

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073015\
 Data File : BF080716.D
 Acq On : 31 Jul 2015 3:30
 Operator : TP/UM
 Sample : G3077-11RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)RE

Quant Time: Jul 31 04:53:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 01:45:22 2015
 Response via : Initial Calibration

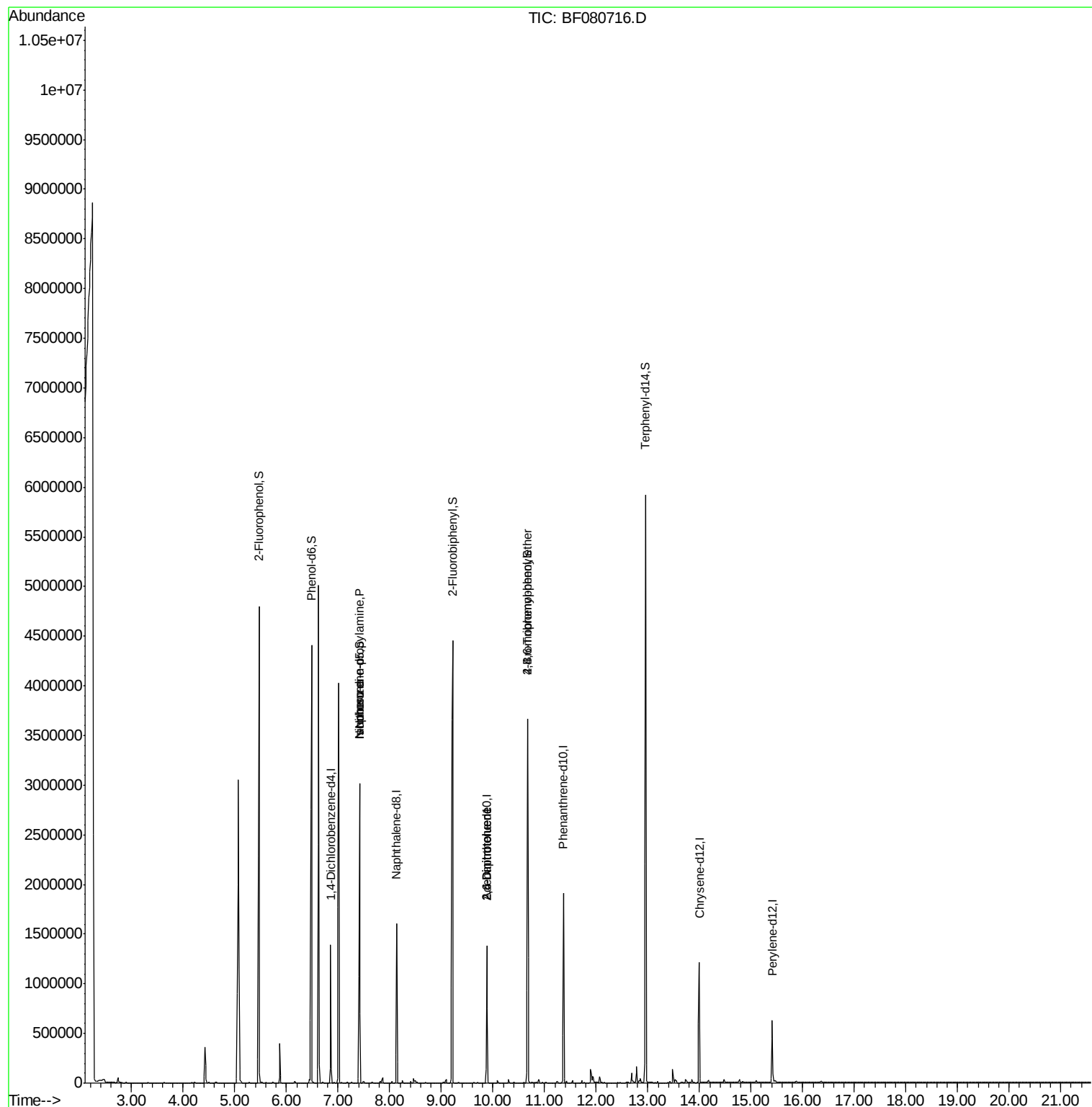
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	174087	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	646428	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	318155	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	662768	20.00	ng	0.00
75) Chrysene-d12	14.00	240	471611	20.00	ng	0.00
86) Perylene-d12	15.41	264	321281	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1183334	116.61	ng	0.02
7) Phenol-d6	6.49	99	1708152	123.64	ng	0.00
23) Nitrobenzene-d5	7.41	82	1055448	79.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	512351	155.20	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	2054166	96.32	ng	0.00
78) Terphenyl-d14	12.96	244	1883897	75.55	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	2400	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.41	70	146999	15.80 ng	#	77
25) Isophorone	7.41	82	1046798	44.10 ng	#	71
50) 2,6-Dinitrotoluene	9.88	165	40666	8.55 ng	#	15
56) 2,4-Dinitrotoluene	9.88	165	40668	6.52 ng	#	16
66) 4-Bromophenyl-phenylether	10.67	248	31014	4.53 ng	#	1

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

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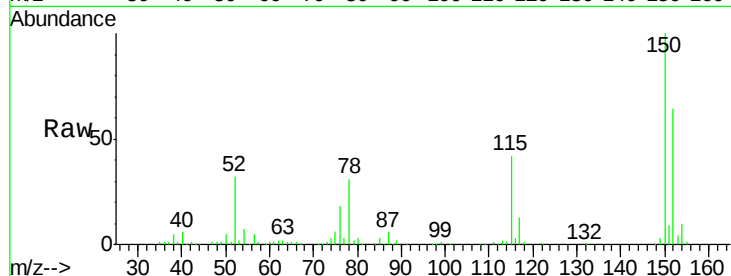


#1

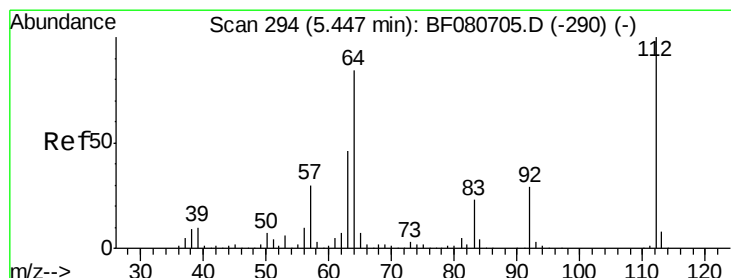
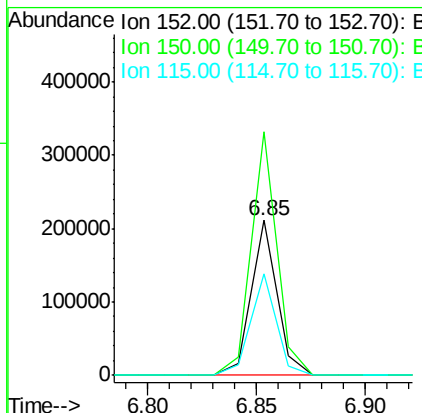
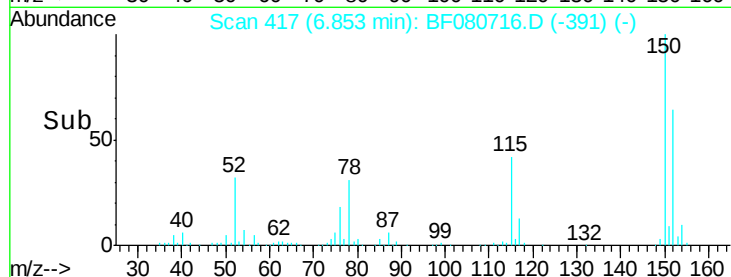
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. 0.00 min
Lab File: BF080716.D
Acq: 31 Jul 2015 3:30

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)RE

Tgt Ion:152 Resp: 174087
Ion Ratio Lower Upper
152 100
150 157.3 129.6 194.4
115 65.9 56.6 85.0



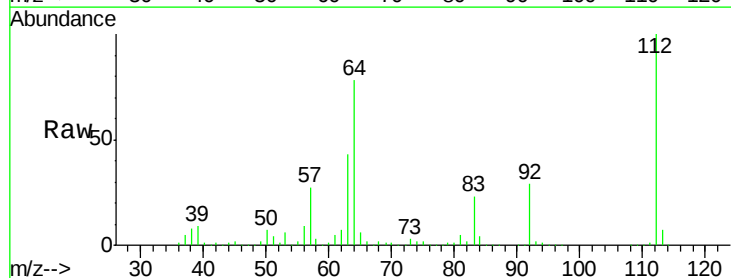
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



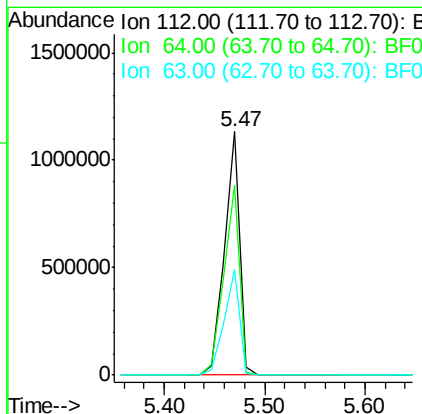
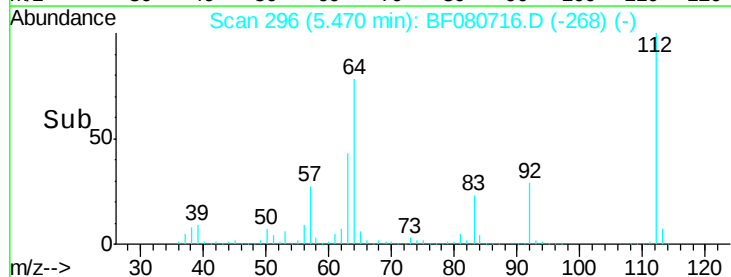
#5

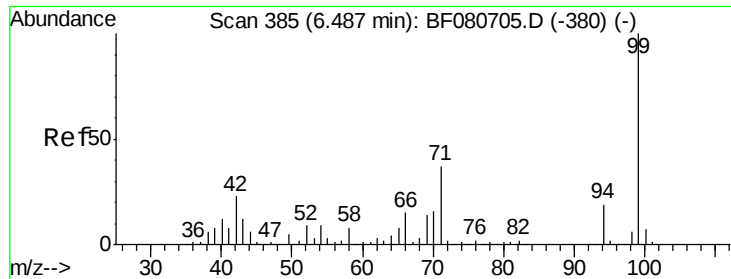
2-Fluorophenol
Concen: 116.61 ng
RT: 5.47 min Scan# 296
Delta R.T. 0.02 min
Lab File: BF080716.D
Acq: 31 Jul 2015 3:30

Tgt Ion:112 Resp: 1183334
Ion Ratio Lower Upper
112 100
64 77.8 66.8 100.2
63 43.1 36.7 55.1



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: 123.64 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF080716.D

Acq: 31 Jul 2015 3:30

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)RE

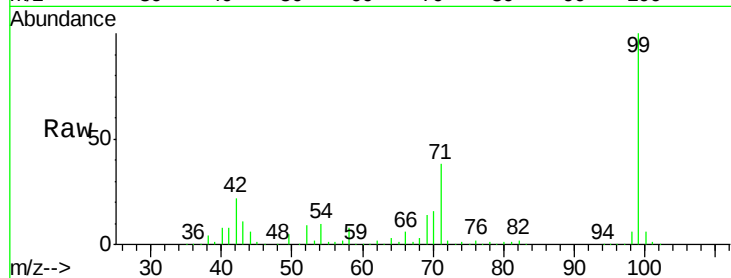
Tgt Ion: 99 Resp: 1708152

Ion Ratio Lower Upper

99 100

42 22.5 18.2 27.2

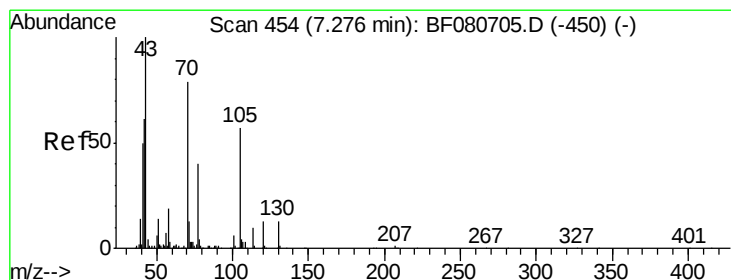
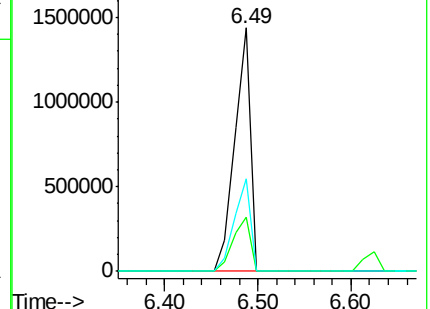
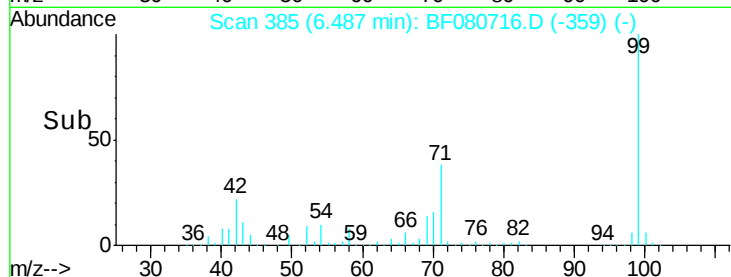
71 37.8 29.5 44.3



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: 15.80 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF080716.D

Acq: 31 Jul 2015 3:30

Tgt Ion: 70 Resp: 146999

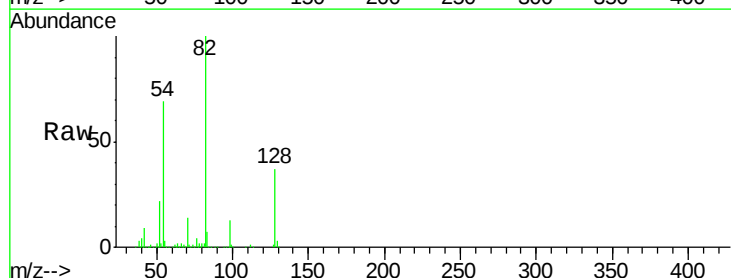
Ion Ratio Lower Upper

70 100

42 59.7 61.8 92.6#

101 0.0 6.1 9.1#

130 1.7 12.9 19.3#

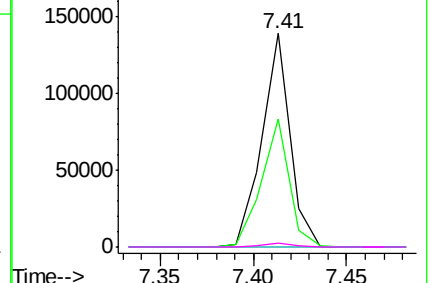
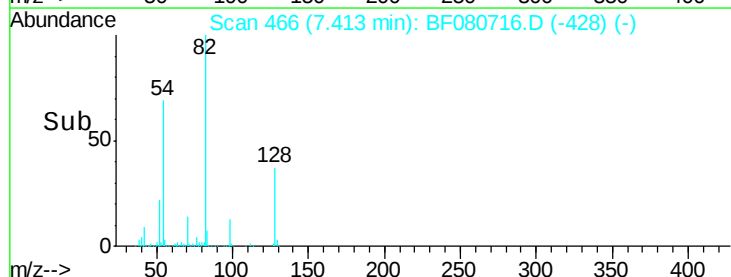


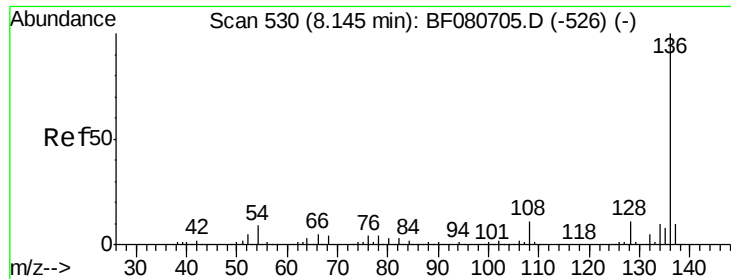
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

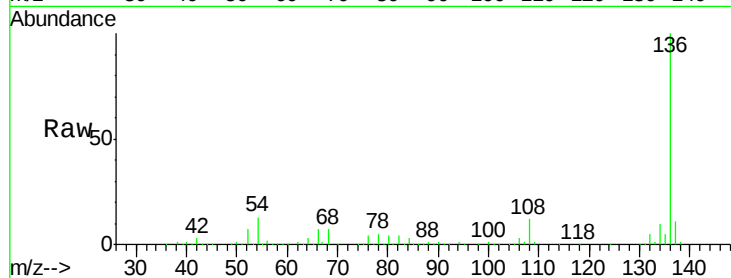




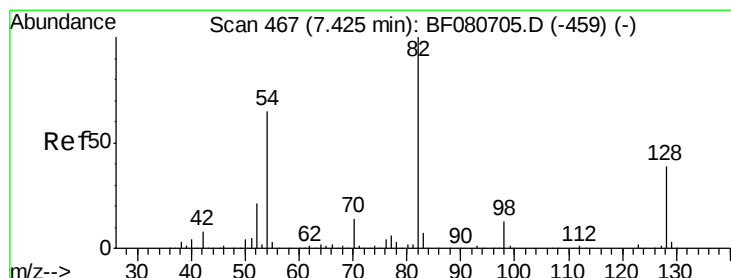
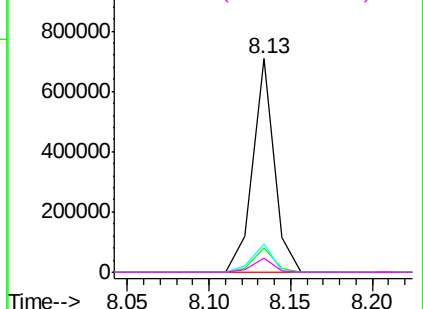
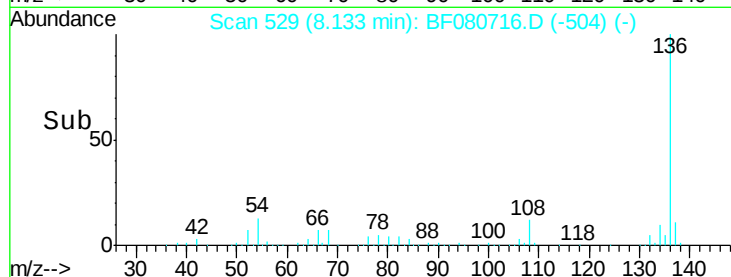
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF080716.D
Acq: 31 Jul 2015 3:30

Instrument :
BNA_F
ClientSampleId :
GRID-5-(6-12)RE

Tgt Ion: 136 Resp: 646428
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 13.0 6.9 10.3#
68 6.6 3.5 5.3#

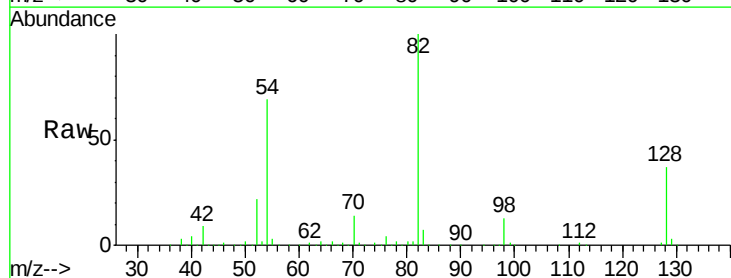


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

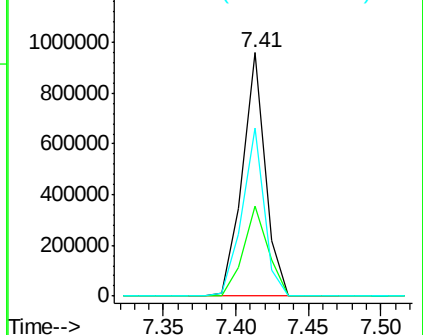
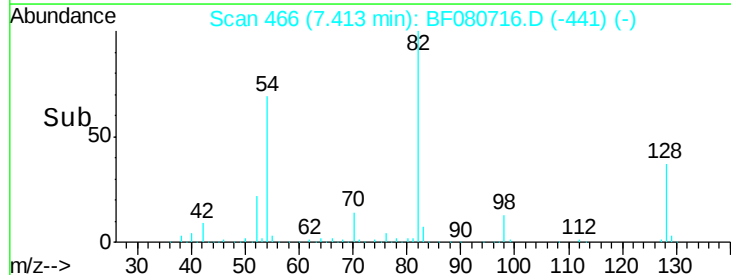


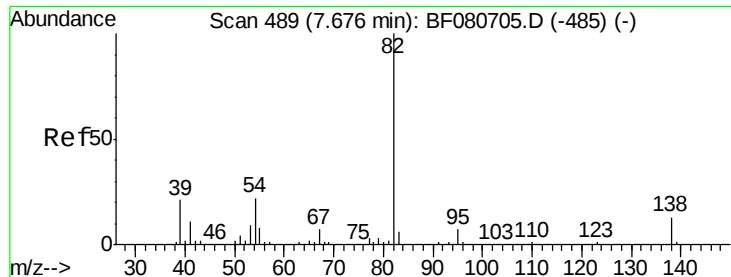
#23
Nitrobenzene-d5
Concen: 79.07 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF080716.D
Acq: 31 Jul 2015 3:30

Tgt Ion: 82 Resp: 1055448
Ion Ratio Lower Upper
82 100
128 37.1 31.5 47.3
54 68.8 51.8 77.8



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





#25

Isophorone

Concen: 44.10 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.26 min

Lab File: BF080716.D

Acq: 31 Jul 2015 3:30

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)RE

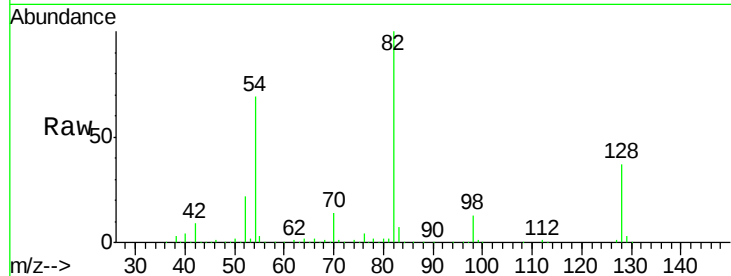
Tgt Ion: 82 Resp: 1046798

Ion Ratio Lower Upper

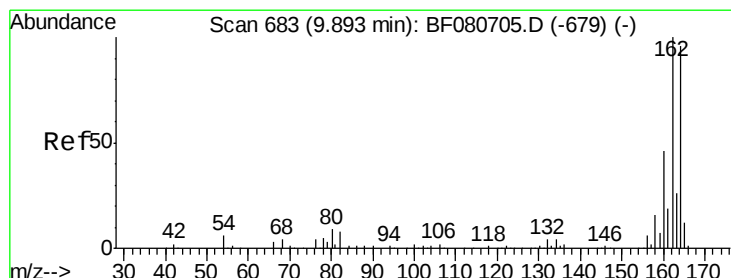
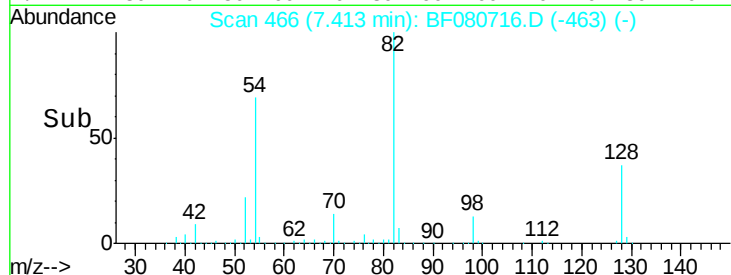
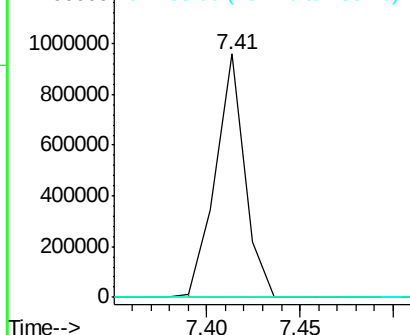
82 100

95 0.0 5.8 8.6#

138 0.0 10.7 16.1#



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: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF080716.D

Acq: 31 Jul 2015 3:30

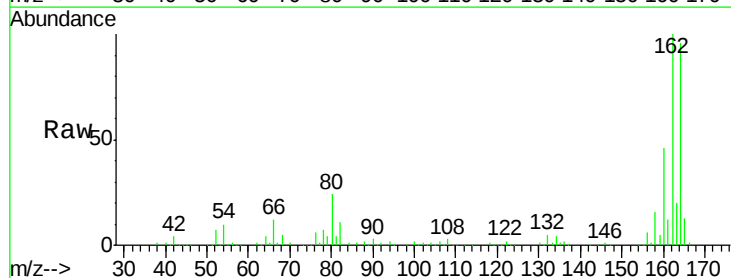
Tgt Ion: 164 Resp: 318155

Ion Ratio Lower Upper

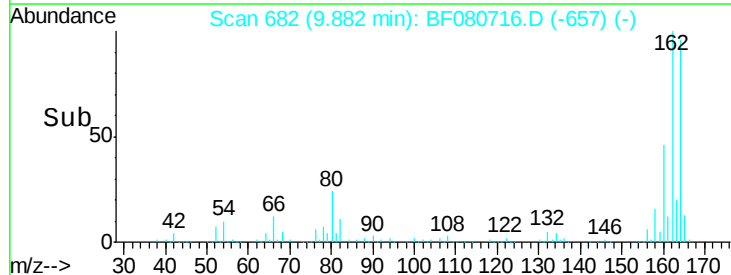
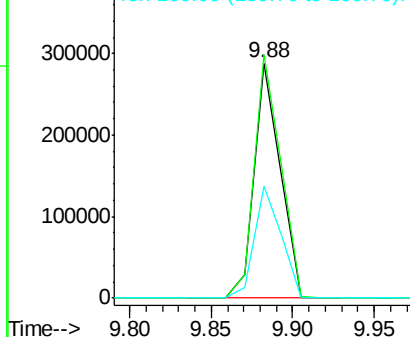
164 100

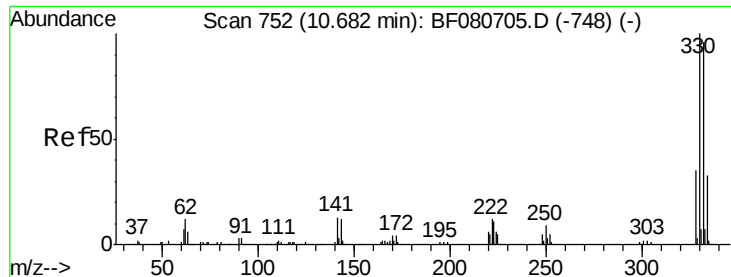
162 103.8 83.4 125.0

160 47.5 38.0 57.0



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

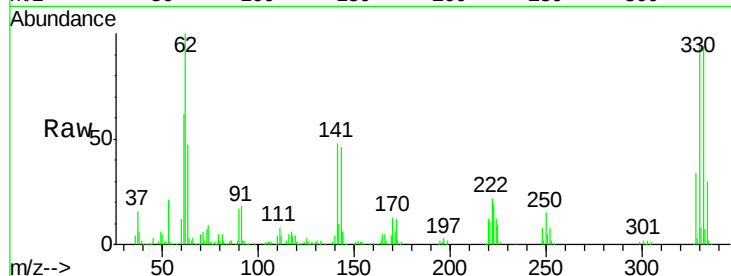




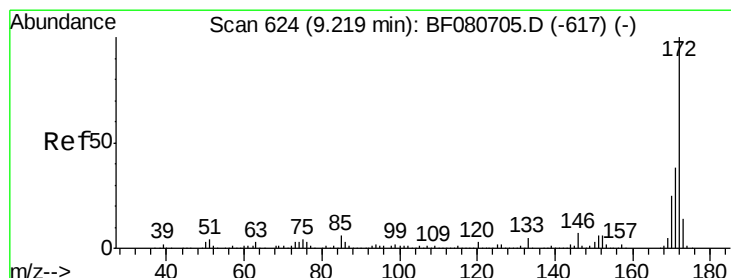
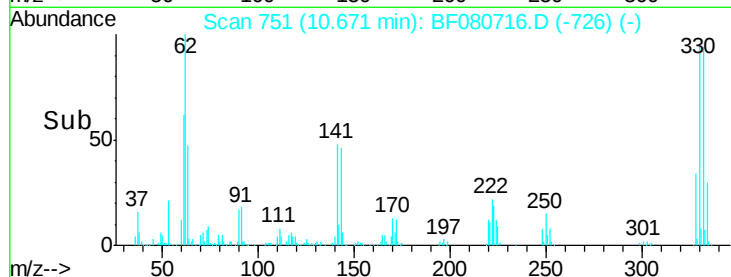
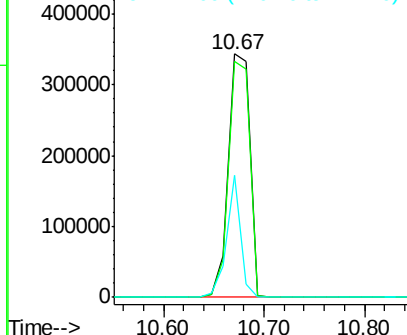
#41
 2,4,6-Tribromophenol
 Concen: 155.20 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF080716.D
 Acq: 31 Jul 2015 3:30

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)RE

Tgt Ion:330 Resp: 512351
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 32.4 26.0 39.0

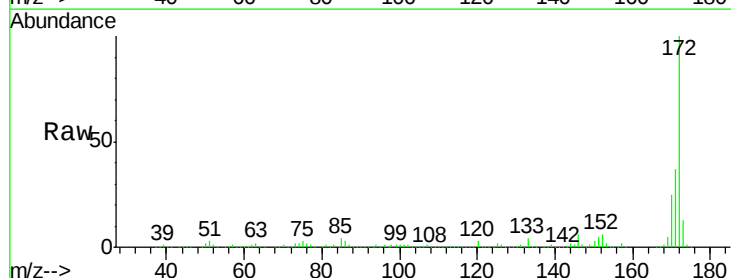


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

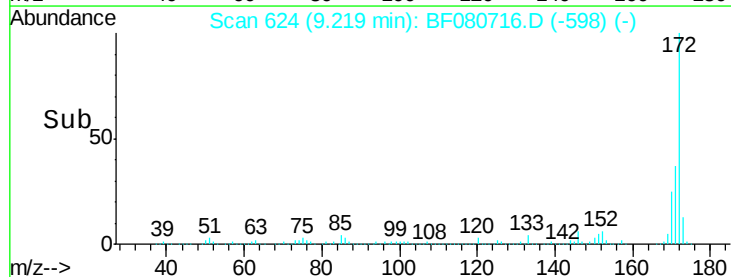
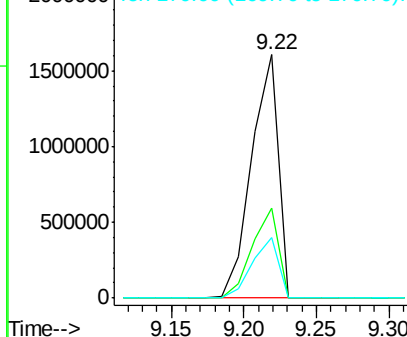


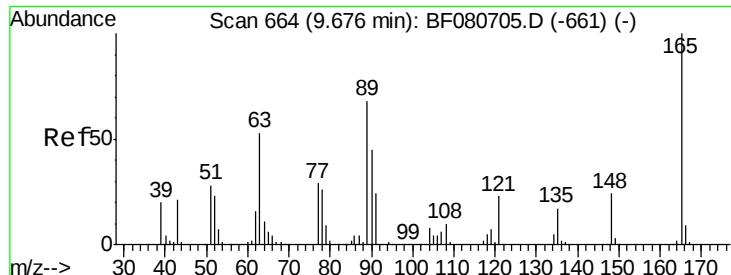
#44
 2-Fluorobiphenyl
 Concen: 96.32 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF080716.D
 Acq: 31 Jul 2015 3:30

Tgt Ion:172 Resp: 2054166
 Ion Ratio Lower Upper
 172 100
 171 36.9 30.2 45.4
 170 24.8 20.2 30.2



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

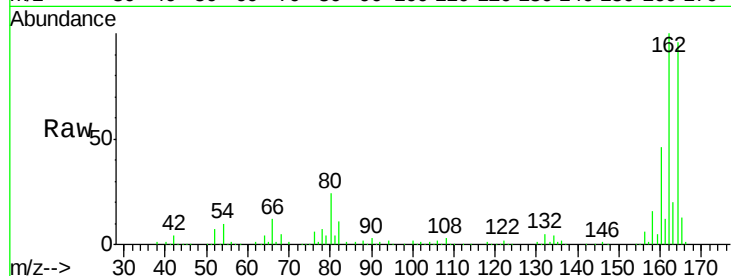




#50
 2,6-Dinitrotoluene
 Concen: 8.55 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.21 min
 Lab File: BF080716.D
 Acq: 31 Jul 2015 3:30

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)RE

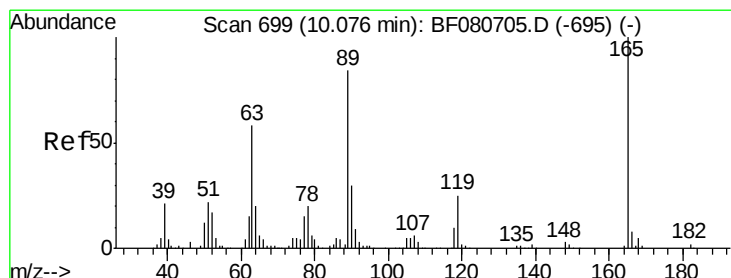
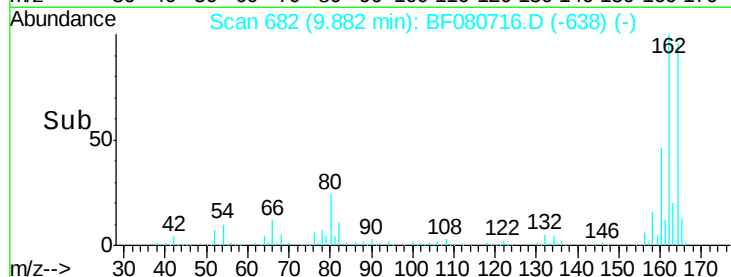
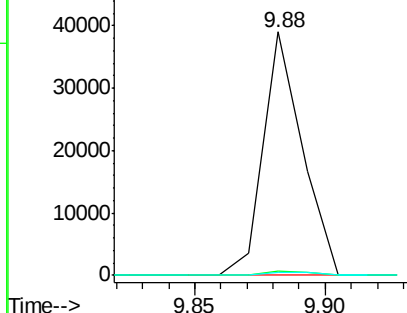
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	62.3	93.5#
89	1.4	54.8	82.2#



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: 6.52 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.19 min
 Lab File: BF080716.D
 Acq: 31 Jul 2015 3:30

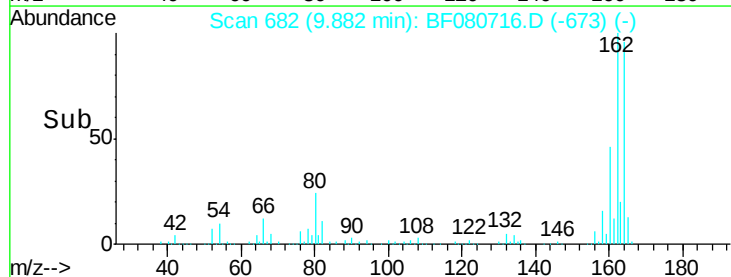
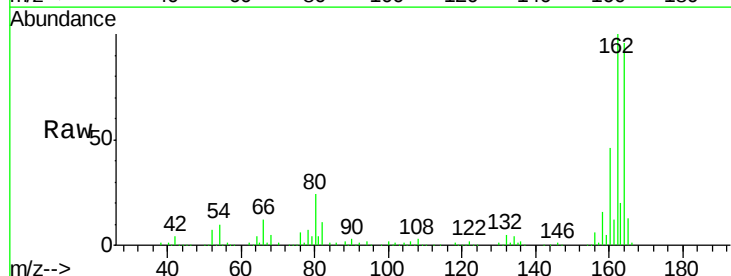
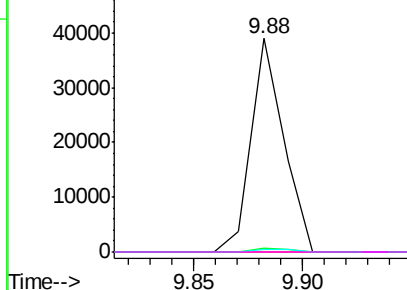
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	46.7	70.1#
89	1.4	67.4	101.2#
182	0.0	1.8	2.6#

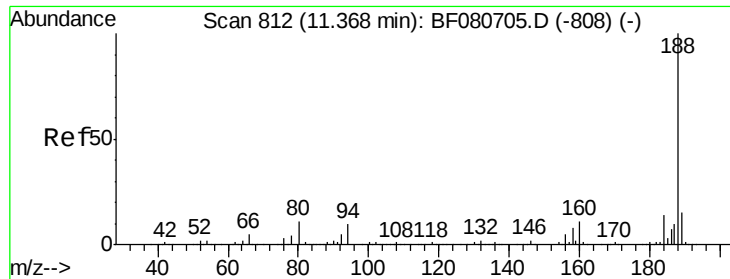
Abundance Ion 165.00 (164.70 to 165.70): E

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

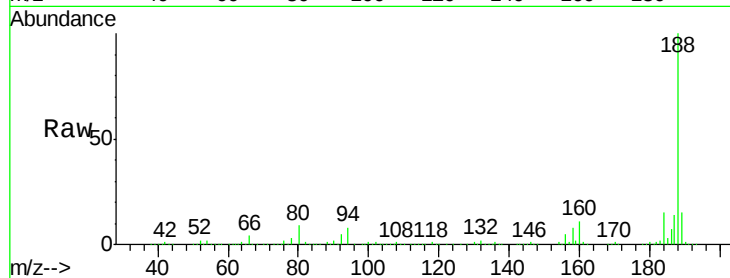




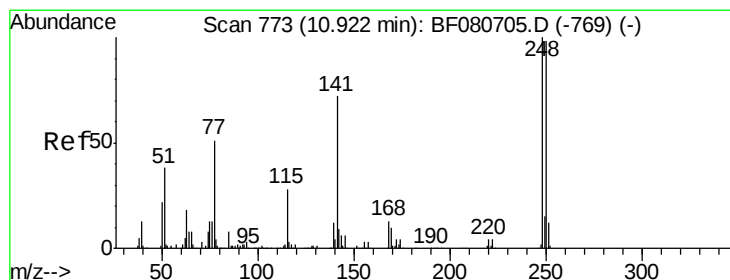
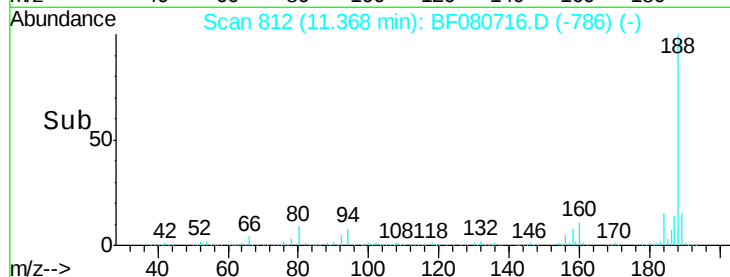
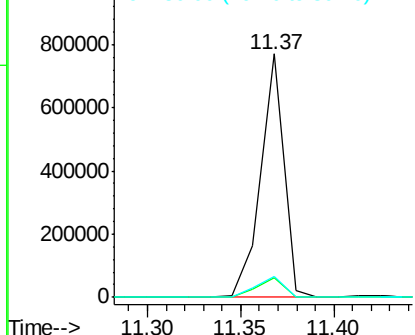
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: BF080716.D
 Acq: 31 Jul 2015 3:30

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)RE

Tgt Ion:188 Resp: 662768
 Ion Ratio Lower Upper
 188 100
 94 8.1 8.1 12.1
 80 8.8 9.1 13.7#

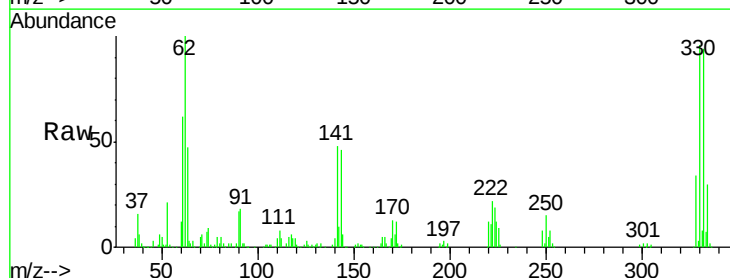


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

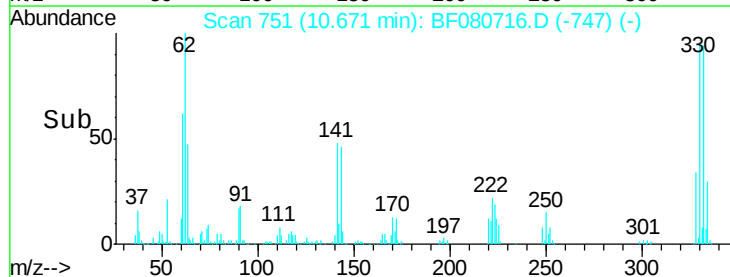
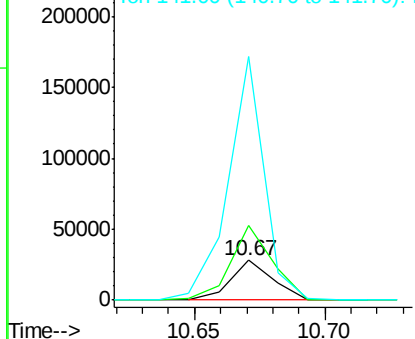


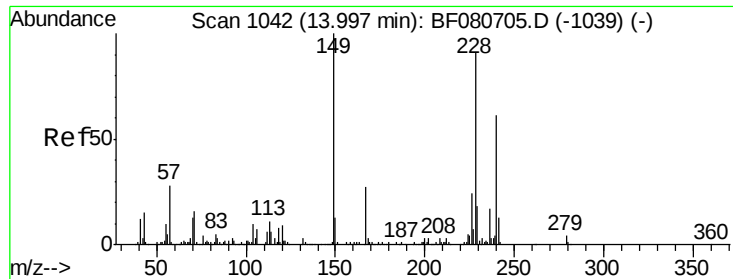
#66
 4-Bromophenyl-phenylether
 Concen: 4.53 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF080716.D
 Acq: 31 Jul 2015 3:30

Tgt Ion:248 Resp: 31014
 Ion Ratio Lower Upper
 248 100
 250 186.3 78.4 117.6#
 141 611.7 57.5 86.3#



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: 14.00 min Scan# 1042

Delta R.T. 0.00 min

Lab File: BF080716.D

Acq: 31 Jul 2015 3:30

Instrument :

BNA_F

ClientSampleId :

GRID-5-(6-12)RE

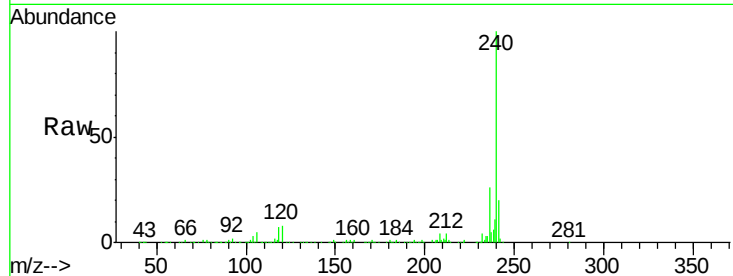
Tgt Ion:240 Resp: 471611

Ion Ratio Lower Upper

240 100

120 7.5 11.8 17.8#

236 26.2 21.8 32.8



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

600000

500000

400000

300000

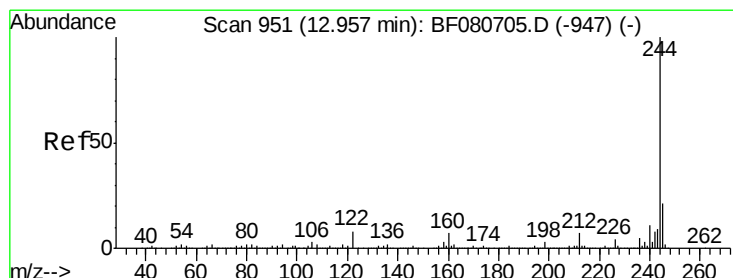
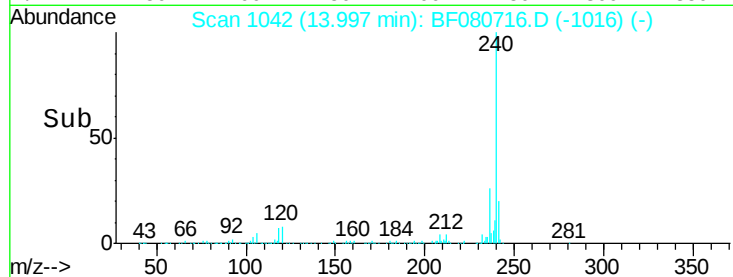
200000

100000

0

13.90 14.00 14.10 14.20

Time-->



#78

Terphenyl-d14

Concen: 75.55 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF080716.D

Acq: 31 Jul 2015 3:30

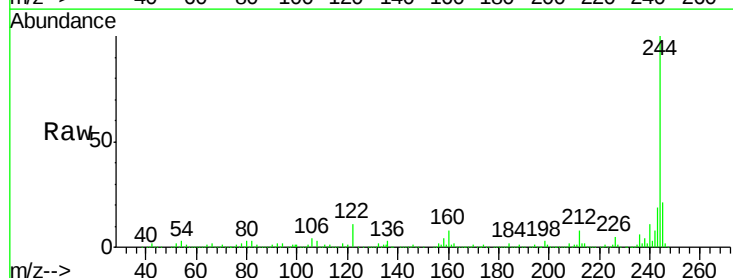
Tgt Ion:244 Resp: 1883897

Ion Ratio Lower Upper

244 100

212 8.1 5.9 8.9

122 11.2 6.6 9.8#



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

2500000

2000000

1500000

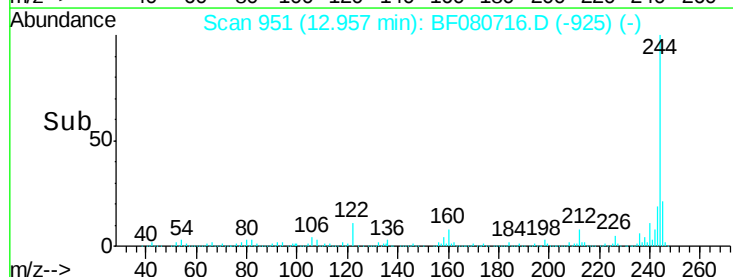
1000000

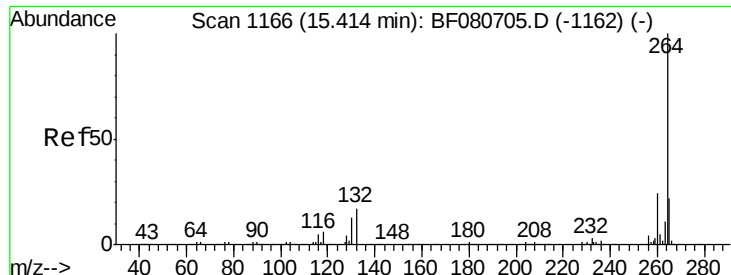
500000

0

12.80 12.90 13.00 13.10

Time-->





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF080716.D
 Acq: 31 Jul 2015 3:30

Instrument :
 BNA_F
 ClientSampleId :
 GRID-5-(6-12)RE

Tgt Ion: 264 Resp: 321281
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.0
 265 21.8 17.3 25.9

