

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088753.D
 Acq On : 7 Jul 2016 00:25
 Operator : UM/SJ
 Sample : H3900-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Quant Time: Jul 07 01:07:48 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	80355	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	365830	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	170239	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	328911	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	233740	20.00	ng	-0.05
86) Perylene-d12	15.26	264	177758	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	430297	80.25	ng	-0.03
7) Phenol-d6	6.39	99	619788	89.46	ng	-0.02
23) Nitrobenzene-d5	7.31	82	406260	58.20	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	124162	78.54	ng	-0.03
44) 2-Fluorobiphenyl	9.11	172	627227	58.20	ng	-0.03
78) Terphenyl-d14	12.85	244	656573	62.57	ng	-0.02

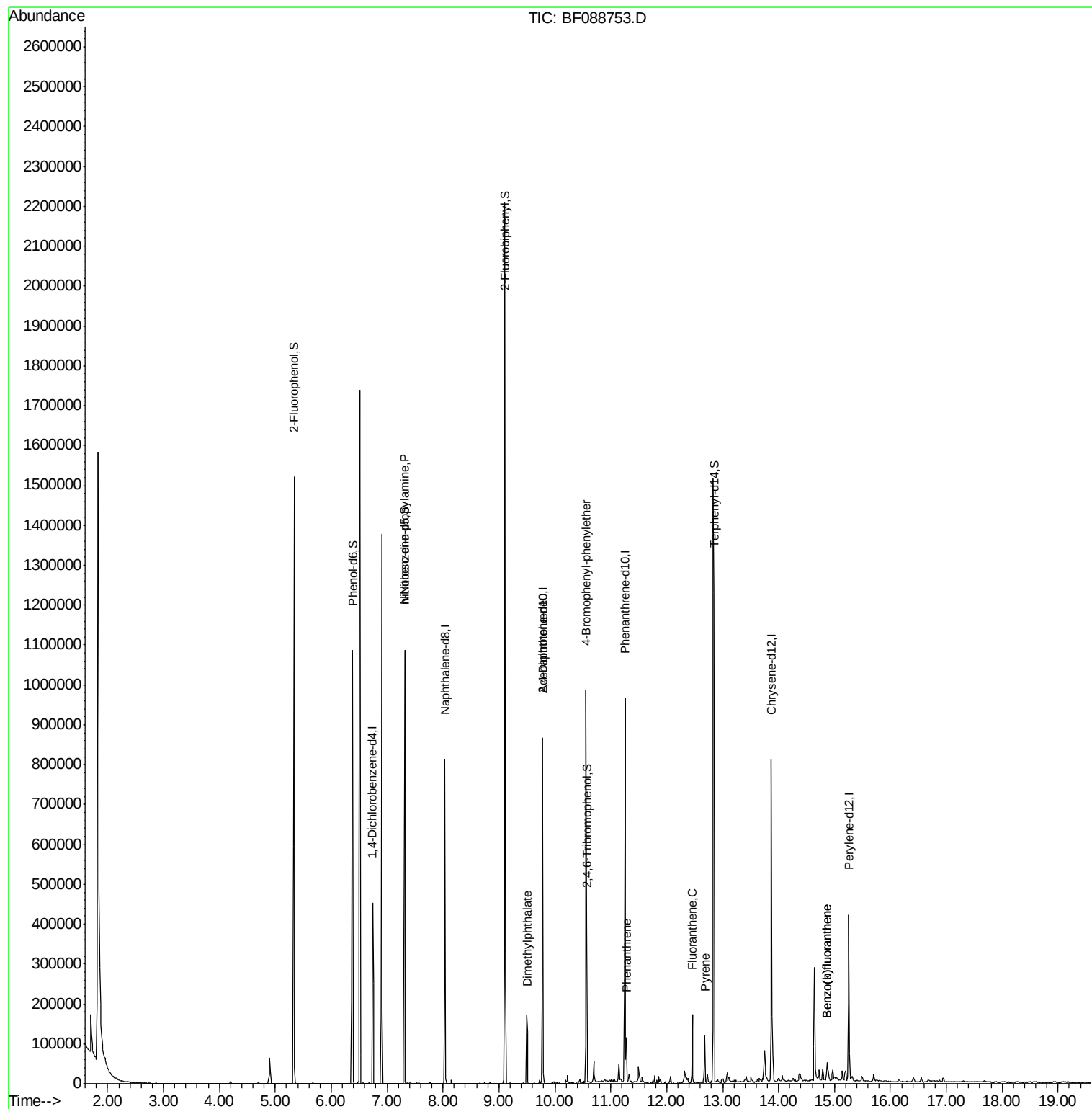
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	54068	11.62	ng	# 69
49) Dimethylphthalate	9.51	163	95453	7.87	ng	98
56) 2,4-Dinitrotoluene	9.78	165	22098	6.29	ng	# 38
66) 4-Bromophenyl-phenylether	10.56	248	7744	2.34	ng	# 1
70) Phenanthrene	11.28	178	42906	2.39	ng	98
74) Fluoranthene	12.46	202	61665	3.38	ng	97
77) Pyrene	12.69	202	52409	2.64	ng	97
87) Benzo(b)fluoranthene	14.87	252	31236	2.80	ng	# 93
88) Benzo(k)fluoranthene	14.87	252	31236	3.22	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: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF088753.D

Acq: 7 Jul 2016 00:25

Instrument :

BNA_F

ClientSampled :

P-1

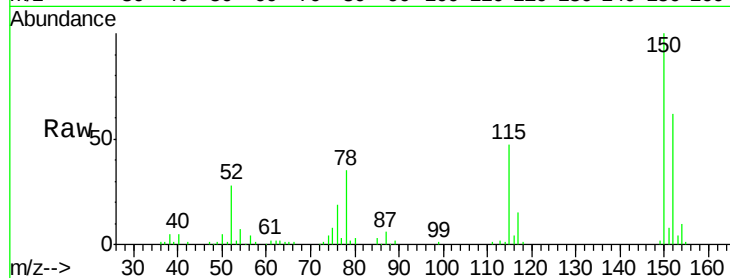
Tgt Ion:152 Resp: 80355

Ion Ratio Lower Upper

152 100

150 162.3 123.8 185.6

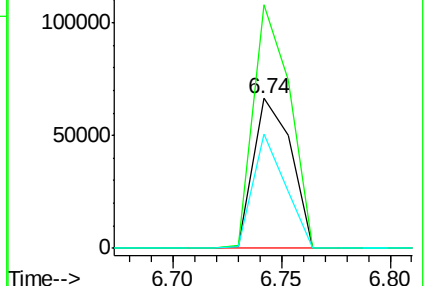
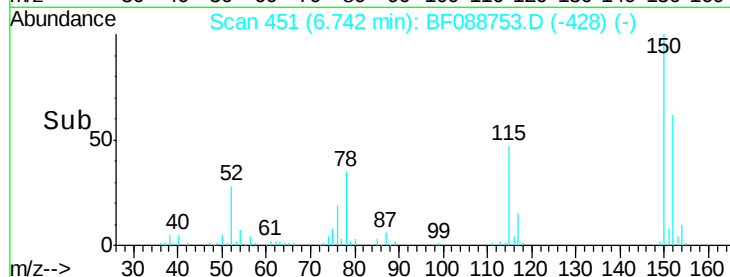
115 76.2 39.6 59.4#



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: 80.25 ng

RT: 5.34 min Scan# 328

Delta R.T. -0.03 min

Lab File: BF088753.D

Acq: 7 Jul 2016 00:25

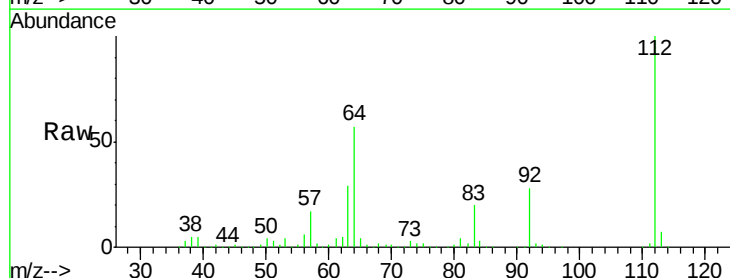
Tgt Ion:112 Resp: 430297

Ion Ratio Lower Upper

112 100

64 56.6 42.2 63.2

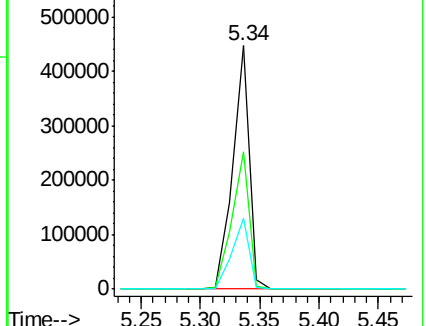
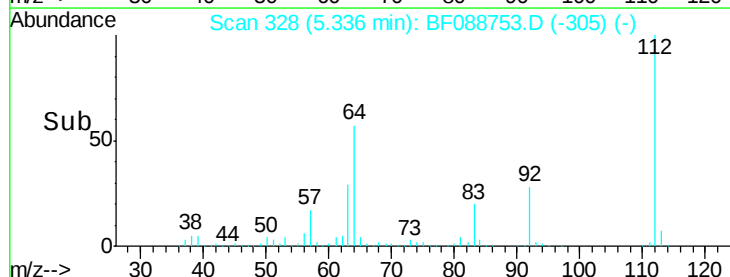
63 29.3 21.8 32.8



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: 89.46 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF088753.D

Acq: 7 Jul 2016 00:25

Instrument :

BNA_F

ClientSampleId :

P-1

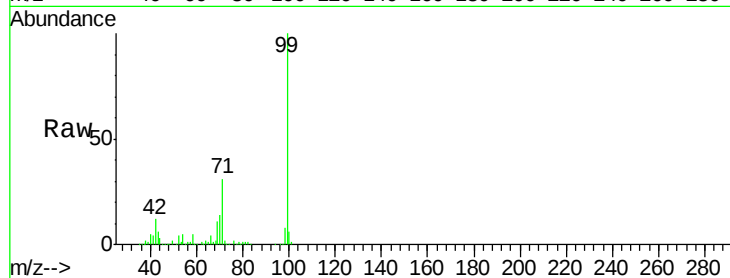
Tgt Ion: 99 Resp: 619788

Ion Ratio Lower Upper

99 100

42 12.0 12.2 18.2#

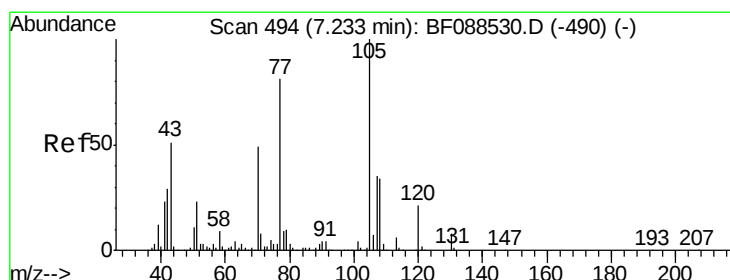
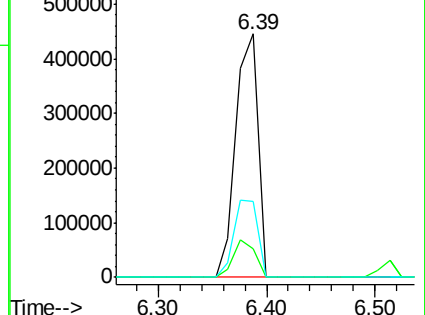
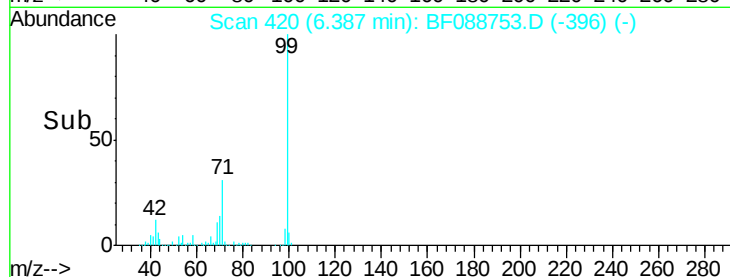
71 31.0 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.62 ng

RT: 7.31 min Scan# 501

Delta R.T. 0.11 min

Lab File: BF088753.D

Acq: 7 Jul 2016 00:25

Tgt Ion: 70 Resp: 54068

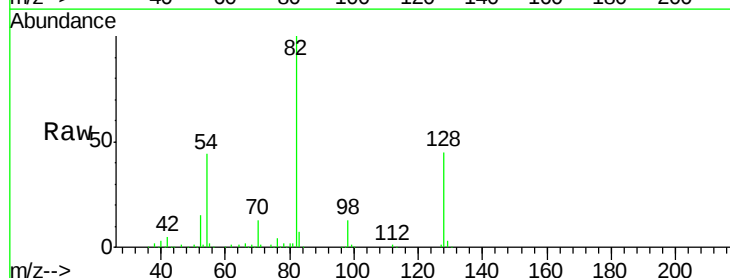
Ion Ratio Lower Upper

70 100

42 39.3 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#

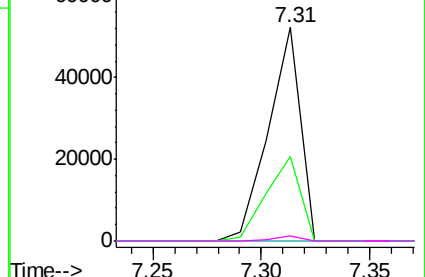
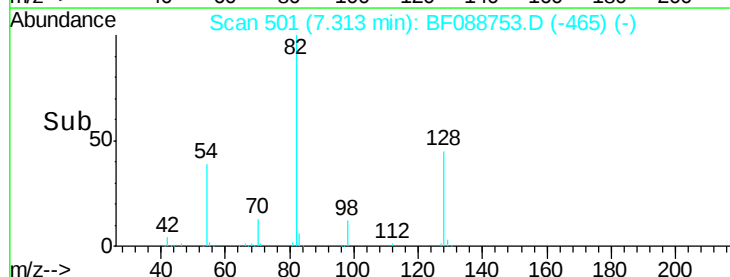


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.03 min Scan# 564

Delta R.T. -0.03 min

Lab File: BF088753.D

Acq: 7 Jul 2016 00:25

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 365830

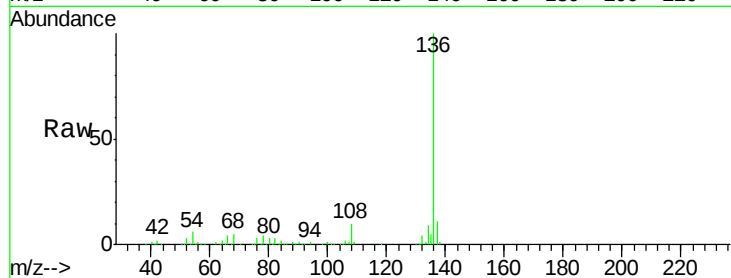
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 5.9 6.6 10.0#

68 5.2 5.1 7.7

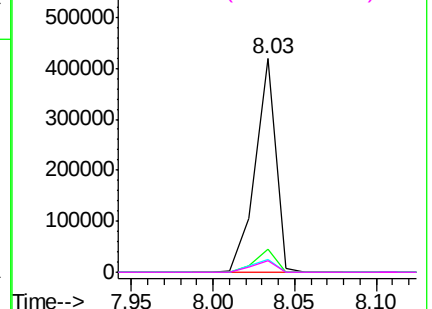
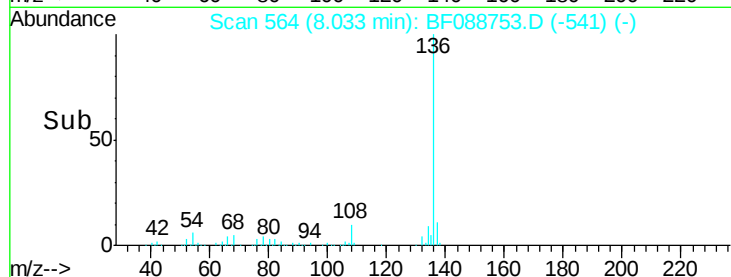


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.20 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.03 min

Lab File: BF088753.D

Acq: 7 Jul 2016 00:25

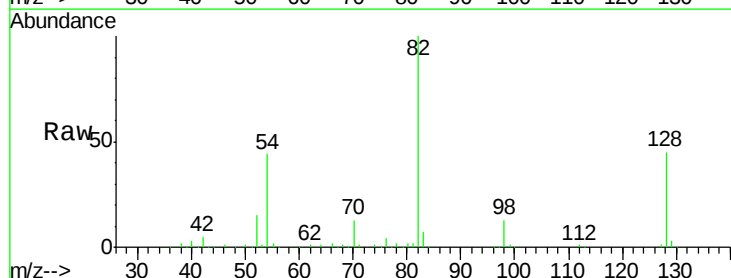
Tgt Ion: 82 Resp: 406260

Ion Ratio Lower Upper

82 100

128 45.1 35.9 53.9

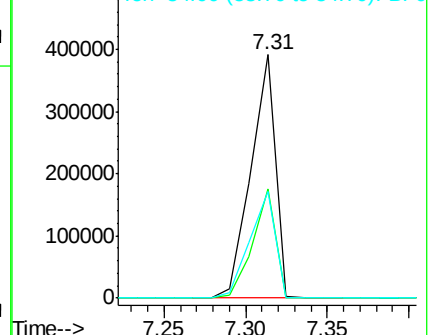
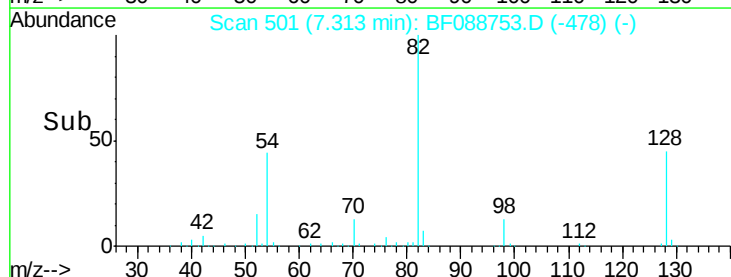
54 43.8 40.9 61.3

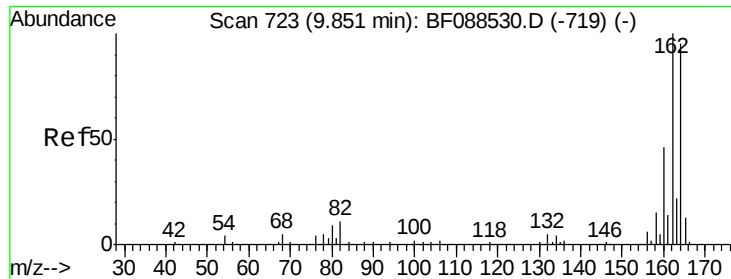


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

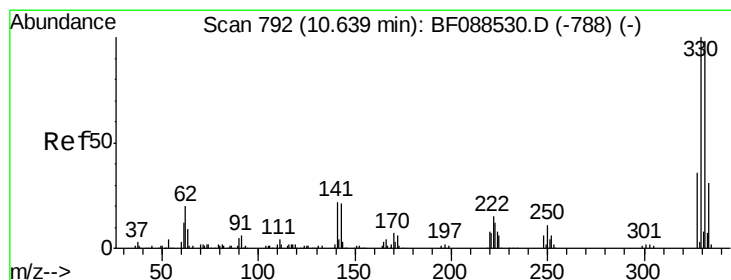
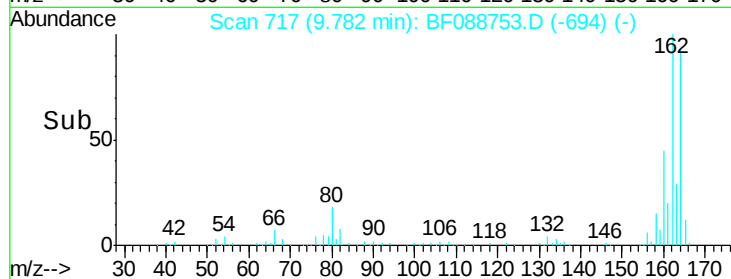
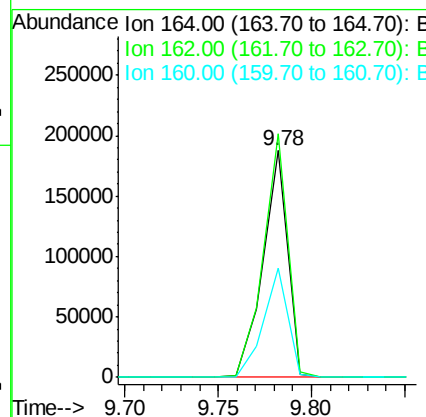
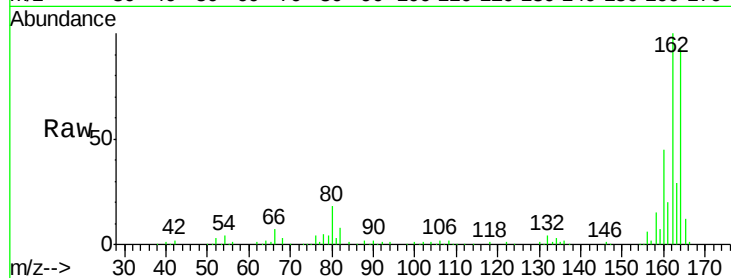




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.03 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

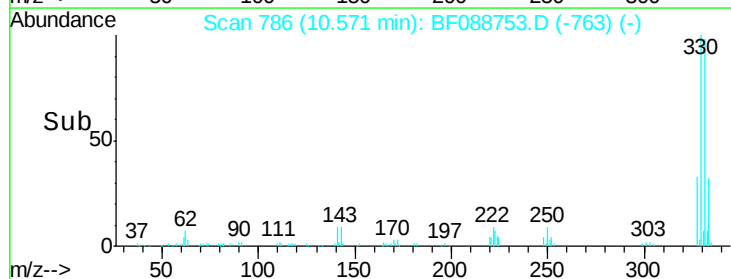
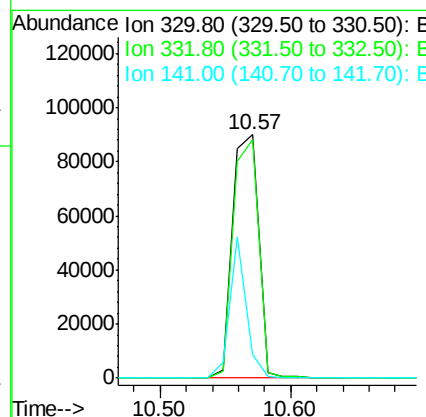
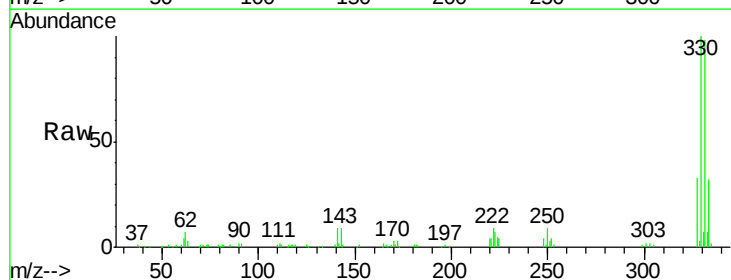
Instrument :
 BNA_F
 ClientSampleId :
 P-1

Tgt Ion:164 Resp: 170239
 Ion Ratio Lower Upper
 164 100
 162 107.6 85.4 128.2
 160 48.2 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 78.54 ng
 RT: 10.57 min Scan# 786
 Delta R.T. -0.03 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Tgt Ion:330 Resp: 124162
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 36.8 0.0 0.0#

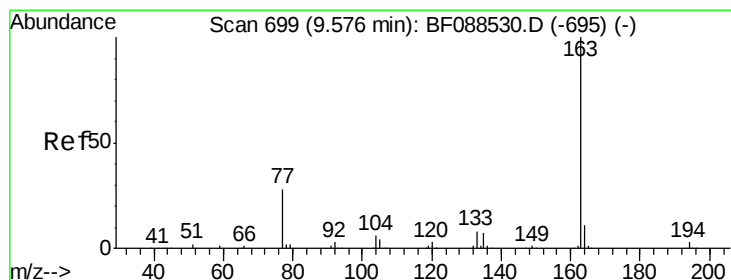
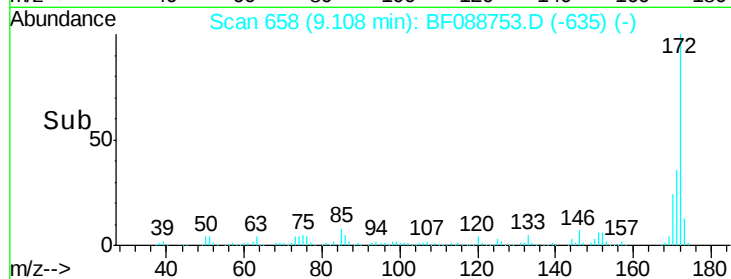
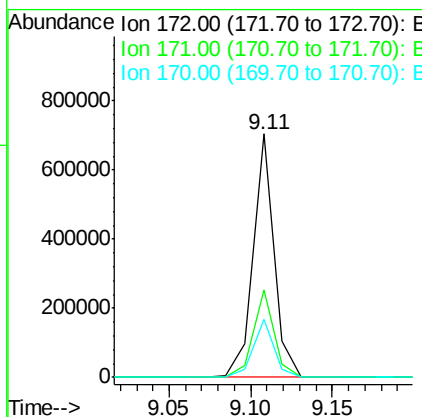
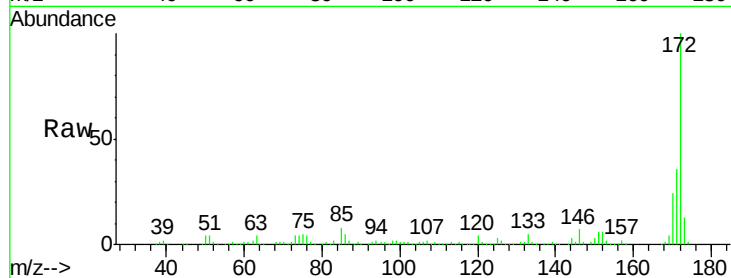




#44
 2-Fluorobiphenyl
 Concen: 58.20 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.03 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

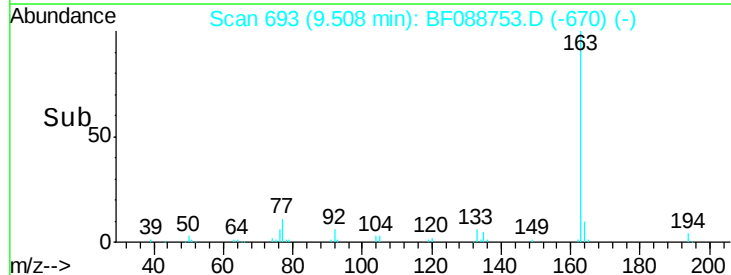
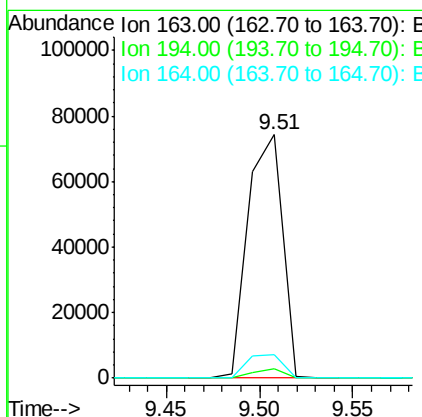
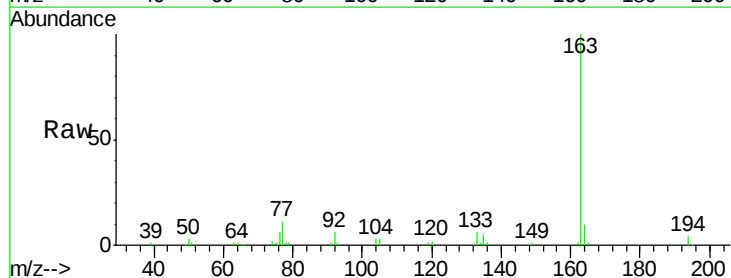
Instrument :
 BNA_F
 ClientSampleId :
 P-1

Tgt Ion:172 Resp: 627227
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 24.0 19.2 28.8



#49
 Dimethylphthalate
 Concen: 7.87 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.03 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Tgt Ion:163 Resp: 95453
 Ion Ratio Lower Upper
 163 100
 194 4.0 2.8 4.2
 164 9.7 8.3 12.5

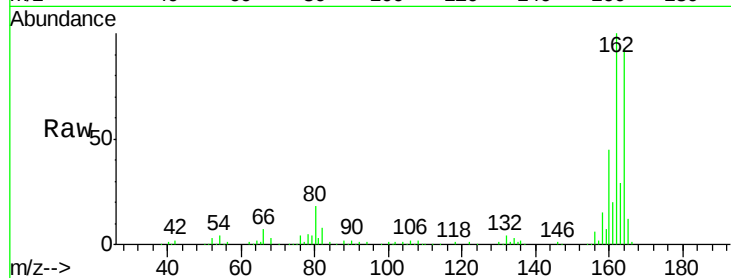




#56
 2,4-Dinitrotoluene
 Concen: 6.29 ng
 RT: 9.78 min Scan# 717
 Delta R.T. -0.22 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	22.0	33.0#
89	1.9	41.1	61.7#
182	0.0	2.0	3.0#

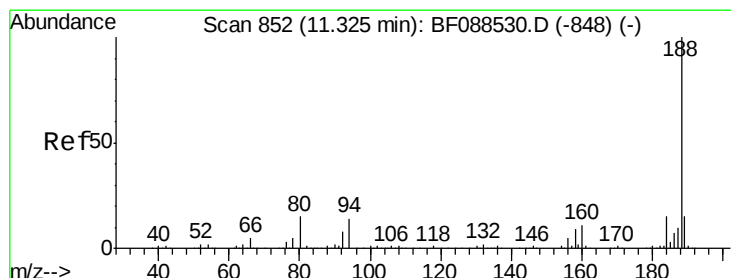
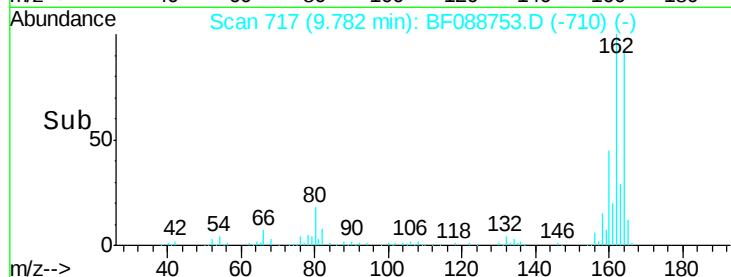
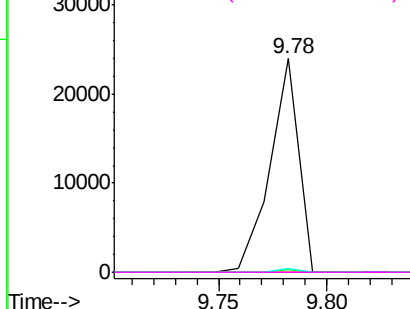


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

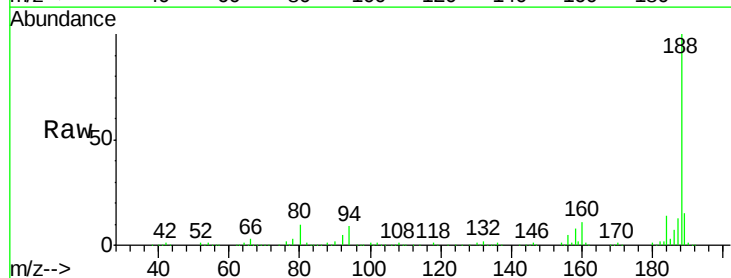
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.03 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

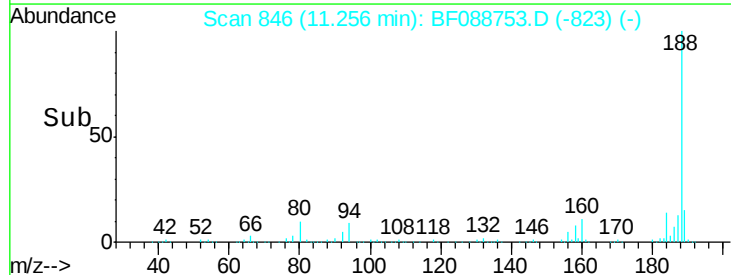
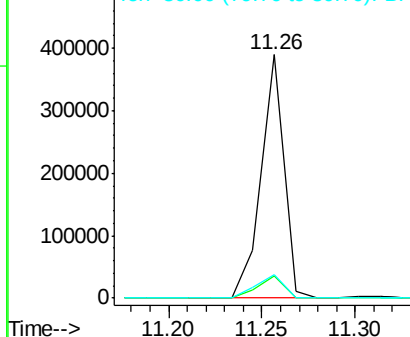
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	9.0	13.6#
80	9.7	10.0	15.0#

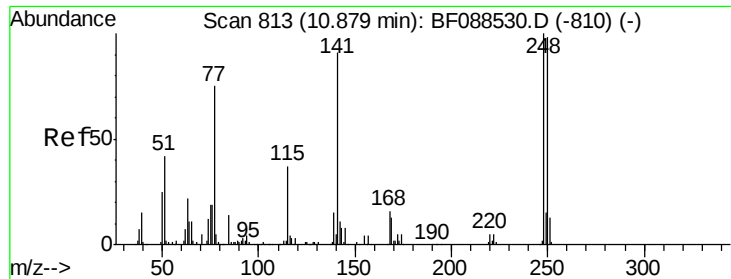


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

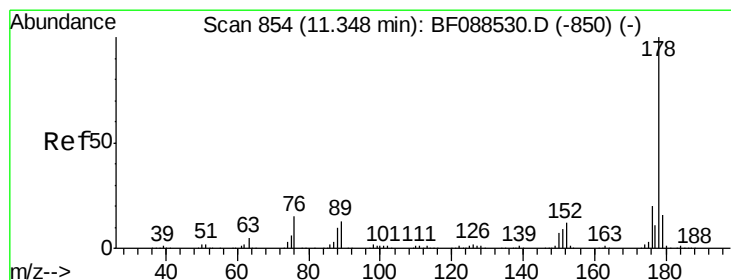
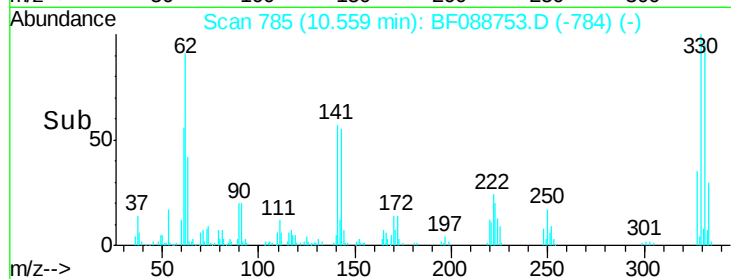
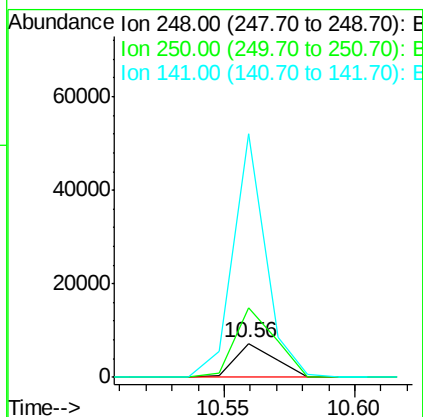
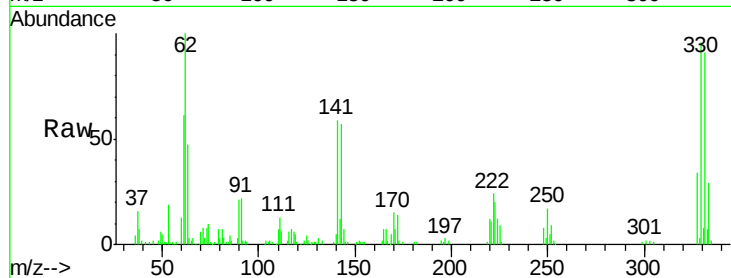




#66
4-Bromophenyl-phenylether
Concen: 2.34 ng
RT: 10.56 min Scan# 785
Delta R.T. -0.29 min
Lab File: BF088753.D
Acq: 7 Jul 2016 00:25

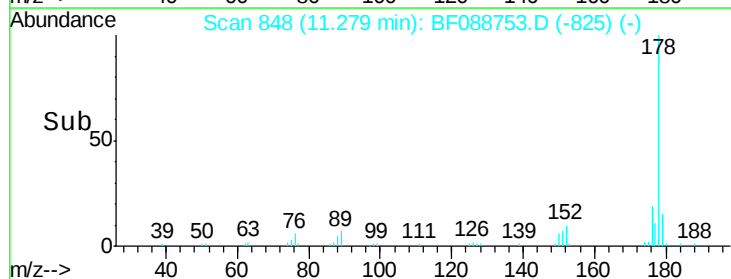
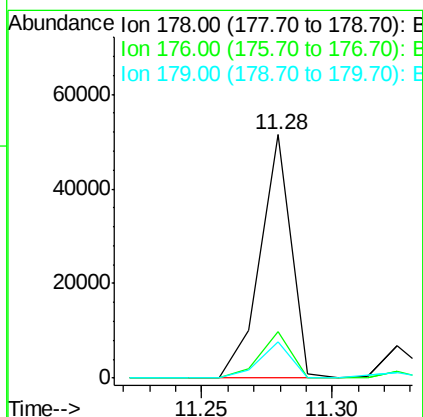
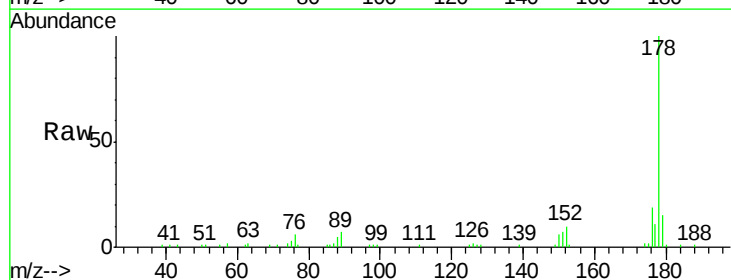
Instrument :
BNA_F
ClientSampleId :
P-1

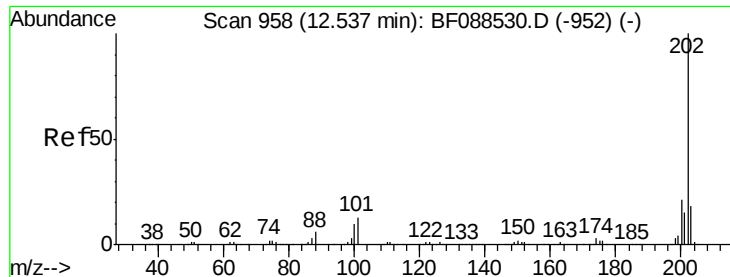
Tgt Ion:248 Resp: 7744
Ion Ratio Lower Upper
248 100
250 203.6 77.1 115.7#
141 718.6 50.6 76.0#



#70
Phenanthrene
Concen: 2.39 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.03 min
Lab File: BF088753.D
Acq: 7 Jul 2016 00:25

Tgt Ion:178 Resp: 42906
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.1 13.0 19.4

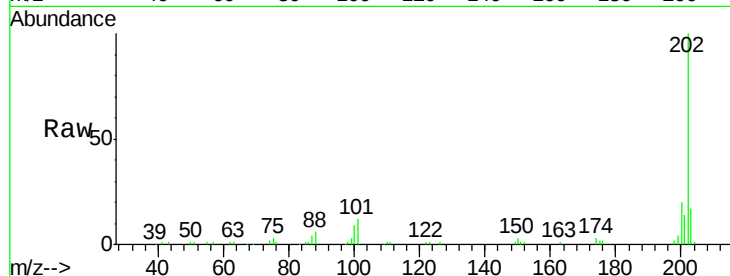




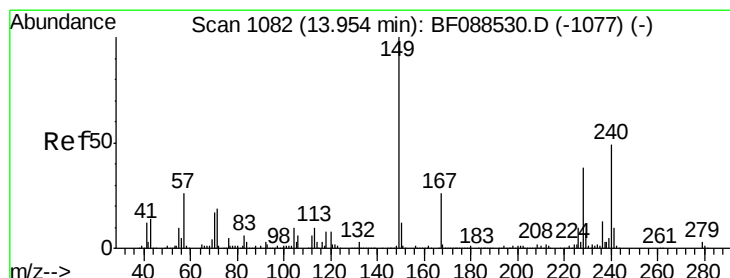
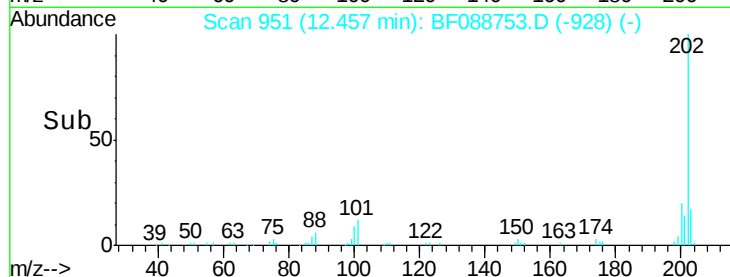
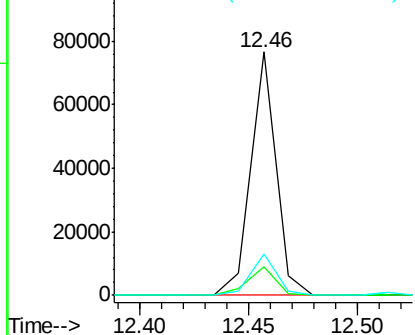
#74
Fluoranthene
 Concen: 3.38 ng
 RT: 12.46 min Scan# 951
 Delta R.T. -0.03 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion: 202 Resp: 61665
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 33.1
 203 16.8 0.0 38.1

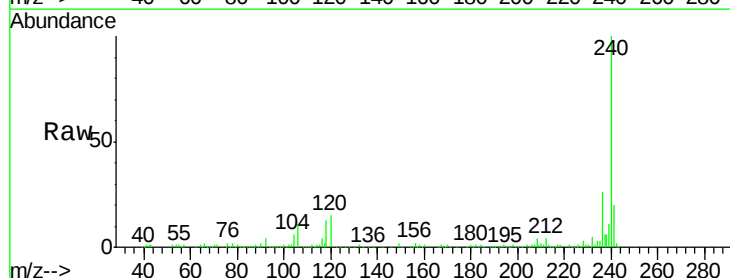


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

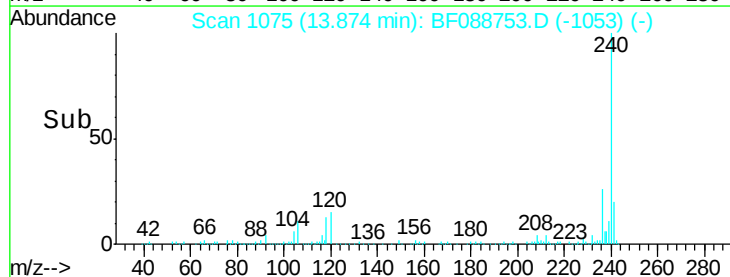
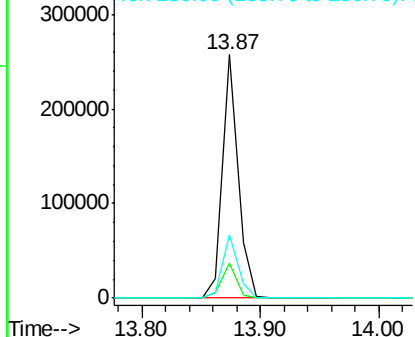


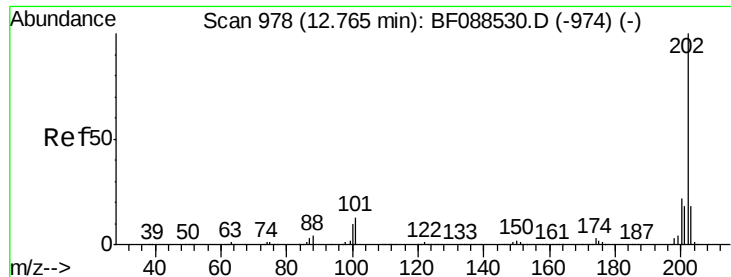
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.87 min Scan# 1075
 Delta R.T. -0.05 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Tgt Ion: 240 Resp: 233740
 Ion Ratio Lower Upper
 240 100
 120 14.5 6.8 10.2#
 236 26.1 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

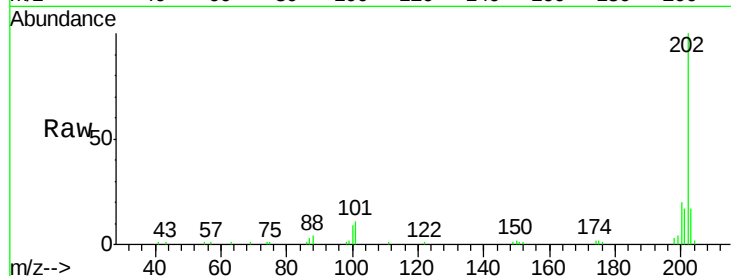




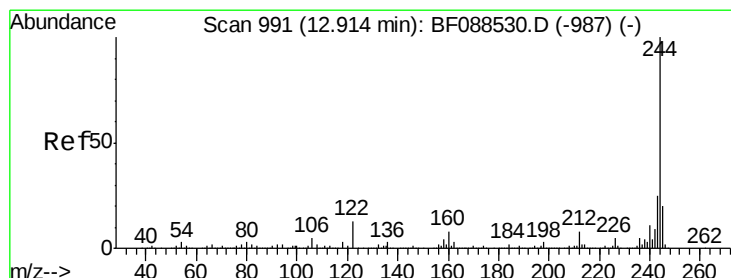
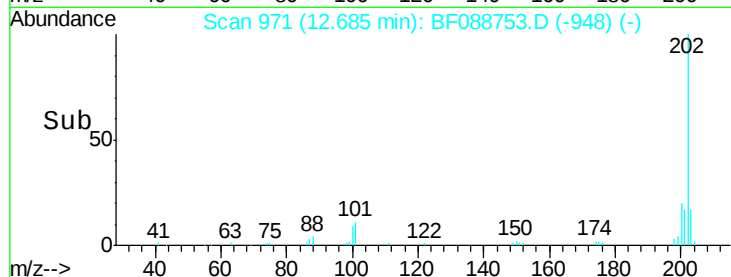
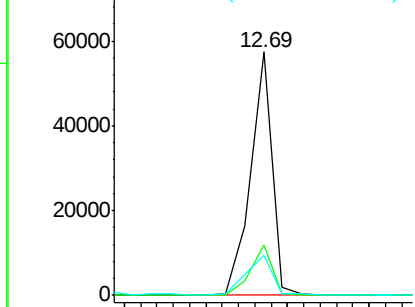
#77
 Pyrene
 Concen: 2.64 ng
 RT: 12.69 min Scan# 971
 Delta R.T. -0.03 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Tgt Ion: 202 Resp: 52409
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.4 26.2
 203 16.7 14.5 21.7

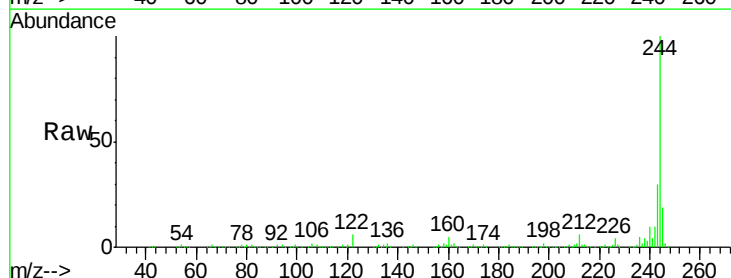


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

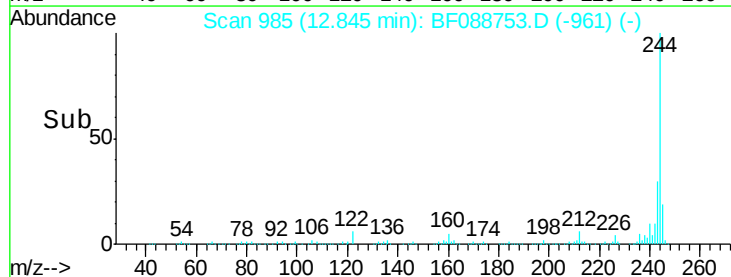
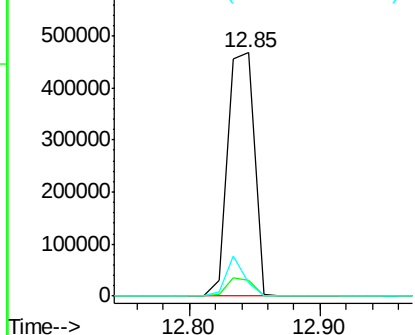


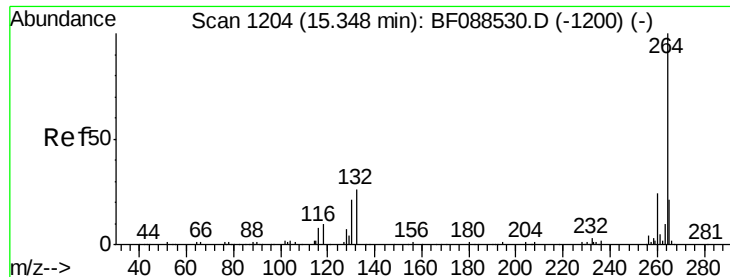
#78
 Terphenyl-d14
 Concen: 62.57 ng
 RT: 12.85 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Tgt Ion: 244 Resp: 656573
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 5.6 11.2 16.8#



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

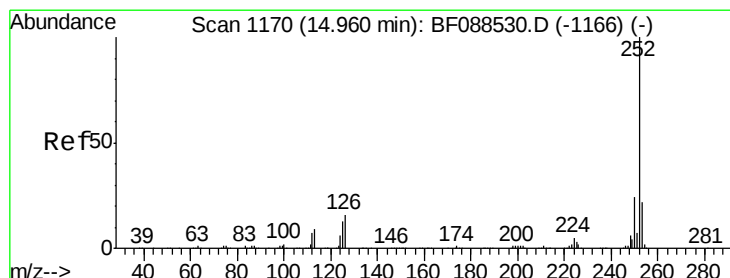
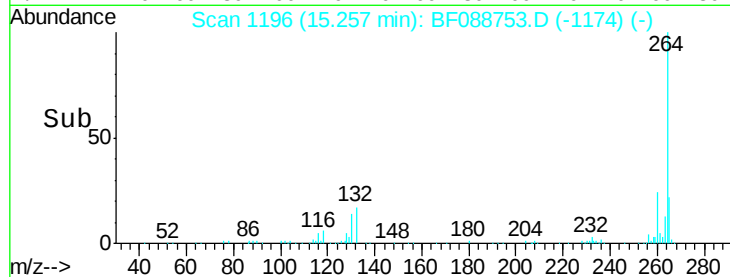
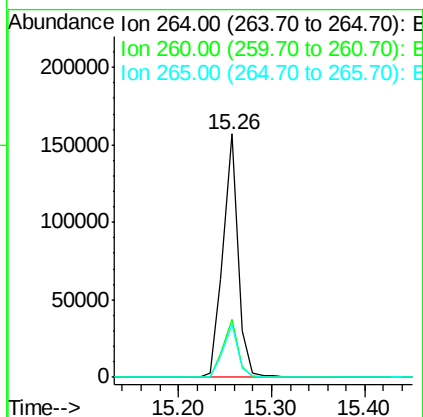
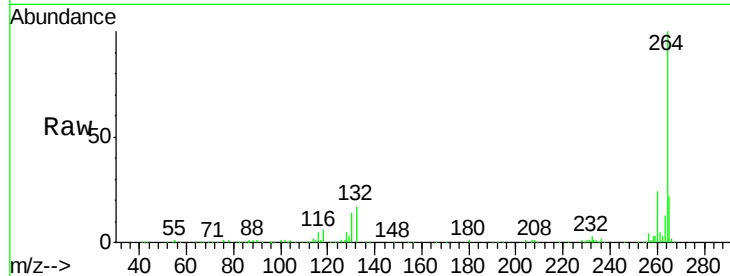




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.26 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BF088753.D
Acq: 7 Jul 2016 00:25

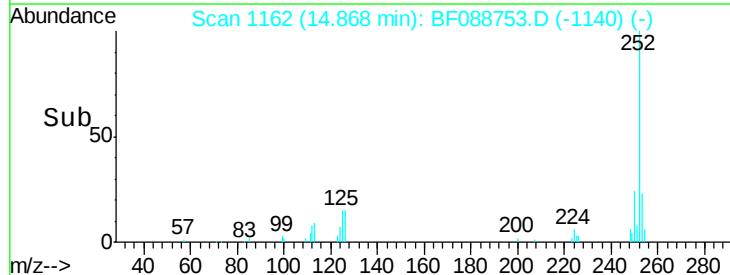
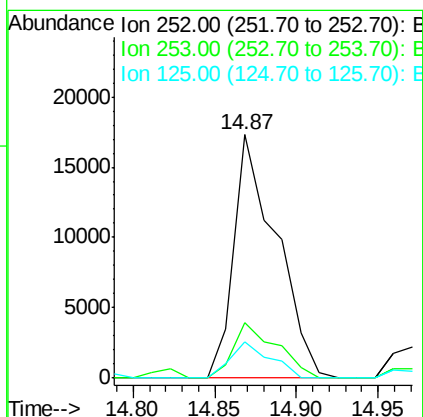
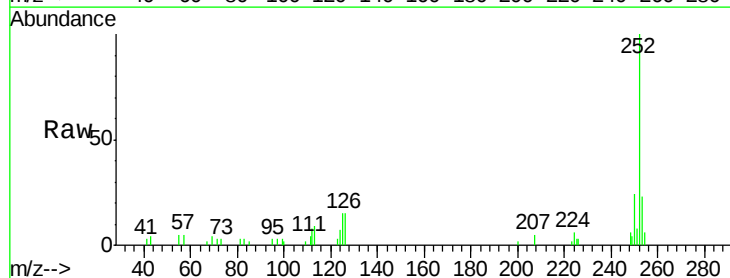
Instrument :
BNA_F
ClientSampleId :
P-1

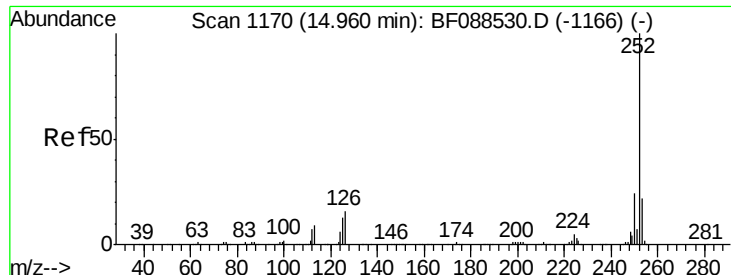
Tgt Ion:264 Resp: 177758
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.6 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.80 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.05 min
Lab File: BF088753.D
Acq: 7 Jul 2016 00:25

Tgt Ion:252 Resp: 31236
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 14.9 7.1 10.7#





#88
 Benzo(k)fluoranthene
 Concen: 3.22 ng
 RT: 14.87 min Scan# 1162
 Delta R.T. -0.08 min
 Lab File: BF088753.D
 Acq: 7 Jul 2016 00:25

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Tgt Ion:	252	Resp:	31236
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	14.9	11.2	16.8

