

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083223.D
 Acq On : 24 Nov 2015 00:34
 Operator : UM/IZ
 Sample : G4496-01RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Quant Time: Nov 24 04:39:42 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

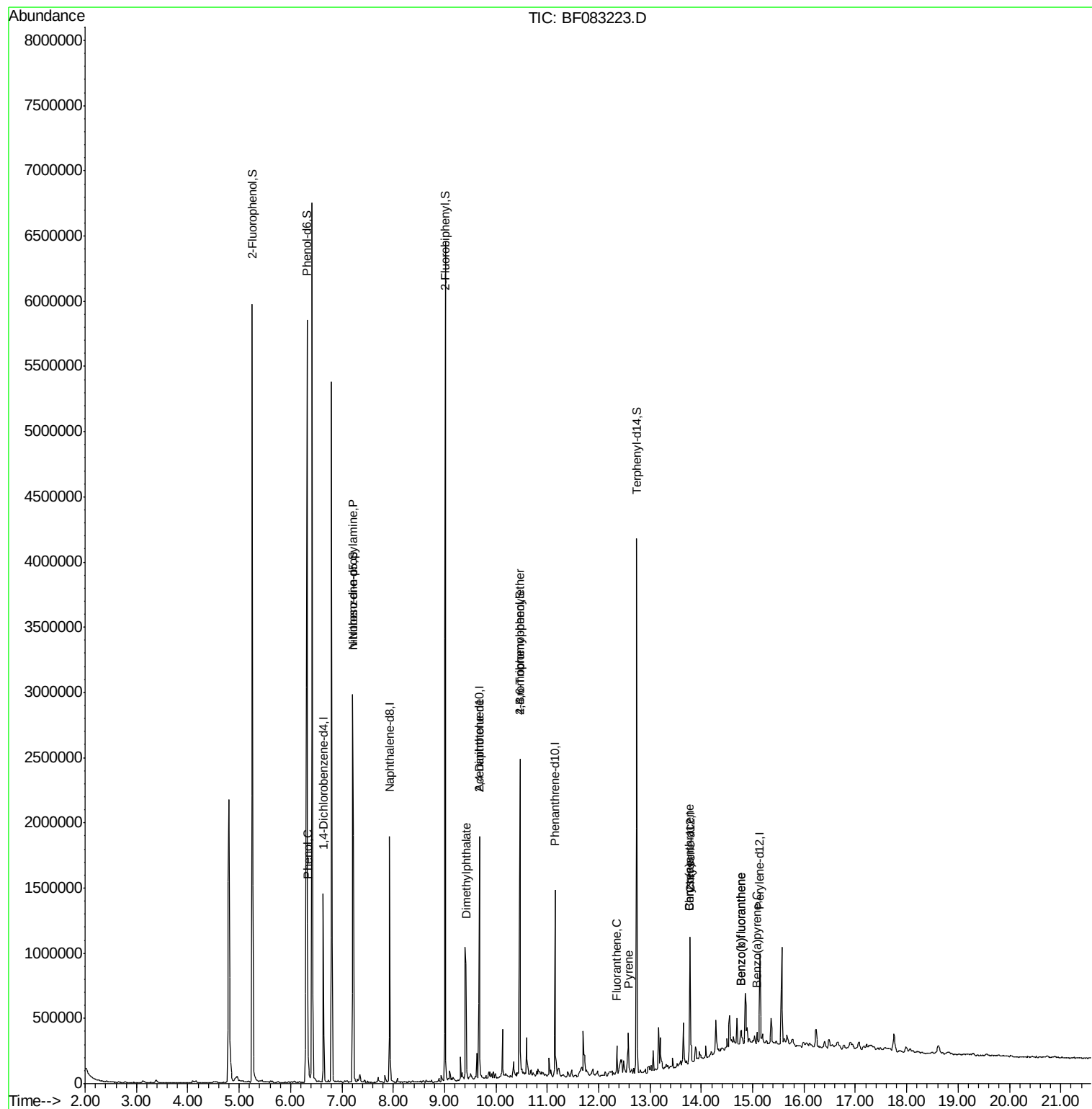
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	210386	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	774019	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	349117	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	507385	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	410266	20.00	ng	-0.02
86) Perylene-d12	15.14	264	303766	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1839890	132.22	ng	-0.02
7) Phenol-d6	6.32	99	2392502	132.88	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1368836	80.81	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	298083	83.46	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	2326050	92.91	ng	-0.01
78) Terphenyl-d14	12.74	244	1398093	80.25	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.32	77	5439	Below Cal	Qvalue	# 24
10) Phenol	6.33	94	55374	2.54 ng		94
19) n-Nitroso-di-n-propylamine	7.21	70	185158	14.78 ng	#	79
49) Dimethylphthalate	9.42	163	576276	21.44 ng	#	97
56) 2,4-Dinitrotoluene	9.68	165	46956	6.14 ng	#	10
66) 4-Bromophenyl-phenylether	10.47	248	21660	3.85 ng	#	1
74) Fluoranthene	12.35	202	96234	3.22 ng		95
77) Pyrene	12.58	202	87948	3.14 ng		98
80) Benzo(a)anthracene	13.77	228	54940	2.17 ng		100
82) Chrysene	13.77	228	54940	2.33 ng		96
87) Benzo(b)fluoranthene	14.78	252	86362	4.16 ng	#	87
88) Benzo(k)fluoranthene	14.78	252	86362	5.58 ng	#	89
89) Benzo(a)pyrene	15.09	252	38717	2.26 ng	#	88

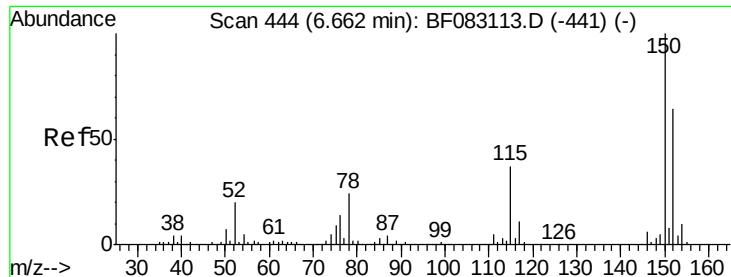
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

A17-COMP

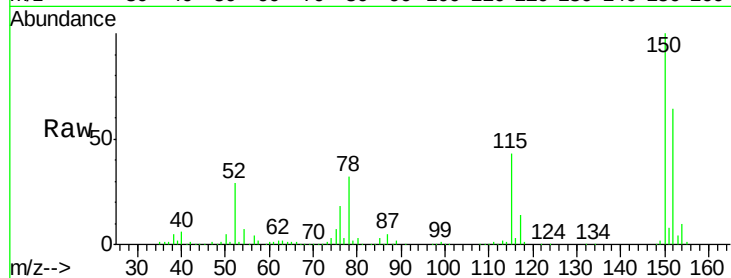
Tgt Ion:152 Resp: 210386

Ion Ratio Lower Upper

152 100

150 157.1 125.8 188.8

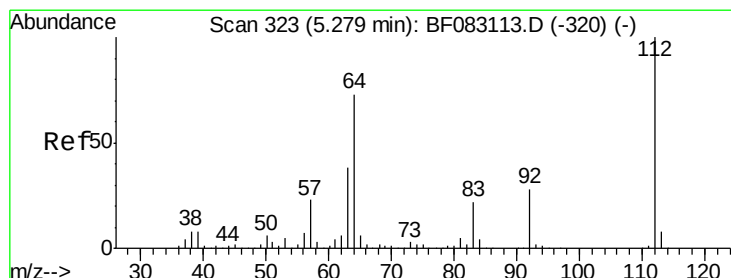
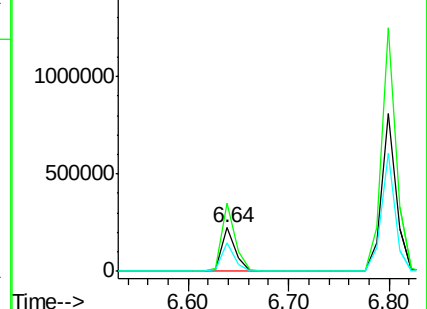
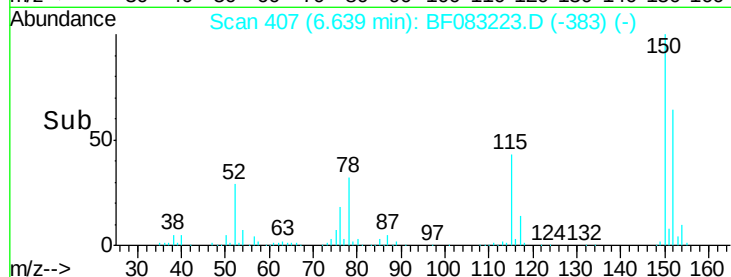
115 67.2 46.9 70.3



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: 132.22 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

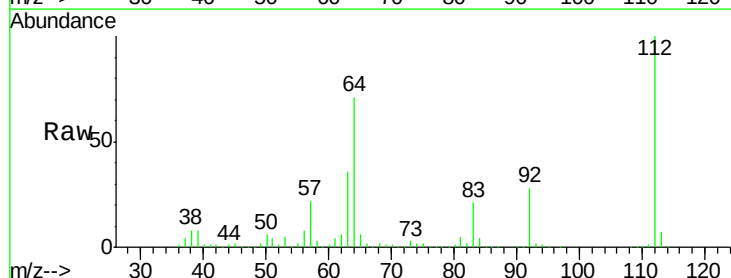
Tgt Ion:112 Resp: 1839890

Ion Ratio Lower Upper

112 100

64 70.7 58.4 87.6

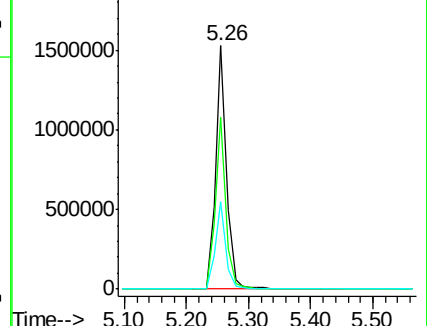
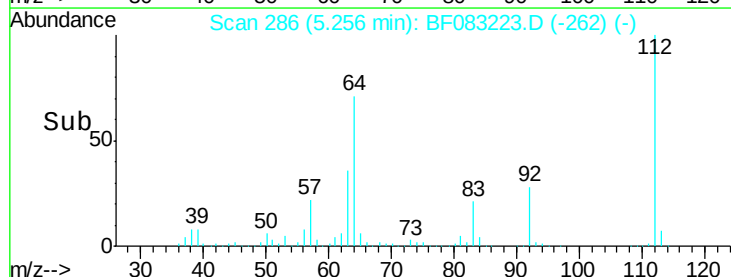
63 36.1 30.0 45.0

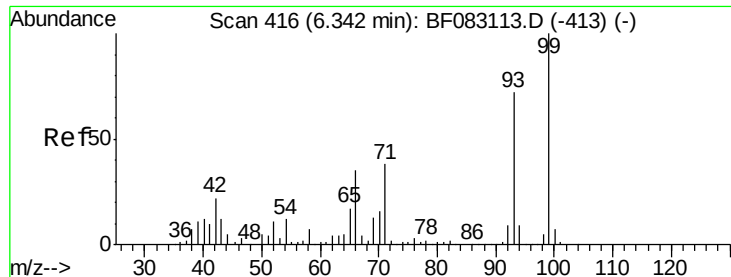


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.88 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

A17-COMP

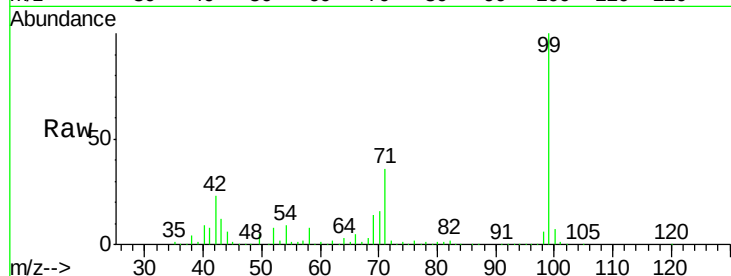
Tgt Ion: 99 Resp: 2392502

Ion Ratio Lower Upper

99 100

42 22.6 17.7 26.5

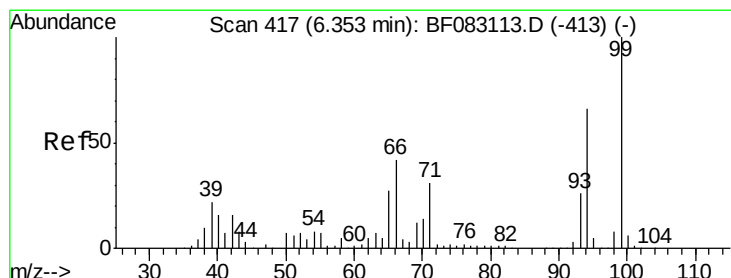
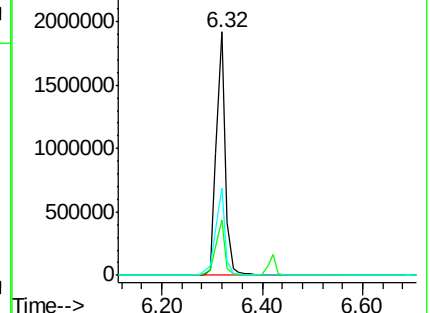
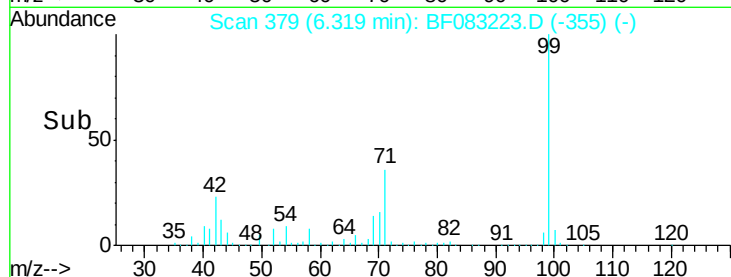
71 36.1 30.2 45.4



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



#10

Phenol

Concen: 2.54 ng

RT: 6.33 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

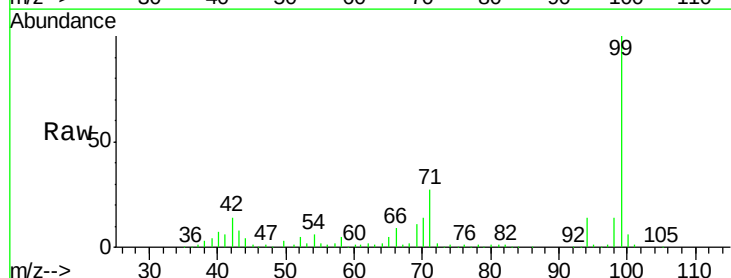
Tgt Ion: 94 Resp: 55374

Ion Ratio Lower Upper

94 100

65 34.1 21.1 61.1

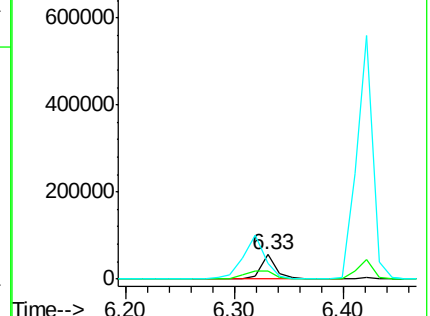
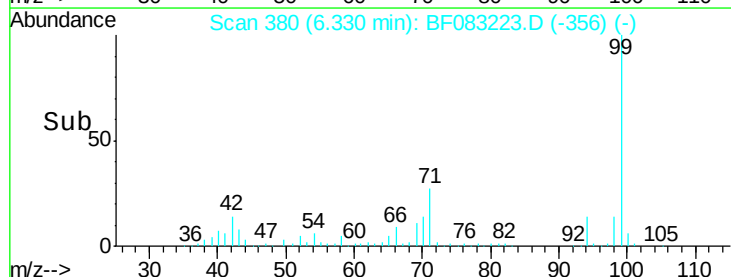
66 65.1 43.1 83.1

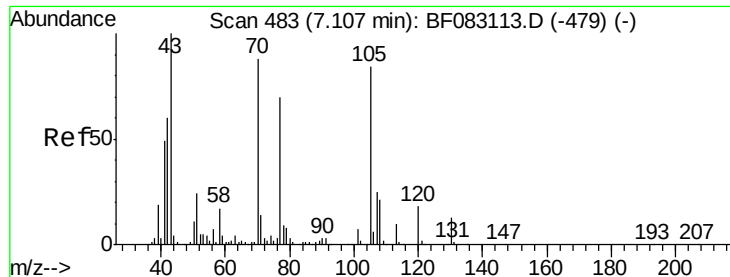


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

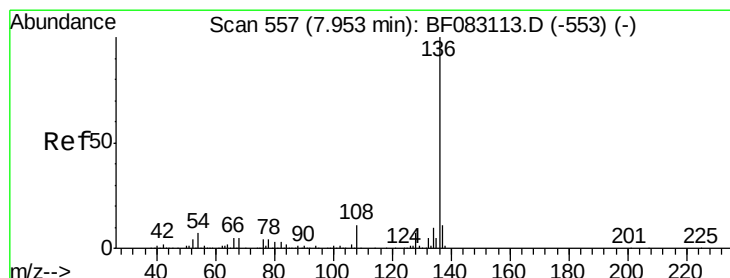
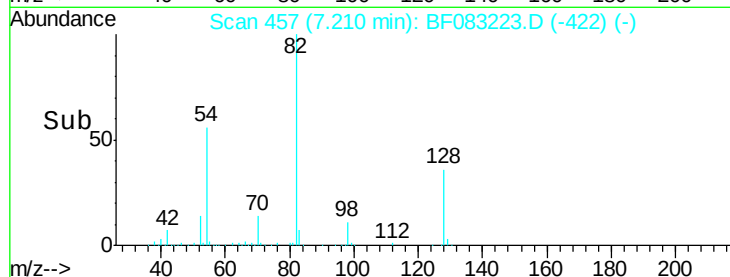
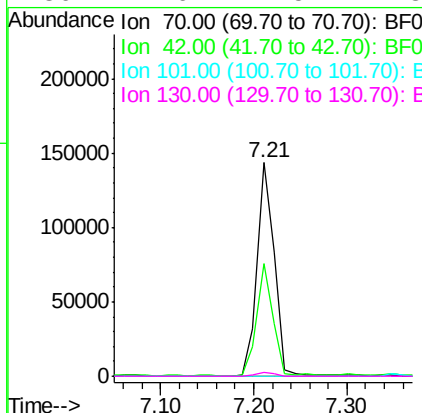
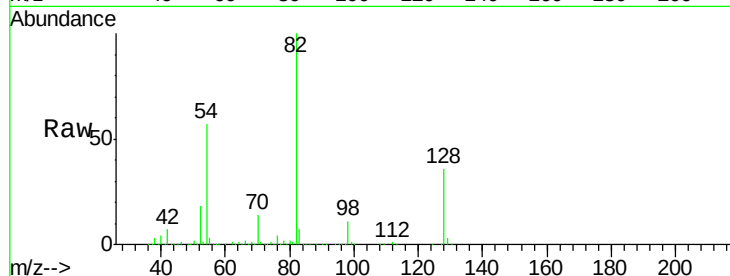




#19
n-Nitroso-di-n-propylamine
Concen: 14.78 ng
RT: 7.21 min Scan# 457
Delta R.T. 0.10 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

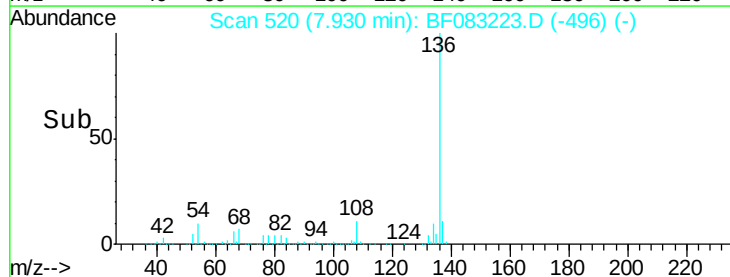
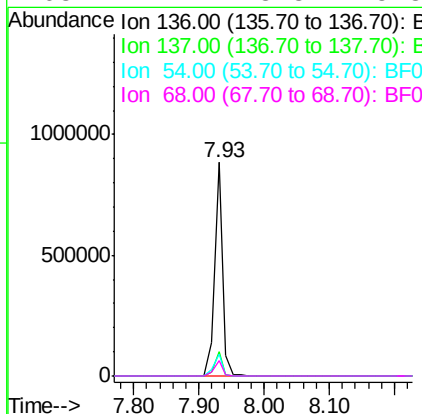
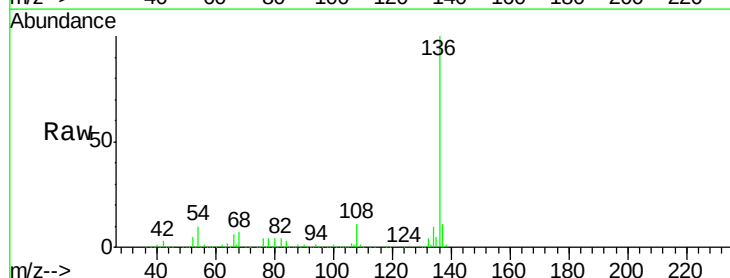
Instrument :
BNA_F
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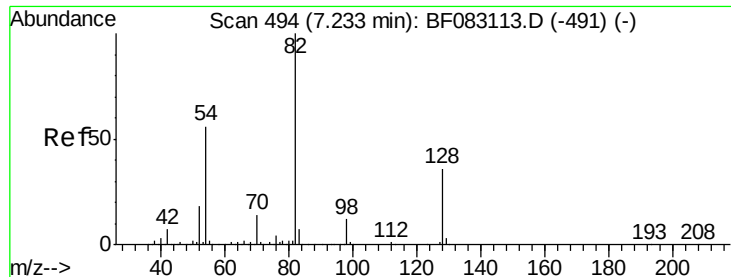
Tgt Ion: 70 Resp: 185158
Ion Ratio Lower Upper
70 100
42 52.5 54.5 81.7#
101 0.0 6.6 9.8#
130 1.6 11.5 17.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 520
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion: 136 Resp: 774019
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 9.9 5.8 8.6#
68 7.2 3.8 5.8#

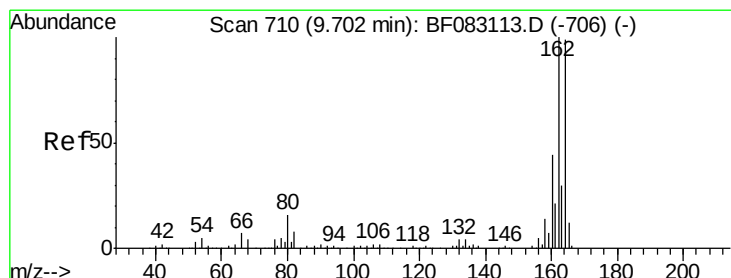
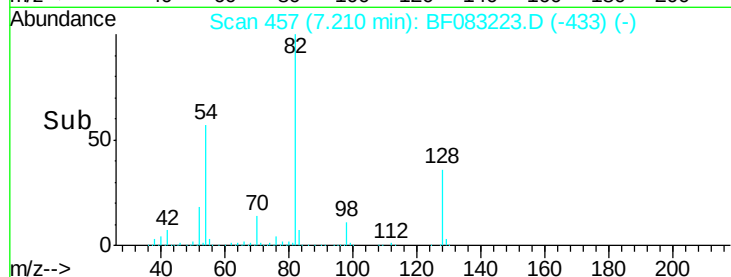
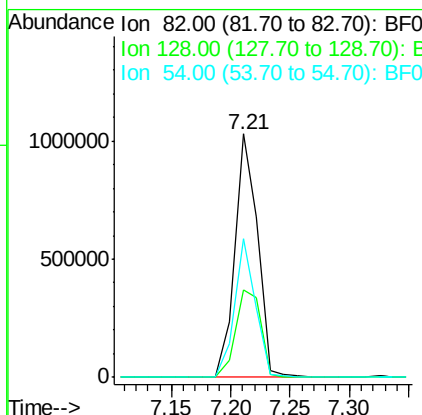
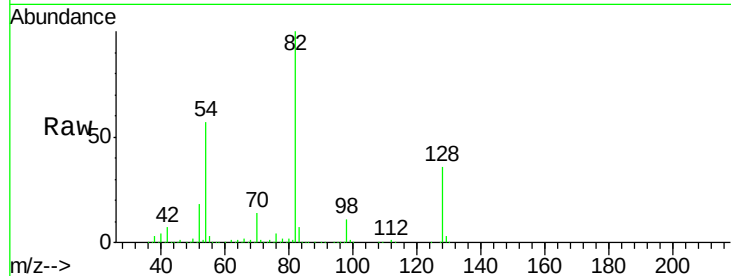




#23
 Nitrobenzene-d5
 Concen: 80.81 ng
 RT: 7.21 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

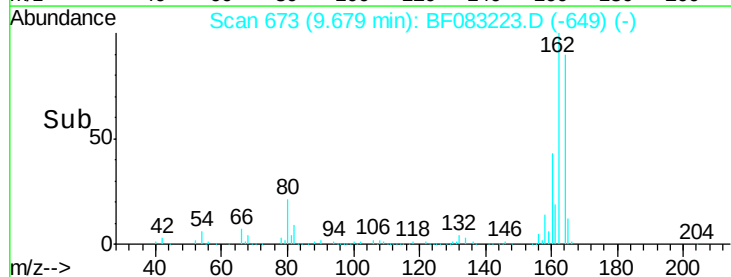
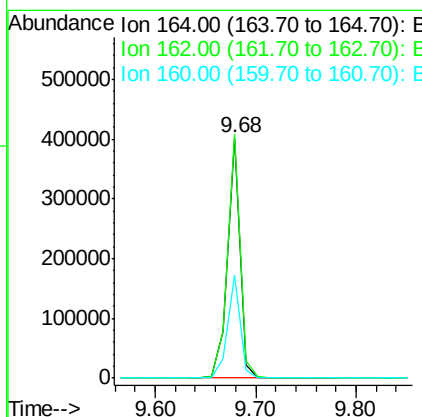
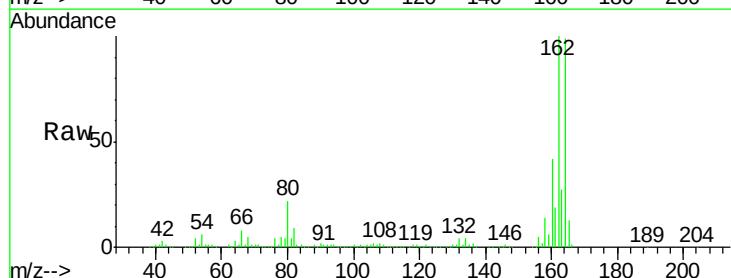
Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

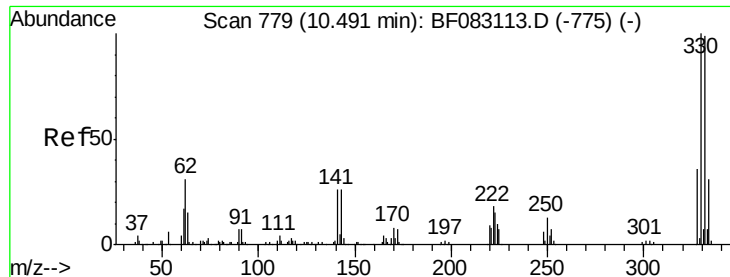
Tgt Ion: 82 Resp: 1368836
 Ion Ratio Lower Upper
 82 100
 128 36.2 28.5 42.7
 54 56.8 44.6 67.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

Tgt Ion: 164 Resp: 349117
 Ion Ratio Lower Upper
 164 100
 162 101.4 81.2 121.8
 160 43.1 35.6 53.4

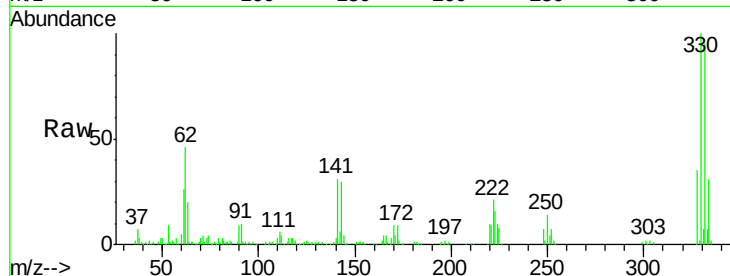




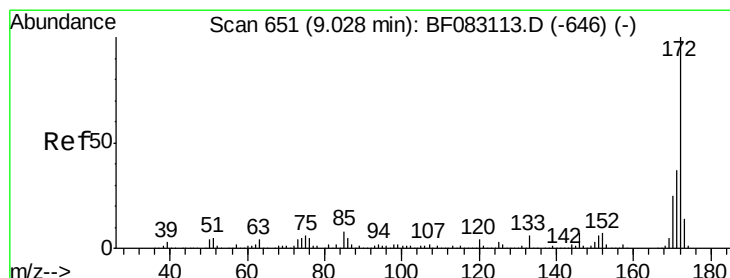
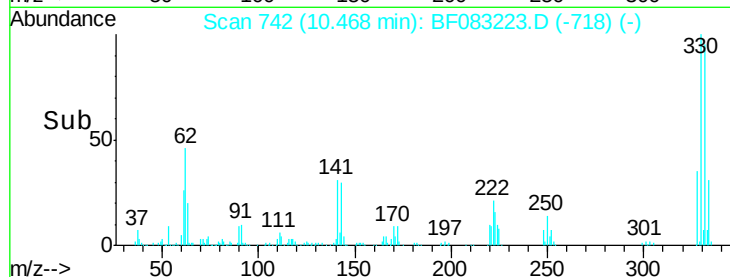
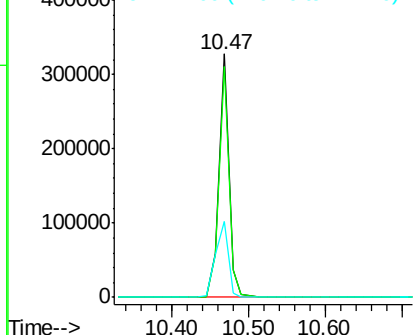
#41
 2,4,6-Tribromophenol
 Concen: 83.46 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

Tgt Ion:330 Resp: 298083
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.7 116.5
 141 39.5 29.7 44.5

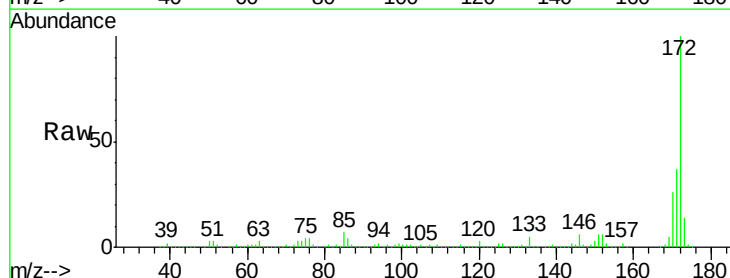


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

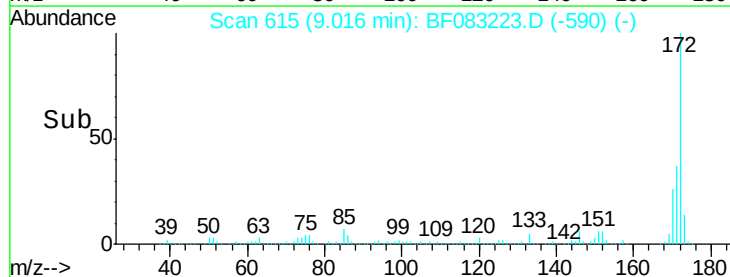
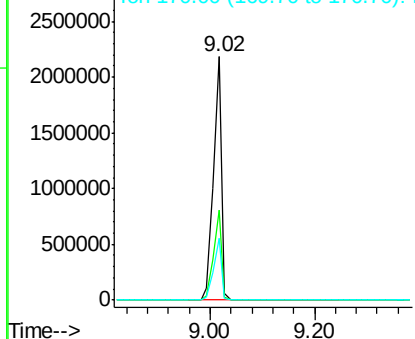


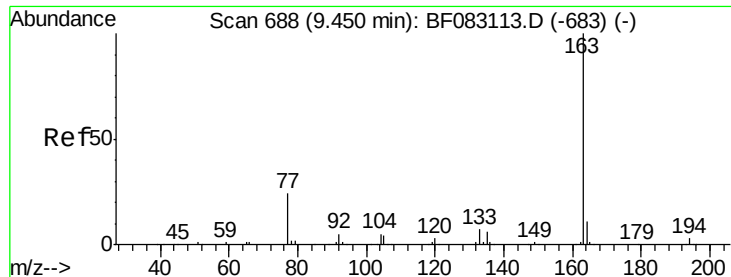
#44
 2-Fluorobiphenyl
 Concen: 92.91 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

Tgt Ion:172 Resp: 2326050
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.5 44.3
 170 25.6 19.9 29.9



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

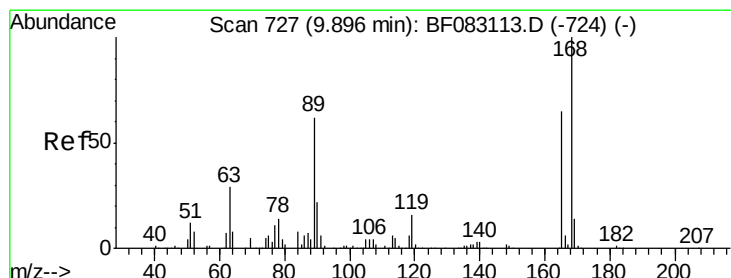
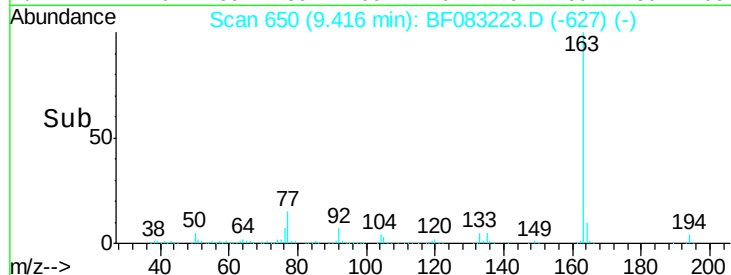
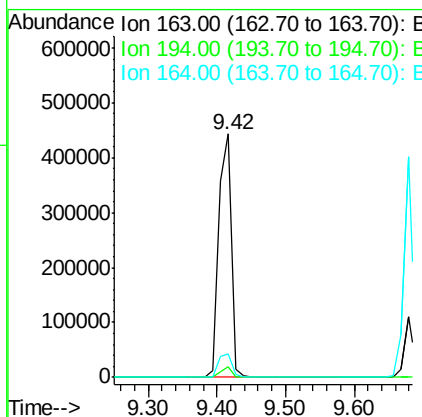
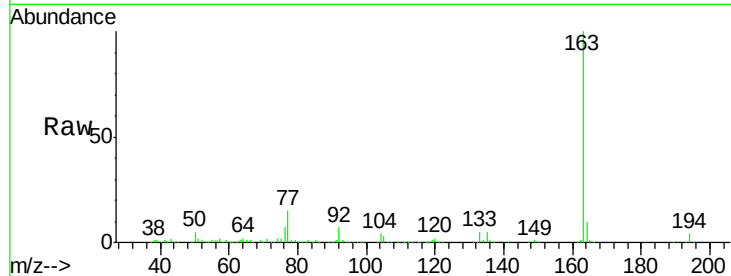




#49
Dimethylphthalate
Concen: 21.44 ng
RT: 9.42 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

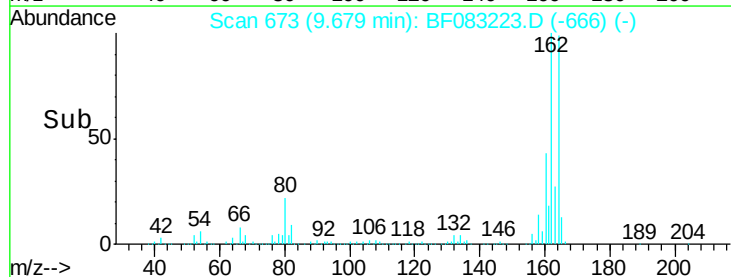
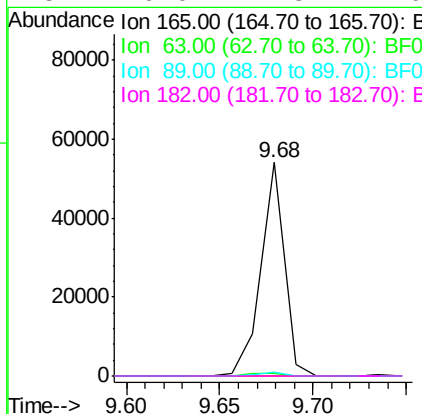
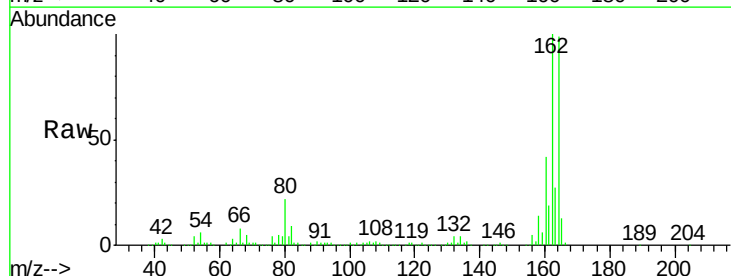
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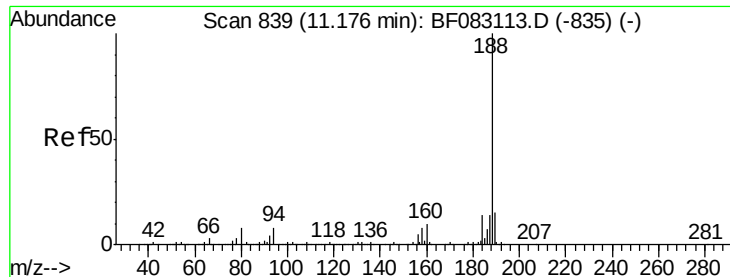
Tgt Ion:163 Resp: 576276
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 9.6 8.6 12.8



#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.22 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion:165 Resp: 46956
Ion Ratio Lower Upper
165 100
63 1.2 54.5 81.7#
89 1.6 77.3 115.9#
182 0.0 1.8 2.6#

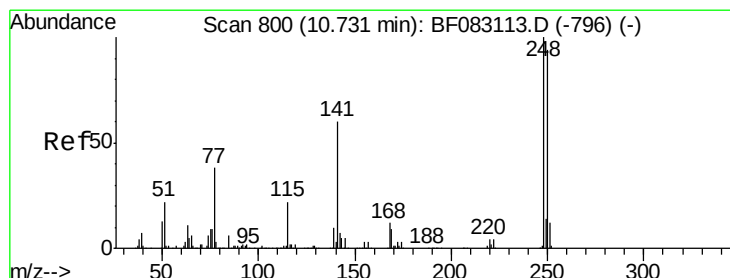
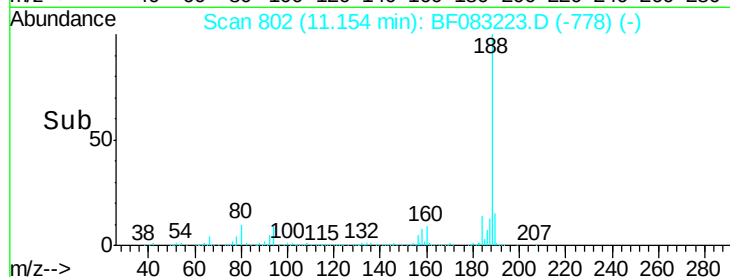
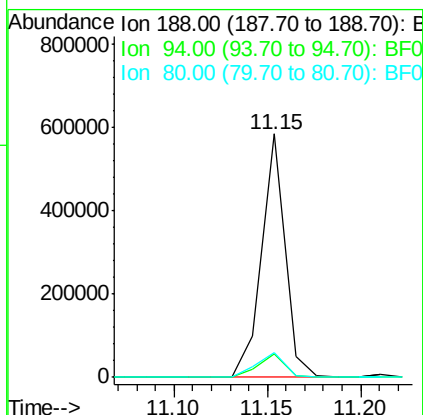
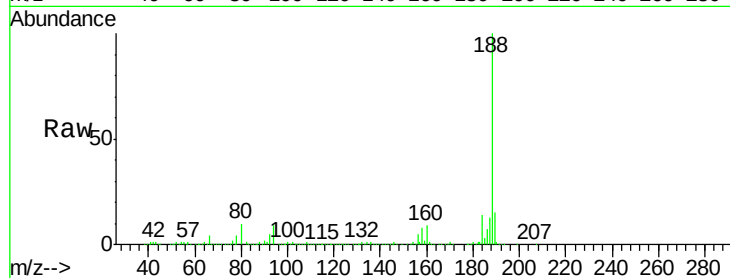




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

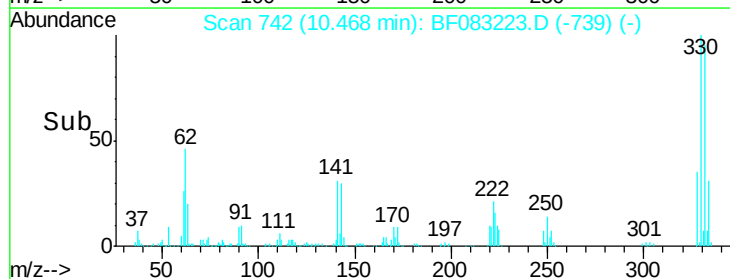
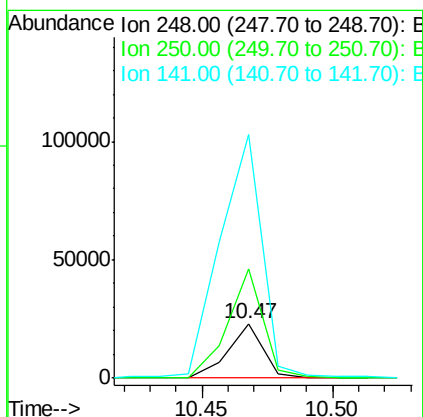
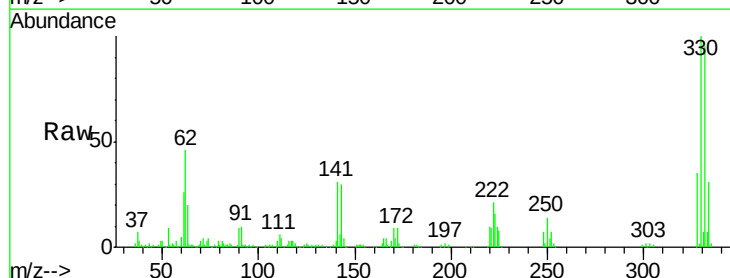
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A17-COMP

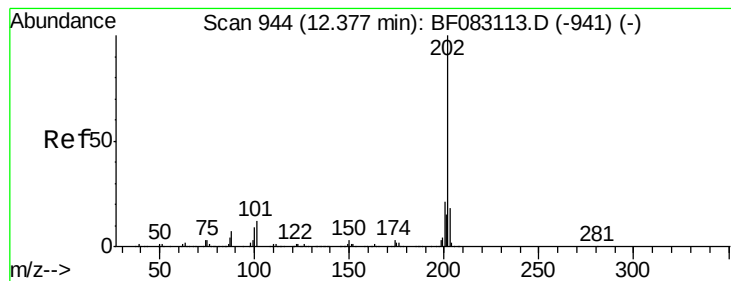
Tgt Ion:188 Resp: 507385
Ion Ratio Lower Upper
188 100
94 9.4 6.0 9.0#
80 10.3 6.7 10.1#



#66
4-Bromophenyl-phenylether
Concen: 3.85 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.26 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion:248 Resp: 21660
Ion Ratio Lower Upper
248 100
250 199.5 75.4 113.2#
141 446.3 48.1 72.1#





#74

Fluoranthene

Concen: 3.22 ng

RT: 12.35 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

A17-COMP

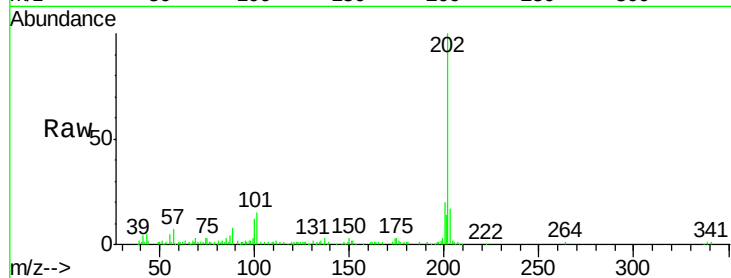
Tgt Ion:202 Resp: 96234

Ion Ratio Lower Upper

202 100

101 14.9 0.0 32.3

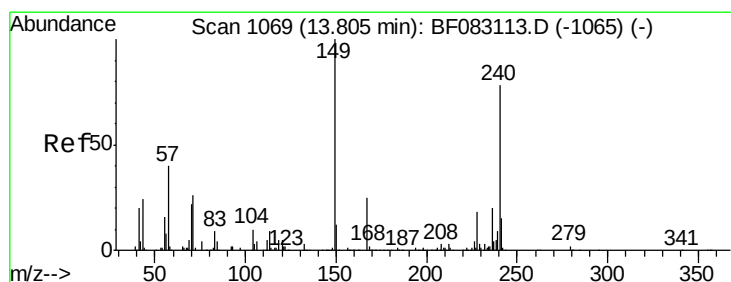
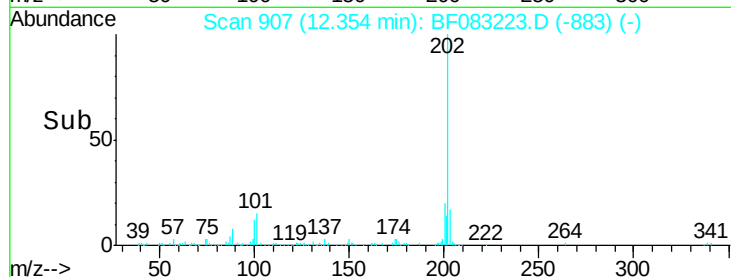
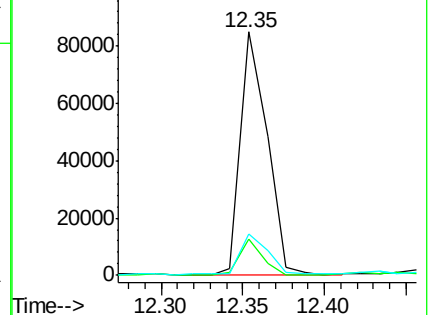
203 16.9 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

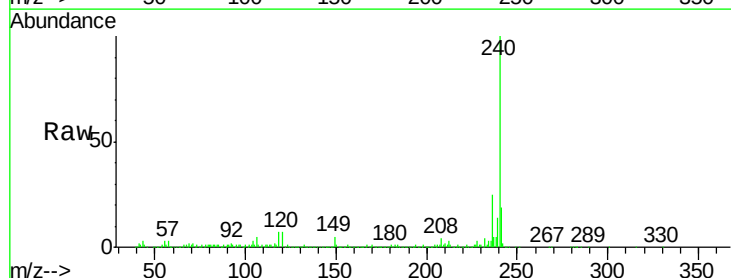
Tgt Ion:240 Resp: 410266

Ion Ratio Lower Upper

240 100

120 7.3 5.4 8.2

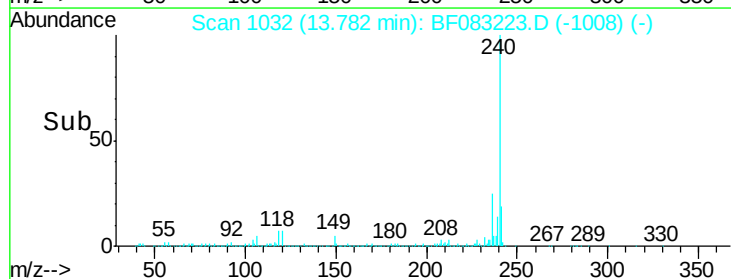
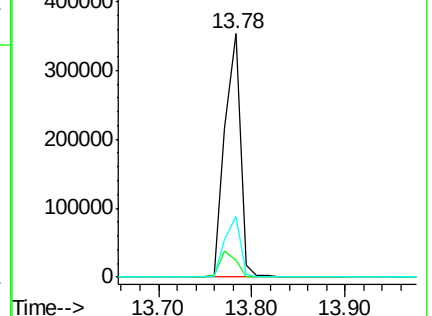
236 24.8 20.6 31.0

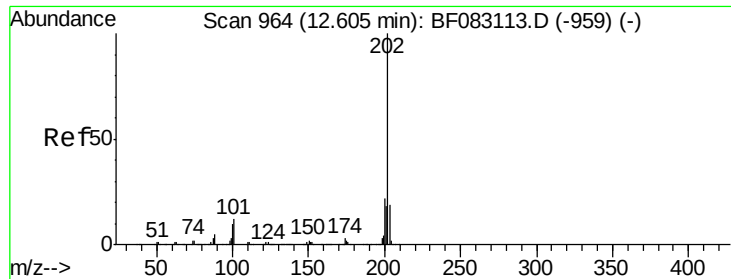


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

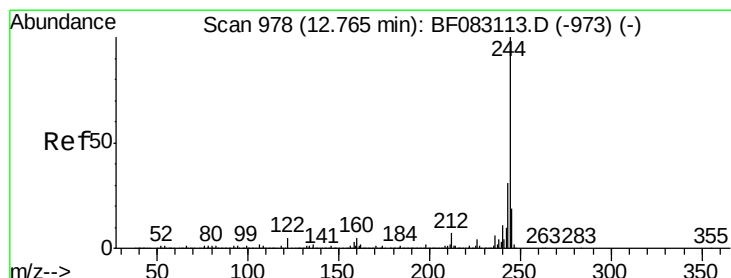
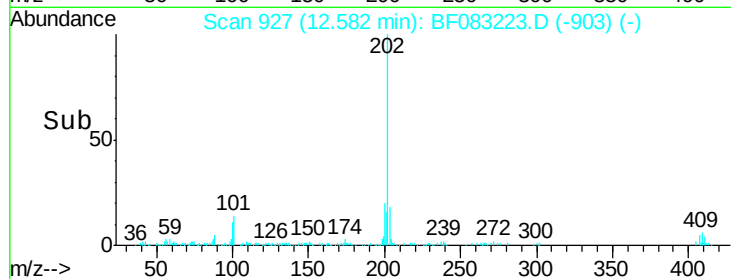
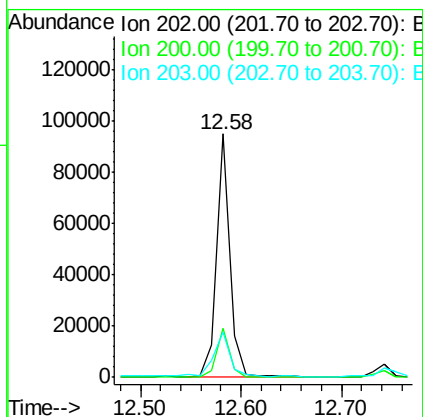
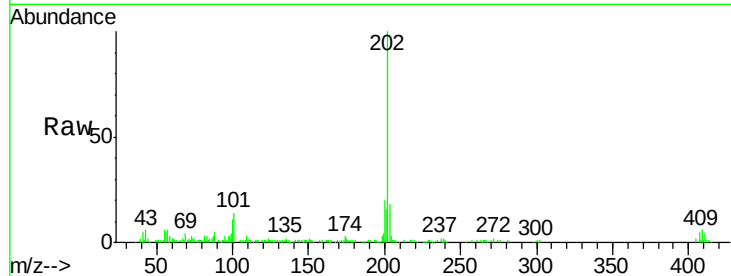




#77
 Pyrene
 Concen: 3.14 ng
 RT: 12.58 min Scan# 927
 Delta R.T. -0.02 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

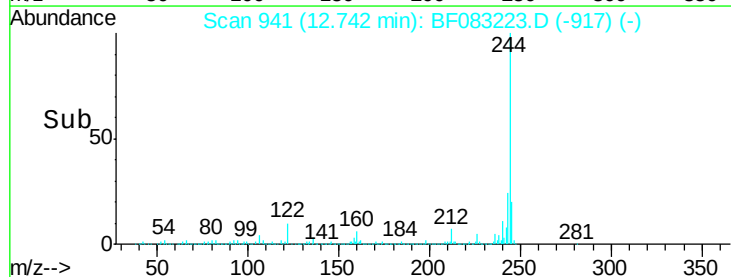
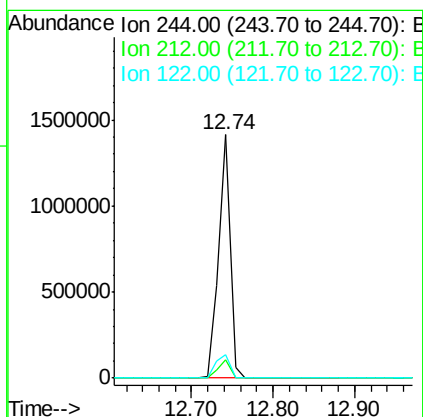
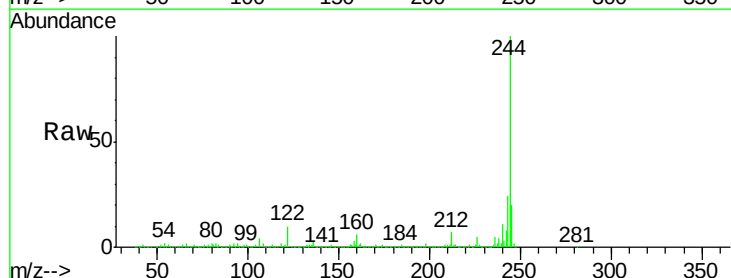
Instrument :
 BNA_F
 ClientSampleId :
 A17-COMP

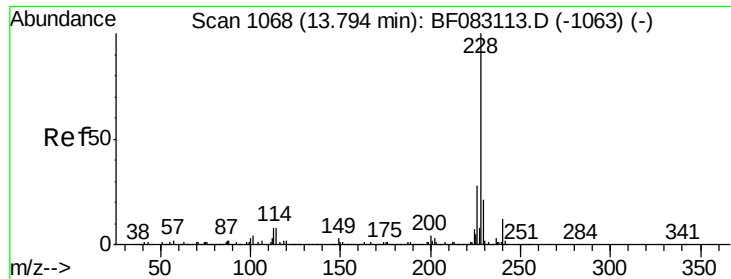
Tgt Ion:202 Resp: 87948
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.8 26.6
 203 18.3 15.0 22.4



#78
 Terphenyl-d14
 Concen: 80.25 ng
 RT: 12.74 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: BF083223.D
 Acq: 24 Nov 2015 00:34

Tgt Ion:244 Resp: 1398093
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 9.9 4.3 6.5#

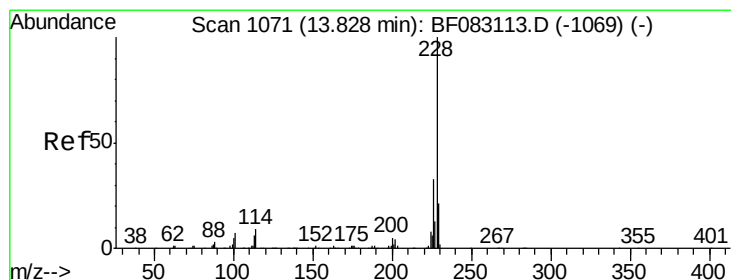
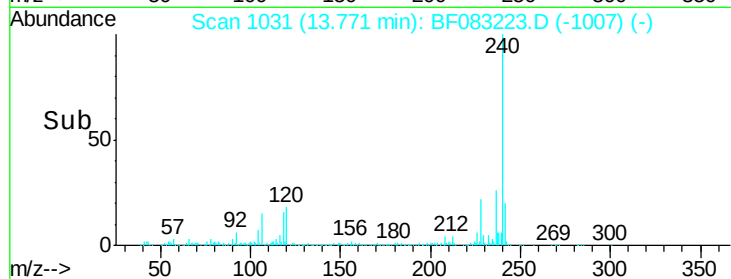
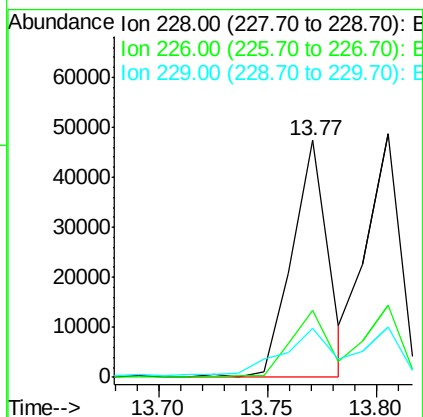
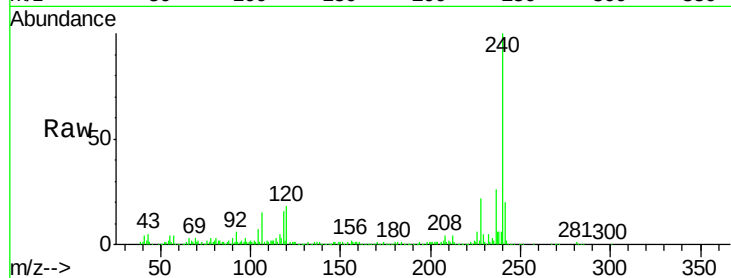




#80
Benzo(a)anthracene
Concen: 2.17 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

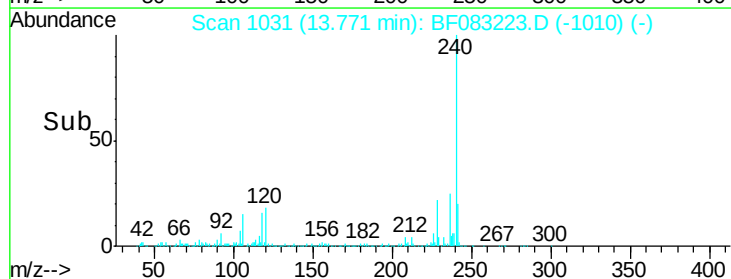
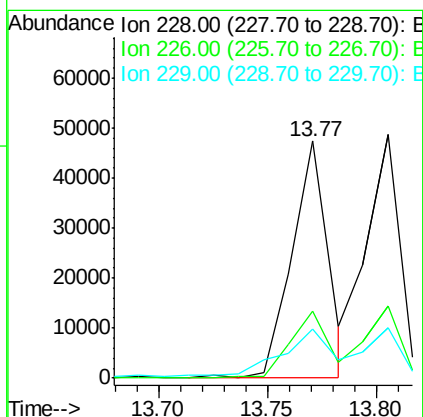
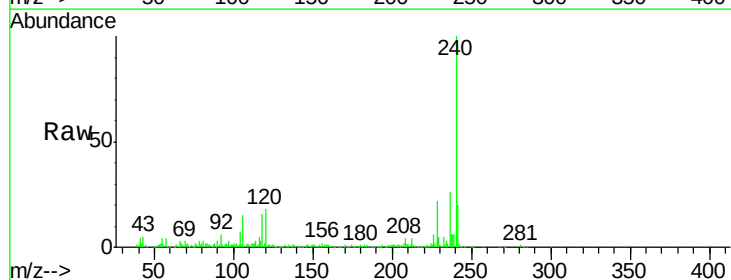
Instrument :
BNA_F
ClientSampleId :
A17-COMP

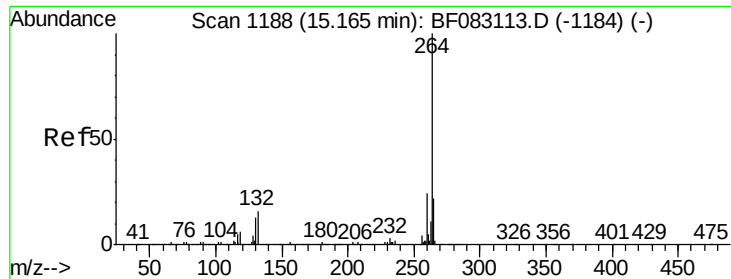
Tgt Ion:228 Resp: 54940
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 20.8 16.6 24.8



#82
Chrysene
Concen: 2.33 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion:228 Resp: 54940
Ion Ratio Lower Upper
228 100
226 28.4 25.5 38.3
229 20.8 16.6 25.0



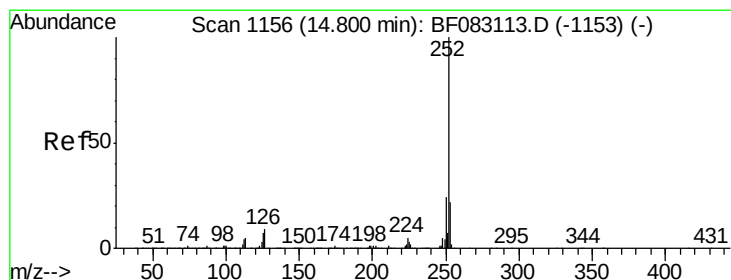
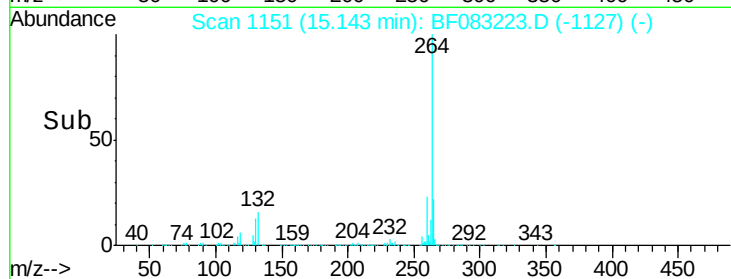
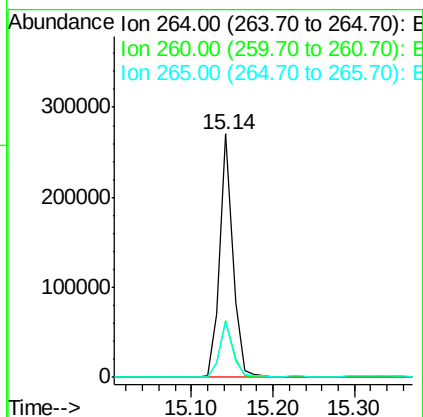
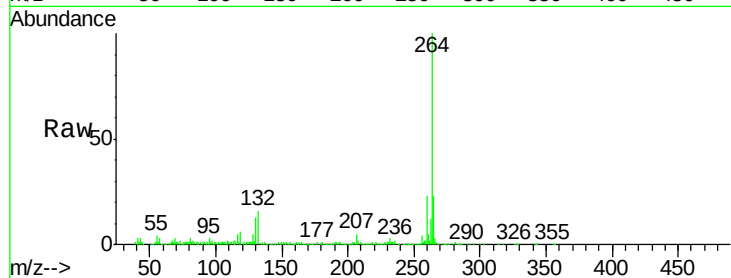


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Instrument :
BNA_F
ClientSampleId :
A17-COMP

Tgt Ion: 264 Resp: 303766

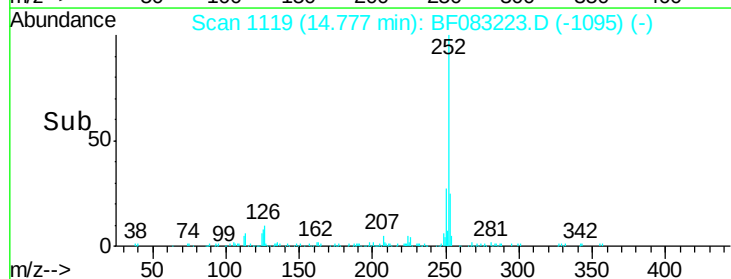
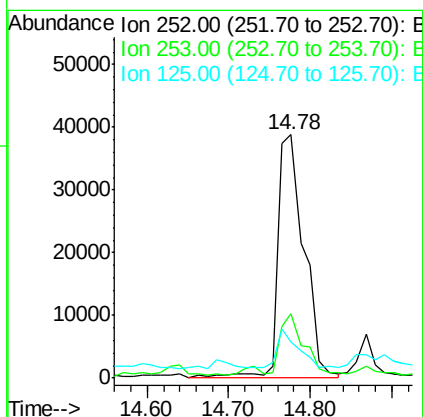
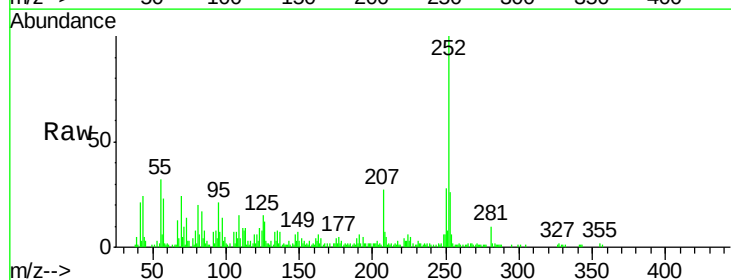
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	22.5	18.2	27.4

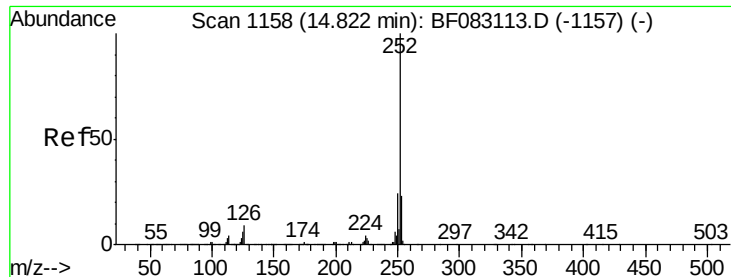


#87
Benzo(b)fluoranthene
Concen: 4.16 ng
RT: 14.78 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083223.D
Acq: 24 Nov 2015 00:34

Tgt Ion: 252 Resp: 86362

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.7	26.5
125	14.9	5.6	8.4





#88

Benzo(k)fluoranthene

Concen: 5.58 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.05 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Instrument :

BNA_F

ClientSampleId :

A17-COMP

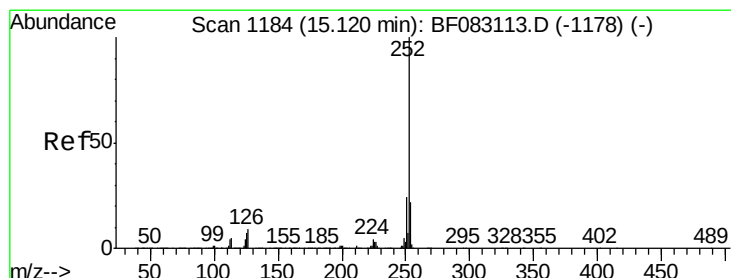
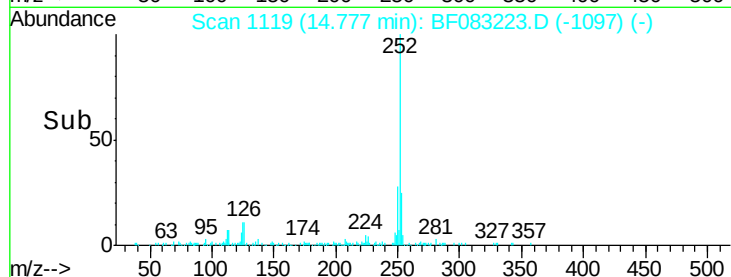
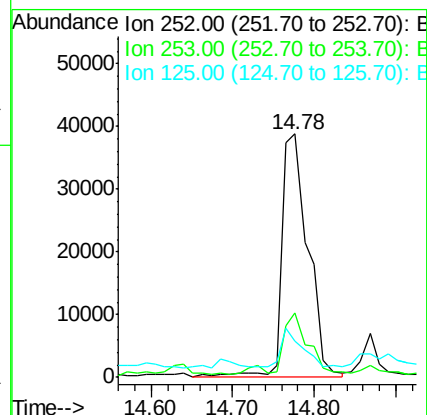
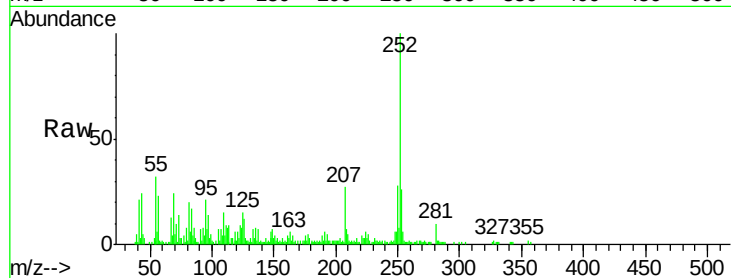
Tgt Ion:252 Resp: 86362

Ion Ratio Lower Upper

252 100

253 26.5 18.2 27.2

125 14.9 6.8 10.2#



#89

Benzo(a)pyrene

Concen: 2.26 ng

RT: 15.09 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF083223.D

Acq: 24 Nov 2015 00:34

Tgt Ion:252 Resp: 38717

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 15.3 5.4 8.0#

