

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093016\
 Data File : BF090328.D
 Acq On : 30 Sep 2016 22:38
 Operator : UM/SJ
 Sample : H5025-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-3

Quant Time: Oct 01 00:07:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 30 23:14:34 2016
 Response via : Initial Calibration

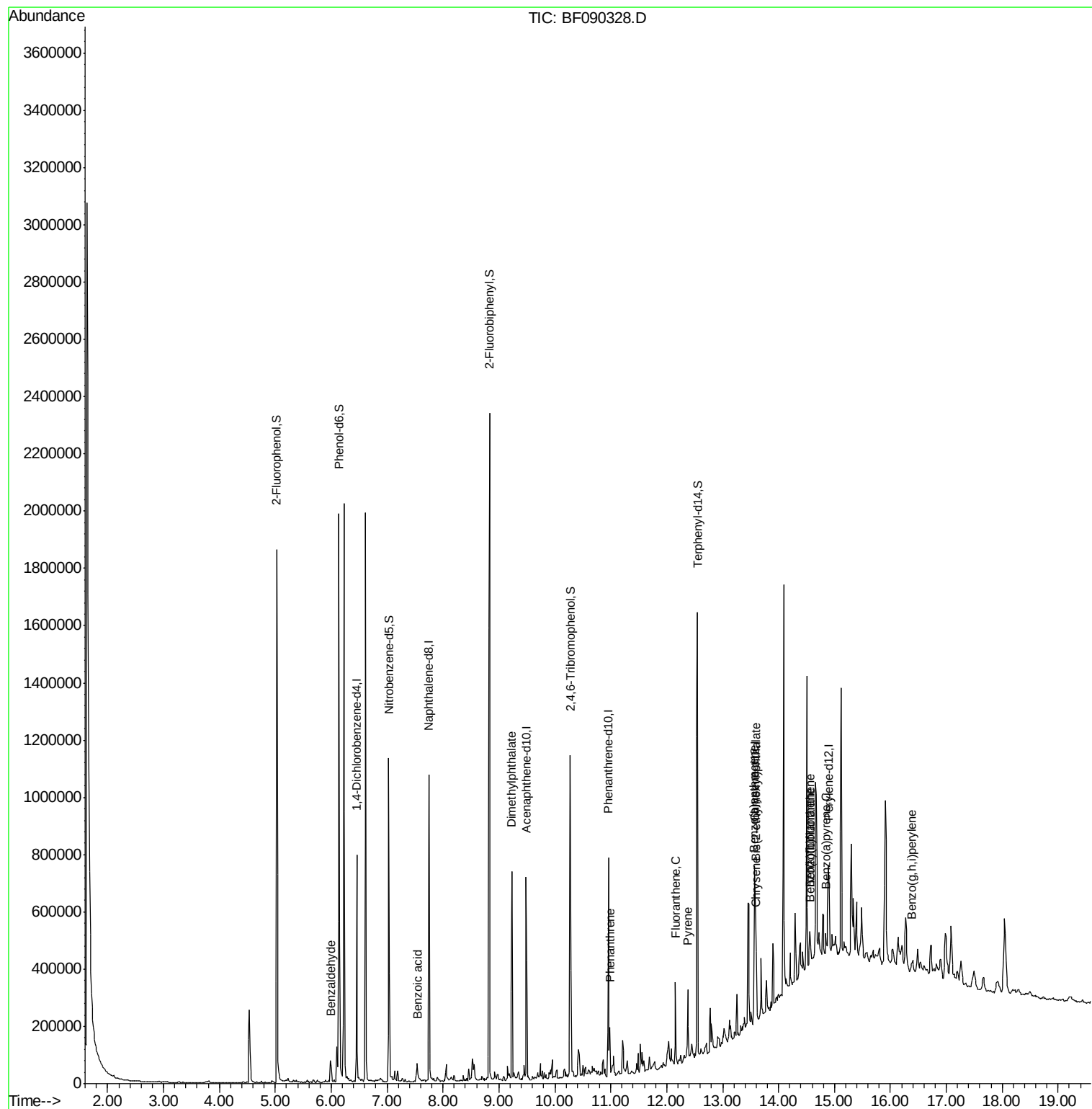
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	121080	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	453920	20.00	ng	0.00
38) Acenaphthene-d10	9.48	164	189034	20.00	ng	0.00
63) Phenanthrene-d10	10.96	188	266036	20.00	ng	0.01
75) Chrysene-d12	13.58	240	224618	20.00	ng	0.01
86) Perylene-d12	14.89	264	160830	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	688813	92.73	ng	0.03
7) Phenol-d6	6.14	99	880763	96.01	ng	0.02
23) Nitrobenzene-d5	7.03	82	448736	57.31	ng	0.00
41) 2,4,6-Tribromophenol	10.27	330	145887	89.96	ng	0.00
44) 2-Fluorobiphenyl	8.83	172	986481	102.45	ng	0.01
78) Terphenyl-d14	12.55	244	652784	73.78	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	5.99	77	26134	6.54	ng	95
32) Benzoic acid	7.54	122	22641	4.62	ng	93
49) Dimethylphthalate	9.23	163	349722	29.05	ng	99
70) Phenanthrene	10.98	178	58529	4.70	ng	96
74) Fluoranthene	12.16	202	116244	8.70	ng	93
77) Pyrene	12.38	202	106986	6.96	ng	96
80) Benzo(a)anthracene	13.57	228	50211	4.15	ng	94
82) Chrysene	13.60	228	55584m	4.72	ng	
83) Bis(2-ethylhexyl)phthalate	13.59	149	79501	8.26	ng	# 95
87) Benzo(b)fluoranthene	14.56	252	56808m	6.38	ng	
88) Benzo(k)fluoranthene	14.57	252	19174m	2.29	ng	
89) Benzo(a)pyrene	14.85	252	33050	3.95	ng	# 86
91) Benzo(a,h,i)perylene	16.38	276	20791	3.25	ng	# 91

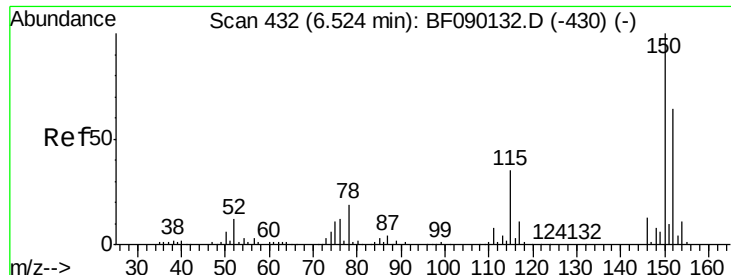
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

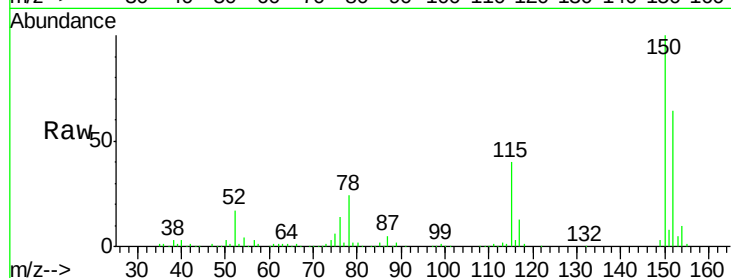
Tot Ion:152 Resp: 121080

Ion Ratio Lower Upper

152 100

150 156.5 128.9 193.3

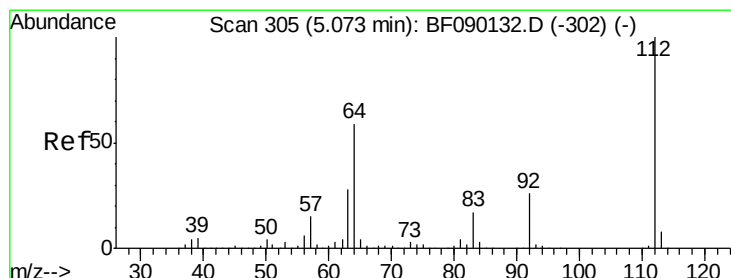
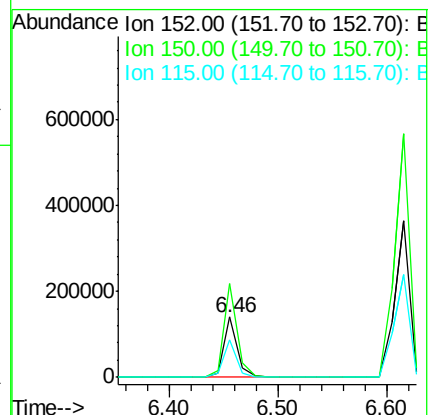
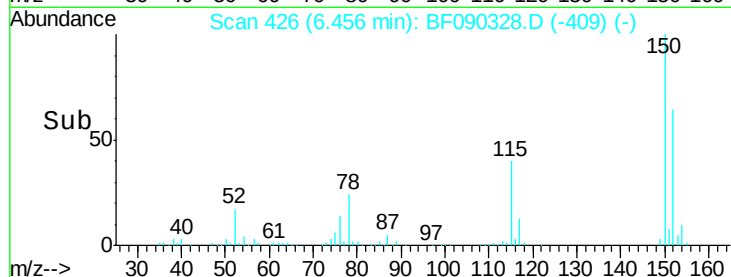
115 62.0 55.5 83.3



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: 92.73 ng

RT: 5.03 min Scan# 301

Delta R.T. 0.03 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

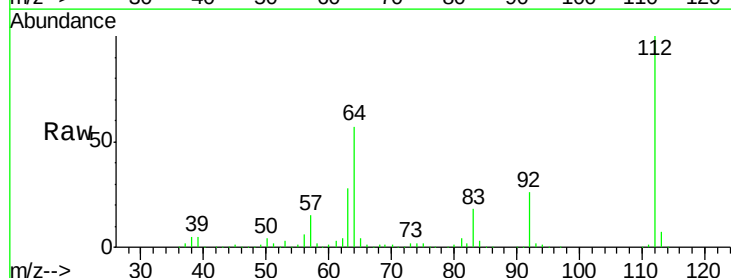
Tgt Ion:112 Resp: 688813

Ion Ratio Lower Upper

112 100

64 56.8 39.8 59.6

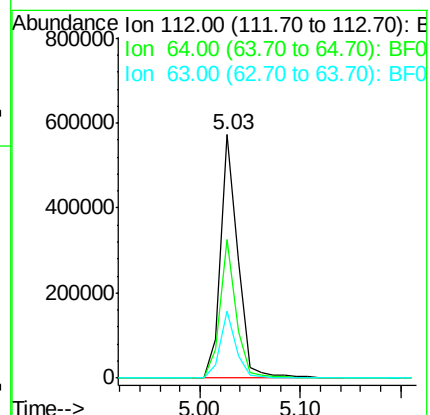
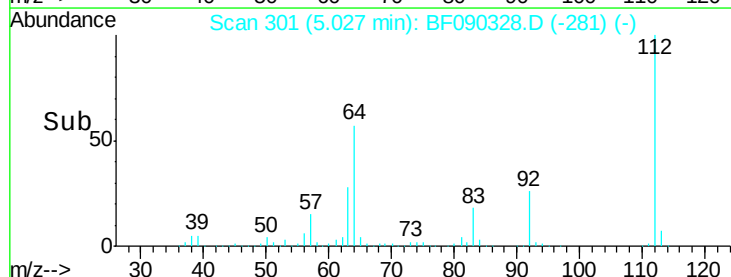
63 27.6 18.9 28.3

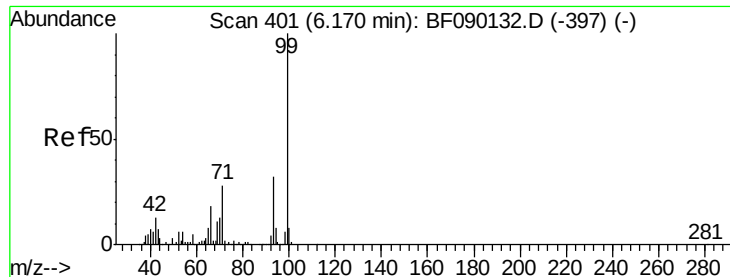


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 96.01 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.02 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

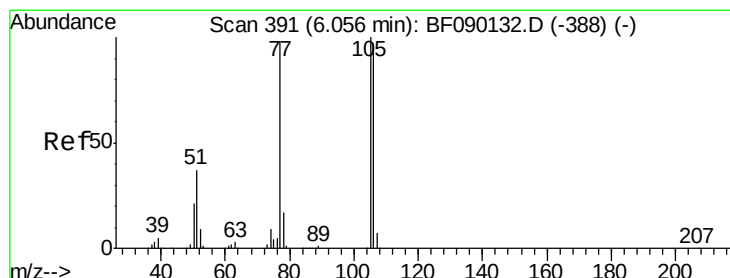
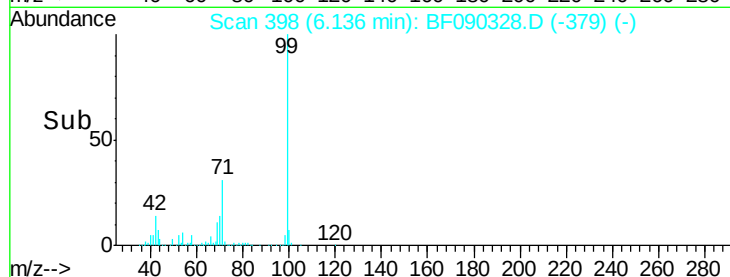
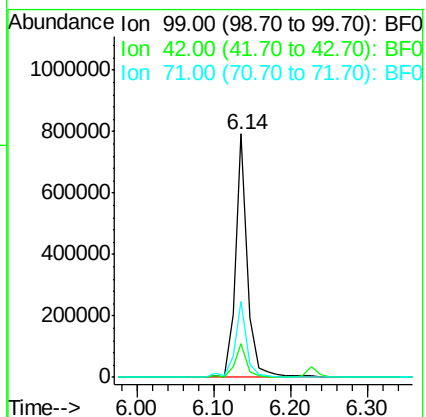
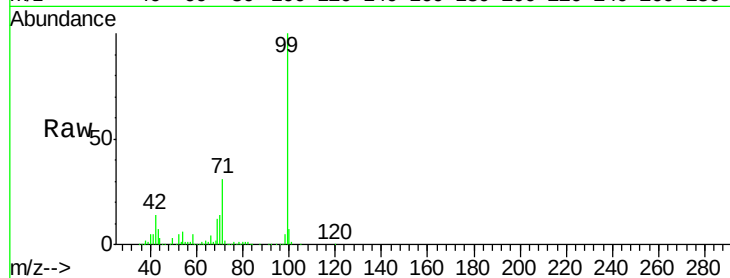
Tot Ion: 99 Resp: 880763

Ion Ratio Lower Upper

99 100

42 14.1 10.6 15.8

71 31.1 23.0 34.6



#9

Benzaldehyde

Concen: 6.54 ng

RT: 5.99 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

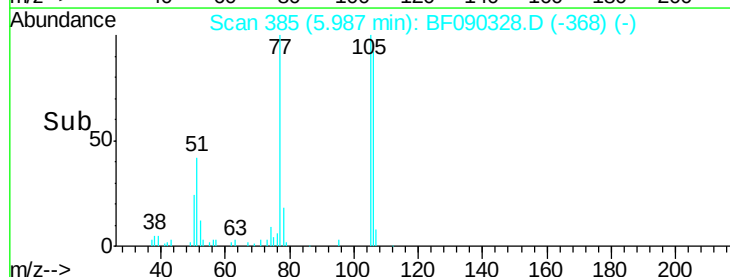
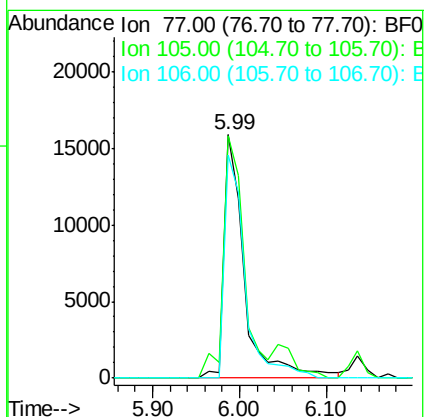
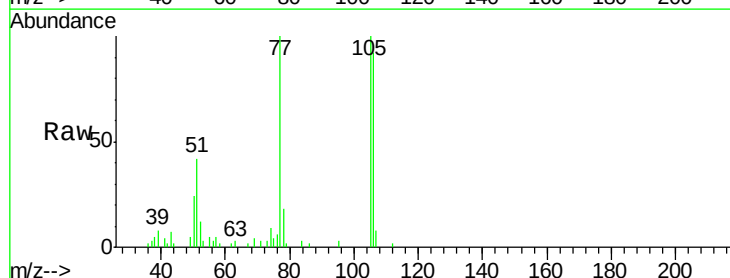
Tgt Ion: 77 Resp: 26134

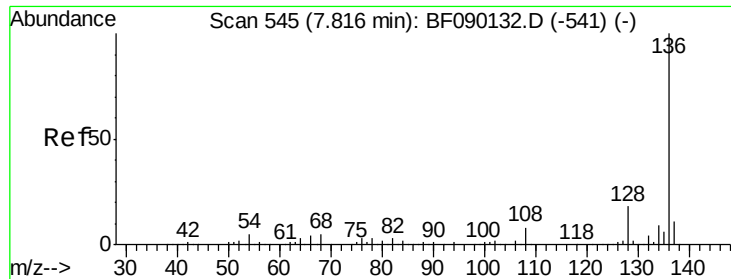
Ion Ratio Lower Upper

77 100

105 99.8 83.0 123.0

106 91.9 78.5 118.5

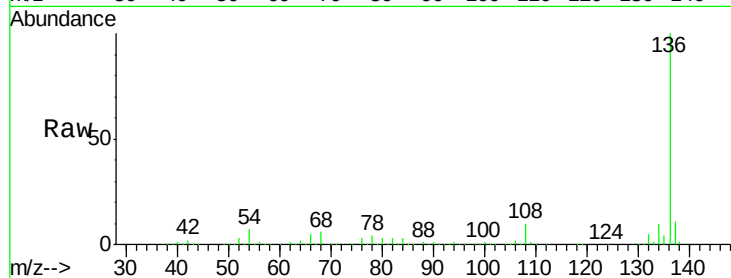




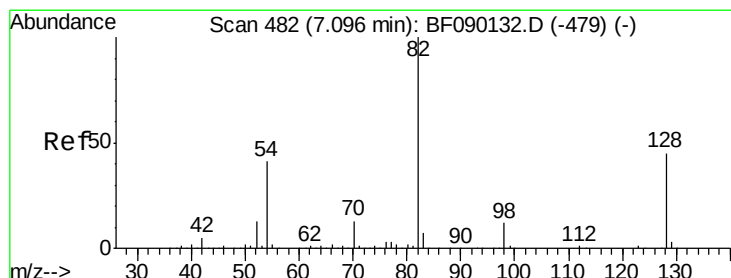
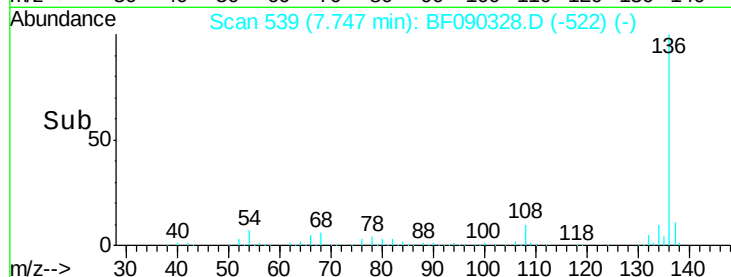
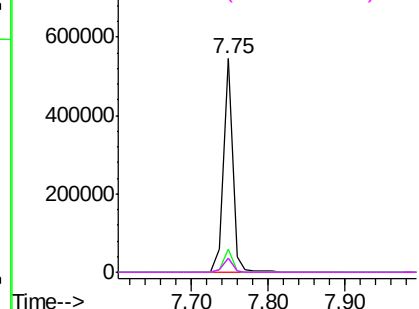
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF090328.D
Acq: 30 Sep 2016 22:38

Instrument :
BNA_F
ClientSampleId :
PA-3

Tot Ion:136	Resp:	453920
Ion	Ratio	Lower Upper
136	100	
137	10.9	9.0 13.4
54	6.8	6.4 9.6
68	6.5	6.3 9.5

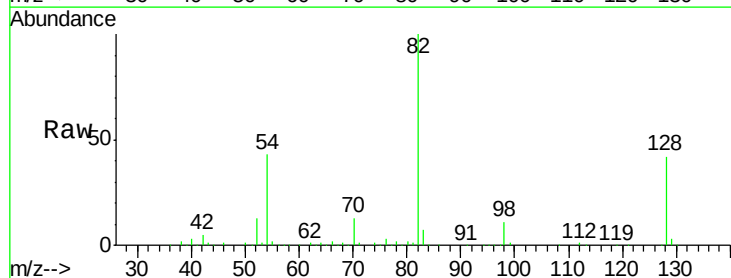


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

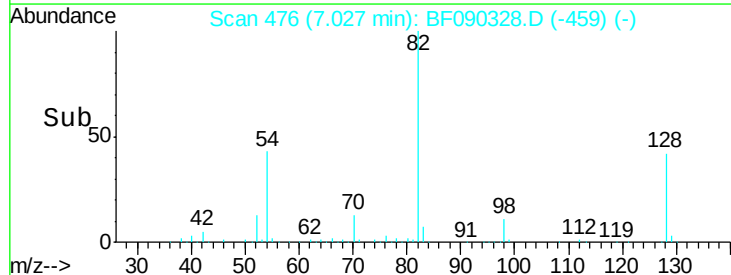
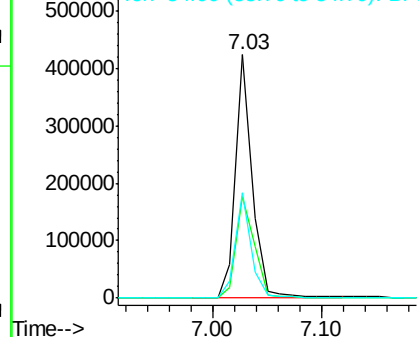


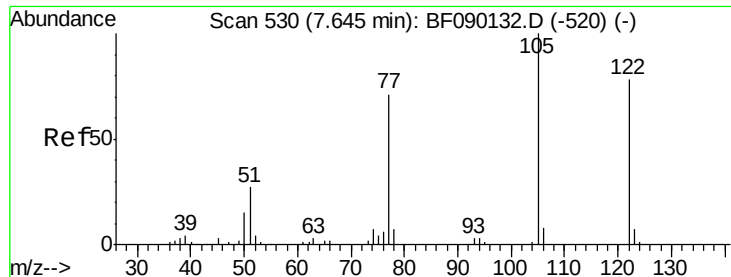
#23
Nitrobenzene-d5
Concen: 57.31 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.00 min
Lab File: BF090328.D
Acq: 30 Sep 2016 22:38

Tgt Ion: 82	Resp:	448736
Ion	Ratio	Lower Upper
82	100	
128	41.6	37.5 56.3
54	43.0	31.9 47.9



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





#32

Benzoic acid

Concen: 4.62 ng

RT: 7.54 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

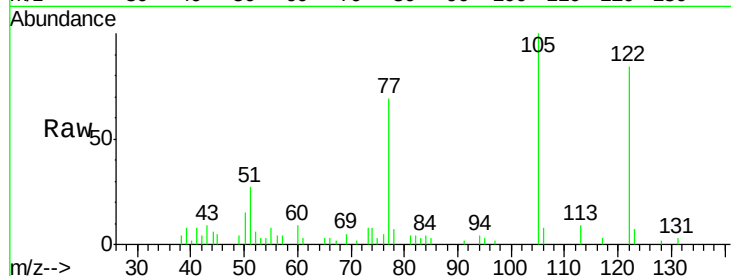
Tot Ion:122 Resp: 22641

Ion Ratio Lower Upper

122 100

105 119.2 105.0 145.0

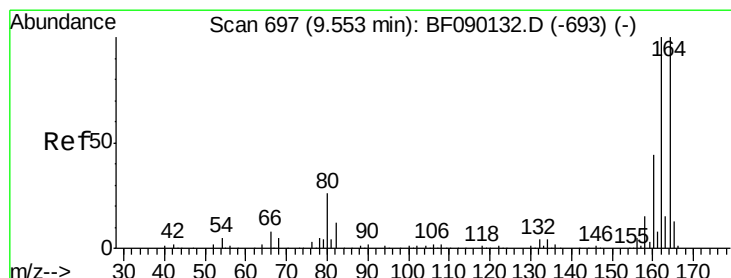
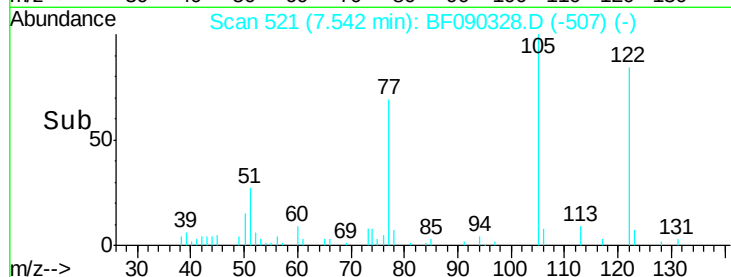
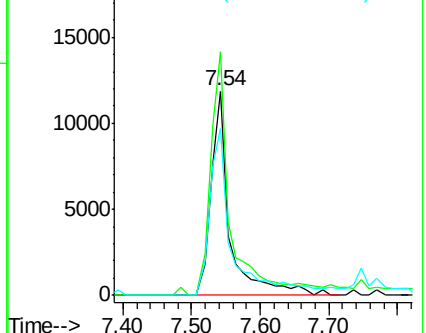
77 81.7 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.48 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

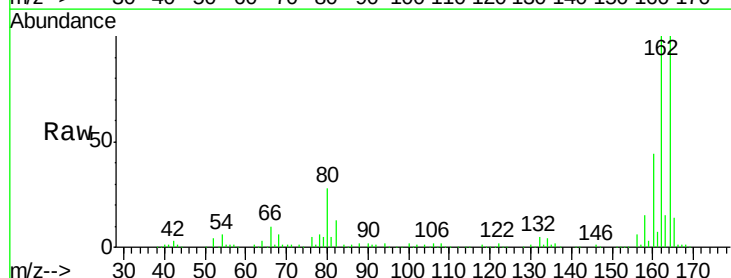
Tgt Ion:164 Resp: 189034

Ion Ratio Lower Upper

164 100

162 100.1 81.4 122.2

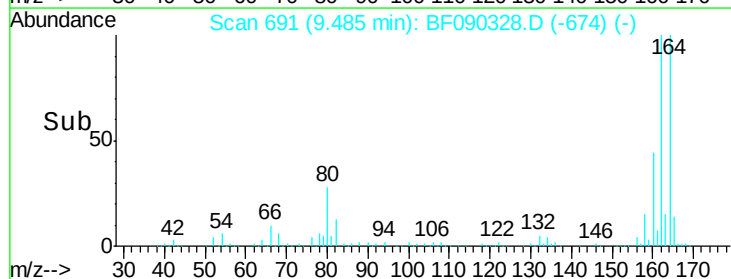
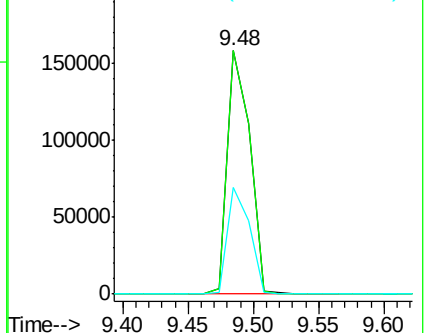
160 43.9 36.6 54.8

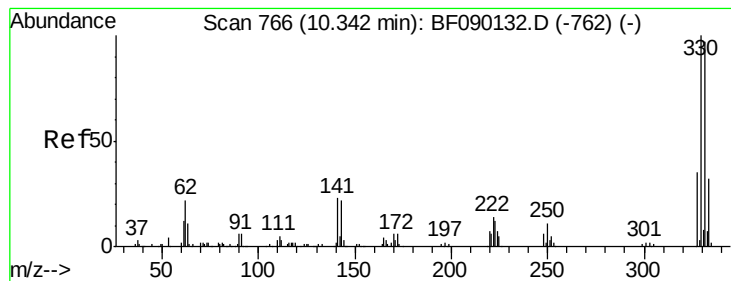


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

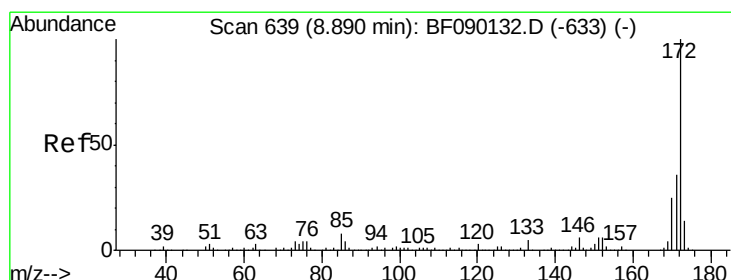
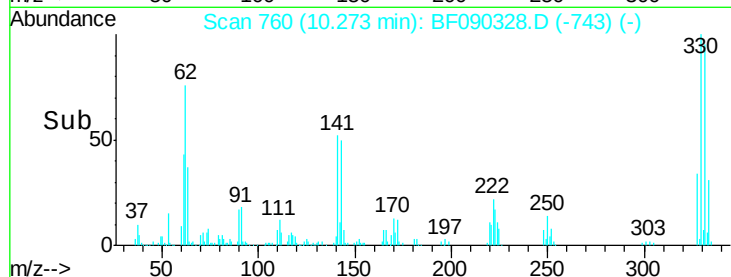
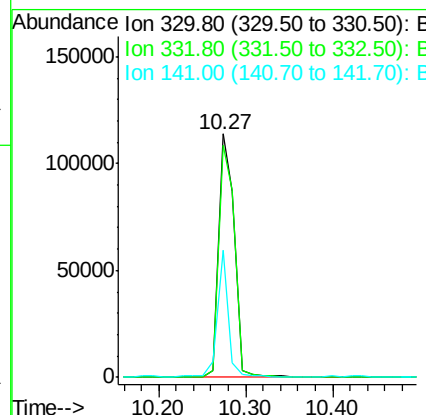
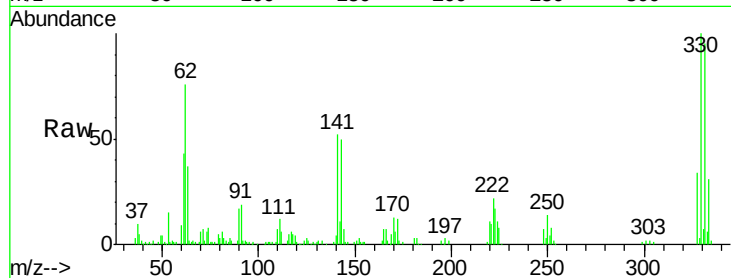




#41
 2,4,6-Tribromophenol
 Concen: 89.96 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: BF090328.D
 Acq: 30 Sep 2016 22:38

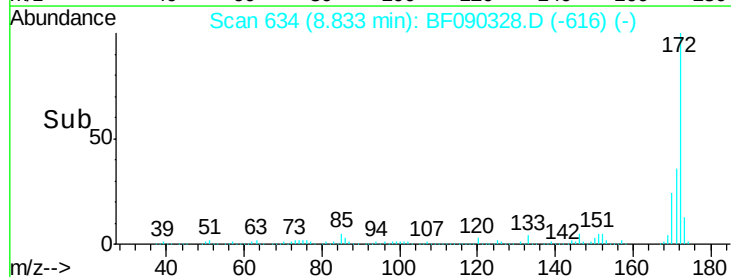
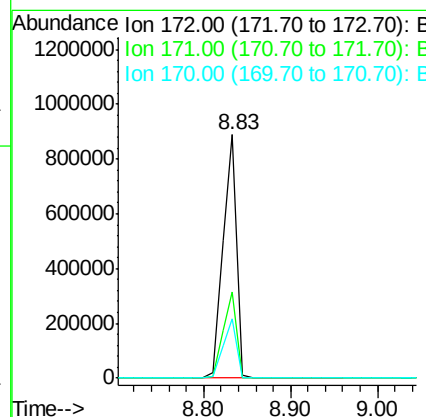
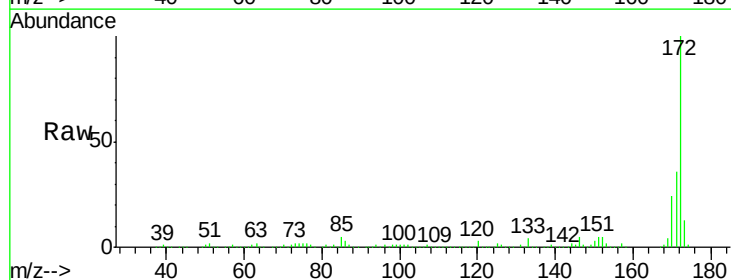
Instrument :
 BNA_F
 ClientSampleId :
 PA-3

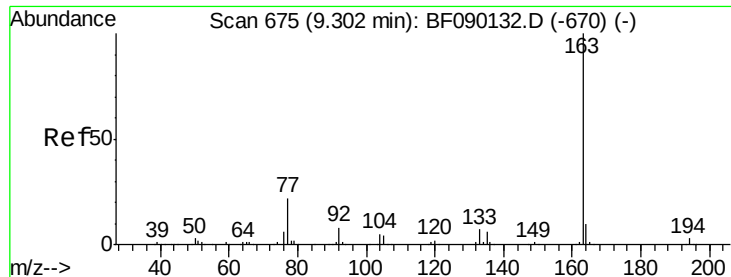
Tot Ion:330 Resp: 145887
 Ion Ratio Lower Upper
 330 100
 332 97.4 78.1 117.1
 141 38.0 23.9 35.9#



#44
 2-Fluorobiphenyl
 Concen: 102.45 ng
 RT: 8.83 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: BF090328.D
 Acq: 30 Sep 2016 22:38

Tgt Ion:172 Resp: 986481
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.2 43.8
 170 24.2 19.8 29.8





#49

Dimethylphthalate

Concen: 29.05 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

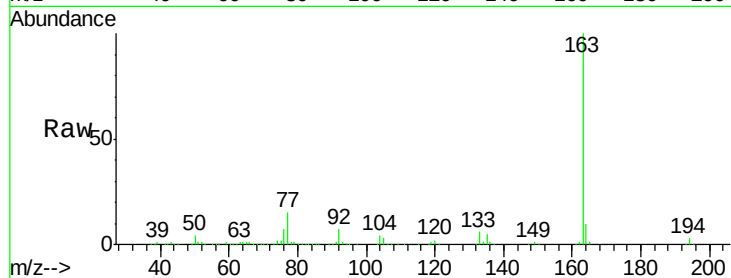
Tot Ion:163 Resp: 349722

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

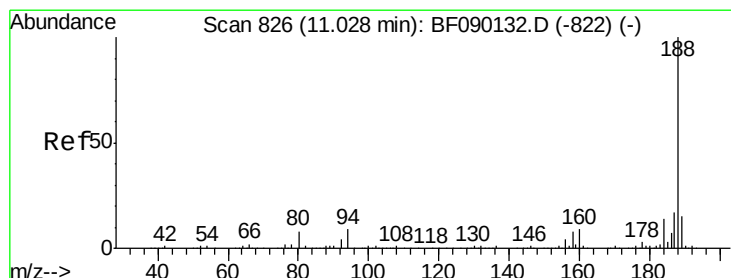
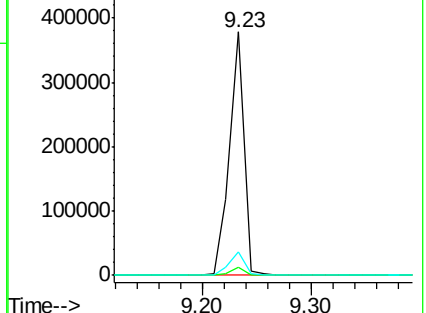
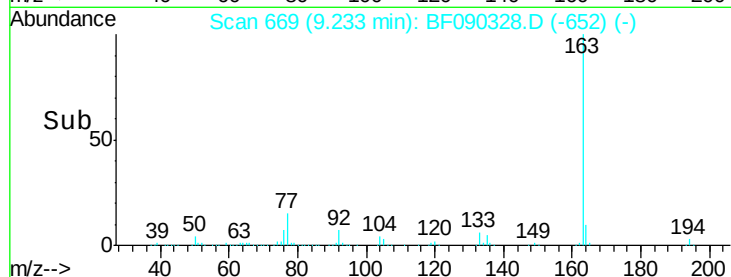
164 9.8 8.1 12.1



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: 10.96 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

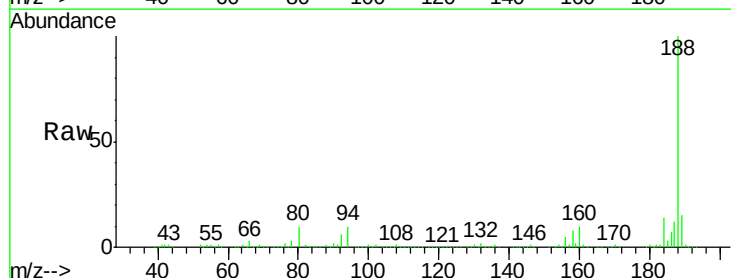
Tgt Ion:188 Resp: 266036

Ion Ratio Lower Upper

188 100

94 10.1 10.5 15.7#

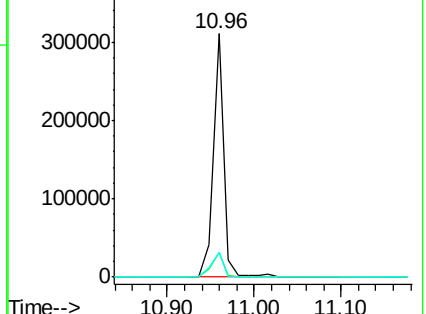
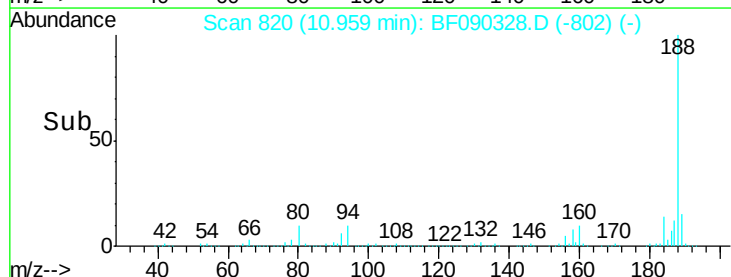
80 10.2 11.2 16.8#

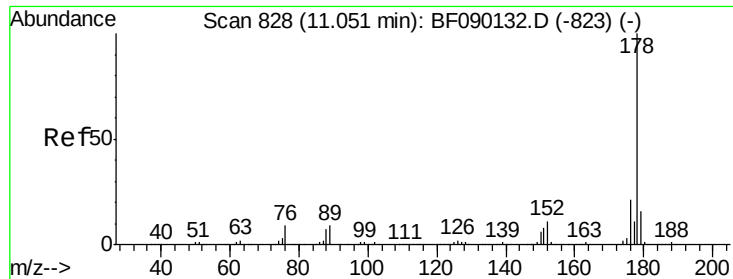


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

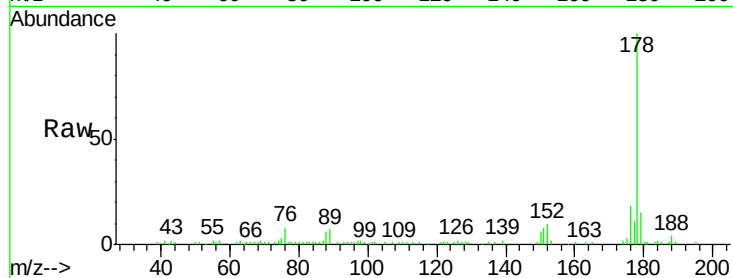




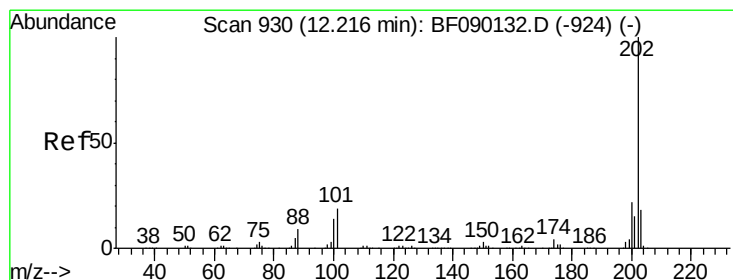
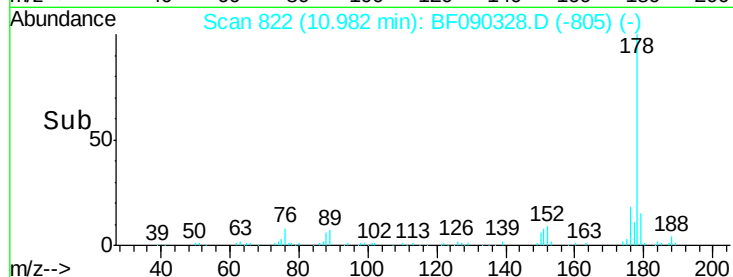
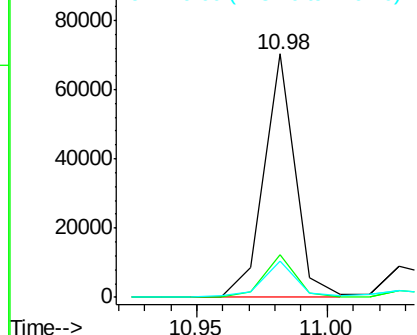
#70
Phenanthrene
Concen: 4.70 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF090328.D
Acq: 30 Sep 2016 22:38

Instrument :
BNA_F
ClientSampleId :
PA-3

Tot Ion:178 Resp: 58529
Ion Ratio Lower Upper
178 100
176 17.7 15.9 23.9
179 15.1 12.9 19.3

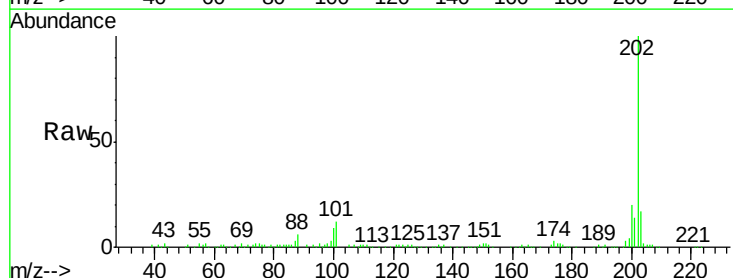


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

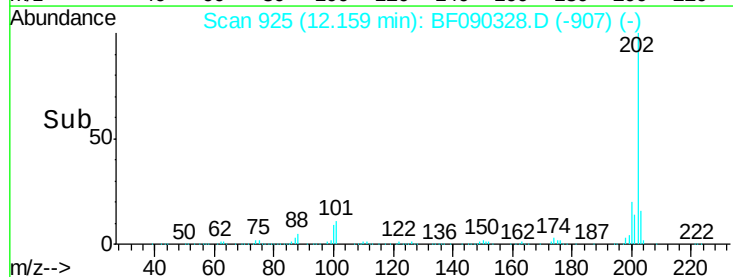
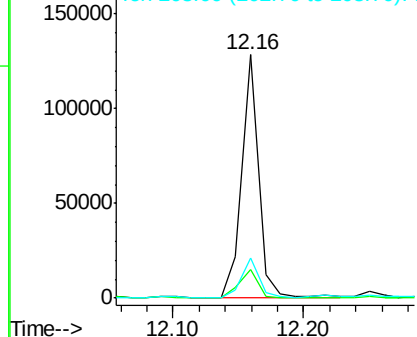


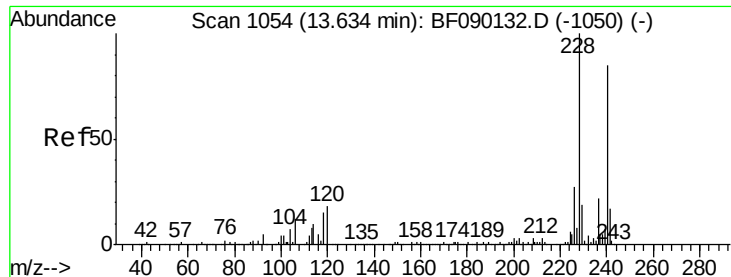
#74
Fluoranthene
Concen: 8.70 ng
RT: 12.16 min Scan# 925
Delta R.T. 0.01 min
Lab File: BF090328.D
Acq: 30 Sep 2016 22:38

Tgt Ion:202 Resp: 116244
Ion Ratio Lower Upper
202 100
101 11.7 0.0 36.1
203 16.5 0.0 38.2



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: 13.58 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

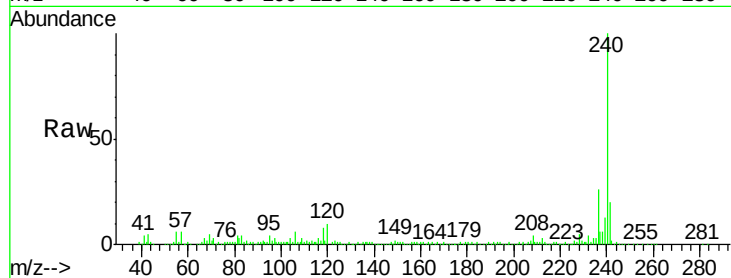
Tot Ion:240 Resp: 224618

Ion Ratio Lower Upper

240 100

120 9.7 10.6 16.0#

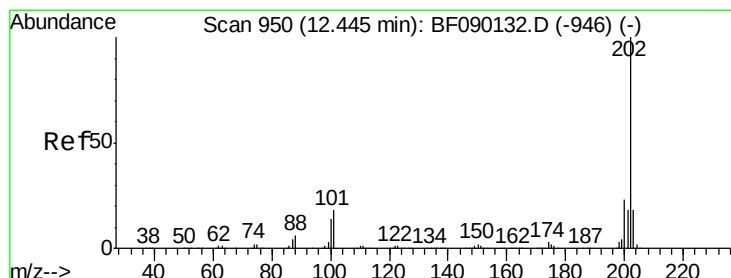
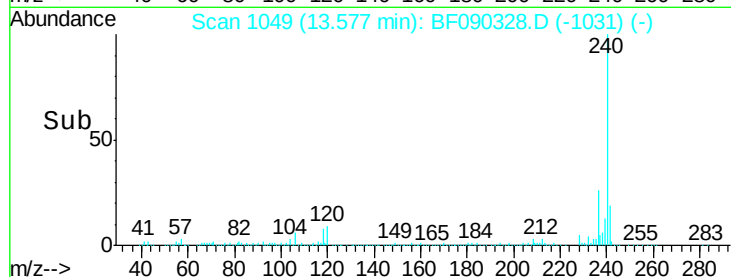
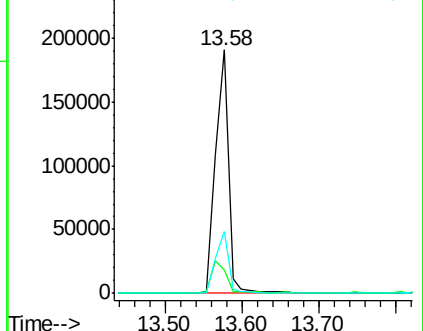
236 25.6 21.6 32.4



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: 6.96 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

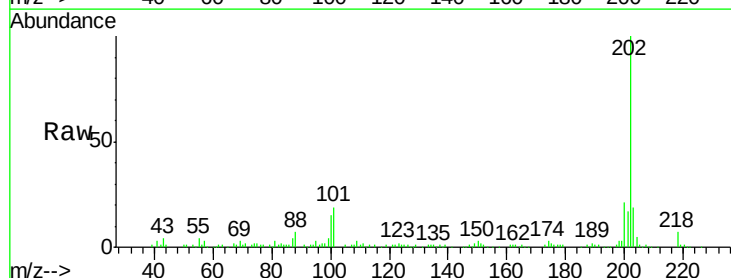
Tgt Ion:202 Resp: 106986

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

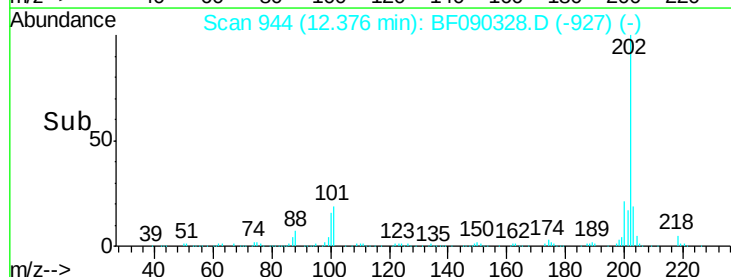
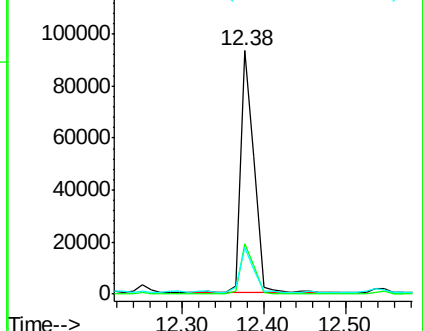
203 19.4 14.2 21.4

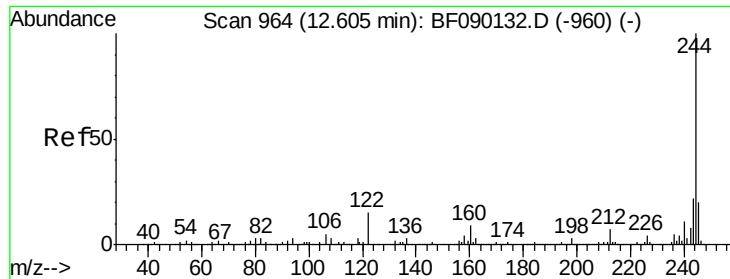


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

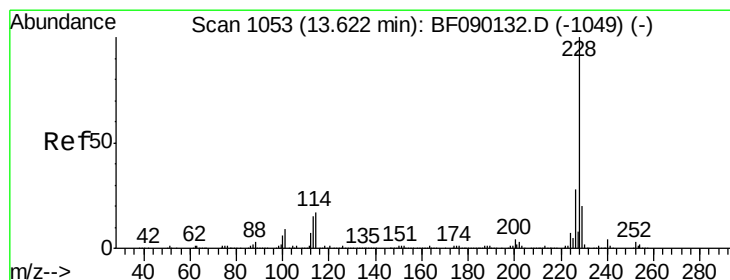
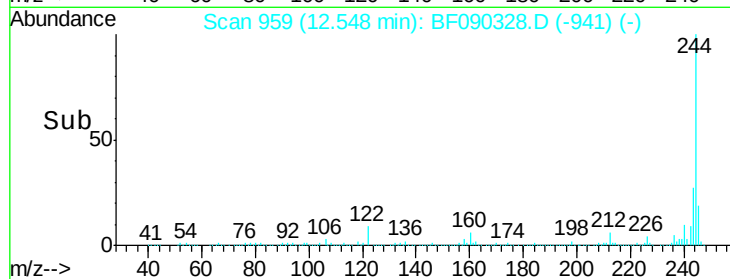
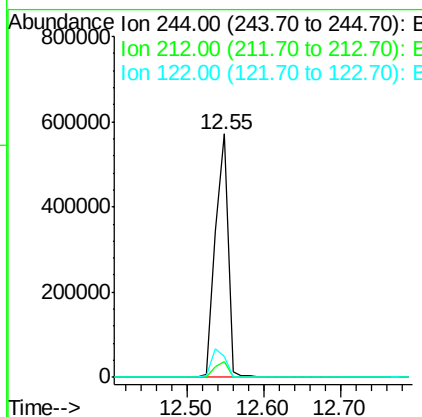
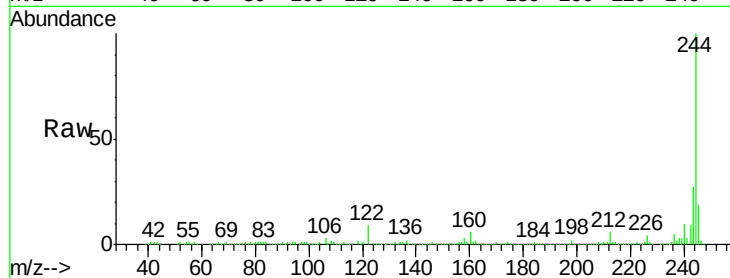




#78
 Terphenyl-d14
 Concen: 73.78 ng
 RT: 12.55 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: BF090328.D
 Acq: 30 Sep 2016 22:38

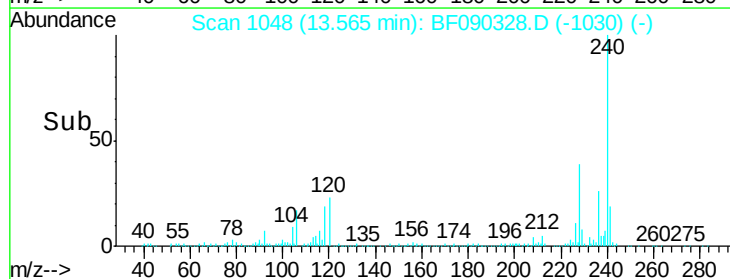
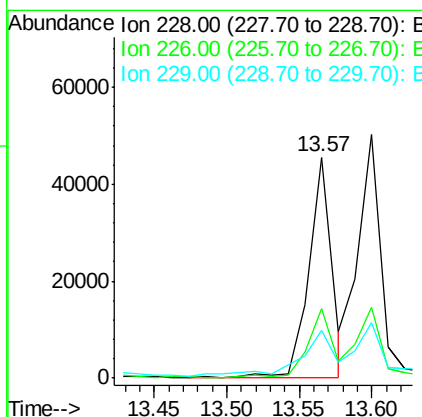
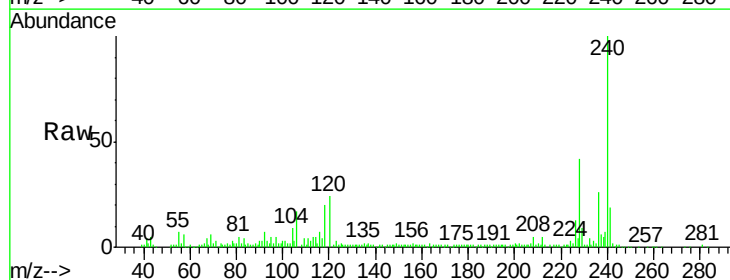
Instrument :
 BNA_F
 ClientSampled :
 PA-3

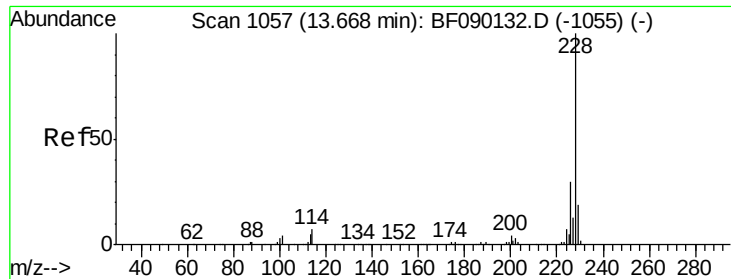
Tot Ion:244 Resp: 652784
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.8 8.8
 122 8.8 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 4.15 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BF090328.D
 Acq: 30 Sep 2016 22:38

Tgt Ion:228 Resp: 50211
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.0 33.0
 229 21.9 16.2 24.2





#82

Chrysene

Concen: 4.72 ng/mL

RT: 13.60 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

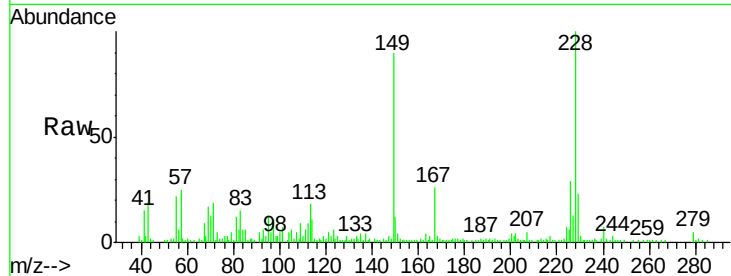
Tot Ion: 228 Resp: 55584

Ion Ratio Lower Upper

228 100

226 29.3 24.6 37.0

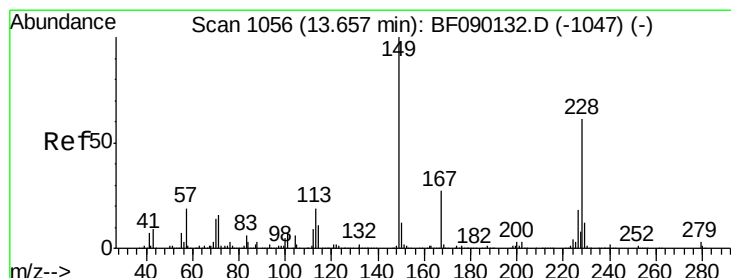
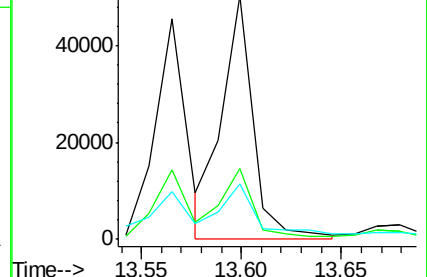
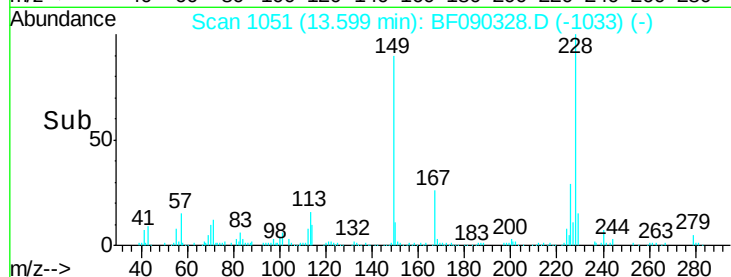
229 22.6 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.26 ng/mL

RT: 13.59 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

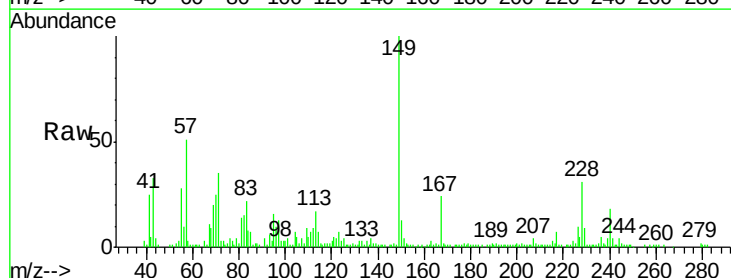
Tgt Ion: 149 Resp: 79501

Ion Ratio Lower Upper

149 100

167 24.1 21.2 31.8

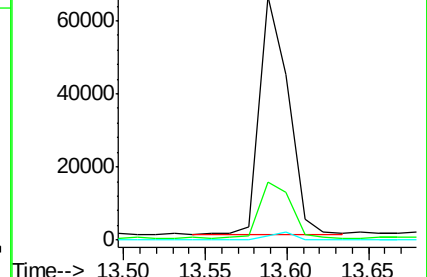
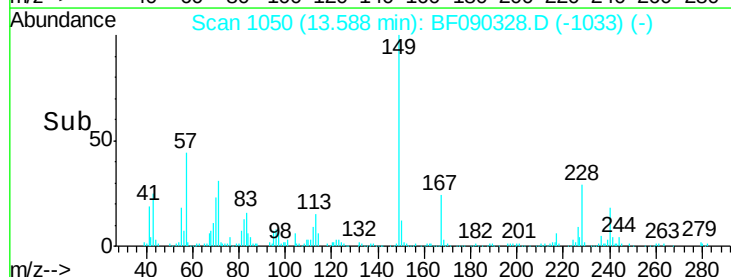
279 1.7 2.2 3.2#

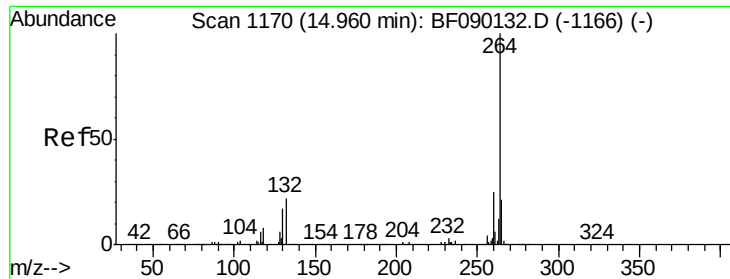


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



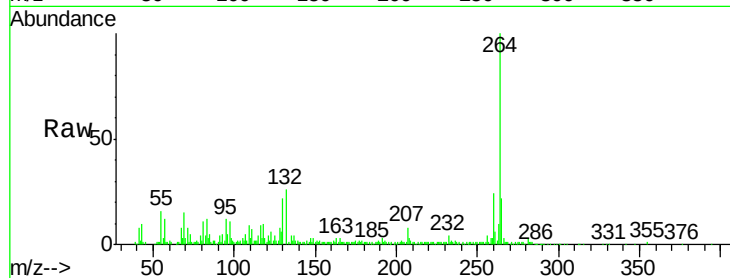


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 1164
Delta R.T. 0.01 min
Lab File: BF090328.D
Acq: 30 Sep 2016 22:38

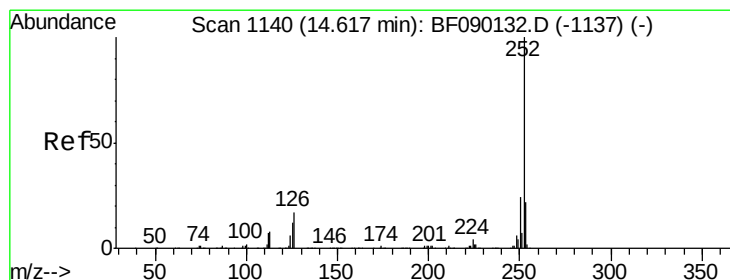
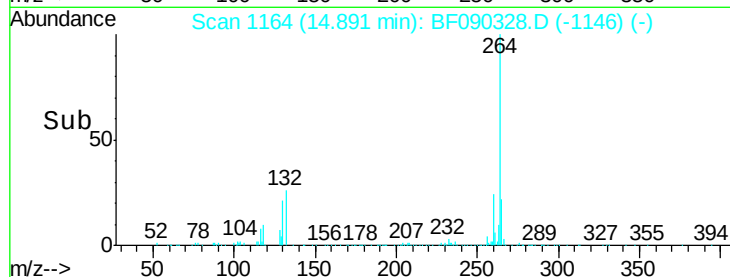
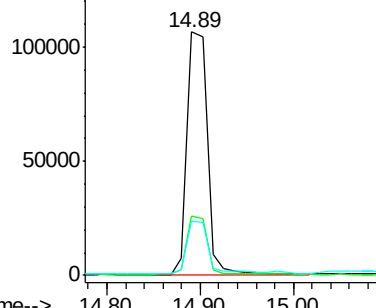
Instrument :
BNA_F
ClientSampled :
PA-3

Tot Ion:264 Resp: 160830

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.1	17.0	25.4



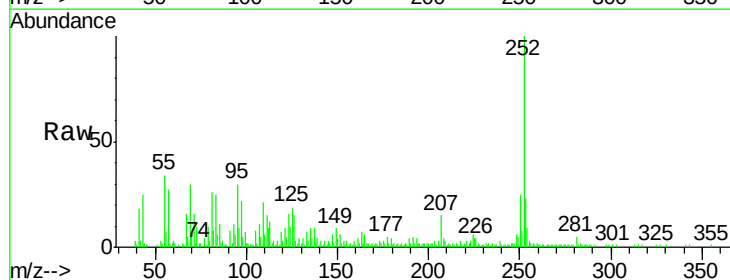
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



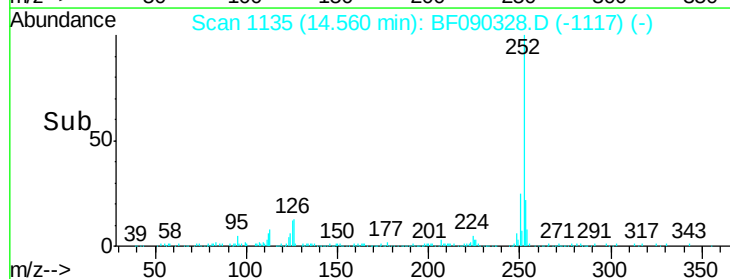
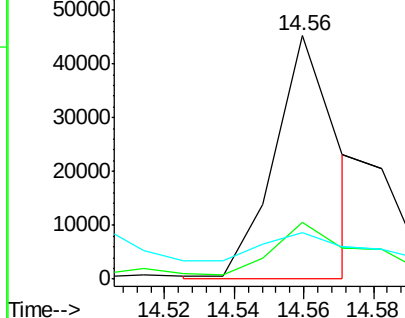
#87
Benzo(b)fluoranthene
Concen: 6.38 ng m
RT: 14.56 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BF090328.D
Acq: 30 Sep 2016 22:38

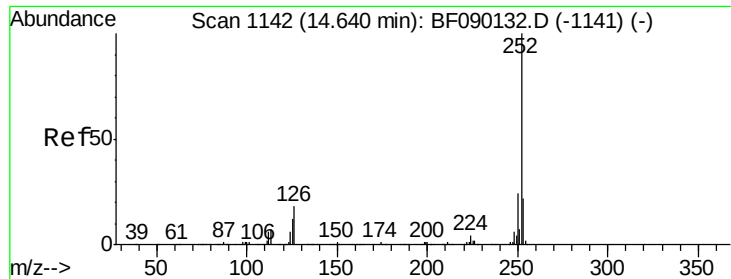
Tgt Ion:252 Resp: 56808

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	19.3	12.7	19.1#



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





#88

Benzo(k)fluoranthene

Concen: 2.29 ng/mL

RT: 14.57 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

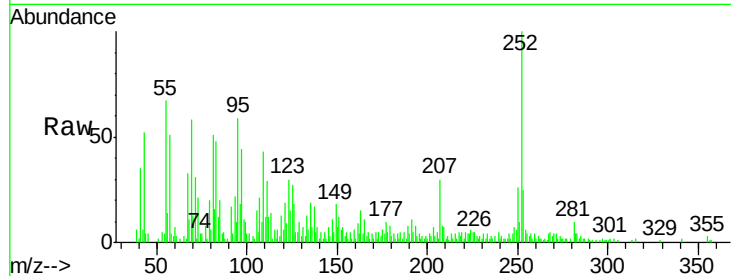
Tot Ion: 252 Resp: 19174

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

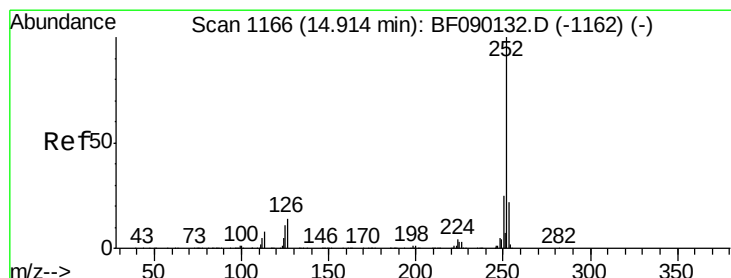
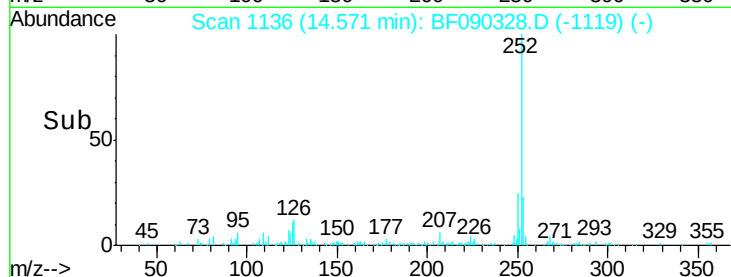
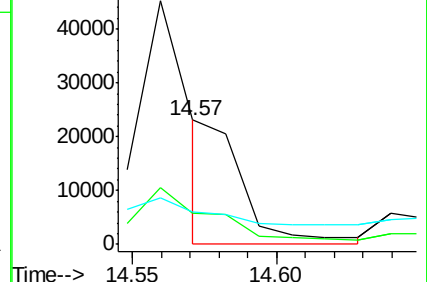
125 26.5 7.8 11.6#



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



#89

Benzo(a)pyrene

Concen: 3.95 ng/mL

RT: 14.85 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

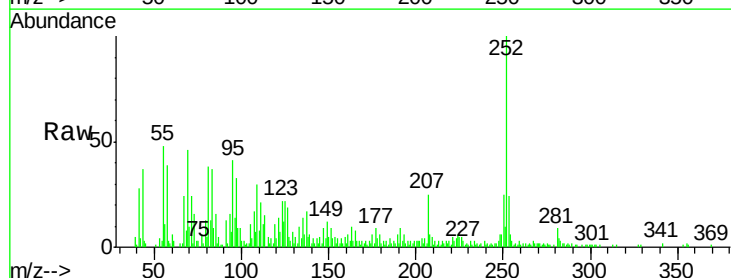
Tgt Ion: 252 Resp: 33050

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

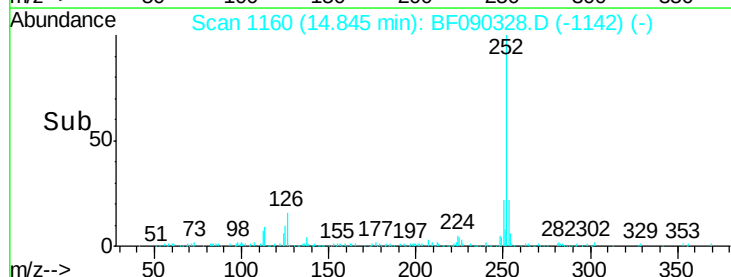
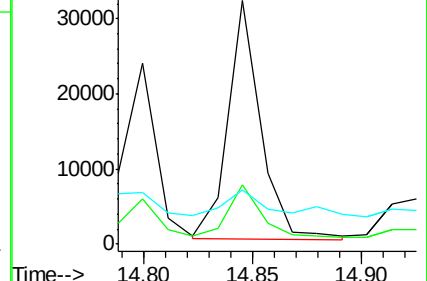
125 22.4 7.7 11.5#

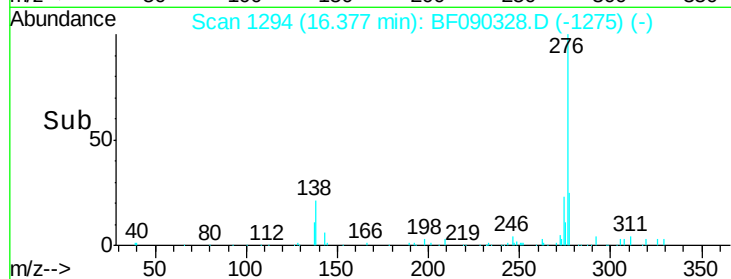
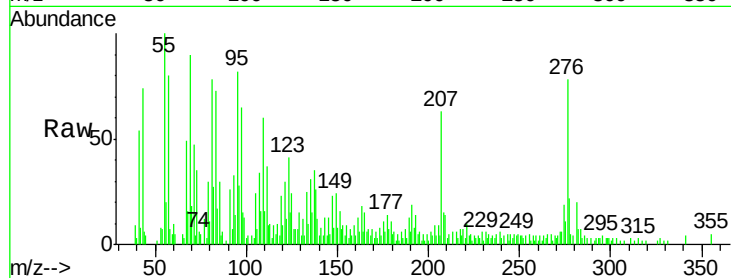
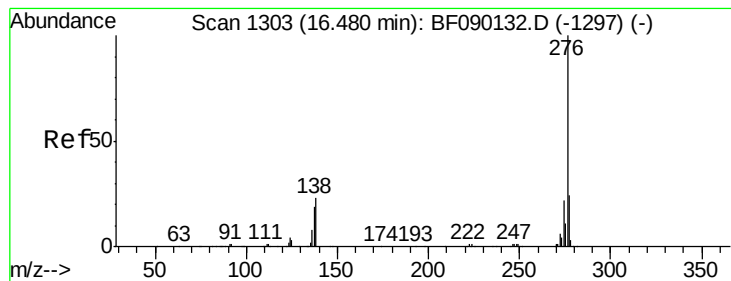


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.25 ng

RT: 16.38 min Scan# 1294

Delta R.T. 0.02 min

Lab File: BF090328.D

Acq: 30 Sep 2016 22:38

Instrument :

BNA_F

ClientSampleId :

PA-3

Tot Ion:276 Resp: 20791

Ion Ratio Lower Upper

276 100

277 28.4 18.9 28.3#

138 33.2 23.3 34.9

