

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
 Data File : BF083225.D
 Acq On : 24 Nov 2015 1:32
 Operator : UM/IZ
 Sample : G4496-05RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Quant Time: Nov 24 04:40:34 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	210829	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	798164	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	358400	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	538089	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	438883	20.00	ng	-0.02
86) Perylene-d12	15.14	264	315354	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1464000	104.98	ng	-0.02
7) Phenol-d6	6.32	99	2027544	112.37	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1027965	58.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	260983	71.18	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	1838082	71.52	ng	-0.01
78) Terphenyl-d14	12.74	244	1245631	66.83	ng	-0.02

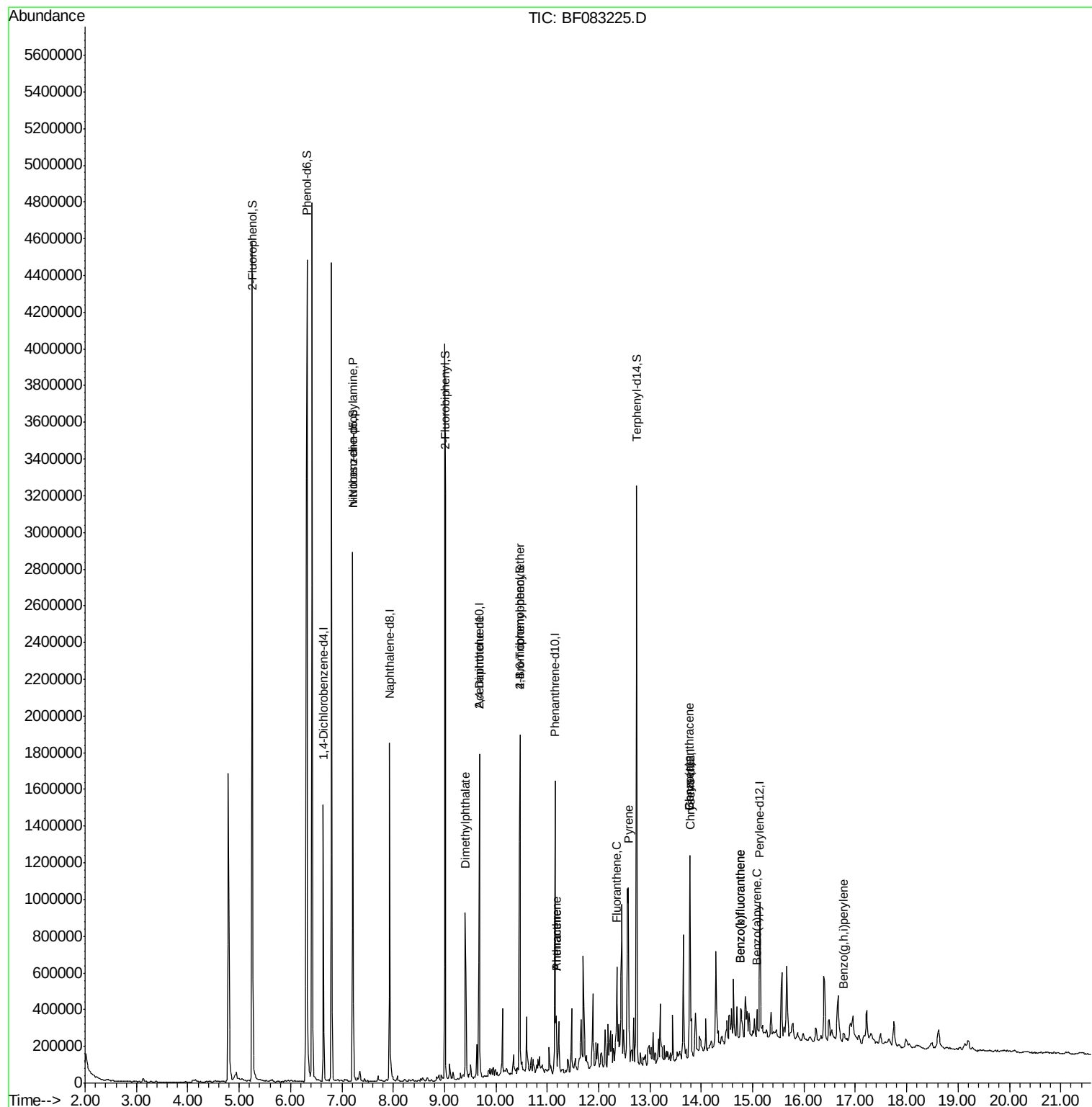
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.19	77	2246	Below Cal		86
19) n-Nitroso-di-n-propylamine	7.21	70	138856	11.06	ng	# 79
49) Dimethylphthalate	9.40	163	453321	16.43	ng	99
56) 2,4-Dinitrotoluene	9.68	165	47746	6.09	ng	# 11
66) 4-Bromophenyl-phenylether	10.47	248	17809	2.98	ng	# 1
70) Phenanthrene	11.18	178	104783	3.38	ng	95
71) Anthracene	11.18	178	104783	3.31	ng	96
74) Fluoranthene	12.35	202	217490	6.85	ng	97
77) Pyrene	12.58	202	194383	6.48	ng	97
80) Benzo(a)anthracene	13.77	228	92379	3.40	ng	98
82) Chrysene	13.77	228	92379	3.67	ng	94
87) Benzo(b)fluoranthene	14.77	252	130878	6.07	ng	# 92
88) Benzo(k)fluoranthene	14.77	252	130878	8.15	ng	# 94
89) Benzo(a)pyrene	15.09	252	59183	3.33	ng	# 92
91) Benzo(g,h,i)perylene	16.78	276	34485	2.19	ng	# 89

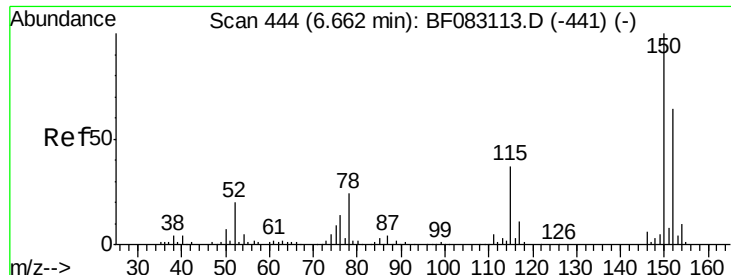
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Nov 22 09:22:46 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

Instrument :

BNA_F

ClientSampleId :

A19-COMP

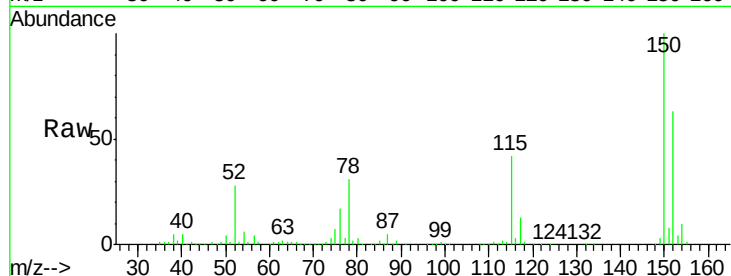
Tgt Ion:152 Resp: 210829

Ion Ratio Lower Upper

152 100

150 158.5 125.8 188.8

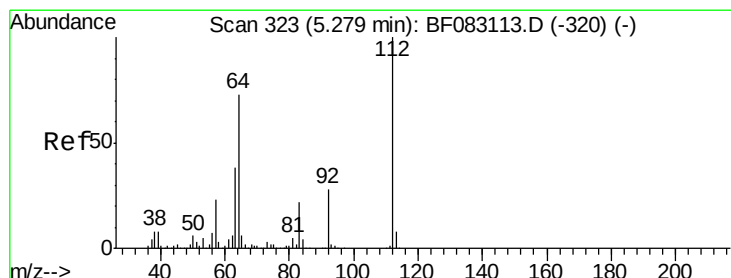
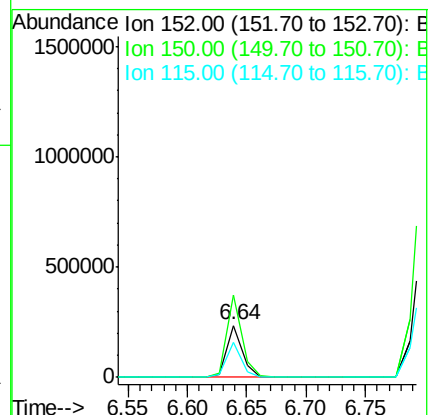
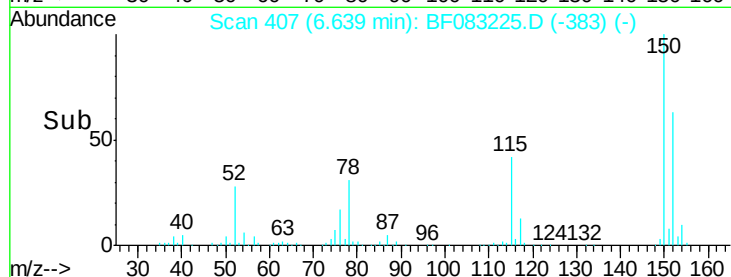
115 66.3 46.9 70.3



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: 104.98 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

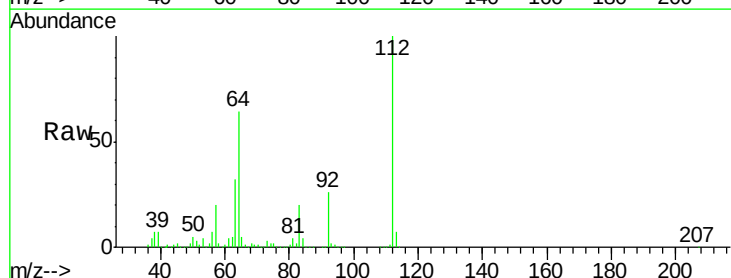
Tgt Ion:112 Resp: 1464000

Ion Ratio Lower Upper

112 100

64 63.6 58.4 87.6

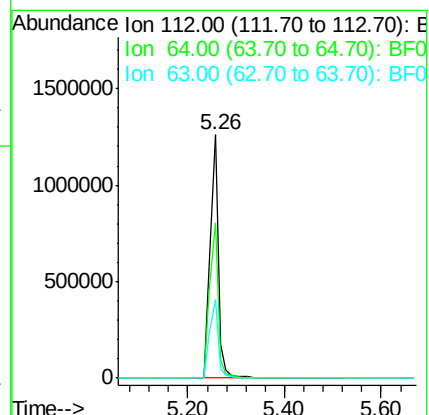
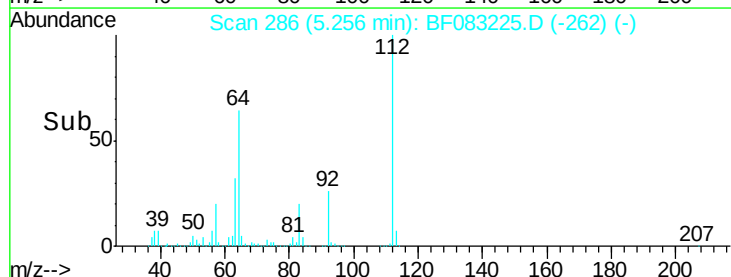
63 32.4 30.0 45.0

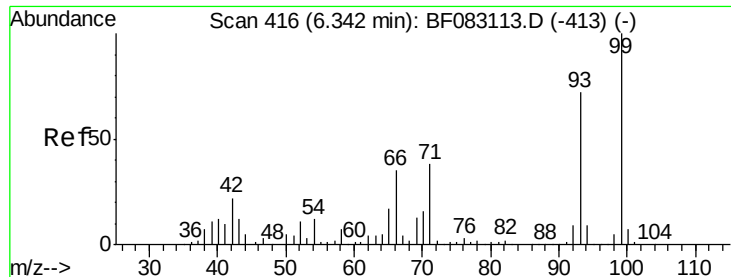


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.37 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

Instrument :

BNA_F

ClientSampleId :

A19-COMP

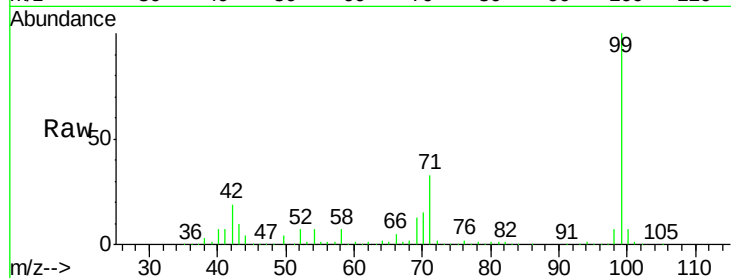
Tgt Ion: 99 Resp: 2027544

Ion Ratio Lower Upper

99 100

42 19.0 17.7 26.5

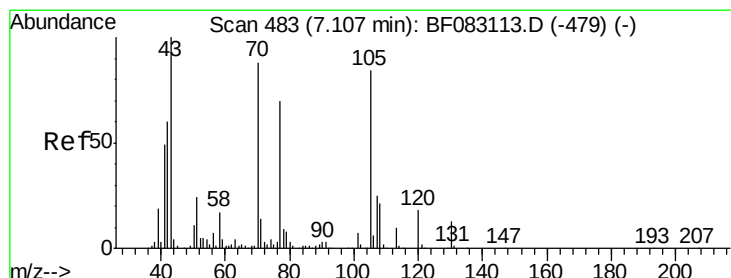
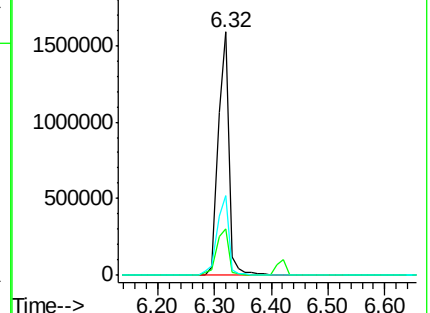
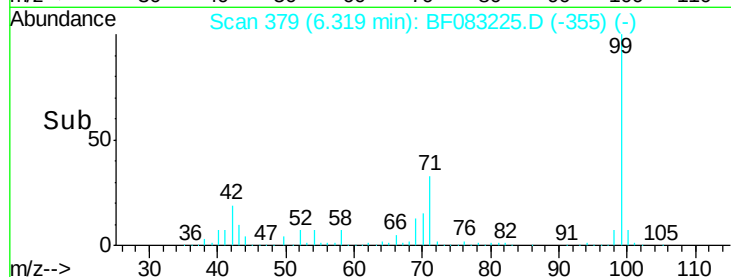
71 33.0 30.2 45.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.06 ng

RT: 7.21 min Scan# 457

Delta R.T. 0.10 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

Tgt Ion: 70 Resp: 138856

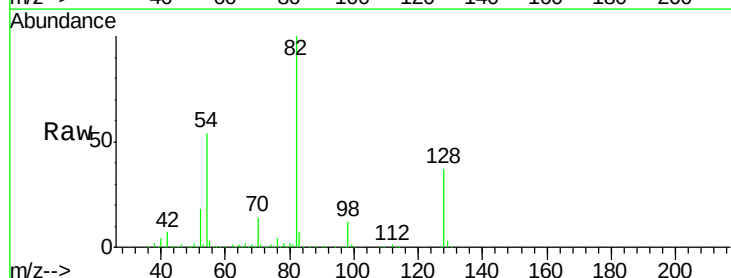
Ion Ratio Lower Upper

70 100

42 52.7 54.5 81.7#

101 0.0 6.6 9.8#

130 1.7 11.5 17.3#

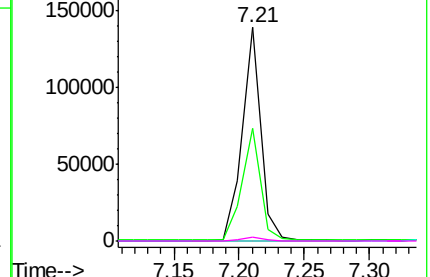
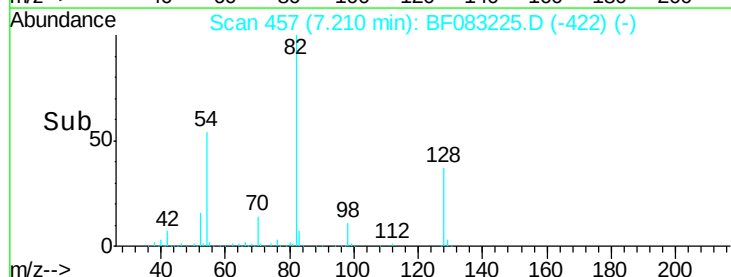


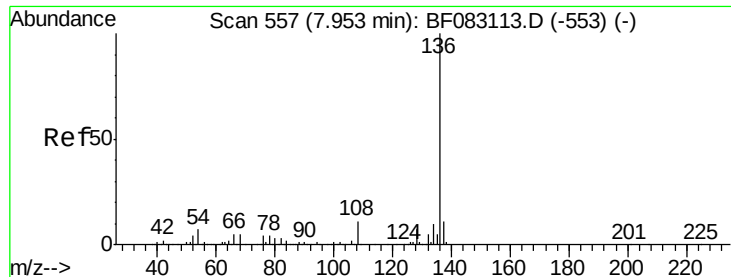
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

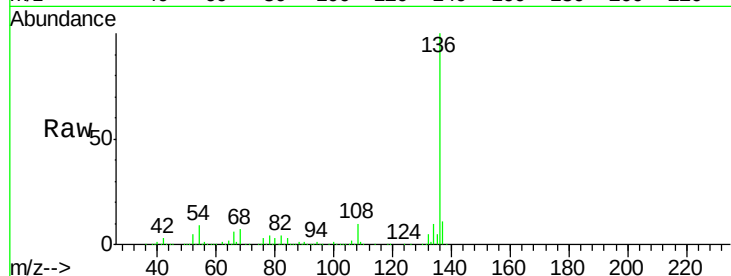




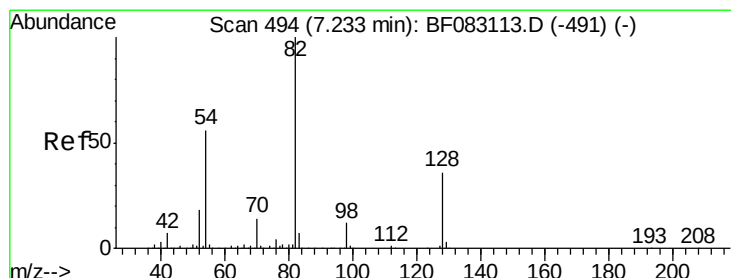
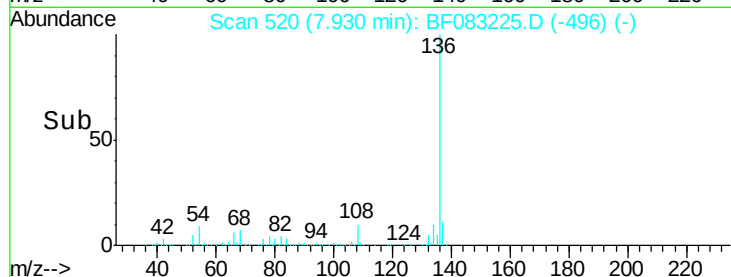
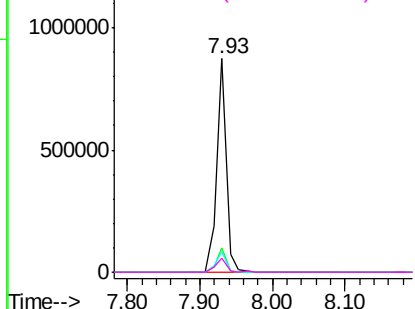
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 520
Delta R.T. -0.02 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

Instrument :
BNA_F
ClientSampleId :
A19-COMP

Tgt Ion:	136	Resp:	798164
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	9.4	5.8	8.6#
68	6.8	3.8	5.8#

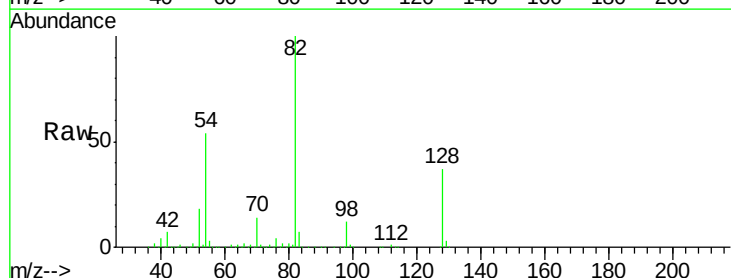


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

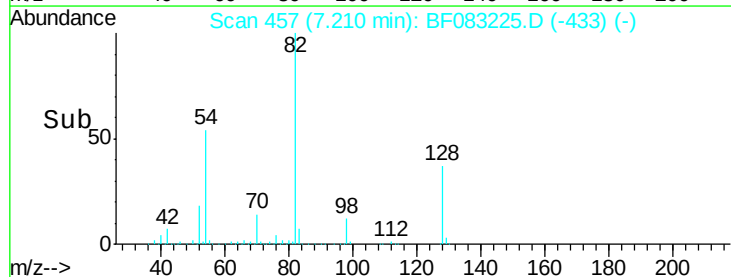
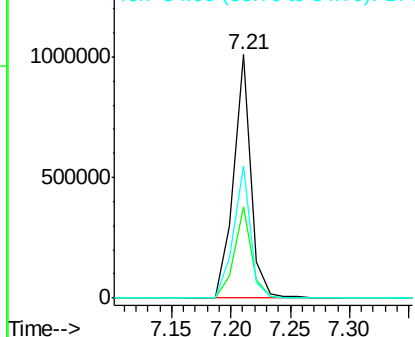


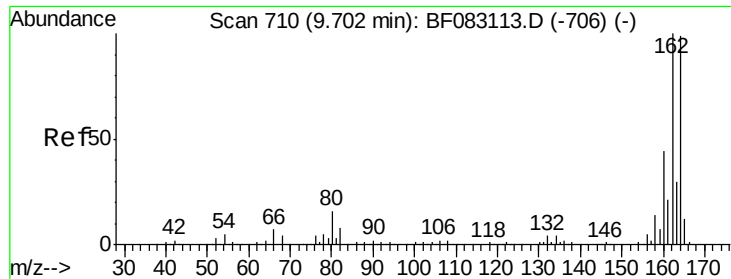
#23
Nitrobenzene-d5
Concen: 58.85 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

Tgt Ion:	82	Resp:	1027965
Ion	Ratio	Lower	Upper
82	100		
128	37.4	28.5	42.7
54	54.3	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

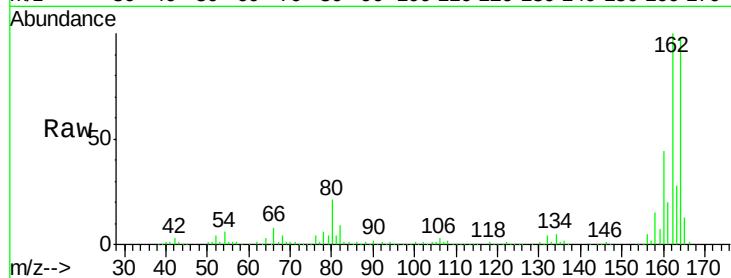




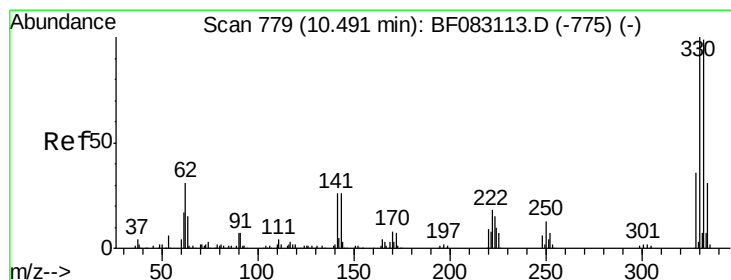
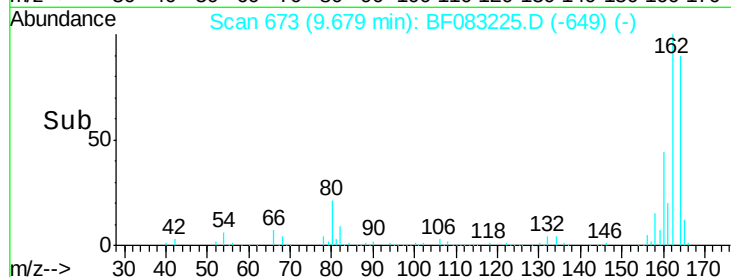
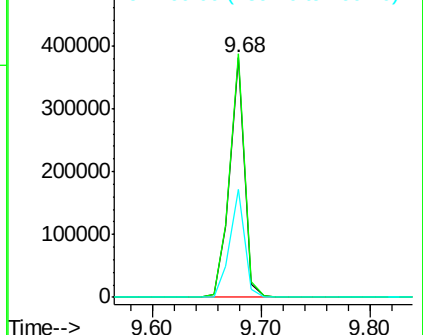
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Tgt Ion:164 Resp: 358400
 Ion Ratio Lower Upper
 164 100
 162 101.7 81.2 121.8
 160 44.9 35.6 53.4

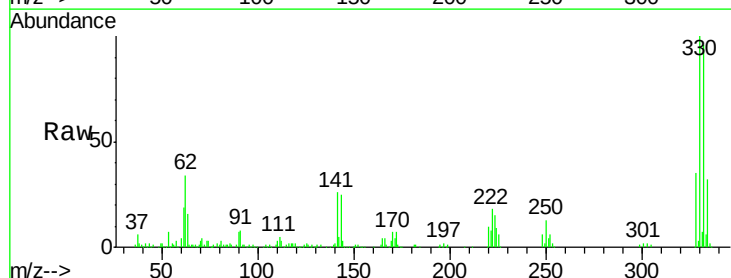


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

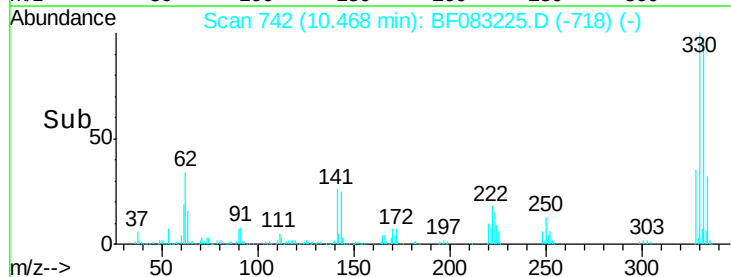
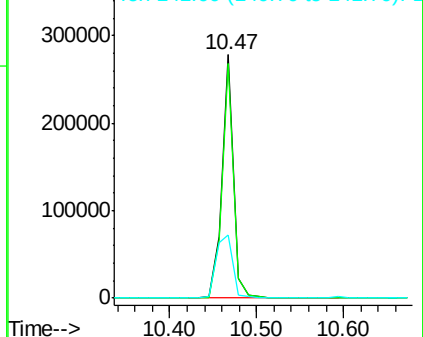


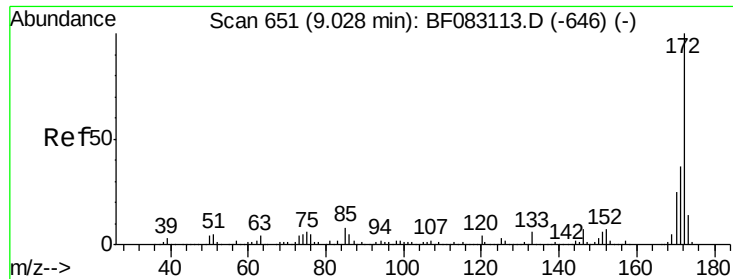
#41
 2,4,6-Tribromophenol
 Concen: 71.18 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Tgt Ion:330 Resp: 260983
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.7 116.5
 141 38.1 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

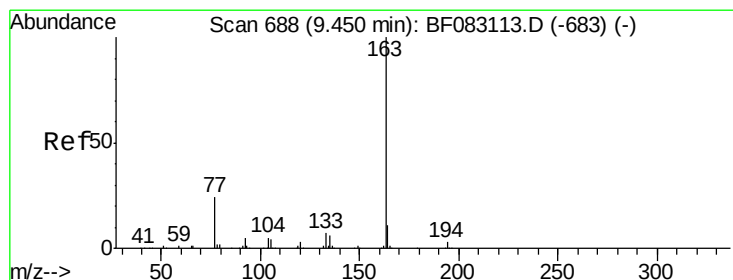
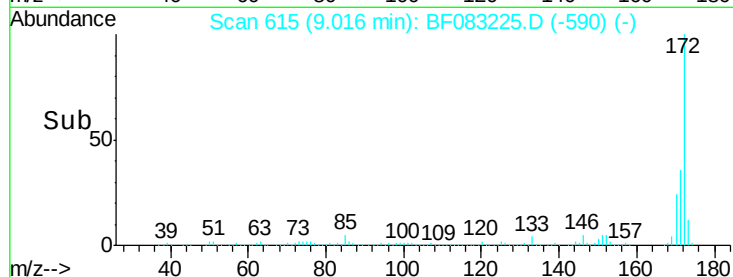
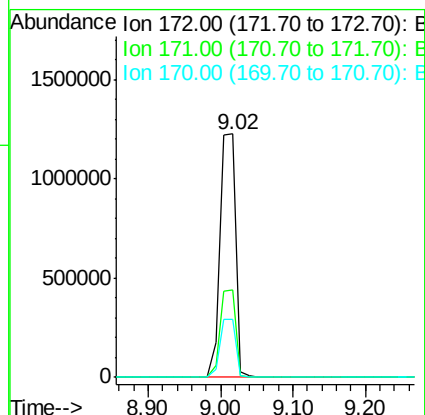
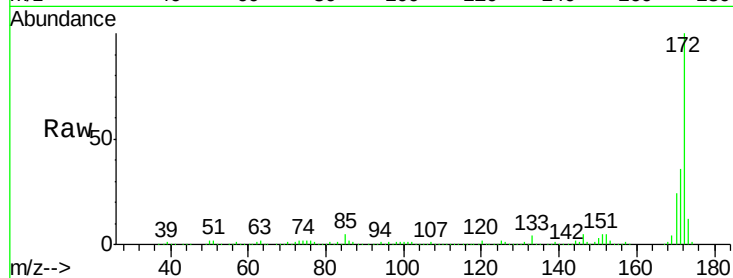




#44
 2-Fluorobiphenyl
 Concen: 71.52 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

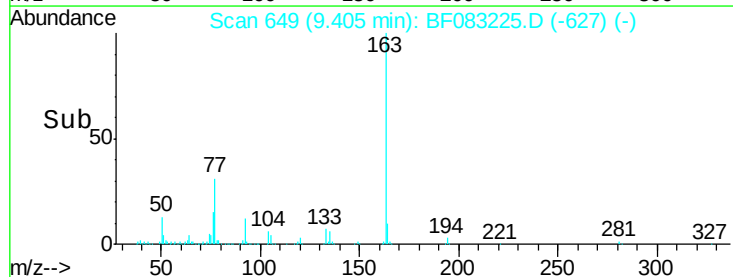
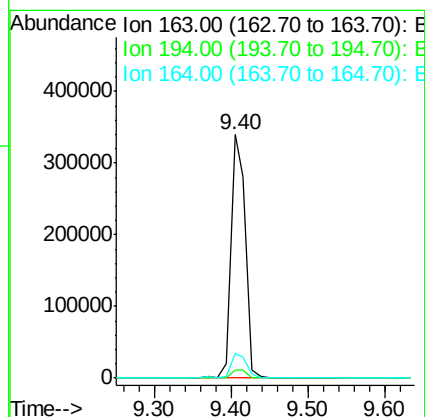
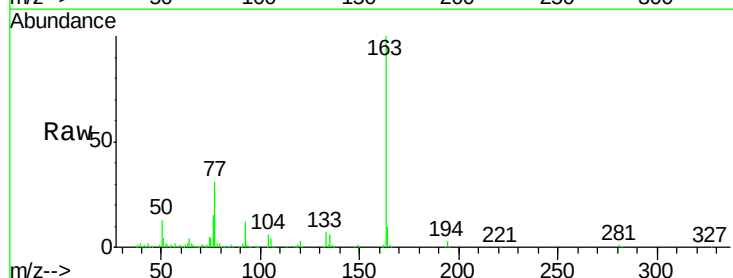
Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

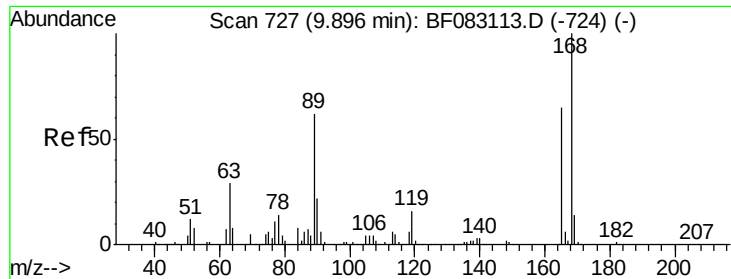
Tgt Ion:172 Resp: 1838082
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.5 44.3
 170 23.9 19.9 29.9



#49
 Dimethylphthalate
 Concen: 16.43 ng
 RT: 9.40 min Scan# 649
 Delta R.T. -0.05 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Tgt Ion:163 Resp: 453321
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 10.3 8.6 12.8

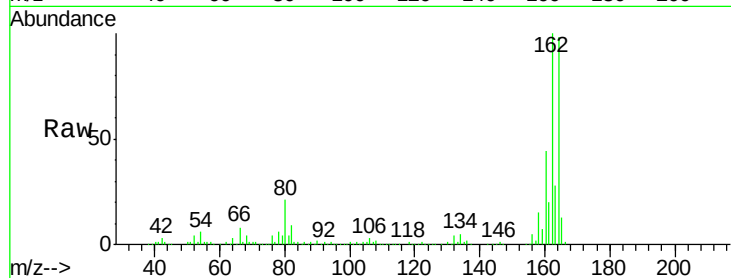




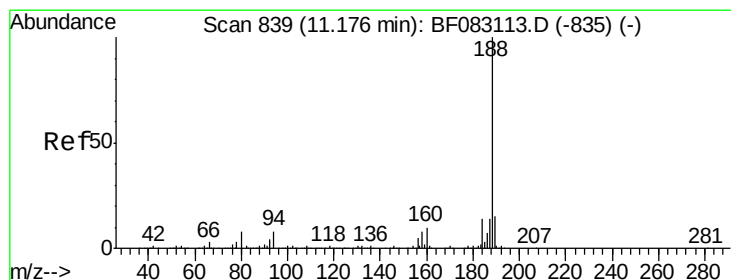
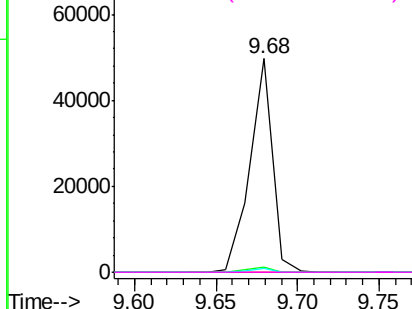
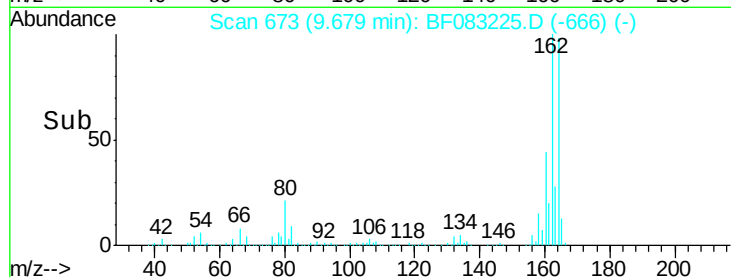
#56
 2,4-Dinitrotoluene
 Concen: 6.09 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.22 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Tgt Ion:165 Resp: 47746
 Ion Ratio Lower Upper
 165 100
 63 2.3 54.5 81.7#
 89 1.8 77.3 115.9#
 182 0.0 1.8 2.6#

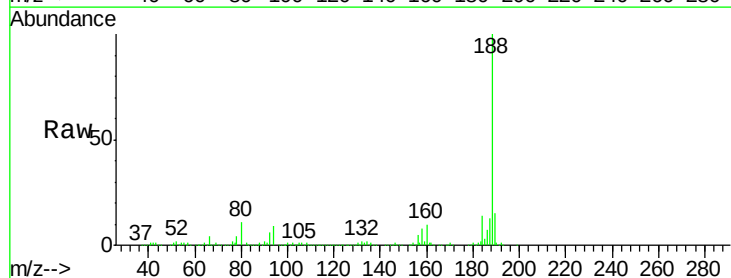


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

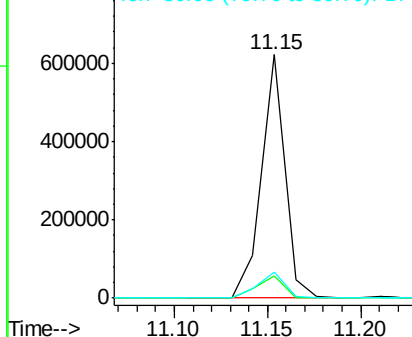
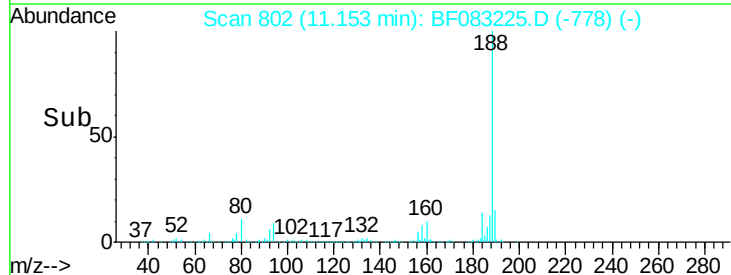


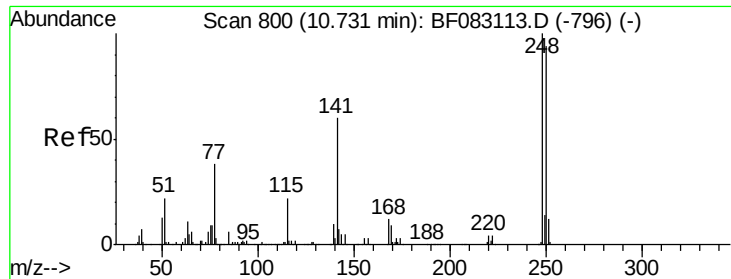
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.15 min Scan# 802
 Delta R.T. -0.02 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Tgt Ion:188 Resp: 538089
 Ion Ratio Lower Upper
 188 100
 94 9.3 6.0 9.0#
 80 10.6 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

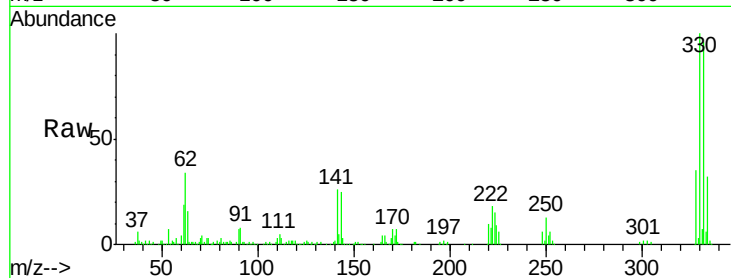




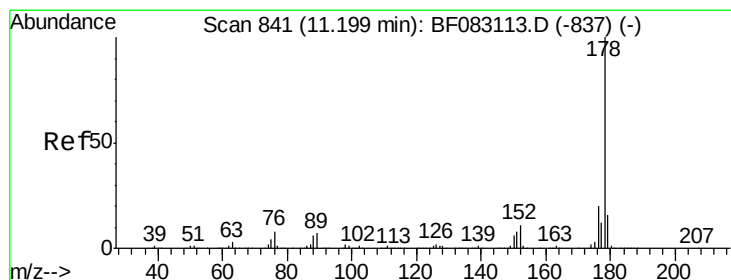
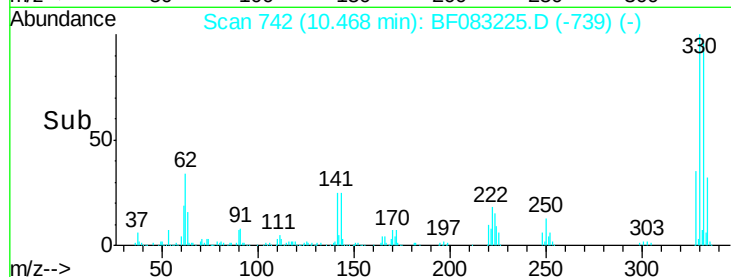
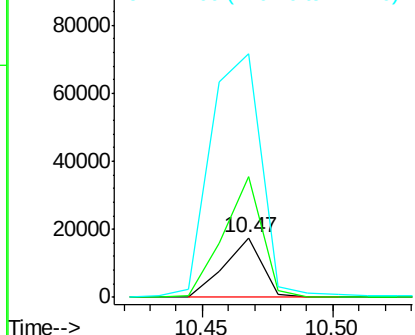
#66
 4-Bromophenyl-phenylether
 Concen: 2.98 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.26 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

Tgt Ion:248 Resp: 17809
 Ion Ratio Lower Upper
 248 100
 250 204.3 75.4 113.2#
 141 410.2 48.1 72.1#

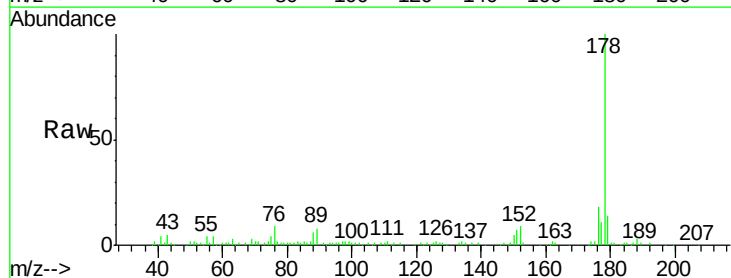


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

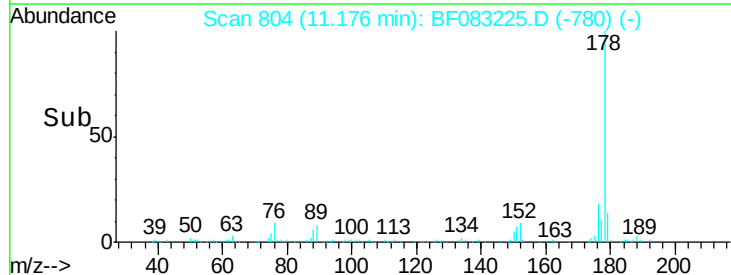
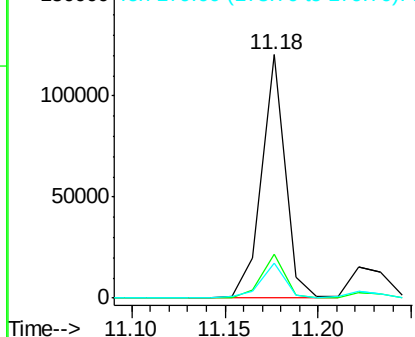


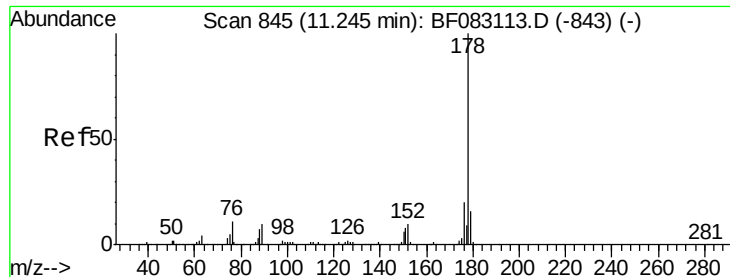
#70
 Phenanthrene
 Concen: 3.38 ng
 RT: 11.18 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Tgt Ion:178 Resp: 104783
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.2 24.2
 179 14.3 12.8 19.2



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

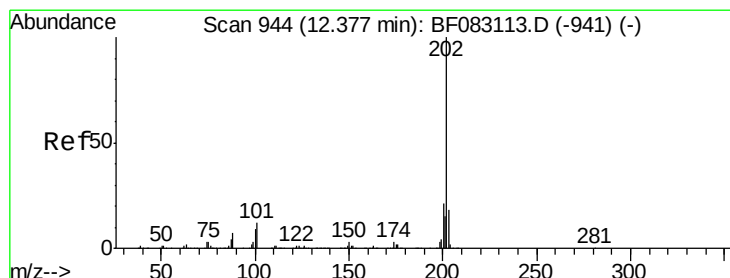
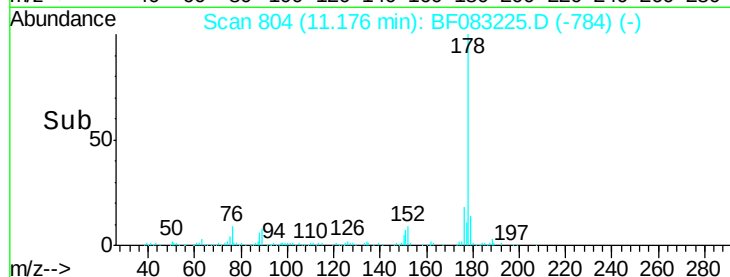
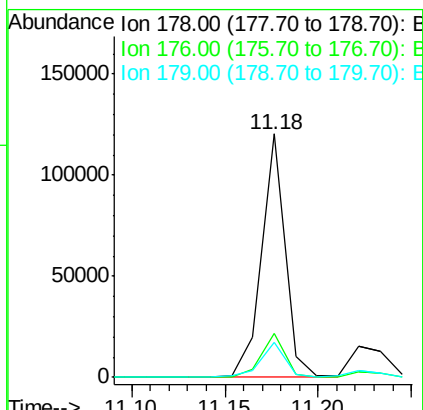
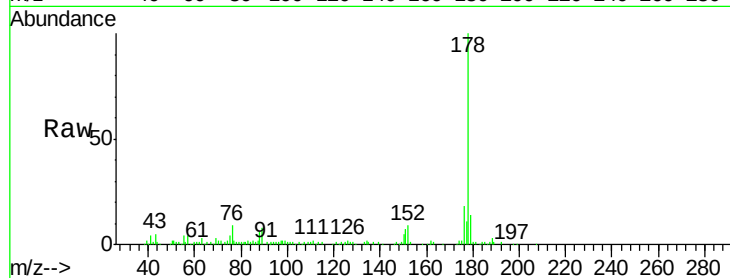




#71
 Anthracene
 Concen: 3.31 ng
 RT: 11.18 min Scan# 804
 Delta R.T. -0.07 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

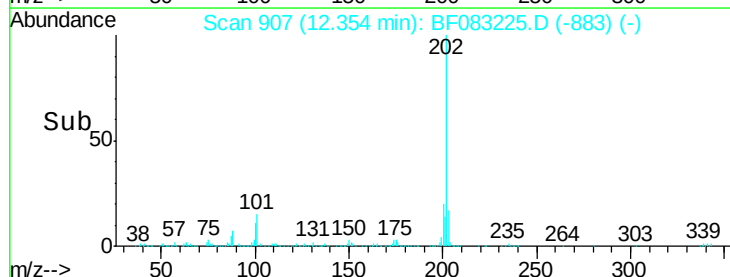
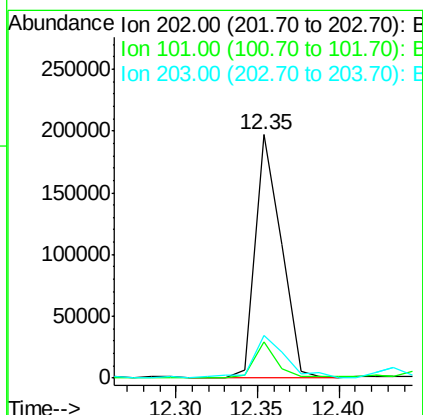
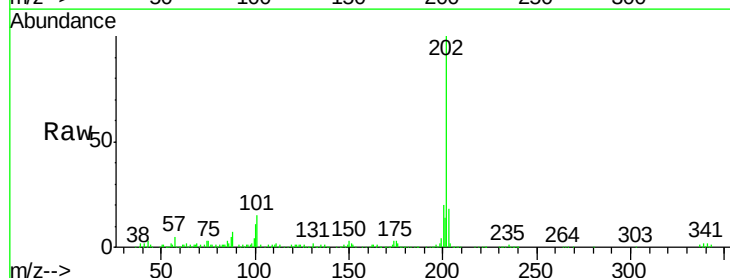
Instrument :
 BNA_F
 ClientSampleId :
 A19-COMP

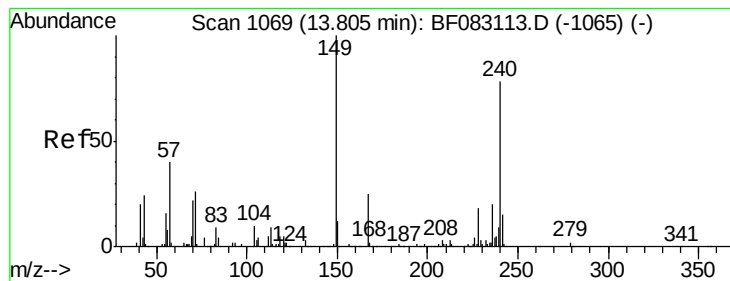
Tgt Ion:178 Resp: 104783
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.6 23.4
 179 14.3 13.2 19.8



#74
 Fluoranthene
 Concen: 6.85 ng
 RT: 12.35 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF083225.D
 Acq: 24 Nov 2015 1:32

Tgt Ion:202 Resp: 217490
 Ion Ratio Lower Upper
 202 100
 101 14.7 0.0 32.3
 203 17.6 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

Instrument :

BNA_F

ClientSampleId :

A19-COMP

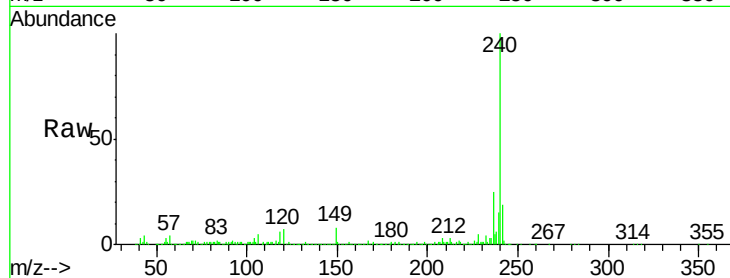
Tgt Ion:240 Resp: 438883

Ion Ratio Lower Upper

240 100

120 6.5 5.4 8.2

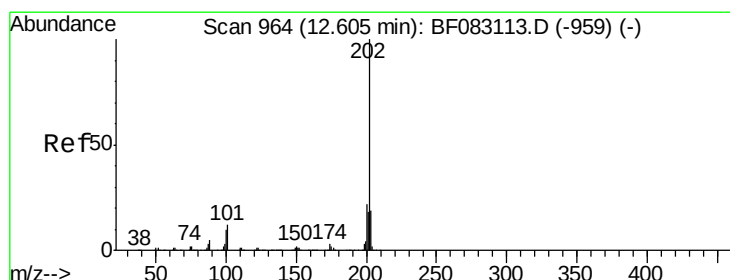
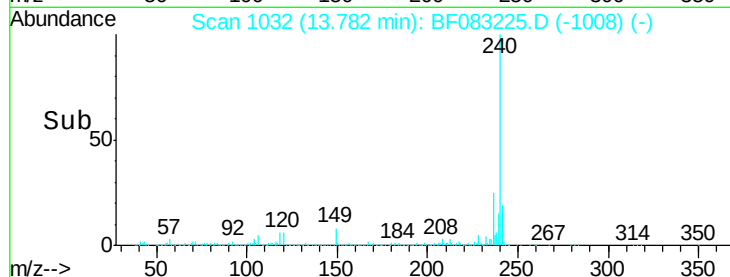
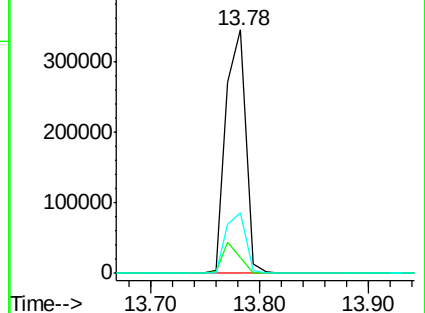
236 25.1 20.6 31.0



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



#77

Pyrene

Concen: 6.48 ng

RT: 12.58 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

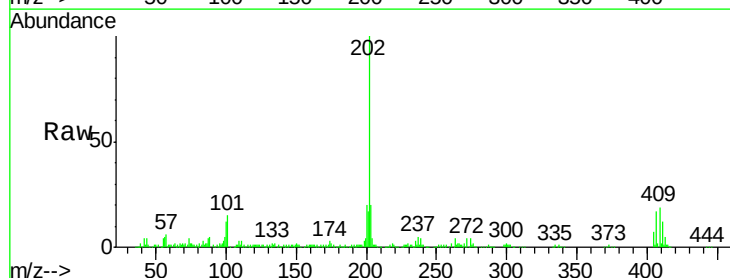
Tgt Ion:202 Resp: 194383

Ion Ratio Lower Upper

202 100

200 20.3 17.8 26.6

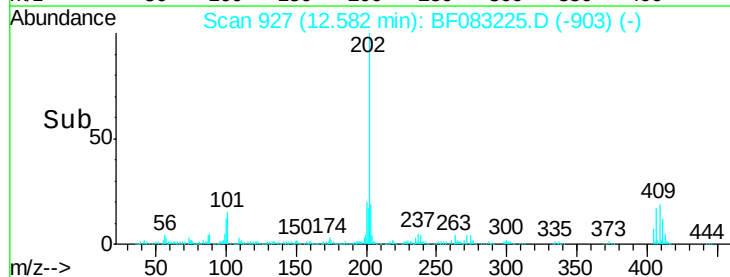
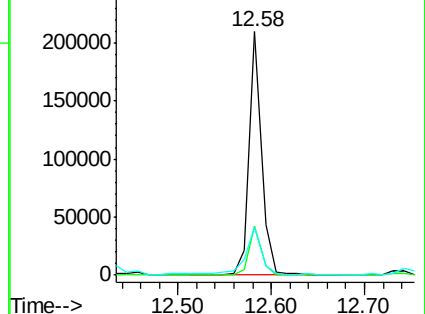
203 19.5 15.0 22.4

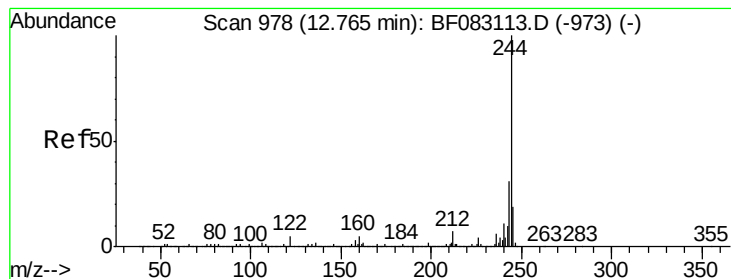


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.83 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

Instrument :

BNA_F

ClientSampleId :

A19-COMP

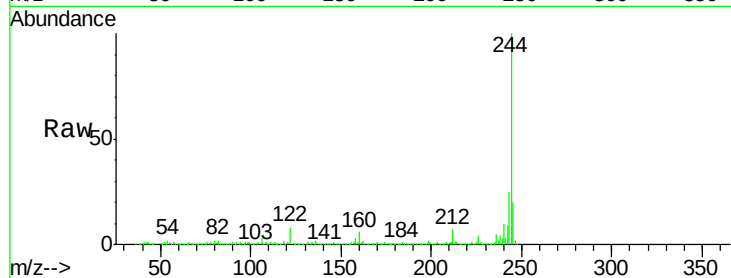
Tgt Ion:244 Resp: 1245631

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

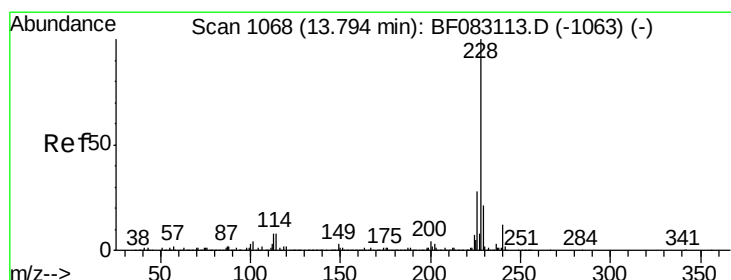
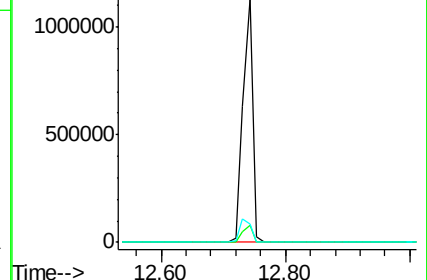
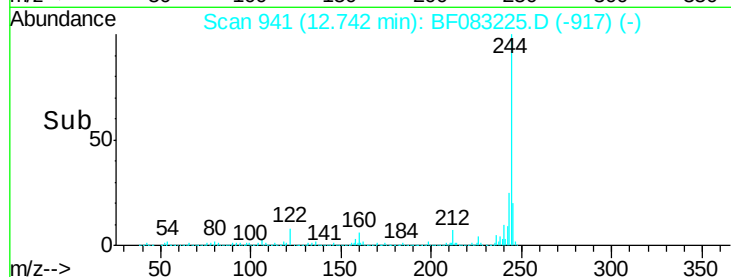
122 7.6 4.3 6.5#



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



#80

Benzo(a)anthracene

Concen: 3.40 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083225.D

Acq: 24 Nov 2015 1:32

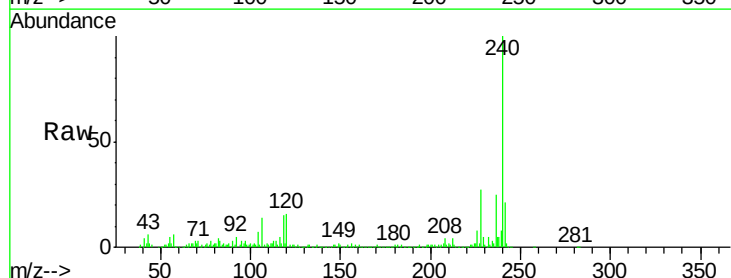
Tgt Ion:228 Resp: 92379

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

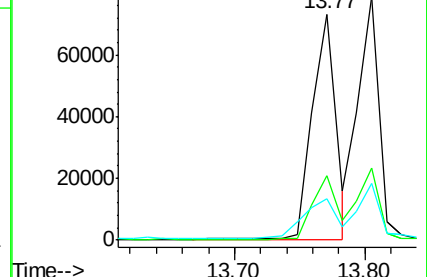
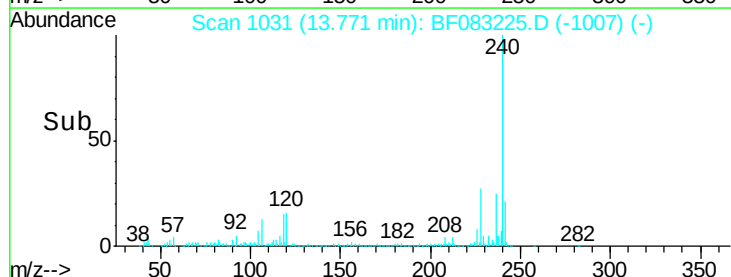
229 18.1 16.6 24.8

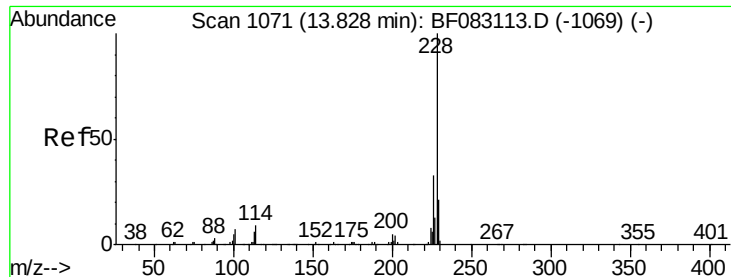


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

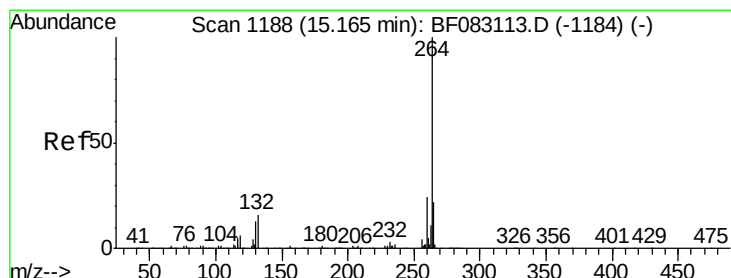
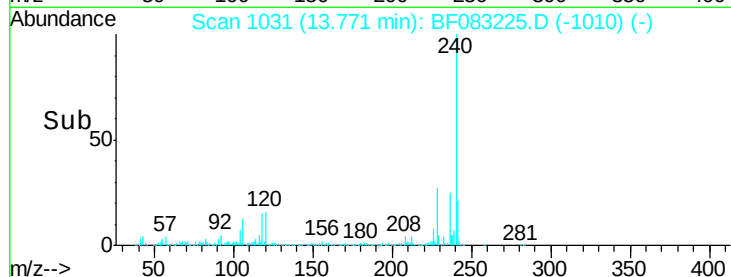
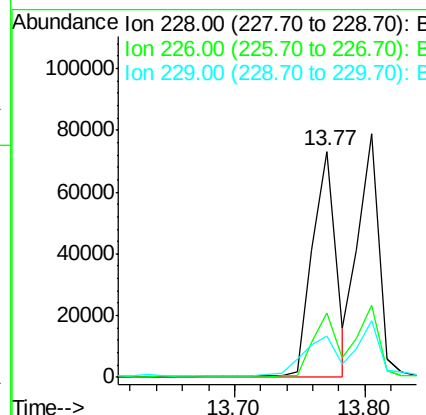
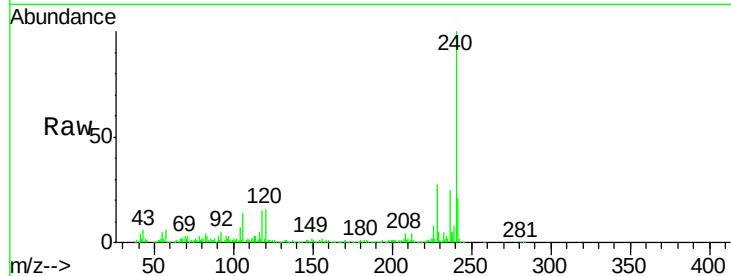




#82
Chrysene
Concen: 3.67 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

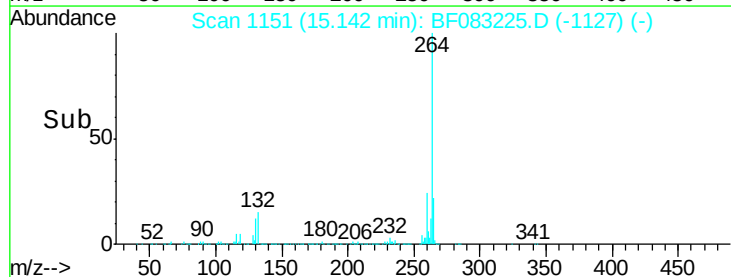
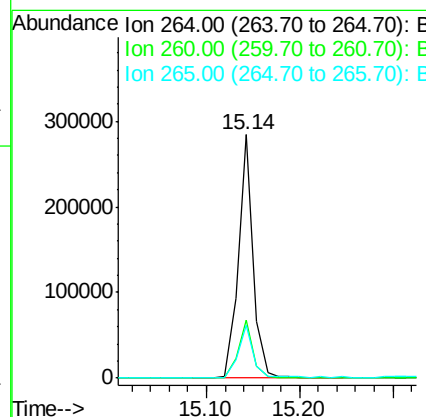
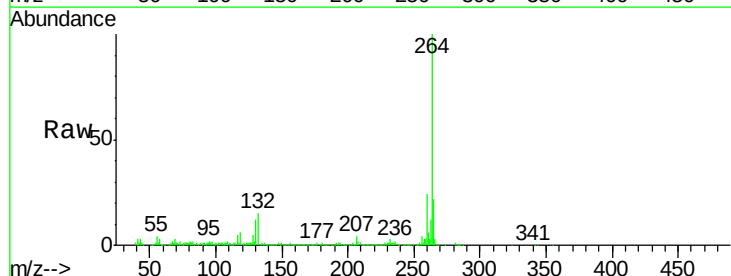
Instrument :
BNA_F
ClientSampleId :
A19-COMP

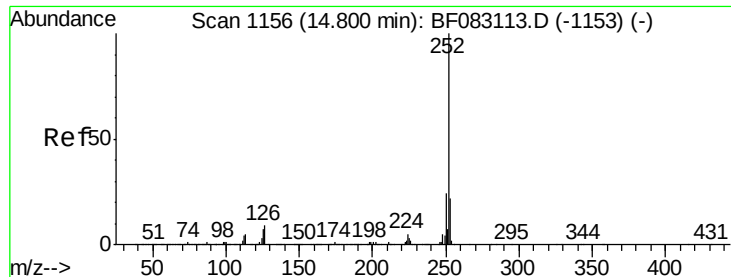
Tgt Ion:228 Resp: 92379
Ion Ratio Lower Upper
228 100
226 28.3 25.5 38.3
229 18.1 16.6 25.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

Tgt Ion:264 Resp: 315354
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 21.8 18.2 27.4

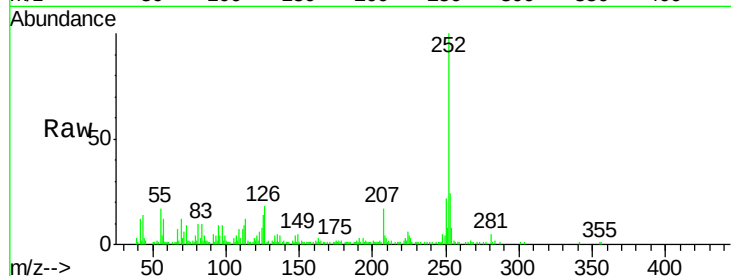




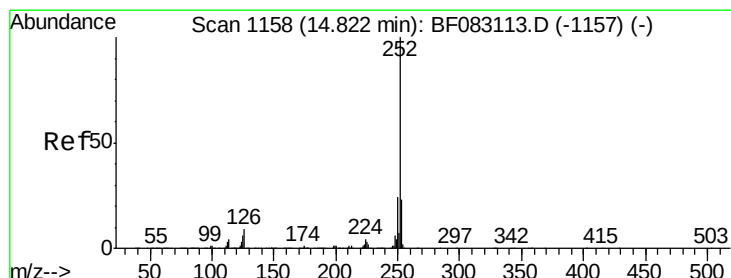
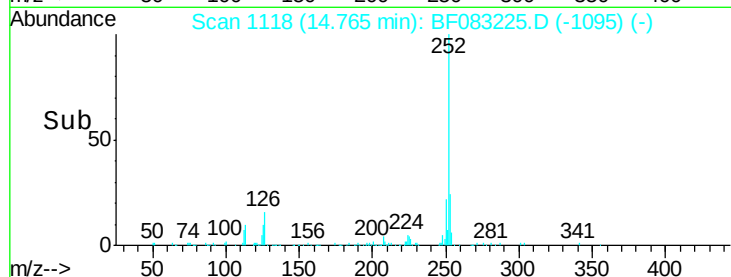
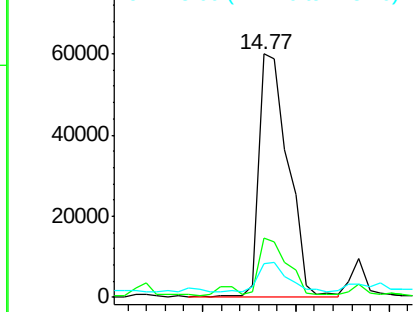
#87
Benzo(b)fluoranthene
Concen: 6.07 ng
RT: 14.77 min Scan# 1118
Delta R.T. -0.03 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

Instrument :
BNA_F
ClientSampleId :
A19-COMP

Tgt Ion: 252 Resp: 130878
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 14.0 5.6 8.4#

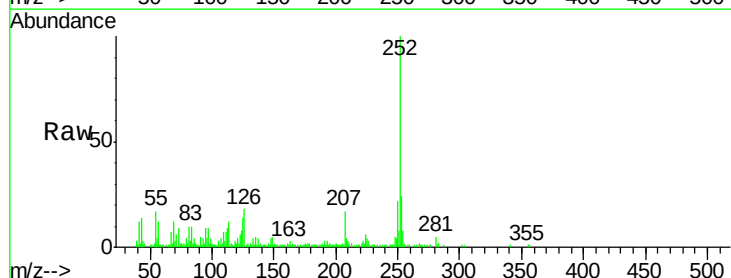


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

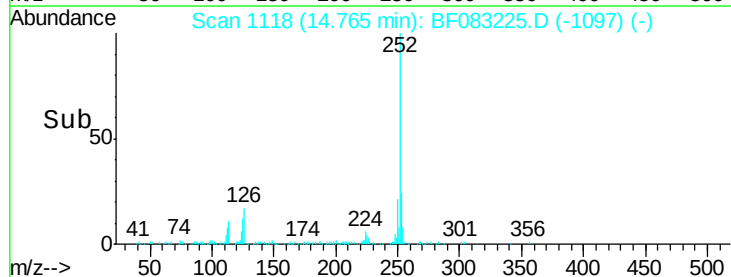
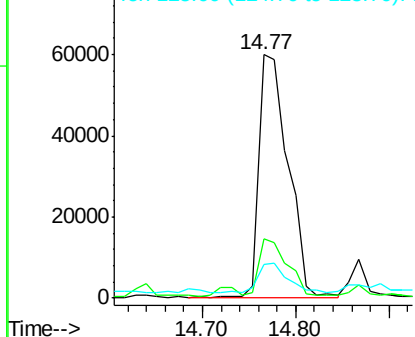


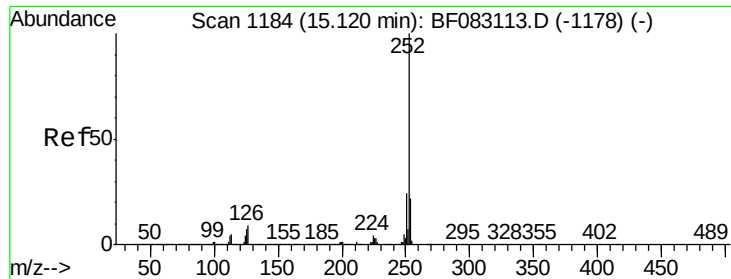
#88
Benzo(k)fluoranthene
Concen: 8.15 ng
RT: 14.77 min Scan# 1118
Delta R.T. -0.06 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

Tgt Ion: 252 Resp: 130878
Ion Ratio Lower Upper
252 100
253 24.2 18.2 27.2
125 14.0 6.8 10.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

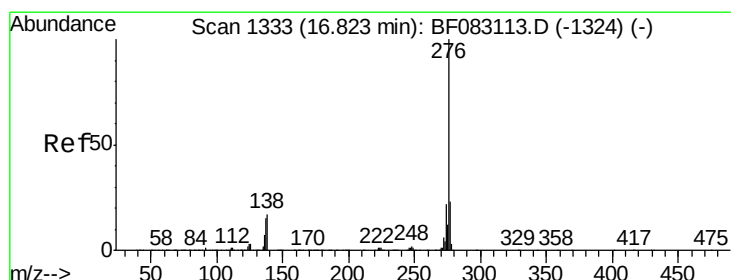
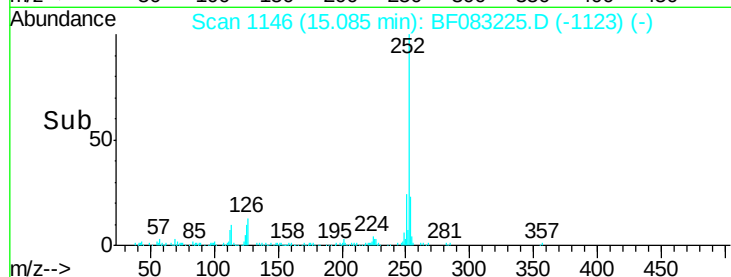
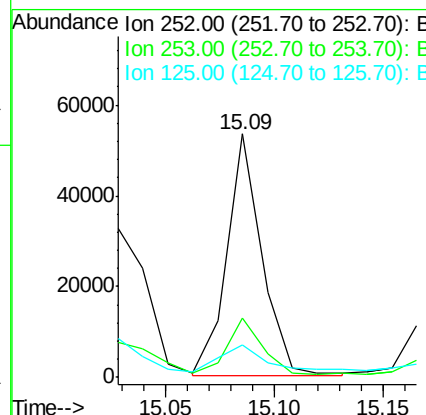
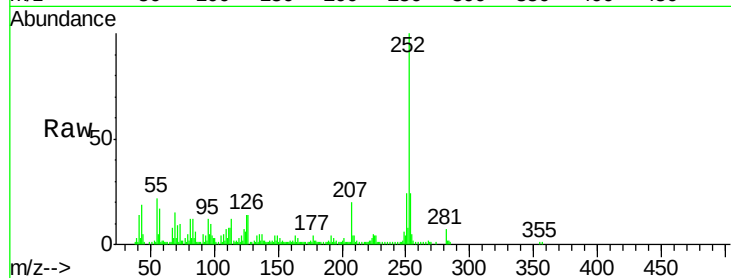




#89
Benzo(a)pyrene
Concen: 3.33 ng
RT: 15.09 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

Instrument :
BNA_F
ClientSampleId :
A19-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	13.6	5.4	8.0#



#91
Benzo(g,h,i)perylene
Concen: 2.19 ng
RT: 16.78 min Scan# 1294
Delta R.T. -0.05 min
Lab File: BF083225.D
Acq: 24 Nov 2015 1:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.2	18.7	28.1
138	25.7	13.9	20.9#

