

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083976.D
 Acq On : 20 Dec 2015 3:35
 Operator : UM/SJ
 Sample : G4855-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

Quant Time: Dec 20 07:09:04 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

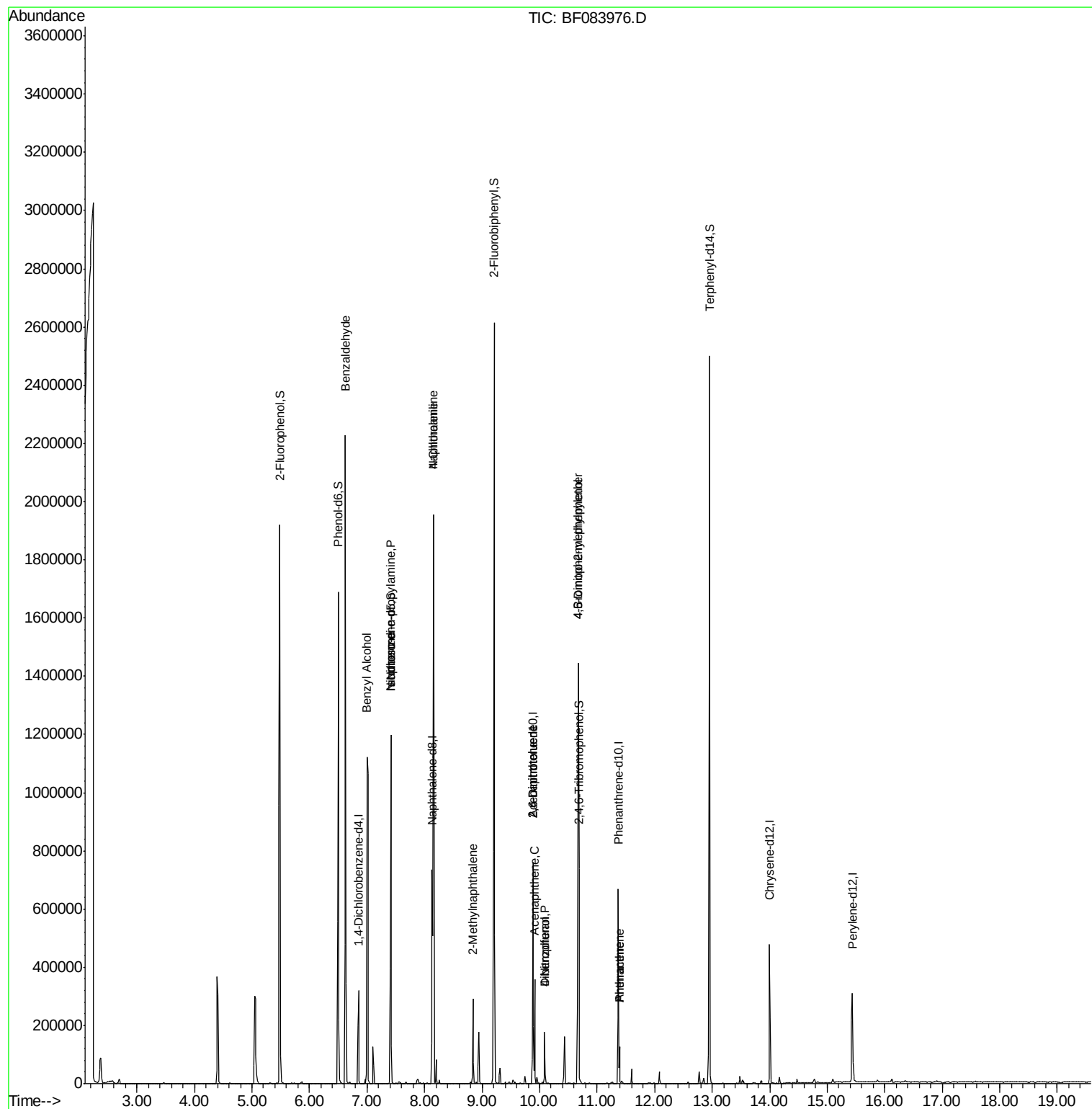
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	63210	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	330144	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	154310	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	256075	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	185926	20.00	ng	-0.03
86) Perylene-d12	15.44	264	161254	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	606869	150.25	ng	0.00
7) Phenol-d6	6.50	99	635477	128.54	ng	-0.01
23) Nitrobenzene-d5	7.41	82	410390	70.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	239892	141.12	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	915306	82.98	ng	-0.03
78) Terphenyl-d14	12.96	244	935853	120.28	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	14085	4.73	ng	89
15) Benzyl Alcohol	7.00	79	7766	2.08	ng	# 41
19) n-Nitroso-di-n-propylamine	7.41	70	56582	19.63	ng	# 78
25) Isophorone	7.41	82	314773	28.92	ng	# 66
31) Naphthalene	8.16	128	854111	51.68	ng	100
33) 4-Chloroaniline	8.16	127	117821	15.72	ng	# 34
37) 2-Methylnaphthalene	8.84	142	84825	7.39	ng	96
46) 2-Chloronaphthalene	9.47	162	207	Below Cal	#	33
50) 2,6-Dinitrotoluene	9.88	165	20128	7.13	ng	# 37
51) Acenaphthene	9.92	154	75112	6.79	ng	99
54) Dibenzofuran	10.09	168	68466	4.77	ng	97
55) 4-Nitrophenol	10.09	139	26797	14.42	ng	# 11
56) 2,4-Dinitrotoluene	9.88	165	20129	5.56	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.67	198	280	4.09	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	14766	4.72	ng	# 1
70) Phenanthrene	11.39	178	48091	3.11	ng	98
71) Anthracene	11.39	178	48091	3.22	ng	98
77) Pyrene	12.81	202	1769	Below Cal		95

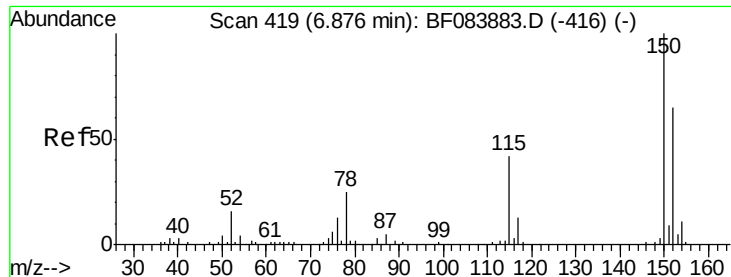
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
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QLast Update : Fri Dec 18 14:23:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

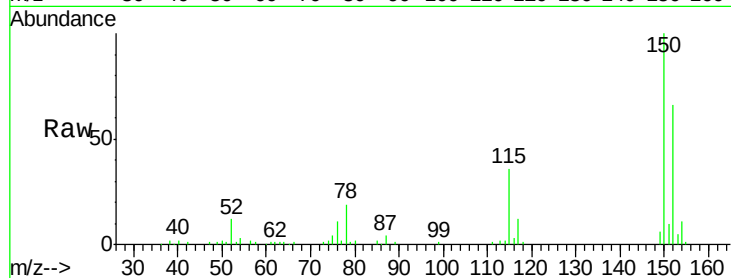
Tgt Ion:152 Resp: 63210

Ion Ratio Lower Upper

152 100

150 151.8 123.0 184.4

115 55.2 51.4 77.2

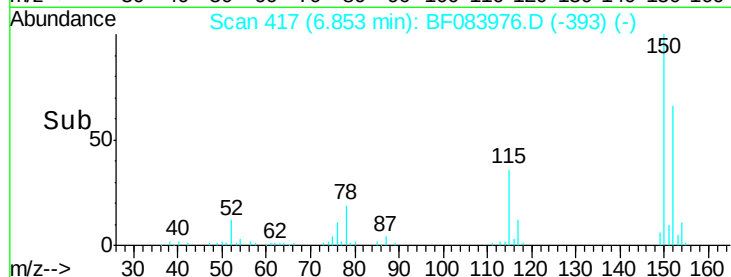


Abundance Ion 152.00 (151.70 to 152.70): E

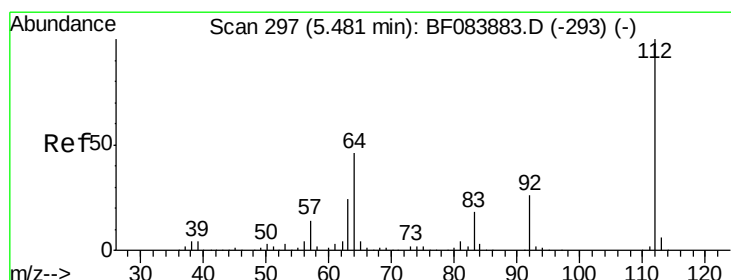
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->



Time-->



#5

2-Fluorophenol

Concen: 150.25 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

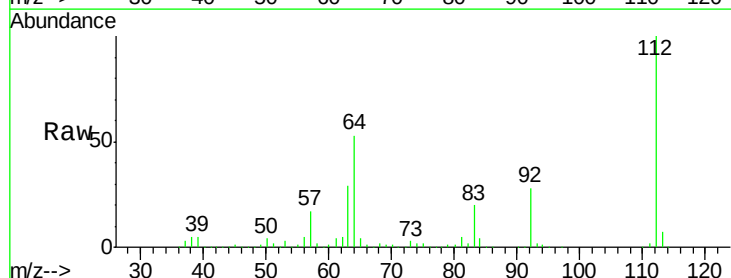
Tgt Ion:112 Resp: 606869

Ion Ratio Lower Upper

112 100

64 53.4 36.6 55.0

63 28.7 19.4 29.0

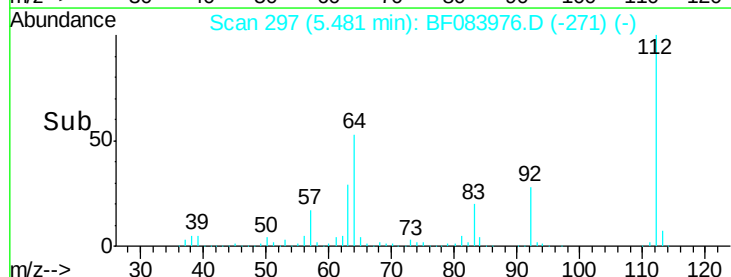


Abundance Ion 112.00 (111.70 to 112.70): E

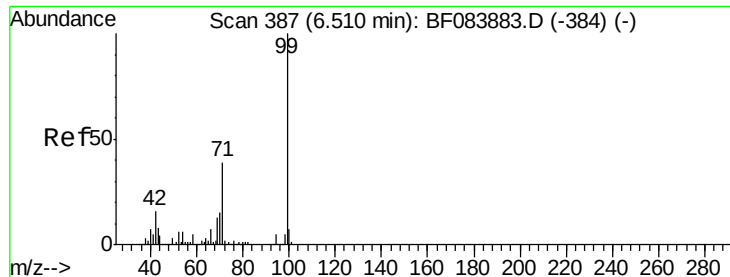
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->



Time-->



#7

Phenol-d6

Concen: 128.54 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

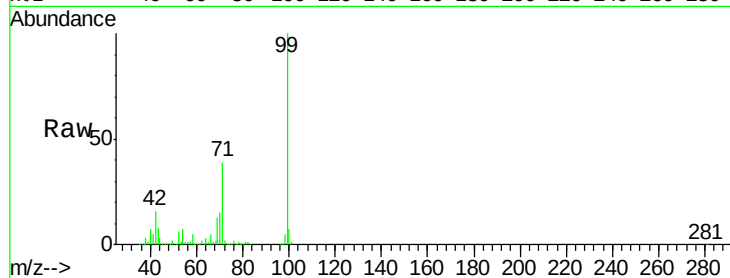
Tgt Ion: 99 Resp: 635477

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

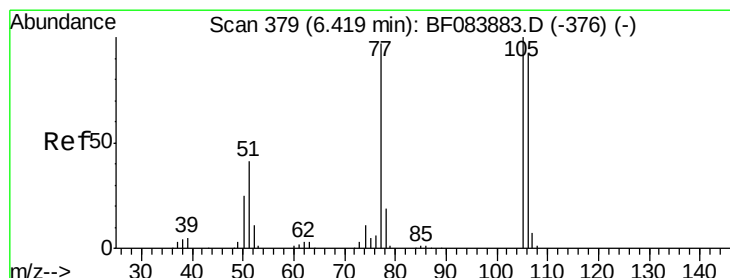
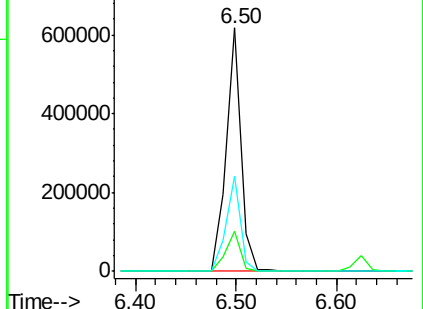
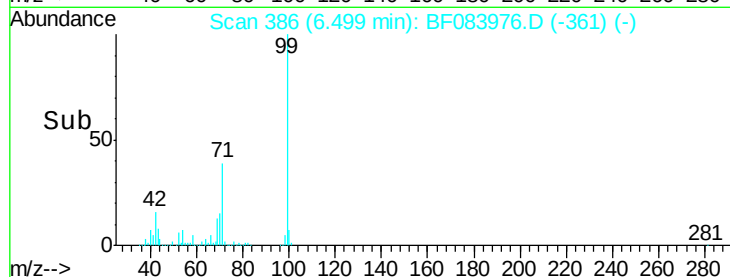
71 39.0 30.9 46.3



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: 4.73 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.21 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

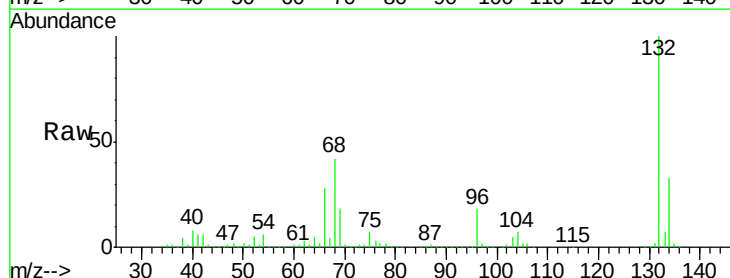
Tgt Ion: 77 Resp: 14085

Ion Ratio Lower Upper

77 100

105 88.4 83.0 123.0

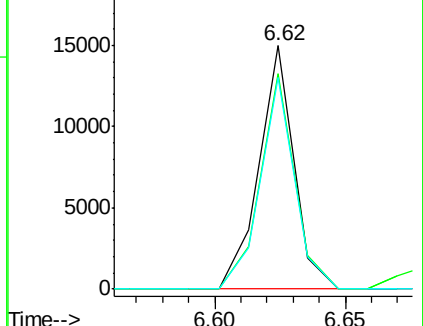
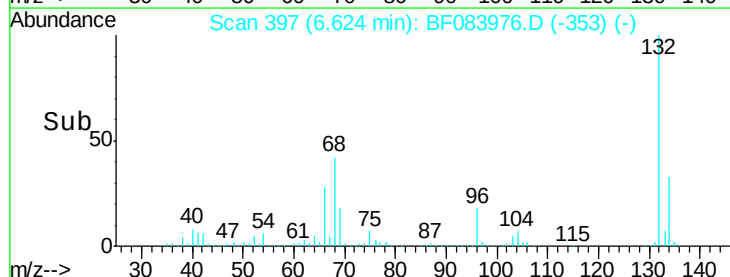
106 87.0 74.6 114.6

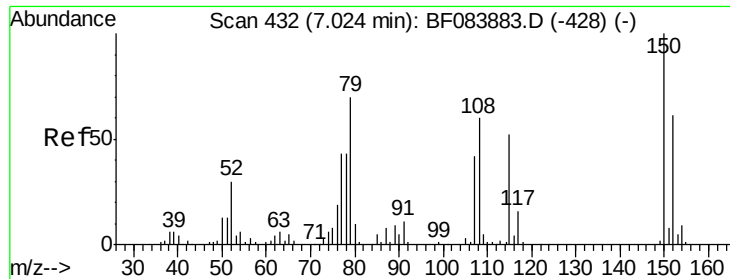


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

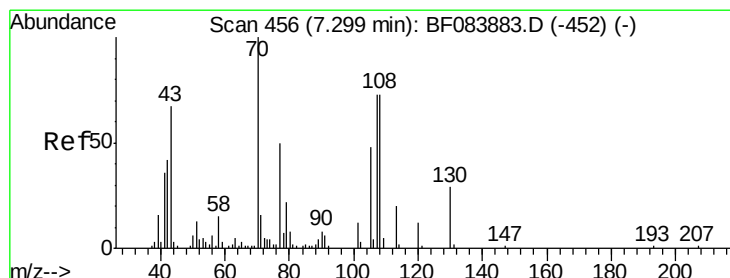
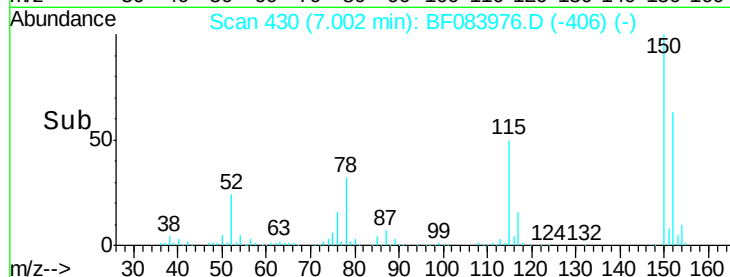
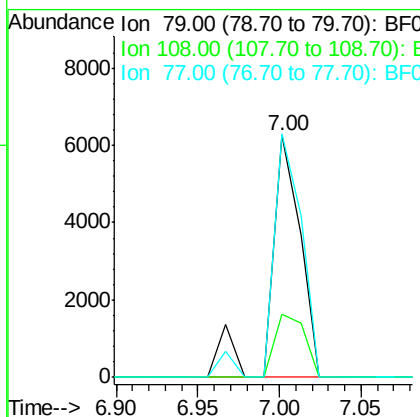
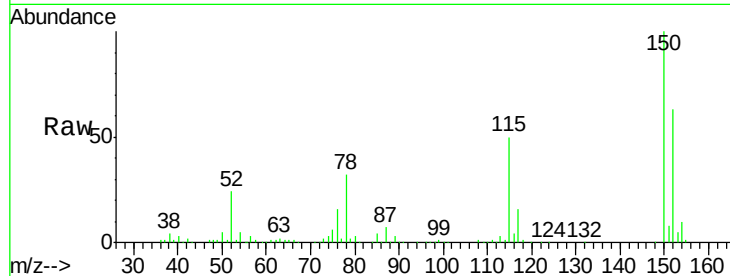




#15
Benzyl Alcohol
Concen: 2.08 ng
RT: 7.00 min Scan# 430
Delta R.T. -0.02 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

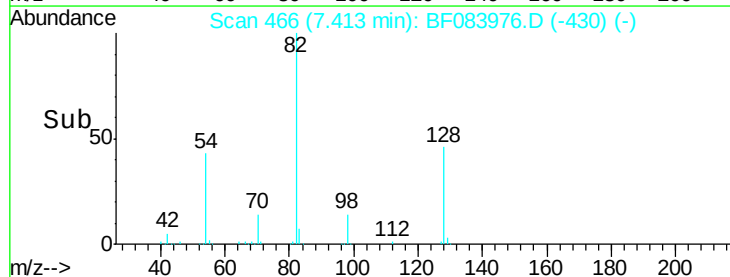
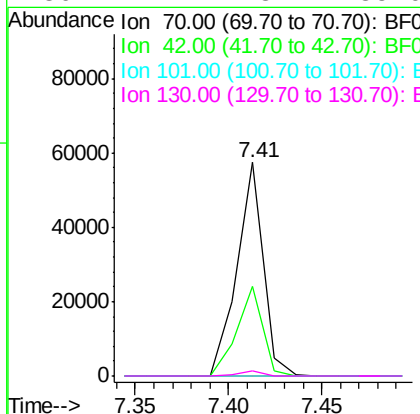
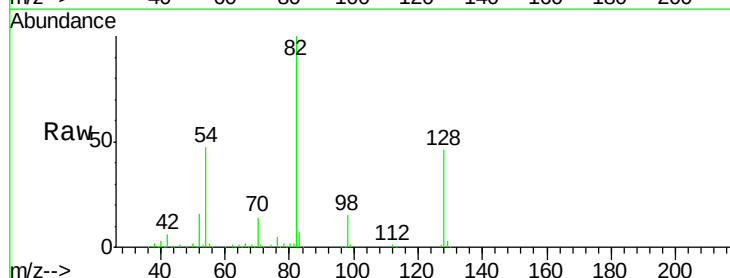
Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

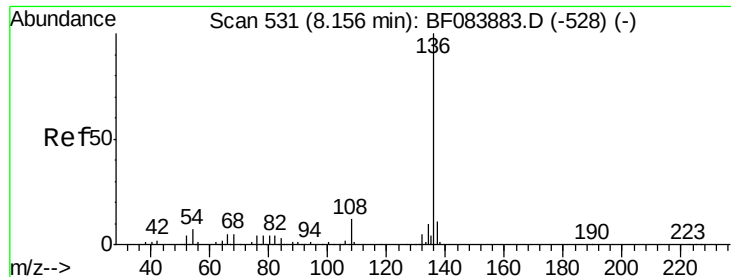
Tgt Ion: 79 Resp: 7766
Ion Ratio Lower Upper
79 100
108 26.3 69.0 103.4#
77 100.7 50.0 75.0#



#19
n-Nitroso-di-n-propylamine
Concen: 19.63 ng
RT: 7.41 min Scan# 466
Delta R.T. 0.11 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion: 70 Resp: 56582
Ion Ratio Lower Upper
70 100
42 41.8 33.3 49.9
101 0.0 9.3 13.9#
130 2.4 23.4 35.0#

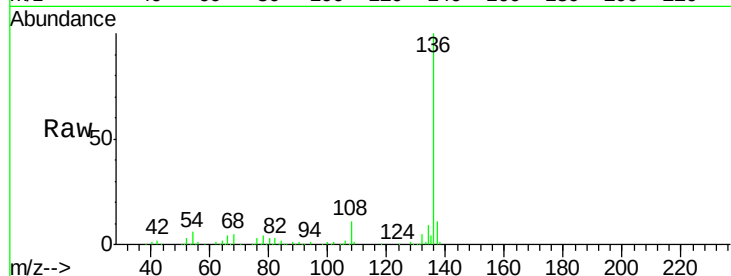




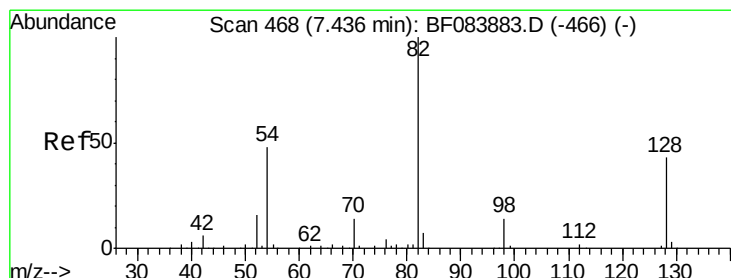
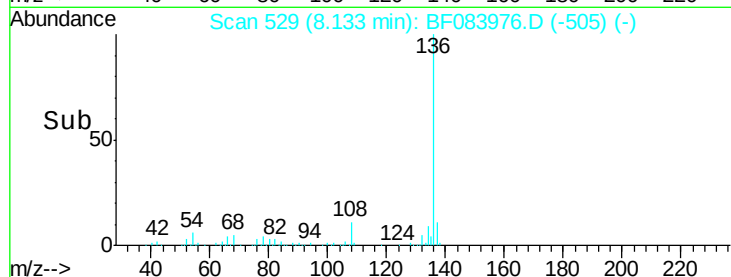
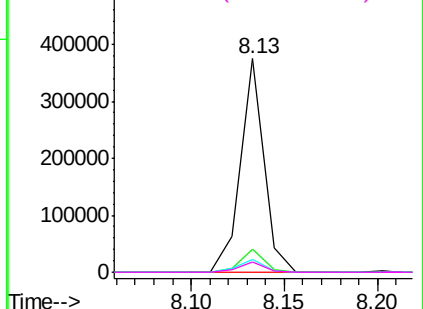
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tgt Ion:	136	Resp:	330144
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	5.9	5.8	8.8
68	4.9	4.2	6.2

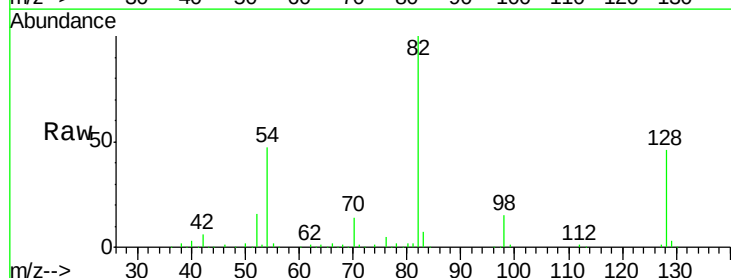


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

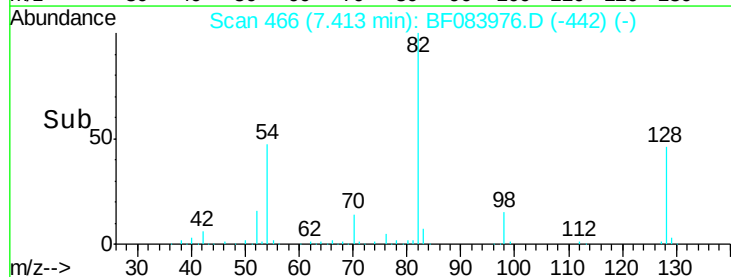
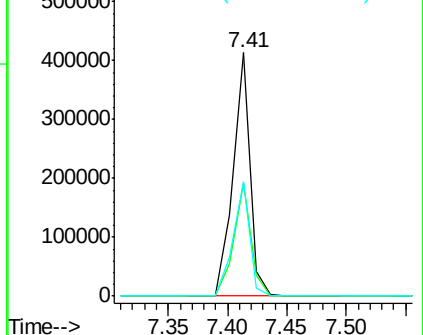


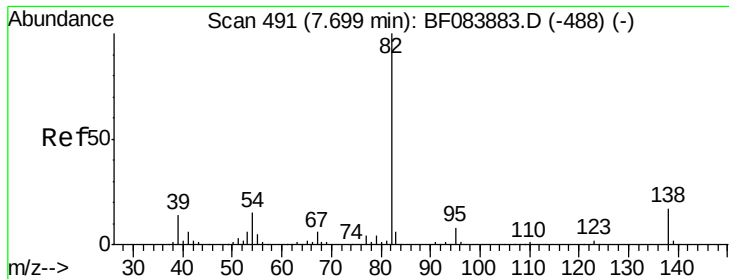
#23
Nitrobenzene-d5
Concen: 70.94 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.02 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion:	82	Resp:	410390
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.6	51.8
54	46.9	38.4	57.6



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: 28.92 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.29 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

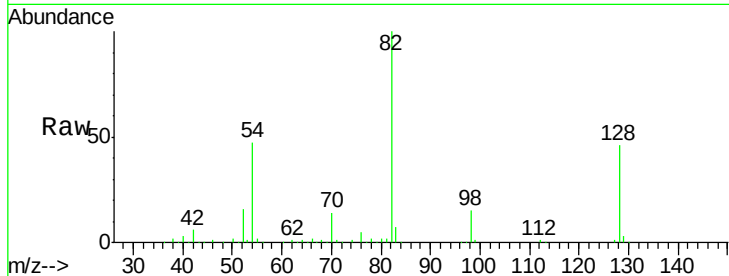
Tgt Ion: 82 Resp: 314773

Ion Ratio Lower Upper

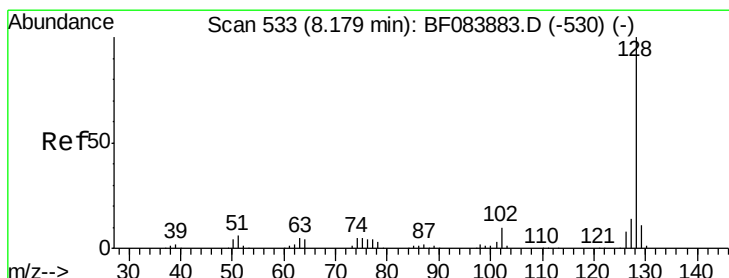
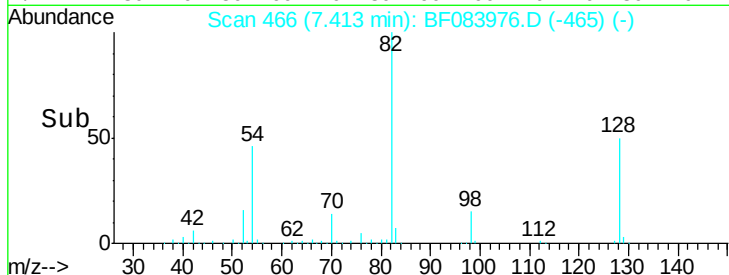
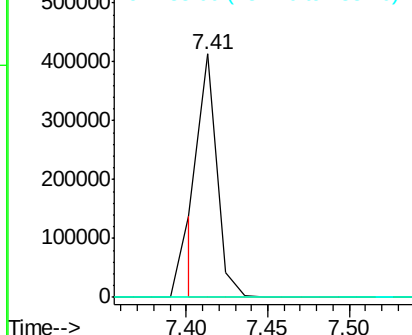
82 100

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): E



#31

Naphthalene

Concen: 51.68 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

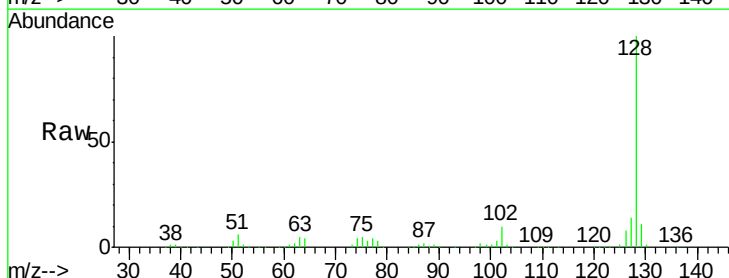
Tgt Ion: 128 Resp: 854111

Ion Ratio Lower Upper

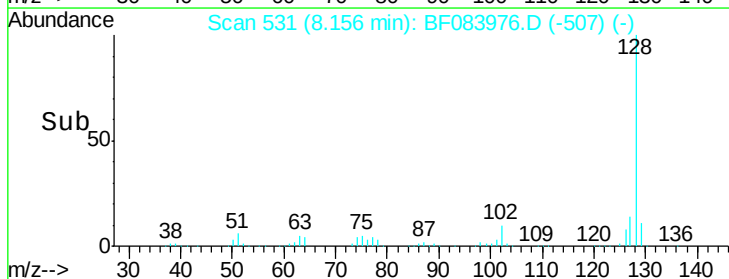
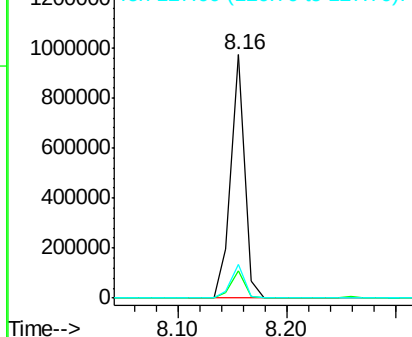
128 100

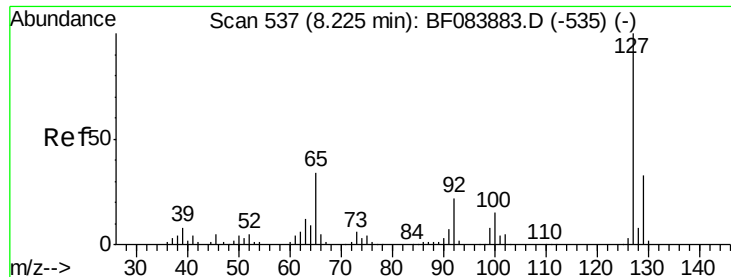
129 11.5 9.1 13.7

127 13.9 11.1 16.7



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

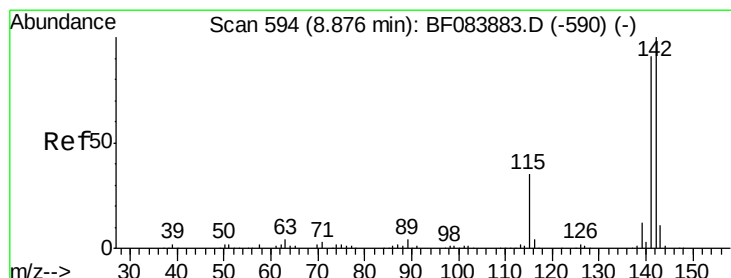
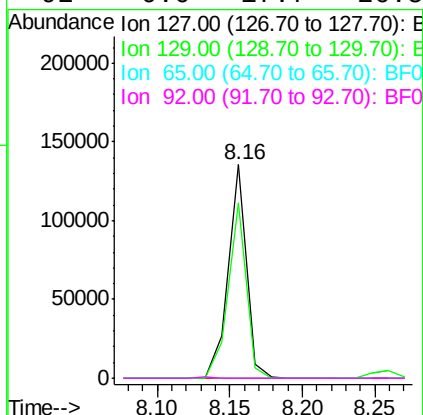
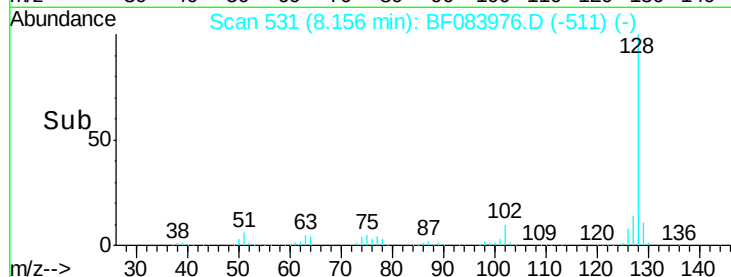
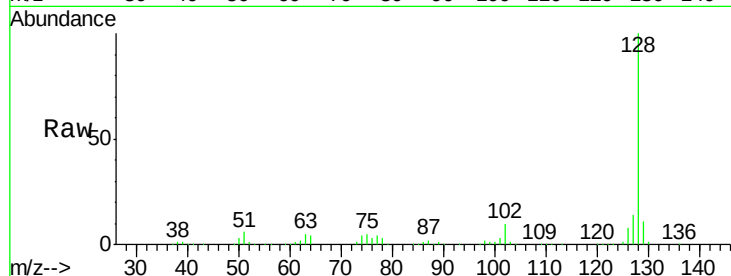




#33
4-Chloroaniline
Concen: 15.72 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.07 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

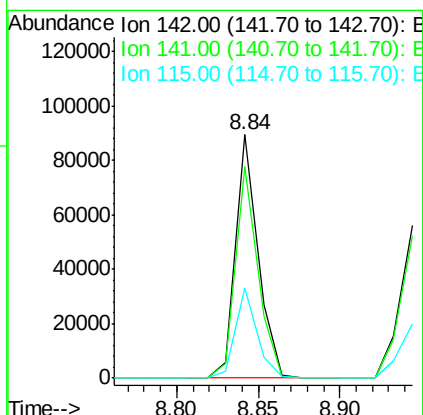
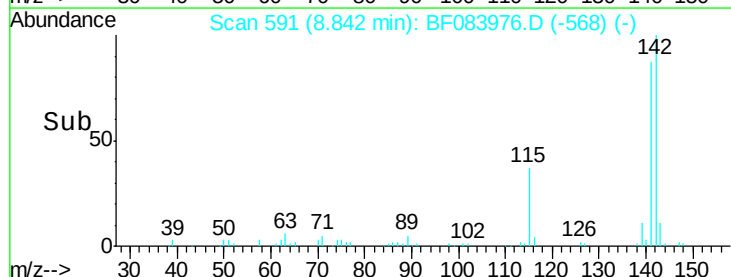
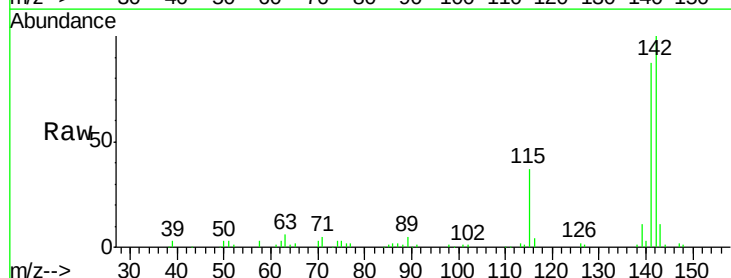
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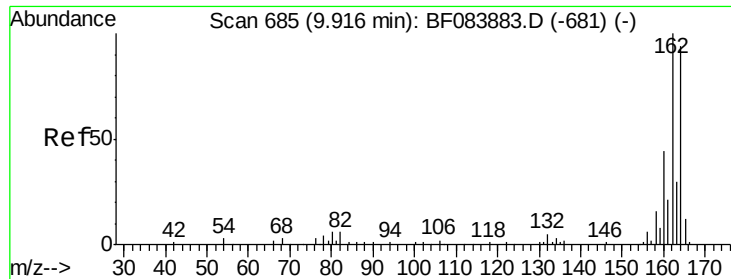
Tgt Ion:127 Resp: 117821
Ion Ratio Lower Upper
127 100
129 82.3 26.5 39.7#
65 0.0 27.2 40.8#
92 0.0 17.7 26.5#



#37
2-Methylnaphthalene
Concen: 7.39 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.03 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion:142 Resp: 84825
Ion Ratio Lower Upper
142 100
141 87.1 72.4 108.6
115 37.2 27.9 41.9

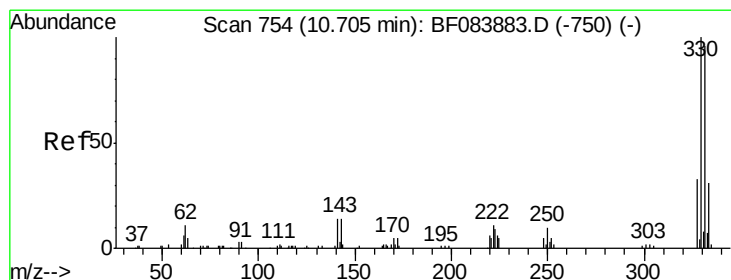
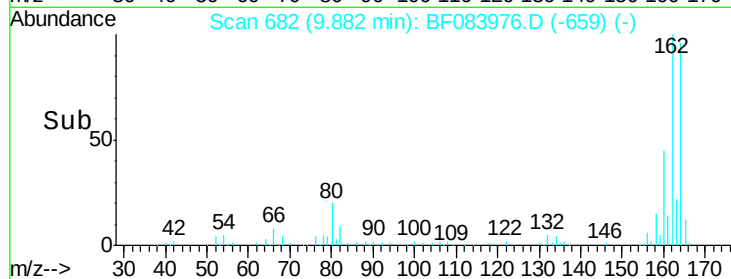
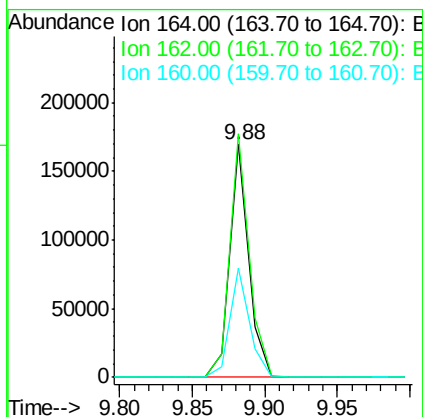
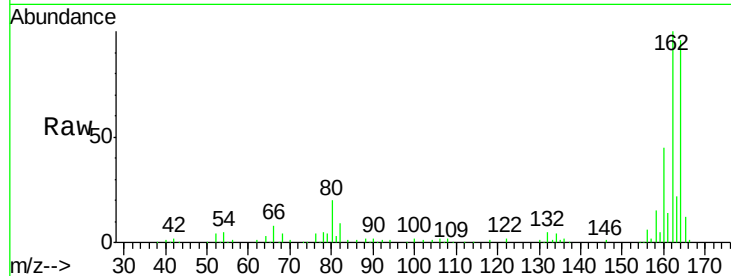




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.03 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

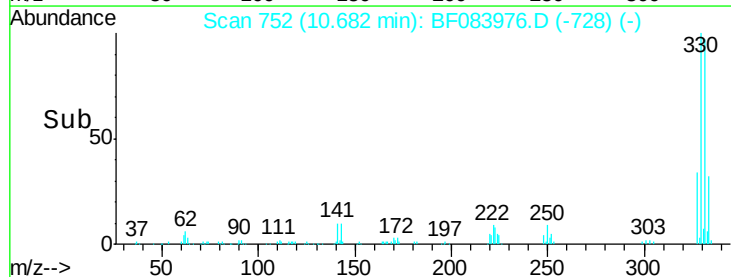
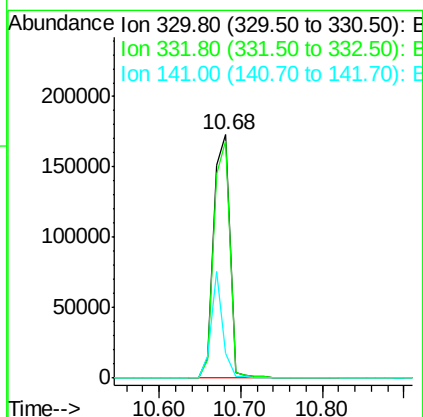
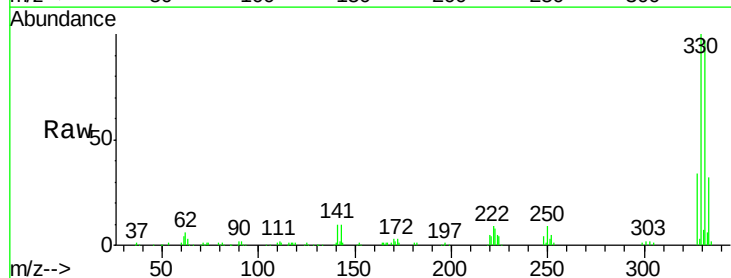
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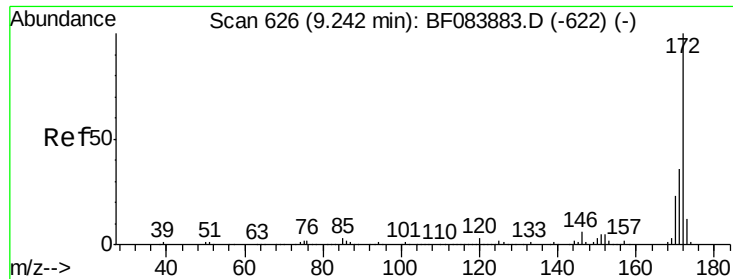
Tgt Ion:164 Resp: 154310
 Ion Ratio Lower Upper
 164 100
 162 104.4 85.1 127.7
 160 46.7 37.5 56.3



#41
 2,4,6-Tribromophenol
 Concen: 141.12 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Tgt Ion:330 Resp: 239892
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 32.1 27.8 41.6

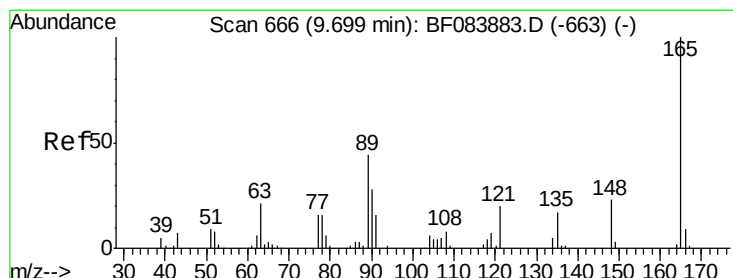
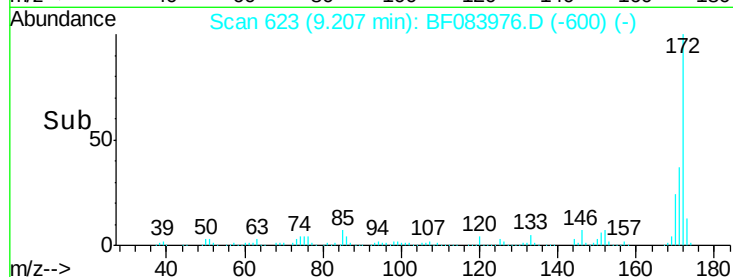
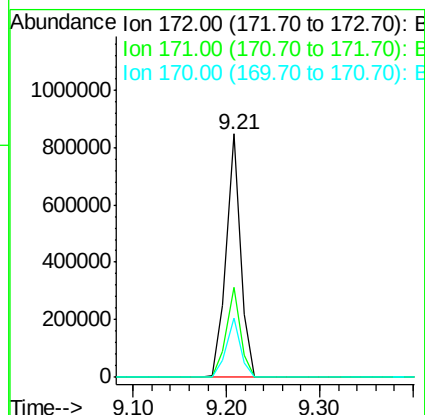
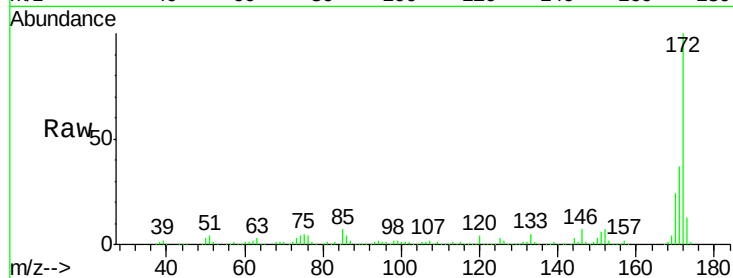




#44
 2-Fluorobiphenyl
 Concen: 82.98 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

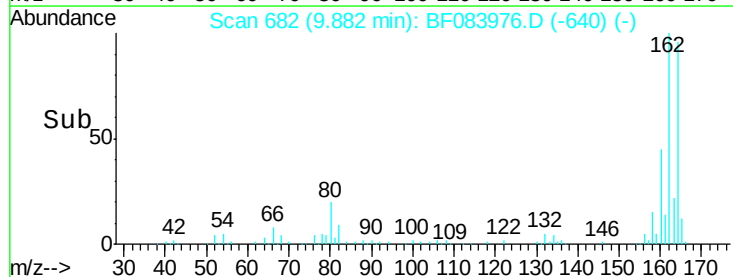
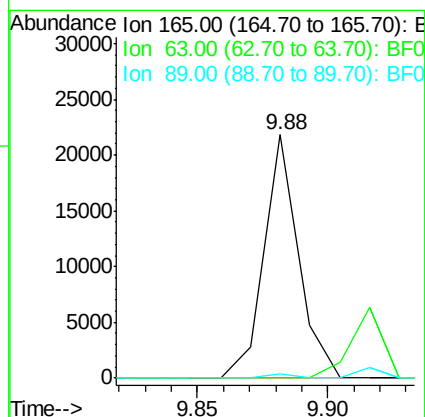
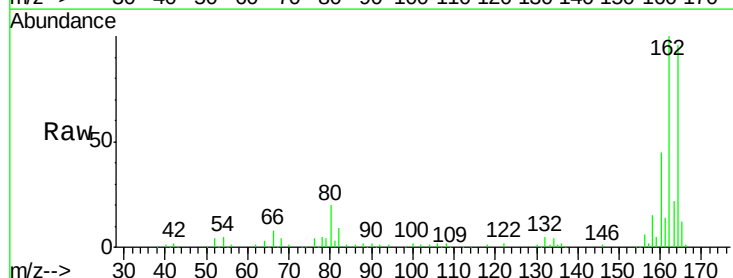
Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

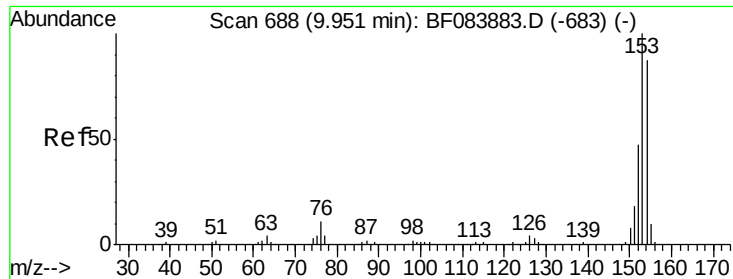
Tgt Ion:172 Resp: 915306
 Ion Ratio Lower Upper
 172 100
 171 37.1 28.9 43.3
 170 24.4 18.6 27.8



#50
 2,6-Dinitrotoluene
 Concen: 7.13 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.18 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Tgt Ion:165 Resp: 20128
 Ion Ratio Lower Upper
 165 100
 63 0.0 28.8 43.2#
 89 1.8 35.1 52.7#





#51

Acenaphthene

Concen: 6.79 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.03 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

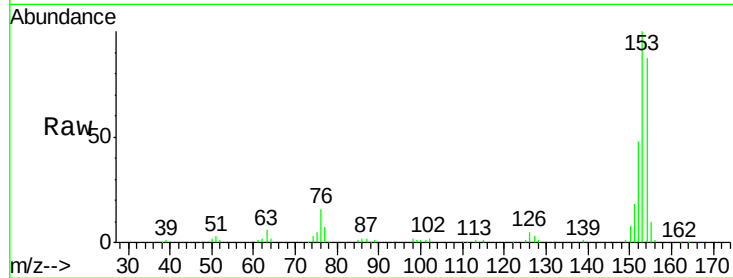
Tgt Ion:154 Resp: 75112

Ion Ratio Lower Upper

154 100

153 115.4 91.5 137.3

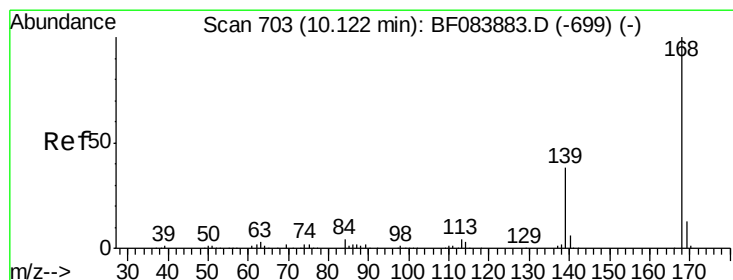
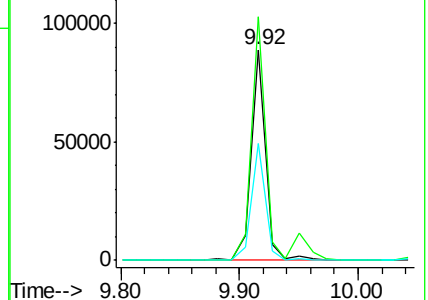
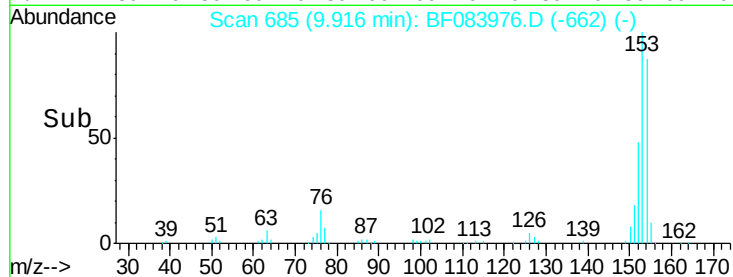
152 55.5 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.77 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

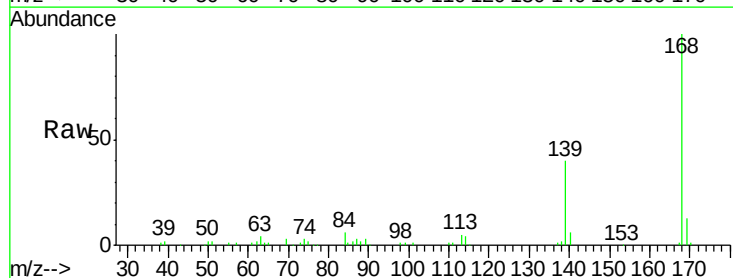
Tgt Ion:168 Resp: 68466

Ion Ratio Lower Upper

168 100

139 40.2 30.5 45.7

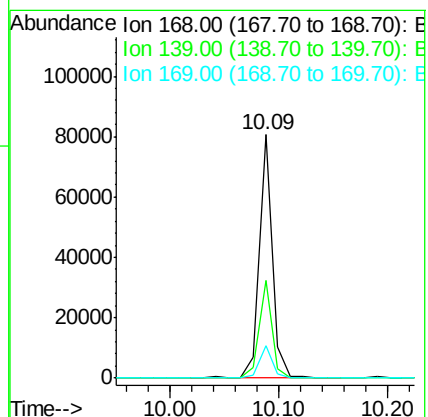
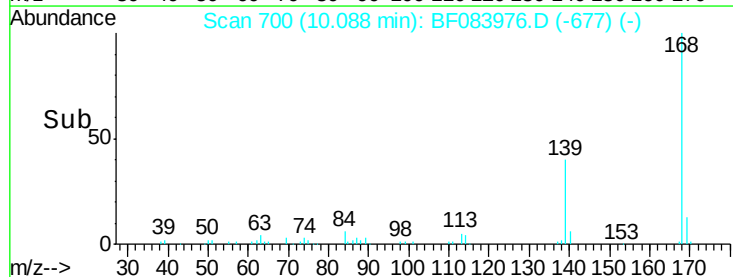
169 13.1 10.4 15.6

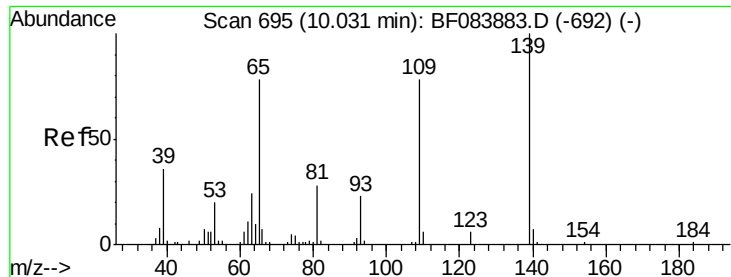


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

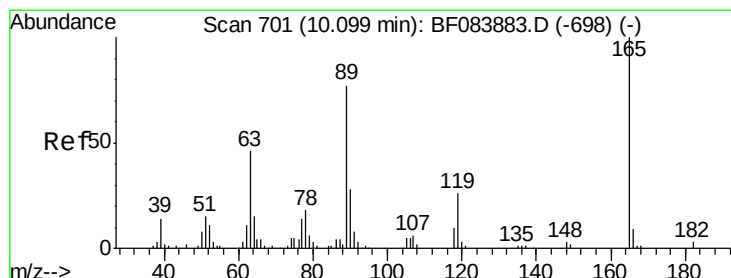
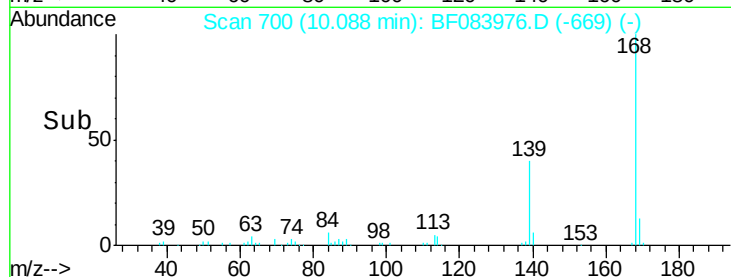
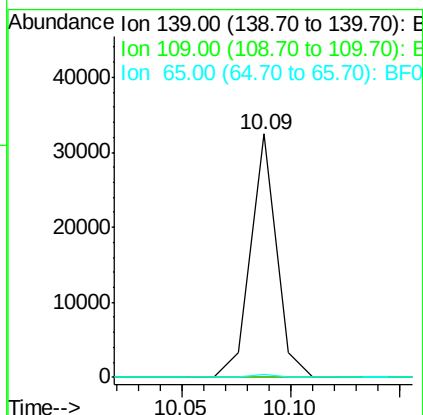
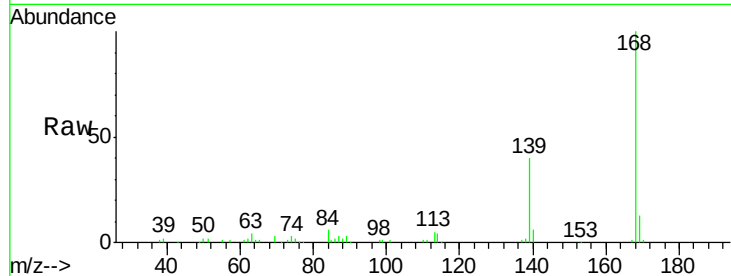




#55
4-Nitrophenol
Concen: 14.42 ng
RT: 10.09 min Scan# 700
Delta R.T. 0.06 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

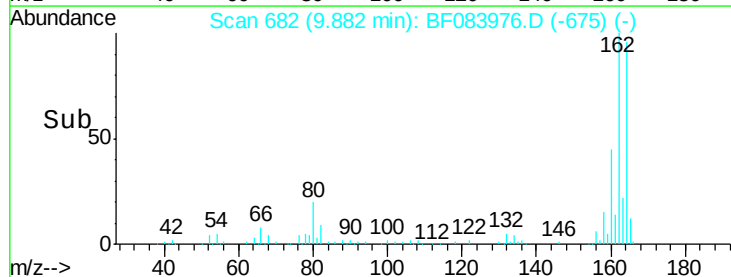
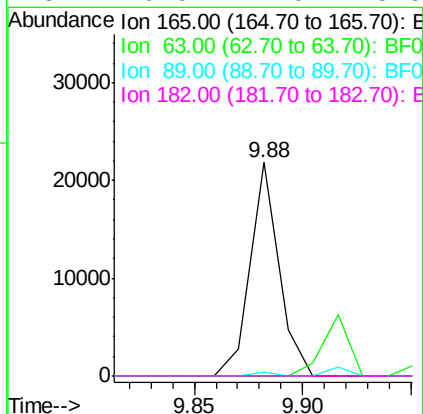
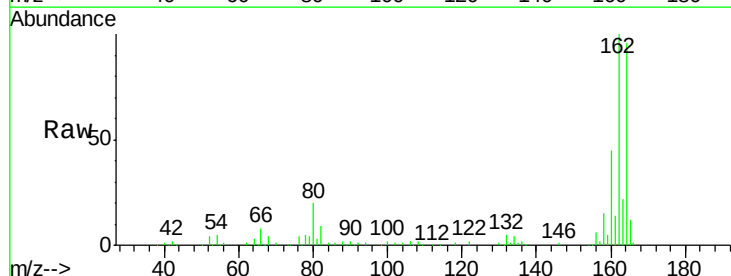
Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

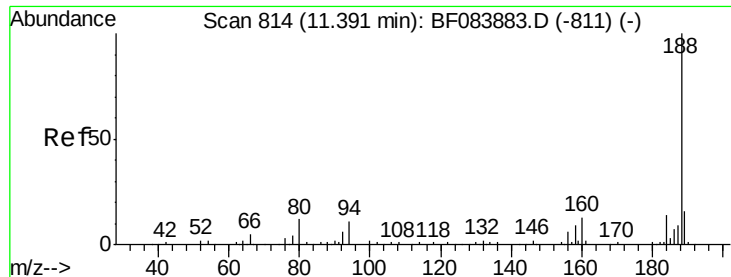
Tgt Ion:139 Resp: 26797
Ion Ratio Lower Upper
139 100
109 0.0 58.5 98.5#
65 1.3 57.6 97.6#



#56
2,4-Dinitrotoluene
Concen: 5.56 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.22 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion:165 Resp: 20129
Ion Ratio Lower Upper
165 100
63 0.0 36.7 55.1#
89 1.8 61.9 92.9#
182 0.0 2.0 3.0#

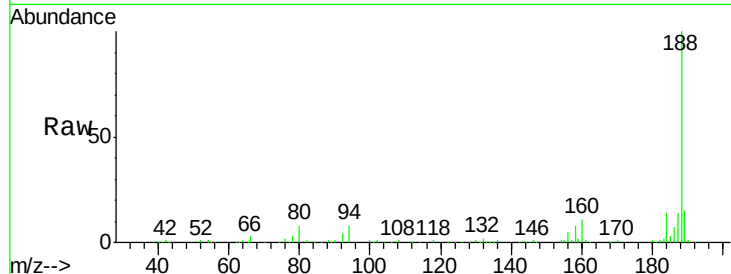




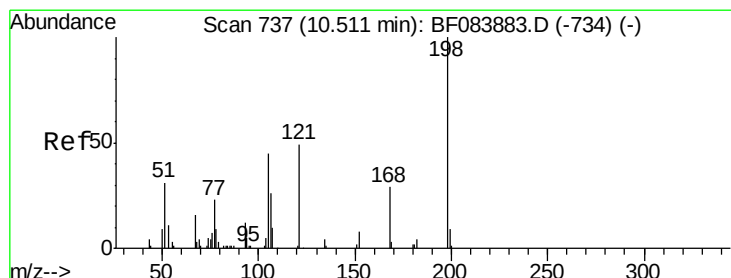
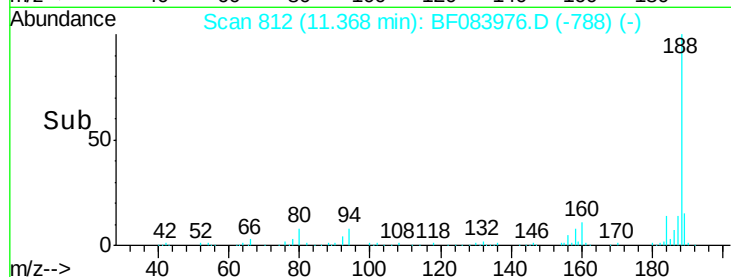
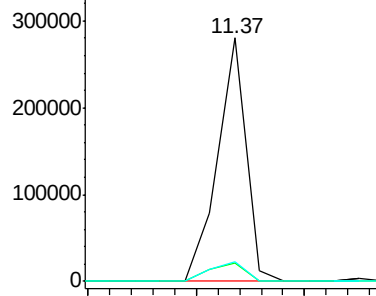
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tgt Ion:188 Resp: 256075
Ion Ratio Lower Upper
188 100
94 7.6 9.0 13.4#
80 7.9 9.6 14.4#

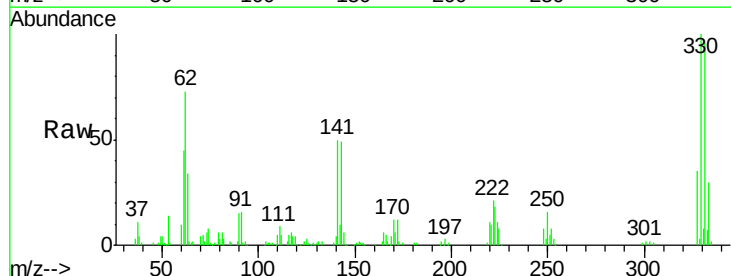


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

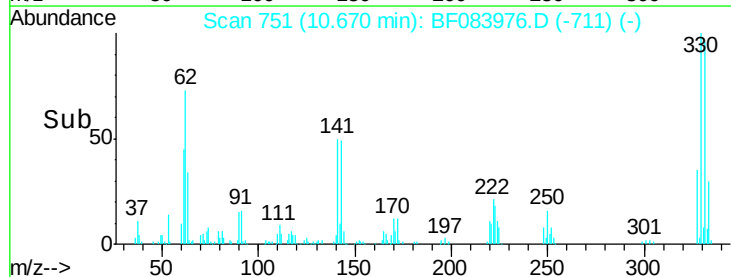
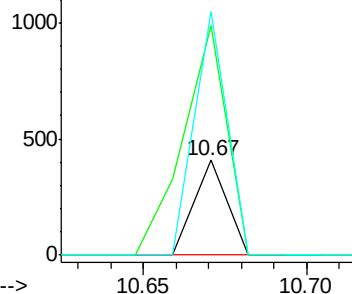


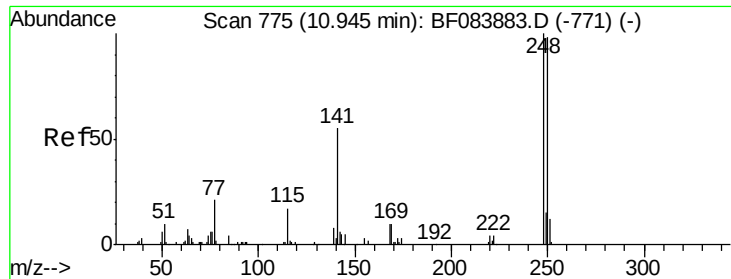
#64
4,6-Dinitro-2-methylphenol
Concen: 4.09 ng
RT: 10.67 min Scan# 751
Delta R.T. 0.16 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion:198 Resp: 280
Ion Ratio Lower Upper
198 100
51 242.4 18.9 58.9#
105 256.9 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

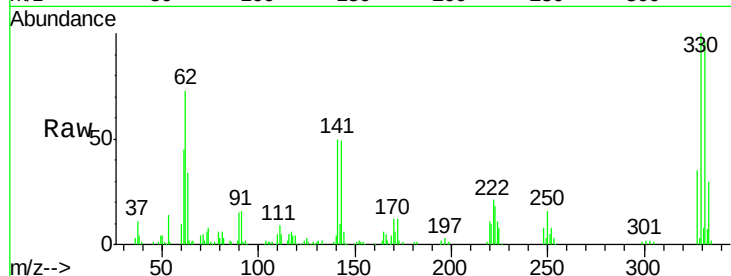




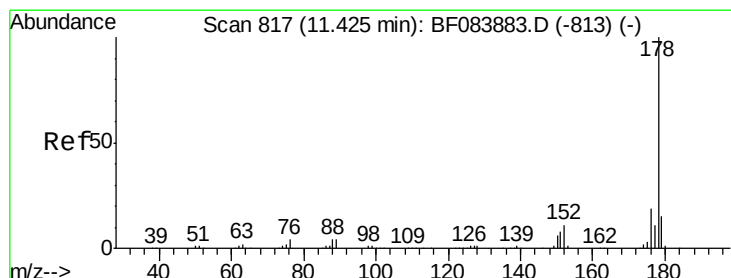
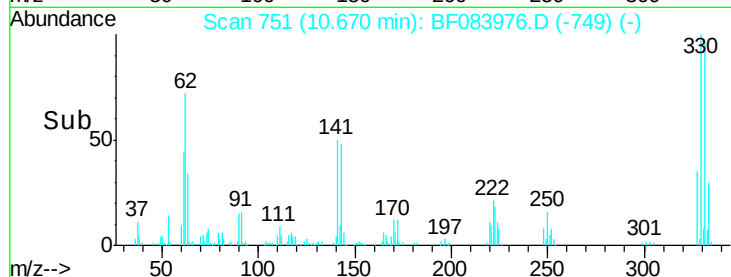
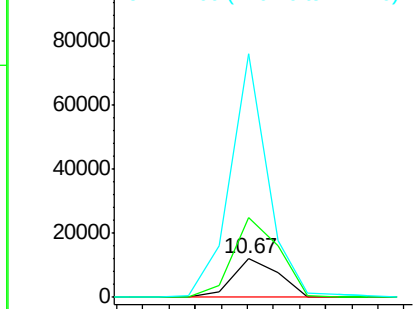
#66
4-Bromophenyl-phenylether
Concen: 4.72 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.27 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tgt Ion:248 Resp: 14766
Ion Ratio Lower Upper
248 100
250 207.7 78.4 117.6#
141 634.6 44.0 66.0#

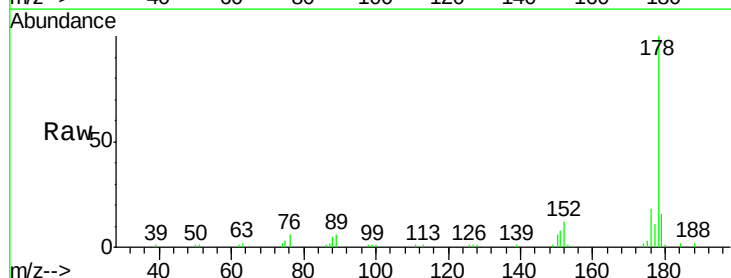


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

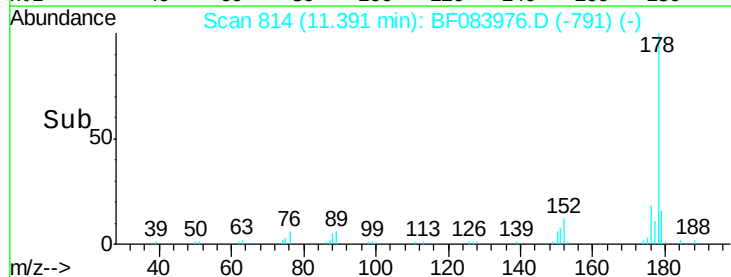
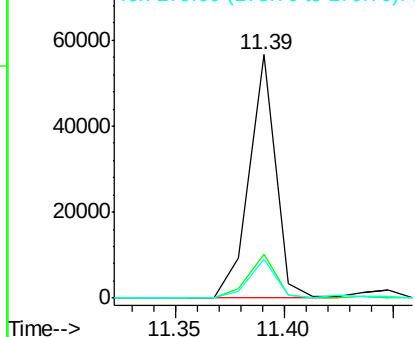


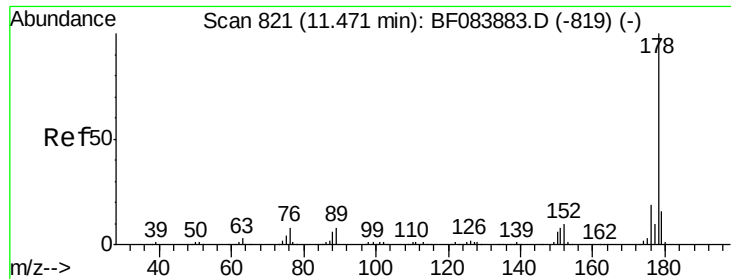
#70
Phenanthrene
Concen: 3.11 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion:178 Resp: 48091
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.9 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

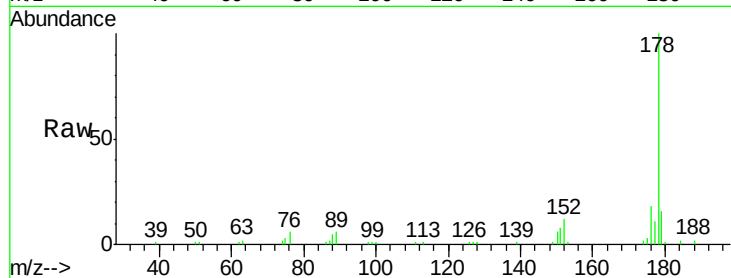




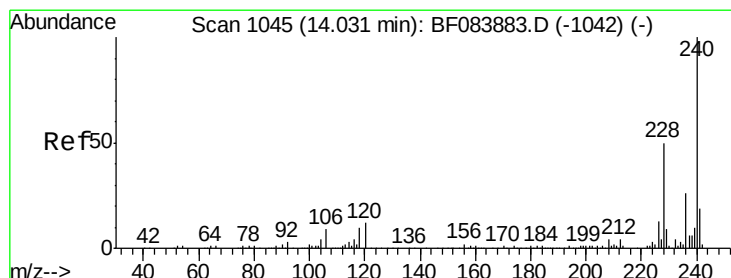
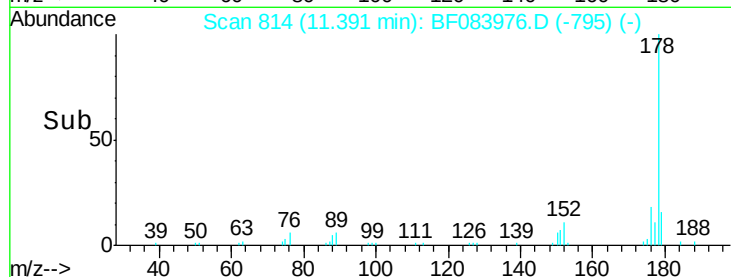
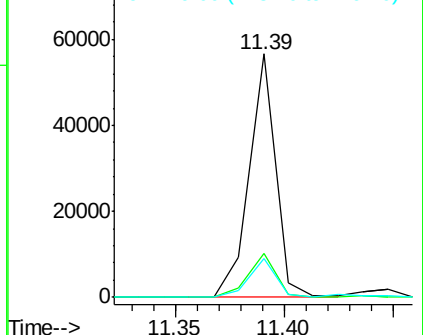
#71
 Anthracene
 Concen: 3.22 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.08 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

Tgt Ion:178 Resp: 48091
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.9 12.5 18.7

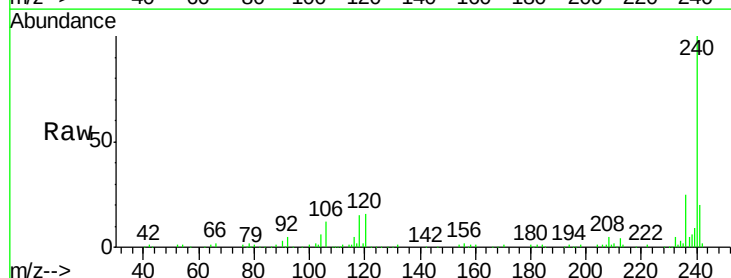


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

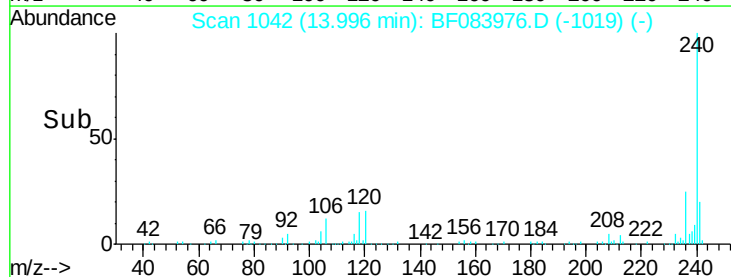
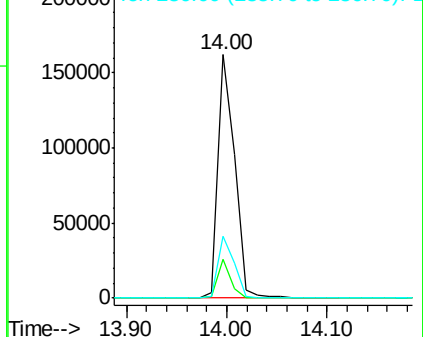


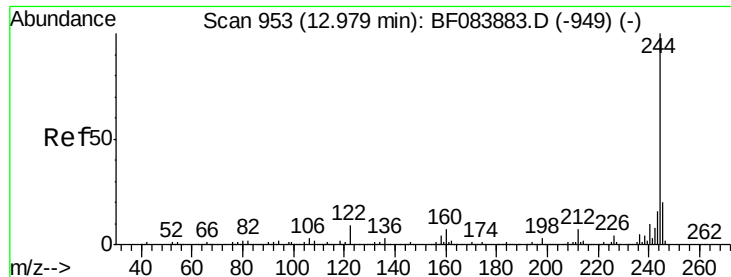
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.03 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Tgt Ion:240 Resp: 185926
 Ion Ratio Lower Upper
 240 100
 120 15.9 9.5 14.3#
 236 25.3 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

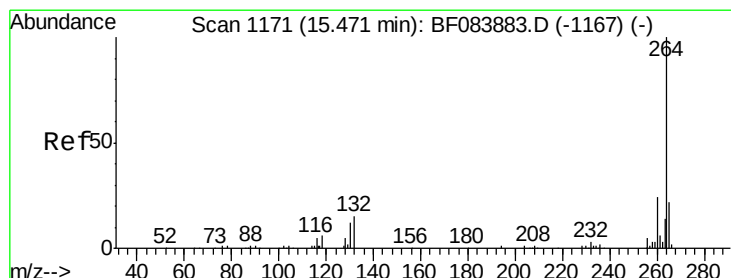
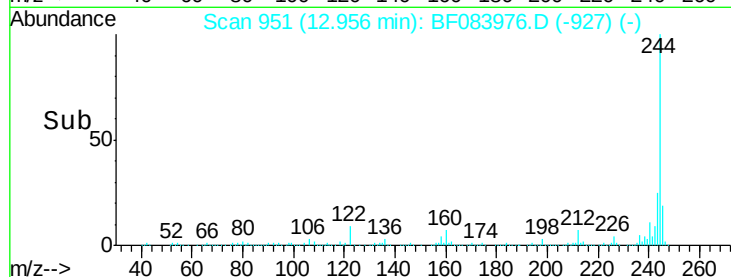
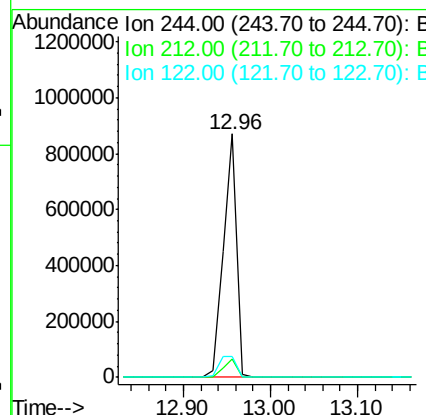
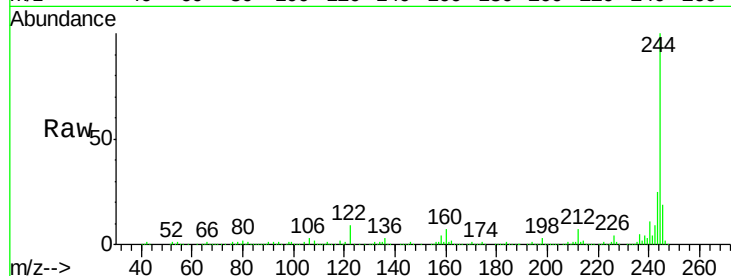




#78
 Terphenyl-d14
 Concen: 120.28 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	8.8	7.4	11.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.4	29.2
265	21.2	17.8	26.6

