

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088560.D
 Acq On : 1 Jul 2016 6:09
 Operator : UM/SJ
 Sample : H3747-06
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

Quant Time: Jul 01 06:46:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	139381	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	558072	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	230258	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	371640	20.00	ng	0.00
75) Chrysene-d12	13.95	240	275272	20.00	ng	0.00
86) Perylene-d12	15.36	264	272557	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	777091	83.56	ng	0.01
7) Phenol-d6	6.46	99	1205570	100.32	ng	0.01
23) Nitrobenzene-d5	7.38	82	722127	67.81	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	174732	81.72	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	1053131	72.25	ng	0.00
78) Terphenyl-d14	12.91	244	648115	52.44	ng	0.00

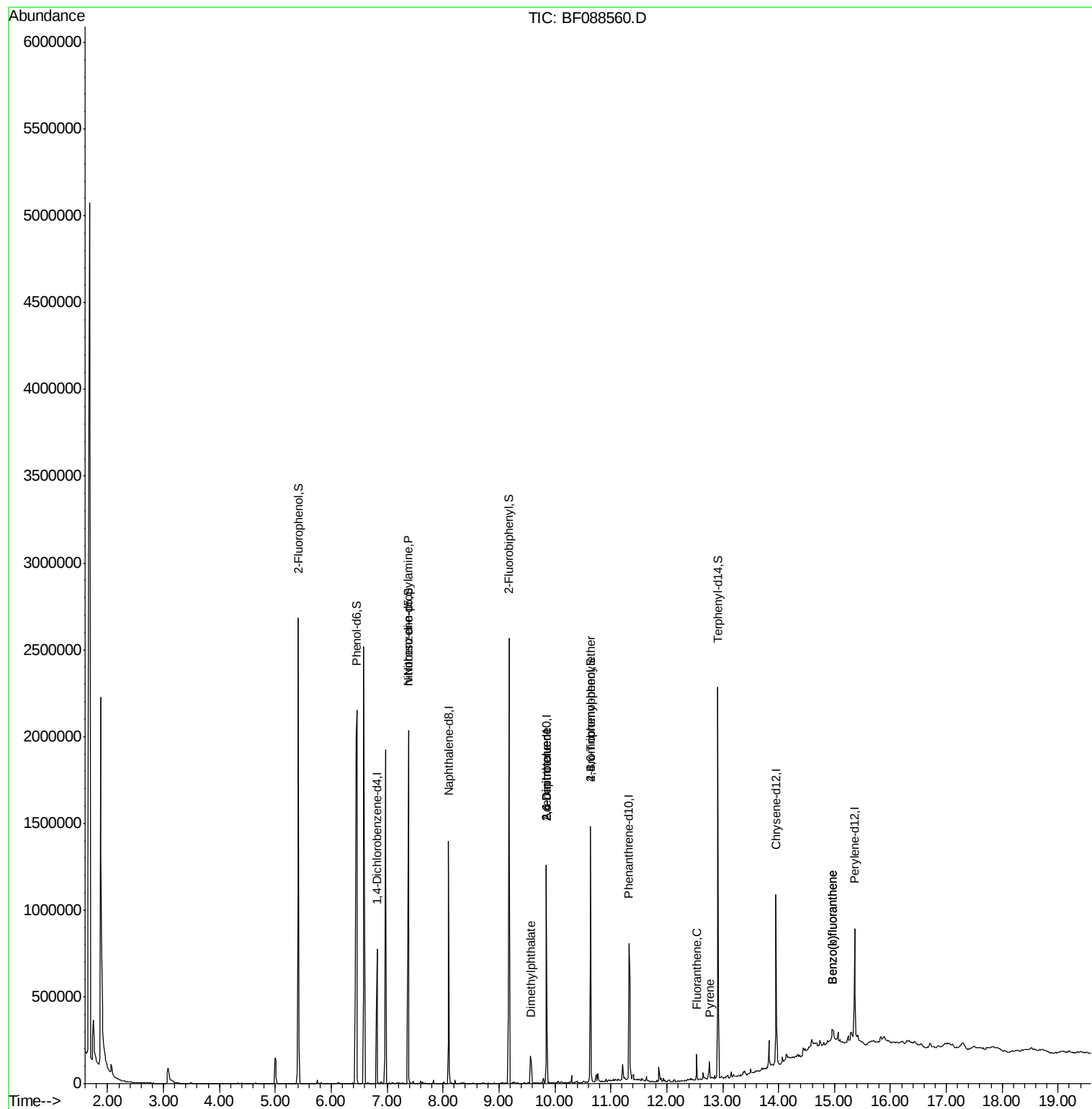
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	98695	12.23	ng	# 73
49) Dimethylphthalate	9.58	163	86798	5.29	ng	98
50) 2,6-Dinitrotoluene	9.85	165	29688	8.17	ng	# 40
56) 2,4-Dinitrotoluene	9.85	165	29691	6.25	ng	# 38
66) 4-Bromophenyl-phenylether	10.64	248	12437	3.32	ng	# 1
74) Fluoranthene	12.54	202	54322	2.64	ng	98
77) Pyrene	12.77	202	47055	2.02	ng	98
87) Benzo(b)fluoranthene	14.96	252	42123	2.46	ng	# 80
88) Benzo(k)fluoranthene	14.96	252	42123	2.83	ng	# 83

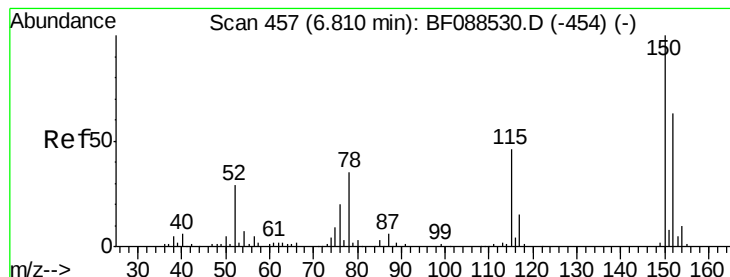
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.01 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C

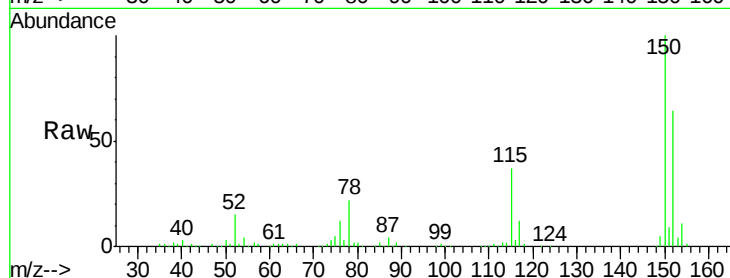
Tgt Ion:152 Resp: 139381

Ion Ratio Lower Upper

152 100

150 155.3 123.8 185.6

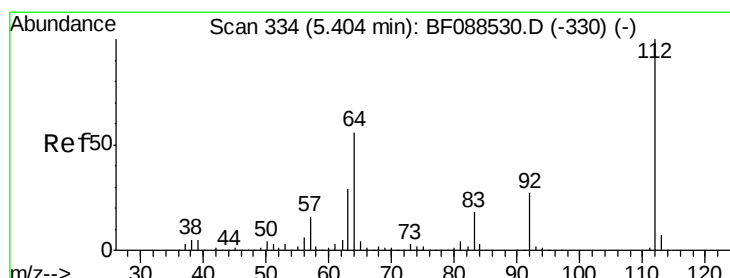
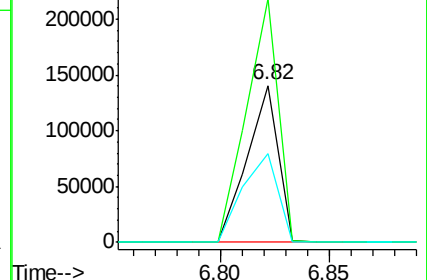
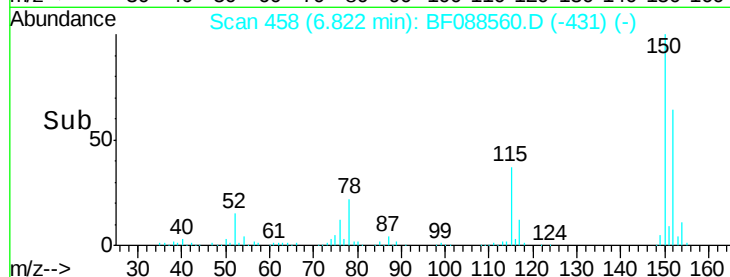
115 56.8 39.6 59.4



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: 83.56 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.01 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

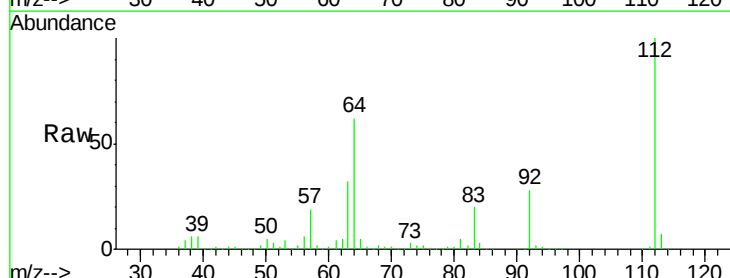
Tgt Ion:112 Resp: 777091

Ion Ratio Lower Upper

112 100

64 61.5 42.2 63.2

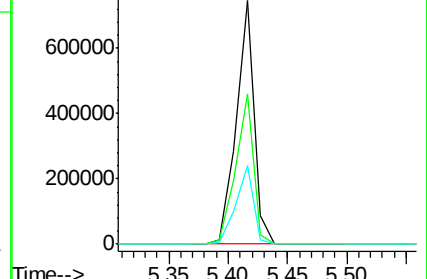
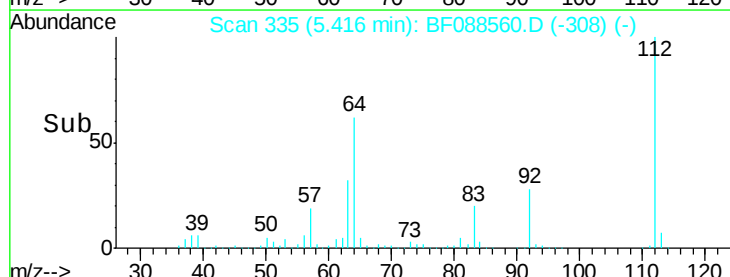
63 32.1 21.8 32.8

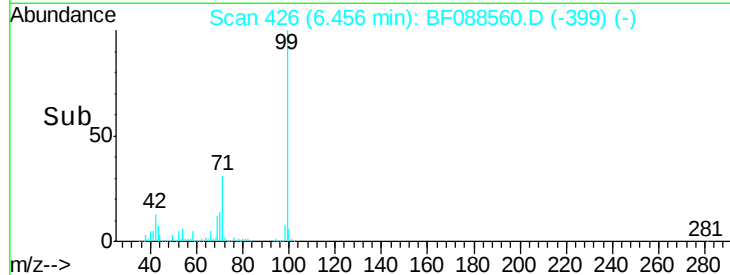
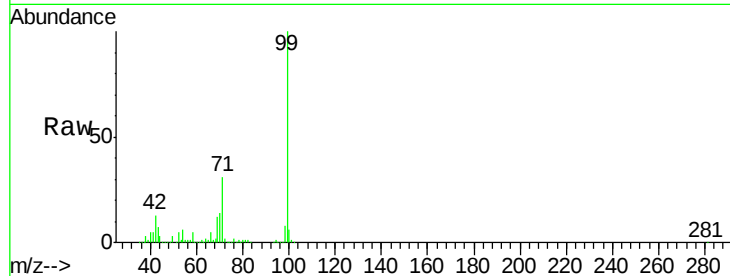


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.32 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Instrument :

BNA_F

ClientSampled :

C9-B2(0-6)C

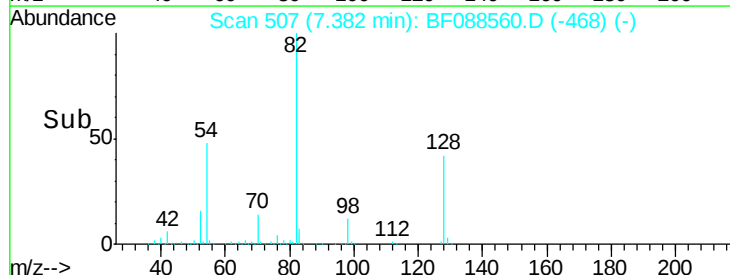
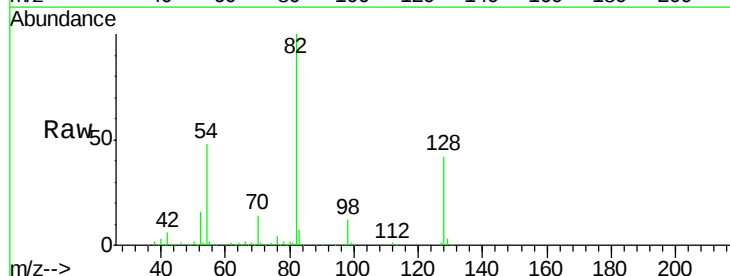
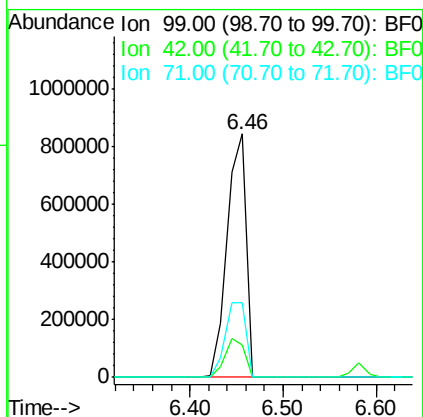
Tgt Ion: 99 Resp: 1205570

Ion Ratio Lower Upper

99 100

42 13.3 12.2 18.2

71 30.6 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.23 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.15 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Tgt Ion: 70 Resp: 98695

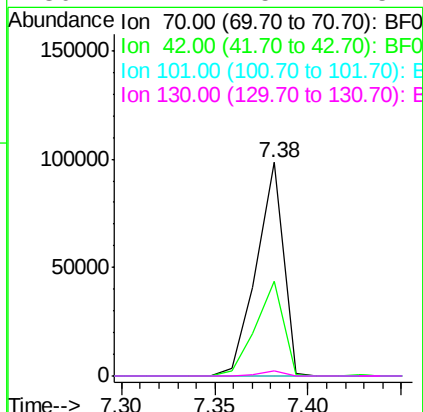
Ion Ratio Lower Upper

70 100

42 44.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

Instrument :

BNA_F

ClientSampleId :

C9-B2(0-6)C

Tgt Ion:136 Resp: 558072

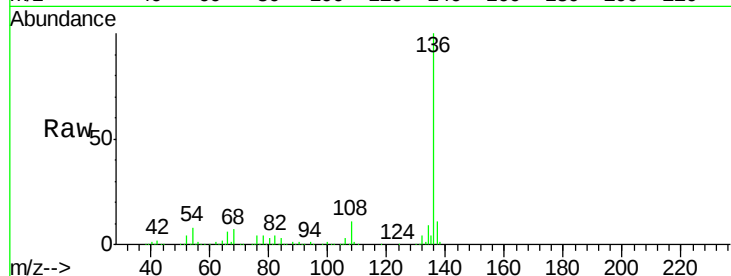
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.3 6.6 10.0

68 7.2 5.1 7.7

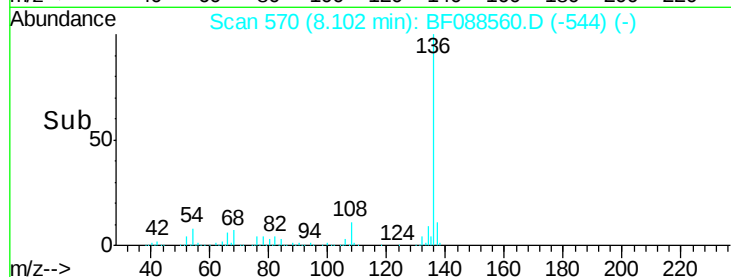


Abundance Ion 136.00 (135.70 to 136.70): E

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



Time--> 8.00 8.05 8.10 8.15 8.20



#23

Nitrobenzene-d5

Concen: 67.81 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF088560.D

Acq: 1 Jul 2016 6:09

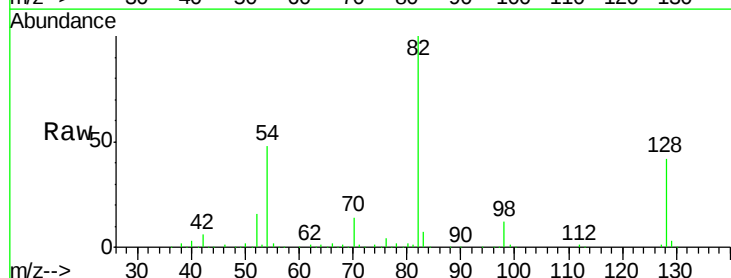
Tgt Ion: 82 Resp: 722127

Ion Ratio Lower Upper

82 100

128 42.0 35.9 53.9

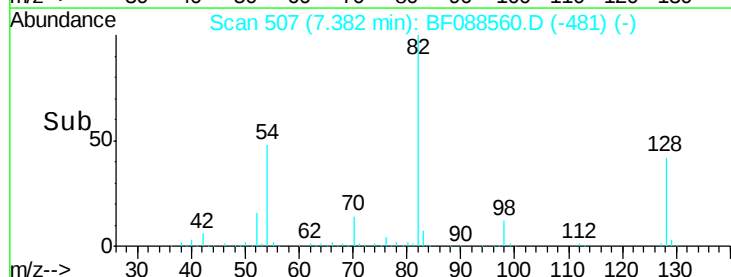
54 48.4 40.9 61.3



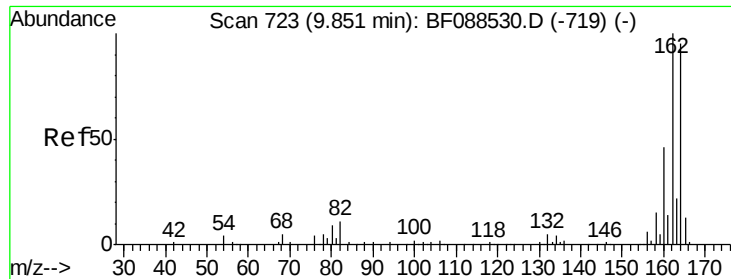
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



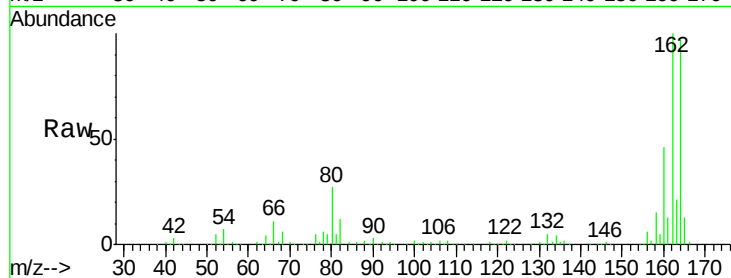
Time--> 7.30 7.35 7.40 7.45



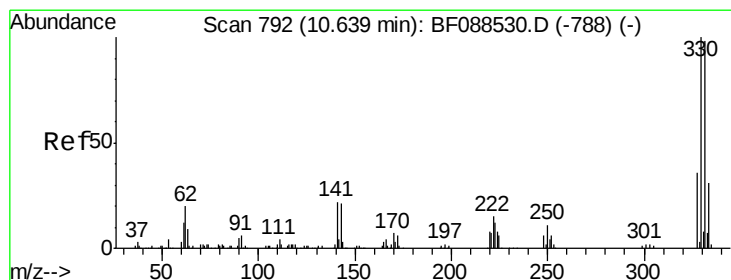
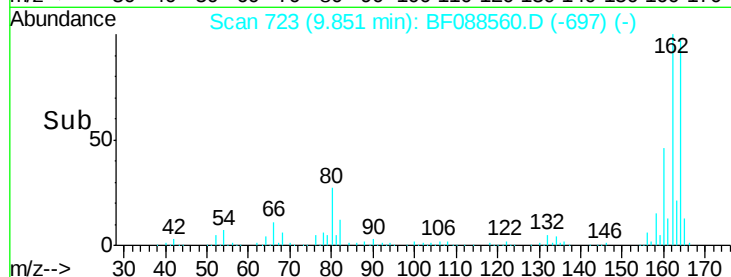
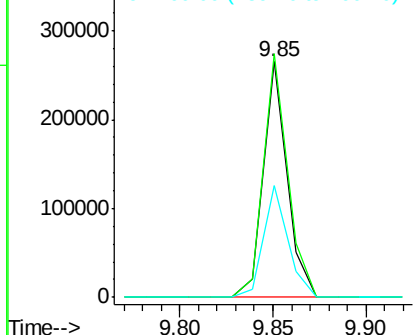
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

Tgt Ion:164 Resp: 230258
 Ion Ratio Lower Upper
 164 100
 162 103.4 85.4 128.2
 160 47.6 39.5 59.3

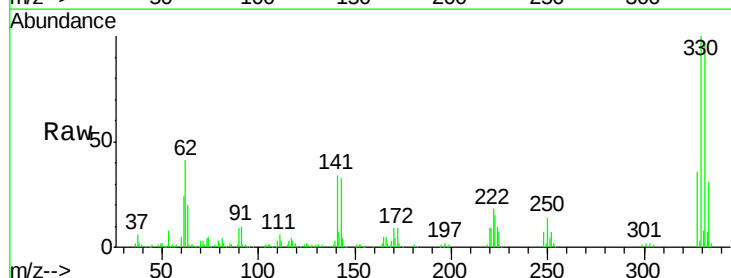


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

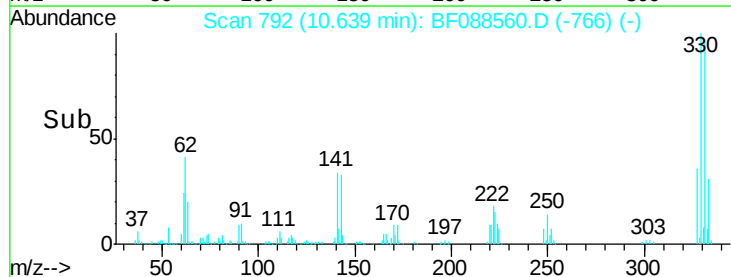
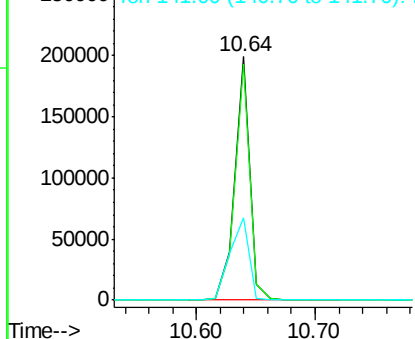


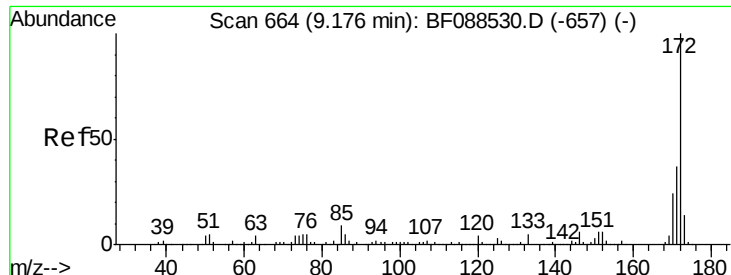
#41
 2,4,6-Tribromophenol
 Concen: 81.72 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

Tgt Ion:330 Resp: 174732
 Ion Ratio Lower Upper
 330 100
 332 96.7 0.0 0.0#
 141 42.9 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

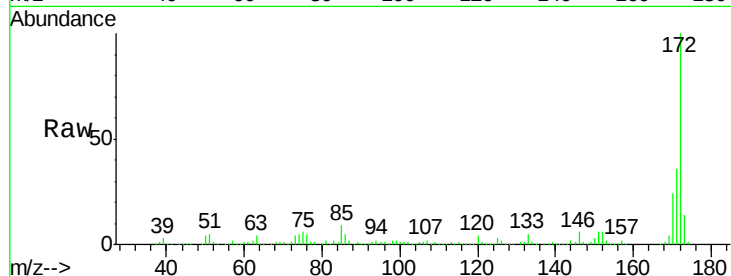




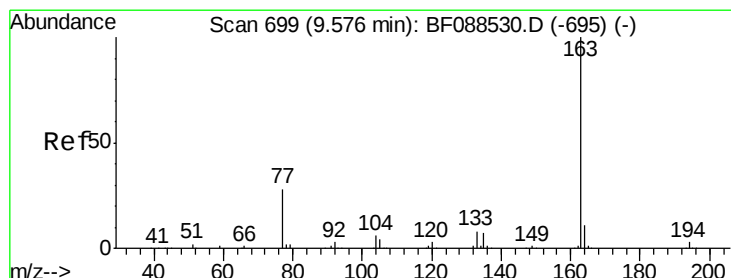
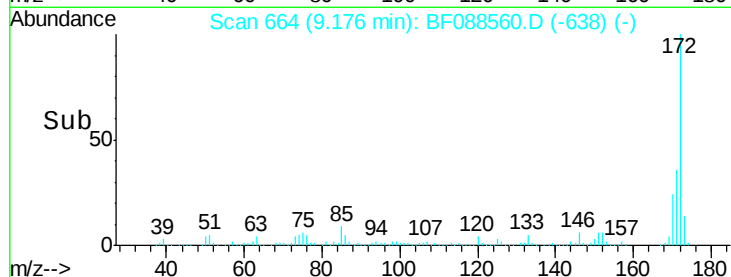
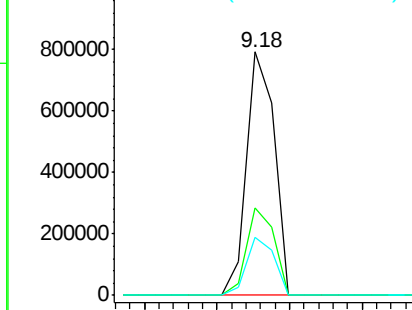
#44
2-Fluorobiphenyl
Concen: 72.25 ng
RT: 9.18 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF088560.D
Acq: 1 Jul 2016 6:09

Instrument :
BNA_F
ClientSampleId :
C9-B2(0-6)C

Tgt Ion:172 Resp: 1053131
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.0 19.2 28.8

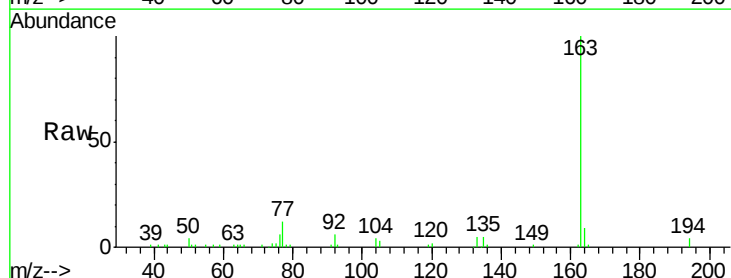


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

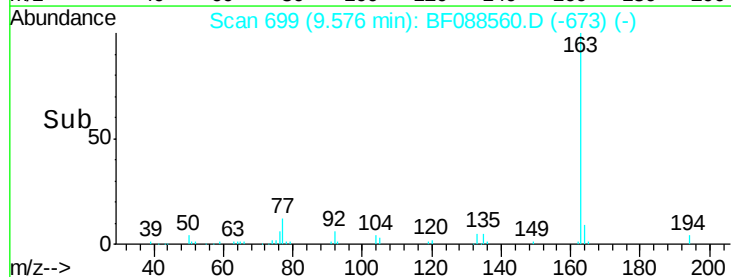
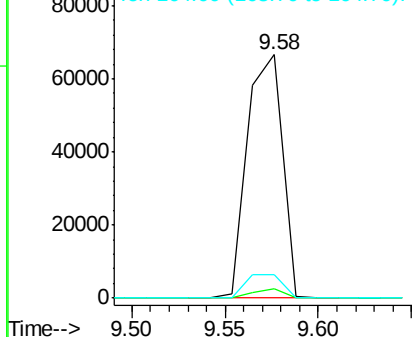


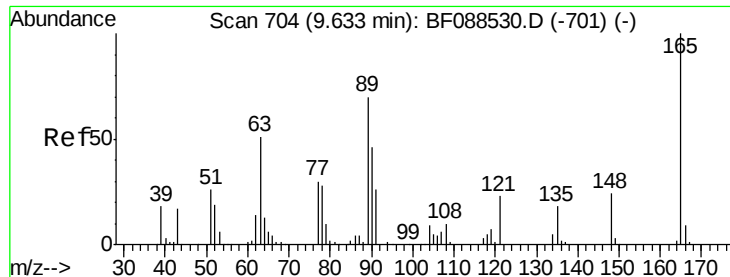
#49
Dimethylphthalate
Concen: 5.29 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF088560.D
Acq: 1 Jul 2016 6:09

Tgt Ion:163 Resp: 86798
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 9.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

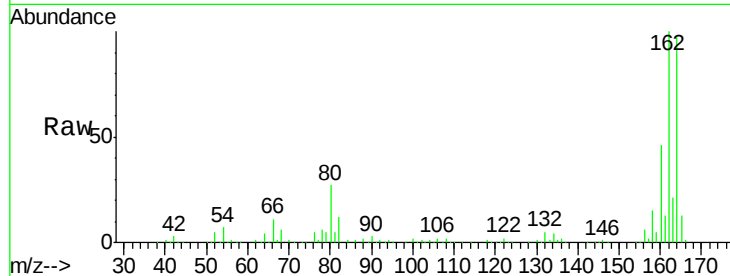




#50
 2,6-Dinitrotoluene
 Concen: 8.17 ng
 RT: 9.85 min Scan# 723
 Delta R.T. 0.22 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

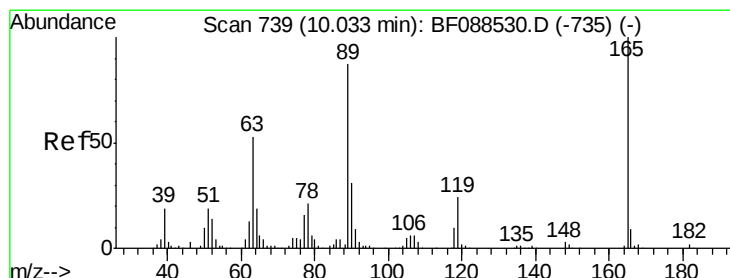
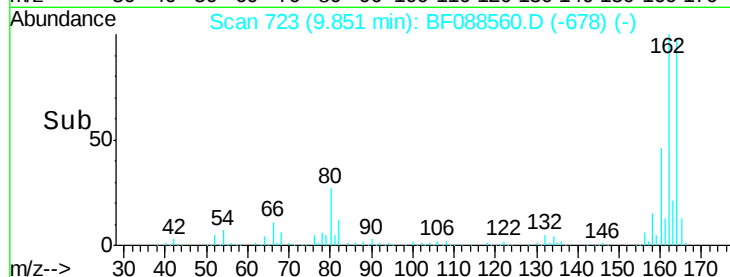
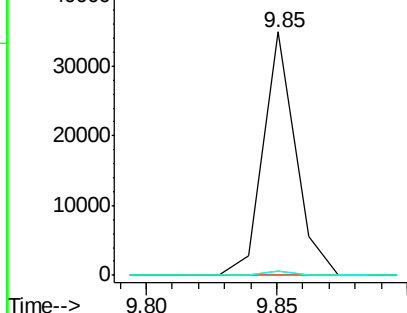
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	28.1	42.1#
89	1.6	32.2	48.2#



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: 6.25 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.18 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

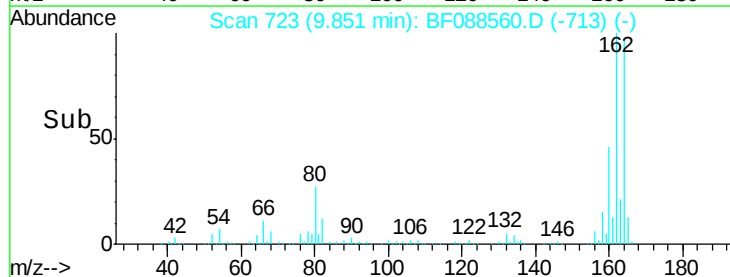
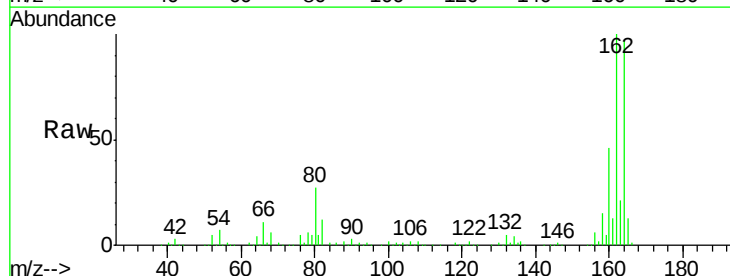
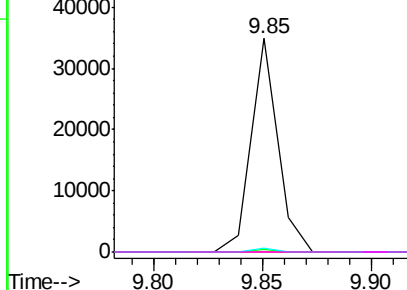
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	22.0	33.0#
89	1.6	41.1	61.7#
182	0.0	2.0	3.0#

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

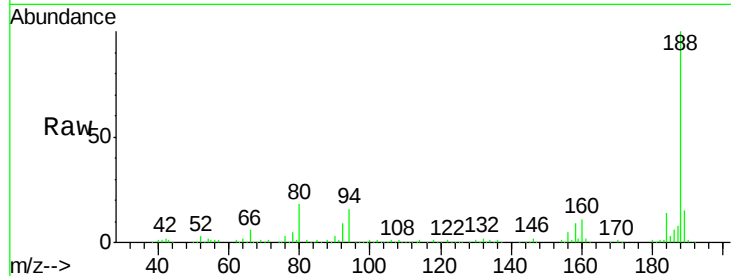




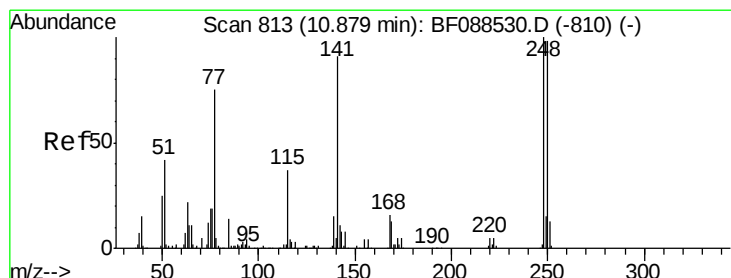
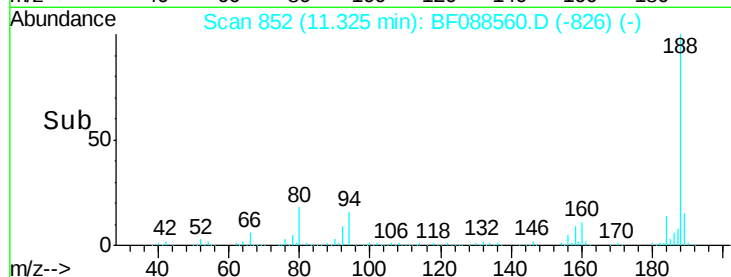
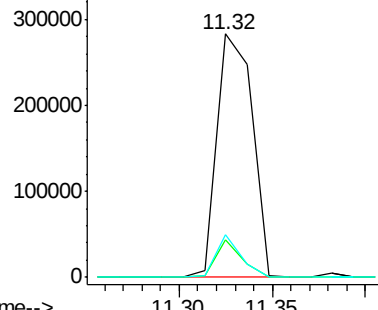
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF088560.D
Acq: 1 Jul 2016 6:09

Instrument :
BNA_F
ClientSampleId :
C9-B2(0-6)C

Tgt Ion:188 Resp: 371640
Ion Ratio Lower Upper
188 100
94 15.5 9.0 13.6#
80 17.7 10.0 15.0#

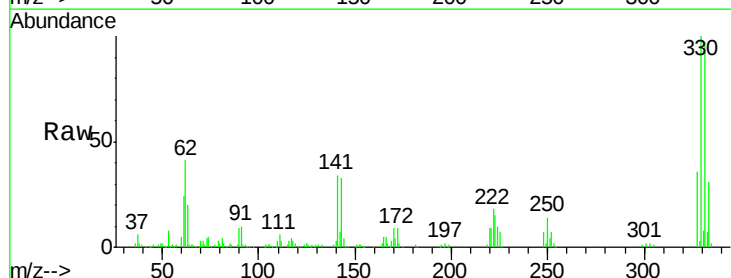


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

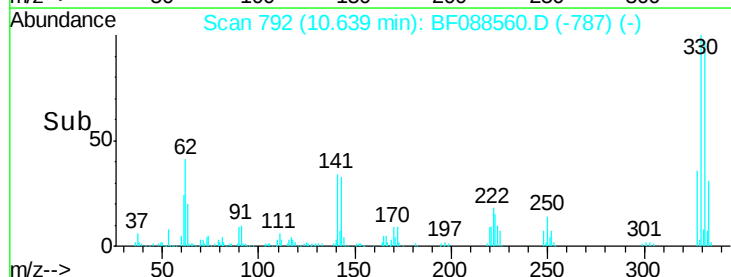
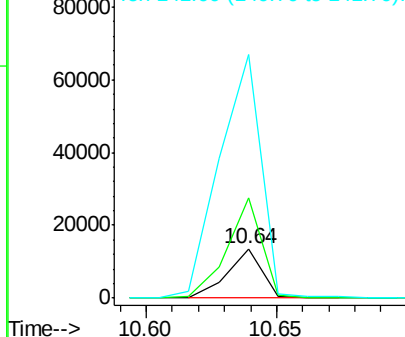


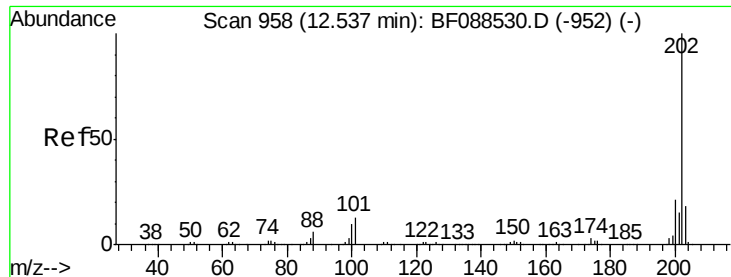
#66
4-Bromophenyl-phenylether
Concen: 3.32 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.24 min
Lab File: BF088560.D
Acq: 1 Jul 2016 6:09

Tgt Ion:248 Resp: 12437
Ion Ratio Lower Upper
248 100
250 203.1 77.1 115.7#
141 492.6 50.6 76.0#



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

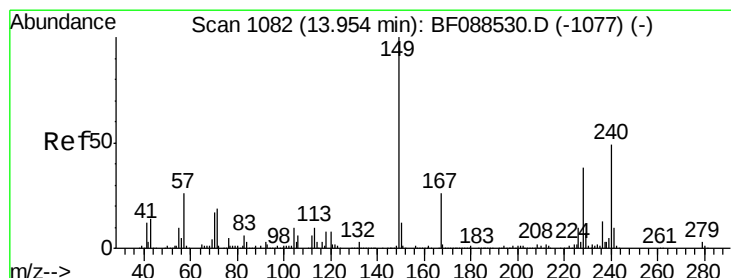
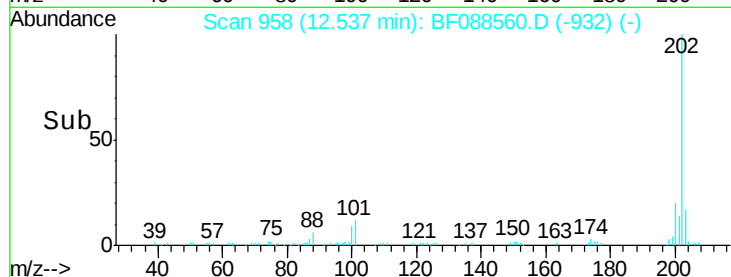
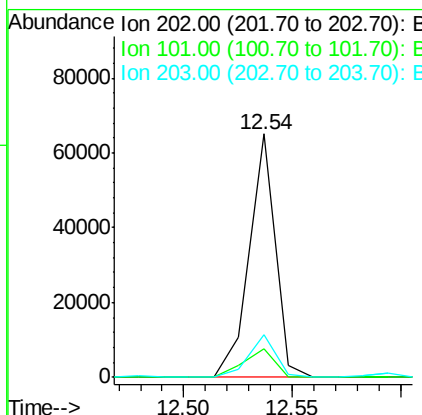
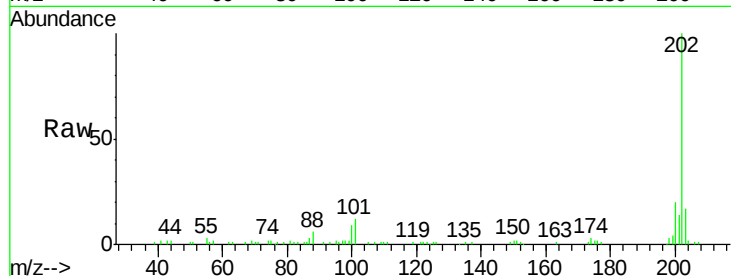




#74
 Fluoranthene
 Concen: 2.64 ng
 RT: 12.54 min Scan# 958
 Delta R.T. 0.00 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

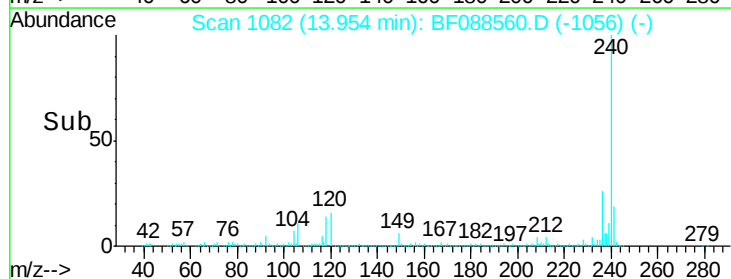
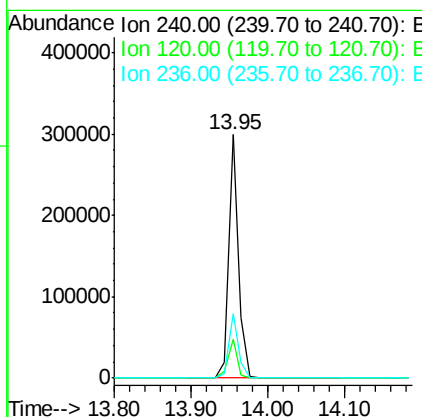
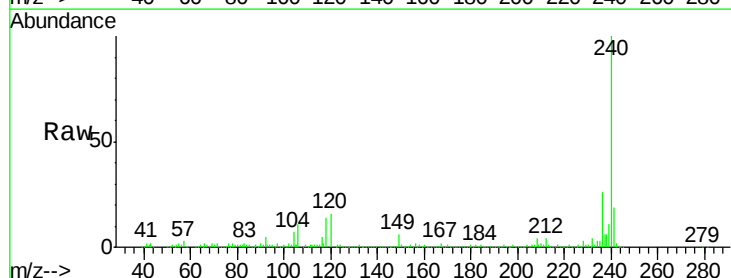
Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

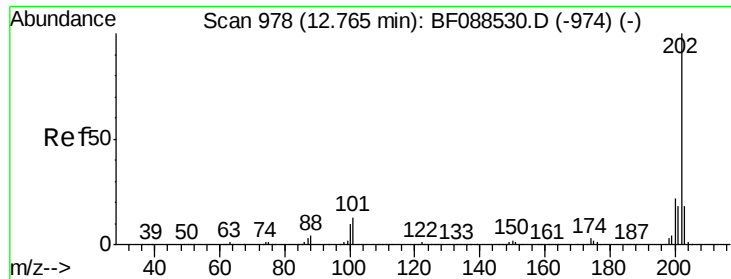
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.1
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.95 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	6.8	10.2#
236	26.2	20.2	30.2

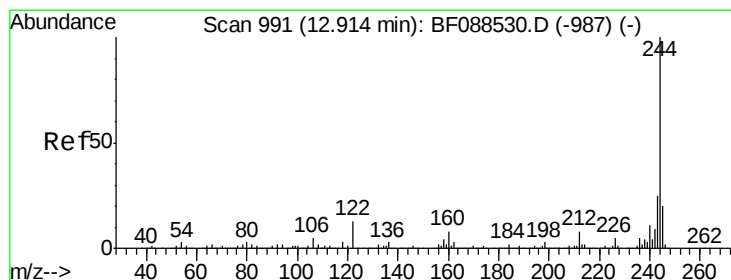
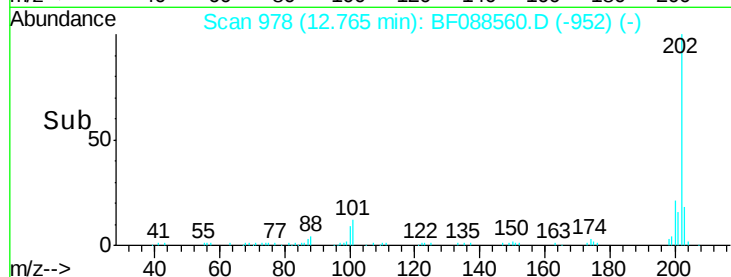
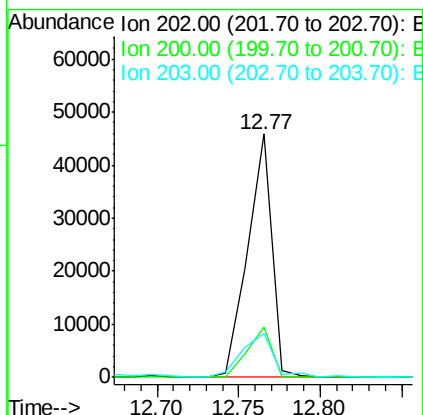
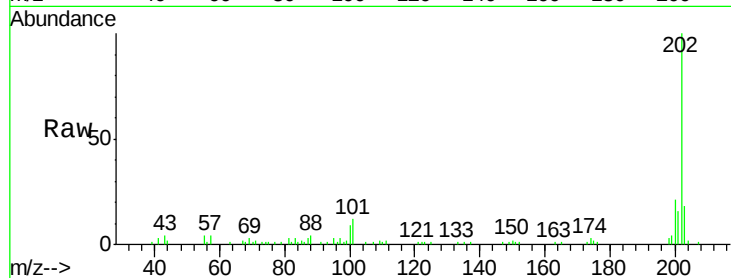




#77
 Pyrene
 Concen: 2.02 ng
 RT: 12.77 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

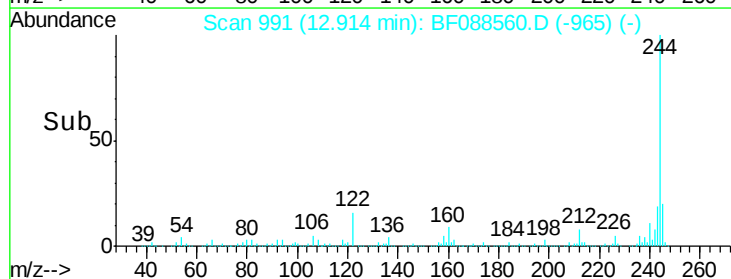
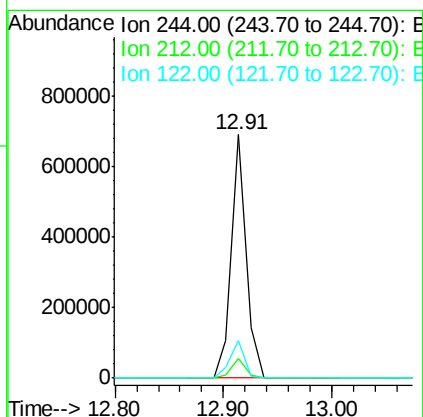
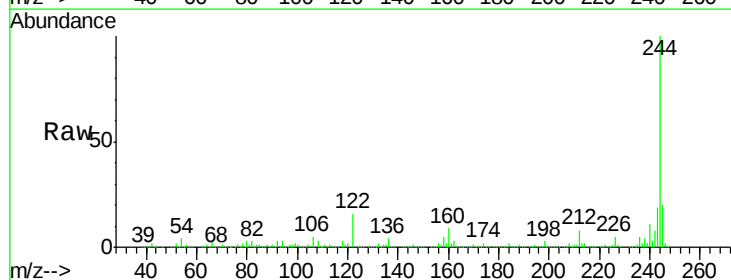
Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

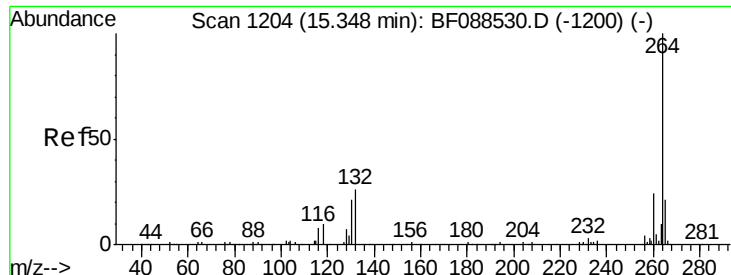
Tgt Ion: 202 Resp: 47055
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.4 26.2
 203 17.8 14.5 21.7



#78
 Terphenyl-d14
 Concen: 52.44 ng
 RT: 12.91 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

Tgt Ion: 244 Resp: 648115
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 15.6 11.2 16.8

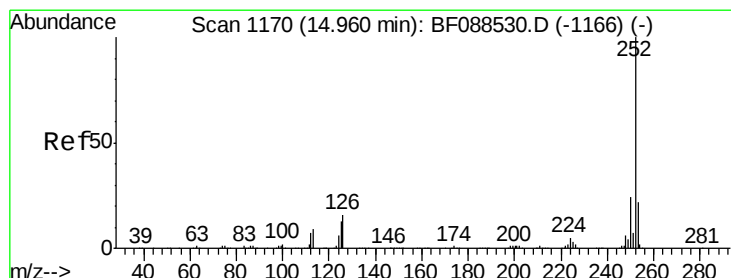
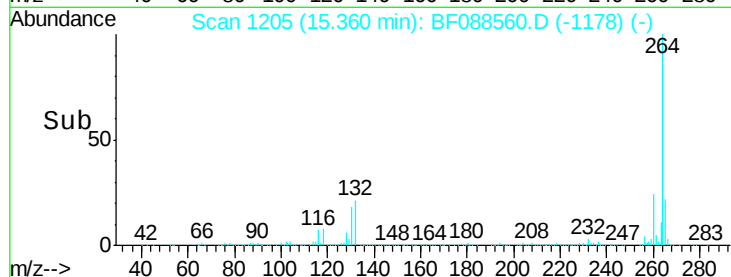
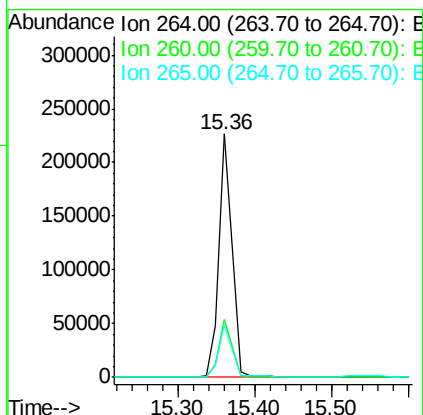
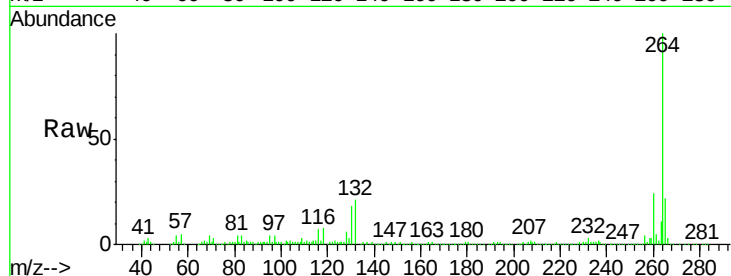




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF088560.D
Acq: 1 Jul 2016 6:09

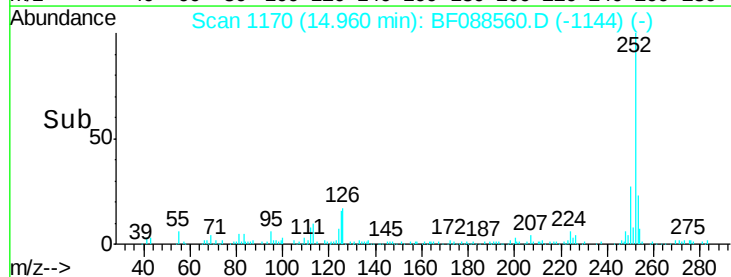
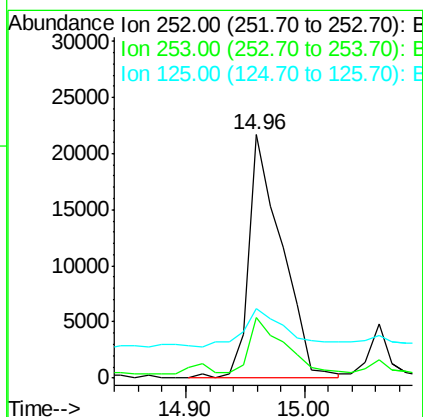
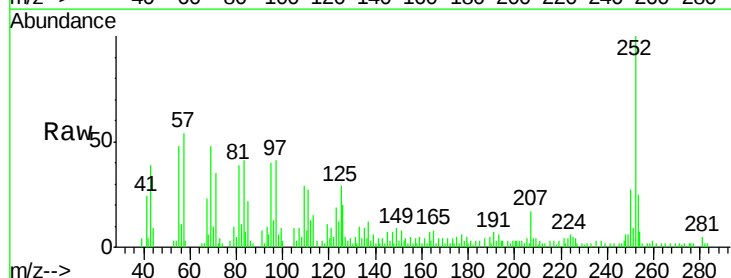
Instrument :
BNA_F
ClientSampleId :
C9-B2(0-6)C

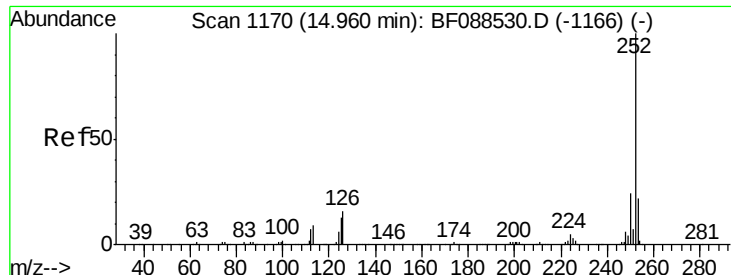
Tgt Ion: 264 Resp: 272557
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.8 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.46 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF088560.D
Acq: 1 Jul 2016 6:09

Tgt Ion: 252 Resp: 42123
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 28.7 7.1 10.7#

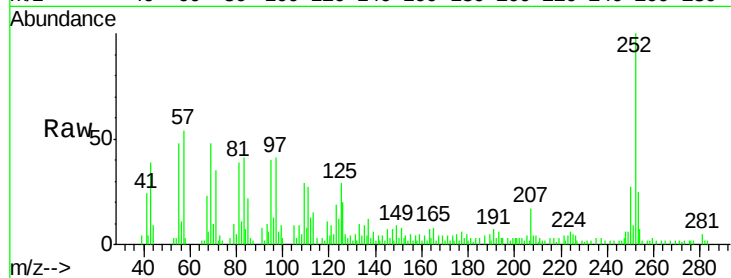




#88
 Benzo(k)fluoranthene
 Concen: 2.83 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.02 min
 Lab File: BF088560.D
 Acq: 1 Jul 2016 6:09

Instrument :
 BNA_F
 ClientSampleId :
 C9-B2(0-6)C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	28.7	11.2	16.8



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

