

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062216\
 Data File : BF088291.D
 Acq On : 23 Jun 2016 12:47
 Operator : UM/SJ
 Sample : H3084-10
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 13:54:37 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	20950	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	82481	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	33656	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	50702	20.00	ng	0.00
75) Chrysene-d12	13.75	240	45714	20.00	ng	0.00
86) Perylene-d12	15.11	264	36695	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	13489	11.01	ng	0.03
7) Phenol-d6	6.28	99	11399	7.68	ng	0.02
23) Nitrobenzene-d5	7.18	82	19995	14.16	ng	0.00
41) 2,4,6-Tribromophenol	10.43	330	7307	20.56	ng	0.00
44) 2-Fluorobiphenyl	8.97	172	49754	18.92	ng	0.00
78) Terphenyl-d14	12.70	244	38629	19.23	ng	0.00

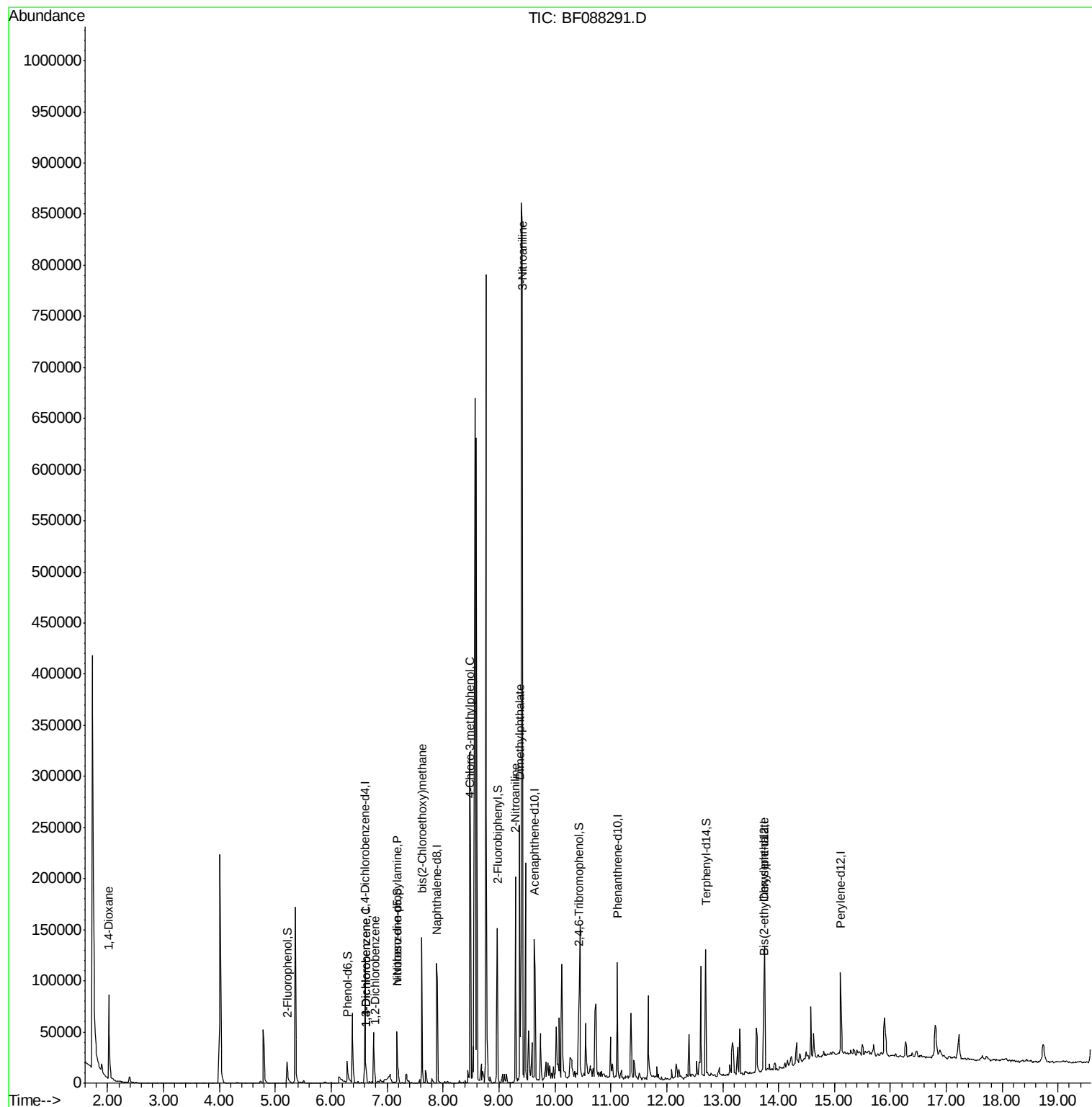
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.02	88	42229	70.92	ng	# 46
10) Phenol	6.30	94	1004	Below Cal		# 58
12) 1,3-Dichlorobenzene	6.63	146	3552	2.28	ng	96
13) 1,4-Dichlorobenzene	6.63	146	3552	2.27	ng	95
14) 1,2-Dichlorobenzene	6.78	146	3802	2.67	ng	96
19) n-Nitroso-di-n-propylamine	7.18	70	2372	2.50	ng	# 71
28) bis(2-Chloroethoxy)methane	7.62	93	4487	2.77	ng	# 10
36) 4-Chloro-3-methylphenol	8.49	107	7510	6.23	ng	# 19
45) 1,1'-Biphenyl	9.29	154	1279	Below Cal		# 1
47) 2-Nitroaniline	9.29	65	1689	2.63	ng	# 7
49) Dimethylphthalate	9.37	163	95086	39.00	ng	100
52) 3-Nitroaniline	9.42	138	1702	2.64	ng	# 1
57) Fluorene	10.12	166	471	Below Cal		# 1
83) Bis(2-ethylhexyl)phthalate	13.74	149	4241	2.32	ng	# 97

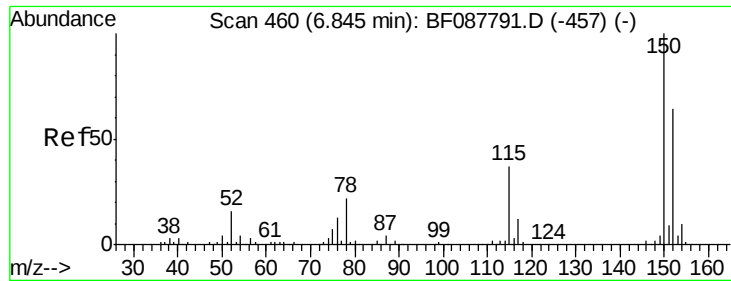
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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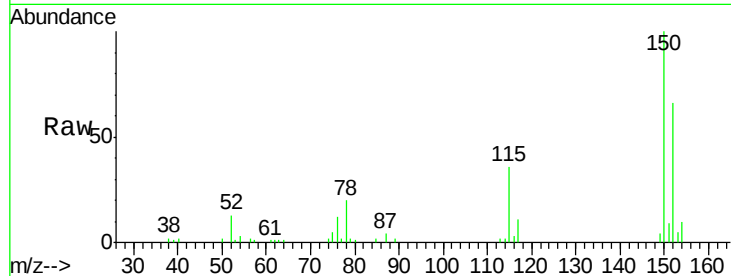


#1

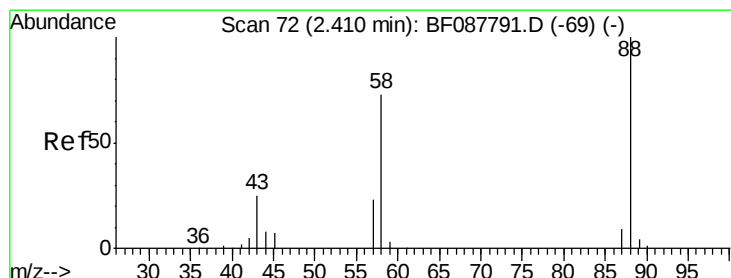
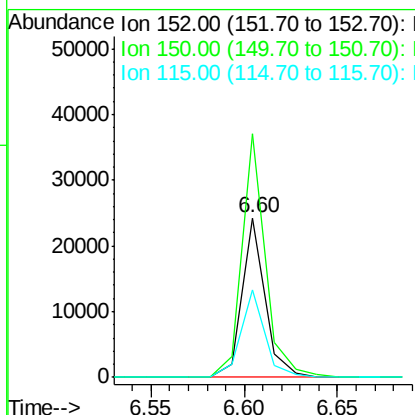
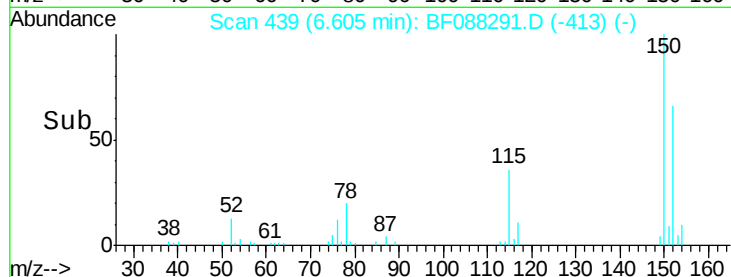
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 20950
Ion Ratio Lower Upper
152 100
150 152.5 123.8 185.6
115 54.7 39.6 59.4



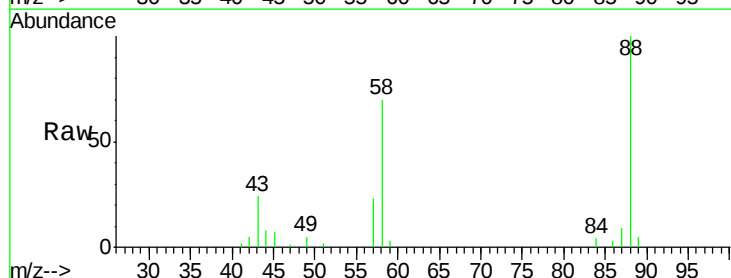
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



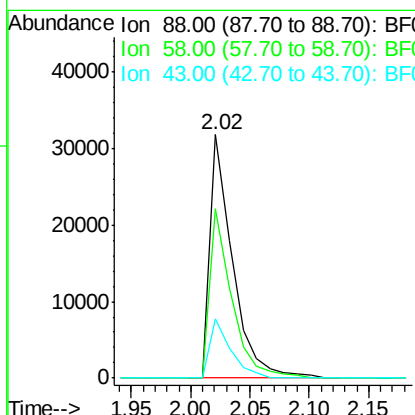
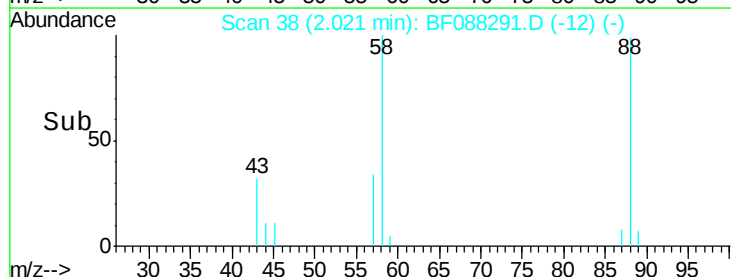
#2

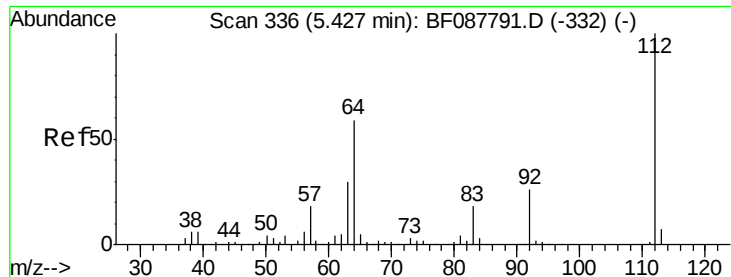
1,4-Dioxane
Concen: 70.92 ng
RT: 2.02 min Scan# 38
Delta R.T. 0.00 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Tgt Ion: 88 Resp: 42229
Ion Ratio Lower Upper
88 100
58 66.9 0.0 0.0#
43 22.1 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: 11.01 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.03 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

Instrument :

BNA_F

ClientSampleId :

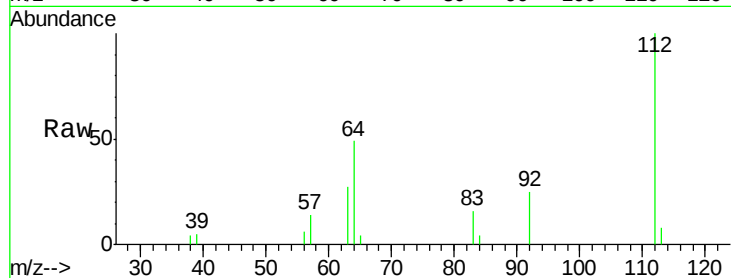
Tot Ion:112 Resp: 13489

Ion Ratio Lower Upper

112 100

64 49.1 42.2 63.2

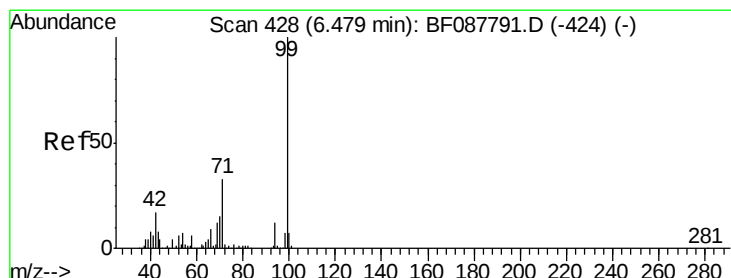
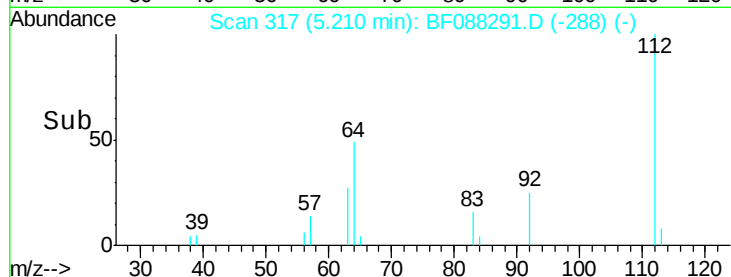
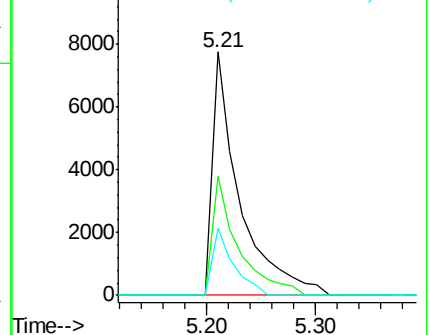
63 27.3 21.8 32.8



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: 7.68 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.02 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

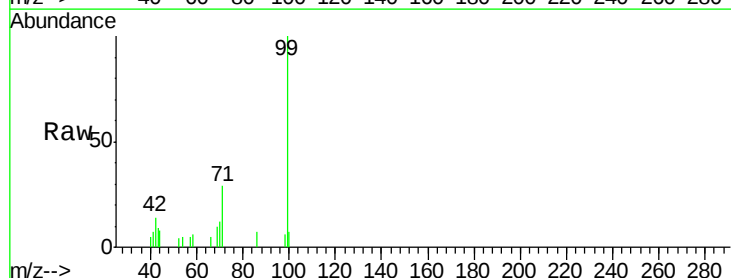
Tgt Ion: 99 Resp: 11399

Ion Ratio Lower Upper

99 100

42 13.8 12.2 18.2

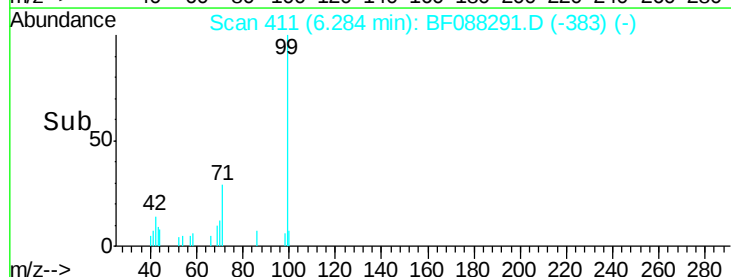
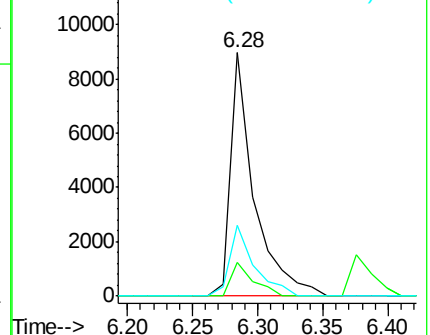
71 29.0 23.4 35.0

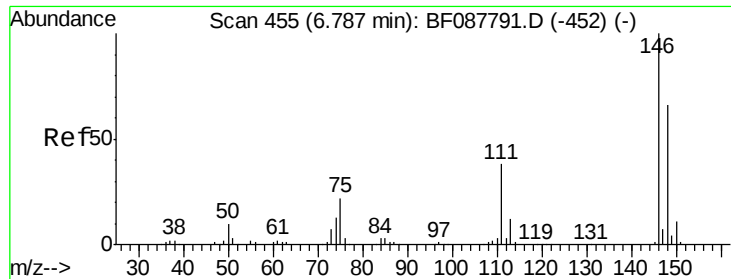


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

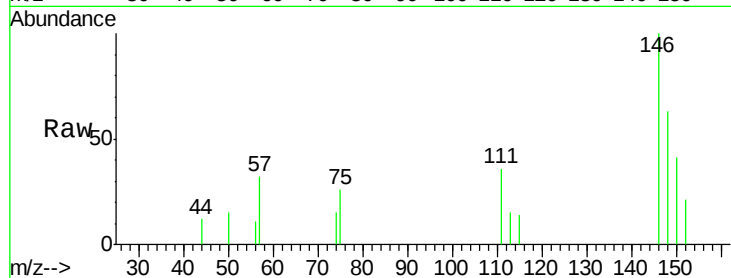




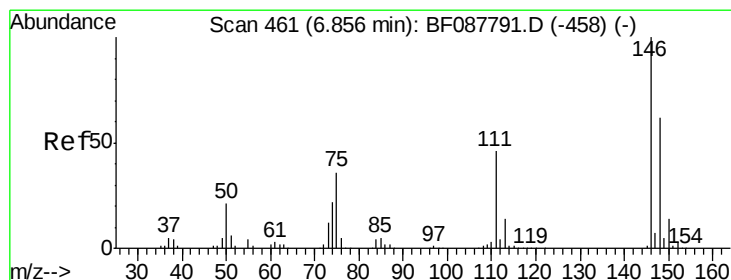
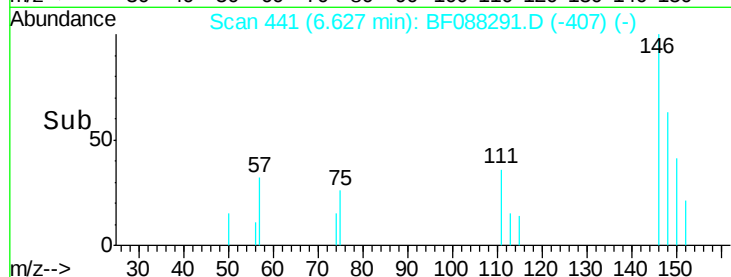
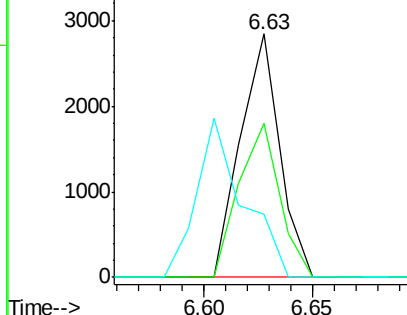
#12
 1,3-Dichlorobenzene
 Concen: 2.28 ng
 RT: 6.63 min Scan# 441
 Delta R.T. 0.09 min
 Lab File: BF088291.D
 Acq: 23 Jun 2016 12:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 3552
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.9 76.3
 75 26.1 25.6 38.4

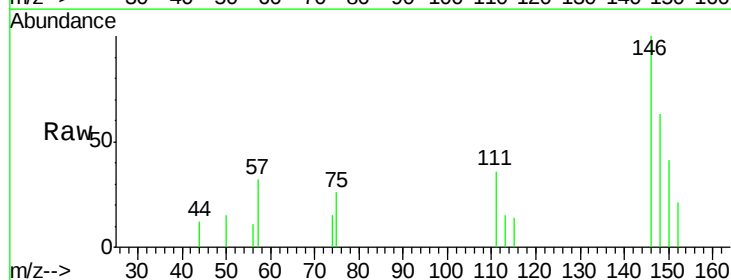


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

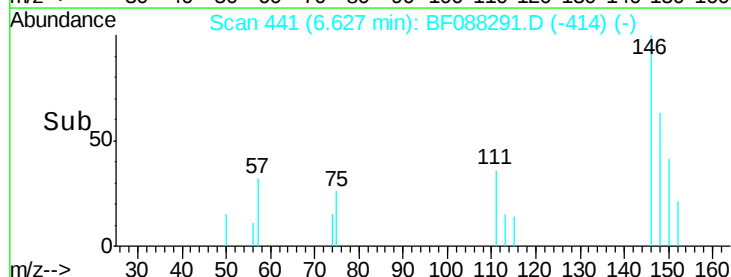
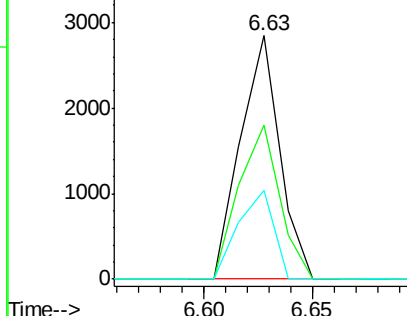


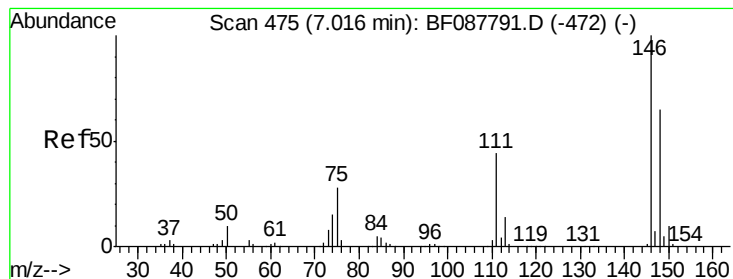
#13
 1,4-Dichlorobenzene
 Concen: 2.27 ng
 RT: 6.63 min Scan# 441
 Delta R.T. 0.01 min
 Lab File: BF088291.D
 Acq: 23 Jun 2016 12:47

Tgt Ion:146 Resp: 3552
 Ion Ratio Lower Upper
 146 100
 148 63.5 52.0 78.0
 111 36.3 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: 2.67 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

Instrument :

BNA_F

ClientSampleId :

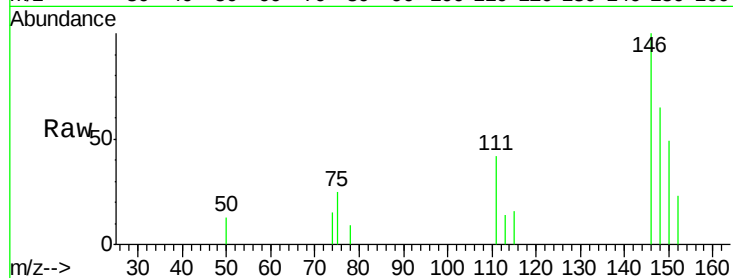
Tot Ion:146 Resp: 3802

Ion Ratio Lower Upper

146 100

148 65.1 52.3 78.5

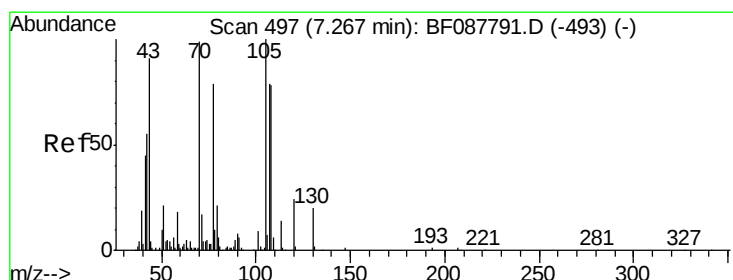
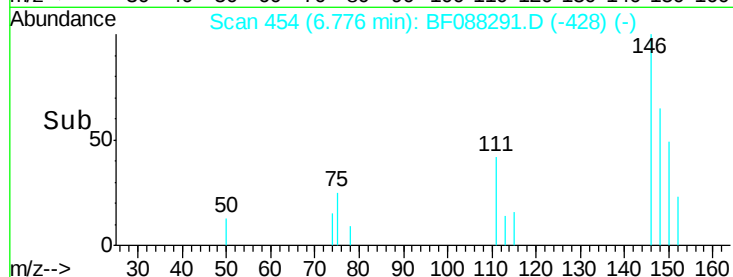
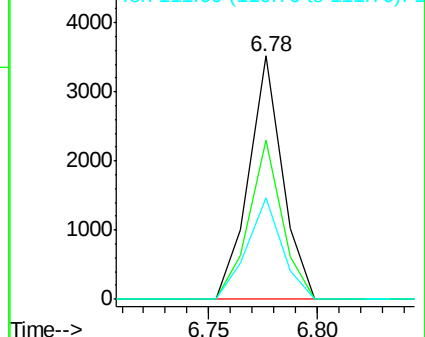
111 41.9 28.7 43.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.50 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.14 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

Tgt Ion: 70 Resp: 2372

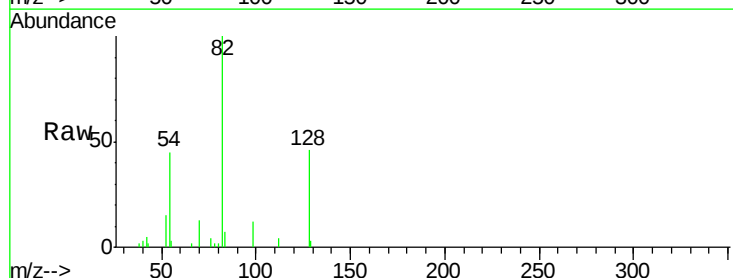
Ion Ratio Lower Upper

70 100

42 42.6 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#

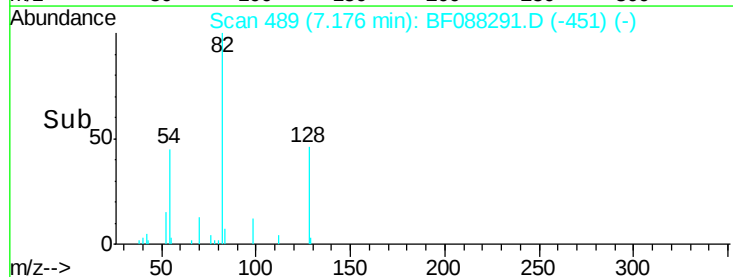
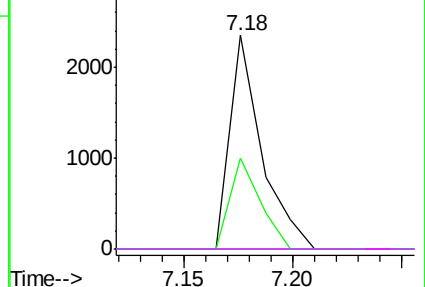


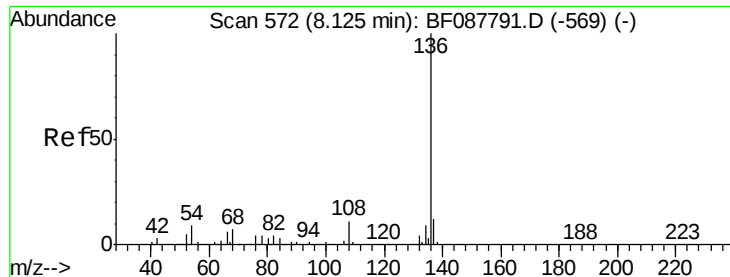
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 82481

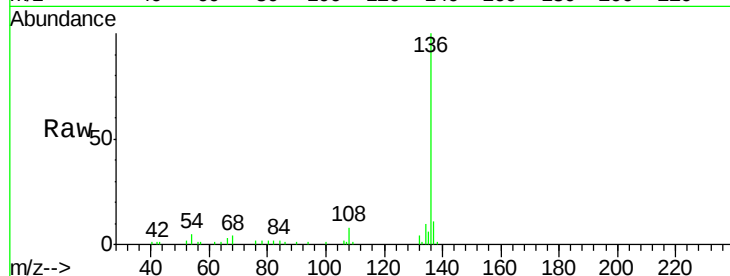
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 4.5 6.6 10.0#

68 4.2 5.1 7.7#

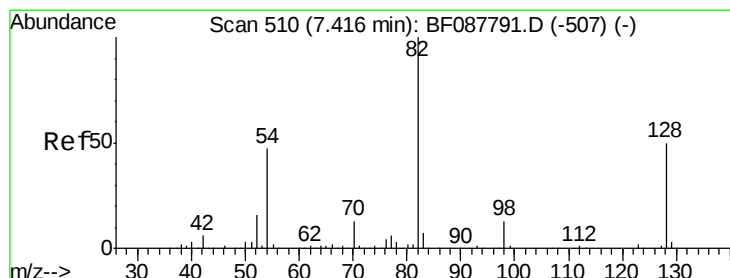
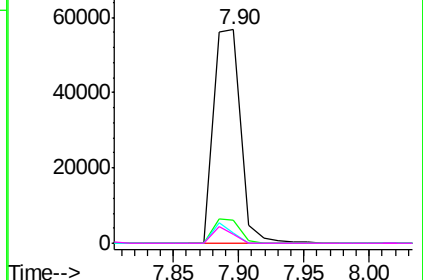
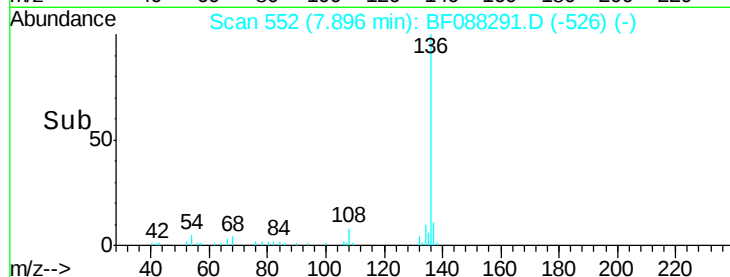


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.16 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

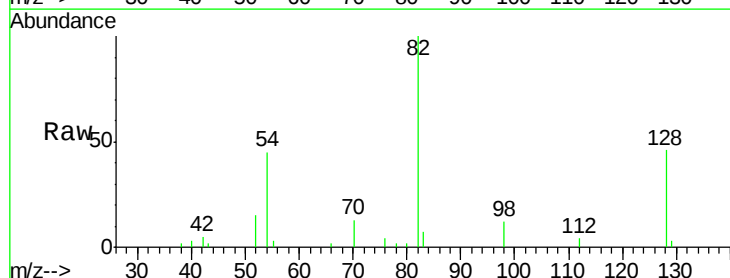
Tgt Ion: 82 Resp: 19995

Ion Ratio Lower Upper

82 100

128 45.6 35.9 53.9

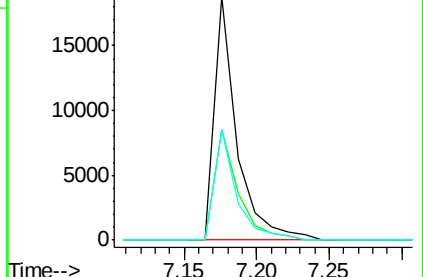
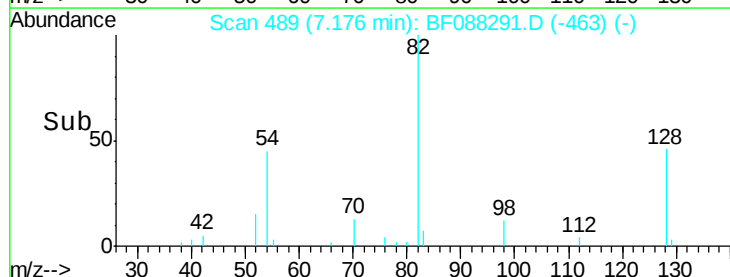
54 45.4 40.9 61.3

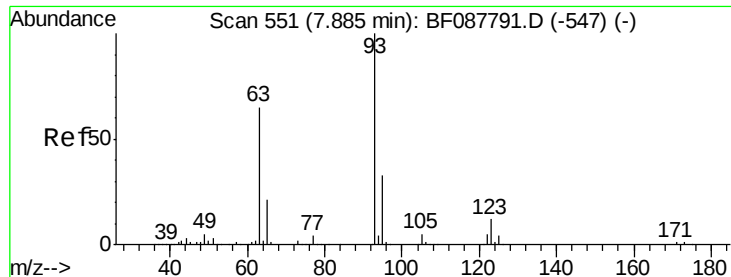


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

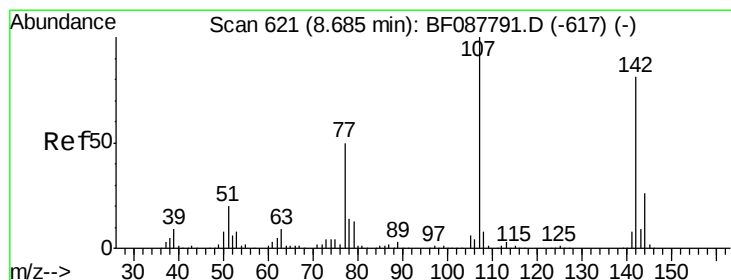
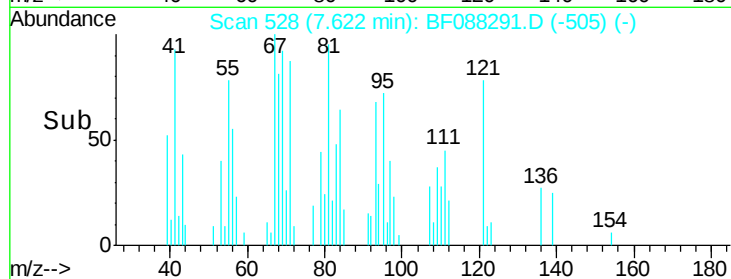
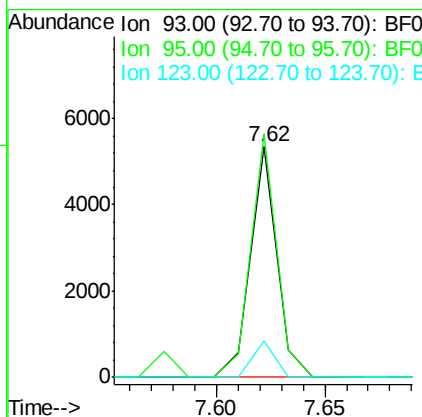
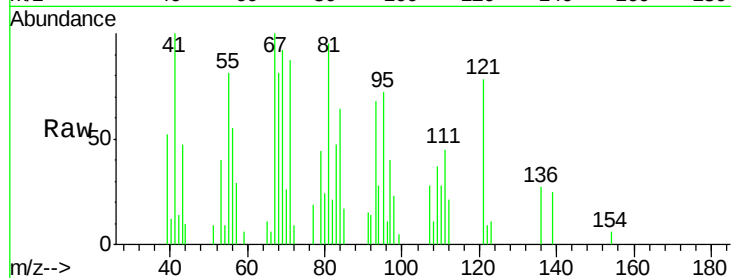




#28
bis(2-Chloroethoxy)methane
Concen: 2.77 ng
RT: 7.62 min Scan# 528
Delta R.T. -0.03 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

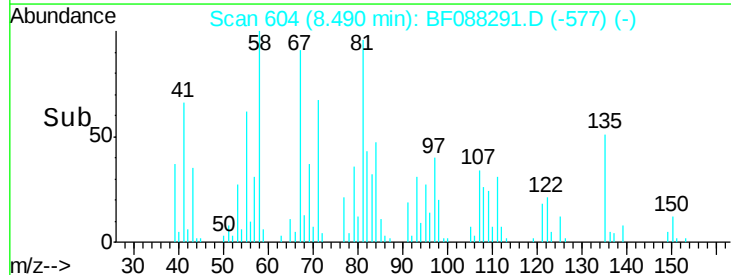
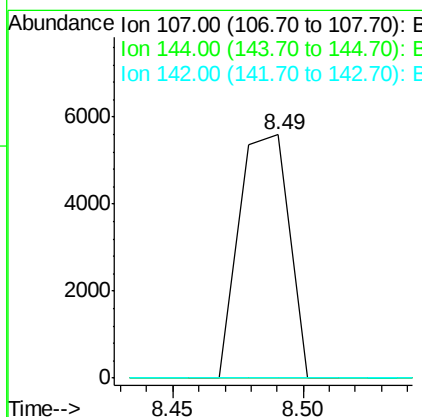
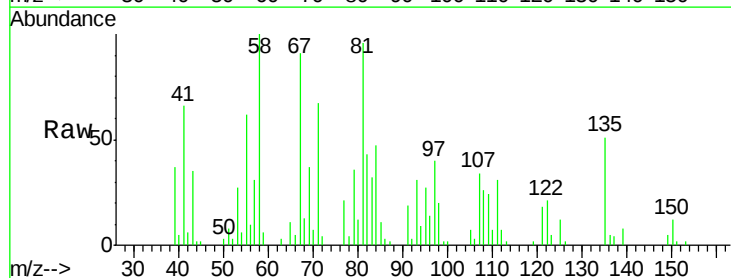
Instrument :
BNA_F
ClientSampleId :

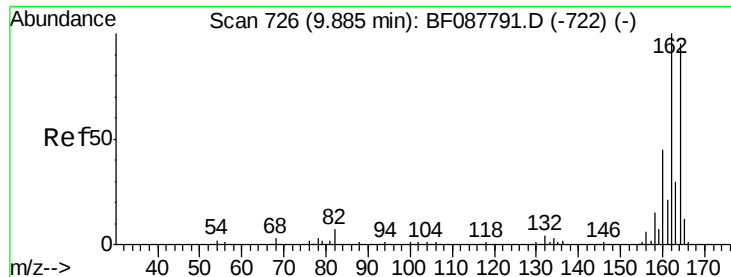
Tot Ion: 93 Resp: 4487
Ion Ratio Lower Upper
93 100
95 105.7 26.5 39.7#
123 15.7 11.6 17.4



#36
4-Chloro-3-methylphenol
Concen: 6.23 ng
RT: 8.49 min Scan# 604
Delta R.T. 0.01 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Tgt Ion: 107 Resp: 7510
Ion Ratio Lower Upper
107 100
144 0.0 20.8 31.2#
142 0.0 63.4 95.2#

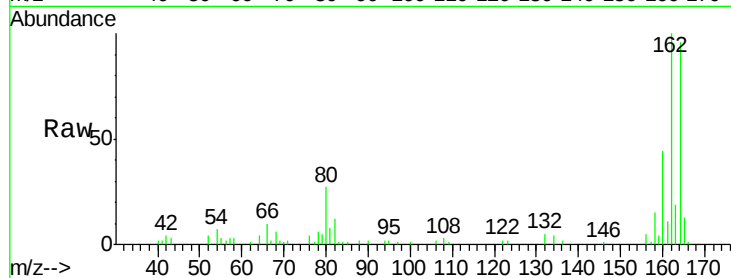




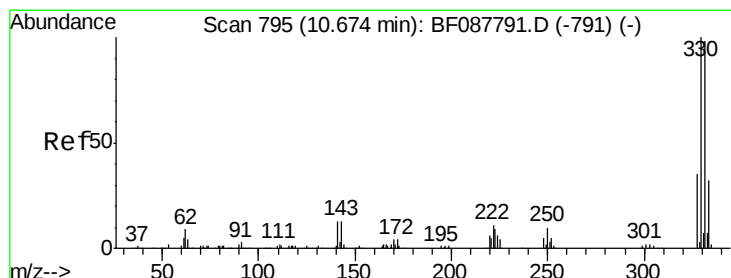
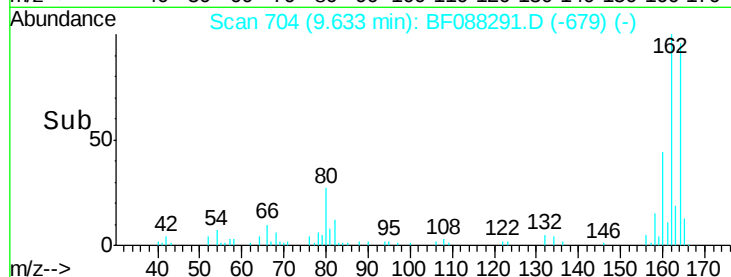
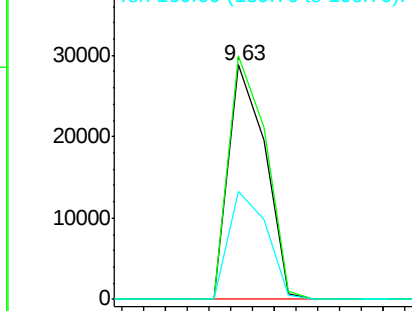
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 33656
Ion Ratio Lower Upper
164 100
162 103.8 85.4 128.2
160 46.0 39.5 59.3

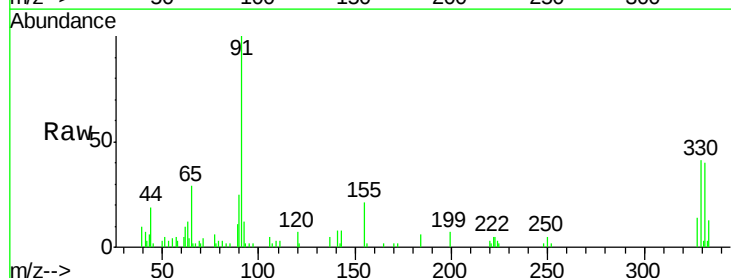


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

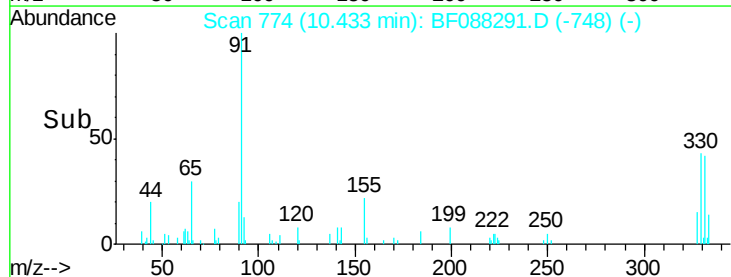
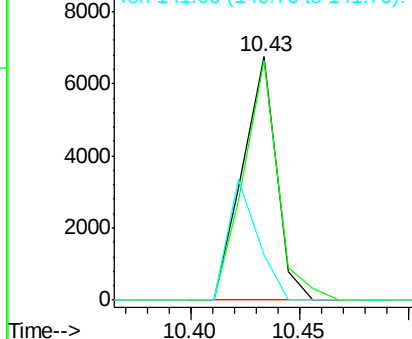


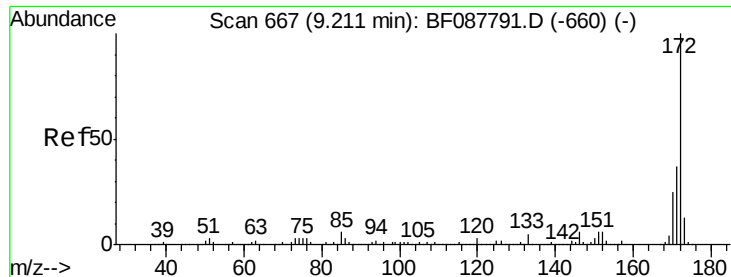
#41
2,4,6-Tribromophenol
Concen: 20.56 ng
RT: 10.43 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Tgt Ion:330 Resp: 7307
Ion Ratio Lower Upper
330 100
332 99.6 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

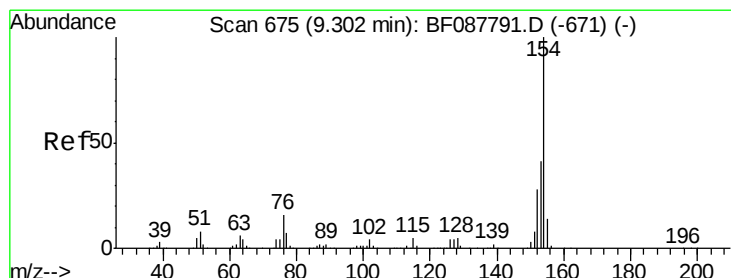
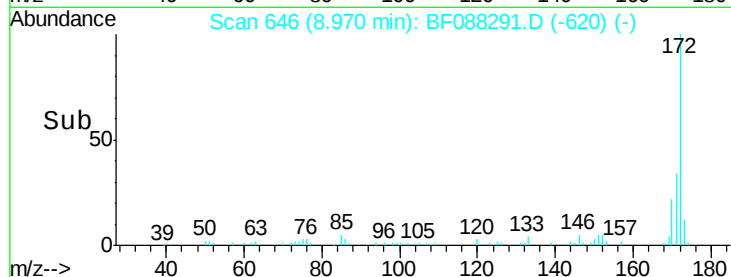
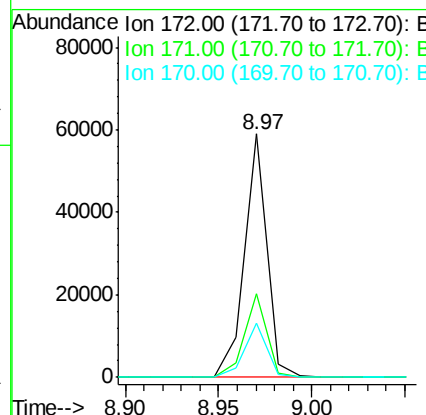
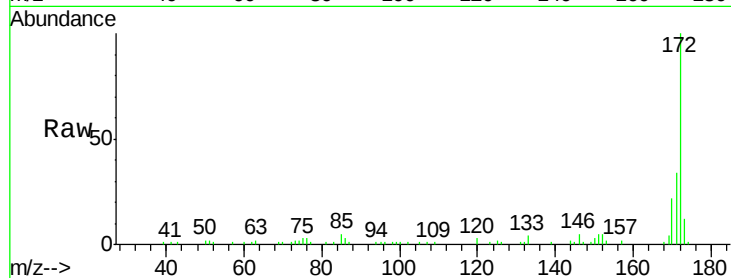




#44
 2-Fluorobiphenyl
 Concen: 18.92 ng
 RT: 8.97 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF088291.D
 Acq: 23 Jun 2016 12:47

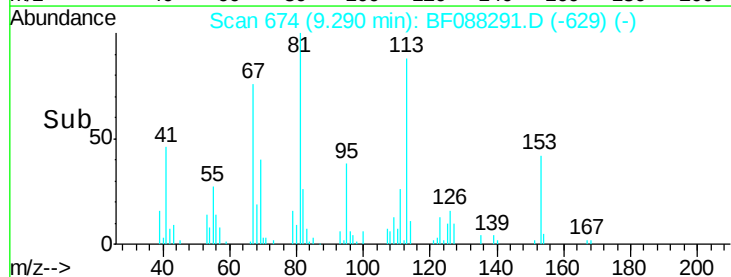
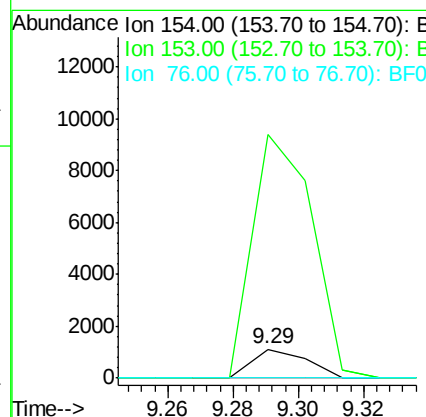
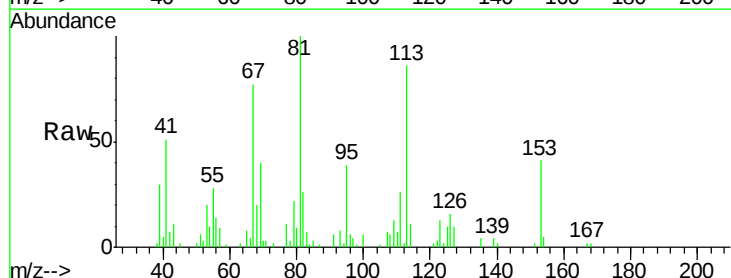
Instrument :
 BNA_F
 ClientSampleId :

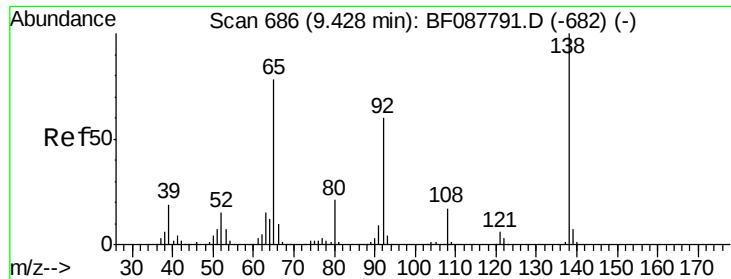
Tot Ion:172 Resp: 49754
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.6 43.0
 170 22.4 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.29 min Scan# 674
 Delta R.T. 0.22 min
 Lab File: BF088291.D
 Acq: 23 Jun 2016 12:47

Tgt Ion:154 Resp: 1279
 Ion Ratio Lower Upper
 154 100
 153 844.3 20.6 60.6#
 76 0.0 0.0 35.1

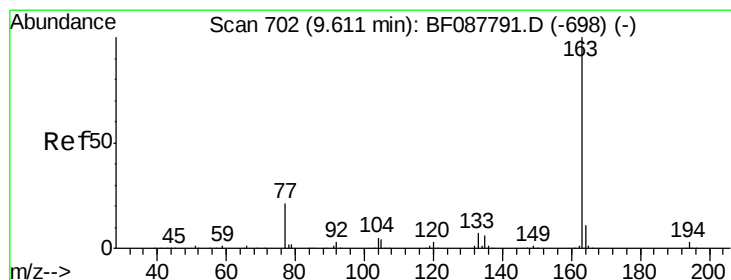
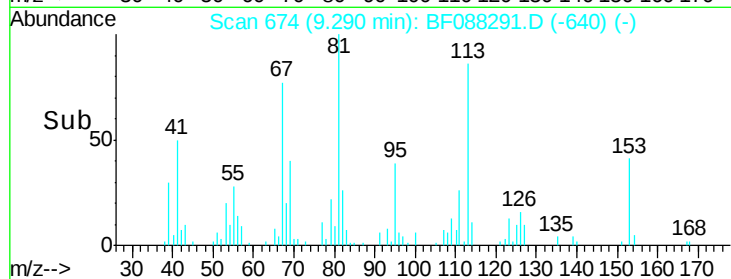
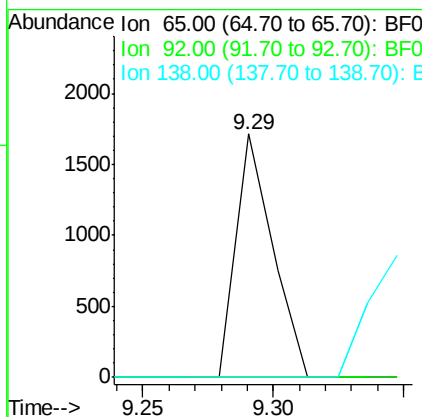
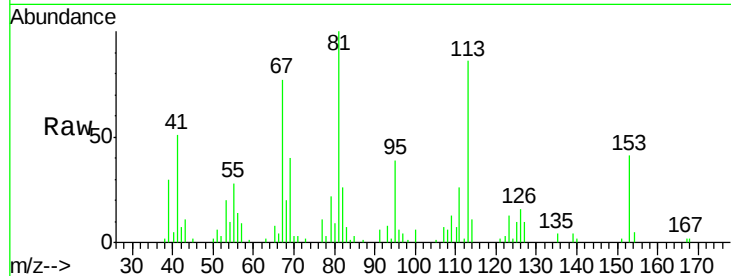




#47
 2-Nitroaniline
 Concen: 2.63 ng
 RT: 9.29 min Scan# 674
 Delta R.T. 0.09 min
 Lab File: BF088291.D
 Acq: 23 Jun 2016 12:47

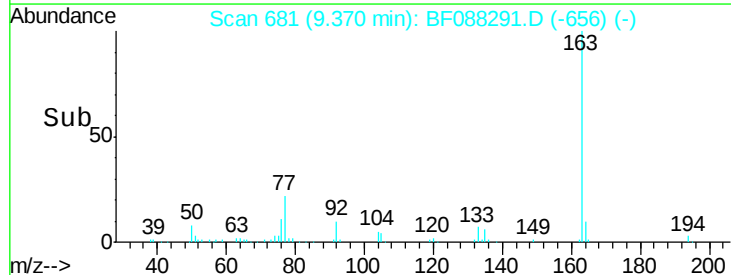
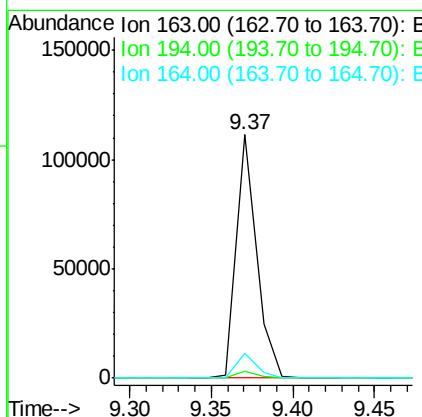
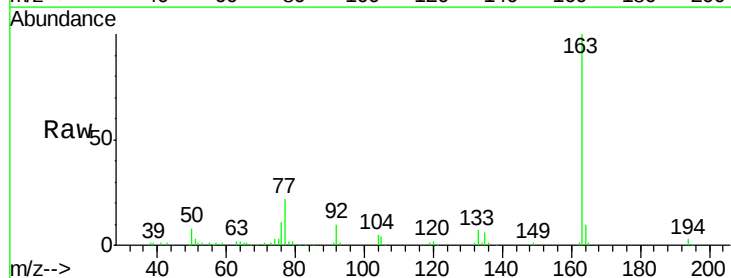
Instrument :
 BNA_F
 ClientSampled :

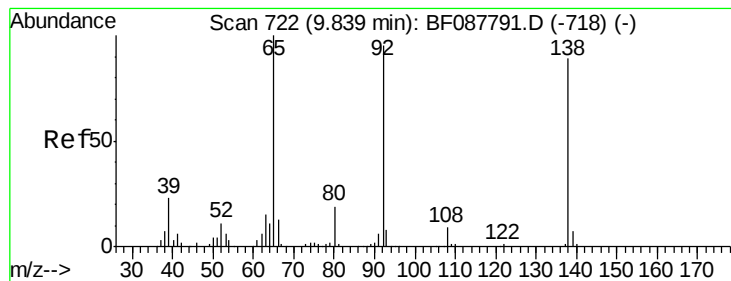
Tot Ion: 65 Resp: 1689
 Ion Ratio Lower Upper
 65 100
 92 0.0 54.6 82.0#
 138 0.0 77.0 115.4#



#49
 Dimethylphthalate
 Concen: 39.00 ng
 RT: 9.37 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF088291.D
 Acq: 23 Jun 2016 12:47

Tgt Ion:163 Resp: 95086
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.8 4.2
 164 10.4 8.3 12.5





#52

3-Nitroaniline

Concen: 2.64 na

RT: 9.42 min Scan# 685

Delta R.T. -0.19 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

Instrument :

BNA_F

ClientSampleId :

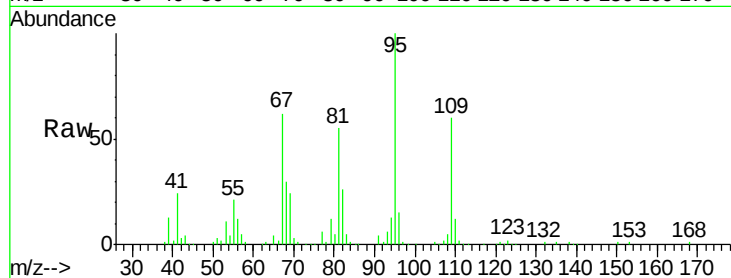
Tot Ion:138 Resp: 1702

Ion Ratio Lower Upper

138 100

108 469.9 8.5 12.7#

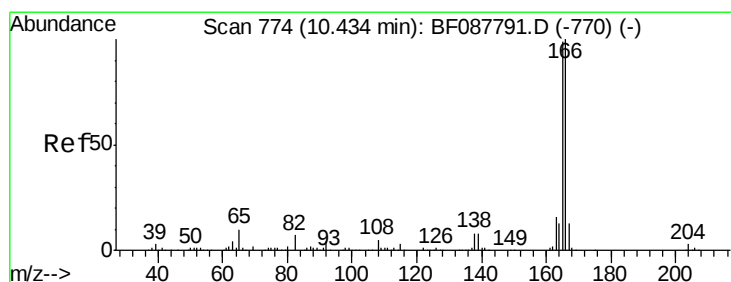
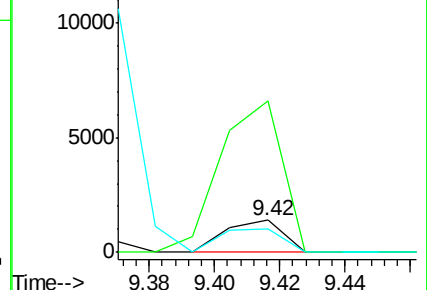
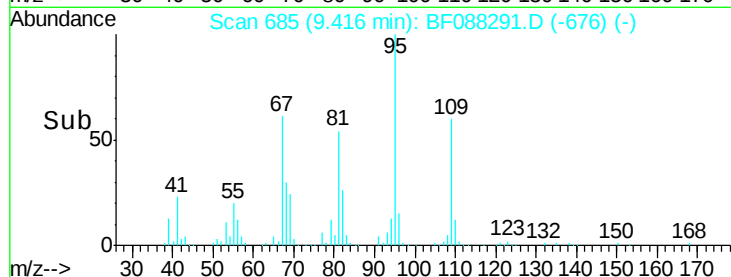
92 71.9 95.7 143.5#



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): E



#57

Fluorene

Concen: Below Cal

RT: 10.12 min Scan# 747

Delta R.T. -0.07 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

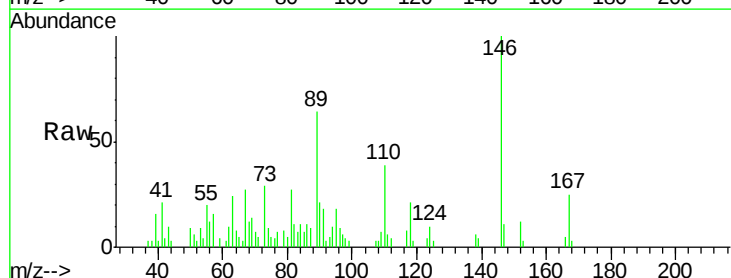
Tgt Ion:166 Resp: 471

Ion Ratio Lower Upper

166 100

165 0.0 77.8 116.8#

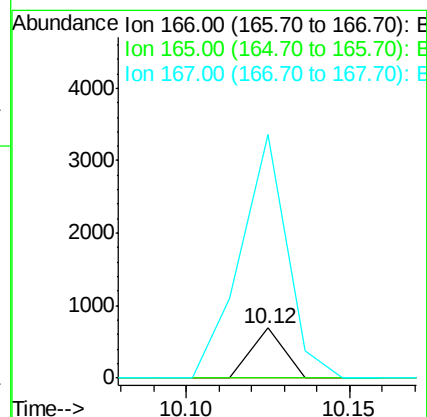
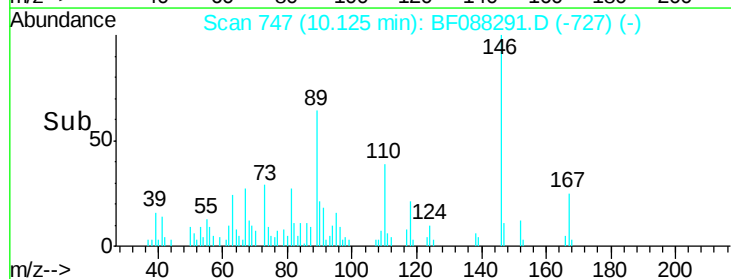
167 489.8 11.2 16.8#

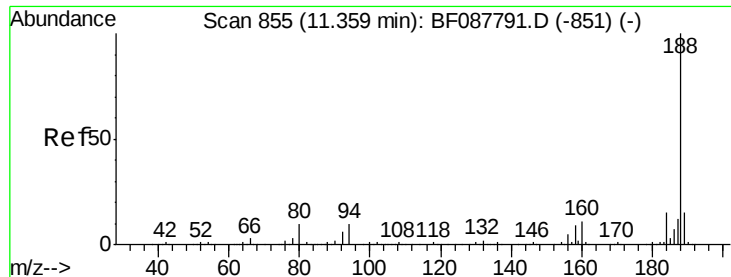


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

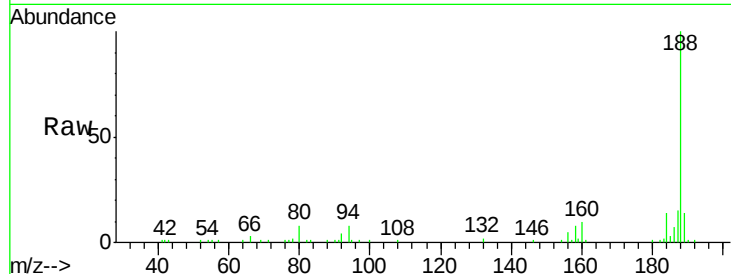




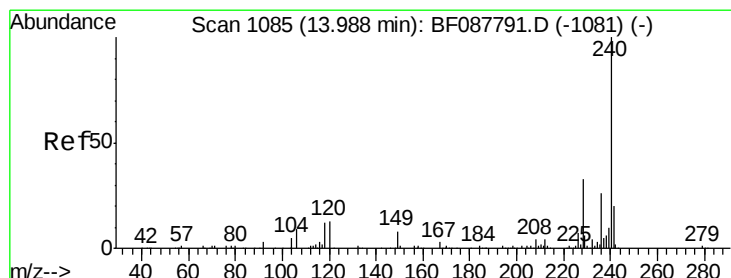
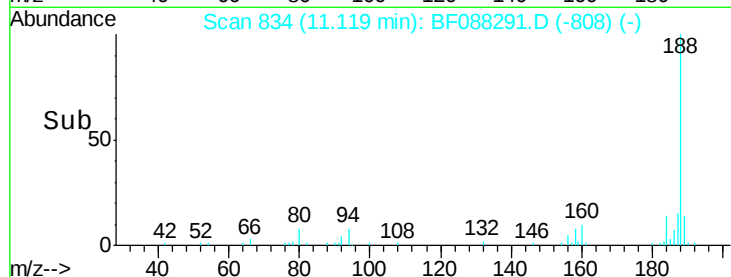
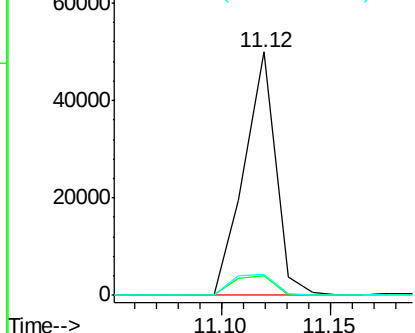
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 50702
Ion Ratio Lower Upper
188 100
94 7.9 9.0 13.6#
80 8.3 10.0 15.0#

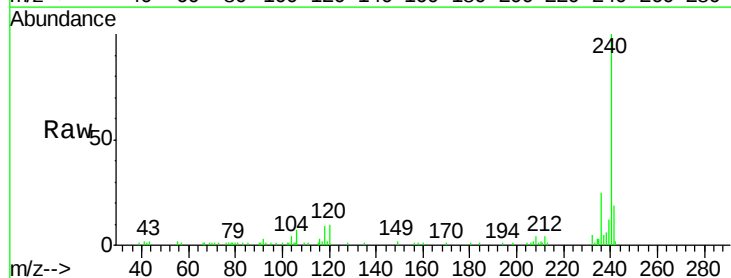


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

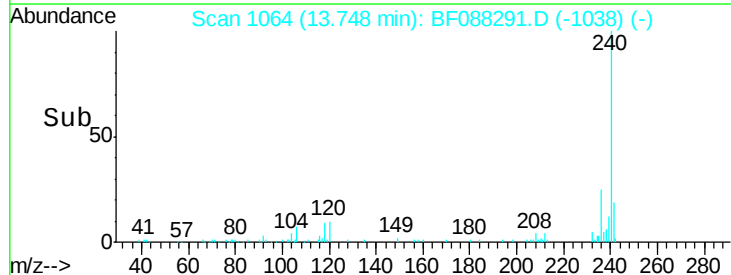
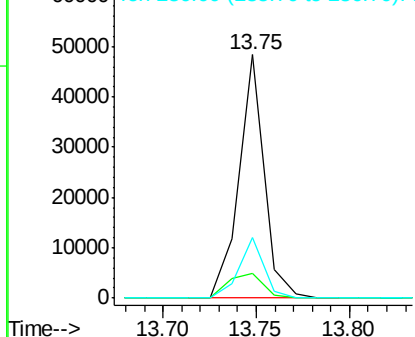


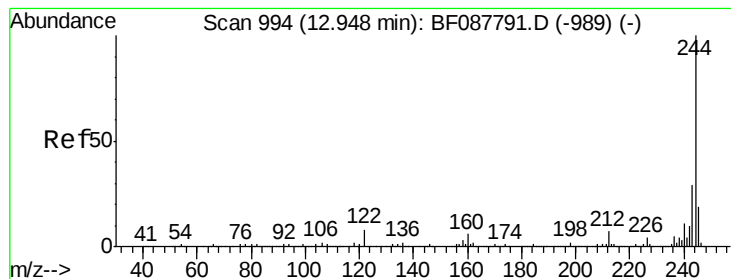
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Tgt Ion:240 Resp: 45714
Ion Ratio Lower Upper
240 100
120 10.1 6.8 10.2
236 24.9 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: 19.23 ng

RT: 12.70 min Scan# 972

Delta R.T. 0.00 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

Instrument :

BNA_F

ClientSampleId :

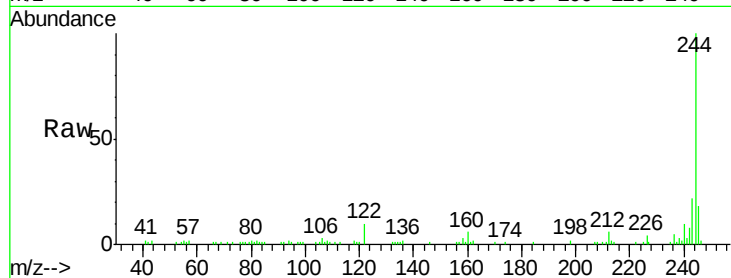
Tot Ion:244 Resp: 38629

Ion Ratio Lower Upper

244 100

212 6.1 6.0 9.0

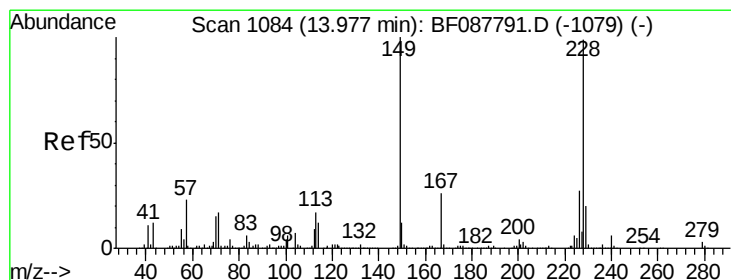
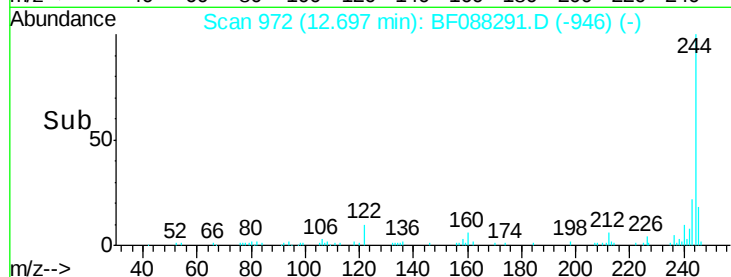
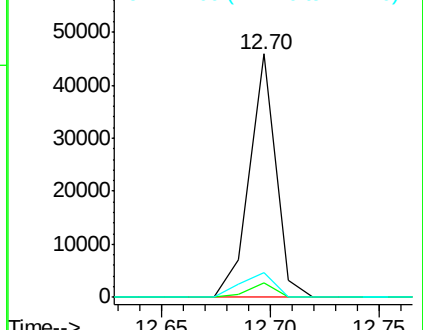
122 10.3 11.2 16.8#



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: 2.32 ng

RT: 13.74 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BF088291.D

Acq: 23 Jun 2016 12:47

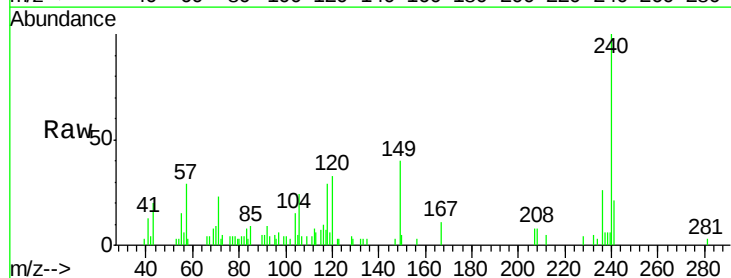
Tgt Ion:149 Resp: 4241

Ion Ratio Lower Upper

149 100

167 27.1 20.5 30.7

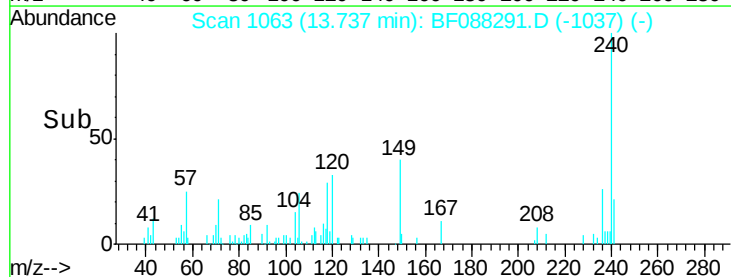
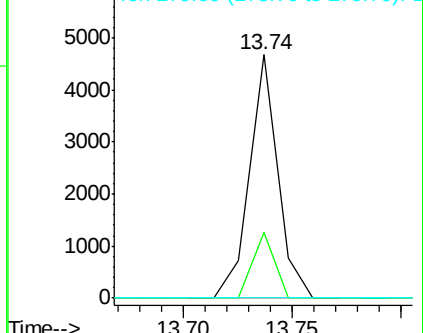
279 0.0 2.0 3.0#

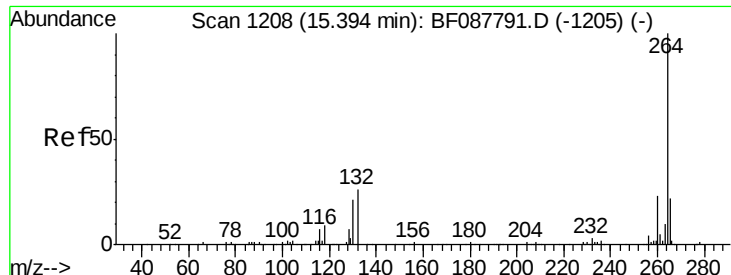


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

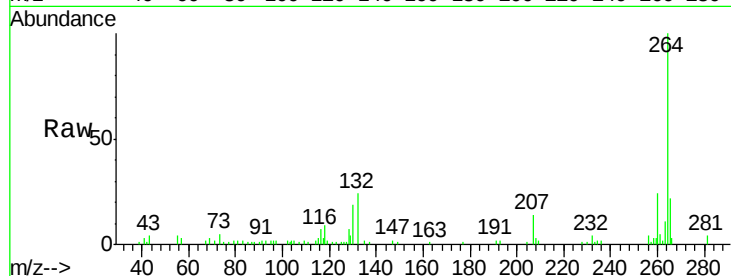




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF088291.D
Acq: 23 Jun 2016 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.2	19.2	28.8	
265	22.2	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

