

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089384.D
 Acq On : 29 Jul 2016 1:37
 Operator : UM/SJ
 Sample : H4216-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1

Quant Time: Jul 29 03:25:23 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

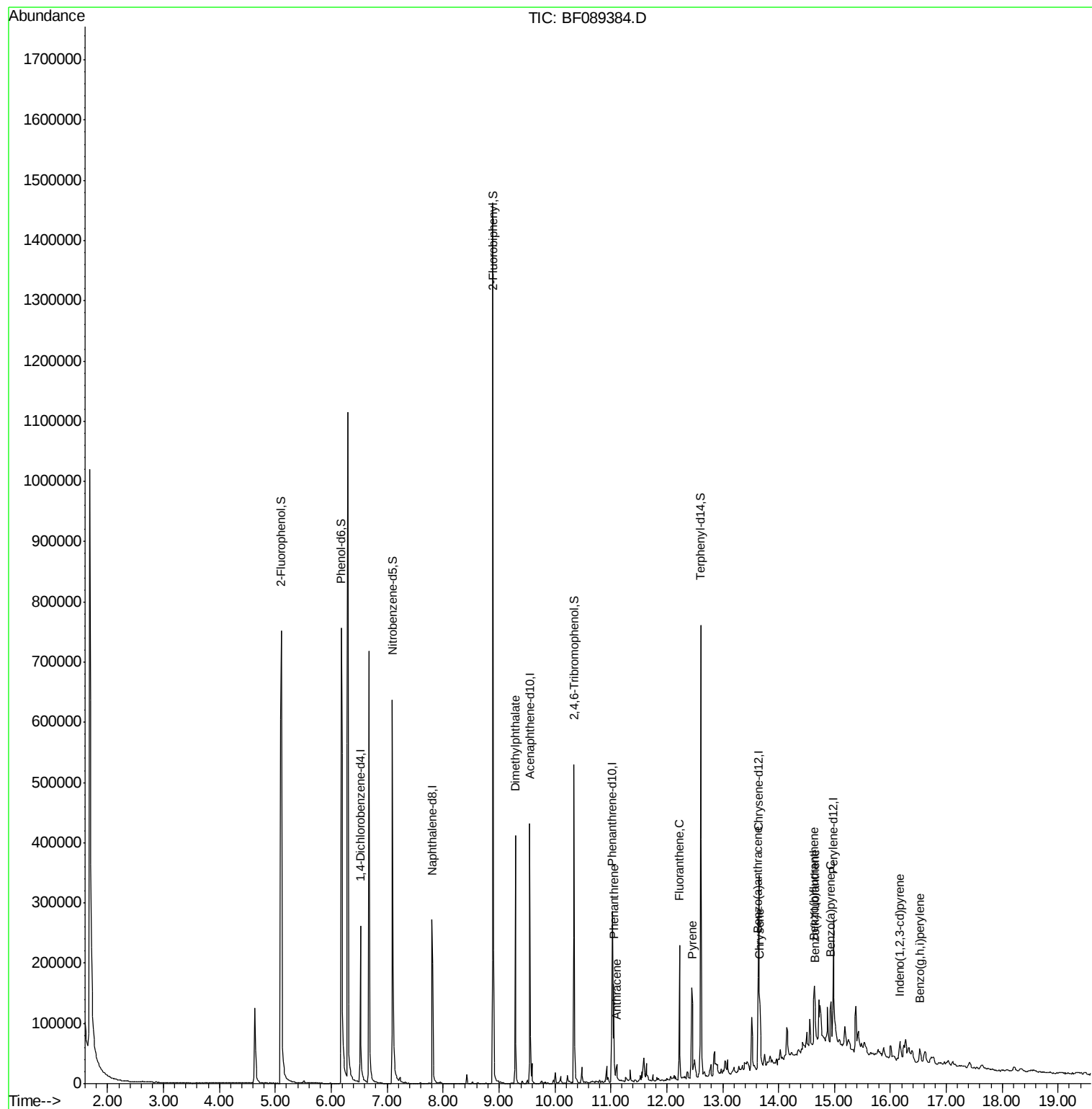
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	48834	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	189481	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	82576	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	121139	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	95961	20.00	ng	-0.02
86) Perylene-d12	14.98	264	82513	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.11	112	349920	114.41	ng	0.00
7) Phenol-d6	6.18	99	429208	106.19	ng	-0.02
23) Nitrobenzene-d5	7.10	82	275943	85.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	66169	96.75	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	455311	80.92	ng	-0.02
78) Terphenyl-d14	12.61	244	274682	66.99	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.29	163	156672	24.93	ng	99
70) Phenanthrene	11.05	178	64567	10.33	ng	99
71) Anthracene	11.11	178	19824	2.85	ng	97
74) Fluoranthene	12.23	202	94130	14.32	ng	98
77) Pyrene	12.46	202	83284	11.45	ng	100
80) Benzo(a)anthracene	13.63	228	45484m	8.40	ng	
82) Chrysene	13.67	228	36693	6.37	ng	99
85) Indeno(1,2,3-cd)pyrene	16.17	276	20307	4.95	ng	# 86
87) Benzo(b)fluoranthene	14.64	252	51385m	10.03	ng	
88) Benzo(k)fluoranthene	14.65	252	14864m	3.16	ng	
89) Benzo(a)pyrene	14.94	252	34286	7.46	ng	96
91) Benzo(g,h,i)perylene	16.53	276	21086	5.92	ng	97

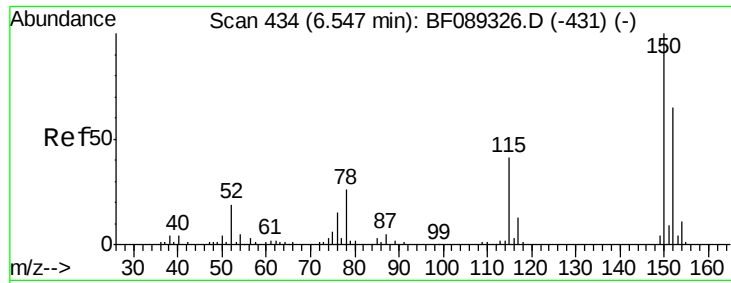
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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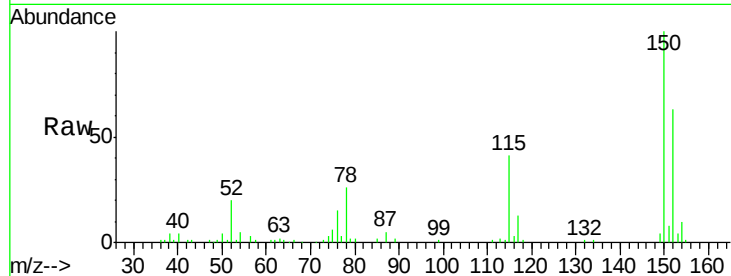




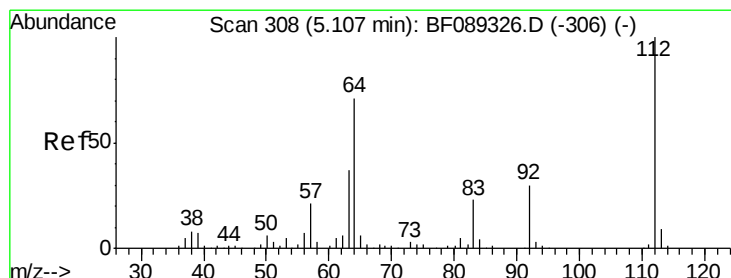
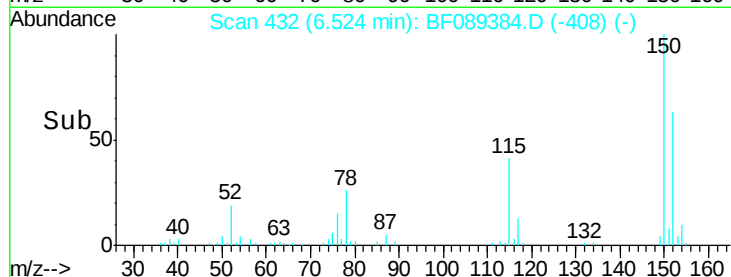
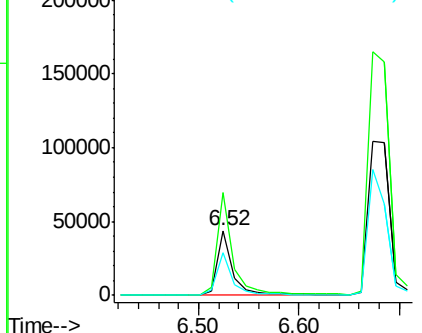
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.52 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1

Tgt Ion:152 Resp: 48834
 Ion Ratio Lower Upper
 152 100
 150 158.0 129.5 194.3
 115 65.2 51.4 77.2

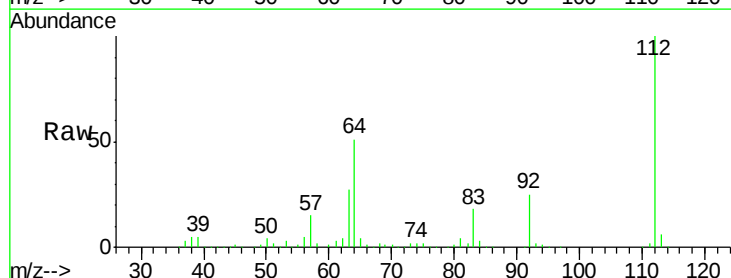


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

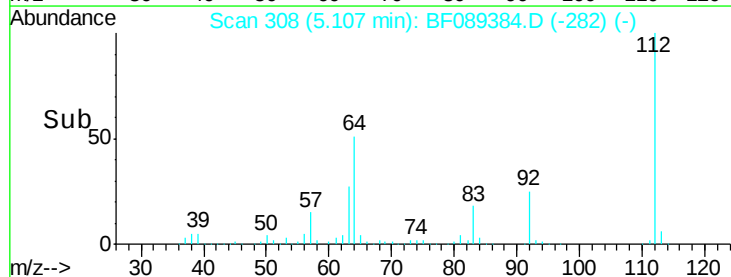
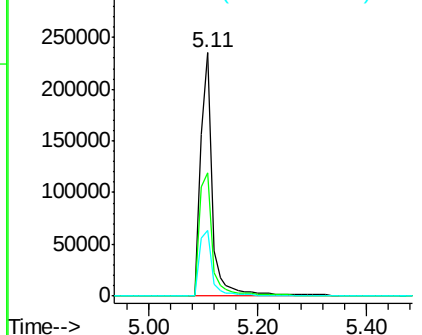


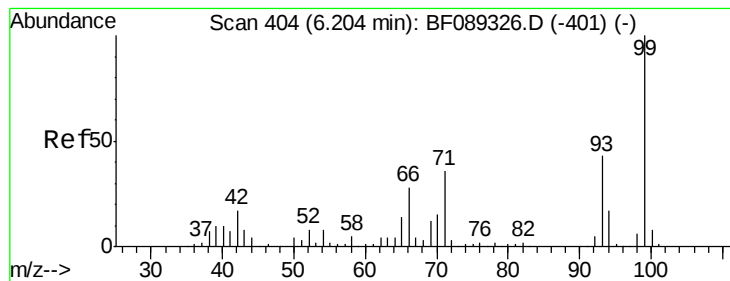
#5
 2-Fluorophenol
 Concen: 114.41 ng
 RT: 5.11 min Scan# 308
 Delta R.T. 0.00 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Tgt Ion:112 Resp: 349920
 Ion Ratio Lower Upper
 112 100
 64 50.6 55.0 82.6#
 63 27.1 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: 106.19 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SP-2(LOT107N)0-1

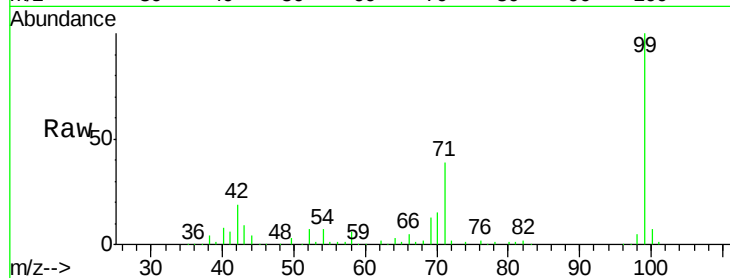
Tgt Ion: 99 Resp: 429208

Ion Ratio Lower Upper

99 100

42 18.8 13.6 20.4

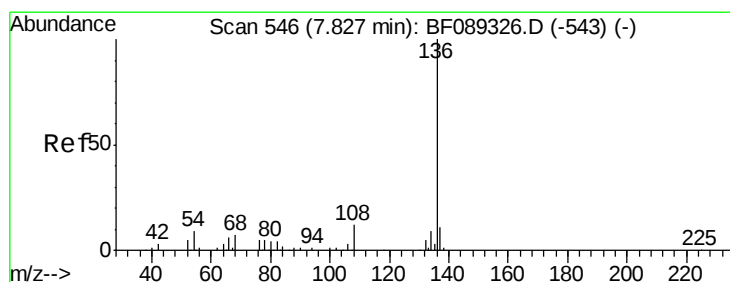
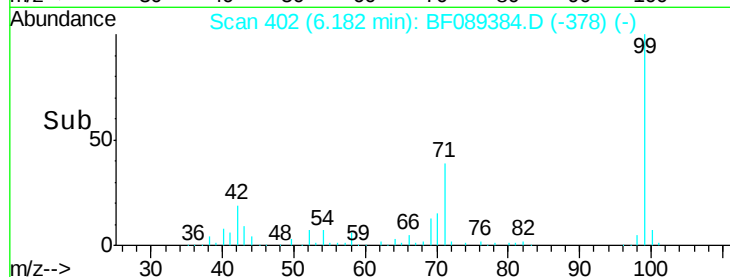
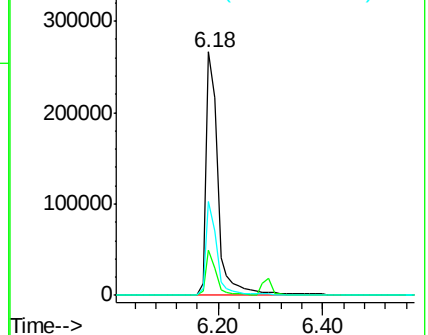
71 38.5 29.4 44.2



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: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

Tgt Ion: 136 Resp: 189481

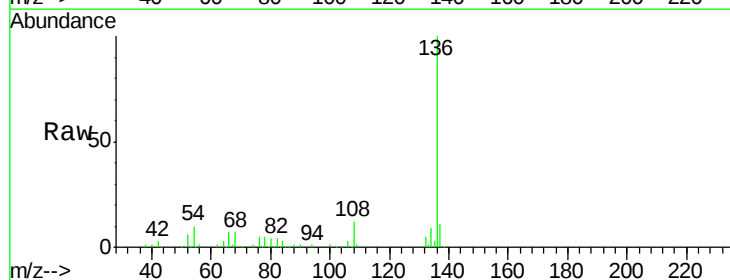
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 9.8 7.0 10.4

68 7.3 4.9 7.3

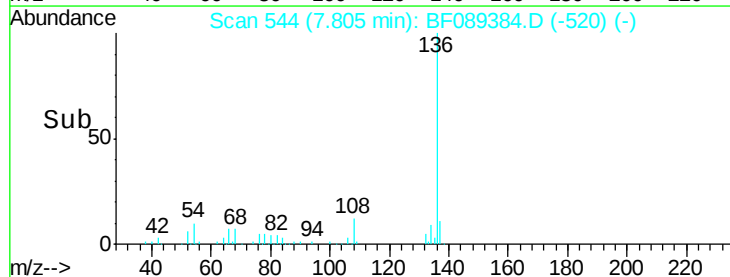
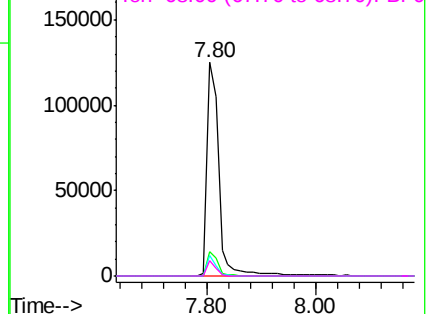


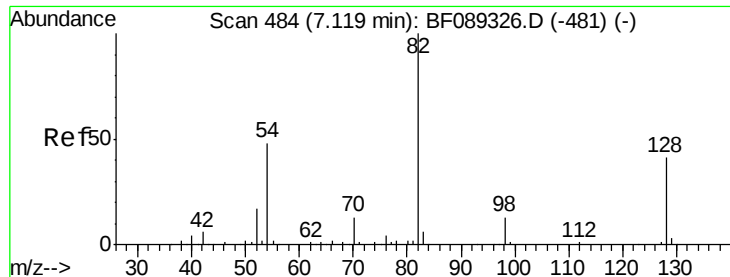
Abundance Ion 136.00 (135.70 to 136.70): E

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

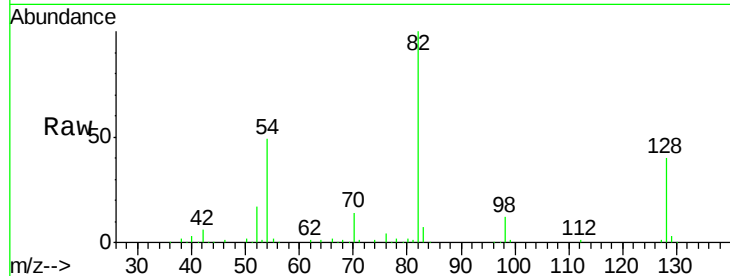




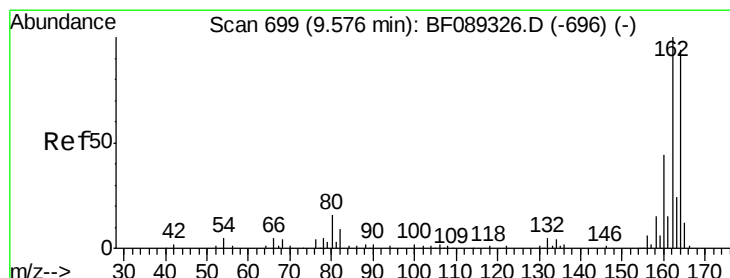
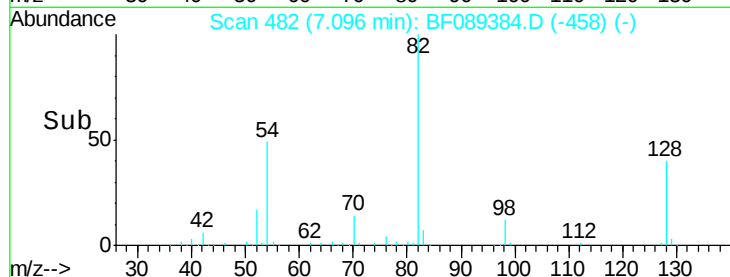
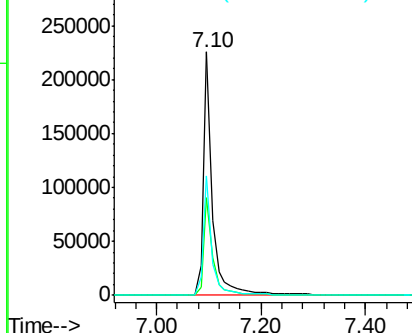
#23
 Nitrobenzene-d5
 Concen: 85.96 ng
 RT: 7.10 min Scan# 482
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1

Tgt Ion: 82 Resp: 275943
 Ion Ratio Lower Upper
 82 100
 128 39.9 32.5 48.7
 54 48.9 38.8 58.2

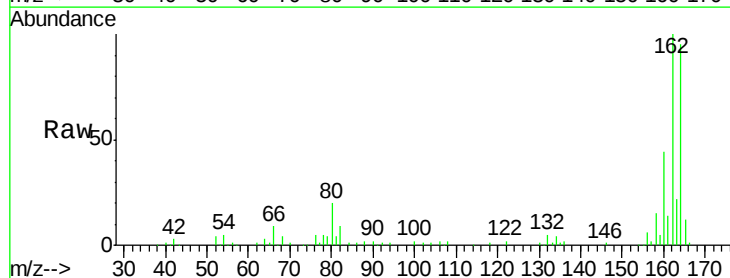


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

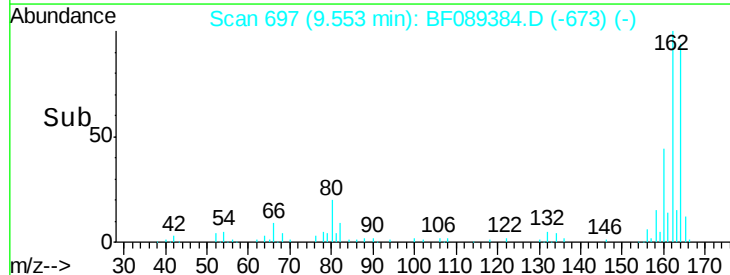
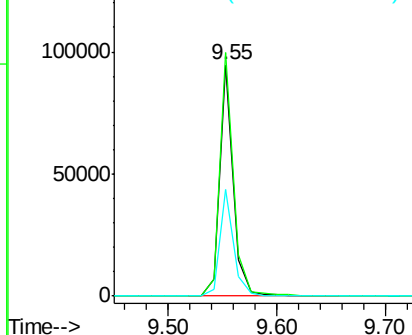


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Tgt Ion: 164 Resp: 82576
 Ion Ratio Lower Upper
 164 100
 162 105.4 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

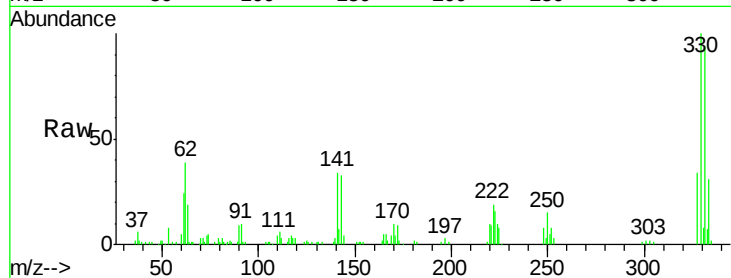




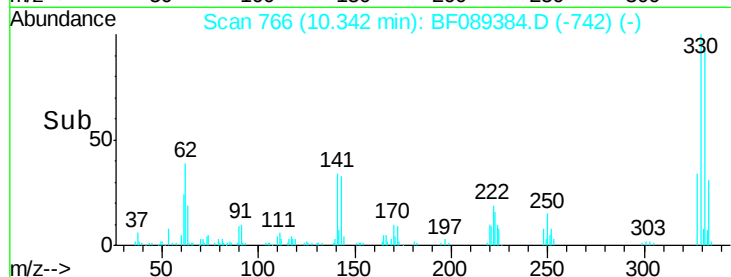
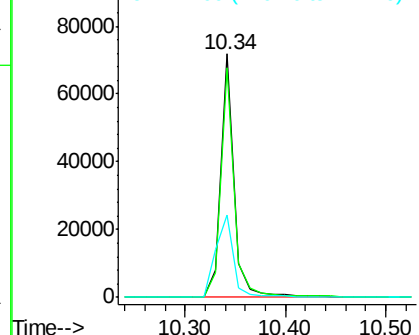
#41
 2,4,6-Tribromophenol
 Concen: 96.75 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1

Tgt Ion:330 Resp: 66169
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 45.4 37.3 55.9

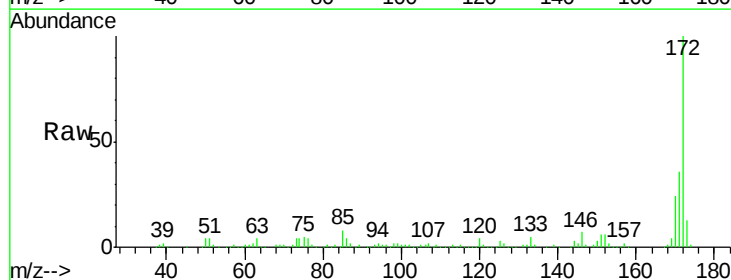


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

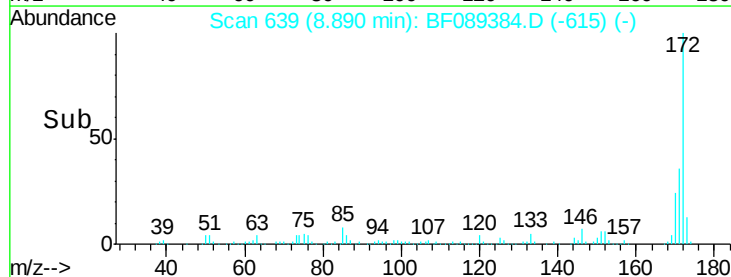
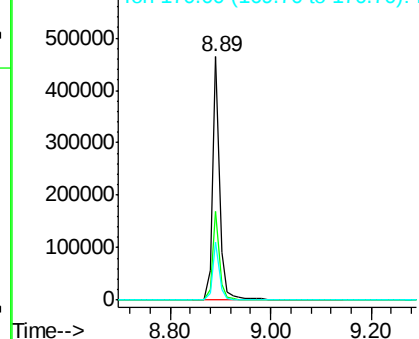


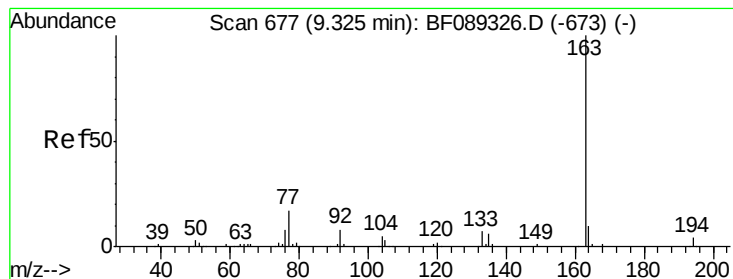
#44
 2-Fluorobiphenyl
 Concen: 80.92 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Tgt Ion:172 Resp: 455311
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 24.0 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: 24.93 ng

RT: 9.29 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SP-2(LOT107N)0-1

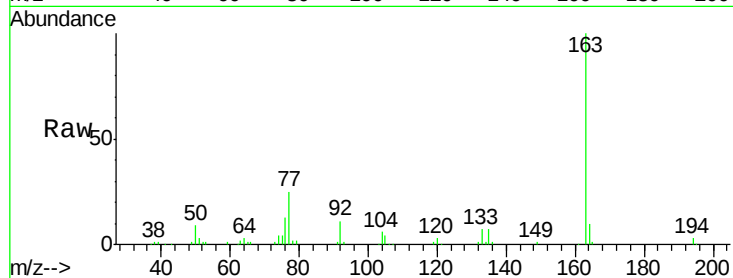
Tgt Ion:163 Resp: 156672

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

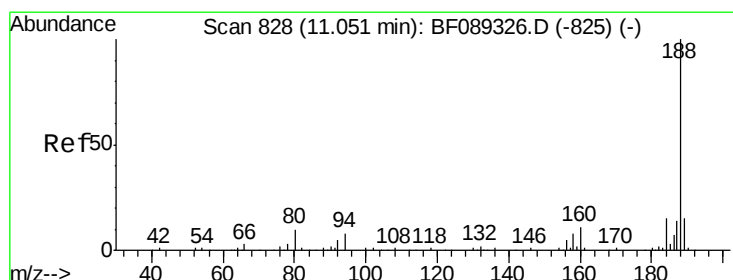
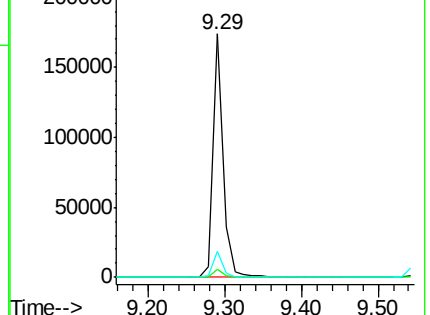
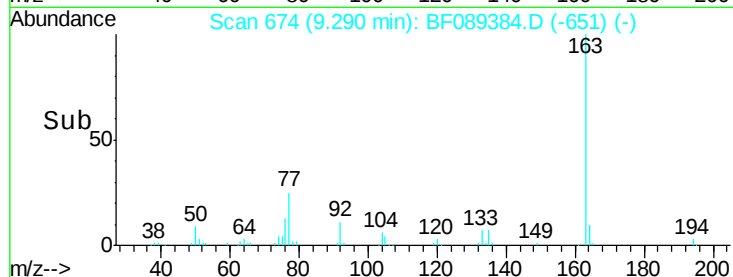
164 10.4 7.8 11.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.03 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

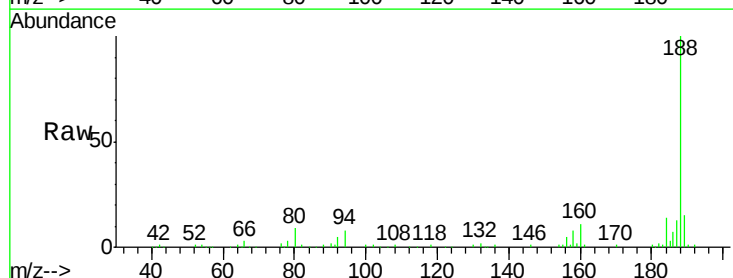
Tgt Ion:188 Resp: 121139

Ion Ratio Lower Upper

188 100

94 8.3 6.5 9.7

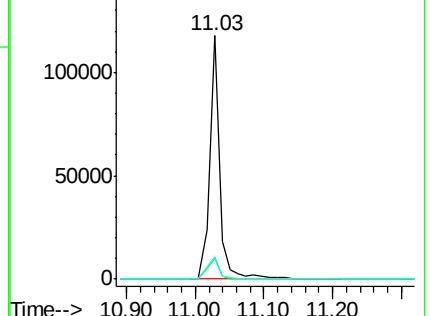
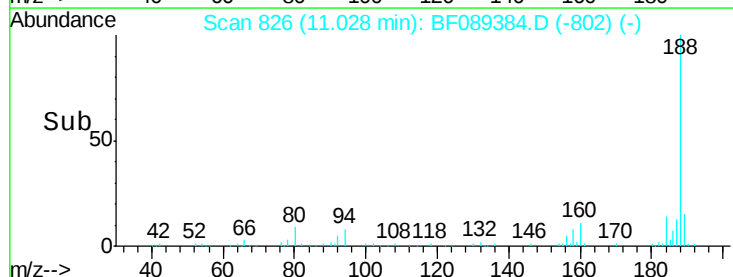
80 8.9 7.2 10.8

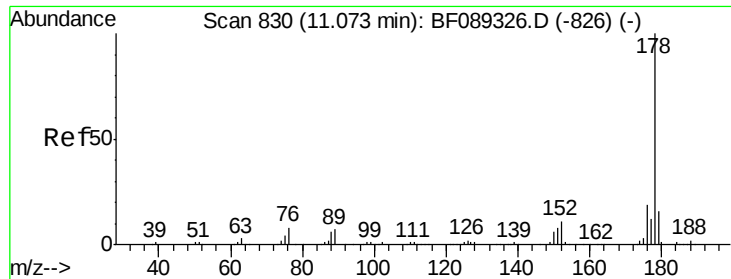


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

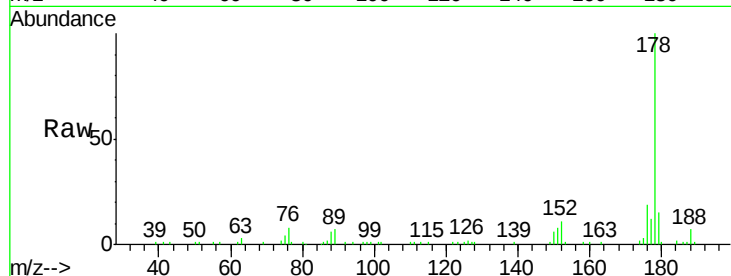




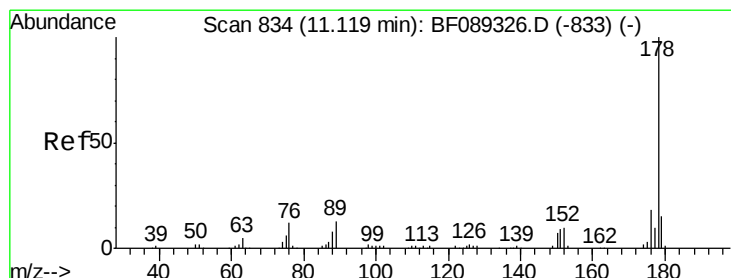
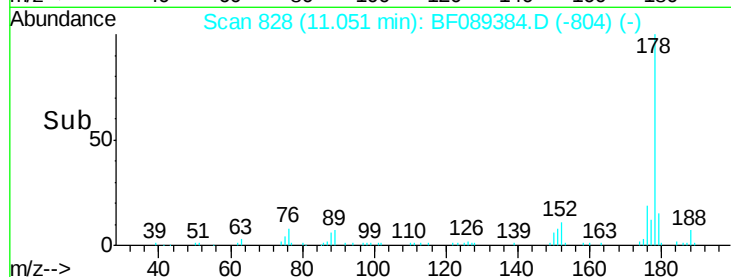
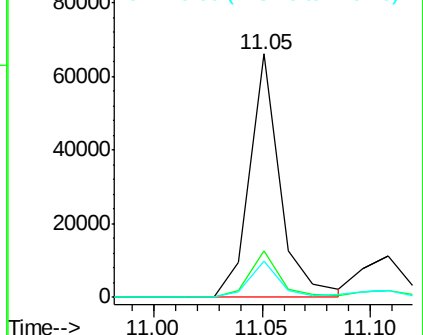
#70
Phenanthrene
Concen: 10.33 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089384.D
Acq: 29 Jul 2016 1:37

Instrument :
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SP-2(LOT107N)0-1

Tgt Ion:178 Resp: 64567
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.9 12.3 18.5

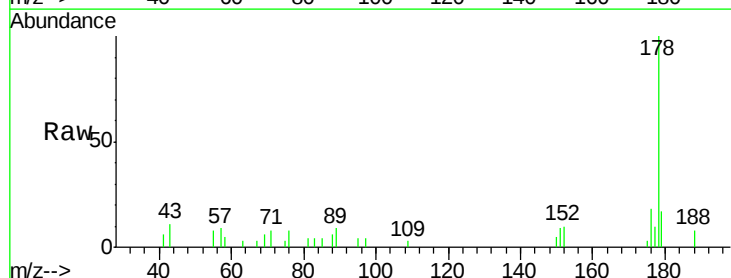


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

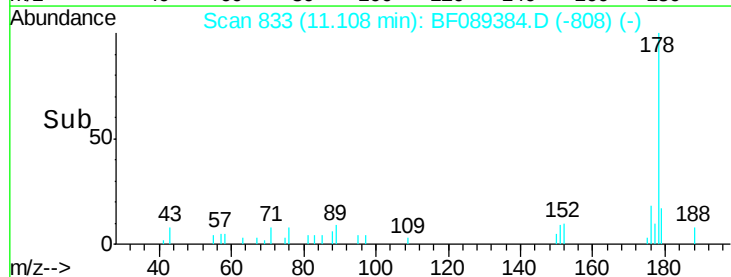
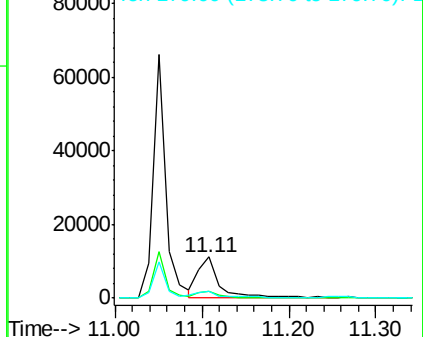


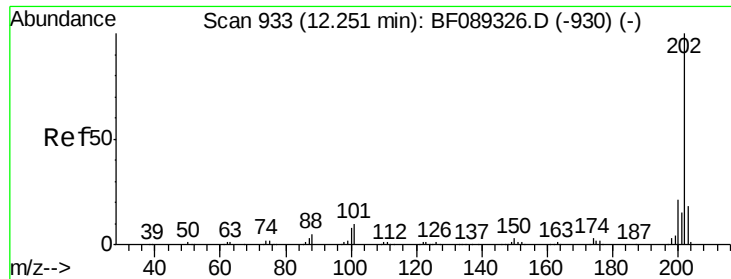
#71
Anthracene
Concen: 2.85 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF089384.D
Acq: 29 Jul 2016 1:37

Tgt Ion:178 Resp: 19824
Ion Ratio Lower Upper
178 100
176 17.7 14.8 22.2
179 17.3 12.6 18.8



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

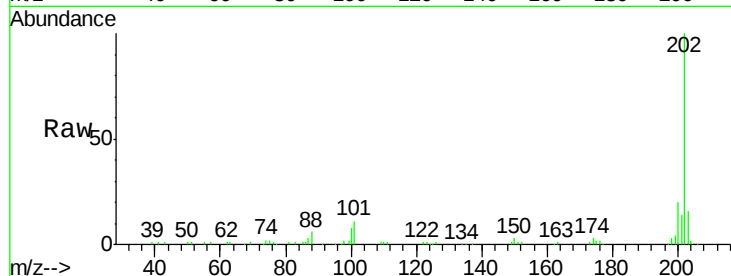




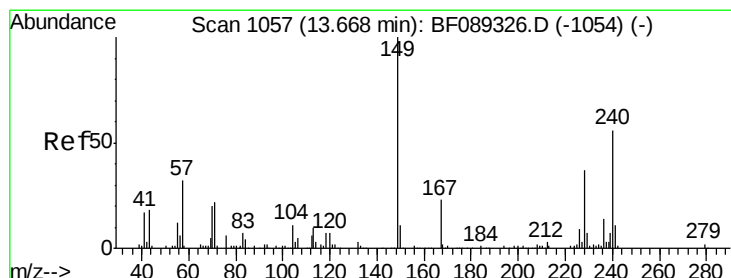
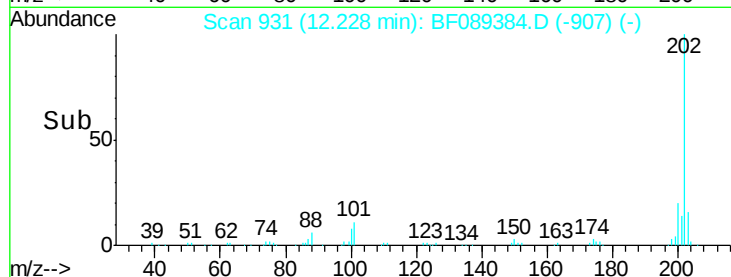
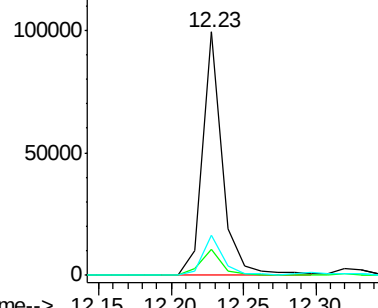
#74
 Fluoranthene
 Concen: 14.32 ng
 RT: 12.23 min Scan# 931
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	29.9
203	16.4	0.0	37.3

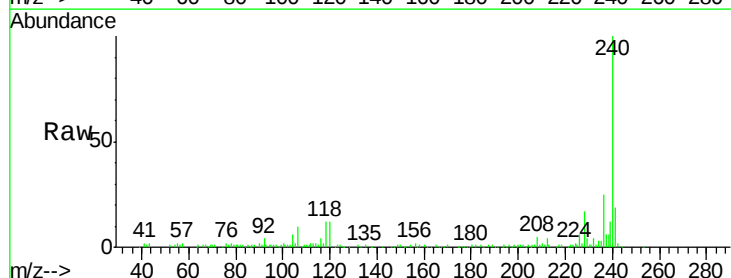


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

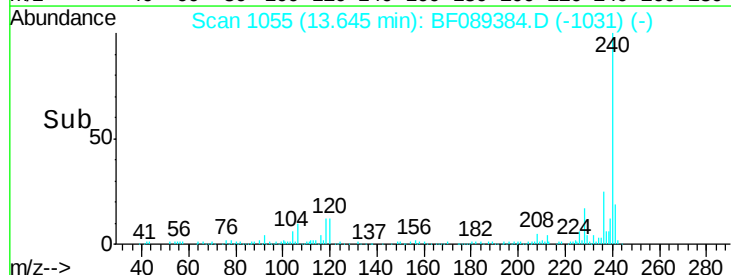
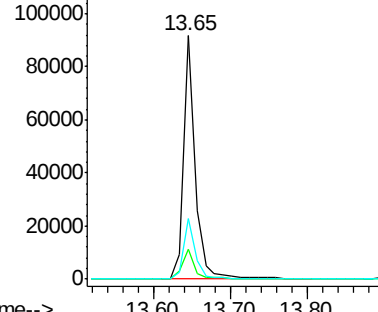


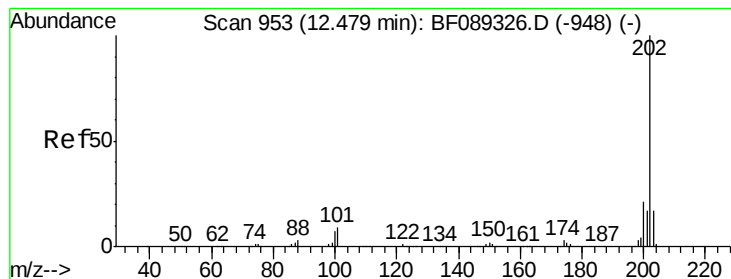
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.1	13.7
236	25.1	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: 11.45 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SP-2(LOT107N)0-1

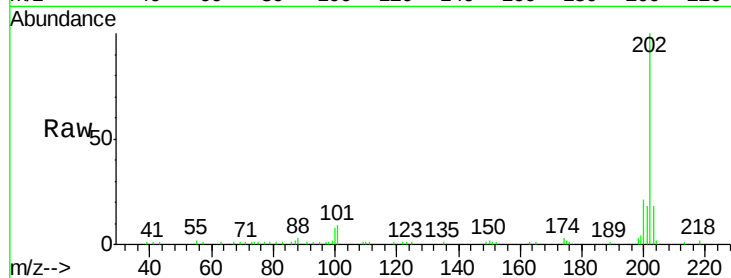
Tgt Ion:202 Resp: 83284

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

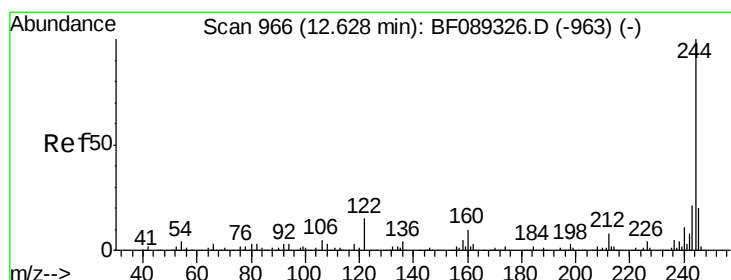
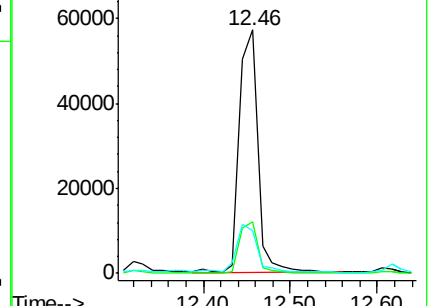
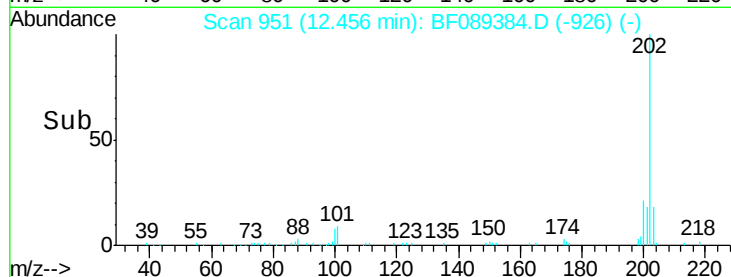
203 17.6 14.0 21.0



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: 66.99 ng

RT: 12.61 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

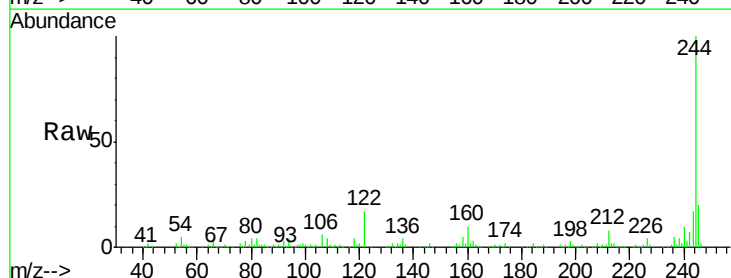
Tgt Ion:244 Resp: 274682

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

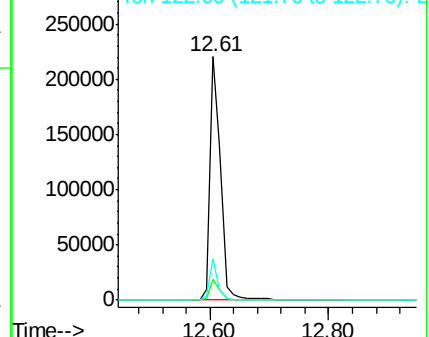
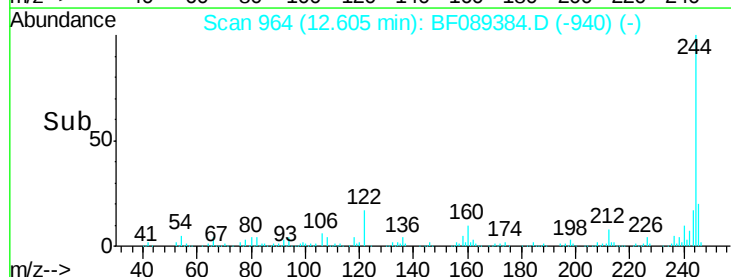
122 16.8 11.4 17.0

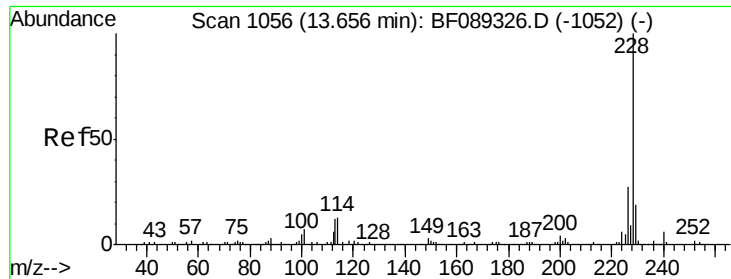


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.40 ng m

RT: 13.63 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SP-2(LOT107N)0-1

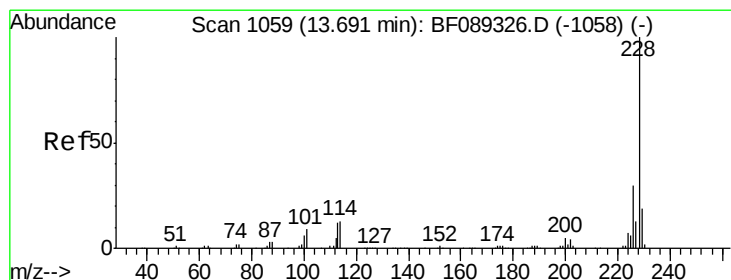
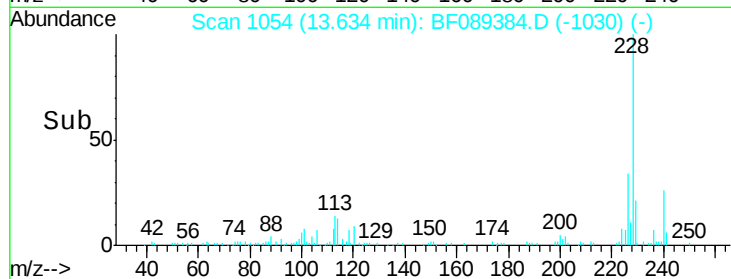
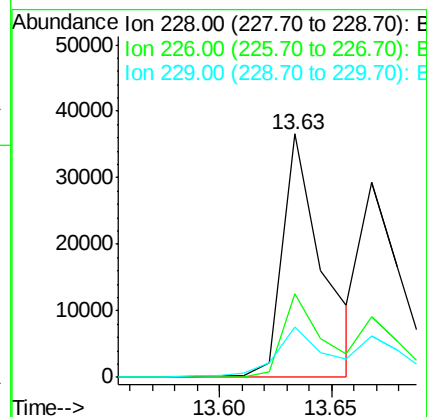
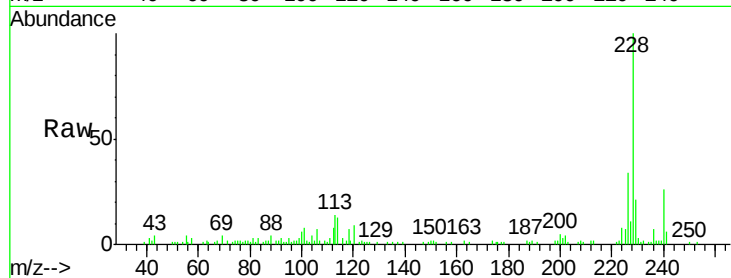
Tgt Ion:228 Resp: 45484

Ion Ratio Lower Upper

228 100

226 34.1 21.4 32.2#

229 20.7 15.9 23.9



#82

Chrysene

Concen: 6.37 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

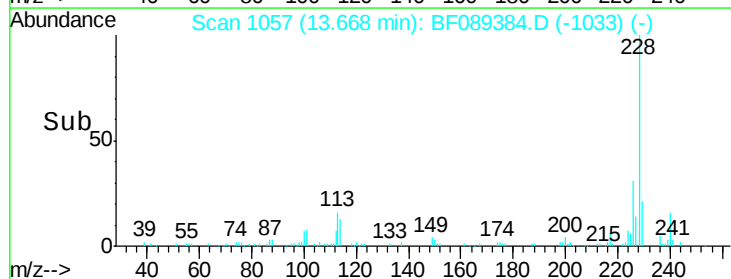
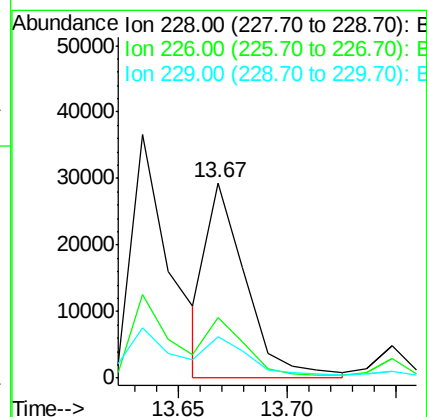
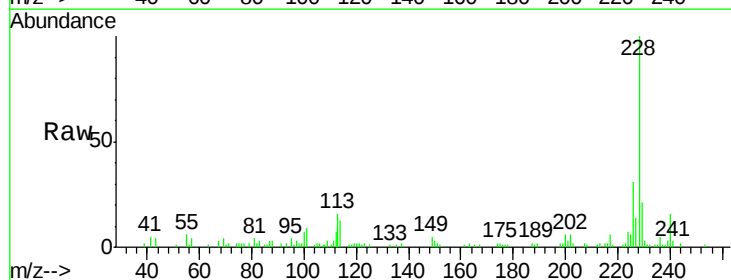
Tgt Ion:228 Resp: 36693

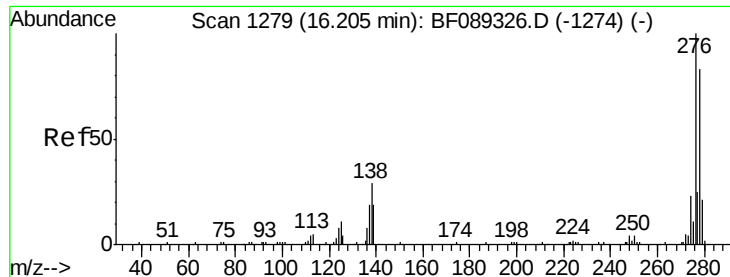
Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 20.9 15.9 23.9

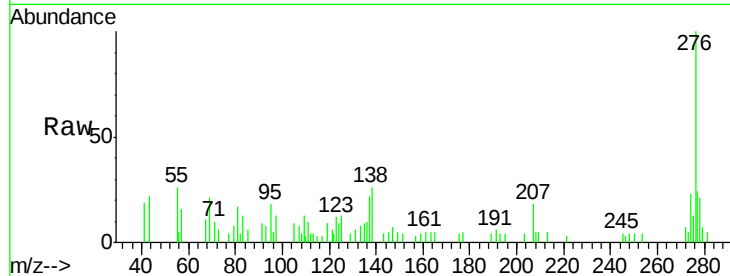




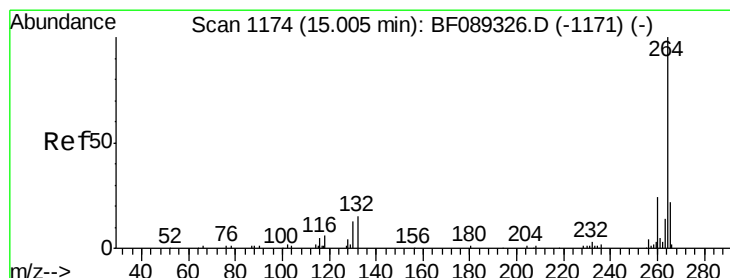
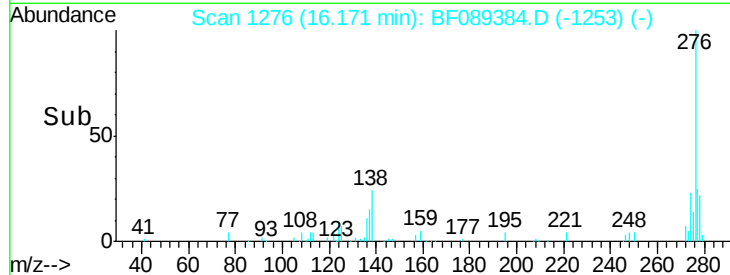
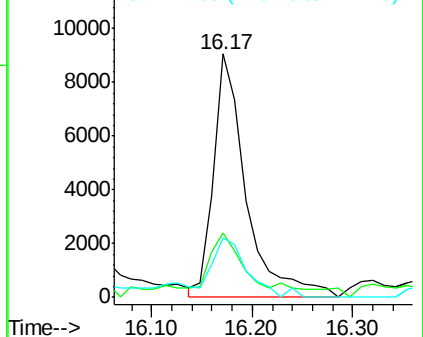
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.95 ng
 RT: 16.17 min Scan# 1276
 Delta R.T. -0.03 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-2(LOT107N)0-1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.7	23.0	34.4#
277	33.0	20.2	30.4#

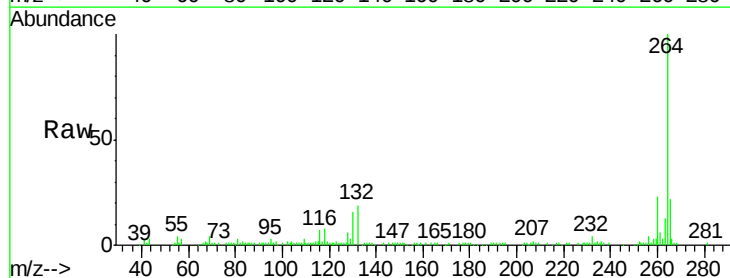


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

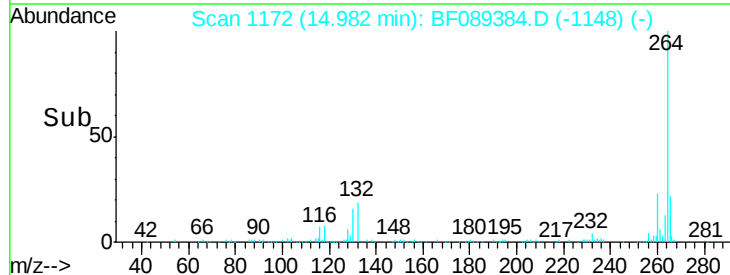
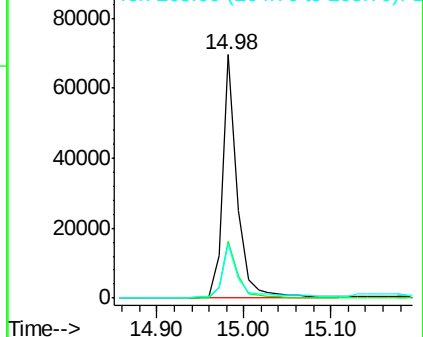


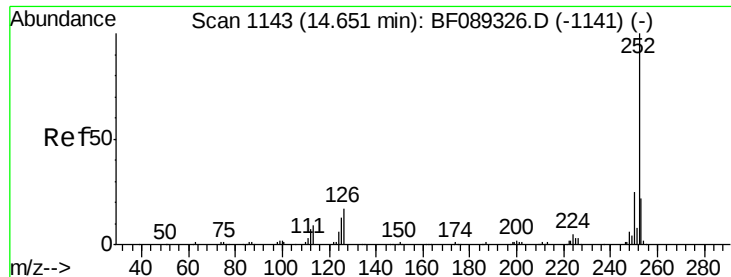
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.98 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF089384.D
 Acq: 29 Jul 2016 1:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	22.1	17.5	26.3



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: 10.03 ng m

RT: 14.64 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SP-2(LOT107N)0-1

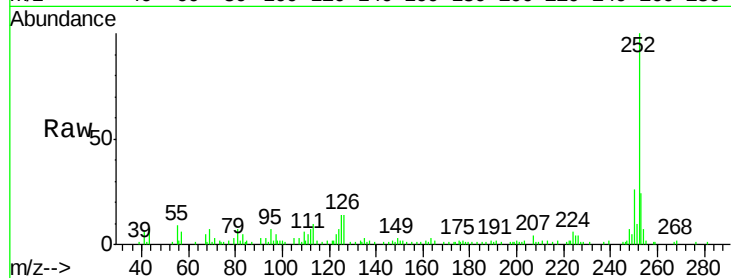
Tgt Ion:252 Resp: 51385

Ion Ratio Lower Upper

252 100

253 23.9 17.2 25.8

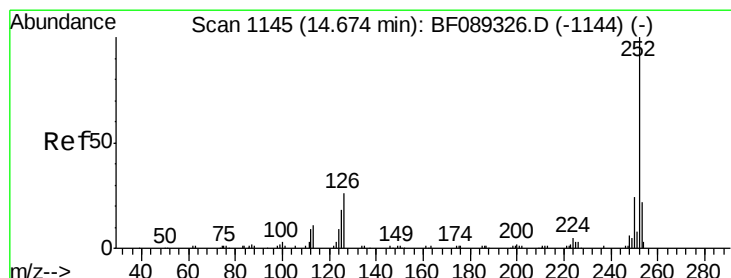
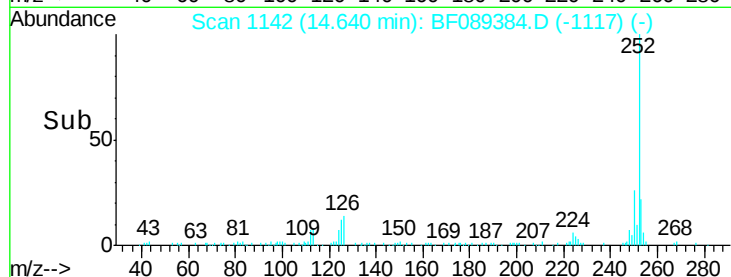
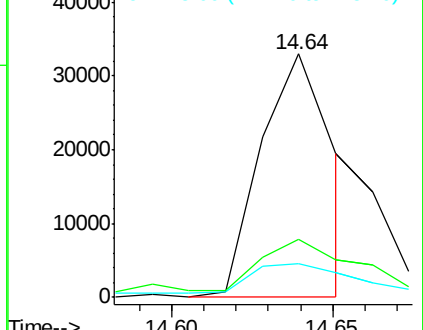
125 14.0 9.7 14.5



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: 3.16 ng m

RT: 14.65 min Scan# 1143

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

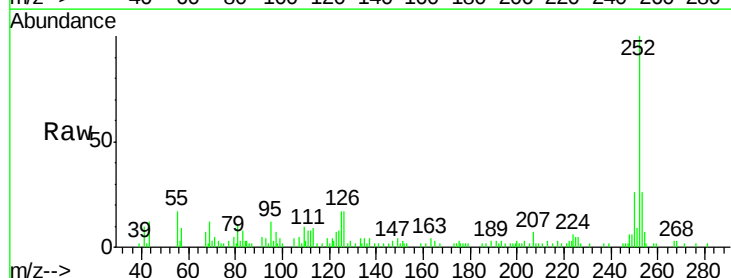
Tgt Ion:252 Resp: 14864

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.8

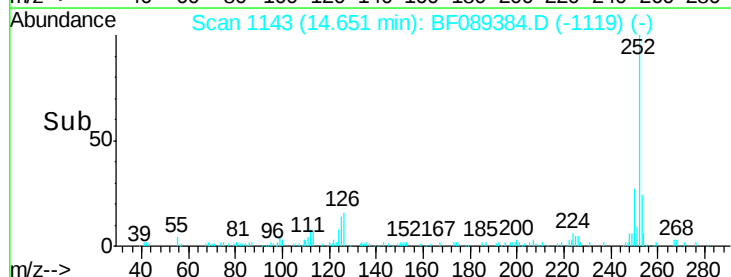
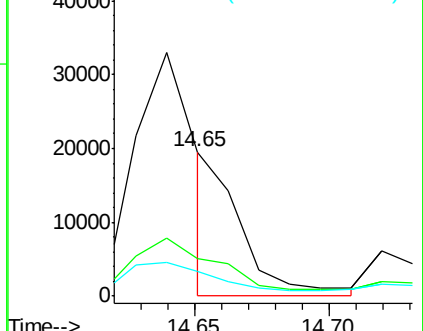
125 16.9 10.7 16.1#

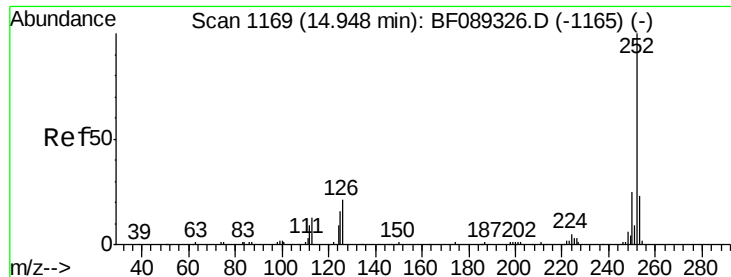


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.46 ng

RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

Instrument :

BNA_F

ClientSampleId :

SP-2(LOT107N)0-1

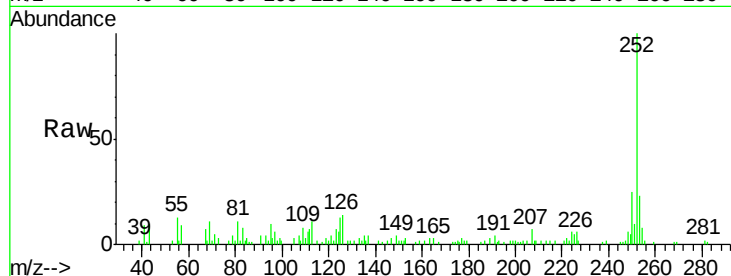
Tgt Ion:252 Resp: 34286

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

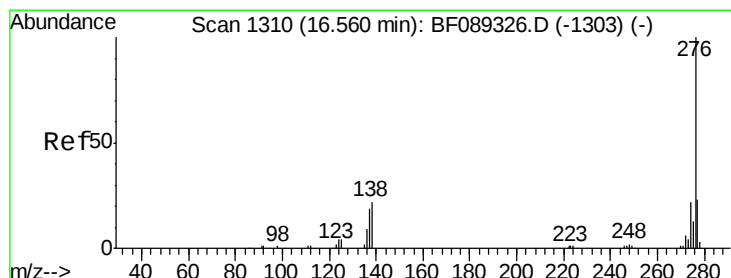
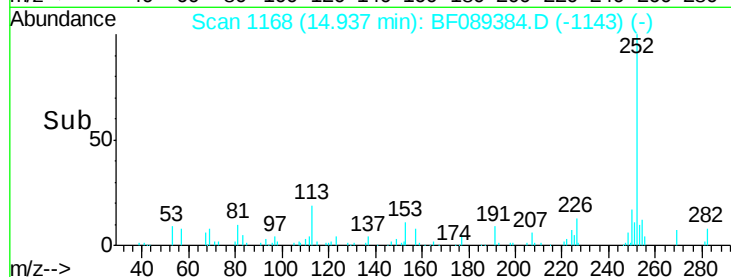
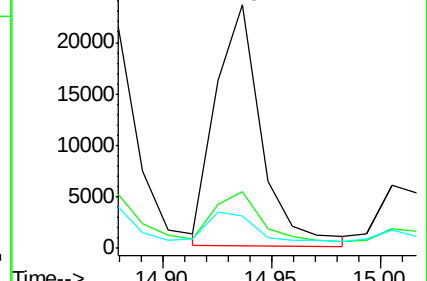
125 13.1 12.4 18.6



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: 5.92 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089384.D

Acq: 29 Jul 2016 1:37

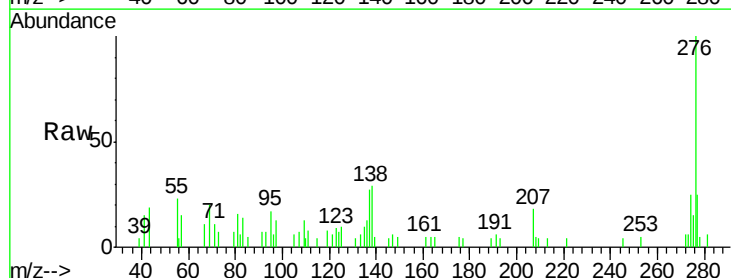
Tgt Ion:276 Resp: 21086

Ion Ratio Lower Upper

276 100

277 24.6 18.6 28.0

138 28.6 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

