

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\
 Data File : BF088208.D
 Acq On : 21 Jun 2016 9:28
 Operator : UM/SJ
 Sample : H3580-27
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 11:51:08 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 20 17:39:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	87614	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	350785	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	153972	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	268125	20.00	ng	0.00
75) Chrysene-d12	13.81	240	173478	20.00	ng	0.00
86) Perylene-d12	15.18	264	188783	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	477331	93.14	ng	0.00
7) Phenol-d6	6.32	99	571204	91.97	ng	-0.01
23) Nitrobenzene-d5	7.23	82	345650	57.54	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	137434	84.53	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	649940	65.01	ng	-0.01
78) Terphenyl-d14	12.75	244	446151	58.52	ng	-0.01

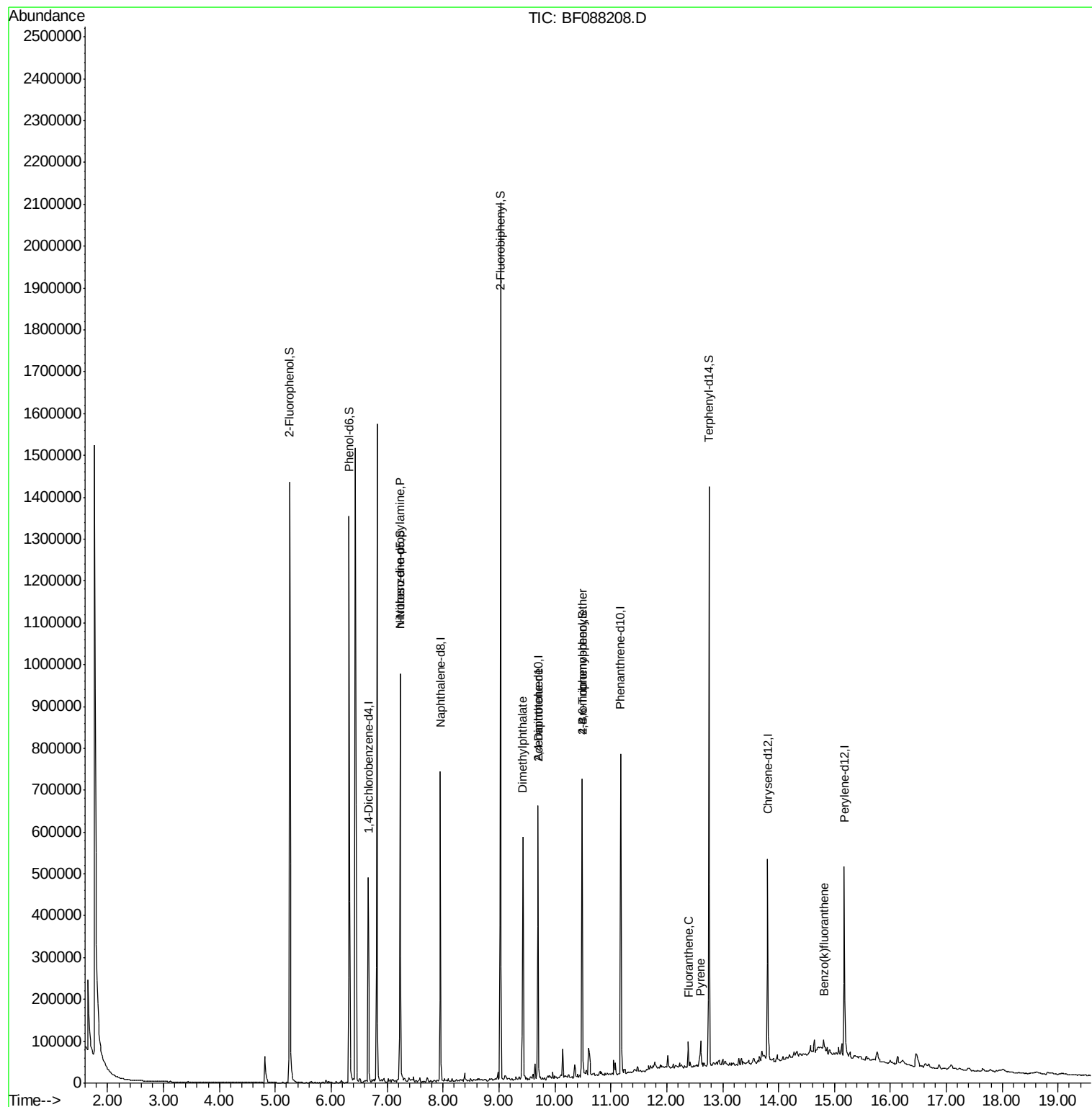
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.33	94	7042	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.23	70	47181	11.87	ng	72
45) 1,1'-Biphenyl	9.13	154	475	Below Cal	#	43
49) Dimethylphthalate	9.43	163	232190	20.82	ng	99
56) 2,4-Dinitrotoluene	9.70	165	19562	5.96	ng	36
57) Fluorene	10.25	166	1723	Below Cal	#	91
66) 4-Bromophenyl-phenylether	10.49	248	8655	3.01	ng	1
74) Fluoranthene	12.39	202	31503	2.12	ng	94
77) Pyrene	12.61	202	29025	2.25	ng	97
88) Benzo(k)fluoranthene	14.81	252	20769	2.09	ng	87

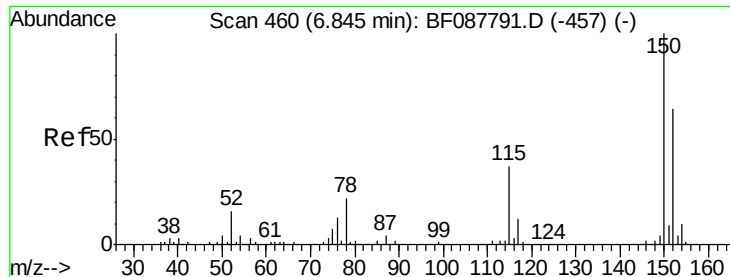
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\
Data File : BF088208.D
Acq On : 21 Jun 2016 9:28
Operator : UM/SJ
Sample : H3580-27
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 21 11:51:08 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 20 17:39:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.01 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Instrument :

BNA_F

ClientSampleId :

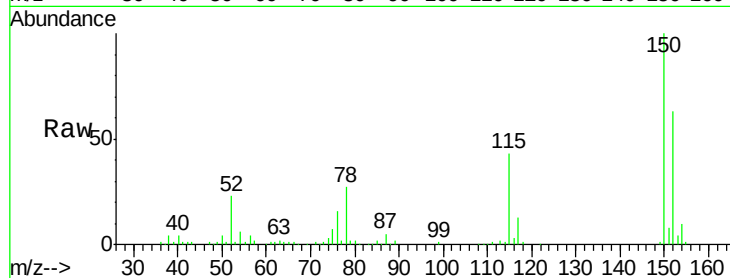
Tot Ion:152 Resp: 87614

Ion Ratio Lower Upper

152 100

150 159.1 123.8 185.6

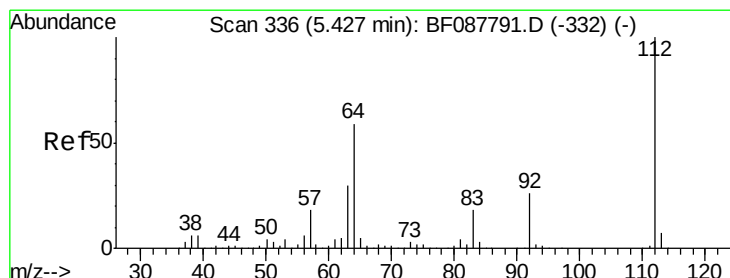
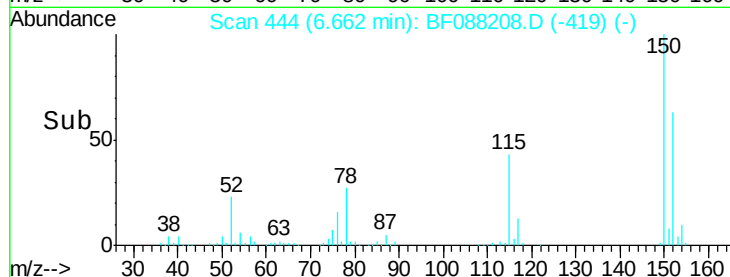
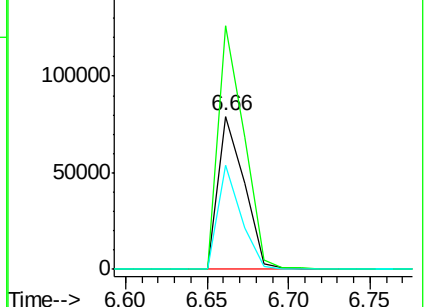
115 68.0 39.6 59.4#



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: 93.14 ng

RT: 5.26 min Scan# 321

Delta R.T. -0.00 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

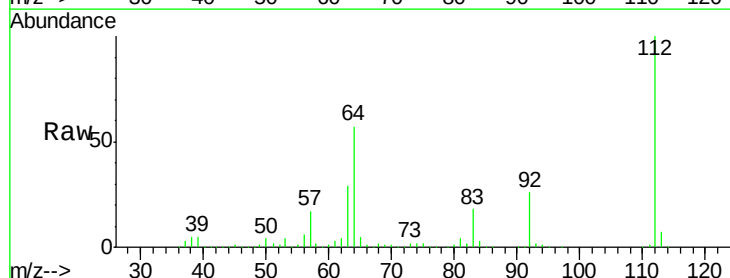
Tgt Ion:112 Resp: 477331

Ion Ratio Lower Upper

112 100

64 57.0 42.2 63.2

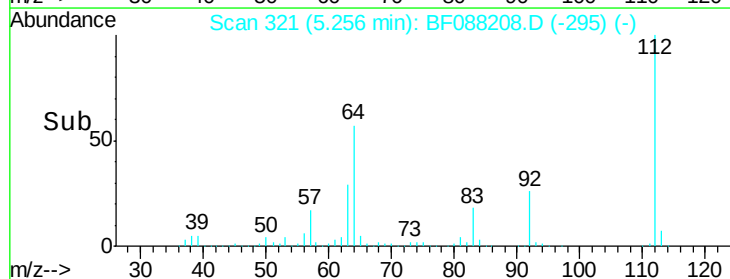
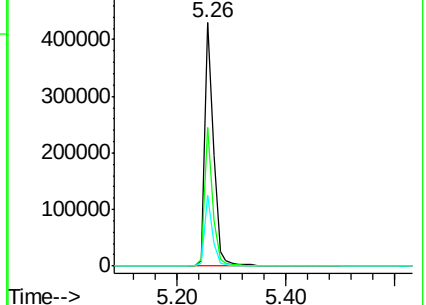
63 29.0 21.8 32.8

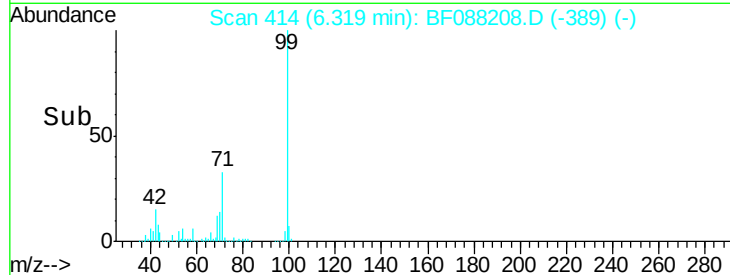
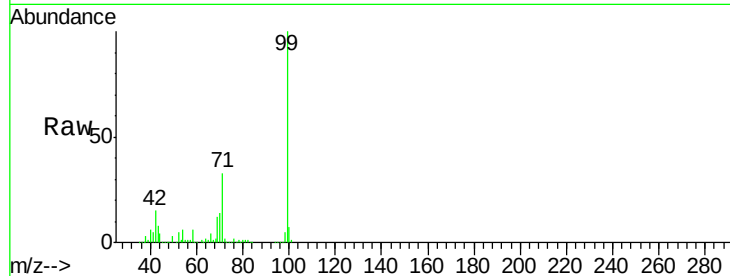
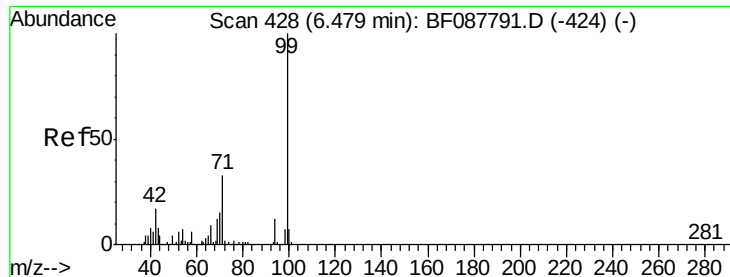


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.97 ng

RT: 6.32 min Scan# 414

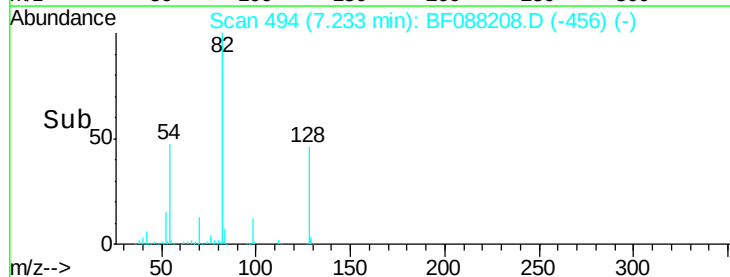
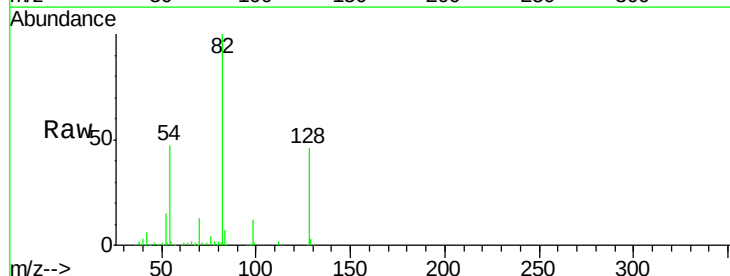
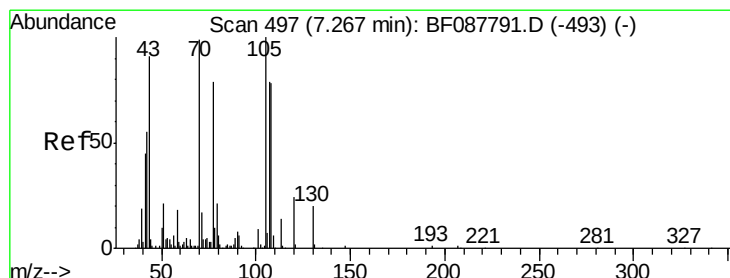
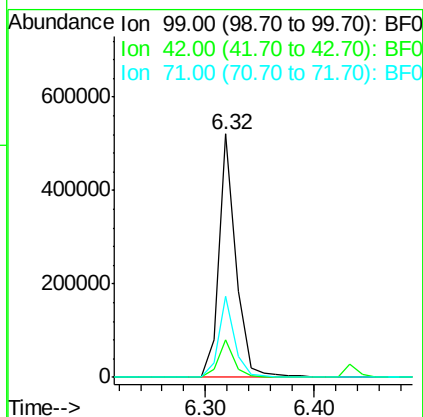
Delta R.T. -0.01 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.2	18.2
71	33.4	23.4	35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.87 ng

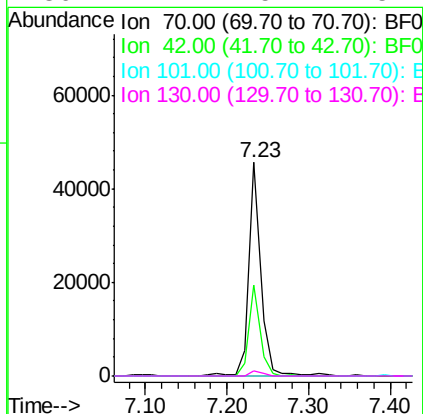
RT: 7.23 min Scan# 494

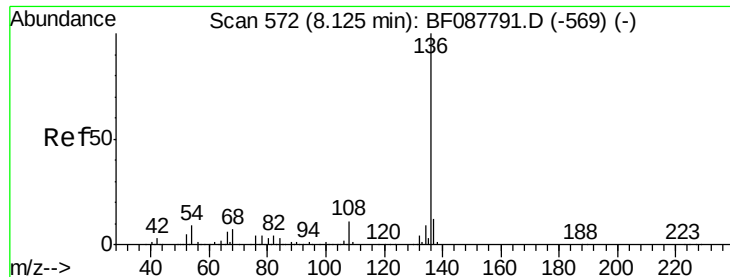
Delta R.T. 0.14 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Tgt Ion	Ratio	Lower	Upper
70	100		
42	42.5	49.6	74.4#
101	0.0	7.1	10.7#
130	2.7	15.4	23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. -0.00 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 350785

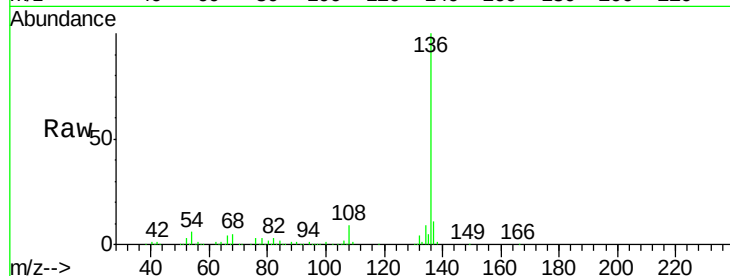
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.8 6.6 10.0#

68 5.0 5.1 7.7#

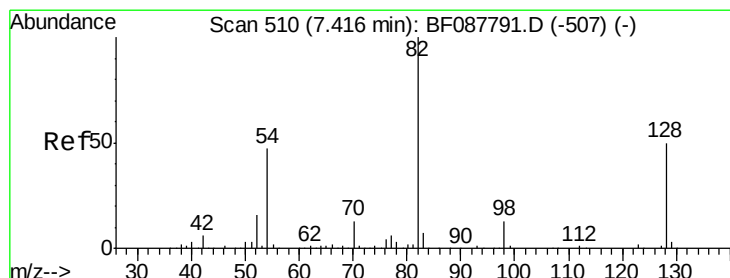
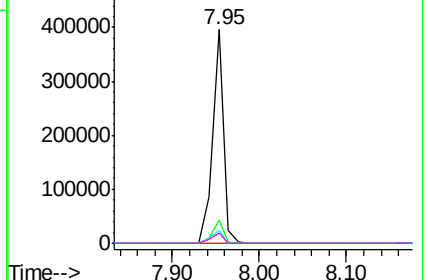
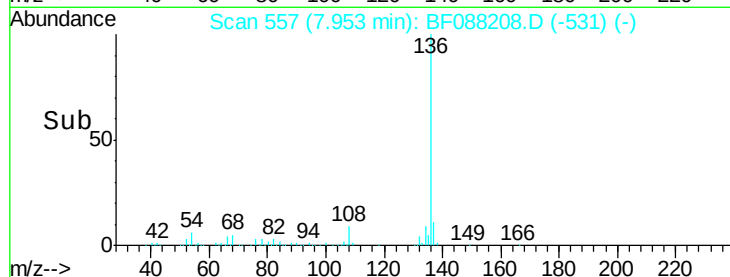


Abundance Ion 136.00 (135.70 to 136.70): E

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: 57.54 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

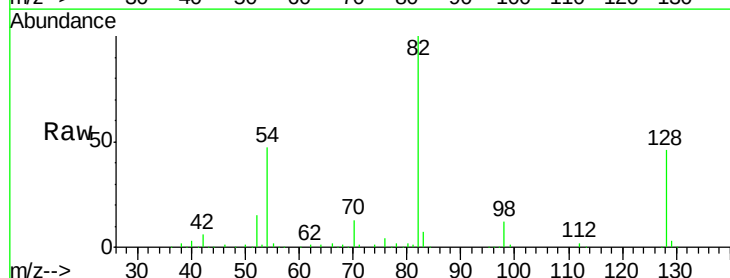
Tgt Ion: 82 Resp: 345650

Ion Ratio Lower Upper

82 100

128 45.7 35.9 53.9

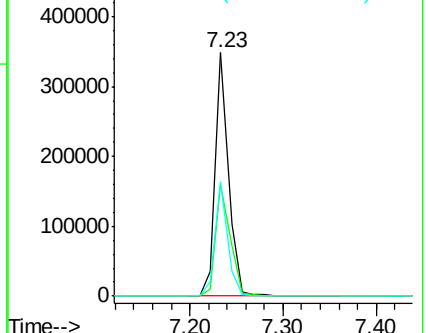
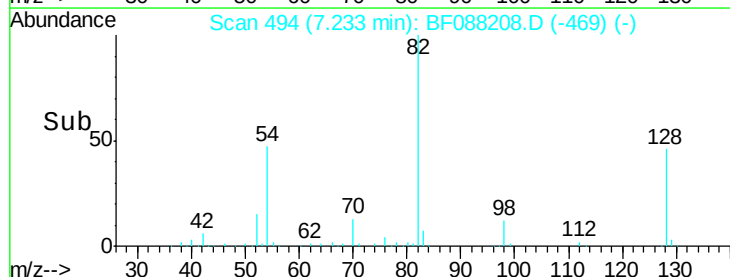
54 46.8 40.9 61.3

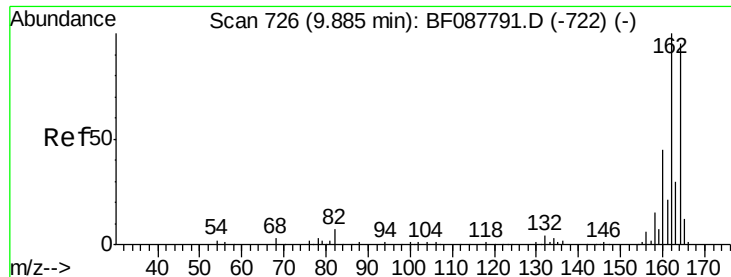


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

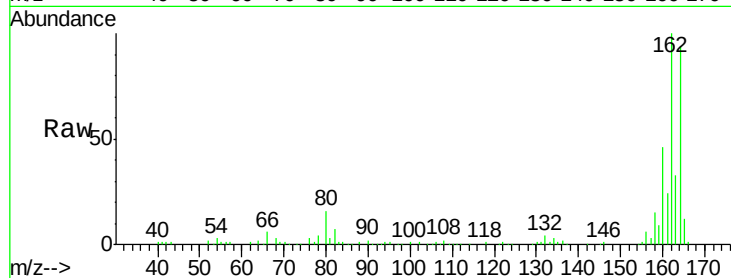




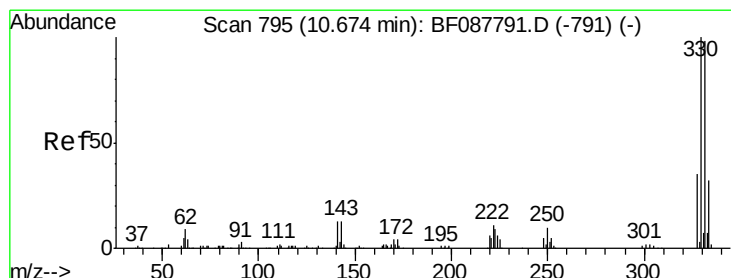
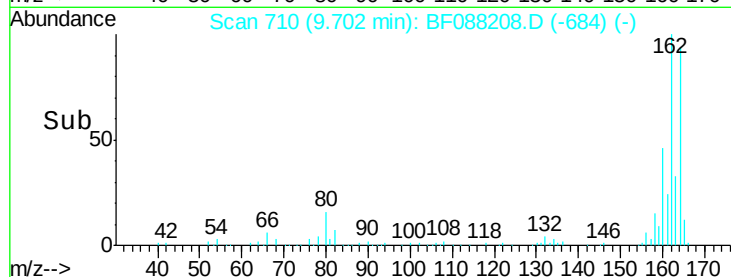
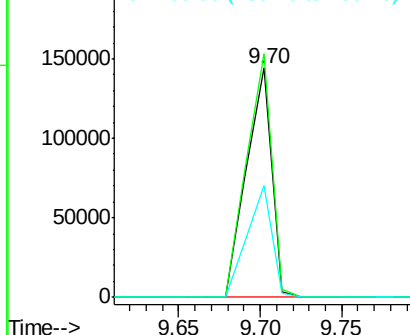
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF088208.D
Acq: 21 Jun 2016 9:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 153972
Ion Ratio Lower Upper
164 100
162 106.3 85.4 128.2
160 48.9 39.5 59.3

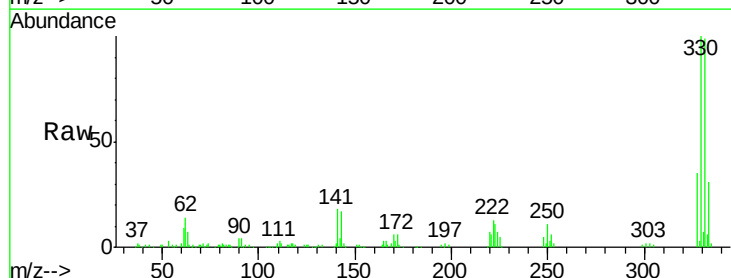


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

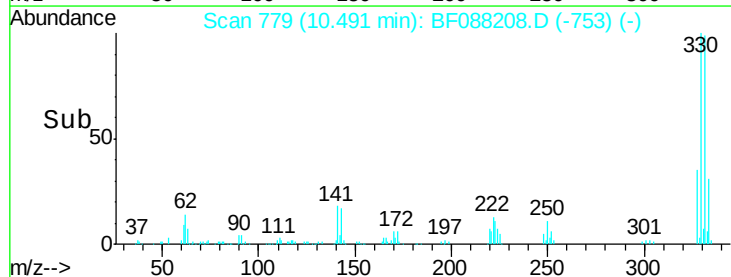
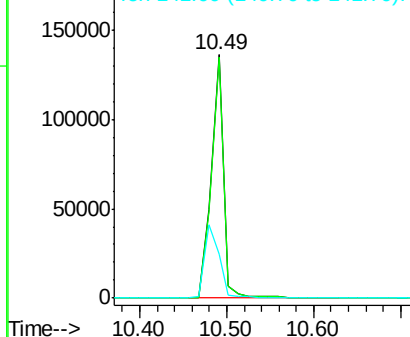


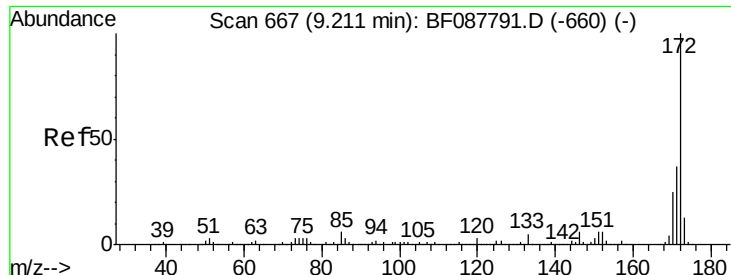
#41
2,4,6-Tribromophenol
Concen: 84.53 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF088208.D
Acq: 21 Jun 2016 9:28

Tgt Ion:330 Resp: 137434
Ion Ratio Lower Upper
330 100
332 98.2 0.0 0.0#
141 35.7 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

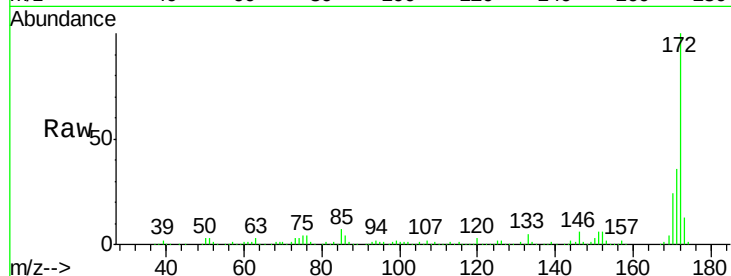




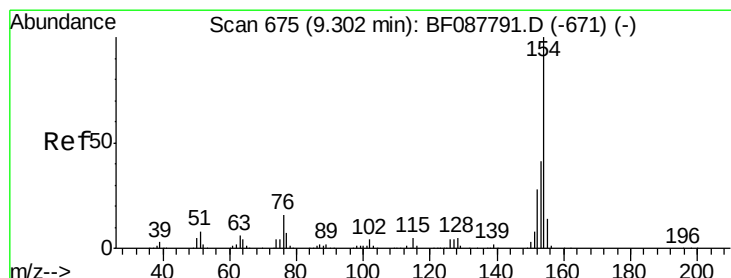
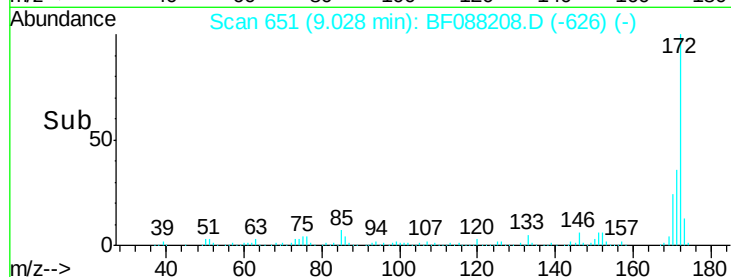
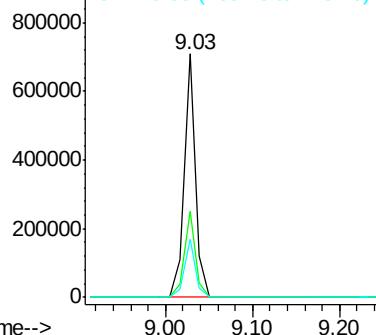
#44
2-Fluorobiphenyl
Concen: 65.01 ng
RT: 9.03 min Scan# 651
Delta R.T. -0.01 min
Lab File: BF088208.D
Acq: 21 Jun 2016 9:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 649940
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.7 19.2 28.8

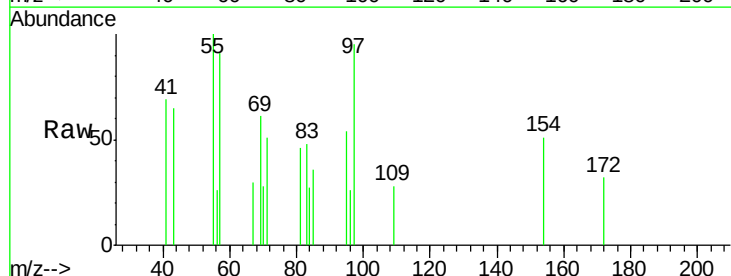


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

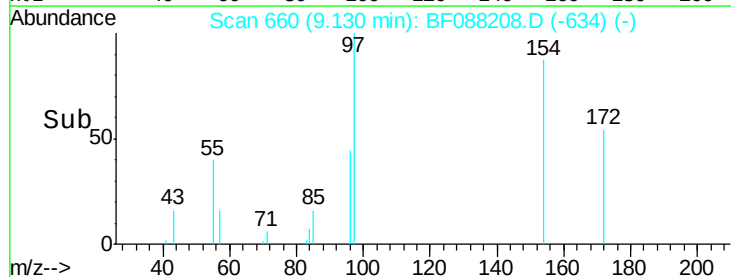
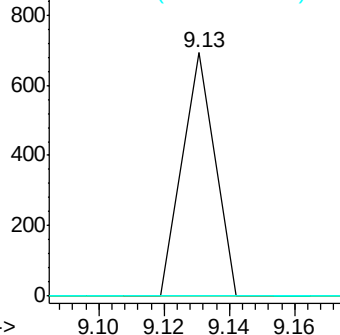


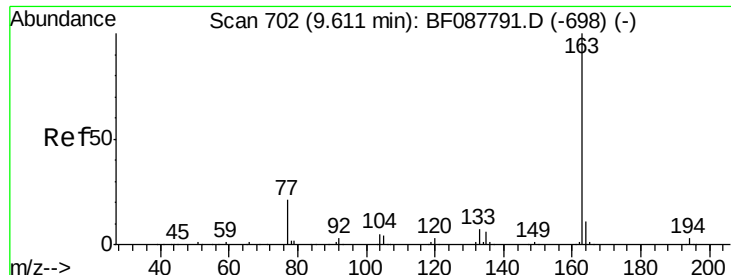
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.13 min Scan# 660
Delta R.T. -0.00 min
Lab File: BF088208.D
Acq: 21 Jun 2016 9:28

Tgt Ion:154 Resp: 475
Ion Ratio Lower Upper
154 100
153 0.0 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

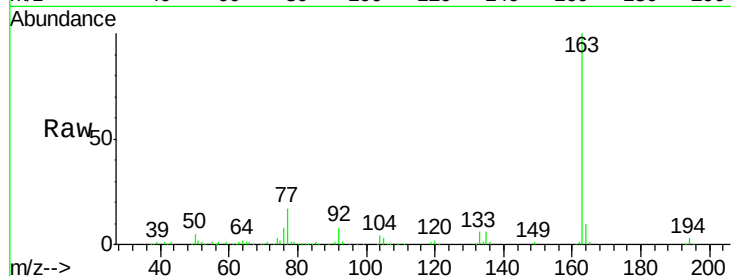




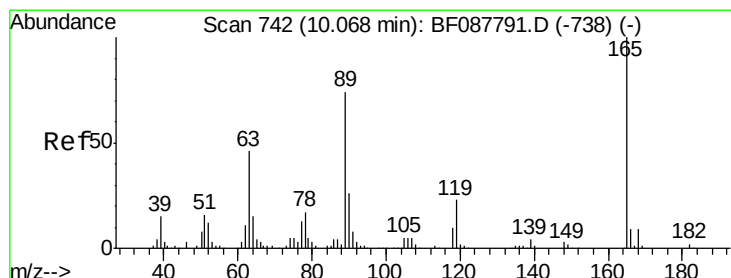
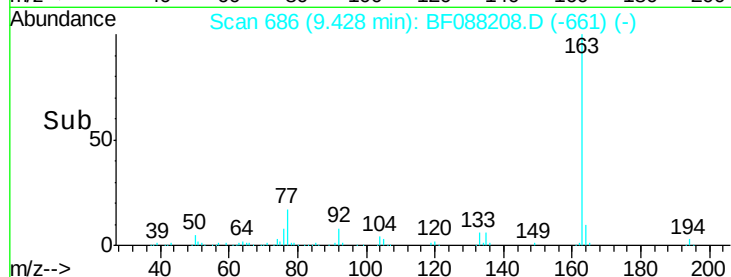
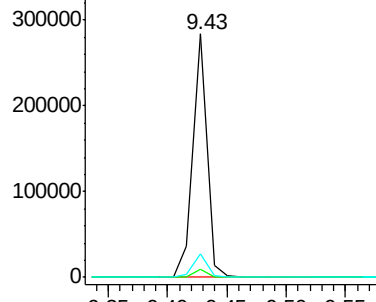
#49
Dimethylphthalate
Concen: 20.82 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF088208.D
Acq: 21 Jun 2016 9:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 232190
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.7 8.3 12.5

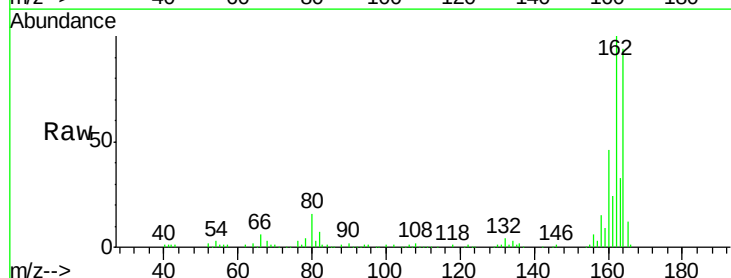


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

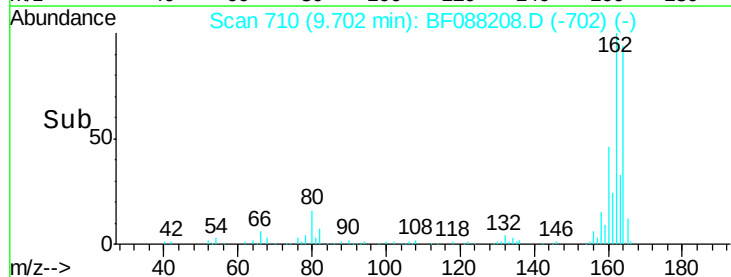
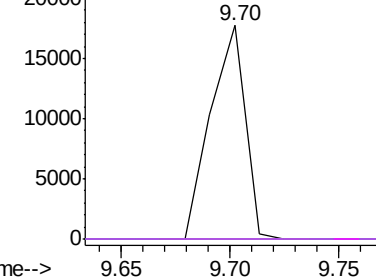


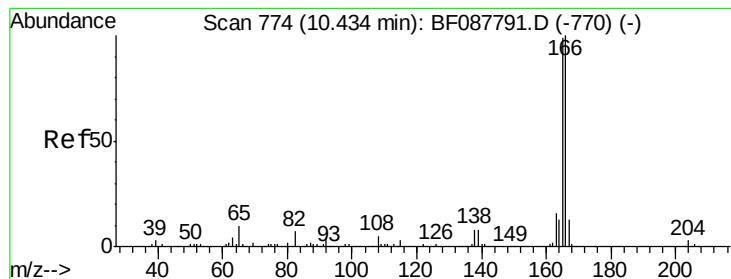
#56
2,4-Dinitrotoluene
Concen: 5.96 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.21 min
Lab File: BF088208.D
Acq: 21 Jun 2016 9:28

Tgt Ion:165 Resp: 19562
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: 10.25 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Instrument :

BNA_F

ClientSampleId :

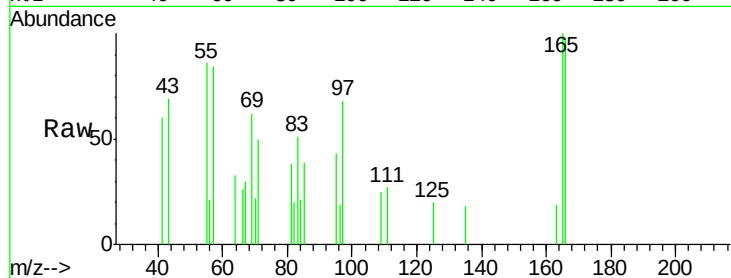
Tot Ion:166 Resp: 1723

Ion Ratio Lower Upper

166 100

165 102.0 77.8 116.8

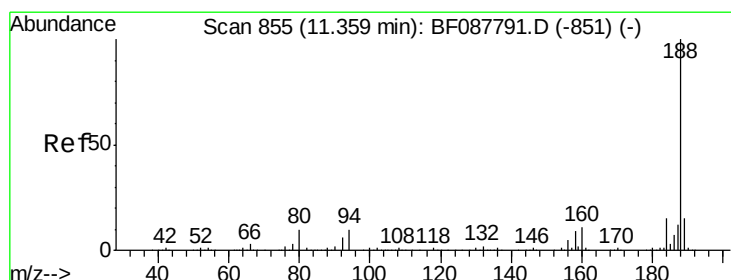
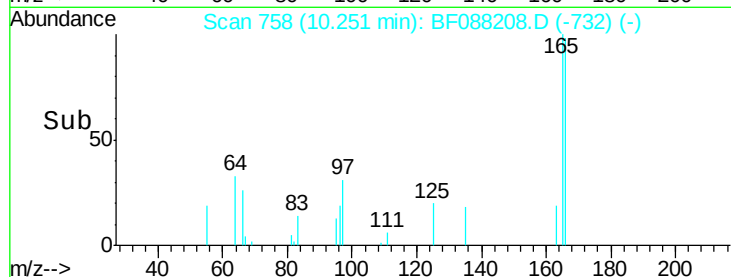
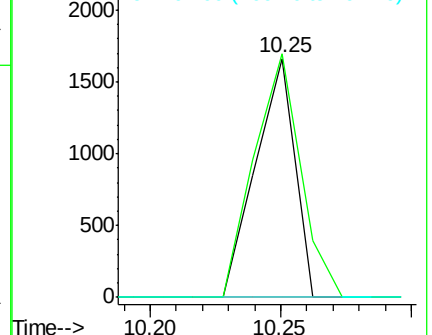
167 0.0 11.2 16.8#



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: 11.18 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

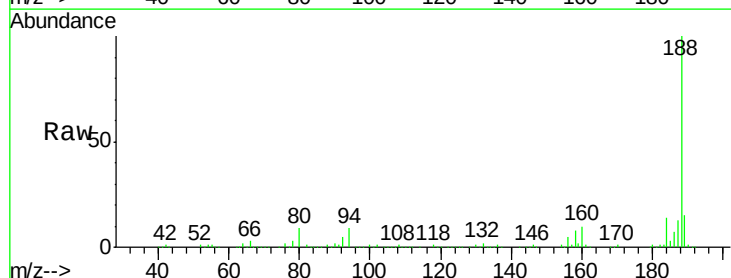
Tgt Ion:188 Resp: 268125

Ion Ratio Lower Upper

188 100

94 9.1 9.0 13.6

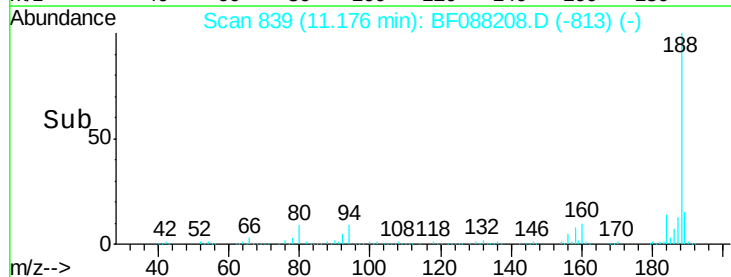
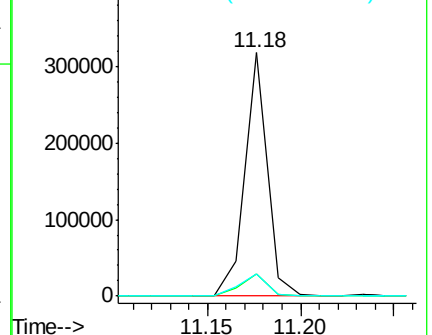
80 9.1 10.0 15.0#

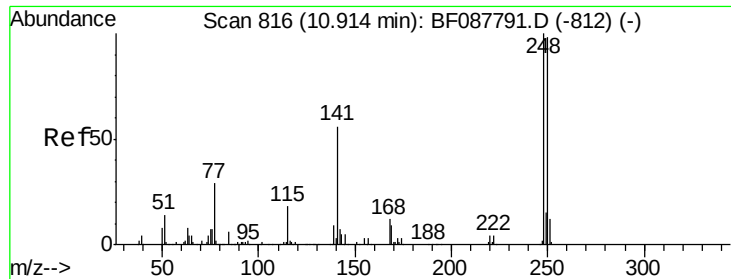


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 3.01 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.24 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Instrument :

BNA_F

ClientSampleId :

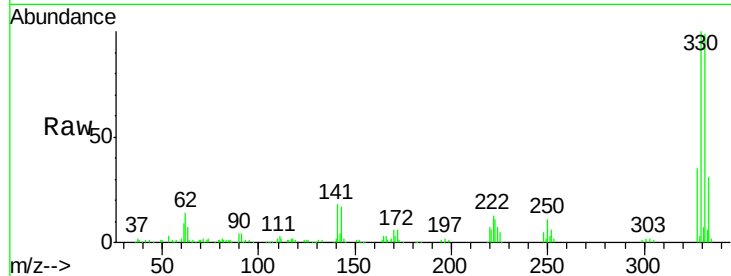
Tot Ion:248 Resp: 8655

Ion Ratio Lower Upper

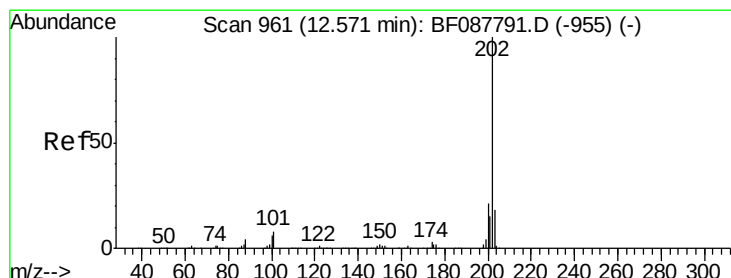
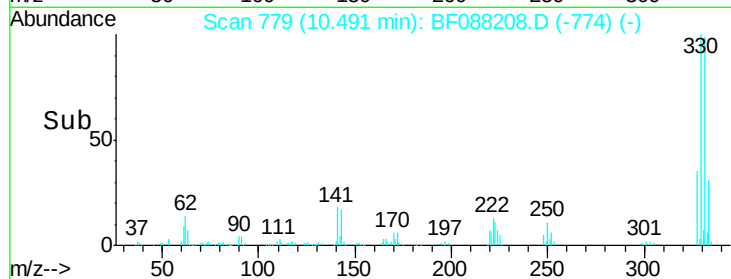
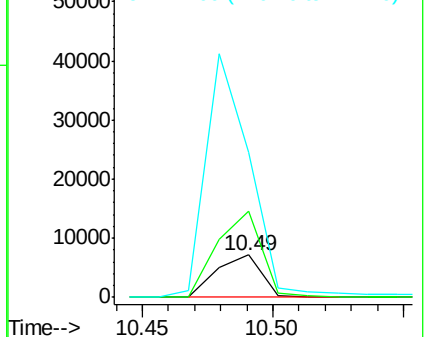
248 100

250 202.0 77.1 115.7#

141 340.2 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: 2.12 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

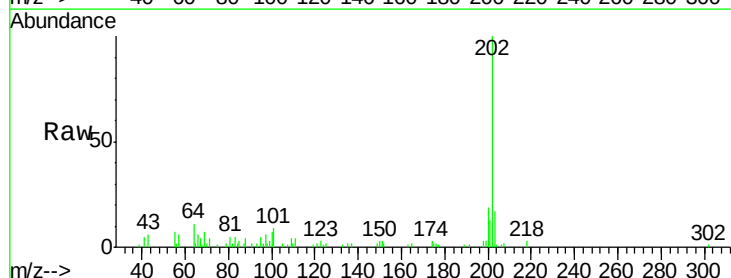
Tgt Ion:202 Resp: 31503

Ion Ratio Lower Upper

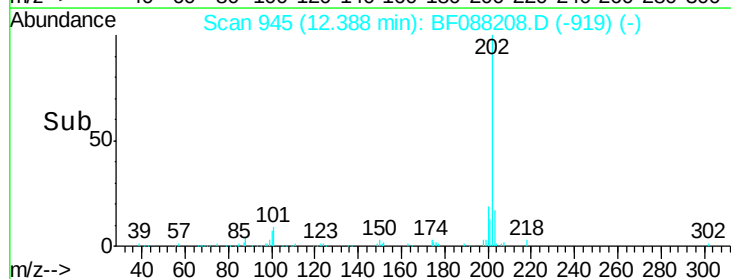
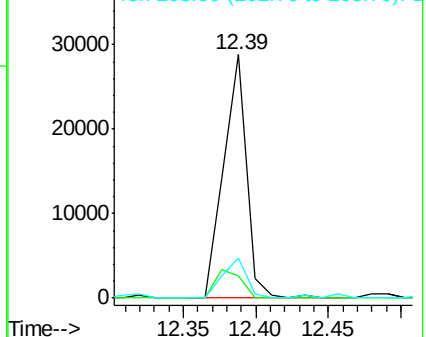
202 100

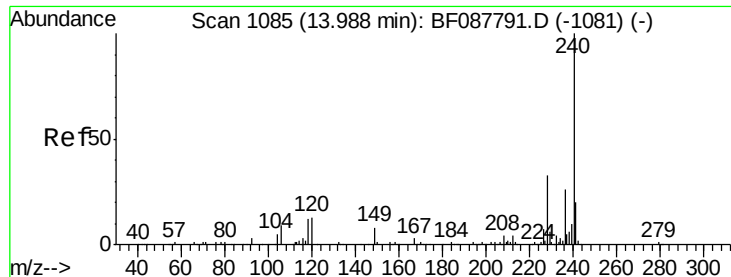
101 9.3 0.0 33.1

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: 13.81 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Instrument :

BNA_F

ClientSampleId :

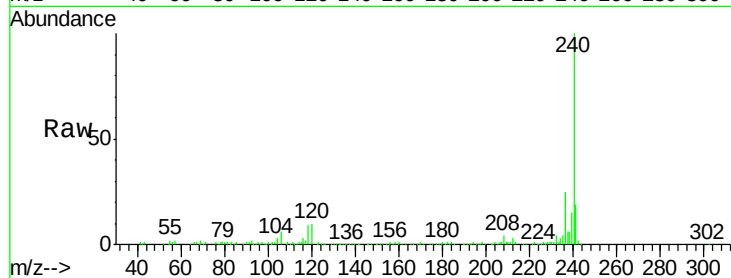
Tot Ion:240 Resp: 173478

Ion Ratio Lower Upper

240 100

120 9.5 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

250000

200000

150000

100000

50000

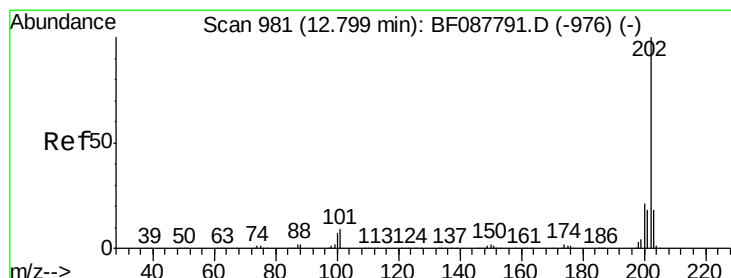
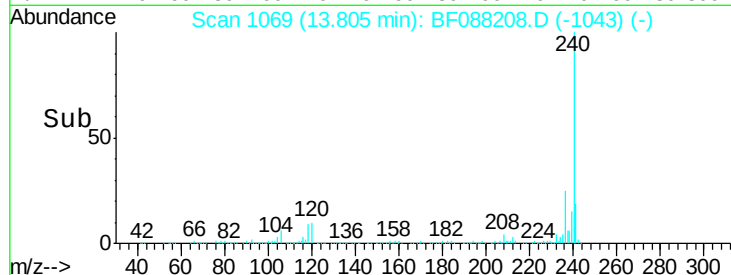
0

13.81

13.80

13.90

Time-->



#77

Pyrene

Concen: 2.25 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

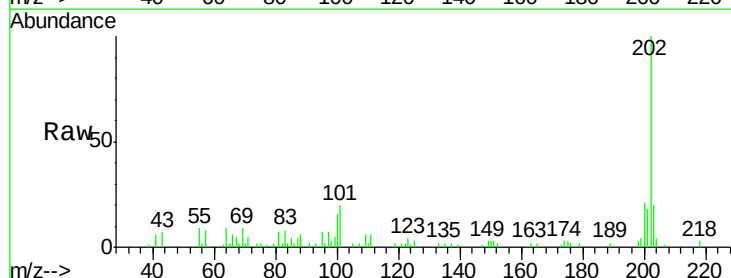
Tgt Ion:202 Resp: 29025

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

203 19.9 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

30000

25000

20000

15000

10000

5000

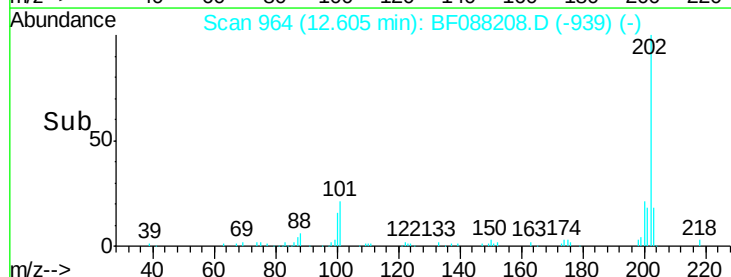
0

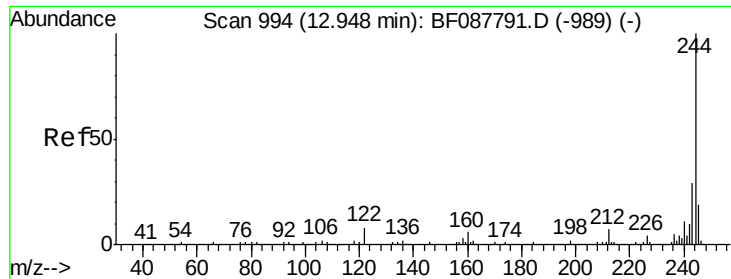
12.61

12.55

12.65

Time-->

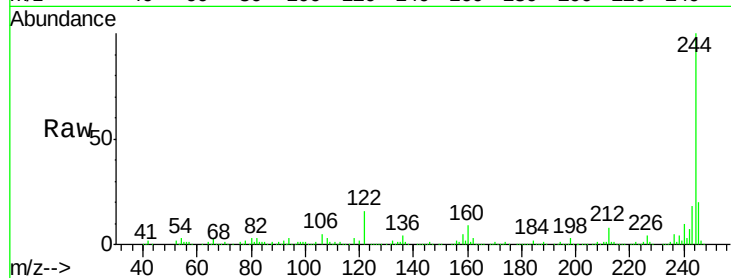




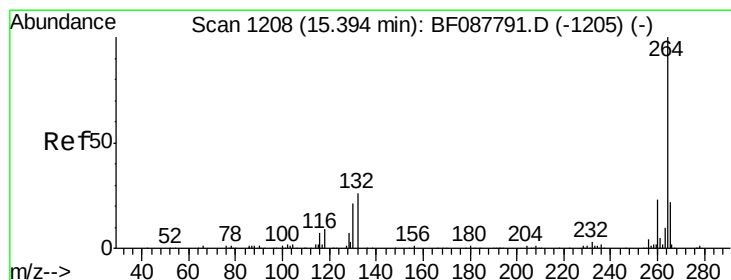
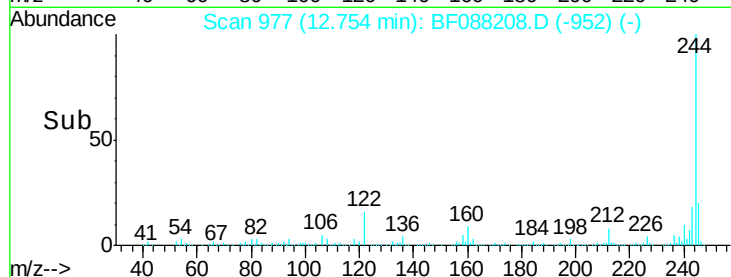
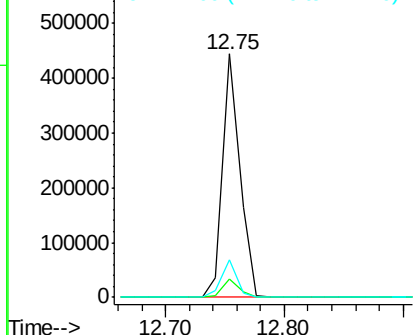
#78
 Terphenyl-d14
 Concen: 58.52 ng
 RT: 12.75 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF088208.D
 Acq: 21 Jun 2016 9:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 446151
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 15.6 11.2 16.8

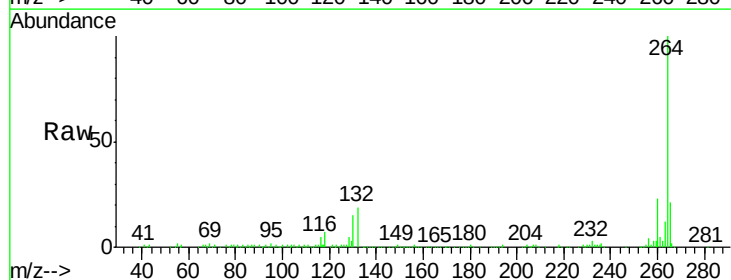


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

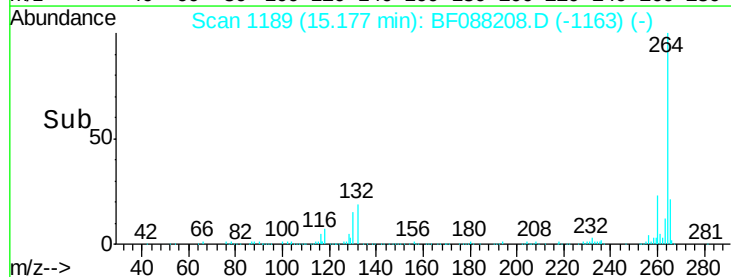
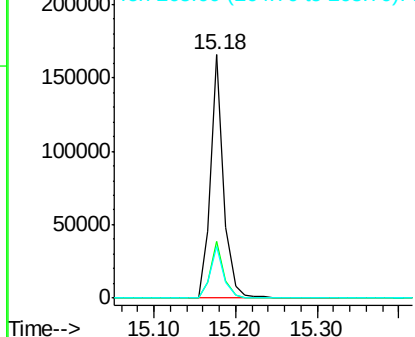


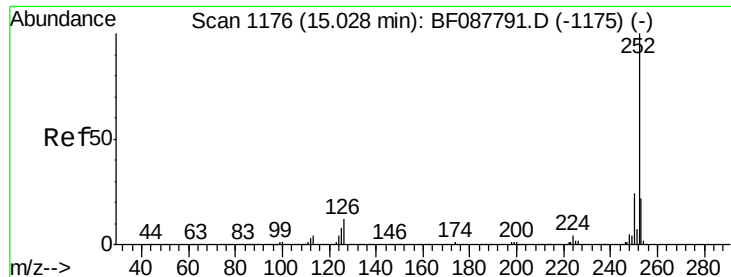
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.18 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF088208.D
 Acq: 21 Jun 2016 9:28

Tgt Ion:264 Resp: 188783
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.4 16.9 25.3



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





#88

Benzo(k)fluoranthene

Concen: 2.09 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.01 min

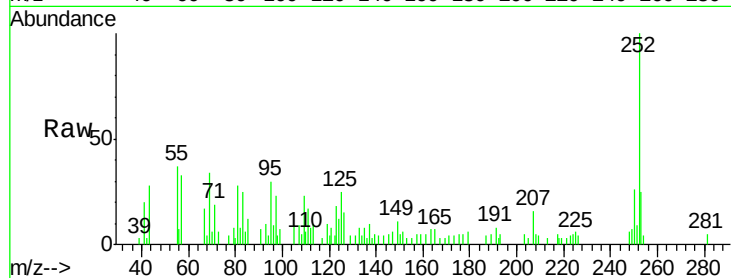
Lab File: BF088208.D

Acq: 21 Jun 2016 9:28

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	20769
Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	24.8	11.2	16.8

