

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062016\
 Data File : BF088214.D
 Acq On : 21 Jun 2016 12:20
 Operator : UM/SJ
 Sample : H3580-29
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 13:11:03 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

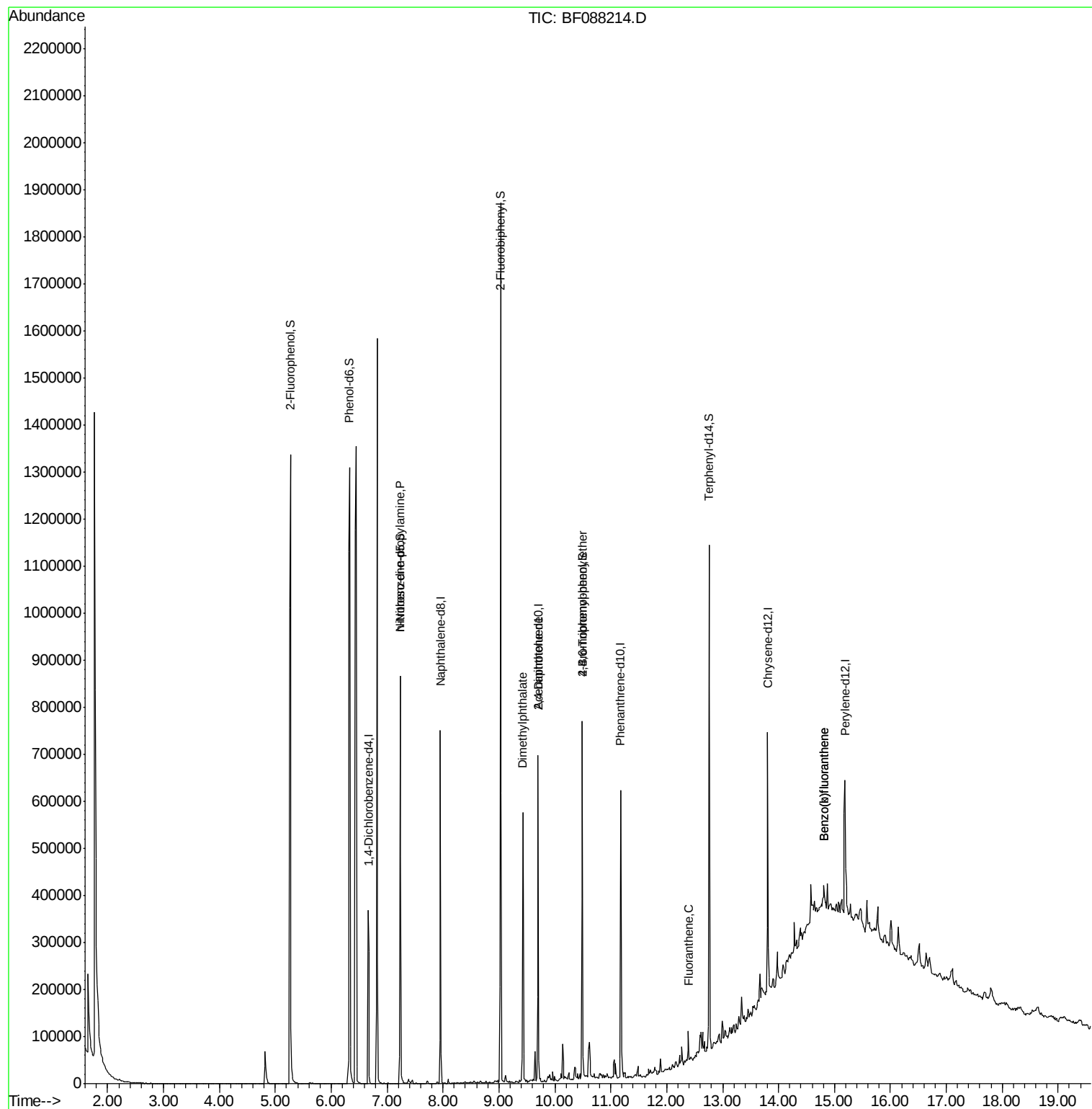
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	82508	20.00	ng	-0.01
21) Naphthalene-d8	7.95	136	325874	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	136222	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	208351	20.00	ng	0.00
75) Chrysene-d12	13.81	240	180678	20.00	ng	0.00
86) Perylene-d12	15.19	264	140684	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	561242	116.29	ng	0.01
7) Phenol-d6	6.33	99	692635	118.42	ng	0.00
23) Nitrobenzene-d5	7.23	82	351793	63.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	104661	72.76	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	649359	74.18	ng	-0.01
78) Terphenyl-d14	12.75	244	436606	54.99	ng	-0.01
Target Compounds						
10) Phenol	6.34	94	6275	Below Cal		Qvalue 82
19) n-Nitroso-di-n-propylamine	7.23	70	44830	11.98 ng	#	73
45) 1,1'-Biphenyl	9.13	154	613	Below Cal		86
49) Dimethylphthalate	9.43	163	219092	22.20 ng		100
56) 2,4-Dinitrotoluene	9.70	165	17537	6.04 ng	#	36
57) Fluorene	10.25	166	4928	Below Cal		98
66) 4-Bromophenyl-phenylether	10.49	248	7004	3.13 ng	#	1
74) Fluoranthene	12.39	202	27465	2.38 ng		97
87) Benzo(b)fluoranthene	14.81	252	19667	2.01 ng	#	47
88) Benzo(k)fluoranthene	14.81	252	19667	2.66 ng	#	52

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

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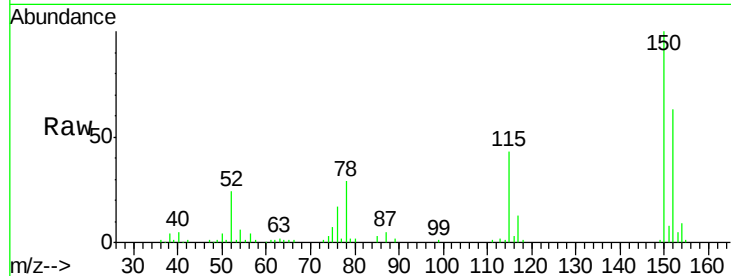


#1

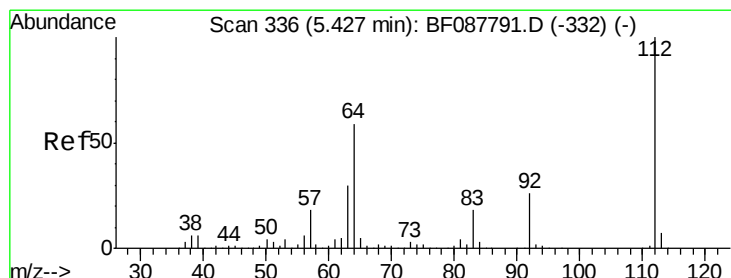
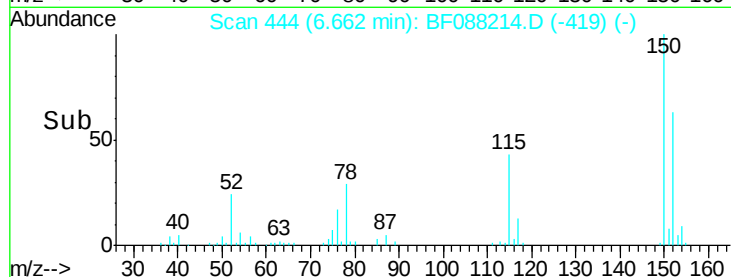
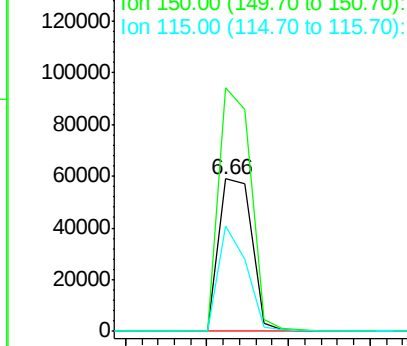
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF088214.D
Acq: 21 Jun 2016 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82508
Ion Ratio Lower Upper
152 100
150 159.9 123.8 185.6
115 68.9 39.6 59.4#



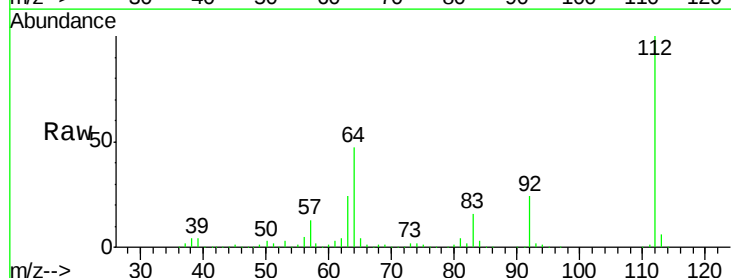
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



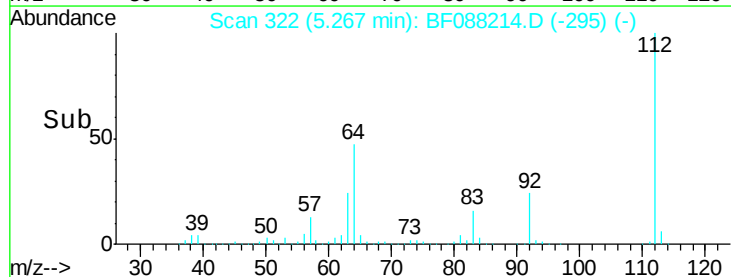
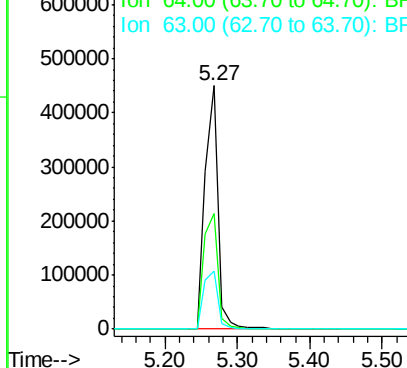
#5

2-Fluorophenol
Concen: 116.29 ng
RT: 5.27 min Scan# 322
Delta R.T. 0.01 min
Lab File: BF088214.D
Acq: 21 Jun 2016 12:20

Tgt Ion:112 Resp: 561242
Ion Ratio Lower Upper
112 100
64 47.4 42.2 63.2
63 24.0 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: 118.42 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

Instrument :

BNA_F

ClientSampleId :

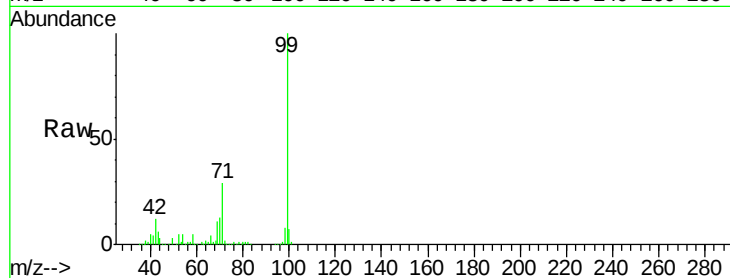
Tot Ion: 99 Resp: 692635

Ion Ratio Lower Upper

99 100

42 12.3 12.2 18.2

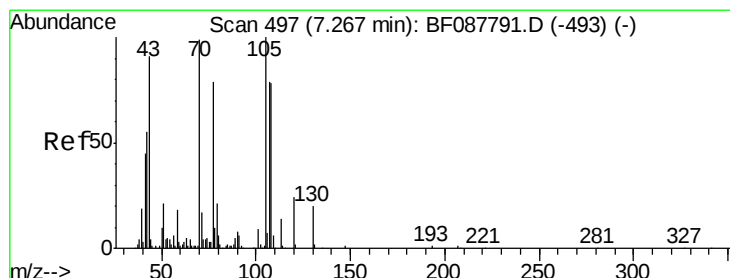
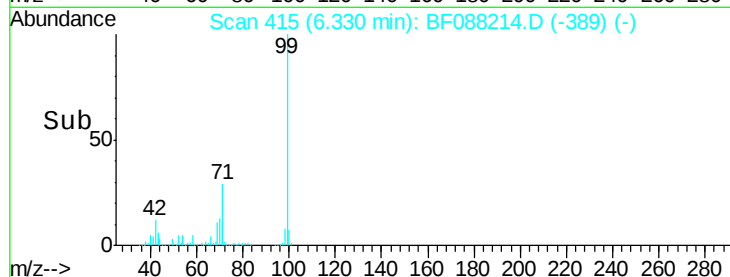
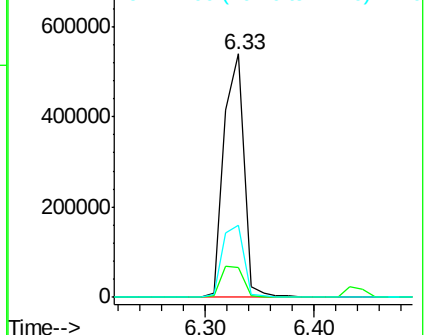
71 29.5 23.4 35.0



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: 11.98 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.14 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

Tgt Ion: 70 Resp: 44830

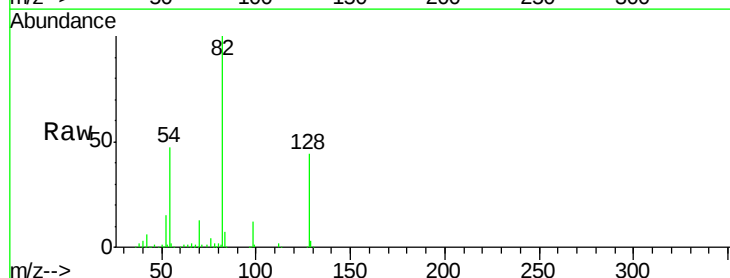
Ion Ratio Lower Upper

70 100

42 42.9 49.6 74.4#

101 0.0 7.1 10.7#

130 2.4 15.4 23.2#

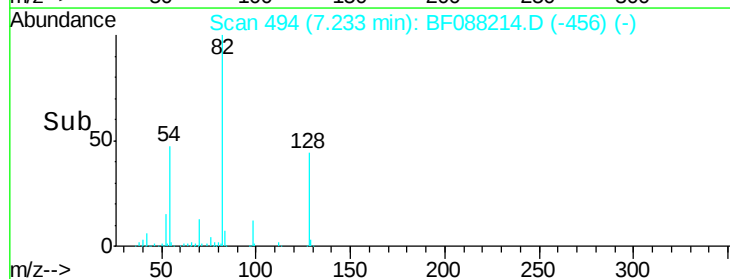
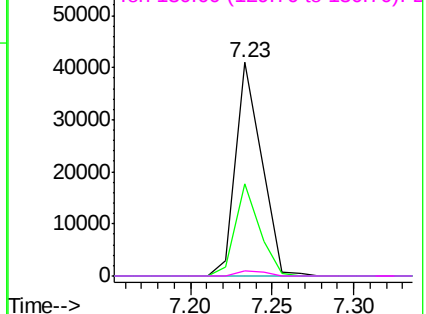


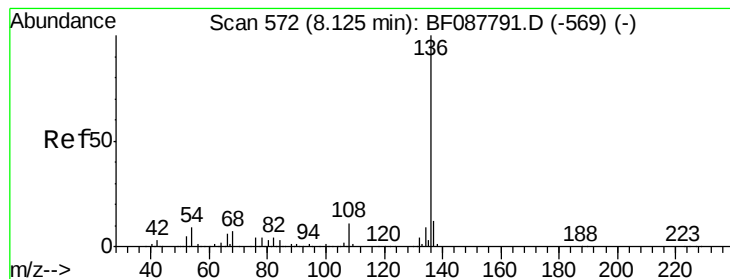
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.95 min Scan# 557

Delta R.T. 0.00 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 325874

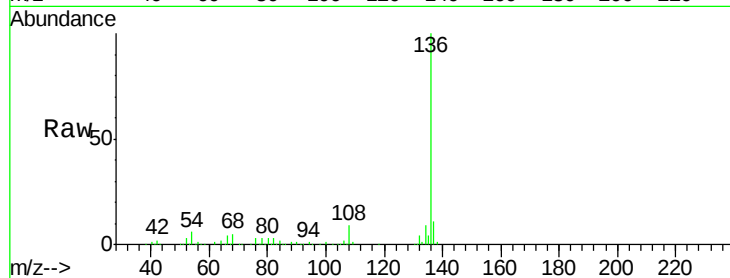
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.3 6.6 10.0#

68 5.5 5.1 7.7

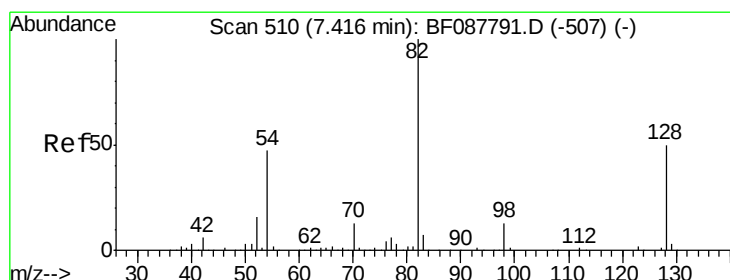
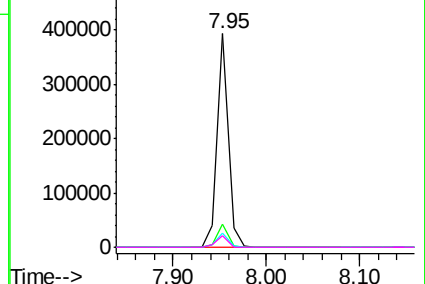
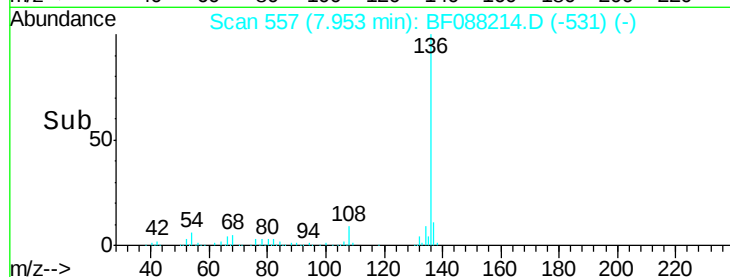


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.04 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

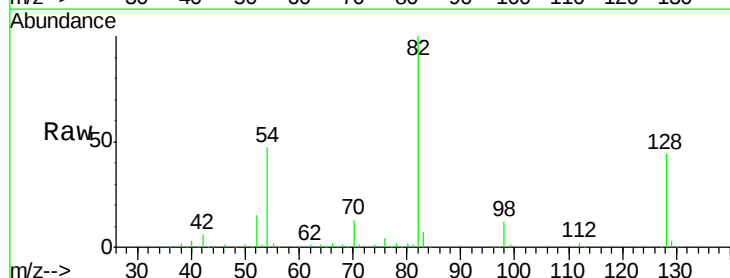
Tgt Ion: 82 Resp: 351793

Ion Ratio Lower Upper

82 100

128 44.4 35.9 53.9

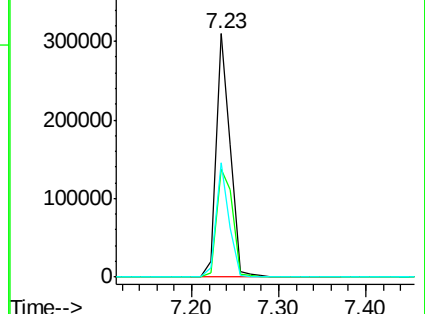
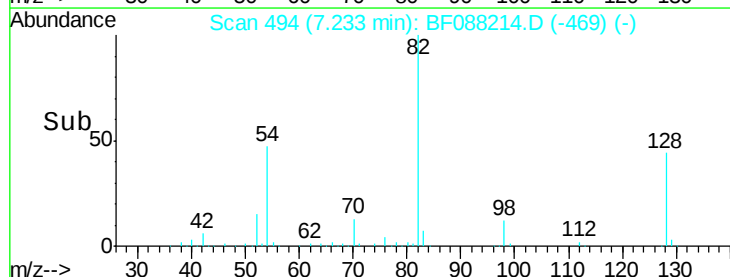
54 47.0 40.9 61.3

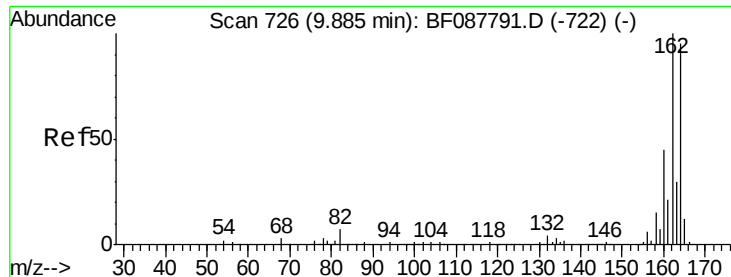


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

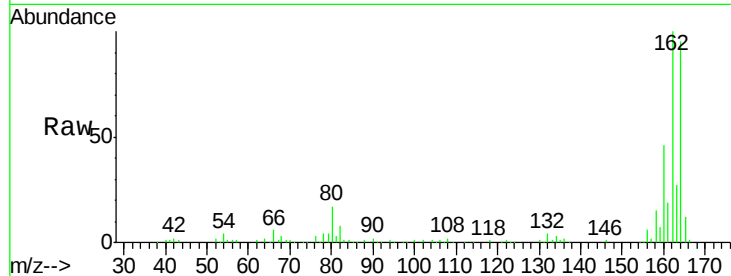




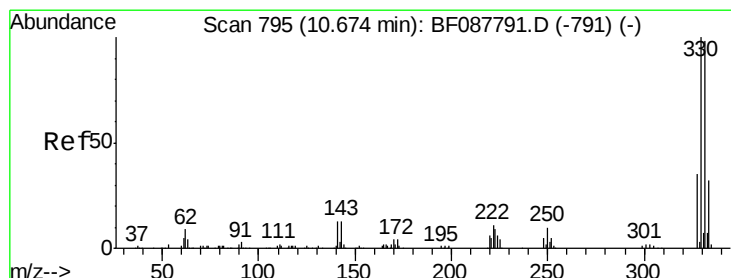
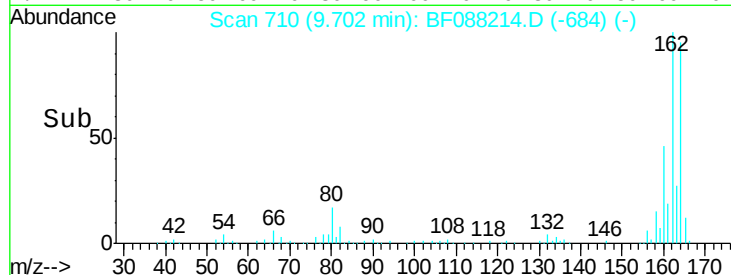
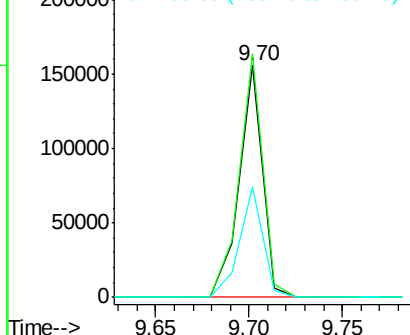
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF088214.D
Acq: 21 Jun 2016 12:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 136222
Ion Ratio Lower Upper
164 100
162 105.0 85.4 128.2
160 47.9 39.5 59.3

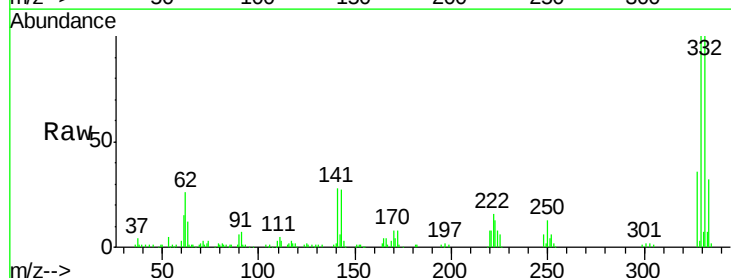


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

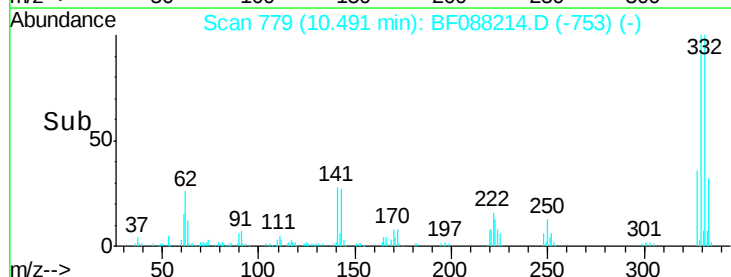
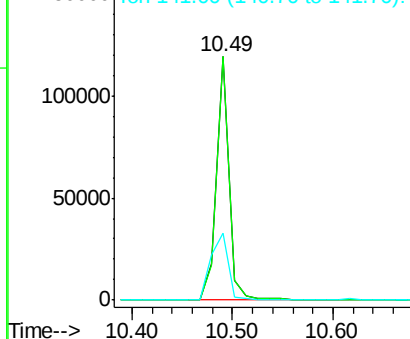


#41
2,4,6-Tribromophenol
Concen: 72.76 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF088214.D
Acq: 21 Jun 2016 12:20

Tgt Ion:330 Resp: 104661
Ion Ratio Lower Upper
330 100
332 98.9 0.0 0.0#
141 38.0 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

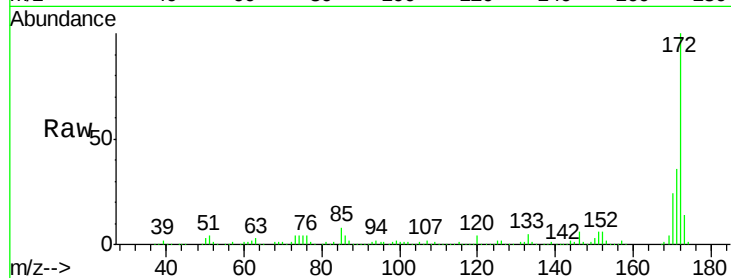




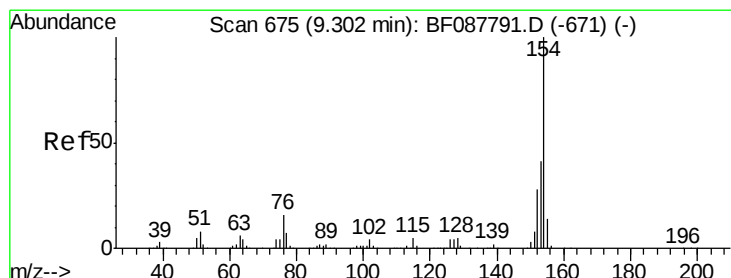
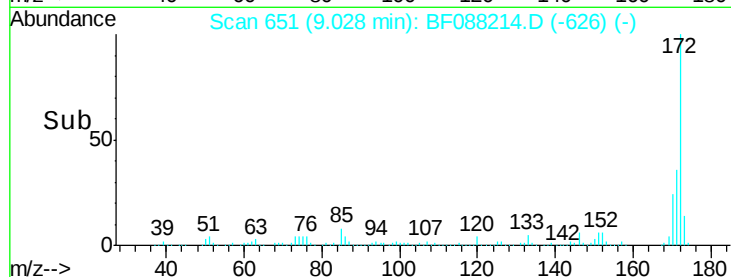
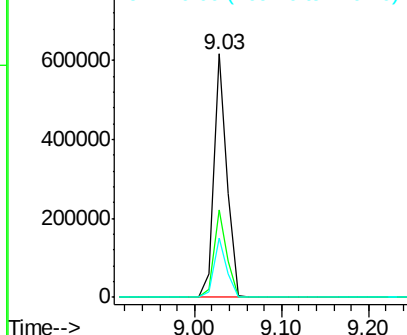
#44
 2-Fluorobiphenyl
 Concen: 74.18 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.01 min
 Lab File: BF088214.D
 Acq: 21 Jun 2016 12:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 649359
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 24.3 19.2 28.8

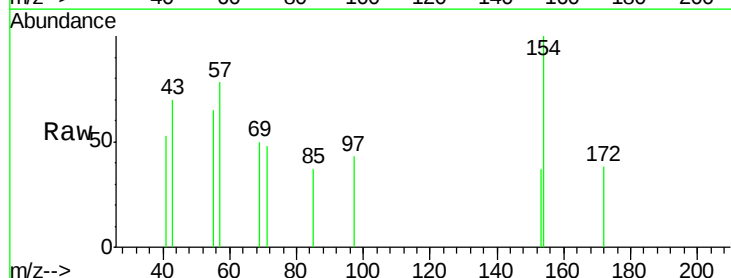


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

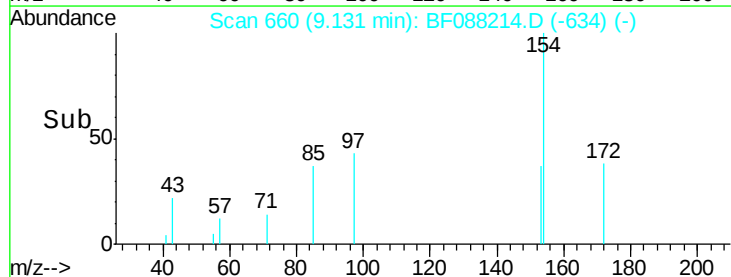
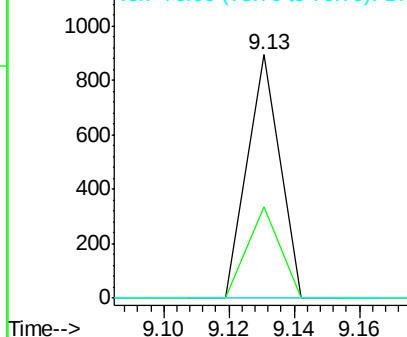


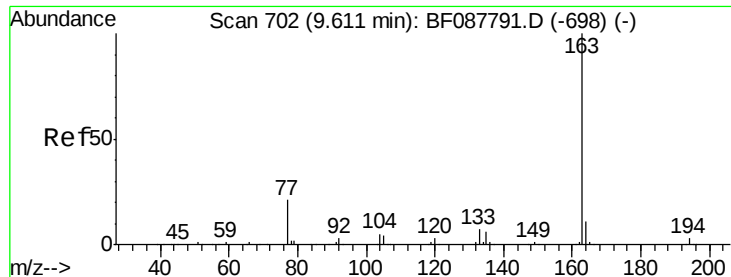
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.13 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: BF088214.D
 Acq: 21 Jun 2016 12:20

Tgt Ion:154 Resp: 613
 Ion Ratio Lower Upper
 154 100
 153 37.2 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: 22.20 ng

RT: 9.43 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

Instrument :

BNA_F

ClientSampleId :

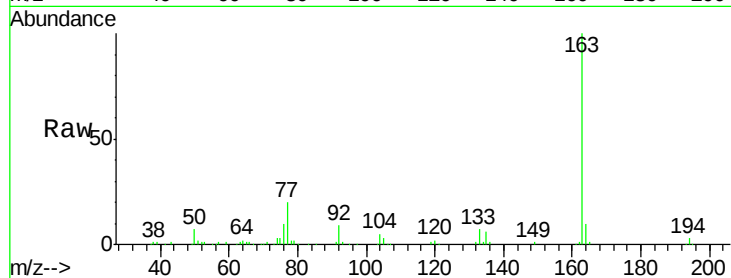
Tot Ion:163 Resp: 219092

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

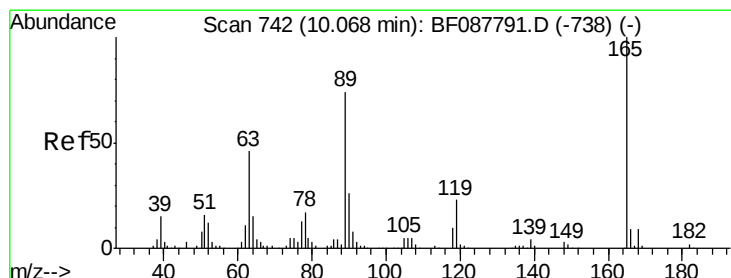
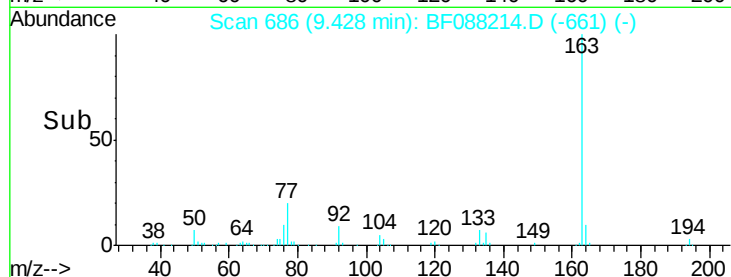
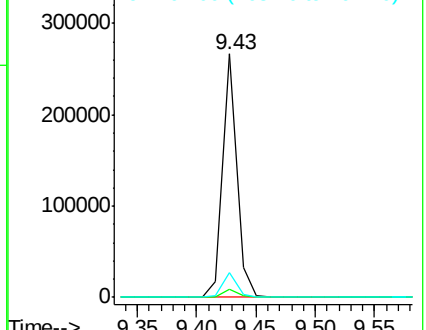
164 10.3 8.3 12.5



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: 6.04 ng

RT: 9.70 min Scan# 710

Delta R.T. -0.21 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

Tgt Ion:165 Resp: 17537

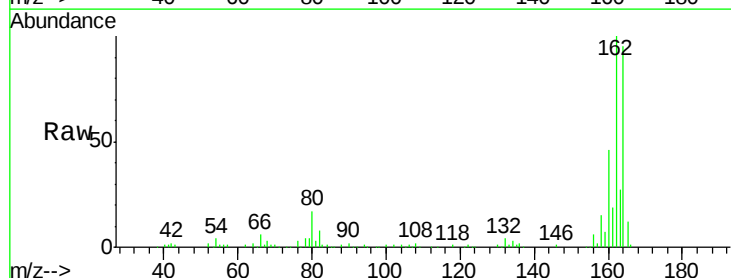
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

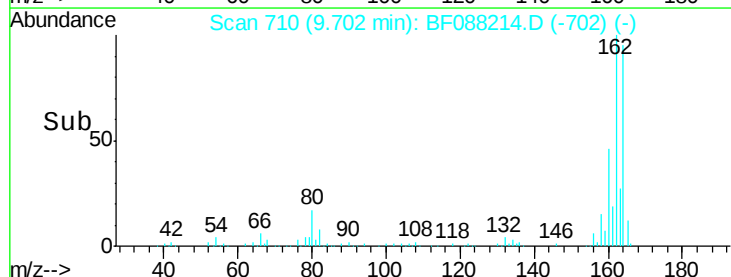
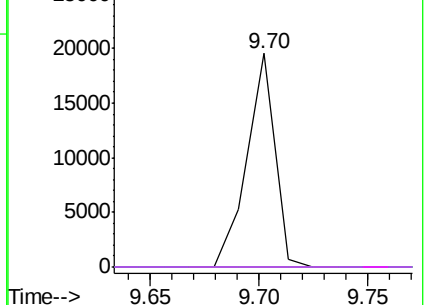


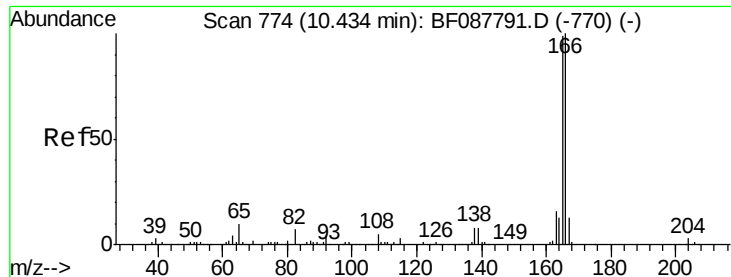
Abundance Ion 165.00 (164.70 to 165.70): E

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

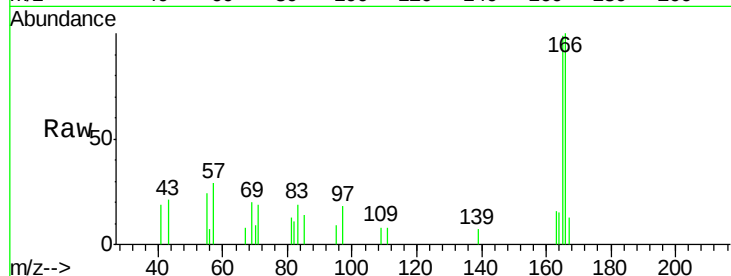




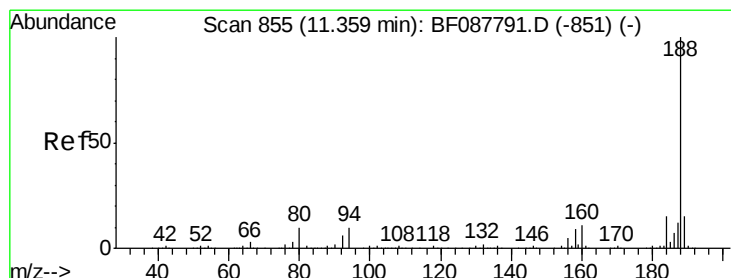
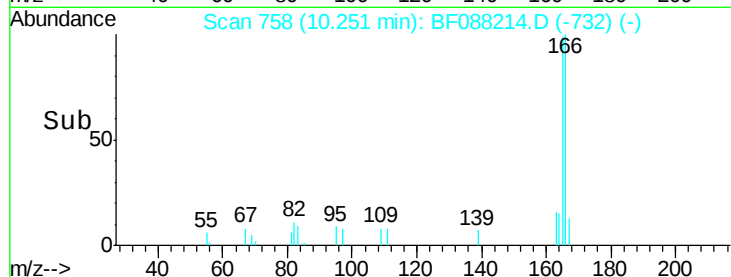
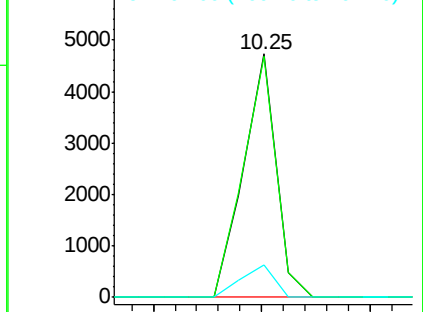
#57
 Fluorene
 Concen: Below Cal
 RT: 10.25 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF088214.D
 Acq: 21 Jun 2016 12:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 4928
 Ion Ratio Lower Upper
 166 100
 165 99.3 77.8 116.8
 167 13.1 11.2 16.8

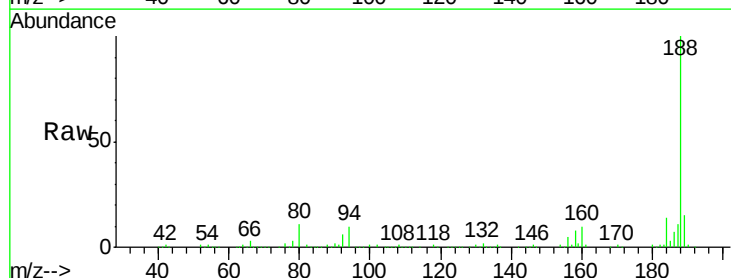


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

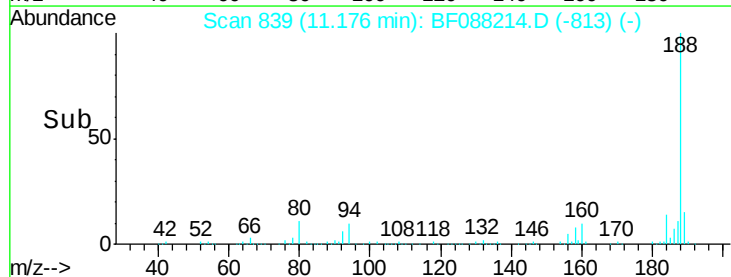
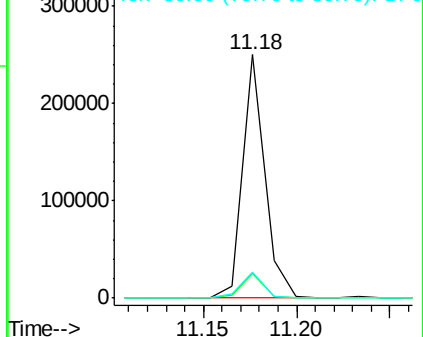


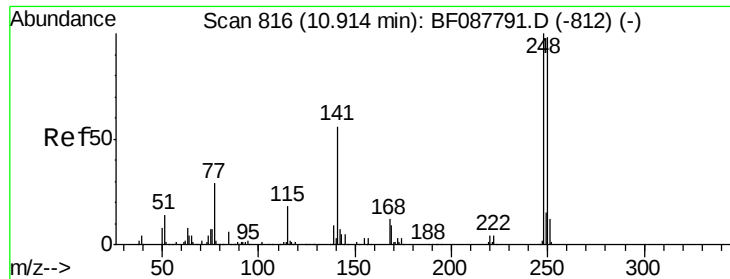
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. 0.00 min
 Lab File: BF088214.D
 Acq: 21 Jun 2016 12:20

Tgt Ion:188 Resp: 208351
 Ion Ratio Lower Upper
 188 100
 94 10.1 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

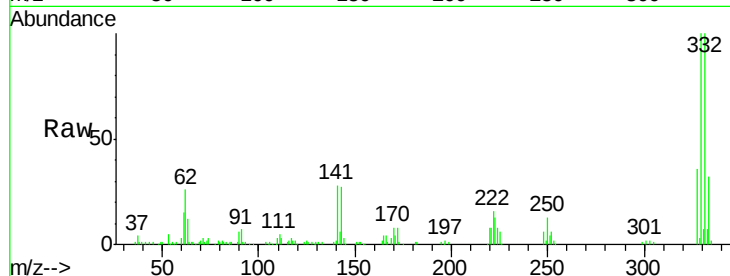




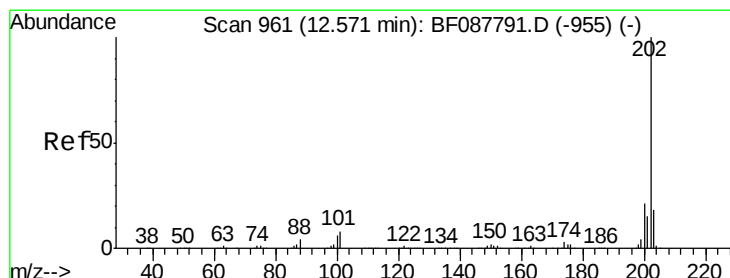
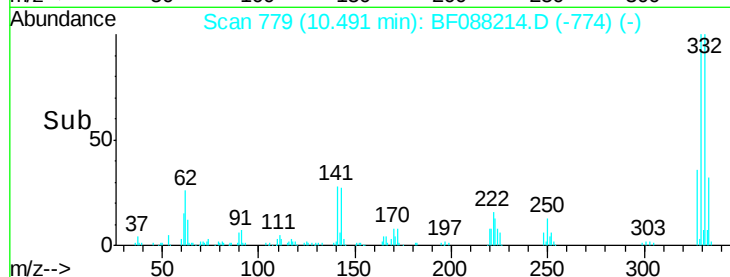
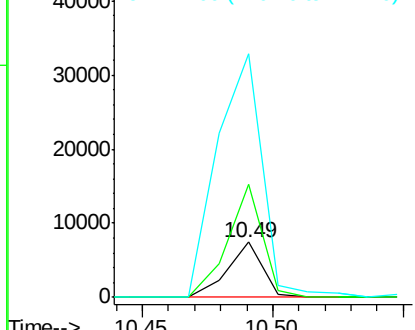
#66
 4-Bromophenyl-phenylether
 Concen: 3.13 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.24 min
 Lab File: BF088214.D
 Acq: 21 Jun 2016 12:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7004
 Ion Ratio Lower Upper
 248 100
 250 204.6 77.1 115.7#
 141 440.3 50.6 76.0#

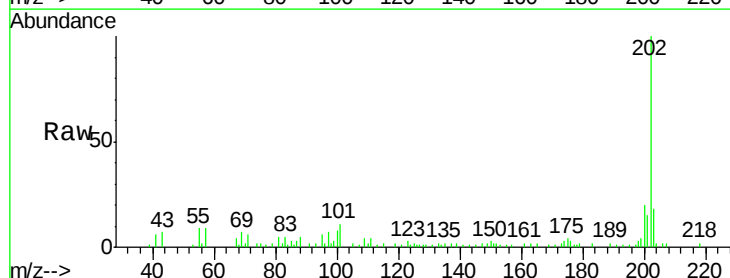


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

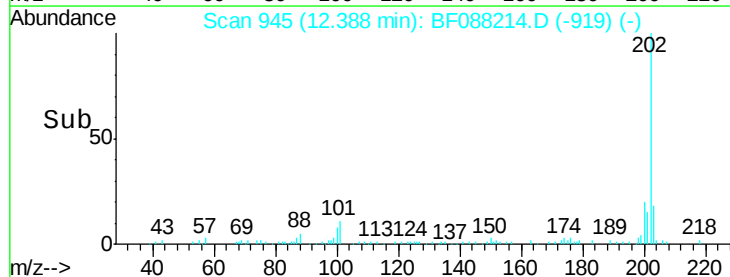
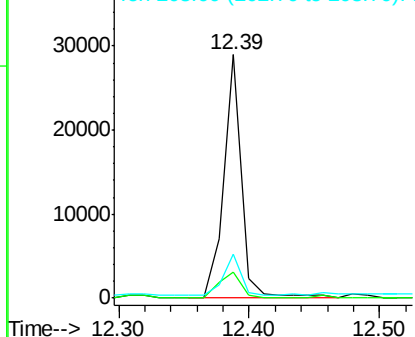


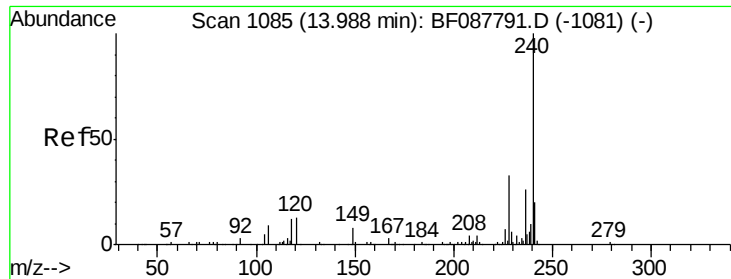
#74
 Fluoranthene
 Concen: 2.38 ng
 RT: 12.39 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF088214.D
 Acq: 21 Jun 2016 12:20

Tgt Ion:202 Resp: 27465
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 33.1
 203 18.1 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: BF088214.D

Acq: 21 Jun 2016 12:20

Instrument :

BNA_F

ClientSampleId :

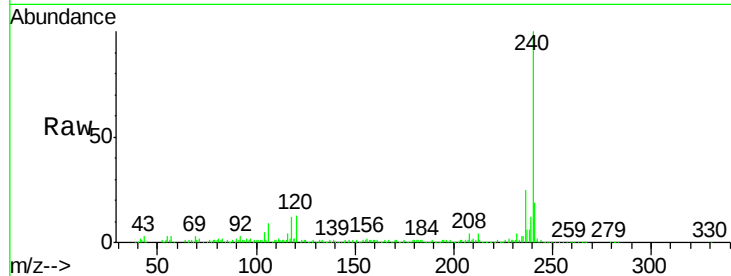
Tot Ion:240 Resp: 180678

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

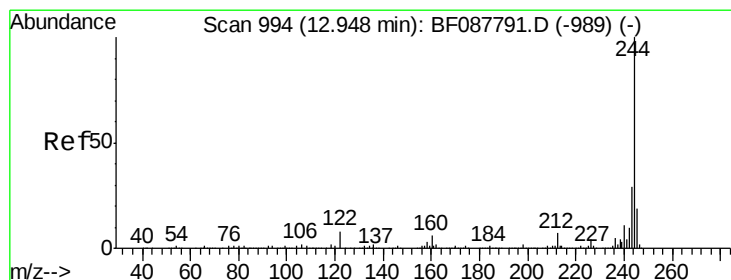
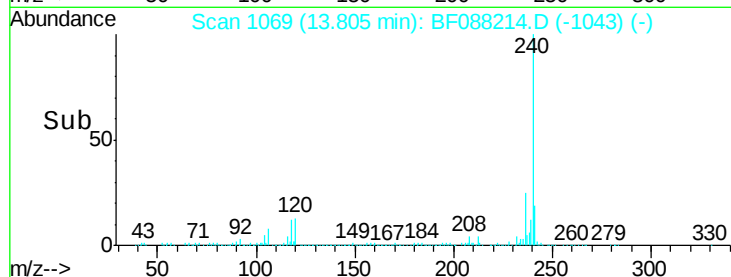
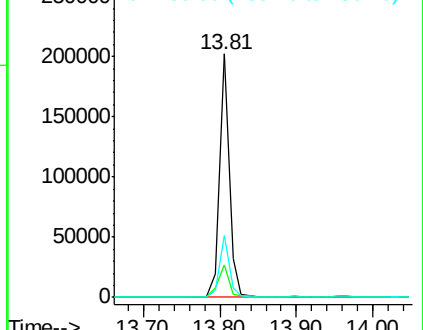
236 25.4 20.2 30.2



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



#78

Terphenyl-d14

Concen: 54.99 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

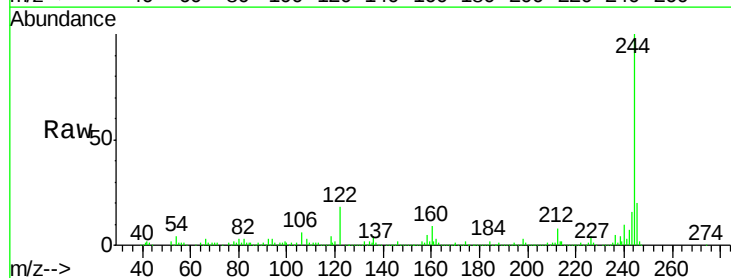
Tgt Ion:244 Resp: 436606

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

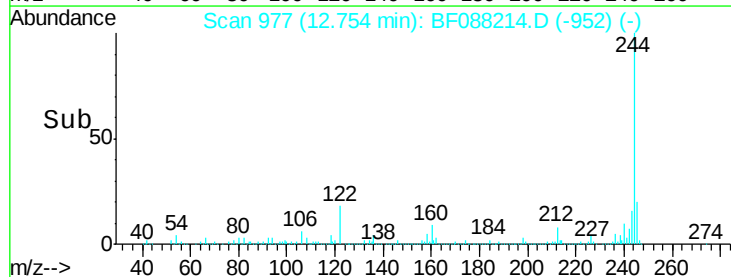
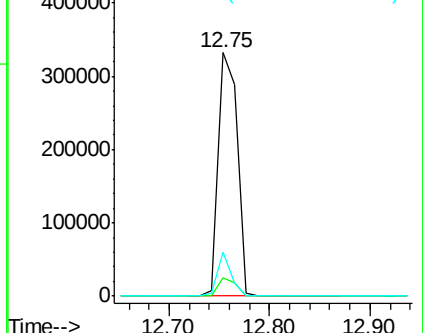
122 17.9 11.2 16.8#

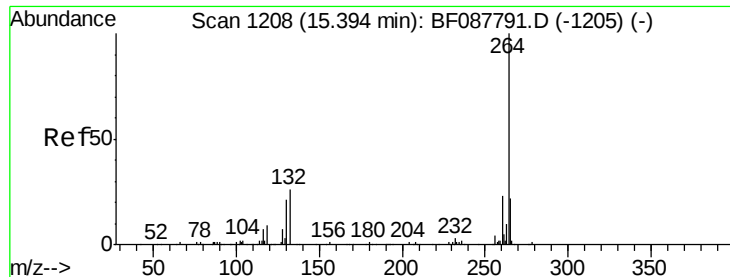


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

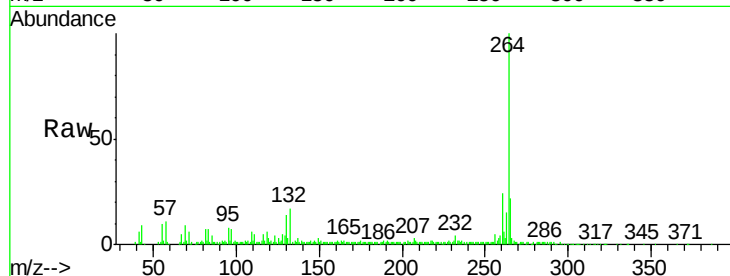




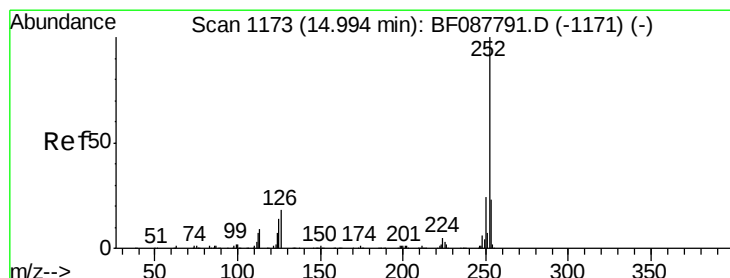
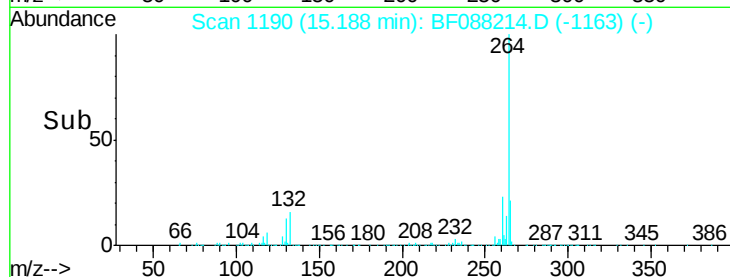
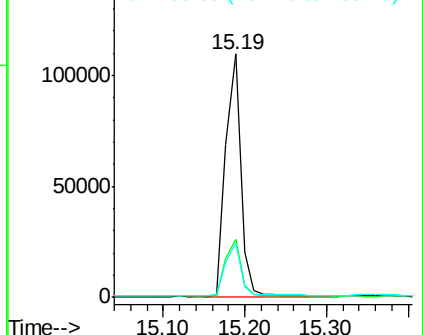
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. 0.01 min
Lab File: BF088214.D
Acq: 21 Jun 2016 12:20

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	16.9	25.3

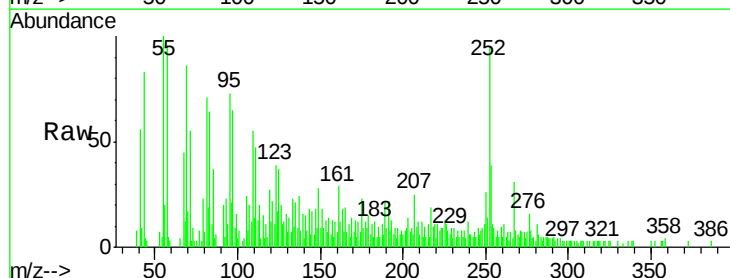


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

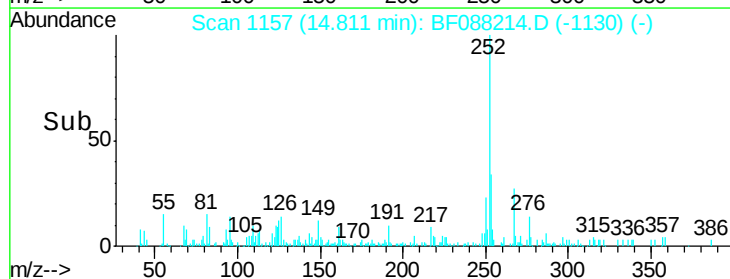
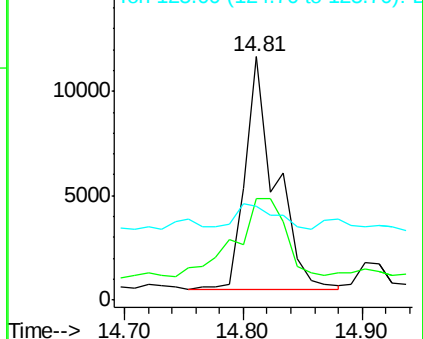


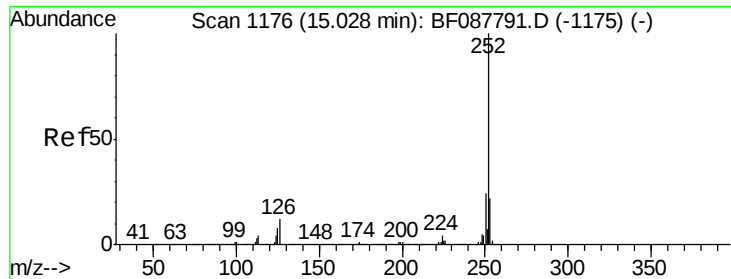
#87
Benzo(b)fluoranthene
Concen: 2.01 ng
RT: 14.81 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF088214.D
Acq: 21 Jun 2016 12:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.5	17.4	26.2#
125	38.7	7.1	10.7#



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





#88

Benzo(k)fluoranthene

Concen: 2.66 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.01 min

Lab File: BF088214.D

Acq: 21 Jun 2016 12:20

Instrument :

BNA_F

ClientSampleId :

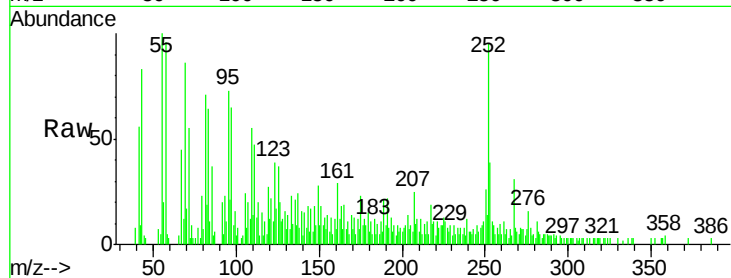
Tot Ion: 252 Resp: 19667

Ion Ratio Lower Upper

252 100

253 41.5 18.0 27.0#

125 38.7 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

