

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111615\
 Data File : BF082968.D
 Acq On : 17 Nov 2015 11:57
 Operator : UM/IZ
 Sample : G4403-01DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS1122015DL

Quant Time: Nov 17 12:27:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 17 04:41:30 2015
 Response via : Initial Calibration

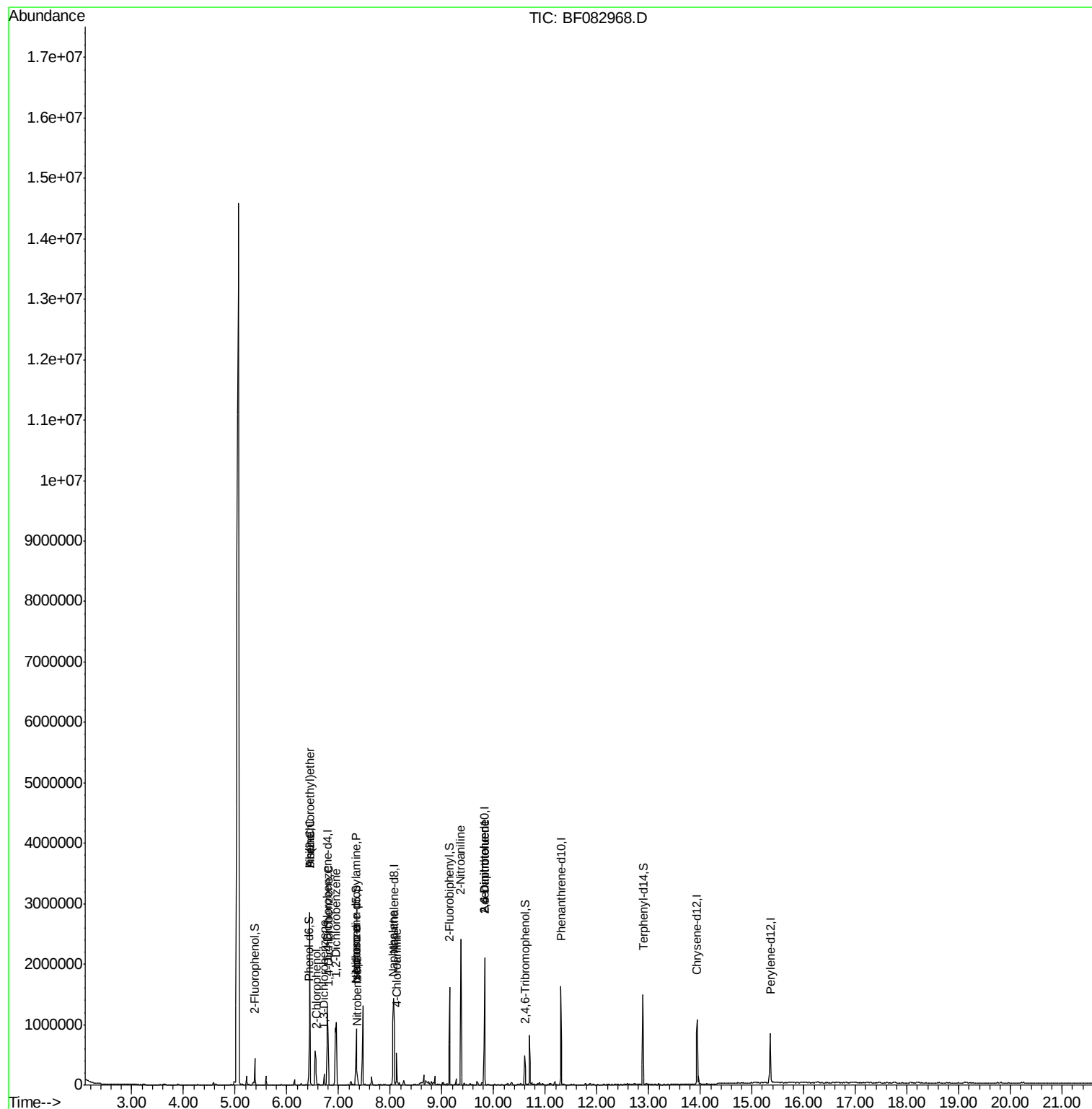
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	218707	20.00	ng	-0.07
21) Naphthalene-d8	8.06	136	773538	20.00	ng	-0.08
38) Acenaphthene-d10	9.82	164	418715	20.00	ng	-0.07
63) Phenanthrene-d10	11.30	188	671613	20.00	ng	-0.08
75) Chrysene-d12	13.94	240	521971	20.00	ng	-0.08
86) Perylene-d12	15.36	264	464889	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	111036	7.90	ng	-0.07
7) Phenol-d6	6.43	99	84176	4.50	ng	-0.06
23) Nitrobenzene-d5	7.34	82	319398	17.97	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	63713	13.27	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	555809	19.02	ng	-0.07
78) Terphenyl-d14	12.89	244	450092	20.45	ng	-0.08
Target Compounds						Qvalue
6) Aniline	6.44	93	961278	36.64	ng	99
8) 2-Chlorophenol	6.57	128	39533	2.54	ng	95
10) Phenol	6.44	94	78166	3.69	ng	# 1
11) bis(2-Chloroethyl)ether	6.44	93	961278	60.62	ng	# 18
12) 1,3-Dichlorobenzene	6.72	146	36109	2.05	ng	# 93
13) 1,4-Dichlorobenzene	6.80	146	182722	9.99	ng	96
14) 1,2-Dichlorobenzene	6.96	146	270019	16.24	ng	97
19) n-Nitroso-di-n-propylamine	7.34	70	40260	2.93	ng	# 68
24) Nitrobenzene	7.36	77	84207	4.63	ng	# 84
25) Isophorone	7.34	82	317065	9.64	ng	# 69
31) Naphthalene	8.05	128	248643	5.83	ng	# 77
33) 4-Chloroaniline	8.12	127	132482	7.20	ng	# 88
47) 2-Nitroaniline	9.37	65	34837	3.35	ng	# 26
50) 2,6-Dinitrotoluene	9.82	165	54066	7.39	ng	# 16
56) 2,4-Dinitrotoluene	9.82	165	54070	5.44	ng	# 15

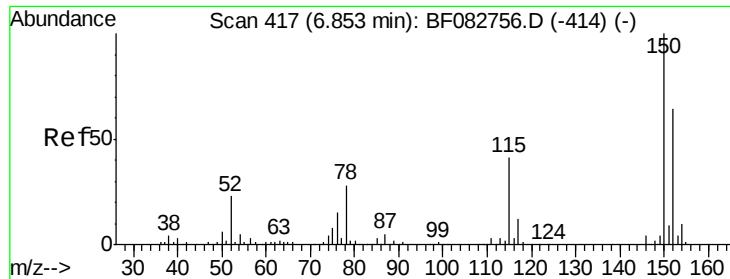
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF082968.D

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BNA_F

ClientSampleId :

SYSDIS1122015DL

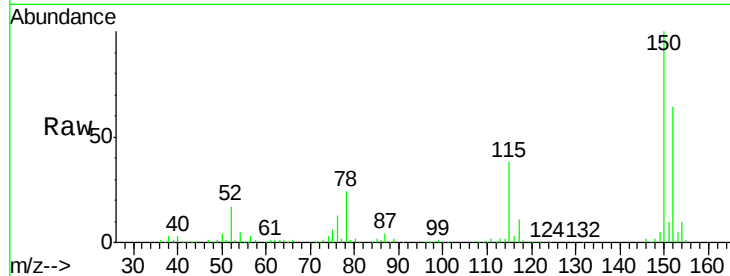
Tot Ion:152 Resp: 218707

Ion Ratio Lower Upper

152 100

150 156.1 127.0 190.4

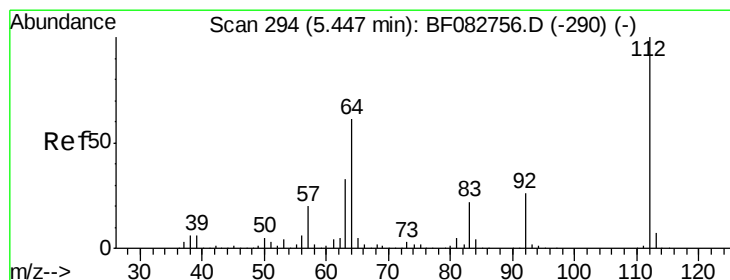
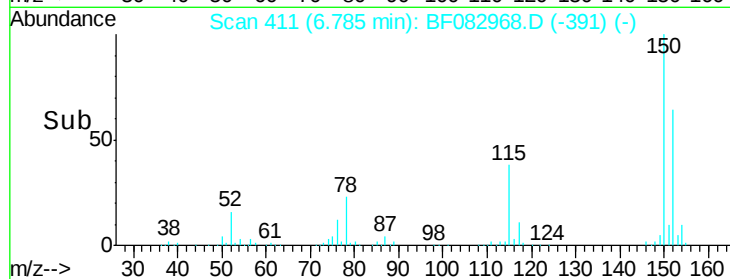
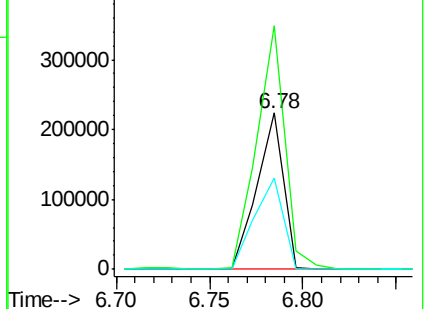
115 58.6 47.0 70.6



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: 7.90 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.07 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

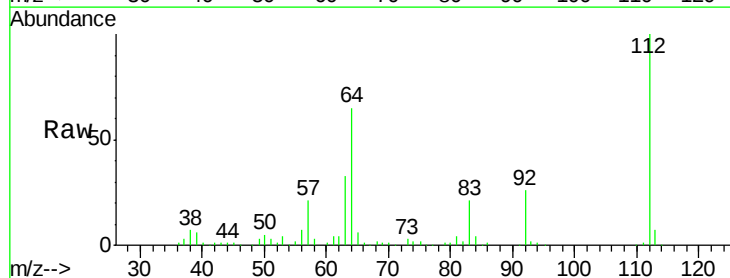
Tgt Ion:112 Resp: 111036

Ion Ratio Lower Upper

112 100

64 65.0 48.9 73.3

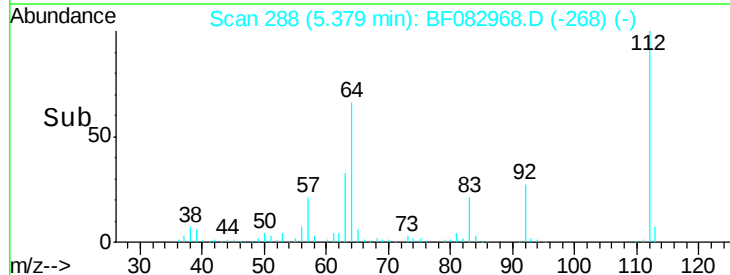
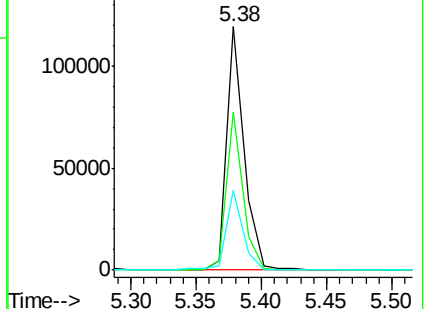
63 32.8 28.1 42.1

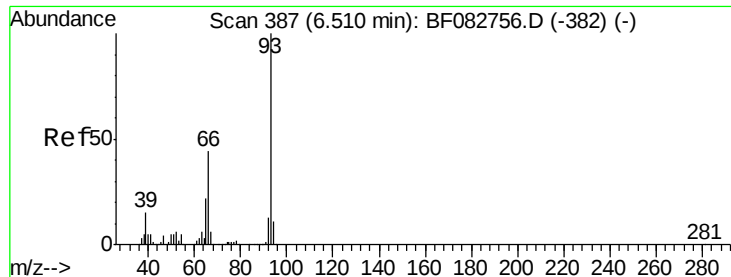


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 36.64 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.07 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

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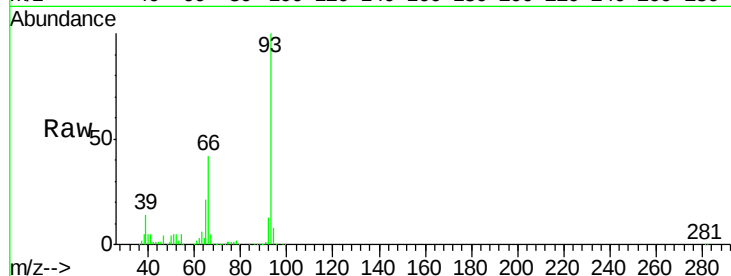
Tot Ion: 93 Resp: 961278

Ion Ratio Lower Upper

93 100

66 41.9 33.6 50.4

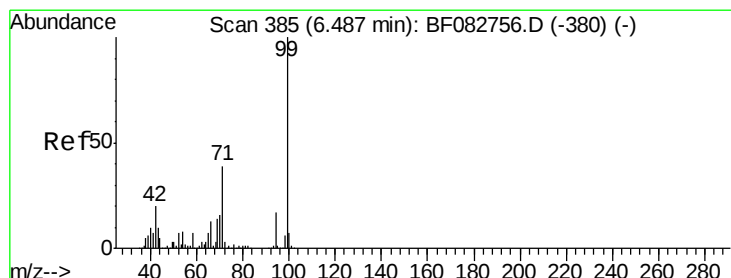
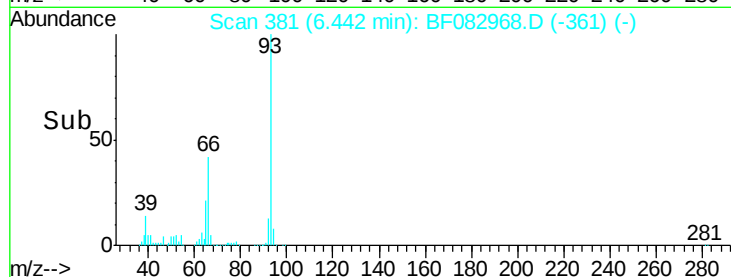
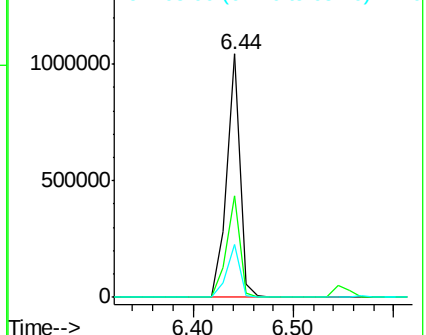
65 21.5 18.1 27.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 4.50 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

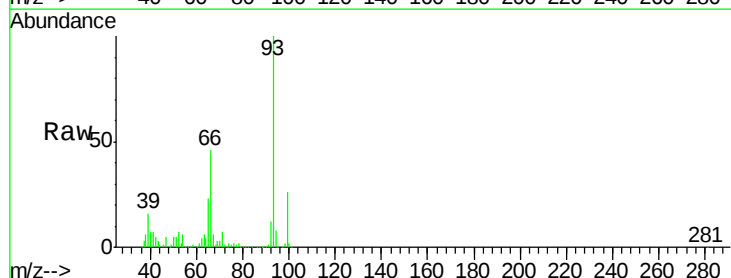
Tgt Ion: 99 Resp: 84176

Ion Ratio Lower Upper

99 100

42 19.4 19.2 28.8

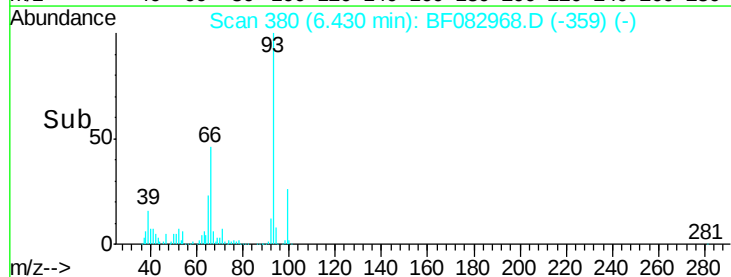
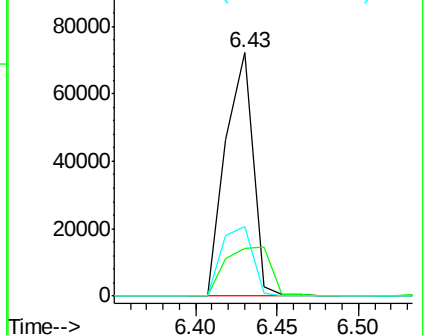
71 28.3 35.0 52.4#

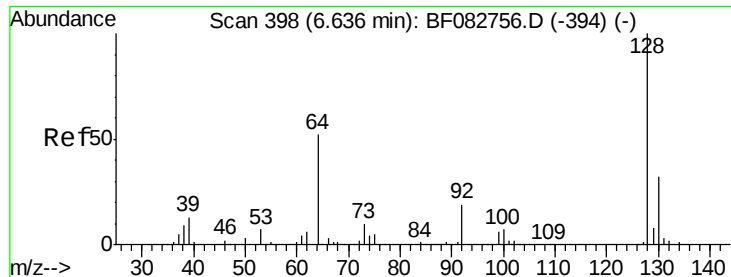


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 2.54 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.07 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

Instrument :

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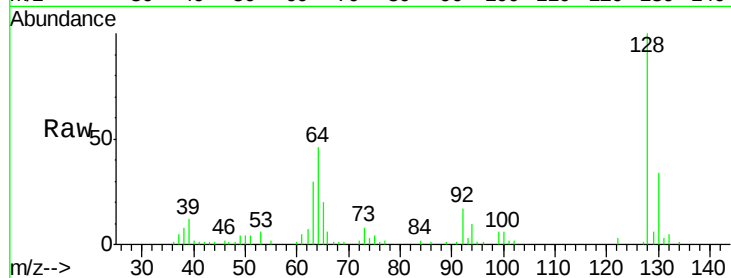
Tot Ion:128 Resp: 39533

Ion Ratio Lower Upper

128 100

130 34.0 13.5 53.5

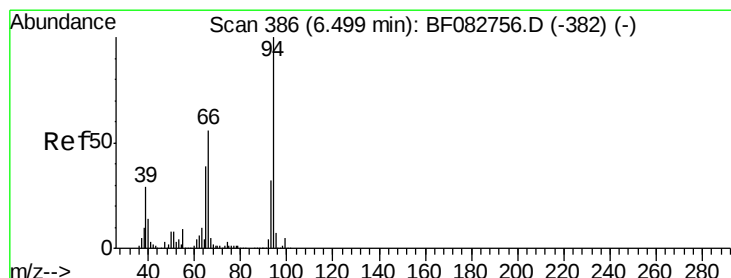
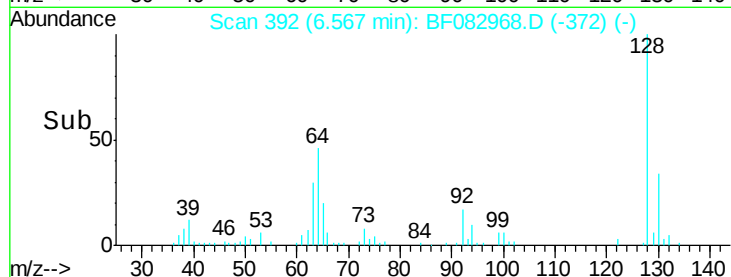
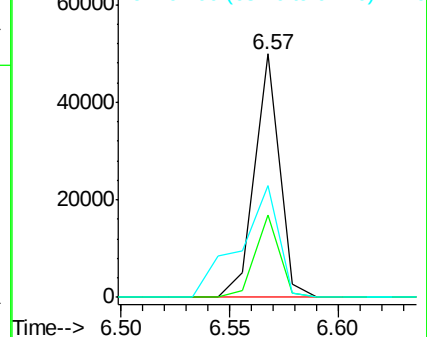
64 46.1 21.1 61.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#10

Phenol

Concen: 3.69 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.06 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

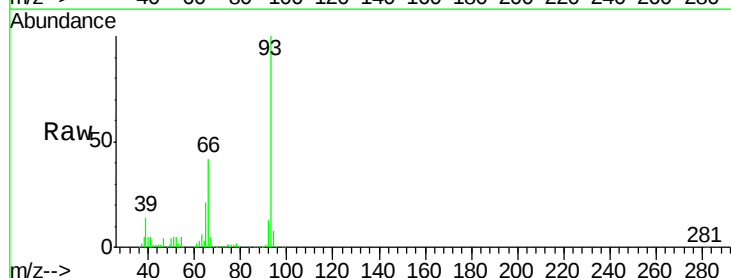
Tgt Ion: 94 Resp: 78166

Ion Ratio Lower Upper

94 100

65 261.1 18.9 58.9#

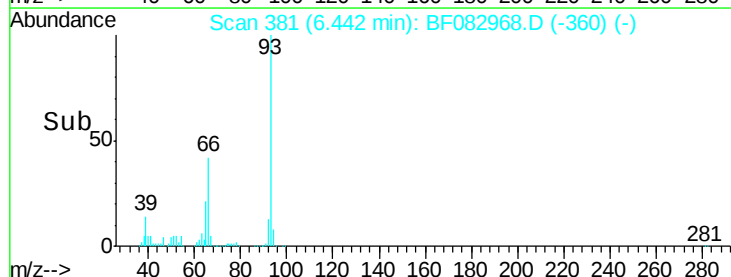
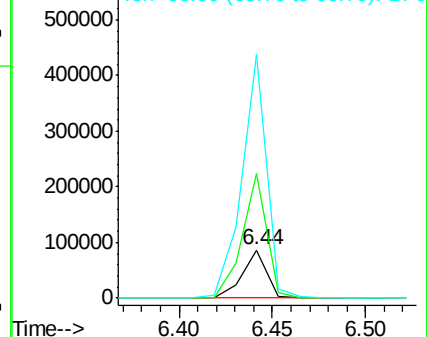
66 509.2 34.9 74.9#

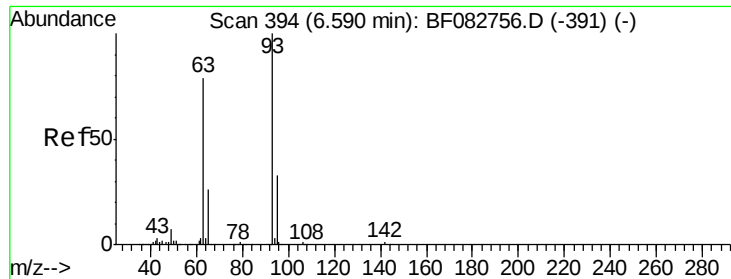


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

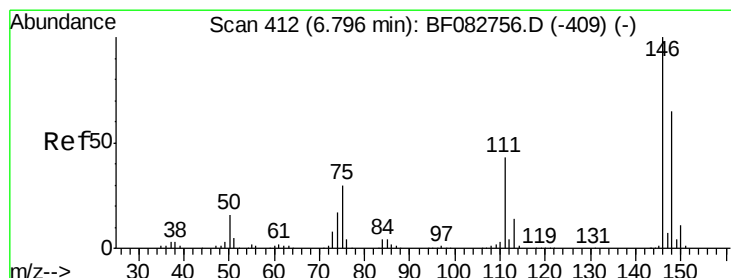
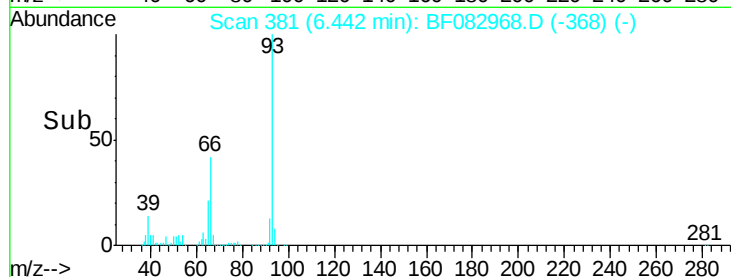
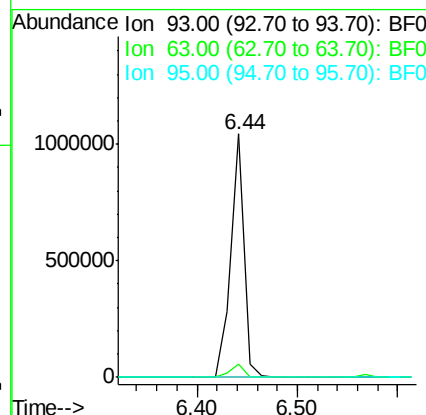
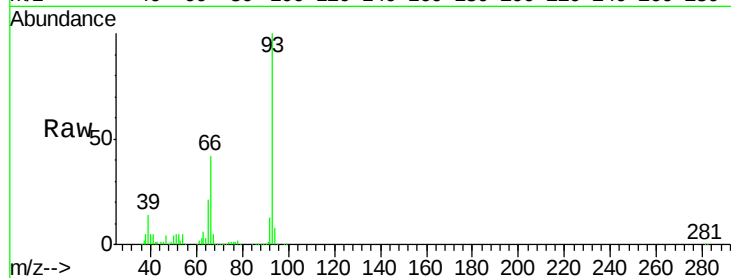




#11
bis(2-Chloroethyl)ether
Concen: 60.62 ng
RT: 6.44 min Scan# 381
Delta R.T. -0.15 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

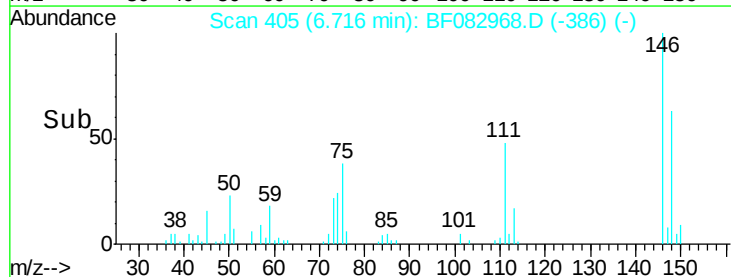
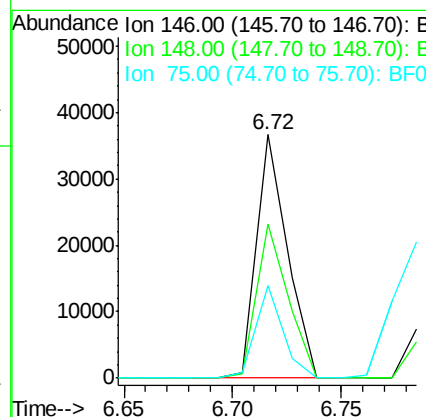
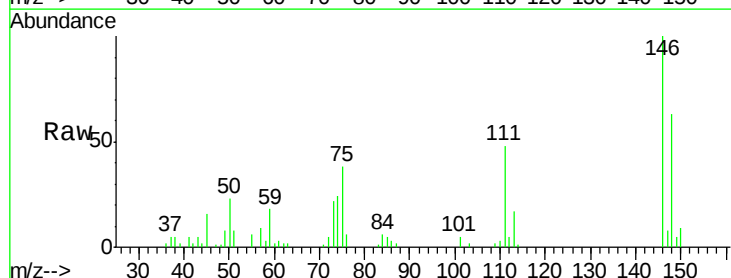
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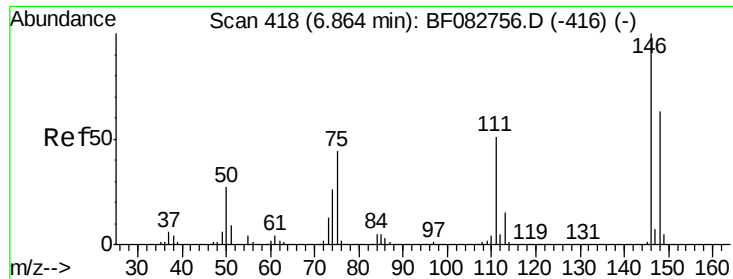
Tot Ion: 93 Resp: 961278
Ion Ratio Lower Upper
93 100
63 5.6 72.7 112.7#
95 0.3 12.0 52.0#



#12
1,3-Dichlorobenzene
Concen: 2.05 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.08 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

Tgt Ion: 146 Resp: 36109
Ion Ratio Lower Upper
146 100
148 63.1 50.5 75.7
75 38.0 39.5 59.3#

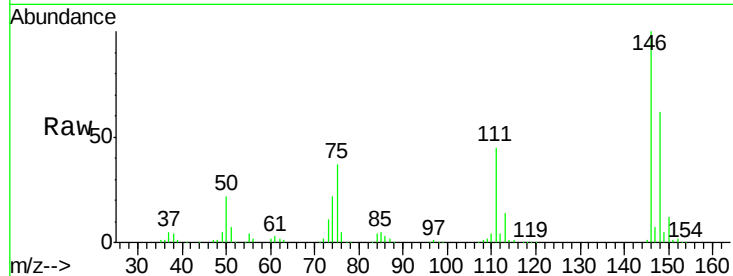




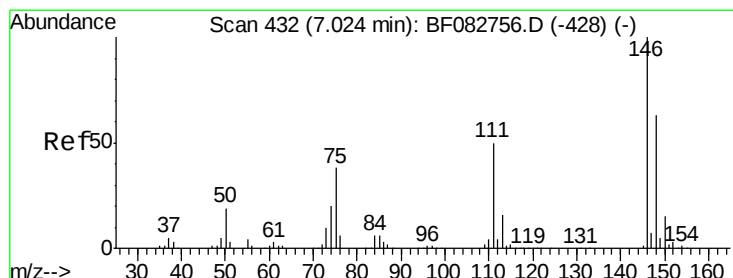
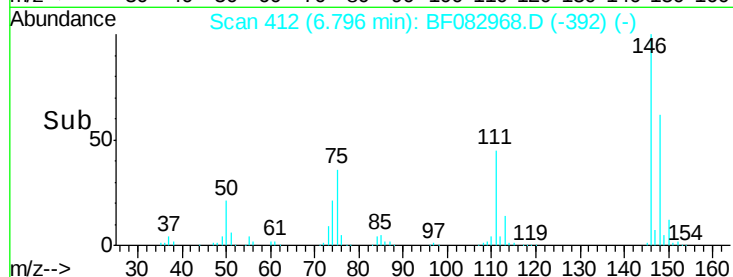
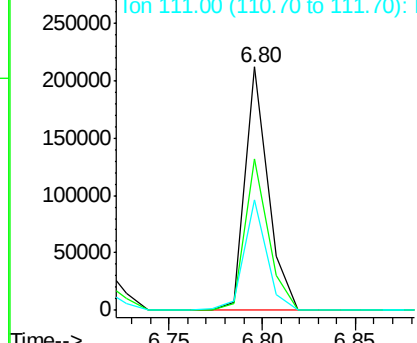
#13
1,4-Dichlorobenzene
Concen: 9.99 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.07 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

Instrument :
BNA_F
ClientSampleId :
SYSDIS1122015DL

Tot Ion:146 Resp: 182722
Ion Ratio Lower Upper
146 100
148 62.1 50.8 76.2
111 45.4 40.6 60.8

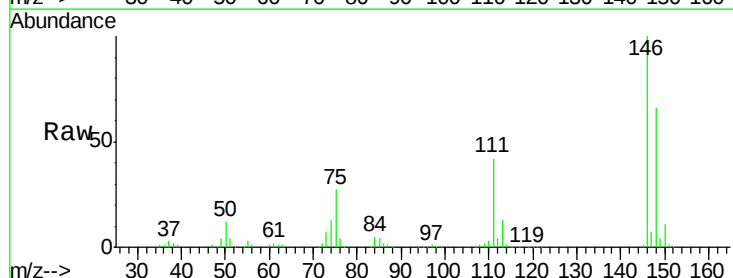


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

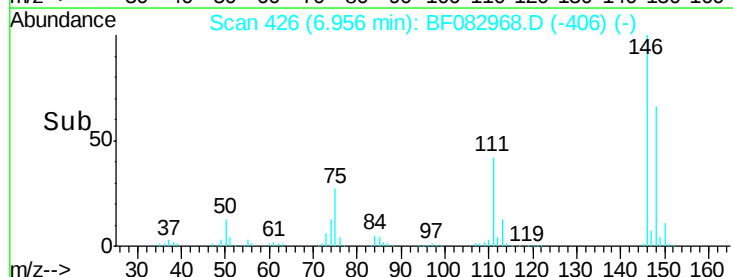
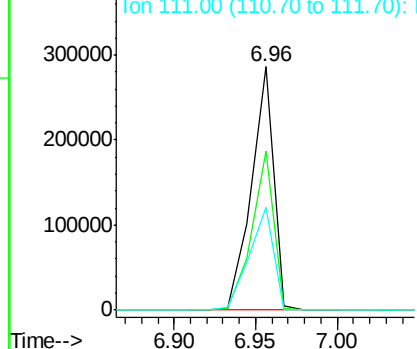


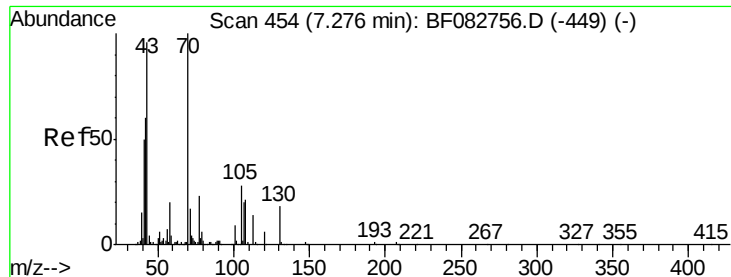
#14
1,2-Dichlorobenzene
Concen: 16.24 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.07 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

Tgt Ion:146 Resp: 270019
Ion Ratio Lower Upper
146 100
148 65.6 52.2 78.4
111 42.0 36.6 55.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

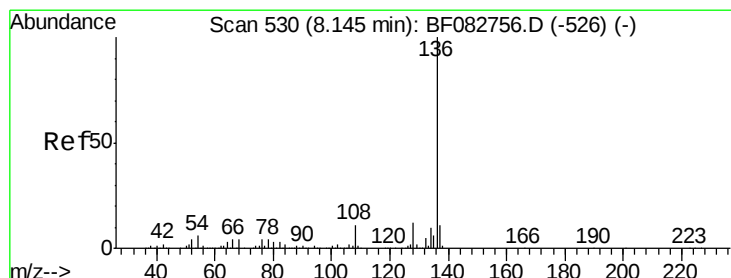
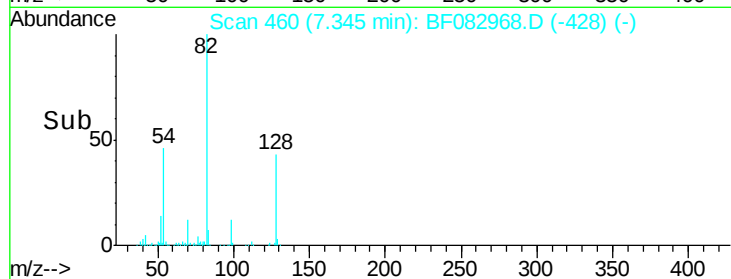
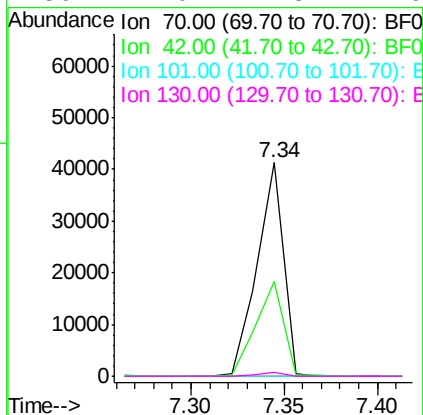
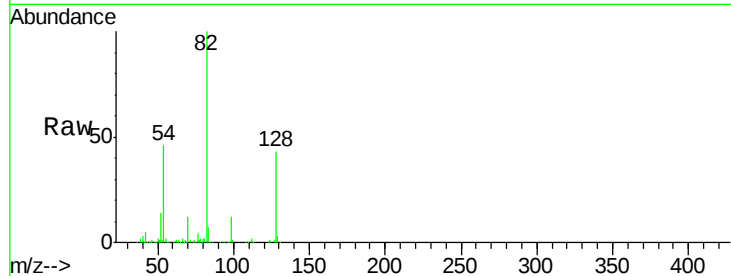




#19
n-Nitroso-di-n-propylamine
Concen: 2.93 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.07 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

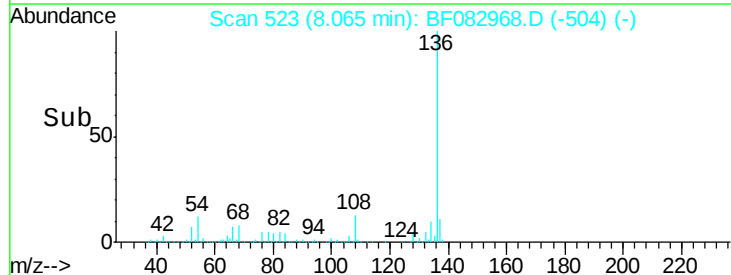
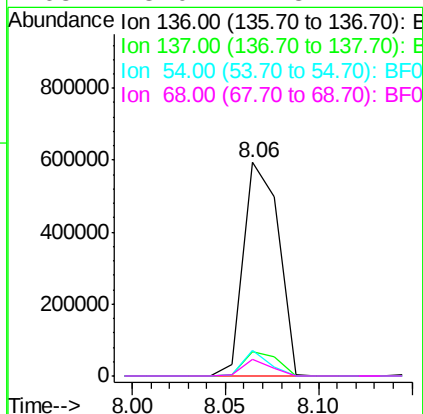
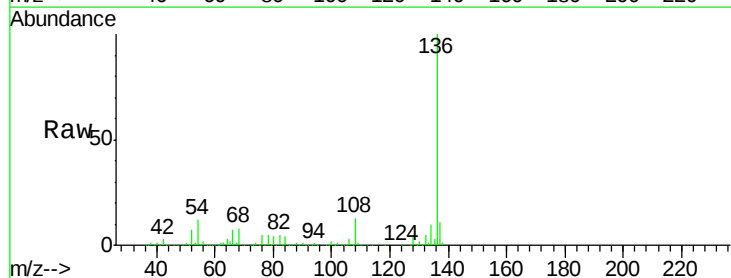
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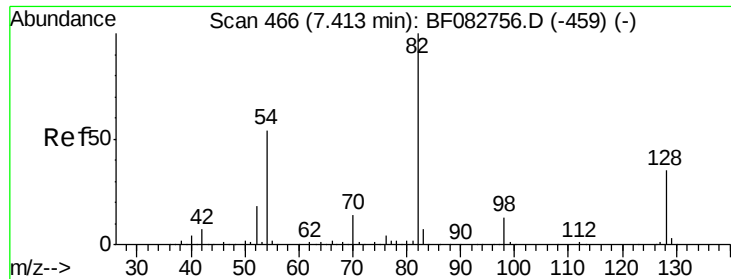
Tot Ion: 70 Resp: 40260
Ion Ratio Lower Upper
70 100
42 44.4 57.7 86.5#
101 0.0 7.0 10.6#
130 2.0 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.08 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

Tgt Ion: 136 Resp: 773538
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 12.1 9.1 13.7
68 8.0 4.8 7.2#

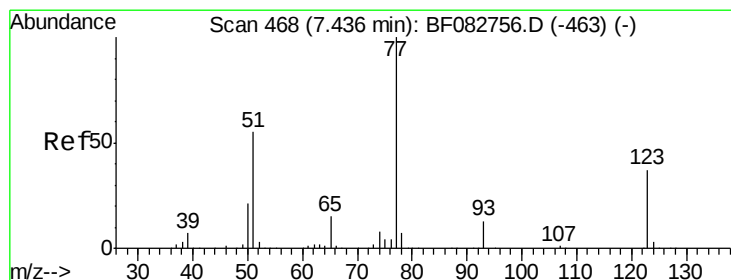
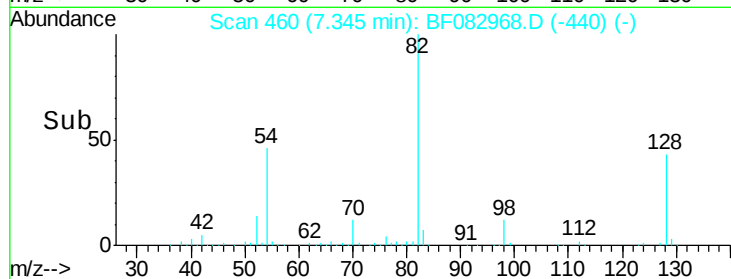
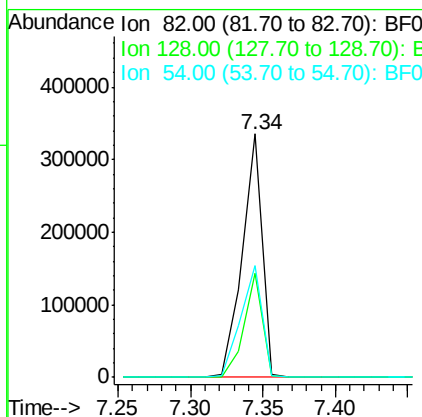
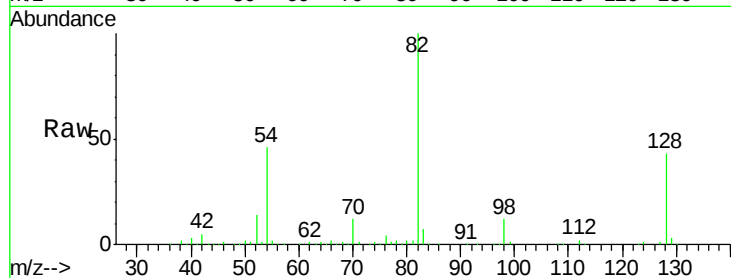




#23
 Nitrobenzene-d5
 Concen: 17.97 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.07 min
 Lab File: BF082968.D
 Acq: 17 Nov 2015 11:57

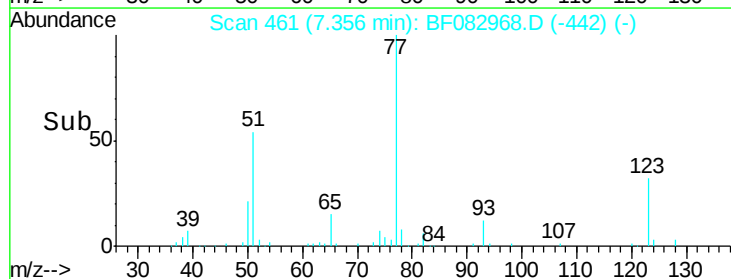
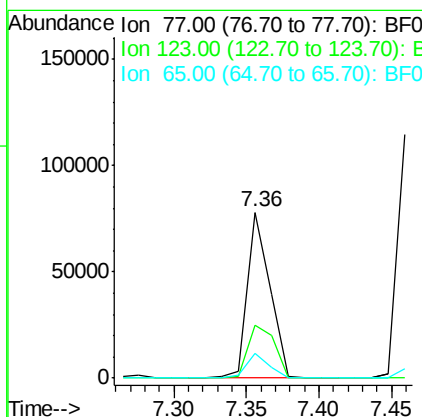
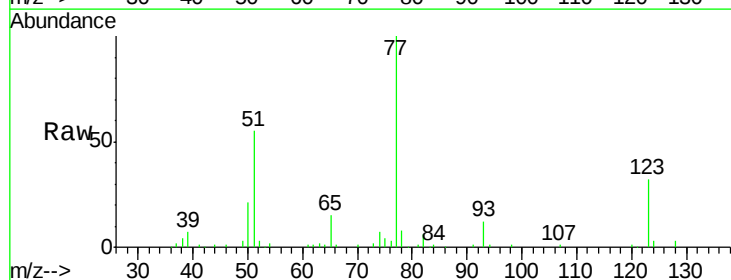
Instrument :
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 ClientSampleId :
 SYSDIS1122015DL

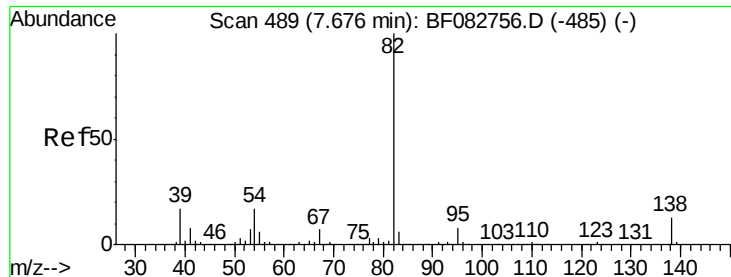
Tot Ion	82	Resp	319398
Ion Ratio	100	Lower	Upper
128	42.9	26.8	40.2#
54	46.1	45.7	68.5



#24
 Nitrobenzene
 Concen: 4.63 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.08 min
 Lab File: BF082968.D
 Acq: 17 Nov 2015 11:57

Tgt Ion	77	Resp	84207
Ion Ratio	100	Lower	Upper
123	31.5	36.4	54.6#
65	14.9	11.5	17.3





#25

Isophorone

Concen: 9.64 ng

RT: 7.34 min Scan# 460

Delta R.T. -0.33 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015DL

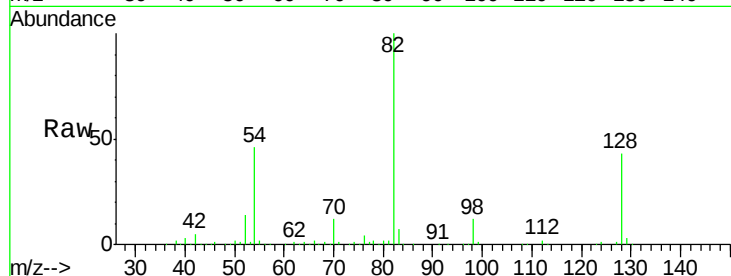
Tot Ion: 82 Resp: 317065

Ion Ratio Lower Upper

82 100

95 0.0 6.6 9.8#

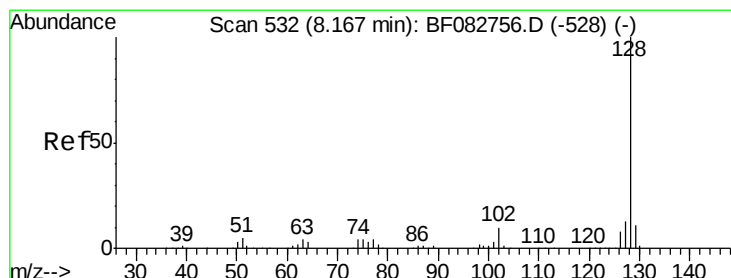
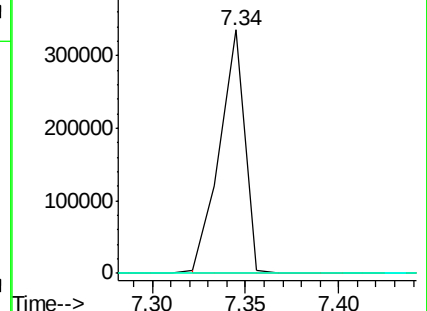
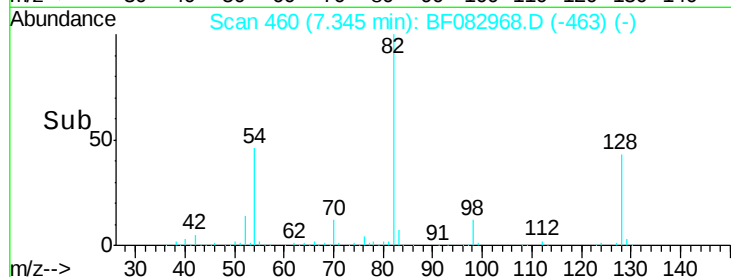
138 0.0 11.4 17.0#



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: 5.83 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.11 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

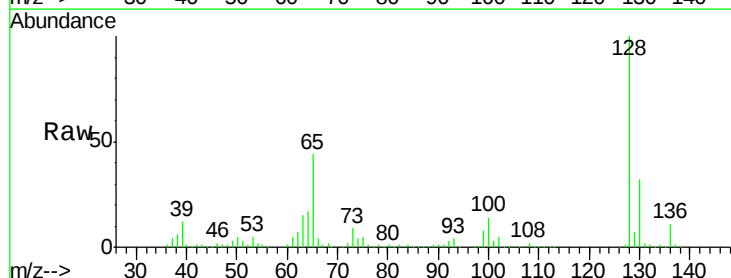
Tgt Ion: 128 Resp: 248643

Ion Ratio Lower Upper

128 100

129 6.9 9.5 14.3#

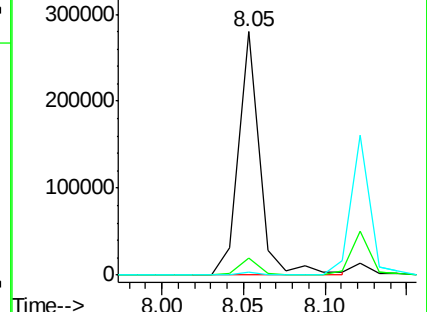
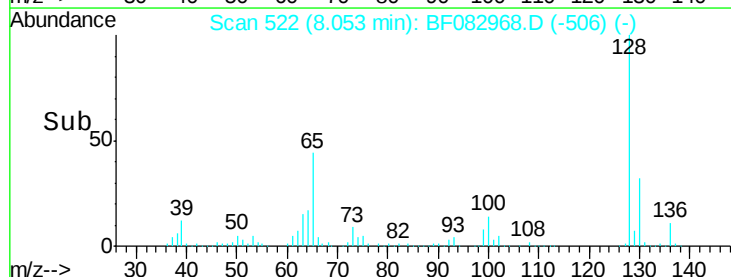
127 1.2 11.4 17.0#

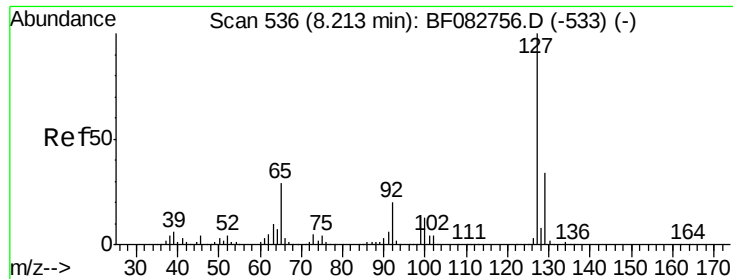


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

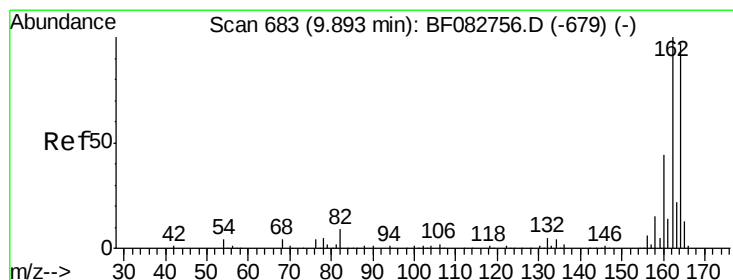
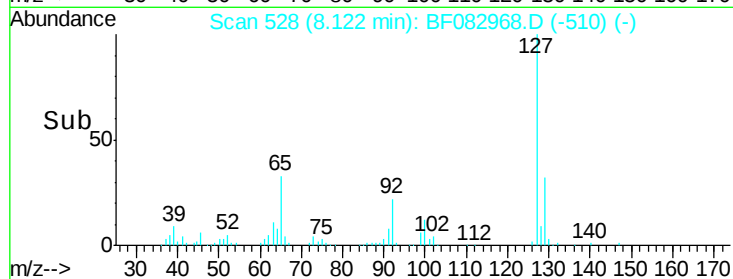
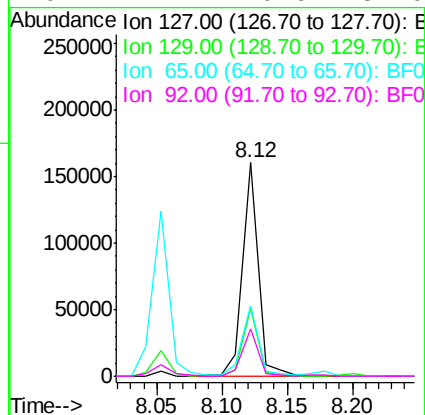
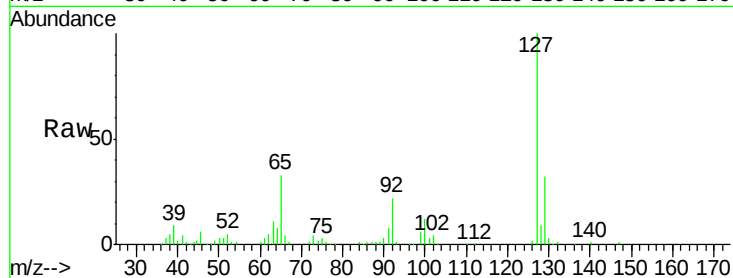




#33
4-Chloroaniline
Concen: 7.20 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.09 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

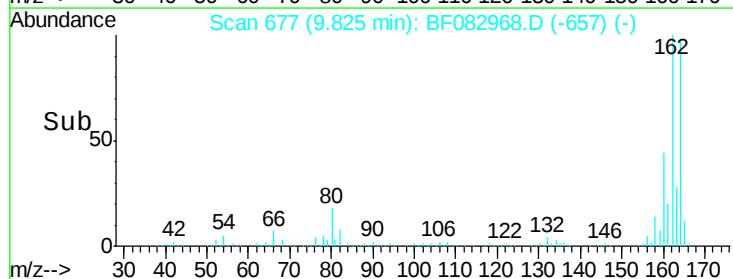
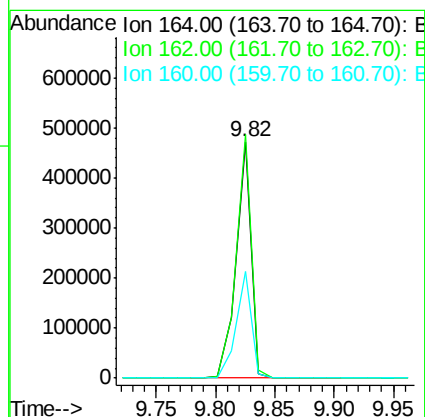
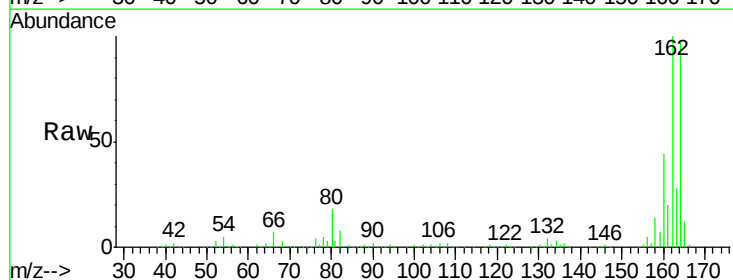
Instrument :
BNA_F
ClientSampleId :
SYSDIS1122015DL

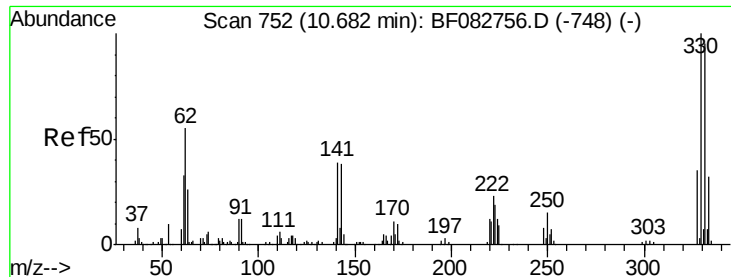
Tot Ion:127	Resp:	132482
Ion Ratio	Lower	Upper
127	100	
129	32.0	26.3 39.5
65	33.0	37.8 56.8#
92	22.2	20.6 31.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.07 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

Tgt Ion:164	Resp:	418715
Ion Ratio	Lower	Upper
164	100	
162	103.0	84.9 127.3
160	45.1	37.5 56.3

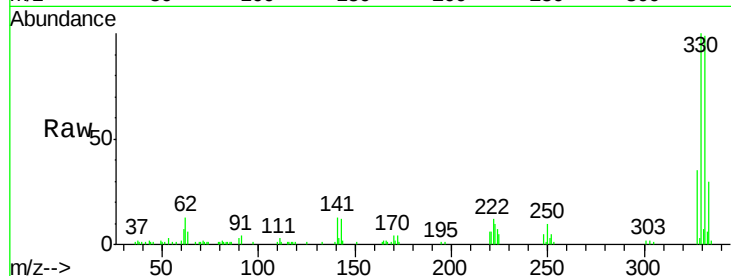




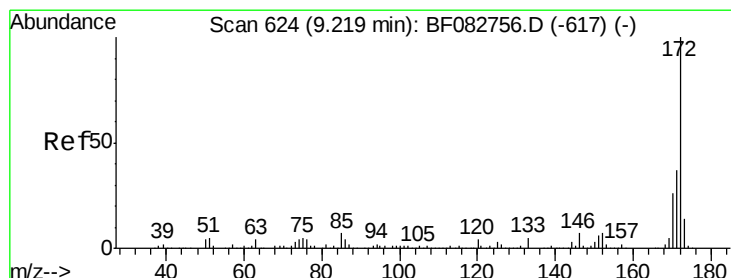
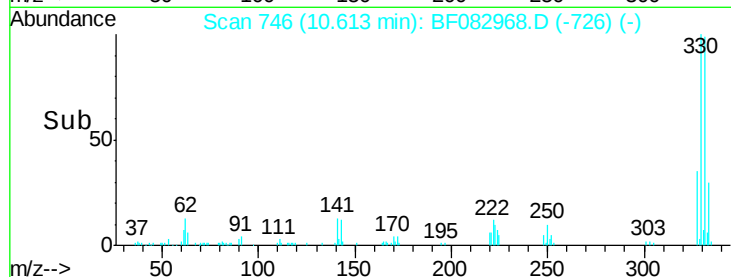
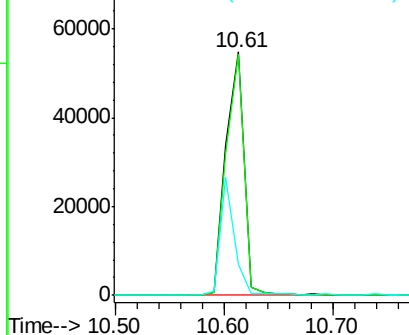
#41
 2,4,6-Tribromophenol
 Concen: 13.27 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.07 min
 Lab File: BF082968.D
 Acq: 17 Nov 2015 11:57

Instrument :
 BNA_F
 ClientSampleId :
 SYSDIS1122015DL

Tot Ion:330 Resp: 63713
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 114.8
 141 39.2 41.2 61.8#

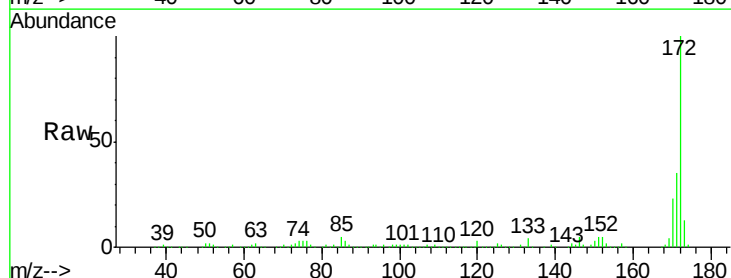


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

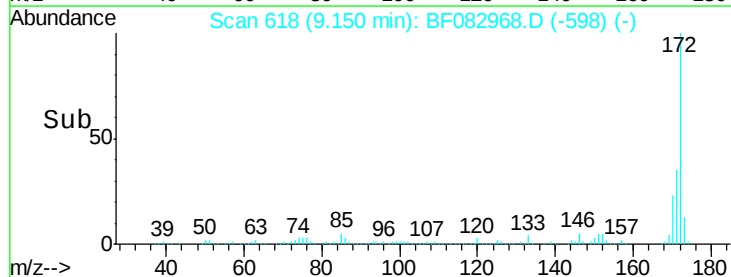
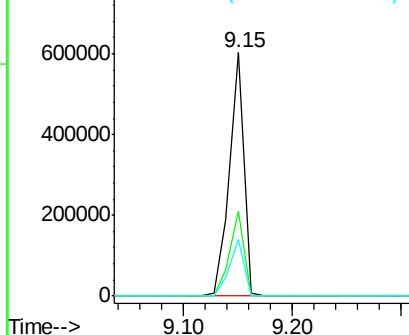


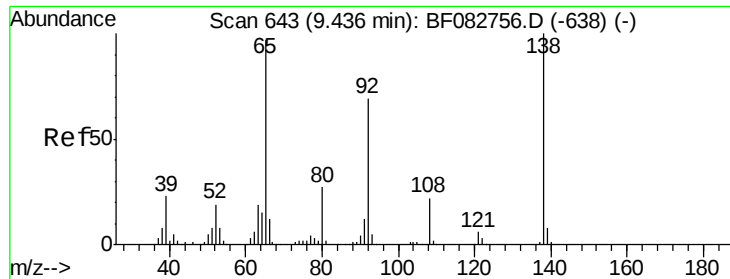
#44
 2-Fluorobiphenyl
 Concen: 19.02 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF082968.D
 Acq: 17 Nov 2015 11:57

Tgt Ion:172 Resp: 555809
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.8 46.2
 170 23.4 21.2 31.8



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





#47

2-Nitroaniline

Concen: 3.35 ng

RT: 9.37 min Scan# 637

Delta R.T. -0.07 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015DL

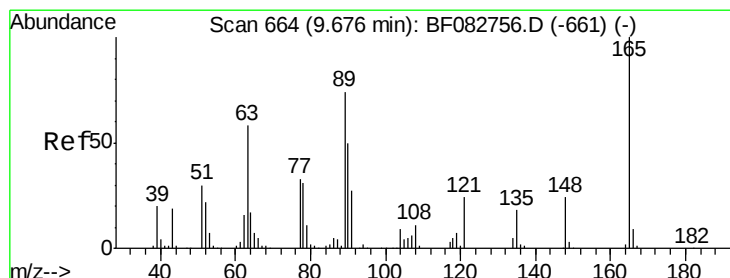
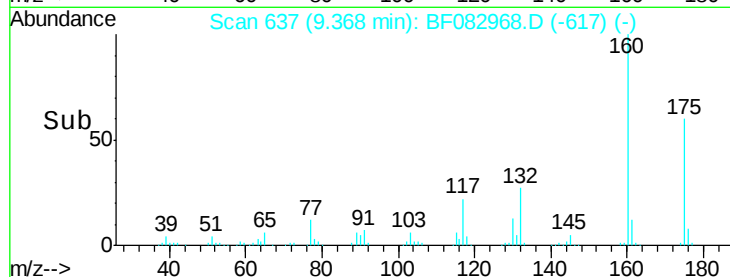
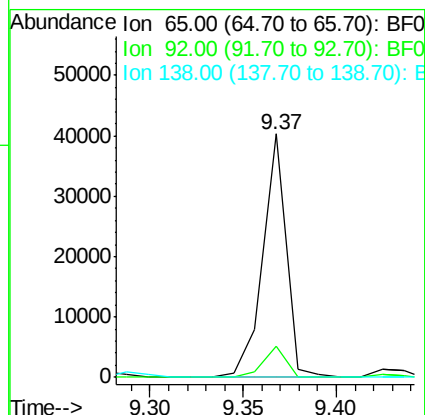
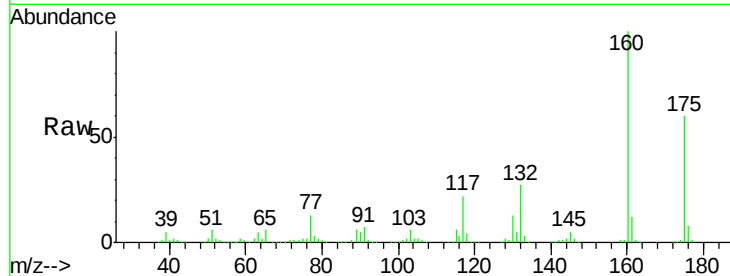
Tot Ion: 65 Resp: 34837

Ion Ratio Lower Upper

65 100

92 12.9 46.6 70.0#

138 0.0 54.6 81.8#



#50

2,6-Dinitrotoluene

Concen: 7.39 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.15 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

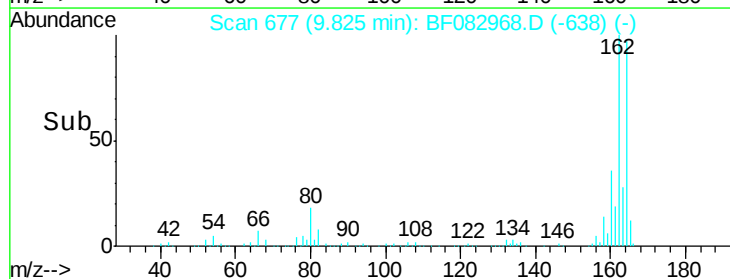
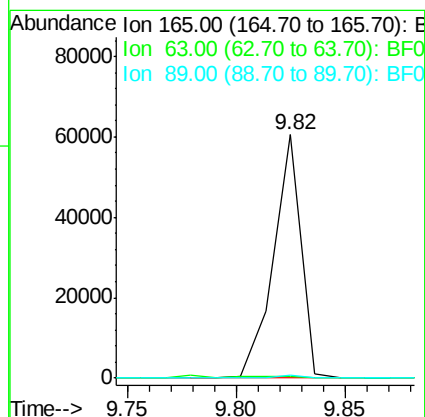
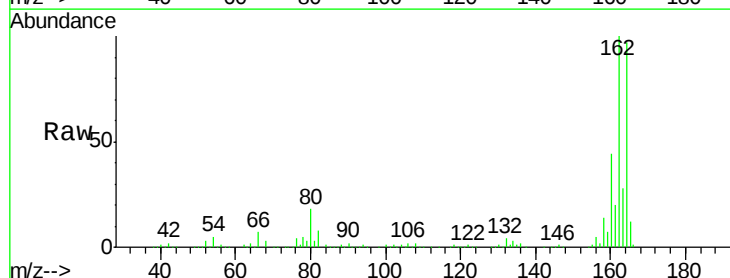
Tgt Ion:165 Resp: 54066

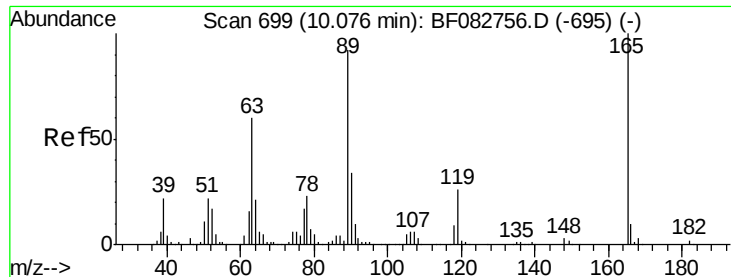
Ion Ratio Lower Upper

165 100

63 0.9 55.5 83.3#

89 1.1 55.0 82.6#

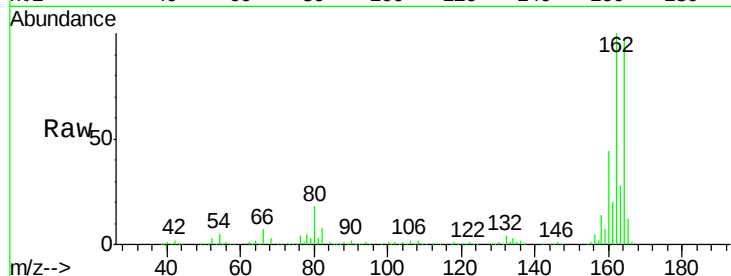




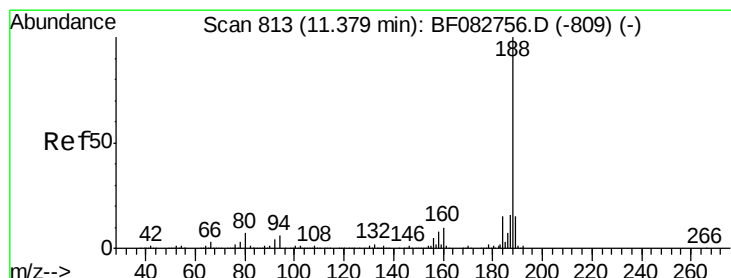
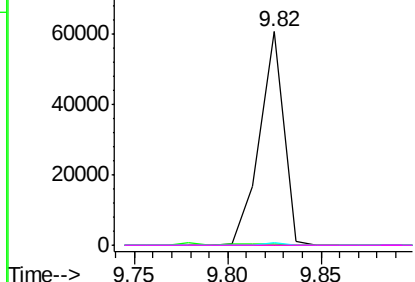
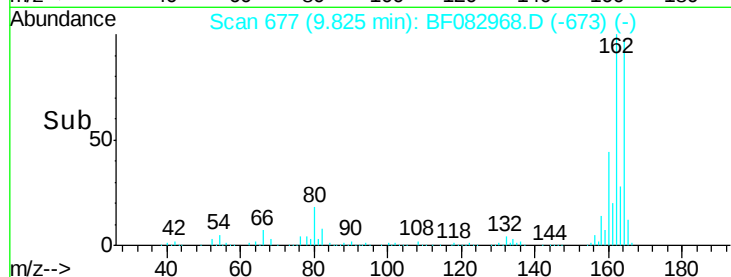
#56
2,4-Dinitrotoluene
Concen: 5.44 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.25 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

Instrument :
BNA_F
ClientSampleId :
SYSDIS1122015DL

Tot Ion:165 Resp: 54070
Ion Ratio Lower Upper
165 100
63 0.9 43.4 65.0#
89 1.1 70.6 106.0#
182 0.0 1.5 2.3#

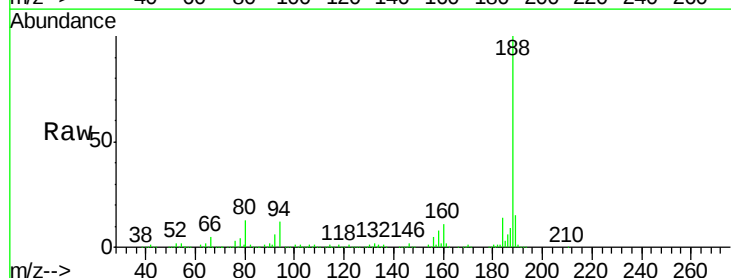


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

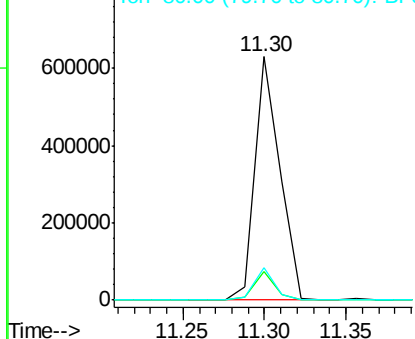
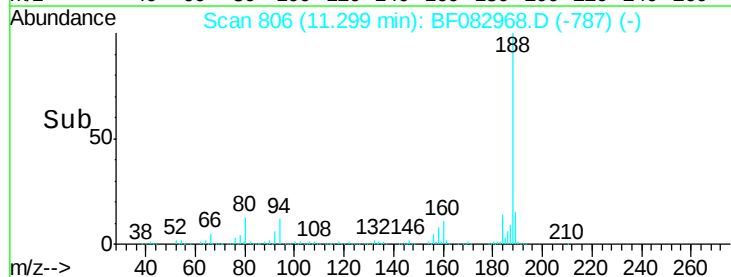


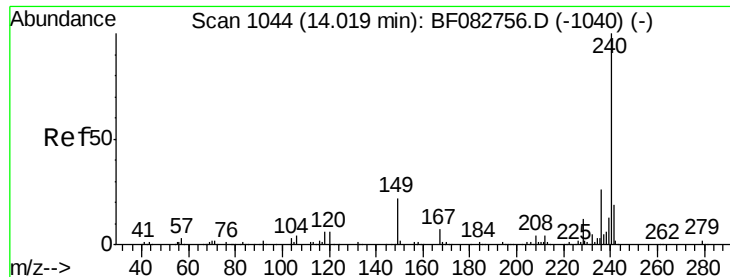
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.08 min
Lab File: BF082968.D
Acq: 17 Nov 2015 11:57

Tgt Ion:188 Resp: 671613
Ion Ratio Lower Upper
188 100
94 11.6 6.1 9.1#
80 13.4 7.0 10.6#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015DL

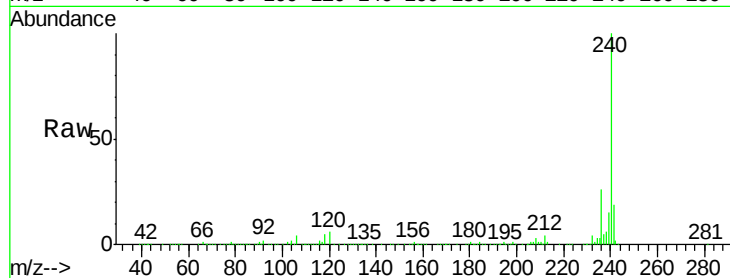
Tot Ion:240 Resp: 521971

Ion Ratio Lower Upper

240 100

120 5.8 10.9 16.3#

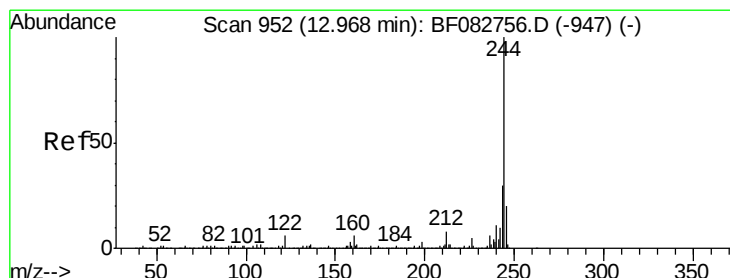
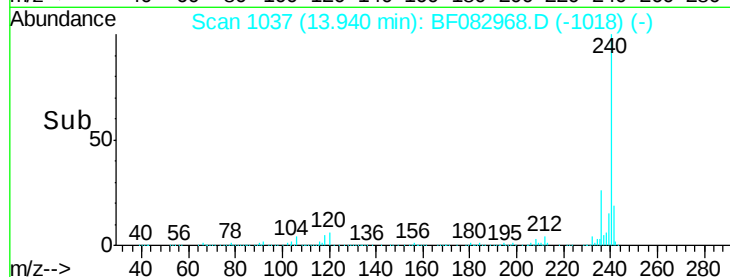
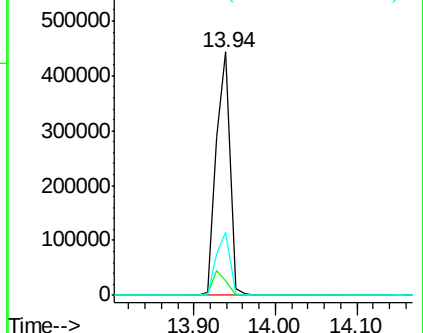
236 26.2 21.6 32.4



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: 20.45 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

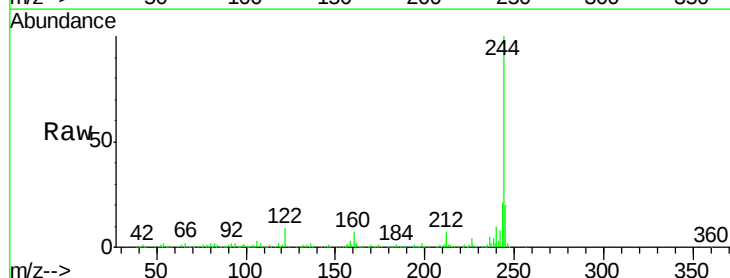
Tgt Ion:244 Resp: 450092

Ion Ratio Lower Upper

244 100

212 7.1 7.6 11.4#

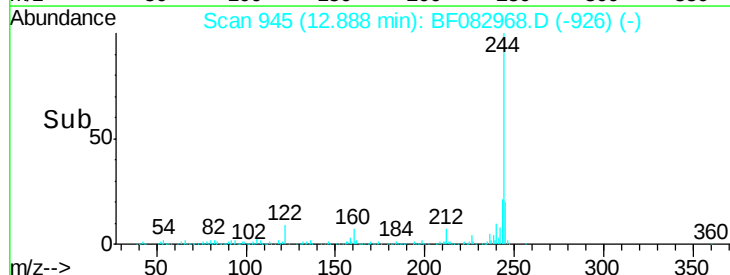
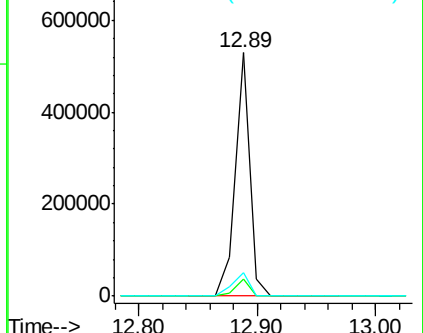
122 9.4 11.3 16.9#

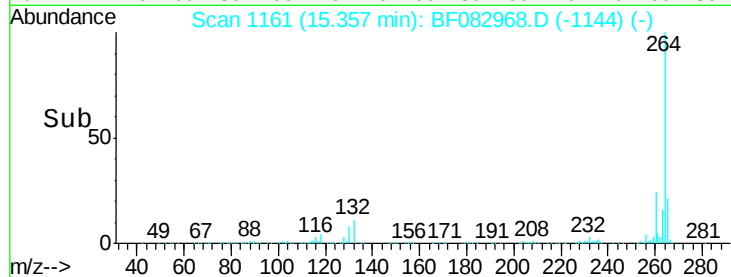
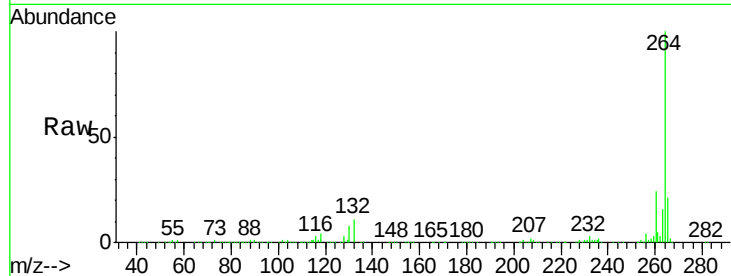
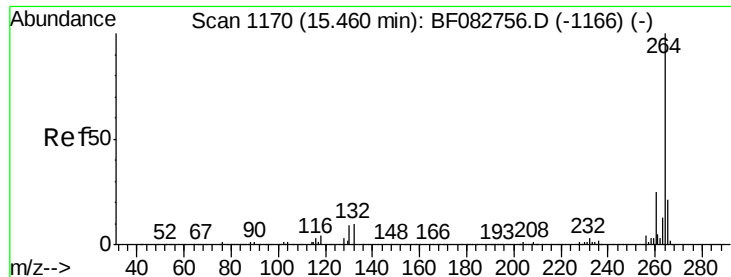


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.10 min

Lab File: BF082968.D

Acq: 17 Nov 2015 11:57

Instrument :

BNA_F

ClientSampleId :

SYSDIS1122015DL

Tot Ion:264 Resp: 464889

Ion Ratio Lower Upper

264 100

260 23.9 19.8 29.6

265 21.3 17.4 26.0

