

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
 Data File : BF088147.D
 Acq On : 18 Jun 2016 21:30
 Operator : UM/SJ
 Sample : H3580-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 08-B5(8-16)C

Quant Time: Jun 19 07:51:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 17 16:09:13 2016
 Response via : Initial Calibration

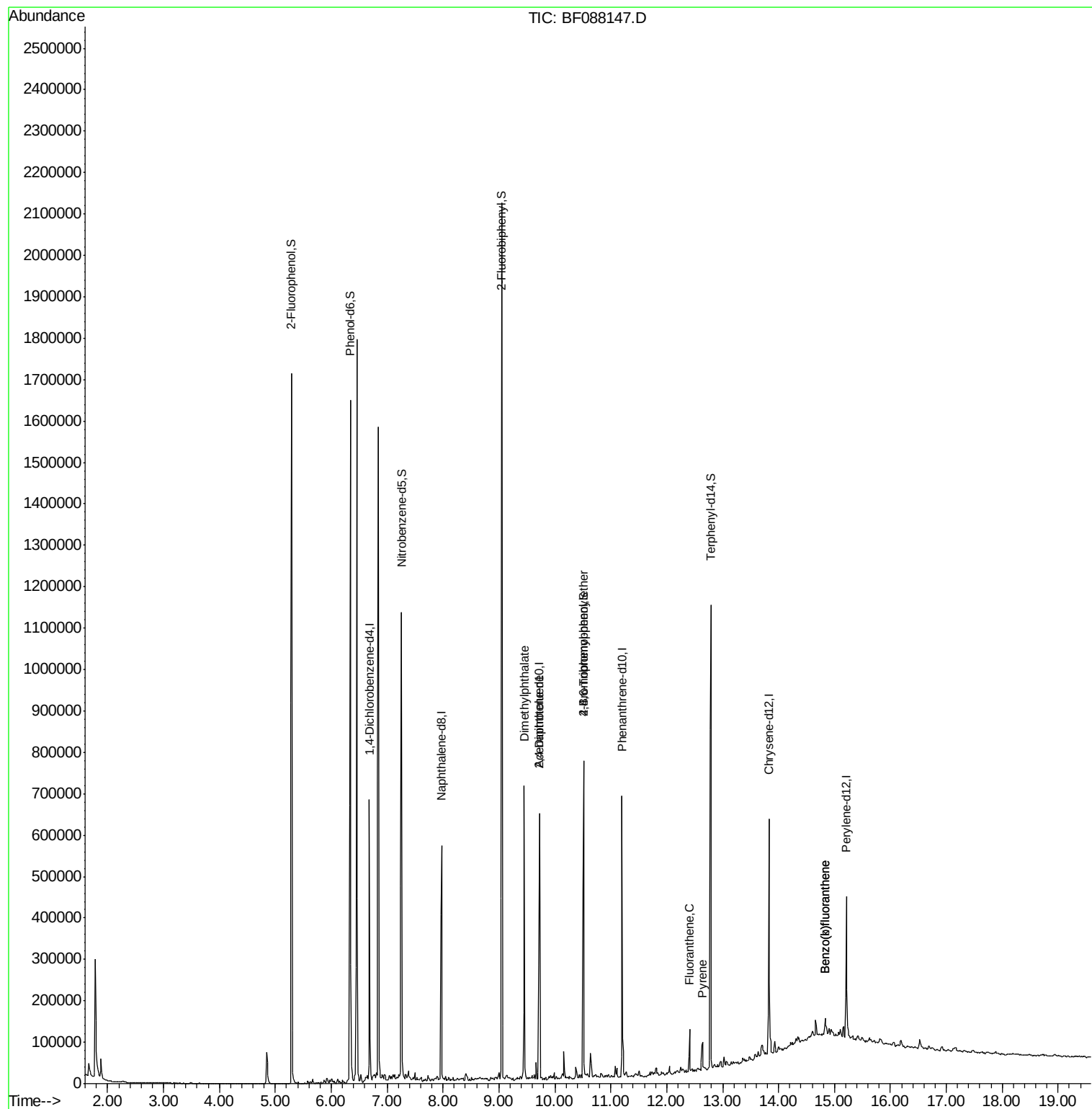
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	98469	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	353517	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	139368	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	228445	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	185013	20.00	ng	-0.02
86) Perylene-d12	15.21	264	139783	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	604098	104.88	ng	0.01
7) Phenol-d6	6.34	99	635841	91.09	ng	-0.01
23) Nitrobenzene-d5	7.26	82	404076	66.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	113920	77.41	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	634133	70.54	ng	-0.02
78) Terphenyl-d14	12.79	244	459662	56.54	ng	-0.01
Target Compounds						
10) Phenol	6.35	94	8555	Below Cal	#	51
45) 1,1'-Biphenyl	9.15	154	540	Below Cal		90
49) Dimethylphthalate	9.45	163	289439	28.67	ng	99
56) 2,4-Dinitrotoluene	9.72	165	18172	6.12	ng	# 36
57) Fluorene	10.27	166	1456	Below Cal	#	84
66) 4-Bromophenyl-phenylether	10.51	248	8007	3.27	ng	# 1
74) Fluoranthene	12.41	202	43063	3.40	ng	95
77) Pyrene	12.64	202	39099	2.85	ng	97
87) Benzo(b)fluoranthene	14.83	252	23364	2.40	ng	# 85
88) Benzo(k)fluoranthene	14.83	252	23364	3.18	ng	# 89

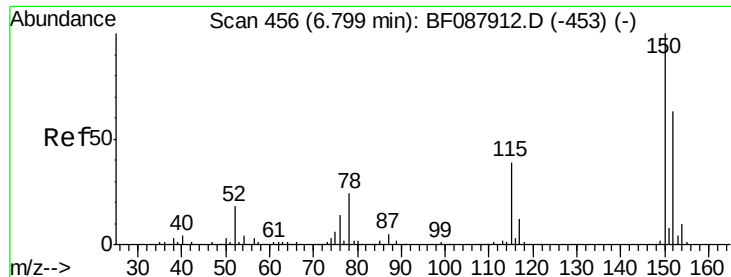
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061816\
Data File : BF088147.D
Acq On : 18 Jun 2016 21:30
Operator : UM/SJ
Sample : H3580-13
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
08-B5(8-16)C

Quant Time: Jun 19 07:51:33 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 17 16:09:13 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

Instrument :

BNA_F

ClientSampleId :

08-B5(8-16)C

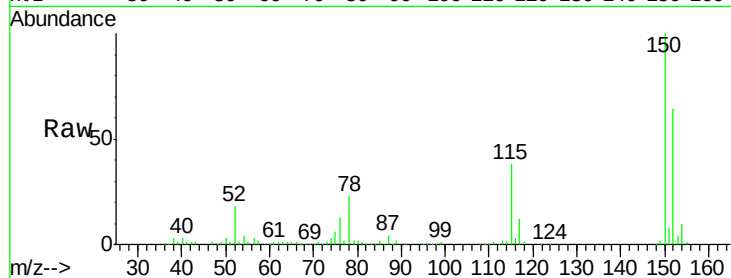
Tgt Ion:152 Resp: 98469

Ion Ratio Lower Upper

152 100

150 156.8 123.8 185.6

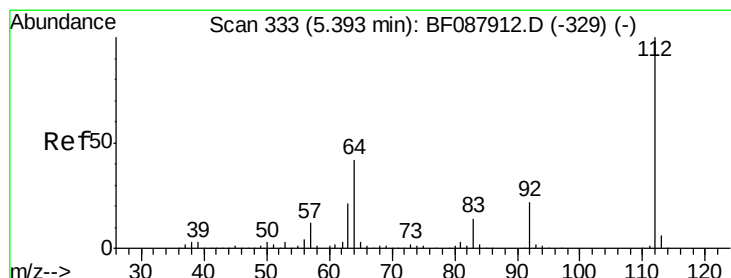
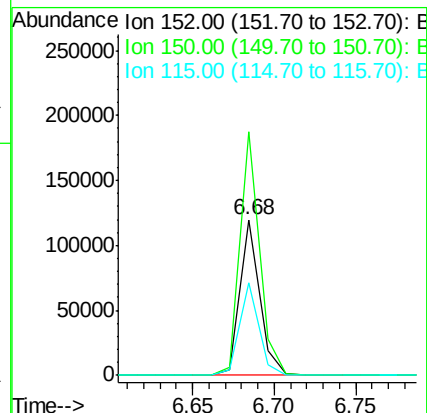
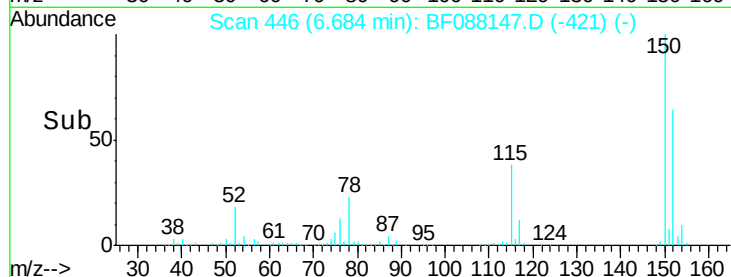
115 59.8 39.6 59.4#



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: 104.88 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

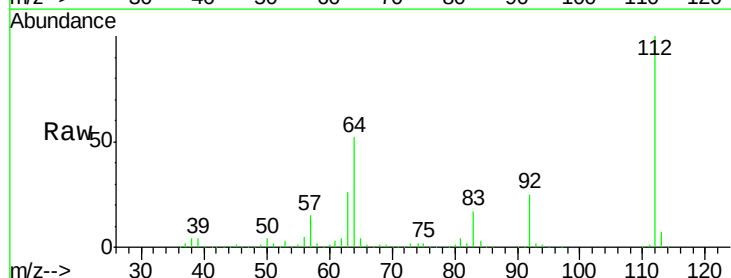
Tgt Ion:112 Resp: 604098

Ion Ratio Lower Upper

112 100

64 51.5 42.2 63.2

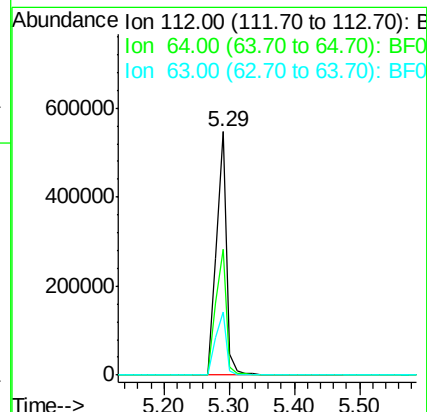
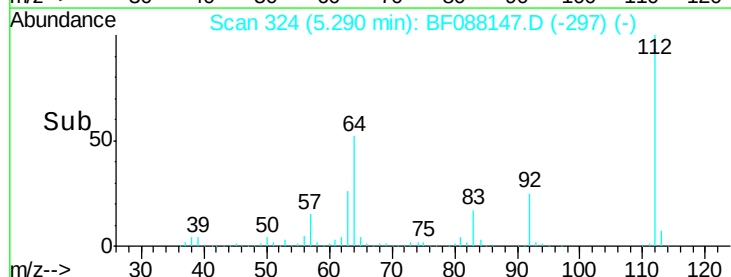
63 26.1 21.8 32.8

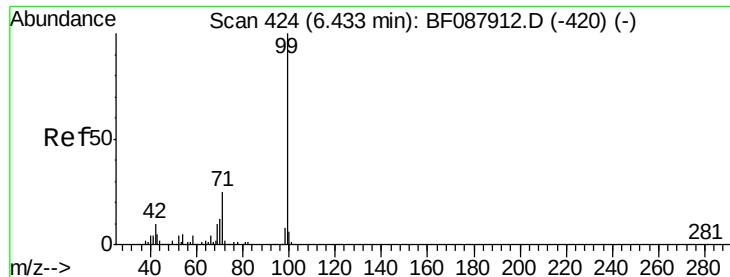


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.09 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

Instrument :

BNA_F

ClientSampleId :

08-B5(8-16)C

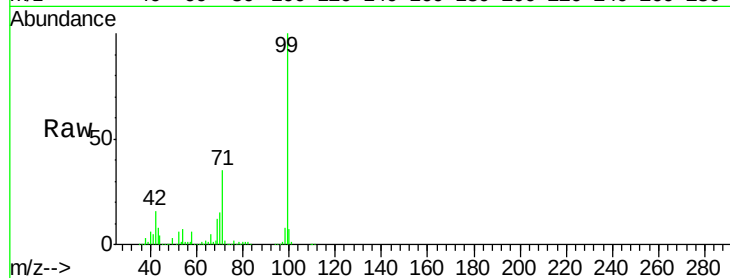
Tgt Ion: 99 Resp: 635841

Ion Ratio Lower Upper

99 100

42 16.0 12.2 18.2

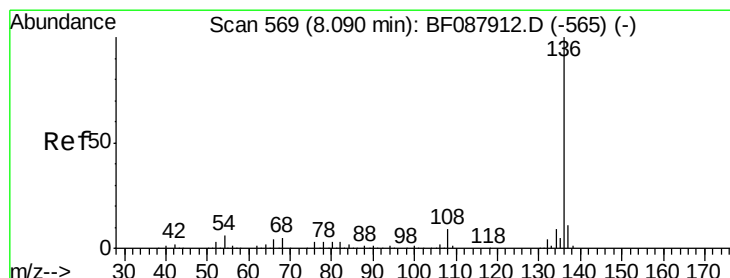
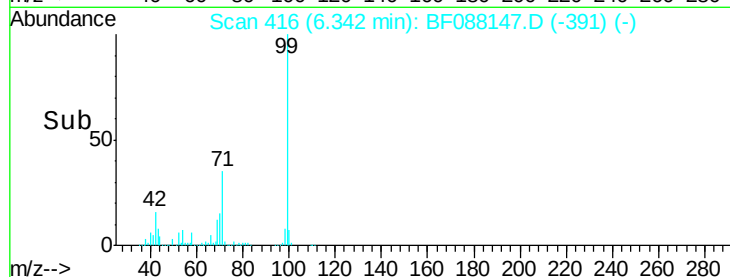
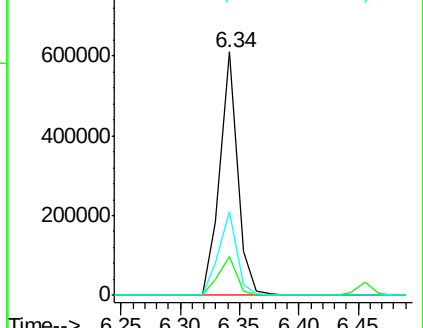
71 34.6 23.4 35.0



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: 7.98 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

Tgt Ion: 136 Resp: 353517

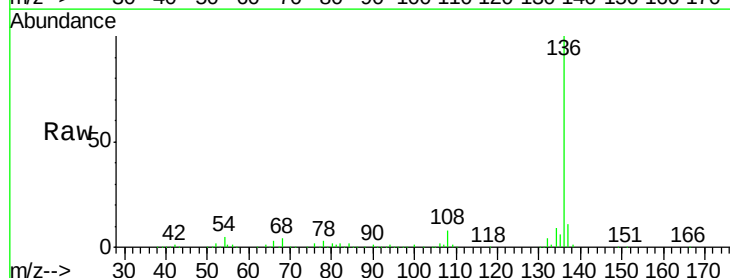
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 4.8 6.6 10.0#

68 4.3 5.1 7.7#

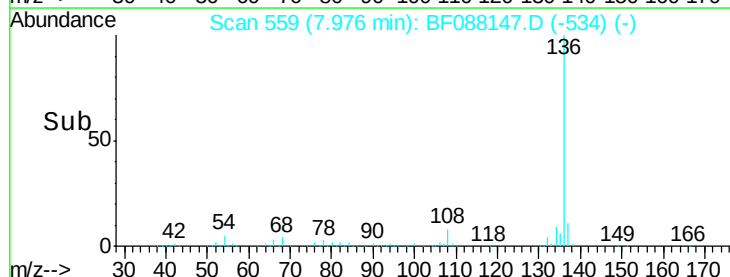
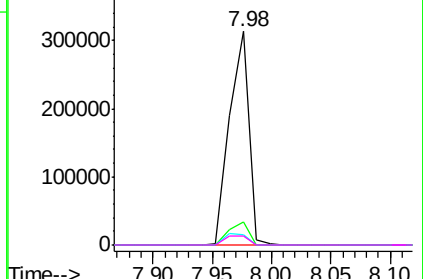


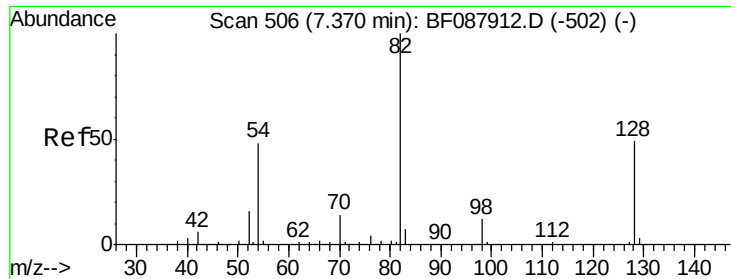
Abundance Ion 136.00 (135.70 to 136.70): E

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

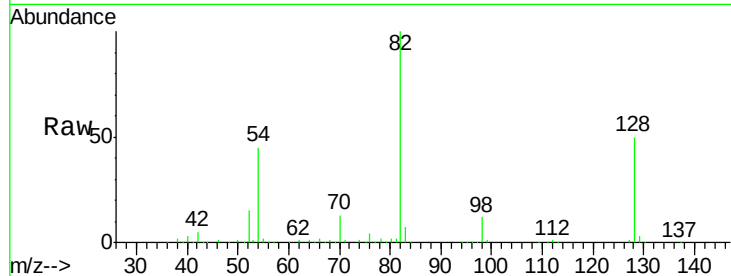




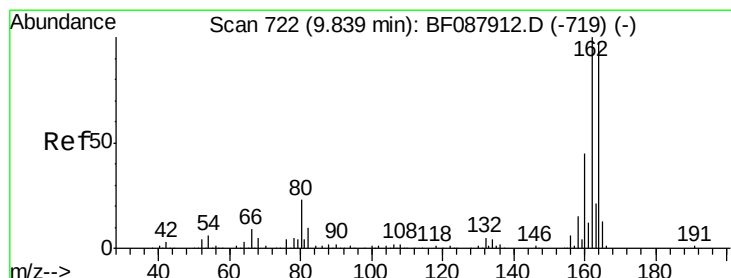
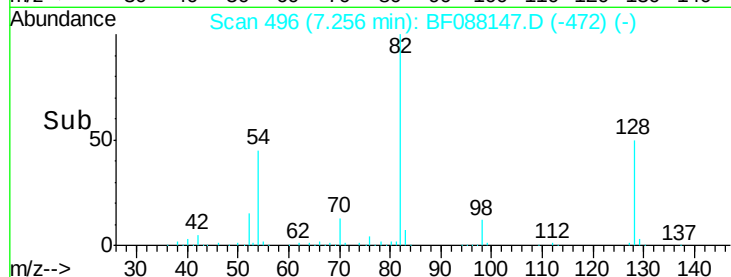
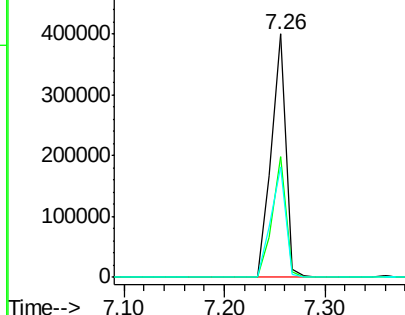
#23
Nitrobenzene-d5
Concen: 66.75 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF088147.D
Acq: 18 Jun 2016 21:30

Instrument :
BNA_F
ClientSampleId :
08-B5(8-16)C

Tgt Ion: 82 Resp: 404076
Ion Ratio Lower Upper
82 100
128 49.8 35.9 53.9
54 45.2 40.9 61.3

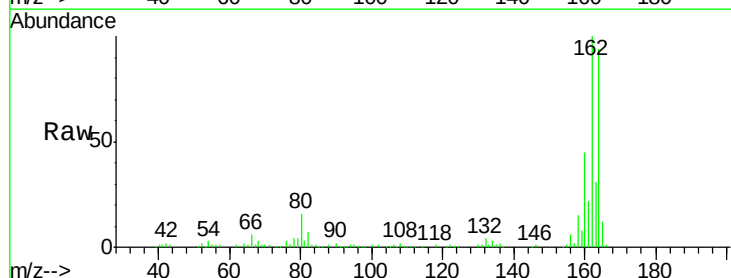


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

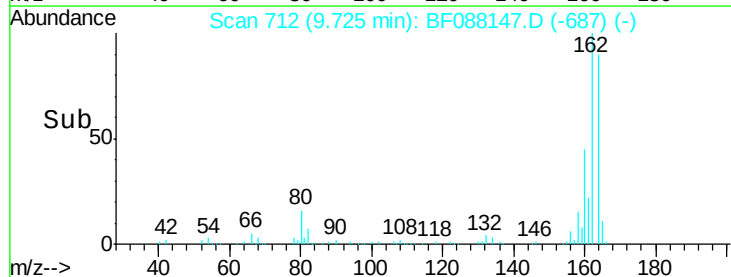
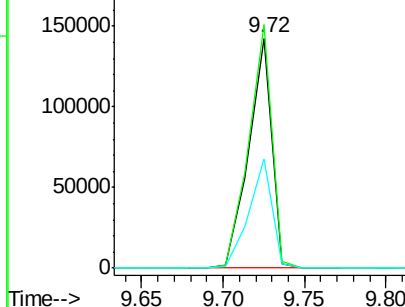


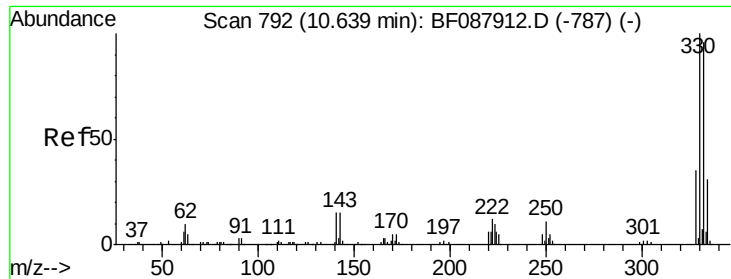
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF088147.D
Acq: 18 Jun 2016 21:30

Tgt Ion: 164 Resp: 139368
Ion Ratio Lower Upper
164 100
162 106.0 85.4 128.2
160 47.8 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

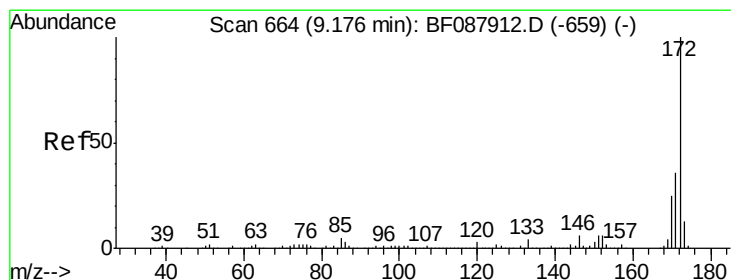
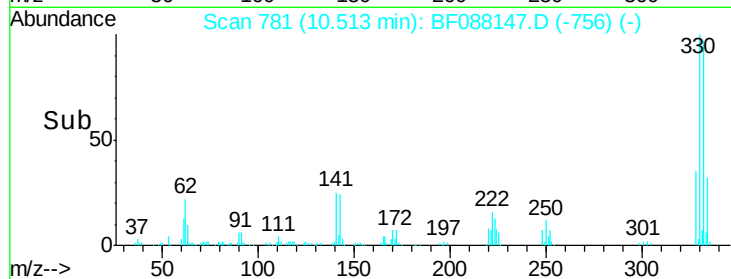
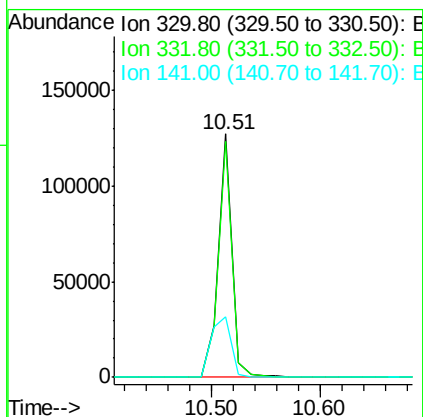
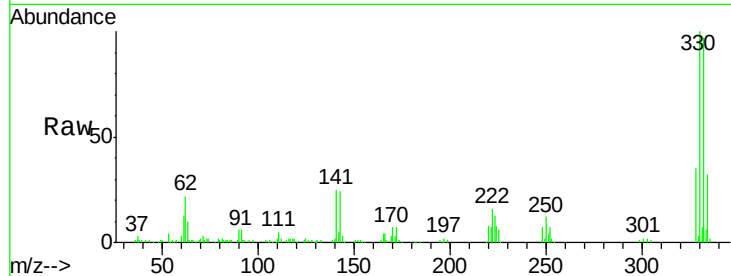




#41
 2,4,6-Tribromophenol
 Concen: 77.41 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF088147.D
 Acq: 18 Jun 2016 21:30

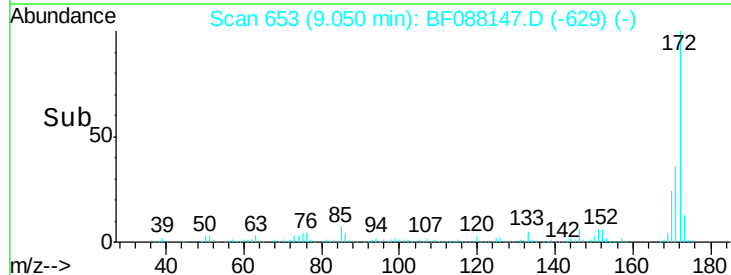
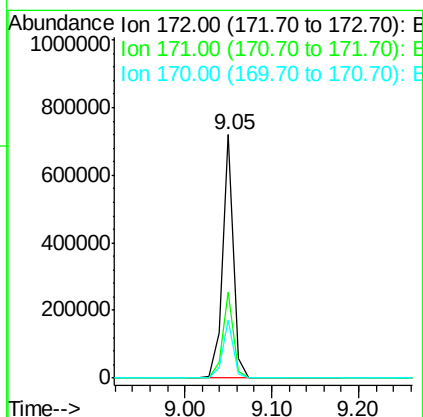
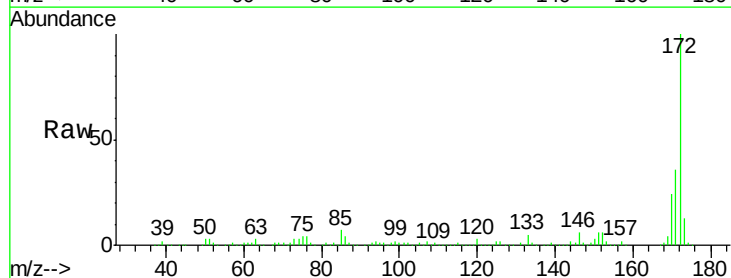
Instrument :
 BNA_F
 ClientSampleId :
 08-B5(8-16)C

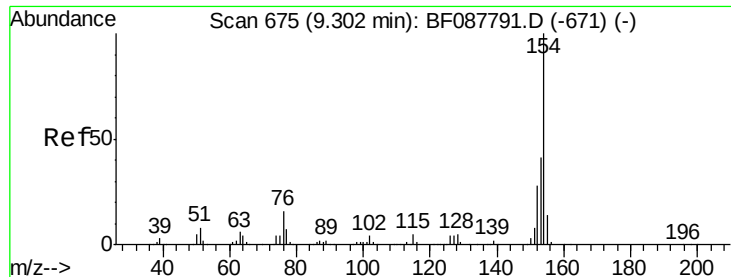
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	36.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 70.54 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF088147.D
 Acq: 18 Jun 2016 21:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	24.0	19.2	28.8





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.15 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

Instrument :

BNA_F

ClientSampleId :

08-B5(8-16)C

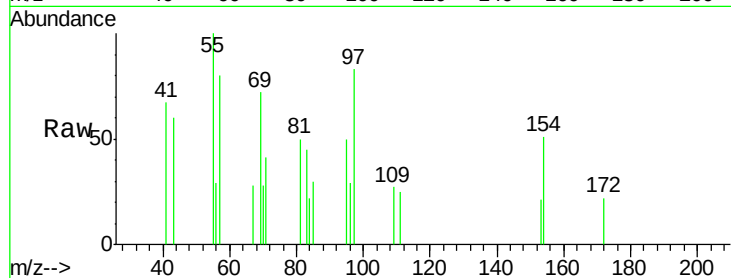
Tgt Ion:154 Resp: 540

Ion Ratio Lower Upper

154 100

153 40.1 20.6 60.6

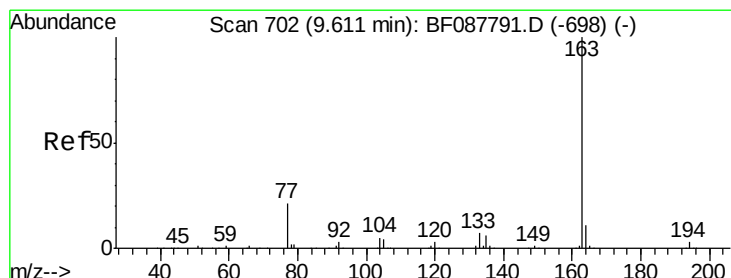
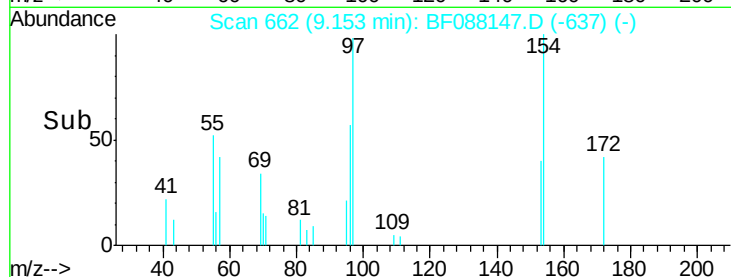
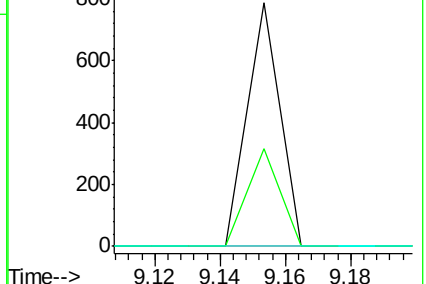
76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 28.67 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

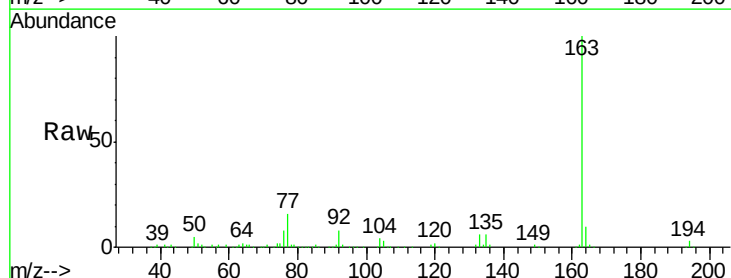
Tgt Ion:163 Resp: 289439

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

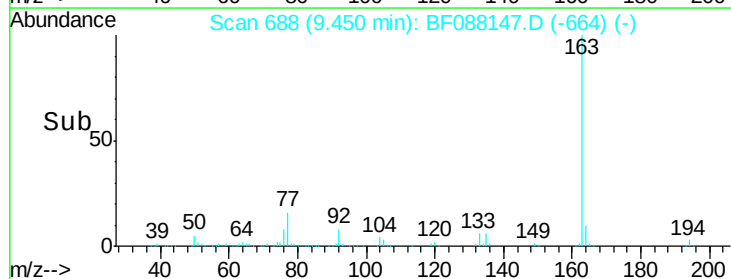
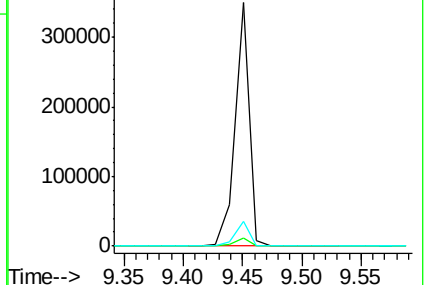
164 10.0 8.3 12.5

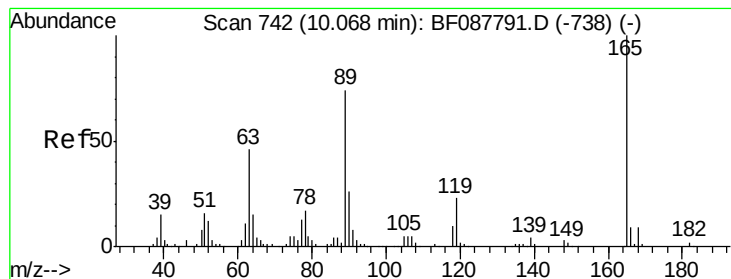


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.12 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.22 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

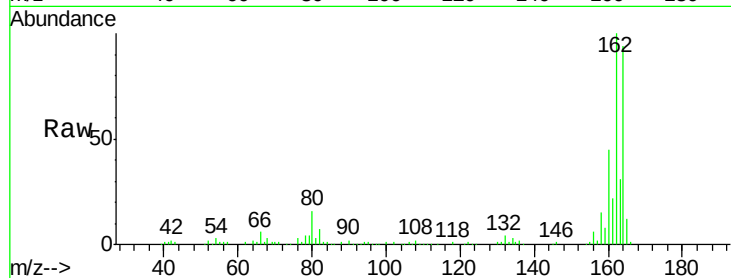
Instrument :

BNA_F

ClientSampleId :

08-B5(8-16)C

Tgt Ion:	165	Resp:	18172
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

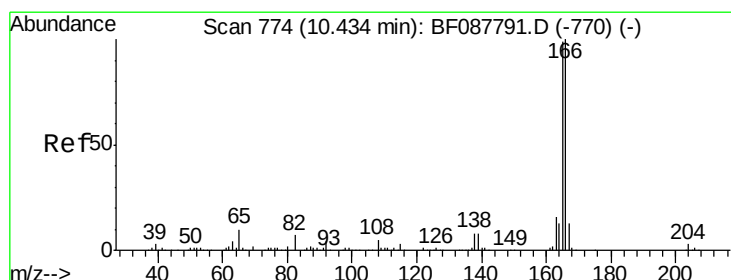
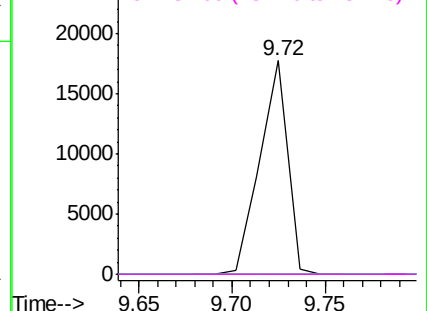
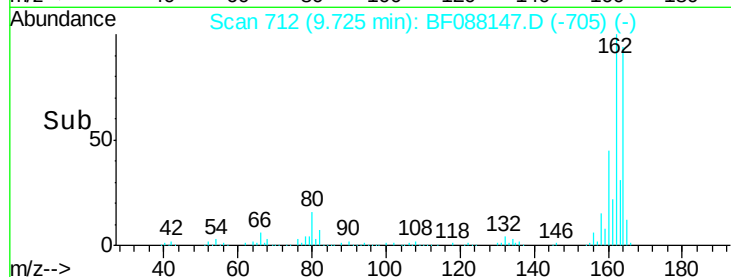


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

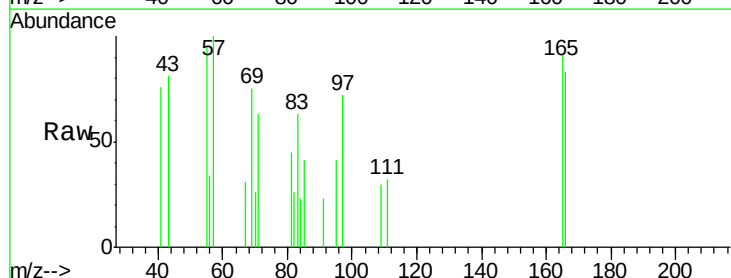
RT: 10.27 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

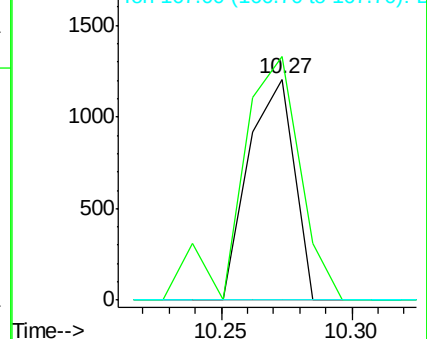
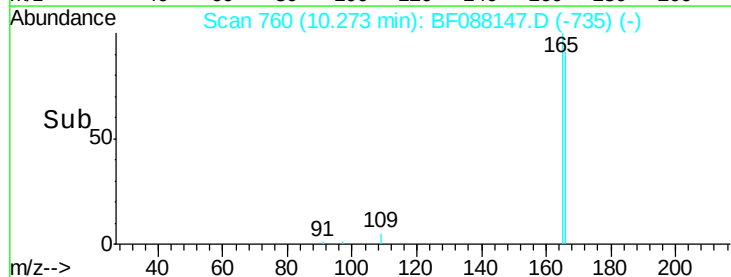
Tgt Ion:	166	Resp:	1456
Ion Ratio	Lower	Upper	
166	100		
165	110.1	77.8	116.8
167	0.0	11.2	16.8#

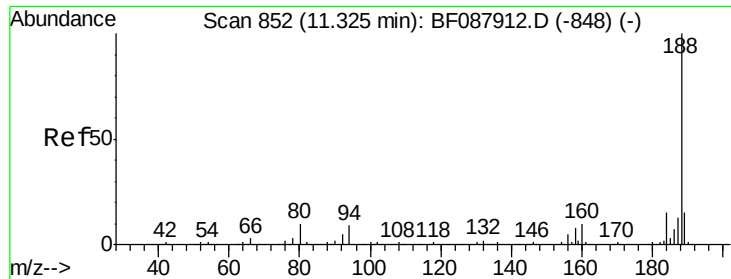


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

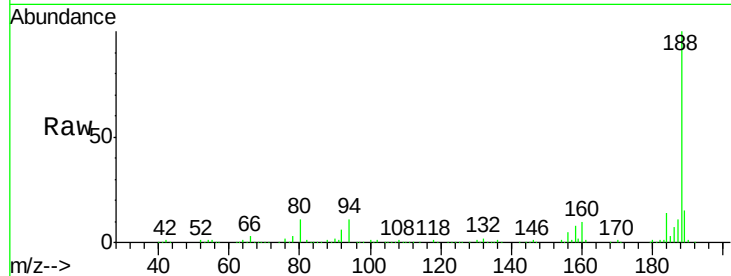




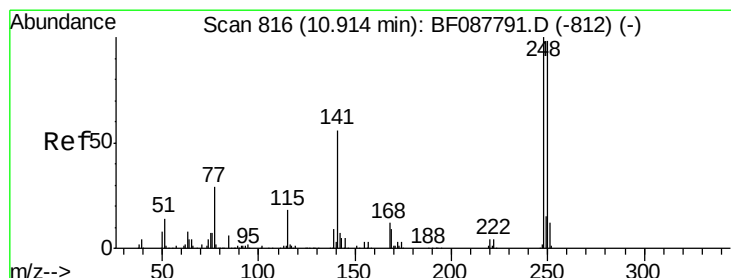
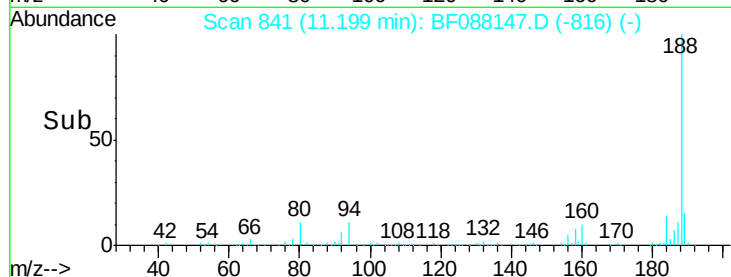
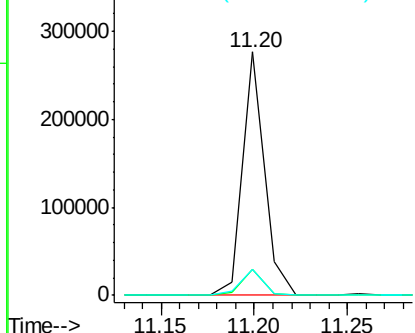
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF088147.D
Acq: 18 Jun 2016 21:30

Instrument :
BNA_F
ClientSampleId :
08-B5(8-16)C

Tgt Ion:188 Resp: 228445
Ion Ratio Lower Upper
188 100
94 10.7 9.0 13.6
80 10.7 10.0 15.0

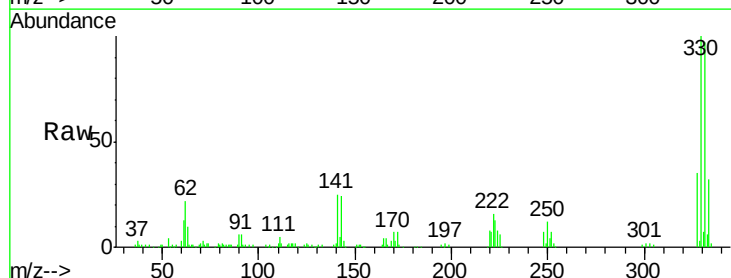


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

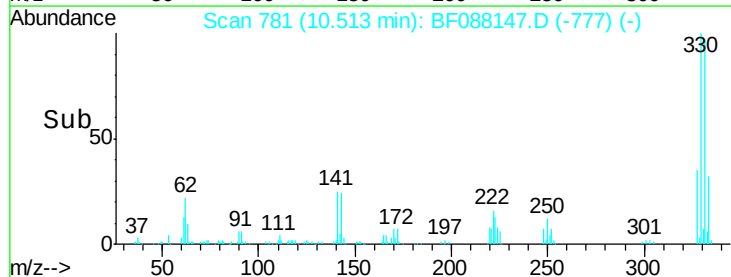
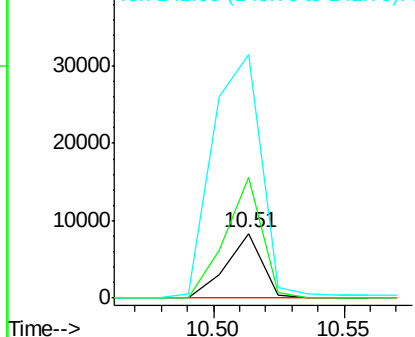


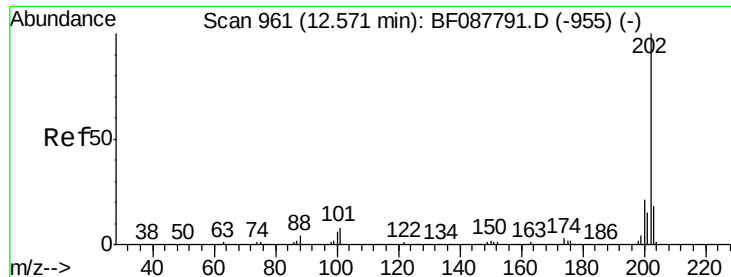
#66
4-Bromophenyl-phenylether
Concen: 3.27 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.25 min
Lab File: BF088147.D
Acq: 18 Jun 2016 21:30

Tgt Ion:248 Resp: 8007
Ion Ratio Lower Upper
248 100
250 187.0 77.1 115.7#
141 377.0 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: 3.40 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

Instrument :

BNA_F

ClientSampleId :

08-B5(8-16)C

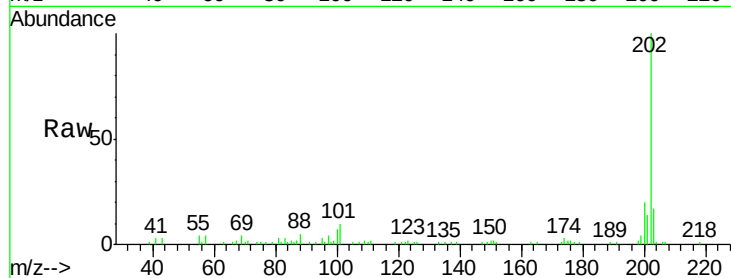
Tgt Ion:202 Resp: 43063

Ion Ratio Lower Upper

202 100

101 10.0 0.0 33.1

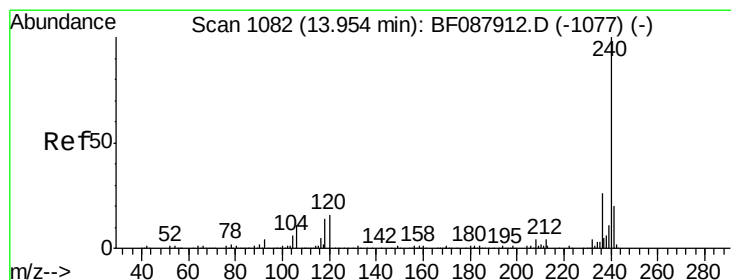
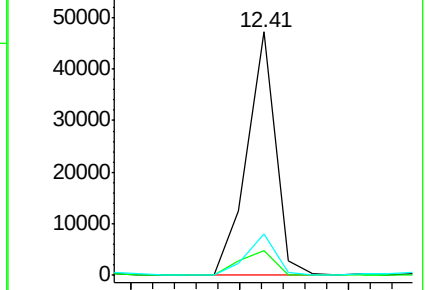
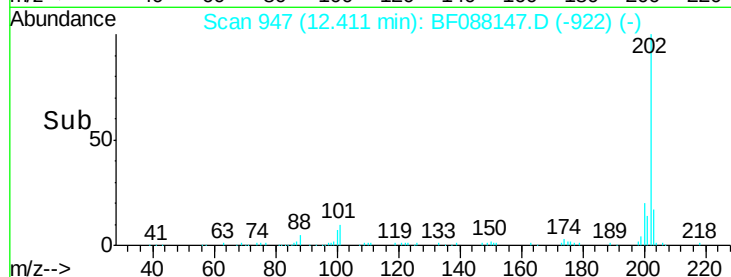
203 16.7 0.0 38.1



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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088147.D

Acq: 18 Jun 2016 21:30

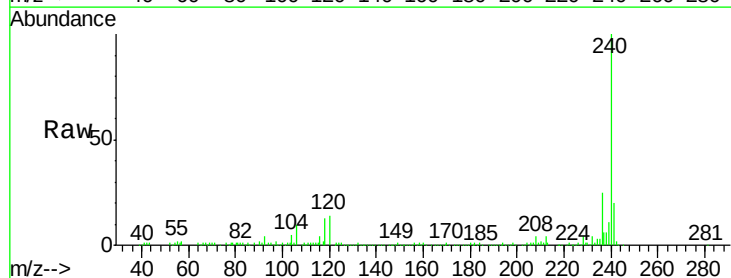
Tgt Ion:240 Resp: 185013

Ion Ratio Lower Upper

240 100

120 14.5 6.8 10.2#

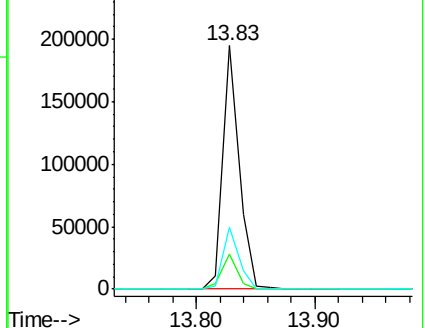
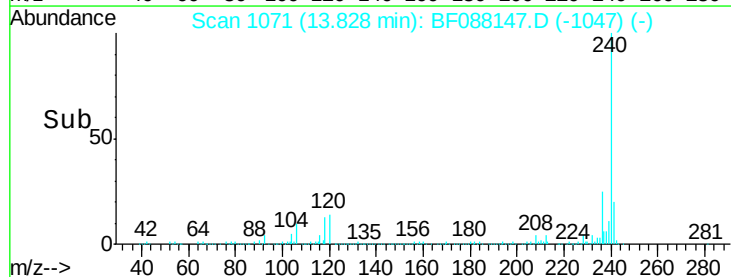
236 25.3 20.2 30.2

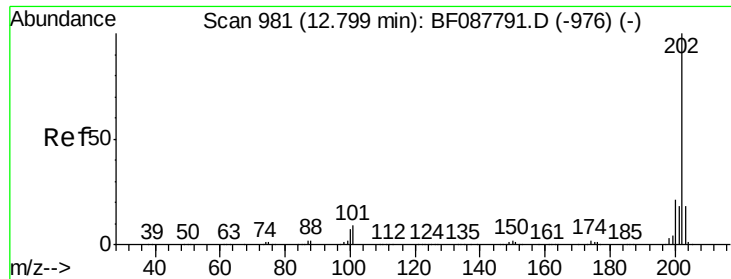


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

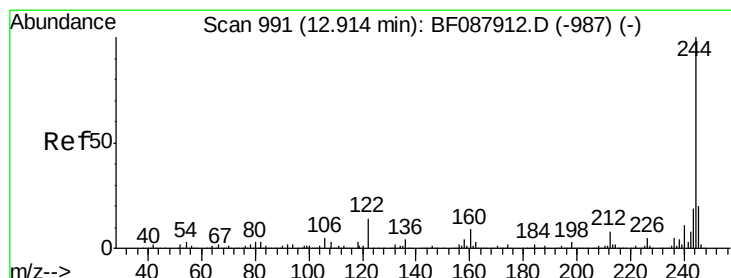
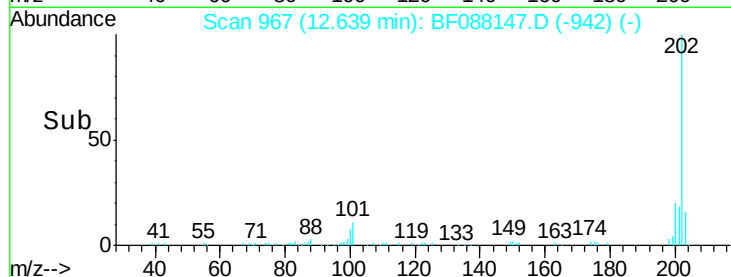
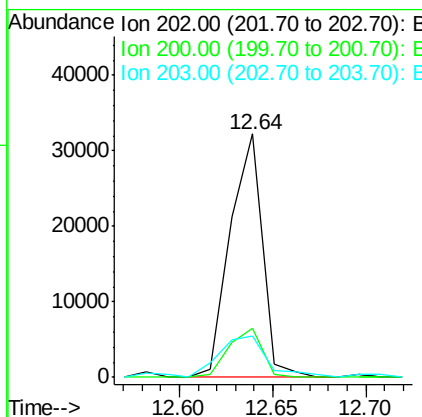
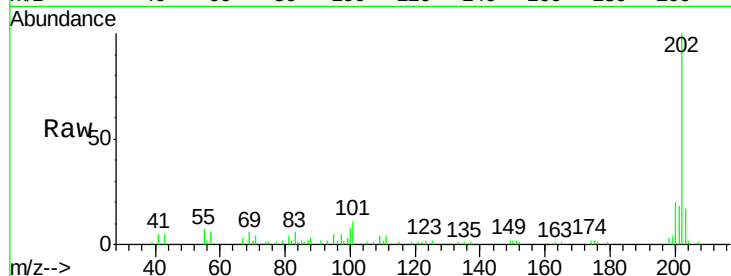




#77
 Pyrene
 Concen: 2.85 ng
 RT: 12.64 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF088147.D
 Acq: 18 Jun 2016 21:30

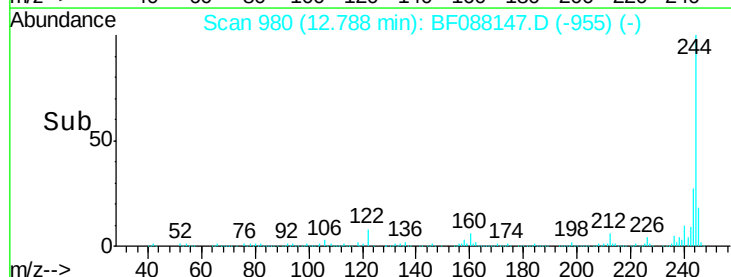
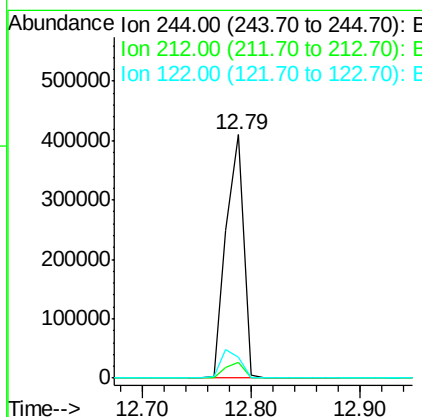
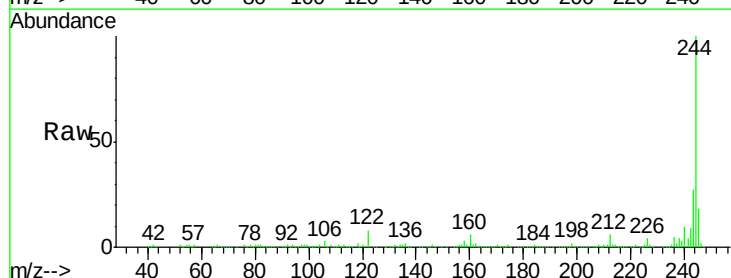
Instrument :
 BNA_F
 ClientSampleId :
 08-B5(8-16)C

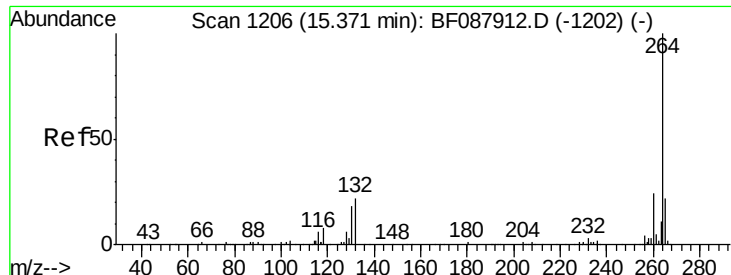
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	16.9	14.5	21.7



#78
 Terphenyl-d14
 Concen: 56.54 ng
 RT: 12.79 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF088147.D
 Acq: 18 Jun 2016 21:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	8.4	11.2	16.8#

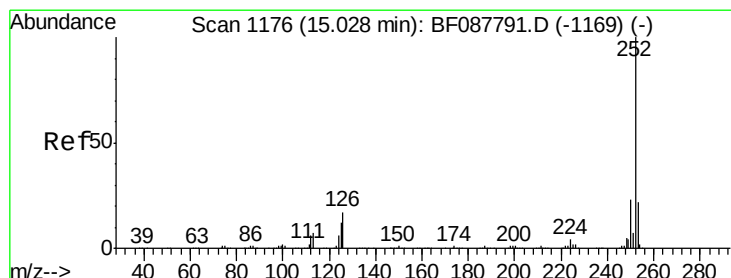
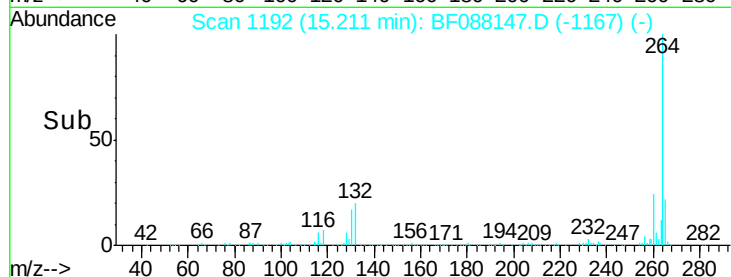
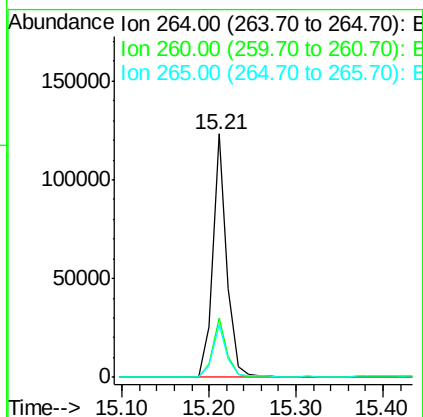
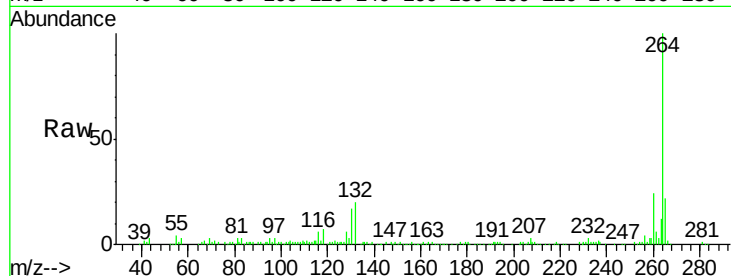




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF088147.D
Acq: 18 Jun 2016 21:30

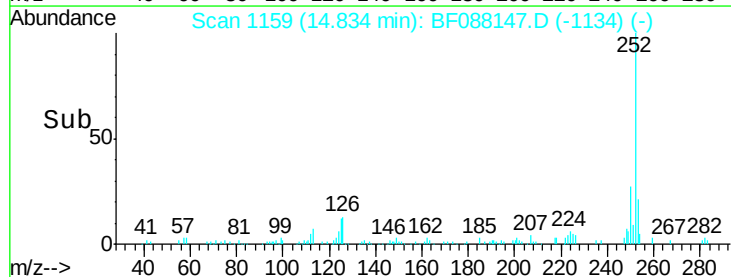
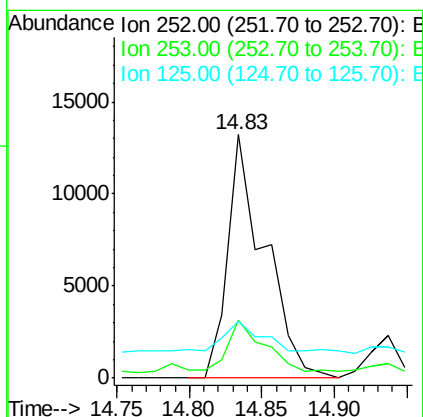
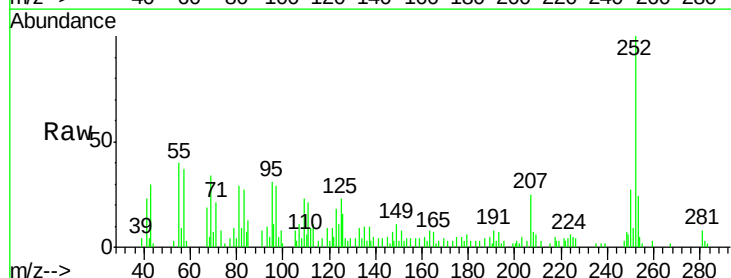
Instrument :
BNA_F
ClientSampleId :
08-B5(8-16)C

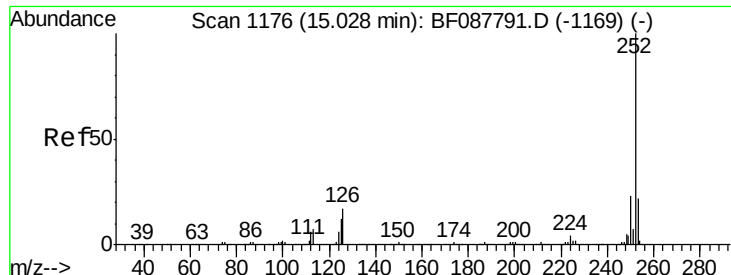
Tgt Ion: 264 Resp: 139783
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.6 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.40 ng
RT: 14.83 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF088147.D
Acq: 18 Jun 2016 21:30

Tgt Ion: 252 Resp: 23364
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 23.4 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.18 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088147.D

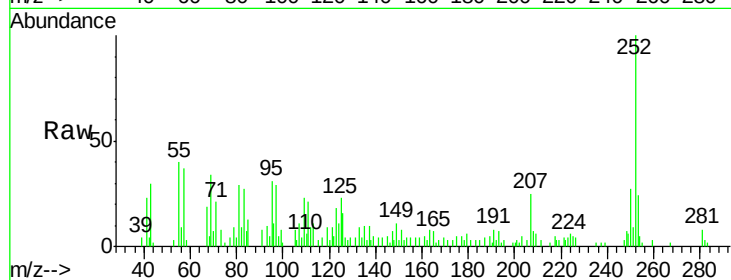
Acq: 18 Jun 2016 21:30

Instrument :

BNA_F

ClientSampleId :

08-B5(8-16)C



Tgt Ion:	252	Resp:	23364
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.0	27.0
125	23.4	11.2	16.8

