

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093016\
 Data File : BF090327.D
 Acq On : 30 Sep 2016 22:11
 Operator : UM/SJ
 Sample : H5025-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-2

Quant Time: Oct 01 00:01:53 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

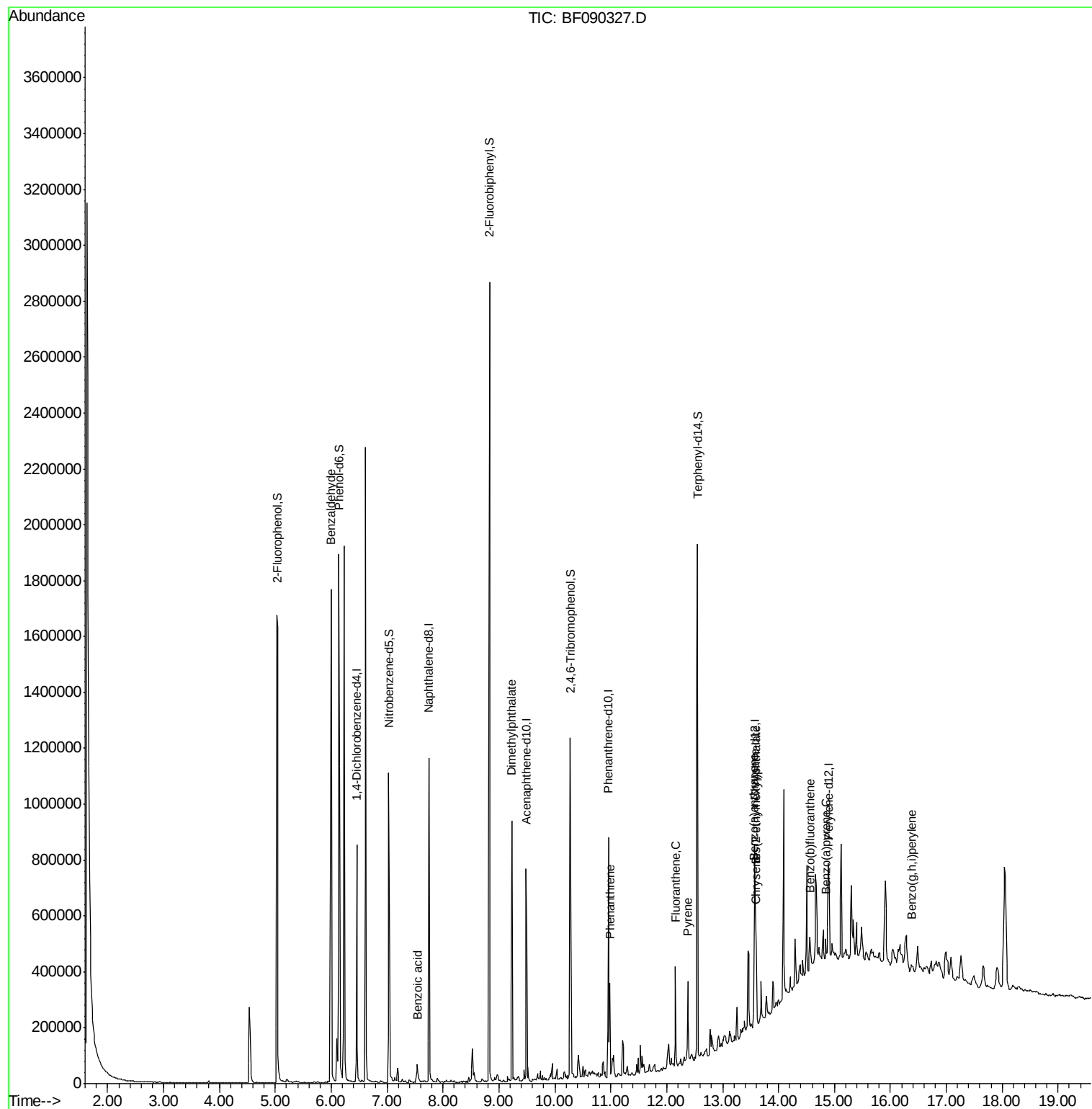
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	128272	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	493677	20.00	ng	0.00
38) Acenaphthene-d10	9.48	164	220142	20.00	ng	0.00
63) Phenanthrene-d10	10.96	188	293890	20.00	ng	0.01
75) Chrysene-d12	13.58	240	253470	20.00	ng	0.01
86) Perylene-d12	14.90	264	182419	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	828062	105.22	ng	0.05
7) Phenol-d6	6.14	99	1036485	106.65	ng	0.02
23) Nitrobenzene-d5	7.03	82	507415	59.58	ng	0.00
41) 2,4,6-Tribromophenol	10.27	330	174706	92.50	ng	0.00
44) 2-Fluorobiphenyl	8.83	172	1103358	98.39	ng	0.01
78) Terphenyl-d14	12.55	244	722118	72.33	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.00	77	420264	99.23	ng	96
32) Benzoic acid	7.54	122	24725	4.64	ng	92
49) Dimethylphthalate	9.23	163	428496	30.56	ng	100
70) Phenanthrene	10.98	178	116796	8.50	ng	98
74) Fluoranthene	12.16	202	145426	9.86	ng	93
77) Pyrene	12.38	202	130266	7.51	ng	# 94
80) Benzo(a)anthracene	13.57	228	52329	3.84	ng	97
82) Chrysene	13.60	228	54776m	4.12	ng	
83) Bis(2-ethylhexyl)phthalate	13.59	149	94282	8.68	ng	# 97
87) Benzo(b)fluoranthene	14.56	252	55405m	5.48	ng	
89) Benzo(a)pyrene	14.85	252	33829	3.56	ng	# 83
91) Benzo(a,h,i)perylene	16.38	276	20190	2.78	ng	93

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

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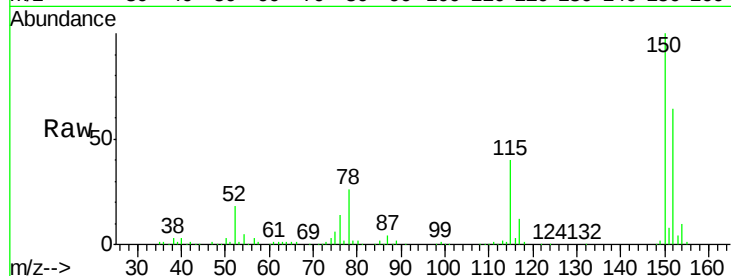


#1

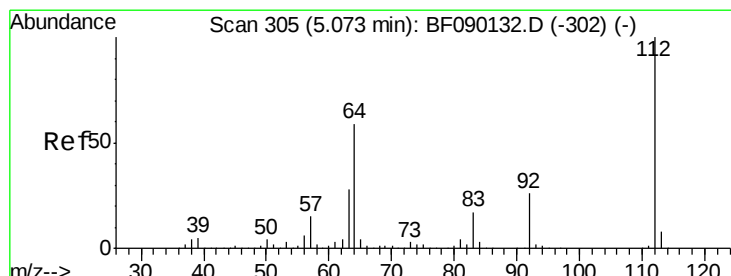
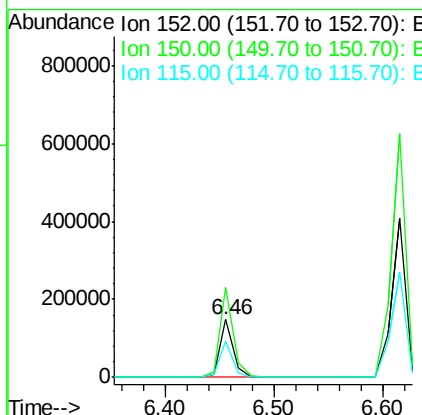
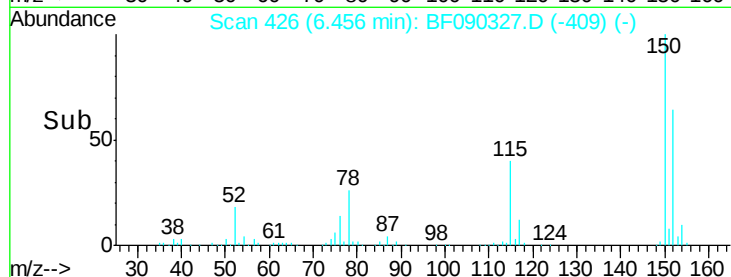
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Instrument :
BNA_F
ClientSampled :
PA-2

Tot Ion:152 Resp: 128272
Ion Ratio Lower Upper
152 100
150 155.3 128.9 193.3
115 62.7 55.5 83.3



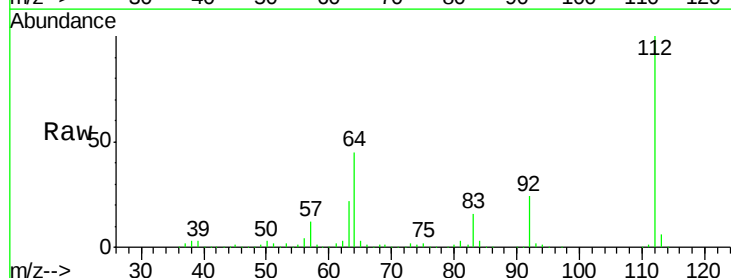
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



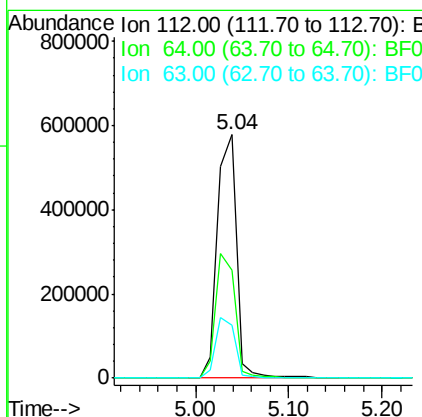
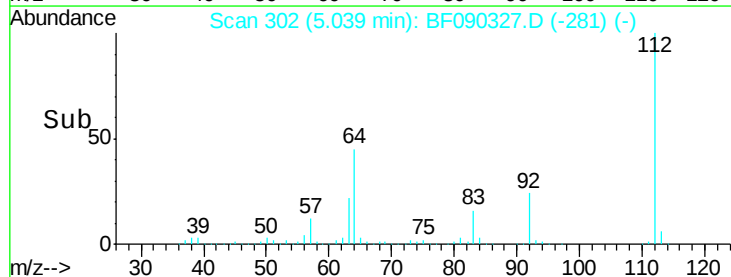
#5

2-Fluorophenol
Concen: 105.22 ng
RT: 5.04 min Scan# 302
Delta R.T. 0.05 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion:112 Resp: 828062
Ion Ratio Lower Upper
112 100
64 44.6 39.8 59.6
63 21.9 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: 106.65 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.02 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Instrument :

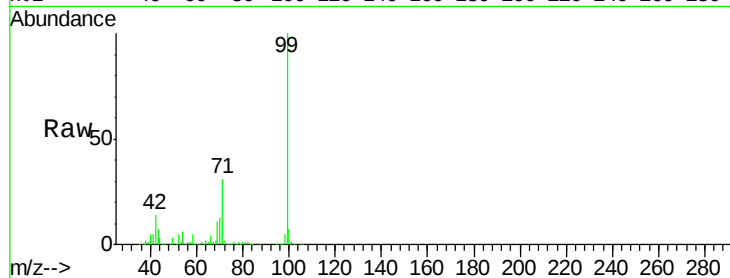
BNA_F

ClientSampleId :

PA-2

Tot Ion: 99 Resp: 1036485

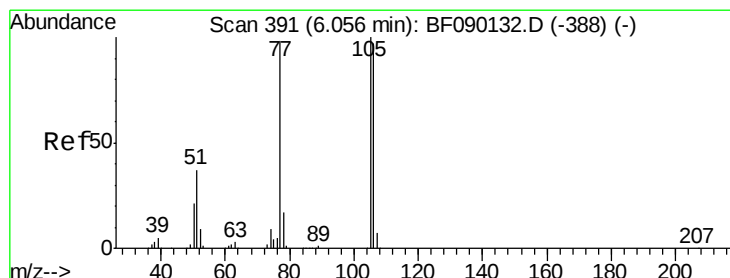
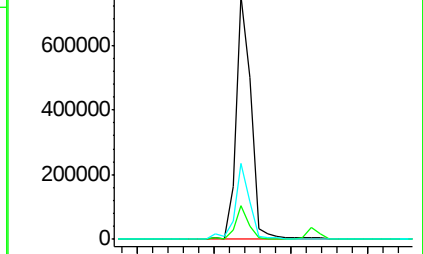
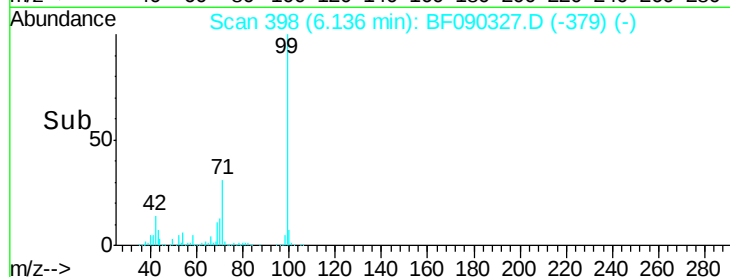
Ion	Ratio	Lower	Upper
99	100		
42	14.1	10.6	15.8
71	31.3	23.0	34.6



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



#9

Benzaldehyde

Concen: 99.23 ng

RT: 6.00 min Scan# 386

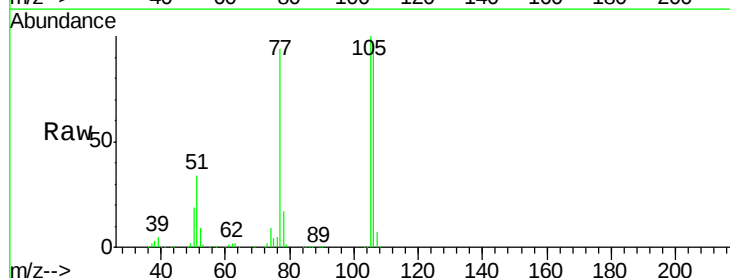
Delta R.T. 0.01 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Tgt Ion: 77 Resp: 420264

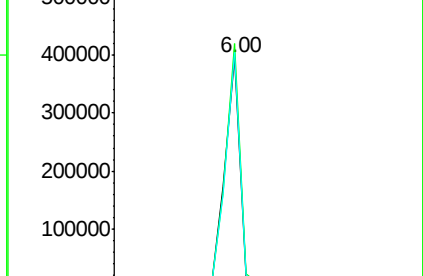
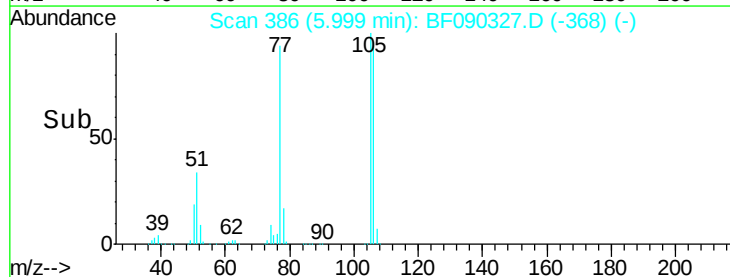
Ion	Ratio	Lower	Upper
77	100		
105	106.4	83.0	123.0
106	102.2	78.5	118.5

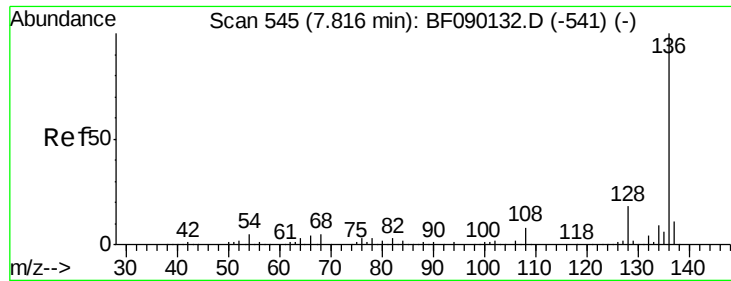


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

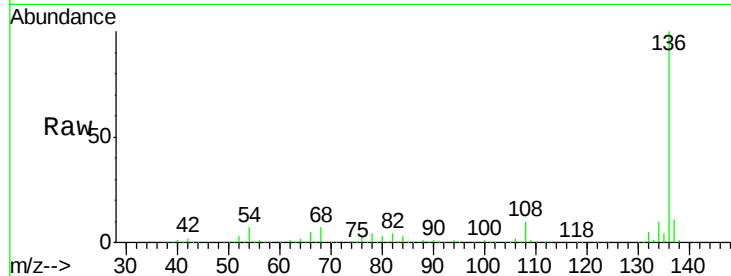




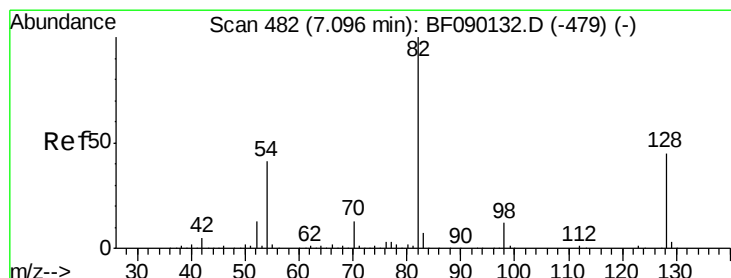
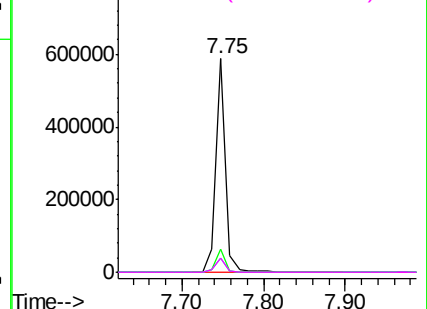
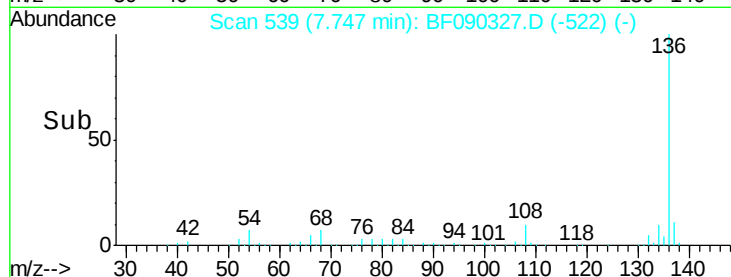
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.00 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
PA-2

Tot Ion:136	Resp:	493677	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	9.0	13.4	
54 6.9	6.4	9.6	
68 6.5	6.3	9.5	

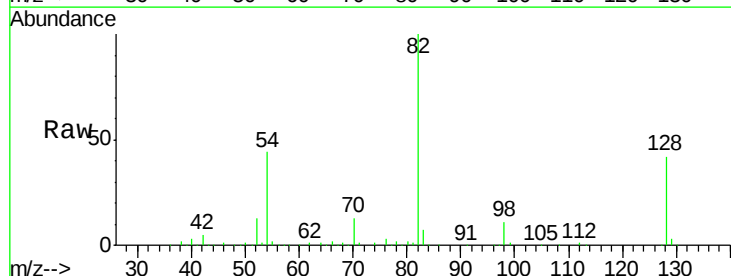


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

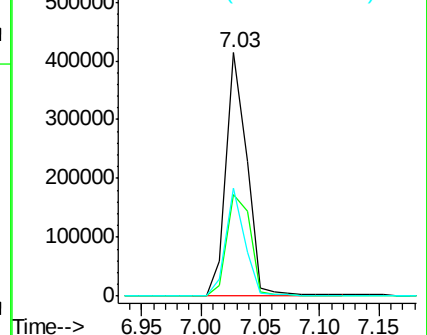
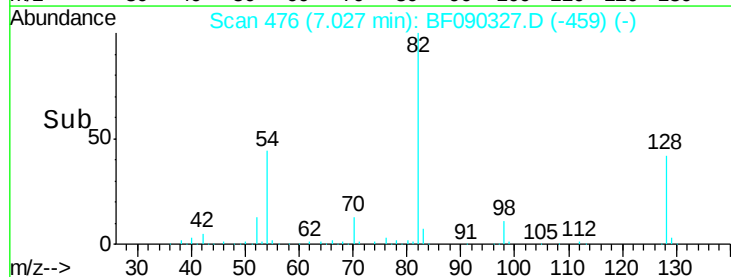


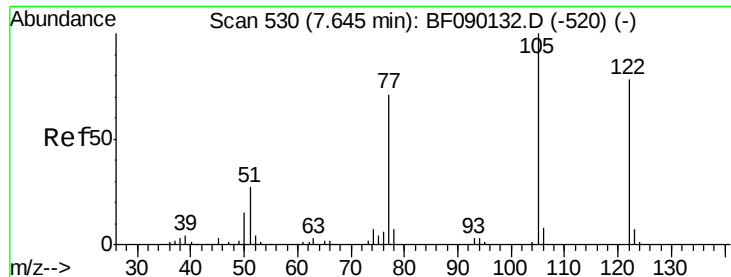
#23
Nitrobenzene-d5
Concen: 59.58 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.00 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt	Ion: 82	Resp:	507415
Ion	Ratio	Lower	Upper
82	100		
128	41.7	37.5	56.3
54	44.3	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: 4.64 ng

RT: 7.54 min Scan# 521

Delta R.T. -0.03 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

PA-2

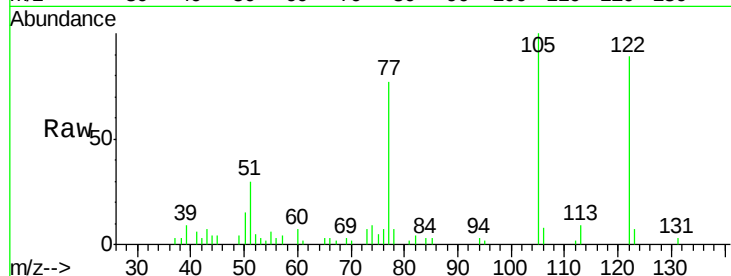
Tot Ion:122 Resp: 24725

Ion Ratio Lower Upper

122 100

105 112.8 105.0 145.0

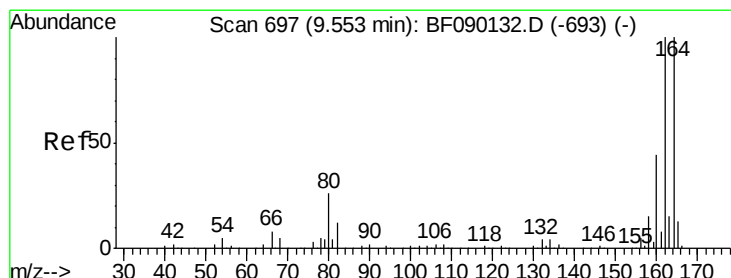
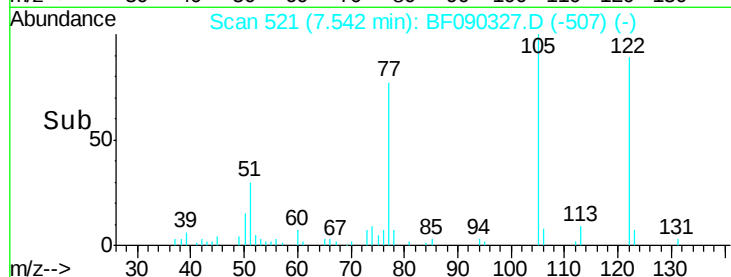
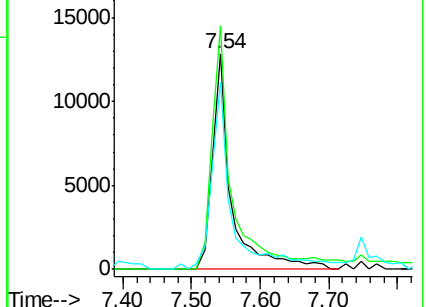
77 86.8 70.4 110.4



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: BF090327.D

Acq: 30 Sep 2016 22:11

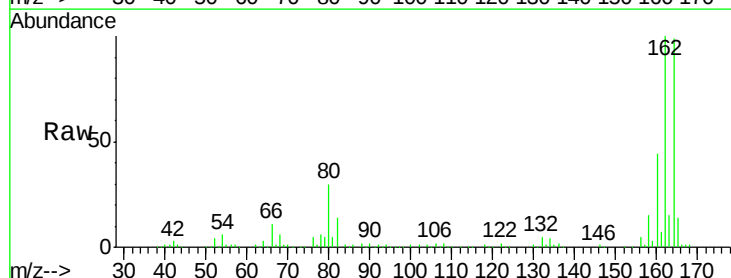
Tgt Ion:164 Resp: 220142

Ion Ratio Lower Upper

164 100

162 100.8 81.4 122.2

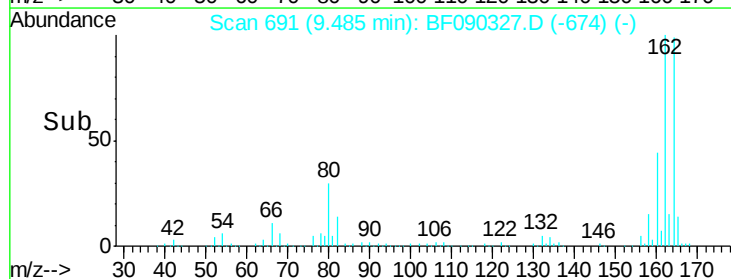
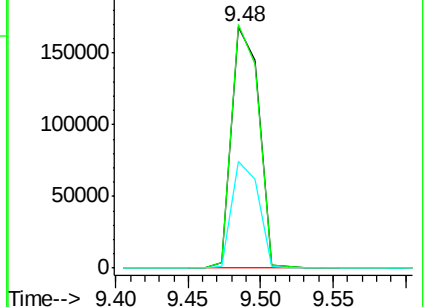
160 44.1 36.6 54.8

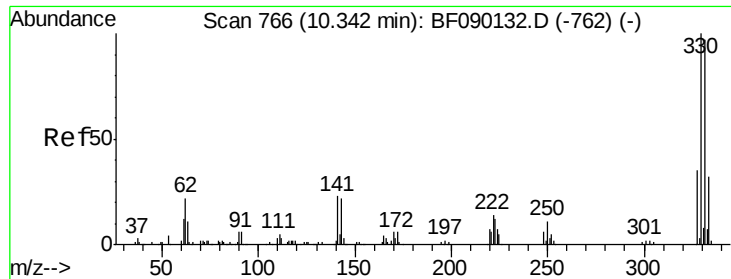


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

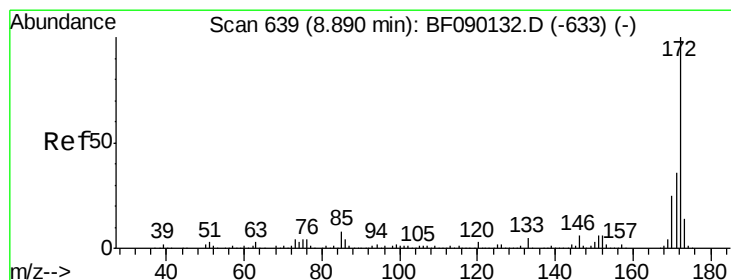
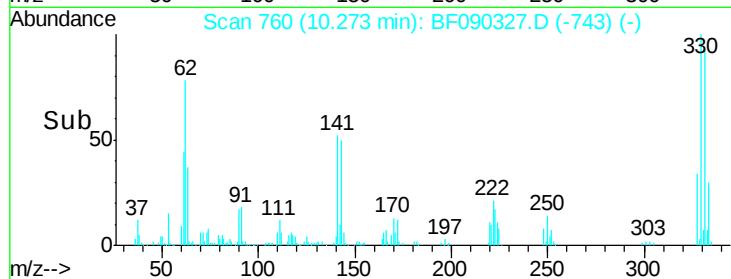
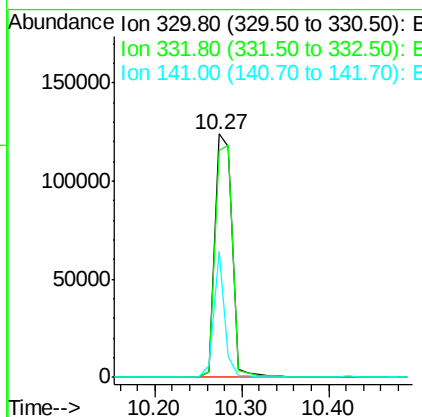
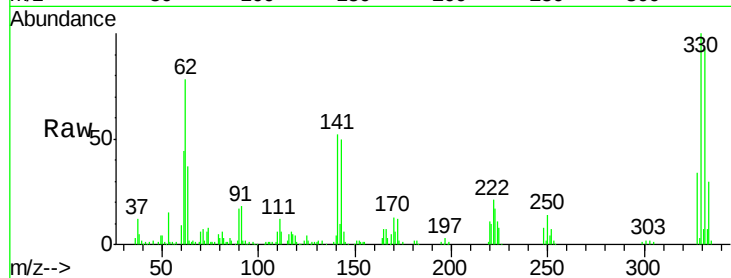




#41
 2,4,6-Tribromophenol
 Concen: 92.50 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

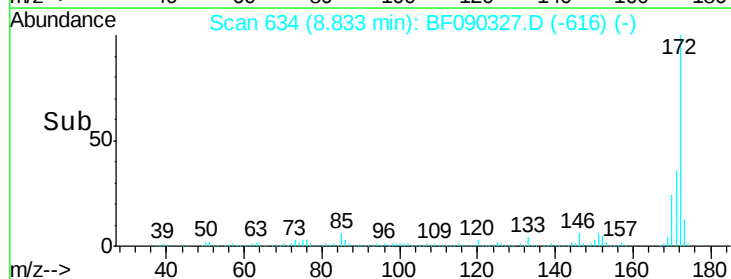
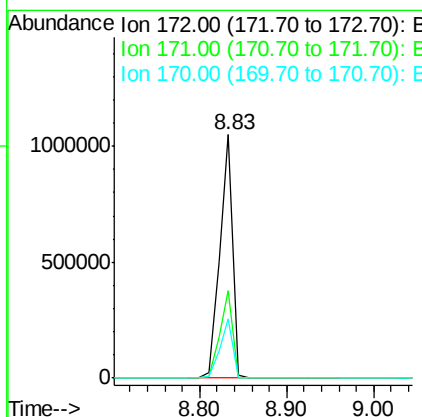
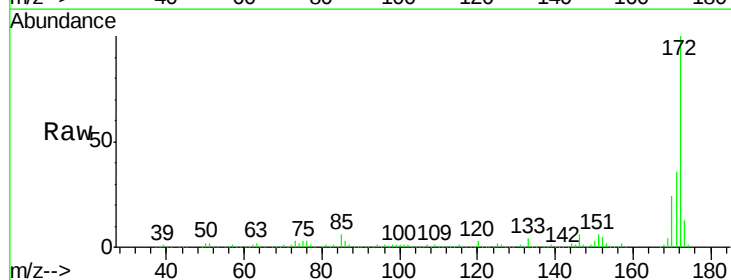
Instrument :
 BNA_F
 ClientSampleId :
 PA-2

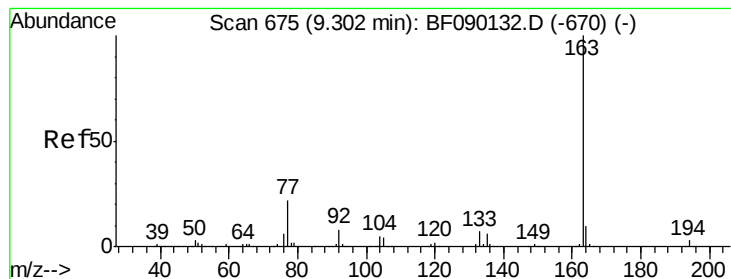
Tot Ion	330	Resp	174706
Ion Ratio	100		
Lower		78.1	
Upper		117.1	
332	96.5		
141	33.5		
		23.9	
		35.9	



#44
 2-Fluorobiphenyl
 Concen: 98.39 ng
 RT: 8.83 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion	172	Resp	1103358
Ion Ratio	100		
Lower		29.2	
Upper		43.8	
171	35.9		
170	24.1		
		19.8	
		29.8	





#49

Dimethylphthalate

Concen: 30.56 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.00 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

PA-2

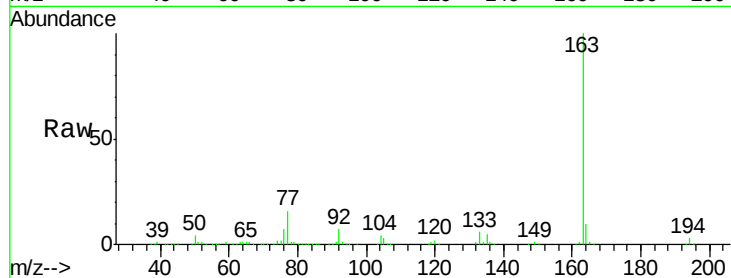
Tot Ion:163 Resp: 428496

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

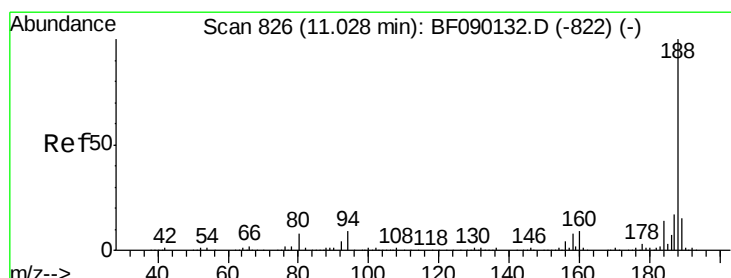
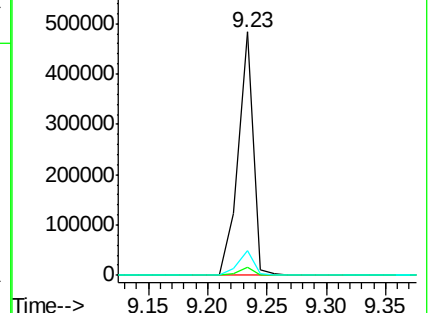
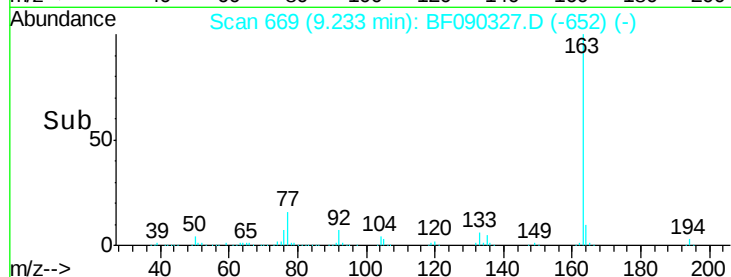
164 10.0 8.1 12.1



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: BF090327.D

Acq: 30 Sep 2016 22:11

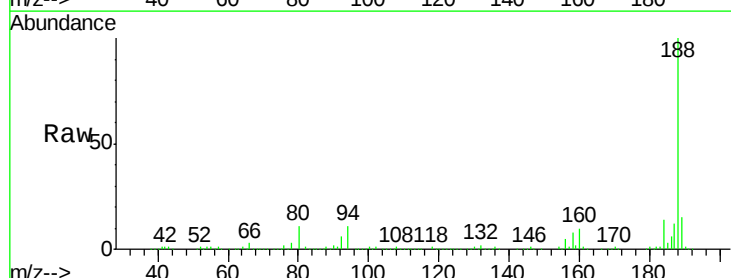
Tgt Ion:188 Resp: 293890

Ion Ratio Lower Upper

188 100

94 11.0 10.5 15.7

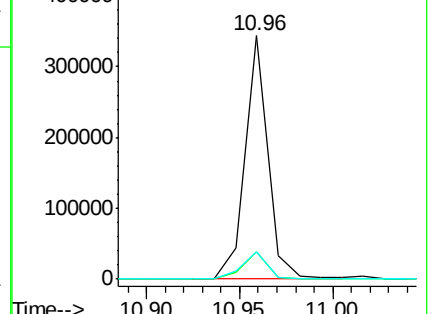
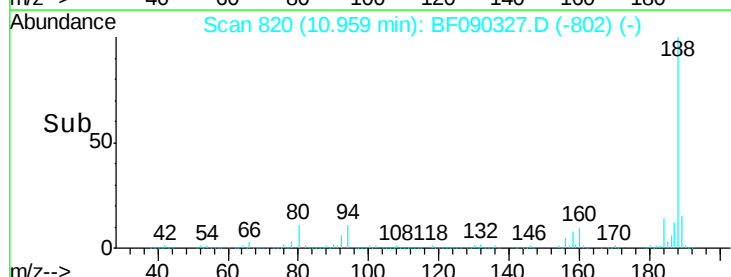
80 11.3 11.2 16.8

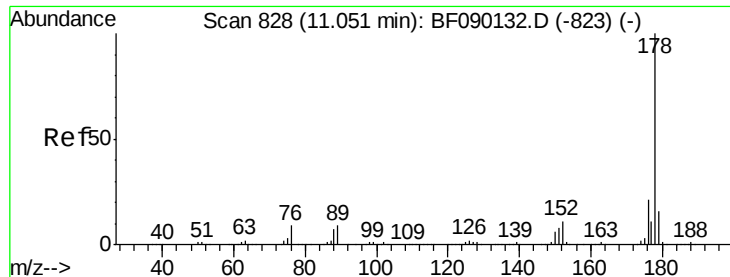


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

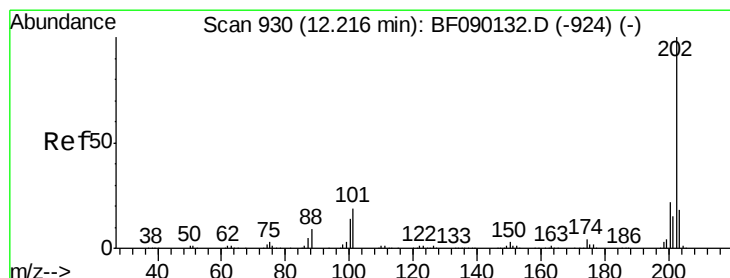
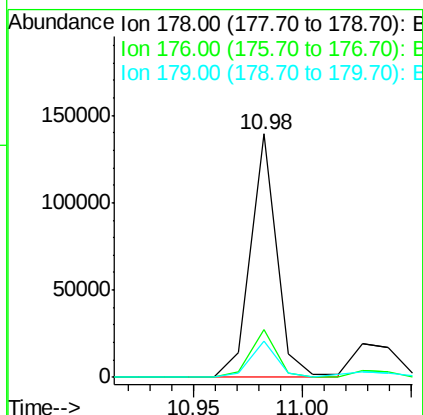
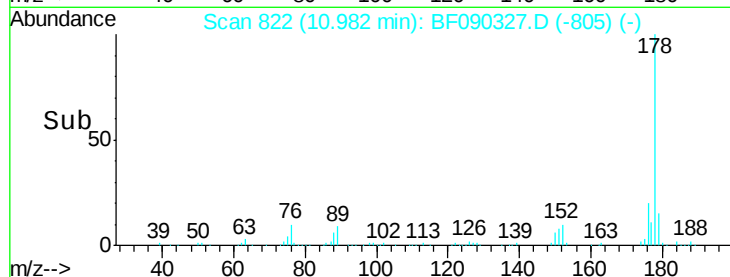
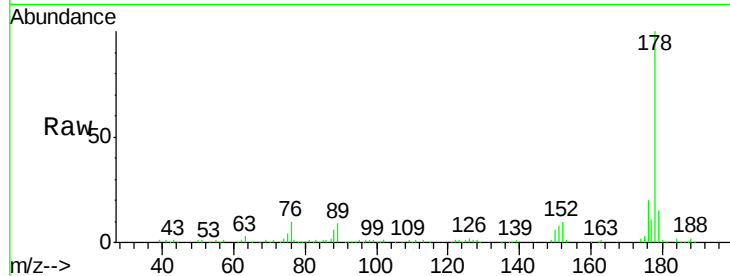




#70
Phenanthrene
Concen: 8.50 ng
RT: 10.98 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

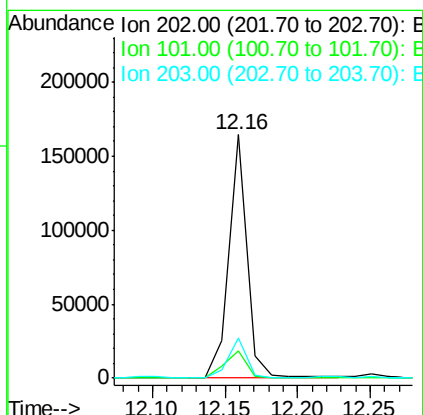
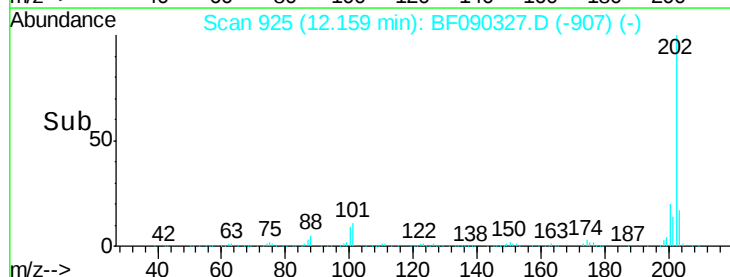
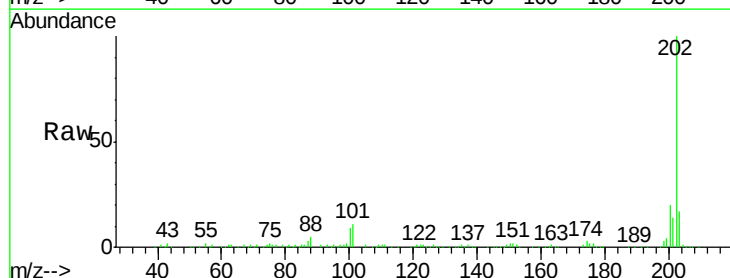
Instrument :
BNA_F
ClientSampleId :
PA-2

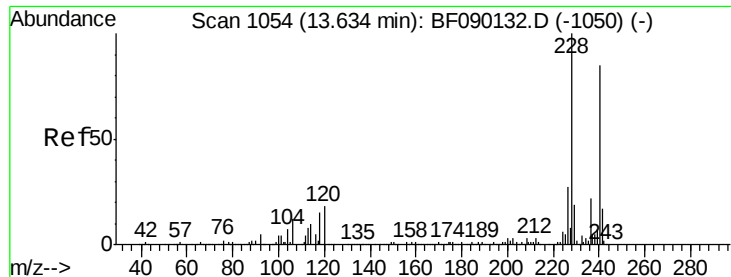
Tot Ion:178 Resp: 116796
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.0 12.9 19.3



#74
Fluoranthene
Concen: 9.86 ng
RT: 12.16 min Scan# 925
Delta R.T. 0.01 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion:202 Resp: 145426
Ion Ratio Lower Upper
202 100
101 11.1 0.0 36.1
203 16.7 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

PA-2

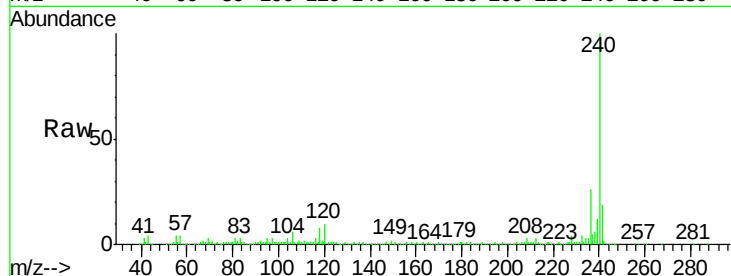
Tot Ion:240 Resp: 253470

Ion Ratio Lower Upper

240 100

120 9.5 10.6 16.0#

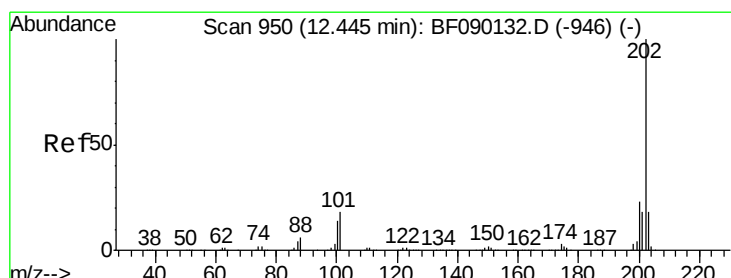
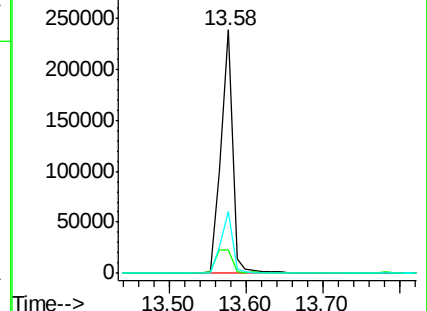
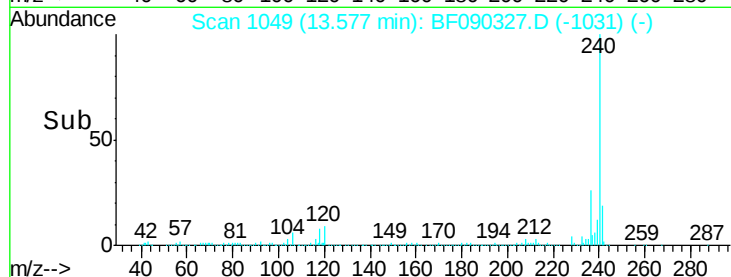
236 25.6 21.6 32.4



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: 7.51 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

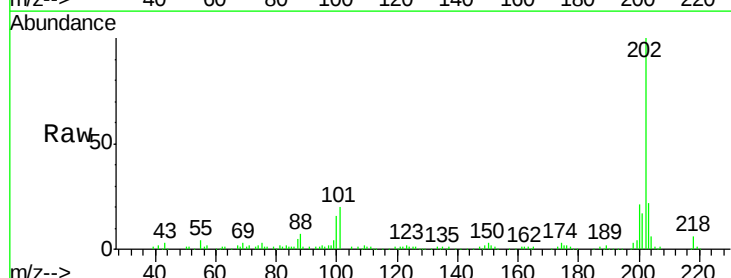
Tgt Ion:202 Resp: 130266

Ion Ratio Lower Upper

202 100

200 21.1 17.9 26.9

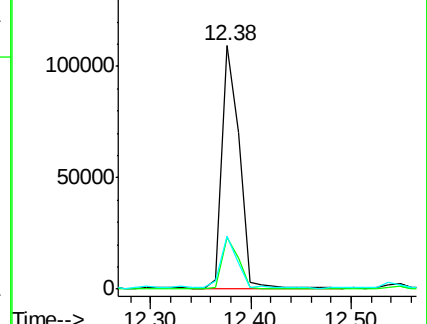
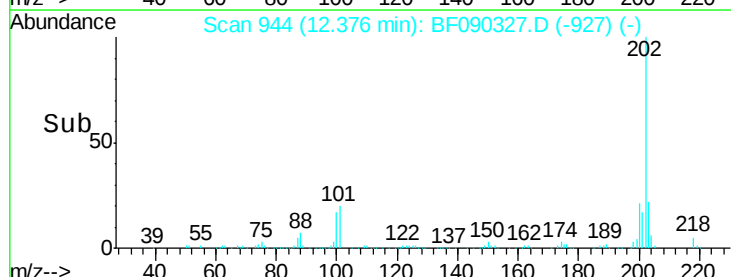
203 21.8 14.2 21.4#

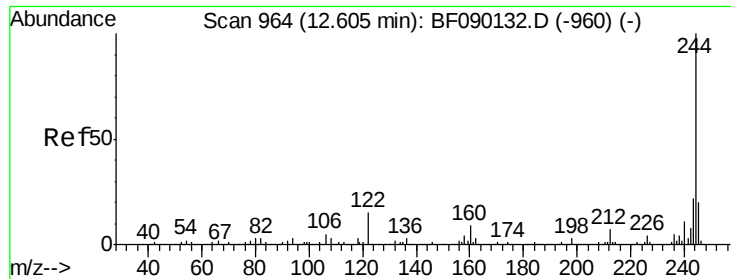


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

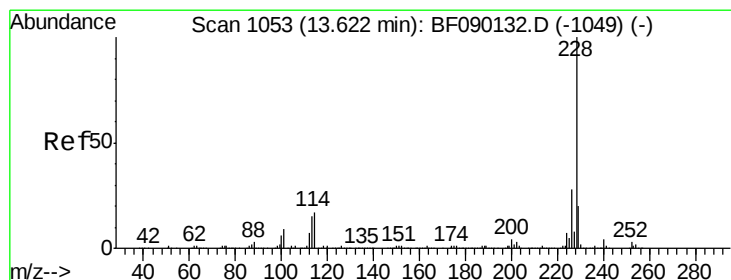
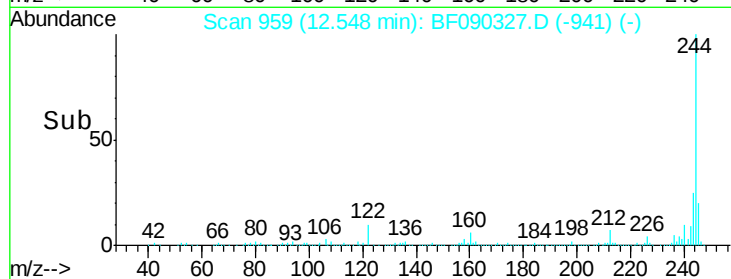
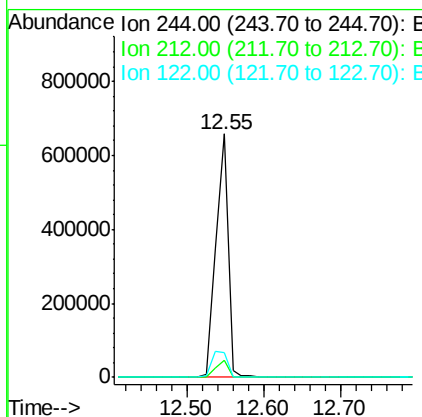
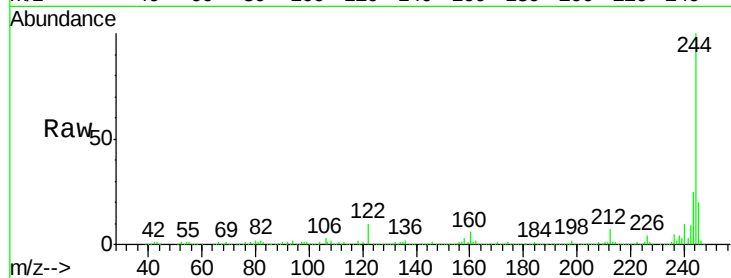




#78
 Terphenyl-d14
 Concen: 72.33 ng
 RT: 12.55 min Scan# 959
 Delta R.T. 0.01 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

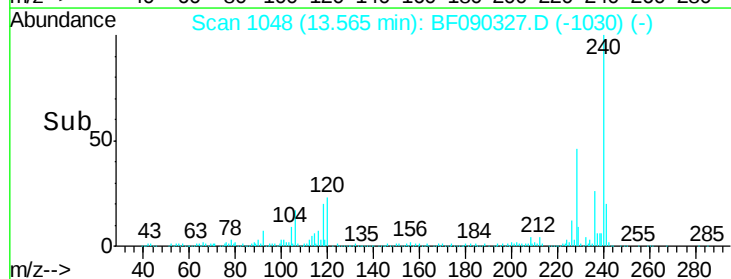
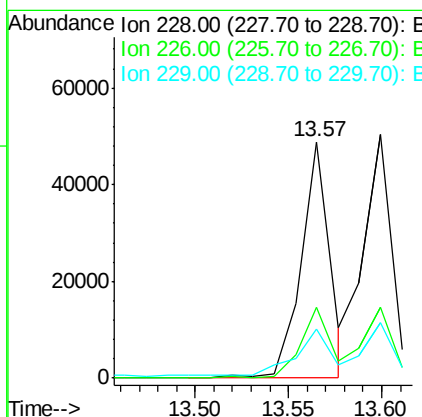
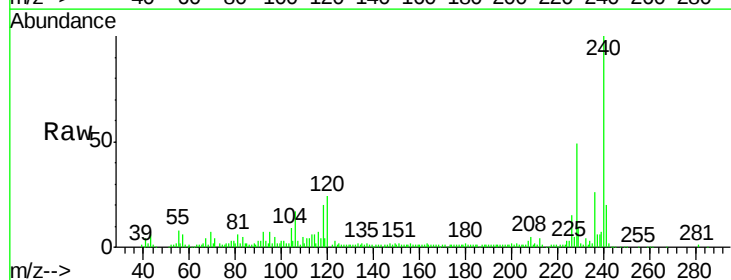
Instrument :
 BNA_F
 ClientSampleId :
 PA-2

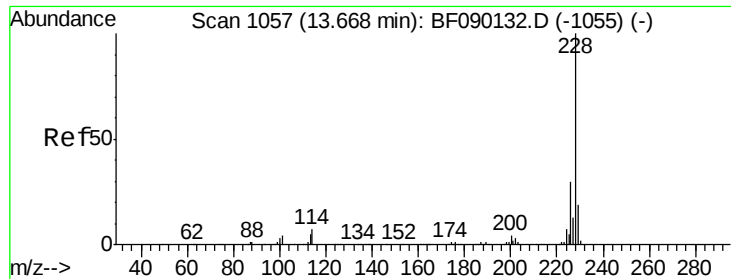
Tot Ion:244 Resp: 722118
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 10.0 9.4 14.0



#80
 Benzo(a)anthracene
 Concen: 3.84 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BF090327.D
 Acq: 30 Sep 2016 22:11

Tgt Ion:228 Resp: 52329
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.0 33.0
 229 20.8 16.2 24.2





#82

Chrysene

Concen: 4.12 ng/mL

RT: 13.60 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Instrument:

BNA_F

ClientSampleID:

PA-2

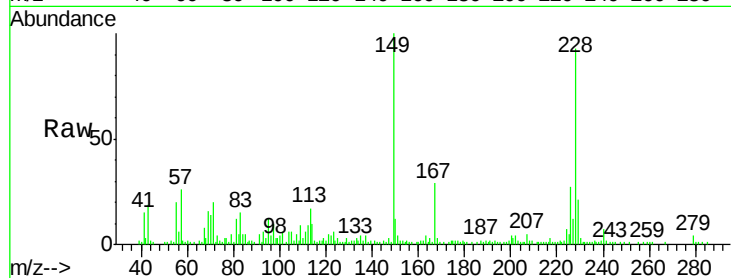
Tot Ion: 228 Resp: 54776

Ion Ratio Lower Upper

228 100

226 29.3 24.6 37.0

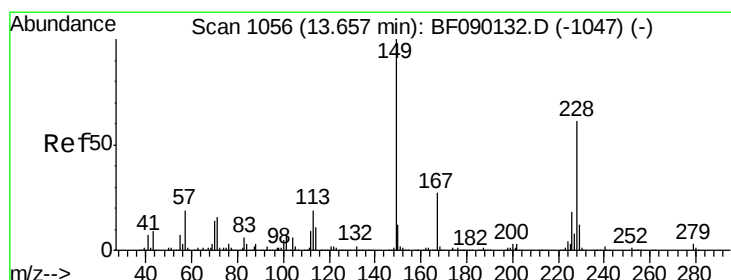
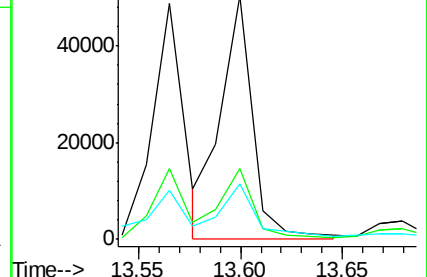
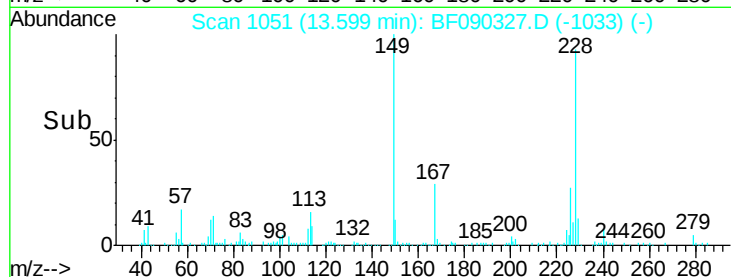
229 22.6 16.2 24.4



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: 8.68 ng/mL

RT: 13.59 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

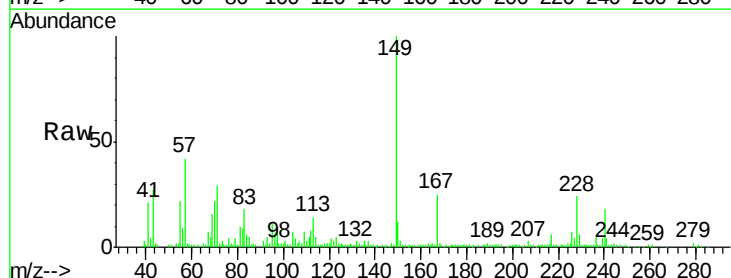
Tgt Ion: 149 Resp: 94282

Ion Ratio Lower Upper

149 100

167 24.7 21.2 31.8

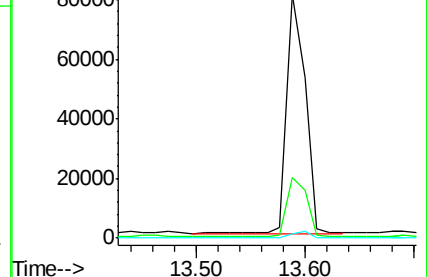
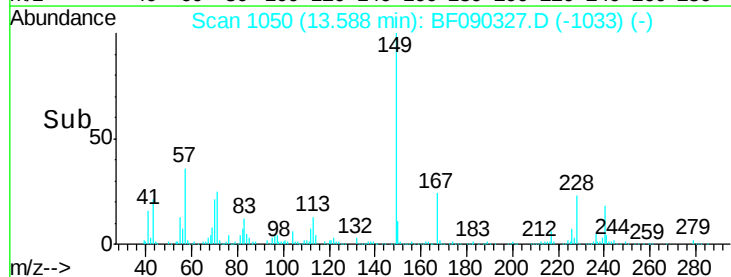
279 2.0 2.2 3.2#

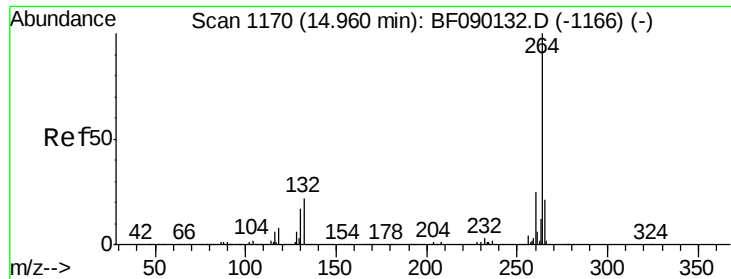


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

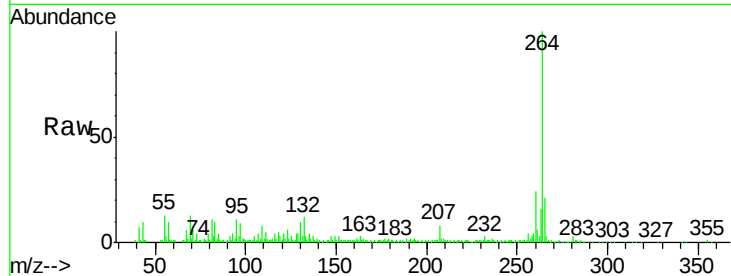




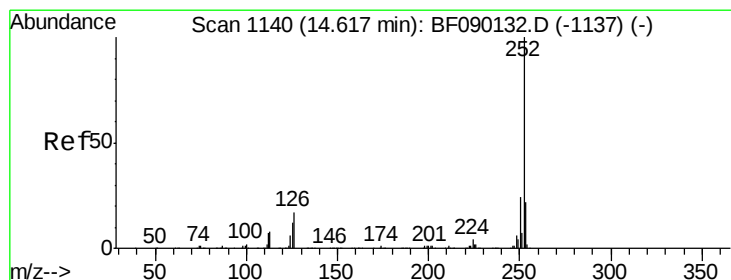
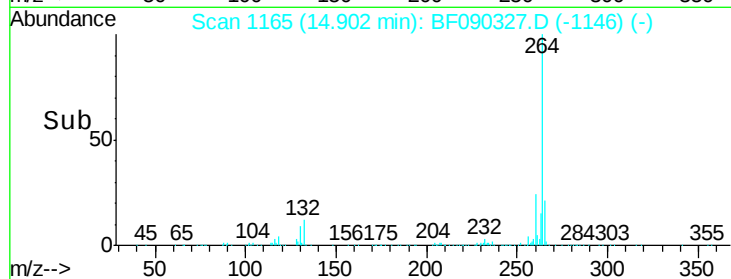
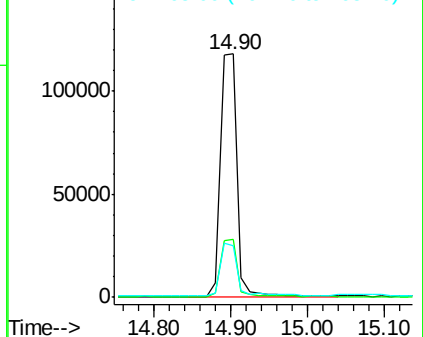
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 1165
Delta R.T. 0.02 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Instrument :
BNA_F
ClientSampleId :
PA-2

Tot Ion:264 Resp: 182419
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 21.3 17.0 25.4

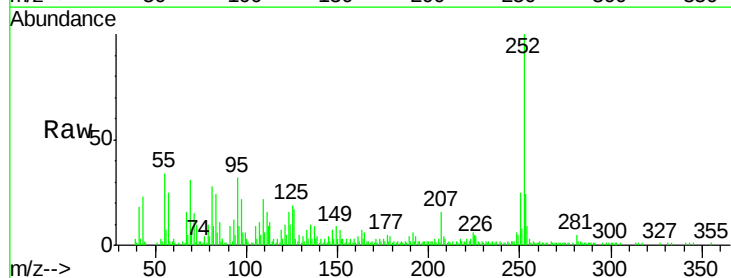


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

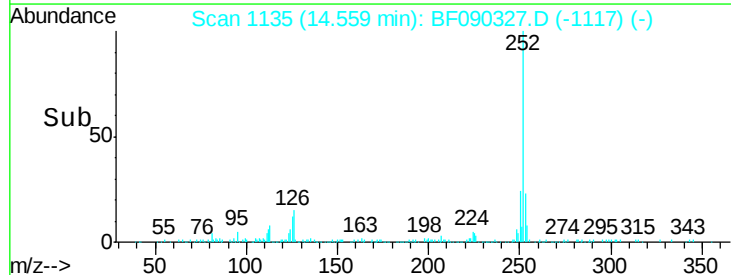
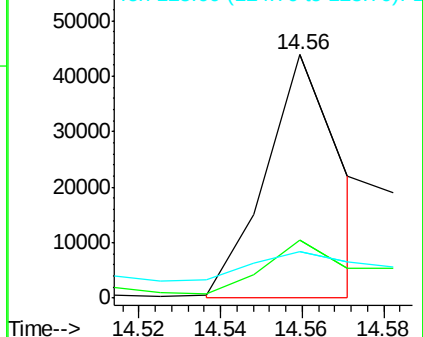


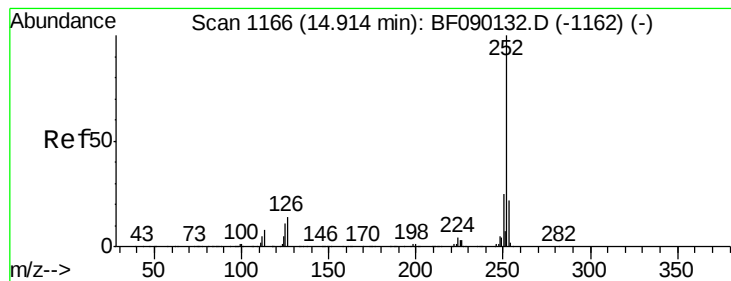
#87
Benzo(b)fluoranthene
Concen: 5.48 ng m
RT: 14.56 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BF090327.D
Acq: 30 Sep 2016 22:11

Tgt Ion:252 Resp: 55405
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 19.1 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





#89

Benzo(a)pyrene

Concen: 3.56 ng

RT: 14.85 min Scan# 1160

Delta R.T. 0.01 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

Instrument :

BNA_F

ClientSampleId :

PA-2

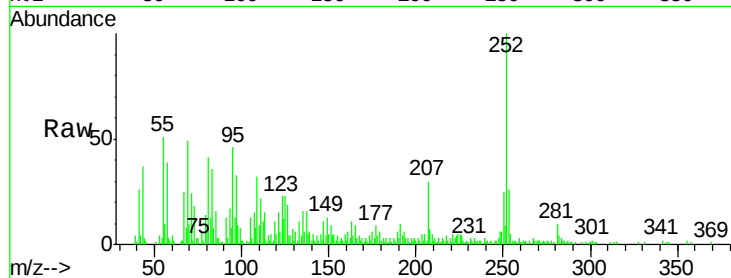
Tot Ion:252 Resp: 33829

Ion Ratio Lower Upper

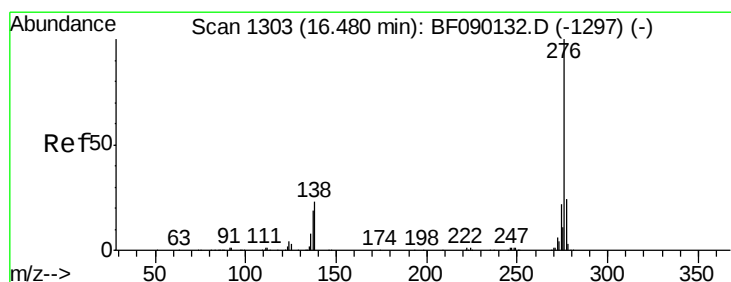
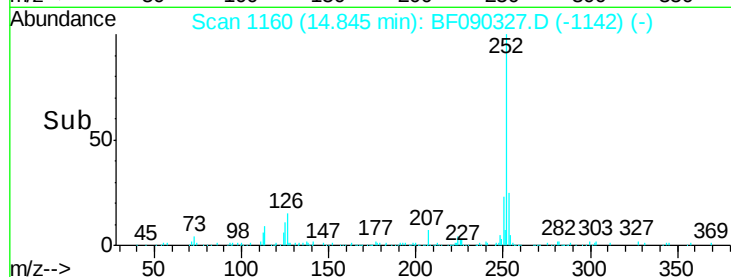
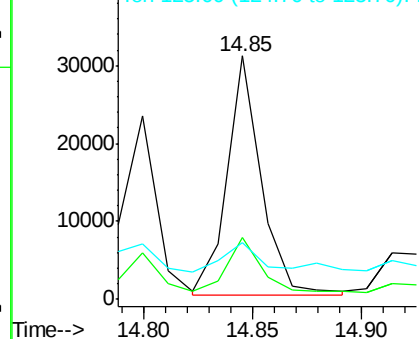
252 100

253 25.6 17.4 26.0

125 23.3 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(g,h,i)perylene

Concen: 2.78 ng

RT: 16.38 min Scan# 1294

Delta R.T. 0.02 min

Lab File: BF090327.D

Acq: 30 Sep 2016 22:11

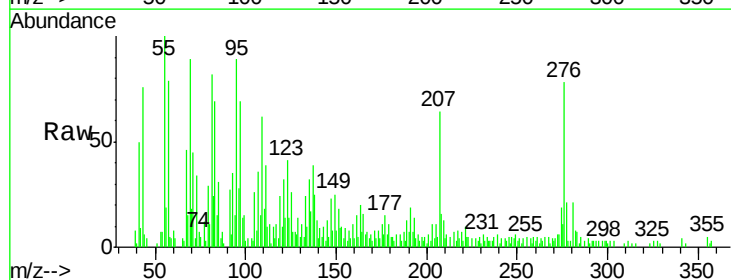
Tgt Ion:276 Resp: 20190

Ion Ratio Lower Upper

276 100

277 27.4 18.9 28.3

138 32.5 23.3 34.9



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

