

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091216\
 Data File : BF090068.D
 Acq On : 12 Sep 2016 17:28
 Operator : UM/SJ
 Sample : H4744-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1B

Quant Time: Sep 13 03:19:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 08 16:07:52 2016
 Response via : Initial Calibration

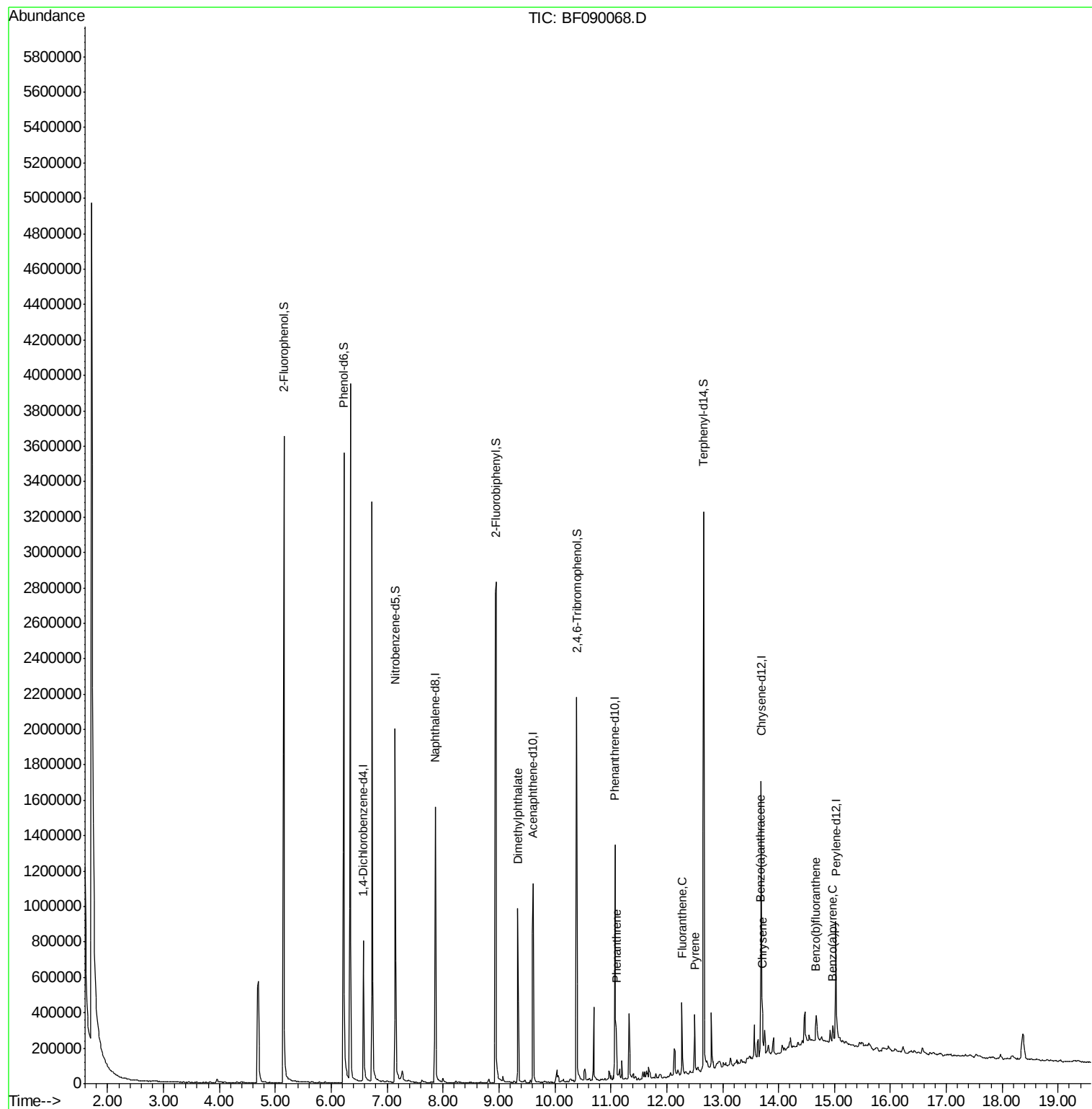
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	182736m	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	737755	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	325576	20.00	ng	-0.02
63) Phenanthrene-d10	11.07	188	564577	20.00	ng	-0.03
75) Chrysene-d12	13.69	240	492103	20.00	ng	-0.03
86) Perylene-d12	15.03	264	353582	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	1219344	106.81	ng	-0.01
7) Phenol-d6	6.23	99	1378863	99.40	ng	-0.02
23) Nitrobenzene-d5	7.14	82	780446	61.35	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	289228	90.04	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1525351	76.91	ng	-0.02
78) Terphenyl-d14	12.66	244	1220640	61.27	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.34	163	508024	21.59	ng	99
70) Phenanthrene	11.10	178	104701	3.72	ng	96
74) Fluoranthene	12.27	202	187123	6.35	ng	96
77) Pyrene	12.50	202	170593	4.92	ng	99
80) Benzo(a)anthracene	13.68	228	75780m	2.51	ng	
82) Chrysene	13.71	228	86952m	3.09	ng	
87) Benzo(b)fluoranthene	14.67	252	73074m	3.30	ng	
89) Benzo(a)pyrene	14.97	252	53792	2.83	ng	# 93

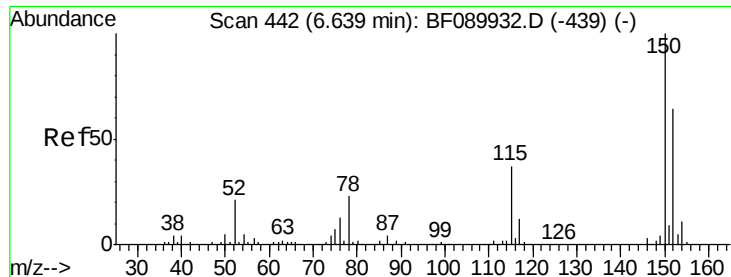
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

Instrument :

BNA_F

ClientSampled :

SP-1B

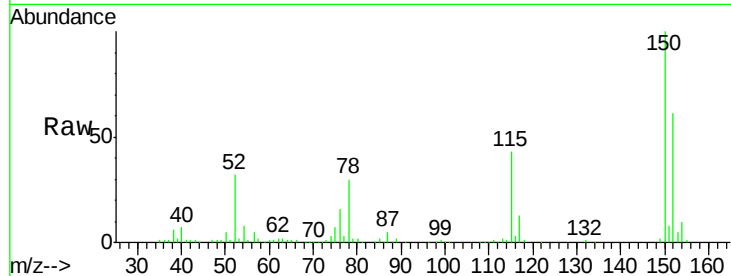
Tgt Ion:152 Resp: 182736

Ion Ratio Lower Upper

152 100

150 163.6 127.4 191.2

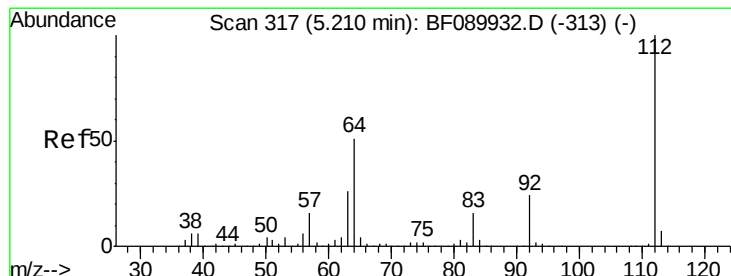
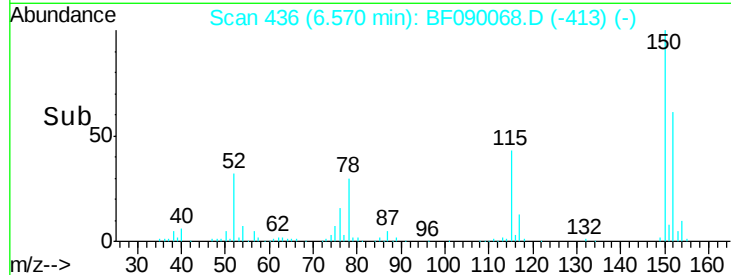
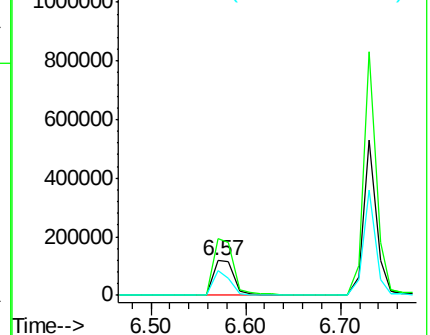
115 69.8 46.3 69.5#



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: 106.81 ng

RT: 5.15 min Scan# 312

Delta R.T. -0.01 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

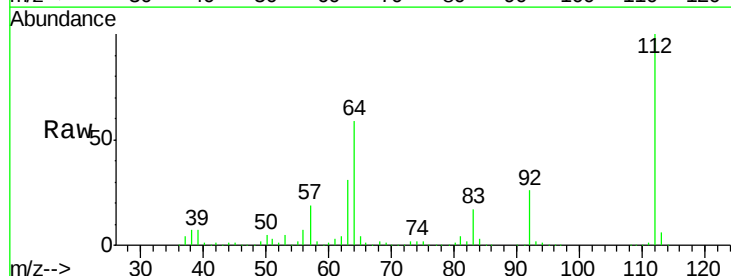
Tgt Ion:112 Resp: 1219344

Ion Ratio Lower Upper

112 100

64 59.2 41.1 61.7

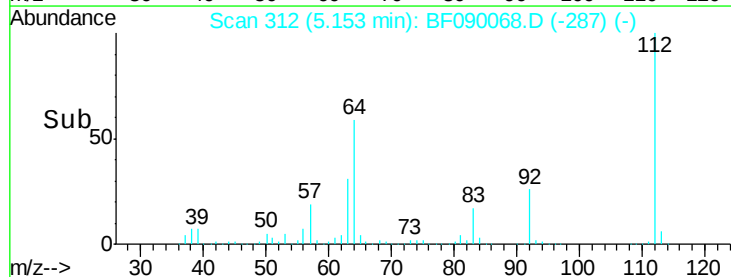
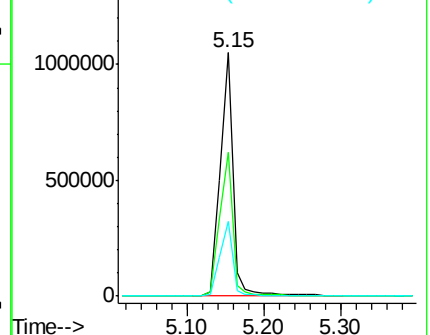
63 30.6 21.2 31.8

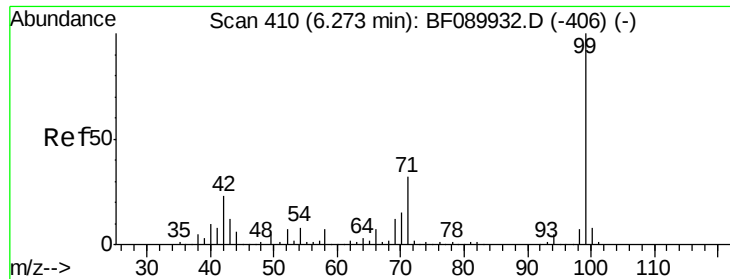


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.40 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SP-1B

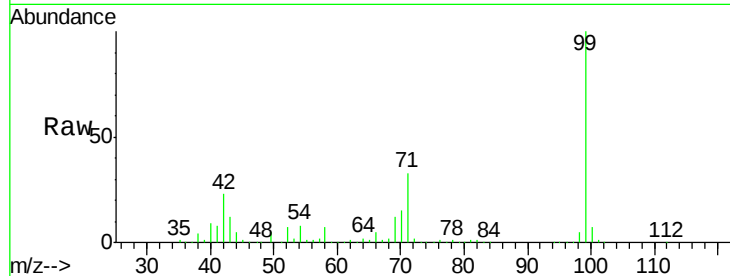
Tgt Ion: 99 Resp: 1378863

Ion Ratio Lower Upper

99 100

42 23.2 18.6 27.8

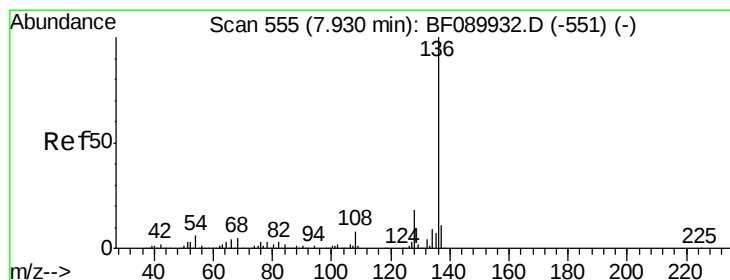
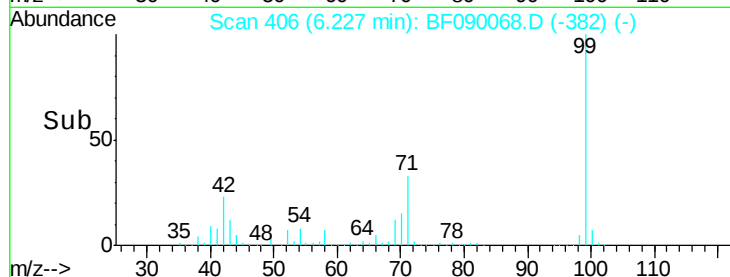
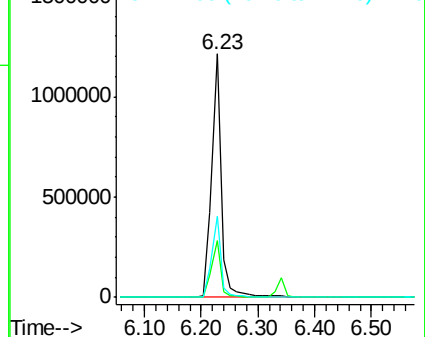
71 33.4 25.8 38.6



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: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

Tgt Ion: 136 Resp: 737755

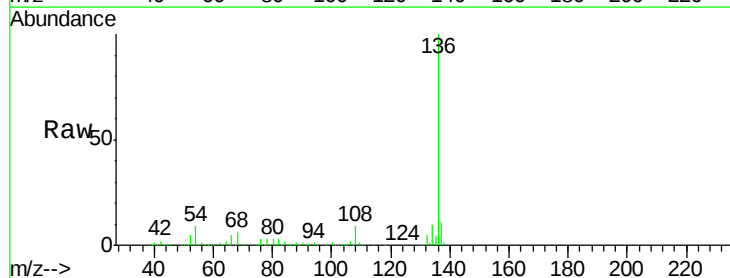
Ion Ratio Lower Upper

136 100

137 11.0 8.3 12.5

54 8.7 4.8 7.2#

68 5.9 3.7 5.5#

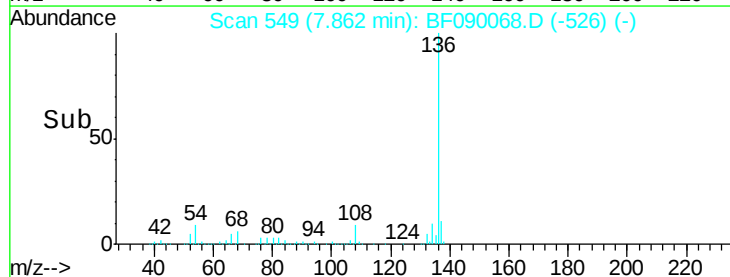
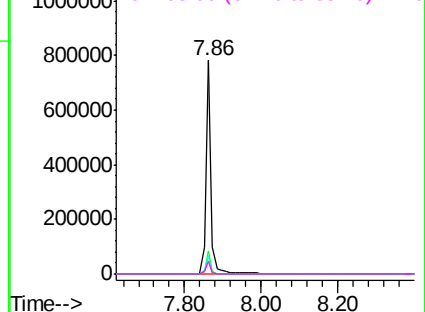


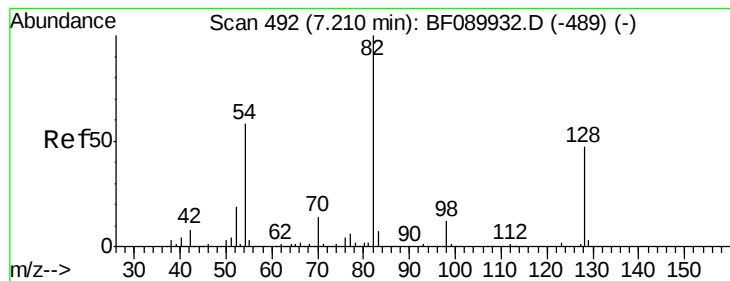
Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.35 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SP-1B

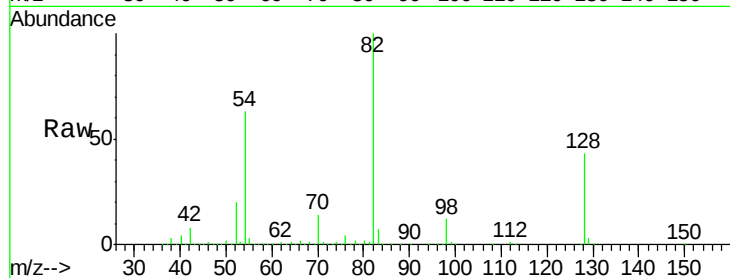
Tgt Ion: 82 Resp: 780446

Ion Ratio Lower Upper

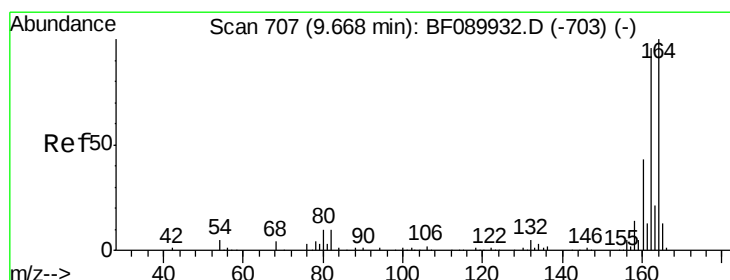
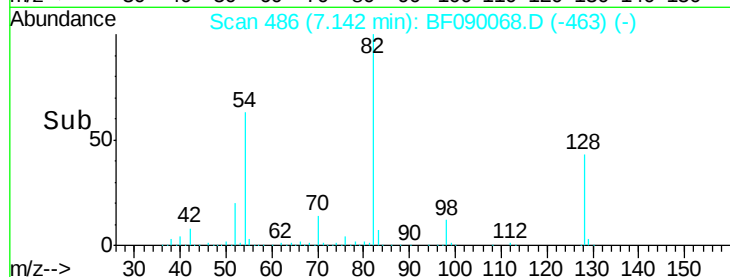
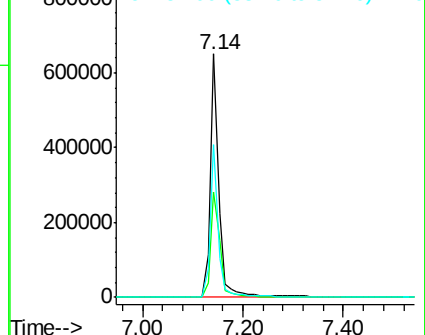
82 100

128 43.3 37.8 56.8

54 62.9 46.9 70.3



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: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

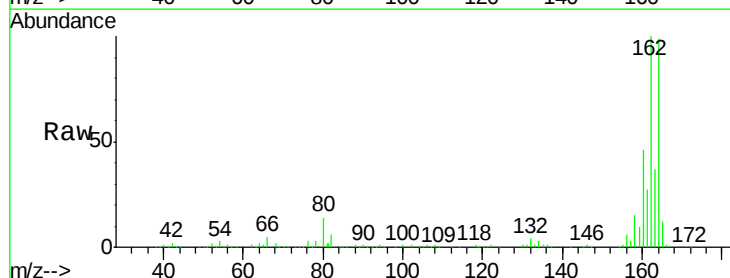
Tgt Ion: 164 Resp: 325576

Ion Ratio Lower Upper

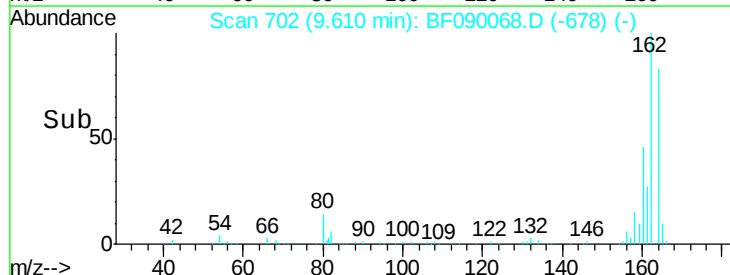
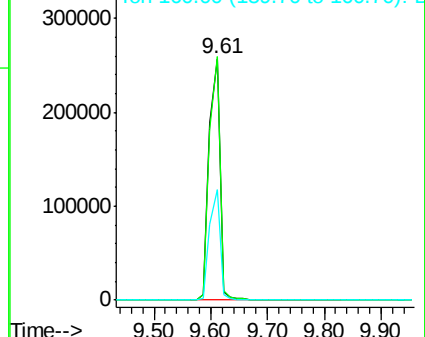
164 100

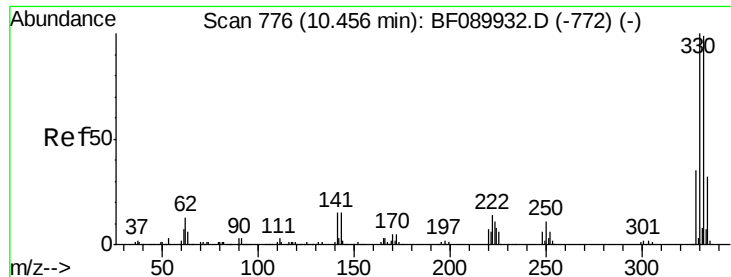
162 100.9 77.1 115.7

160 45.9 35.3 52.9



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

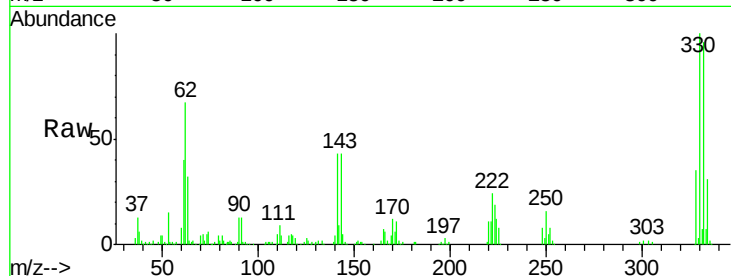




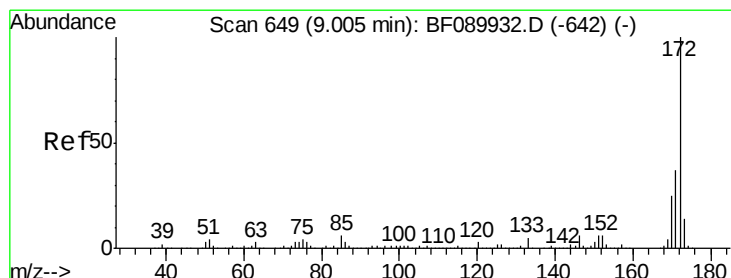
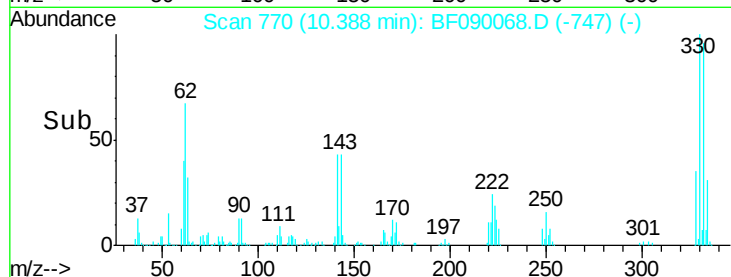
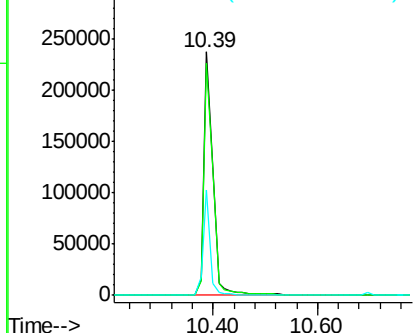
#41
 2,4,6-Tribromophenol
 Concen: 90.04 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.03 min
 Lab File: BF090068.D
 Acq: 12 Sep 2016 17:28

Instrument :
 BNA_F
 ClientSampleId :
 SP-1B

Tgt Ion:330 Resp: 289228
 Ion Ratio Lower Upper
 330 100
 332 94.9 78.6 117.8
 141 33.7 23.3 34.9

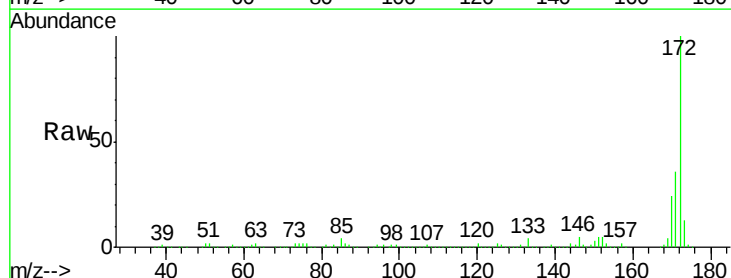


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

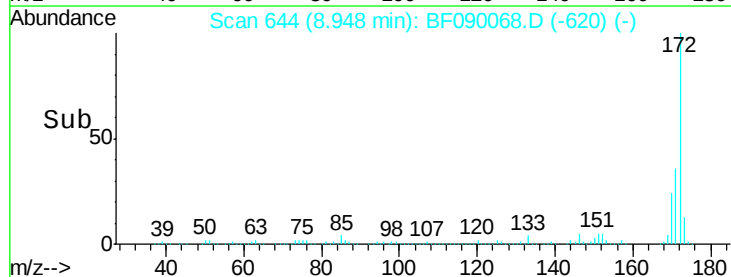
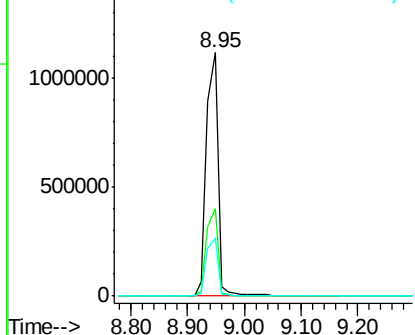


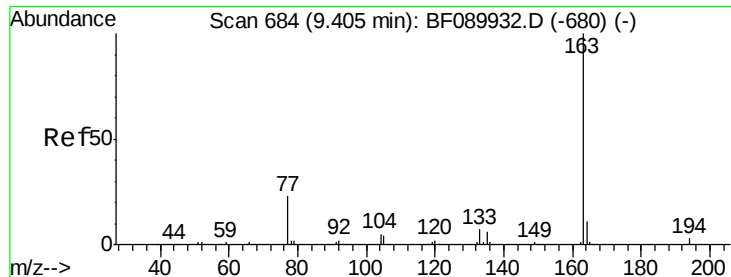
#44
 2-Fluorobiphenyl
 Concen: 76.91 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF090068.D
 Acq: 12 Sep 2016 17:28

Tgt Ion:172 Resp: 1525351
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.4 44.2
 170 24.1 20.1 30.1



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

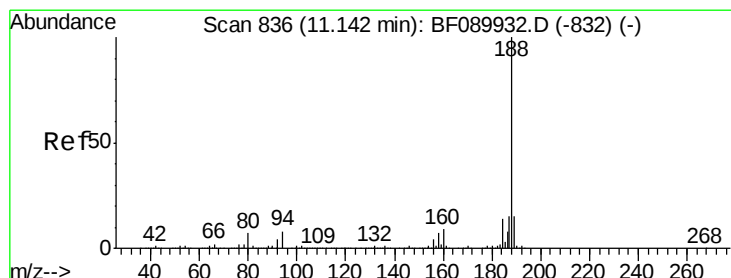
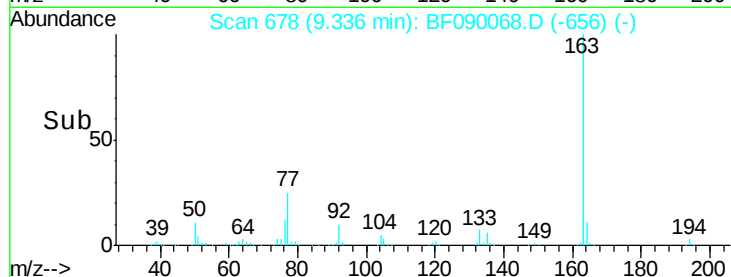
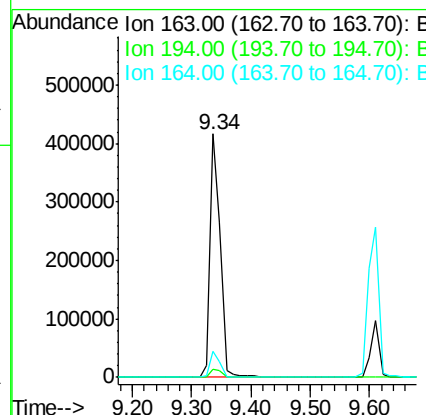
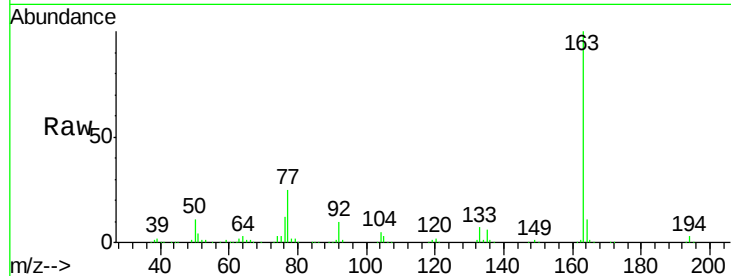




#49
Dimethylphthalate
Concen: 21.59 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.05 min
Lab File: BF090068.D
Acq: 12 Sep 2016 17:28

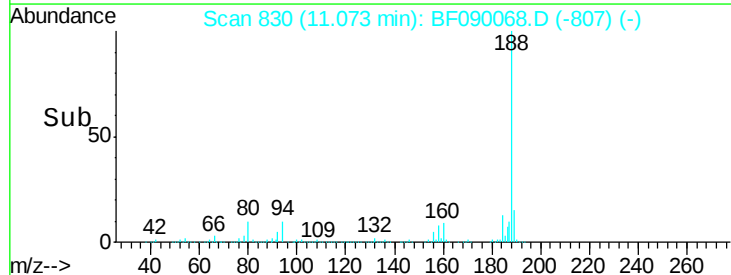
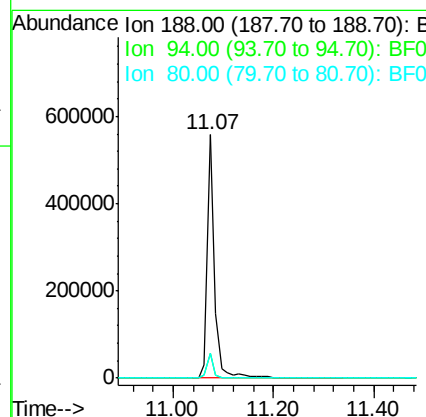
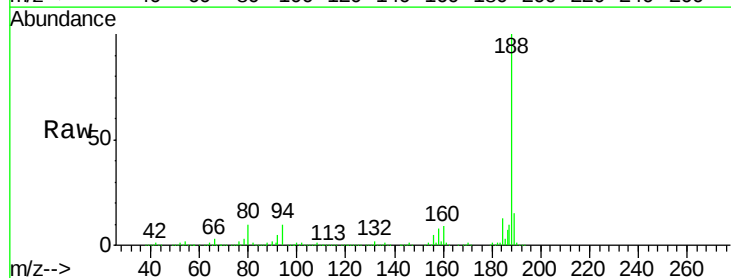
Instrument :
BNA_F
ClientSampled :
SP-1B

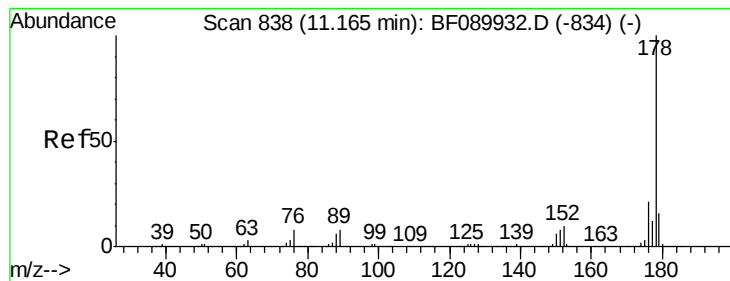
Tgt Ion:163 Resp: 508024
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.9 9.0 13.4



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.03 min
Lab File: BF090068.D
Acq: 12 Sep 2016 17:28

Tgt Ion:188 Resp: 564577
Ion Ratio Lower Upper
188 100
94 10.1 5.9 8.9#
80 10.0 5.8 8.8#





#70

Phenanthrene

Concen: 3.72 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SP-1B

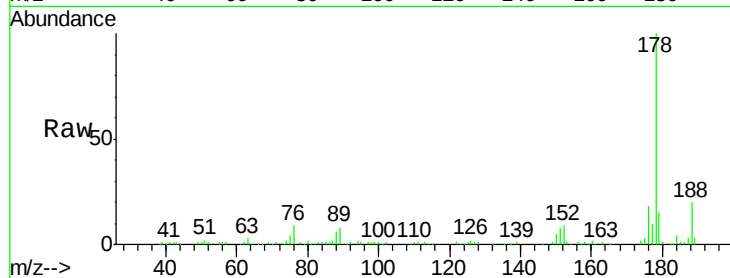
Tgt Ion:178 Resp: 104701

Ion Ratio Lower Upper

178 100

176 18.2 16.5 24.7

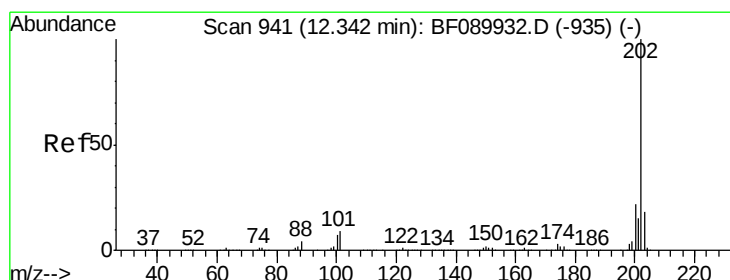
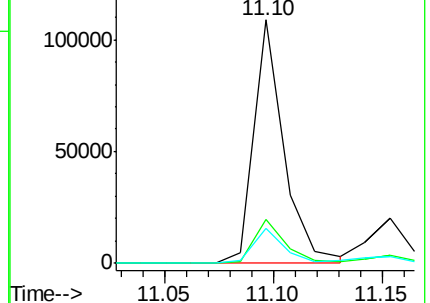
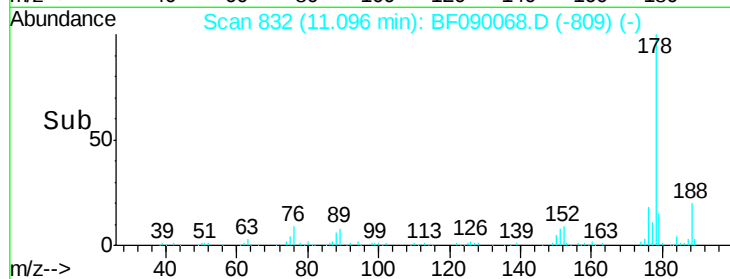
179 14.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 6.35 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

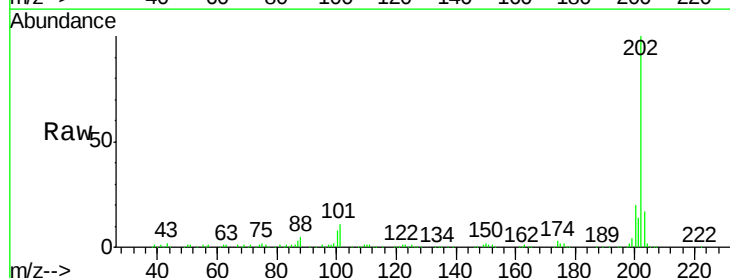
Tgt Ion:202 Resp: 187123

Ion Ratio Lower Upper

202 100

101 10.9 0.0 28.5

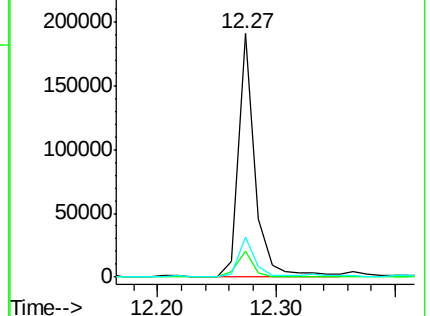
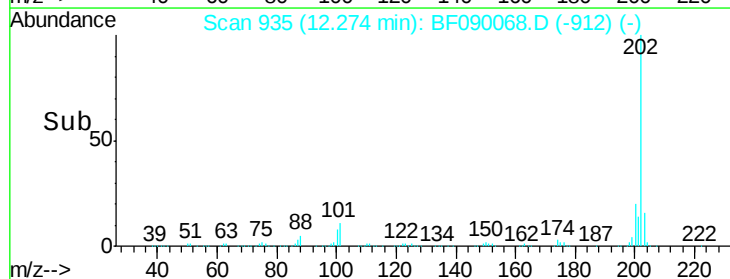
203 16.6 0.0 38.0

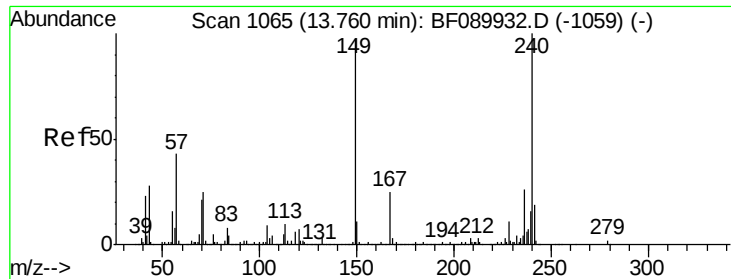


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.69 min Scan# 1059

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

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ClientSampleId :

SP-1B

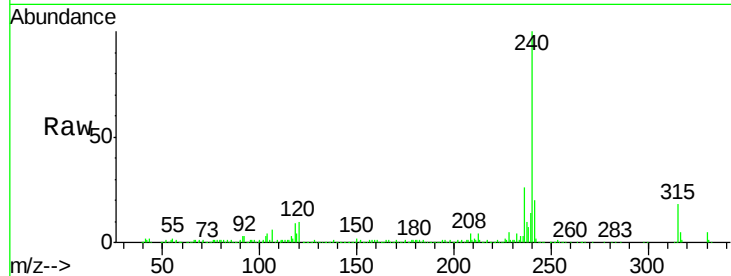
Tgt Ion:240 Resp: 492103

Ion Ratio Lower Upper

240 100

120 10.2 5.7 8.5#

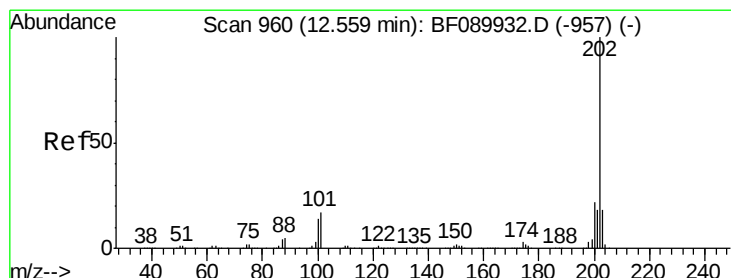
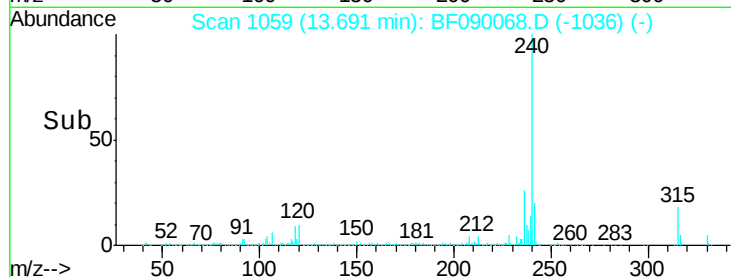
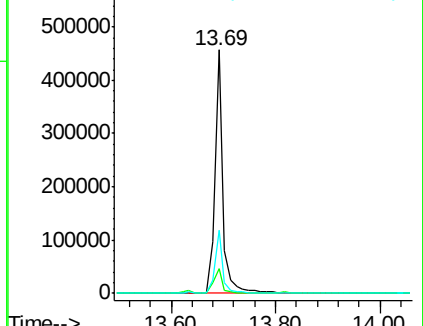
236 25.9 21.3 31.9



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: 4.92 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

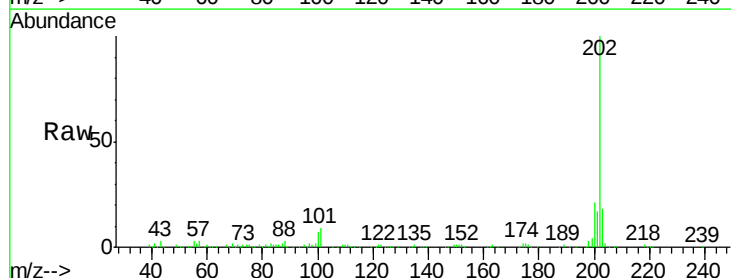
Tgt Ion:202 Resp: 170593

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

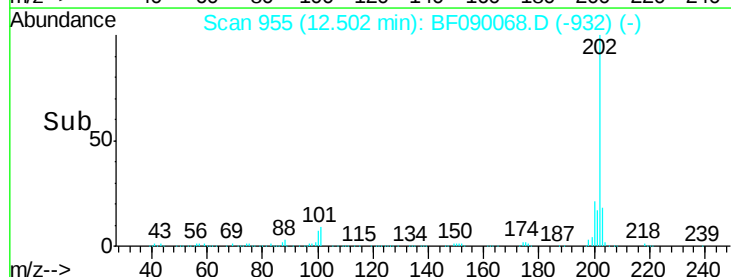
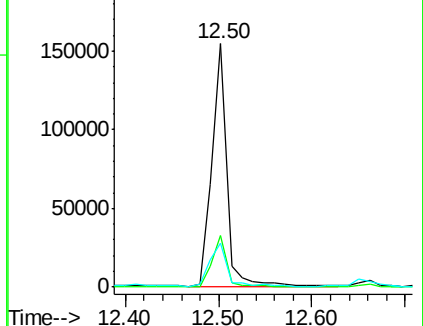
203 18.0 14.6 21.8

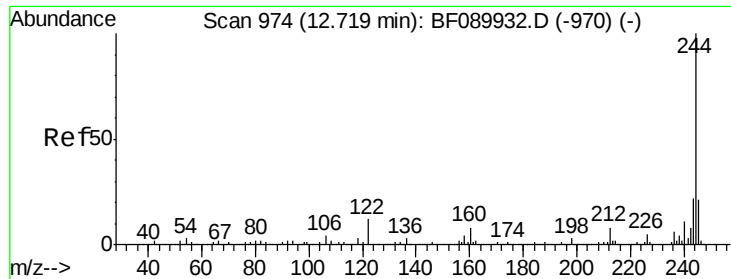


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

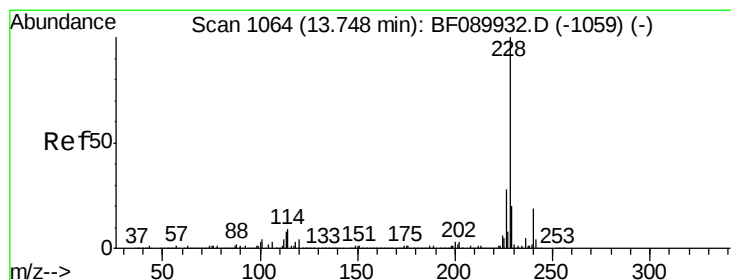
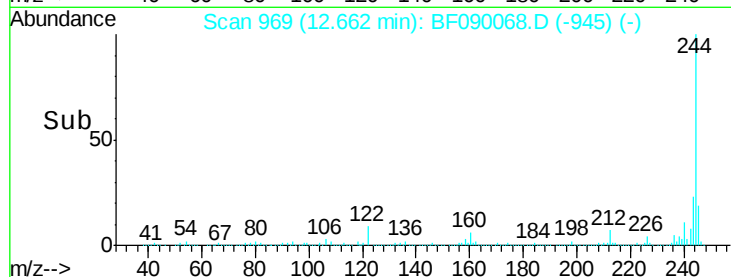
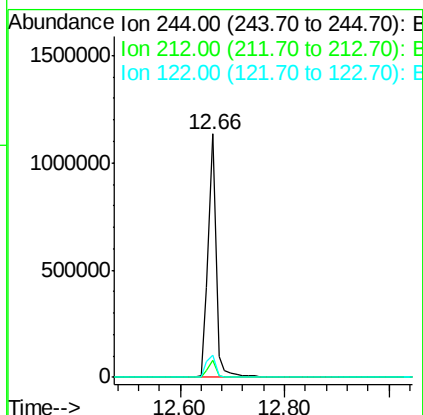
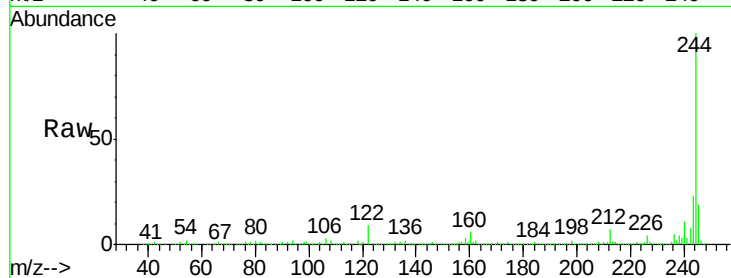




#78
 Terphenyl-d14
 Concen: 61.27 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.02 min
 Lab File: BF090068.D
 Acq: 12 Sep 2016 17:28

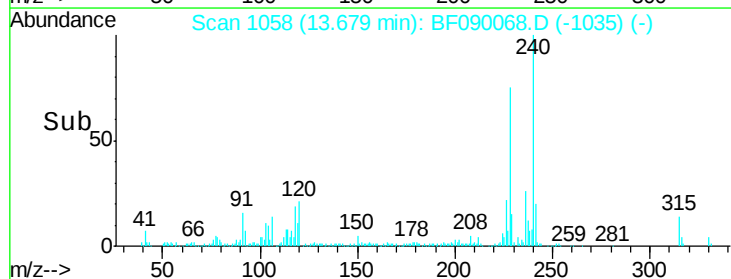
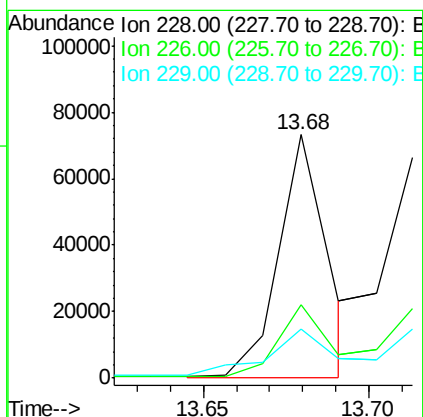
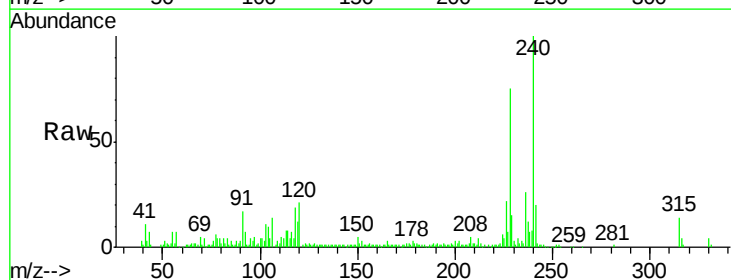
Instrument :
 BNA_F
 ClientSampleId :
 SP-1B

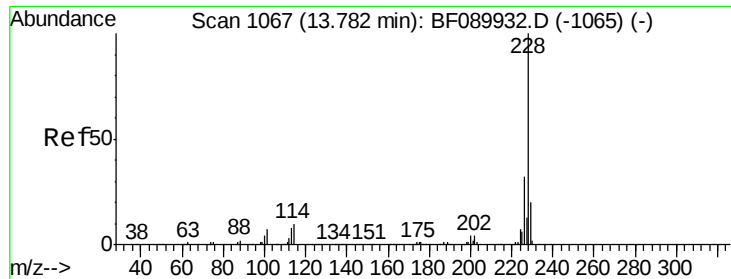
Tgt Ion:244 Resp: 1220640
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 9.4 9.6 14.4#



#80
 Benzo(a)anthracene
 Concen: 2.51 ng m
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.03 min
 Lab File: BF090068.D
 Acq: 12 Sep 2016 17:28

Tgt Ion:228 Resp: 75780
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.2 33.2
 229 20.3 15.8 23.6





#82

Chrysene

Concen: 3.09 ng m

RT: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

Instrument :

BNA_F

ClientSampleId :

SP-1B

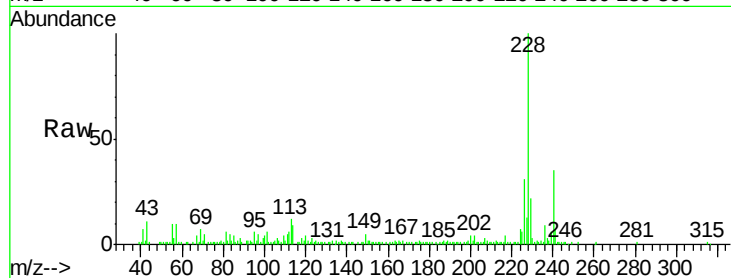
Tgt Ion:228 Resp: 86952

Ion Ratio Lower Upper

228 100

226 31.5 25.2 37.8

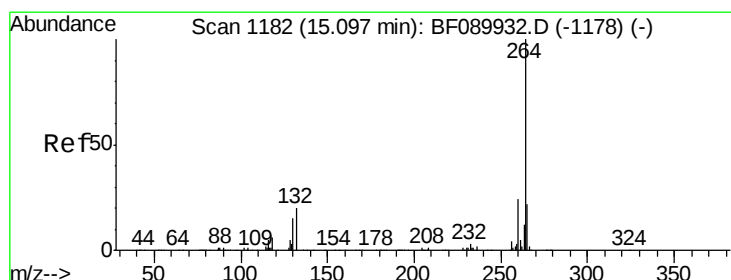
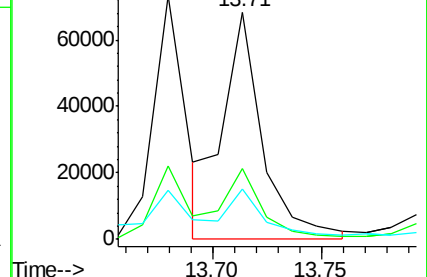
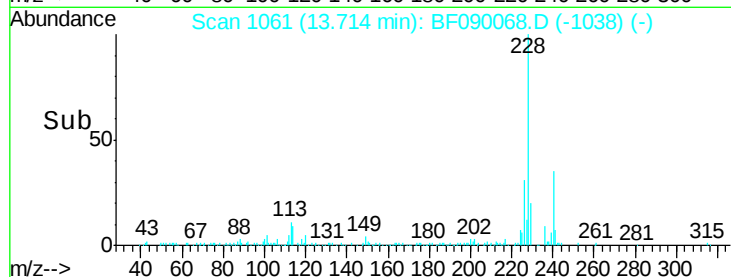
229 22.0 16.2 24.2



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: 15.03 min Scan# 1176

Delta R.T. -0.03 min

Lab File: BF090068.D

Acq: 12 Sep 2016 17:28

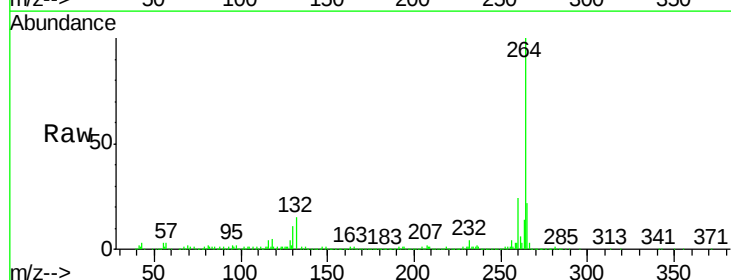
Tgt Ion:264 Resp: 353582

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

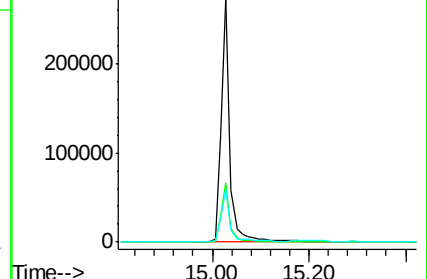
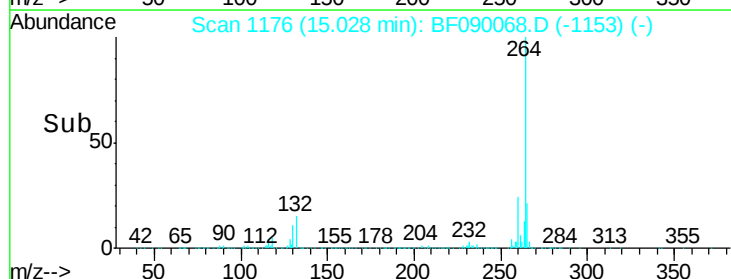
265 21.7 17.4 26.2

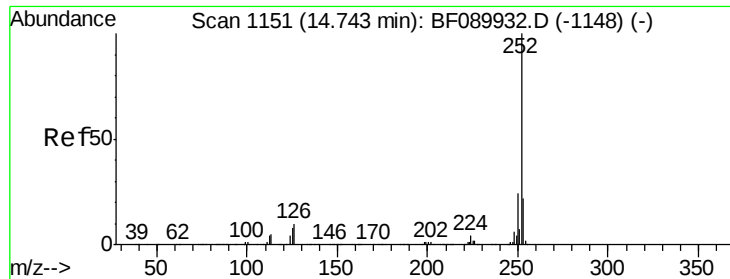


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

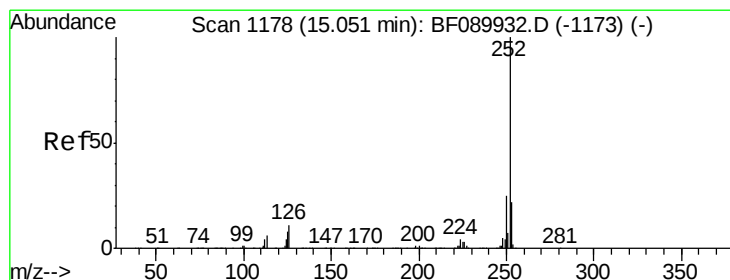
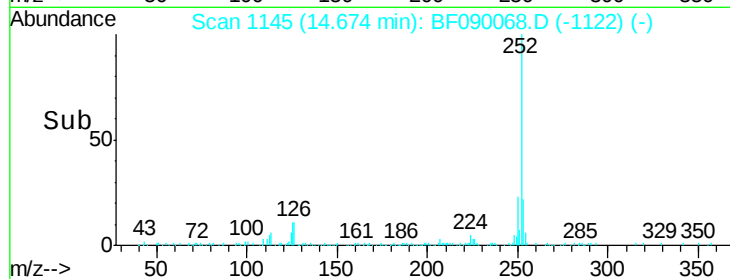
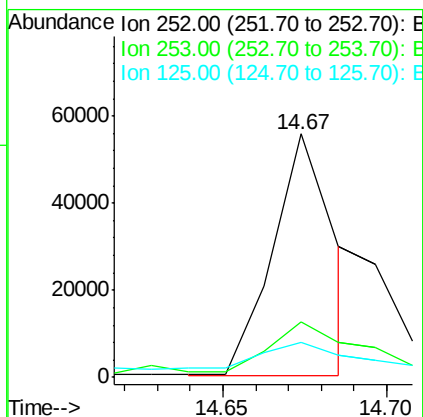
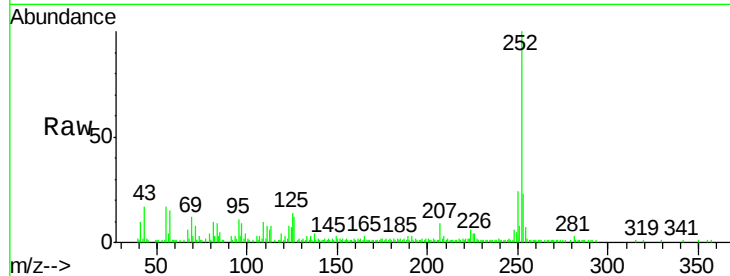




#87
Benzo(b)fluoranthene
Concen: 3.30 ng m
RT: 14.67 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF090068.D
Acq: 12 Sep 2016 17:28

Instrument :
BNA_F
ClientSampleId :
SP-1B

Tgt Ion:252 Resp: 73074
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 14.2 5.7 8.5#



#89
Benzo(a)pyrene
Concen: 2.83 ng
RT: 14.97 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BF090068.D
Acq: 12 Sep 2016 17:28

Tgt Ion:252 Resp: 53792
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 14.9 6.3 9.5#

