

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012916\
 Data File : BF084661.D
 Acq On : 30 Jan 2016 3:18
 Operator : SJ/IZ
 Sample : H1261-11
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)

Quant Time: Jan 30 05:41:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:54:53 2016
 Response via : Initial Calibration

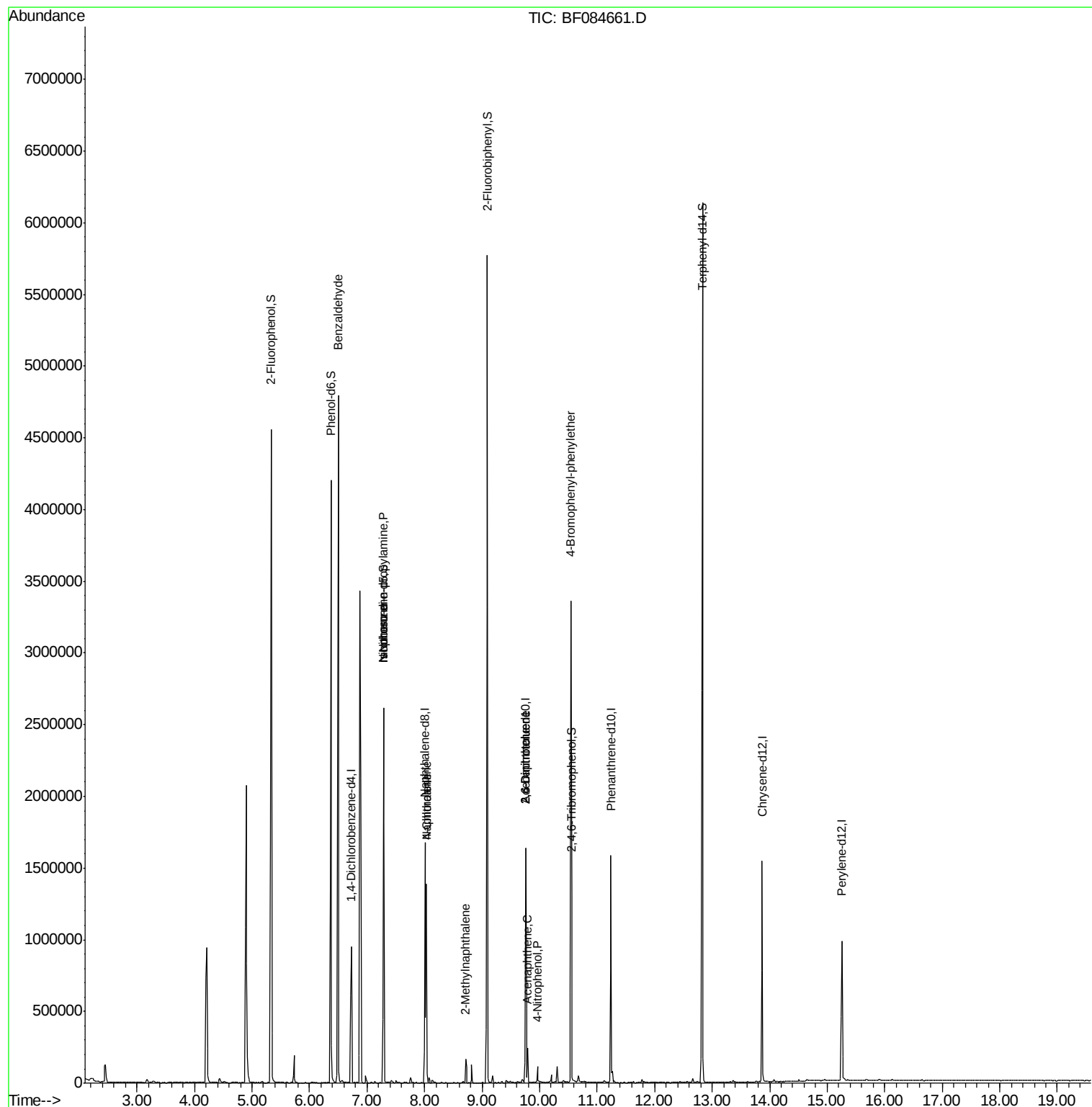
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	178218	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	706541	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	331871	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	668355	20.00	ng	0.00
75) Chrysene-d12	13.87	240	617899	20.00	ng	0.00
86) Perylene-d12	15.25	264	418827	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1254781	106.28	ng	0.02
7) Phenol-d6	6.37	99	1375120	97.18	ng	0.00
23) Nitrobenzene-d5	7.29	82	1131351	89.49	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	471125	135.45	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	2131677	95.47	ng	0.00
78) Terphenyl-d14	12.83	244	2012261	73.55	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	34485	4.21	ng	81
19) n-Nitroso-di-n-propylamine	7.29	70	153348	17.74	ng	# 73
25) Isophorone	7.29	82	1028902	43.44	ng	# 66
31) Naphthalene	8.03	128	573150	16.07	ng	99
33) 4-Chloroaniline	8.03	127	75054	5.17	ng	# 33
37) 2-Methylnaphthalene	8.72	142	57999	2.65	ng	95
50) 2,6-Dinitrotoluene	9.76	165	43288	7.90	ng	# 37
51) Acenaphthene	9.79	154	52303	2.32	ng	94
55) 4-Nitrophenol	9.96	139	14517	3.45	ng	# 10
56) 2,4-Dinitrotoluene	9.76	165	43288	6.08	ng	# 21
66) 4-Bromophenyl-phenylether	10.54	248	28009	3.72	ng	# 1

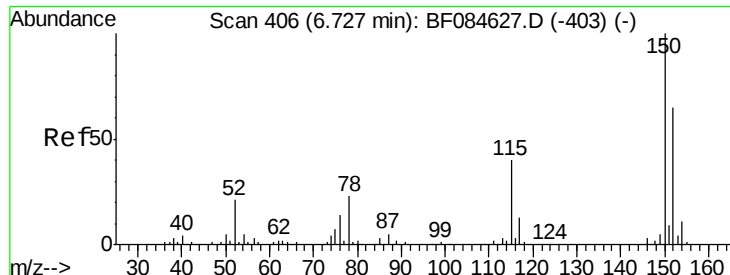
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.00 min

Lab File: BF084661.D

Acq: 30 Jan 2016 3:18

Instrument :

BNA_F

ClientSampleId :

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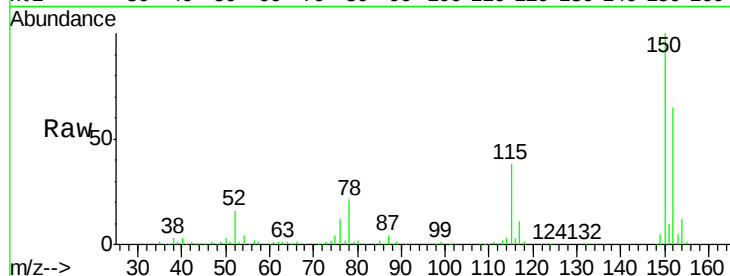
Tgt Ion:152 Resp: 178218

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

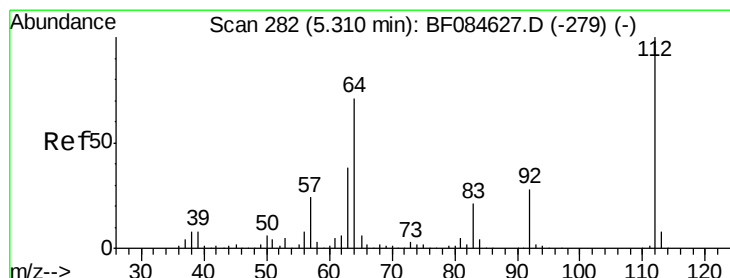
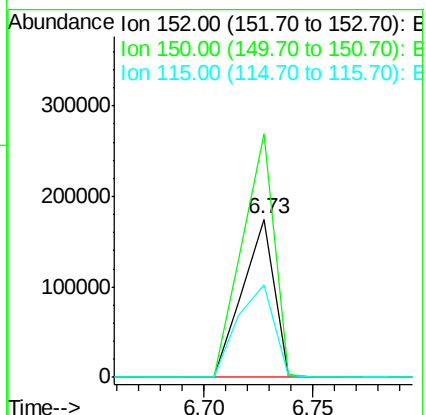
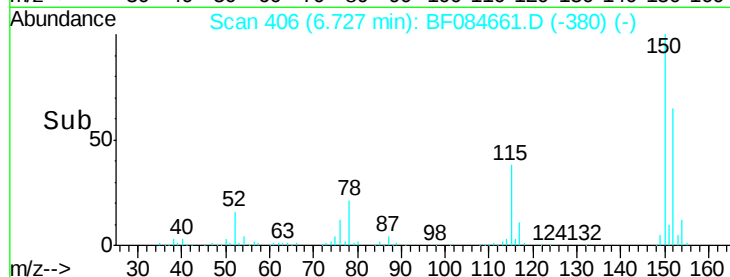
115 58.7 51.4 77.2



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: 106.28 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.02 min

Lab File: BF084661.D

Acq: 30 Jan 2016 3:18

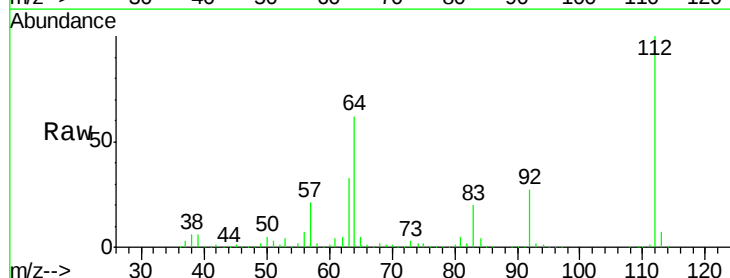
Tgt Ion:112 Resp: 1254781

Ion Ratio Lower Upper

112 100

64 62.1 36.6 55.0#

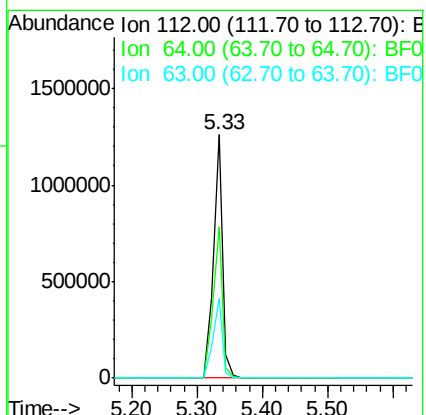
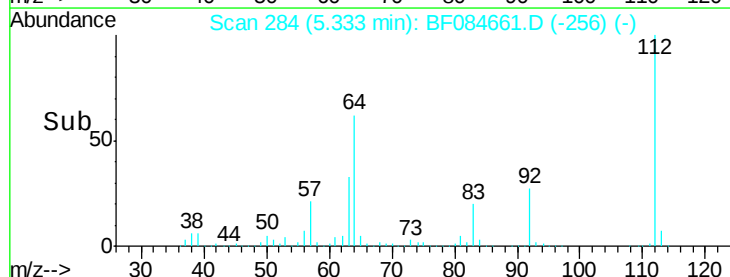
63 33.0 19.4 29.0#

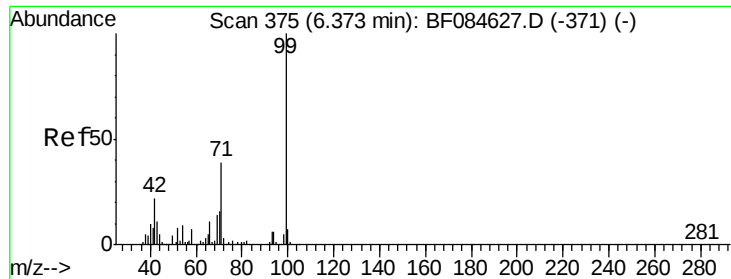


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.18 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF084661.D

Acq: 30 Jan 2016 3:18

Instrument :

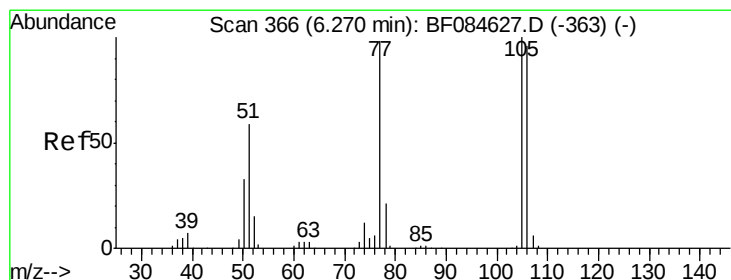
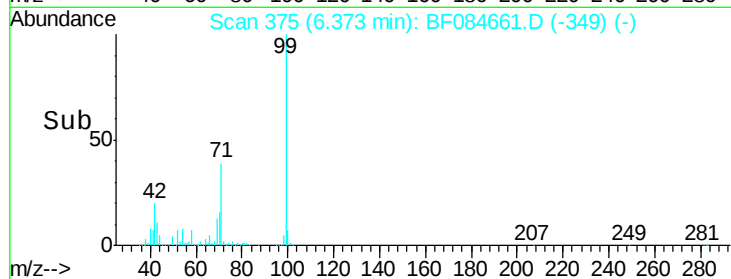
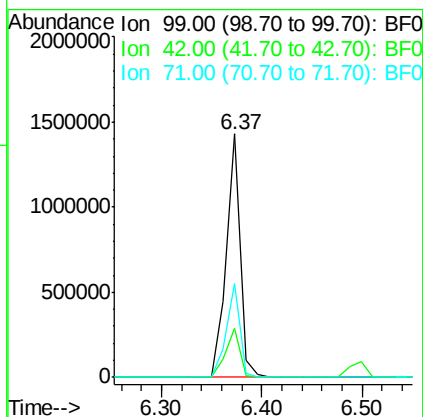
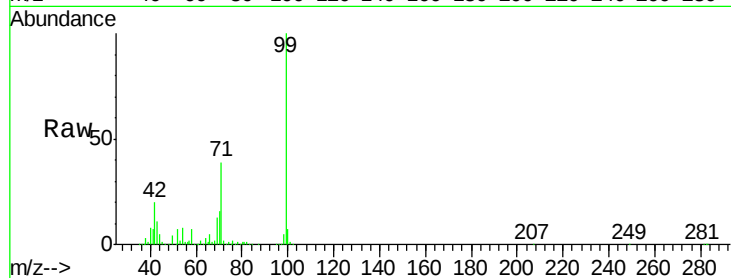
BNA_F

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Tgt Ion: 99 Resp: 1375120

Ion	Ratio	Lower	Upper
99	100		
42	20.4	12.8	19.2#
71	38.5	30.9	46.3



#9

Benzaldehyde

Concen: 4.21 ng

RT: 6.50 min Scan# 386

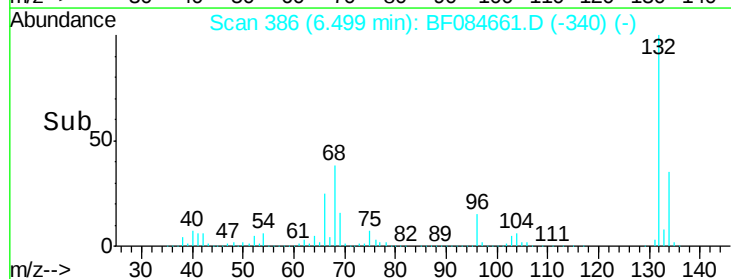
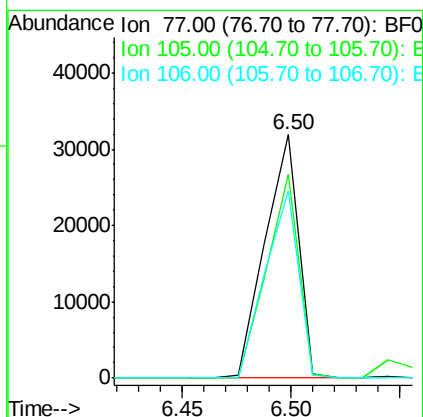
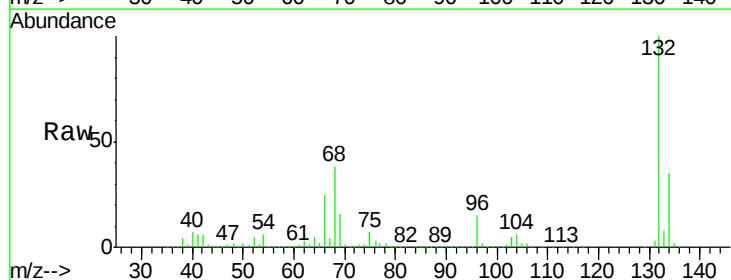
Delta R.T. 0.23 min

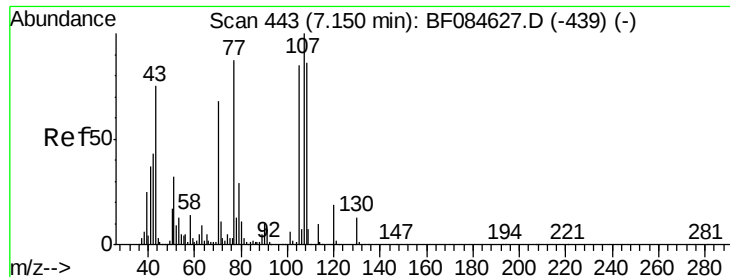
Lab File: BF084661.D

Acq: 30 Jan 2016 3:18

Tgt Ion: 77 Resp: 34485

Ion	Ratio	Lower	Upper
77	100		
105	83.8	83.0	123.0
106	77.0	74.6	114.6

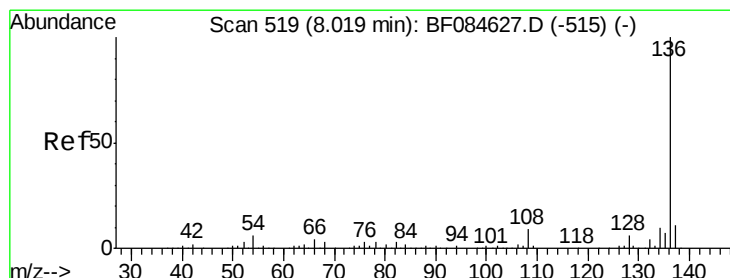
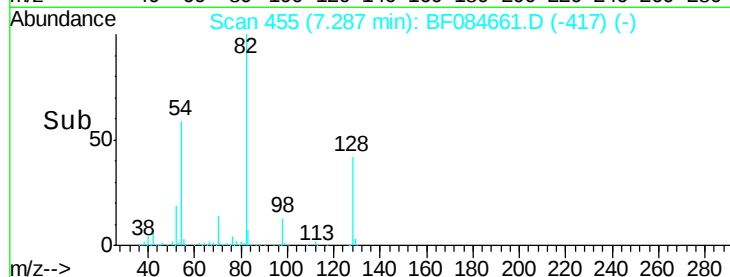
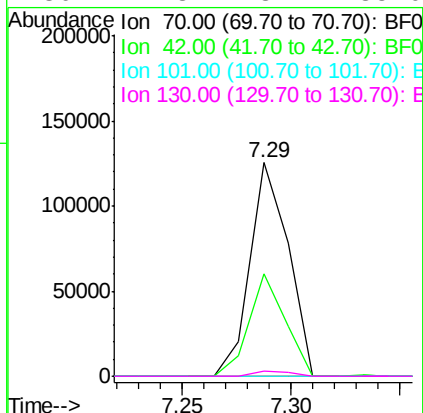
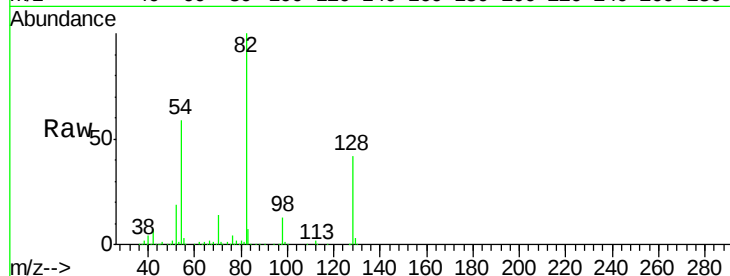




#19
n-Nitroso-di-n-propylamine
Concen: 17.74 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.14 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

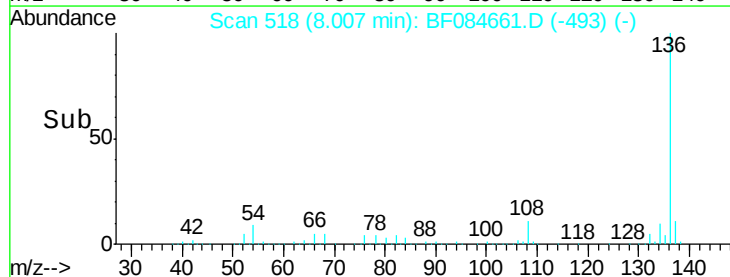
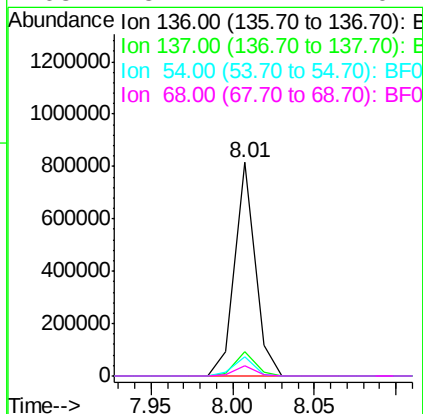
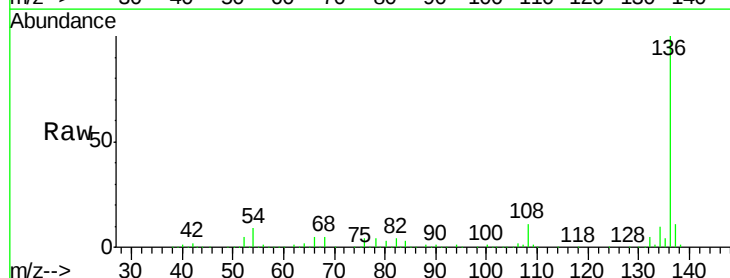
Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)

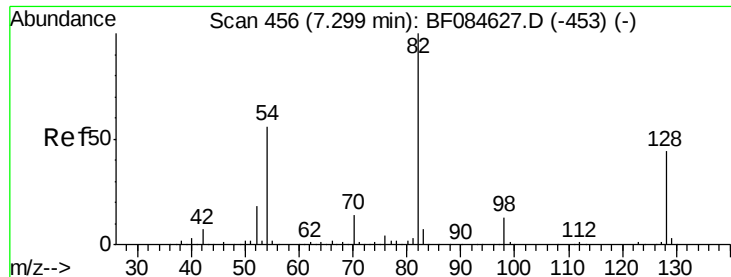
Tgt Ion:	70	Resp:	153348
Ion	Ratio	Lower	Upper
70	100		
42	48.2	33.3	49.9
101	0.0	9.3	13.9#
130	2.3	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

Tgt Ion:	136	Resp:	706541
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	9.2	5.8	8.8#
68	5.1	4.2	6.2

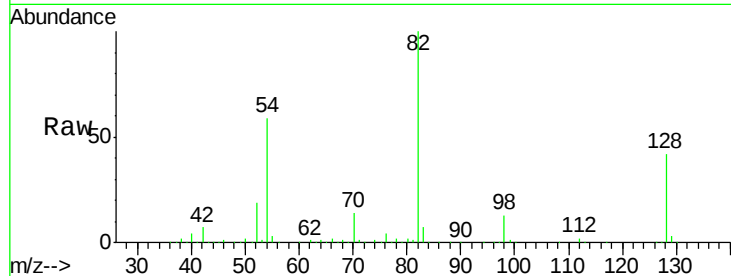




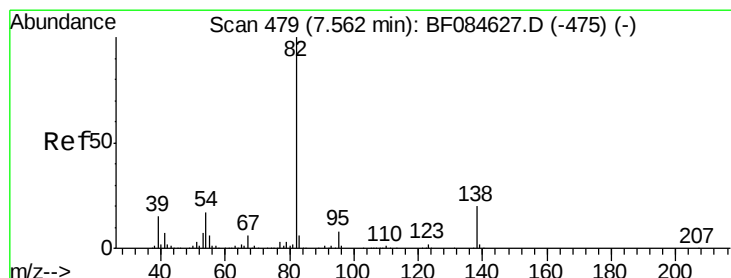
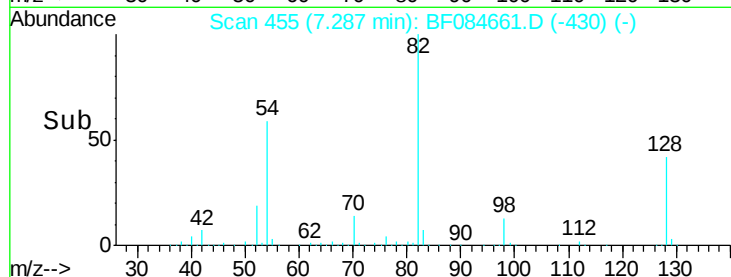
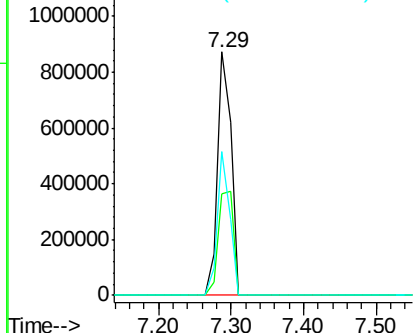
#23
Nitrobenzene-d5
Concen: 89.49 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.01 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)

Tgt Ion: 82 Resp: 1131351
Ion Ratio Lower Upper
82 100
128 41.6 34.6 51.8
54 58.9 38.4 57.6#

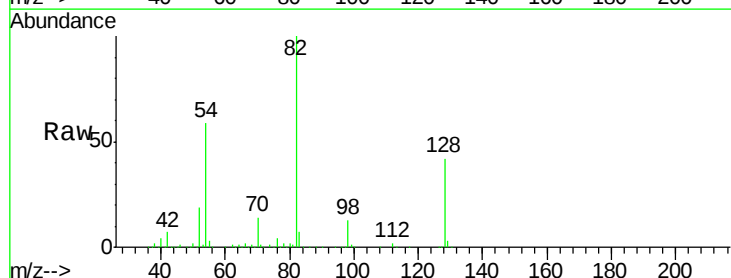


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

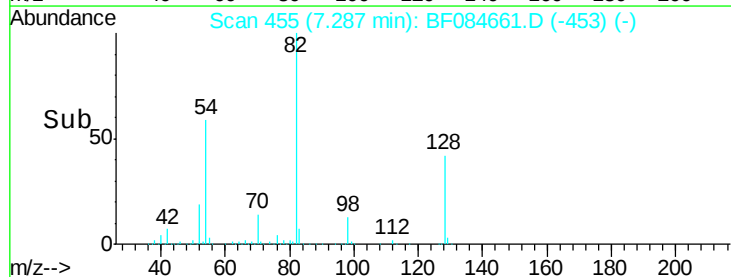
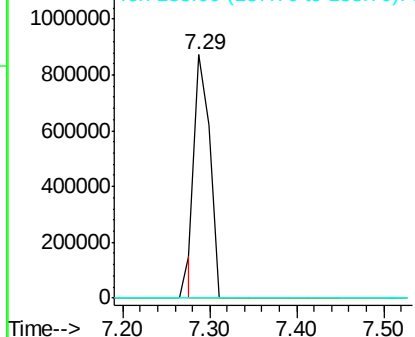


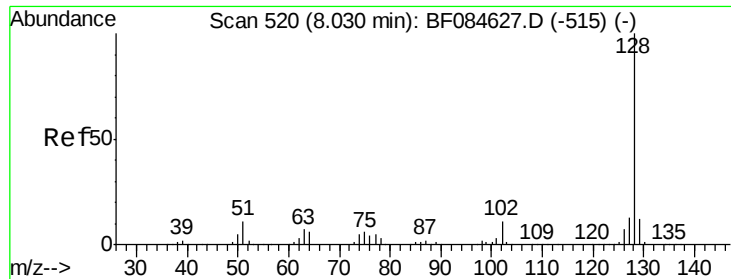
#25
Isophorone
Concen: 43.44 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.27 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

Tgt Ion: 82 Resp: 1028902
Ion Ratio Lower Upper
82 100
95 0.0 6.6 10.0#
138 0.0 13.6 20.4#



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): BF0

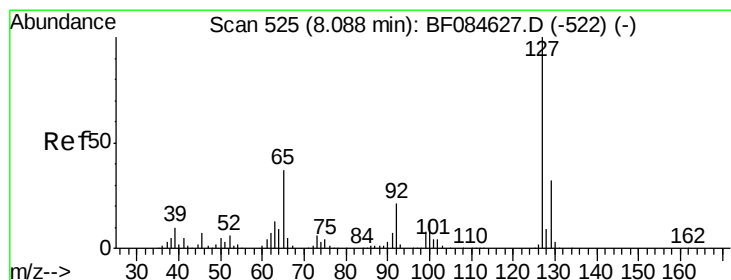
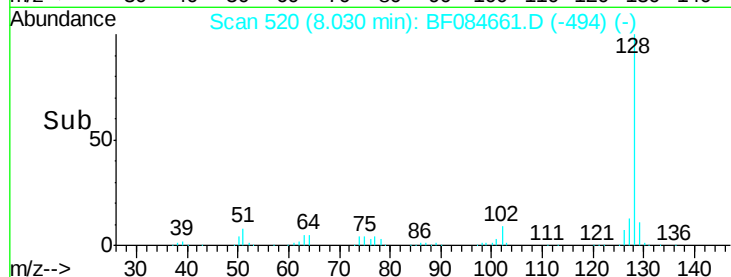
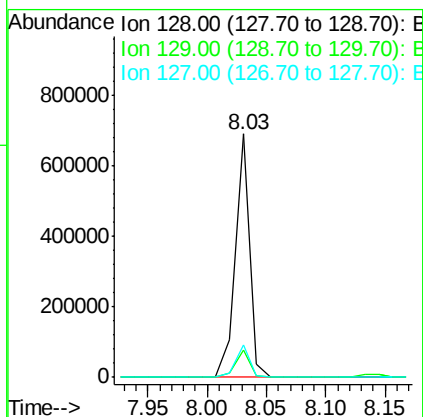
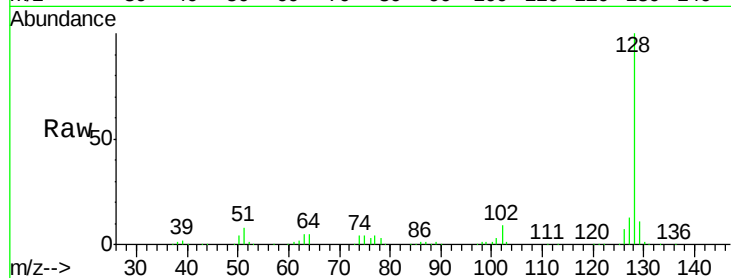




#31
Naphthalene
Concen: 16.07 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

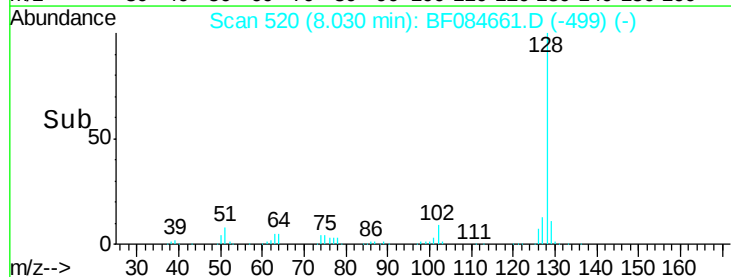
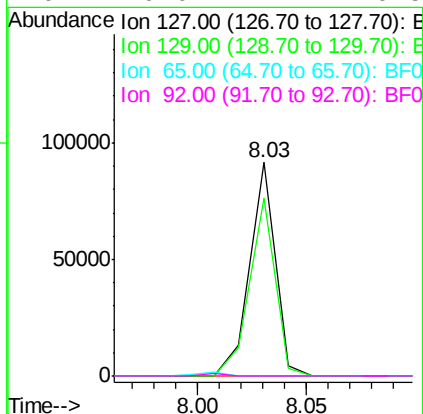
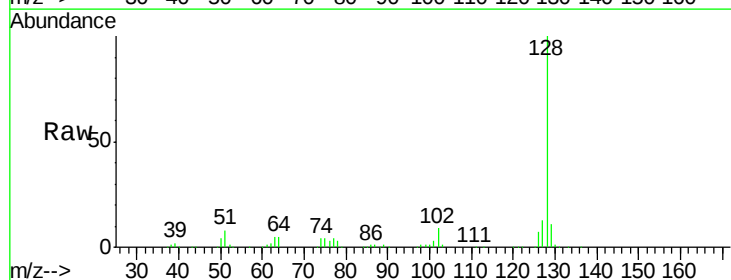
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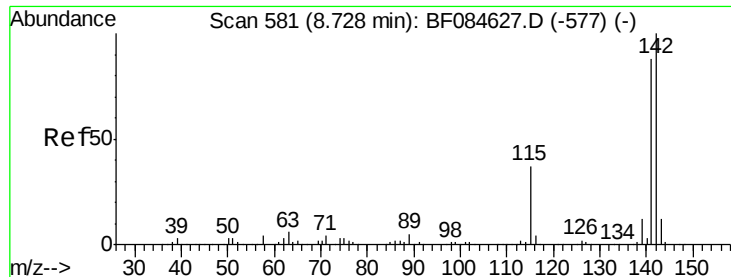
Tgt Ion:128 Resp: 573150
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.3 11.1 16.7



#33
4-Chloroaniline
Concen: 5.17 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.06 min
Lab File: BF084661.D
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Tgt Ion:127 Resp: 75054
Ion Ratio Lower Upper
127 100
129 83.5 26.5 39.7#
65 0.0 27.2 40.8#
92 0.0 17.7 26.5#

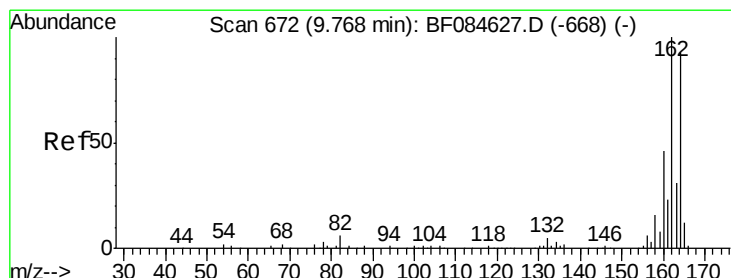
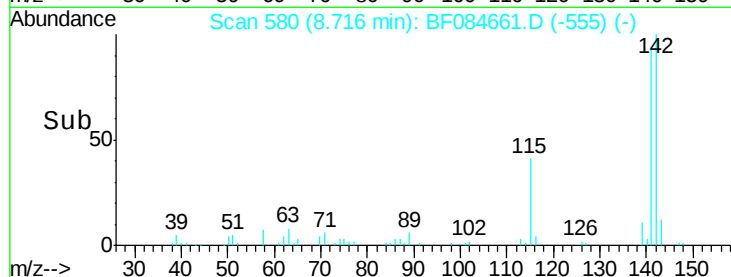
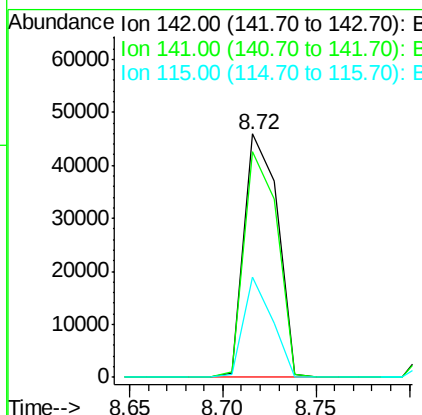
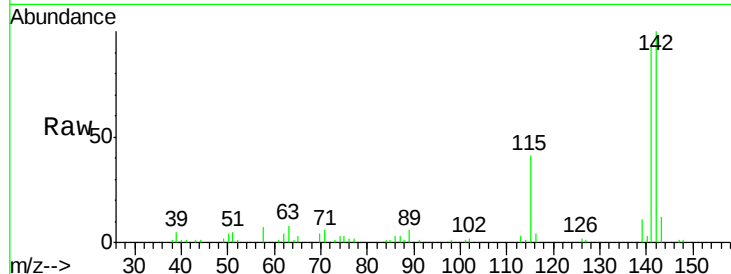




#37
2-Methylnaphthalene
Concen: 2.65 ng
RT: 8.72 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

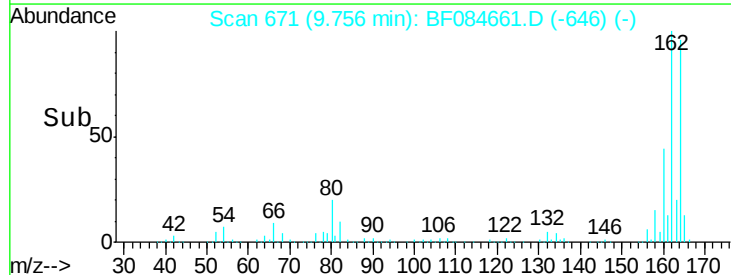
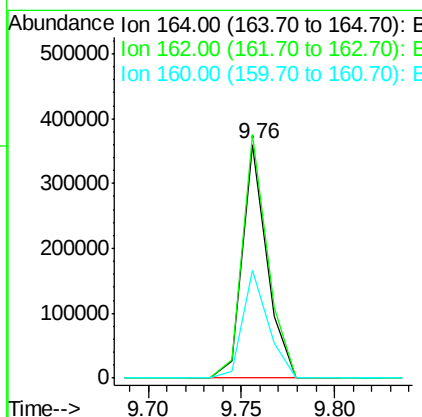
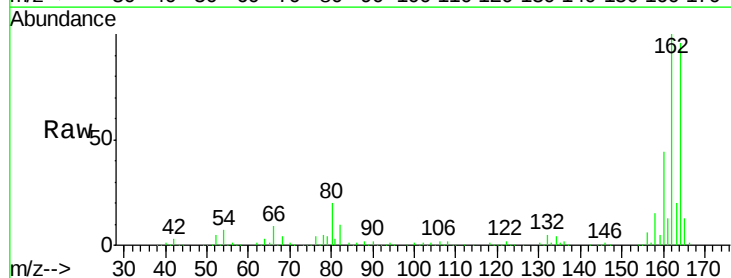
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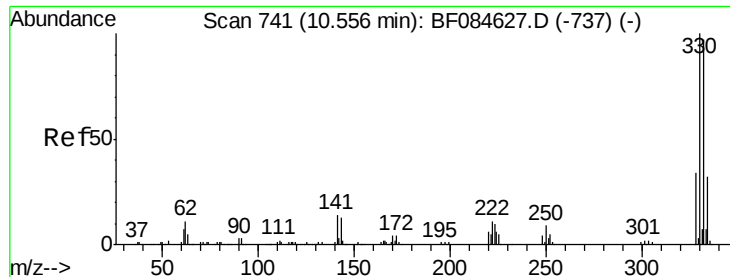
Tgt Ion:142 Resp: 57999
Ion Ratio Lower Upper
142 100
141 92.7 72.4 108.6
115 41.3 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.01 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

Tgt Ion:164 Resp: 331871
Ion Ratio Lower Upper
164 100
162 104.1 85.1 127.7
160 46.1 37.5 56.3

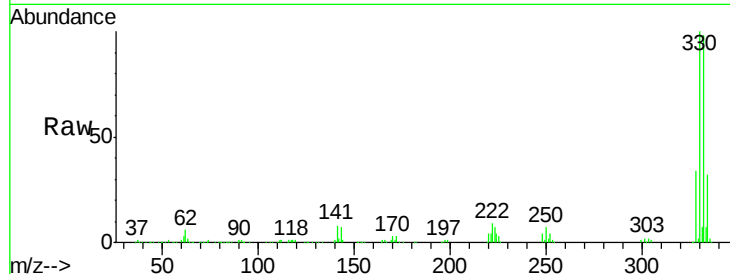




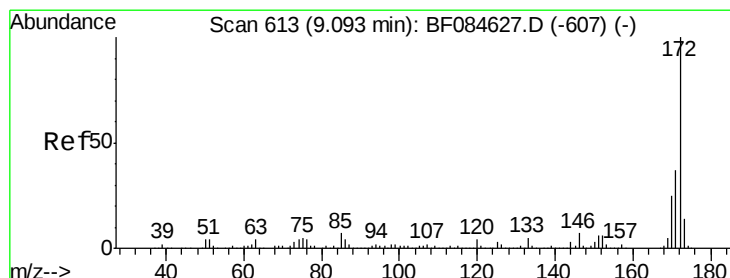
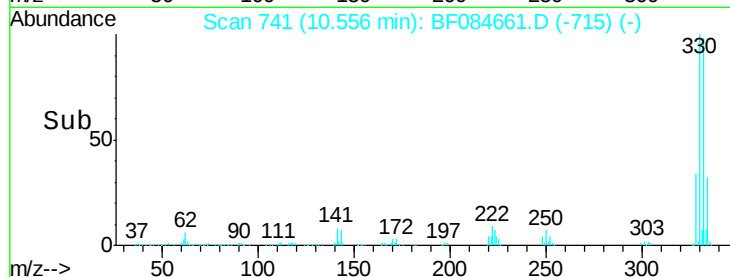
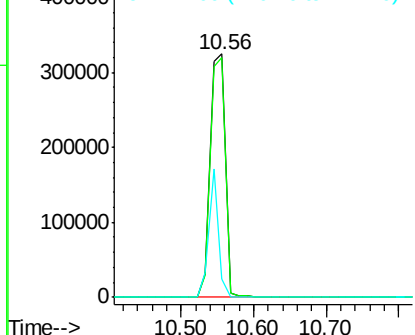
#41
 2,4,6-Tribromophenol
 Concen: 135.45 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF084661.D
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Instrument :
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 ClientSampleId :
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Tgt Ion:330 Resp: 471125
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 34.1 27.8 41.6

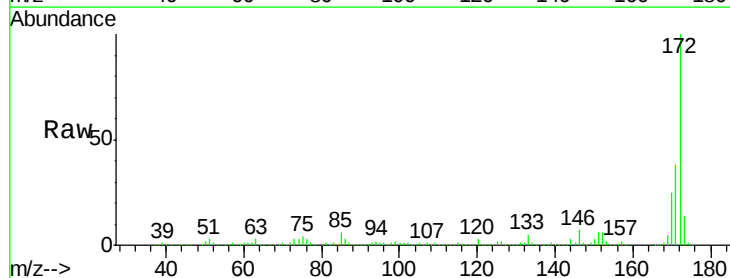


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

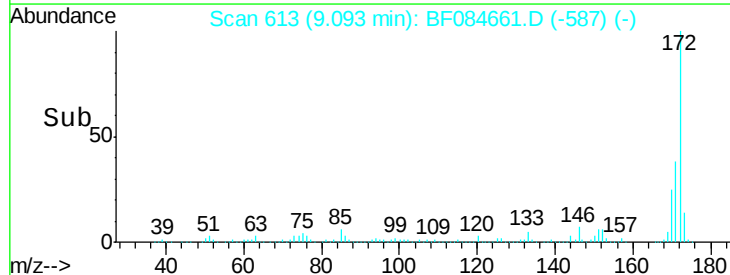
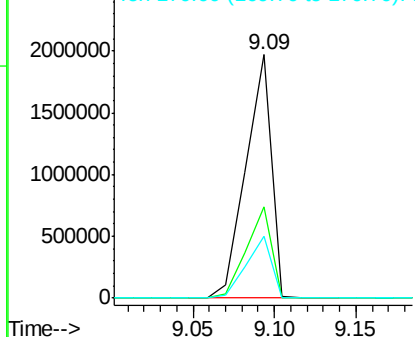


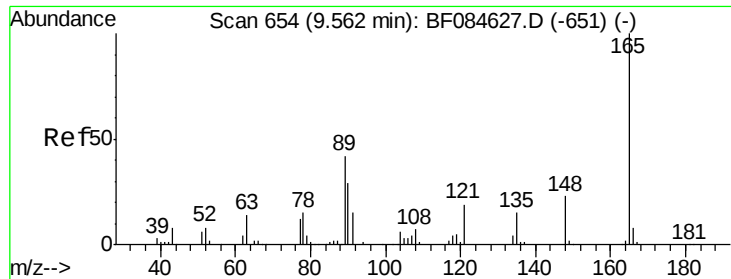
#44
 2-Fluorobiphenyl
 Concen: 95.47 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF084661.D
 Acq: 30 Jan 2016 3:18

Tgt Ion:172 Resp: 2131677
 Ion Ratio Lower Upper
 172 100
 171 37.7 28.9 43.3
 170 25.3 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

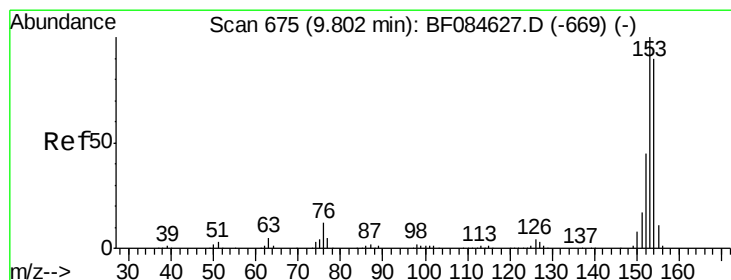
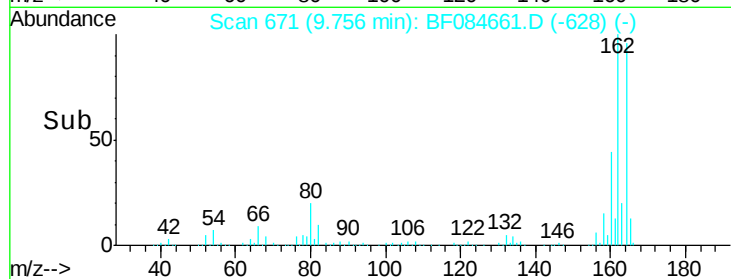
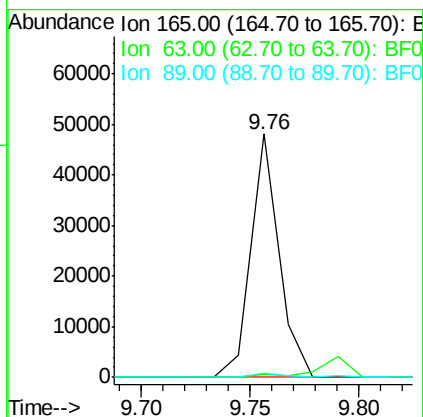
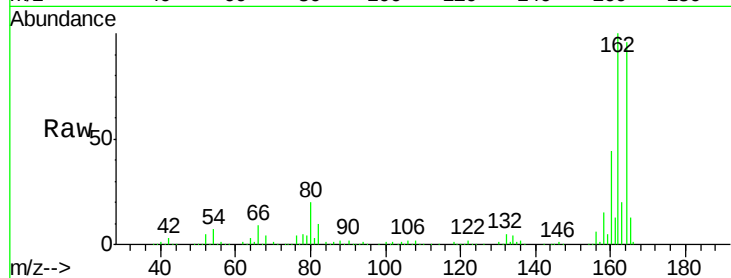




#50
 2,6-Dinitrotoluene
 Concen: 7.90 ng
 RT: 9.76 min Scan# 671
 Delta R.T. 0.19 min
 Lab File: BF084661.D
 Acq: 30 Jan 2016 3:18

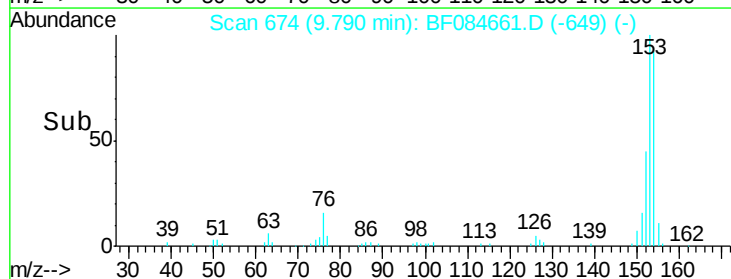
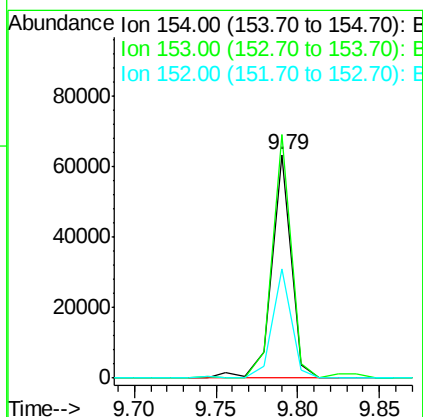
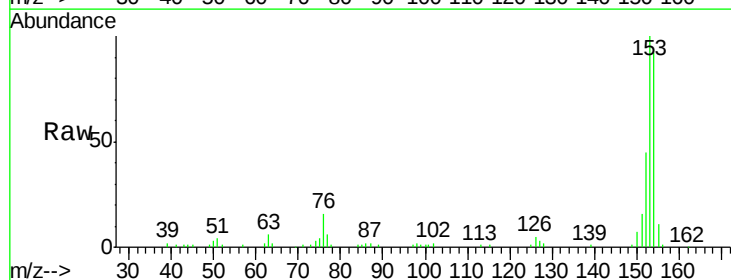
Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)

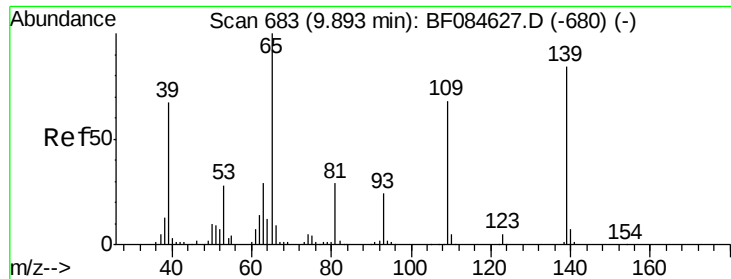
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	28.8	43.2#
89	1.6	35.1	52.7#



#51
 Acenaphthene
 Concen: 2.32 ng
 RT: 9.79 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: BF084661.D
 Acq: 30 Jan 2016 3:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.8	91.5	137.3
152	49.1	43.0	64.6

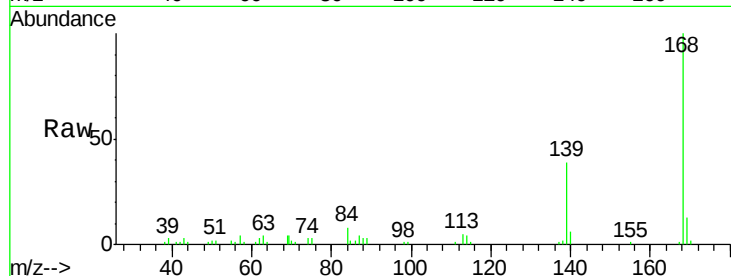




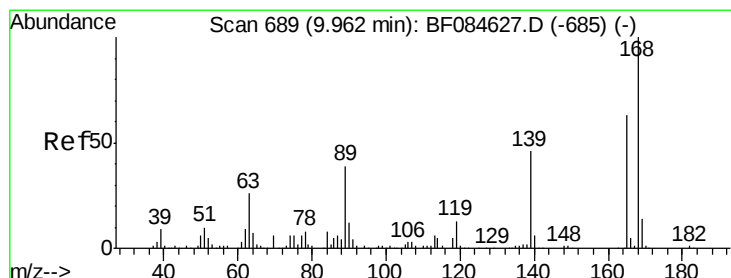
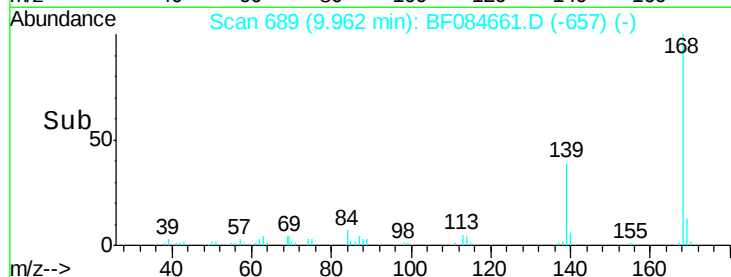
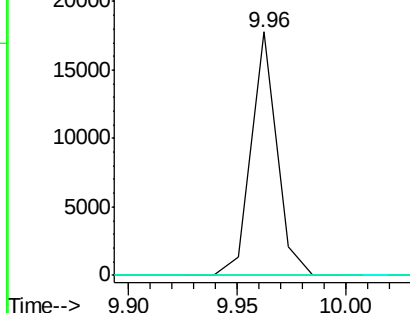
#55
4-Nitrophenol
Concen: 3.45 ng
RT: 9.96 min Scan# 689
Delta R.T. 0.07 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	58.5	98.5#
65	0.0	57.6	97.6#



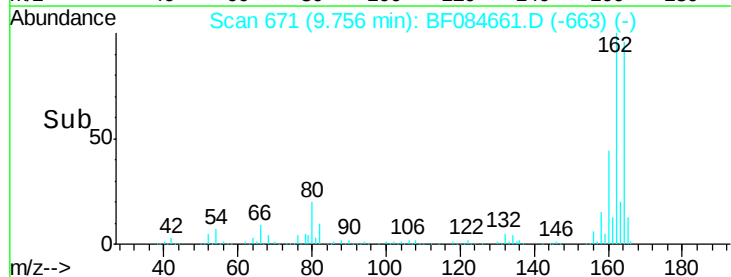
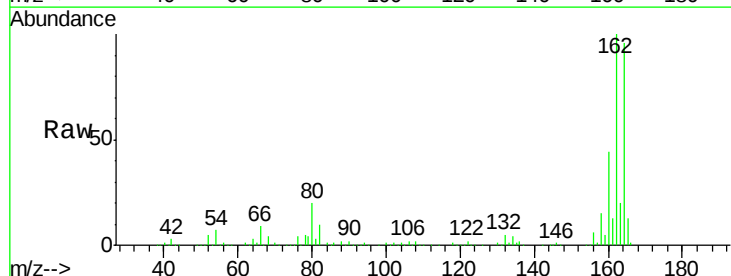
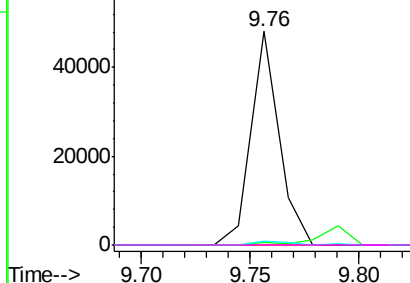
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

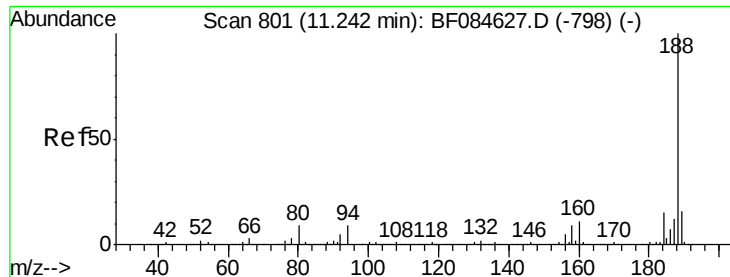


#56
2,4-Dinitrotoluene
Concen: 6.08 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.21 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.7	55.1#
89	1.6	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

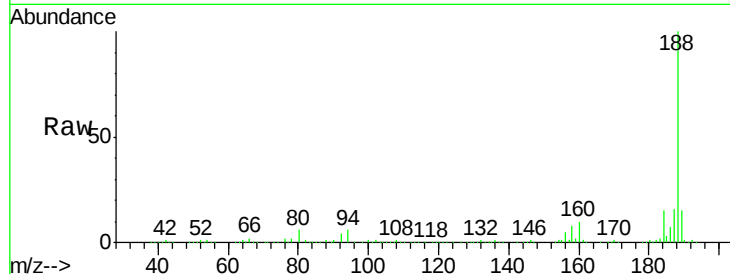




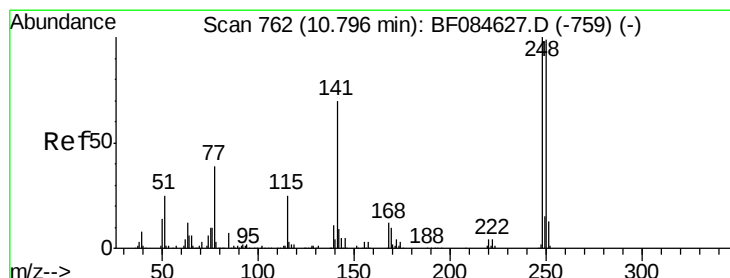
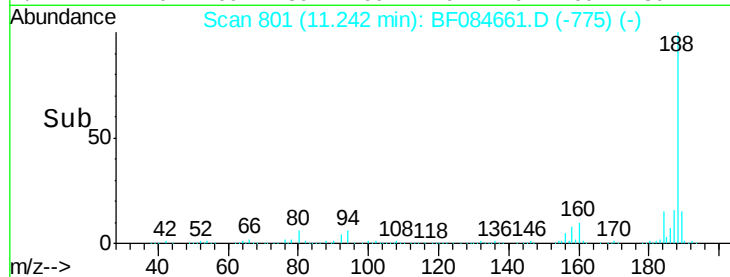
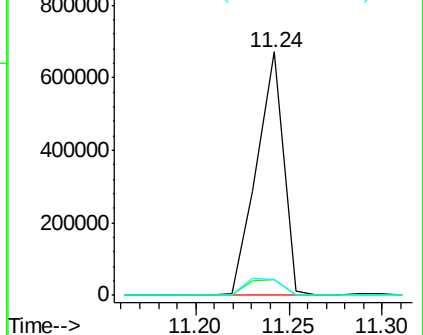
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF084661.D
 Acq: 30 Jan 2016 3:18

Instrument :
 BNA_F
 ClientSampleId :
 SCARBOROUGH1516-00(0-4)

Tgt Ion:188 Resp: 668355
 Ion Ratio Lower Upper
 188 100
 94 6.4 9.0 13.4#
 80 6.5 9.6 14.4#

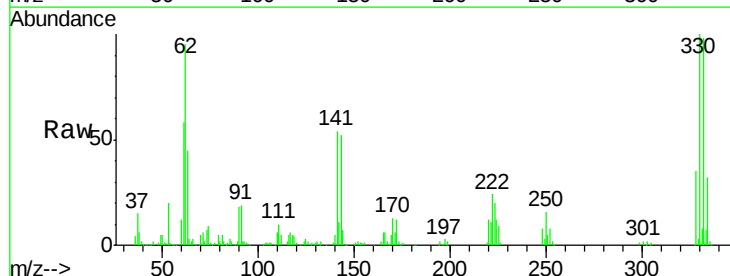


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

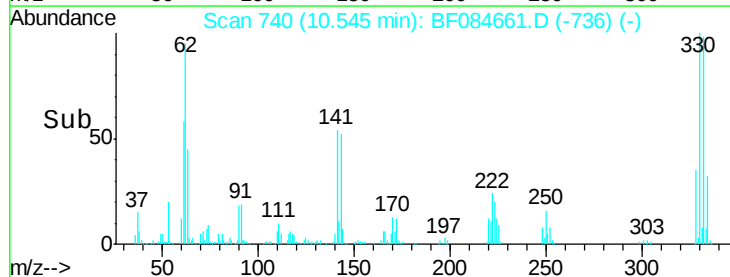
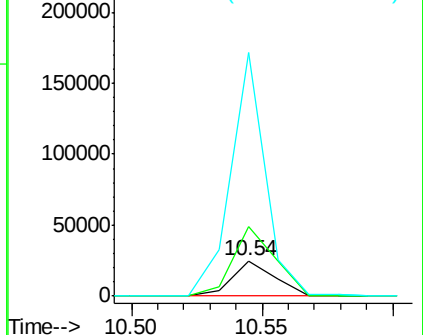


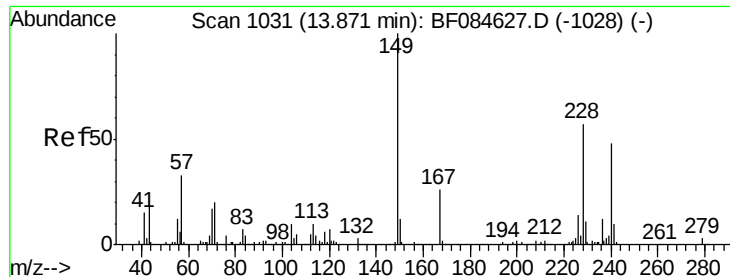
#66
 4-Bromophenyl-phenylether
 Concen: 3.72 ng
 RT: 10.54 min Scan# 740
 Delta R.T. -0.25 min
 Lab File: BF084661.D
 Acq: 30 Jan 2016 3:18

Tgt Ion:248 Resp: 28009
 Ion Ratio Lower Upper
 248 100
 250 197.8 78.4 117.6#
 141 687.4 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: 13.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: BF084661.D

Acq: 30 Jan 2016 3:18

Instrument :

BNA_F

ClientSampleId :

SCARBOROUGH1516-00(0-4)

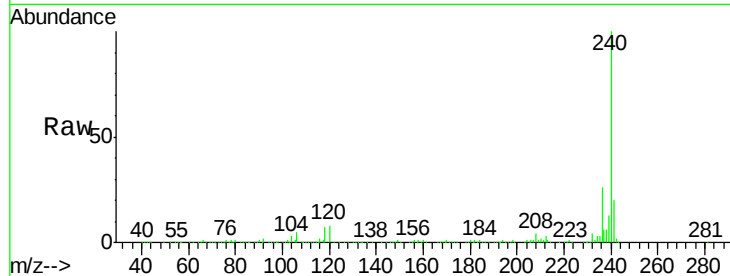
Tgt Ion:240 Resp: 617899

Ion Ratio Lower Upper

240 100

120 7.8 9.5 14.3#

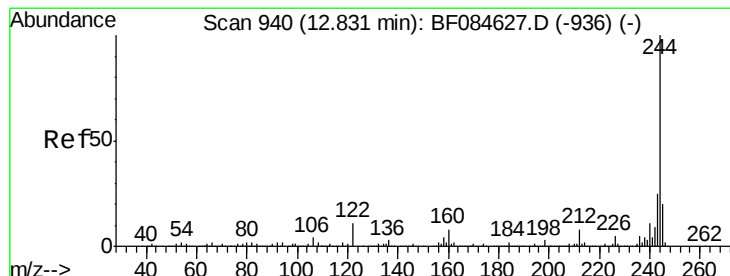
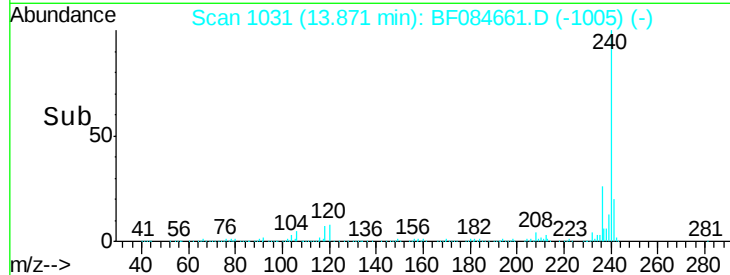
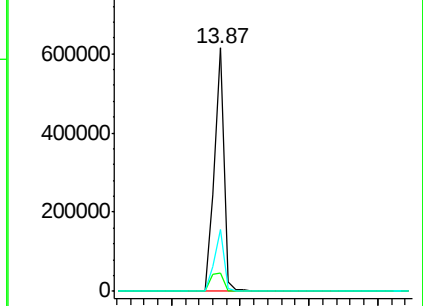
236 25.5 20.6 31.0



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: 73.55 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.00 min

Lab File: BF084661.D

Acq: 30 Jan 2016 3:18

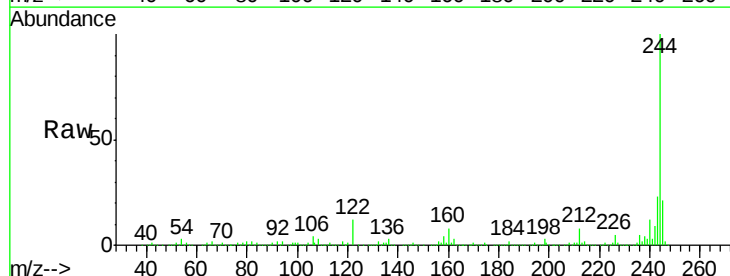
Tgt Ion:244 Resp: 2012261

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

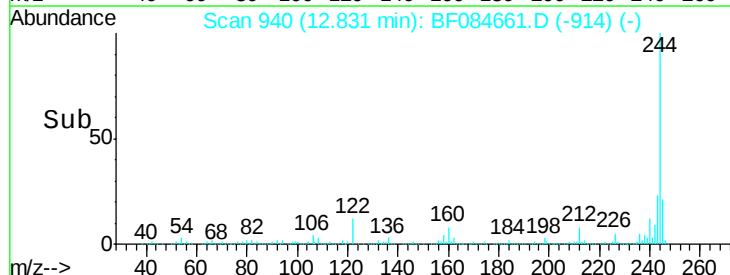
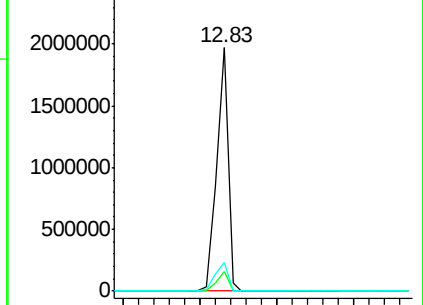
122 11.9 7.4 11.0#

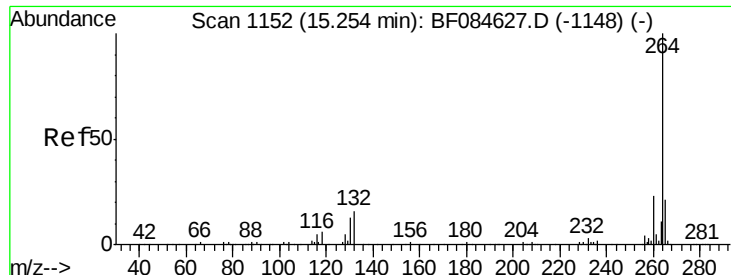


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

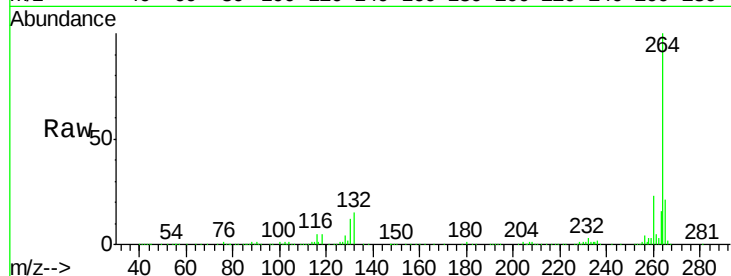




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BF084661.D
Acq: 30 Jan 2016 3:18

Instrument :
BNA_F
ClientSampleId :
SCARBOROUGH1516-00(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	21.5	17.8	26.6



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

