

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040216\
 Data File : BF086034.D
 Acq On : 3 Apr 2016 1:53
 Operator : UM/SJ
 Sample : H2027-08
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-17COMP

Quant Time: Apr 04 01:12:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

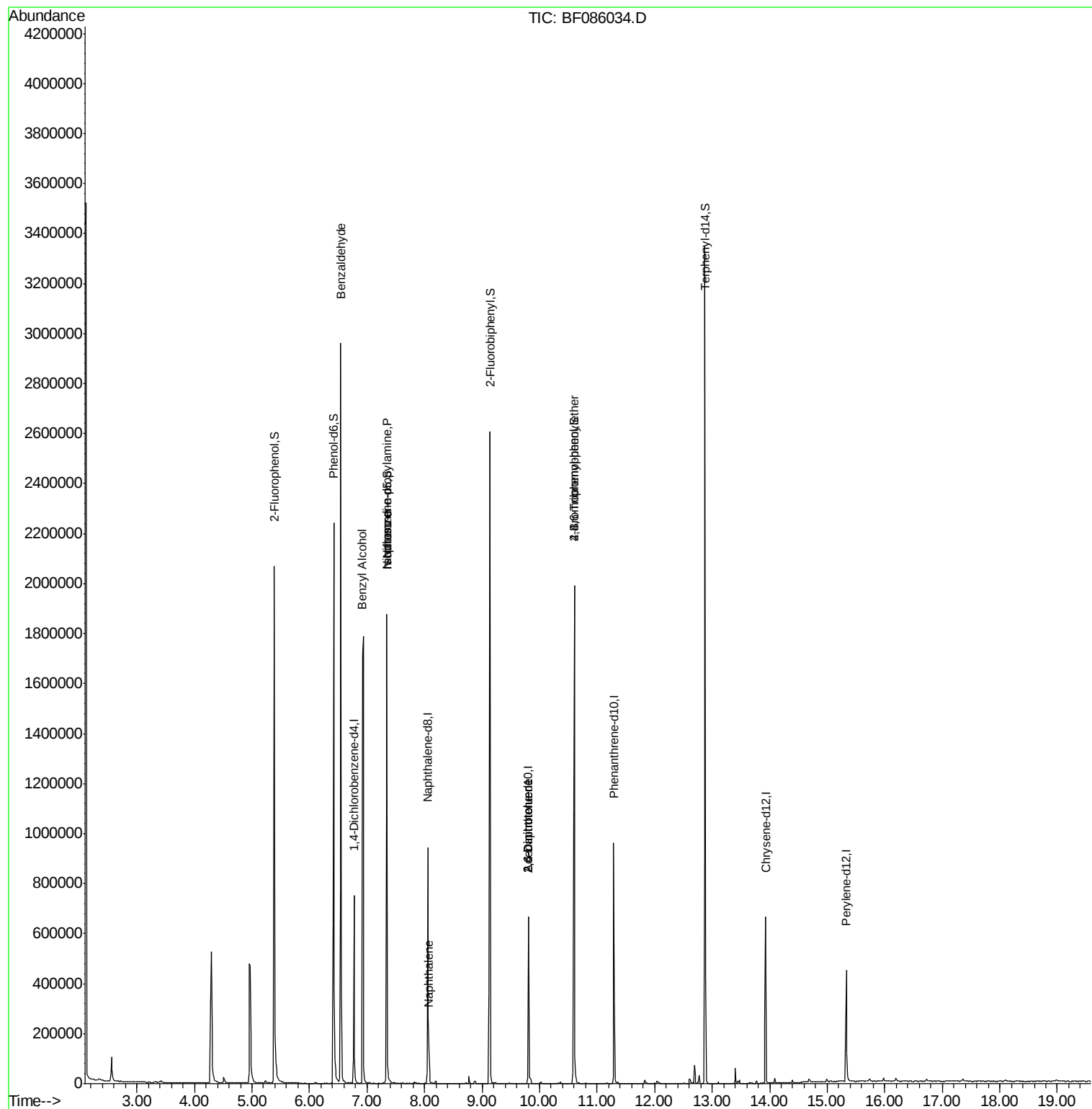
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	114690	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	444323	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	195489	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	370426	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	248169	20.00	ng	0.00
86) Perylene-d12	15.33	264	210079	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	921677	137.36	ng	0.02
7) Phenol-d6	6.42	99	932216	109.38	ng	0.00
23) Nitrobenzene-d5	7.34	82	795498	105.58	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	320667	174.77	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1312577	111.64	ng	0.00
78) Terphenyl-d14	12.88	244	1087136	102.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.54	77	18320	3.99	ng	Qvalue 89
15) Benzyl Alcohol	6.92	79	11354	2.06	ng	# 48
19) n-Nitroso-di-n-propylamine	7.34	70	103204	19.54	ng	# 74
25) Isophorone	7.34	82	790874	53.18	ng	# 68
31) Naphthalene	8.08	128	59760	2.67	ng	98
50) 2,6-Dinitrotoluene	9.80	165	24286	7.92	ng	# 18
56) 2,4-Dinitrotoluene	9.80	165	24287	6.27	ng	# 36
66) 4-Bromophenyl-phenylether	10.60	248	21029	5.56	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: 6.77 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

GRID-17COMP

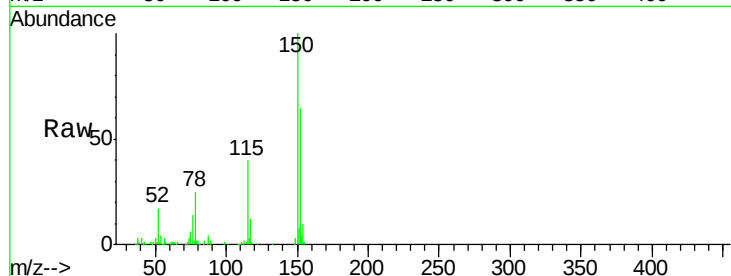
Tgt Ion:152 Resp: 114690

Ion Ratio Lower Upper

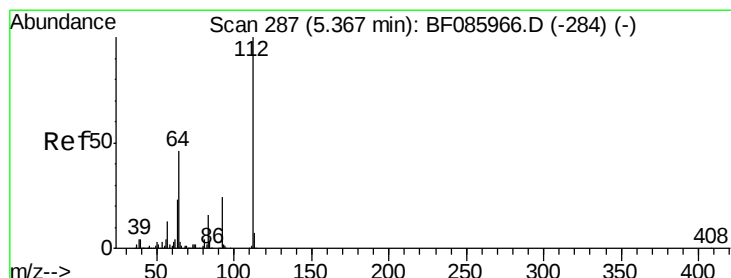
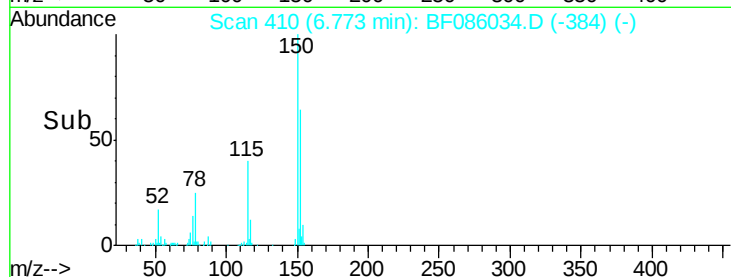
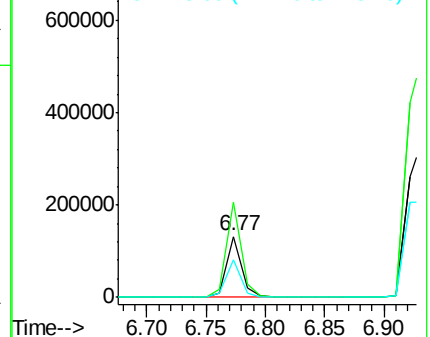
152 100

150 155.9 124.2 186.2

115 61.8 47.0 70.6



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: 137.36 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.02 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

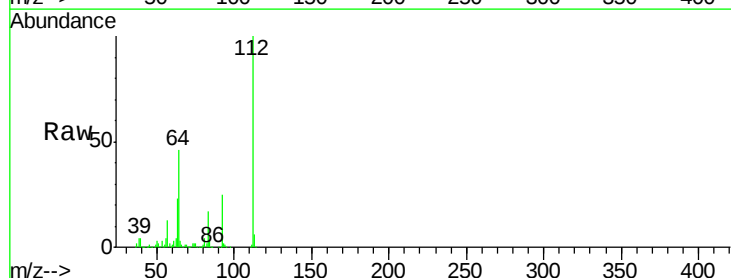
Tgt Ion:112 Resp: 921677

Ion Ratio Lower Upper

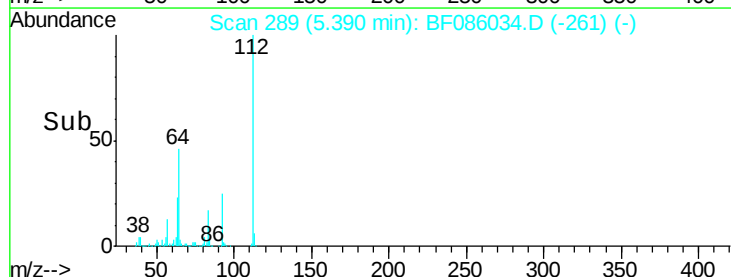
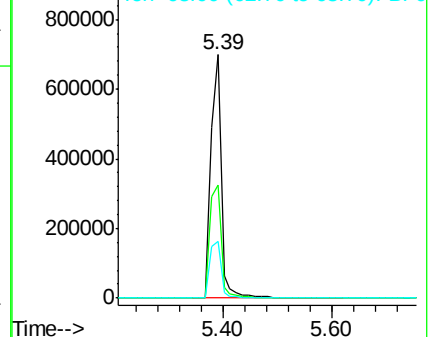
112 100

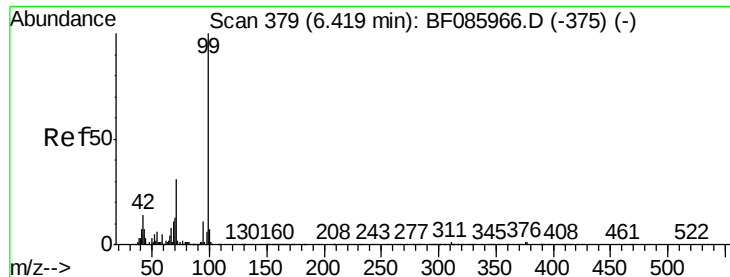
64 46.2 39.9 59.9

63 23.3 20.2 30.2



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: 109.38 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

GRID-17COMP

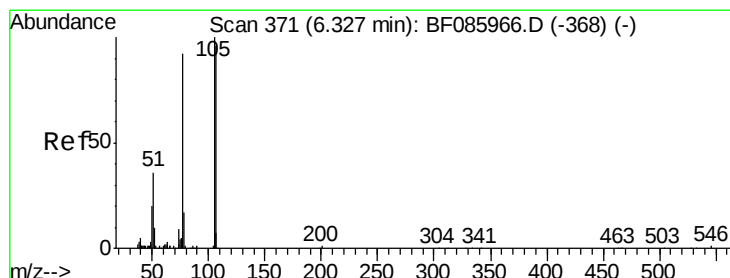
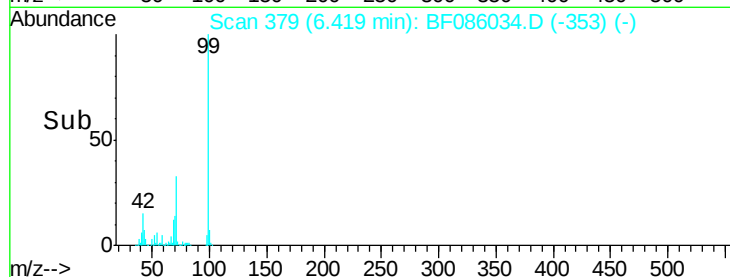
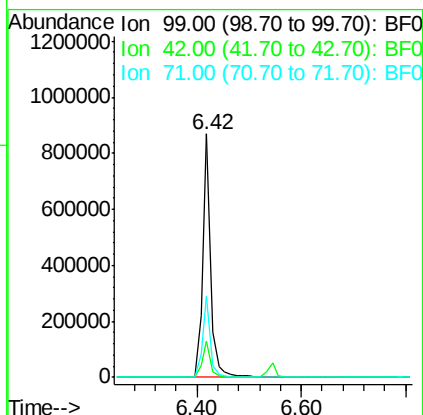
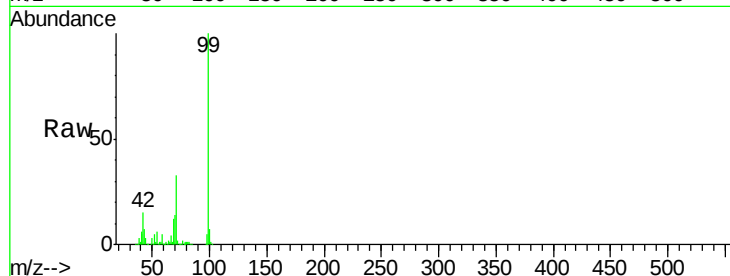
Tgt Ion: 99 Resp: 932216

Ion Ratio Lower Upper

99 100

42 15.1 11.1 16.7

71 33.1 24.9 37.3



#9

Benzaldehyde

Concen: 3.99 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.22 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

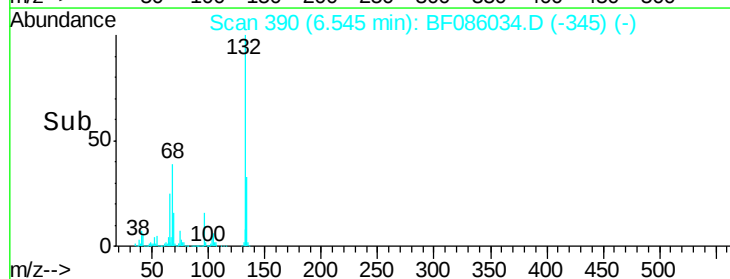
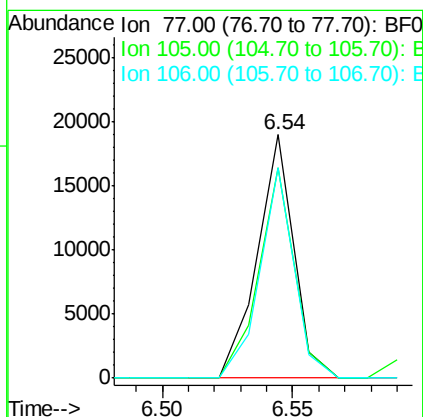
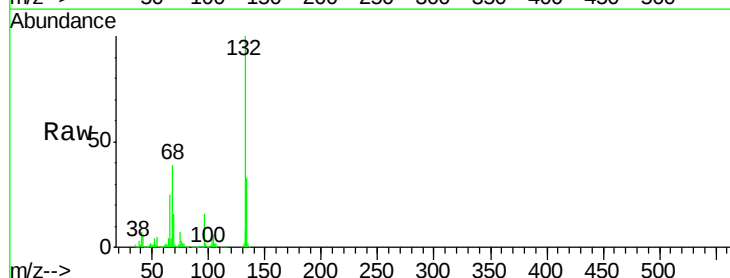
Tgt Ion: 77 Resp: 18320

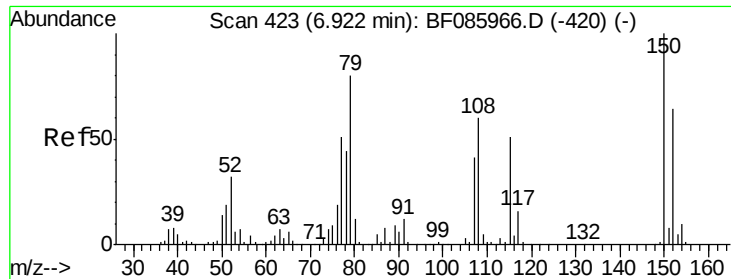
Ion Ratio Lower Upper

77 100

105 86.3 80.1 120.1

106 86.3 75.0 115.0

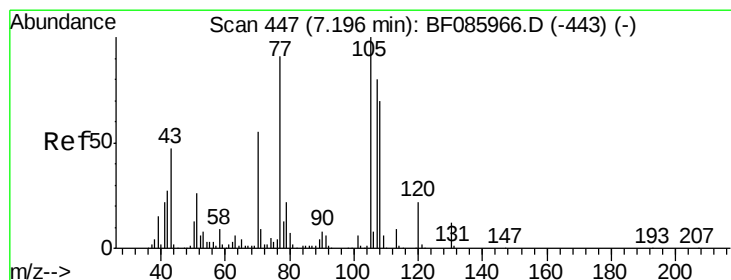
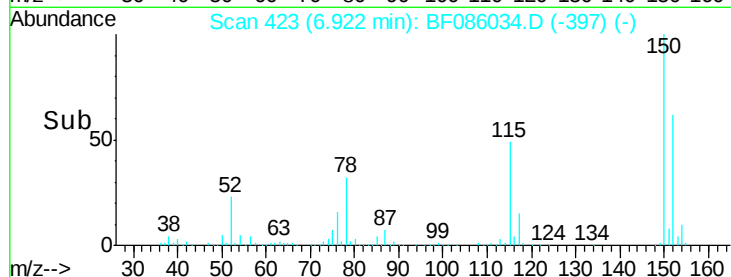
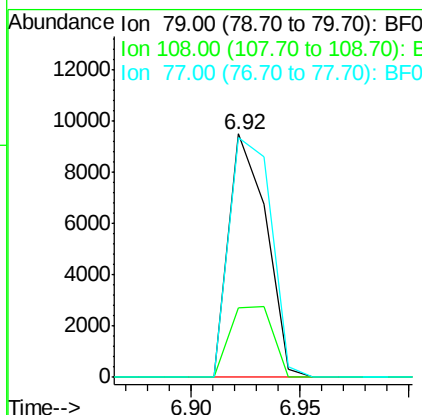
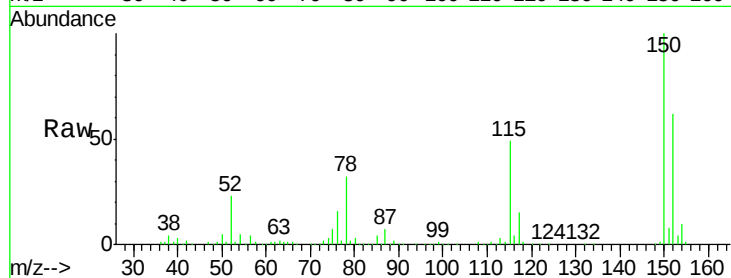




#15
Benzyl Alcohol
Concen: 2.06 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF086034.D
Acq: 3 Apr 2016 1:53

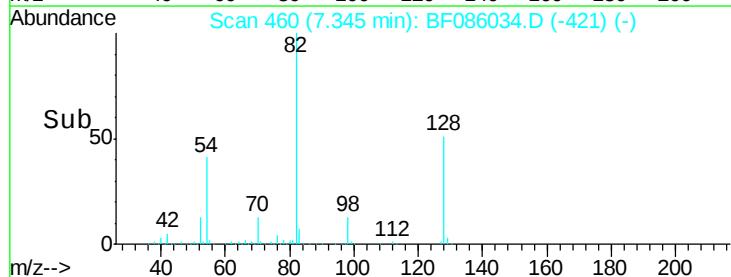
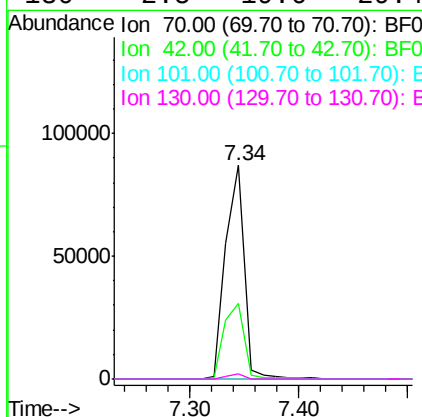
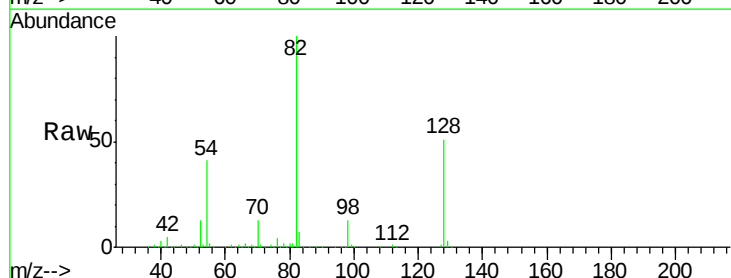
Instrument :
BNA_F
ClientSampleId :
GRID-17COMP

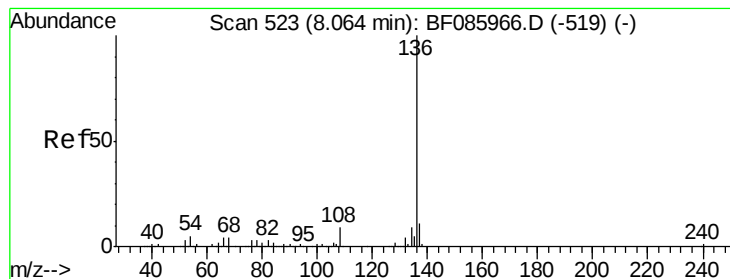
Tgt Ion: 79 Resp: 11354
Ion Ratio Lower Upper
79 100
108 28.8 61.8 92.6#
77 98.4 49.6 74.4#



#19
n-Nitroso-di-n-propylamine
Concen: 19.54 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.15 min
Lab File: BF086034.D
Acq: 3 Apr 2016 1:53

Tgt Ion: 70 Resp: 103204
Ion Ratio Lower Upper
70 100
42 35.7 37.1 55.7#
101 0.0 8.6 12.8#
130 2.5 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

GRID-17COMP

Tgt Ion:136 Resp: 444323

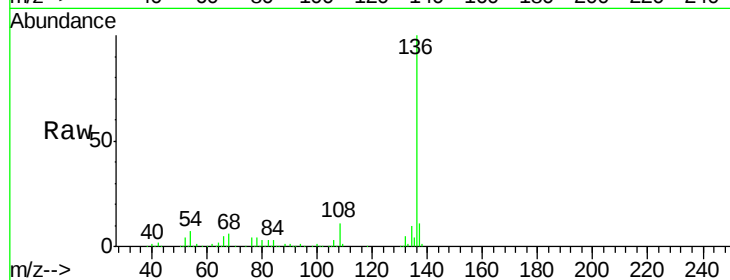
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.5 7.4 11.0

68 6.3 5.8 8.8

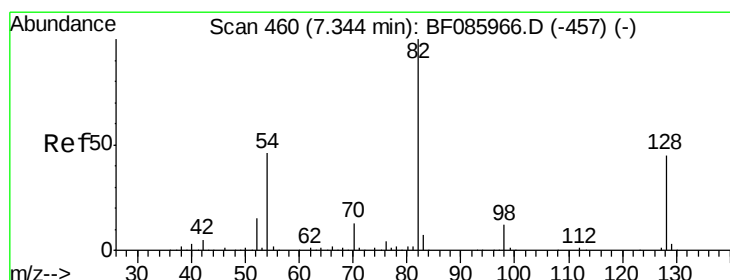
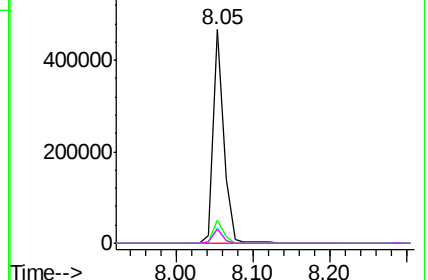
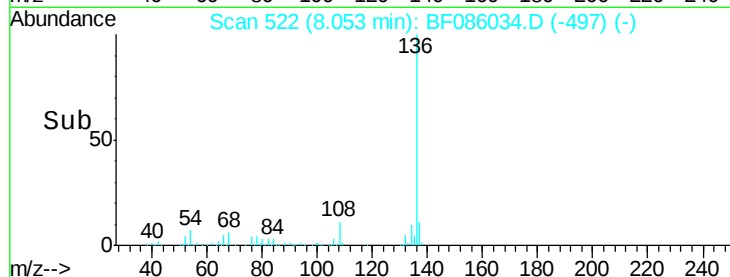


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.58 ng

RT: 7.34 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

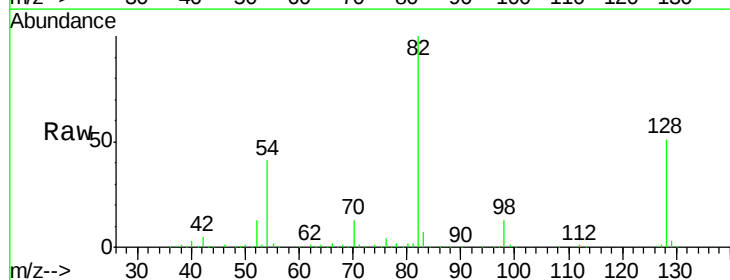
Tgt Ion: 82 Resp: 795498

Ion Ratio Lower Upper

82 100

128 50.9 41.8 62.8

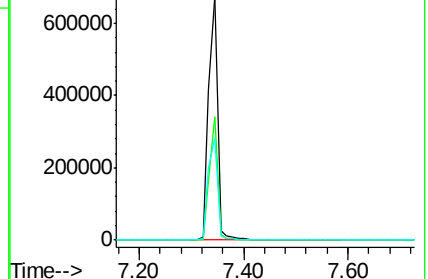
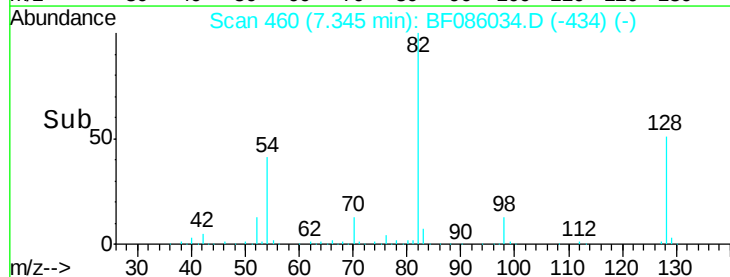
54 41.5 33.4 50.0

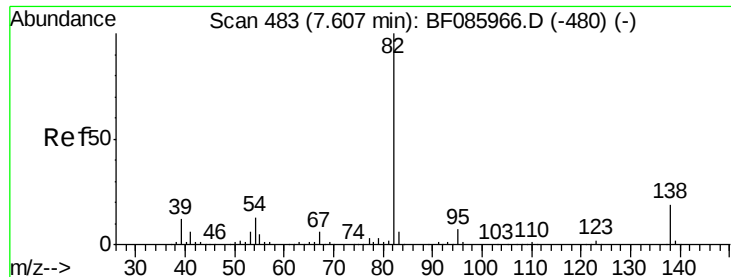


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 53.18 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.26 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

GRID-17COMP

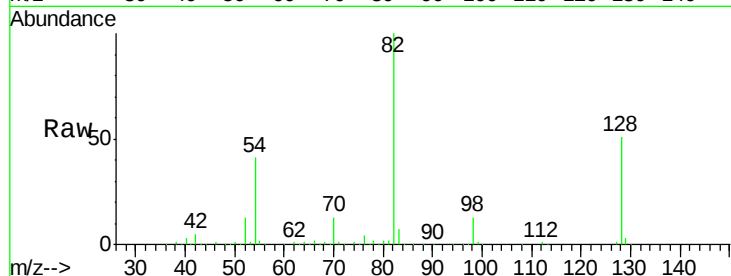
Tgt Ion: 82 Resp: 790874

Ion Ratio Lower Upper

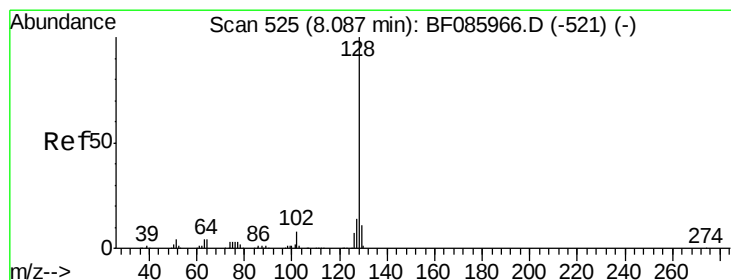
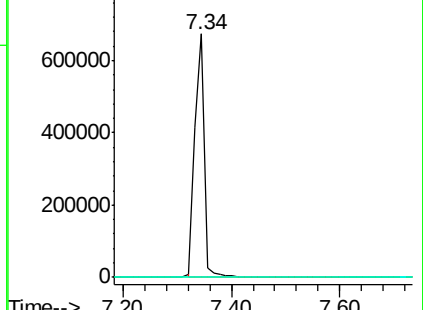
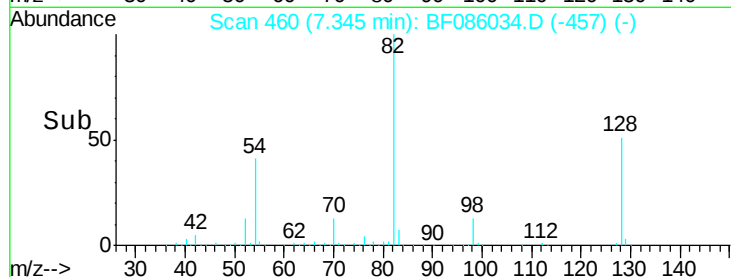
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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



#31

Naphthalene

Concen: 2.67 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

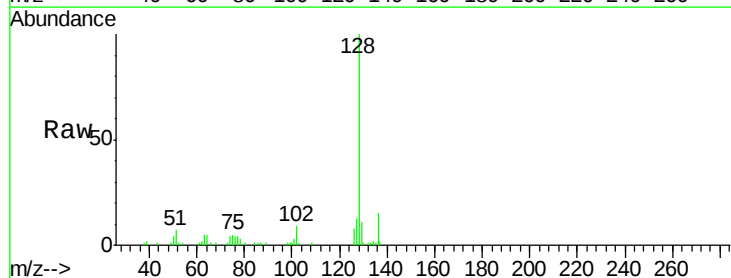
Tgt Ion: 128 Resp: 59760

Ion Ratio Lower Upper

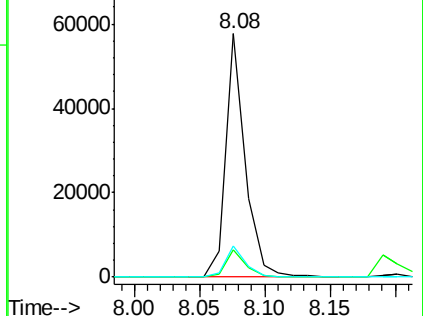
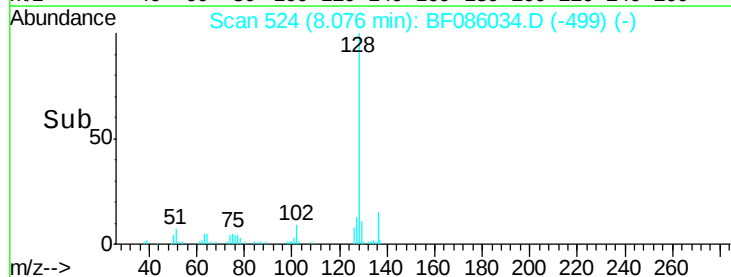
128 100

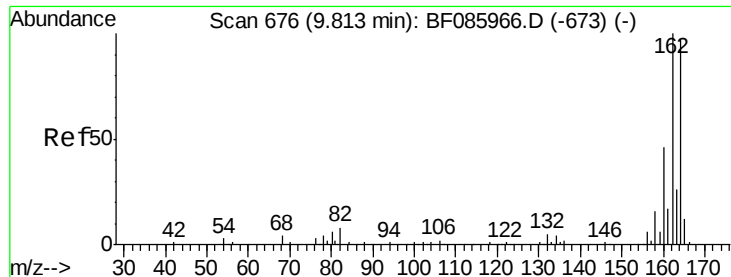
129 11.0 9.4 14.0

127 12.9 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

BNA_F

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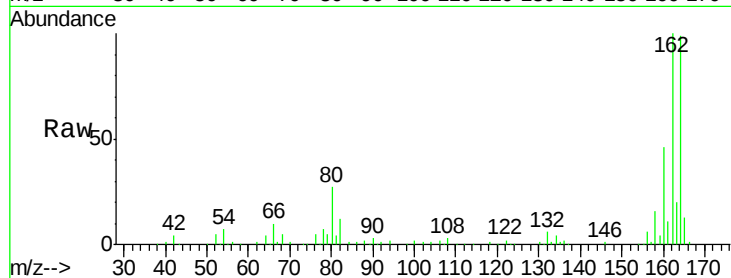
Tgt Ion:164 Resp: 195489

Ion Ratio Lower Upper

164 100

162 100.8 82.1 123.1

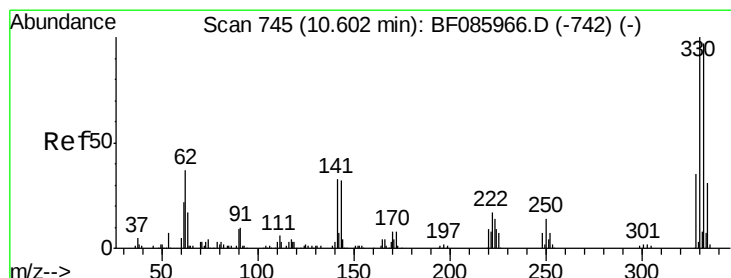
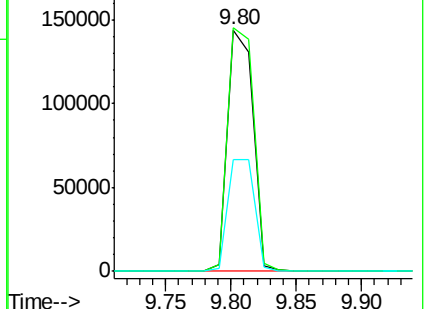
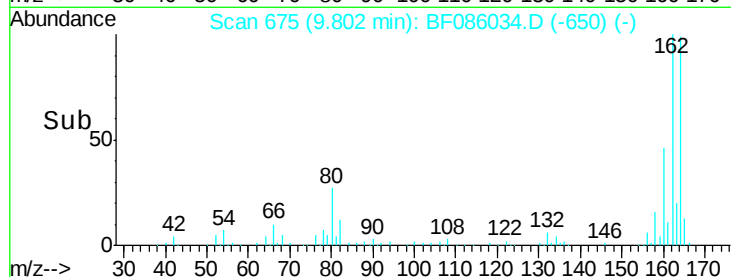
160 46.4 37.4 56.2



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: 174.77 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

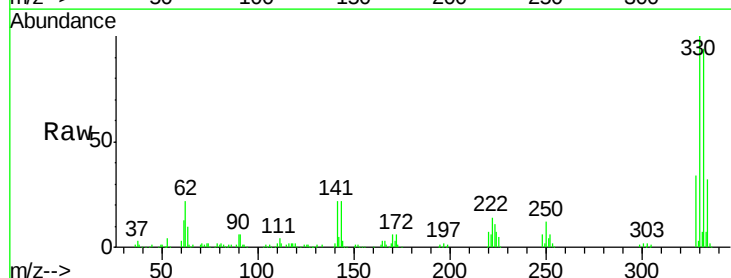
Tgt Ion:330 Resp: 320667

Ion Ratio Lower Upper

330 100

332 95.0 78.2 117.2

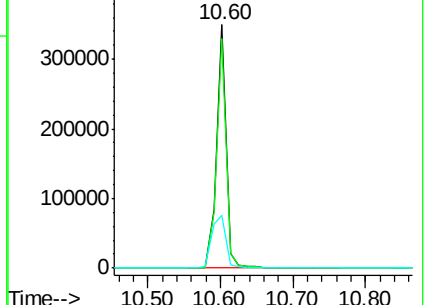
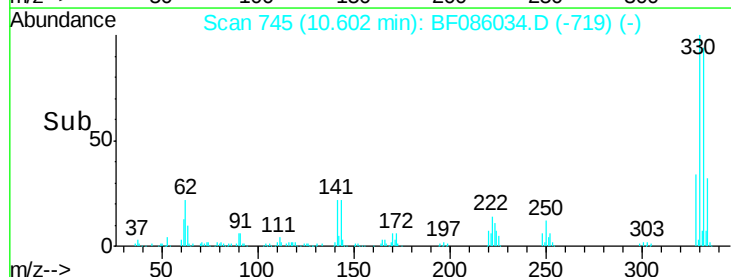
141 32.2 31.5 47.3

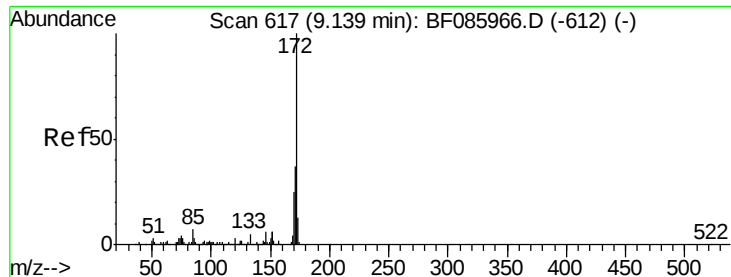


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 111.64 ng

RT: 9.14 min Scan# 617

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

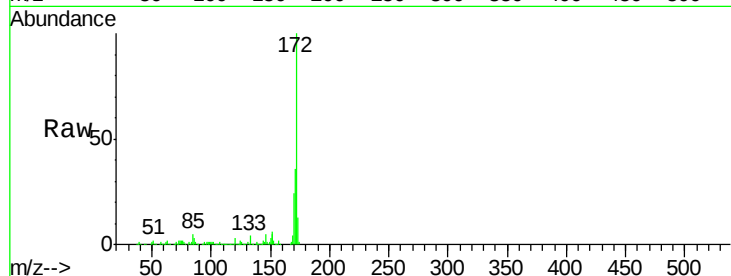
BNA_F

ClientSampleId :

GRID-17COMP

Tgt Ion:172 Resp: 1312577

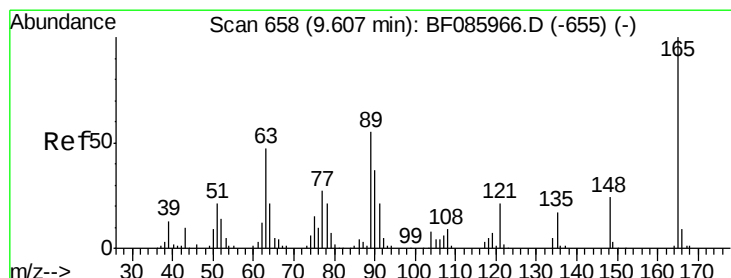
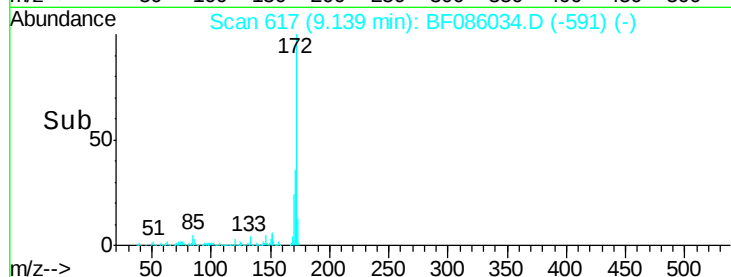
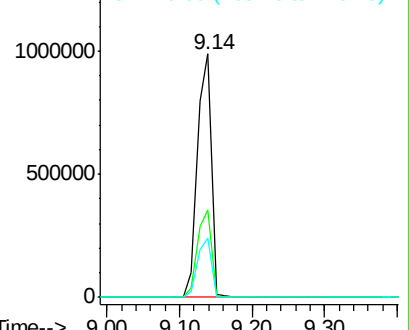
Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	24.2	19.8	29.6



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: 7.92 ng

RT: 9.80 min Scan# 675

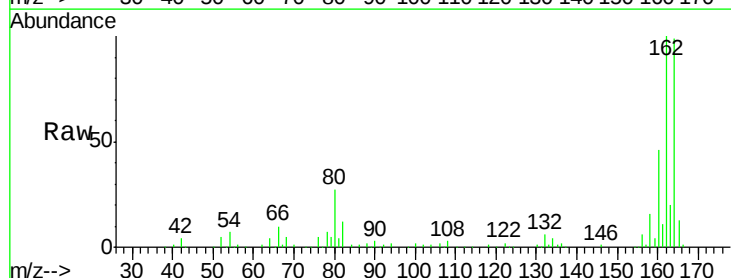
Delta R.T. 0.19 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Tgt Ion:165 Resp: 24286

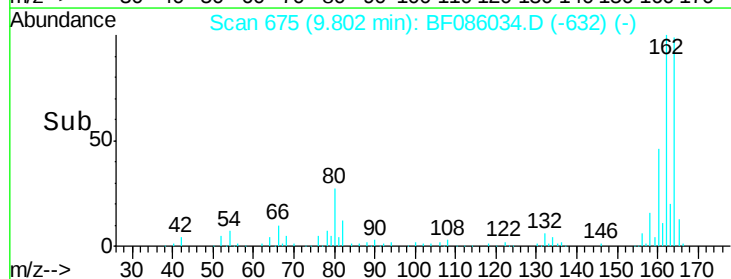
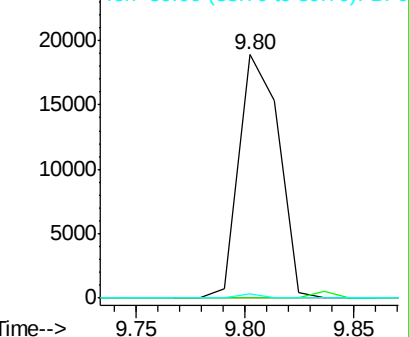
Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.8	77.8#
89	1.6	53.7	80.5#

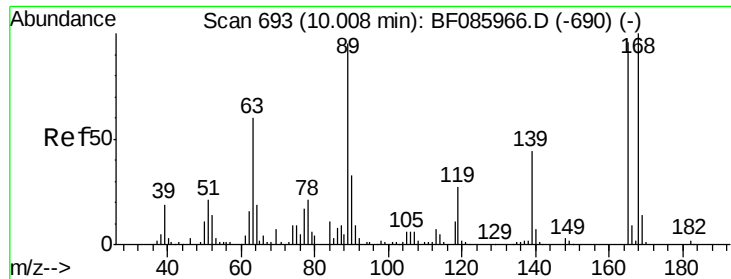


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

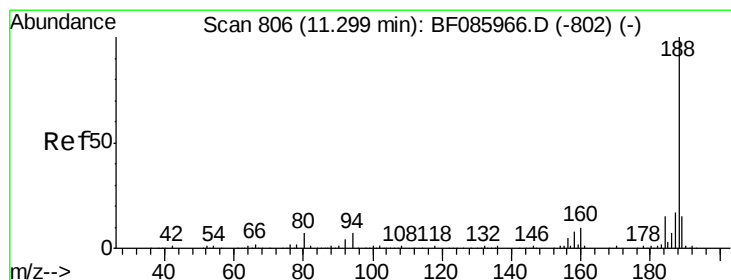
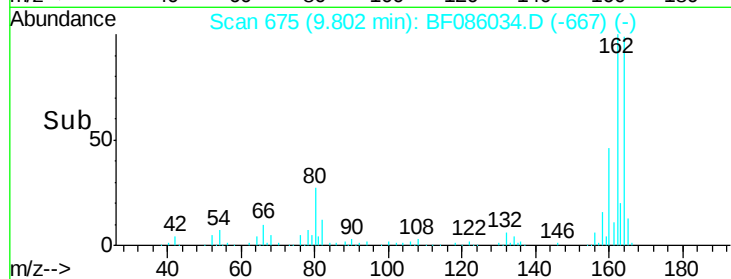
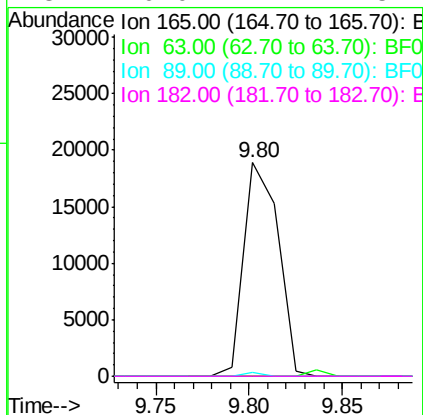
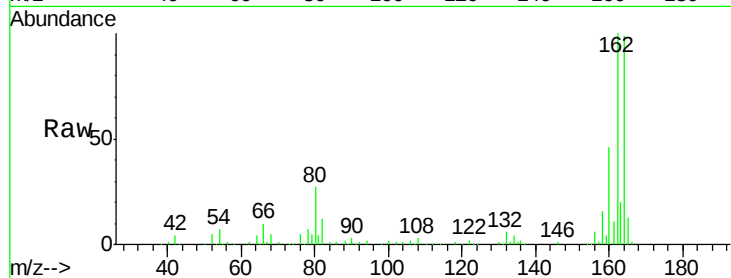




#56
 2,4-Dinitrotoluene
 Concen: 6.27 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF086034.D
 Acq: 3 Apr 2016 1:53

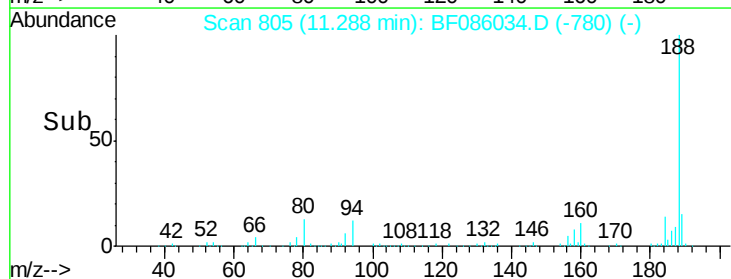
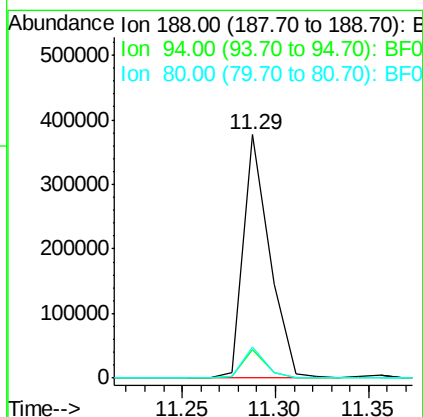
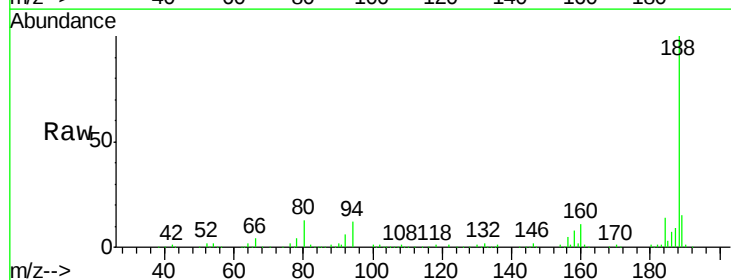
Instrument :
 BNA_F
 ClientSampleId :
 GRID-17COMP

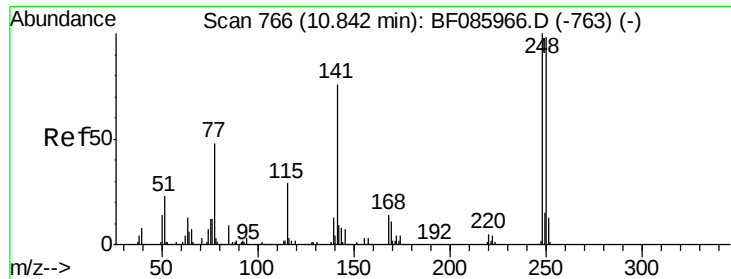
Tgt Ion:	165	Resp:	24287
Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.9	37.3#
89	1.6	41.0	61.6#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF086034.D
 Acq: 3 Apr 2016 1:53

Tgt Ion:	188	Resp:	370426
Ion	Ratio	Lower	Upper
188	100		
94	11.9	5.4	8.0#
80	12.8	5.5	8.3#





#66

4-Bromophenyl-phenylether

Concen: 5.56 ng

RT: 10.60 min Scan# 745

Delta R.T. -0.24 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

Instrument :

BNA_F

ClientSampleId :

GRID-17COMP

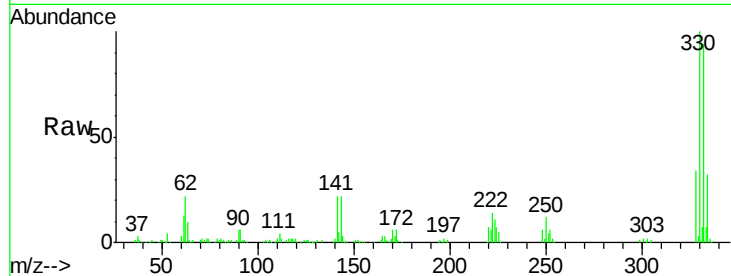
Tgt Ion:248 Resp: 21029

Ion Ratio Lower Upper

248 100

250 192.1 77.4 116.0#

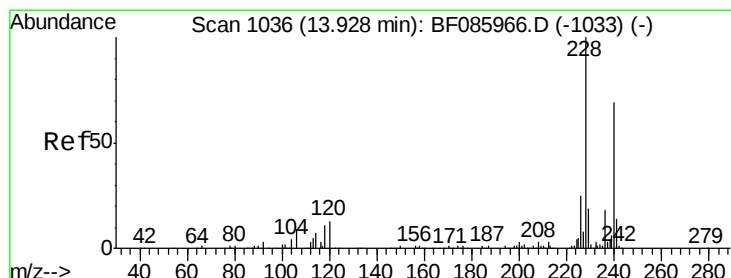
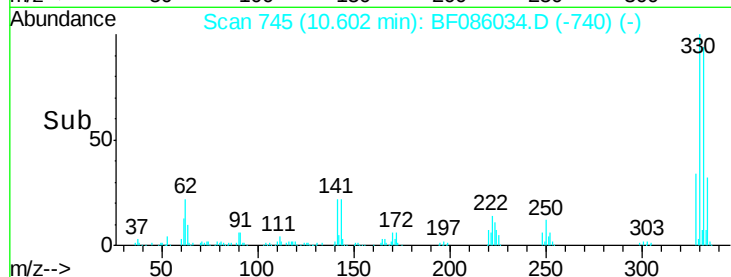
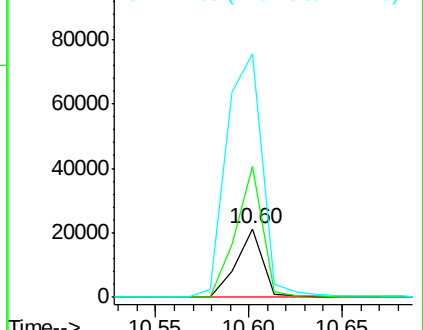
141 355.9 63.6 95.4#



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: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF086034.D

Acq: 3 Apr 2016 1:53

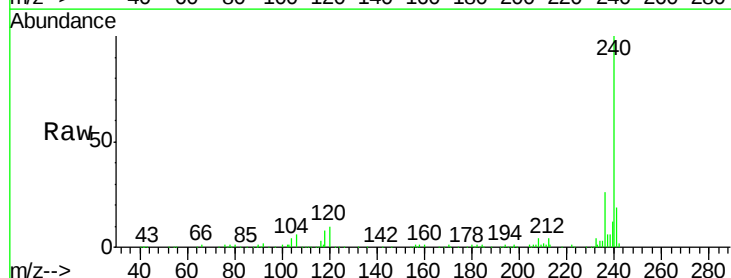
Tgt Ion:240 Resp: 248169

Ion Ratio Lower Upper

240 100

120 9.9 13.8 20.8#

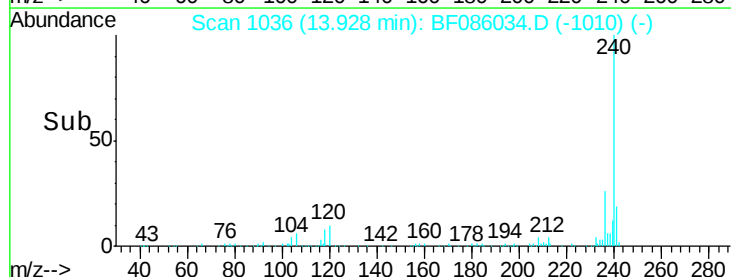
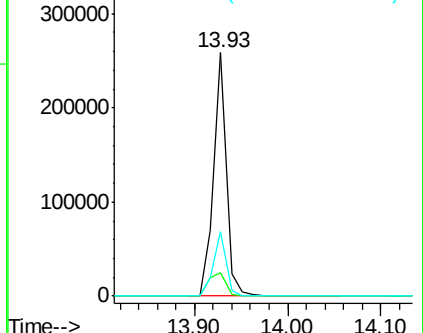
236 26.4 20.6 30.8

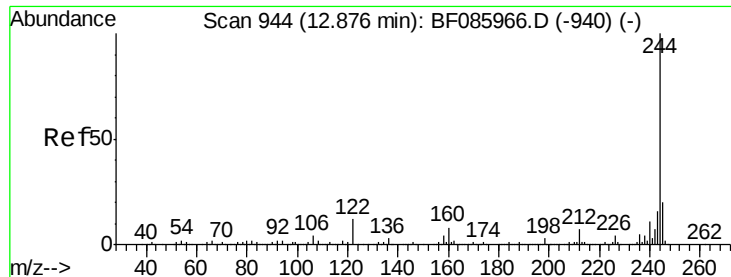


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

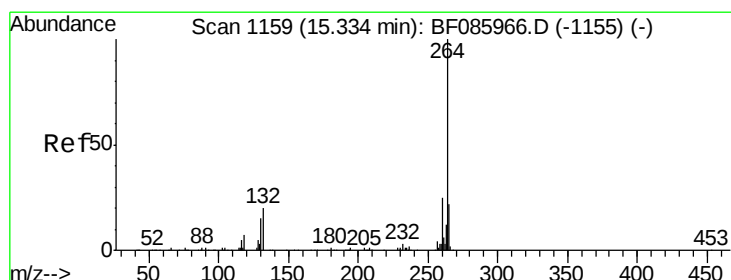
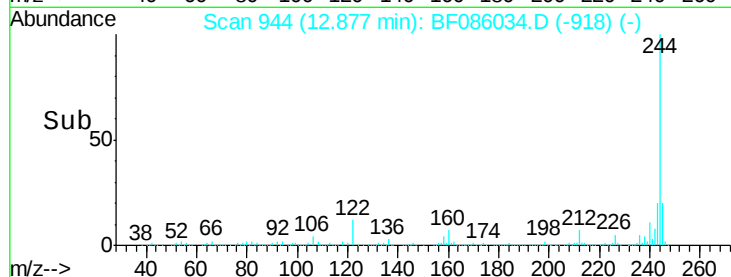
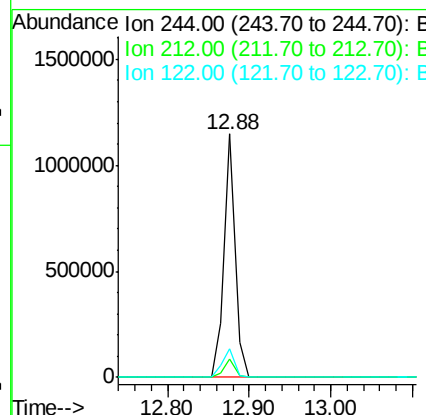
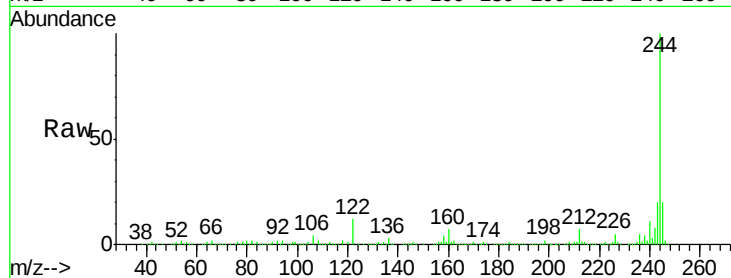




#78
 Terphenyl-d14
 Concen: 102.97 ng
 RT: 12.88 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: BF086034.D
 Acq: 3 Apr 2016 1:53

Instrument :
 BNA_F
 ClientSampleId :
 GRID-17COMP

Tgt Ion:244 Resp: 1087136
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 11.5 10.2 15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BF086034.D
 Acq: 3 Apr 2016 1:53

Tgt Ion:264 Resp: 210079
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.2
 265 21.2 17.2 25.8

