

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011216\
 Data File : BF084437.D
 Acq On : 13 Jan 2016 4:14
 Operator : SJ/UM
 Sample : H1078-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB2

Quant Time: Jan 13 04:52:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	266367	20.00	ng	-0.06
21) Naphthalene-d8	8.12	136	1005579	20.00	ng	-0.07
38) Acenaphthene-d10	9.88	164	492005	20.00	ng	-0.07
63) Phenanthrene-d10	11.37	188	876500	20.00	ng	-0.06
75) Chrysene-d12	14.00	240	539642	20.00	ng	-0.07
86) Perylene-d12	15.43	264	479105	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	977639	59.37	ng	-0.04
7) Phenol-d6	6.49	99	795123	38.44	ng	-0.05
23) Nitrobenzene-d5	7.41	82	1726850	95.57	ng	-0.06
41) 2,4,6-Tribromophenol	10.67	330	550544	110.84	ng	-0.07
44) 2-Fluorobiphenyl	9.21	172	2389378	85.47	ng	-0.06
78) Terphenyl-d14	12.96	244	2201028	91.04	ng	-0.06

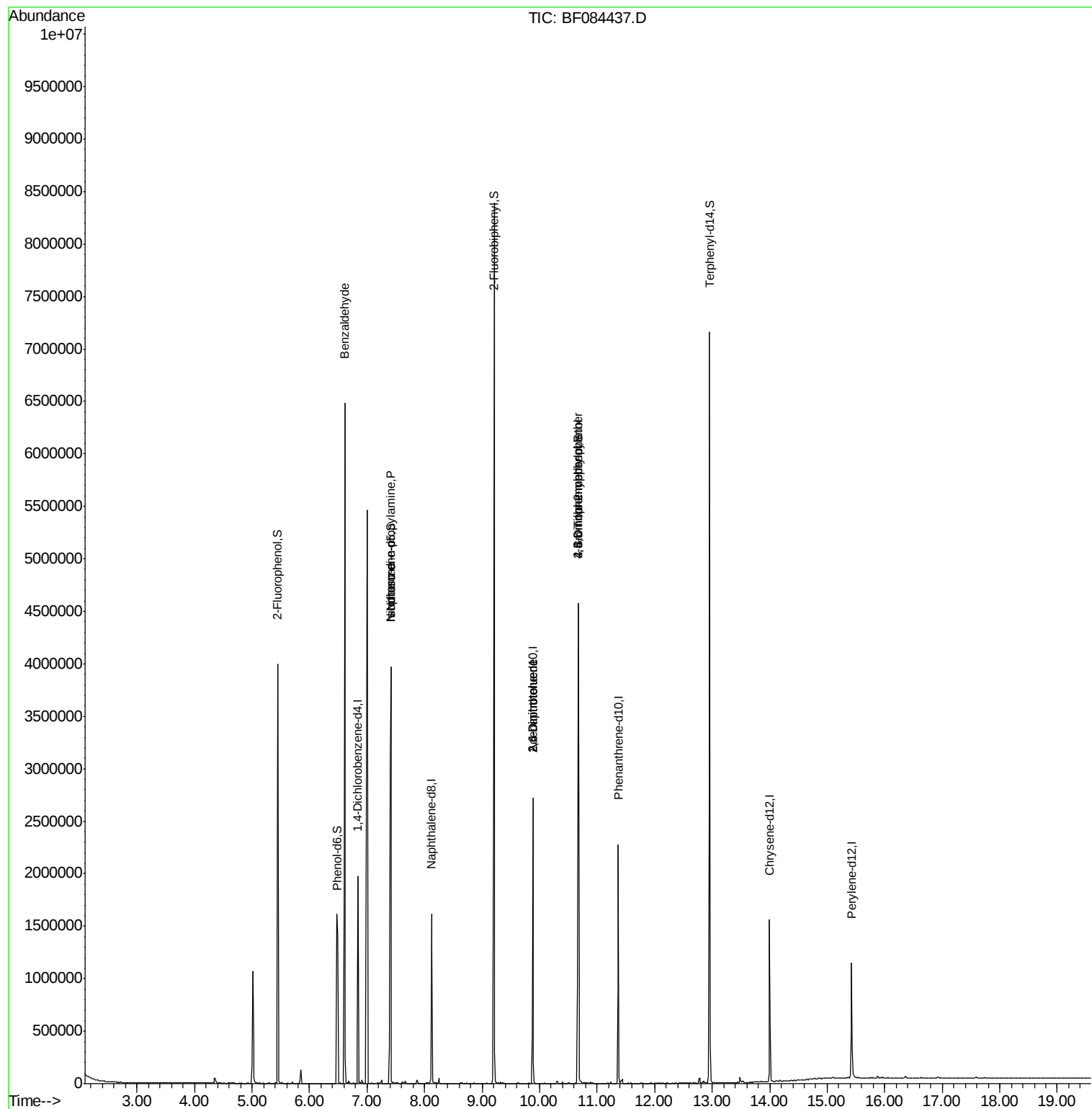
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	40741	3.03	ng	# 73
19) n-Nitroso-di-n-propylamine	7.41	70	232503	16.61	ng	# 77
25) Isophorone	7.41	82	1645591	47.62	ng	# 66
50) 2,6-Dinitrotoluene	9.88	165	63563	8.24	ng	# 37
54) Dibenzofuran	10.09	168	1077	Below Cal		# 83
56) 2,4-Dinitrotoluene	9.88	165	63566	6.51	ng	# 21
57) Fluorene	10.67	166	23996	Below Cal		# 80
64) 4,6-Dinitro-2-methylphenol	10.67	198	963	6.56	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	32897	3.49	ng	# 1
73) Di-n-butylphthalate	11.93	149	3247	Below Cal		# 79

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

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.06 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

FB2

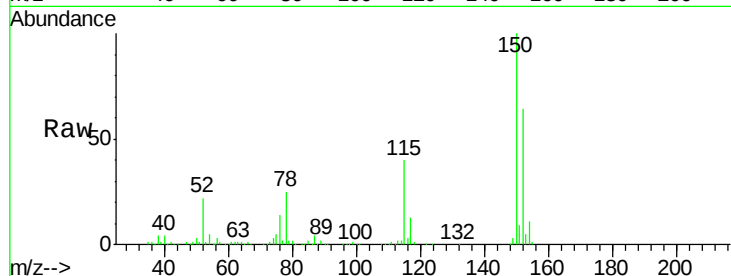
Tgt Ion:152 Resp: 266367

Ion Ratio Lower Upper

152 100

150 156.1 123.0 184.4

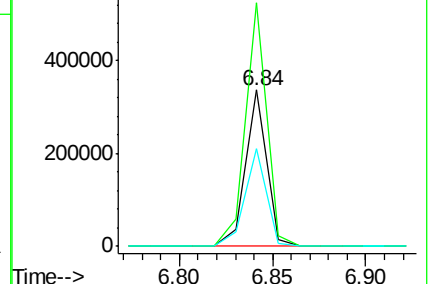
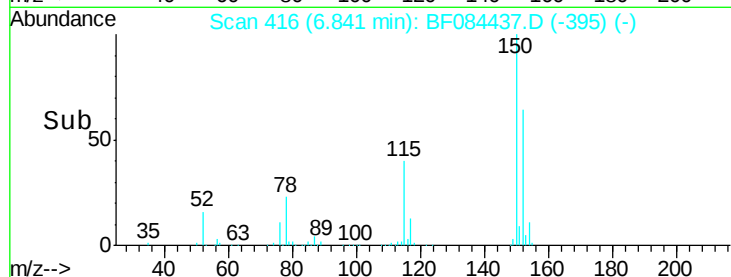
115 62.9 51.4 77.2



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: 59.37 ng

RT: 5.45 min Scan# 294

Delta R.T. -0.04 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

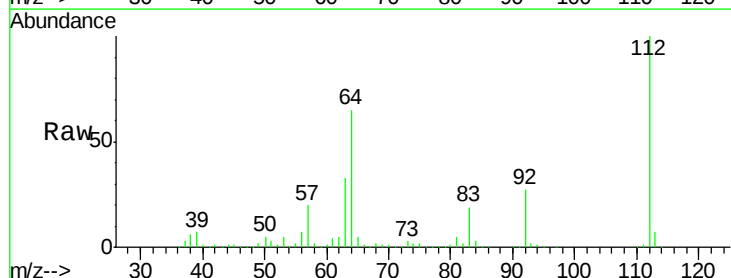
Tgt Ion:112 Resp: 977639

Ion Ratio Lower Upper

112 100

64 65.5 36.6 55.0#

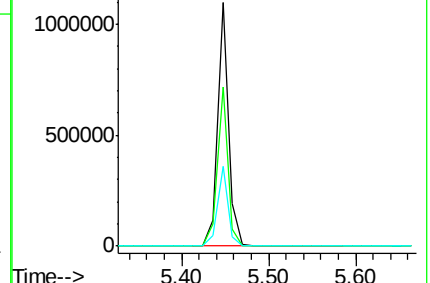
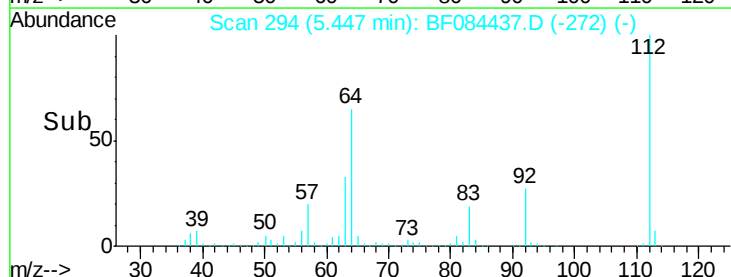
63 32.7 19.4 29.0#



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: 38.44 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.05 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

FB2

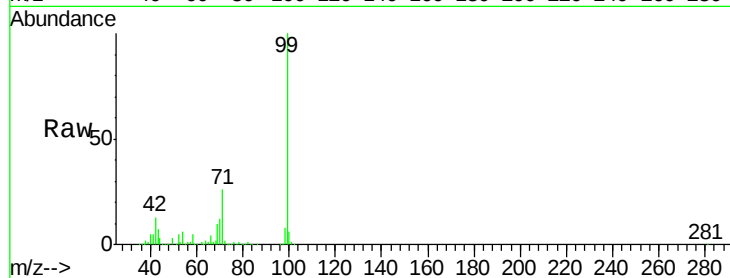
Tgt Ion: 99 Resp: 795123

Ion Ratio Lower Upper

99 100

42 12.5 12.8 19.2#

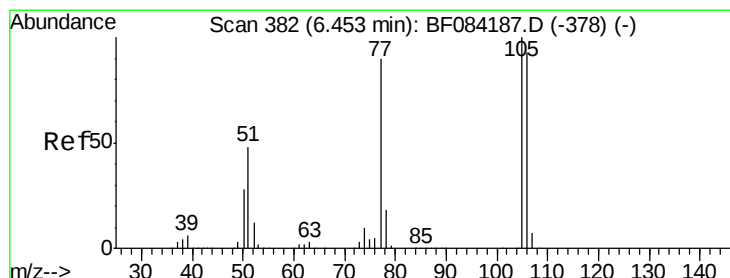
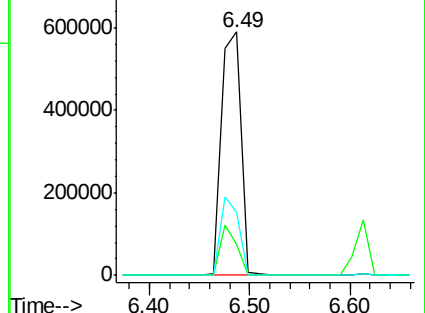
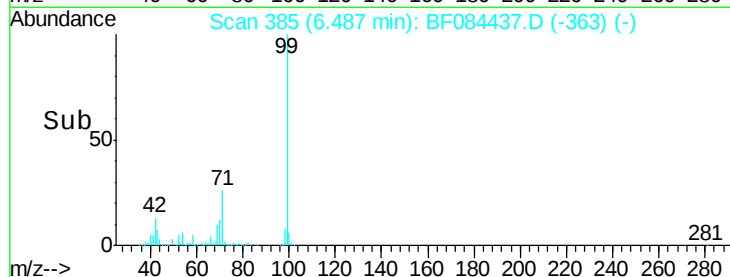
71 26.0 30.9 46.3#



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



#9

Benzaldehyde

Concen: 3.03 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.16 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

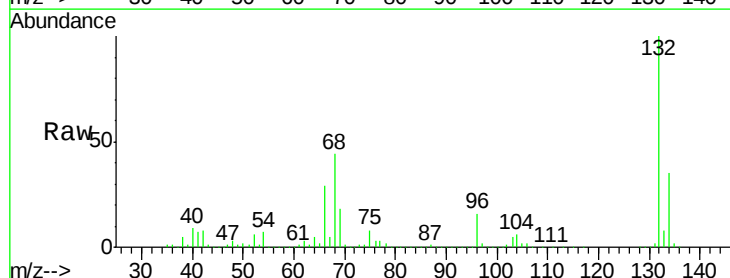
Tgt Ion: 77 Resp: 40741

Ion Ratio Lower Upper

77 100

105 76.6 83.0 123.0#

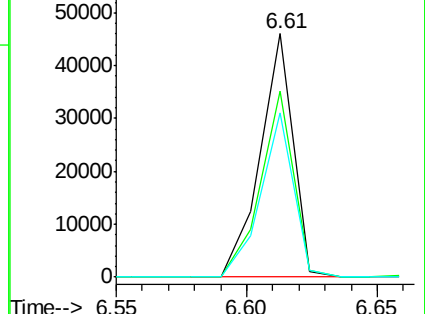
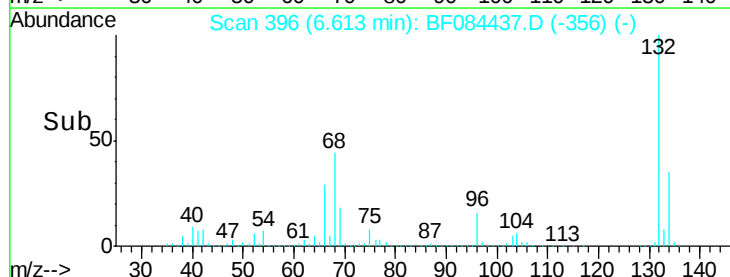
106 67.4 74.6 114.6#

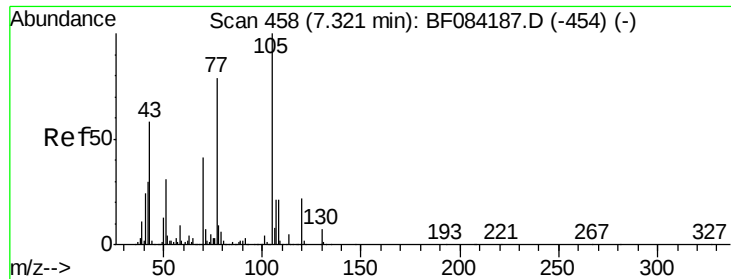


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

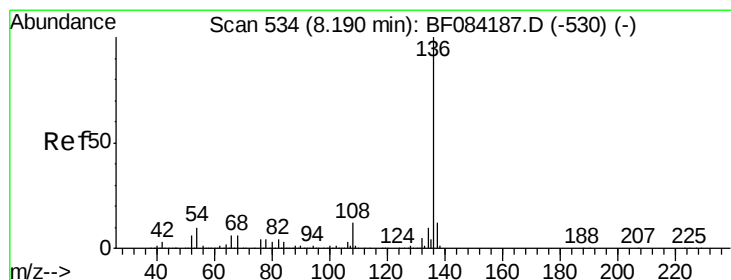
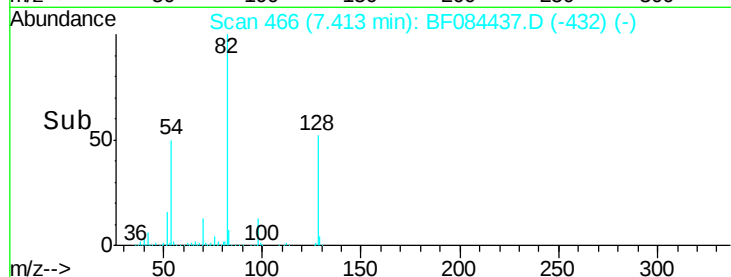
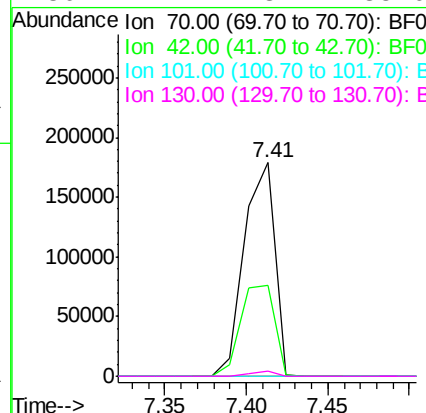
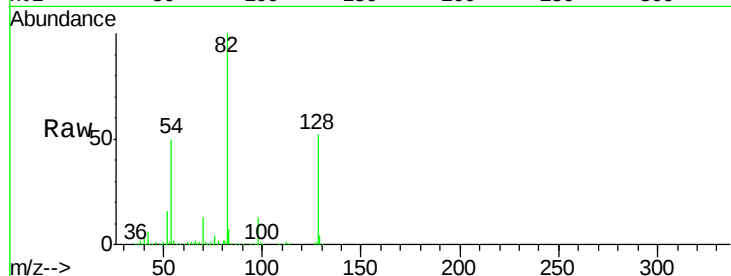




#19
n-Nitroso-di-n-propylamine
Concen: 16.61 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.09 min
Lab File: BF084437.D
Acq: 13 Jan 2016 4:14

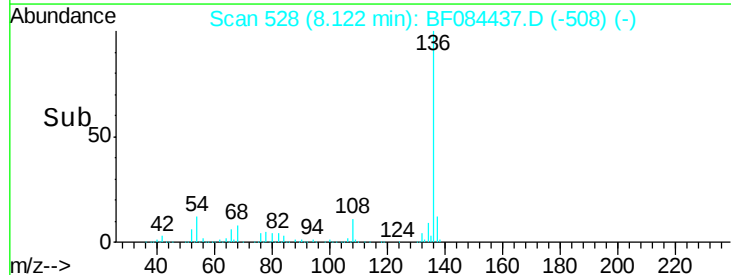
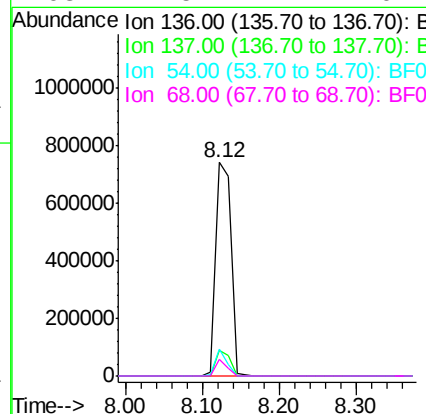
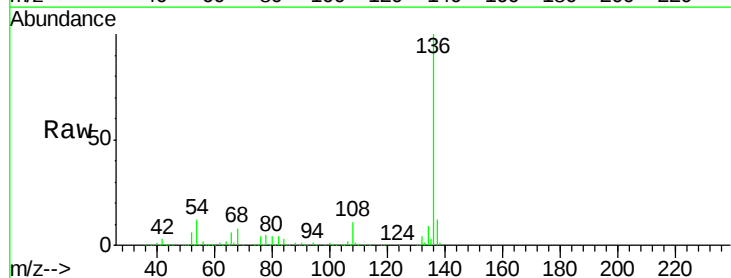
Instrument :
BNA_F
ClientSampleId :
FB2

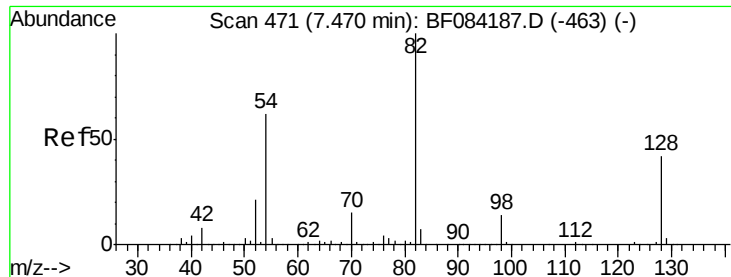
Tgt Ion: 70 Resp: 232503
Ion Ratio Lower Upper
70 100
42 42.6 33.3 49.9
101 0.0 9.3 13.9#
130 2.4 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.07 min
Lab File: BF084437.D
Acq: 13 Jan 2016 4:14

Tgt Ion: 136 Resp: 1005579
Ion Ratio Lower Upper
136 100
137 12.0 8.7 13.1
54 12.4 5.8 8.8#
68 7.5 4.2 6.2#

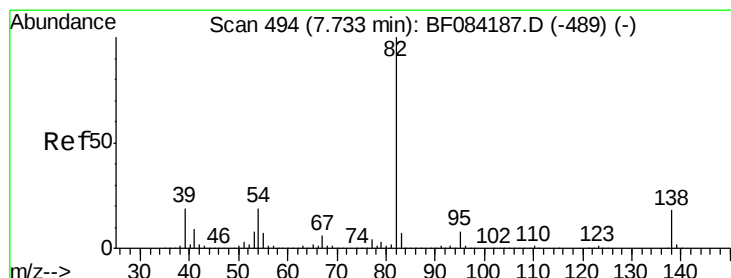
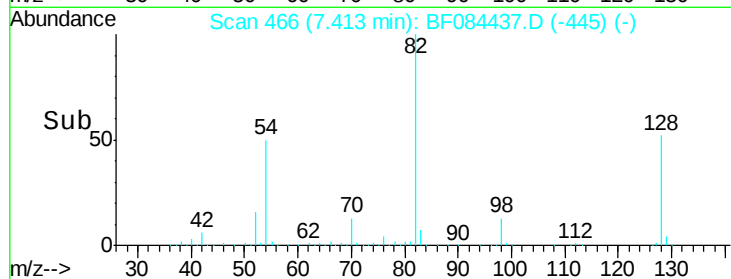
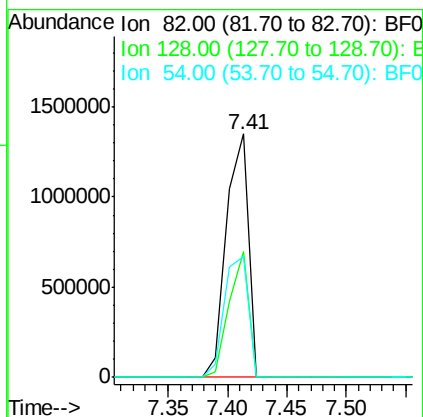
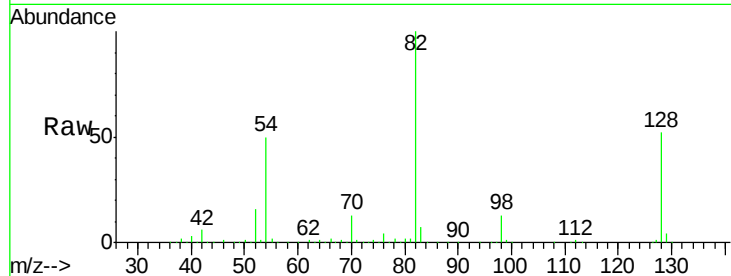




#23
 Nitrobenzene-d5
 Concen: 95.57 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.06 min
 Lab File: BF084437.D
 Acq: 13 Jan 2016 4:14

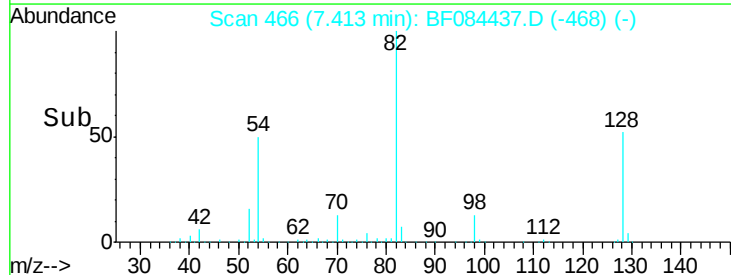
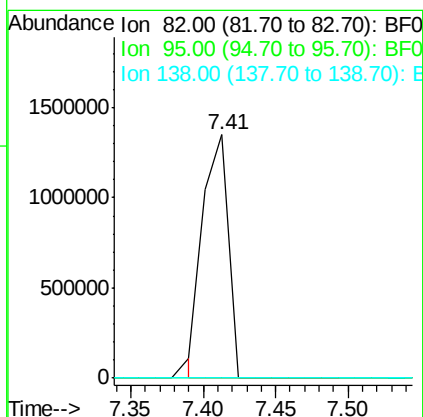
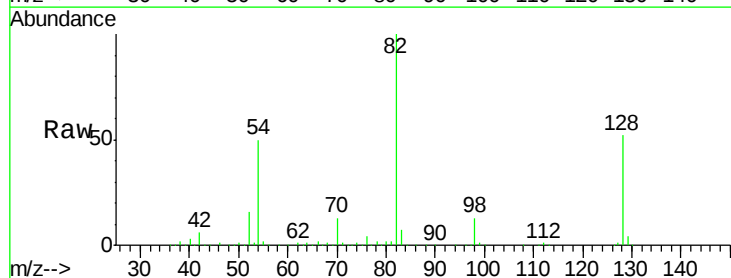
Instrument :
 BNA_F
 ClientSampleID :
 FB2

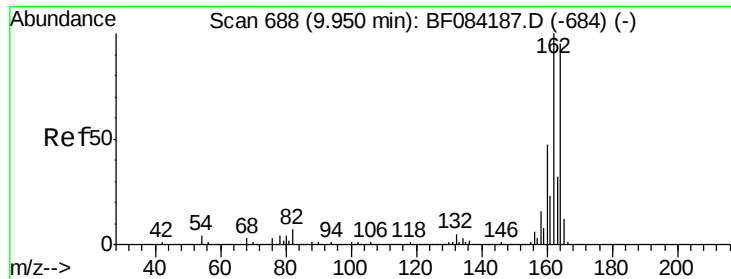
Tgt Ion: 82 Resp: 1726850
 Ion Ratio Lower Upper
 82 100
 128 51.7 34.6 51.8
 54 49.6 38.4 57.6



#25
 Isophorone
 Concen: 47.62 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.32 min
 Lab File: BF084437.D
 Acq: 13 Jan 2016 4:14

Tgt Ion: 82 Resp: 1645591
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 10.0#
 138 0.0 13.6 20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.07 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

FB2

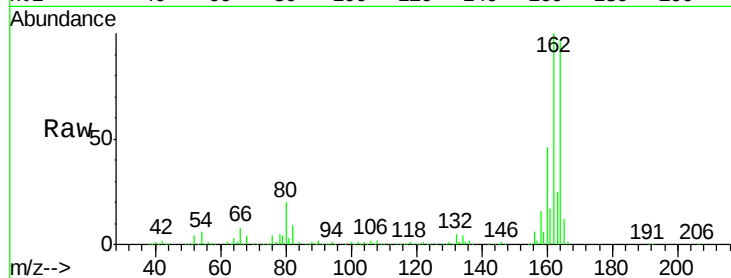
Tgt Ion:164 Resp: 492005

Ion Ratio Lower Upper

164 100

162 103.1 85.1 127.7

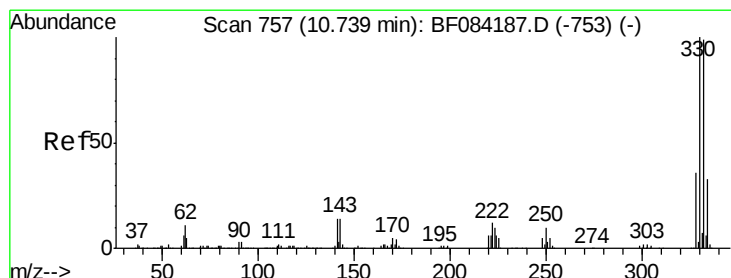
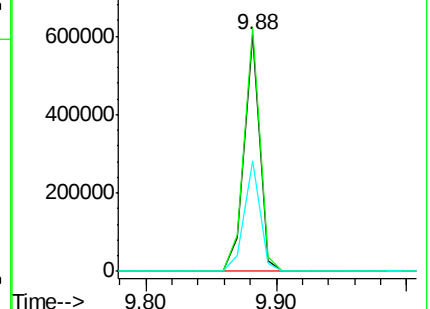
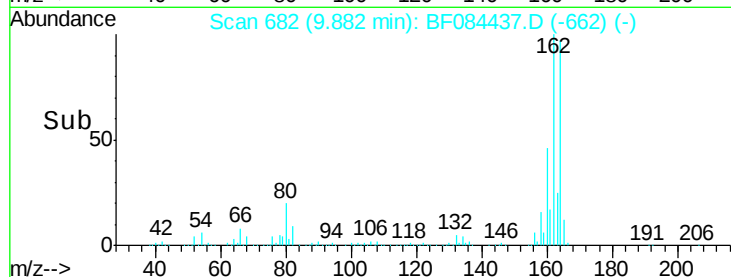
160 47.0 37.5 56.3



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: 110.84 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.07 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

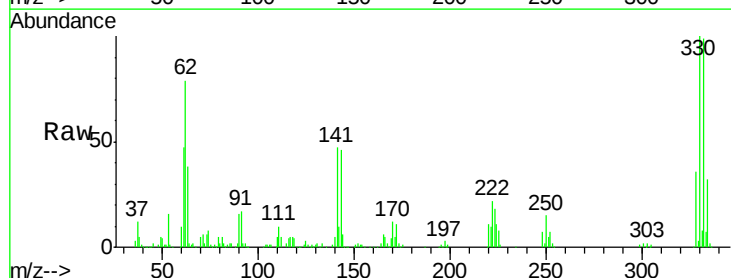
Tgt Ion:330 Resp: 550544

Ion Ratio Lower Upper

330 100

332 98.3 76.6 114.8

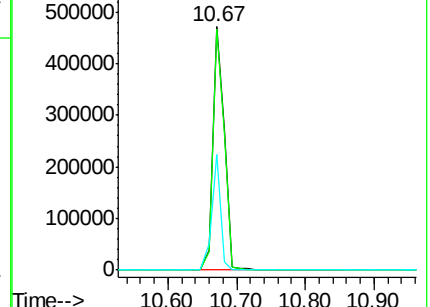
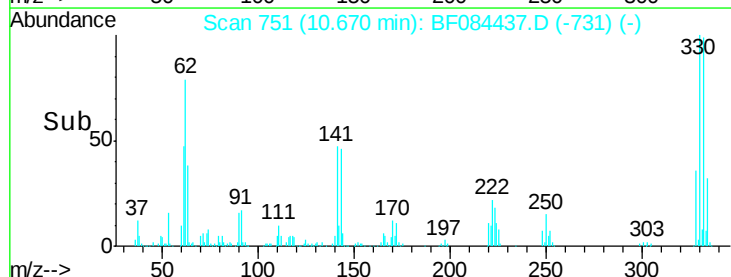
141 36.8 27.8 41.6

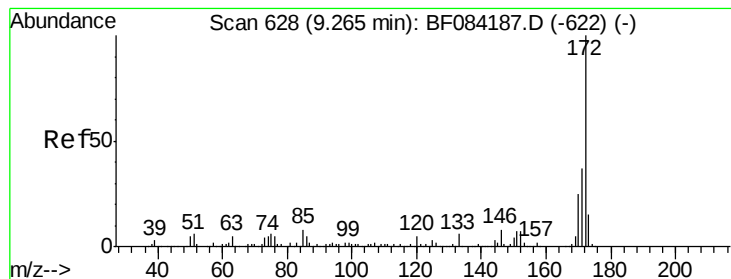


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.47 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.06 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

FB2

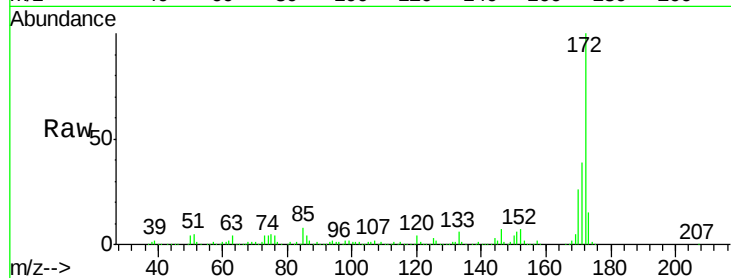
Tgt Ion:172 Resp: 2389378

Ion Ratio Lower Upper

172 100

171 38.9 28.9 43.3

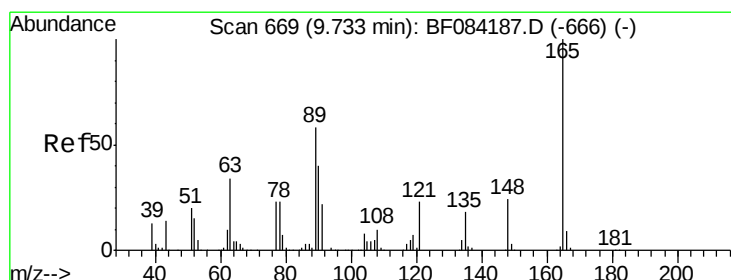
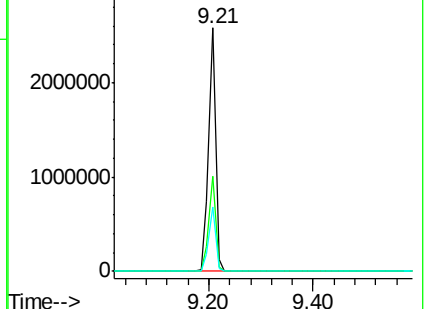
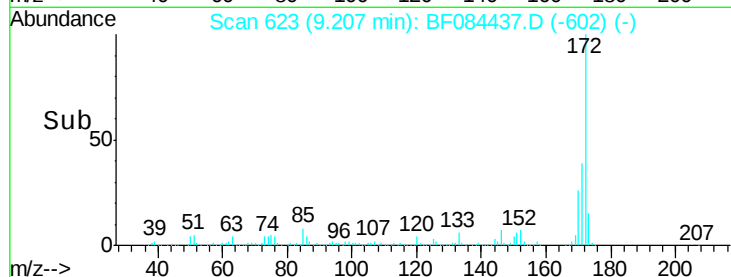
170 26.4 18.6 27.8



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: 8.24 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.15 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

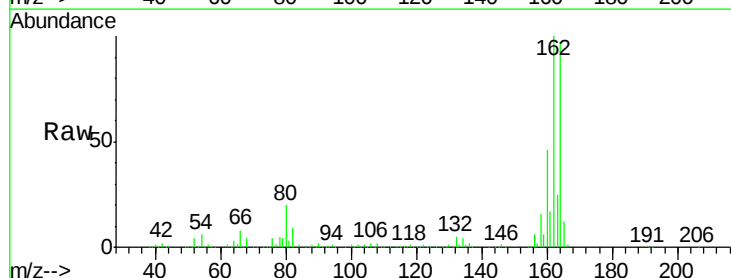
Tgt Ion:165 Resp: 63563

Ion Ratio Lower Upper

165 100

63 1.2 28.8 43.2#

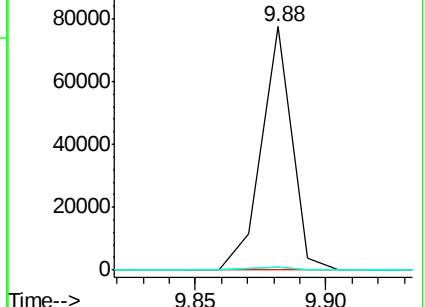
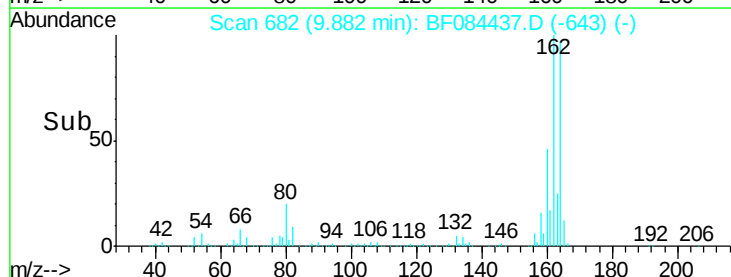
89 1.3 35.1 52.7#

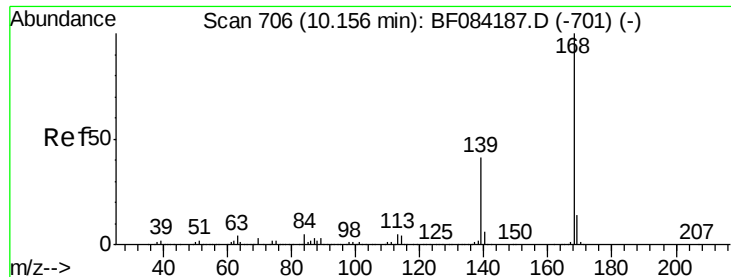


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#54

Dibenzofuran

Concen: Below Cal

RT: 10.09 min Scan# 700

Delta R.T. -0.07 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

FB2

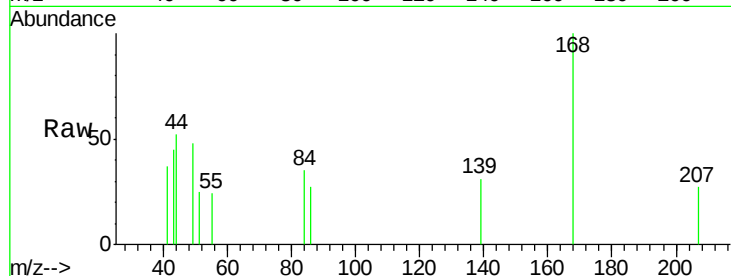
Tgt Ion:168 Resp: 1077

Ion Ratio Lower Upper

168 100

139 31.1 30.5 45.7

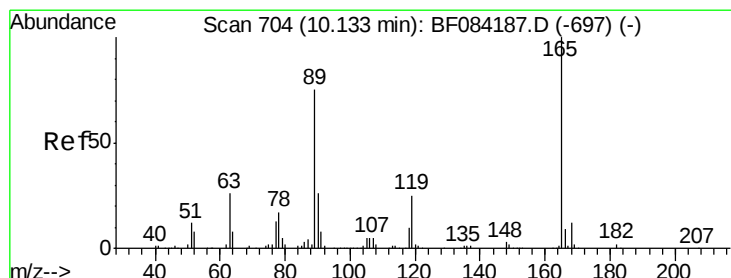
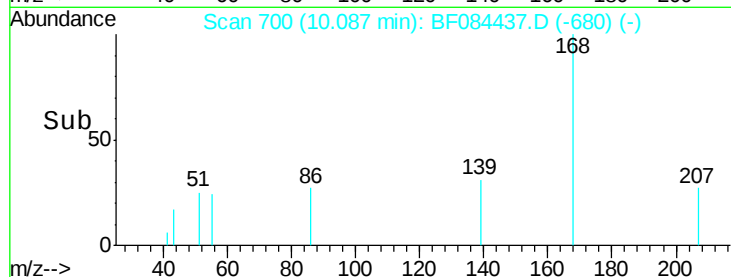
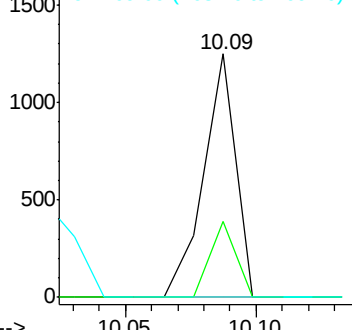
169 0.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.51 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.25 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

Tgt Ion:165 Resp: 63566

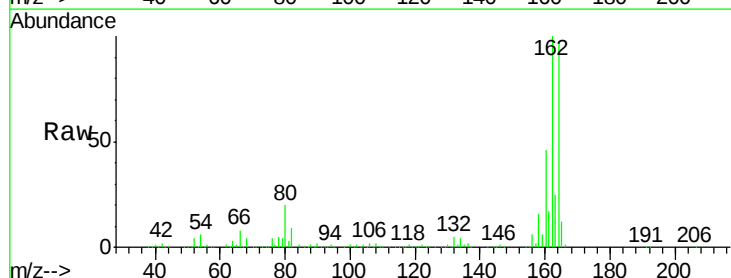
Ion Ratio Lower Upper

165 100

63 1.2 36.7 55.1#

89 1.3 61.9 92.9#

182 0.0 2.0 3.0#

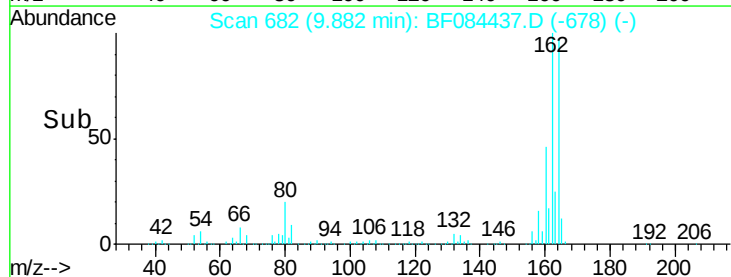
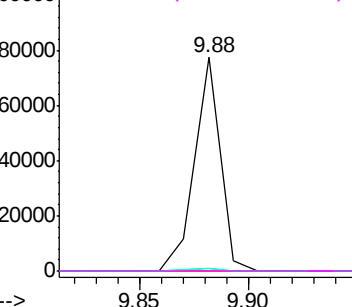


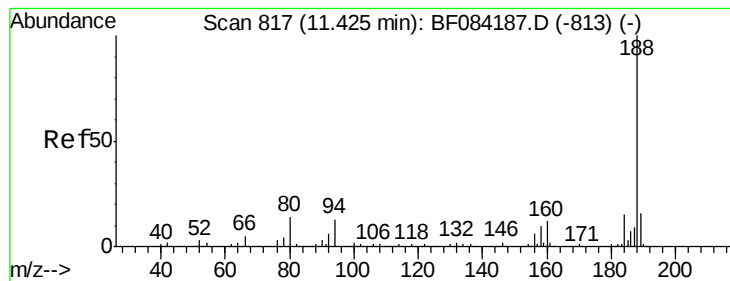
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.06 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

Instrument :

BNA_F

ClientSampleId :

FB2

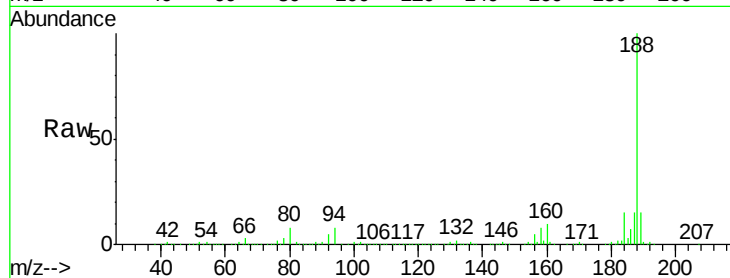
Tgt Ion:188 Resp: 876500

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.4#

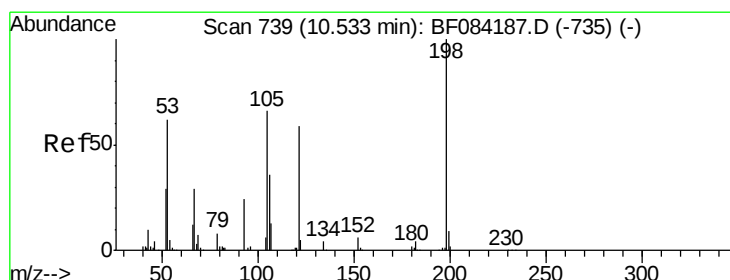
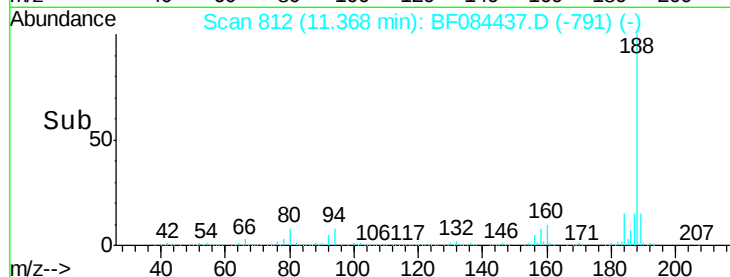
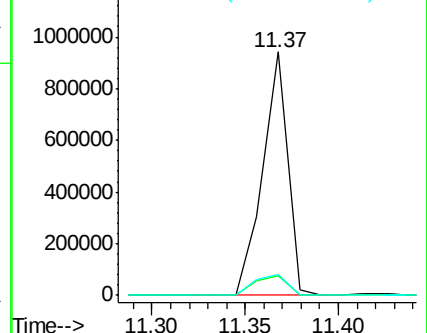
80 8.4 9.6 14.4#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.56 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.14 min

Lab File: BF084437.D

Acq: 13 Jan 2016 4:14

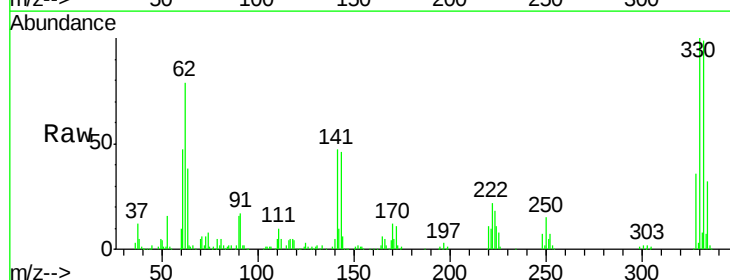
Tgt Ion:198 Resp: 963

Ion Ratio Lower Upper

198 100

51 233.4 18.9 58.9#

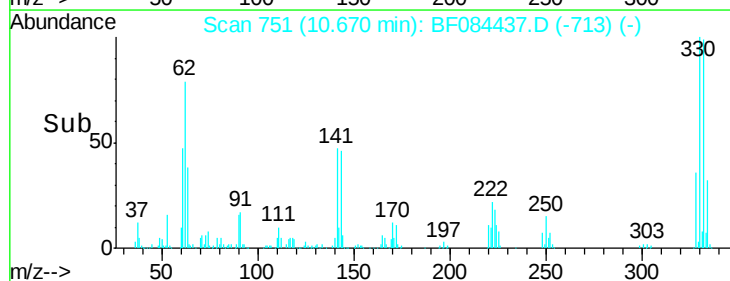
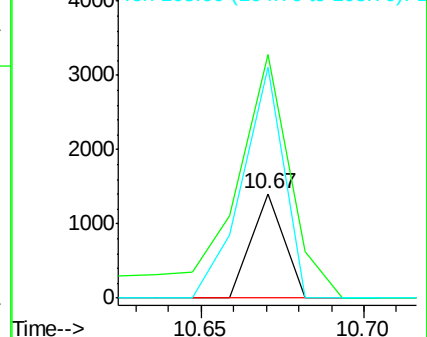
105 221.0 26.4 66.4#

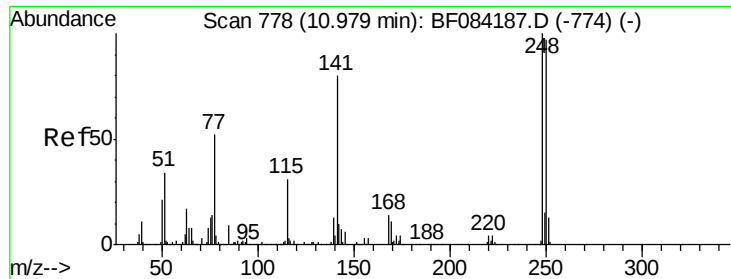


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

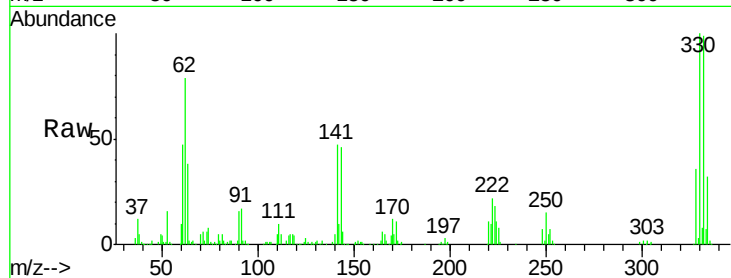




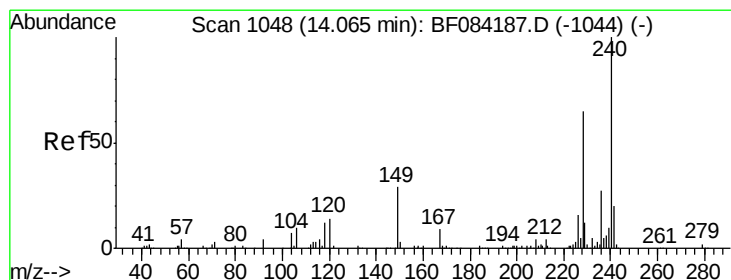
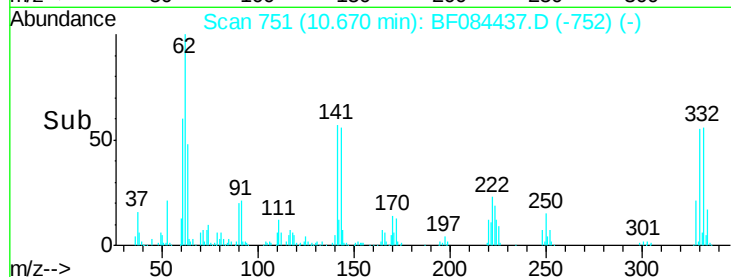
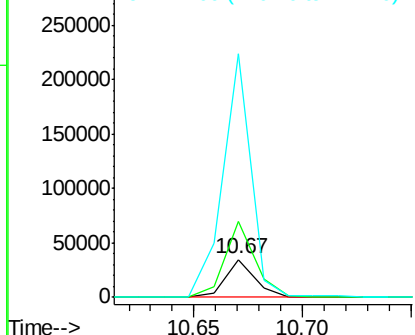
#66
4-Bromophenyl-phenylether
Concen: 3.49 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.31 min
Lab File: BF084437.D
Acq: 13 Jan 2016 4:14

Instrument :
BNA_F
ClientSampled :
FB2

Tgt Ion:248 Resp: 32897
Ion Ratio Lower Upper
248 100
250 200.9 78.4 117.6#
141 638.9 44.0 66.0#

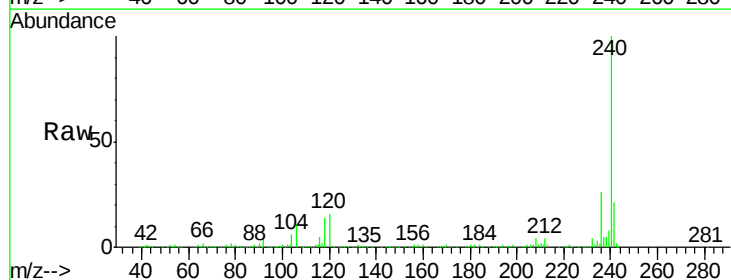


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

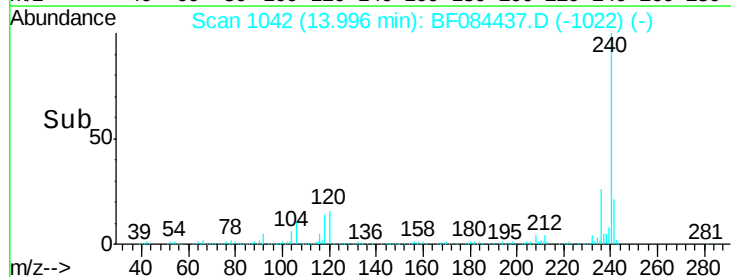
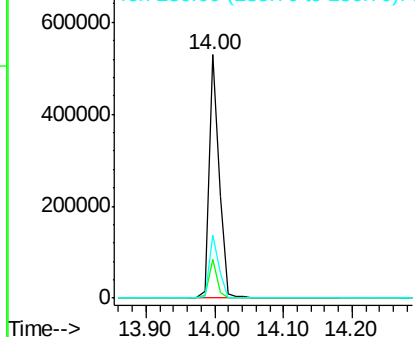


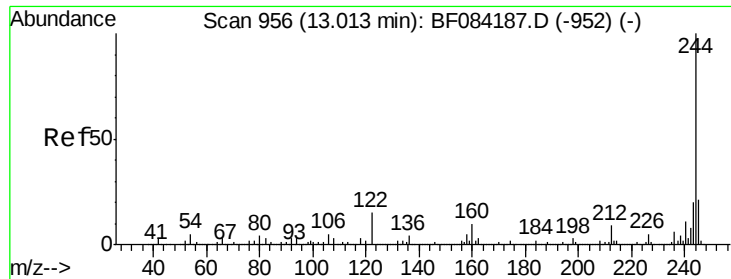
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.07 min
Lab File: BF084437.D
Acq: 13 Jan 2016 4:14

Tgt Ion:240 Resp: 539642
Ion Ratio Lower Upper
240 100
120 16.0 9.5 14.3#
236 25.8 20.6 31.0



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

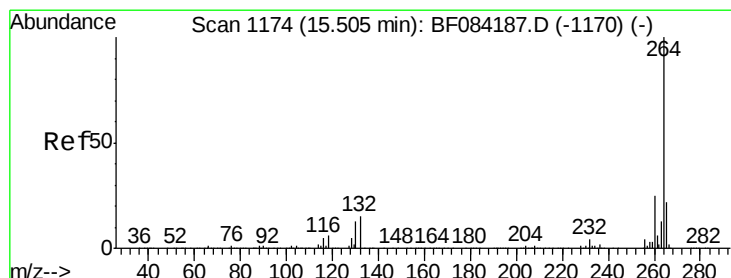
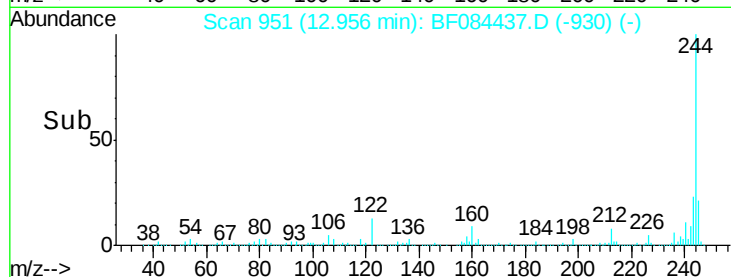
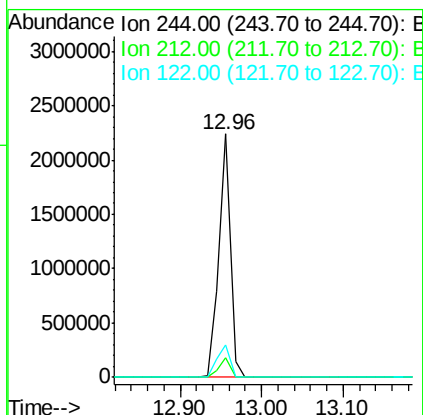
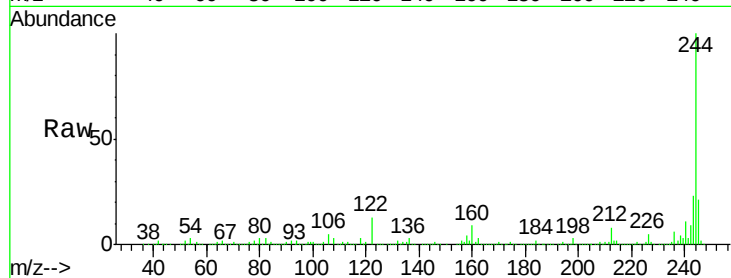




#78
 Terphenyl-d14
 Concen: 91.04 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.06 min
 Lab File: BF084437.D
 Acq: 13 Jan 2016 4:14

Instrument :
 BNA_F
 ClientSampleId :
 FB2

Tgt Ion:244 Resp: 2201028
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 13.2 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. -0.08 min
 Lab File: BF084437.D
 Acq: 13 Jan 2016 4:14

Tgt Ion:264 Resp: 479105
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.4 29.2
 265 22.2 17.8 26.6

