

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043016\
 Data File : BF086557.D
 Acq On : 1 May 2016 8:04
 Operator : UM/SJ
 Sample : H2737-08
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-26-16

Quant Time: May 02 00:48:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

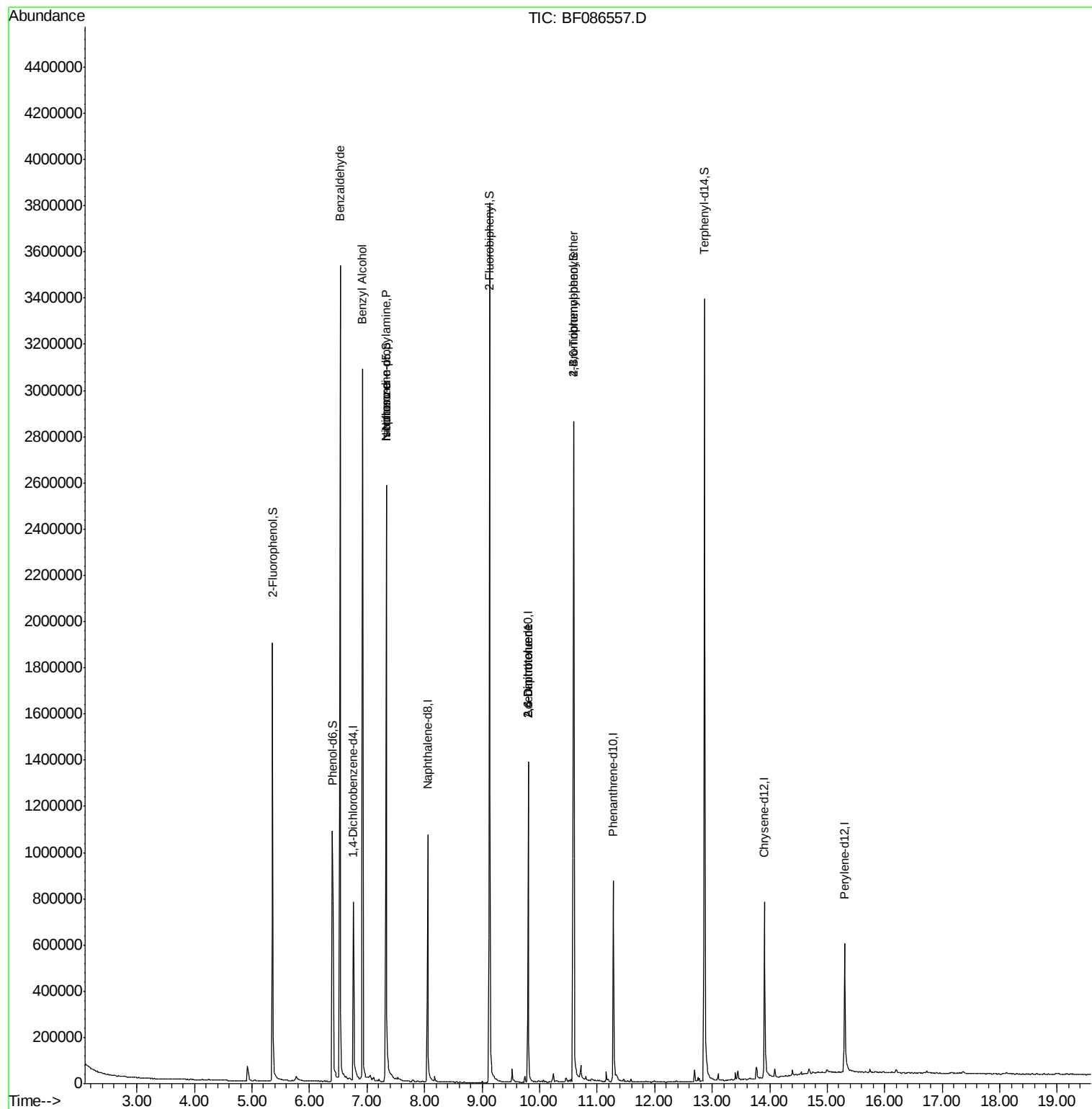
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	127278	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	557327	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	274495	20.00	ng	-0.05
63) Phenanthrene-d10	11.28	188	505840	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	378702	20.00	ng	-0.06
86) Perylene-d12	15.30	264	319898	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	530830	71.94	ng	-0.03
7) Phenol-d6	6.40	99	520615	50.55	ng	-0.05
23) Nitrobenzene-d5	7.33	82	922771	89.24	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	350860	121.21	ng	-0.05
44) 2-Fluorobiphenyl	9.13	172	1369548	87.98	ng	-0.05
78) Terphenyl-d14	12.87	244	1468285	85.42	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.53	77	23784	3.97	ng	# 77
15) Benzyl Alcohol	6.92	79	15277	2.34	ng	# 41
19) n-Nitroso-di-n-propylamine	7.33	70	125690	18.46	ng	# 78
25) Isophorone	7.33	82	688630	34.60	ng	# 68
50) 2,6-Dinitrotoluene	9.80	165	33240	7.79	ng	# 20
56) 2,4-Dinitrotoluene	9.80	165	33532	6.16	ng	# 16
66) 4-Bromophenyl-phenylether	10.59	248	22029	4.23	ng	# 1

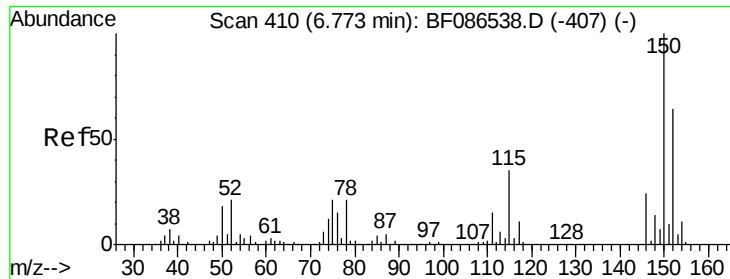
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

HW-12-4-26-16

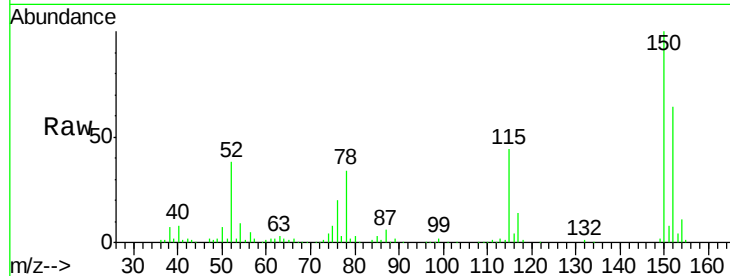
Tgt Ion:152 Resp: 127278

Ion Ratio Lower Upper

152 100

150 156.6 125.8 188.6

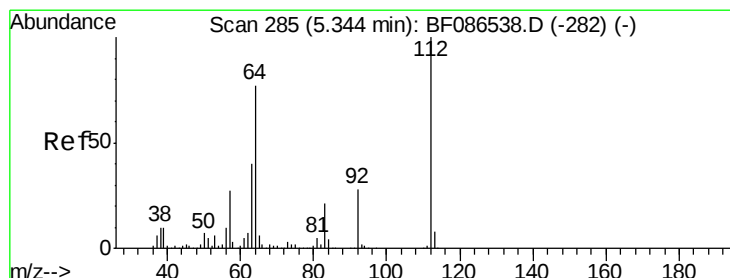
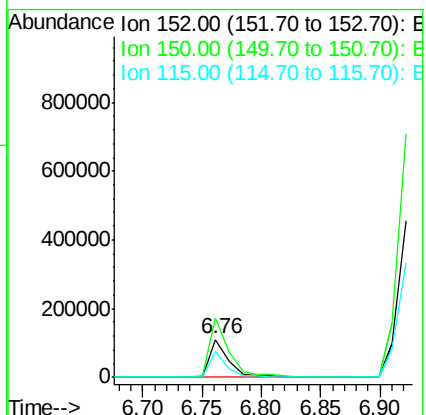
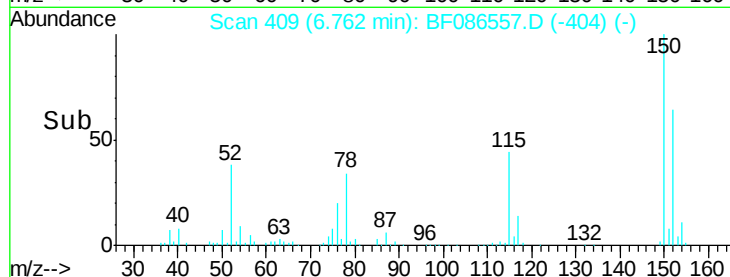
115 68.6 51.5 77.3



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: 71.94 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.03 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

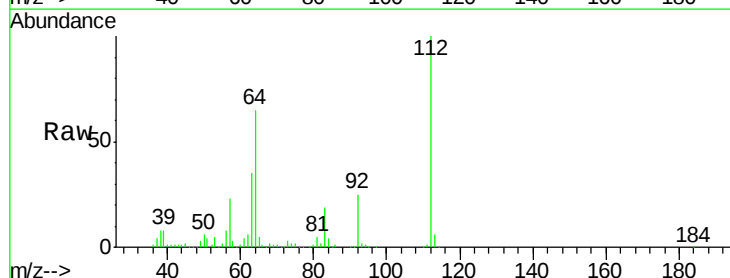
Tgt Ion:112 Resp: 530830

Ion Ratio Lower Upper

112 100

64 65.1 52.1 78.1

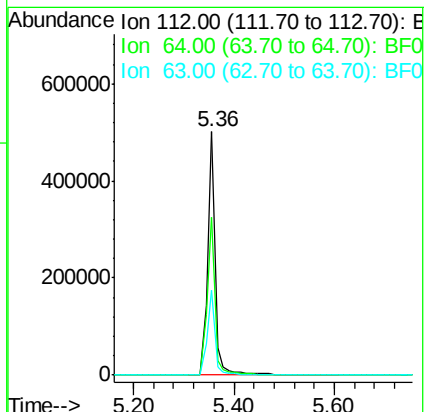
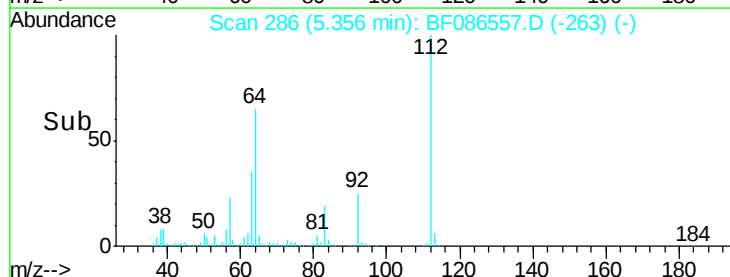
63 34.8 25.7 38.5

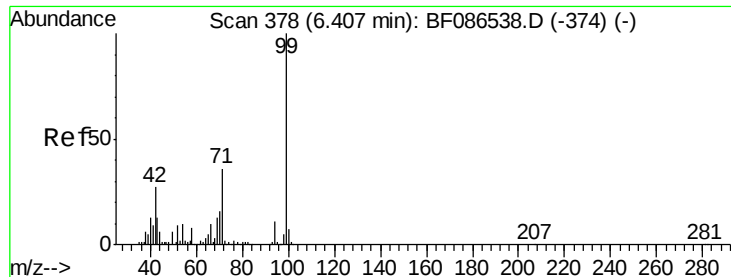


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.55 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

HW-12-4-26-16

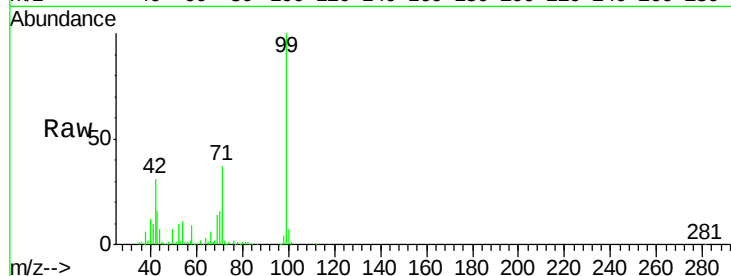
Tgt Ion: 99 Resp: 520615

Ion Ratio Lower Upper

99 100

42 30.5 13.6 20.4#

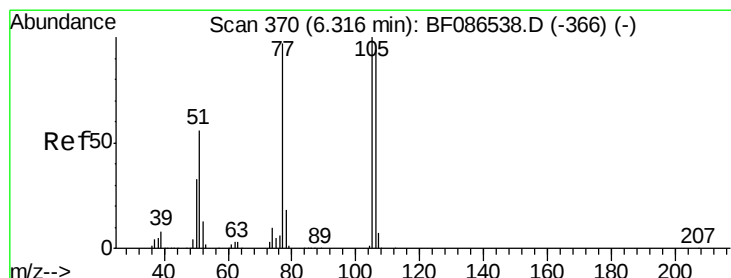
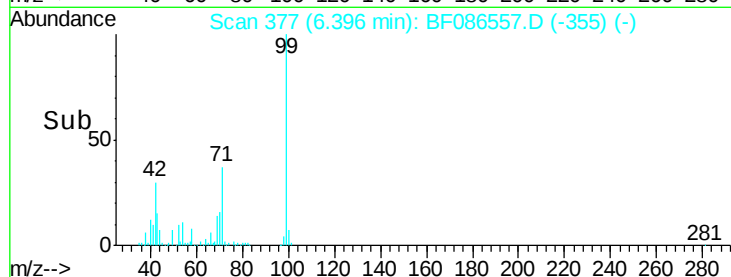
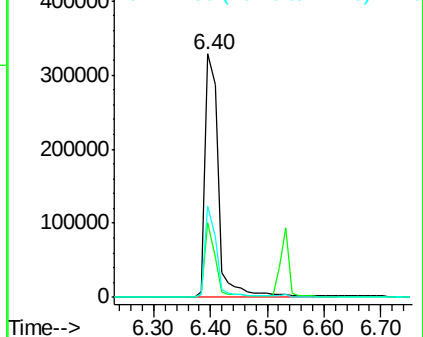
71 37.3 24.6 36.8#



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: 3.97 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.18 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

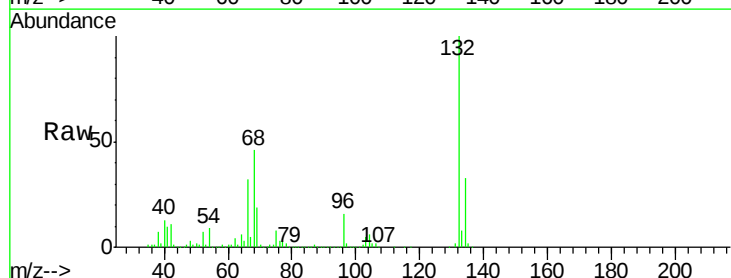
Tgt Ion: 77 Resp: 23784

Ion Ratio Lower Upper

77 100

105 74.7 72.7 112.7

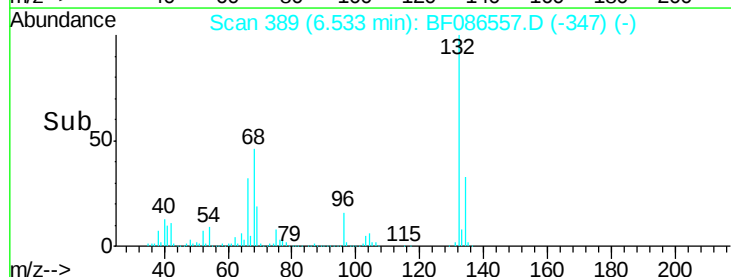
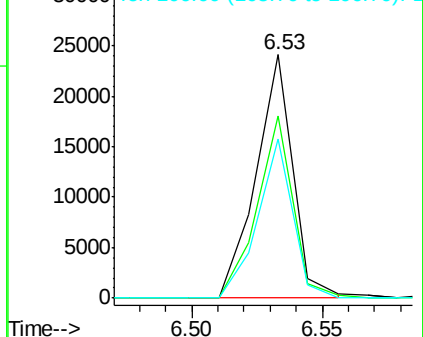
106 65.4 70.8 110.8#

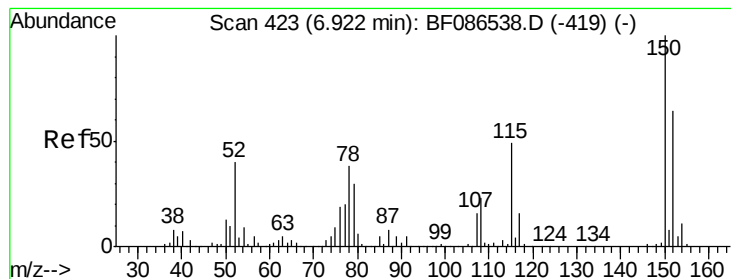


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.03 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

HW-12-4-26-16

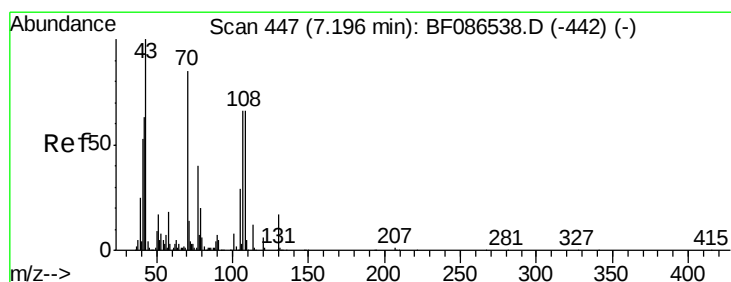
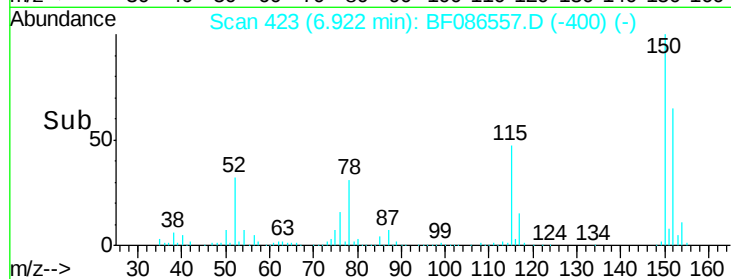
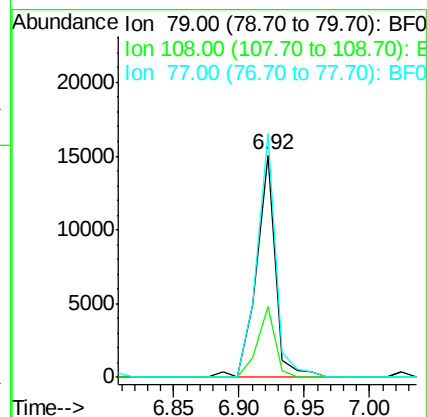
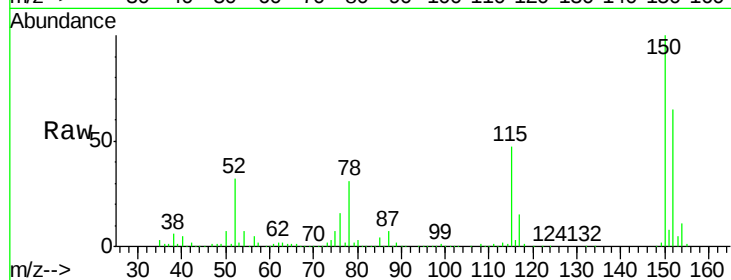
Tgt Ion: 79 Resp: 15277

Ion Ratio Lower Upper

79 100

108 32.0 68.4 102.6#

77 109.6 50.6 76.0#



#19

n-Nitroso-di-n-propylamine

Concen: 18.46 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.10 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

Tgt Ion: 70 Resp: 125690

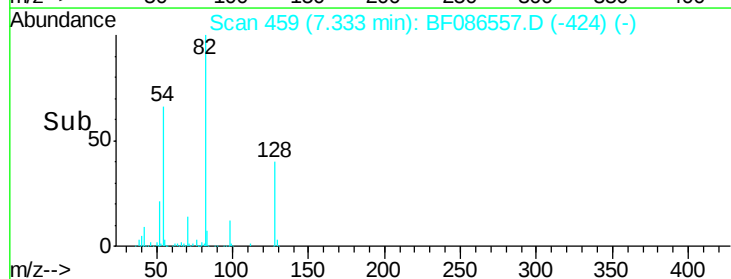
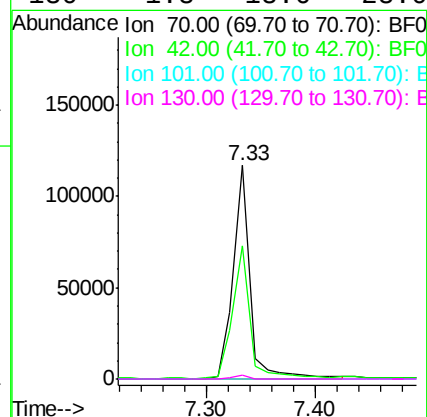
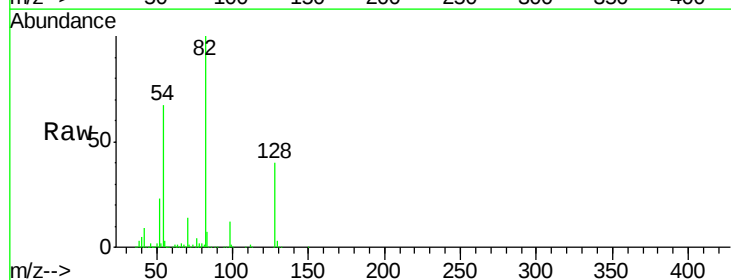
Ion Ratio Lower Upper

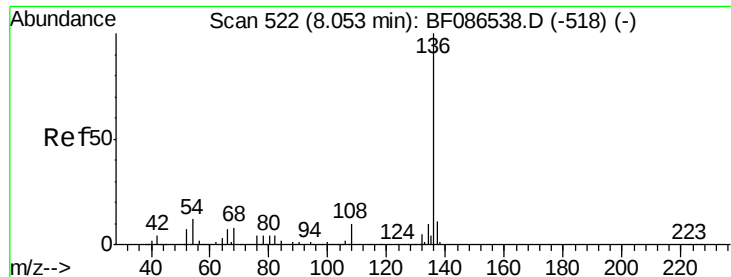
70 100

42 62.3 43.1 64.7

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

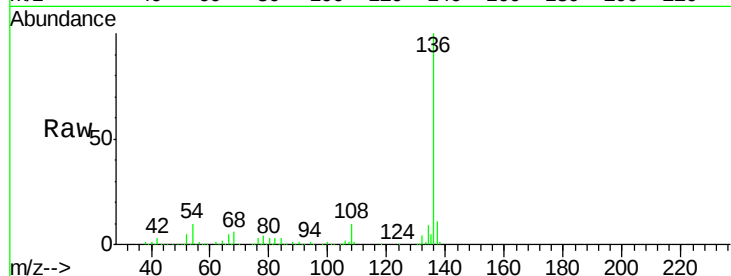




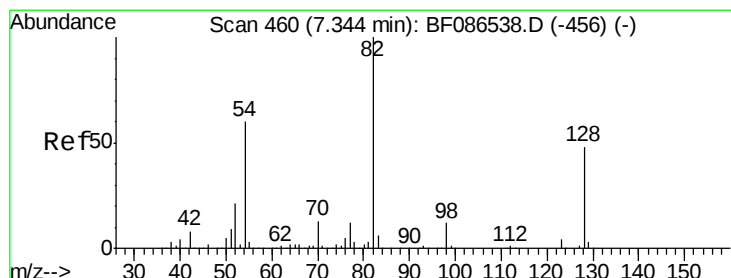
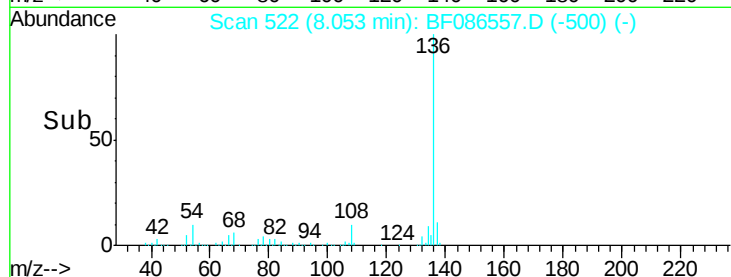
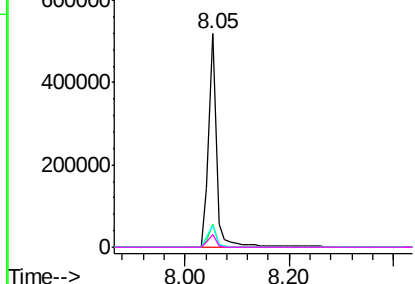
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.05 min
Lab File: BF086557.D
Acq: 1 May 2016 8:04

Instrument :
BNA_F
ClientSampleId :
HW-12-4-26-16

Tgt Ion:	136	Resp:	557327
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.0	5.0	7.4#
68	6.1	4.4	6.6

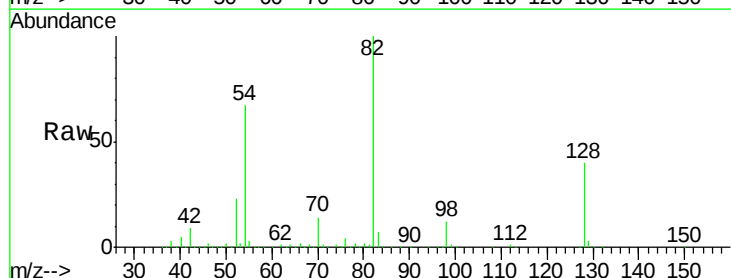


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
Ion 68.00 (67.70 to 68.70): BF0
200000
0

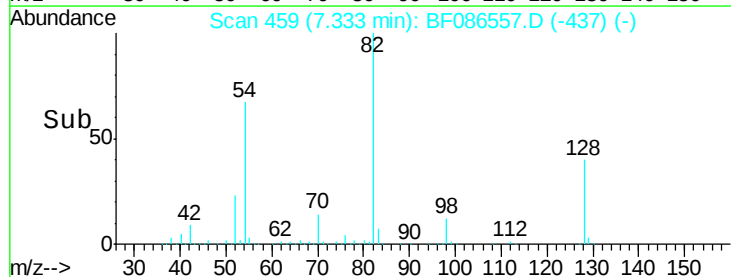
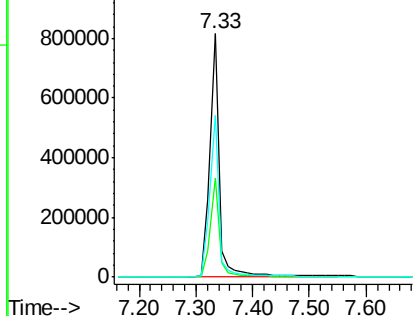


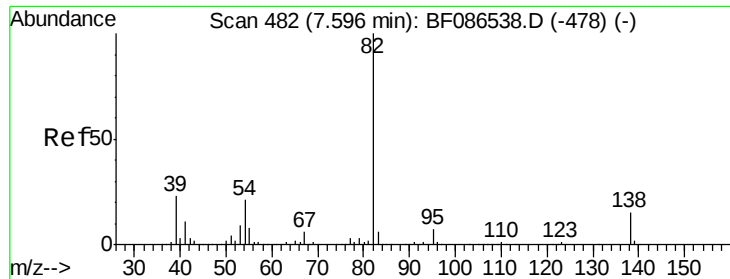
#23
Nitrobenzene-d5
Concen: 89.24 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.05 min
Lab File: BF086557.D
Acq: 1 May 2016 8:04

Tgt Ion:	82	Resp:	922771
Ion	Ratio	Lower	Upper
82	100		
128	40.4	40.6	61.0#
54	66.6	38.1	57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
1000000
Ion 128.00 (127.70 to 128.70): E
800000
Ion 54.00 (53.70 to 54.70): BF0
600000
400000
200000
0





#25

Isophorone

Concen: 34.60 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.31 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

HW-12-4-26-16

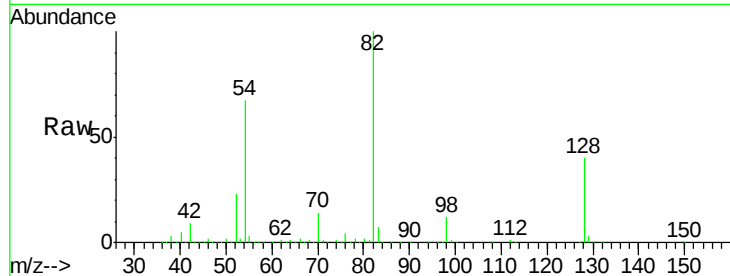
Tgt Ion: 82 Resp: 688630

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

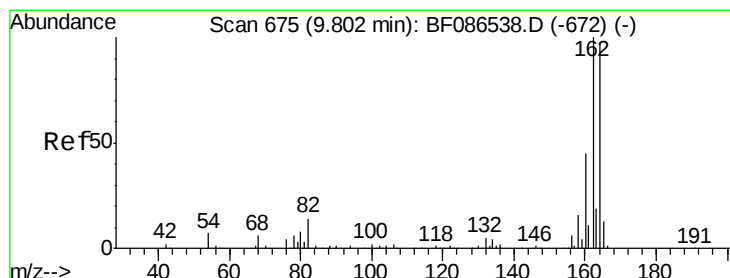
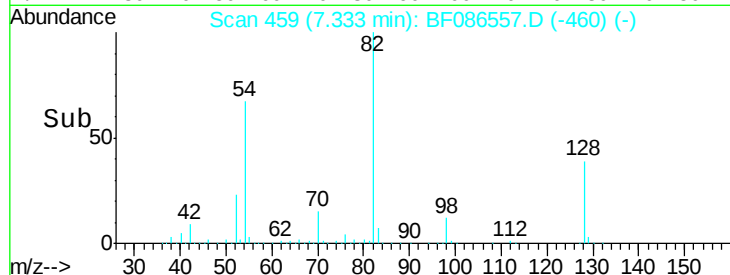
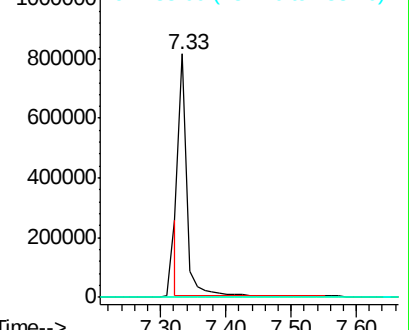
138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

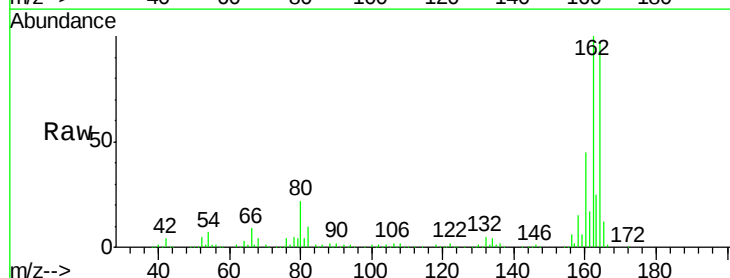
Tgt Ion: 164 Resp: 274495

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

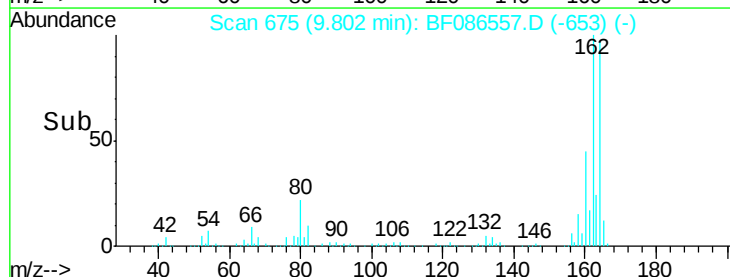
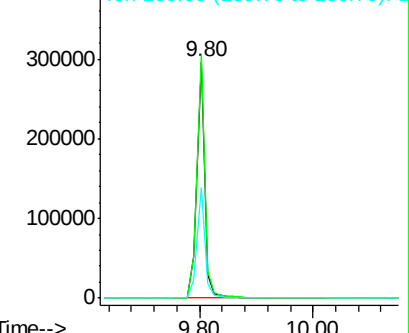
160 46.6 36.9 55.3

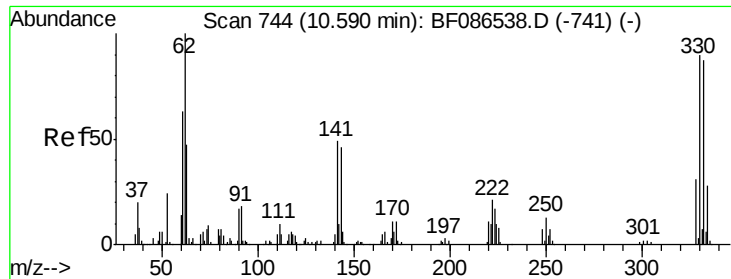


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

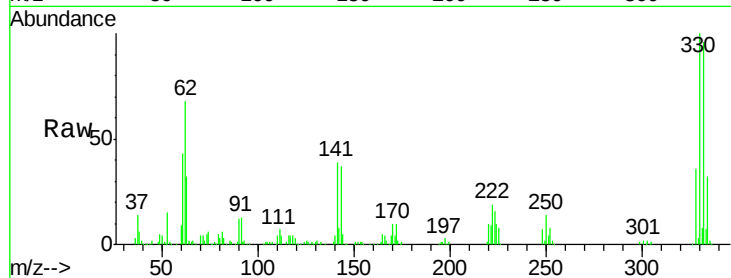




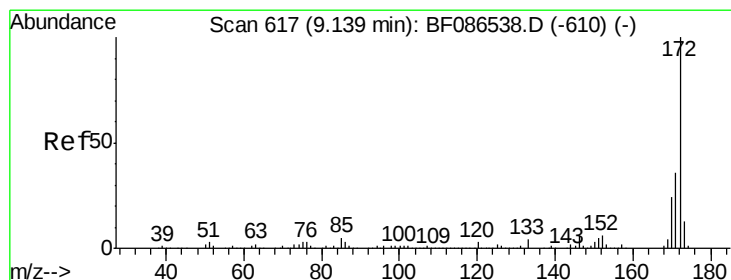
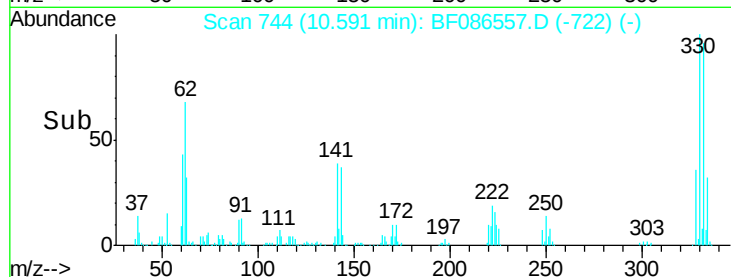
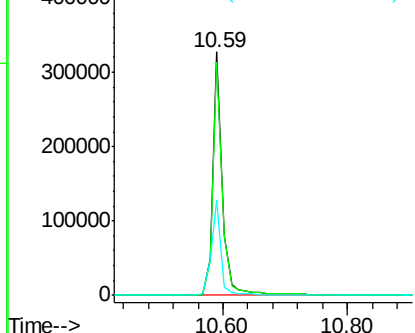
#41
 2,4,6-Tribromophenol
 Concen: 121.21 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.05 min
 Lab File: BF086557.D
 Acq: 1 May 2016 8:04

Instrument :
 BNA_F
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 HW-12-4-26-16

Tgt Ion:330 Resp: 350860
 Ion Ratio Lower Upper
 330 100
 332 96.0 79.0 118.4
 141 39.1 31.2 46.8

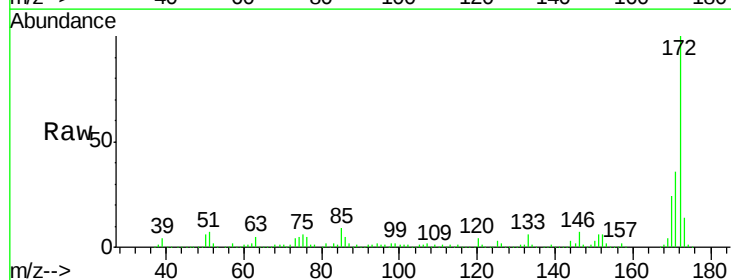


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

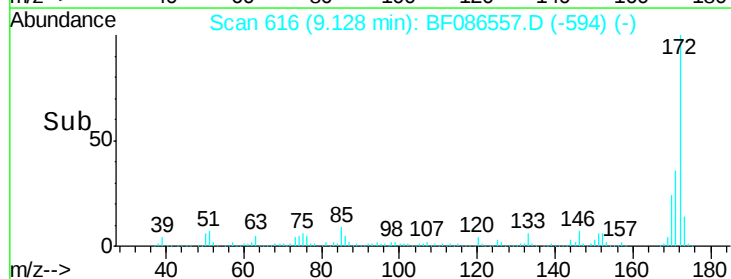
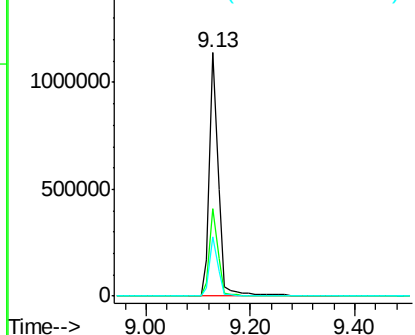


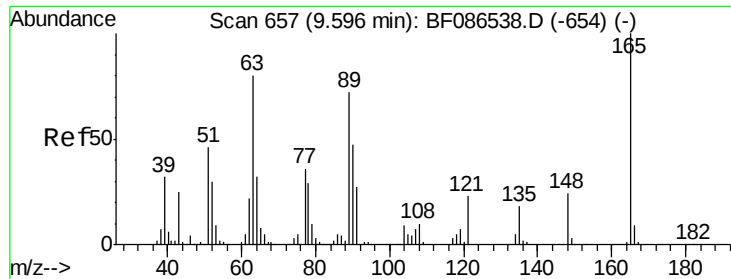
#44
 2-Fluorobiphenyl
 Concen: 87.98 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: BF086557.D
 Acq: 1 May 2016 8:04

Tgt Ion:172 Resp: 1369548
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.5 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

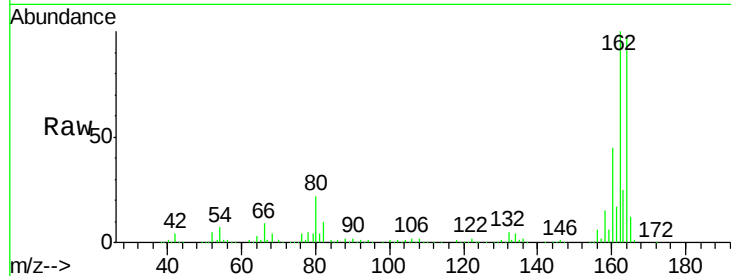




#50
 2,6-Dinitrotoluene
 Concen: 7.79 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.16 min
 Lab File: BF086557.D
 Acq: 1 May 2016 8:04

Instrument :
 BNA_F
 ClientSampleId :
 HW-12-4-26-16

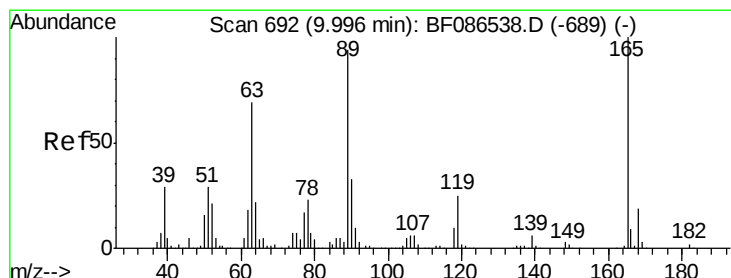
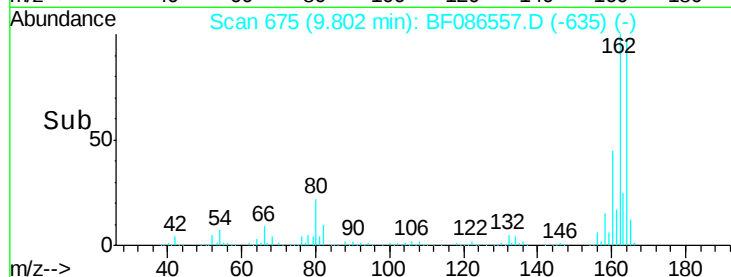
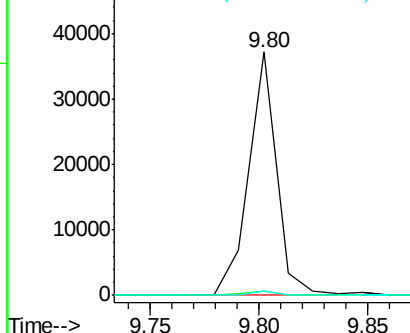
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	51.8	77.8#
89	1.6	50.7	76.1#



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: 6.16 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.24 min
 Lab File: BF086557.D
 Acq: 1 May 2016 8:04

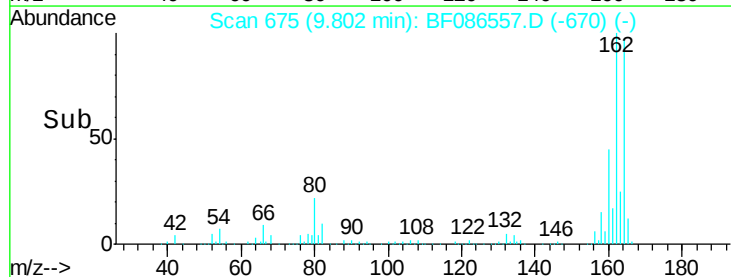
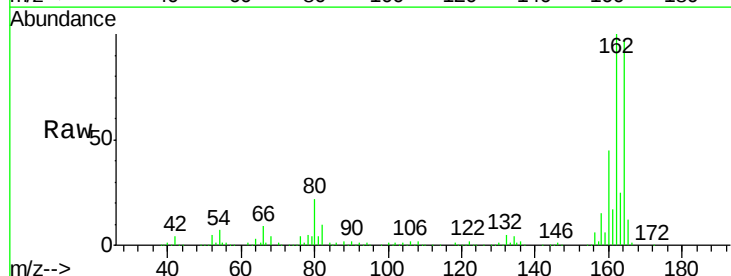
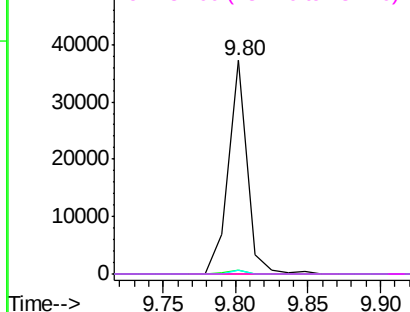
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.3	66.5#
89	1.6	70.0	105.0#
182	0.0	1.8	2.6#

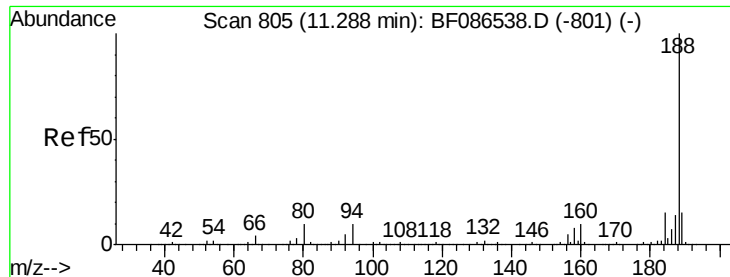
Abundance Ion 165.00 (164.70 to 165.70): E

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

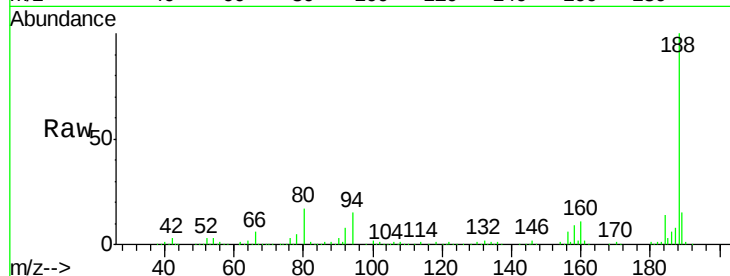




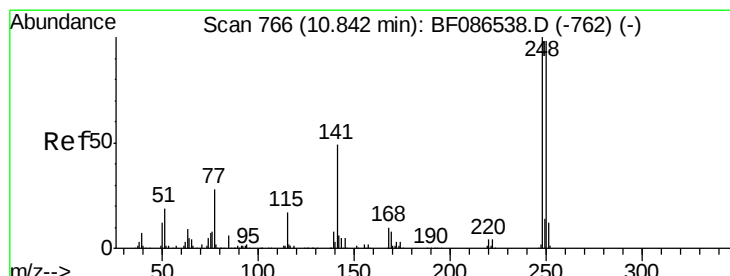
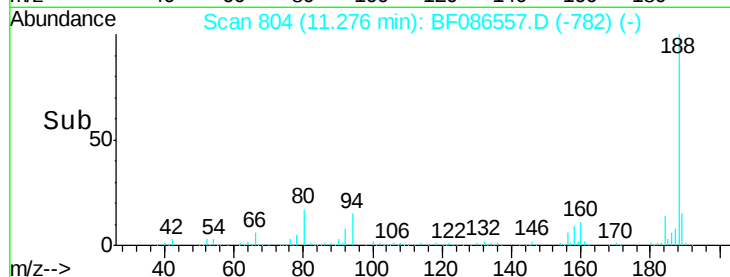
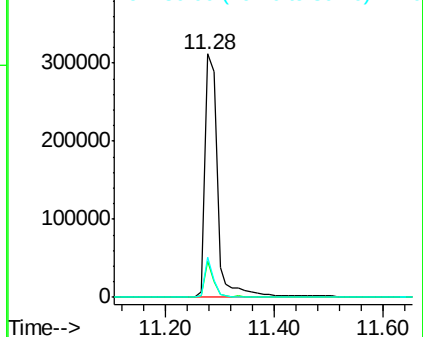
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF086557.D
Acq: 1 May 2016 8:04

Instrument :
BNA_F
ClientSampleId :
HW-12-4-26-16

Tgt Ion:188 Resp: 505840
Ion Ratio Lower Upper
188 100
94 15.1 6.8 10.2#
80 16.6 7.1 10.7#

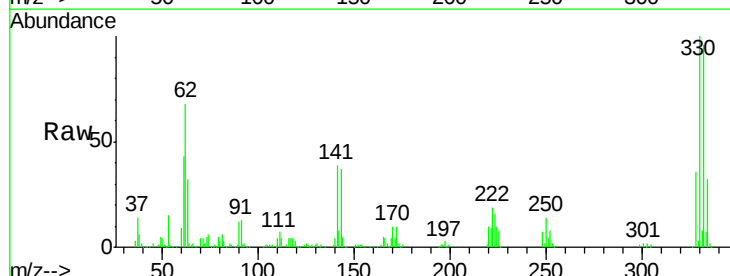


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

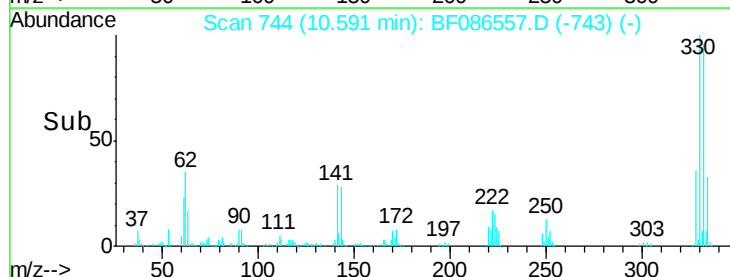
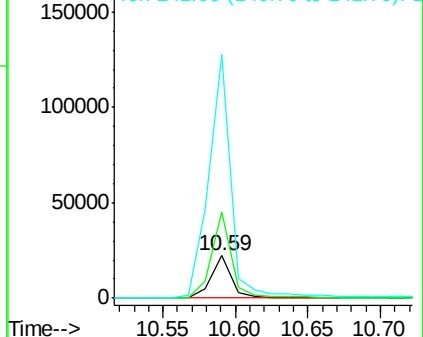


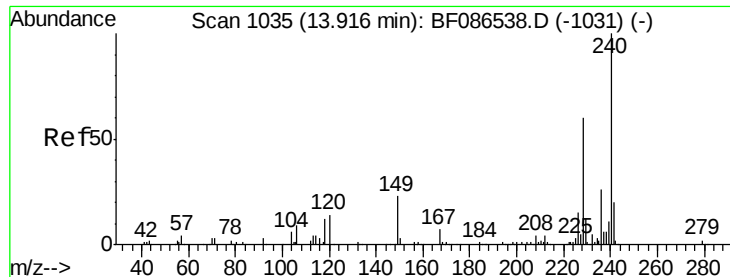
#66
4-Bromophenyl-phenylether
Concen: 4.23 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.29 min
Lab File: BF086557.D
Acq: 1 May 2016 8:04

Tgt Ion:248 Resp: 22029
Ion Ratio Lower Upper
248 100
250 203.6 78.6 117.8#
141 577.5 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: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

Instrument :

BNA_F

ClientSampleId :

HW-12-4-26-16

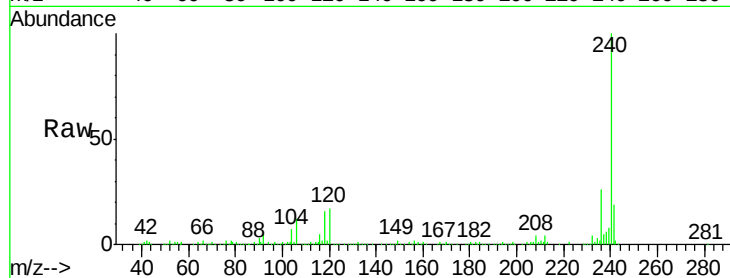
Tgt Ion:240 Resp: 378702

Ion Ratio Lower Upper

240 100

120 17.3 11.2 16.8#

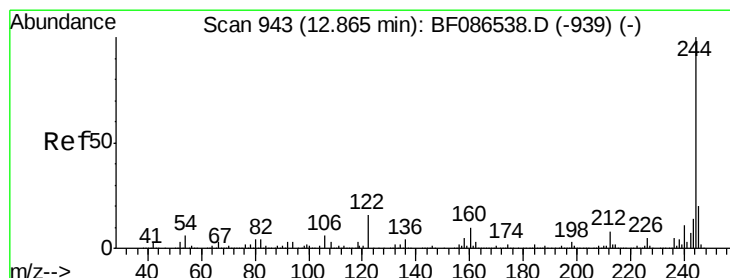
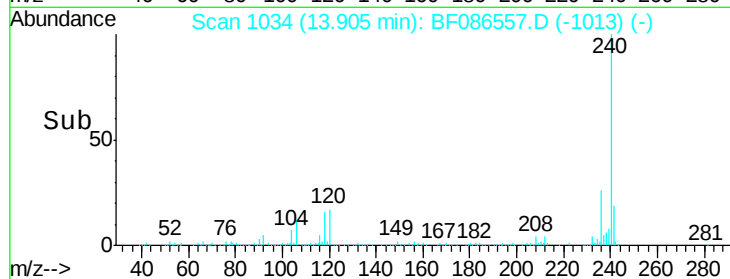
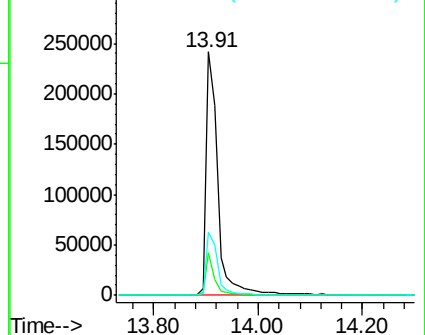
236 26.1 21.2 31.8



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: 85.42 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086557.D

Acq: 1 May 2016 8:04

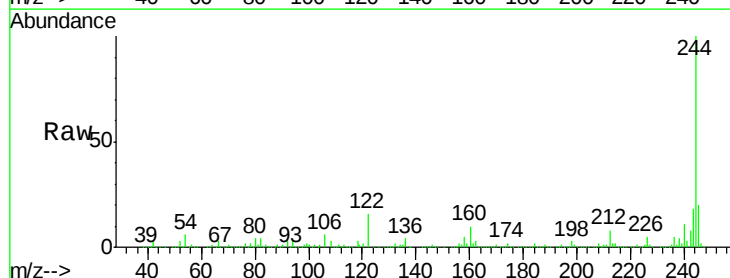
Tgt Ion:244 Resp: 1468285

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

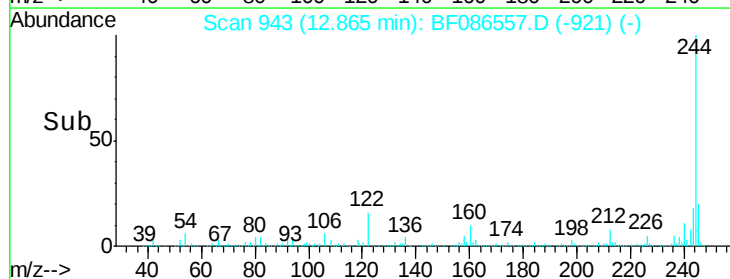
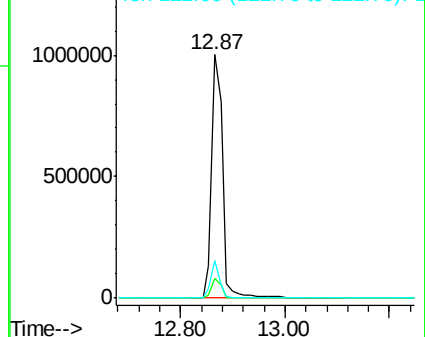
122 15.6 12.0 18.0

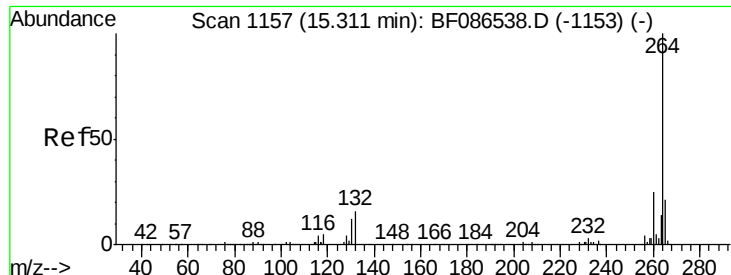


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

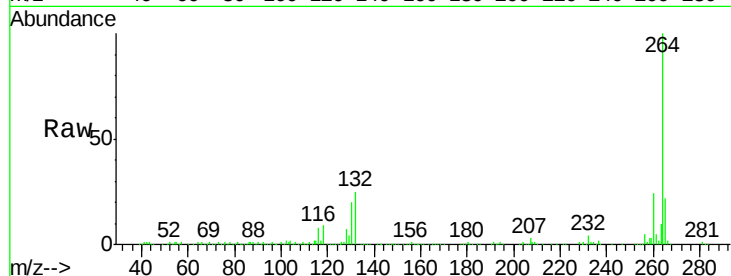




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086557.D
Acq: 1 May 2016 8:04

Instrument :
BNA_F
ClientSampleId :
HW-12-4-26-16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	22.3	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

