

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
 Data File : BF083244.D
 Acq On : 24 Nov 2015 18:45
 Operator : UM/IZ
 Sample : G4496-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Quant Time: Nov 25 00:30:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

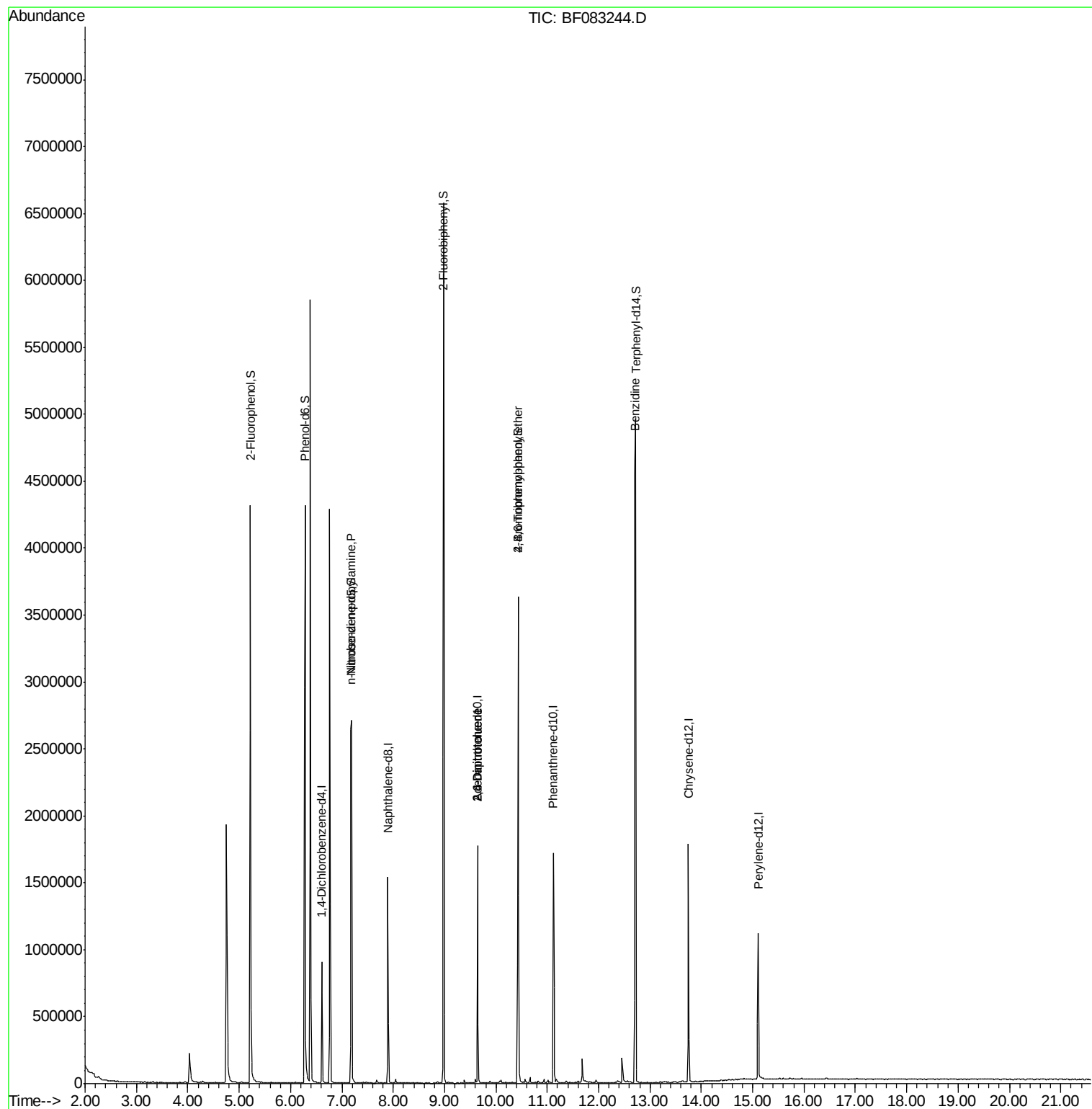
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	178925	20.00	ng	-0.06
21) Naphthalene-d8	7.90	136	688530	20.00	ng	-0.06
38) Acenaphthene-d10	9.64	164	354167	20.00	ng	-0.06
63) Phenanthrene-d10	11.12	188	677695	20.00	ng	-0.06
75) Chrysene-d12	13.75	240	600450	20.00	ng	-0.06
86) Perylene-d12	15.11	264	469238	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1470780	124.28	ng	-0.06
7) Phenol-d6	6.28	99	1924932	125.71	ng	-0.06
23) Nitrobenzene-d5	7.19	82	1400643	92.95	ng	-0.05
41) 2,4,6-Tribromophenol	10.43	330	472564	130.42	ng	-0.06
44) 2-Fluorobiphenyl	8.98	172	2097508	82.58	ng	-0.05
78) Terphenyl-d14	12.72	244	2290152	89.81	ng	-0.05
Target Compounds						
9) Benzaldehyde	6.28	77	2420	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.18	70	186774	17.53 ng	#	78
50) 2,6-Dinitrotoluene	9.64	165	44863	7.33 ng	#	13
56) 2,4-Dinitrotoluene	9.64	165	44863	5.79 ng	#	10
66) 4-Bromophenyl-phenylether	10.43	248	31608	4.20 ng	#	1
76) Benzidine	12.71	184	31680	2.01 ng		96

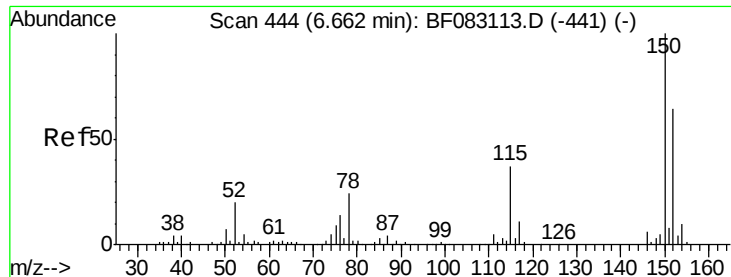
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration

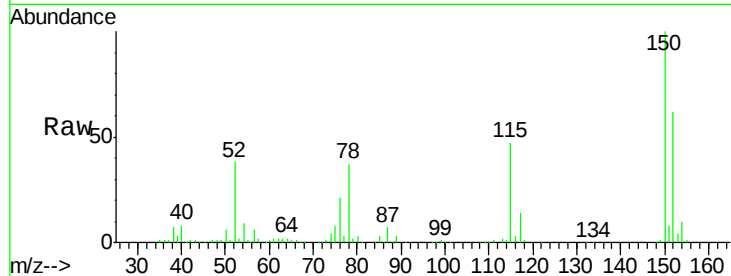




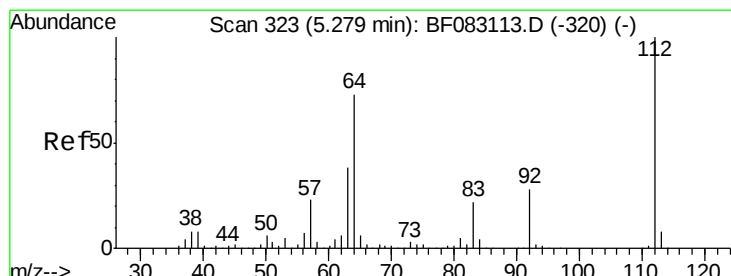
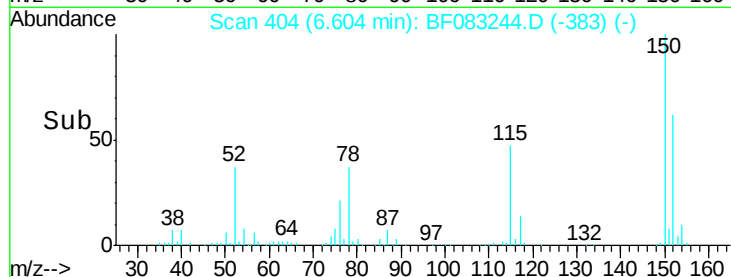
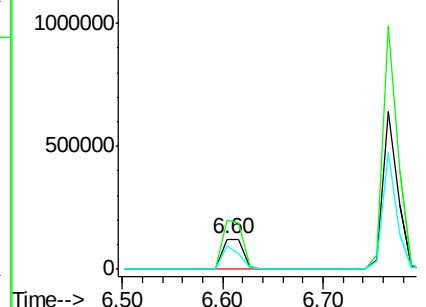
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.60 min Scan# 404
 Delta R.T. -0.06 min
 Lab File: BF083244.D
 Acq: 24 Nov 2015 18:45

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Tgt Ion:152 Resp: 178925
 Ion Ratio Lower Upper
 152 100
 150 162.2 125.8 188.8
 115 75.6 46.9 70.3#

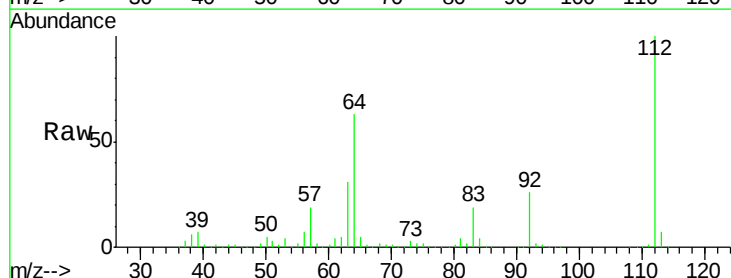


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

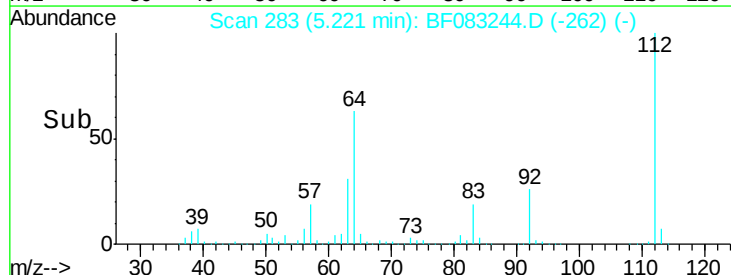
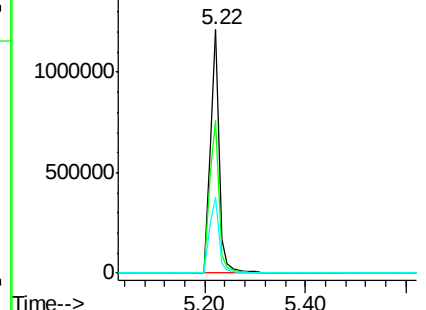


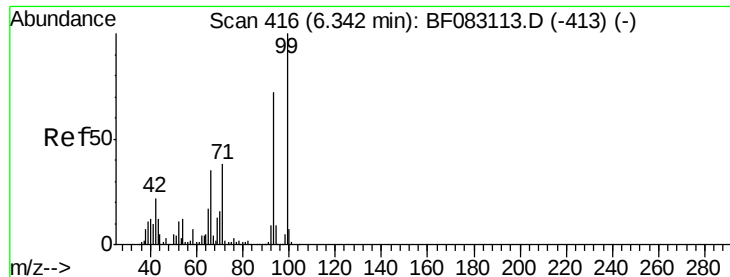
#5
 2-Fluorophenol
 Concen: 124.28 ng
 RT: 5.22 min Scan# 283
 Delta R.T. -0.06 min
 Lab File: BF083244.D
 Acq: 24 Nov 2015 18:45

Tgt Ion:112 Resp: 1470780
 Ion Ratio Lower Upper
 112 100
 64 62.6 58.4 87.6
 63 31.3 30.0 45.0



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: 125.71 ng

RT: 6.28 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF083244.D

Acq: 24 Nov 2015 18:45

Instrument :

BNA_F

ClientSampleId :

A19-COMP

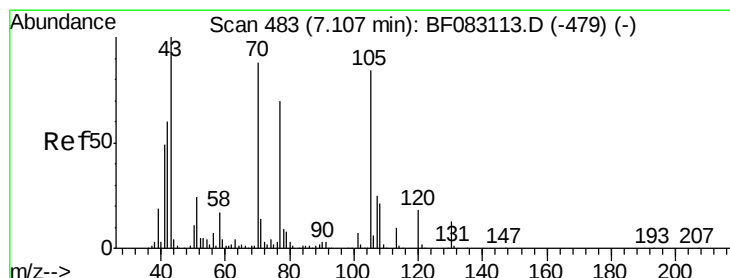
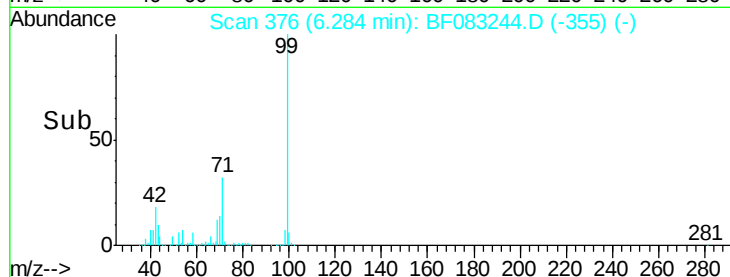
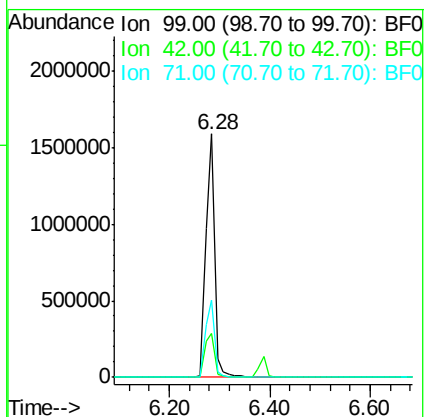
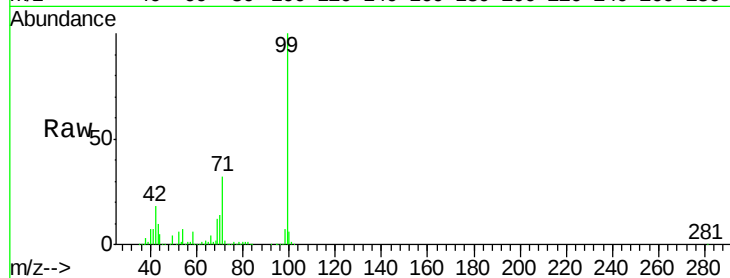
Tgt Ion: 99 Resp: 1924932

Ion Ratio Lower Upper

99 100

42 17.8 17.7 26.5

71 31.6 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 17.53 ng

RT: 7.18 min Scan# 454

Delta R.T. 0.07 min

Lab File: BF083244.D

Acq: 24 Nov 2015 18:45

Tgt Ion: 70 Resp: 186774

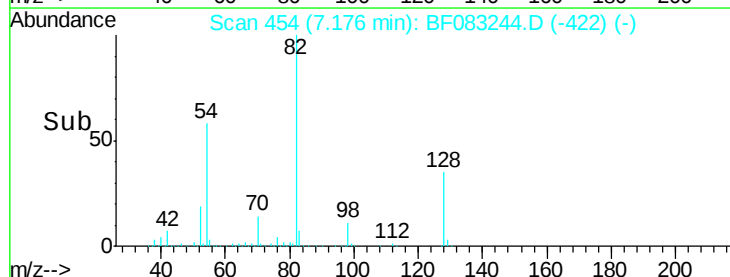
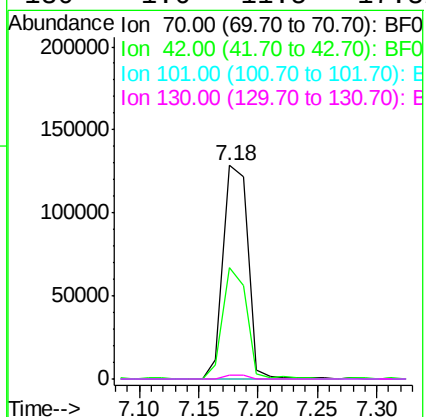
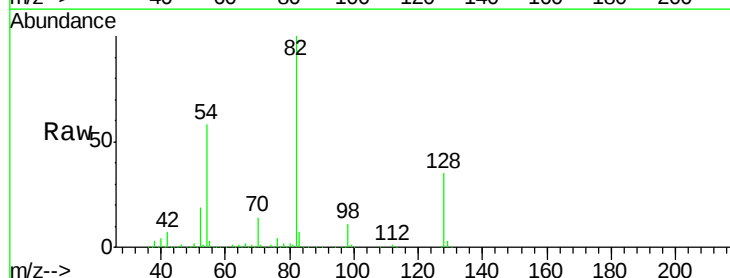
Ion Ratio Lower Upper

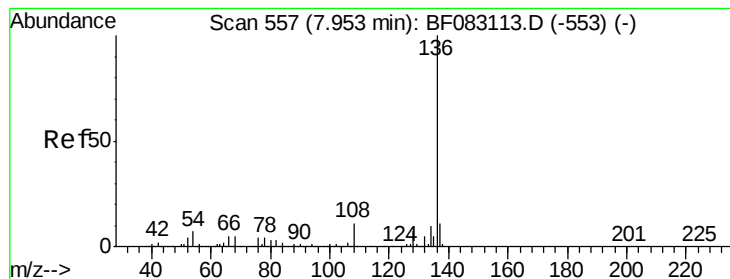
70 100

42 52.4 54.5 81.7#

101 0.0 6.6 9.8#

130 1.6 11.5 17.3#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 517

Delta R.T. -0.06 min

Lab File: BF083244.D

Acq: 24 Nov 2015 18:45

Instrument :

BNA_F

ClientSampleId :

A19-COMP

Tgt Ion:136 Resp: 688530

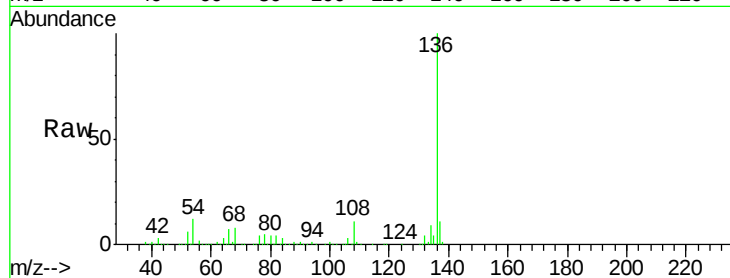
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 12.0 5.8 8.6#

68 8.4 3.8 5.8#

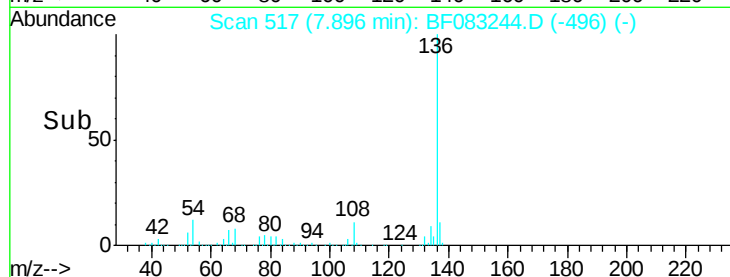


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Abundance

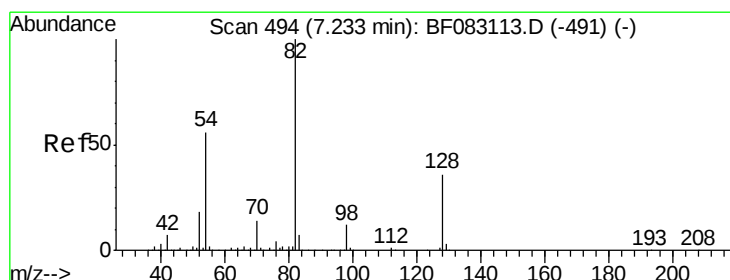
Ion 136.00 (135.70 to 136.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 92.95 ng

RT: 7.19 min Scan# 455

Delta R.T. -0.05 min

Lab File: BF083244.D

Acq: 24 Nov 2015 18:45

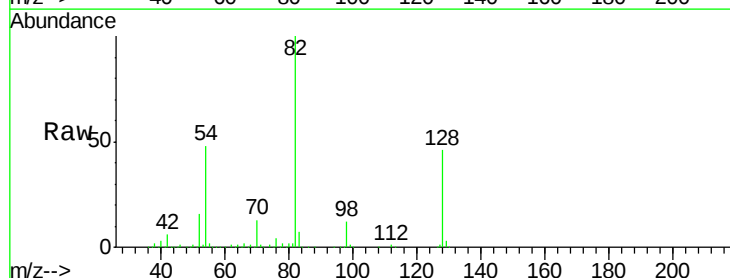
Tgt Ion: 82 Resp: 1400643

Ion Ratio Lower Upper

82 100

128 46.4 28.5 42.7#

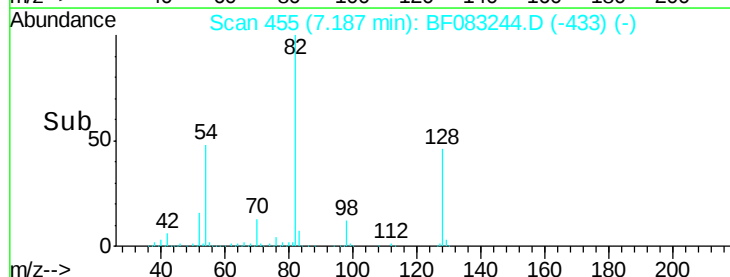
54 47.9 44.6 67.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



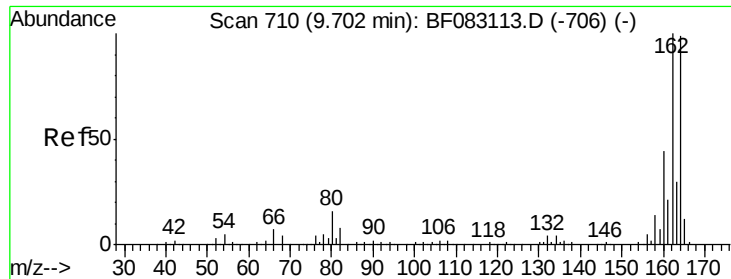
Abundance

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

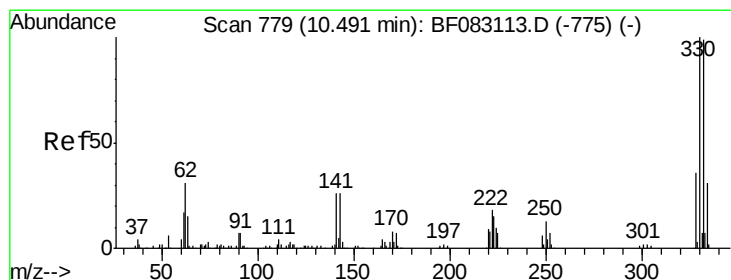
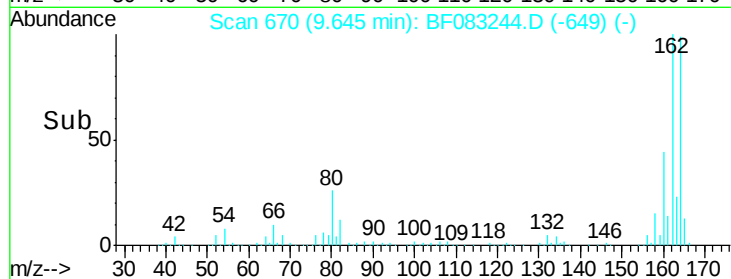
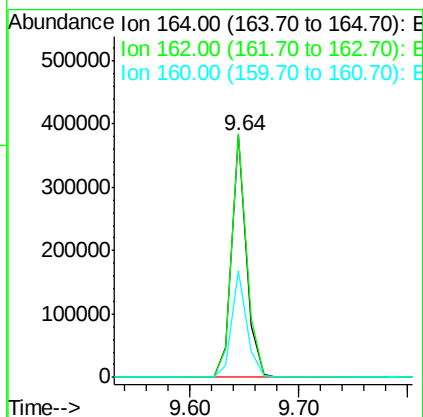
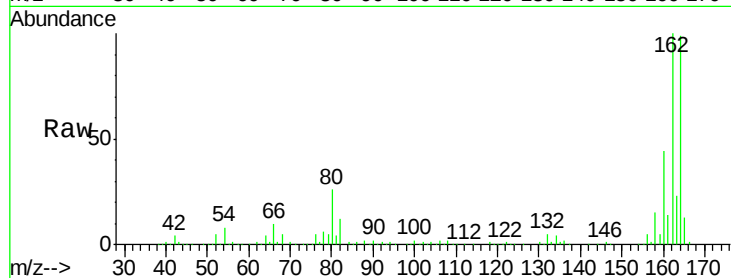
Time-->



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.06 min
Lab File: BF083244.D
Acq: 24 Nov 2015 18:45

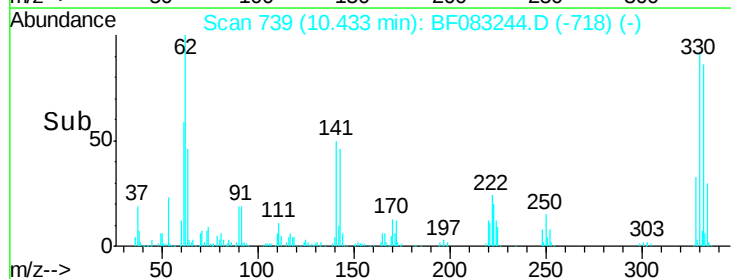
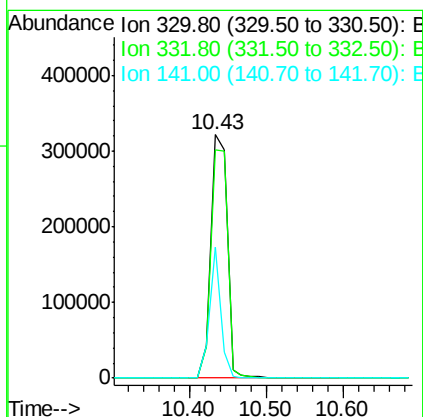
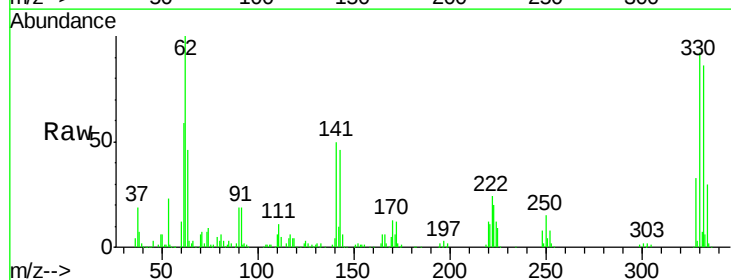
Instrument :
BNA_F
ClientSampleId :
A19-COMP

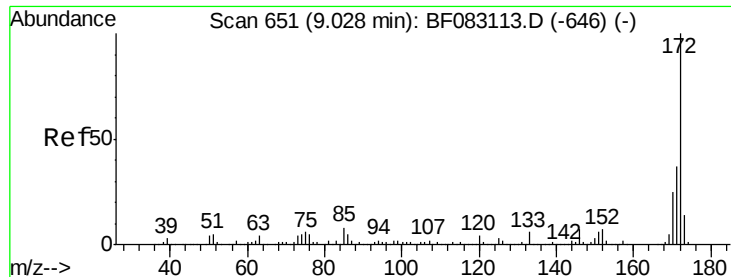
Tgt Ion:164 Resp: 354167
Ion Ratio Lower Upper
164 100
162 100.6 81.2 121.8
160 44.2 35.6 53.4



#41
2,4,6-Tribromophenol
Concen: 130.42 ng
RT: 10.43 min Scan# 739
Delta R.T. -0.06 min
Lab File: BF083244.D
Acq: 24 Nov 2015 18:45

Tgt Ion:330 Resp: 472564
Ion Ratio Lower Upper
330 100
332 96.4 77.7 116.5
141 37.3 29.7 44.5

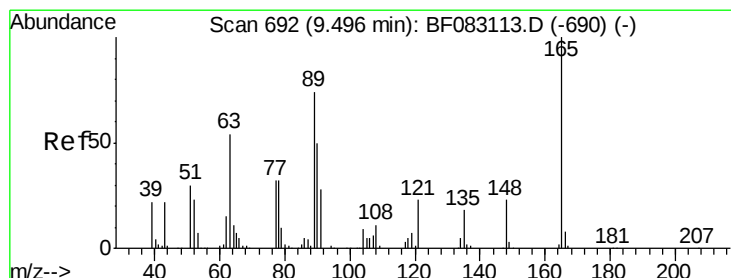
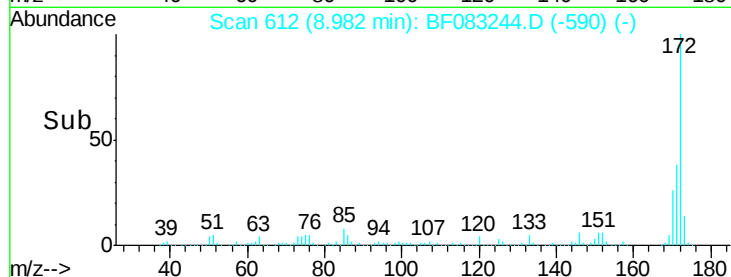
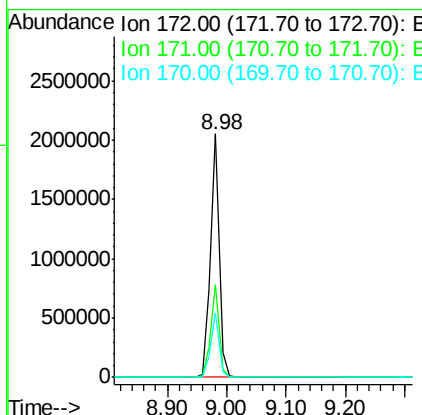
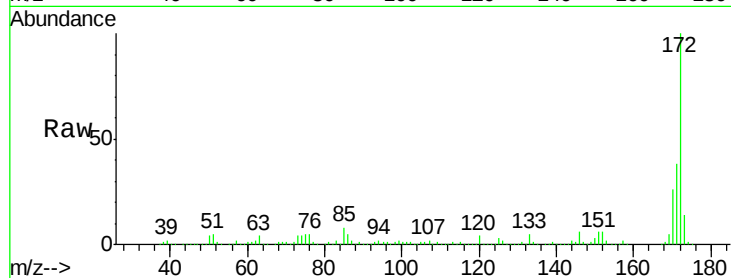




#44
 2-Fluorobiphenyl
 Concen: 82.58 ng
 RT: 8.98 min Scan# 612
 Delta R.T. -0.05 min
 Lab File: BF083244.D
 Acq: 24 Nov 2015 18:45

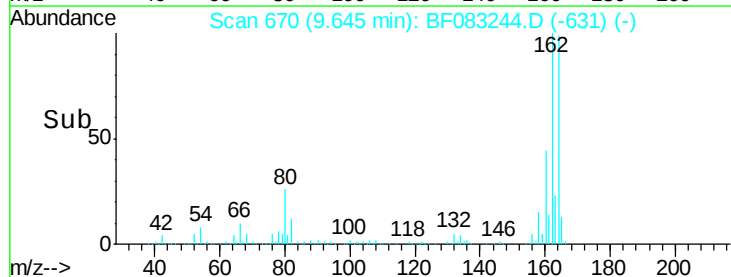
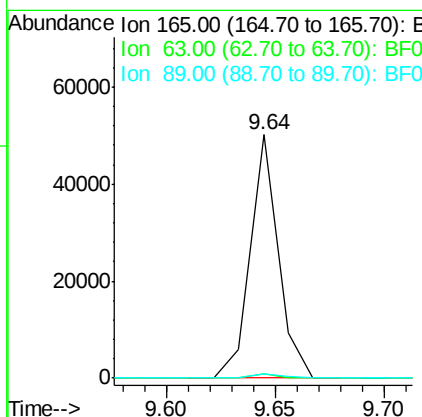
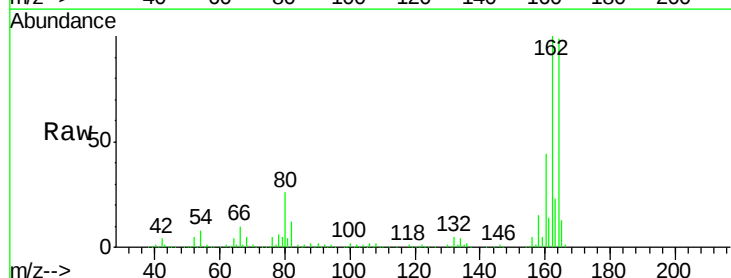
Instrument :
 BNA_F
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 A19-COMP

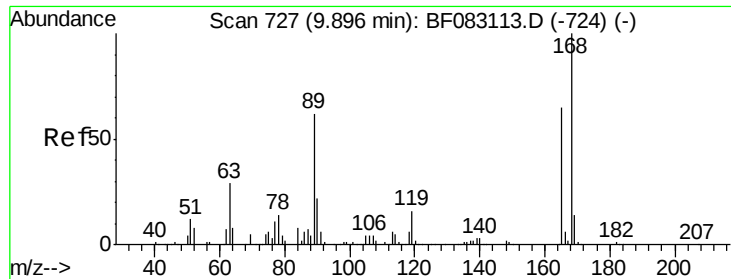
Tgt Ion:172 Resp: 2097508
 Ion Ratio Lower Upper
 172 100
 171 38.1 29.5 44.3
 170 26.2 19.9 29.9



#50
 2,6-Dinitrotoluene
 Concen: 7.33 ng
 RT: 9.64 min Scan# 670
 Delta R.T. 0.15 min
 Lab File: BF083244.D
 Acq: 24 Nov 2015 18:45

Tgt Ion:165 Resp: 44863
 Ion Ratio Lower Upper
 165 100
 63 1.6 62.5 93.7#
 89 1.8 59.1 88.7#

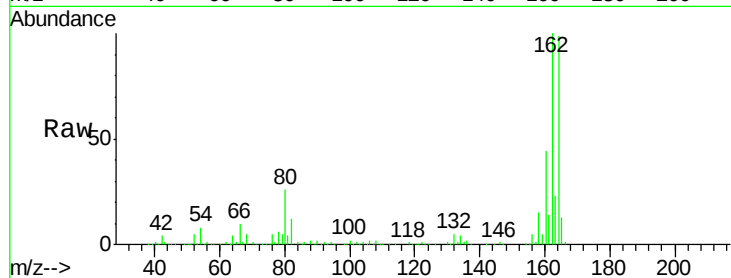




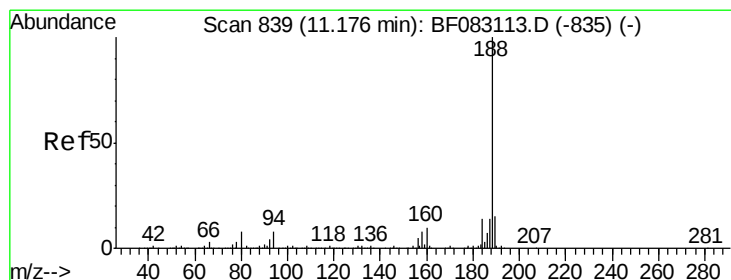
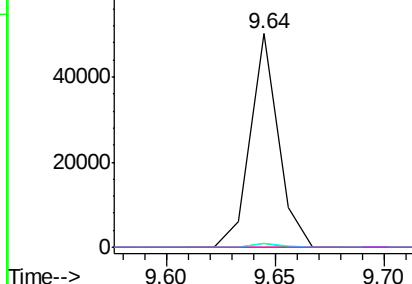
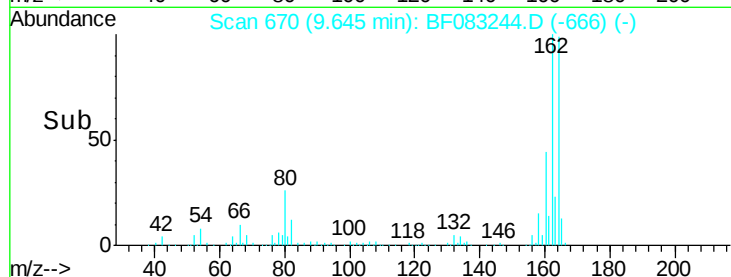
#56
 2,4-Dinitrotoluene
 Concen: 5.79 ng
 RT: 9.64 min Scan# 670
 Delta R.T. -0.25 min
 Lab File: BF083244.D
 Acq: 24 Nov 2015 18:45

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	44863		
63	1.6	54.5	81.7#	
89	1.8	77.3	115.9#	
182	0.0	1.8	2.6#	

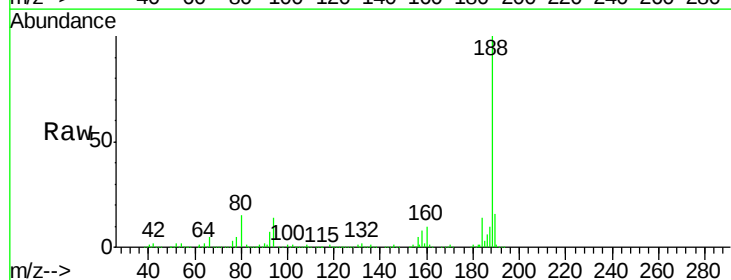


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

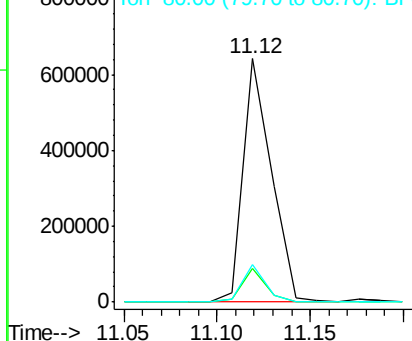
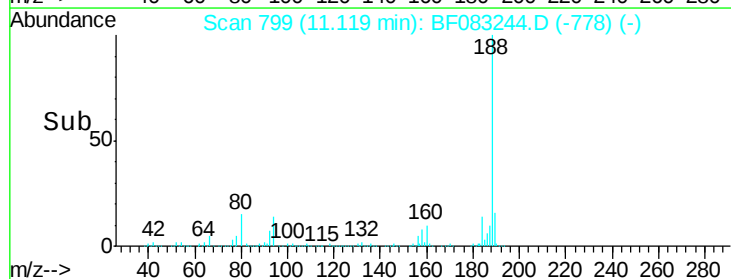


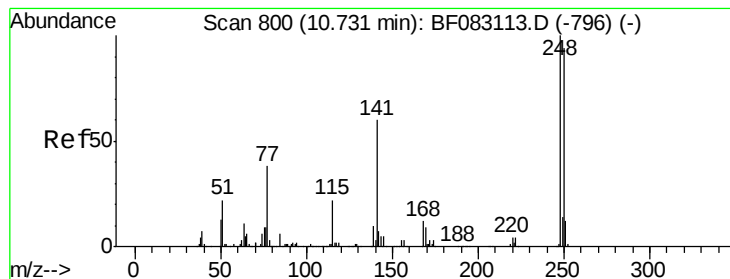
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 799
 Delta R.T. -0.06 min
 Lab File: BF083244.D
 Acq: 24 Nov 2015 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	677695		
94	13.6	6.0	9.0#	
80	15.4	6.7	10.1#	



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: 4.20 ng

RT: 10.43 min Scan# 739

Delta R.T. -0.30 min

Lab File: BF083244.D

Acq: 24 Nov 2015 18:45

Instrument :

BNA_F

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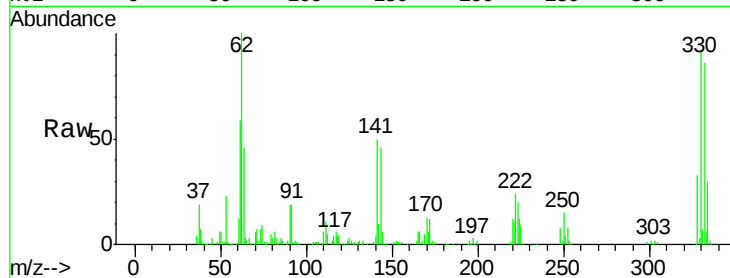
Tgt Ion:248 Resp: 31608

Ion Ratio Lower Upper

248 100

250 191.1 75.4 113.2#

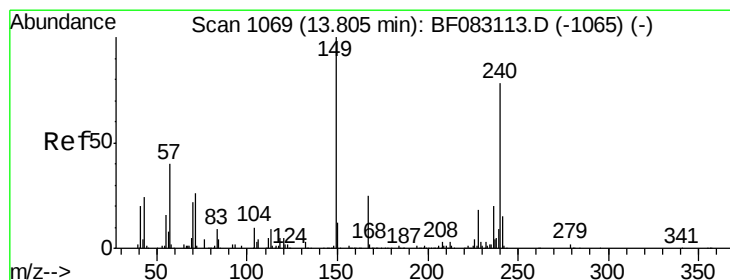
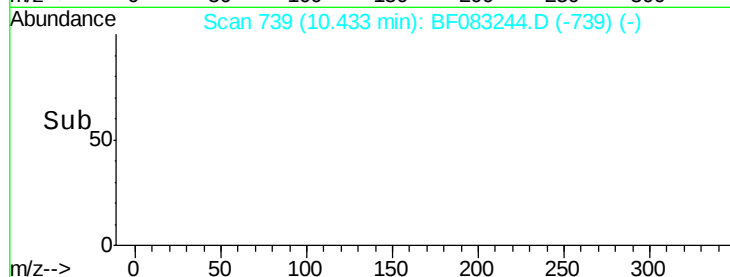
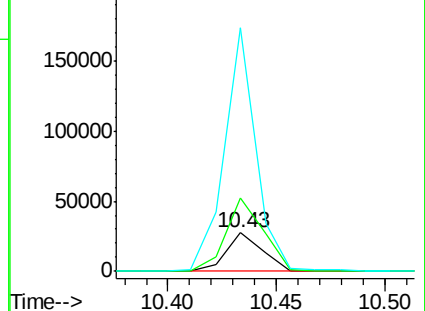
141 636.9 48.1 72.1#



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: 13.75 min Scan# 1029

Delta R.T. -0.06 min

Lab File: BF083244.D

Acq: 24 Nov 2015 18:45

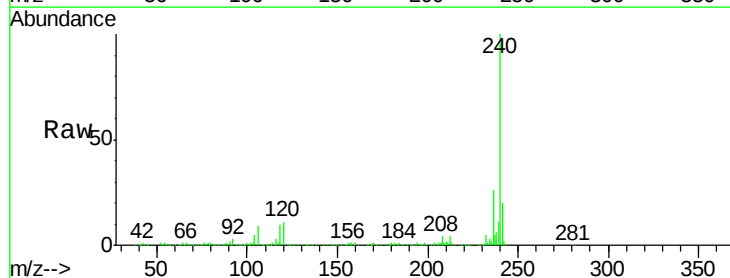
Tgt Ion:240 Resp: 600450

Ion Ratio Lower Upper

240 100

120 11.2 5.4 8.2#

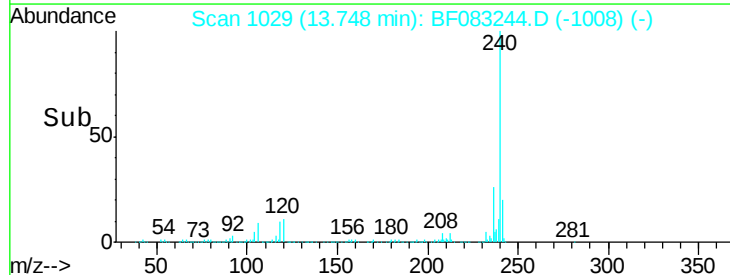
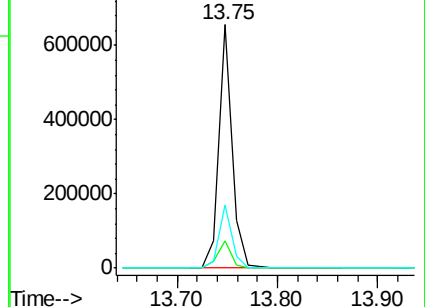
236 26.1 20.6 31.0

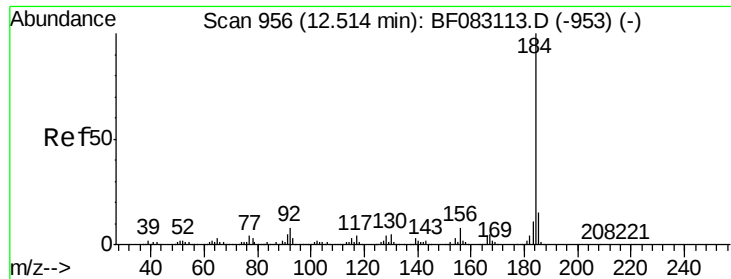


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

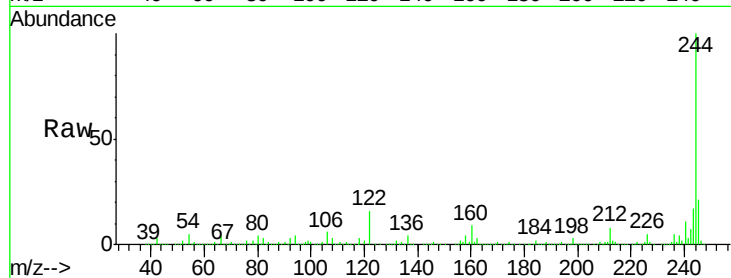




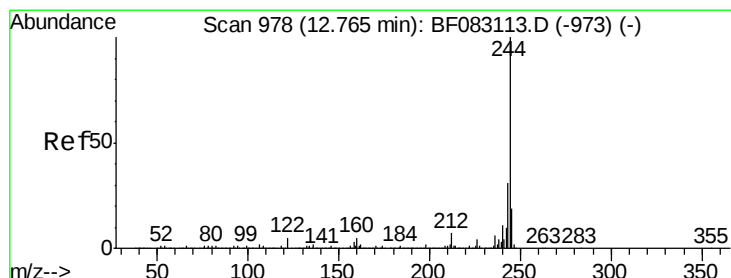
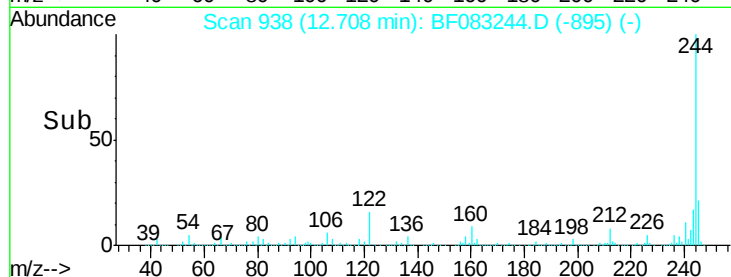
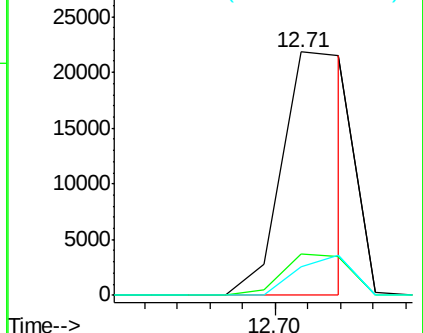
#76
Benzidine
Concen: 2.01 ng
RT: 12.71 min Scan# 938
Delta R.T. 0.19 min
Lab File: BF083244.D
Acq: 24 Nov 2015 18:45

Instrument :
BNA_F
ClientSampleId :
A19-COMP

Tgt Ion:184 Resp: 31680
Ion Ratio Lower Upper
184 100
185 16.9 11.7 17.5
183 11.6 8.8 13.2

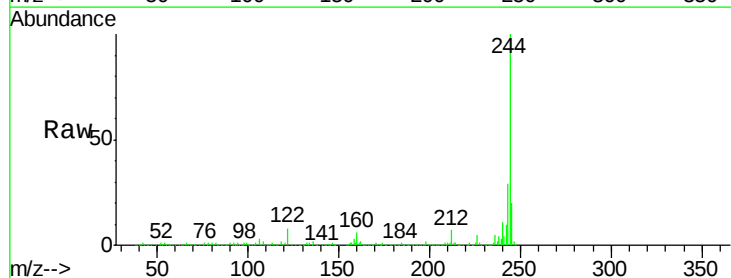


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

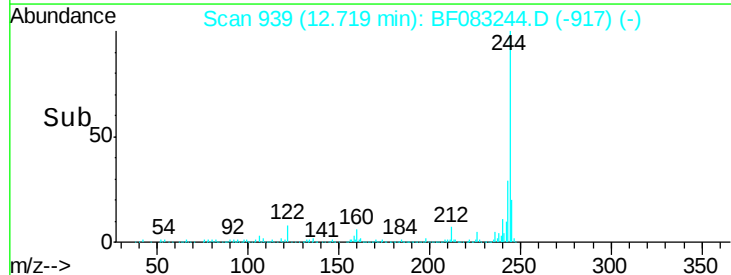
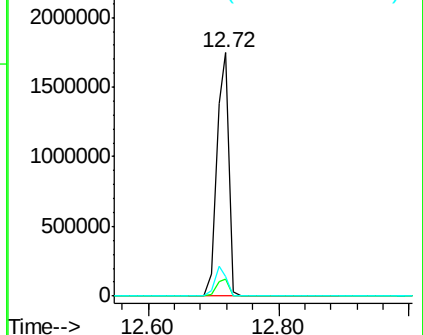


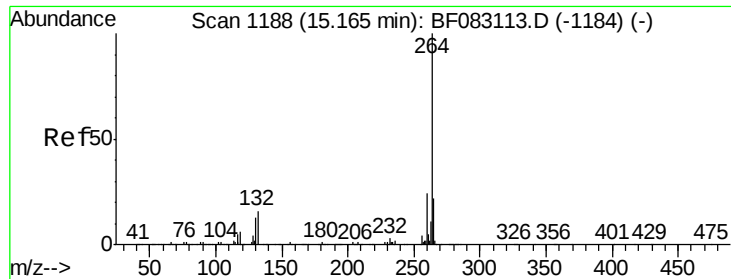
#78
Terphenyl-d14
Concen: 89.81 ng
RT: 12.72 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF083244.D
Acq: 24 Nov 2015 18:45

Tgt Ion:244 Resp: 2290152
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 8.0 4.3 6.5#



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

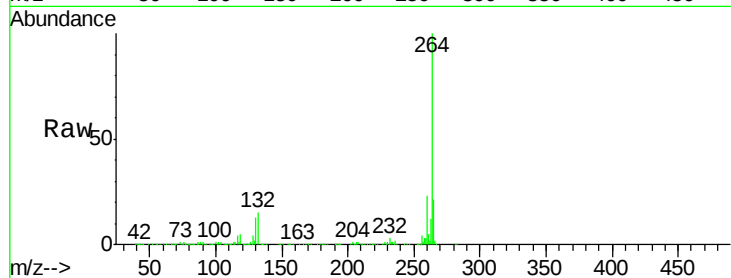




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083244.D
Acq: 24 Nov 2015 18:45

Instrument :
BNA_F
ClientSampleId :
A19-COMP

Tgt Ion: 264 Resp: 469238
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 21.5 18.2 27.4



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

