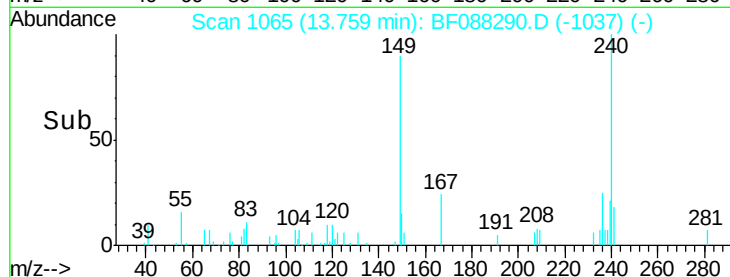
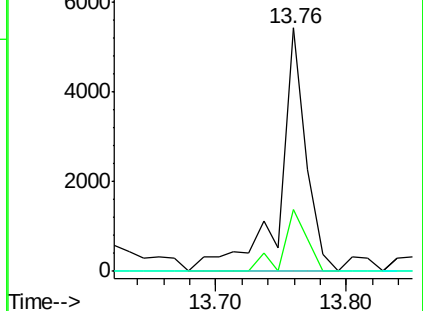
279 0.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.00 min

Lab File: BF088290.D

Acq: 23 Jun 2016 12:18

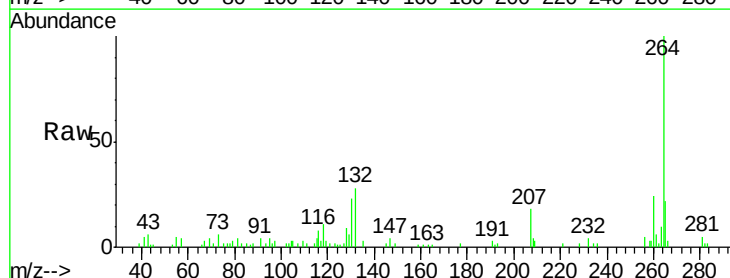
Tgt Ion:264 Resp: 34003

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.5 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

