

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087181.D
 Acq On : 19 May 2016 10:07
 Operator : UM/SJ
 Sample : H3121-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Quant Time: May 19 12:44:37 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

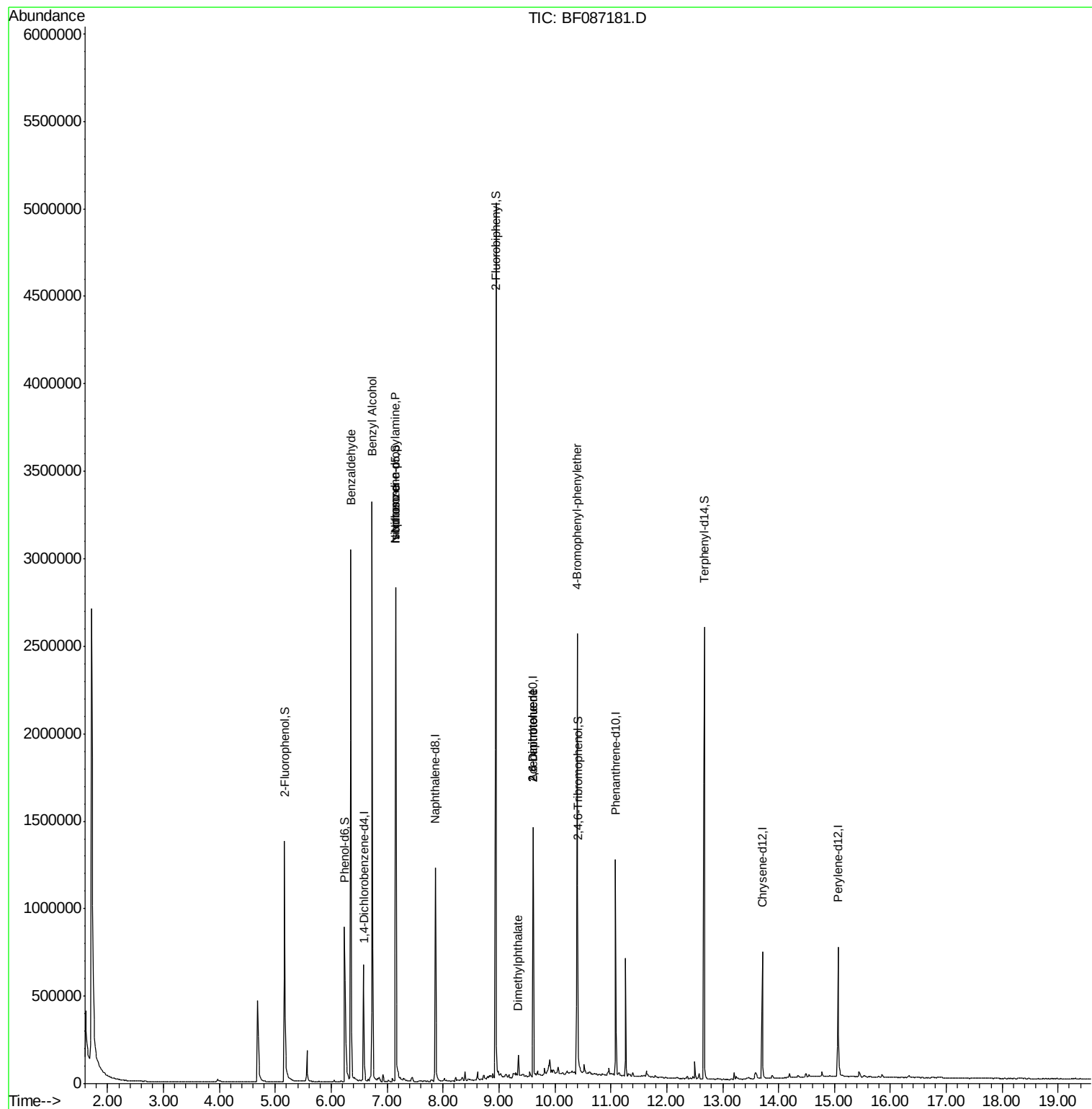
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	130410	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	527868	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	251275	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	410831	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	289826	20.00	ng	-0.05
86) Perylene-d12	15.06	264	297793	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	473924	61.08	ng	-0.03
7) Phenol-d6	6.24	99	399610	38.40	ng	-0.05
23) Nitrobenzene-d5	7.15	82	912293	86.13	ng	-0.03
41) 2,4,6-Tribromophenol	10.41	330	352705	127.02	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1529693	100.82	ng	-0.03
78) Terphenyl-d14	12.67	244	977525	76.30	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.35	77	24814	3.27	ng	# 81
15) Benzyl Alcohol	6.73	79	16149	2.08	ng	# 41
19) n-Nitroso-di-n-propylamine	7.15	70	135118	17.08	ng	# 73
25) Isophorone	7.15	82	742553	38.30	ng	# 68
49) Dimethylphthalate	9.35	163	42737	2.23	ng	99
50) 2,6-Dinitrotoluene	9.61	165	32926	7.91	ng	# 21
56) 2,4-Dinitrotoluene	9.61	165	32926	6.18	ng	# 17
66) 4-Bromophenyl-phenylether	10.40	248	19841	4.70	ng	# 1

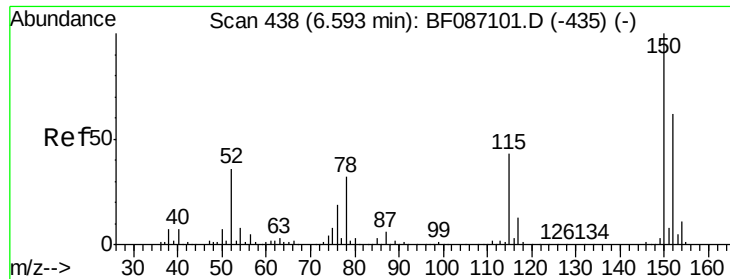
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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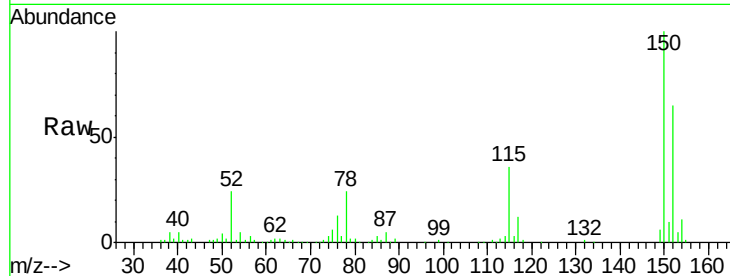


#1

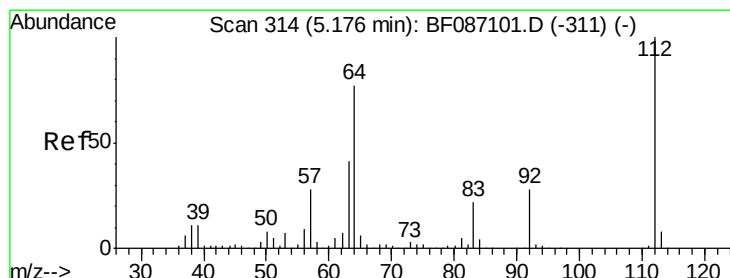
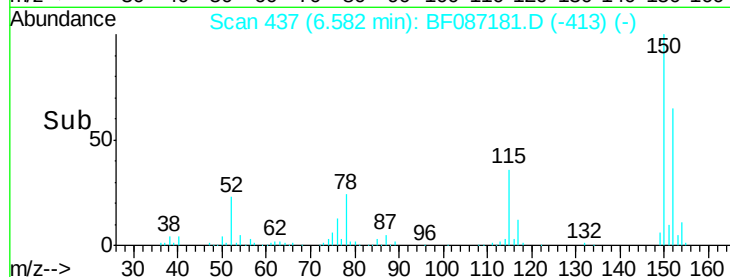
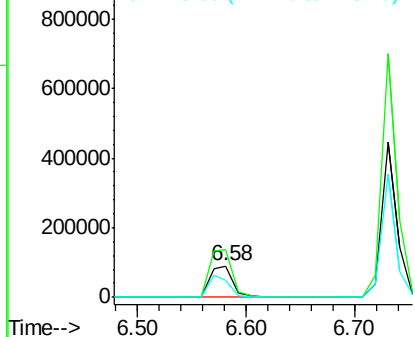
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF087181.D
Acq: 19 May 2016 10:07

Instrument :
BNA_F
ClientSampled :
MW-09

Tot Ion:152 Resp: 130410
Ion Ratio Lower Upper
152 100
150 152.9 125.8 188.6
115 55.8 51.5 77.3



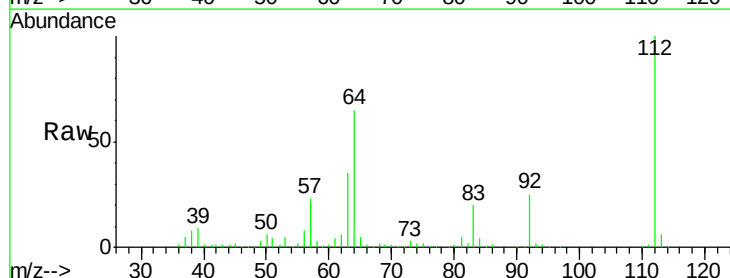
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



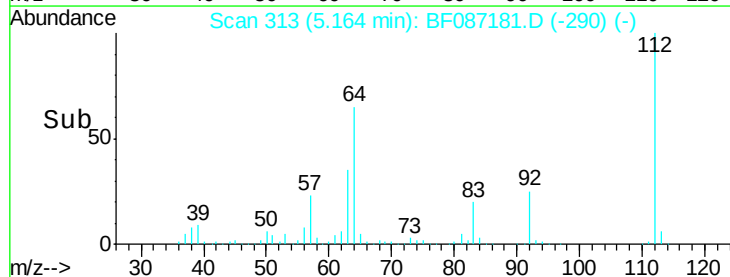
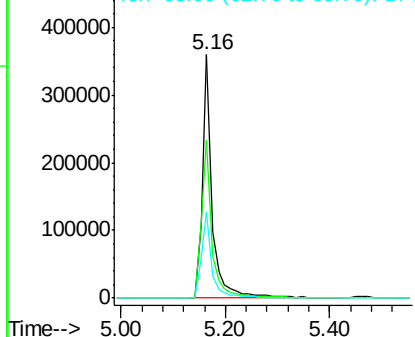
#5

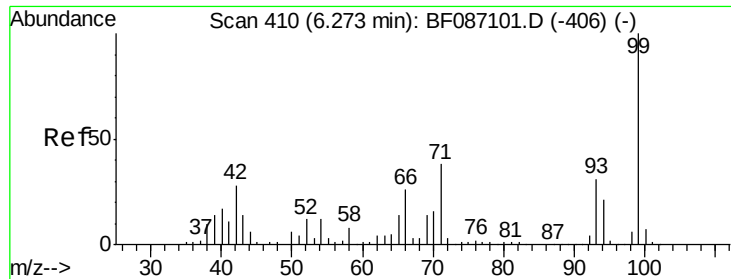
2-Fluorophenol
Concen: 61.08 ng
RT: 5.16 min Scan# 313
Delta R.T. -0.03 min
Lab File: BF087181.D
Acq: 19 May 2016 10:07

Tgt Ion:112 Resp: 473924
Ion Ratio Lower Upper
112 100
64 64.7 52.1 78.1
63 35.4 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: 38.40 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

Instrument :

BNA_F

ClientSampleId :

MW-09

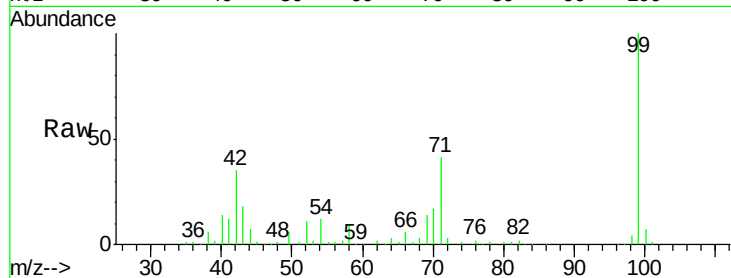
Tot Ion: 99 Resp: 399610

Ion Ratio Lower Upper

99 100

42 34.9 13.6 20.4#

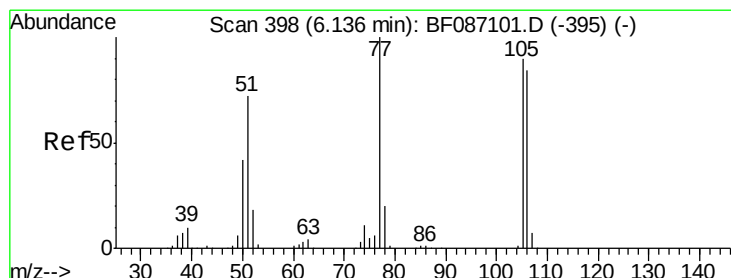
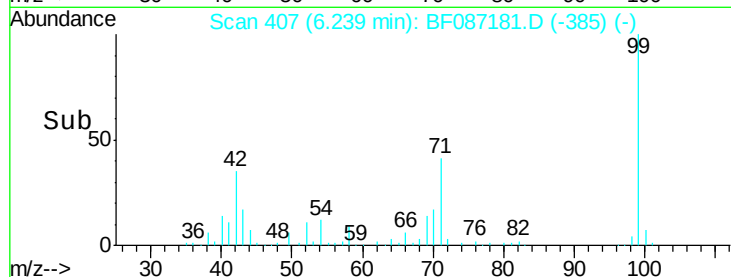
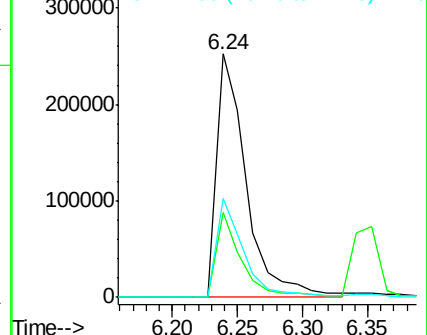
71 40.8 24.6 36.8#



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: 3.27 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

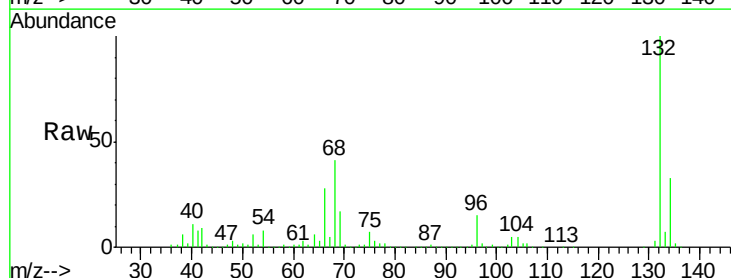
Tgt Ion: 77 Resp: 24814

Ion Ratio Lower Upper

77 100

105 78.3 72.7 112.7

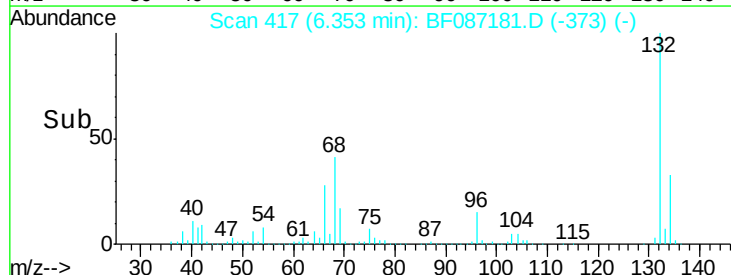
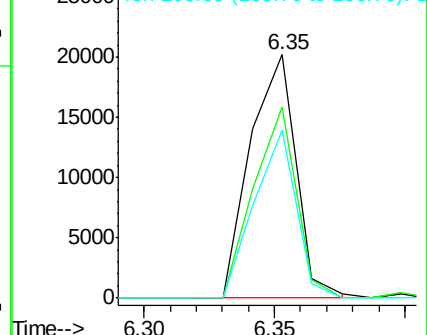
106 68.9 70.8 110.8#

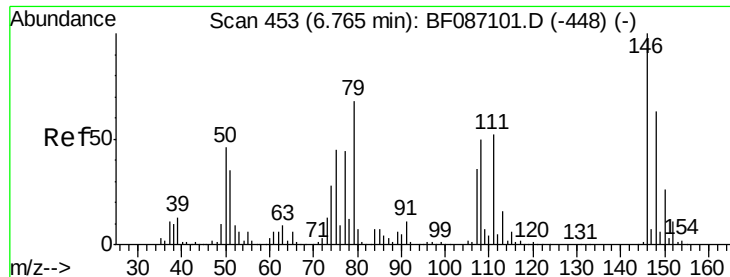


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

Instrument :

BNA_F

ClientSampled :

MW-09

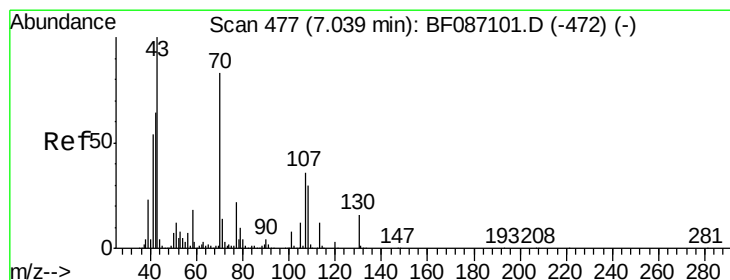
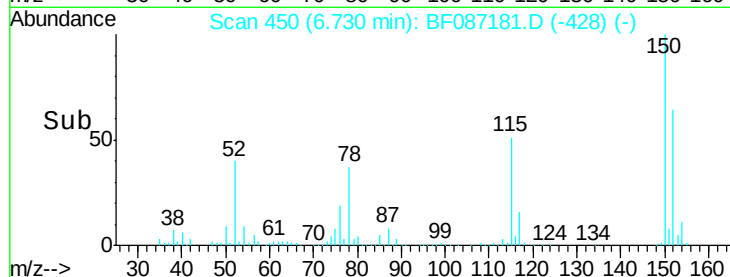
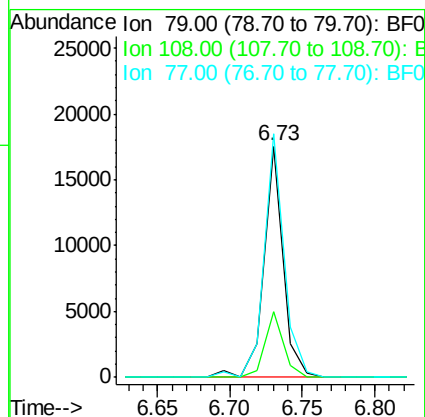
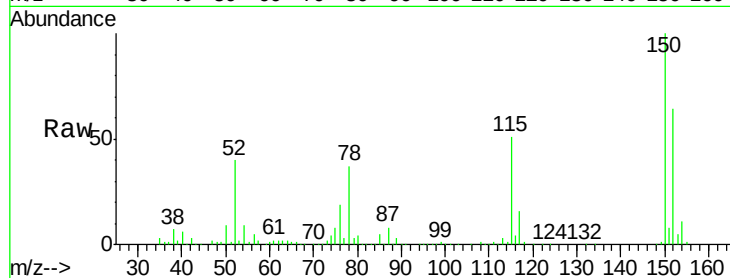
Tot Ion: 79 Resp: 16149

Ion Ratio Lower Upper

79 100

108 28.3 68.4 102.6#

77 105.4 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 17.08 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.10 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

Tgt Ion: 70 Resp: 135118

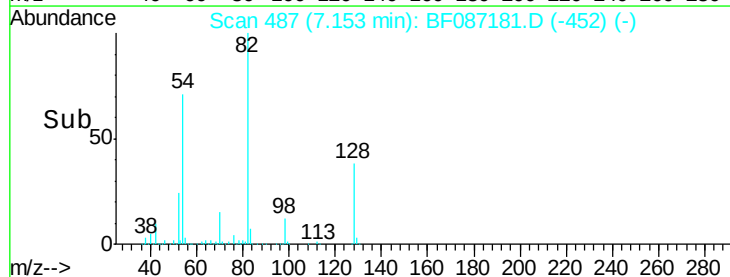
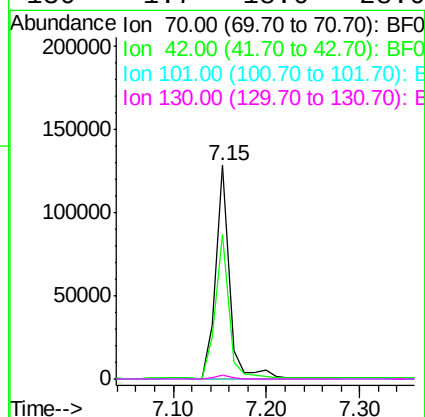
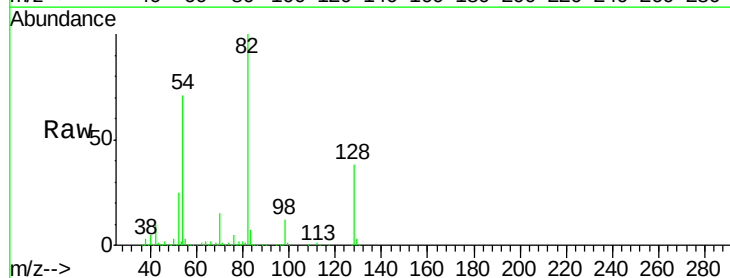
Ion Ratio Lower Upper

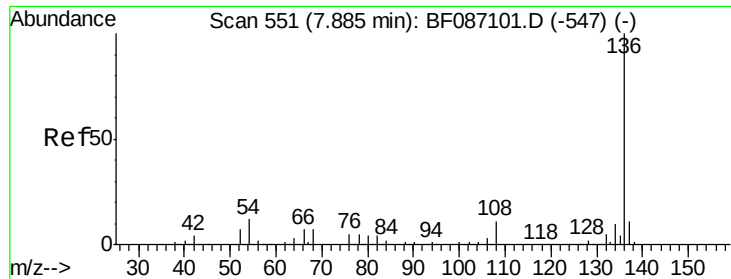
70 100

42 67.7 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

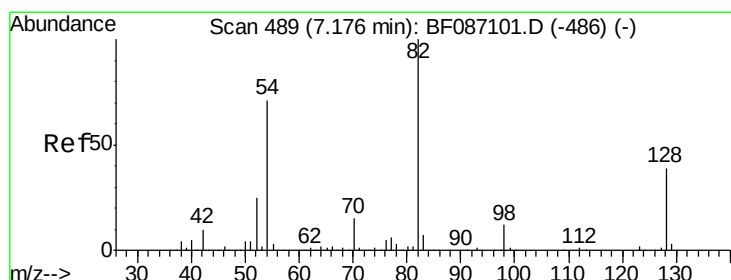
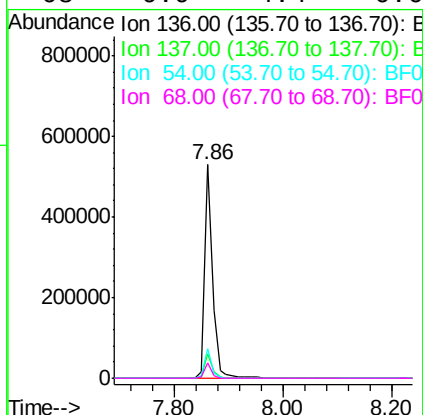
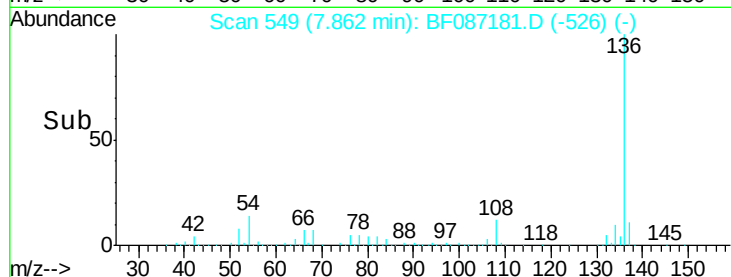
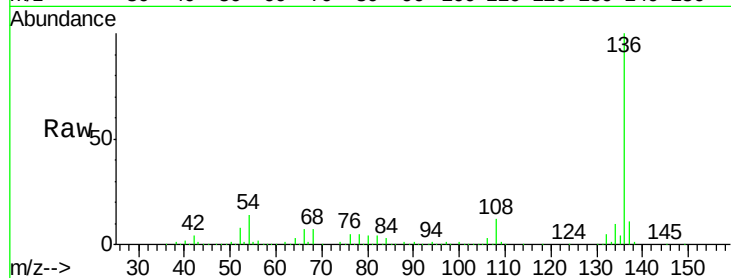




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087181.D
Acq: 19 May 2016 10:07

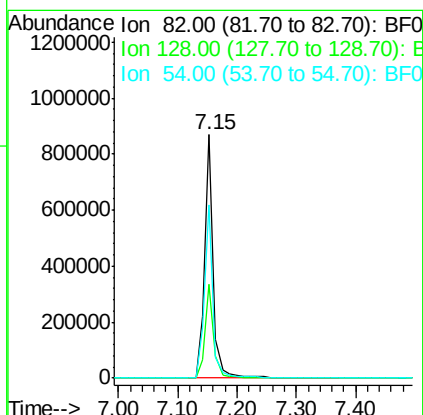
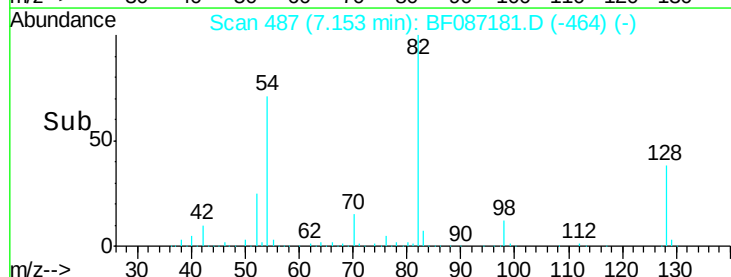
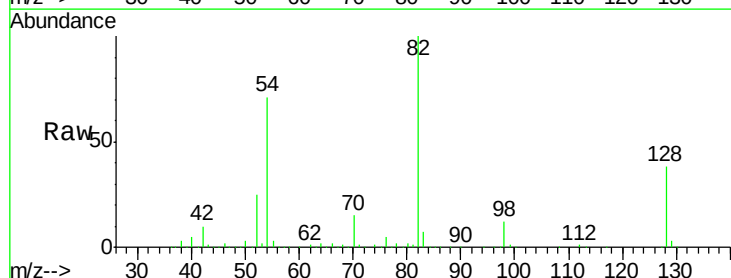
Instrument :
BNA_F
ClientSampleId :
MW-09

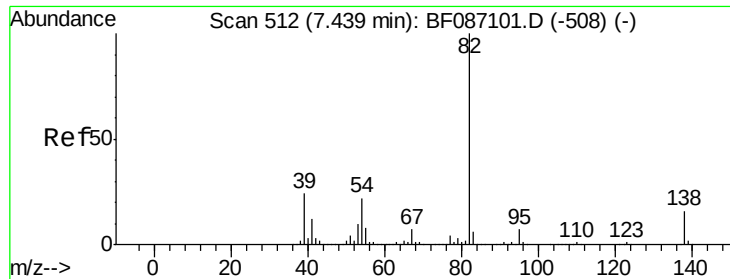
Tot Ion:136	Resp:	527868
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.8 13.2
54	13.6	5.0 7.4#
68	6.9	4.4 6.6#



#23
Nitrobenzene-d5
Concen: 86.13 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.03 min
Lab File: BF087181.D
Acq: 19 May 2016 10:07

Tgt Ion: 82	Resp:	912293
Ion	Ratio	Lower Upper
82	100	
128	38.4	40.6 61.0#
54	71.2	38.1 57.1#





#25

Isophorone

Concen: 38.30 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

Instrument :

BNA_F

ClientSampled :

MW-09

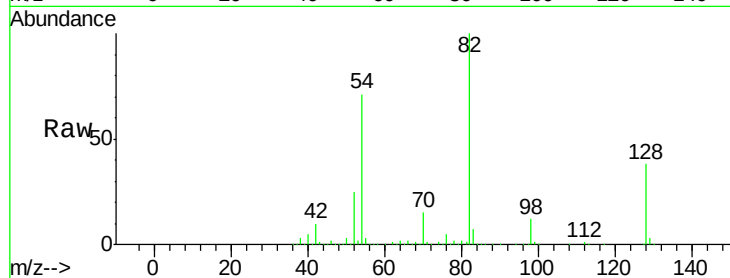
Tot Ion: 82 Resp: 742553

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

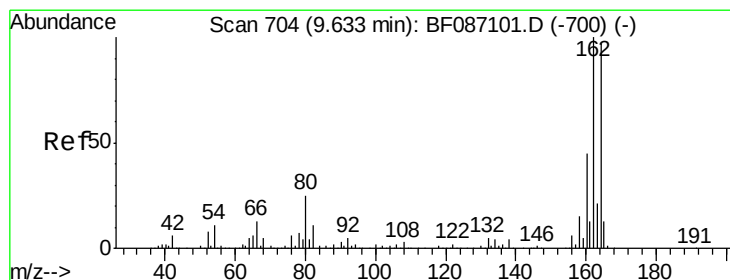
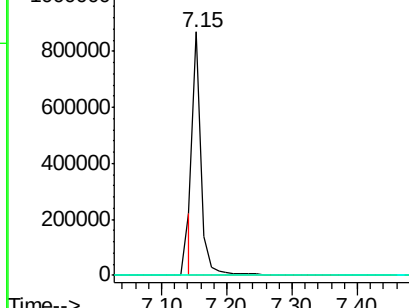
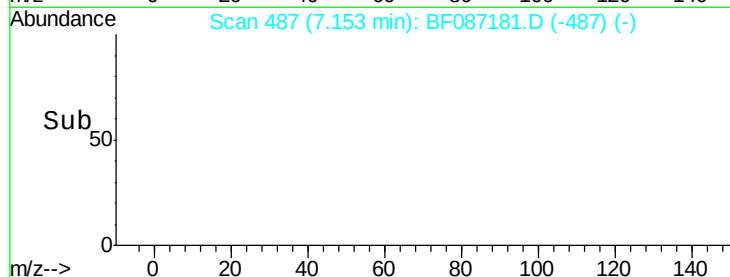
138 0.0 12.4 18.6#



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: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

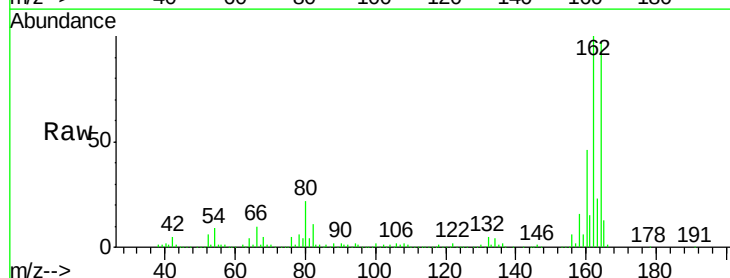
Tgt Ion: 164 Resp: 251275

Ion Ratio Lower Upper

164 100

162 102.8 82.8 124.2

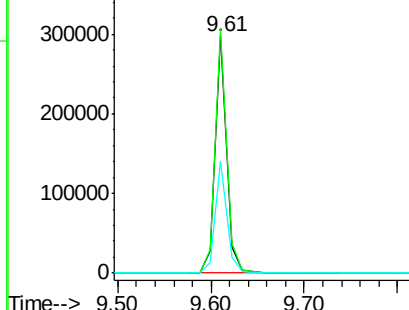
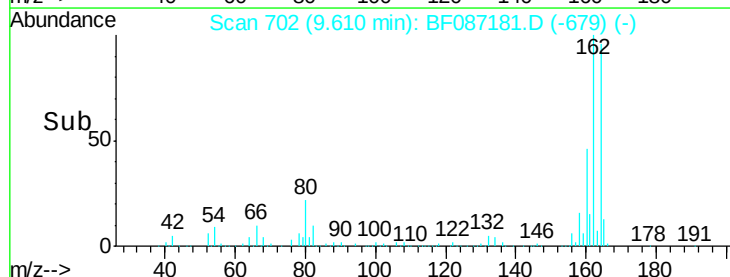
160 47.0 36.9 55.3

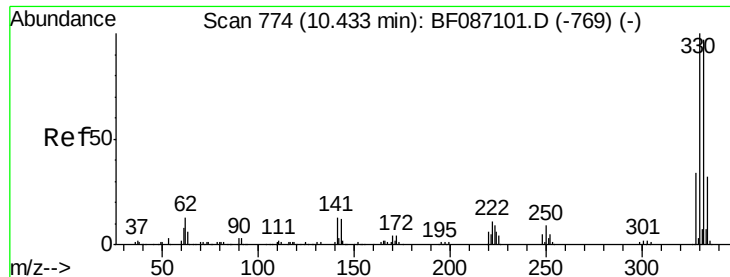


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

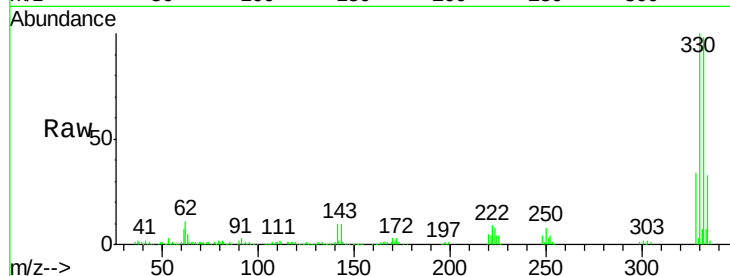




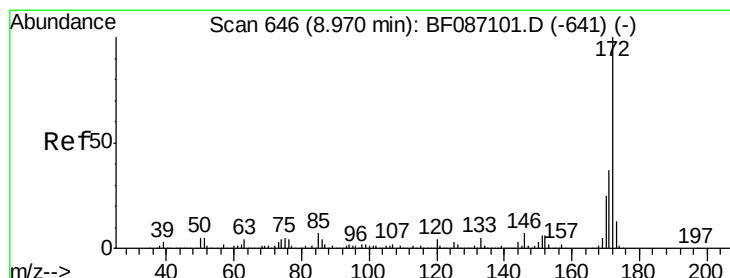
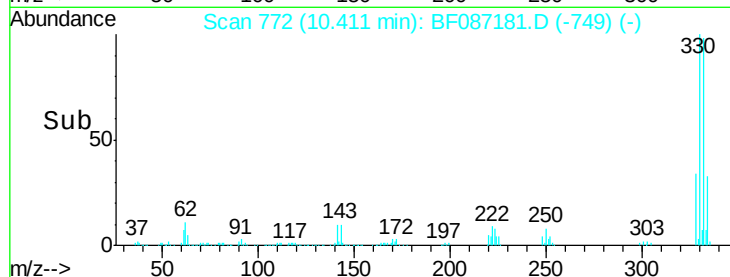
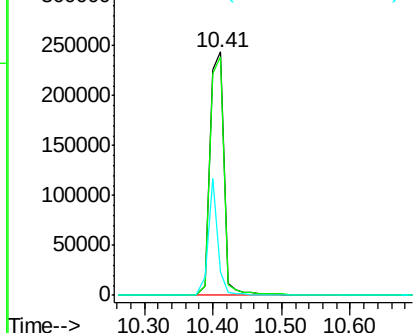
#41
 2,4,6-Tribromophenol
 Concen: 127.02 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.03 min
 Lab File: BF087181.D
 Acq: 19 May 2016 10:07

Instrument :
 BNA_F
 ClientSampleId :
 MW-09

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.3	79.0	118.4
141	33.8	31.2	46.8

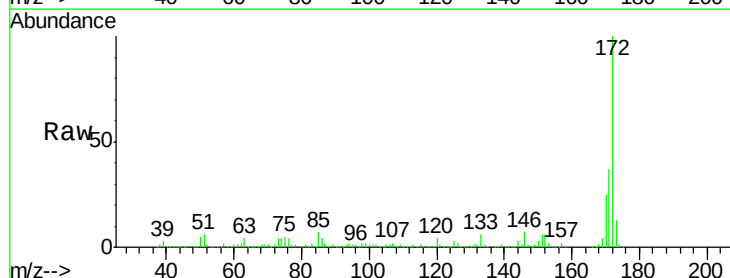


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

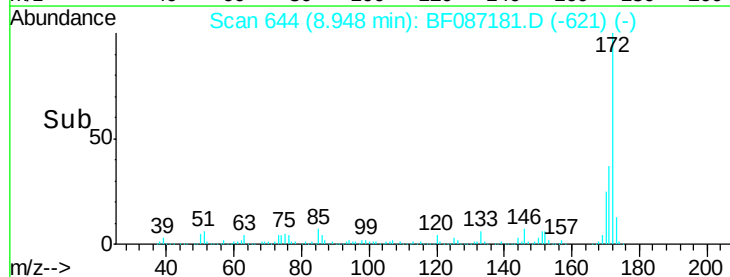
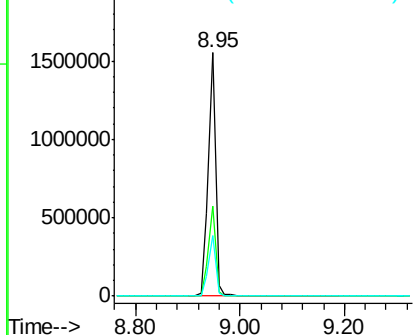


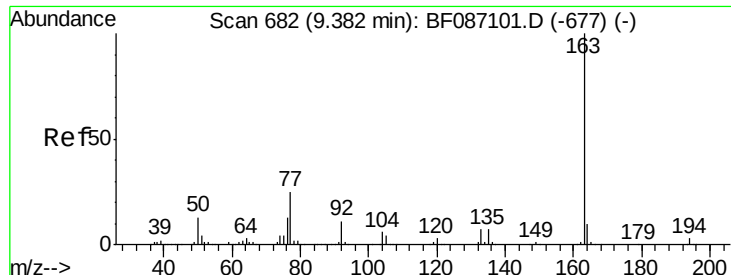
#44
 2-Fluorobiphenyl
 Concen: 100.82 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087181.D
 Acq: 19 May 2016 10:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	25.0	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





#49

Dimethylphthalate

Concen: 2.23 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

Instrument :

BNA_F

ClientSampleId :

MW-09

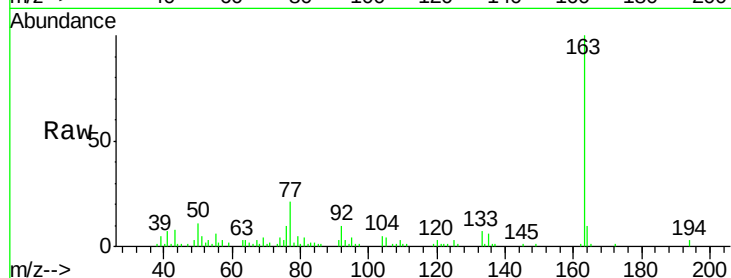
Tot Ion:163 Resp: 42737

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

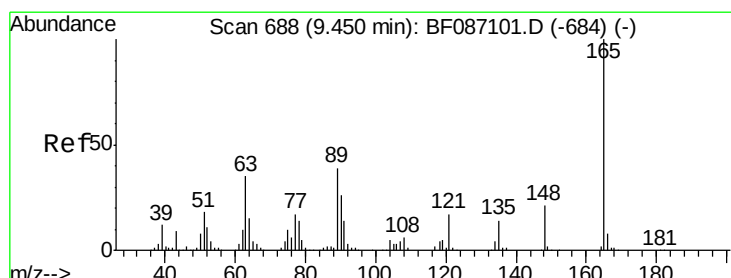
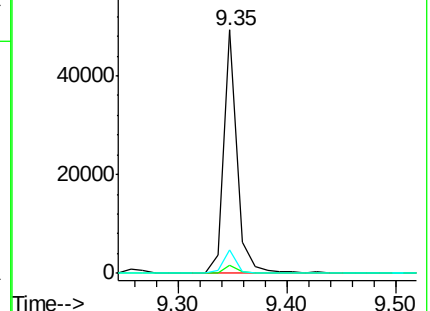
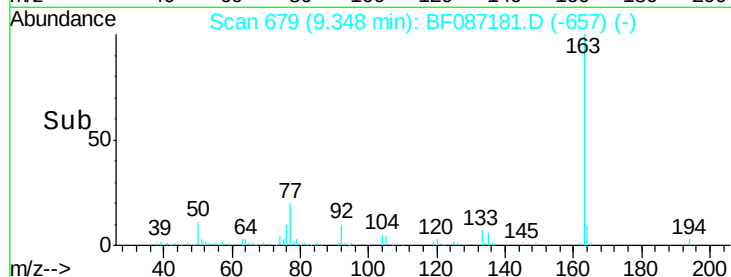
164 9.6 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 7.91 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.15 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

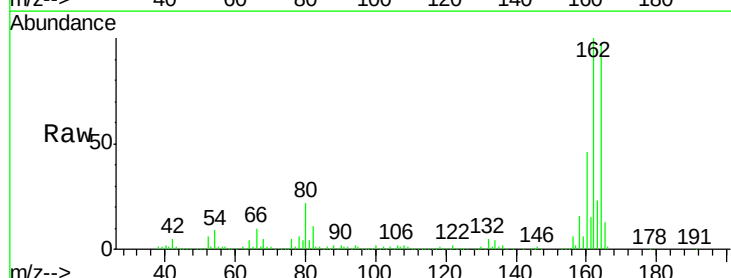
Tgt Ion:165 Resp: 32926

Ion Ratio Lower Upper

165 100

63 2.6 51.8 77.8#

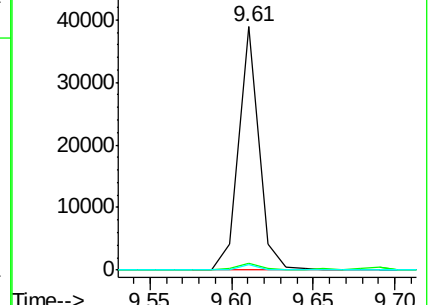
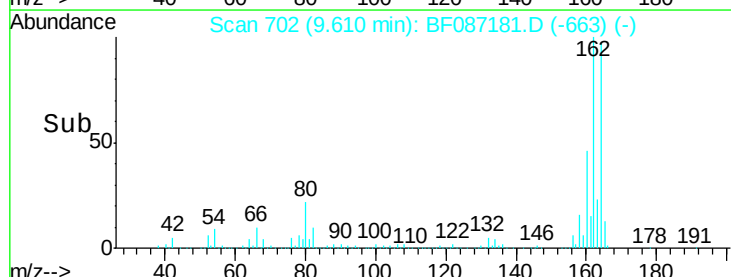
89 2.4 50.7 76.1#

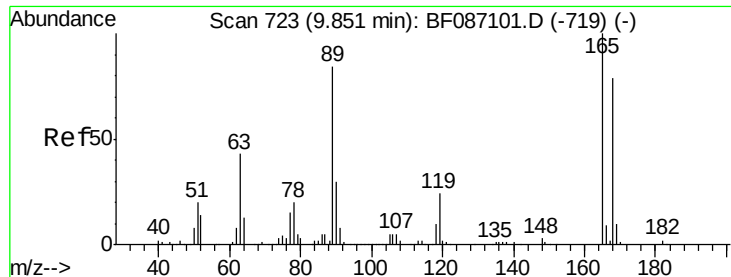


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

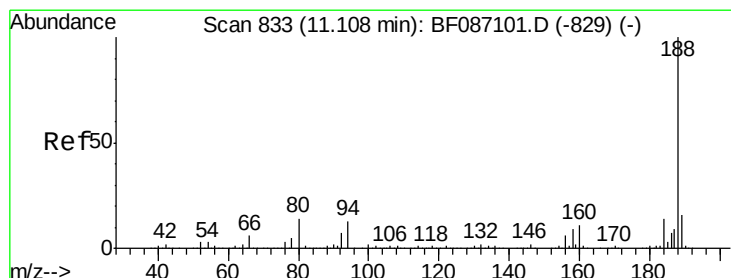
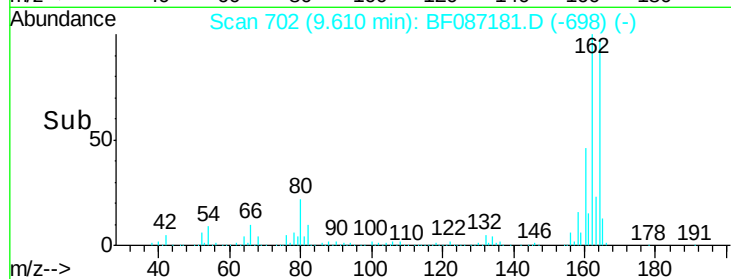
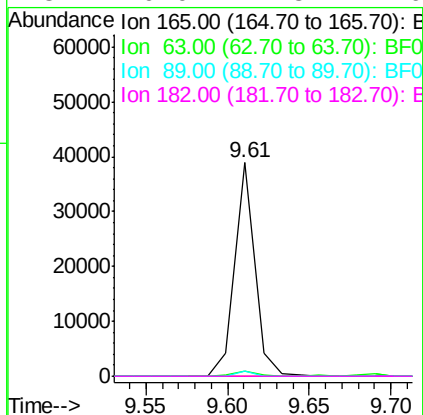
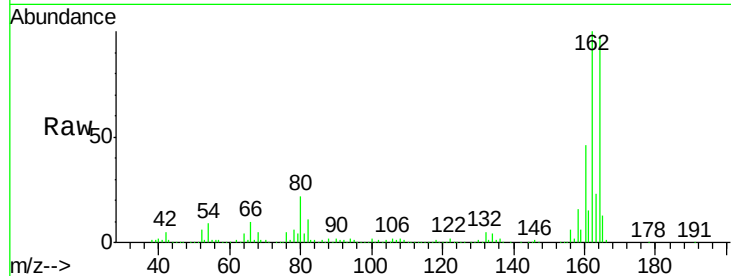




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.25 min
 Lab File: BF087181.D
 Acq: 19 May 2016 10:07

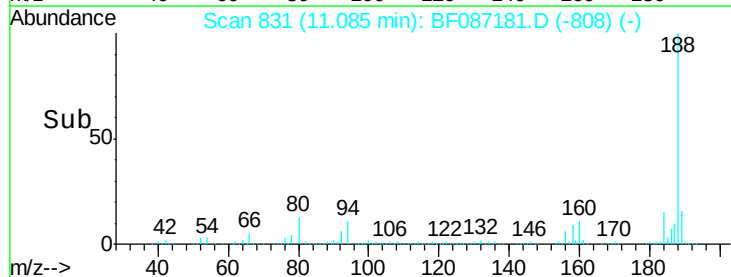
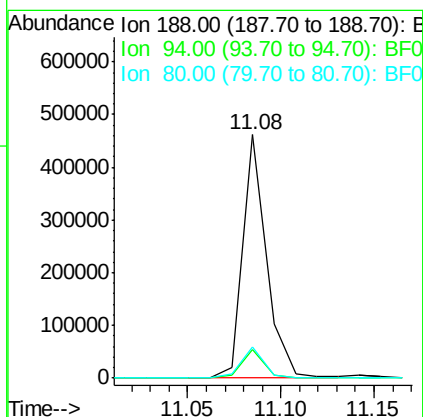
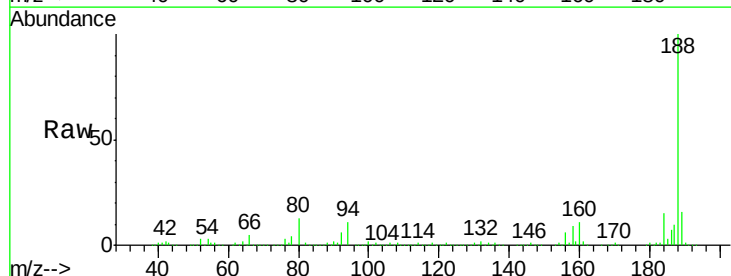
Instrument :
 BNA_F
 ClientSampleId :
 MW-09

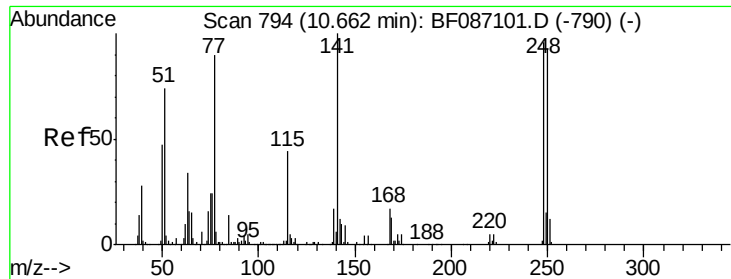
Tot Ion:165 Resp: 32926
 Ion Ratio Lower Upper
 165 100
 63 2.6 44.3 66.5#
 89 2.4 70.0 105.0#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: BF087181.D
 Acq: 19 May 2016 10:07

Tgt Ion:188 Resp: 410831
 Ion Ratio Lower Upper
 188 100
 94 11.5 6.8 10.2#
 80 12.7 7.1 10.7#





#66

4-Bromophenyl-phenylether

Concen: 4.70 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.27 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

Instrument :

BNA_F

ClientSampleId :

MW-09

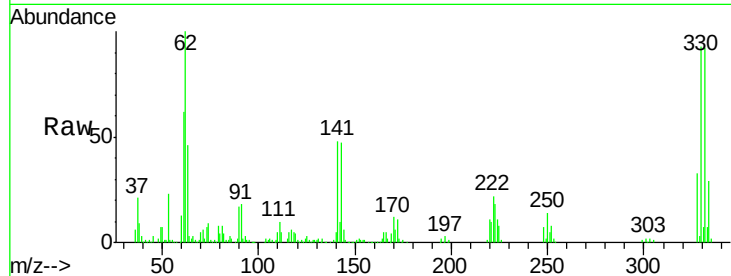
Tot Ion:248 Resp: 19841

Ion Ratio Lower Upper

248 100

250 201.7 78.6 117.8#

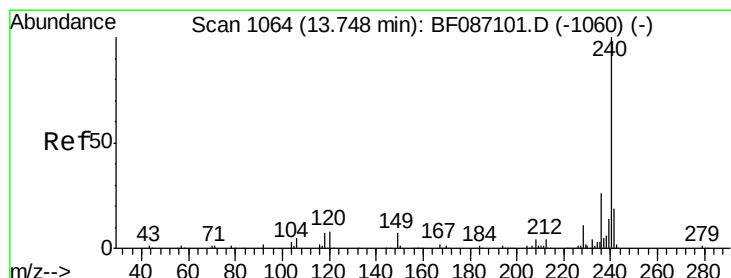
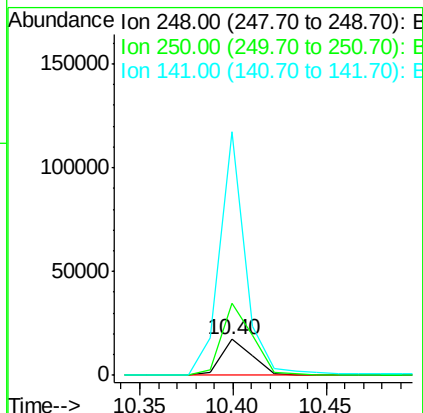
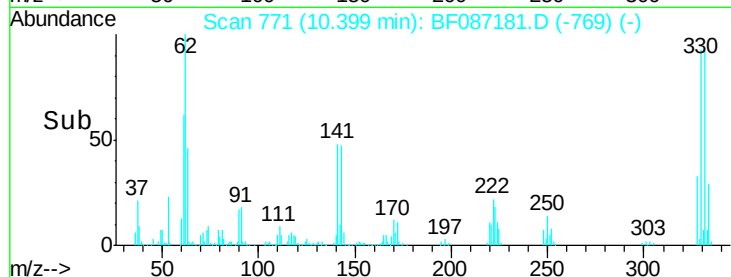
141 678.1 76.0 114.0#



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: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

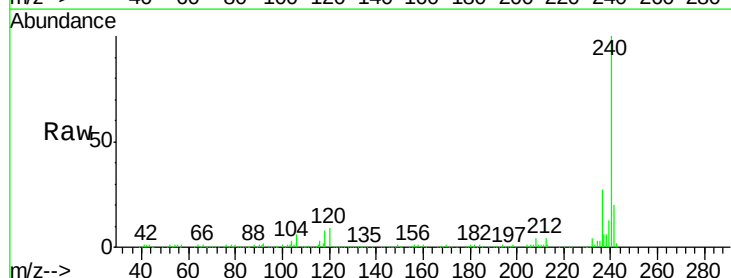
Tgt Ion:240 Resp: 289826

Ion Ratio Lower Upper

240 100

120 9.0 11.2 16.8#

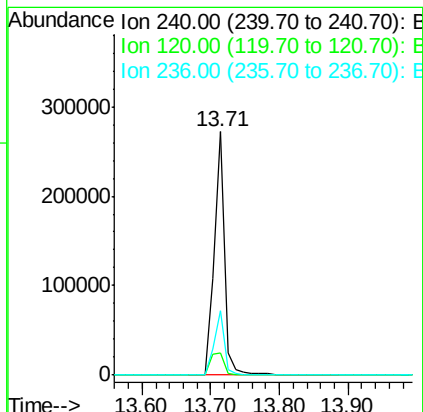
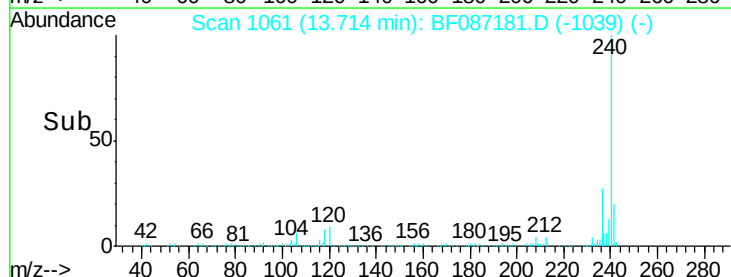
236 26.5 21.2 31.8

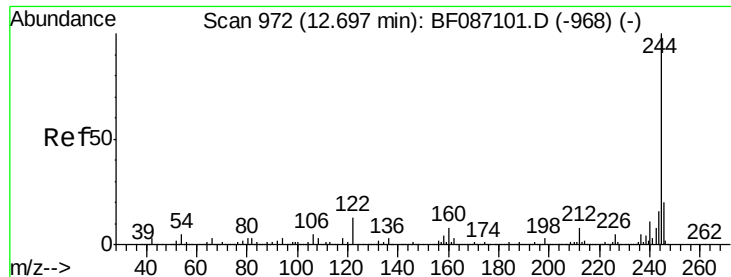


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 76.30 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087181.D

Acq: 19 May 2016 10:07

Instrument :

BNA_F

ClientSampleId :

MW-09

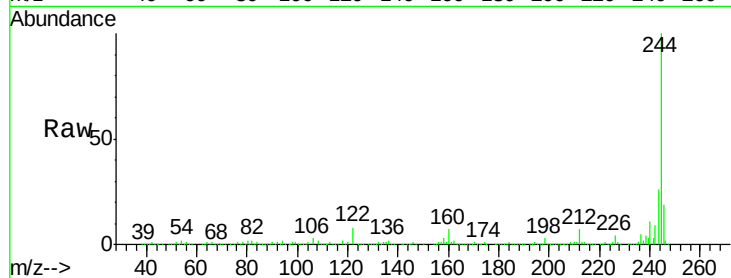
Tot Ion:244 Resp: 977525

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

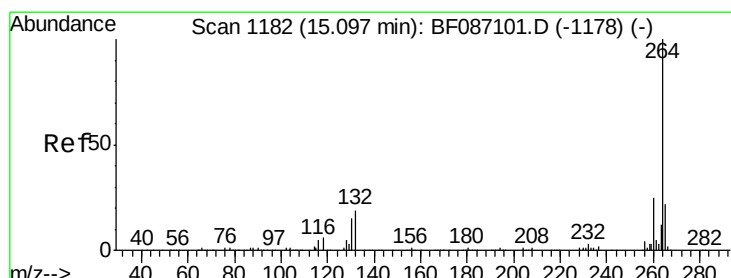
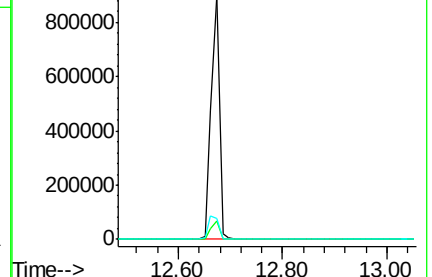
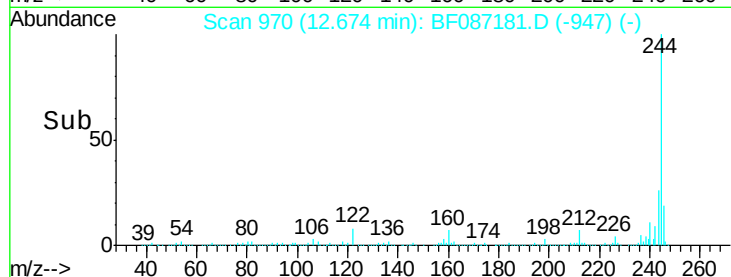
122 8.4 12.0 18.0#



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: BF087181.D

Acq: 19 May 2016 10:07

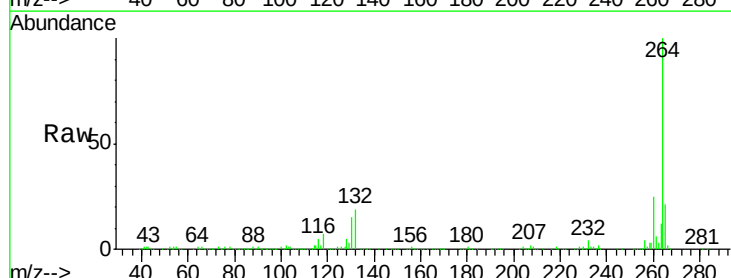
Tgt Ion:264 Resp: 297793

Ion Ratio Lower Upper

264 100

260 24.5 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

