

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084898.D
 Acq On : 6 Feb 2016 9:00
 Operator : SJ/IZ
 Sample : H1329-07
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)

Quant Time: Feb 07 23:57:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

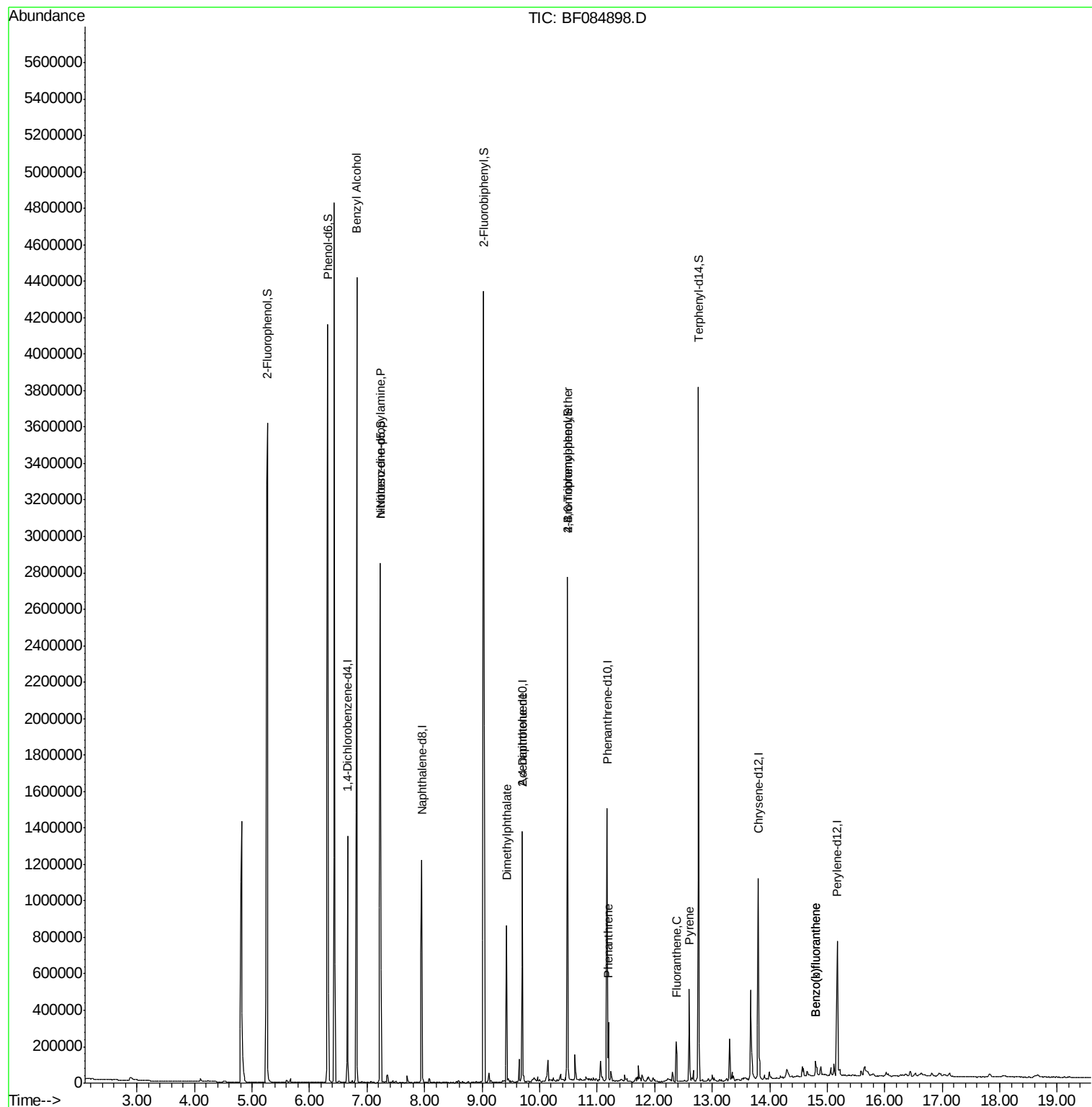
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	176892	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	680297	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	303726	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	513055	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	354059	20.00	ng	-0.03
86) Perylene-d12	15.17	264	326720	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1474151	129.80	ng	-0.01
7) Phenol-d6	6.32	99	1562925	111.01	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1033048	85.54	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	387311	122.25	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1647653	95.18	ng	-0.03
78) Terphenyl-d14	12.76	244	1142607	73.13	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	6.82	79	21932	2.26	ng	# 47
19) n-Nitroso-di-n-propylamine	7.23	70	138743	15.72	ng	# 71
49) Dimethylphthalate	9.42	163	306792	13.26	ng	# 91
56) 2,4-Dinitrotoluene	9.70	165	39685	6.16	ng	# 21
66) 4-Bromophenyl-phenylether	10.49	248	25792	4.55	ng	# 1
70) Phenanthrene	11.20	178	112830	3.97	ng	98
74) Fluoranthene	12.37	202	117160	4.07	ng	96
77) Pyrene	12.60	202	99607	3.67	ng	99
87) Benzo(b)fluoranthene	14.80	252	51810	2.36	ng	# 97
88) Benzo(k)fluoranthene	14.80	252	51810	2.85	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

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BNA_F

ClientSampleId :

S4-B009(5-7)

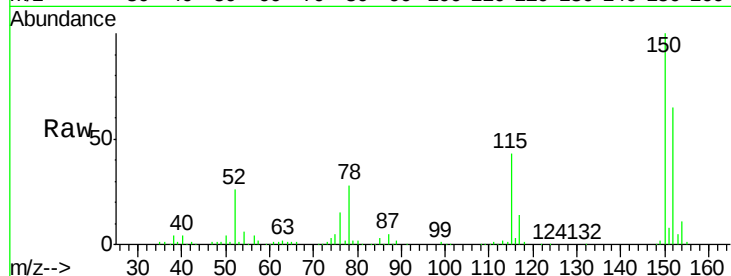
Tgt Ion:152 Resp: 176892

Ion Ratio Lower Upper

152 100

150 153.0 123.0 184.4

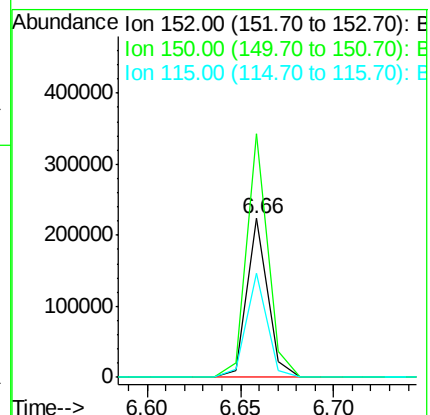
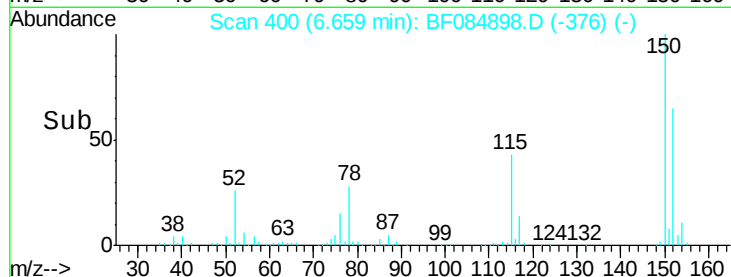
115 65.7 51.4 77.2



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



#5

2-Fluorophenol

Concen: 129.80 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

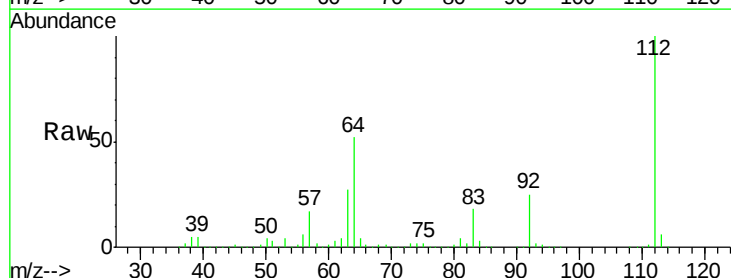
Tgt Ion:112 Resp: 1474151

Ion Ratio Lower Upper

112 100

64 52.2 36.6 55.0

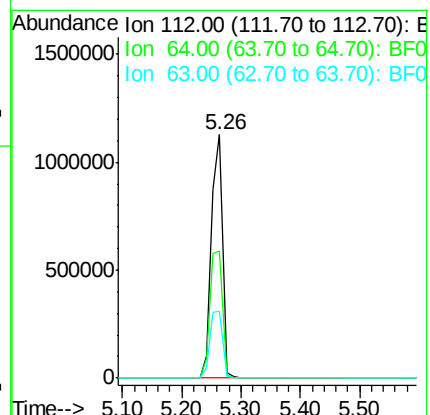
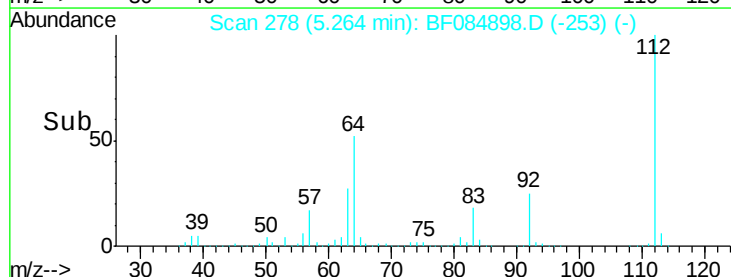
63 27.4 19.4 29.0



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





#7

Phenol-d6

Concen: 111.01 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)

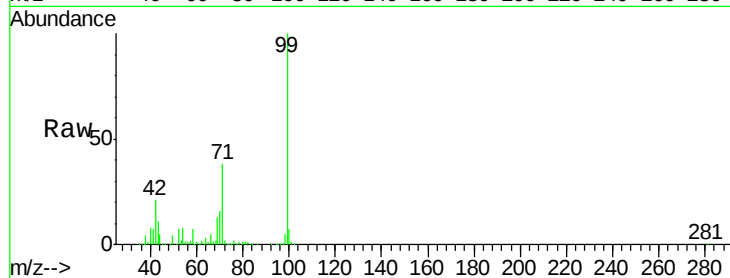
Tgt Ion: 99 Resp: 1562925

Ion Ratio Lower Upper

99 100

42 20.7 12.8 19.2#

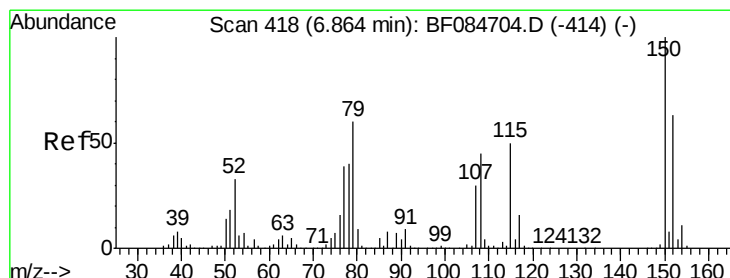
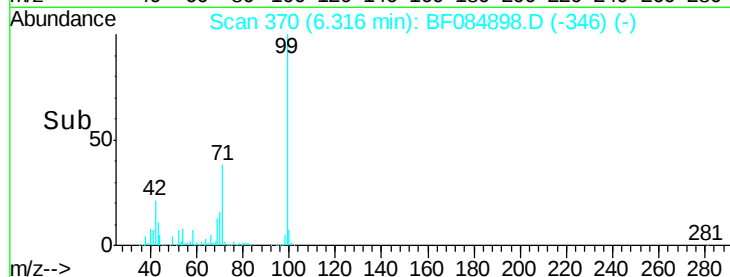
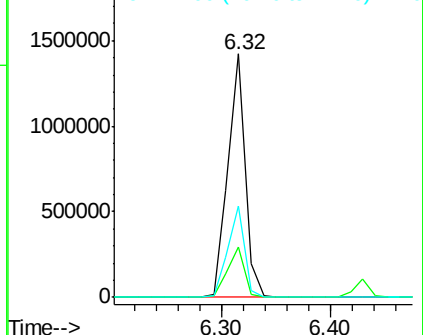
71 37.7 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.26 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

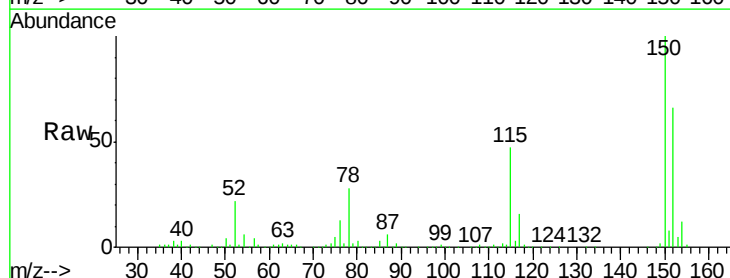
Tgt Ion: 79 Resp: 21932

Ion Ratio Lower Upper

79 100

108 30.8 69.0 103.4#

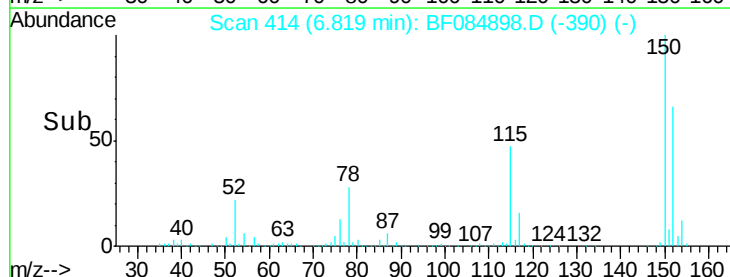
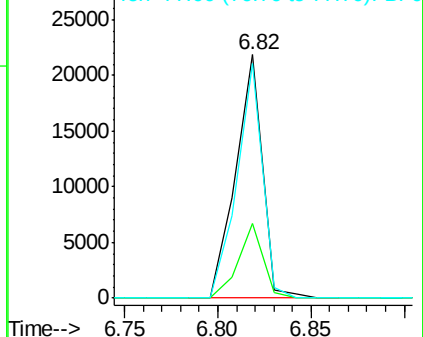
77 96.2 50.0 75.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

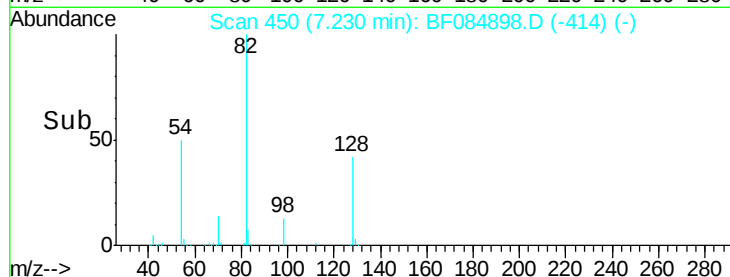
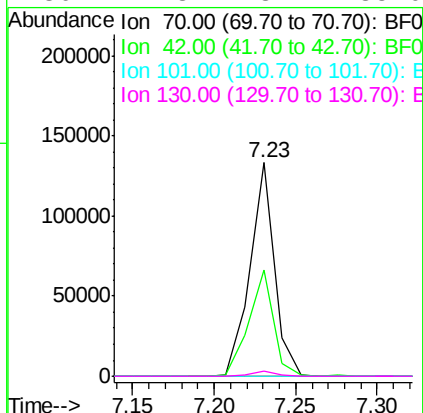
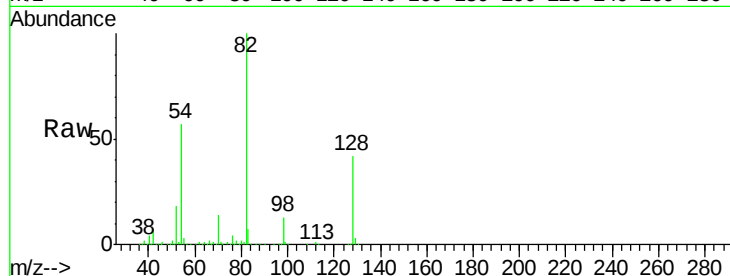




#19
n-Nitroso-di-n-propylamine
Concen: 15.72 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.11 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

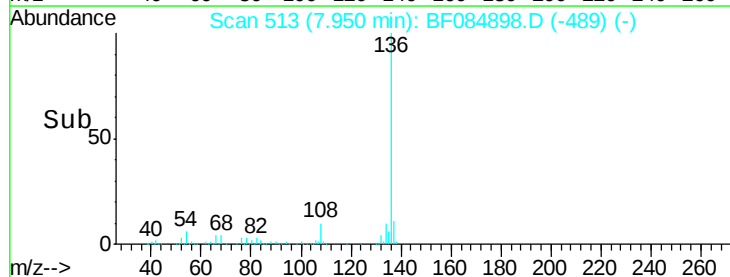
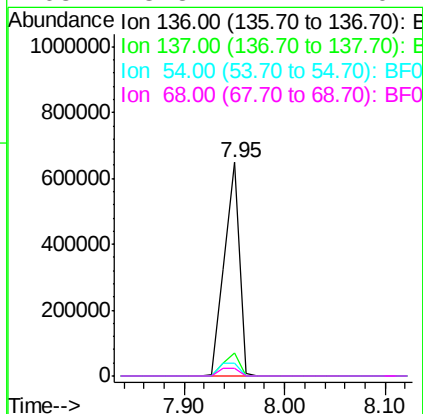
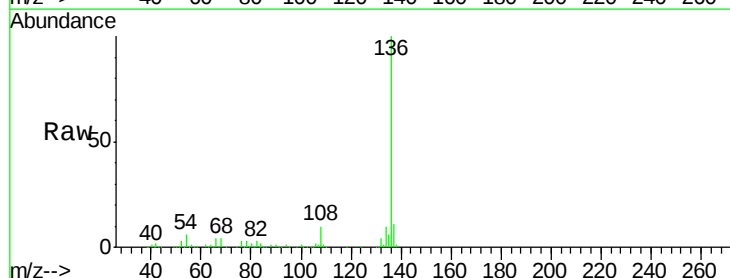
Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)

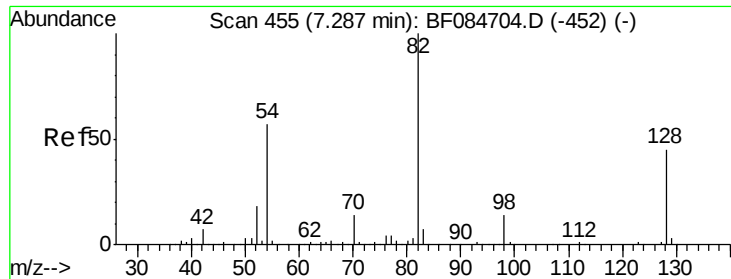
Tgt Ion:	70	Resp:	138743
Ion	Ratio	Lower	Upper
70	100		
42	49.8	33.3	49.9
101	0.0	9.3	13.9#
130	2.3	23.4	35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

Tgt Ion:	136	Resp:	680297
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	6.1	5.8	8.8
68	3.8	4.2	6.2#

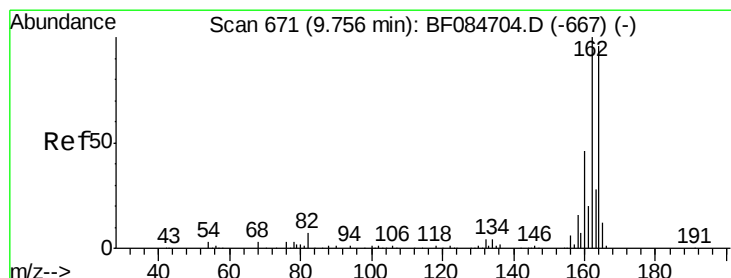
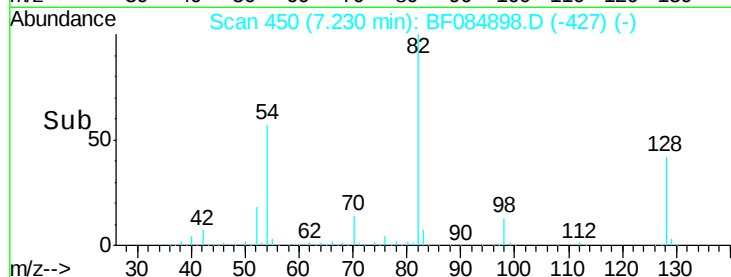
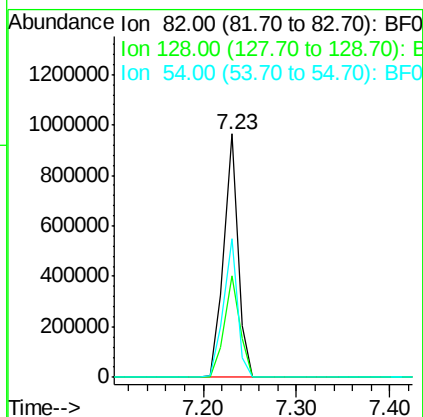
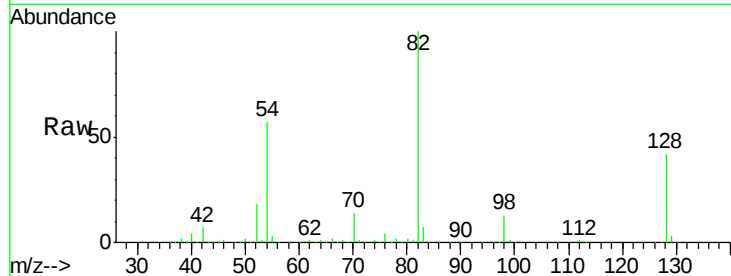




#23
 Nitrobenzene-d5
 Concen: 85.54 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084898.D
 Acq: 6 Feb 2016 9:00

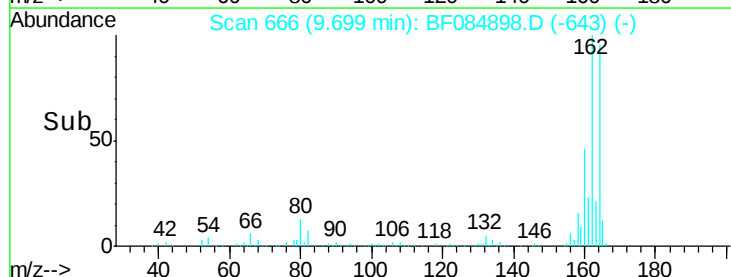
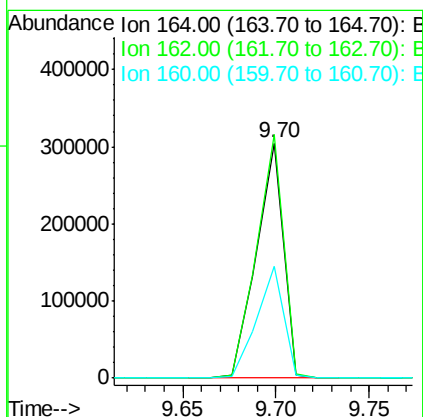
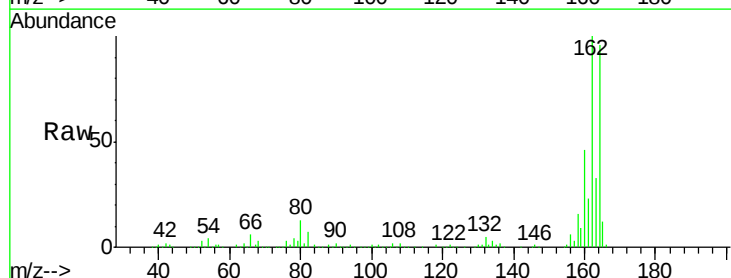
Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)

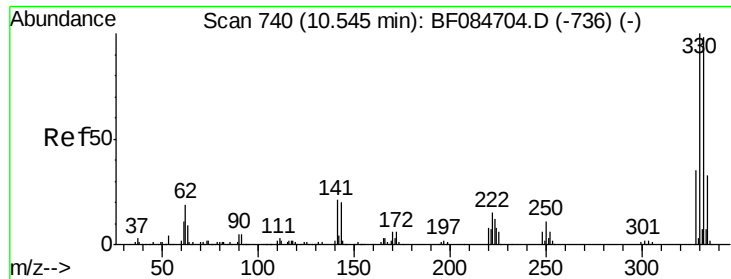
Tgt Ion: 82 Resp: 1033048
 Ion Ratio Lower Upper
 82 100
 128 41.9 34.6 51.8
 54 56.8 38.4 57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF084898.D
 Acq: 6 Feb 2016 9:00

Tgt Ion: 164 Resp: 303726
 Ion Ratio Lower Upper
 164 100
 162 103.7 85.1 127.7
 160 47.8 37.5 56.3

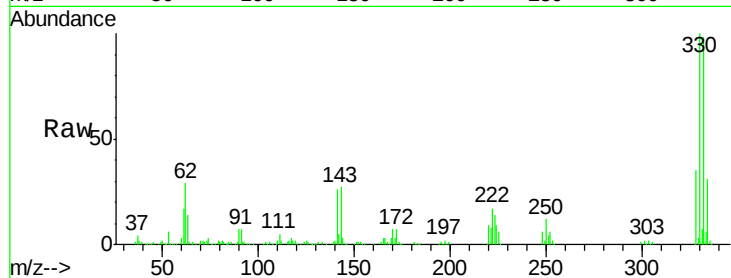




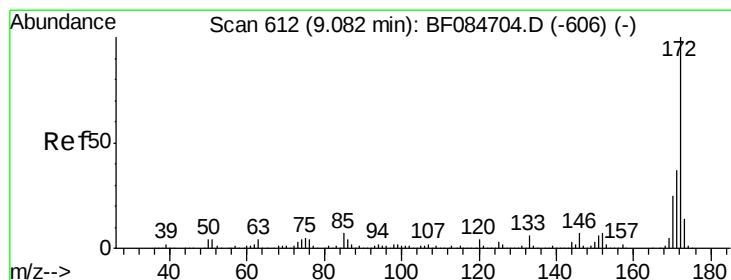
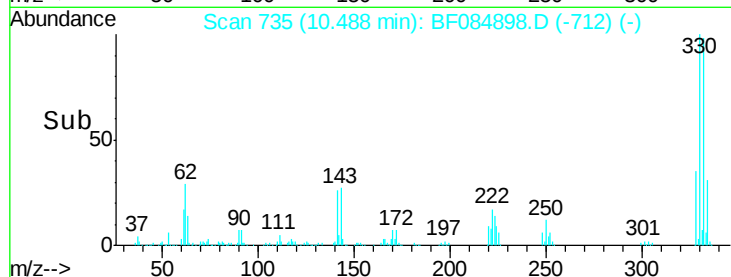
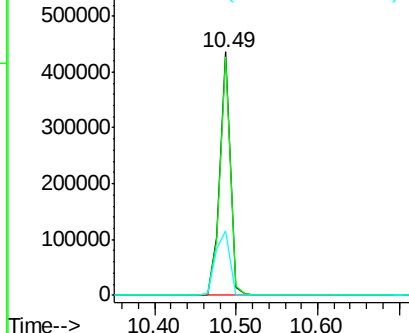
#41
 2,4,6-Tribromophenol
 Concen: 122.25 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.03 min
 Lab File: BF084898.D
 Acq: 6 Feb 2016 9:00

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)

Tgt Ion:330 Resp: 387311
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 114.8
 141 36.1 27.8 41.6

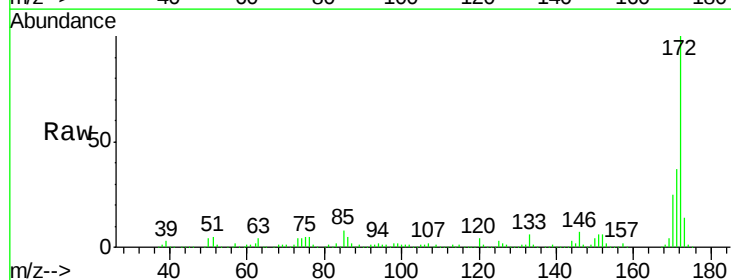


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

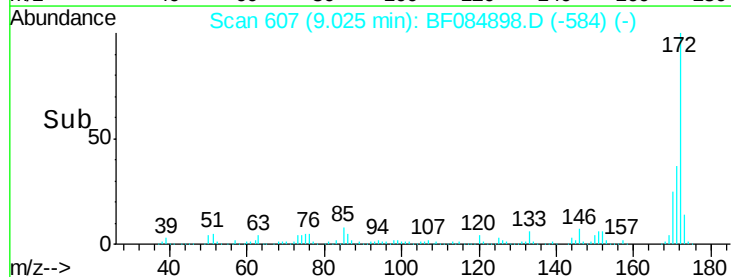
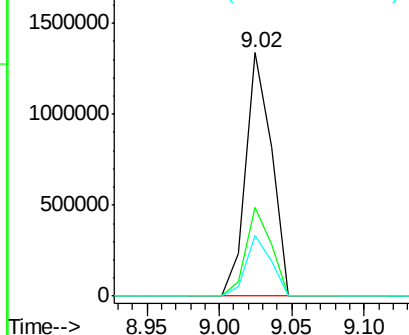


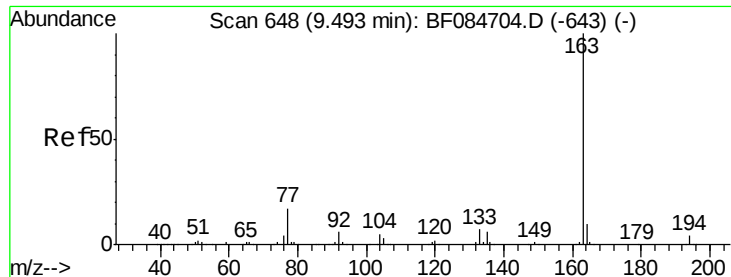
#44
 2-Fluorobiphenyl
 Concen: 95.18 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084898.D
 Acq: 6 Feb 2016 9:00

Tgt Ion:172 Resp: 1647653
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 24.7 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

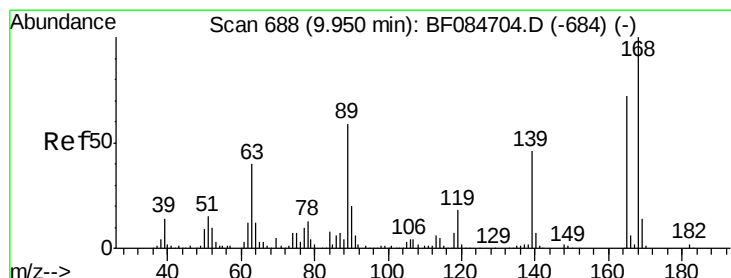
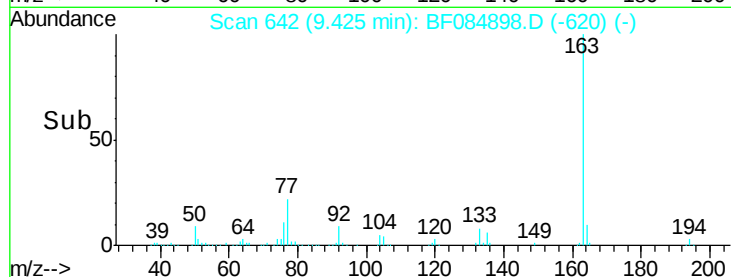
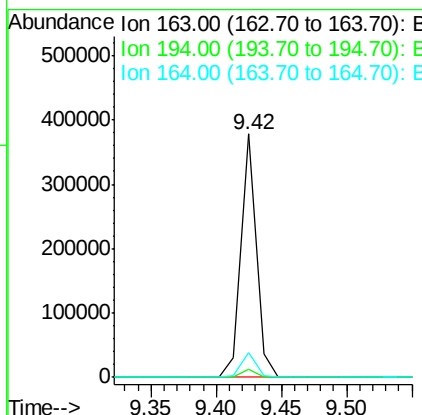
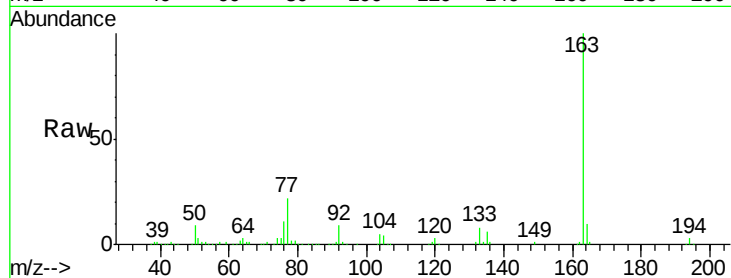




#49
Dimethylphthalate
Concen: 13.26 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

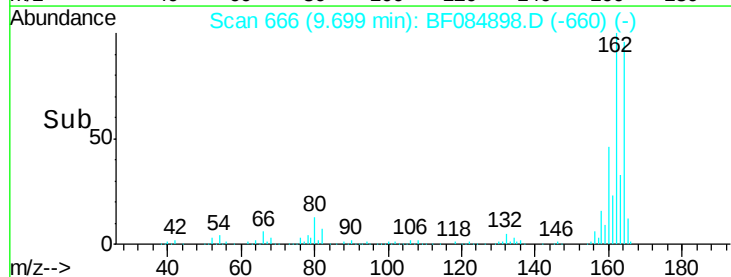
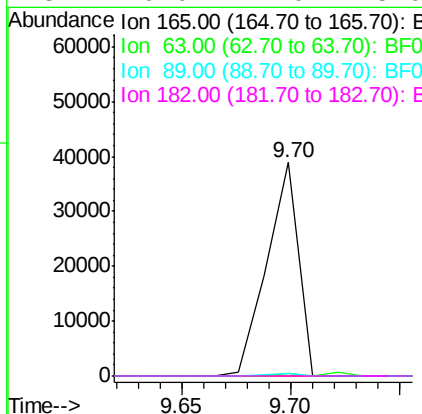
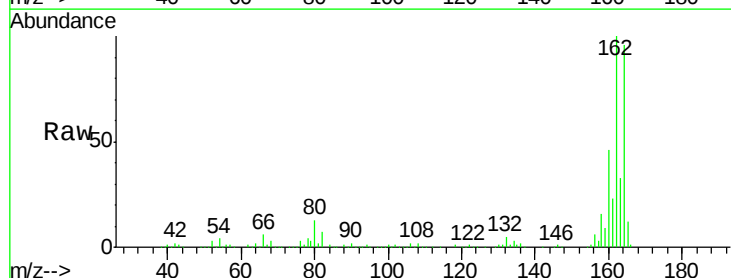
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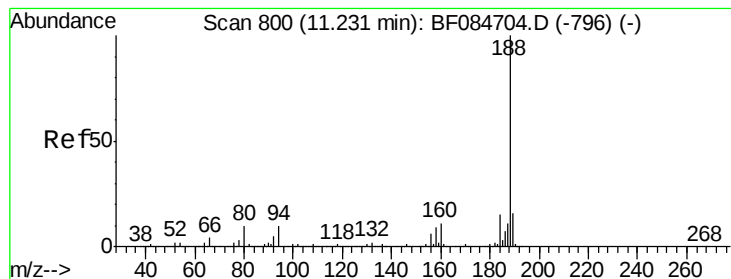
Tgt Ion:163 Resp: 306792
Ion Ratio Lower Upper
163 100
194 3.4 8.0 12.0#
164 10.0 8.0 12.0



#56
2,4-Dinitrotoluene
Concen: 6.16 ng
RT: 9.70 min Scan# 666
Delta R.T. -0.23 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

Tgt Ion:165 Resp: 39685
Ion Ratio Lower Upper
165 100
63 1.4 36.7 55.1#
89 1.5 61.9 92.9#
182 0.0 2.0 3.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)

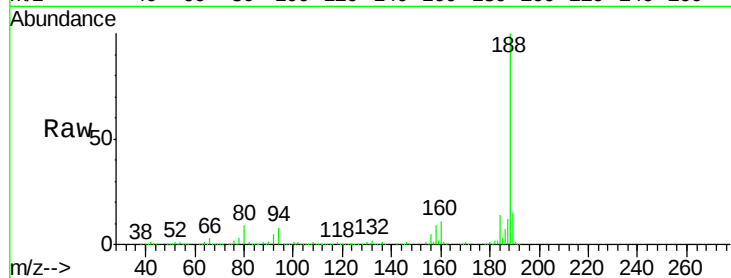
Tgt Ion:188 Resp: 513055

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.4#

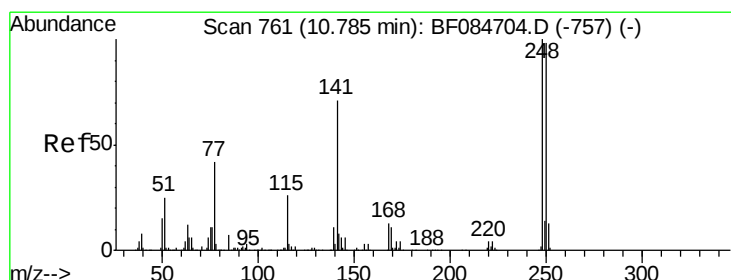
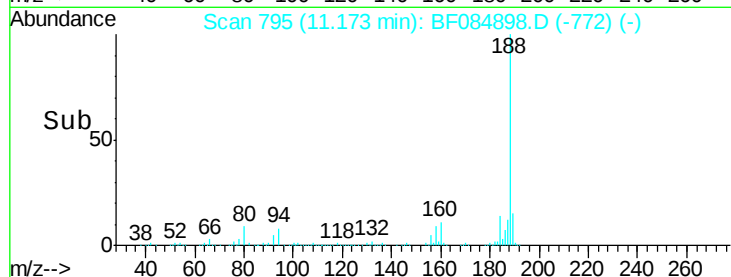
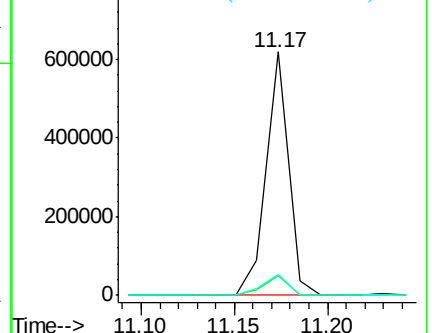
80 8.7 9.6 14.4#



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



#66

4-Bromophenyl-phenylether

Concen: 4.55 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.27 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

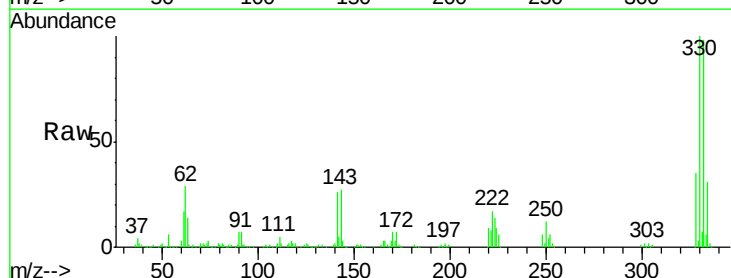
Tgt Ion:248 Resp: 25792

Ion Ratio Lower Upper

248 100

250 194.5 78.4 117.6#

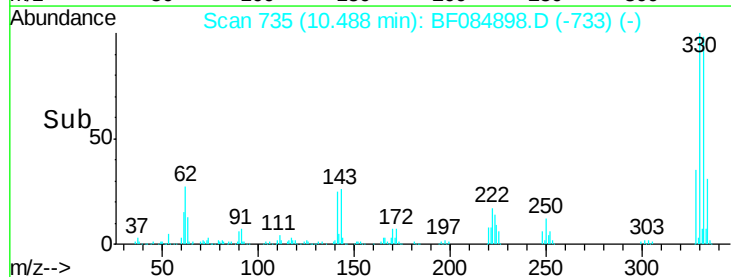
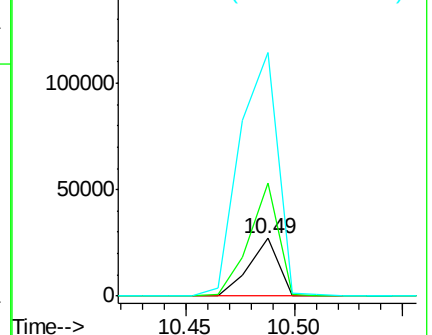
141 420.0 44.0 66.0#

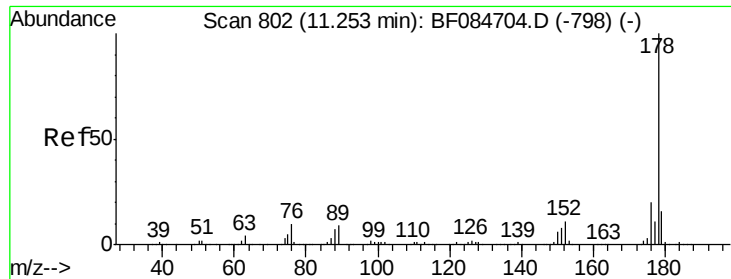


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

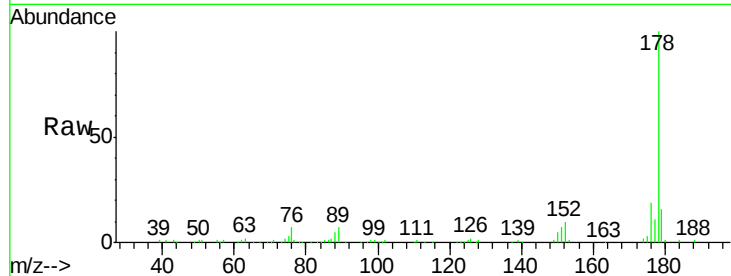




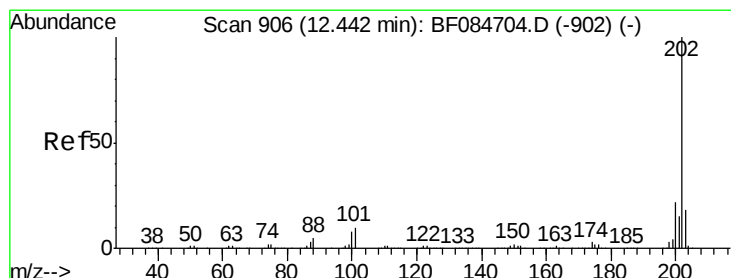
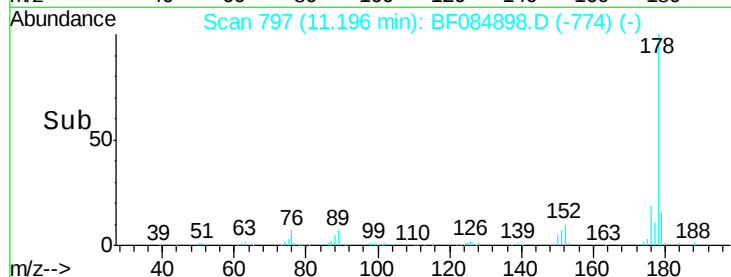
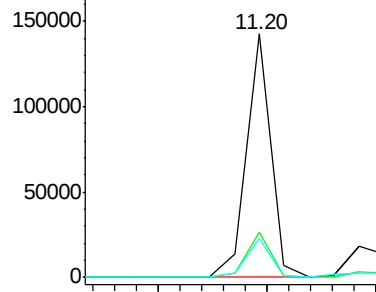
#70
Phenanthrene
Concen: 3.97 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)

Tgt Ion:178 Resp: 112830
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 16.1 12.0 18.0

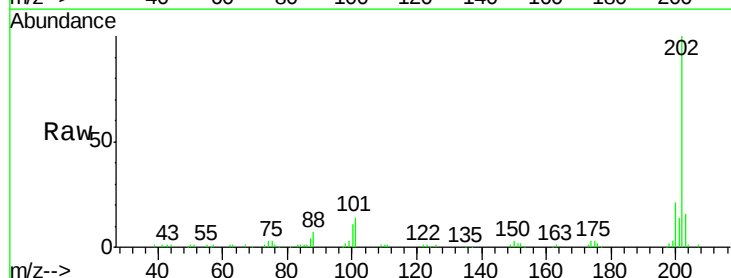


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

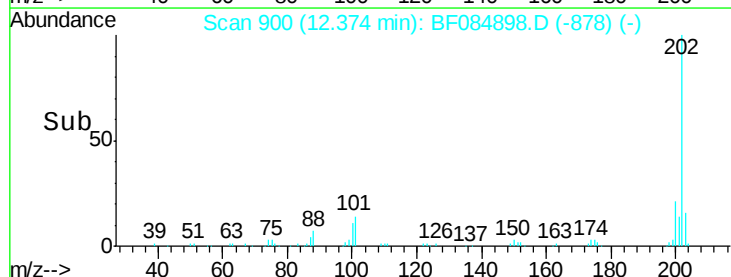
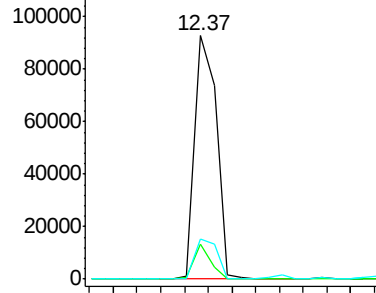


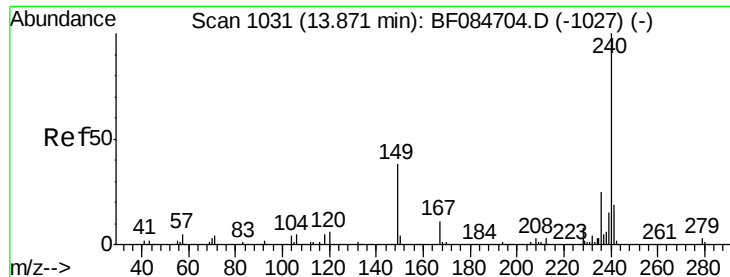
#74
Fluoranthene
Concen: 4.07 ng
RT: 12.37 min Scan# 900
Delta R.T. -0.05 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

Tgt Ion:202 Resp: 117160
Ion Ratio Lower Upper
202 100
101 14.4 0.0 32.8
203 16.3 0.0 37.9



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: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)

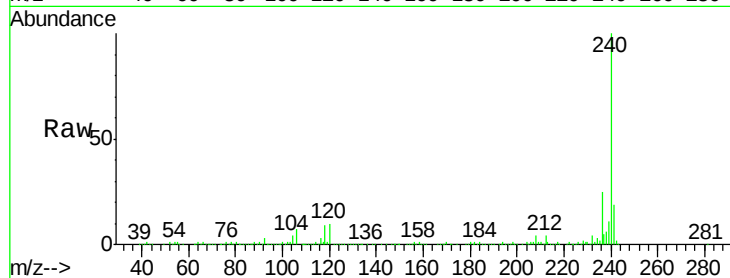
Tgt Ion:240 Resp: 354059

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

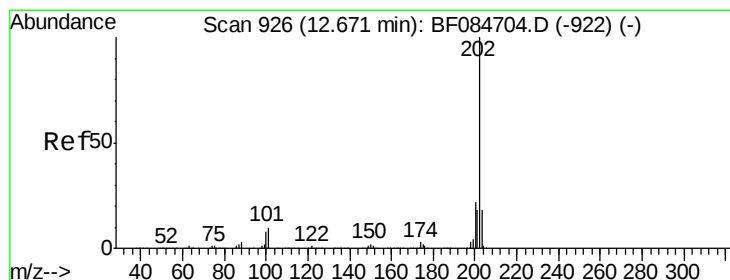
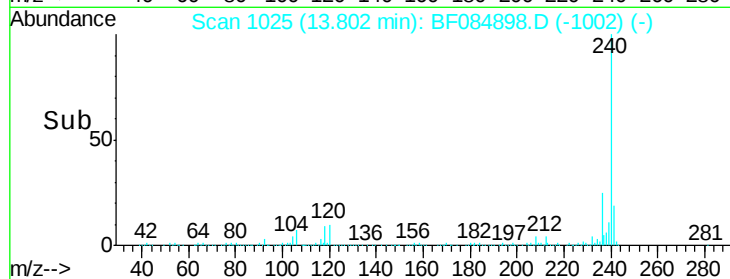
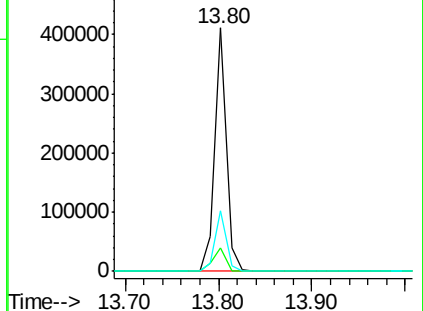
236 25.1 20.6 31.0



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: 3.67 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

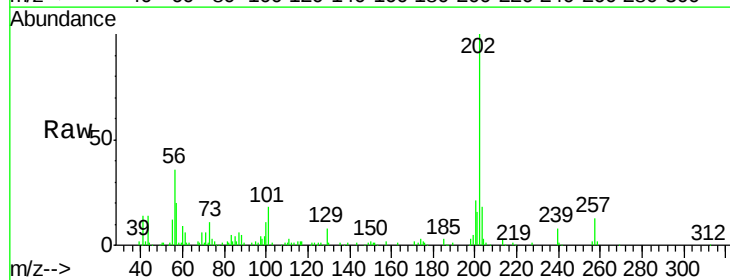
Tgt Ion:202 Resp: 99607

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

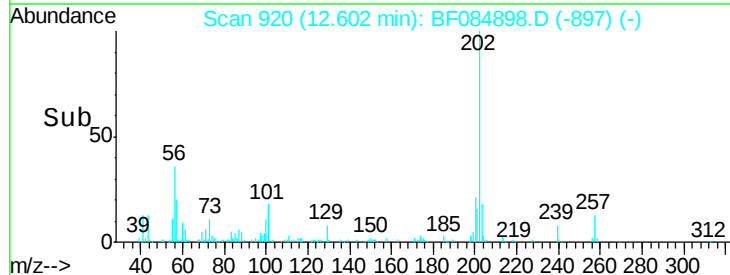
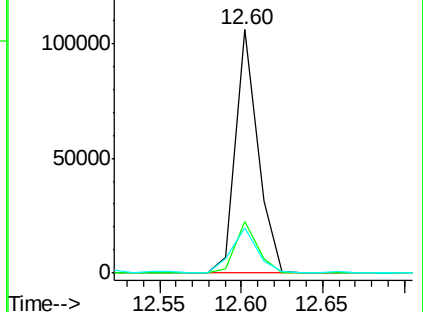
203 18.3 14.3 21.5

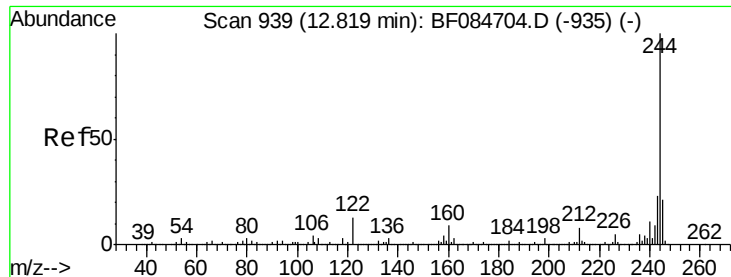


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.13 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)

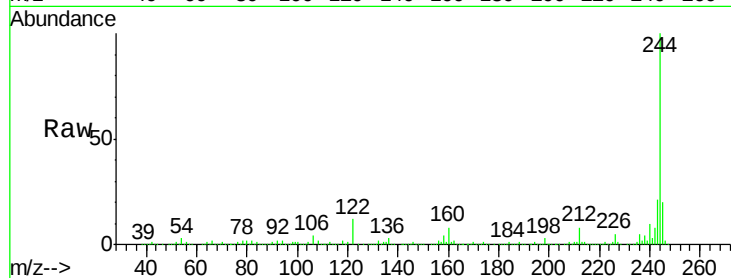
Tgt Ion:244 Resp: 1142607

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

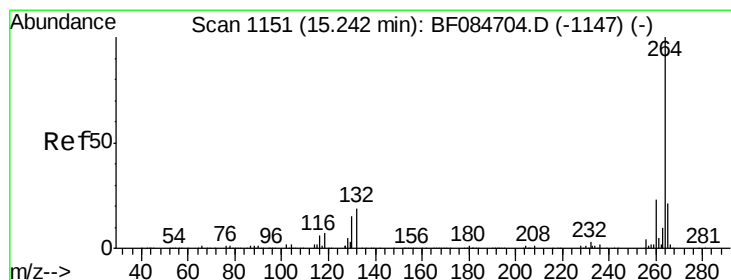
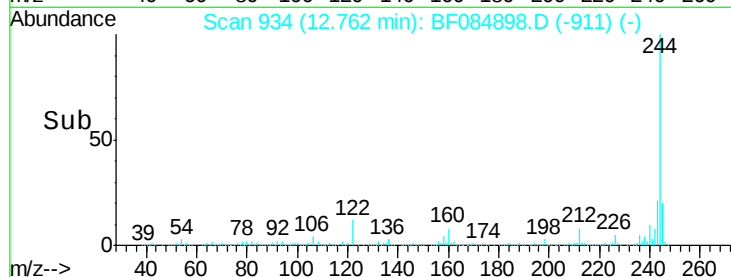
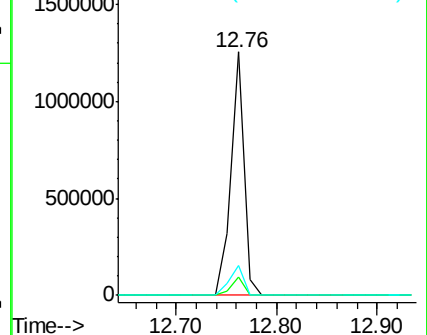
122 12.1 7.4 11.0#



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: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084898.D

Acq: 6 Feb 2016 9:00

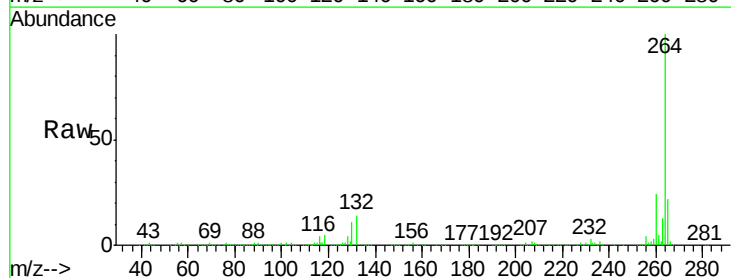
Tgt Ion:264 Resp: 326720

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

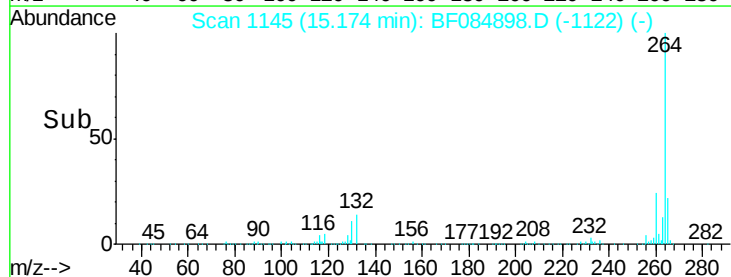
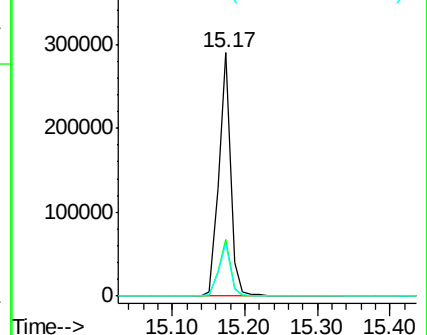
265 21.6 17.8 26.6

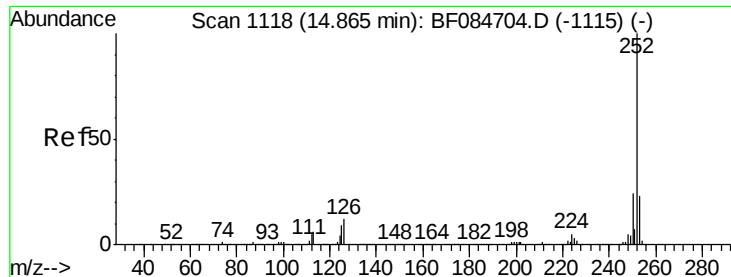


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

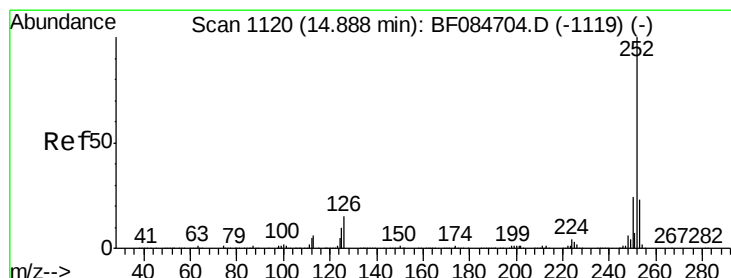
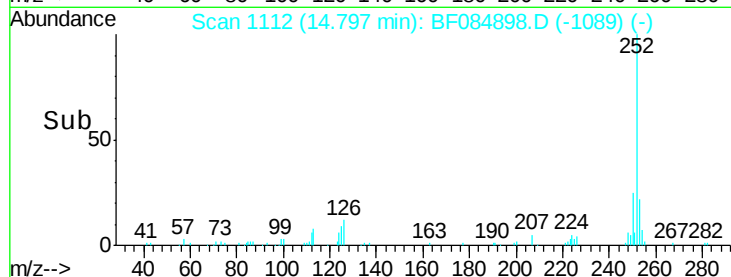
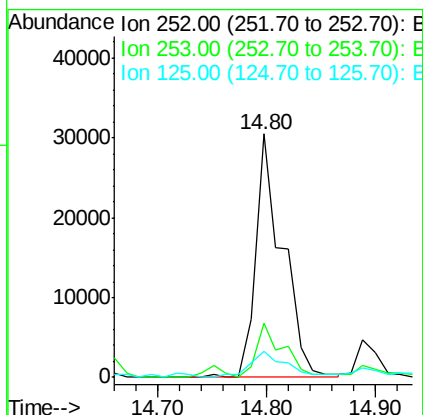
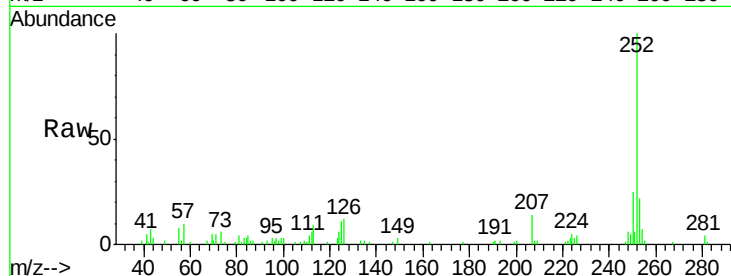




#87
Benzo(b)fluoranthene
Concen: 2.36 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)

Tgt Ion: 252 Resp: 51810
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 10.7 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 2.85 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084898.D
Acq: 6 Feb 2016 9:00

Tgt Ion: 252 Resp: 51810
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 10.7 9.0 13.6

