

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089058.D
 Acq On : 16 Jul 2016 16:41
 Operator : UM/SJ
 Sample : H3989-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 18 01:15:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

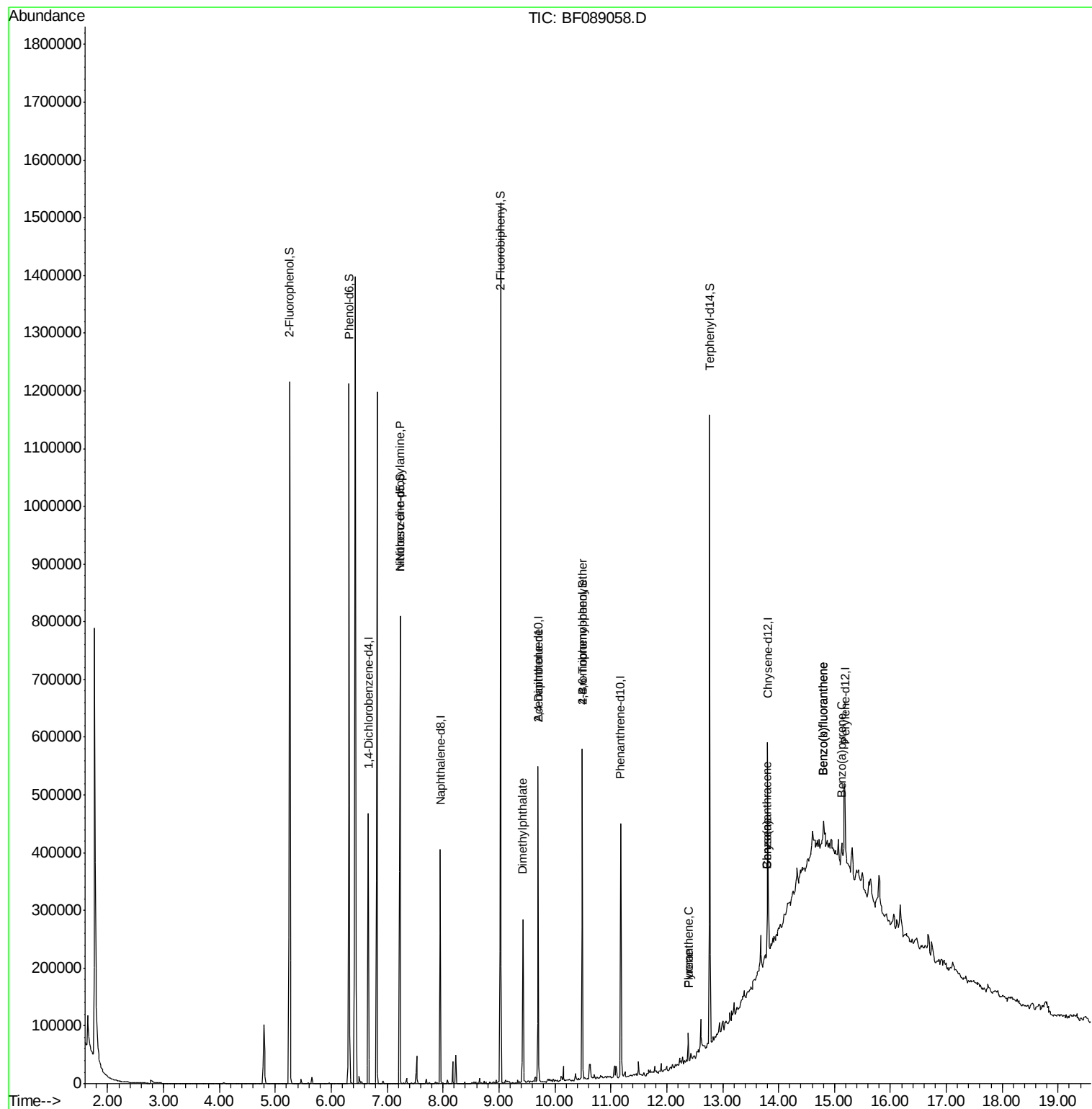
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	60474	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	230865	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	97404	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	140772	20.00	ng	-0.05
75) Chrysene-d12	13.81	240	107398	20.00	ng	-0.05
86) Perylene-d12	15.19	264	76583	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	329128	81.57	ng	-0.03
7) Phenol-d6	6.32	99	424473	81.41	ng	-0.03
23) Nitrobenzene-d5	7.23	82	292254	66.34	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	61302	67.77	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	437432	70.94	ng	-0.05
78) Terphenyl-d14	12.77	244	297785	61.76	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	40193	11.48	ng	# 72
49) Dimethylphthalate	9.43	163	100866	14.54	ng	100
56) 2,4-Dinitrotoluene	9.70	165	12726	6.33	ng	# 37
66) 4-Bromophenyl-phenylether	10.49	248	5075	3.58	ng	# 1
74) Fluoranthene	12.39	202	23192	2.97	ng	94
77) Pyrene	12.39	202	23192	2.55	ng	99
80) Benzo(a)anthracene	13.79	228	16241	2.35	ng	# 87
82) Chrysene	13.79	228	16241	2.37	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	19703	4.10	ng	# 32
88) Benzo(k)fluoranthene	14.80	252	19408	4.64	ng	# 37
89) Benzo(a)pyrene	15.13	252	9460	2.33	ng	# 46

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089058.D
Acq On : 16 Jul 2016 16:41
Operator : UM/SJ
Sample : H3989-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 18 01:15:05 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration



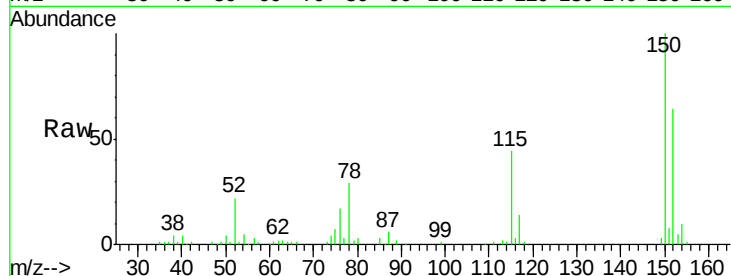


#1

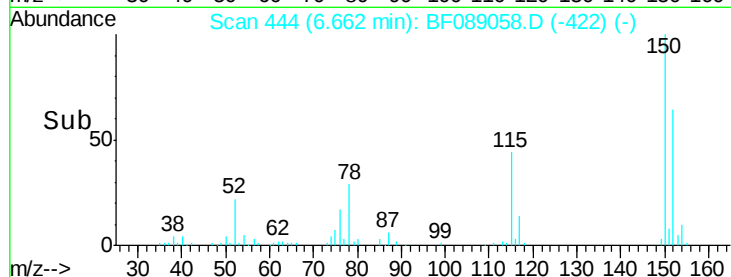
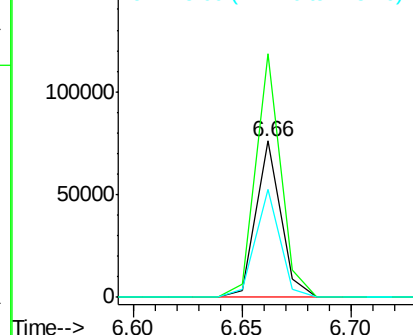
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 60474
Ion Ratio Lower Upper
152 100
150 156.1 123.8 185.6
115 69.0 39.6 59.4#



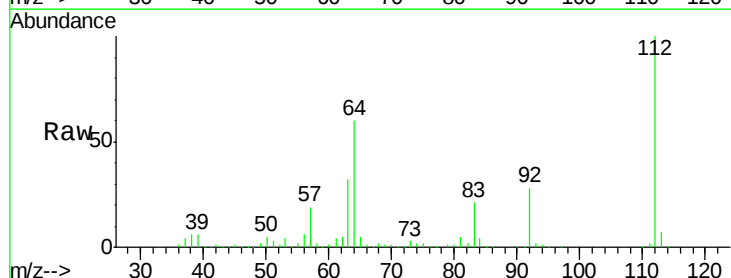
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



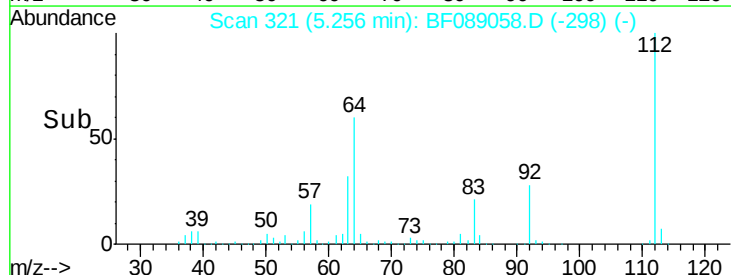
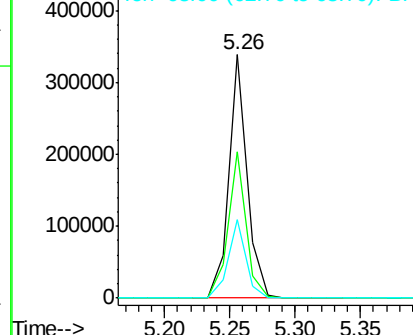
#5

2-Fluorophenol
Concen: 81.57 ng
RT: 5.26 min Scan# 321
Delta R.T. -0.03 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Tgt Ion:112 Resp: 329128
Ion Ratio Lower Upper
112 100
64 60.0 42.2 63.2
63 32.5 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: 81.41 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

Instrument :

BNA_F

ClientSampled :

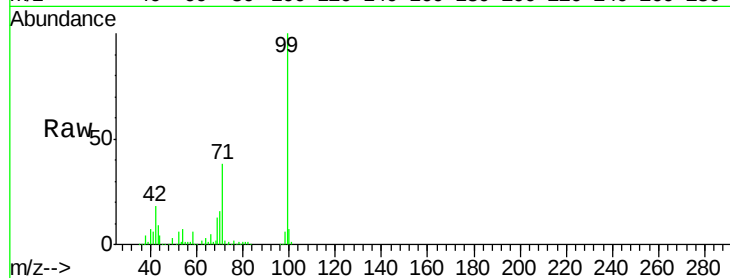
Tot Ion: 99 Resp: 424473

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

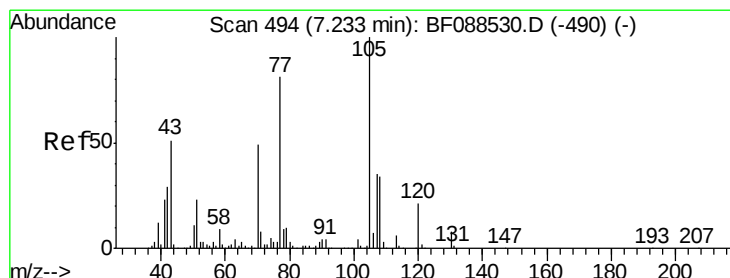
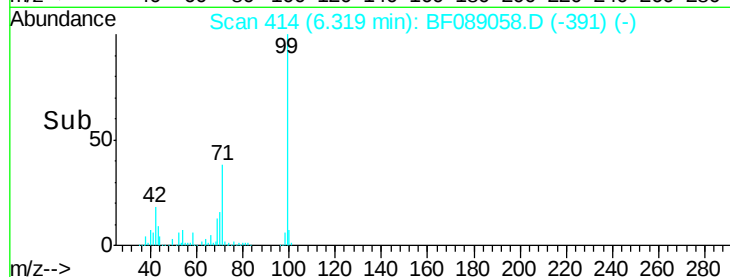
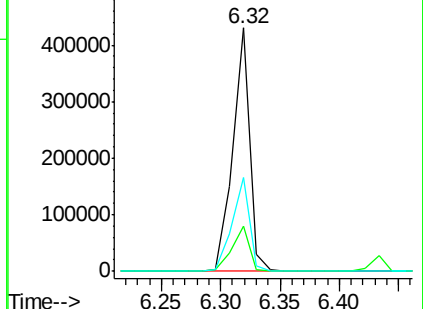
71 38.4 23.4 35.0#



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: 11.48 ng

RT: 7.23 min Scan# 494

Delta R.T. 0.09 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

Tgt Ion: 70 Resp: 40193

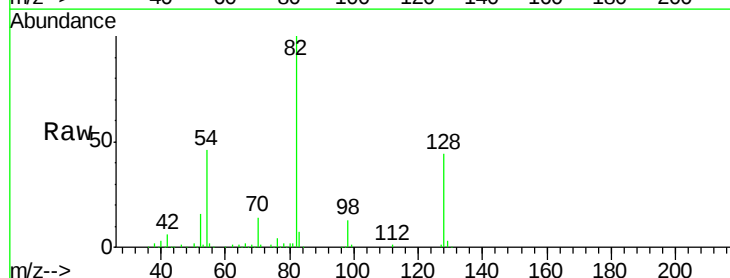
Ion Ratio Lower Upper

70 100

42 42.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

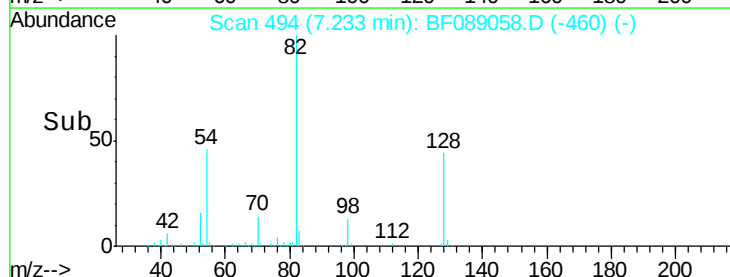
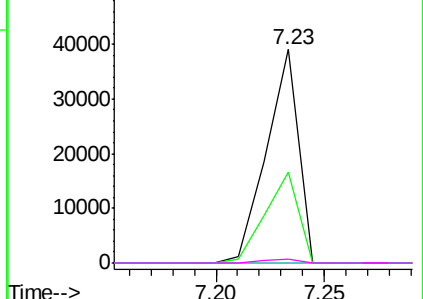


Abundance Ion 70.00 (69.70 to 70.70): BF0

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. -0.05 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 230865

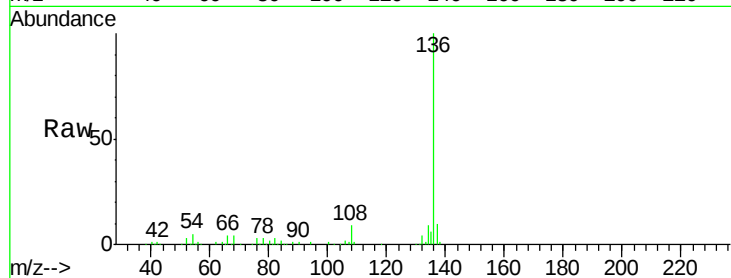
Ion Ratio Lower Upper

136 100

137 10.2 9.1 13.7

54 4.8 6.6 10.0#

68 4.0 5.1 7.7#

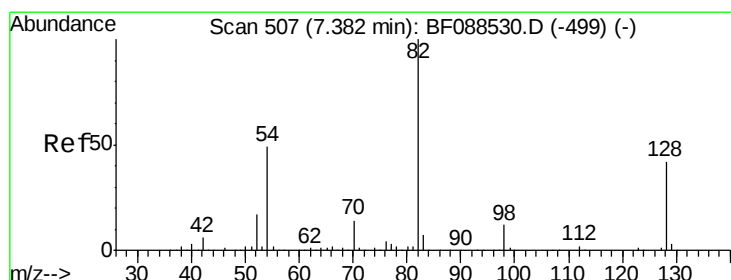
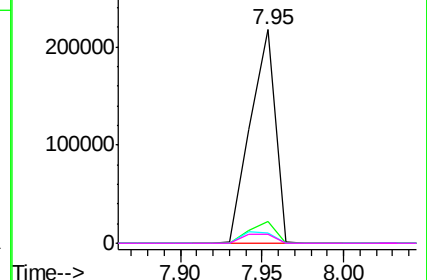
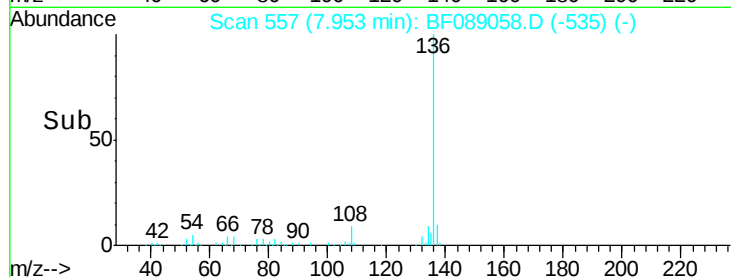


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.34 ng

RT: 7.23 min Scan# 494

Delta R.T. -0.05 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

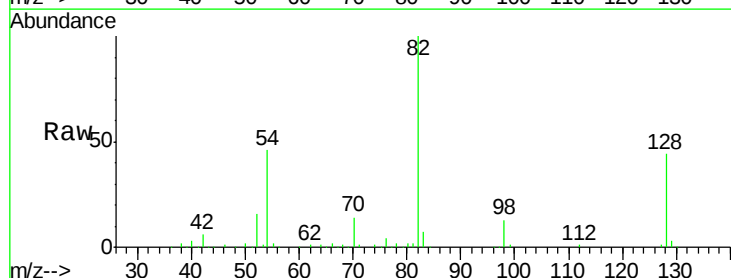
Tgt Ion: 82 Resp: 292254

Ion Ratio Lower Upper

82 100

128 43.5 35.9 53.9

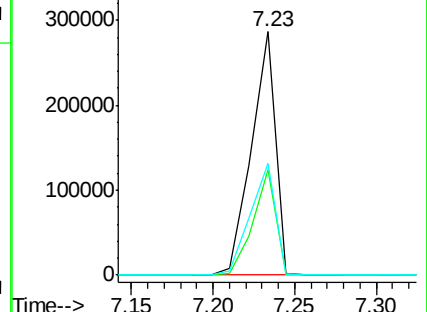
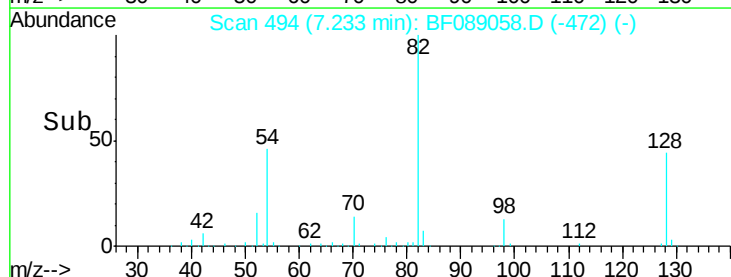
54 45.9 40.9 61.3

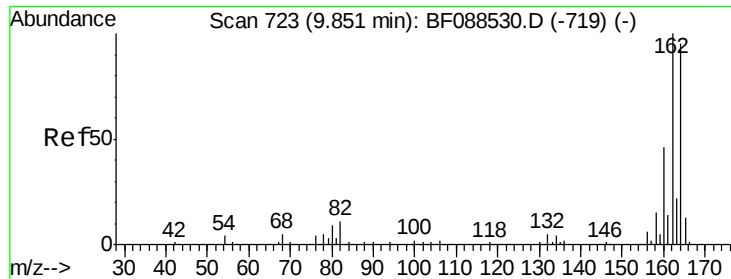


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

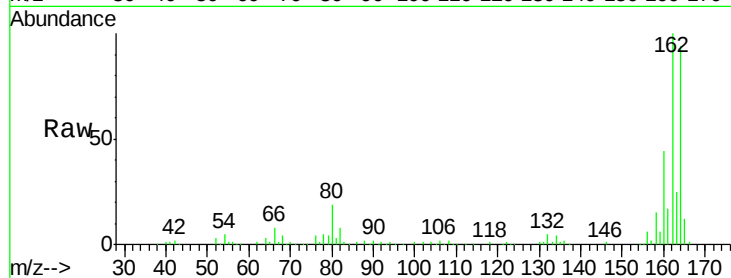




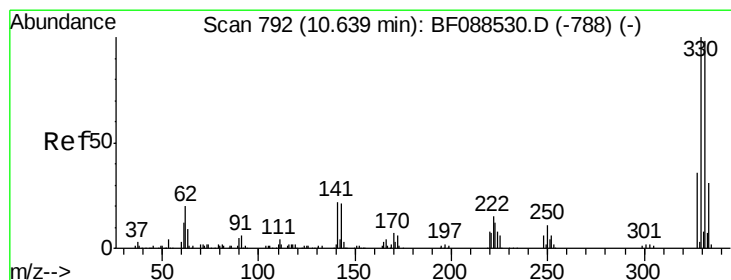
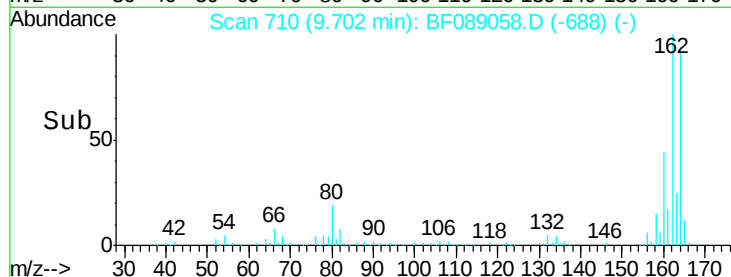
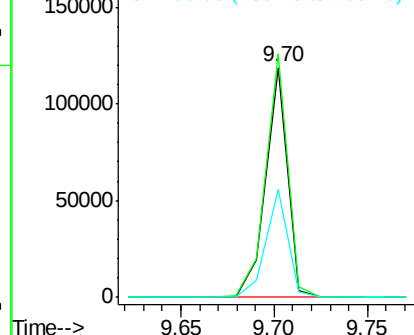
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF089058.D
 Acq: 16 Jul 2016 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 97404
 Ion Ratio Lower Upper
 164 100
 162 105.9 85.4 128.2
 160 46.9 39.5 59.3

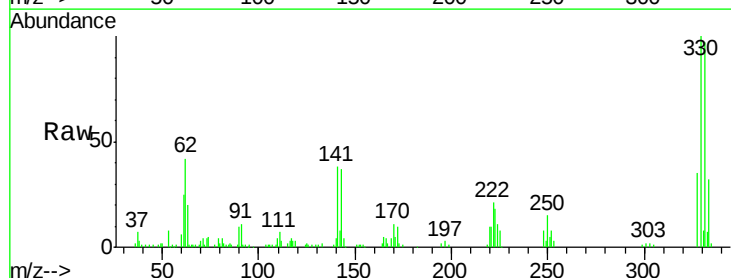


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

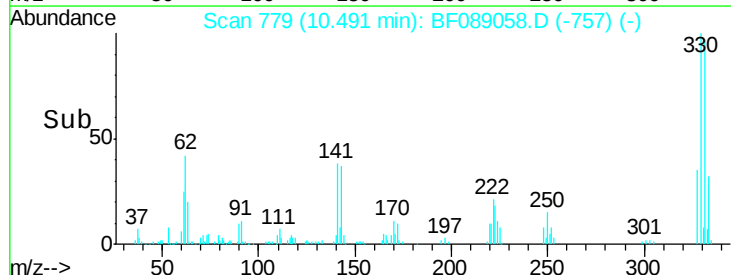
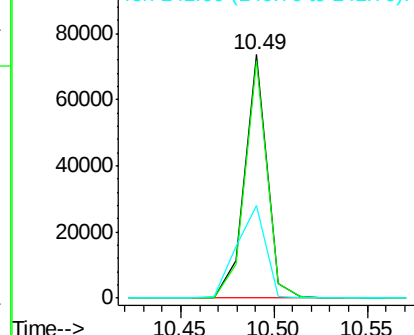


#41
 2,4,6-Tribromophenol
 Concen: 67.77 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089058.D
 Acq: 16 Jul 2016 16:41

Tgt Ion:330 Resp: 61302
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 49.6 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

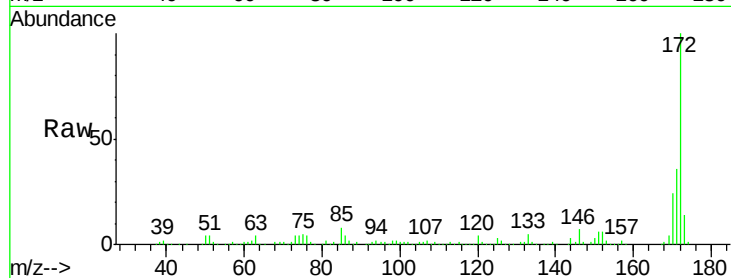




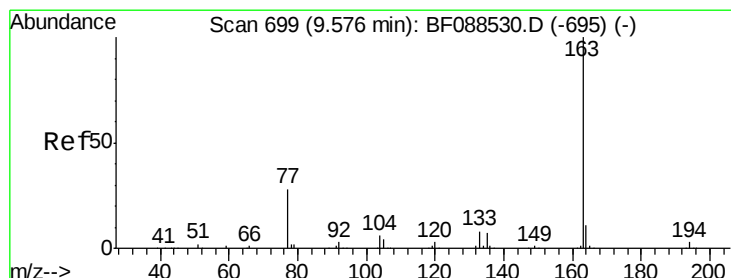
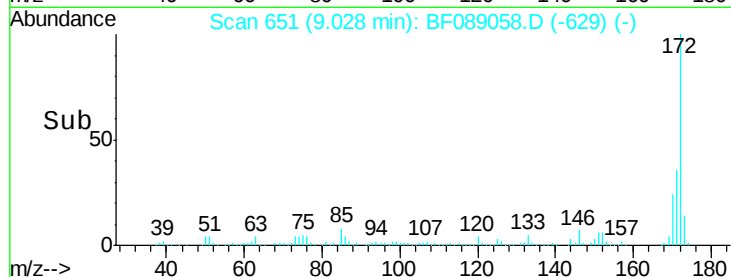
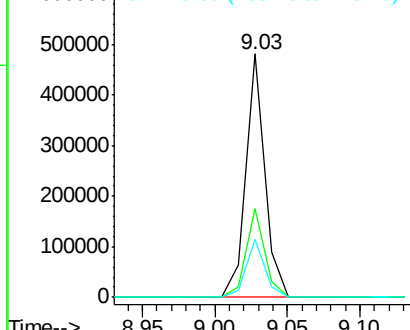
#44
2-Fluorobiphenyl
Concen: 70.94 ng
RT: 9.03 min Scan# 651
Delta R.T. -0.05 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 437432
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.8 19.2 28.8

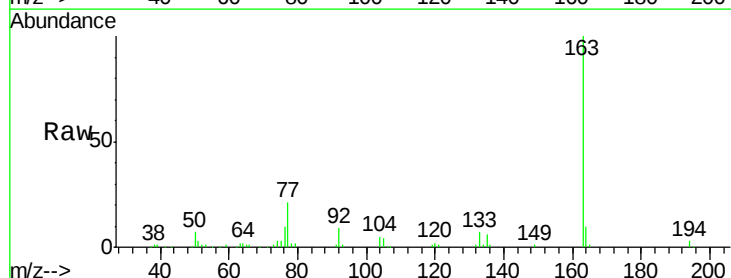


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

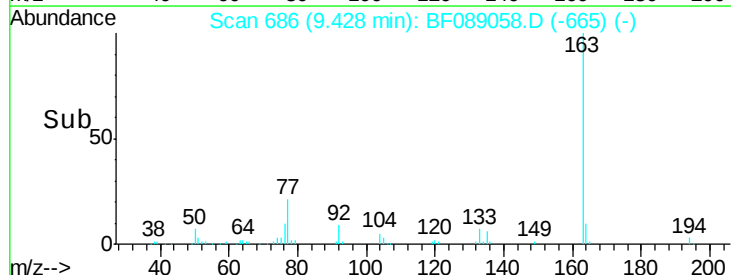
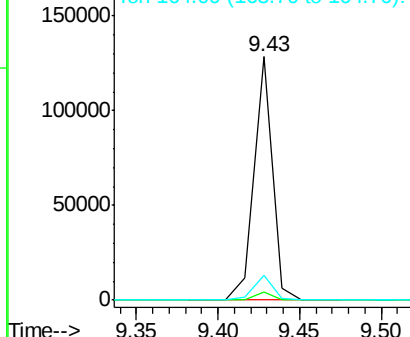


#49
Dimethylphthalate
Concen: 14.54 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Tgt Ion:163 Resp: 100866
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.2 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

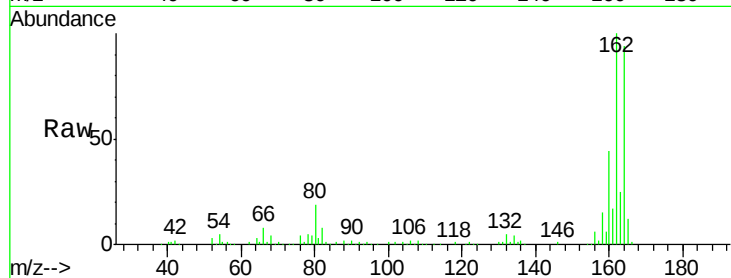




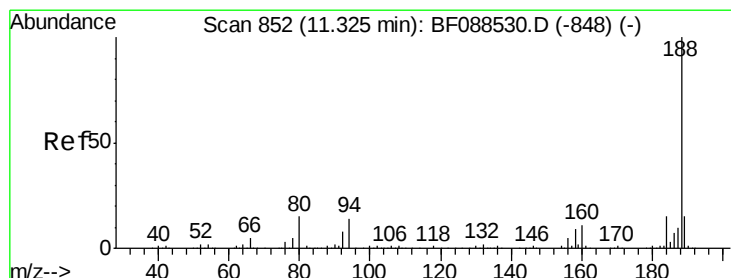
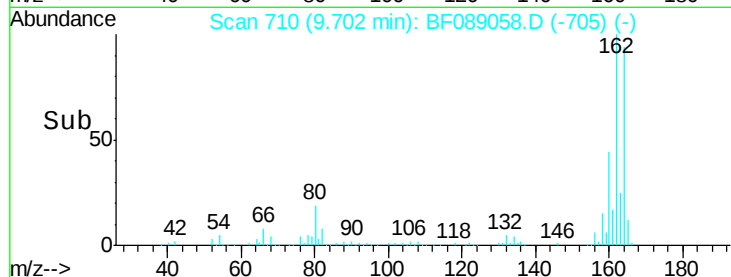
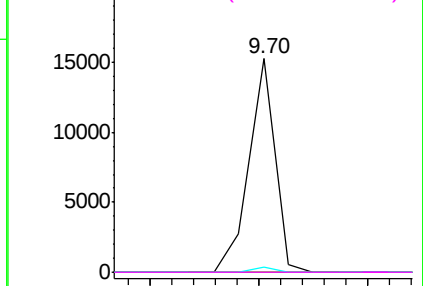
#56
 2,4-Dinitrotoluene
 Concen: 6.33 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.24 min
 Lab File: BF089058.D
 Acq: 16 Jul 2016 16:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	12726
Ion Ratio	Lower	Upper
165	100	
63	0.0	22.0 33.0#
89	2.2	41.1 61.7#
182	0.0	2.0 3.0#

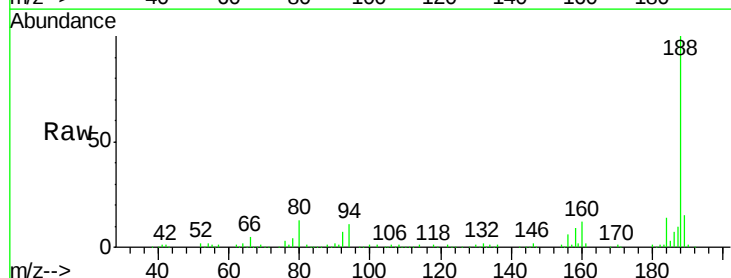


Abundance Ion 165.00 (164.70 to 165.70): E

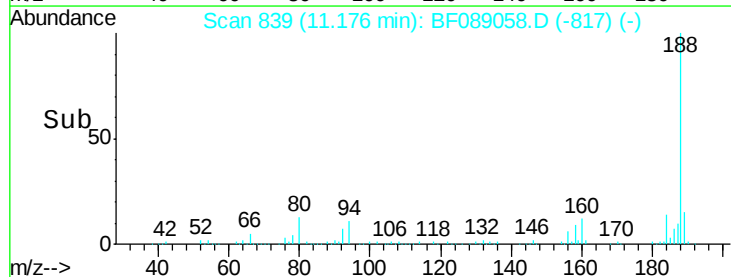
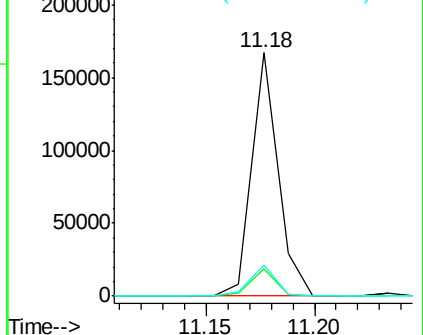


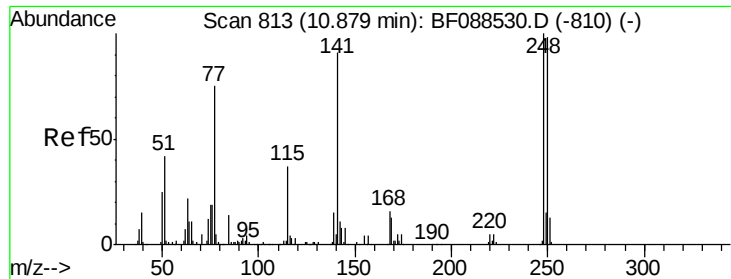
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.18 min Scan# 839
 Delta R.T. -0.05 min
 Lab File: BF089058.D
 Acq: 16 Jul 2016 16:41

Tgt Ion:188	Resp:	140772
Ion Ratio	Lower	Upper
188	100	
94	11.2	9.0 13.6
80	12.9	10.0 15.0



Abundance Ion 188.00 (187.70 to 188.70): E

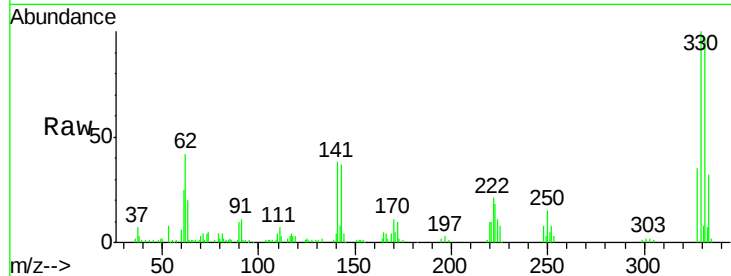




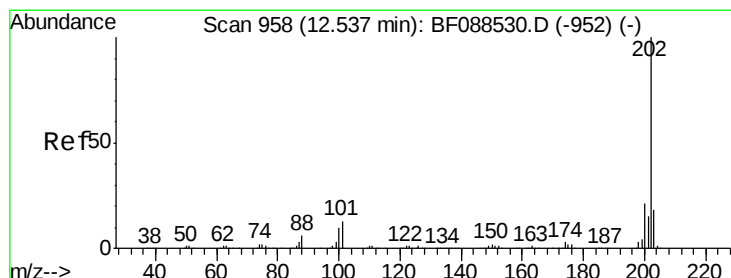
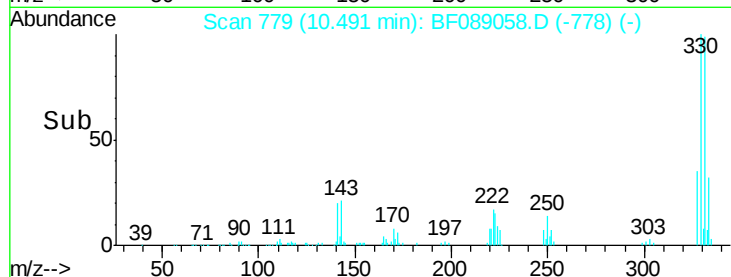
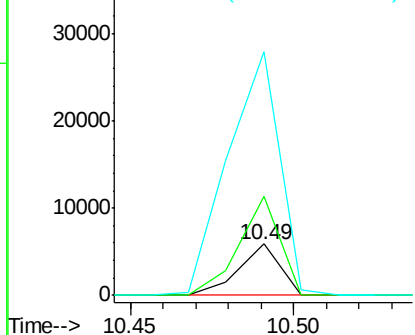
#66
4-Bromophenyl-phenylether
Concen: 3.58 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.29 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 5075
Ion Ratio Lower Upper
248 100
250 193.3 77.1 115.7#
141 474.3 50.6 76.0#

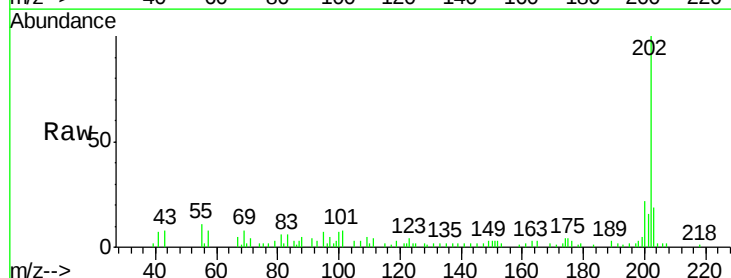


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

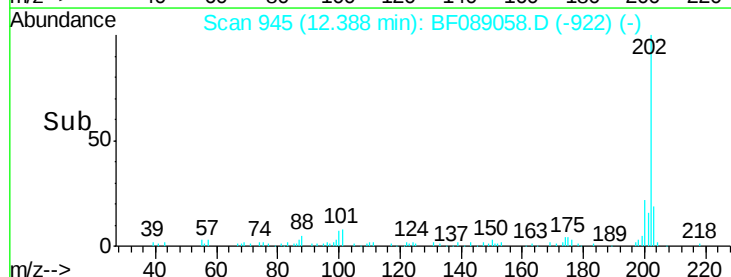
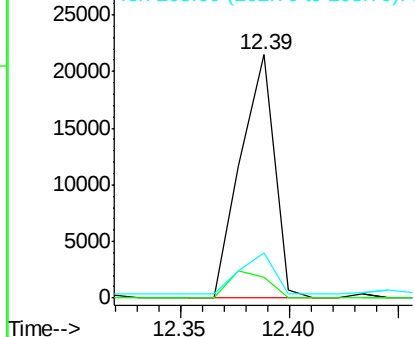


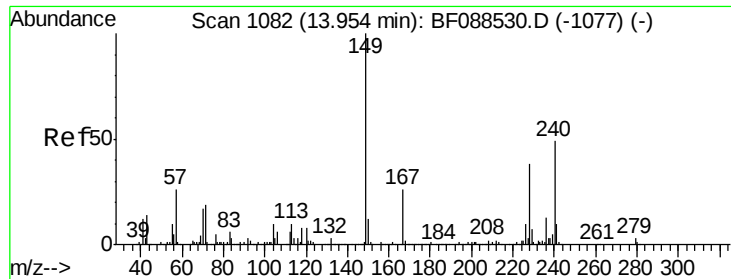
#74
Fluoranthene
Concen: 2.97 ng
RT: 12.39 min Scan# 945
Delta R.T. -0.03 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Tgt Ion:202 Resp: 23192
Ion Ratio Lower Upper
202 100
101 8.4 0.0 33.1
203 18.6 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. -0.05 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

Instrument :

BNA_F

ClientSampleId :

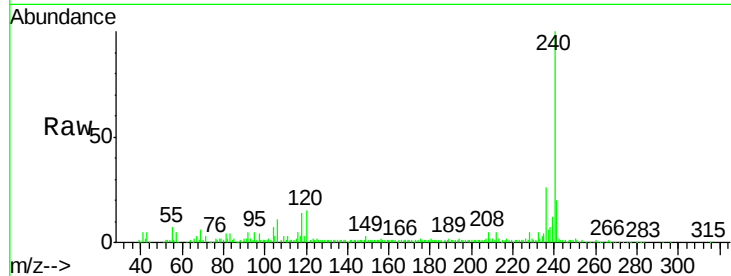
Tot Ion:240 Resp: 107398

Ion Ratio Lower Upper

240 100

120 14.8 6.8 10.2#

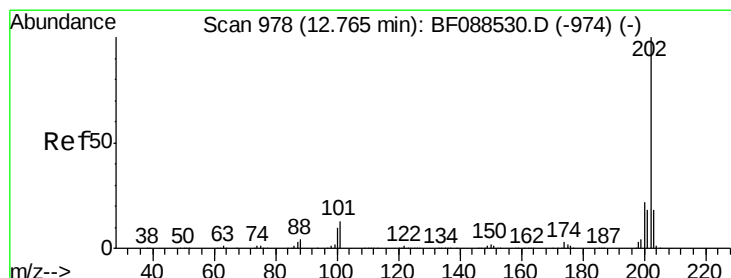
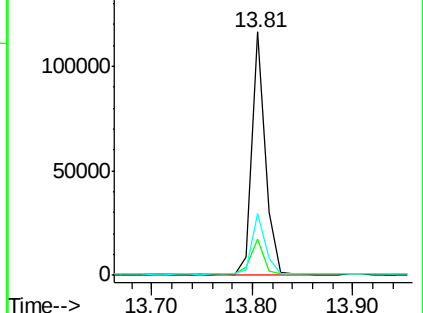
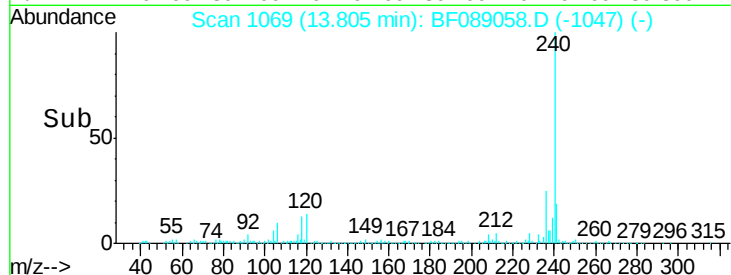
236 25.6 20.2 30.2



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: 2.55 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.26 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

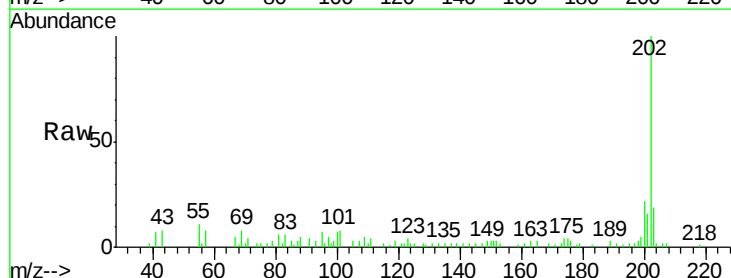
Tgt Ion:202 Resp: 23192

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

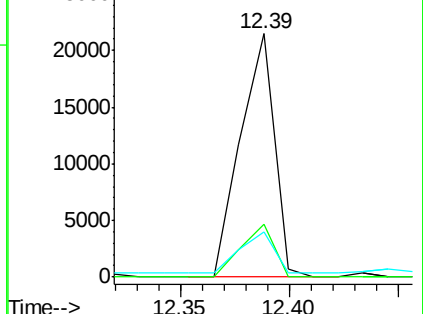
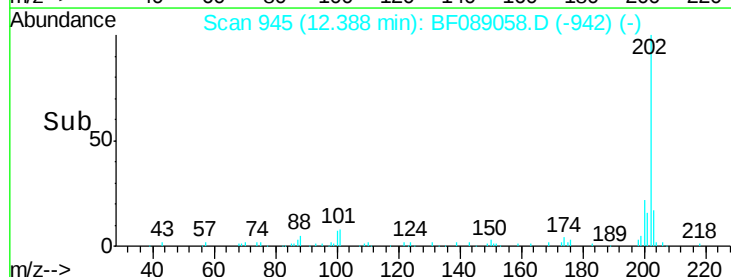
203 18.6 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 61.76 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

Instrument :

BNA_F

ClientSampleId :

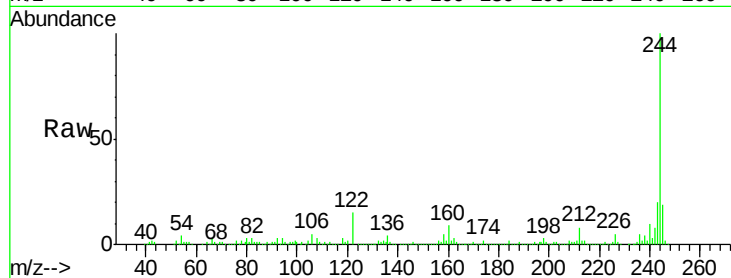
Tot Ion:244 Resp: 297785

Ion Ratio Lower Upper

244 100

212 8.4 6.0 9.0

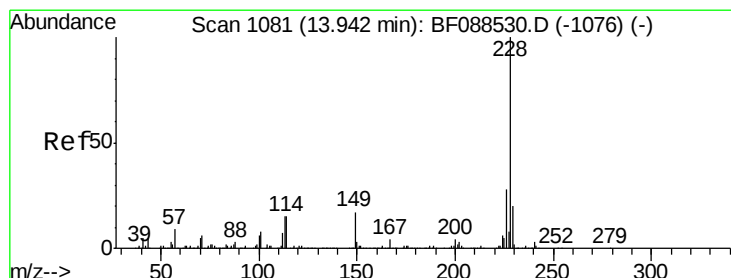
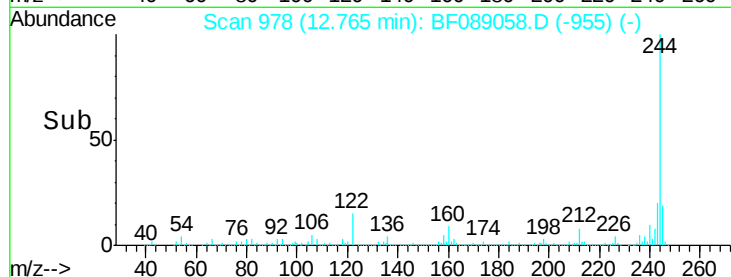
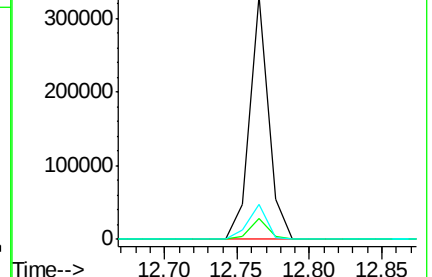
122 14.5 11.2 16.8



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



#80

Benzo(a)anthracene

Concen: 2.35 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.05 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

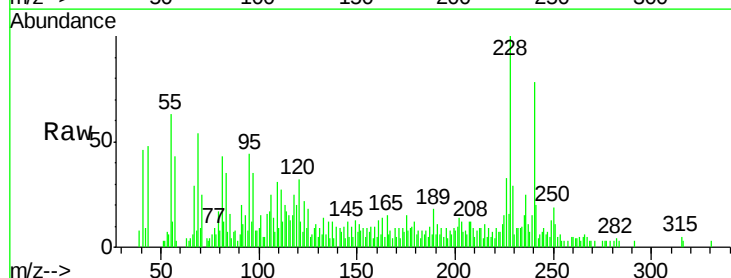
Tgt Ion:228 Resp: 16241

Ion Ratio Lower Upper

228 100

226 32.9 22.3 33.5

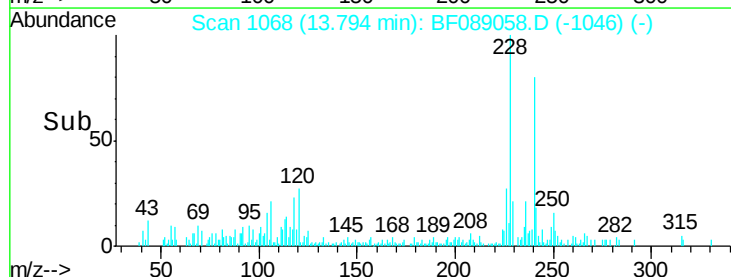
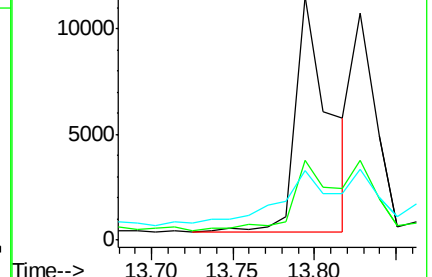
229 28.7 16.0 24.0#

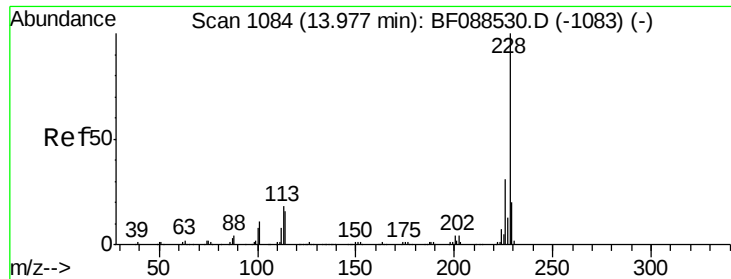


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

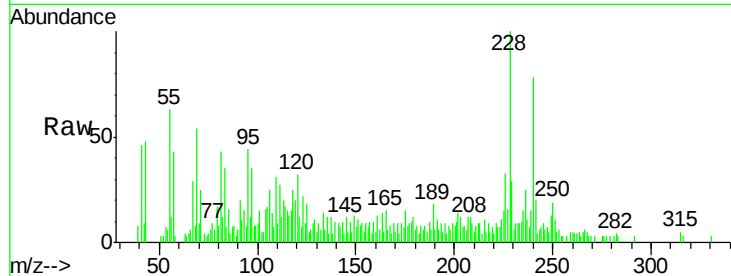




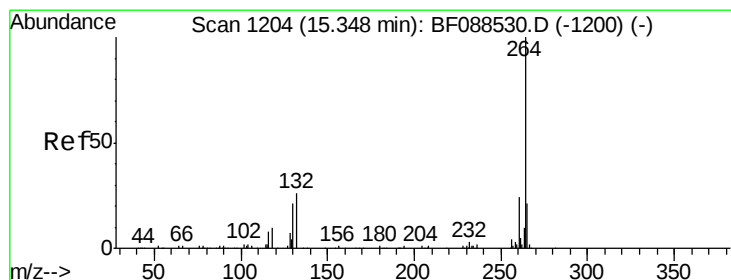
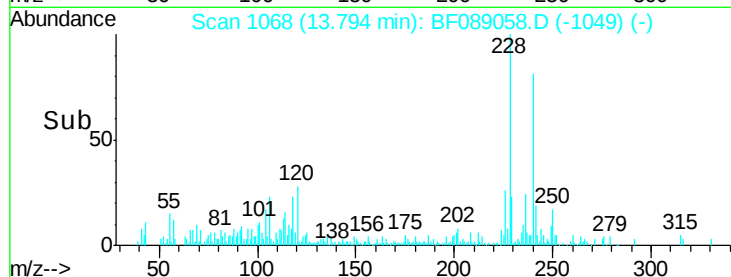
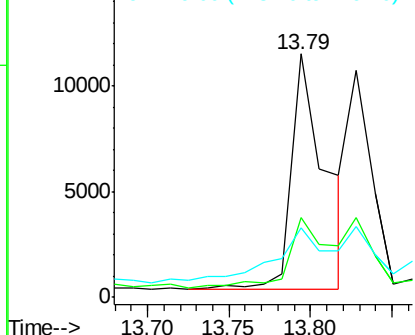
#82
Chrysene
Concen: 2.37 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.08 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 16241
Ion Ratio Lower Upper
228 100
226 32.9 25.4 38.2
229 28.7 16.3 24.5#

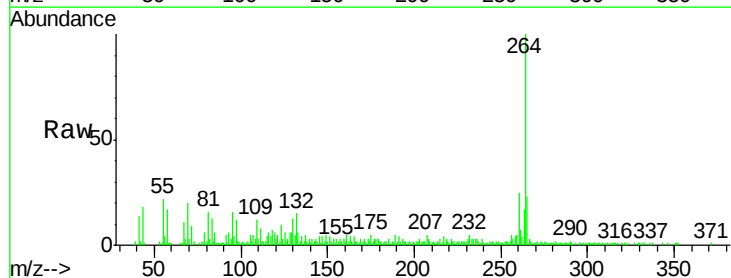


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

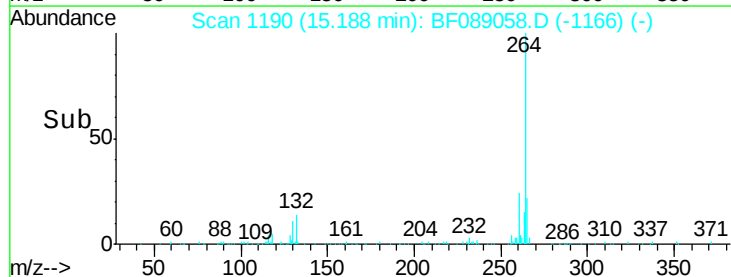
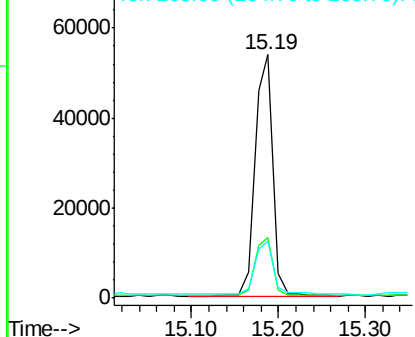


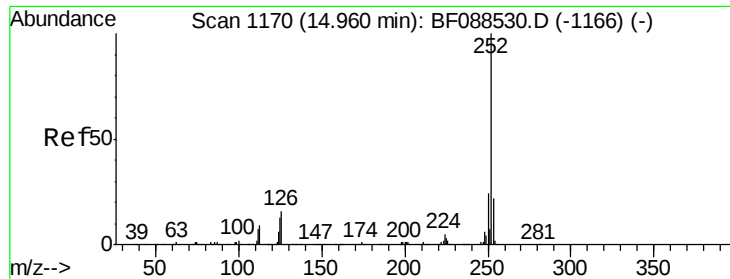
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.19 min Scan# 1190
Delta R.T. -0.02 min
Lab File: BF089058.D
Acq: 16 Jul 2016 16:41

Tgt Ion:264 Resp: 76583
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 23.4 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





#87

Benzo(b)fluoranthene

Concen: 4.10 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

Instrument :

BNA_F

ClientSampleId :

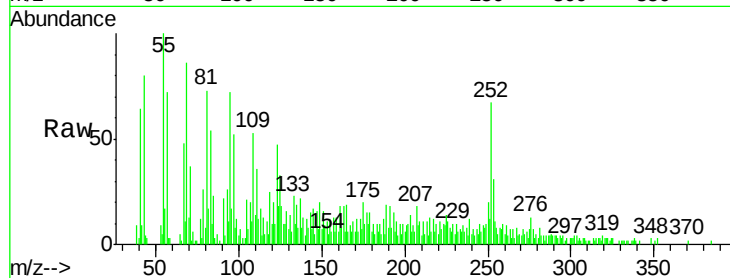
Tot Ion:252 Resp: 19703

Ion Ratio Lower Upper

252 100

253 45.7 17.4 26.2#

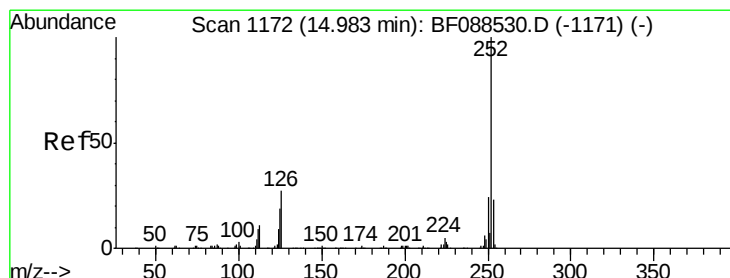
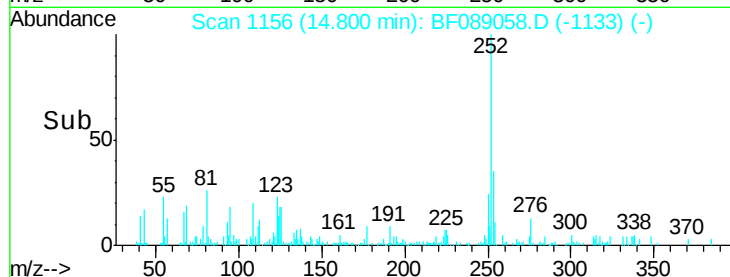
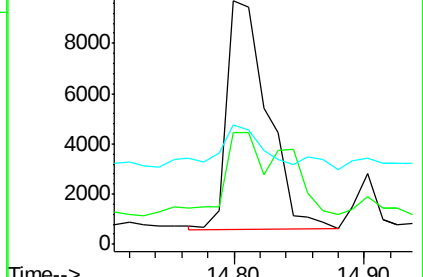
125 49.0 7.1 10.7#



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: 4.64 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

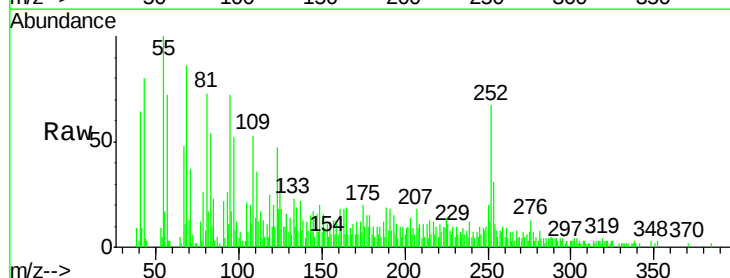
Tgt Ion:252 Resp: 19408

Ion Ratio Lower Upper

252 100

253 45.7 18.0 27.0#

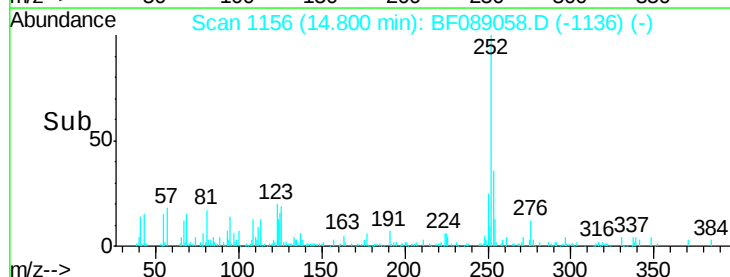
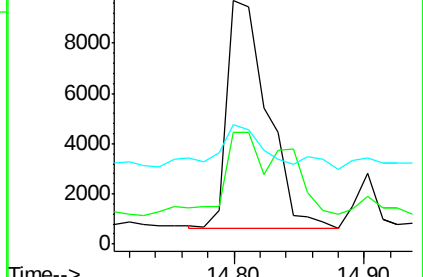
125 49.0 11.2 16.8#

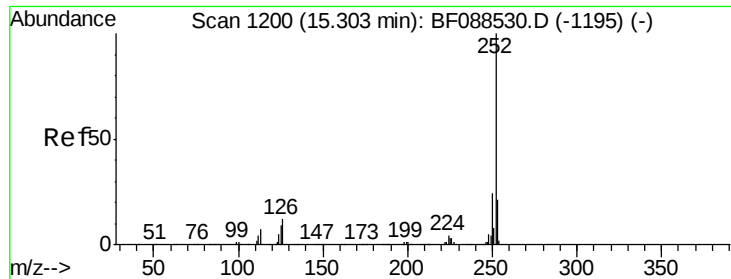


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.33 ng

RT: 15.13 min Scan# 1185

Delta R.T. -0.03 min

Lab File: BF089058.D

Acq: 16 Jul 2016 16:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 9460

Ion Ratio Lower Upper

252 100

253 35.1 17.9 26.9#

125 55.2 12.5 18.7#

