

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043016\
 Data File : BF086521.D
 Acq On : 30 Apr 2016 14:02
 Operator : UM/SJ
 Sample : PB90161BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 01:20:02 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun May 01 01:17:37 2016
 Response via : Initial Calibration

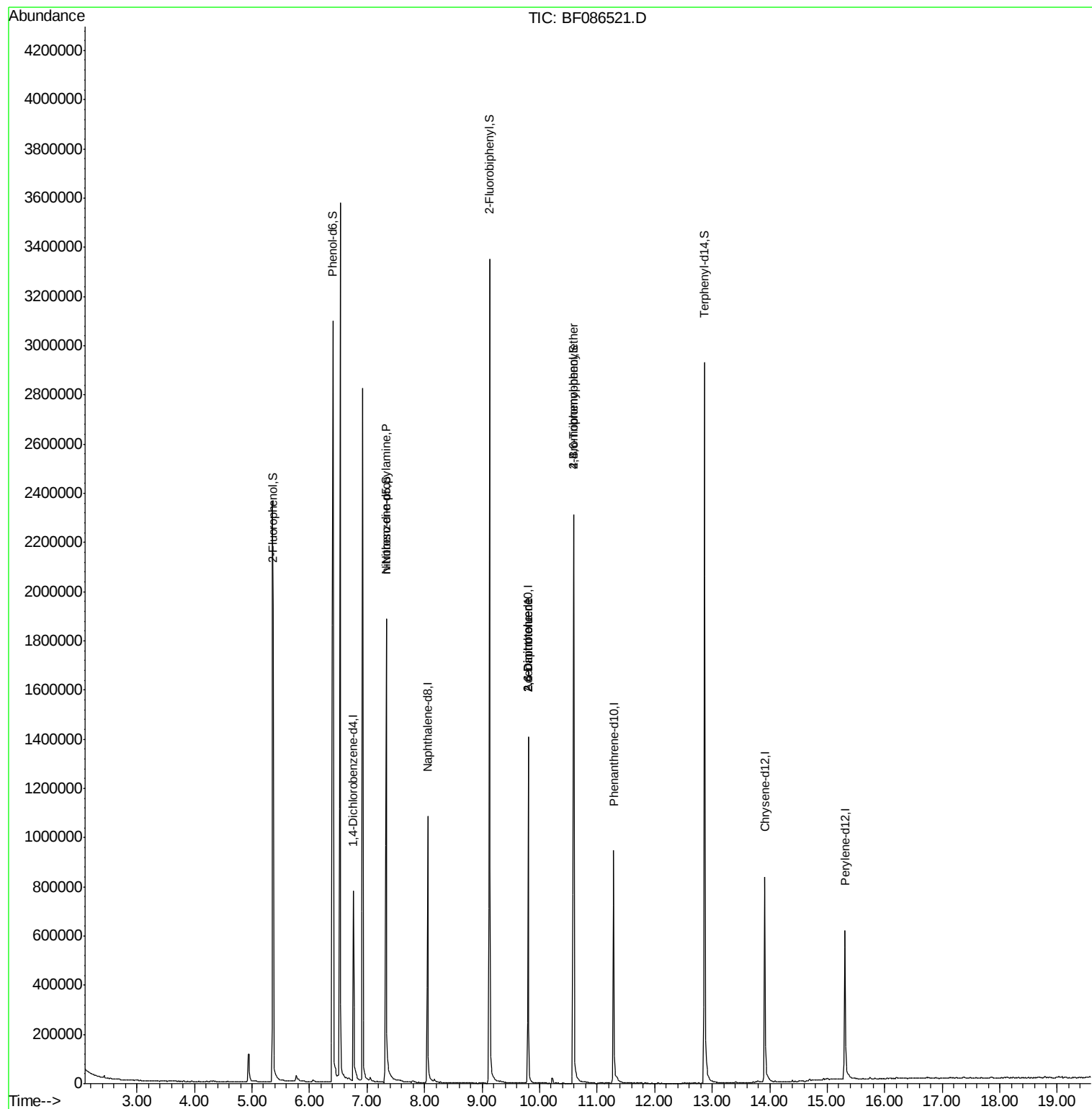
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	124761	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	569112	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	281598	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	546624	20.00	ng	0.00
75) Chrysene-d12	13.92	240	489222	20.00	ng	0.00
86) Perylene-d12	15.31	264	377504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	881320	121.85	ng	0.01
7) Phenol-d6	6.41	99	1271288	125.93	ng	0.00
23) Nitrobenzene-d5	7.33	82	771802	73.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	293229	98.74	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1193873	71.57	ng	-0.01
78) Terphenyl-d14	12.87	244	1283837	57.82	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	100407	15.05	ng	# 78
50) 2,6-Dinitrotoluene	9.80	165	34773	7.94	ng	# 20
56) 2,4-Dinitrotoluene	9.80	165	34976	6.26	ng	# 16
66) 4-Bromophenyl-phenylether	10.59	248	17709	3.14	ng	# 1

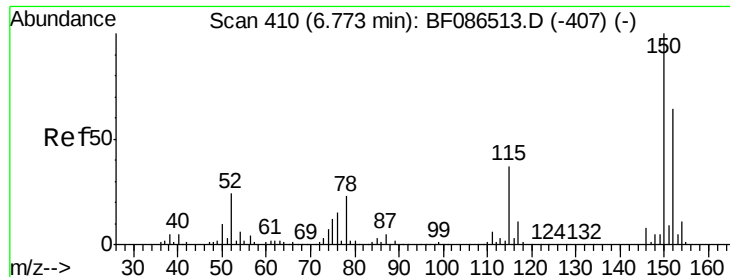
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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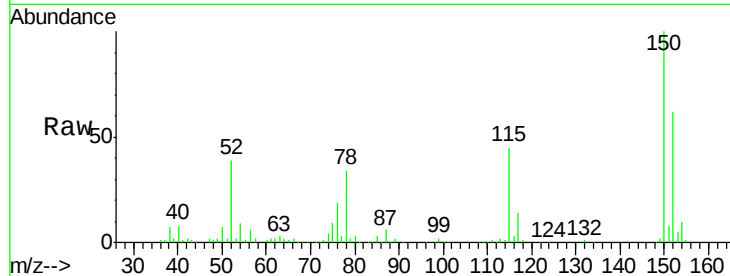


#1

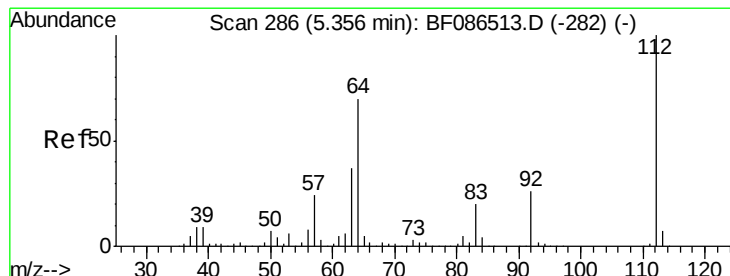
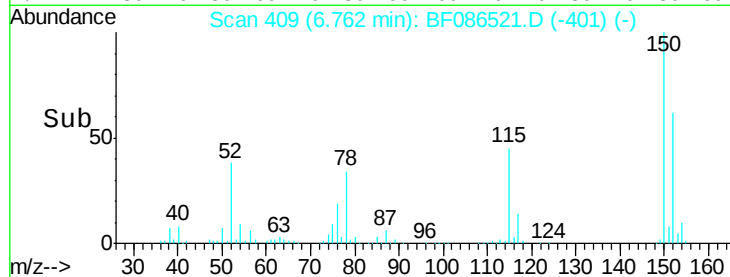
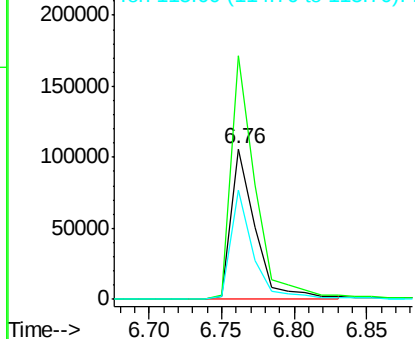
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124761
Ion Ratio Lower Upper
152 100
150 161.6 125.8 188.6
115 72.4 51.5 77.3



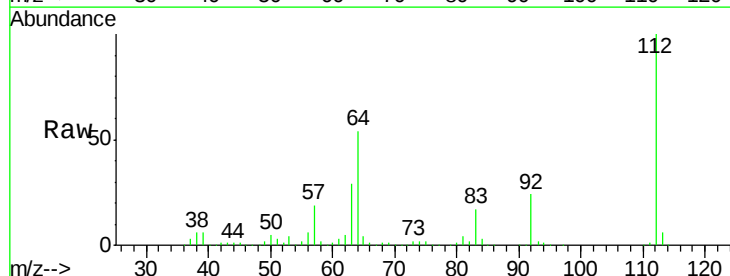
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



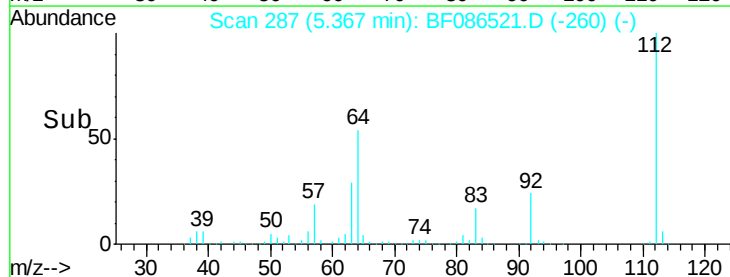
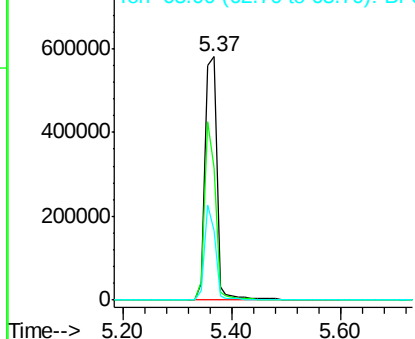
#5

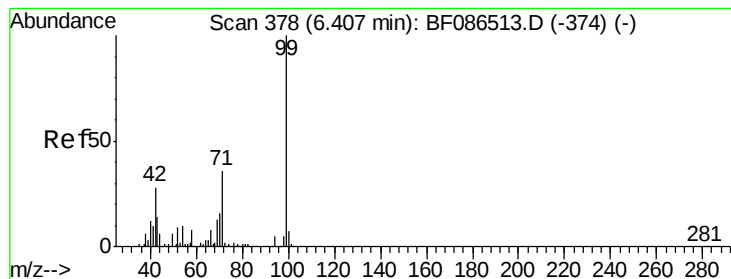
2-Fluorophenol
Concen: 121.85 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.01 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Tgt Ion:112 Resp: 881320
Ion Ratio Lower Upper
112 100
64 54.4 52.1 78.1
63 28.6 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: 125.93 ng

RT: 6.41 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF086521.D

Acq: 30 Apr 2016 14:02

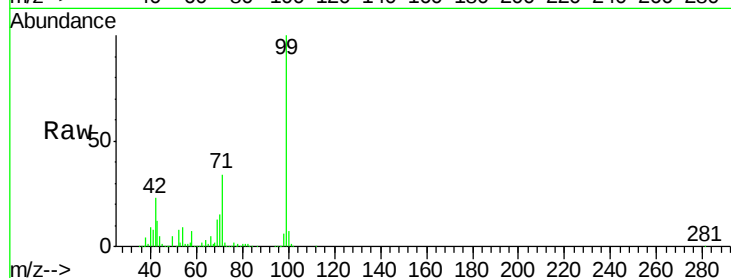
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1271288

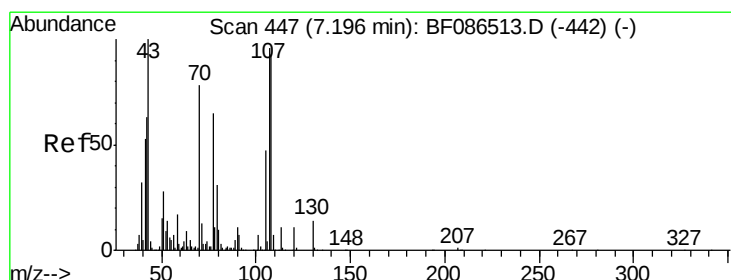
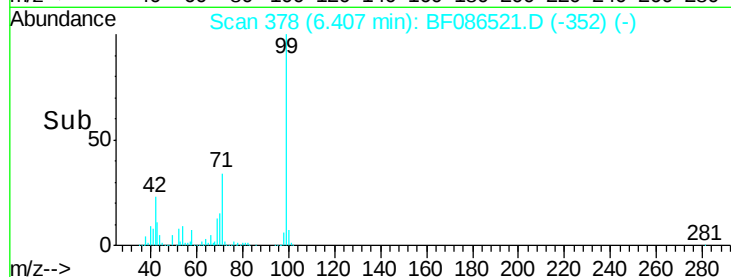
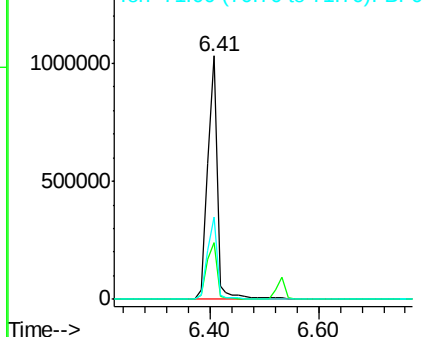
Ion	Ratio	Lower	Upper
99	100		
42	23.2	13.6	20.4#
71	33.9	24.6	36.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.05 ng

RT: 7.33 min Scan# 459

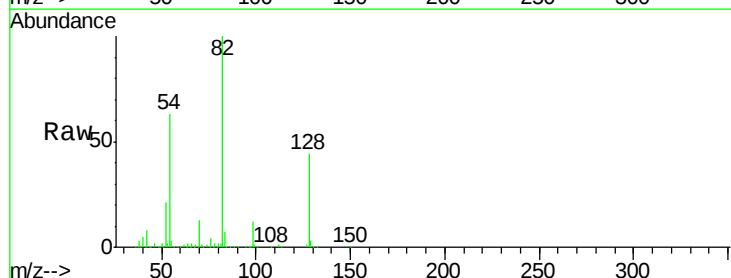
Delta R.T. 0.14 min

Lab File: BF086521.D

Acq: 30 Apr 2016 14:02

Tgt Ion: 70 Resp: 100407

Ion	Ratio	Lower	Upper
70	100		
42	62.5	43.1	64.7
101	0.0	8.1	12.1#
130	2.3	18.6	28.0#

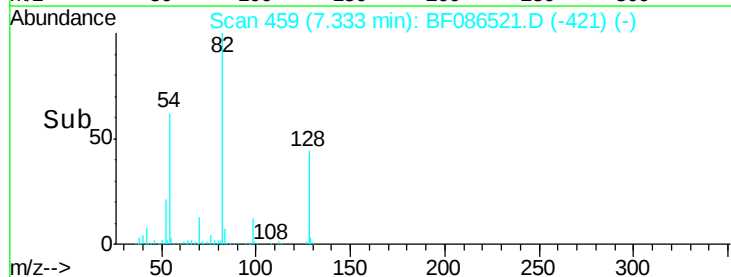
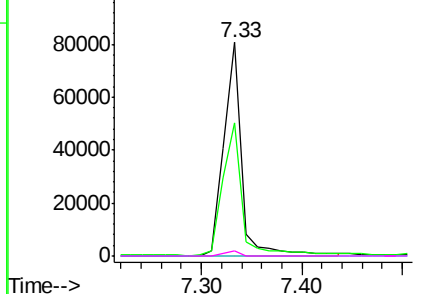


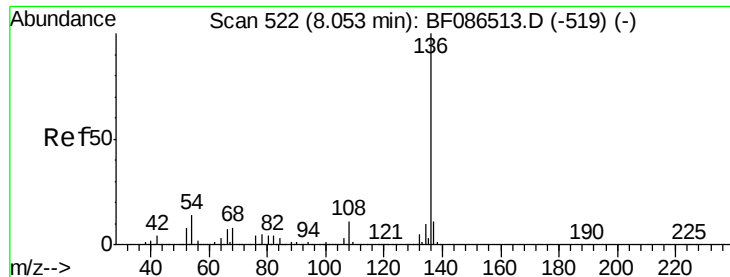
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.05 min Scan# 522

Delta R.T. 0.00 min

Lab File: BF086521.D

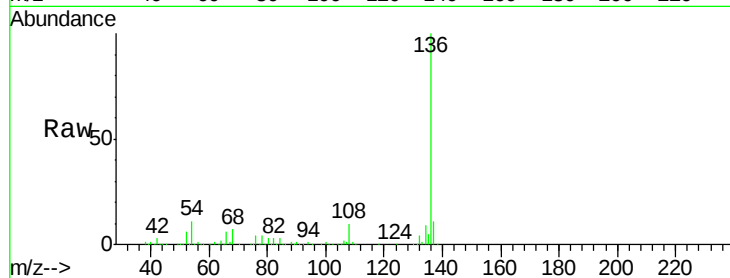
Acq: 30 Apr 2016 14:02

Instrument :

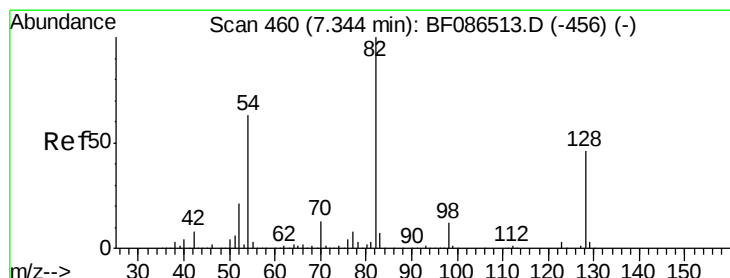
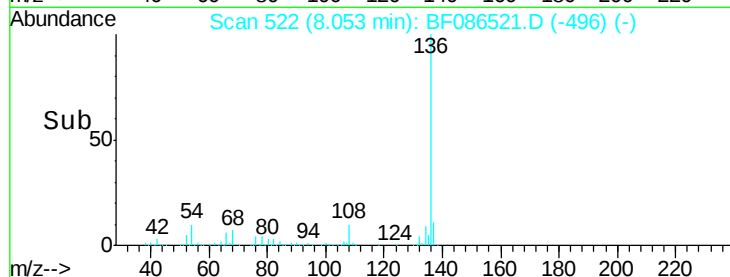
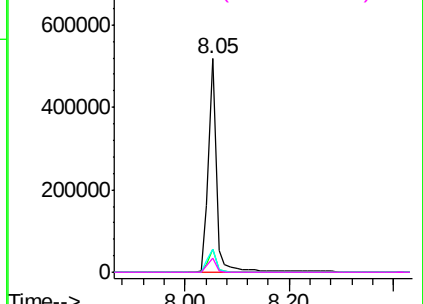
BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	569112
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.5	5.0	7.4#
68	6.5	4.4	6.6



Abundance Ion 136.00 (135.70 to 136.70): E



#23

Nitrobenzene-d5

Concen: 73.10 ng

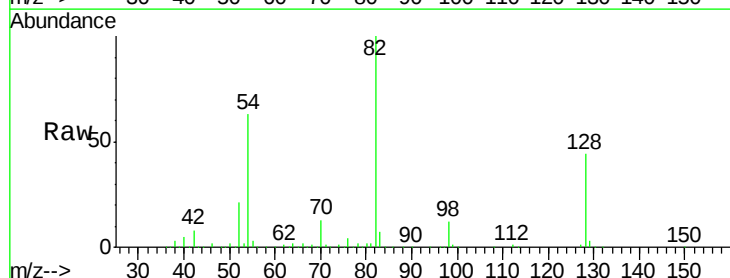
RT: 7.33 min Scan# 459

Delta R.T. -0.01 min

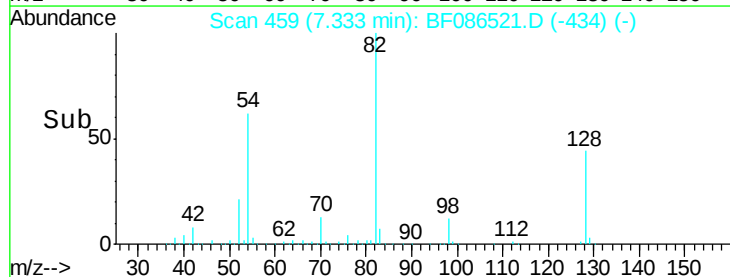
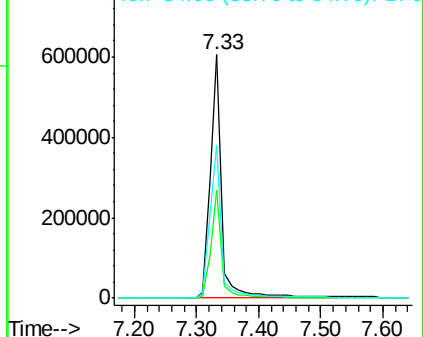
Lab File: BF086521.D

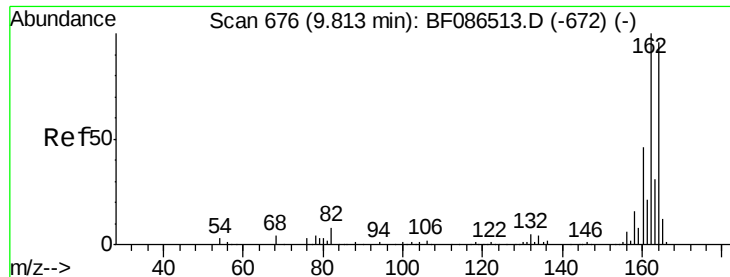
Acq: 30 Apr 2016 14:02

Tgt Ion:	82	Resp:	771802
Ion	Ratio	Lower	Upper
82	100		
128	44.1	40.6	61.0
54	62.5	38.1	57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

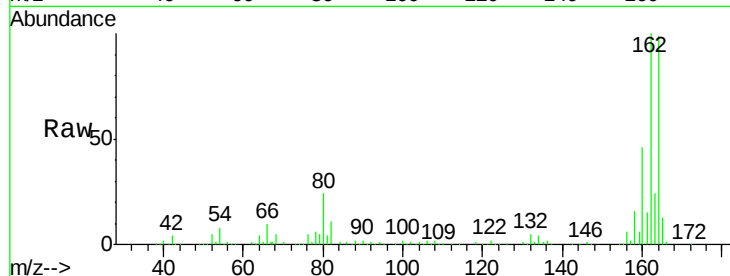




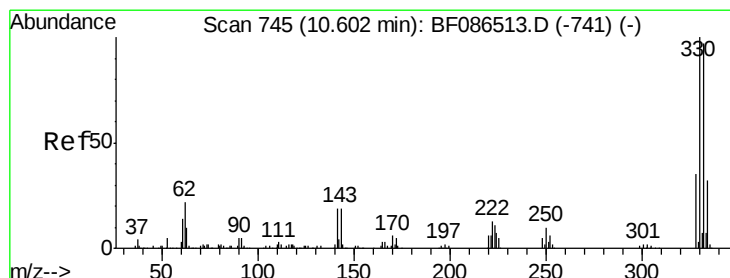
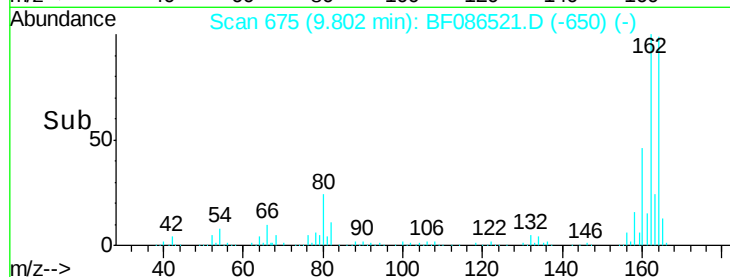
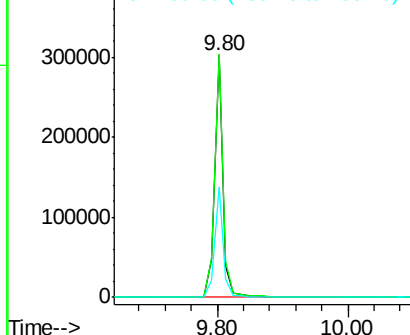
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 281598
Ion Ratio Lower Upper
164 100
162 100.5 82.8 124.2
160 45.8 36.9 55.3

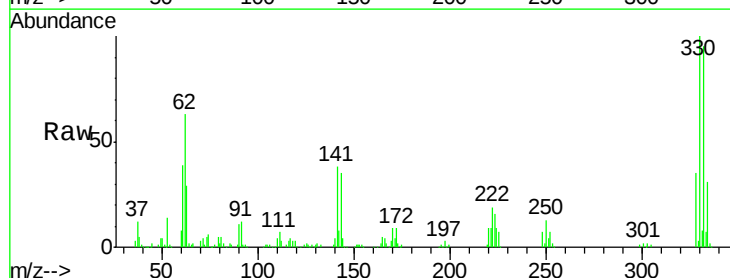


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

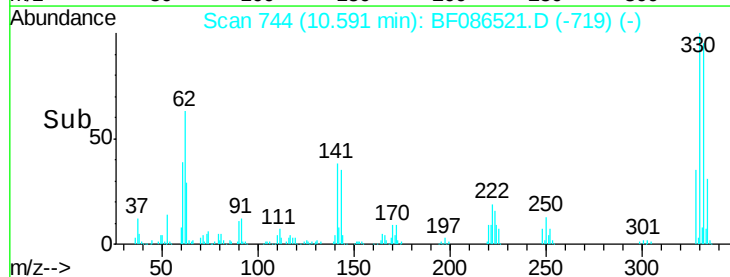
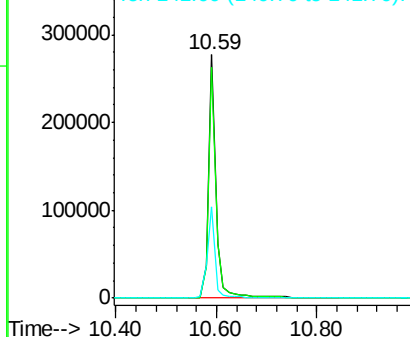


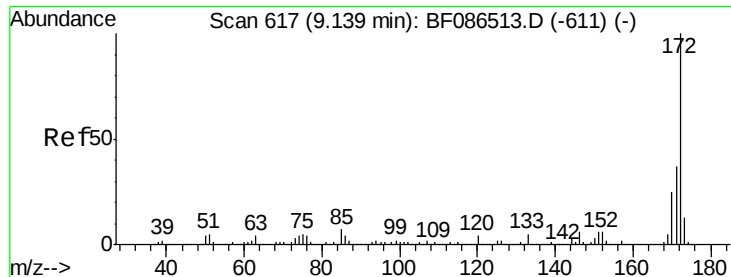
#41
2,4,6-Tribromophenol
Concen: 98.74 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Tgt Ion:330 Resp: 293229
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 38.9 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

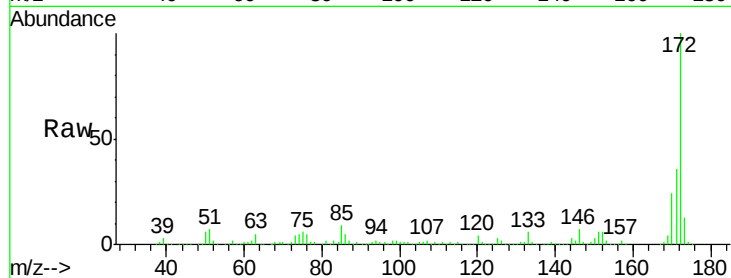




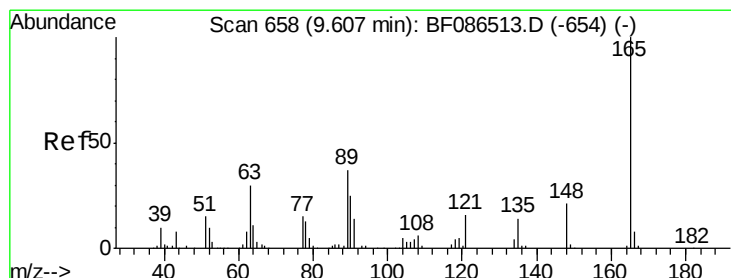
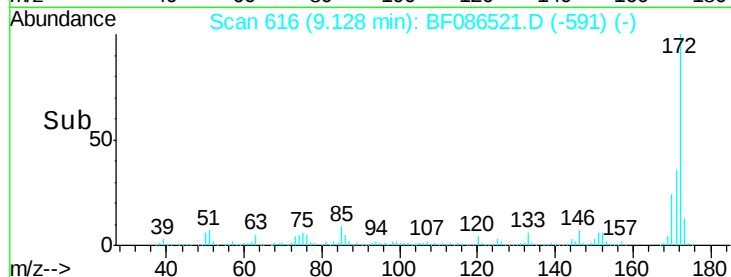
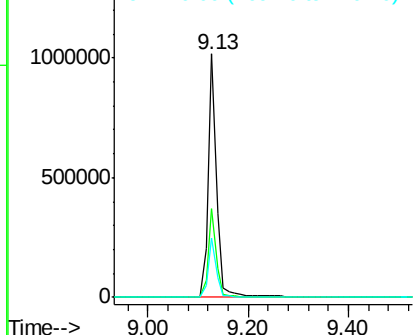
#44
2-Fluorobiphenyl
Concen: 71.57 ng
RT: 9.13 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1193873
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 24.3 19.8 29.8

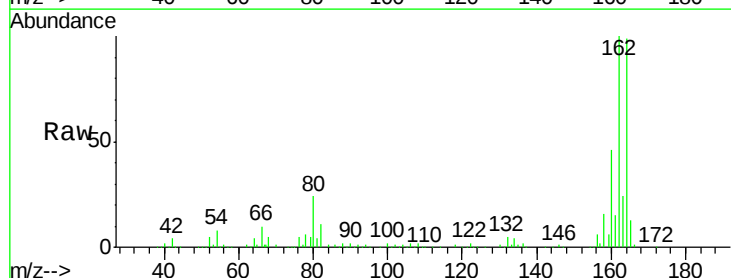


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

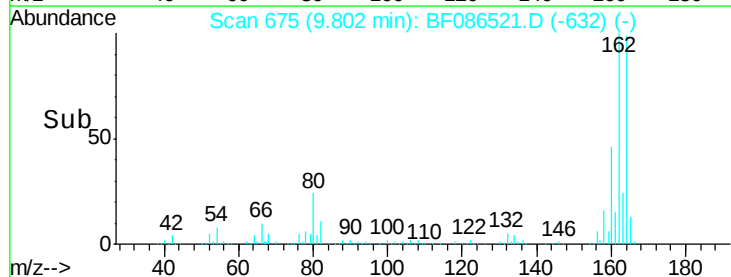
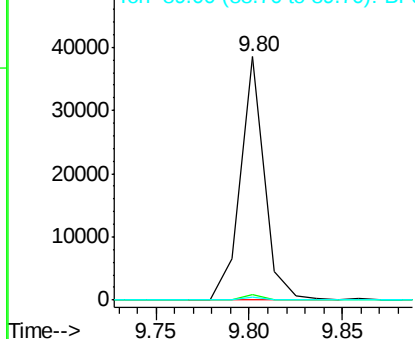


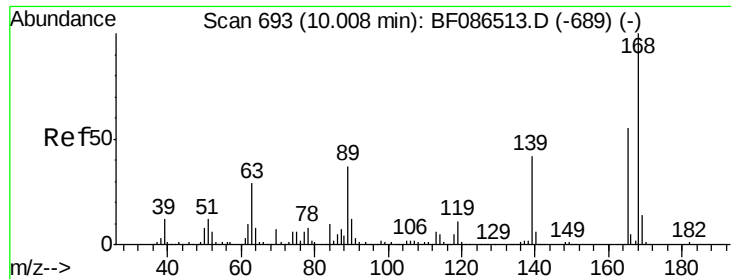
#50
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 9.80 min Scan# 675
Delta R.T. 0.19 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Tgt Ion:165 Resp: 34773
Ion Ratio Lower Upper
165 100
63 2.0 51.8 77.8#
89 1.5 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: 6.26 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.21 min

Lab File: BF086521.D

Acq: 30 Apr 2016 14:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 34976

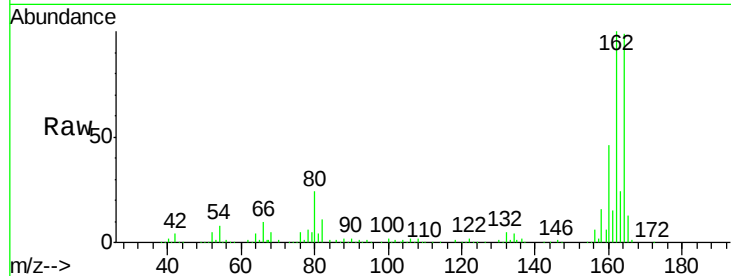
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 1.5 70.0 105.0#

182 0.0 1.8 2.6#

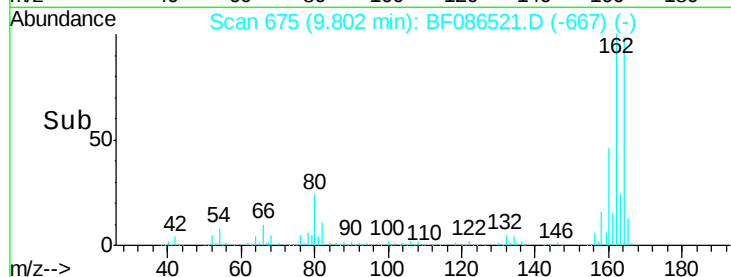


Abundance Ion 165.00 (164.70 to 165.70): E

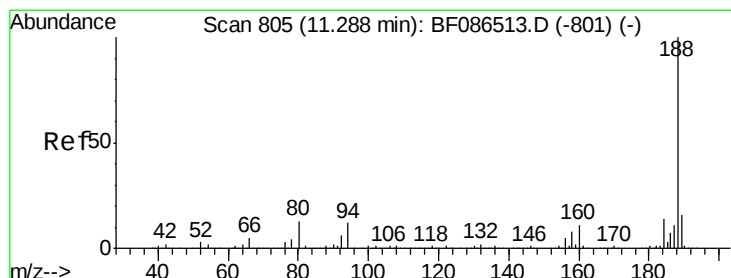
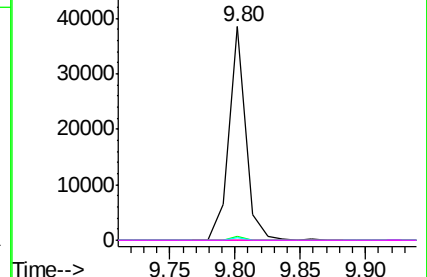
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF086521.D

Acq: 30 Apr 2016 14:02

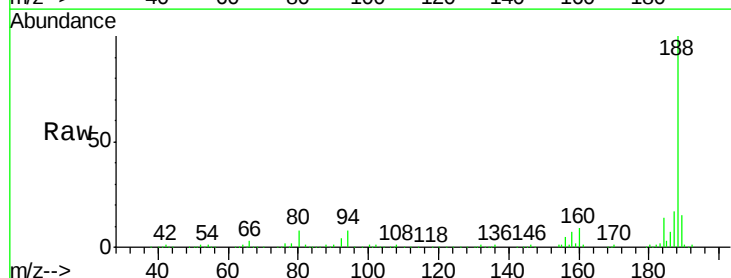
Tgt Ion:188 Resp: 546624

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

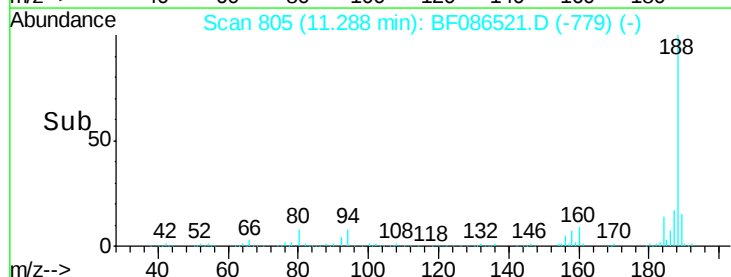
80 8.1 7.1 10.7



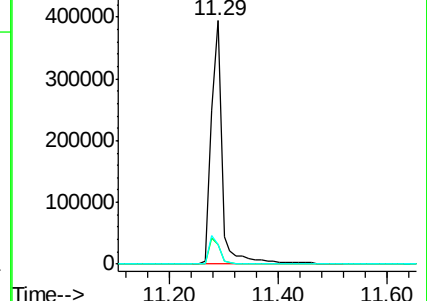
Abundance Ion 188.00 (187.70 to 188.70): E

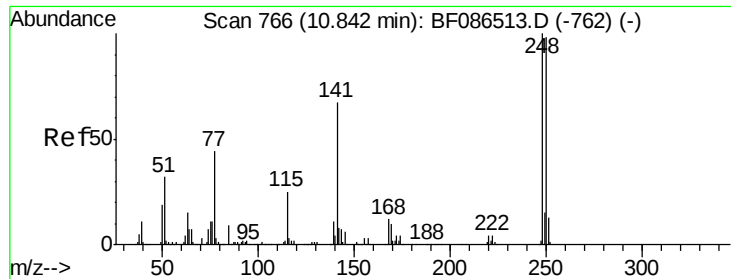
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->

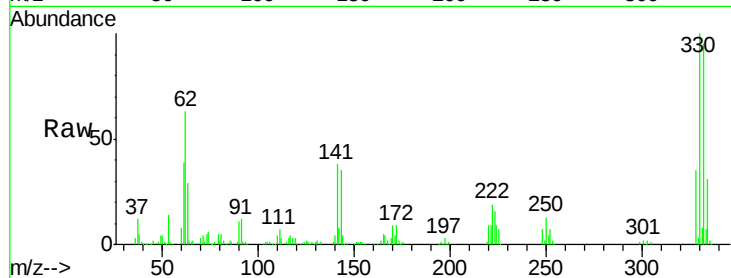




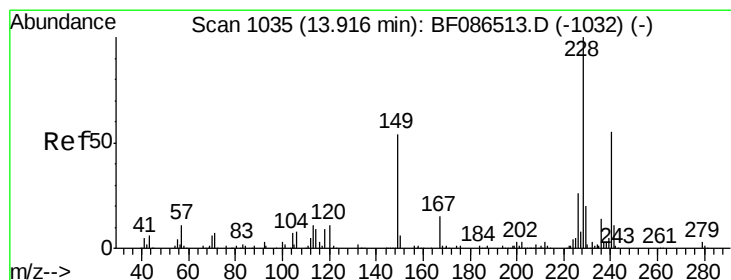
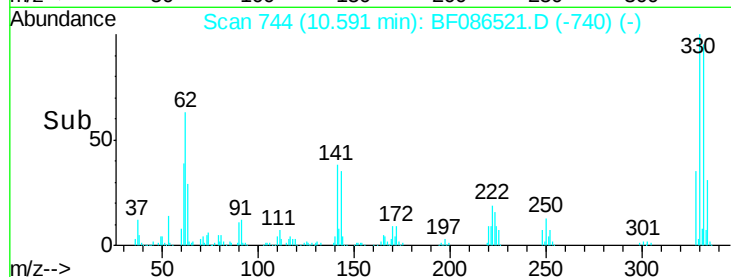
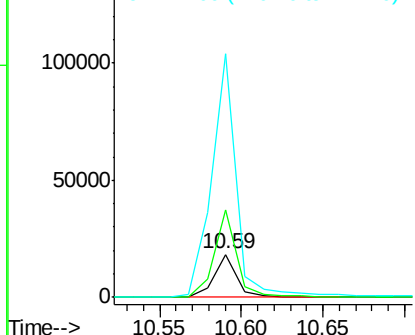
#66
4-Bromophenyl-phenylether
Concen: 3.14 ng
RT: 10.59 min Scan# 744
Delta R.T. -0.25 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 17709
Ion Ratio Lower Upper
248 100
250 203.7 78.6 117.8#
141 570.3 76.0 114.0#

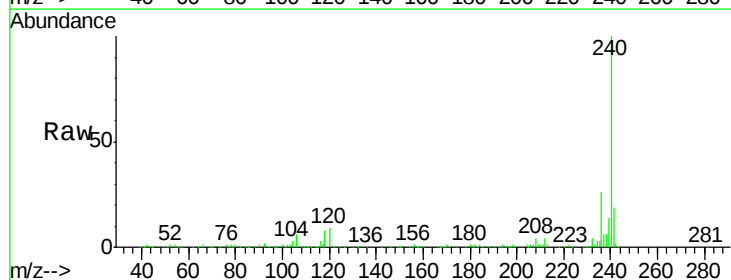


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

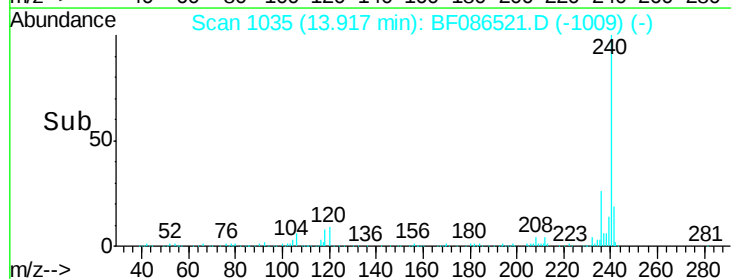
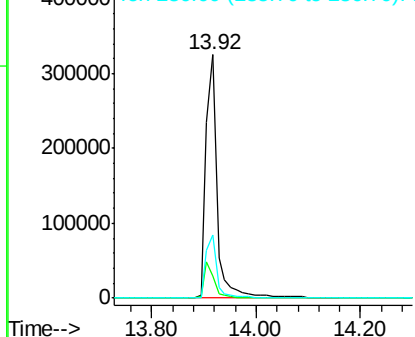


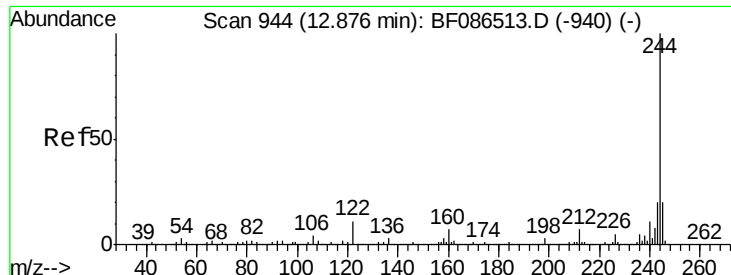
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF086521.D
Acq: 30 Apr 2016 14:02

Tgt Ion:240 Resp: 489222
Ion Ratio Lower Upper
240 100
120 9.0 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

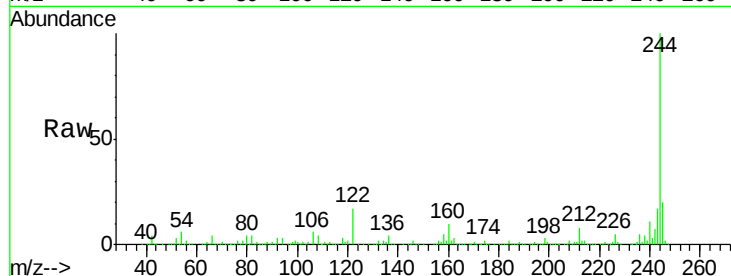




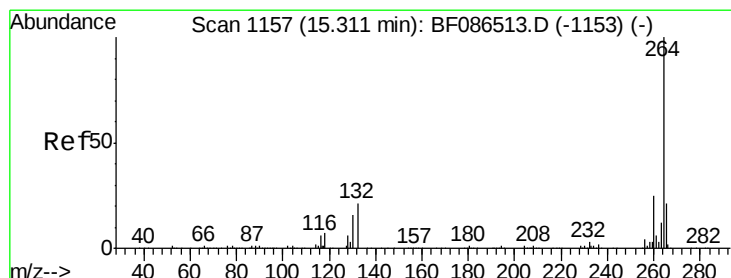
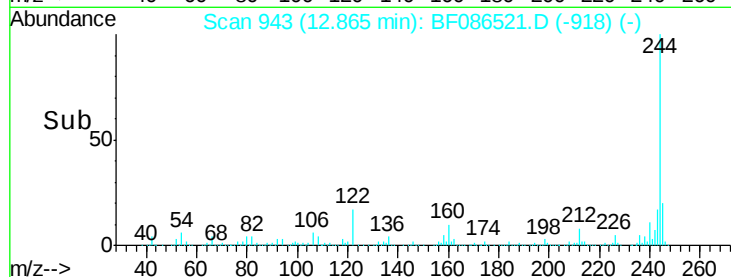
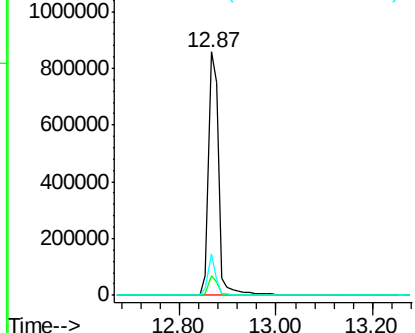
#78
 Terphenyl-d14
 Concen: 57.82 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF086521.D
 Acq: 30 Apr 2016 14:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1283837
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 17.0 12.0 18.0

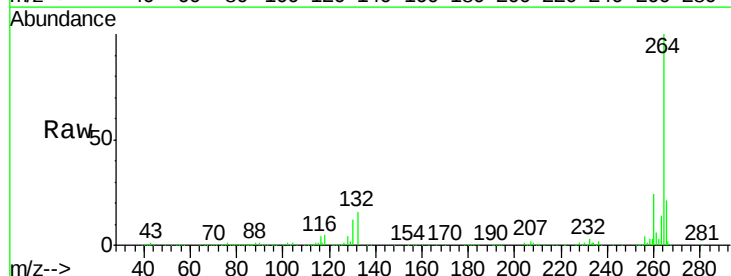


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF086521.D
 Acq: 30 Apr 2016 14:02

Tgt Ion:264 Resp: 377504
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.3 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

