

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081815\
 Data File : BF081054.D
 Acq On : 18 Aug 2015 21:24
 Operator : UM/IZ
 Sample : PB85025BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 00:40:53 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 17:57:25 2015
 Response via : Initial Calibration

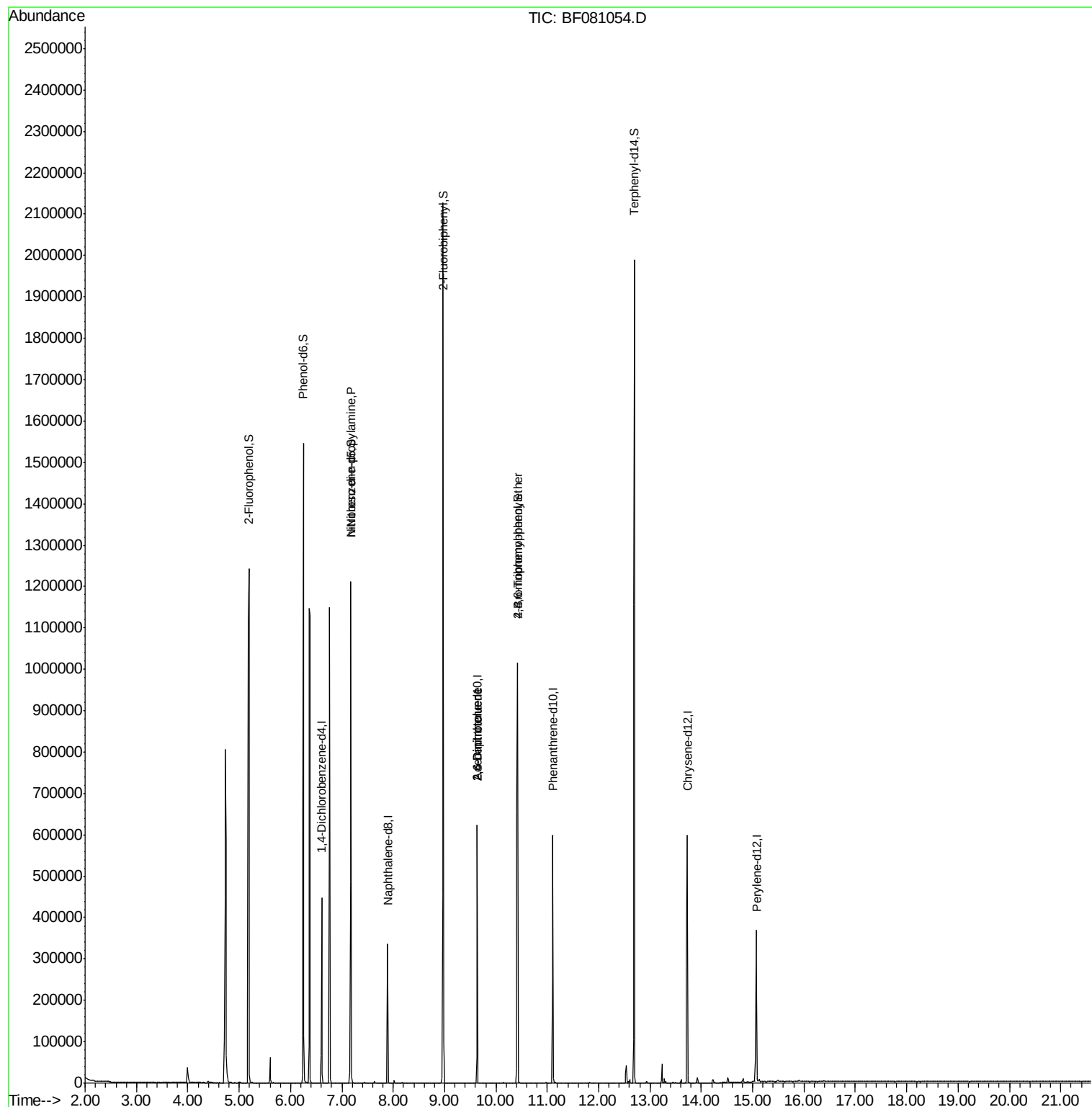
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	58275	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	219006	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	111829	20.00	ng	-0.02
63) Phenanthrene-d10	11.11	188	240391	20.00	ng	-0.02
75) Chrysene-d12	13.73	240	234415	20.00	ng	-0.02
86) Perylene-d12	15.07	264	187966	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	450582	116.30	ng	0.00
7) Phenol-d6	6.25	99	513618	101.60	ng	-0.01
23) Nitrobenzene-d5	7.18	82	399854	83.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.42	330	115815	119.47	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	588525	68.96	ng	-0.02
78) Terphenyl-d14	12.70	244	715684	65.45	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.18	70	54876	15.67	ng	# 67
50) 2,6-Dinitrotoluene	9.63	165	14274	7.22	ng	# 20
56) 2,4-Dinitrotoluene	9.63	165	14274	5.45	ng	# 16
66) 4-Bromophenyl-phenylether	10.42	248	9469	4.01	ng	# 1

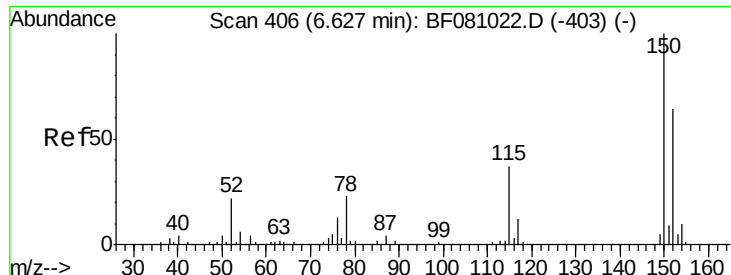
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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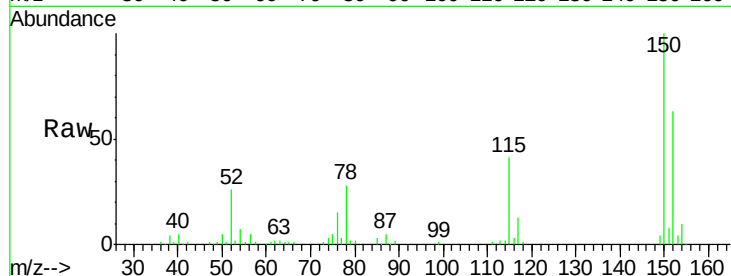


#1

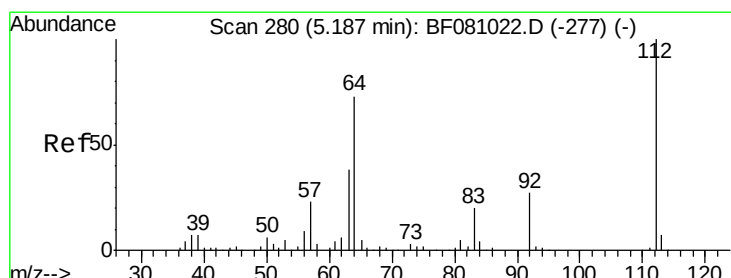
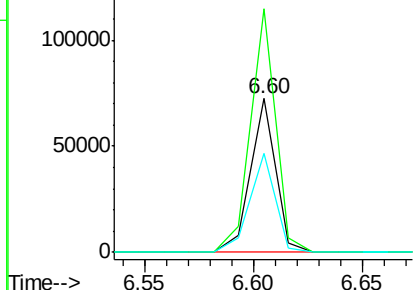
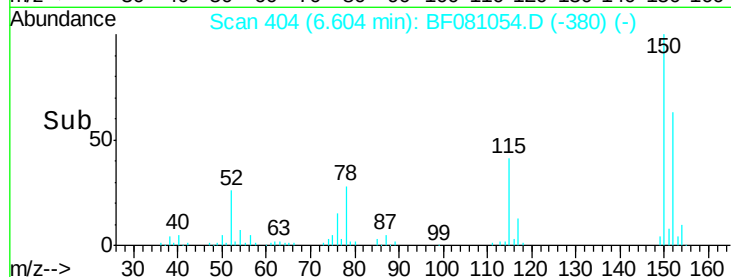
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 58275
Ion Ratio Lower Upper
152 100
150 158.6 123.8 185.6
115 64.3 52.1 78.1



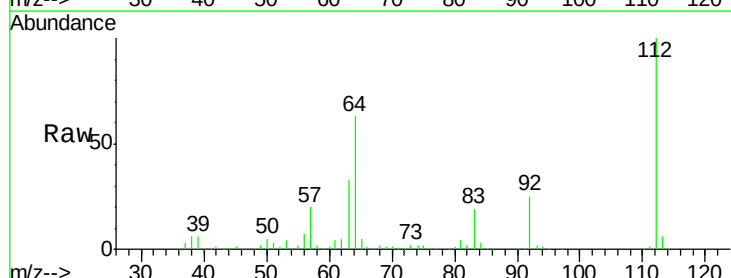
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



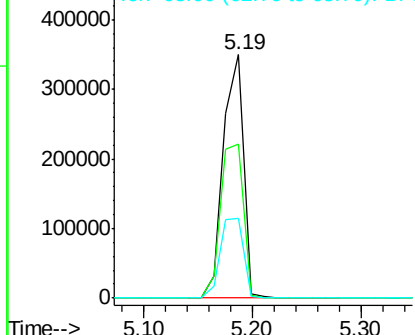
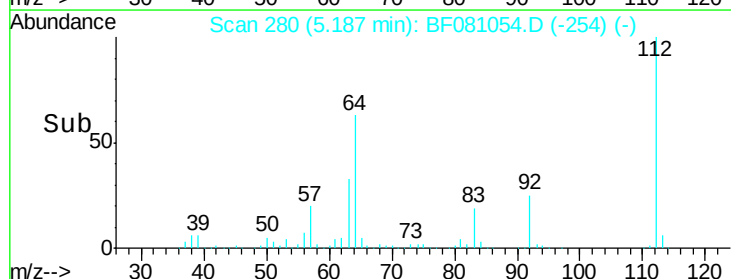
#5

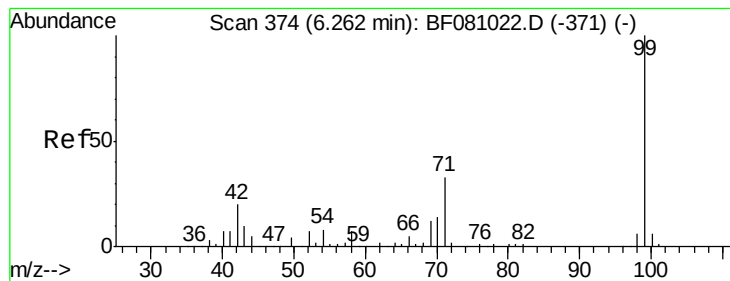
2-Fluorophenol
Concen: 116.30 ng
RT: 5.19 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

Tgt Ion:112 Resp: 450582
Ion Ratio Lower Upper
112 100
64 63.4 66.9 100.3#
63 32.9 38.1 57.1#



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: 101.60 ng

RT: 6.25 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF081054.D

Acq: 18 Aug 2015 21:24

Instrument :

BNA_F

ClientSampleId :

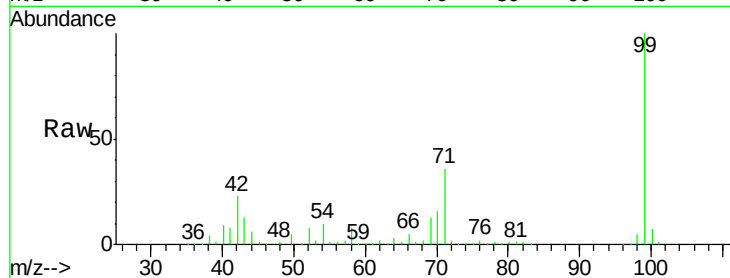
Tot Ion: 99 Resp: 513618

Ion Ratio Lower Upper

99 100

42 23.3 19.6 29.4

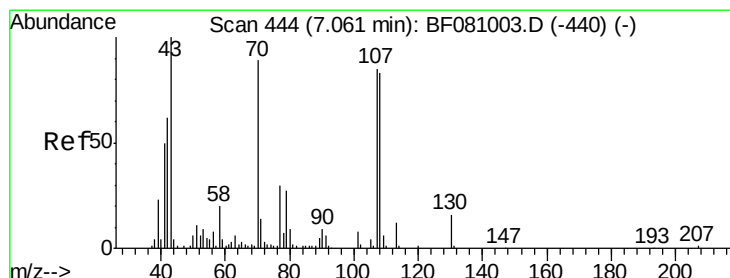
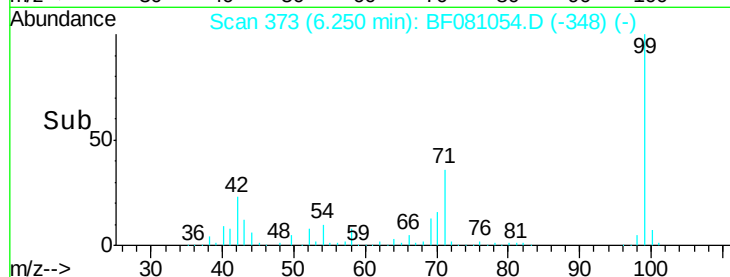
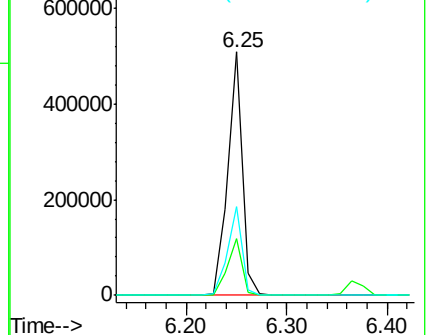
71 36.5 31.2 46.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.67 ng

RT: 7.18 min Scan# 454

Delta R.T. 0.13 min

Lab File: BF081054.D

Acq: 18 Aug 2015 21:24

Tgt Ion: 70 Resp: 54876

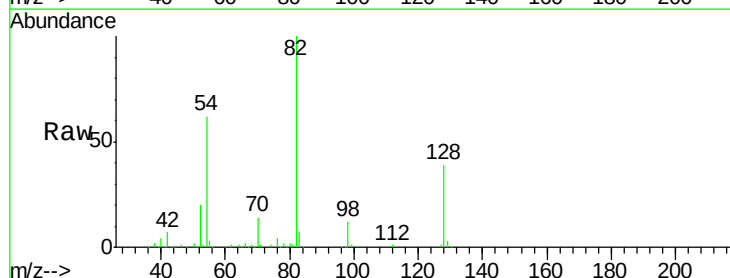
Ion Ratio Lower Upper

70 100

42 51.6 65.0 97.4#

101 0.0 7.4 11.2#

130 1.9 13.0 19.4#

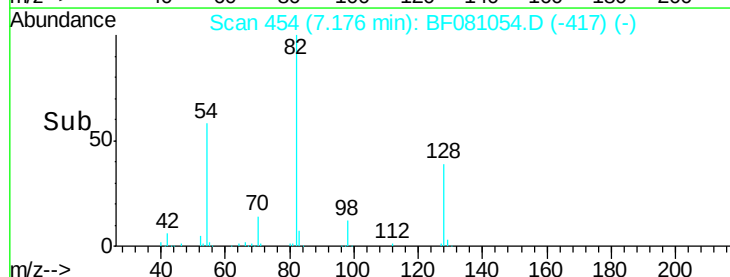
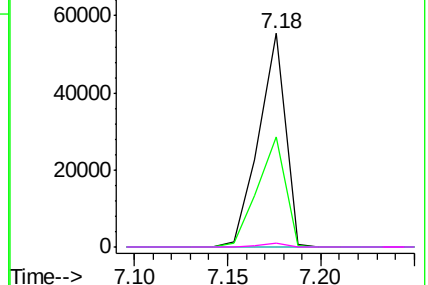


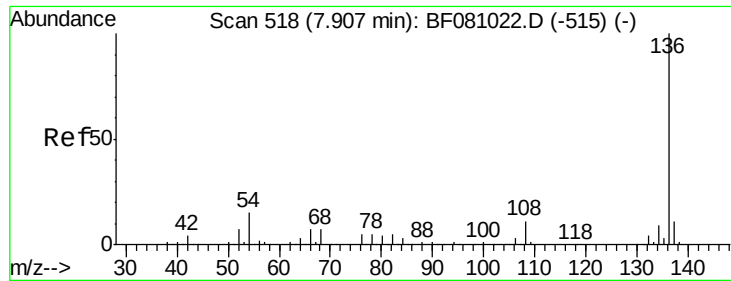
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

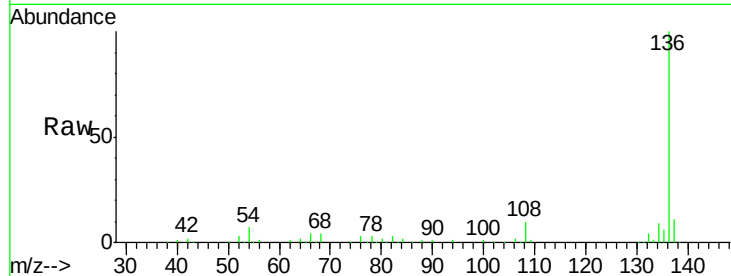




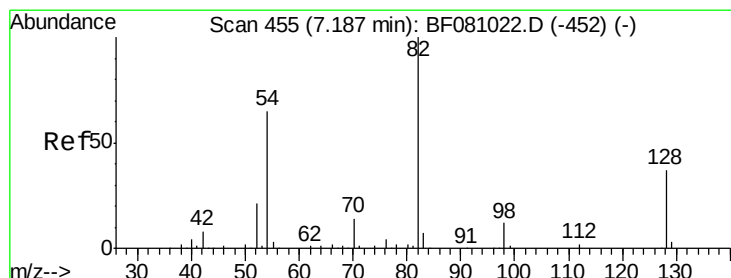
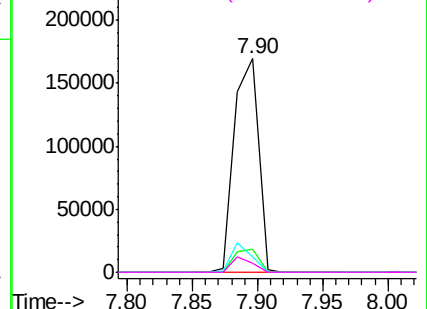
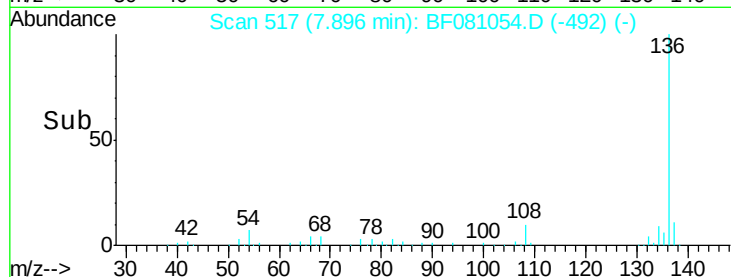
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	219006
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.2
54	7.5	7.7	11.5#
68	4.1	3.4	5.2

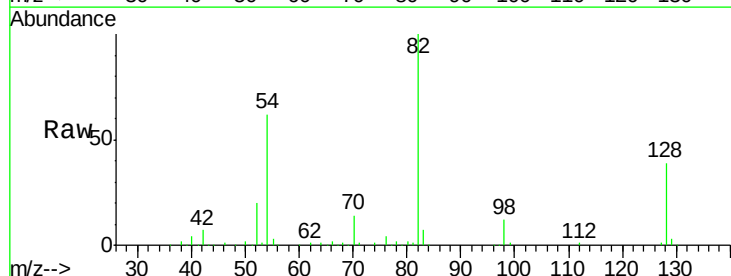


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

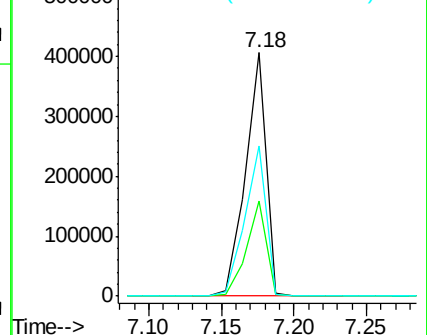
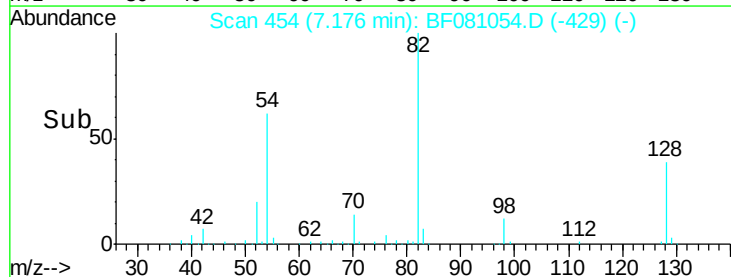


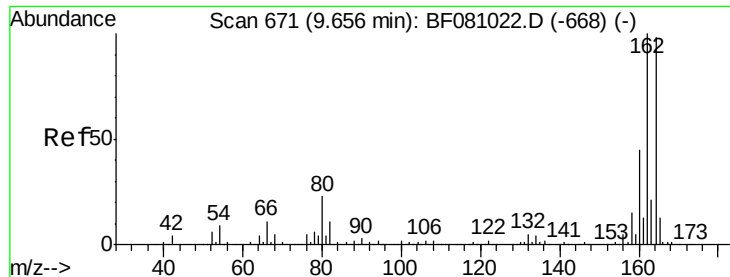
#23
Nitrobenzene-d5
Concen: 83.40 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

Tgt Ion:	82	Resp:	399854
Ion	Ratio	Lower	Upper
82	100		
128	39.3	28.6	42.8
54	61.6	55.1	82.7



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

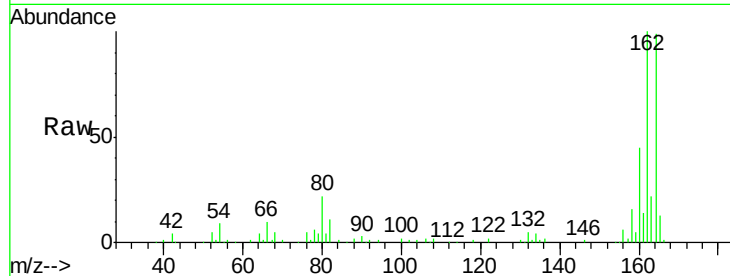




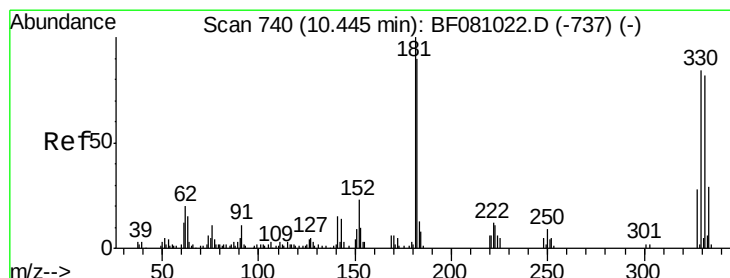
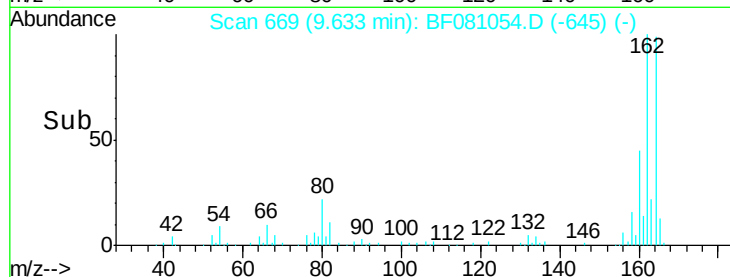
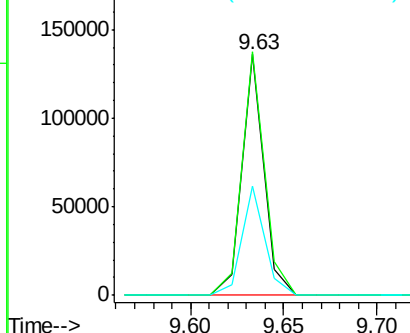
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 111829
Ion Ratio Lower Upper
164 100
162 101.1 83.8 125.8
160 45.4 39.8 59.8

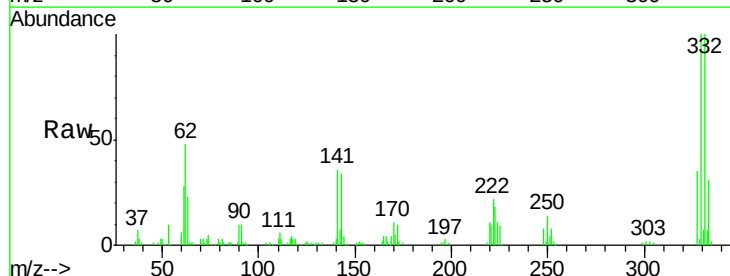


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

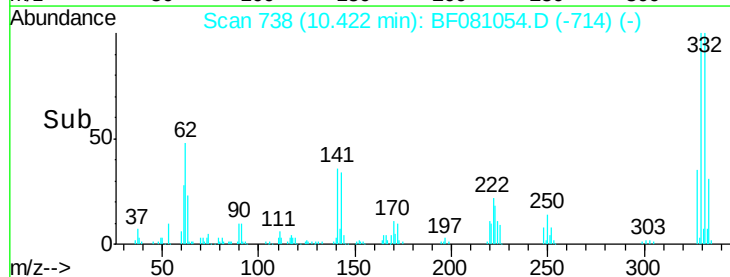
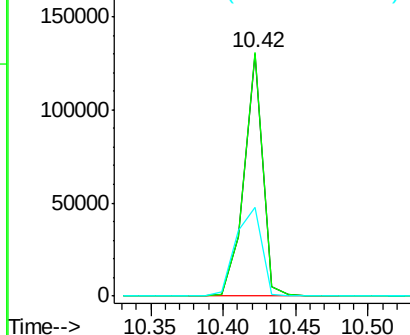


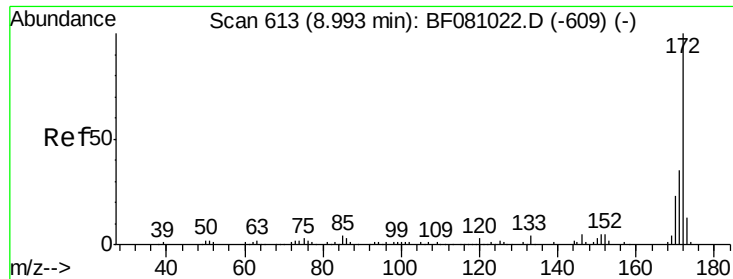
#41
2,4,6-Tribromophenol
Concen: 119.47 ng
RT: 10.42 min Scan# 738
Delta R.T. -0.02 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

Tgt Ion:330 Resp: 115815
Ion Ratio Lower Upper
330 100
332 100.5 77.3 115.9
141 50.7 44.9 67.3



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

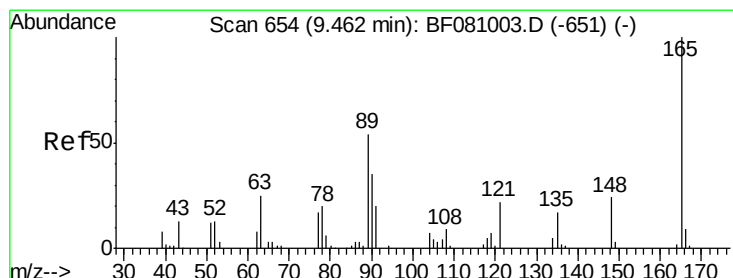
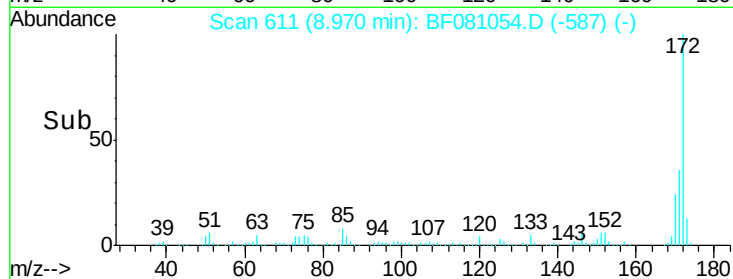
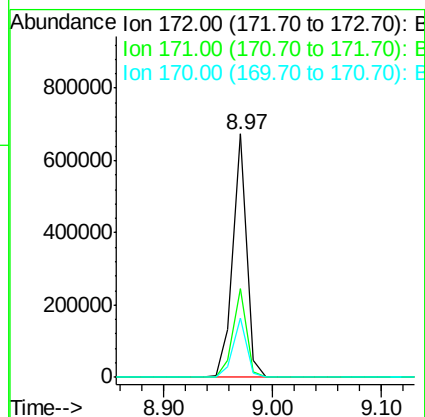
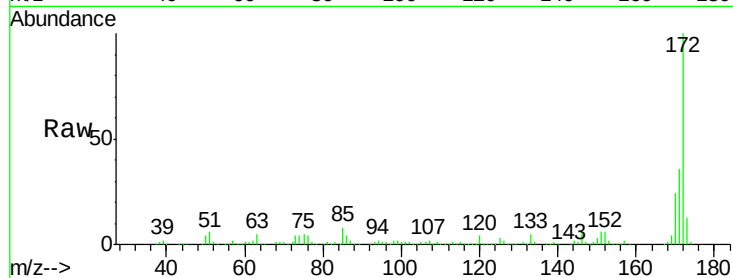




#44
2-Fluorobiphenyl
Concen: 68.96 ng
RT: 8.97 min Scan# 611
Delta R.T. -0.02 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

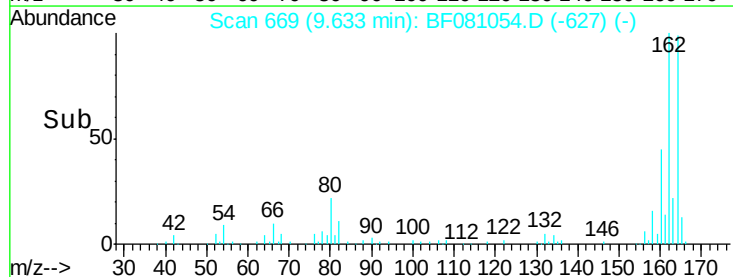
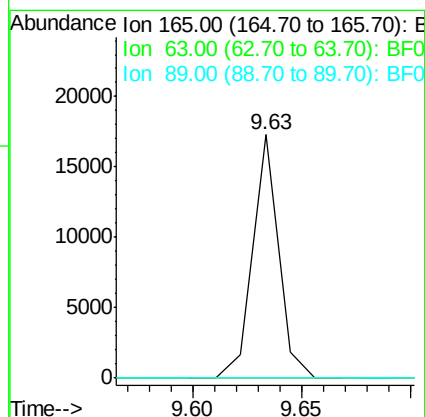
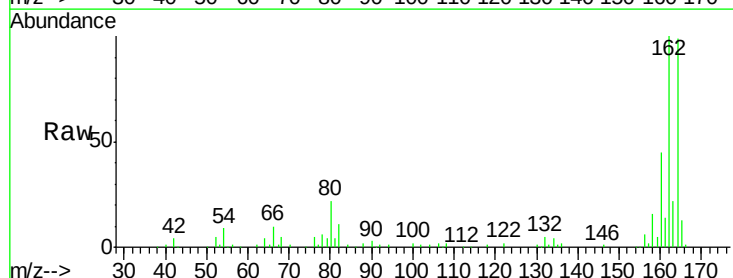
Instrument :
BNA_F
ClientSampleId :

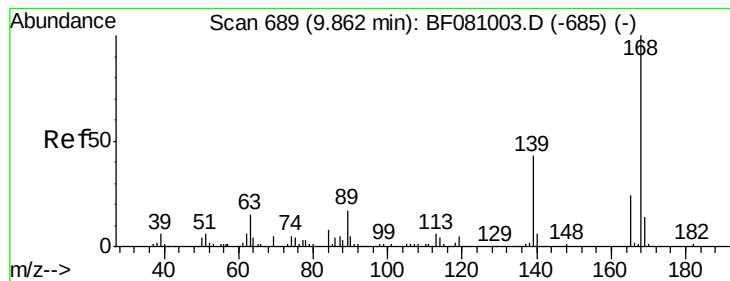
Tot Ion:172 Resp: 588525
Ion Ratio Lower Upper
172 100
171 36.3 28.9 43.3
170 24.4 19.4 29.2



#50
2,6-Dinitrotoluene
Concen: 7.22 ng
RT: 9.63 min Scan# 669
Delta R.T. 0.18 min
Lab File: BF081054.D
Acq: 18 Aug 2015 21:24

Tgt Ion:165 Resp: 14274
Ion Ratio Lower Upper
165 100
63 0.0 49.5 74.3#
89 0.0 47.6 71.4#

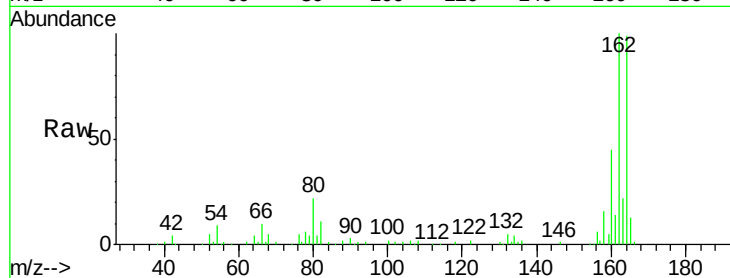




#56
 2,4-Dinitrotoluene
 Concen: 5.45 ng
 RT: 9.63 min Scan# 669
 Delta R.T. -0.22 min
 Lab File: BF081054.D
 Acq: 18 Aug 2015 21:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.2	78.4#
89	0.0	60.1	90.1#
182	0.0	1.8	2.6#

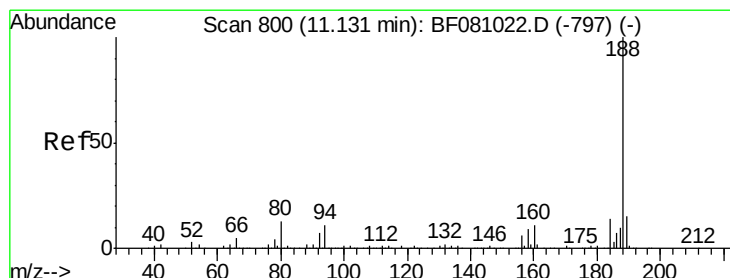
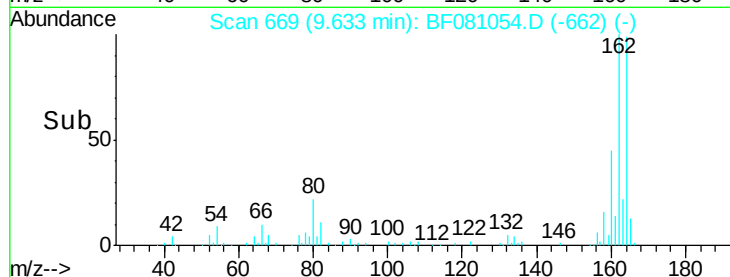
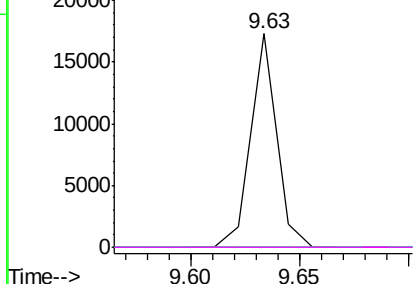


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

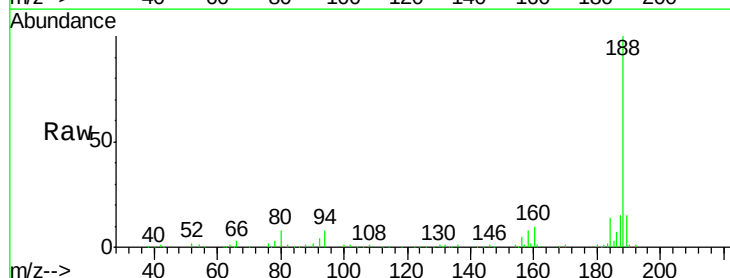
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF081054.D
 Acq: 18 Aug 2015 21:24

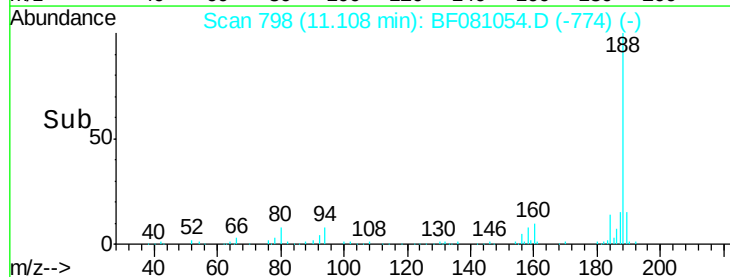
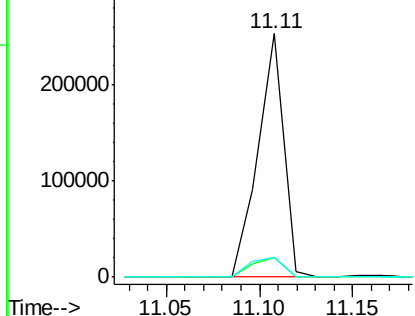
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.2	12.2#
80	8.1	9.5	14.3#

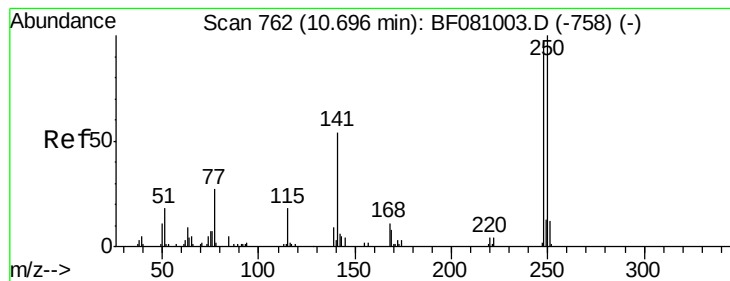


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.01 ng

RT: 10.42 min Scan# 738

Delta R.T. -0.26 min

Lab File: BF081054.D

Acq: 18 Aug 2015 21:24

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BNA_F

ClientSampleId :

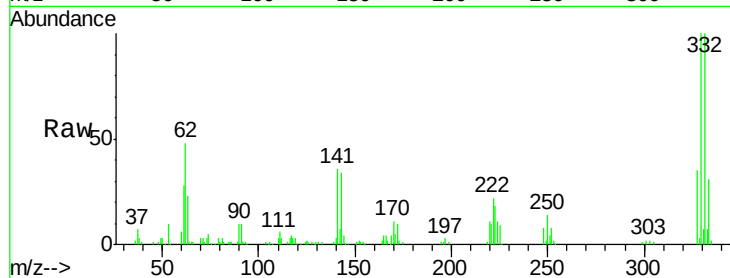
Tot Ion:248 Resp: 9469

Ion Ratio Lower Upper

248 100

250 190.2 77.8 116.6#

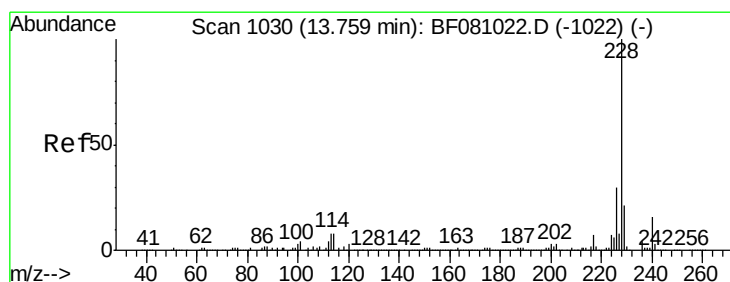
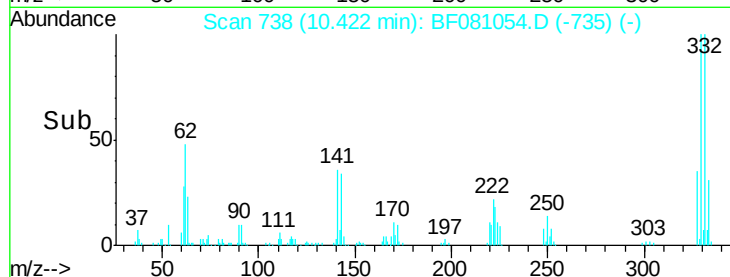
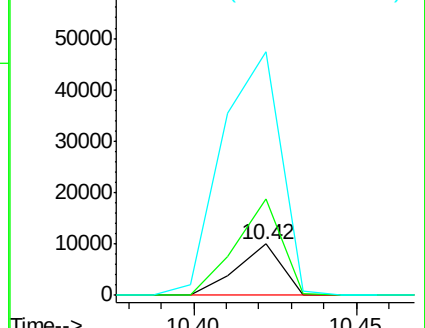
141 477.3 39.8 59.6#



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: 13.73 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF081054.D

Acq: 18 Aug 2015 21:24

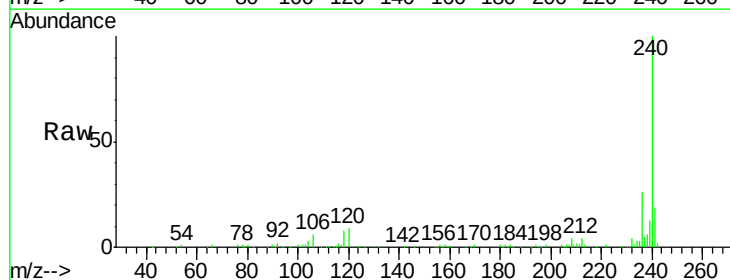
Tgt Ion:240 Resp: 234415

Ion Ratio Lower Upper

240 100

120 8.7 5.6 8.4#

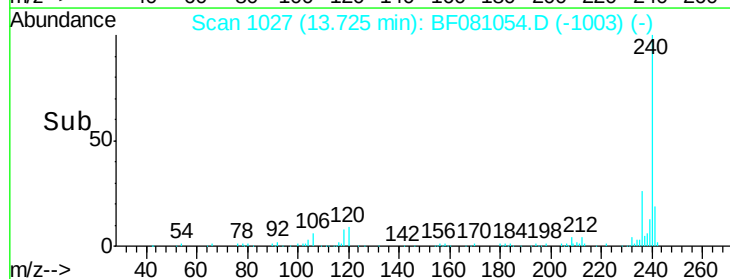
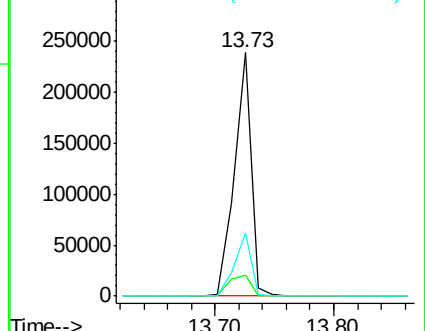
236 26.1 20.6 30.8

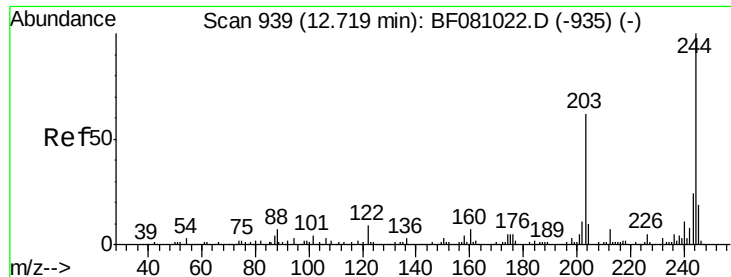


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

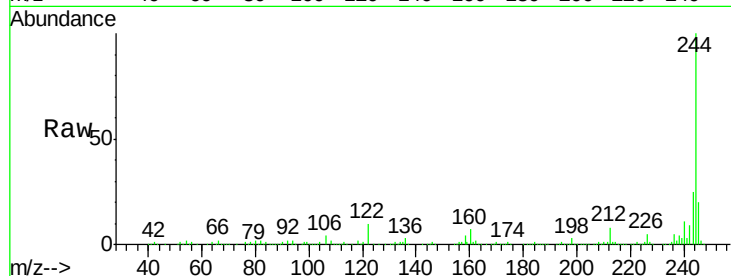




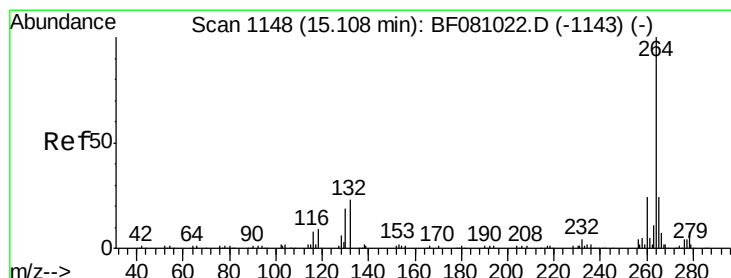
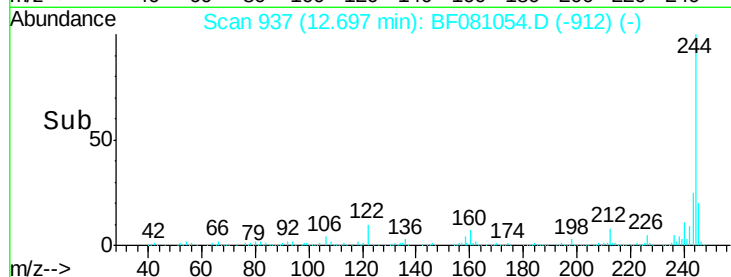
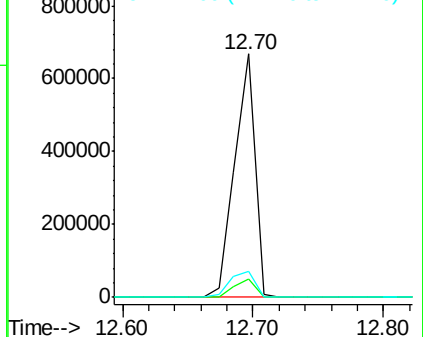
#78
 Terphenyl-d14
 Concen: 65.45 ng
 RT: 12.70 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: BF081054.D
 Acq: 18 Aug 2015 21:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 715684
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.8
 122 10.5 8.2 12.4

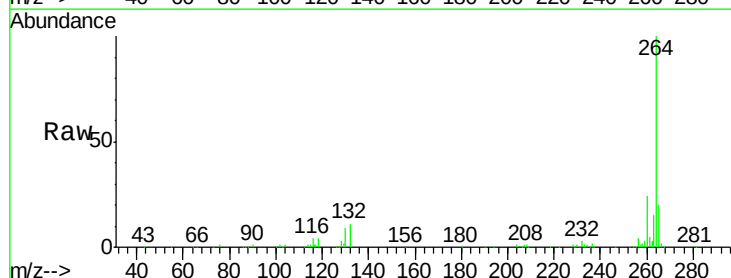


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.07 min Scan# 1145
 Delta R.T. -0.02 min
 Lab File: BF081054.D
 Acq: 18 Aug 2015 21:24

Tgt Ion:264 Resp: 187966
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.6 29.4
 265 20.3 17.5 26.3



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

