

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062116\
 Data File : BF088226.D
 Acq On : 21 Jun 2016 21:42
 Operator : UM/SJ
 Sample : PB91509BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB91503BL

Quant Time: Jun 22 00:51:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	260129	20.00	ng	0.14
21) Naphthalene-d8	7.93	136	309546	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	145764	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	285073	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	240416	20.00	ng	-0.01
86) Perylene-d12	15.17	264	176165	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	502682	33.04	ng	-0.01
7) Phenol-d6	6.31	99	650278	35.26	ng	-0.02
23) Nitrobenzene-d5	7.22	82	405695	76.53	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	162774	105.76	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	774615	83.38	ng	-0.02
78) Terphenyl-d14	12.75	244	730948	69.18	ng	-0.01

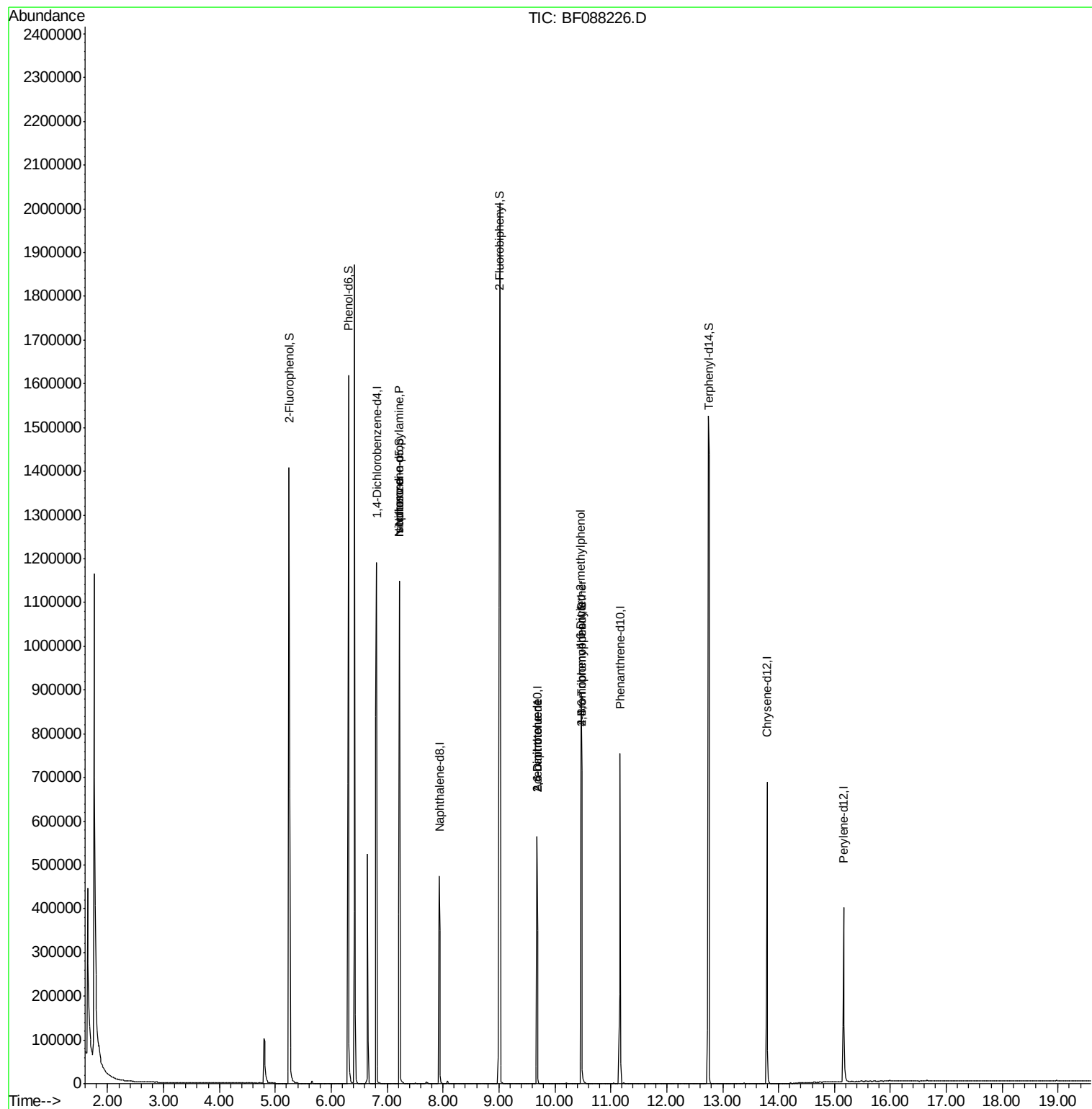
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.42	94	792	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	51796	4.39	ng	70
25) Isophorone	7.22	82	309120	31.48	ng	65
45) 1,1'-Biphenyl	9.02	154	1579	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.68	165	18601	7.69	ng	37
56) 2,4-Dinitrotoluene	9.68	165	18601	5.99	ng	36
57) Fluorene	10.47	166	7320	Below Cal	#	88
64) 4,6-Dinitro-2-methylphenol	10.47	198	217	2.28	ng	1
66) 4-Bromophenyl-phenylether	10.48	248	9980	3.26	ng	1

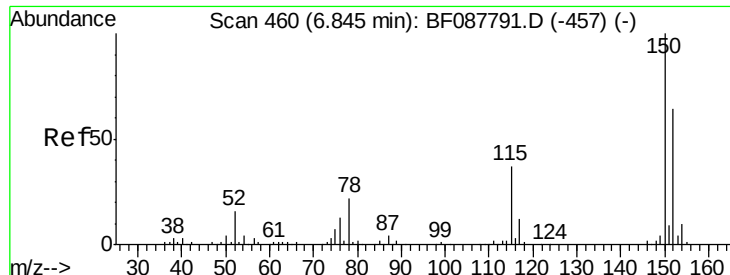
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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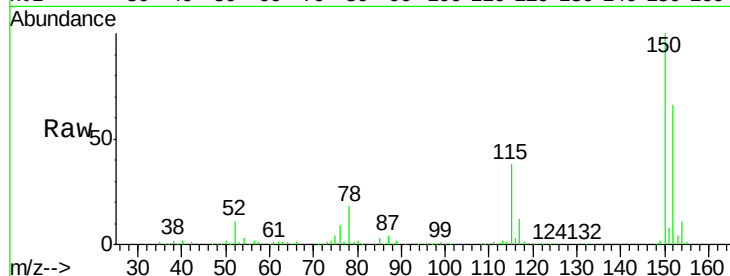


#1

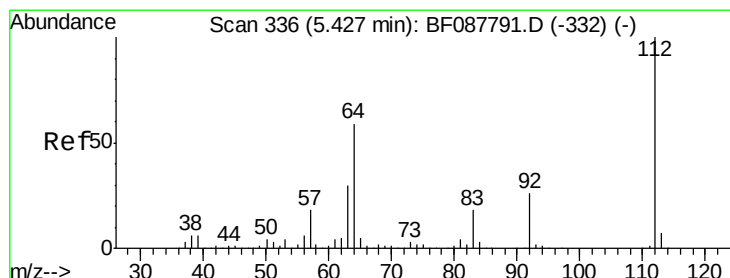
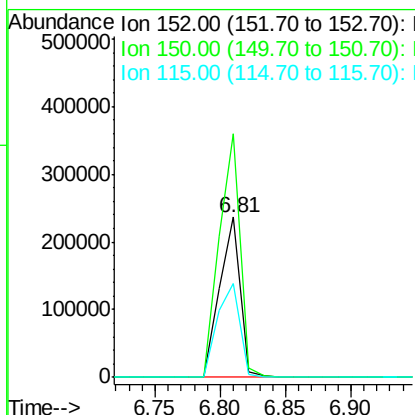
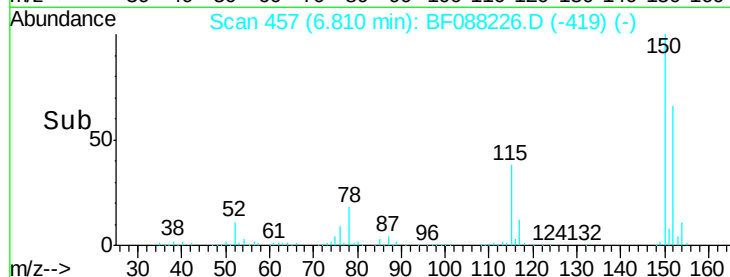
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. 0.14 min
Lab File: BF088226.D
Acq: 21 Jun 2016 21:42

Instrument :
BNA_F
ClientSampleId :
PB91503BL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.6
115	58.4	39.6	59.4



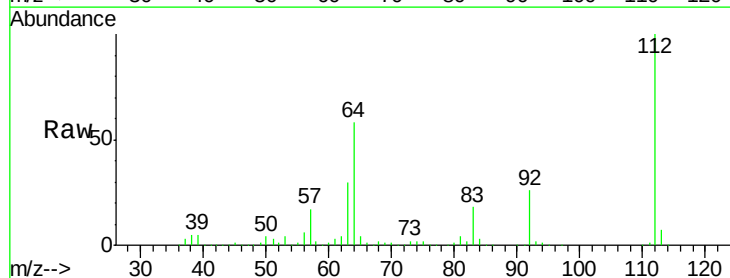
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



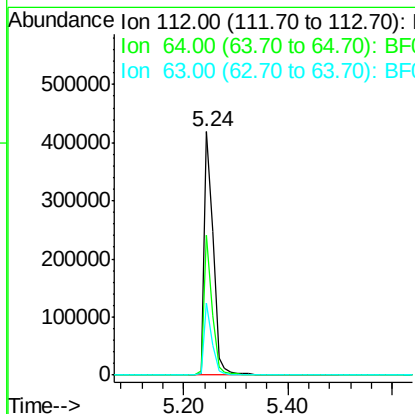
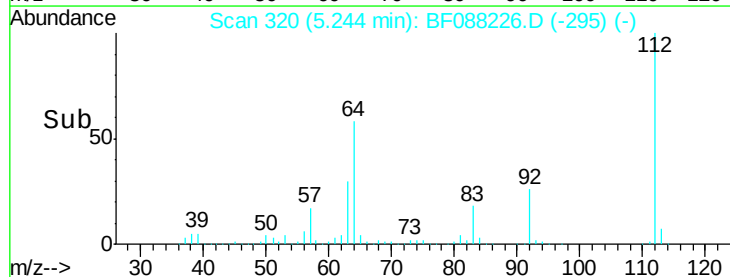
#5

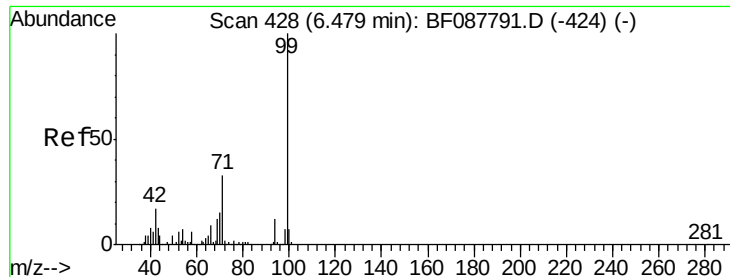
2-Fluorophenol
Concen: 33.04 ng
RT: 5.24 min Scan# 320
Delta R.T. -0.01 min
Lab File: BF088226.D
Acq: 21 Jun 2016 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	42.2	63.2
63	29.6	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: 35.26 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

Instrument :

BNA_F

ClientSampleId :

PB91503BL

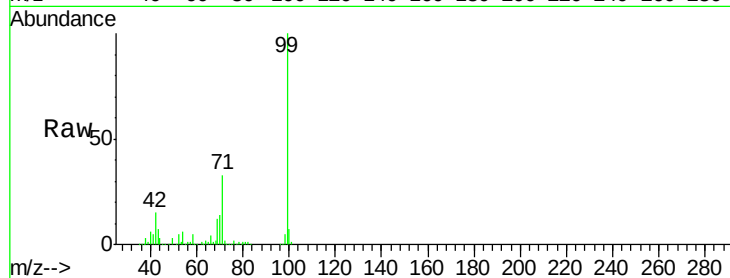
Tgt Ion: 99 Resp: 650278

Ion Ratio Lower Upper

99 100

42 14.8 12.2 18.2

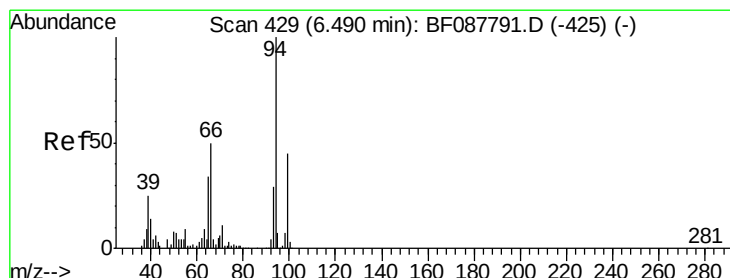
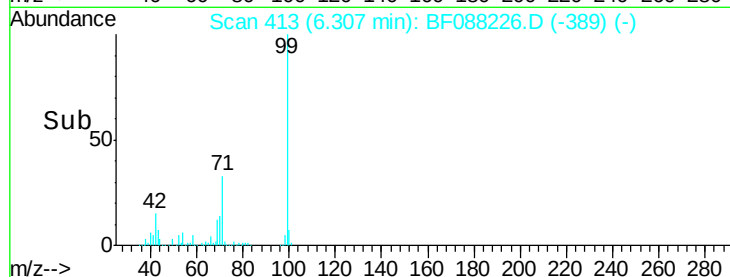
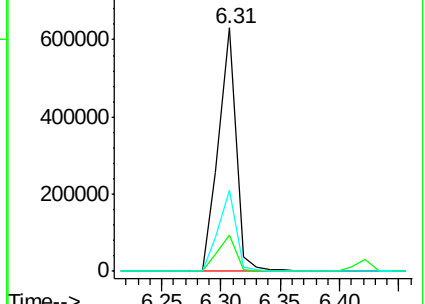
71 33.4 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. 0.08 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

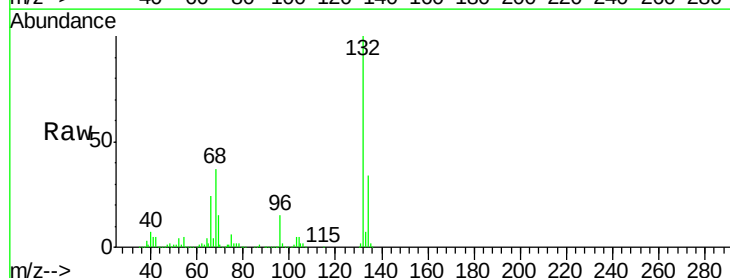
Tgt Ion: 94 Resp: 792

Ion Ratio Lower Upper

94 100

65 985.8 5.9 45.9#

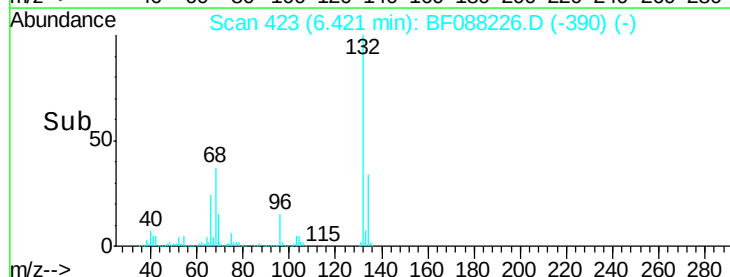
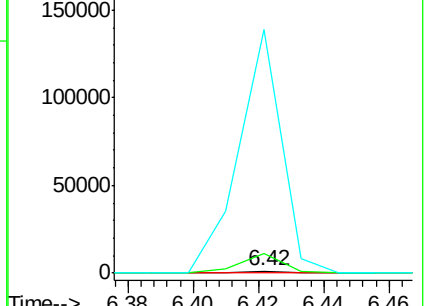
66 12024.2 14.0 54.0#

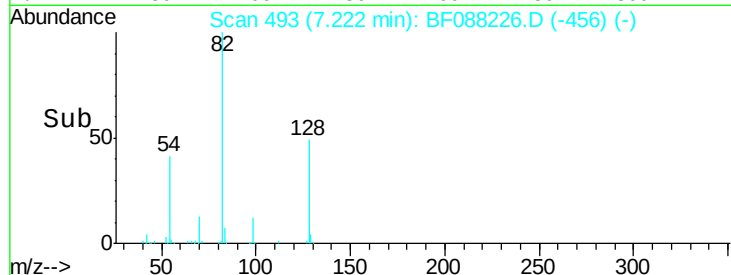
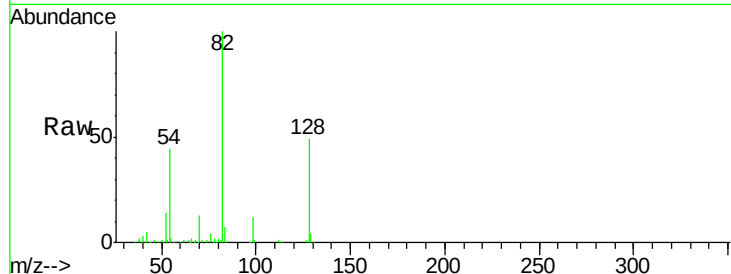
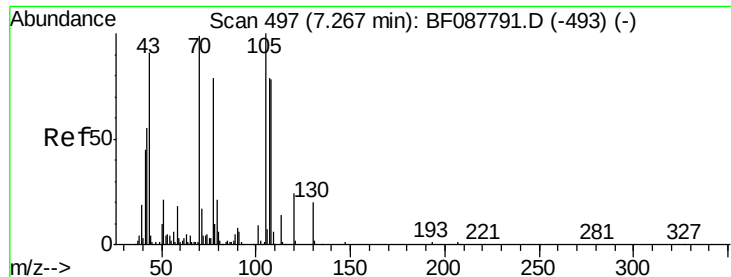


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

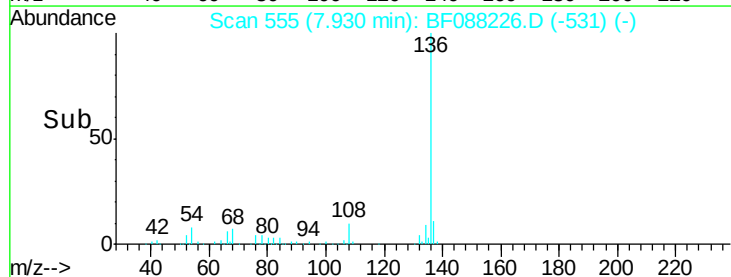
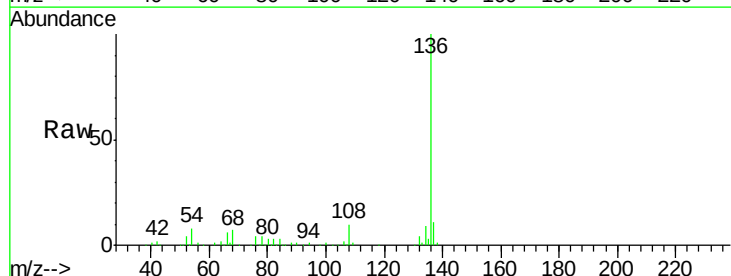
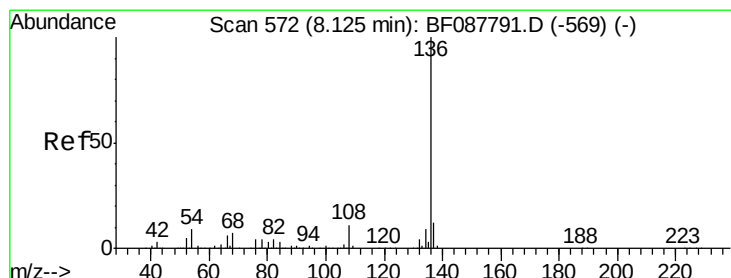
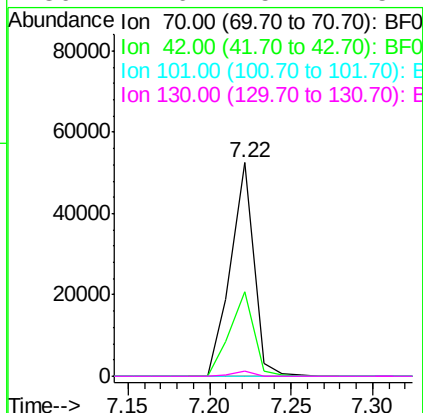




#19
n-Nitroso-di-n-propylamine
Concen: 4.39 ng
RT: 7.22 min Scan# 493
Delta R.T. 0.13 min
Lab File: BF088226.D
Acq: 21 Jun 2016 21:42

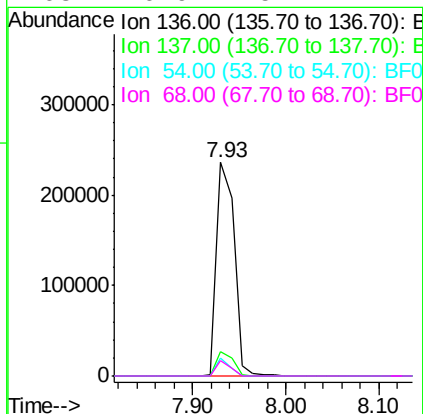
Instrument :
BNA_F
ClientSampleId :
PB91503BL

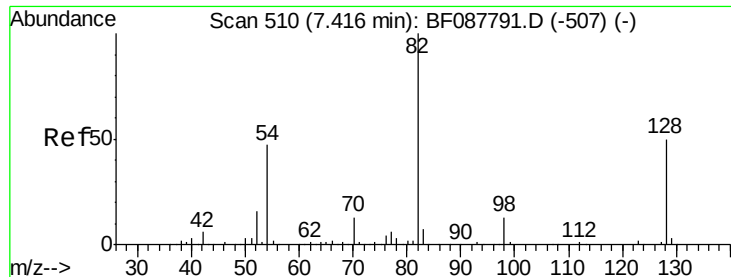
Tgt Ion:	70	Resp:	51796
Ion Ratio	Lower	Upper	
70	100		
42	39.7	49.6	74.4#
101	0.0	7.1	10.7#
130	2.6	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.02 min
Lab File: BF088226.D
Acq: 21 Jun 2016 21:42

Tgt Ion:	136	Resp:	309546
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	8.4	6.6	10.0
68	6.9	5.1	7.7

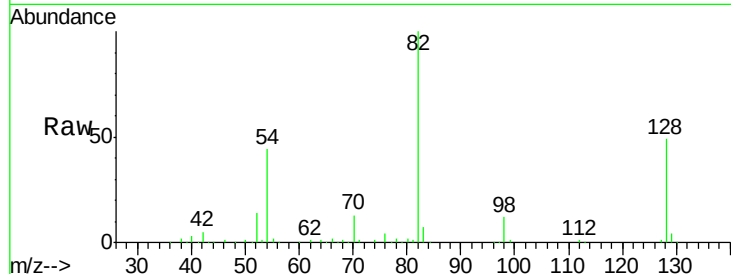




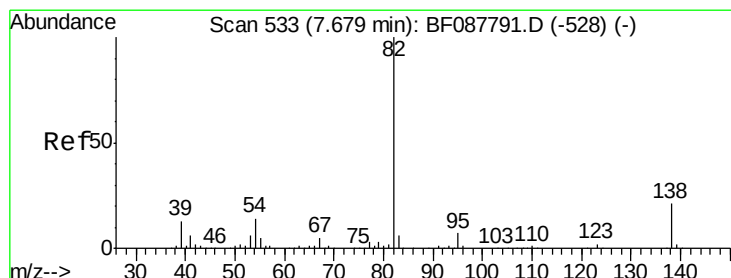
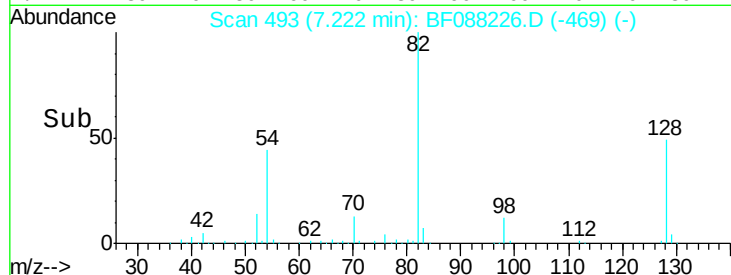
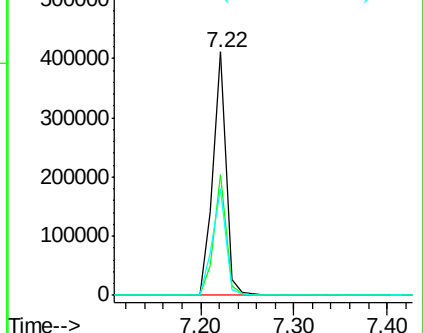
#23
Nitrobenzene-d5
Concen: 76.53 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.02 min
Lab File: BF088226.D
Acq: 21 Jun 2016 21:42

Instrument :
BNA_F
ClientSampleId :
PB91503BL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.4	35.9	53.9
54	44.0	40.9	61.3

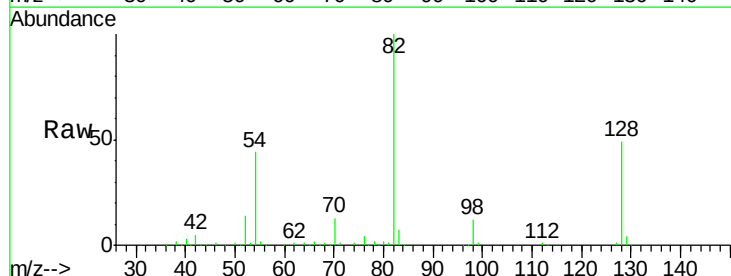


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

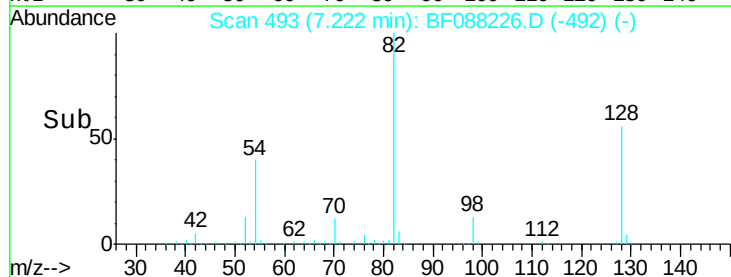
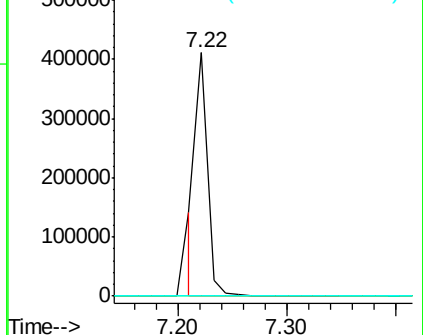


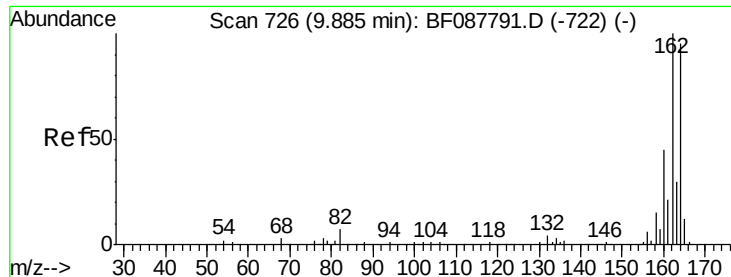
#25
Isophorone
Concen: 31.48 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.29 min
Lab File: BF088226.D
Acq: 21 Jun 2016 21:42

Tgt 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

Instrument :

BNA_F

ClientSampleId :

PB91503BL

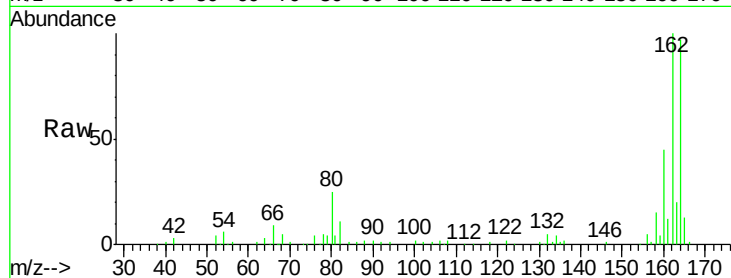
Tgt Ion:164 Resp: 145764

Ion Ratio Lower Upper

164 100

162 103.4 85.4 128.2

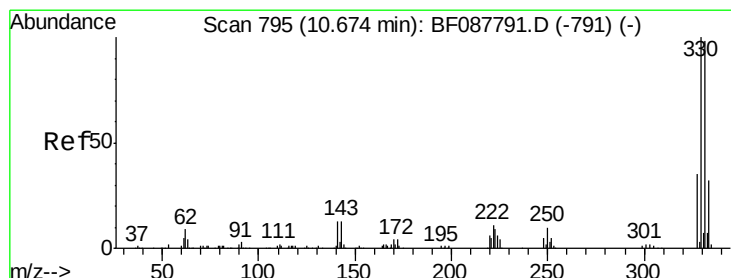
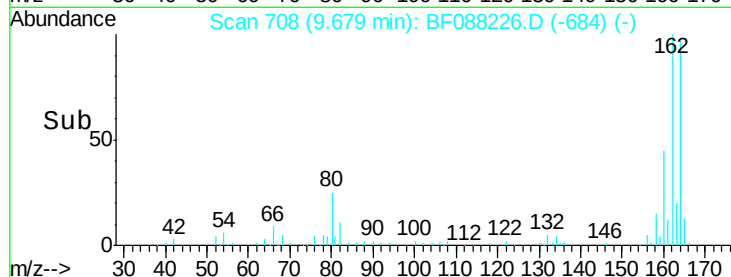
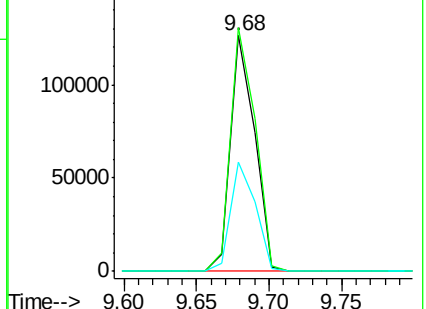
160 46.2 39.5 59.3



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: 105.76 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

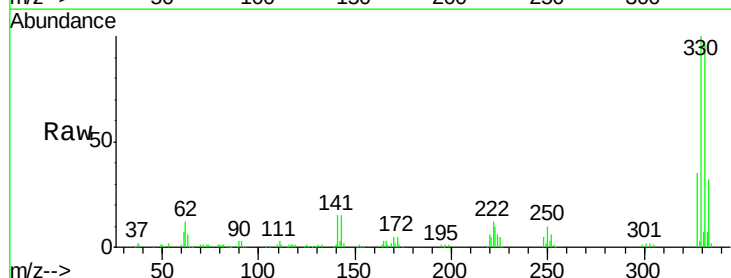
Tgt Ion:330 Resp: 162774

Ion Ratio Lower Upper

330 100

332 96.0 0.0 0.0#

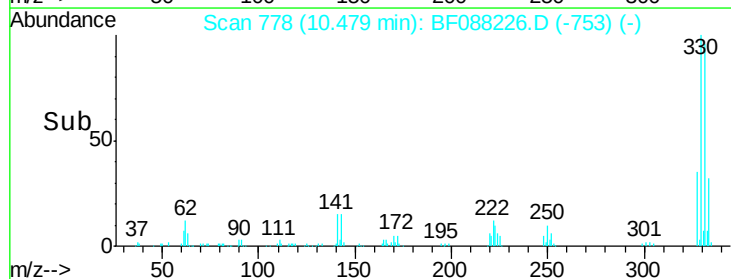
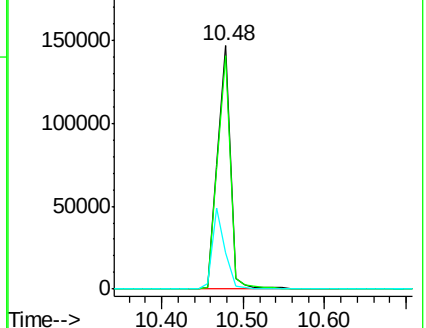
141 32.6 0.0 0.0#

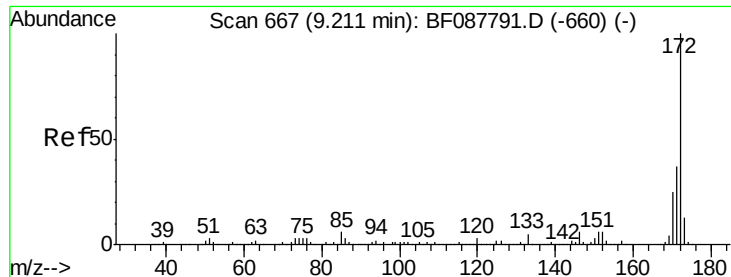


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

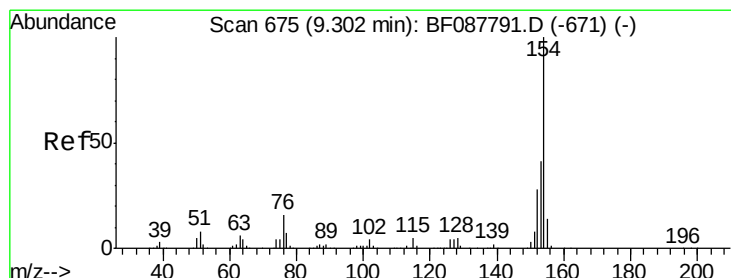
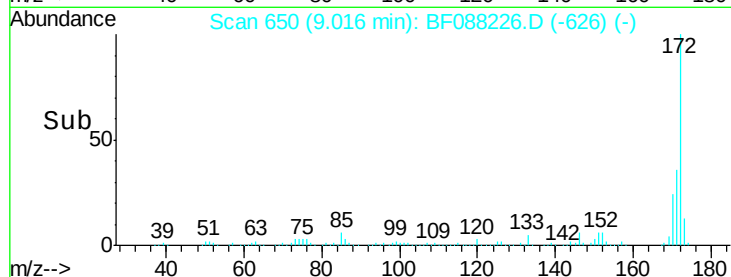
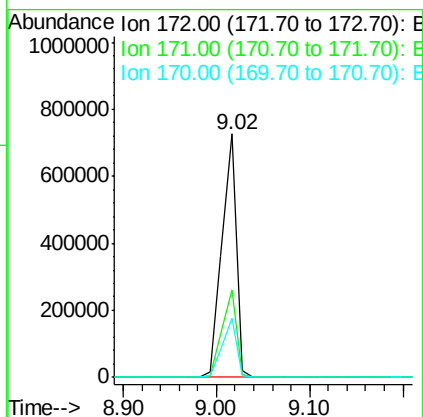
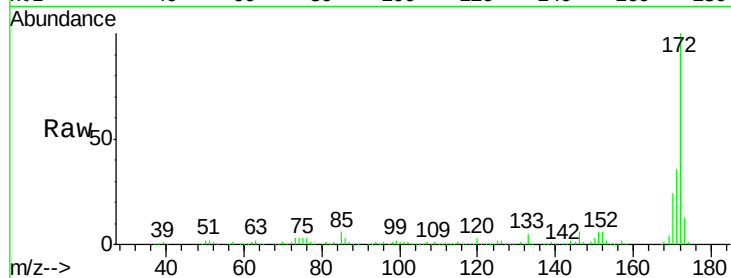




#44
 2-Fluorobiphenyl
 Concen: 83.38 ng
 RT: 9.02 min Scan# 650
 Delta R.T. -0.02 min
 Lab File: BF088226.D
 Acq: 21 Jun 2016 21:42

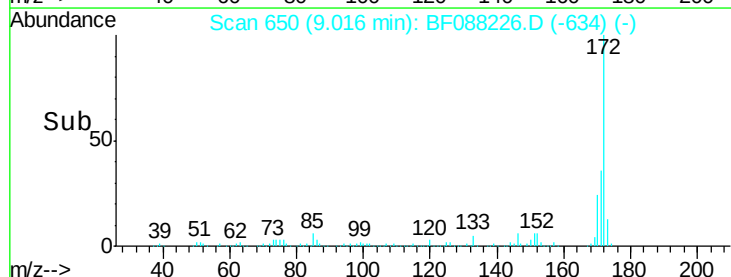
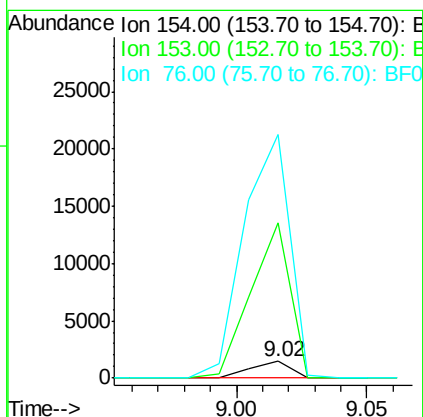
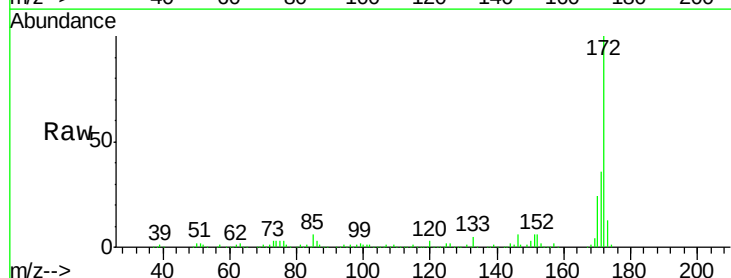
Instrument :
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 PB91503BL

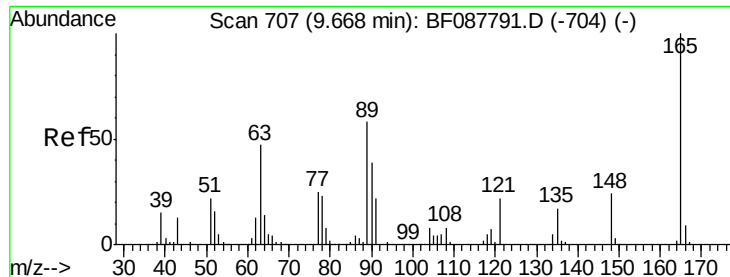
Tgt Ion:172 Resp: 774615
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 24.1 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.02 min Scan# 650
 Delta R.T. -0.11 min
 Lab File: BF088226.D
 Acq: 21 Jun 2016 21:42

Tgt Ion:154 Resp: 1579
 Ion Ratio Lower Upper
 154 100
 153 937.4 20.6 60.6#
 76 1466.4 0.0 35.1#

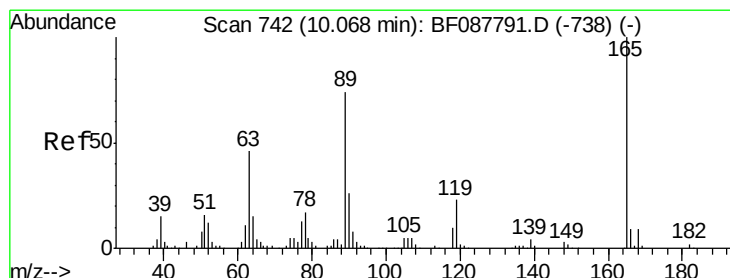
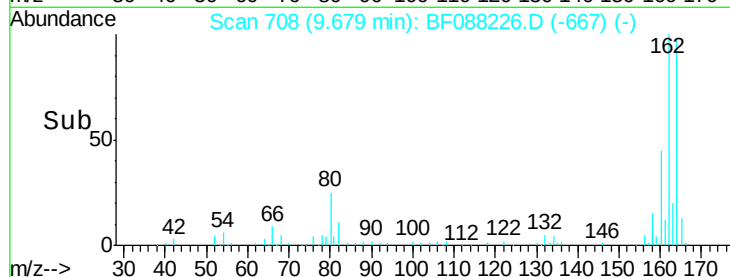
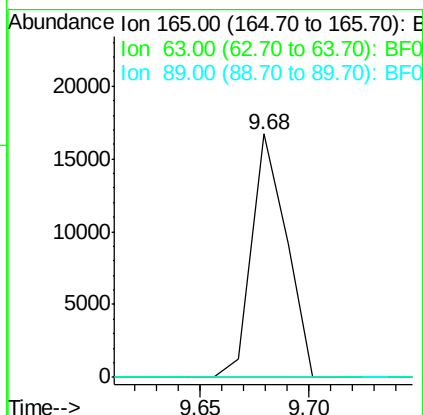
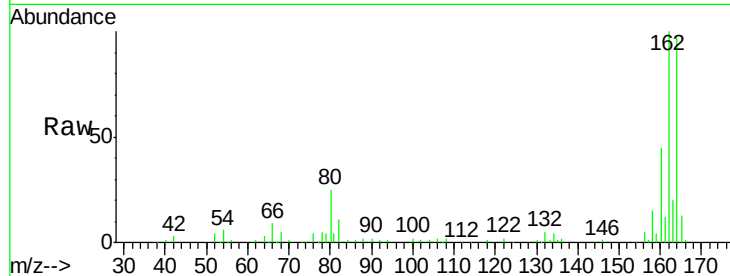




#50
 2,6-Dinitrotoluene
 Concen: 7.69 ng
 RT: 9.68 min Scan# 708
 Delta R.T. 0.17 min
 Lab File: BF088226.D
 Acq: 21 Jun 2016 21:42

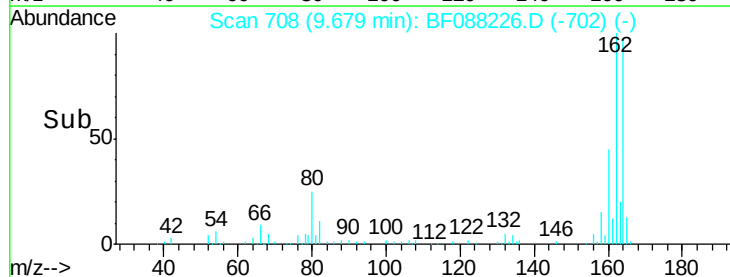
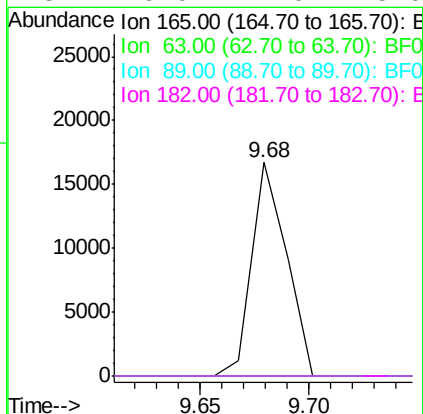
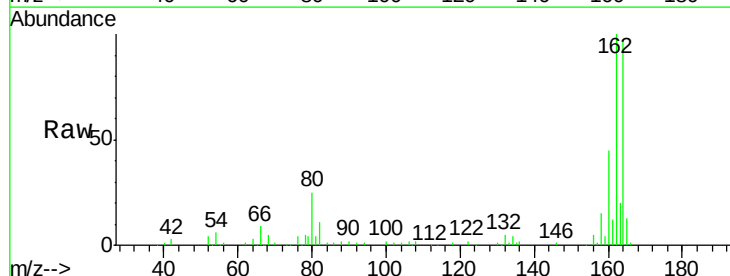
Instrument :
 BNA_F
 ClientSampleId :
 PB91503BL

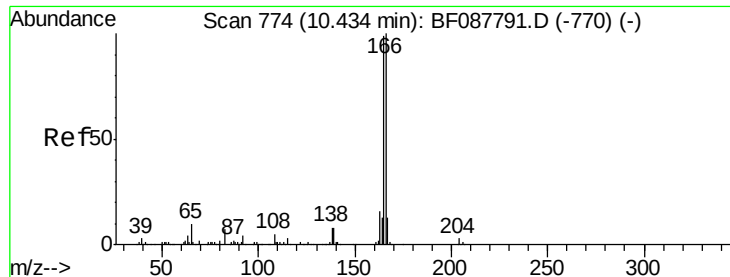
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	0.0	32.2	48.2#



#56
 2,4-Dinitrotoluene
 Concen: 5.99 ng
 RT: 9.68 min Scan# 708
 Delta R.T. -0.23 min
 Lab File: BF088226.D
 Acq: 21 Jun 2016 21:42

Tgt 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: 10.47 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

Instrument :

BNA_F

ClientSampleId :

PB91503BL

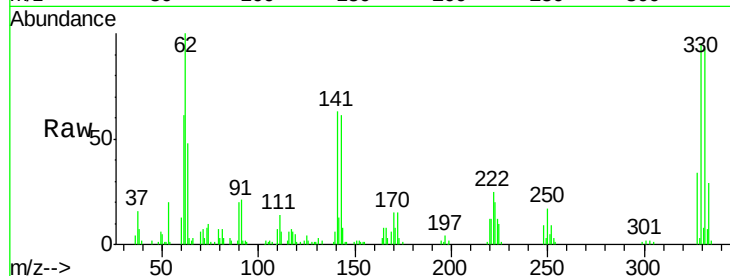
Tgt Ion:166 Resp: 7320

Ion Ratio Lower Upper

166 100

165 103.9 77.8 116.8

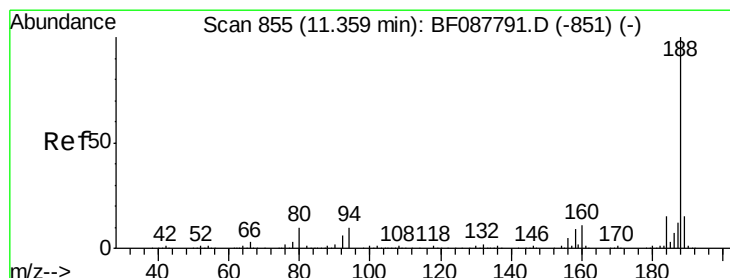
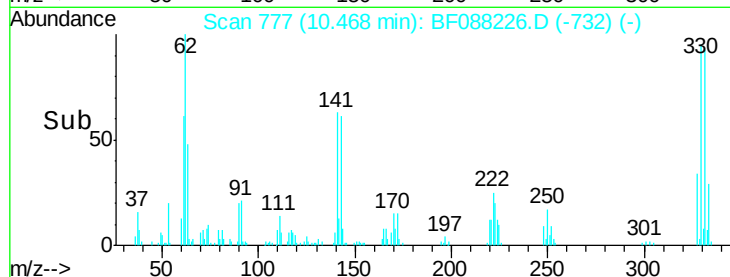
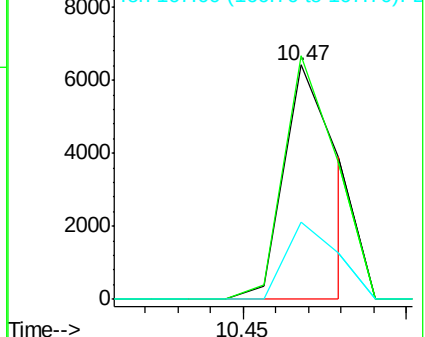
167 33.1 11.2 16.8#



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: 11.16 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

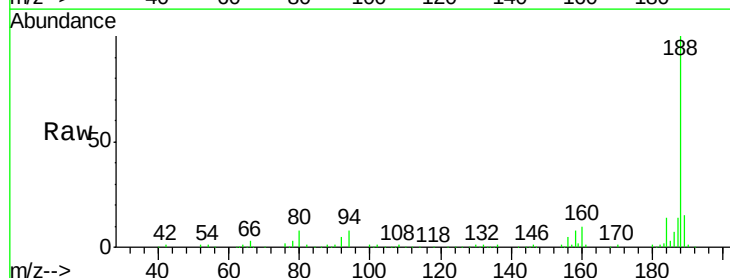
Tgt Ion:188 Resp: 285073

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.6#

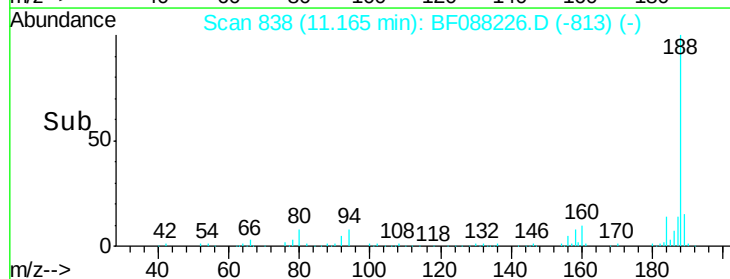
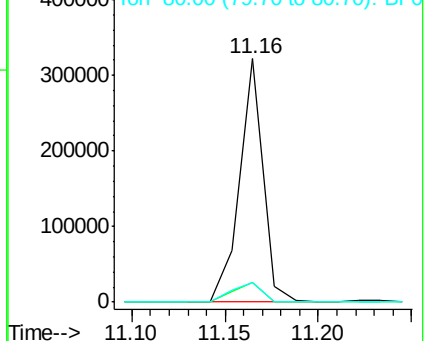
80 8.2 10.0 15.0#

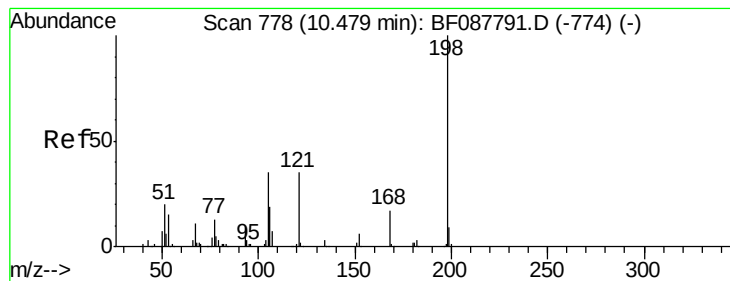


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.28 ng

RT: 10.47 min Scan# 777

Delta R.T. 0.15 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

Instrument :

BNA_F

ClientSampleId :

PB91503BL

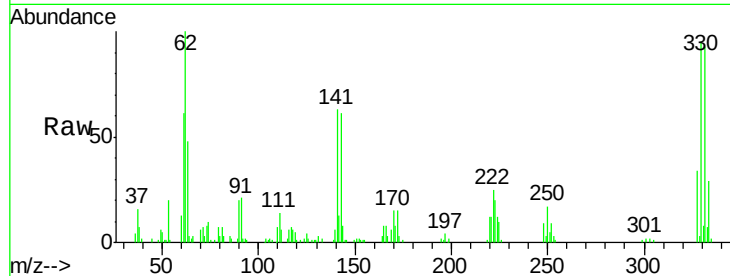
Tgt Ion:198 Resp: 217

Ion Ratio Lower Upper

198 100

51 182.9 39.6 79.6#

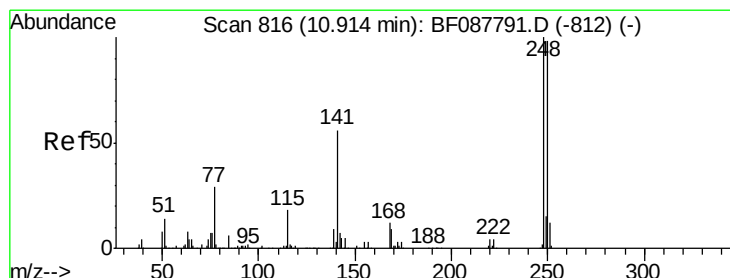
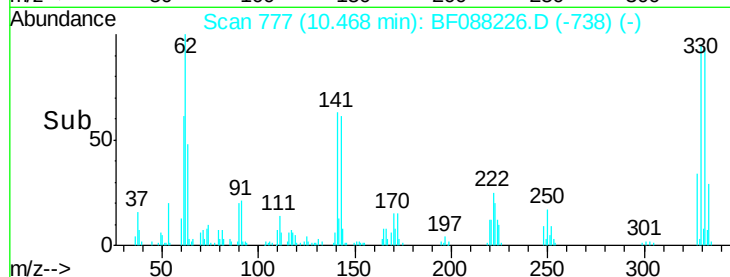
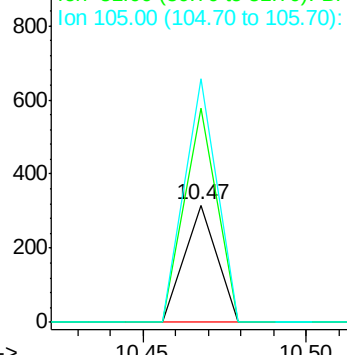
105 207.9 36.6 76.6#



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: 3.26 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.25 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

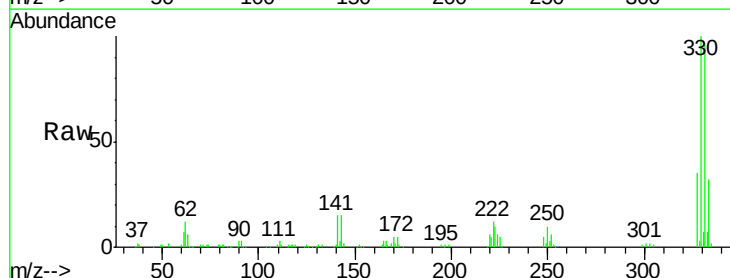
Tgt Ion:248 Resp: 9980

Ion Ratio Lower Upper

248 100

250 198.4 77.1 115.7#

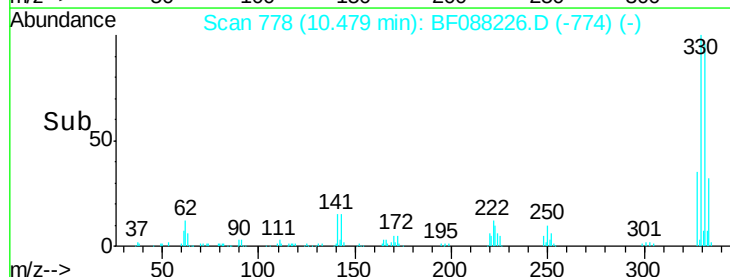
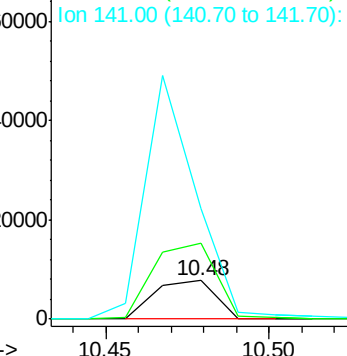
141 287.4 50.6 76.0#

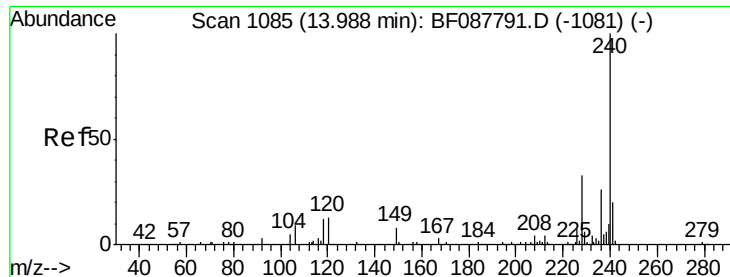


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.79 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

Instrument :

BNA_F

ClientSampleId :

PB91503BL

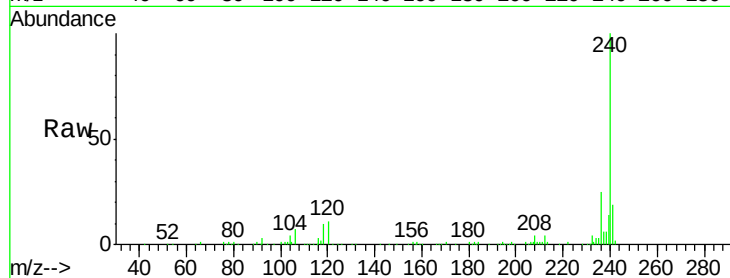
Tgt Ion:240 Resp: 240416

Ion Ratio Lower Upper

240 100

120 10.7 6.8 10.2#

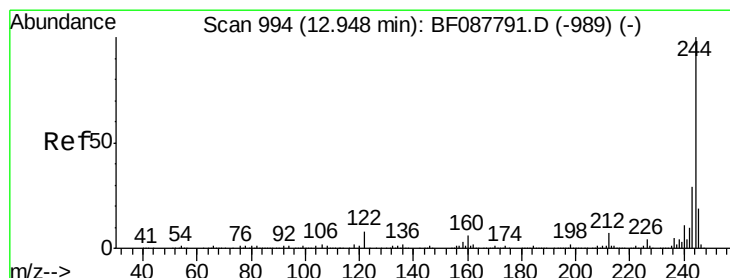
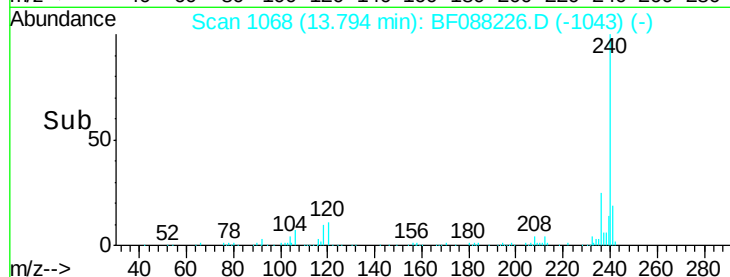
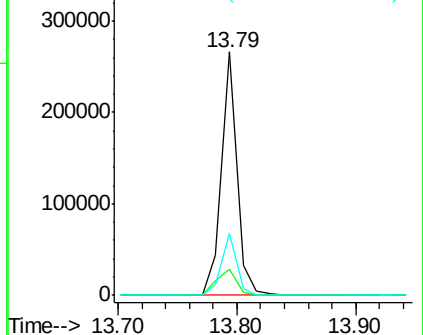
236 25.2 20.2 30.2



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: 69.18 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

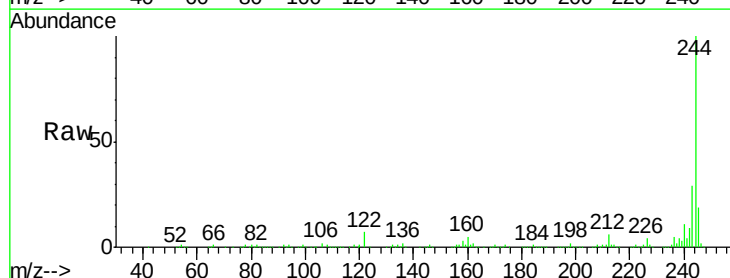
Tgt Ion:244 Resp: 730948

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

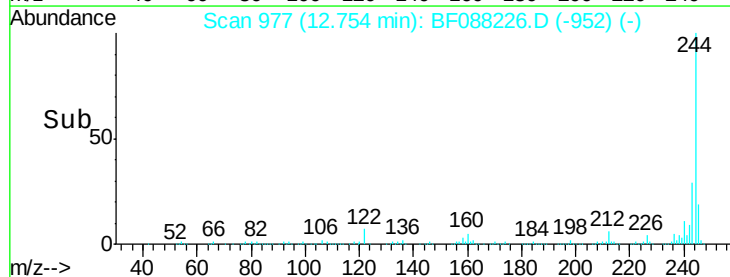
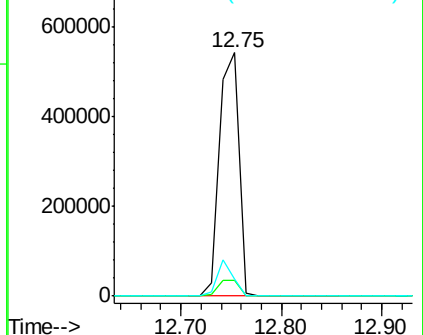
122 6.9 11.2 16.8#

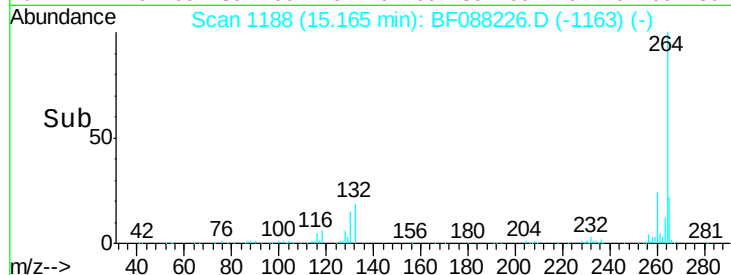
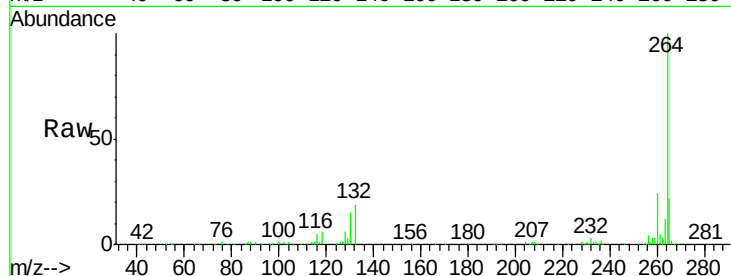
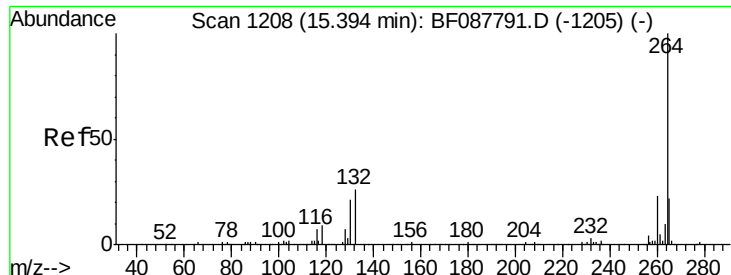


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.17 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF088226.D

Acq: 21 Jun 2016 21:42

Instrument :

BNA_F

ClientSampleId :

PB91503BL

Tgt Ion: 264 Resp: 176165

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.7 16.9 25.3

