

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089376.D
 Acq On : 28 Jul 2016 21:45
 Operator : UM/SJ
 Sample : H4205-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-0.5-1.0

Quant Time: Jul 29 02:14:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

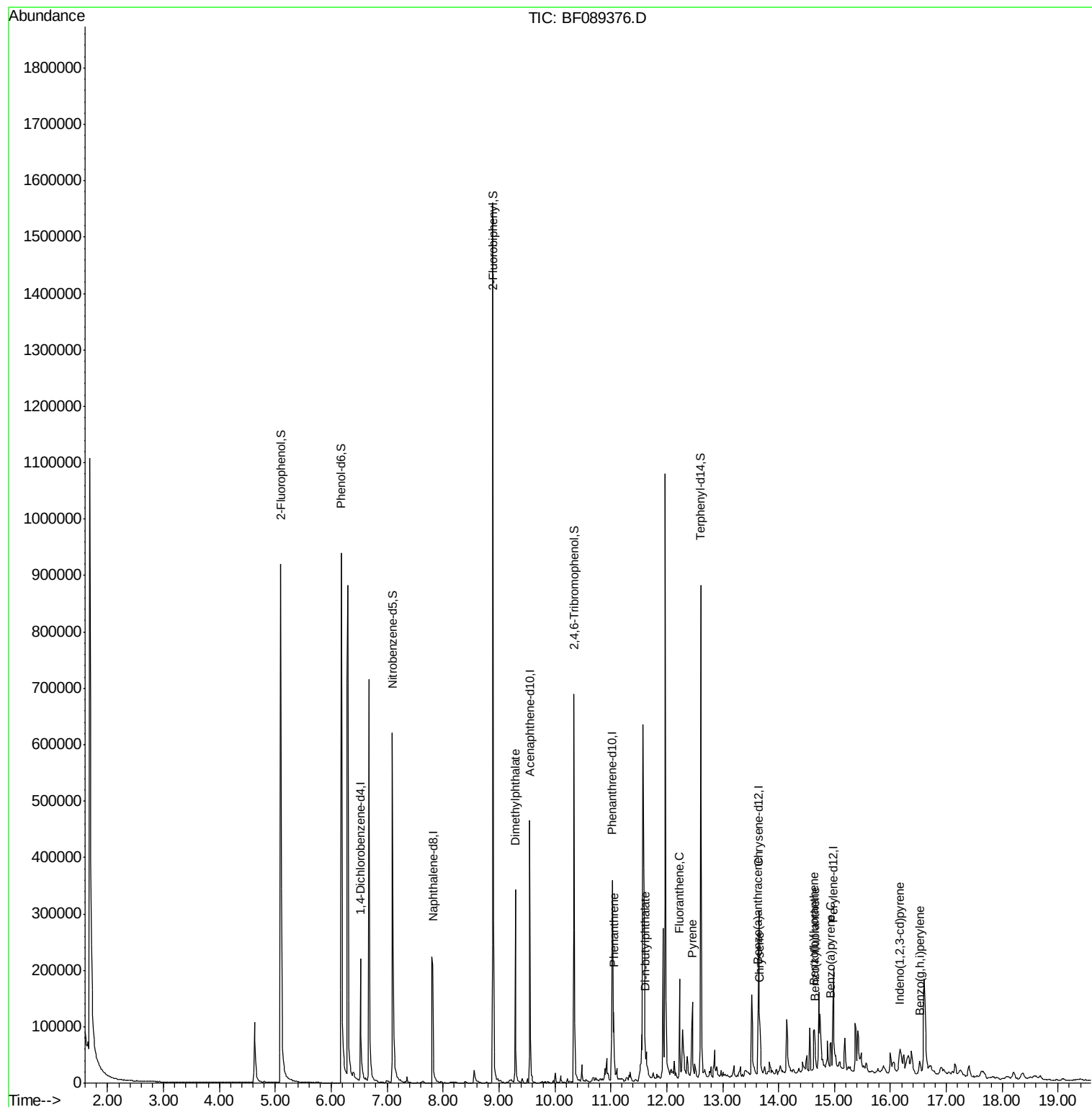
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	47086	20.00	ng	-0.02
21) Naphthalene-d8	7.82	136	189089	20.00	ng	-0.01
38) Acenaphthene-d10	9.55	164	92145	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	148643	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	92364	20.00	ng	-0.02
86) Perylene-d12	14.98	264	87835	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	333140	112.97	ng	-0.01
7) Phenol-d6	6.18	99	443520	113.81	ng	-0.02
23) Nitrobenzene-d5	7.10	82	283682	88.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	81885	107.30	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	518928	82.65	ng	-0.02
78) Terphenyl-d14	12.61	244	327265	82.93	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	137298	19.58	ng	99
70) Phenanthrene	11.05	178	46039	6.01	ng	99
73) Di-n-butylphthalate	11.61	149	23587	2.45	ng	# 96
74) Fluoranthene	12.23	202	79789	9.89	ng	97
77) Pyrene	12.46	202	69484	9.93	ng	99
80) Benzo(a)anthracene	13.63	228	32888	6.31	ng	95
82) Chrysene	13.67	228	27964	5.04	ng	98
85) Indeno(1,2,3-cd)pyrene	16.17	276	22918	5.81	ng	# 93
87) Benzo(b)fluoranthene	14.64	252	45386m	8.32	ng	
88) Benzo(k)fluoranthene	14.65	252	12502m	2.49	ng	
89) Benzo(a)pyrene	14.94	252	30049m	6.14	ng	
91) Benzo(g,h,i)perylene	16.53	276	22903	6.04	ng	96

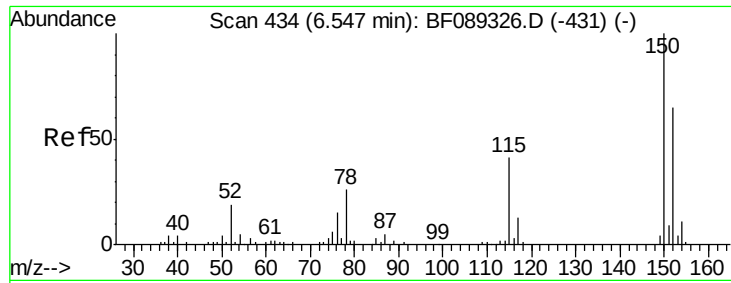
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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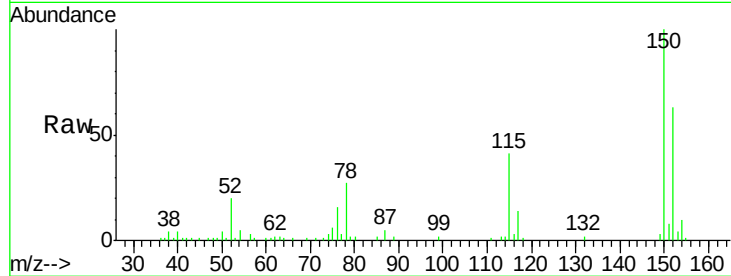


#1

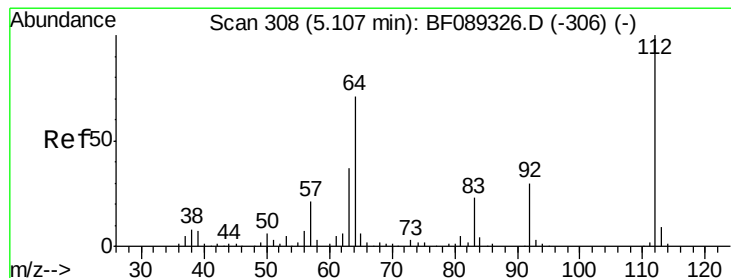
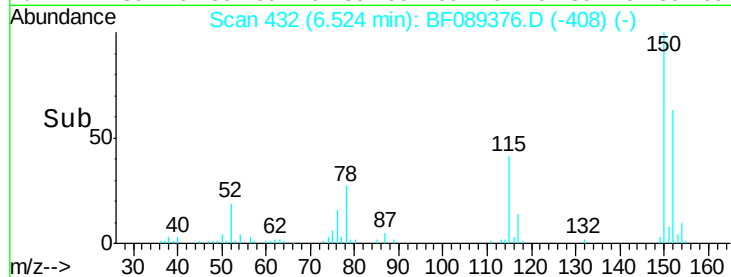
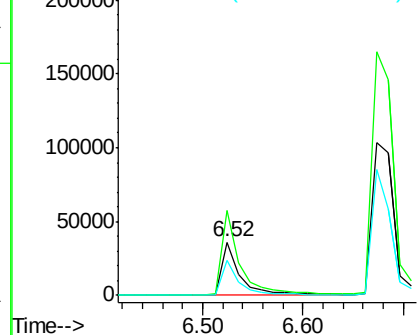
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 432
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:152 Resp: 47086
Ion Ratio Lower Upper
152 100
150 160.0 129.5 194.3
115 65.7 51.4 77.2



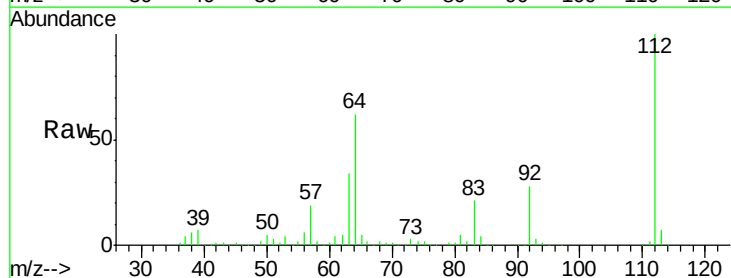
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



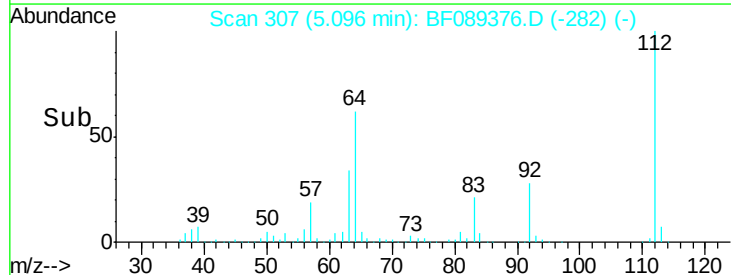
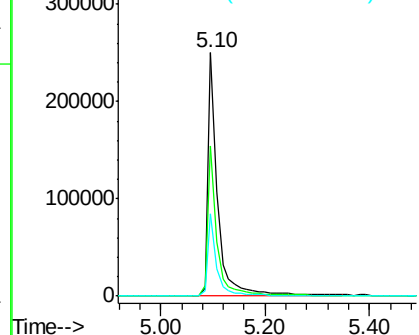
#5

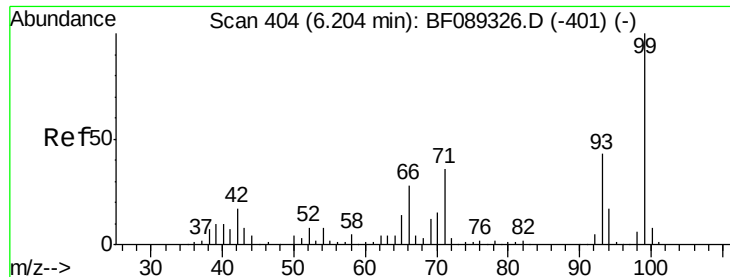
2-Fluorophenol
Concen: 112.97 ng
RT: 5.10 min Scan# 307
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:112 Resp: 333140
Ion Ratio Lower Upper
112 100
64 61.9 55.0 82.6
63 33.6 29.4 44.2



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: 113.81 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-37-0.5-1.0

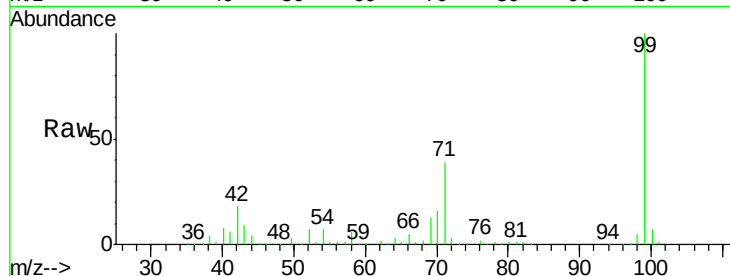
Tgt Ion: 99 Resp: 443520

Ion Ratio Lower Upper

99 100

42 18.4 13.6 20.4

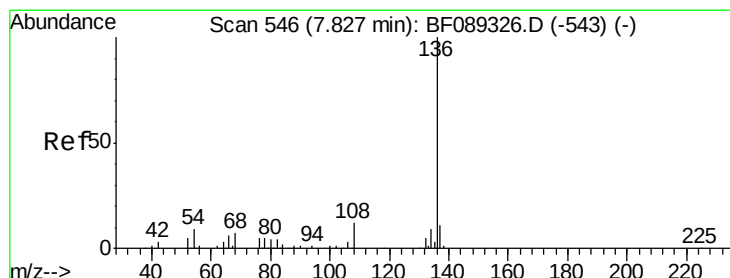
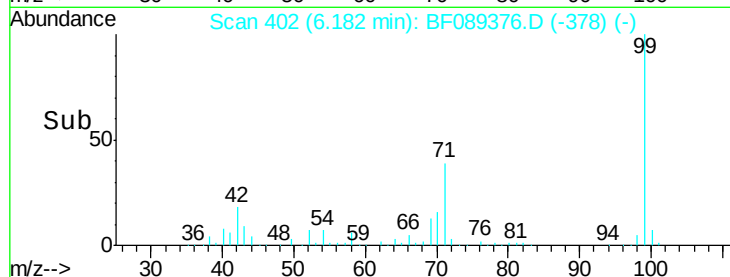
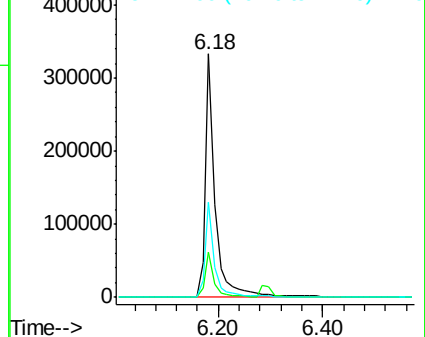
71 39.0 29.4 44.2



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: 7.82 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

Tgt Ion: 136 Resp: 189089

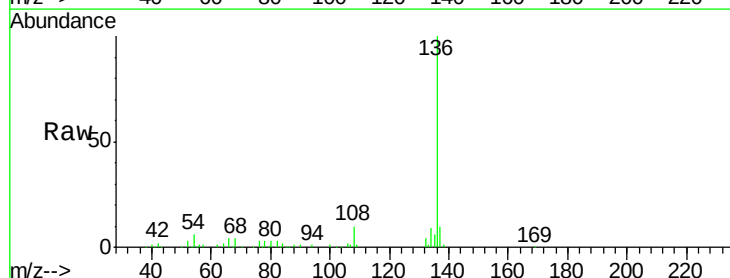
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 5.9 7.0 10.4#

68 4.2 4.9 7.3#

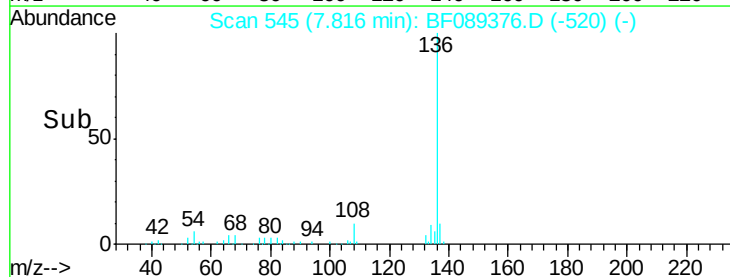
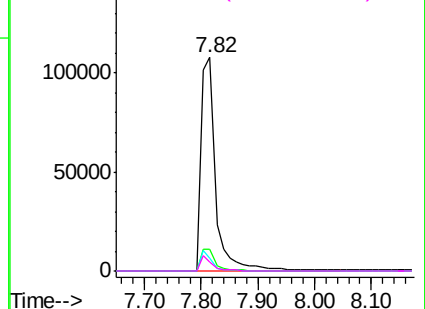


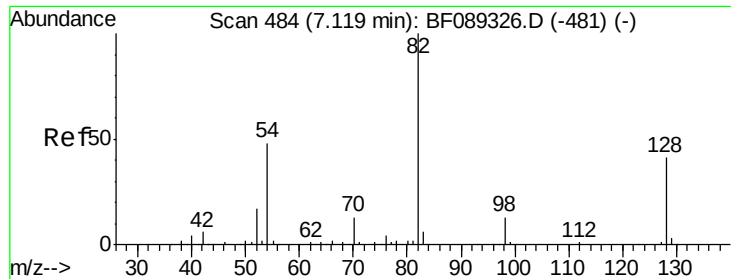
Abundance Ion 136.00 (135.70 to 136.70): E

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

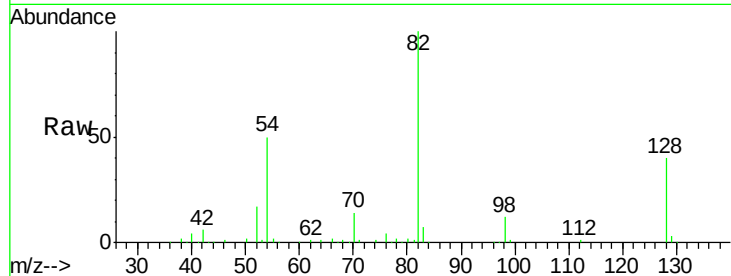




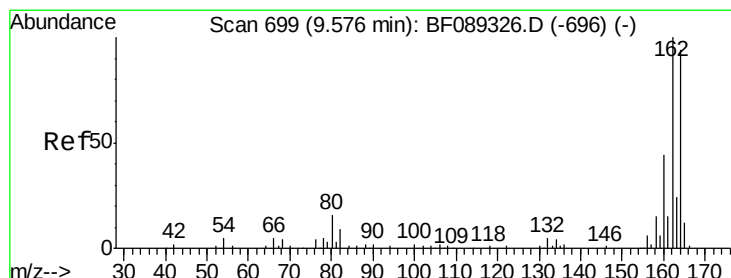
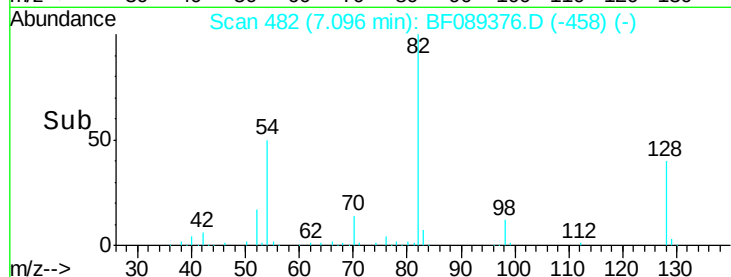
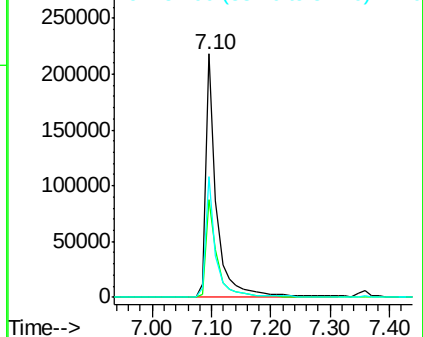
#23
 Nitrobenzene-d5
 Concen: 88.55 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-0.5-1.0

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.1	32.5	48.7
54	49.5	38.8	58.2

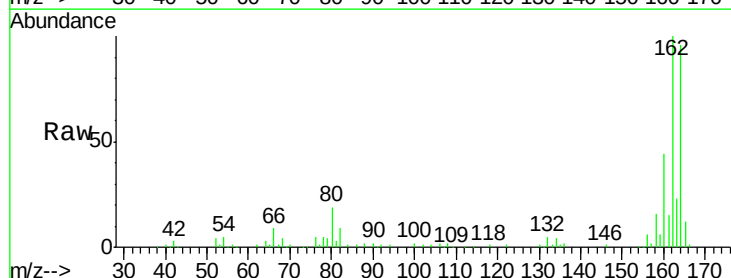


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

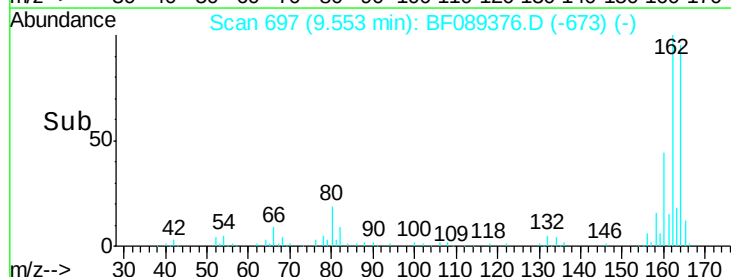
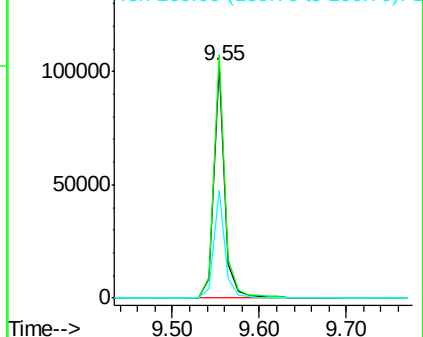


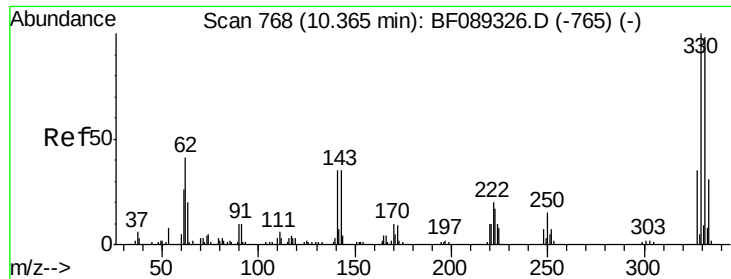
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.7	125.5
160	46.2	37.8	56.6



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

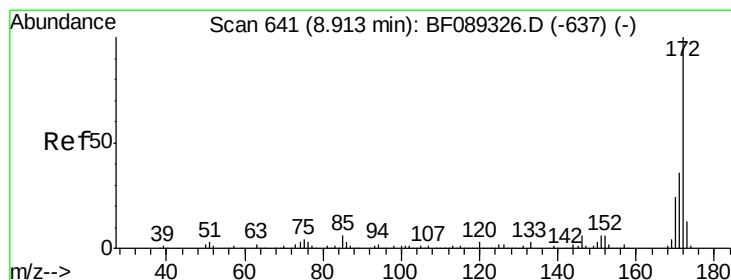
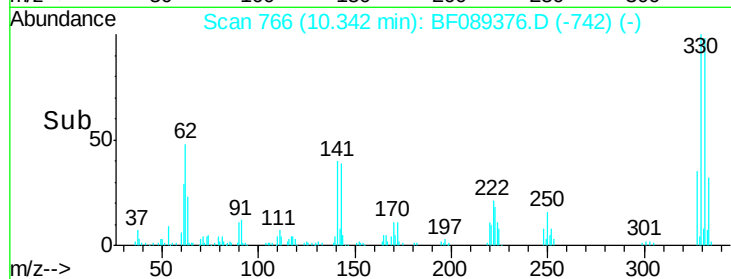
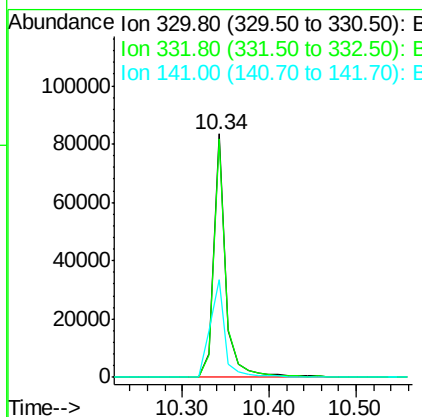
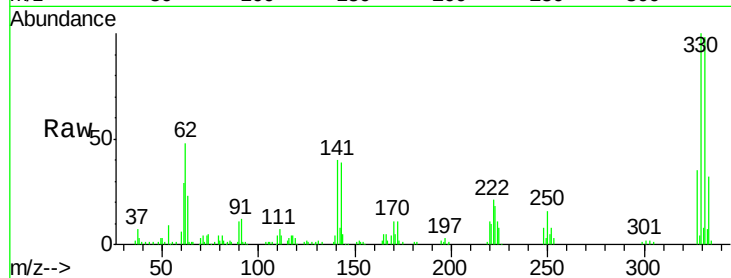




#41
 2,4,6-Tribromophenol
 Concen: 107.30 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

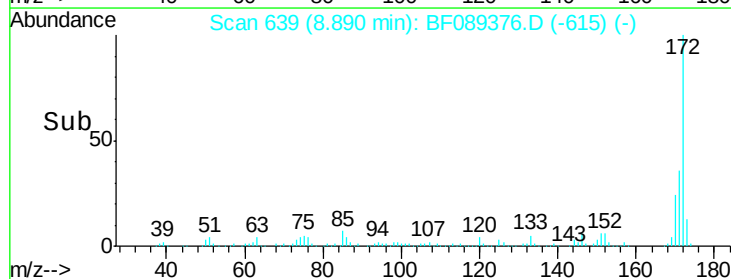
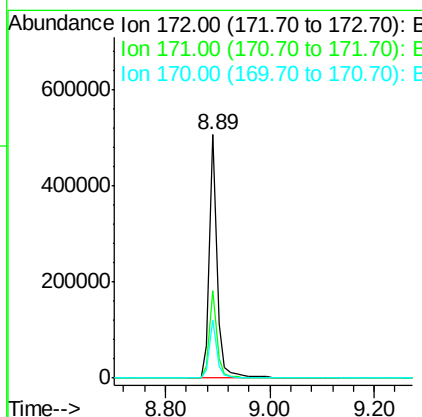
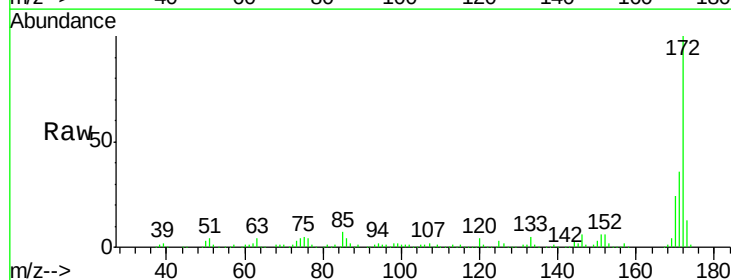
Instrument :
 BNA_F
 ClientSampleId :
 SB-37-0.5-1.0

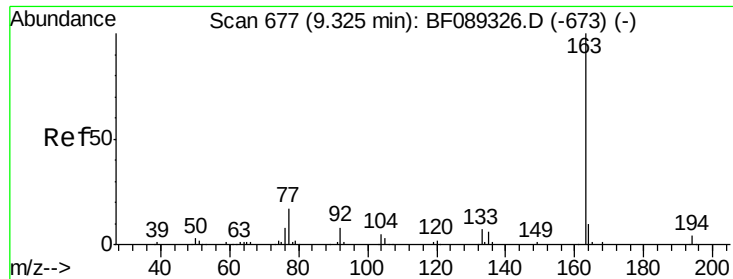
Tgt Ion:330 Resp: 81885
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.8 115.2
 141 49.6 37.3 55.9



#44
 2-Fluorobiphenyl
 Concen: 82.65 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

Tgt Ion:172 Resp: 518928
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 23.6 19.2 28.8

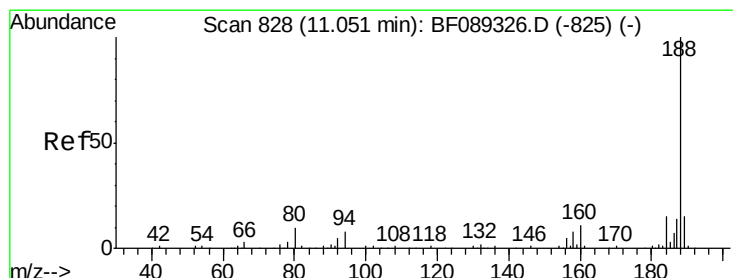
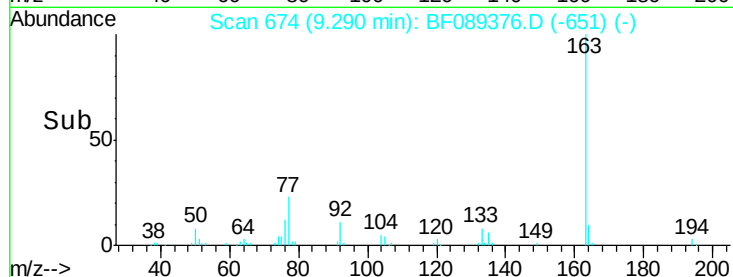
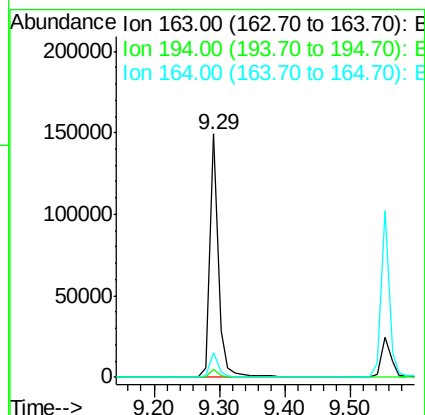
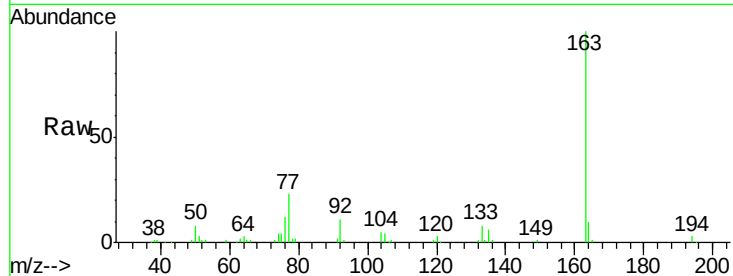




#49
Dimethylphthalate
Concen: 19.58 ng
RT: 9.29 min Scan# 674
Delta R.T. -0.03 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

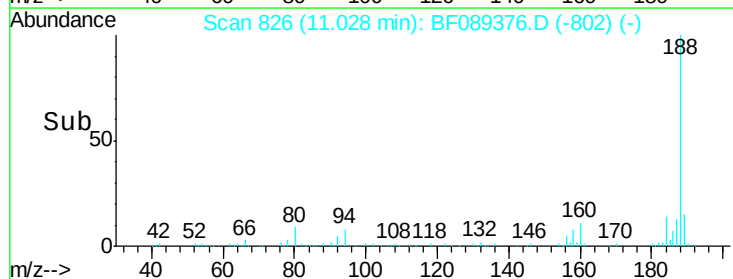
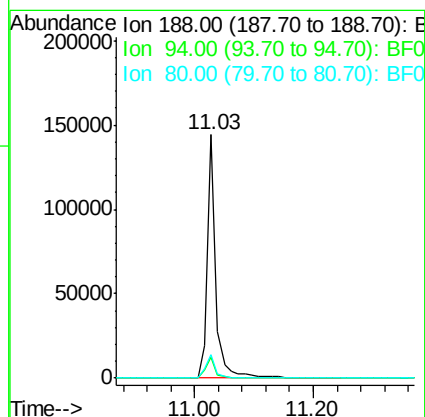
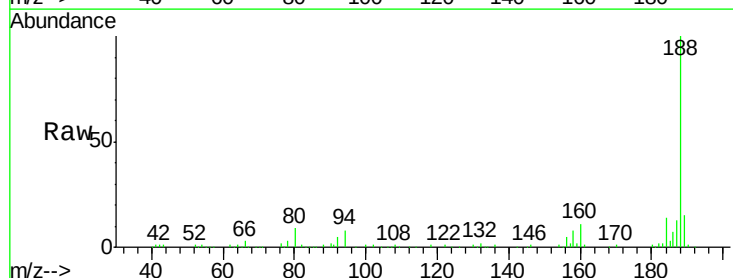
Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

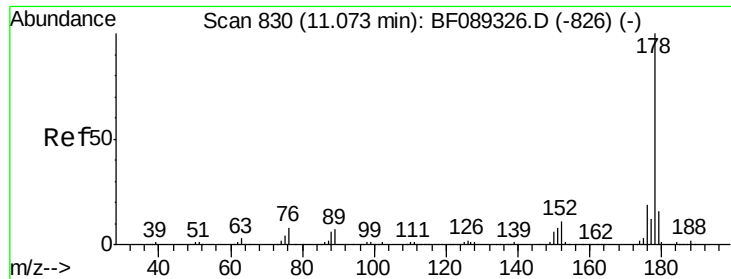
Tgt Ion:163 Resp: 137298
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.0 7.8 11.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:188 Resp: 148643
Ion Ratio Lower Upper
188 100
94 8.3 6.5 9.7
80 9.4 7.2 10.8

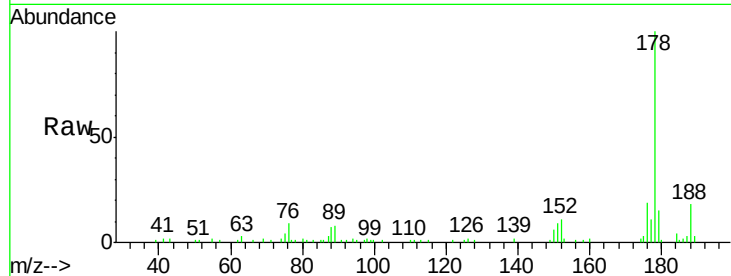




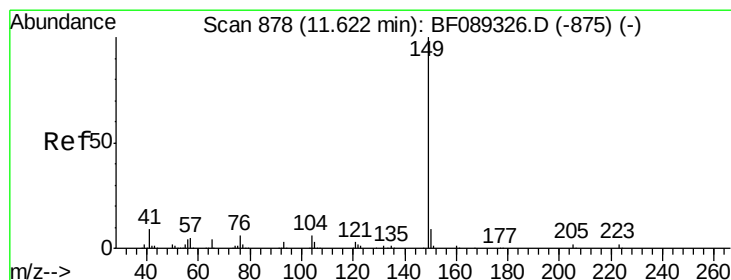
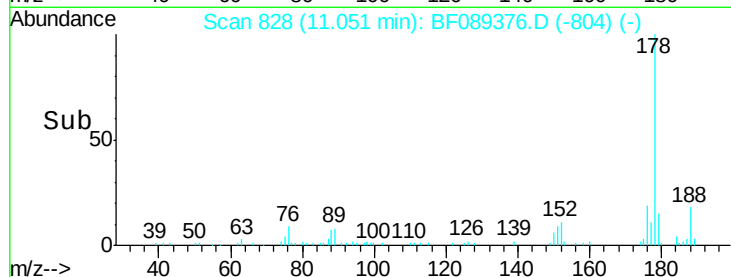
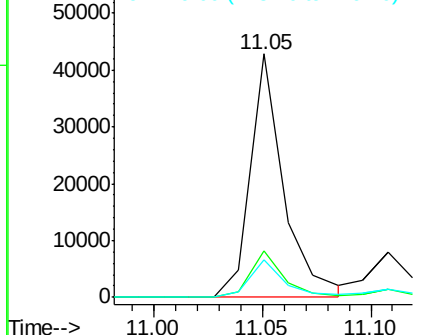
#70
Phenanthrene
Concen: 6.01 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

Tgt Ion:178 Resp: 46039
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.3 18.5

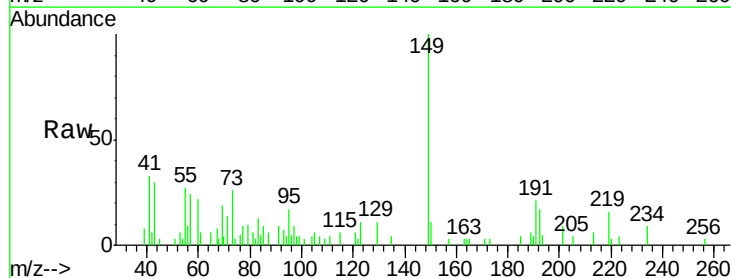


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

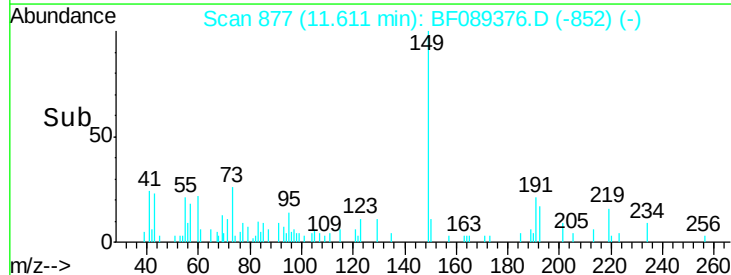
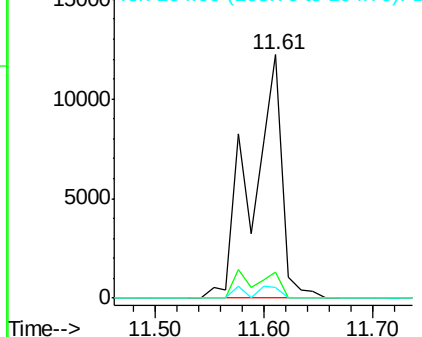


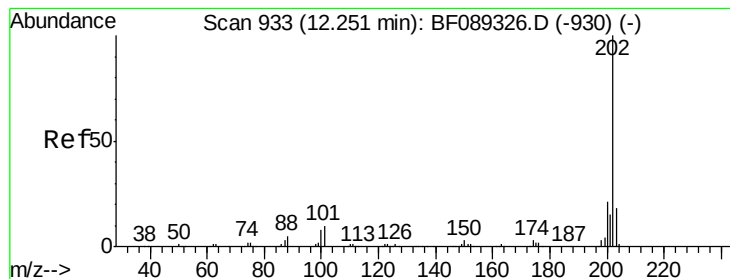
#73
Di-n-butylphthalate
Concen: 2.45 ng
RT: 11.61 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:149 Resp: 23587
Ion Ratio Lower Upper
149 100
150 10.8 7.4 11.0
104 4.5 4.7 7.1#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

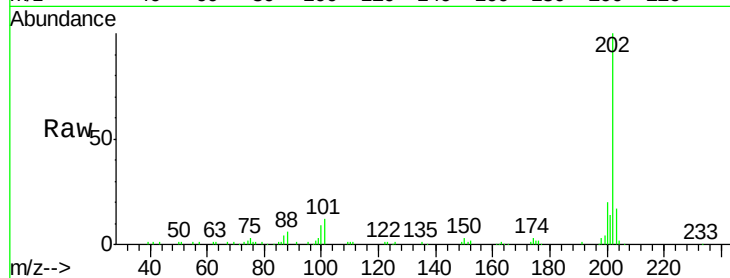




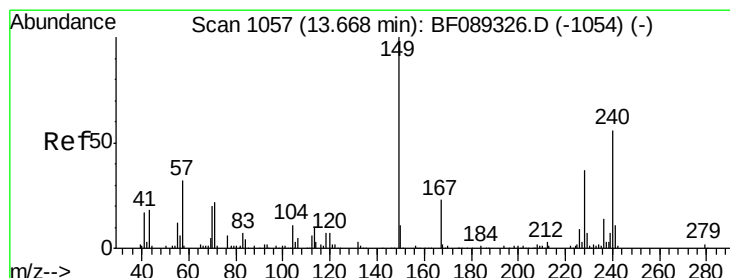
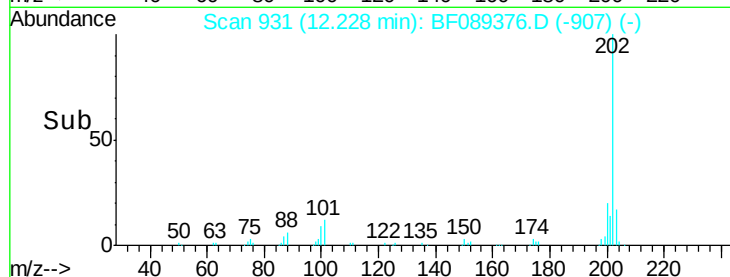
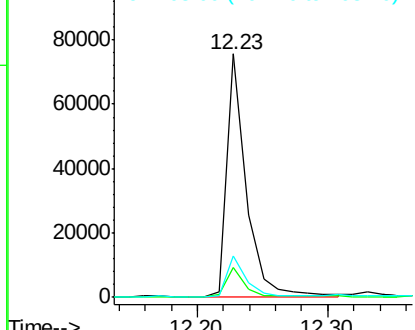
#74
 Fluoranthene
 Concen: 9.89 ng
 RT: 12.23 min Scan# 931
 Delta R.T. -0.02 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-37-0.5-1.0

Tgt Ion: 202 Resp: 79789
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 29.9
 203 17.1 0.0 37.3

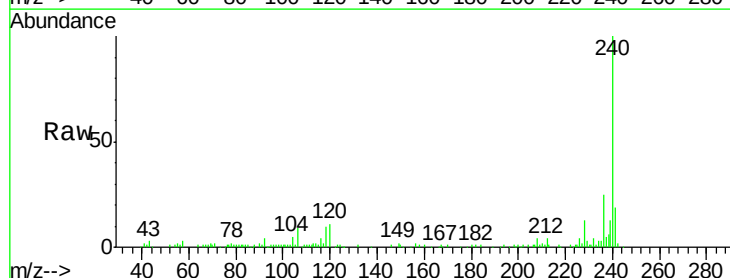


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

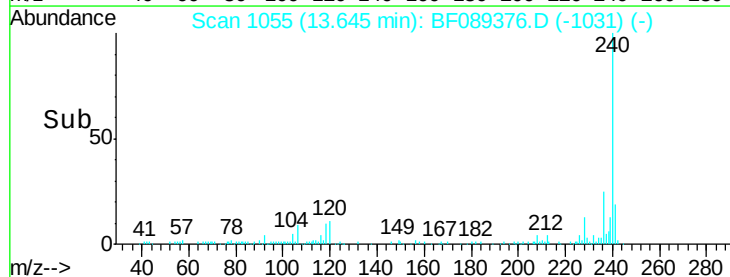
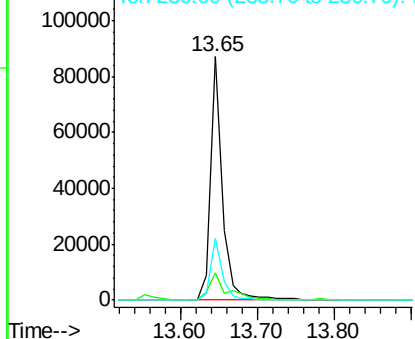


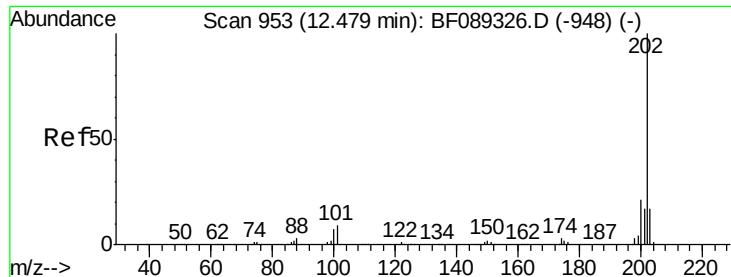
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

Tgt Ion: 240 Resp: 92364
 Ion Ratio Lower Upper
 240 100
 120 11.4 9.1 13.7
 236 25.4 20.6 30.8



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: 9.93 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-37-0.5-1.0

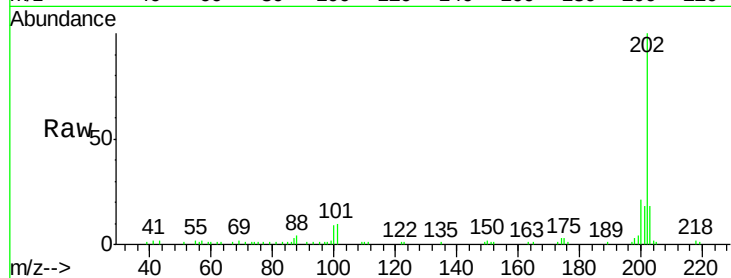
Tgt Ion: 202 Resp: 69484

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

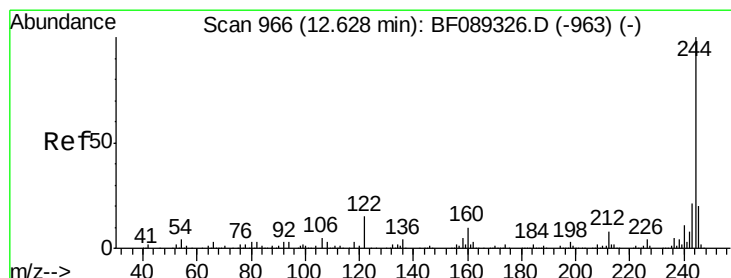
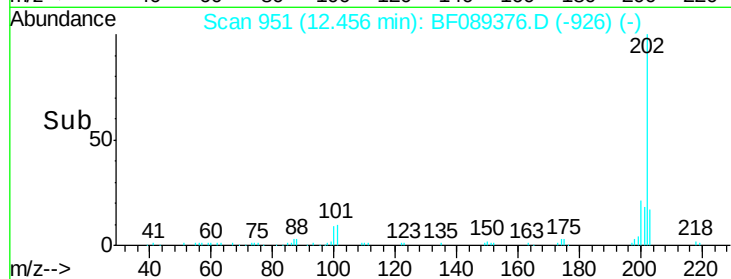
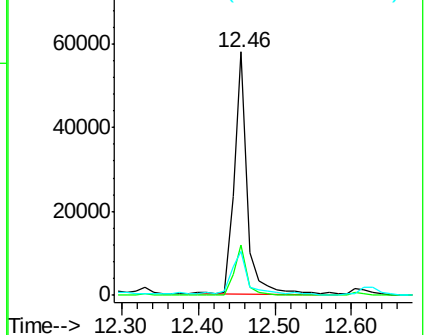
203 17.9 14.0 21.0



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: 82.93 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

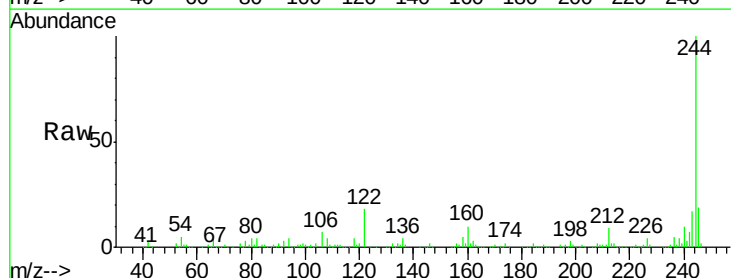
Tgt Ion: 244 Resp: 327265

Ion Ratio Lower Upper

244 100

212 8.6 6.5 9.7

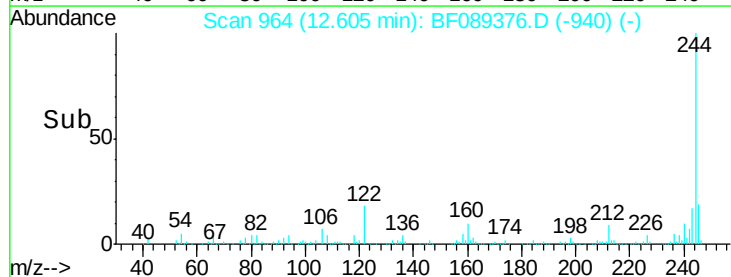
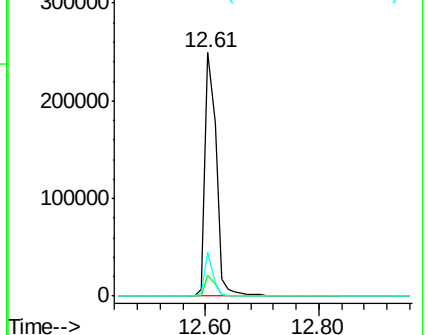
122 17.9 11.4 17.0#

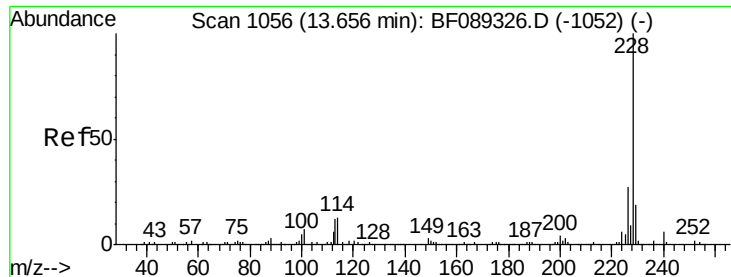


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.31 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-37-0.5-1.0

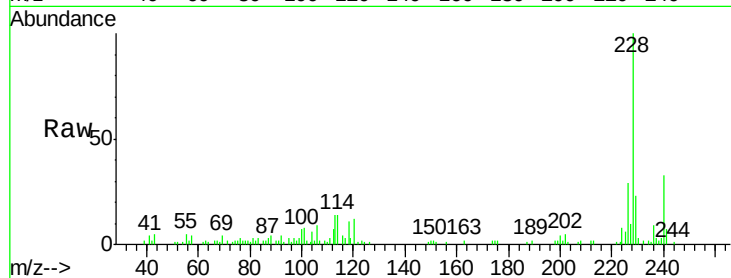
Tgt Ion:228 Resp: 32888

Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.2

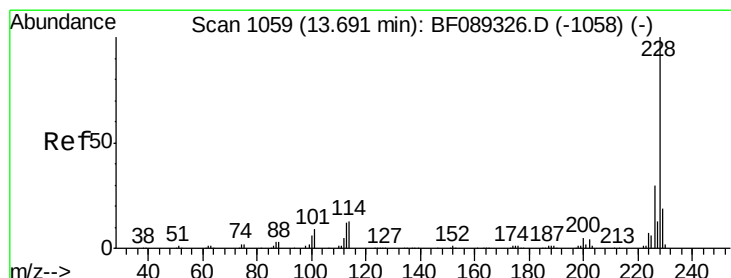
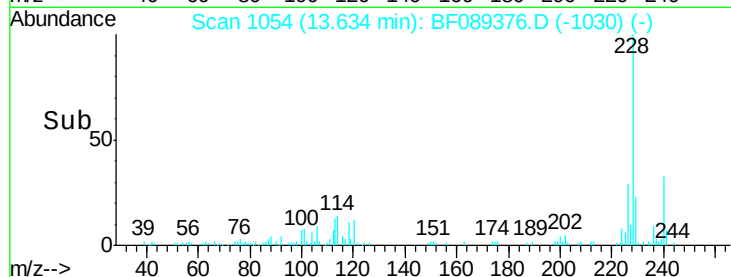
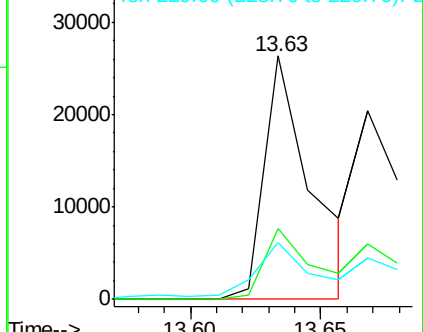
229 23.1 15.9 23.9



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: 5.04 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

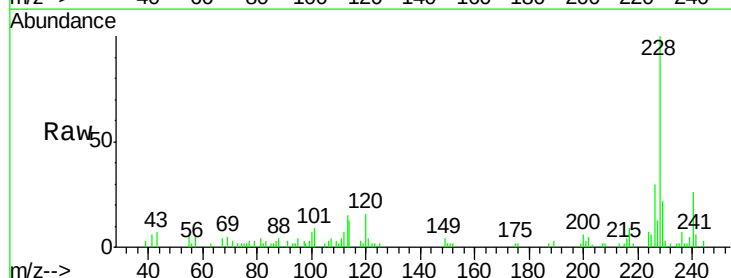
Tgt Ion:228 Resp: 27964

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

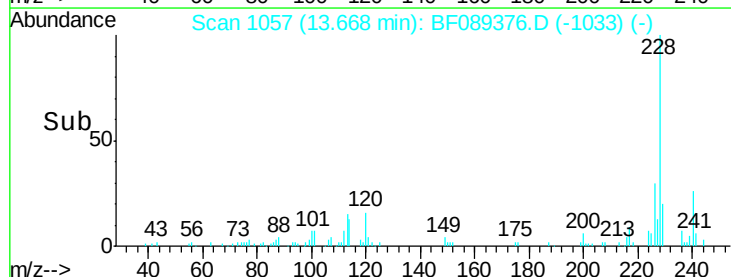
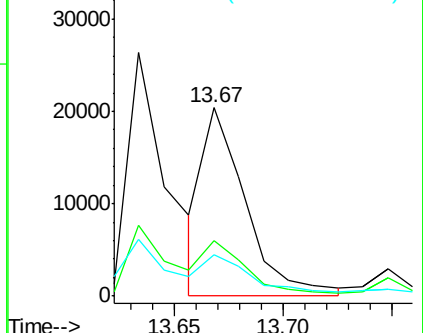
229 21.7 15.9 23.9

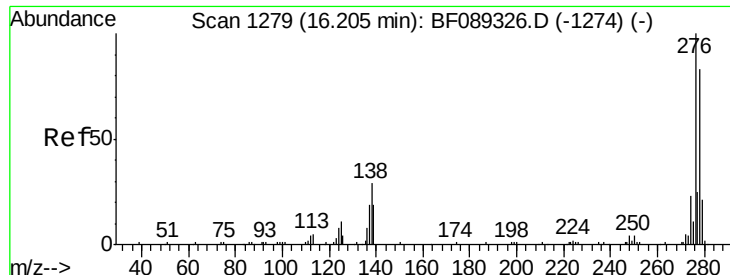


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

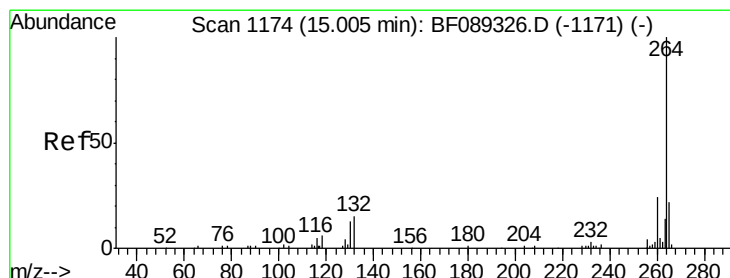
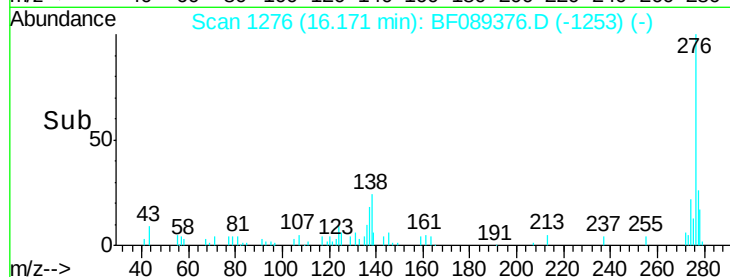
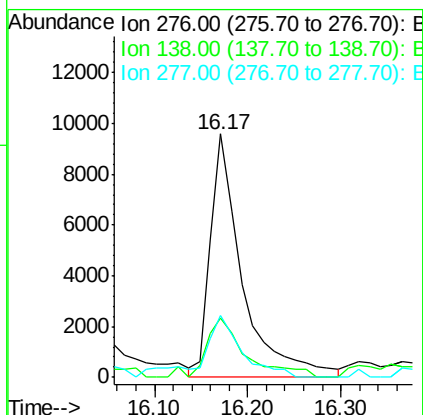
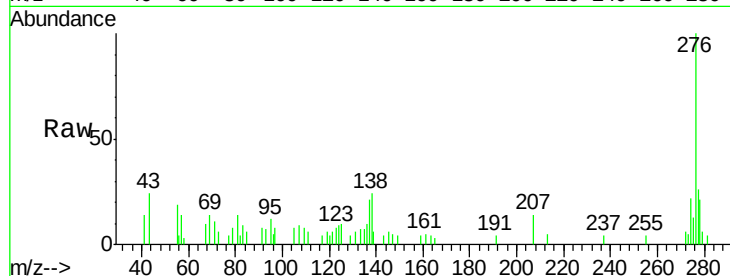




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.81 ng
 RT: 16.17 min Scan# 1276
 Delta R.T. -0.03 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

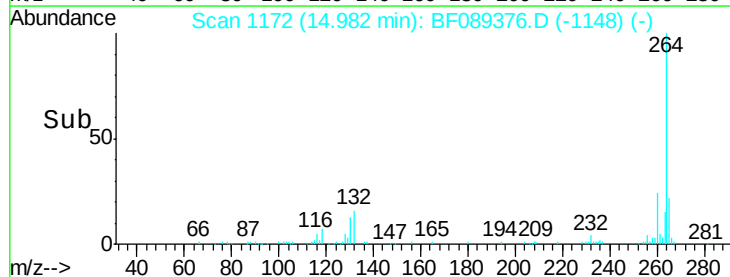
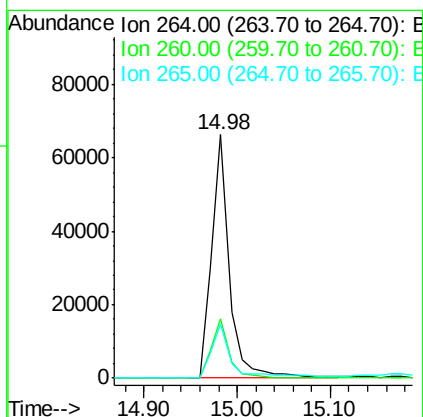
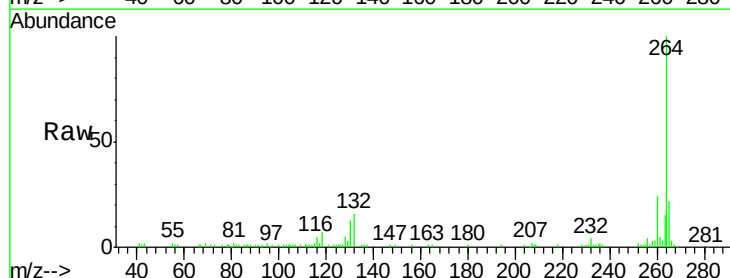
Instrument :
 BNA_F
 ClientSampleId :
 SB-37-0.5-1.0

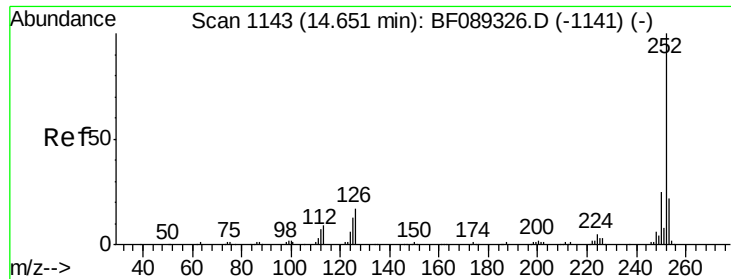
Tgt Ion: 276 Resp: 22918
 Ion Ratio Lower Upper
 276 100
 138 30.3 23.0 34.4
 277 31.3 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089376.D
 Acq: 28 Jul 2016 21:45

Tgt Ion: 264 Resp: 87835
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.4
 265 22.1 17.5 26.3

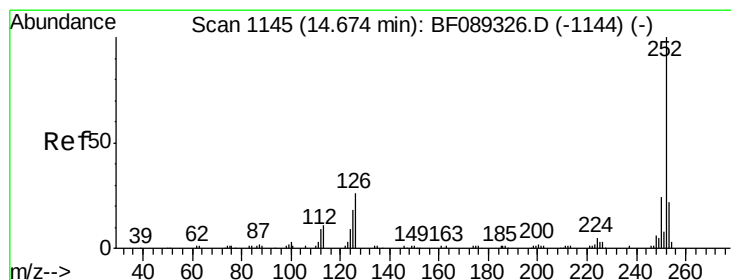
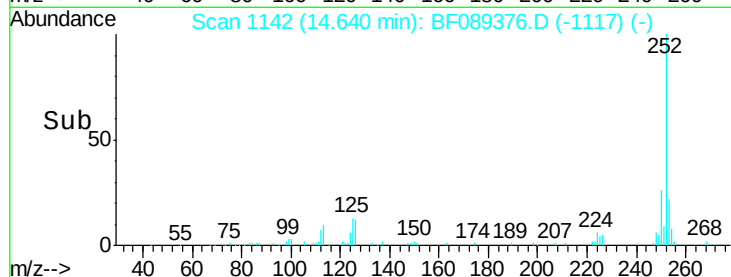
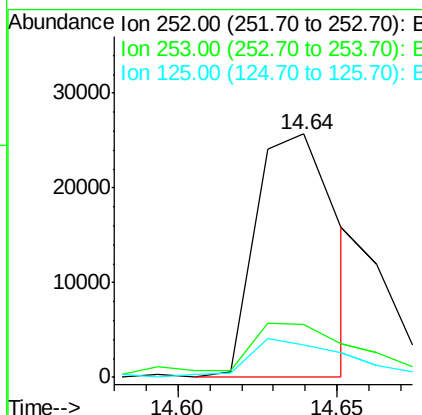
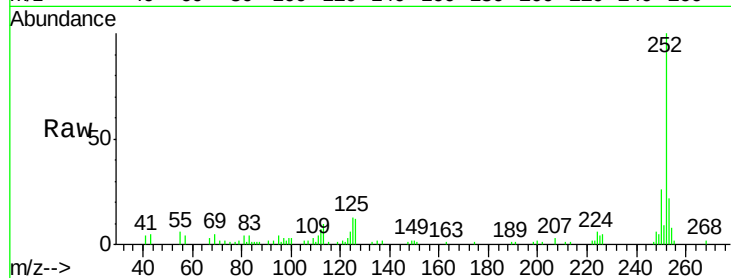




#87
Benzo(b)fluoranthene
Concen: 8.32 ng m
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

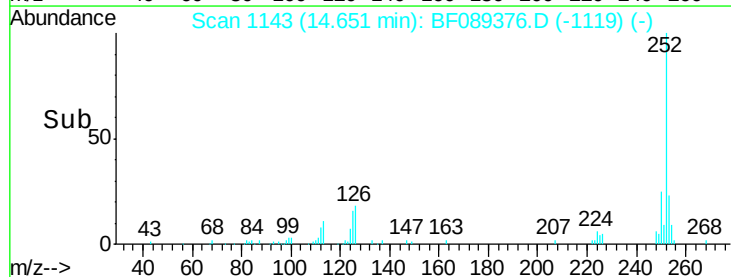
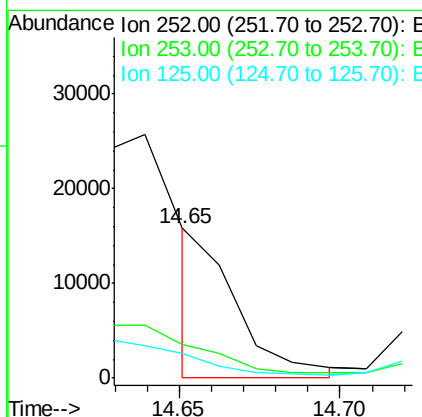
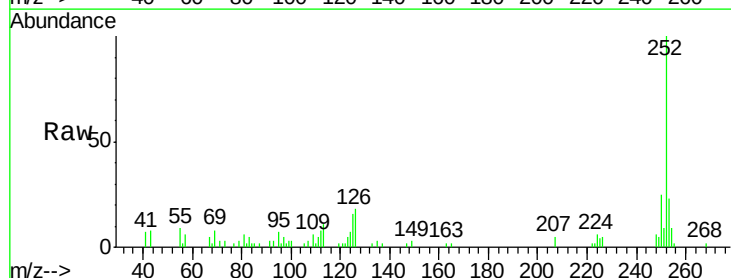
Instrument :
BNA_F
ClientSampleId :
SB-37-0.5-1.0

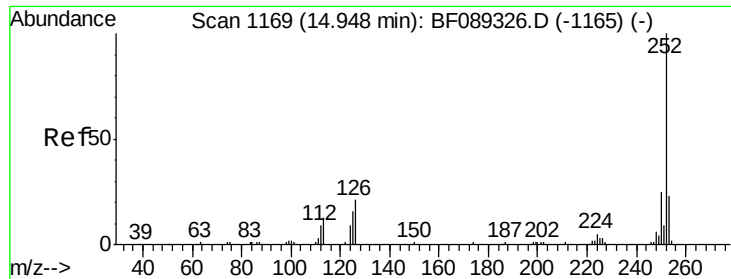
Tgt Ion:252 Resp: 45386
Ion Ratio Lower Upper
252 100
253 21.7 17.2 25.8
125 13.5 9.7 14.5



#88
Benzo(k)fluoranthene
Concen: 2.49 ng m
RT: 14.65 min Scan# 1143
Delta R.T. -0.02 min
Lab File: BF089376.D
Acq: 28 Jul 2016 21:45

Tgt Ion:252 Resp: 12502
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 16.2 10.7 16.1#





#89

Benzo(a)pyrene

Concen: 6.14 ng m

RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

Instrument :

BNA_F

ClientSampleId :

SB-37-0.5-1.0

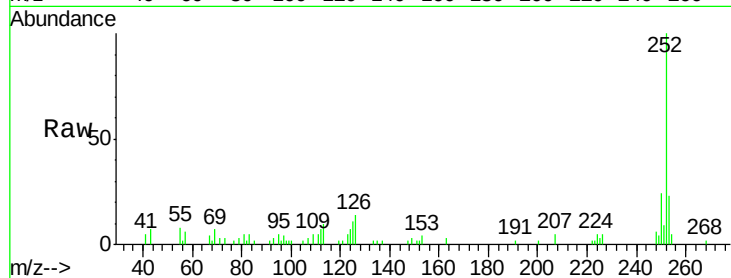
Tgt Ion:252 Resp: 30049

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

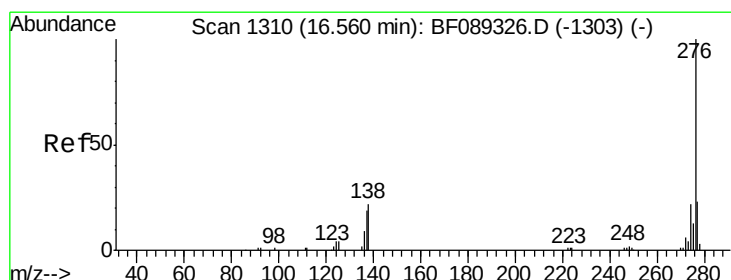
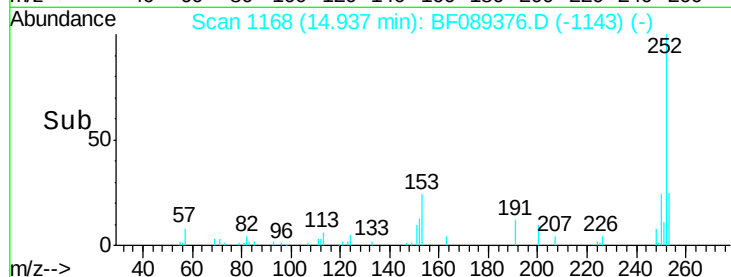
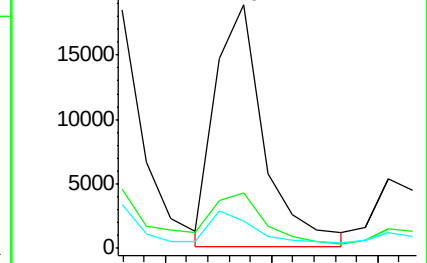
125 11.2 12.4 18.6#



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



#91

Benzo(g,h,i)perylene

Concen: 6.04 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089376.D

Acq: 28 Jul 2016 21:45

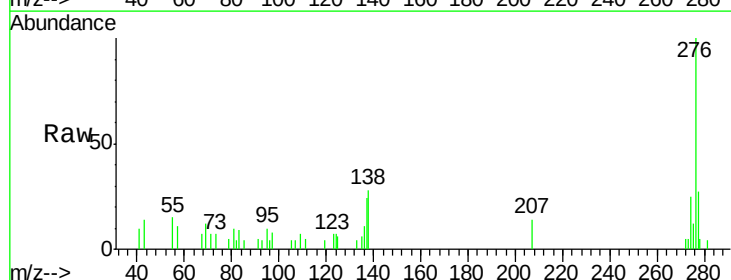
Tgt Ion:276 Resp: 22903

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 27.7 21.4 32.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

