

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060616\
 Data File : BF087748.D
 Acq On : 6 Jun 2016 13:14
 Operator : UM/SJ
 Sample : H3346-01DL 250X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605ADL

Quant Time: Jun 06 16:02:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

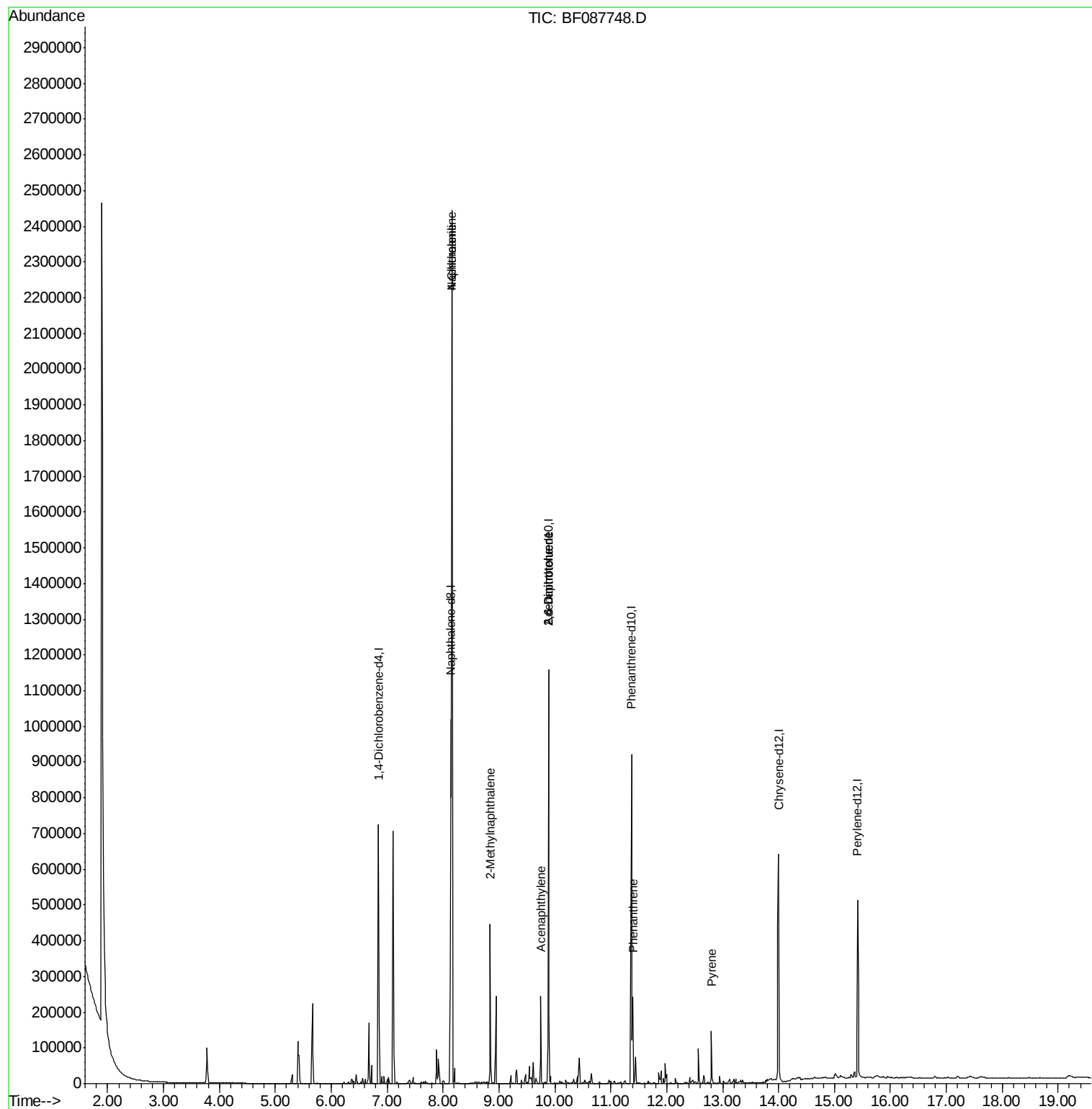
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	108529	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	467106	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	214544	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	397550	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	260356	20.00	ng	-0.02
86) Perylene-d12	15.42	264	225025	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1752	0.26	ng	-0.02
7) Phenol-d6	6.47	99	1968	0.23	ng	-0.02
23) Nitrobenzene-d5	7.40	82	3627	0.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	1645	0.76	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	9184	0.80	ng	-0.02
78) Terphenyl-d14	12.95	244	7931	0.74	ng	-0.02
Target Compounds						
31) Naphthalene	8.16	128	1111678	48.95	ng	Qvalue 99
33) 4-Chloroaniline	8.16	127	150898	15.30	ng	# 34
37) 2-Methylnaphthalene	8.84	142	114691	7.65	ng	98
48) Acenaphthylene	9.75	152	104463	4.83	ng	98
50) 2,6-Dinitrotoluene	9.88	165	28640	8.07	ng	# 39
56) 2,4-Dinitrotoluene	9.88	165	28635	6.34	ng	# 38
70) Phenanthrene	11.39	178	107001	4.96	ng	97
77) Pyrene	12.80	202	55341	2.99	ng	97

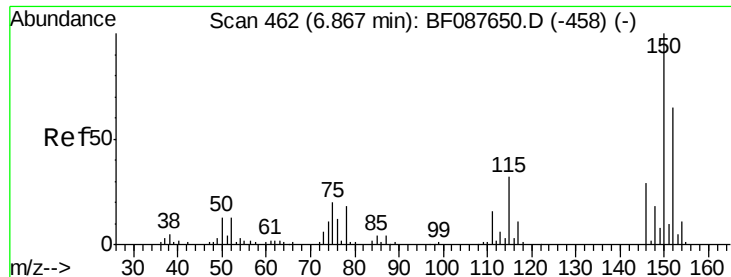
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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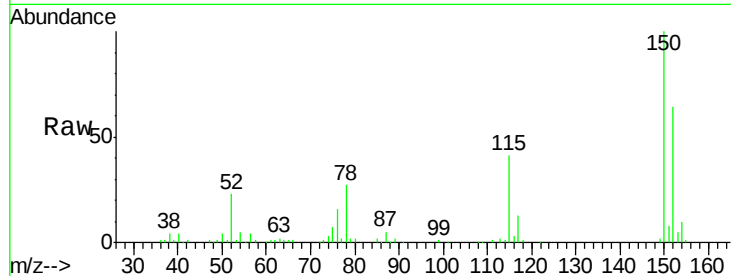




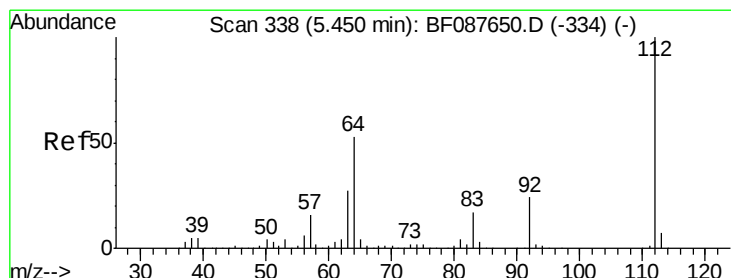
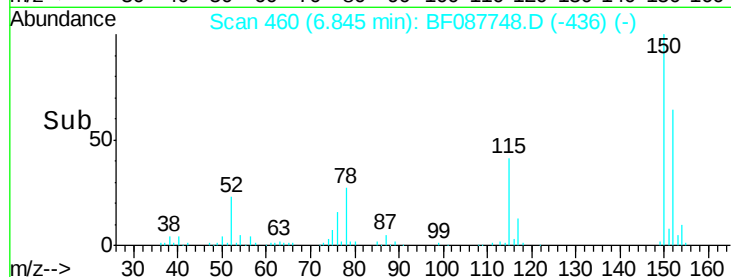
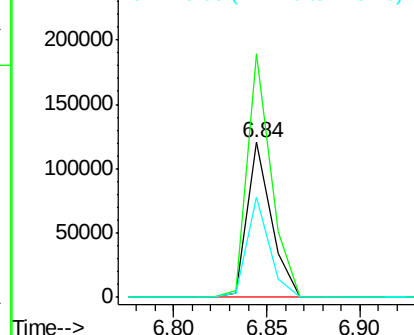
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.84 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605ADL

Tgt Ion:152 Resp: 108529
 Ion Ratio Lower Upper
 152 100
 150 157.1 123.8 185.6
 115 64.7 39.6 59.4#

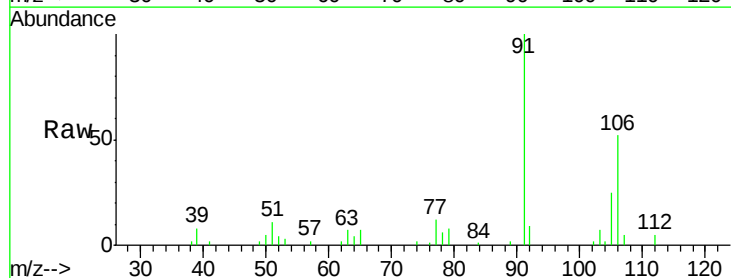


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

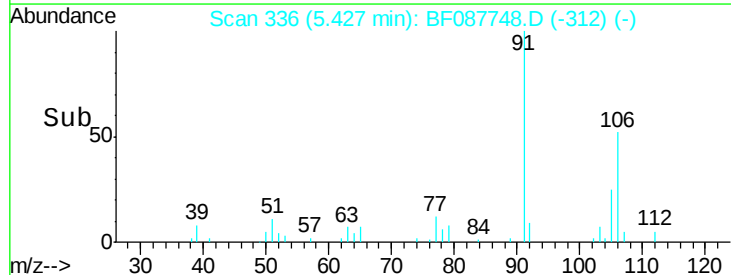
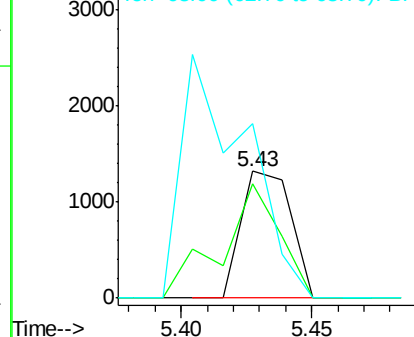


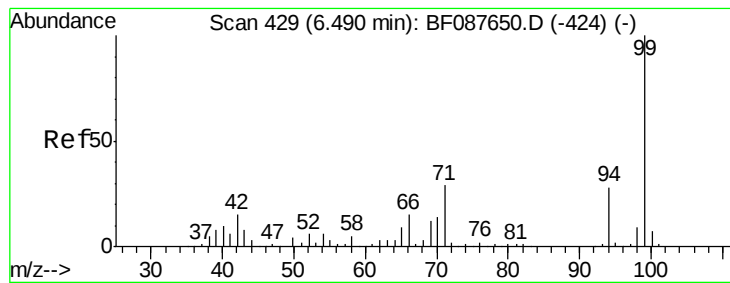
#5
 2-Fluorophenol
 Concen: 0.26 ng
 RT: 5.43 min Scan# 336
 Delta R.T. -0.02 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Tgt Ion:112 Resp: 1752
 Ion Ratio Lower Upper
 112 100
 64 89.8 42.2 63.2#
 63 138.1 21.8 32.8#



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: 0.23 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.02 min

Lab File: BF087748.D

Acq: 6 Jun 2016 13:14

Instrument :

BNA_F

ClientSampleId :

WC-201605ADL

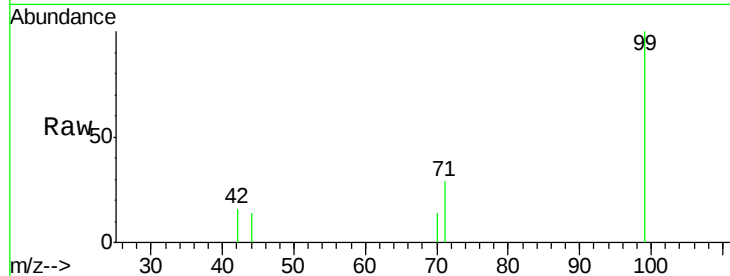
Tgt Ion: 99 Resp: 1968

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

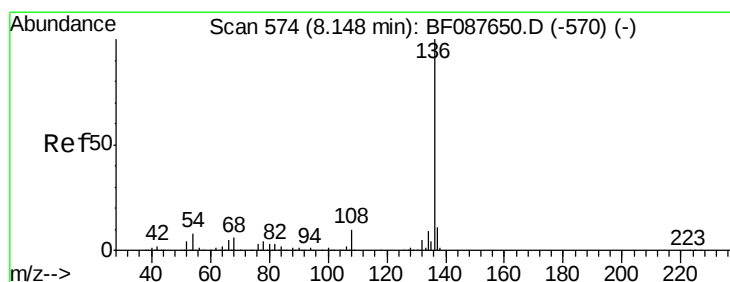
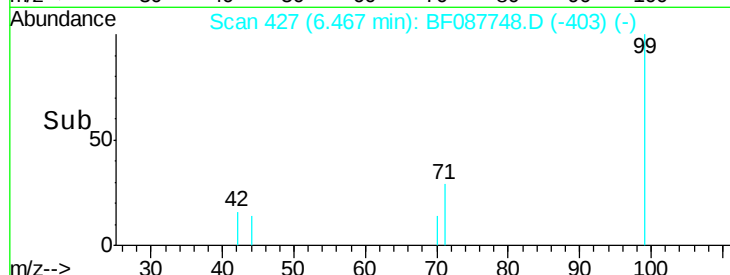
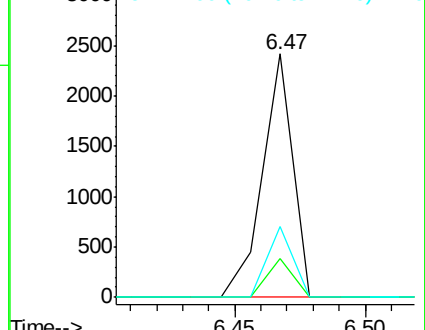
71 28.9 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF087748.D

Acq: 6 Jun 2016 13:14

Tgt Ion: 136 Resp: 467106

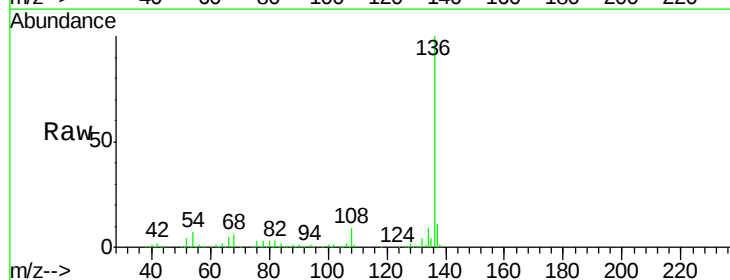
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.8 6.6 10.0

68 5.5 5.1 7.7

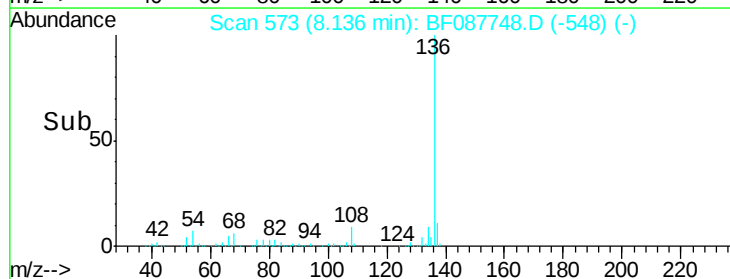
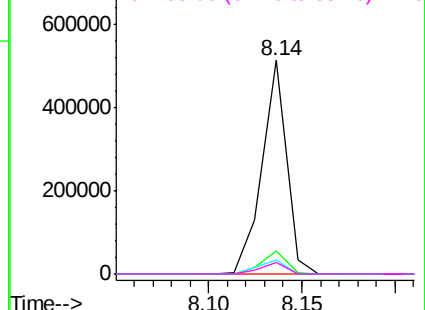


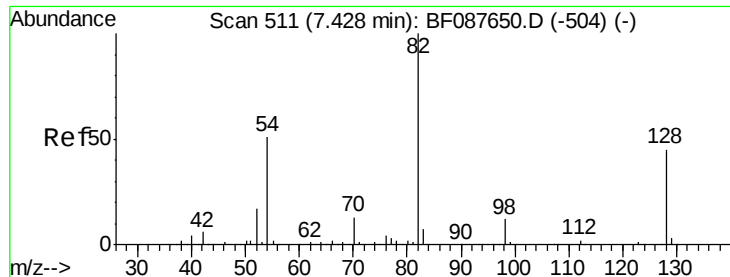
Abundance Ion 136.00 (135.70 to 136.70): E

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

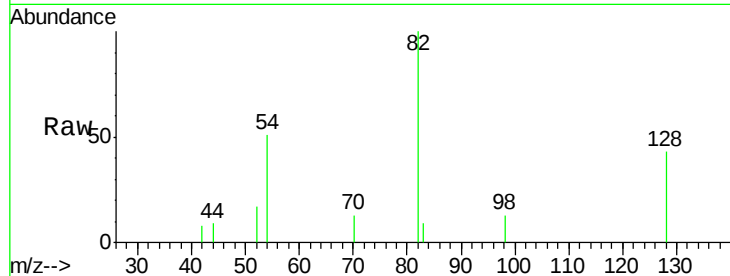




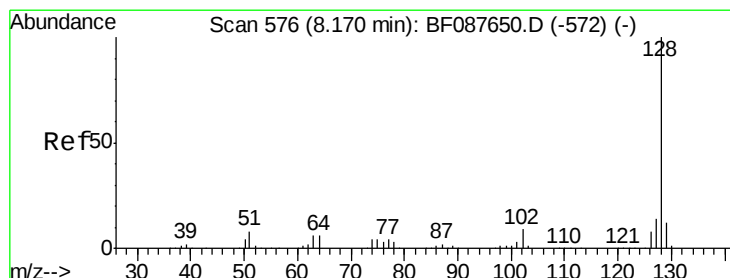
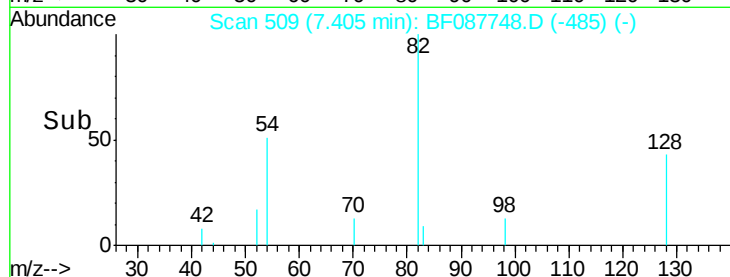
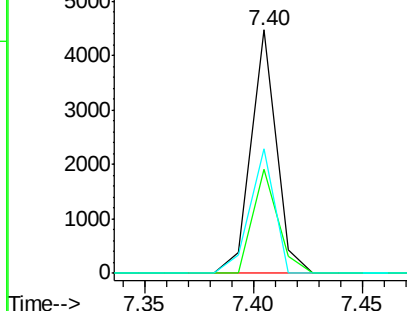
#23
 Nitrobenzene-d5
 Concen: 0.45 ng
 RT: 7.40 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605ADL

Tgt Ion: 82 Resp: 3627
 Ion Ratio Lower Upper
 82 100
 128 42.6 35.9 53.9
 54 50.9 40.9 61.3

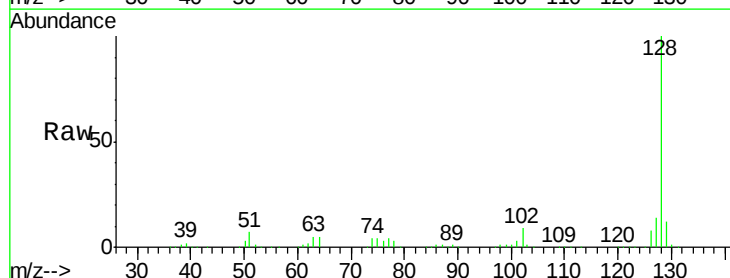


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

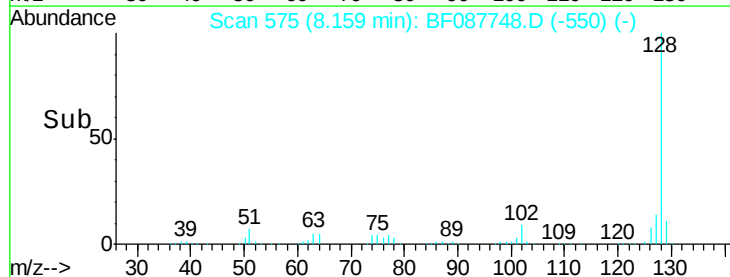
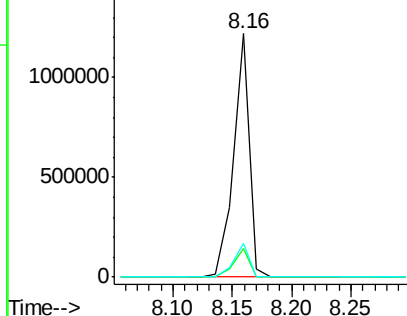


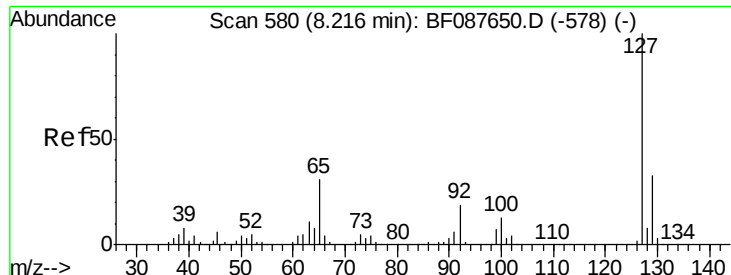
#31
 Naphthalene
 Concen: 48.95 ng
 RT: 8.16 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Tgt Ion: 128 Resp: 1111678
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.4 14.2
 127 13.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

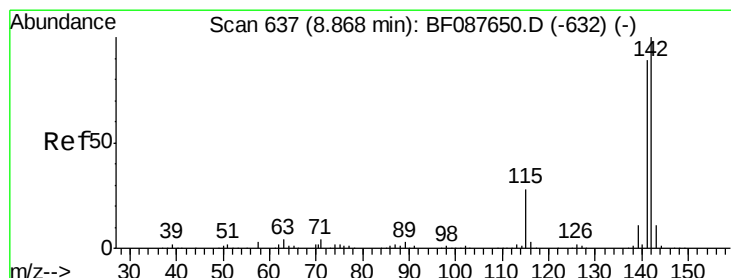
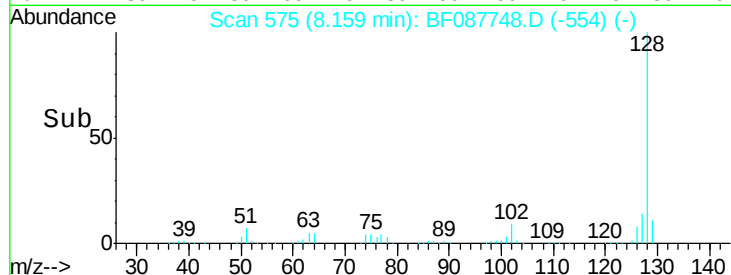
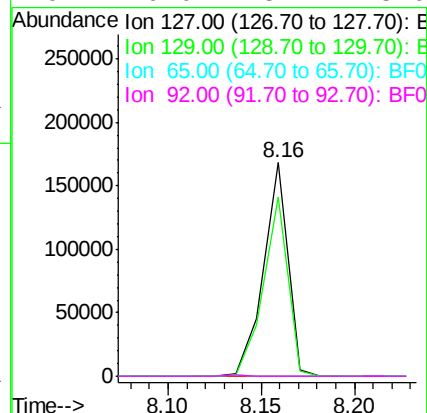
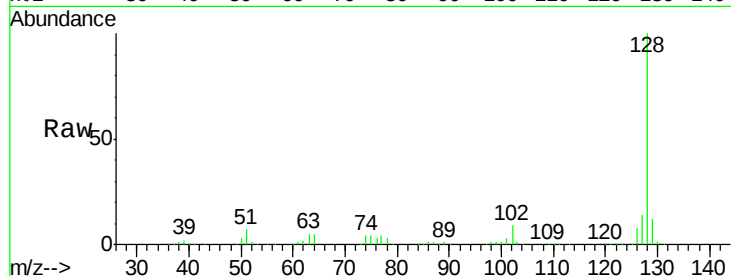




#33
4-Chloroaniline
Concen: 15.30 ng
RT: 8.16 min Scan# 575
Delta R.T. -0.06 min
Lab File: BF087748.D
Acq: 6 Jun 2016 13:14

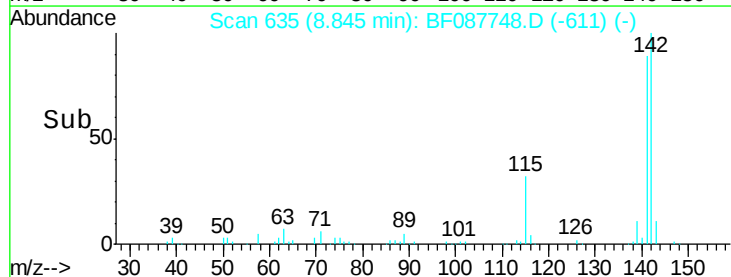
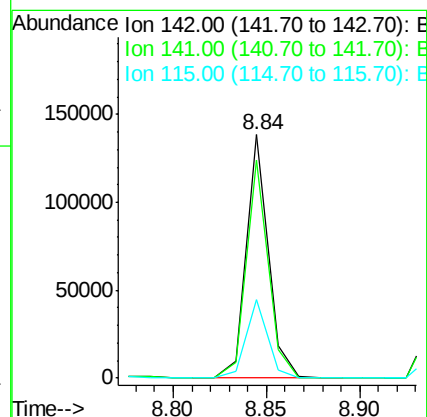
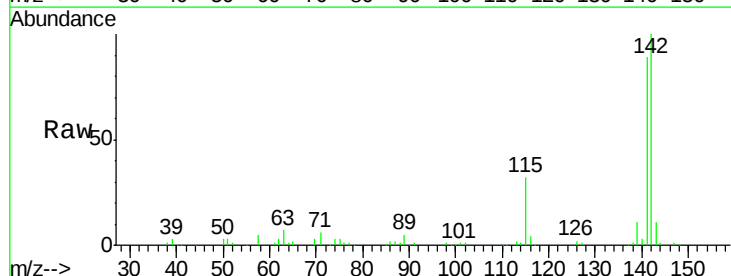
Instrument :
BNA_F
ClientSampleId :
WC-201605ADL

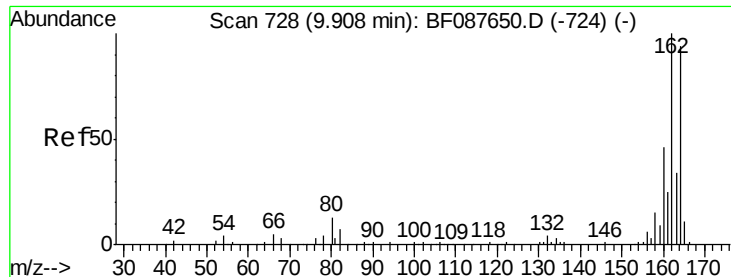
Tgt Ion	Ratio	Lower	Upper
127	100		
129	83.6	26.3	39.5#
65	0.0	24.7	37.1#
92	0.0	15.4	23.0#



#37
2-Methylnaphthalene
Concen: 7.65 ng
RT: 8.84 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF087748.D
Acq: 6 Jun 2016 13:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.0	106.6
115	32.5	22.6	33.8

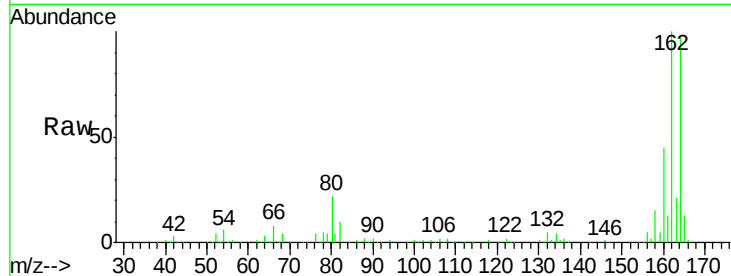




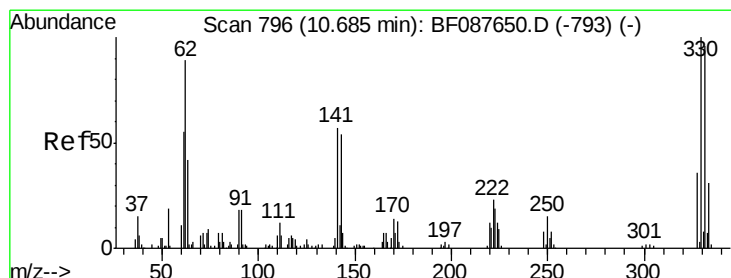
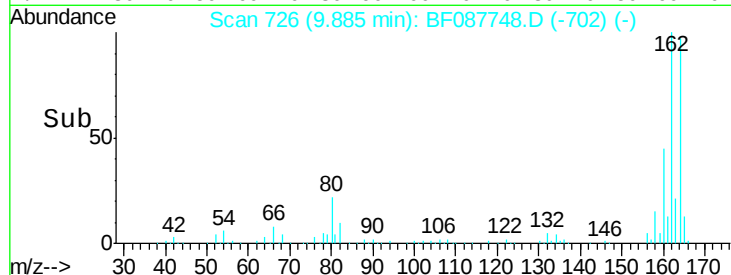
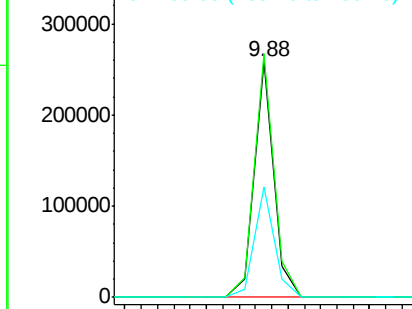
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Instrument :
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 ClientSampleId :
 WC-201605ADL

Tgt Ion:164 Resp: 214544
 Ion Ratio Lower Upper
 164 100
 162 103.5 85.4 128.2
 160 47.0 39.5 59.3

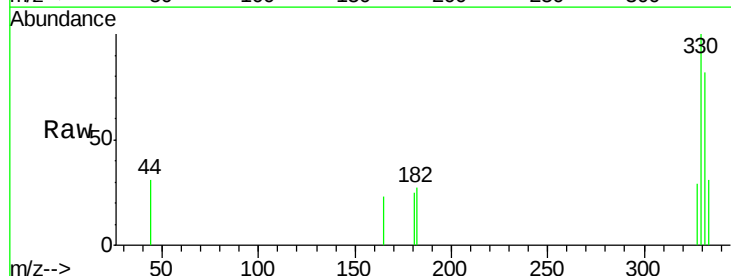


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

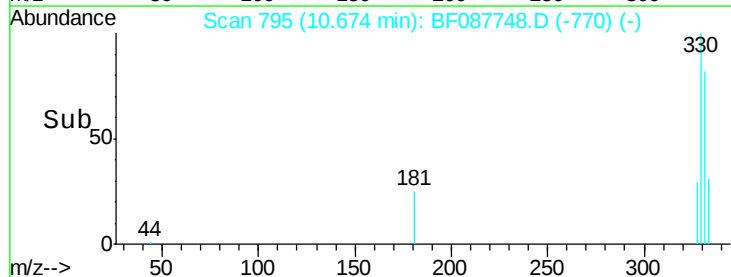
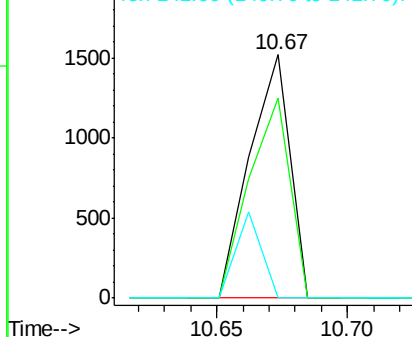


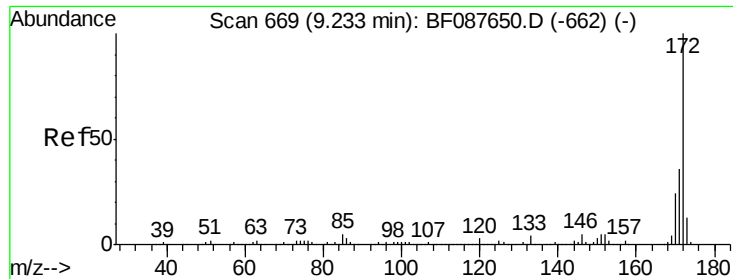
#41
 2,4,6-Tribromophenol
 Concen: 0.76 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Tgt Ion:330 Resp: 1645
 Ion Ratio Lower Upper
 330 100
 332 83.2 0.0 0.0#
 141 22.4 0.0 0.0#



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

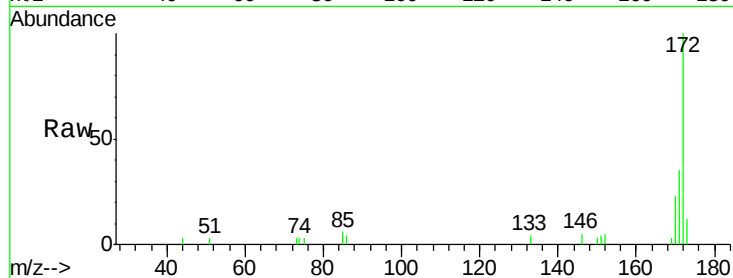




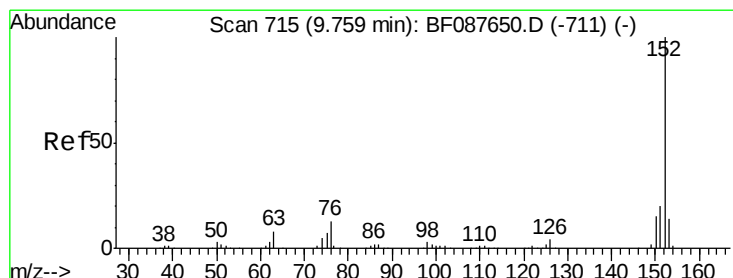
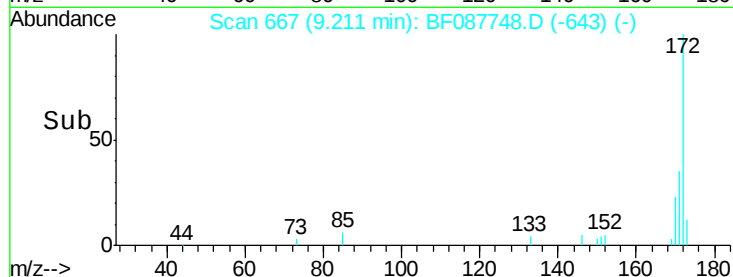
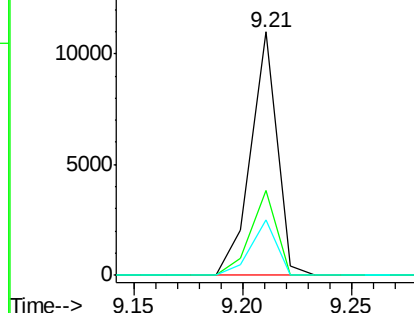
#44
 2-Fluorobiphenyl
 Concen: 0.80 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Instrument :
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 ClientSampleId :
 WC-201605ADL

Tgt Ion:172 Resp: 9184
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.6 43.0
 170 22.9 19.2 28.8

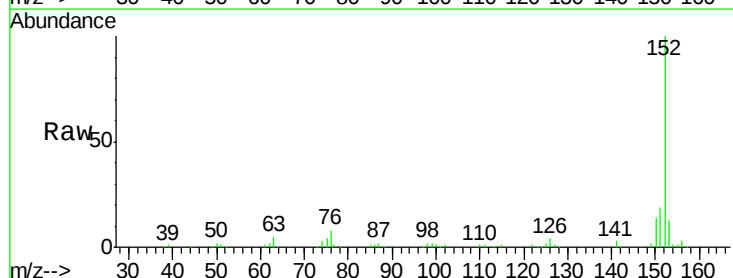


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

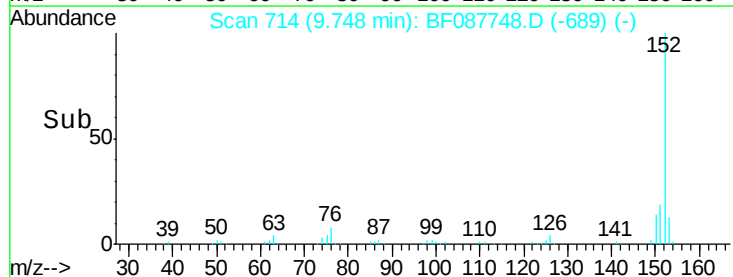
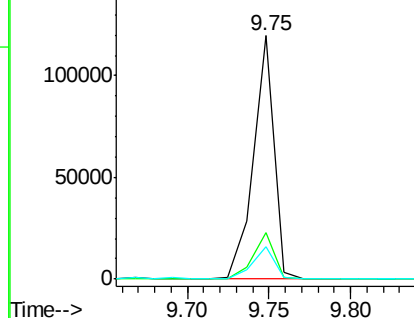


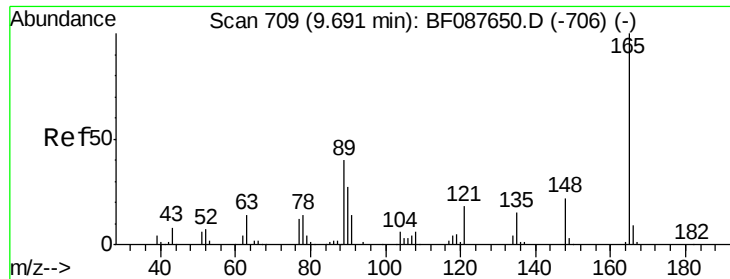
#48
 Acenaphthylene
 Concen: 4.83 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Tgt Ion:152 Resp: 104463
 Ion Ratio Lower Upper
 152 100
 151 19.3 16.2 24.4
 153 13.3 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

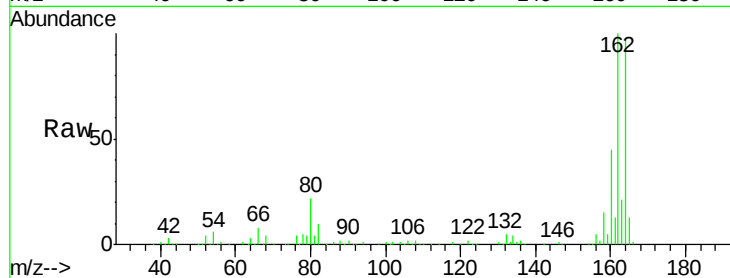




#50
 2,6-Dinitrotoluene
 Concen: 8.07 ng
 RT: 9.88 min Scan# 726
 Delta R.T. 0.19 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Instrument :
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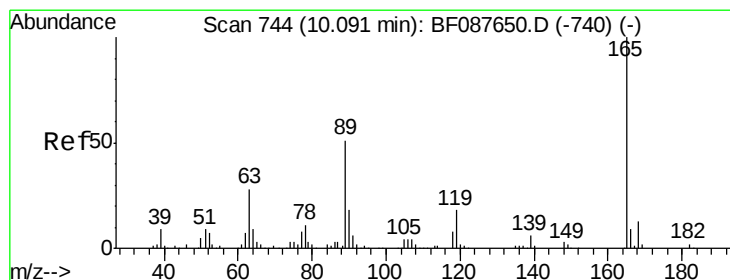
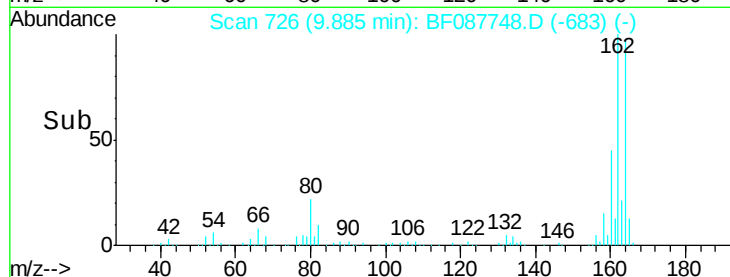
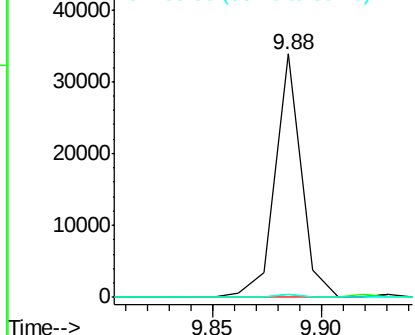
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	28.1	42.1#
89	1.4	32.2	48.2#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.21 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

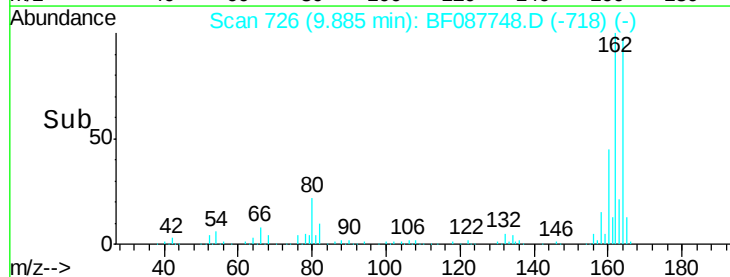
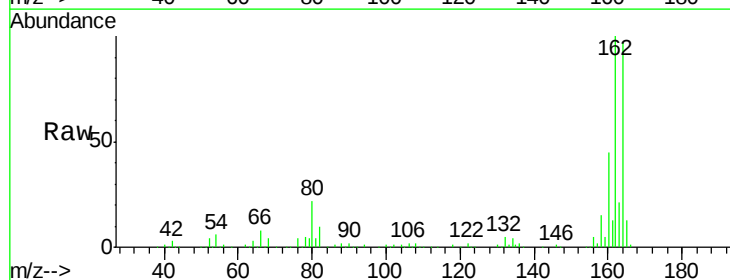
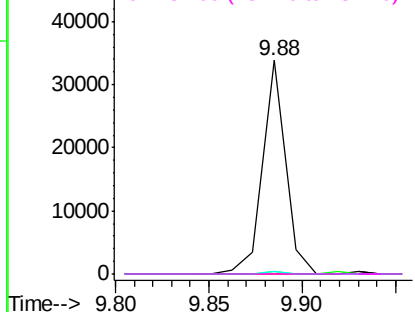
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	22.0	33.0#
89	1.4	41.1	61.7#
182	0.0	2.0	3.0#

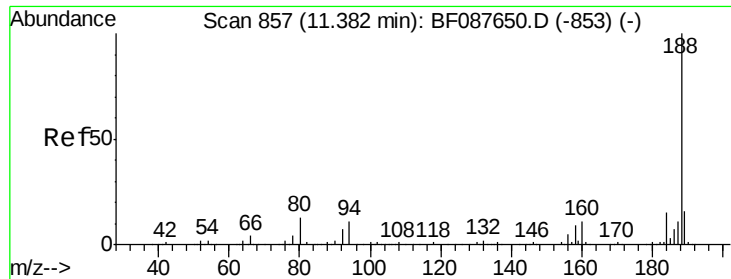
Abundance Ion 165.00 (164.70 to 165.70): E

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

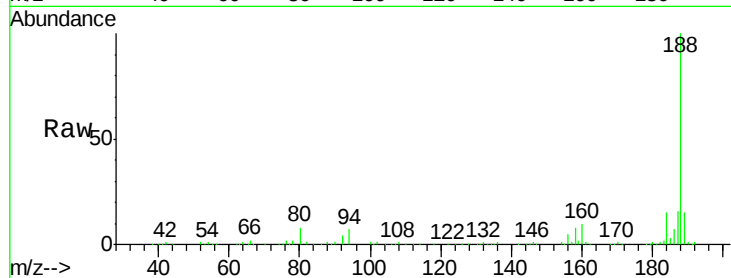




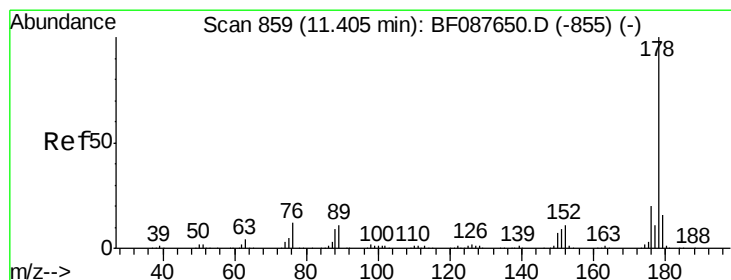
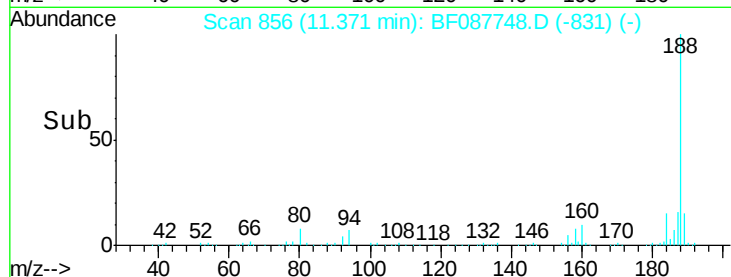
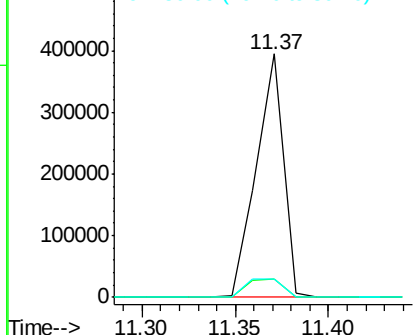
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087748.D
Acq: 6 Jun 2016 13:14

Instrument :
BNA_F
ClientSampleId :
WC-201605ADL

Tgt Ion:188 Resp: 397550
Ion Ratio Lower Upper
188 100
94 7.3 9.0 13.6#
80 7.6 10.0 15.0#

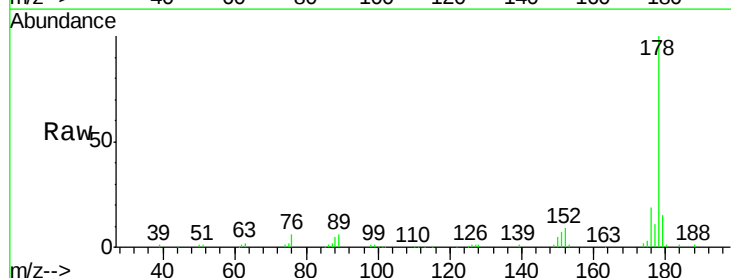


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

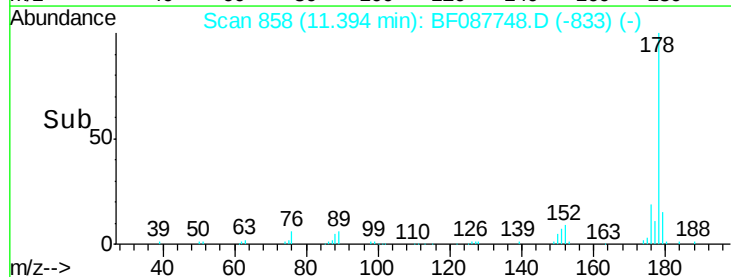
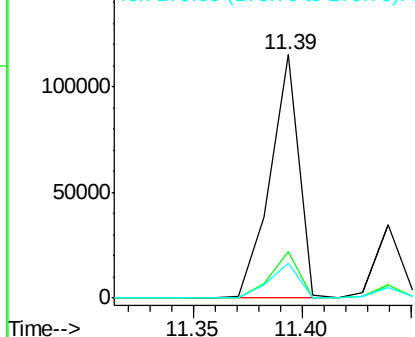


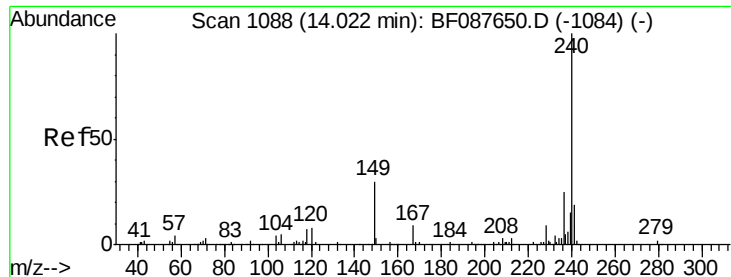
#70
Phenanthrene
Concen: 4.96 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF087748.D
Acq: 6 Jun 2016 13:14

Tgt Ion:178 Resp: 107001
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 14.6 13.0 19.4



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF087748.D

Acq: 6 Jun 2016 13:14

Instrument :

BNA_F

ClientSampleId :

WC-201605ADL

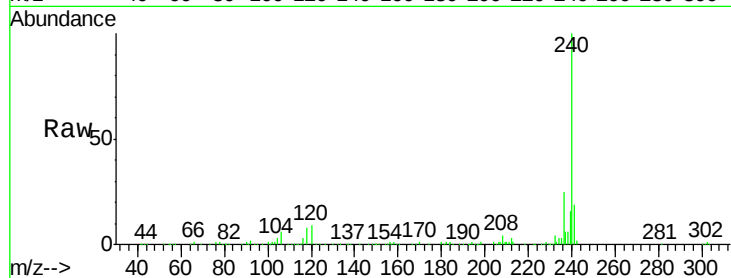
Tgt Ion:240 Resp: 260356

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

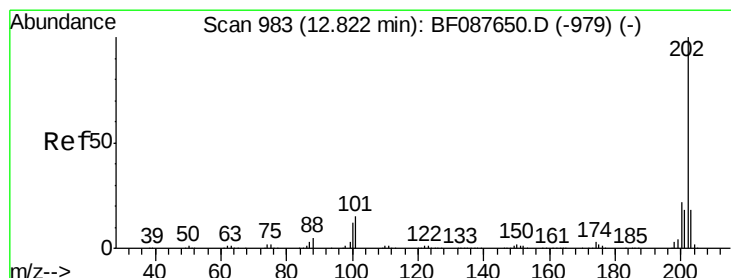
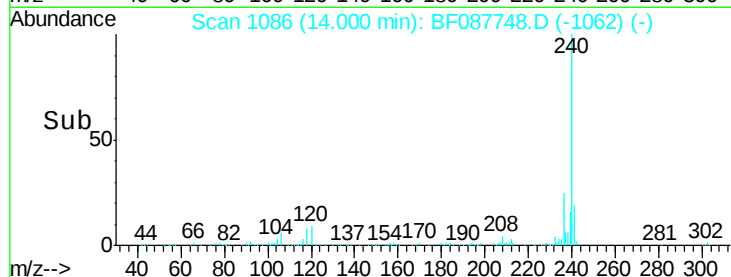
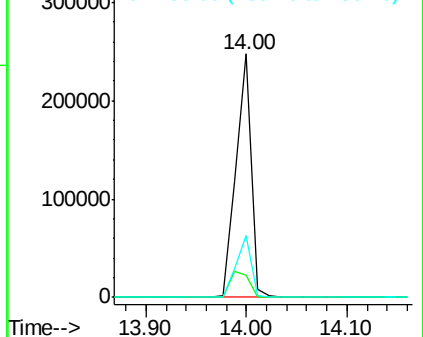
236 25.4 20.2 30.2



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: 2.99 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.02 min

Lab File: BF087748.D

Acq: 6 Jun 2016 13:14

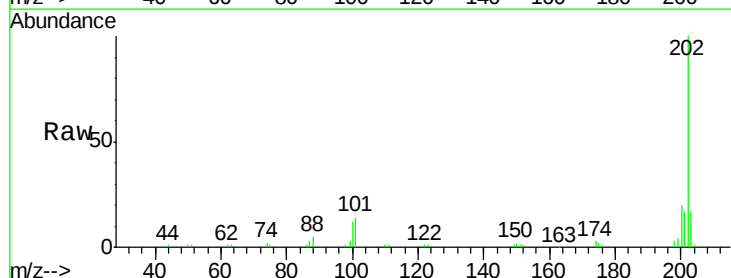
Tgt Ion:202 Resp: 55341

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

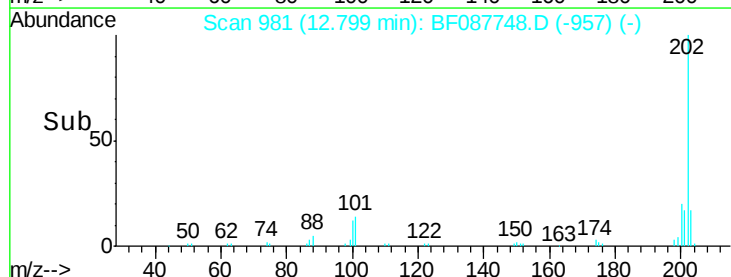
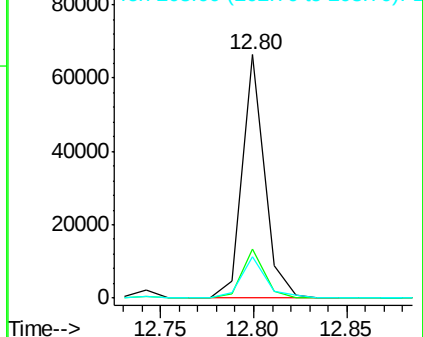
203 17.1 14.5 21.7

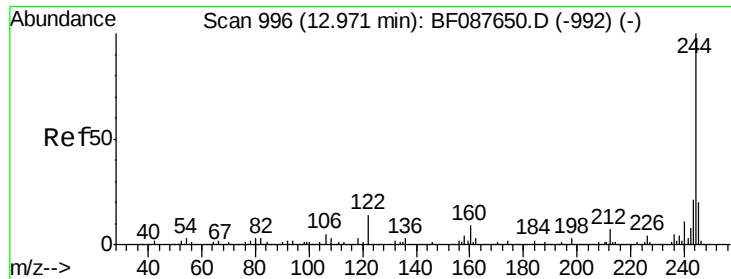


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

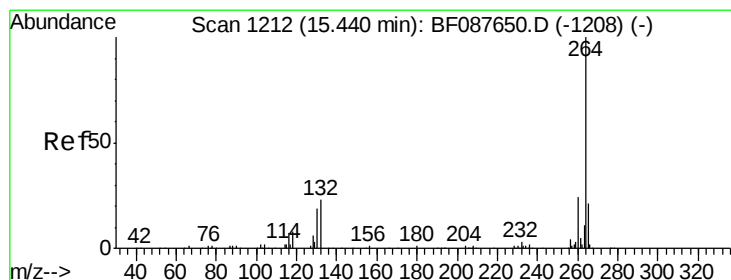
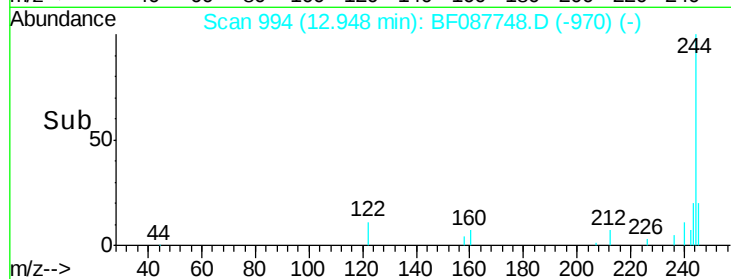
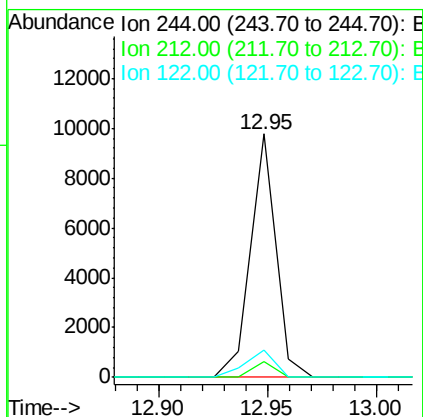
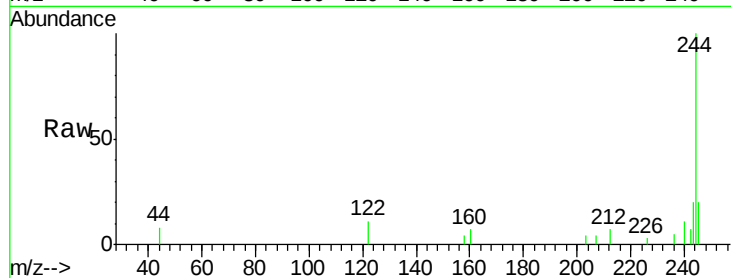




#78
 Terphenyl-d14
 Concen: 0.74 ng
 RT: 12.95 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Instrument :
 BNA_F
 ClientSampleId :
 WC-201605ADL

Tgt Ion:244 Resp: 7931
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 11.4 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.42 min Scan# 1210
 Delta R.T. -0.02 min
 Lab File: BF087748.D
 Acq: 6 Jun 2016 13:14

Tgt Ion:264 Resp: 225025
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 22.1 16.9 25.3

