

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
 Data File : BF087218.D
 Acq On : 20 May 2016 8:05
 Operator : UM/SJ
 Sample : H3166-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 14:37:47 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

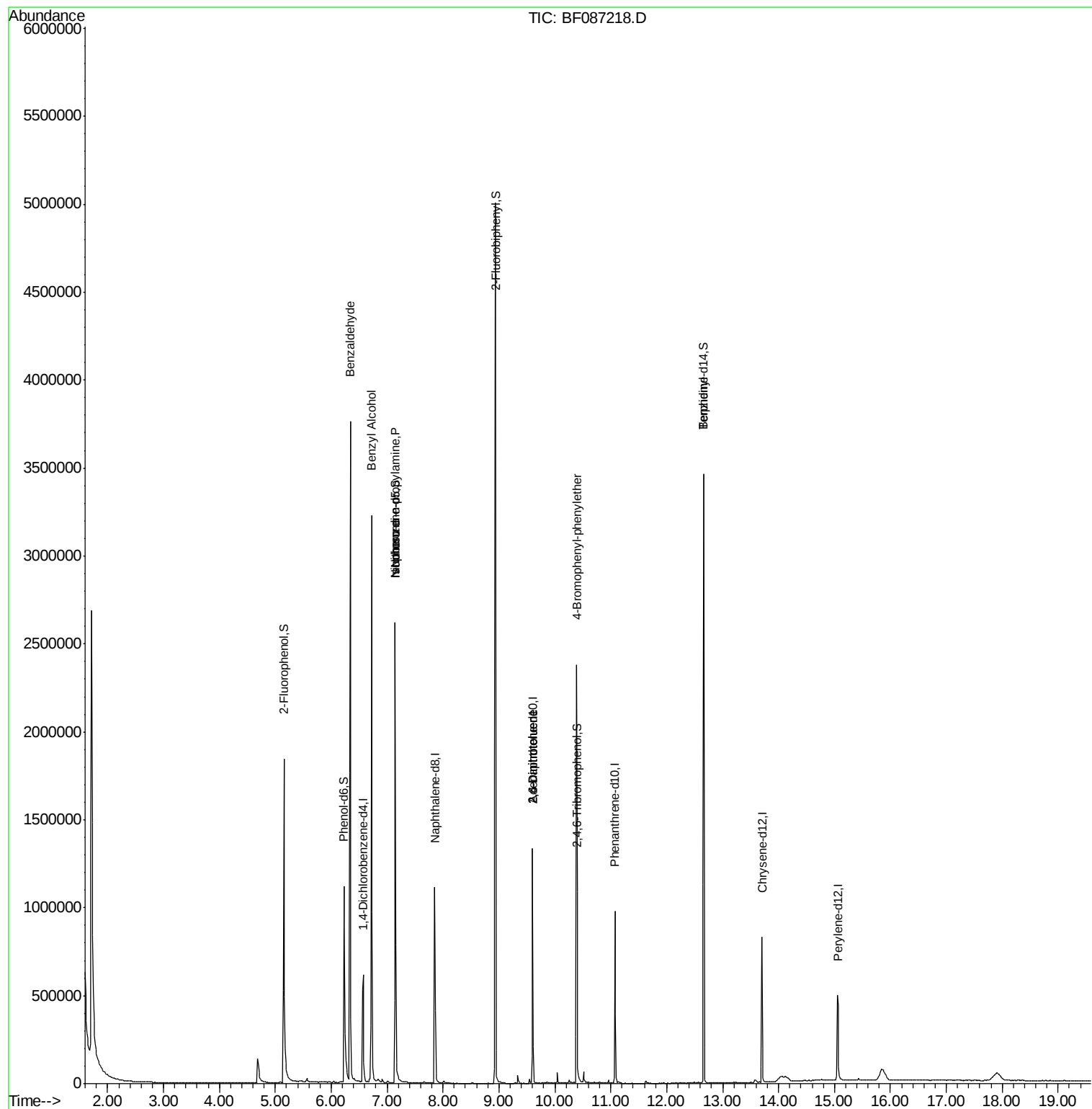
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	125892	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	521965	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	241845	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	380039	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	281174	20.00	ng	-0.06
86) Perylene-d12	15.06	264	258191	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	577033	77.04	ng	-0.05
7) Phenol-d6	6.23	99	530531	52.81	ng	-0.06
23) Nitrobenzene-d5	7.14	82	891981	85.17	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	324112	121.28	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1511278	103.49	ng	-0.05
78) Terphenyl-d14	12.66	244	1024592	82.43	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.34	77	27721	3.84	ng	# 80
15) Benzyl Alcohol	6.72	79	16308	2.18	ng	# 45
19) n-Nitroso-di-n-propylamine	7.14	70	125192	16.39	ng	# 72
25) Isophorone	7.14	82	788681	41.14	ng	# 68
50) 2,6-Dinitrotoluene	9.60	165	31163	7.78	ng	# 21
56) 2,4-Dinitrotoluene	9.60	165	31163	6.07	ng	# 16
66) 4-Bromophenyl-phenylether	10.39	248	19014	4.87	ng	# 1
76) Benzidine	12.66	184	16658	2.53	ng	# 97

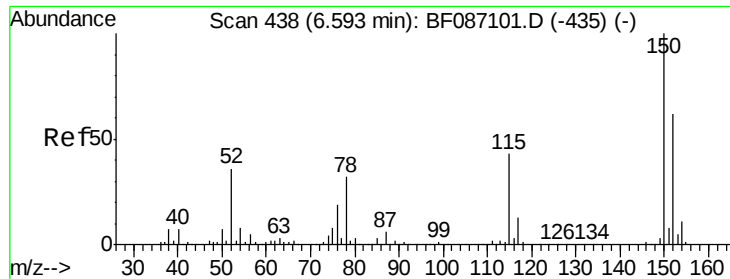
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051916\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampled :

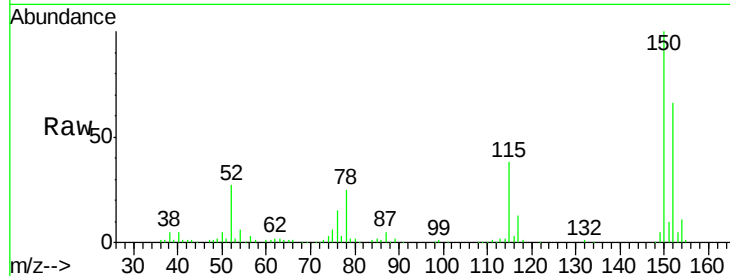
Tot Ion:152 Resp: 125892

Ion Ratio Lower Upper

152 100

150 150.8 125.8 188.6

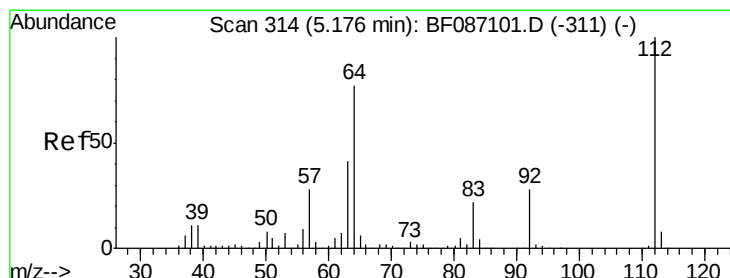
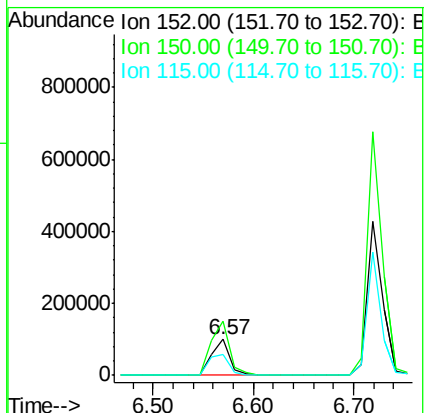
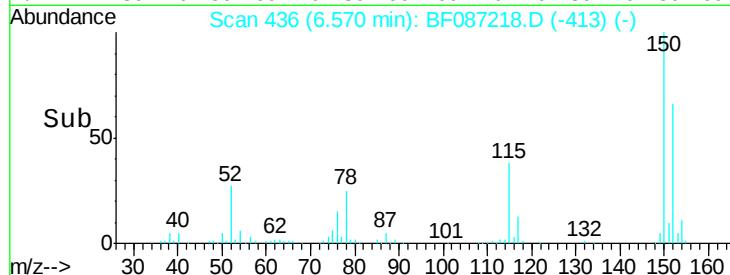
115 57.2 51.5 77.3



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: 77.04 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.05 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

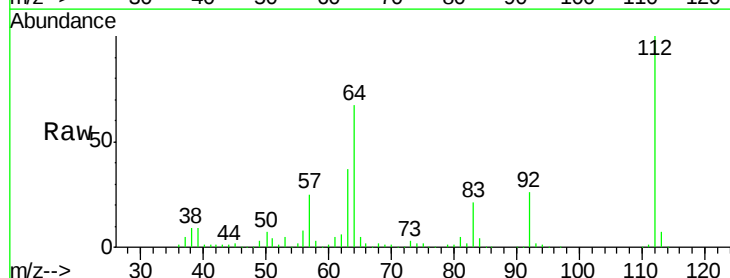
Tgt Ion:112 Resp: 577033

Ion Ratio Lower Upper

112 100

64 67.1 52.1 78.1

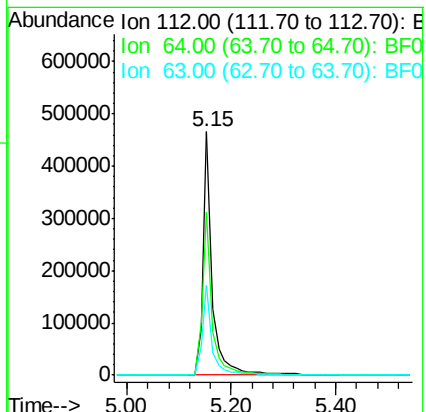
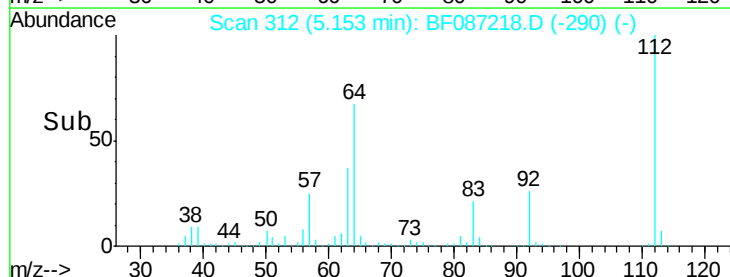
63 36.7 25.7 38.5



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: 52.81 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampled :

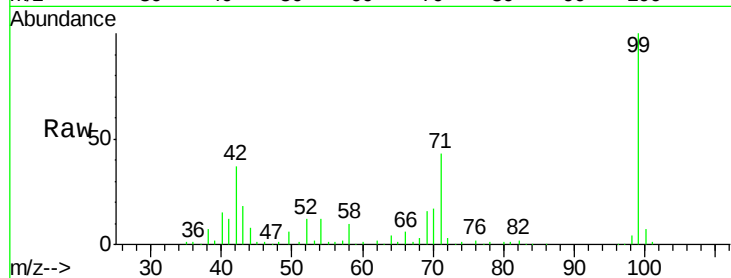
Tot Ion: 99 Resp: 530531

Ion Ratio Lower Upper

99 100

42 36.9 13.6 20.4#

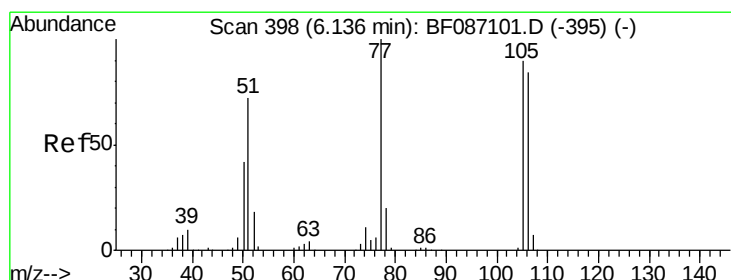
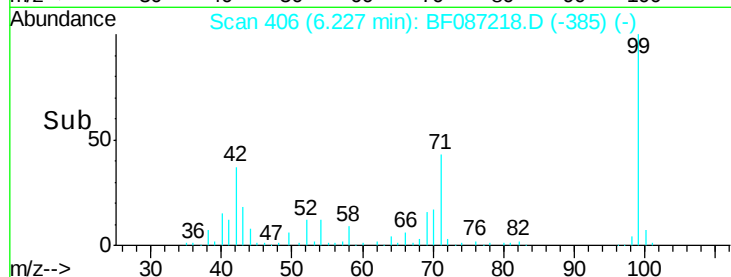
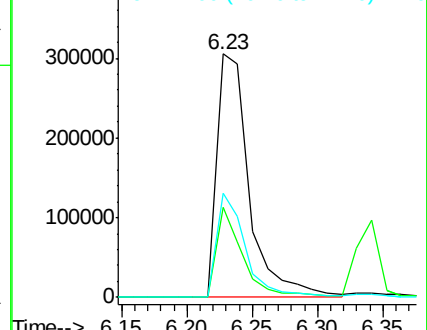
71 42.7 24.6 36.8#



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



#9

Benzaldehyde

Concen: 3.84 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.19 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

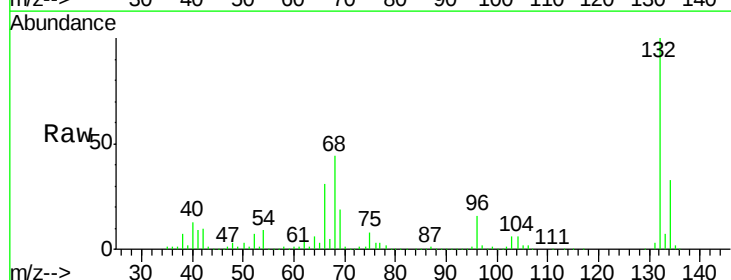
Tgt Ion: 77 Resp: 27721

Ion Ratio Lower Upper

77 100

105 79.3 72.7 112.7

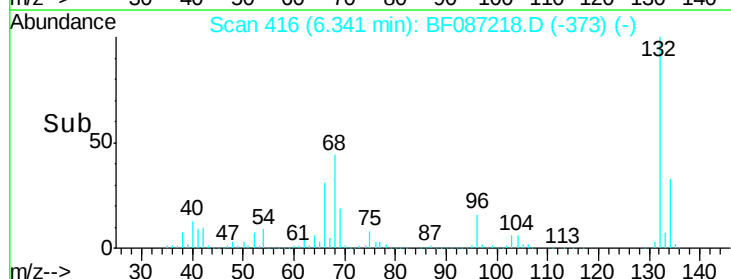
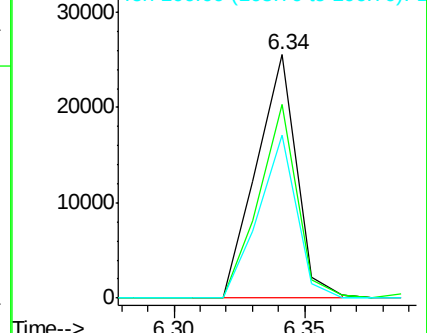
106 66.9 70.8 110.8#

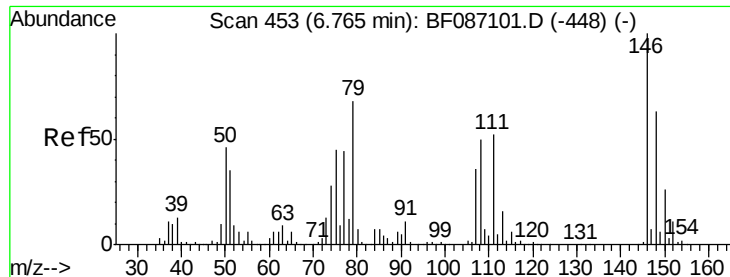


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.06 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampled :

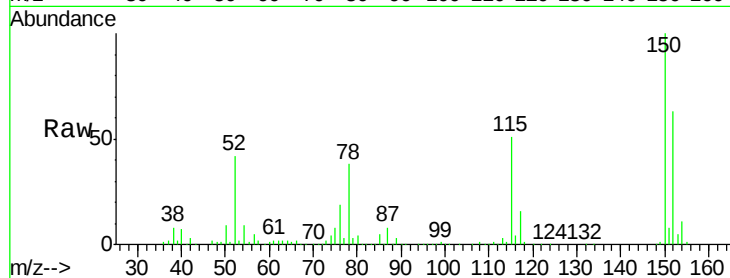
Tot Ion: 79 Resp: 16308

Ion Ratio Lower Upper

79 100

108 28.8 68.4 102.6#

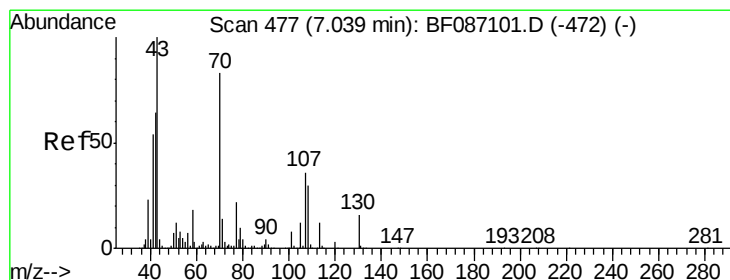
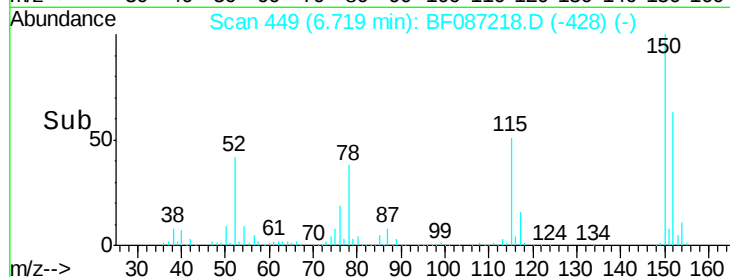
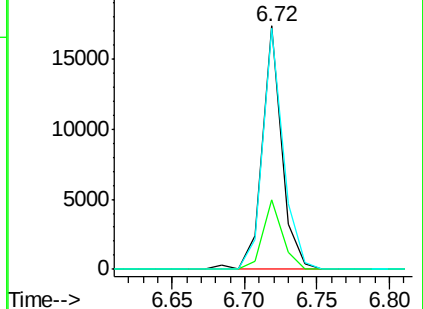
77 99.2 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.39 ng

RT: 7.14 min Scan# 486

Delta R.T. 0.09 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Tgt Ion: 70 Resp: 125192

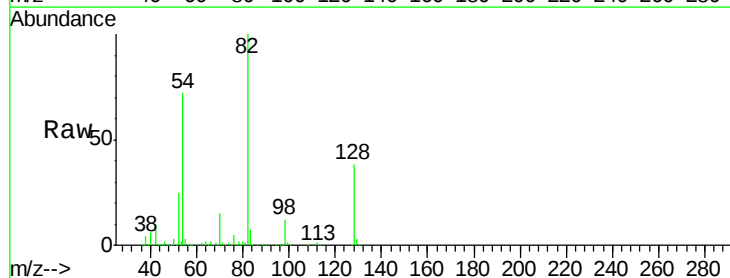
Ion Ratio Lower Upper

70 100

42 68.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

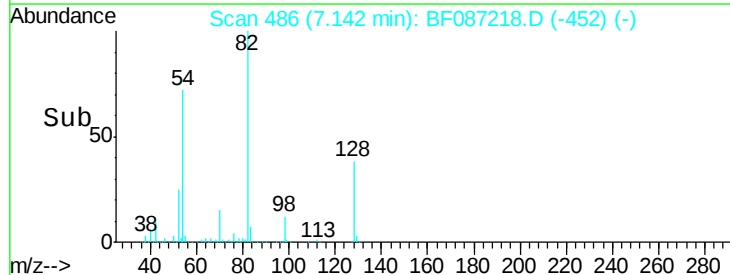
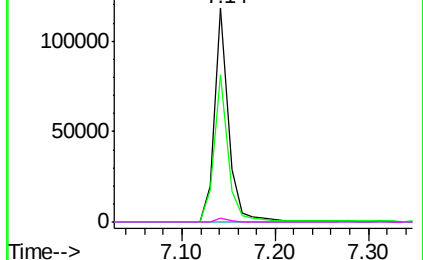


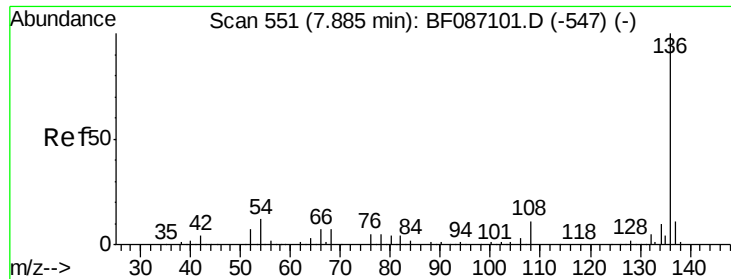
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

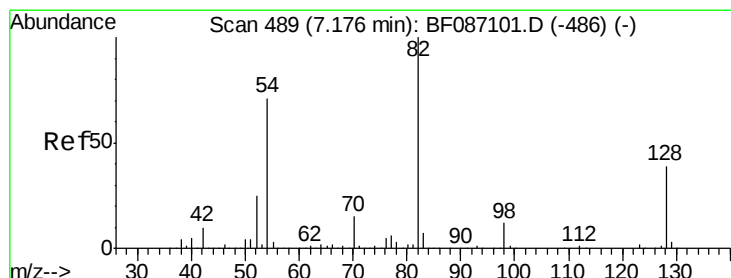
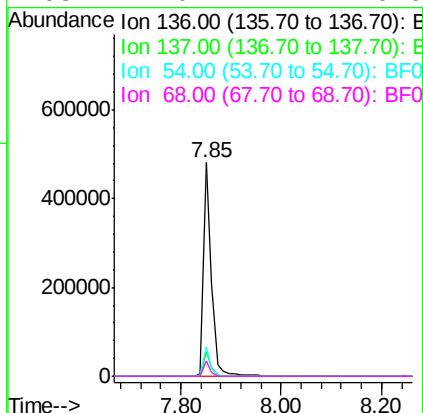
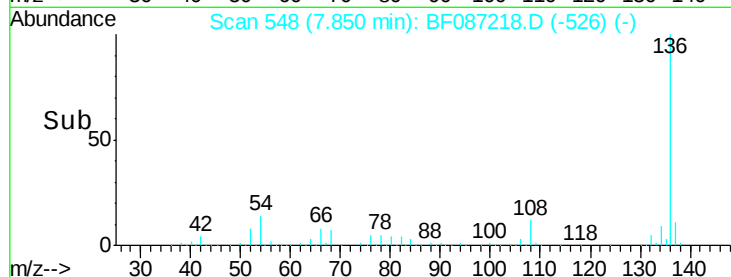
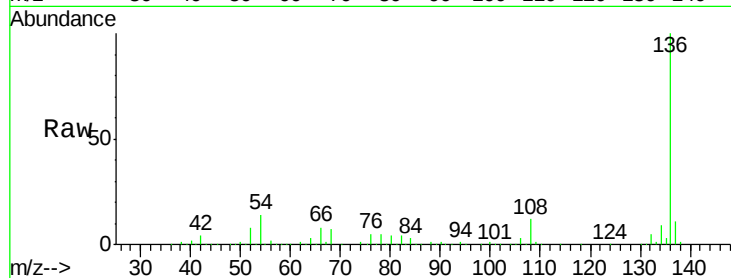




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

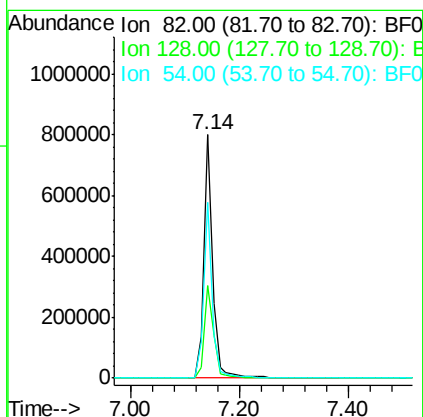
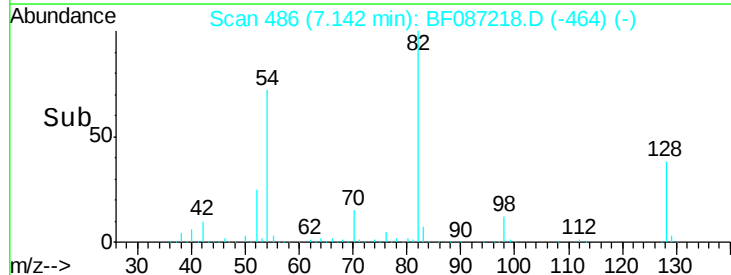
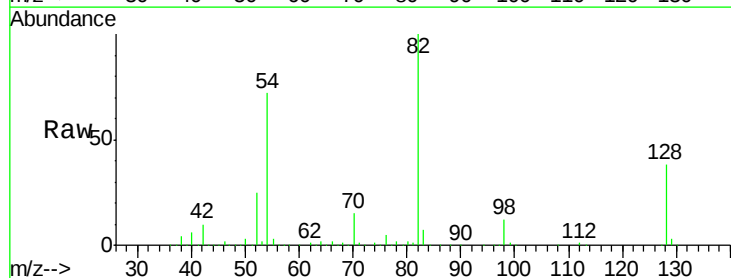
Instrument :
BNA_F
ClientSampleId :

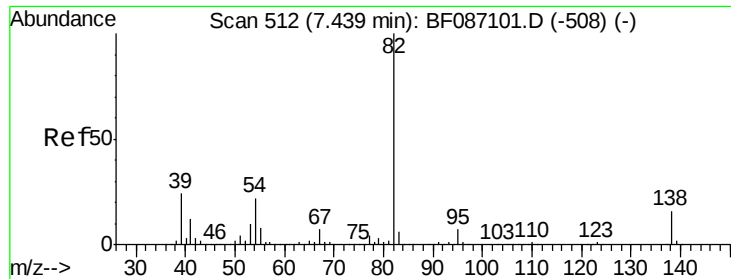
Tot Ion:136	Resp:	521965
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.8	13.2
54 14.0	5.0	7.4#
68 7.0	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 85.17 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.05 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

Tgt Ion: 82	Resp:	891981
Ion Ratio	Lower	Upper
82 100		
128 37.8	40.6	61.0#
54 72.1	38.1	57.1#

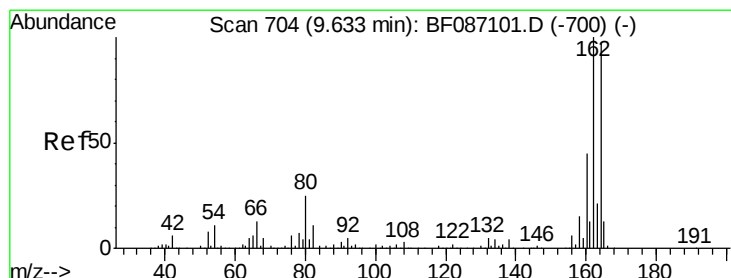
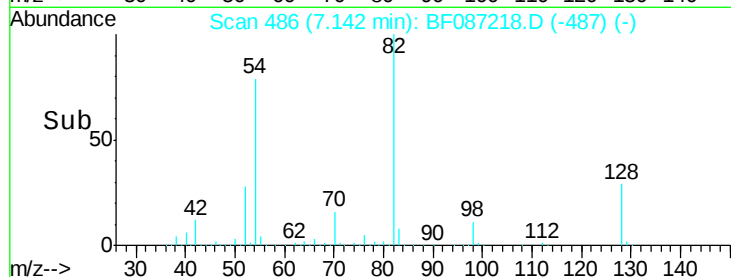
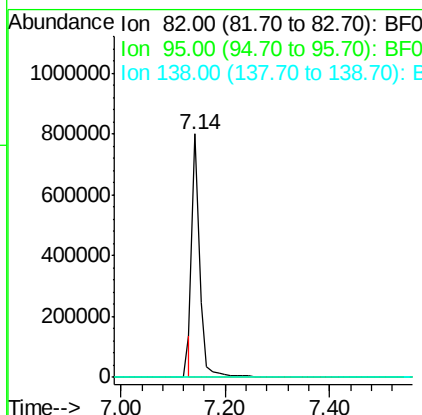
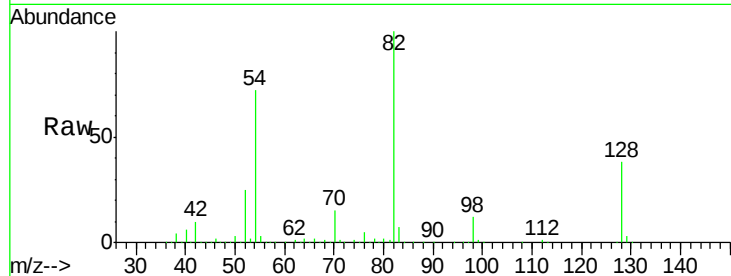




#25
Isophorone
Concen: 41.14 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.31 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

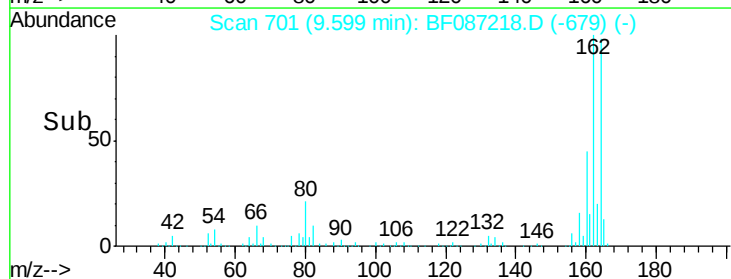
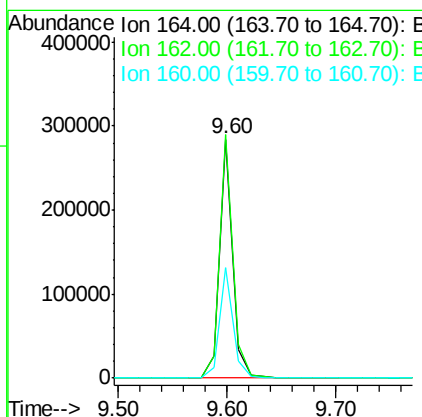
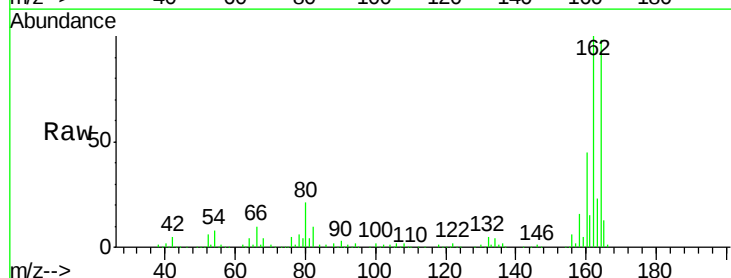
Instrument :
BNA_F
ClientSampled :

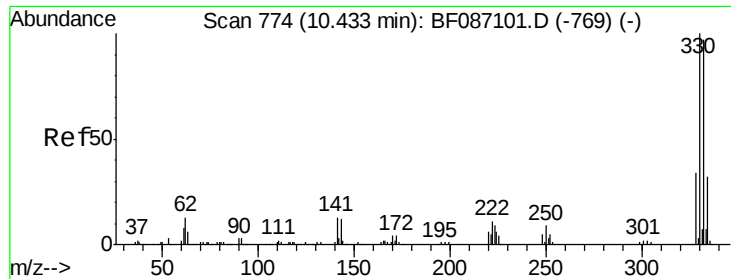
Tot Ion: 82 Resp: 788681
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.60 min Scan# 701
Delta R.T. -0.05 min
Lab File: BF087218.D
Acq: 20 May 2016 8:05

Tgt Ion: 164 Resp: 241845
Ion Ratio Lower Upper
164 100
162 101.9 82.8 124.2
160 46.1 36.9 55.3

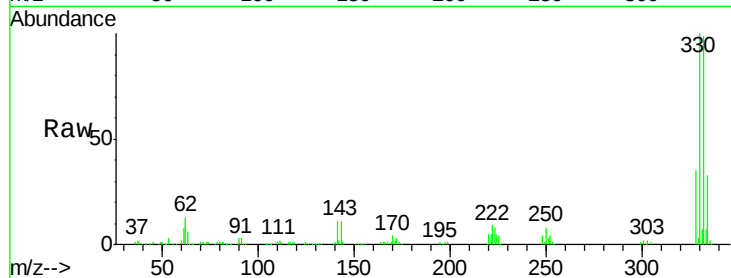




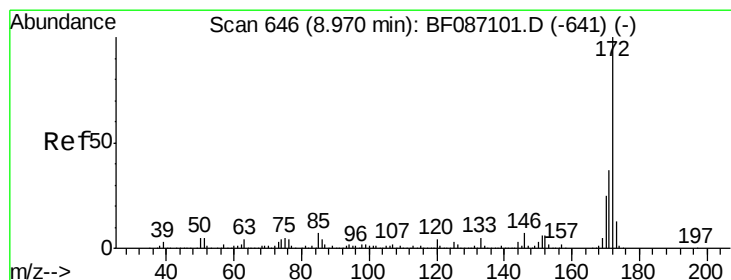
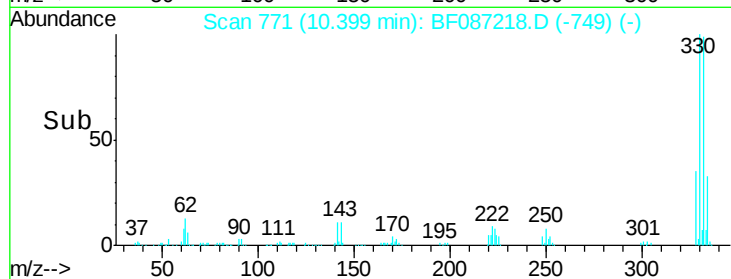
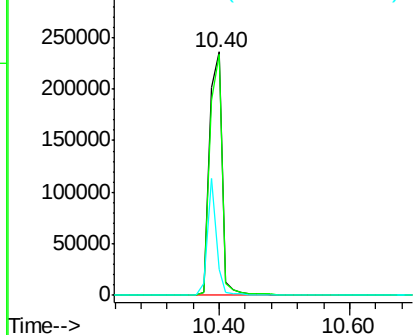
#41
 2,4,6-Tribromophenol
 Concen: 121.28 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 324112
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 33.5 31.2 46.8

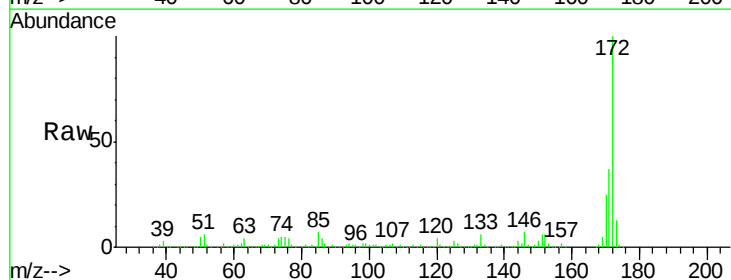


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

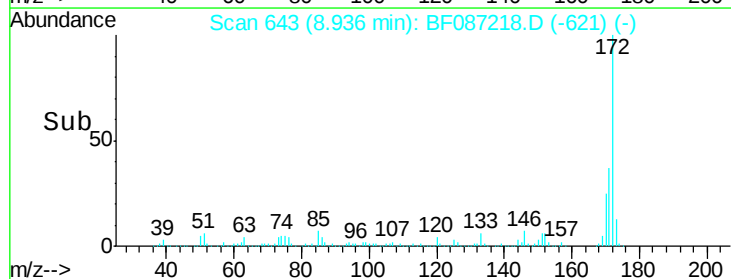
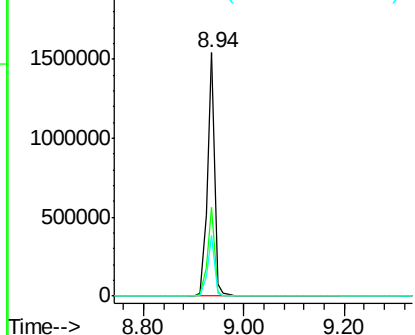


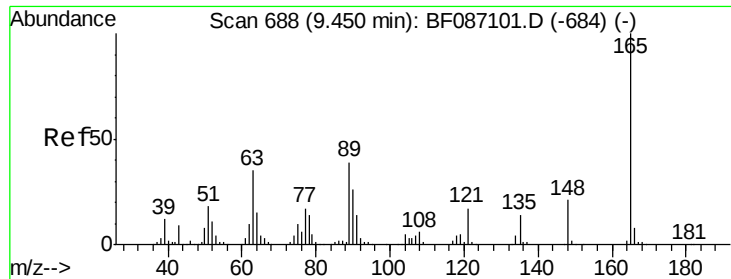
#44
 2-Fluorobiphenyl
 Concen: 103.49 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.05 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

Tgt Ion:172 Resp: 1511278
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.0 43.6
 170 24.9 19.8 29.8



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

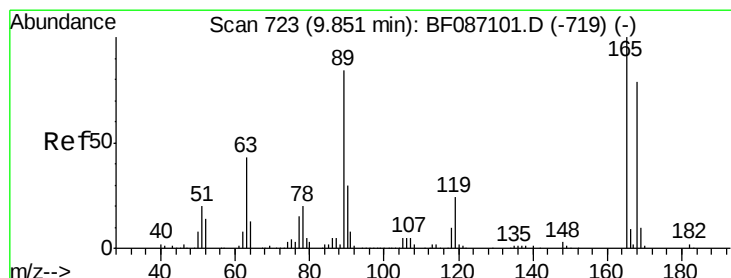
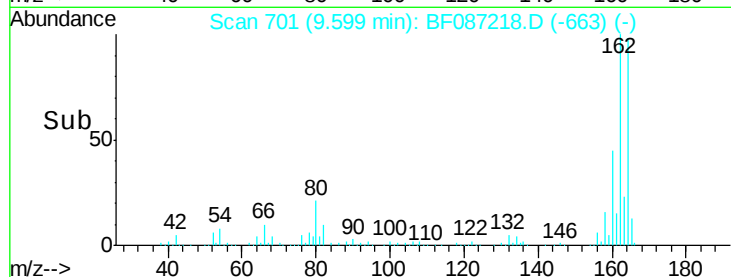
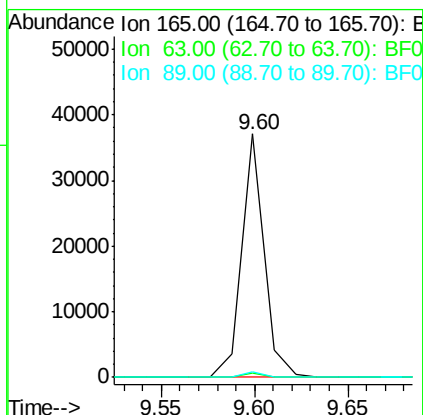
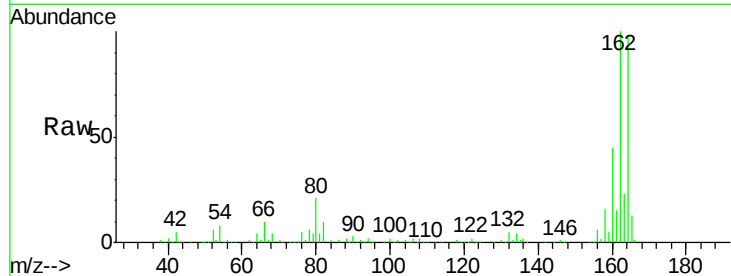




#50
 2,6-Dinitrotoluene
 Concen: 7.78 ng
 RT: 9.60 min Scan# 701
 Delta R.T. 0.14 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

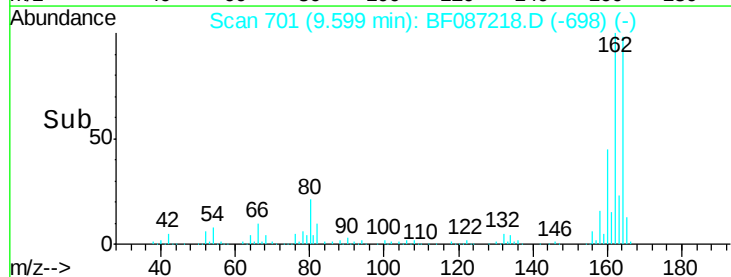
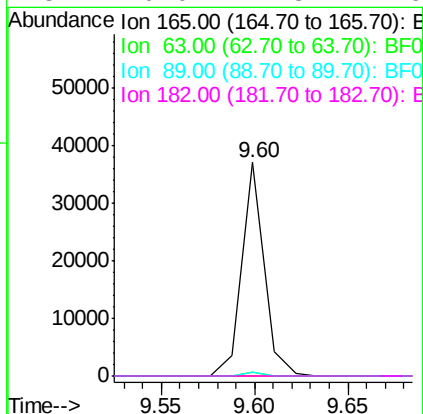
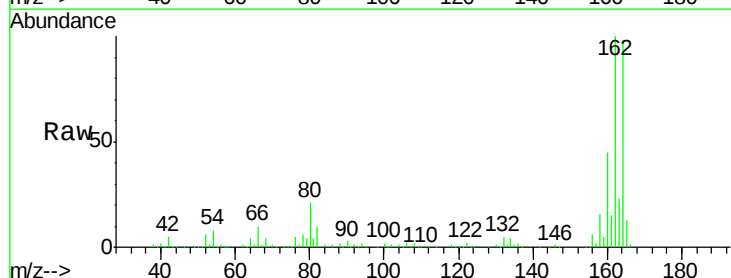
Instrument :
 BNA_F
 ClientSampleId :

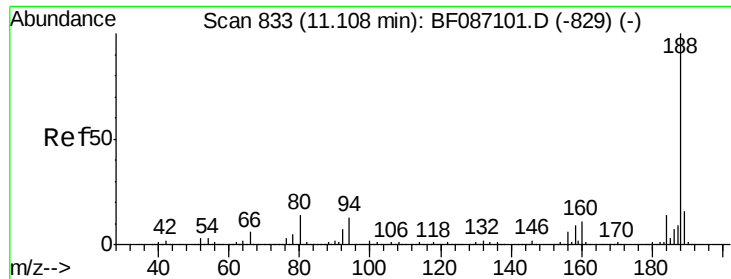
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	51.8	77.8#
89	2.0	50.7	76.1#



#56
 2,4-Dinitrotoluene
 Concen: 6.07 ng
 RT: 9.60 min Scan# 701
 Delta R.T. -0.26 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.3	66.5#
89	2.0	70.0	105.0#
182	0.0	1.8	2.6#

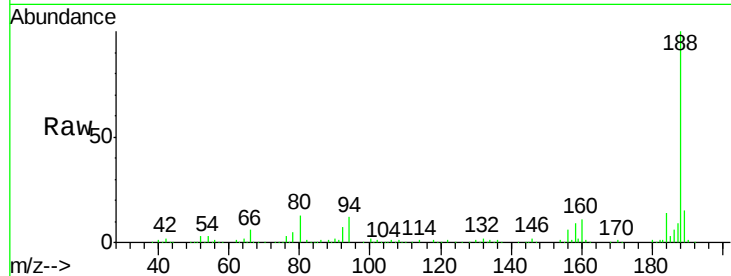




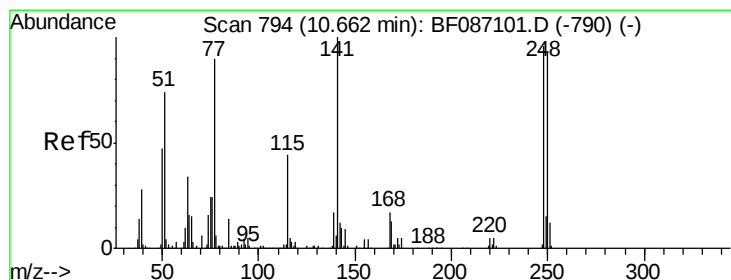
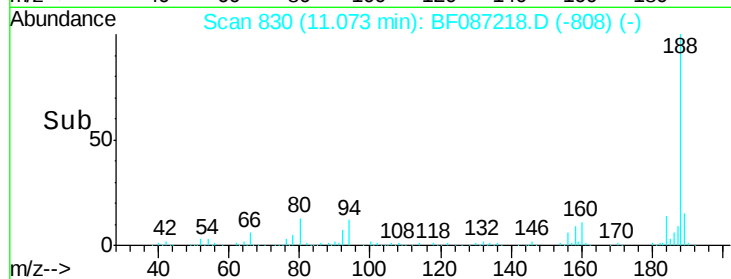
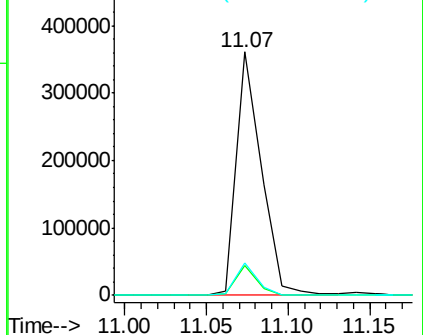
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 830
 Delta R.T. -0.05 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.1	6.8	10.2#
80	13.4	7.1	10.7#

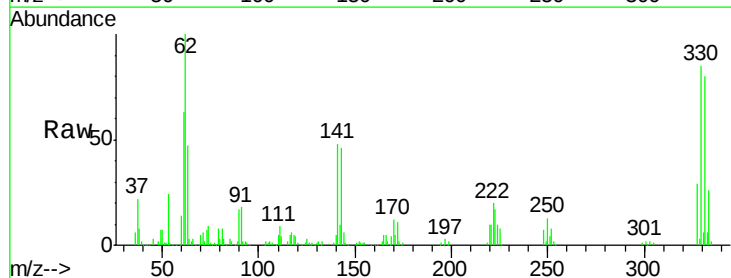


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

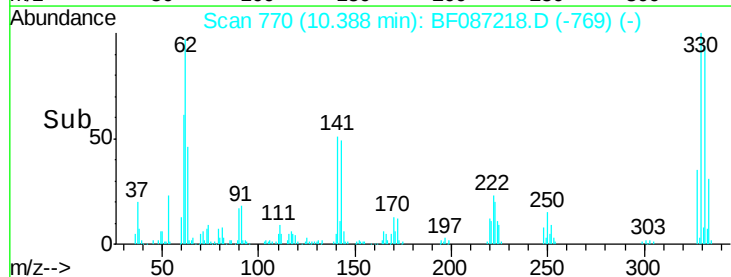
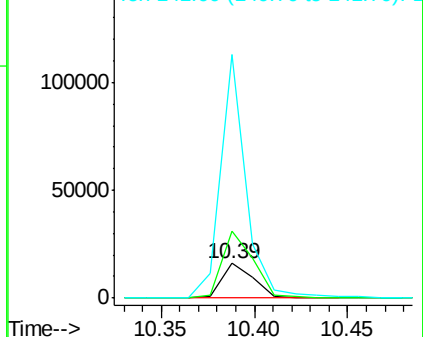


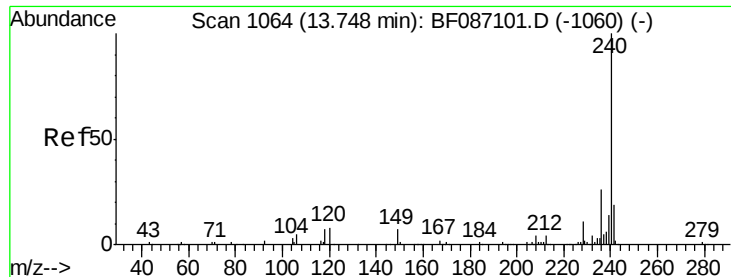
#66
 4-Bromophenyl-phenylether
 Concen: 4.87 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.29 min
 Lab File: BF087218.D
 Acq: 20 May 2016 8:05

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.8	78.6	117.8#
141	702.2	76.0	114.0#



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: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Instrument :

BNA_F

ClientSampleId :

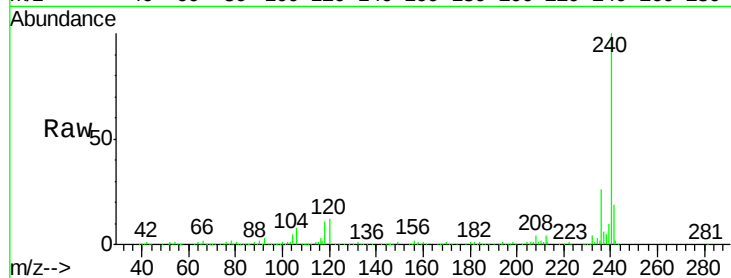
Tot Ion:240 Resp: 281174

Ion Ratio Lower Upper

240 100

120 11.9 11.2 16.8

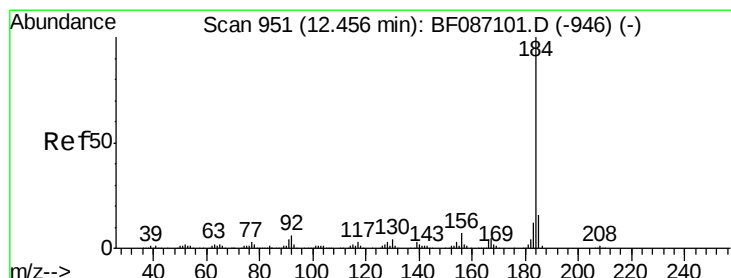
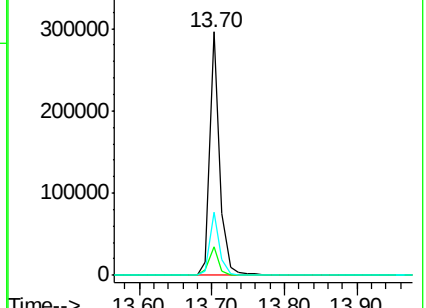
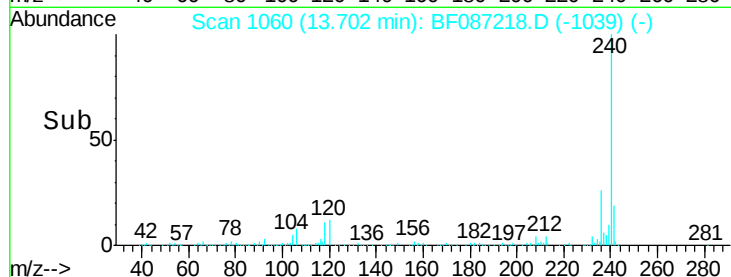
236 26.0 21.2 31.8



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



#76

Benzidine

Concen: 2.53 ng

RT: 12.66 min Scan# 969

Delta R.T. 0.20 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

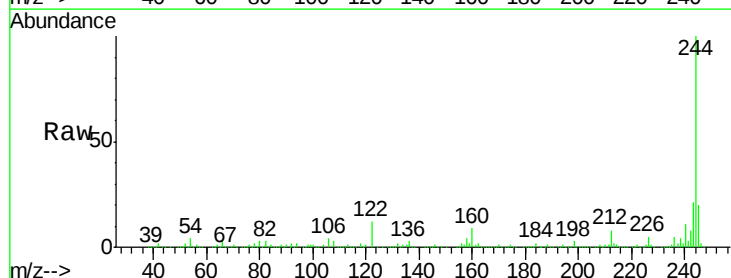
Tgt Ion:184 Resp: 16658

Ion Ratio Lower Upper

184 100

185 17.3 13.6 20.4

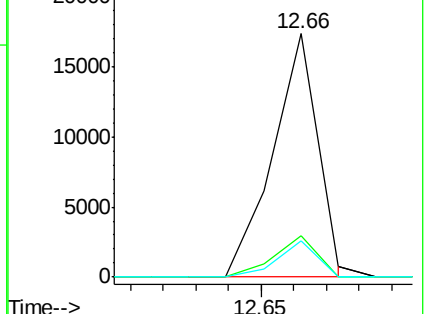
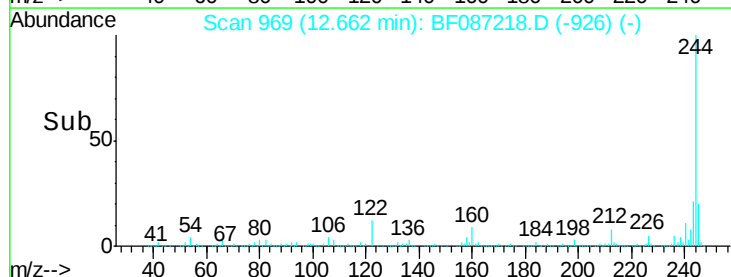
183 15.1 9.8 14.6#

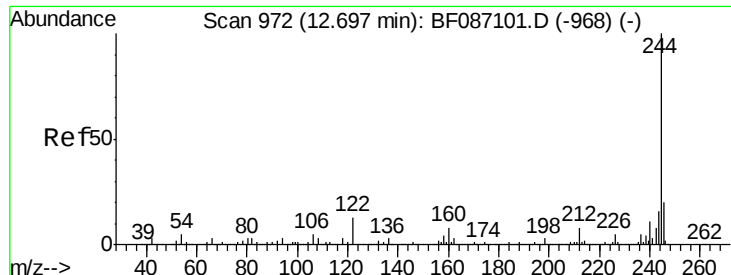


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.43 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

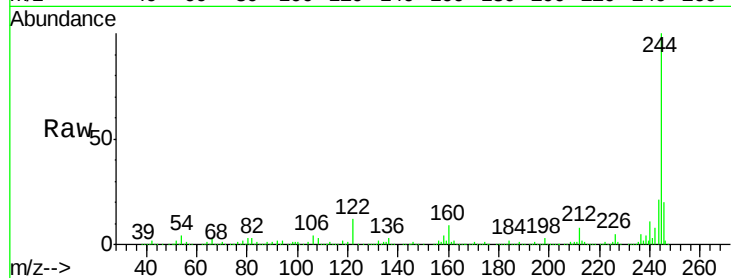
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1024592

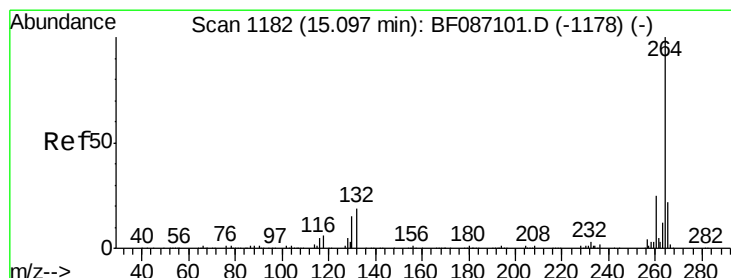
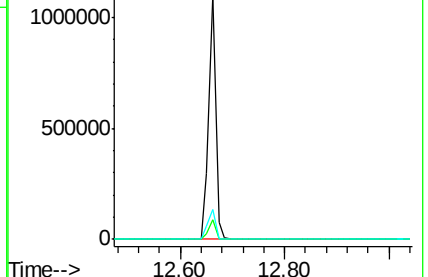
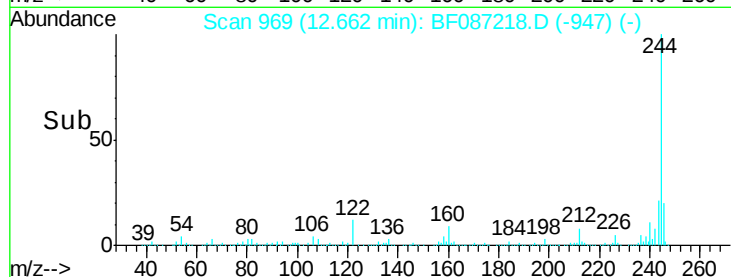
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	12.1	12.0	18.0



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: 15.06 min Scan# 1179

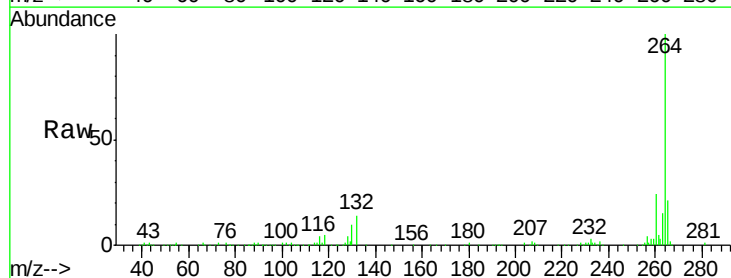
Delta R.T. -0.05 min

Lab File: BF087218.D

Acq: 20 May 2016 8:05

Tgt Ion:264 Resp: 258191

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.4	17.3	25.9



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

