

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092816\
 Data File : BF090280.D
 Acq On : 28 Sep 2016 15:10
 Operator : UM/SJ
 Sample : H4982-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Time: Sep 28 17:45:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

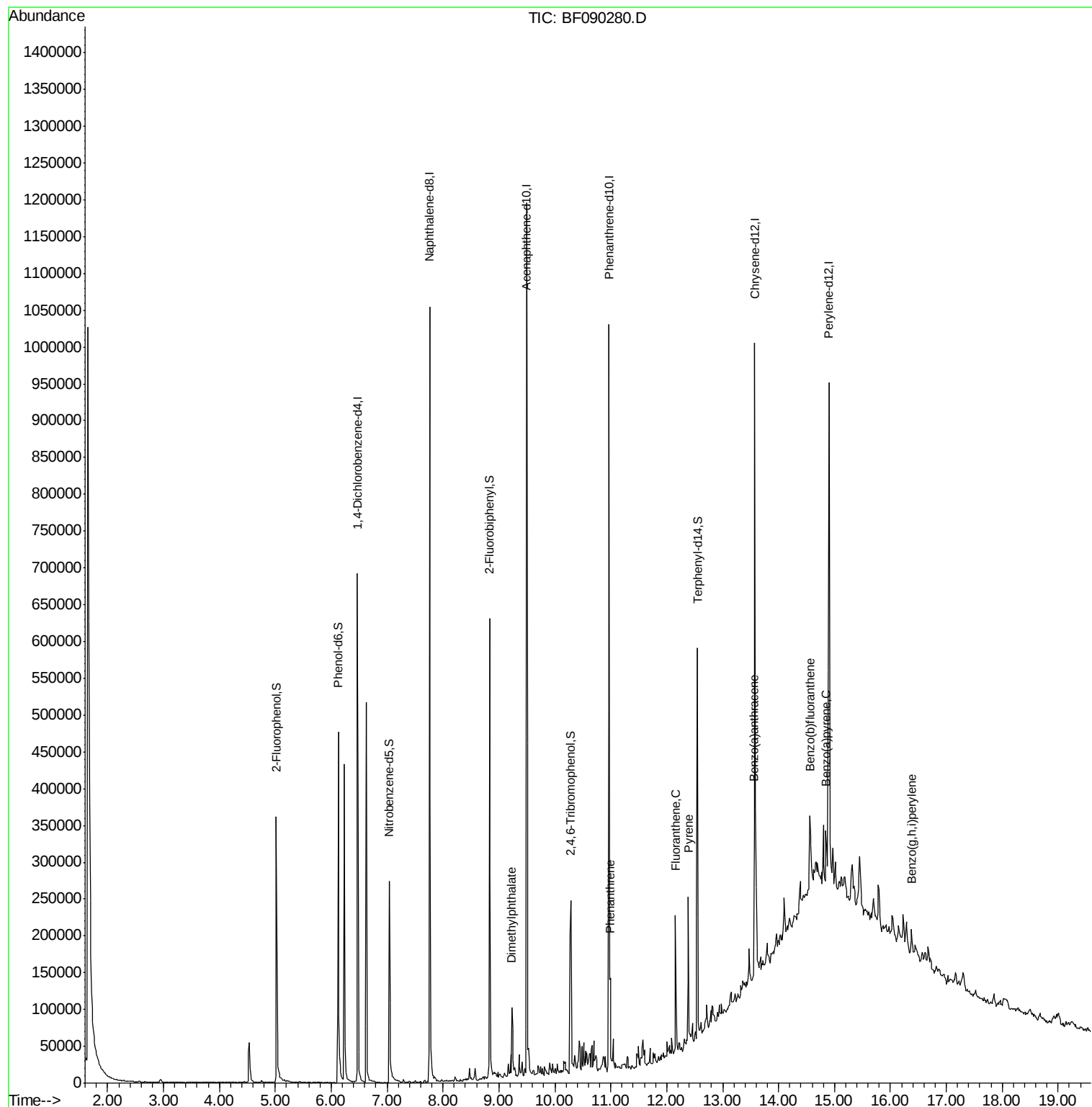
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.47	152	147672	20.00	ng	-0.01
21) Naphthalene-d8	7.76	136	552378	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	294897	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	446082	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	301859	20.00	ng	-0.02
86) Perylene-d12	14.90	264	288399	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	162341	17.92	ng	-0.01
7) Phenol-d6	6.12	99	228935	20.46	ng	-0.01
23) Nitrobenzene-d5	7.04	82	128345	13.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	44822	17.72	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	244327	16.27	ng	-0.02
78) Terphenyl-d14	12.55	244	177875	14.96	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.23	163	57751	3.07	ng	# 99
70) Phenanthrene	10.99	178	52792	2.53	ng	97
74) Fluoranthene	12.16	202	85930	3.84	ng	99
77) Pyrene	12.39	202	84601	4.10	ng	98
80) Benzo(a)anthracene	13.57	228	41237	2.54	ng	# 91
87) Benzo(b)fluoranthene	14.56	252	46550m	2.91	ng	
89) Benzo(a)pyrene	14.85	252	32649	2.17	ng	# 81
91) Benzo(g,h,i)perylene	16.38	276	23329m	2.03	ng	

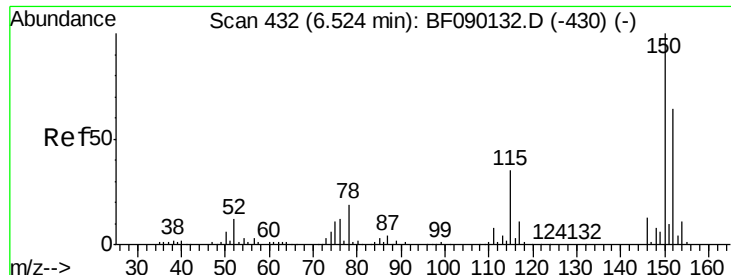
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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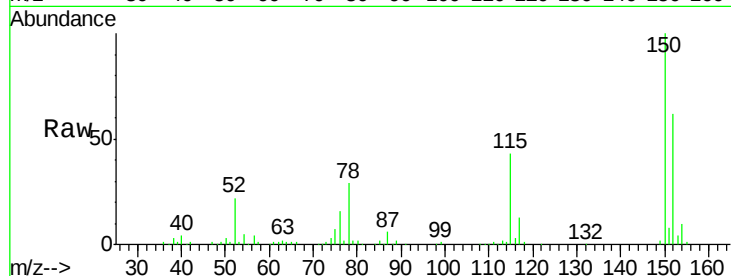


#1

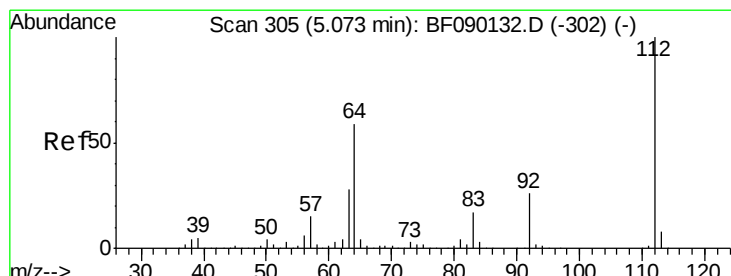
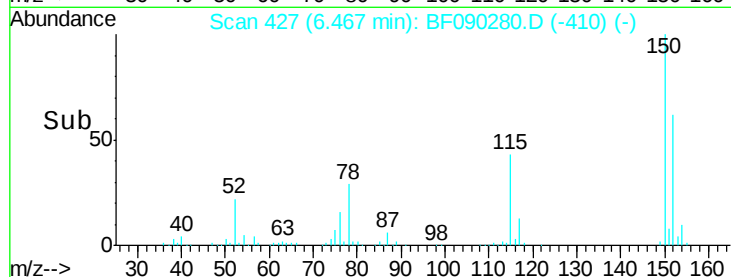
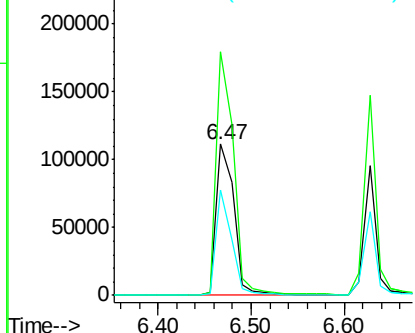
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.47 min Scan# 427
Delta R.T. -0.01 min
Lab File: BF090280.D
Acq: 28 Sep 2016 15:10

Instrument :
BNA_F
ClientSampleId :
S-1

Tot Ion:152 Resp: 147672
Ion Ratio Lower Upper
152 100
150 160.8 128.9 193.3
115 69.8 55.5 83.3



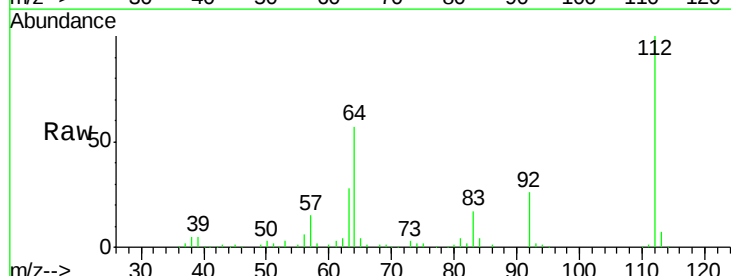
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



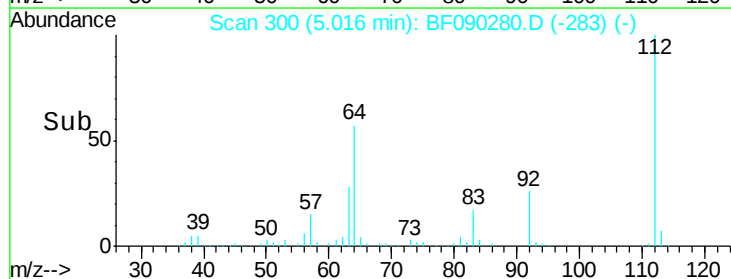
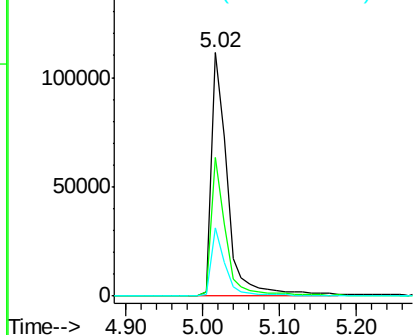
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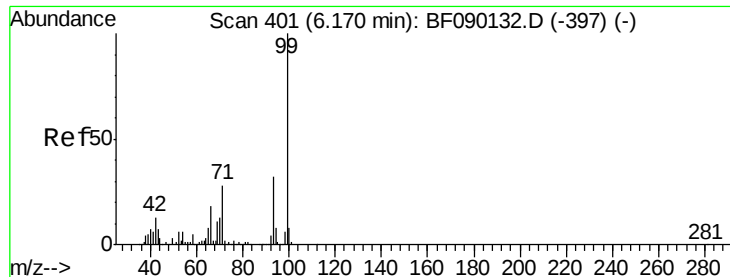
2-Fluorophenol
Concen: 17.92 ng
RT: 5.02 min Scan# 300
Delta R.T. -0.01 min
Lab File: BF090280.D
Acq: 28 Sep 2016 15:10

Tgt Ion:112 Resp: 162341
Ion Ratio Lower Upper
112 100
64 57.1 39.8 59.6
63 28.2 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: 20.46 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

Instrument :

BNA_F

ClientSampled :

S-1

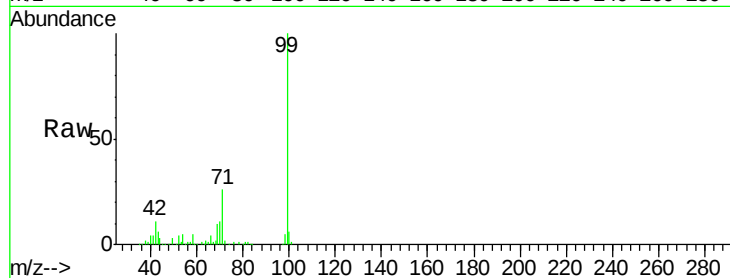
Tot Ion: 99 Resp: 228935

Ion Ratio Lower Upper

99 100

42 11.1 10.6 15.8

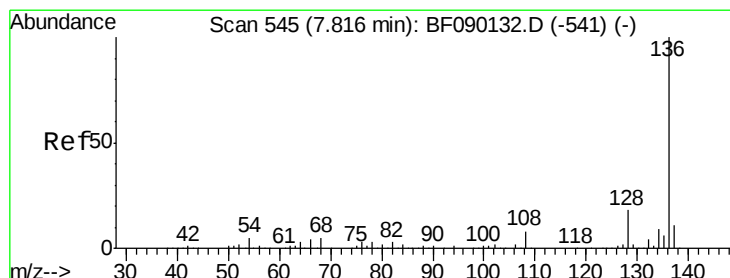
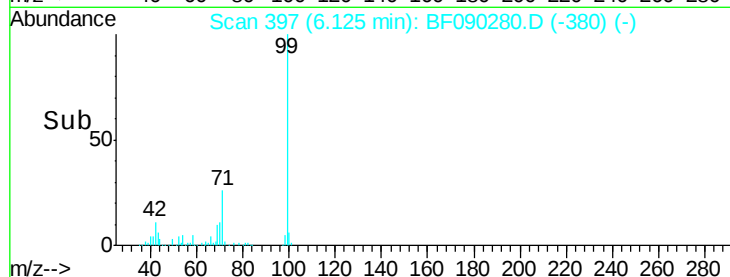
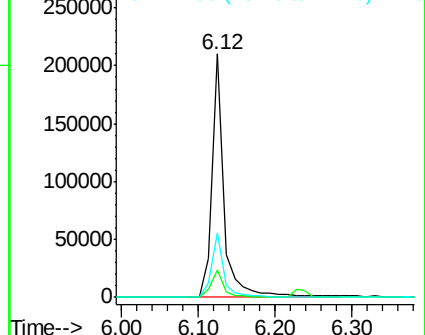
71 26.3 23.0 34.6



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

Tgt Ion: 136 Resp: 552378

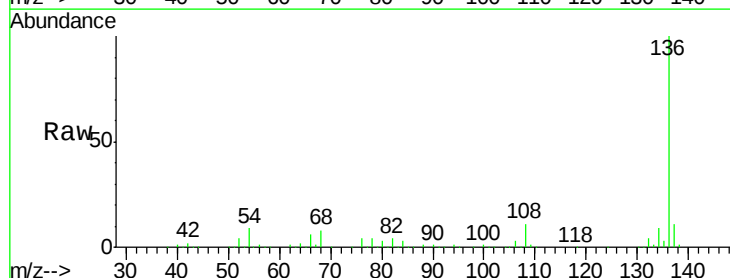
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 8.7 6.4 9.6

68 7.9 6.3 9.5

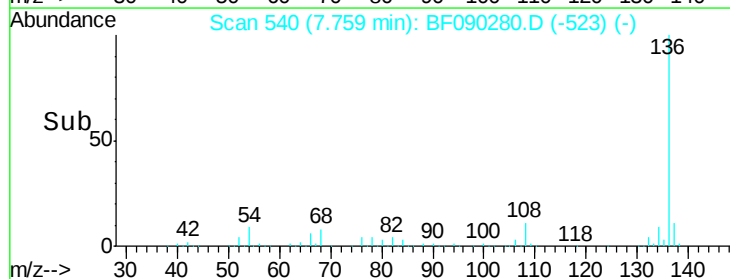
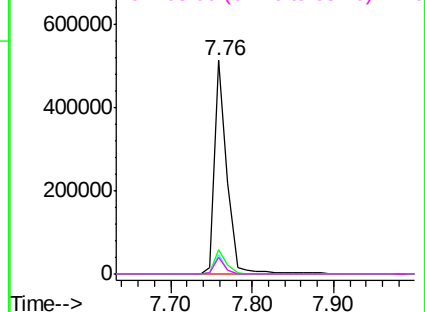


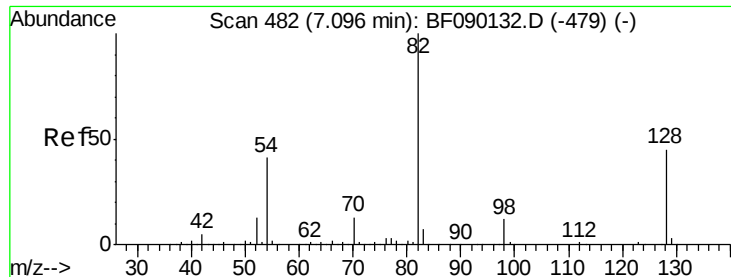
Abundance Ion 136.00 (135.70 to 136.70): E

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

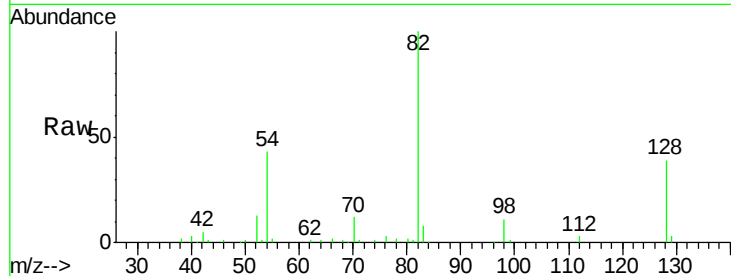




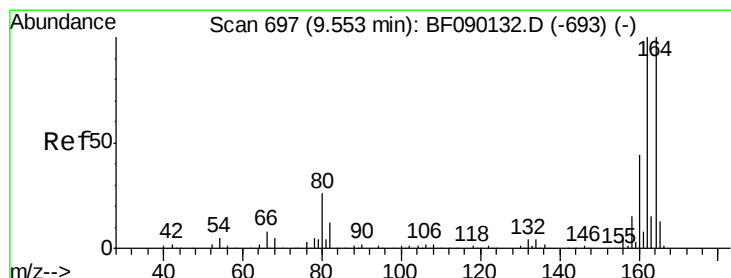
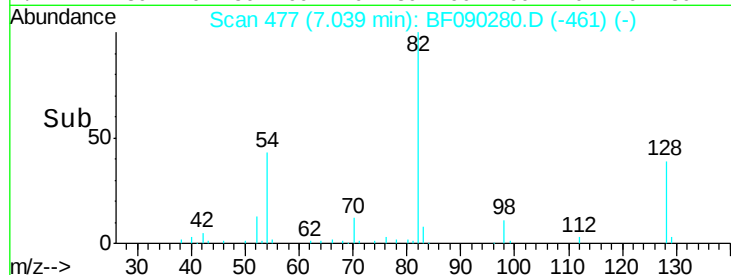
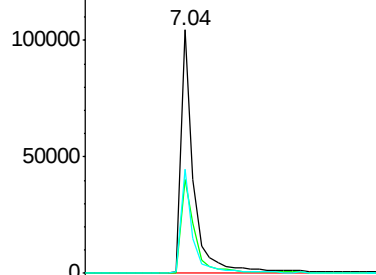
#23
 Nitrobenzene-d5
 Concen: 13.47 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090280.D
 Acq: 28 Sep 2016 15:10

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Tot Ion	82	Resp	128	345
Ion Ratio	100			
Lower		37.5		
Upper		56.3		
54	43.0		31.9	47.9

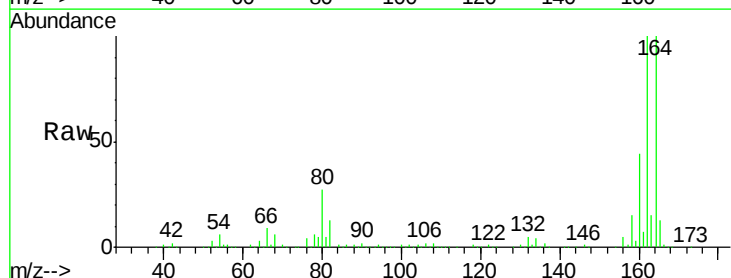


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

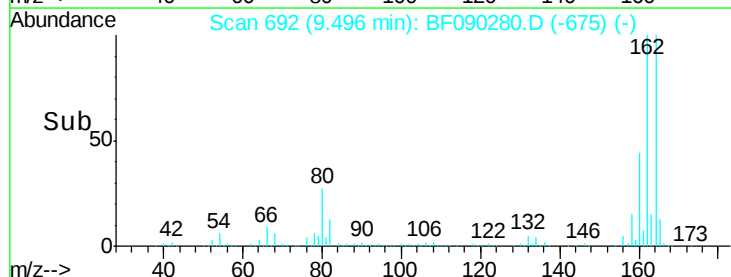
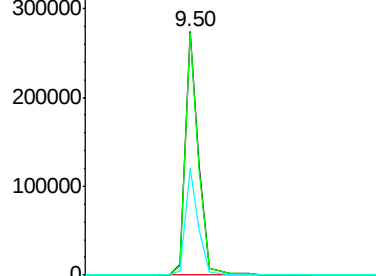


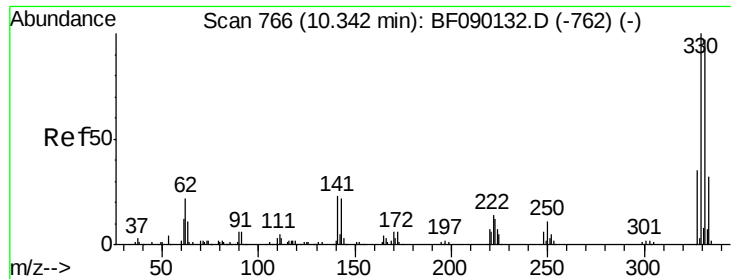
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090280.D
 Acq: 28 Sep 2016 15:10

Tgt Ion	164	Resp	294	897
Ion Ratio <td>100</td> <td></td> <td></td> <td></td>	100			
Lower		81.4		
Upper		122.2		
162	99.6		36.6	54.8



Abundance Ion 164.00 (163.70 to 164.70): B
 Ion 162.00 (161.70 to 162.70): B
 Ion 160.00 (159.70 to 160.70): B

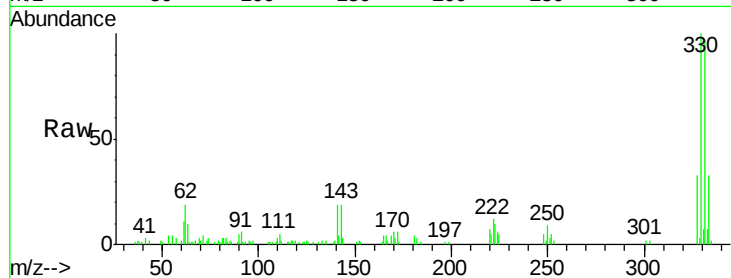




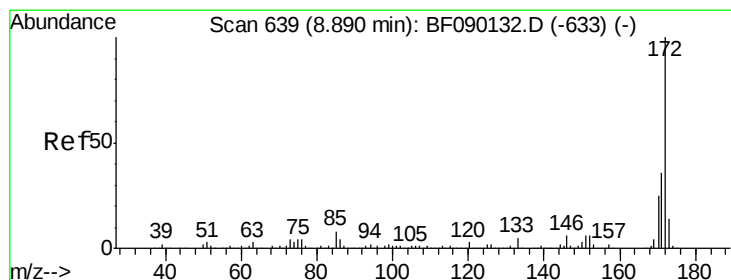
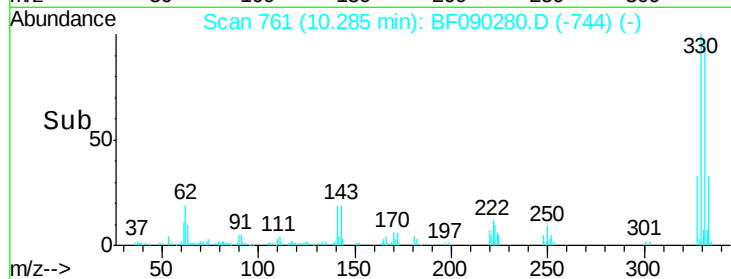
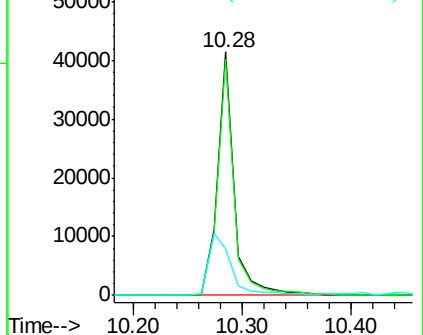
#41
 2,4,6-Tribromophenol
 Concen: 17.72 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090280.D
 Acq: 28 Sep 2016 15:10

Instrument :
 BNA_F
 ClientSampled :
 S-1

Tot Ion:330 Resp: 44822
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.1 117.1
 141 35.0 23.9 35.9

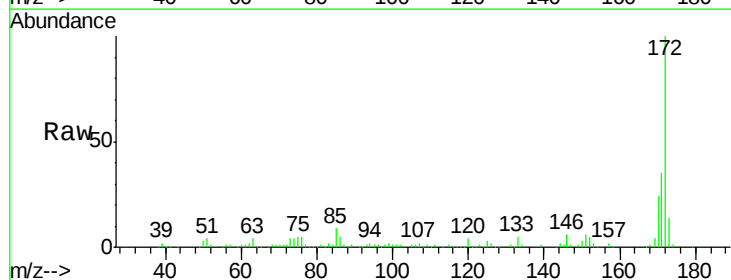


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

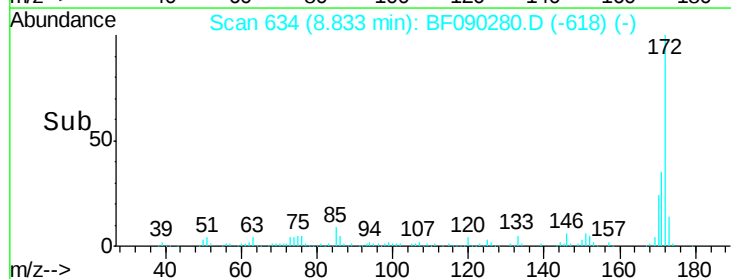
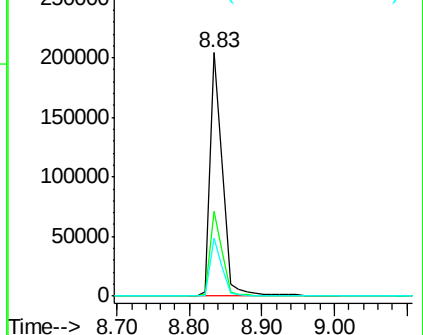


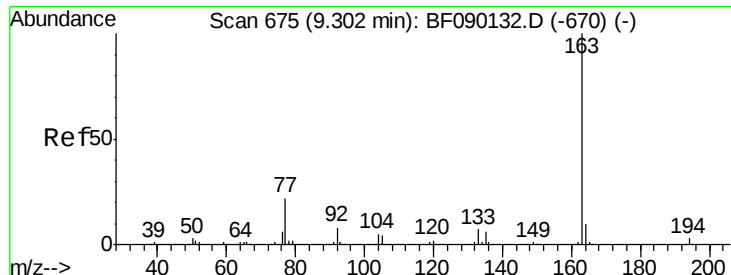
#44
 2-Fluorobiphenyl
 Concen: 16.27 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090280.D
 Acq: 28 Sep 2016 15:10

Tgt Ion:172 Resp: 244327
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.2 43.8
 170 23.7 19.8 29.8



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: 3.07 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

Instrument :

BNA_F

ClientSampled :

S-1

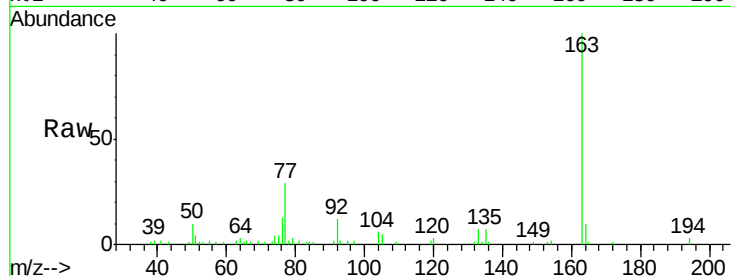
Tot Ion:163 Resp: 57751

Ion Ratio Lower Upper

163 100

194 2.5 2.8 4.2#

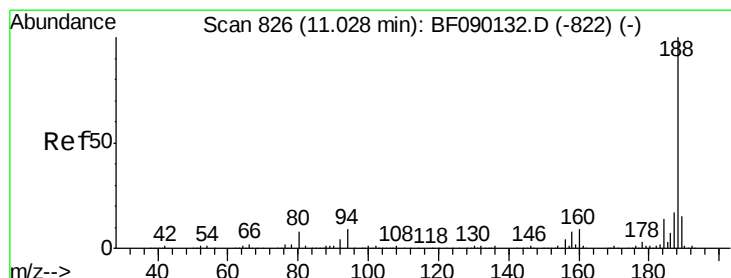
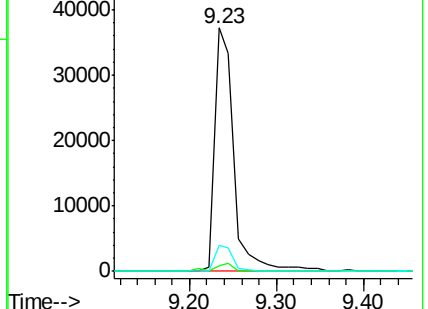
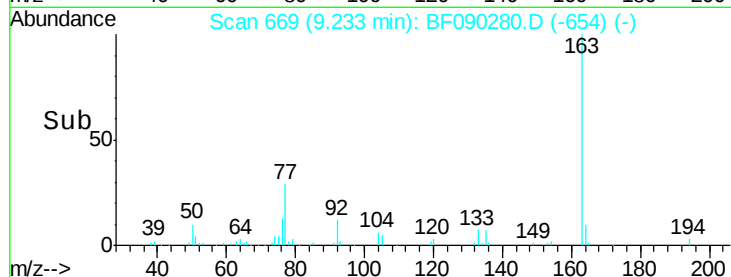
164 10.4 8.1 12.1



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: 10.97 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

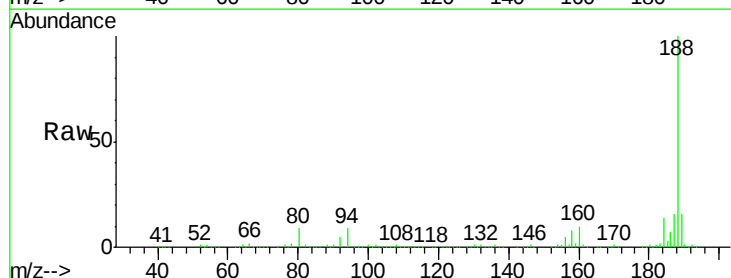
Tgt Ion:188 Resp: 446082

Ion Ratio Lower Upper

188 100

94 8.7 10.5 15.7#

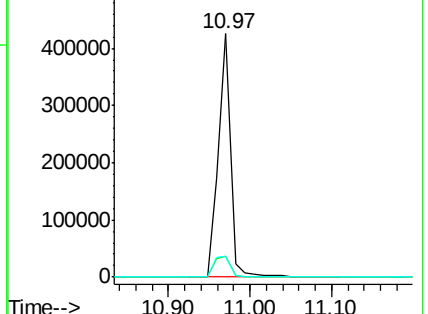
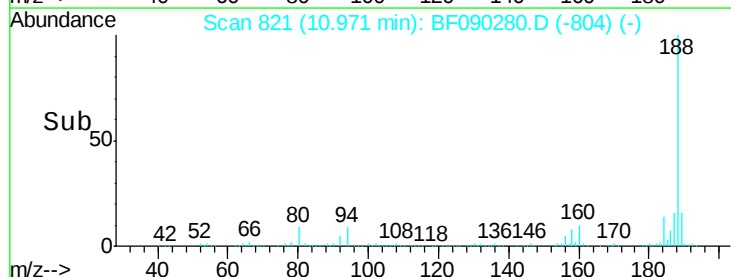
80 8.8 11.2 16.8#

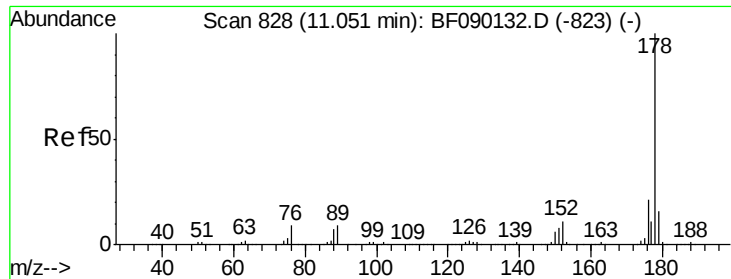


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

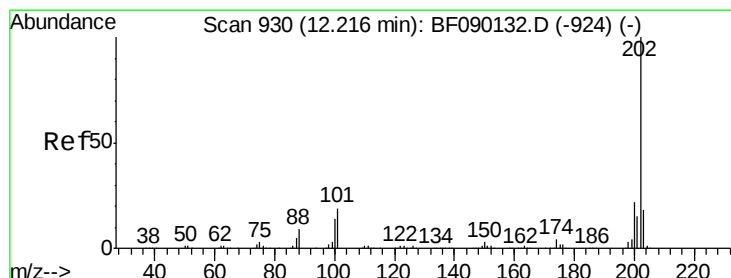
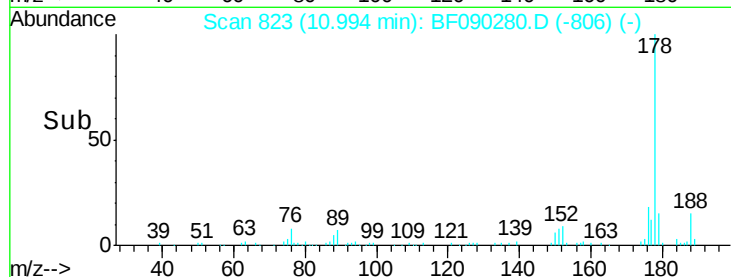
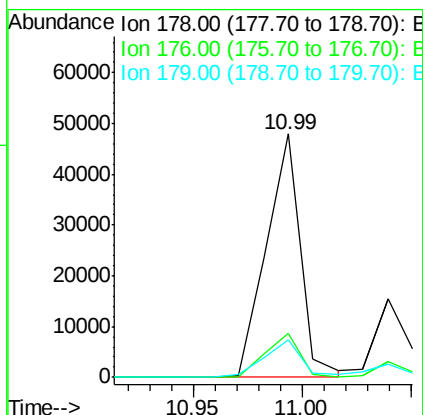
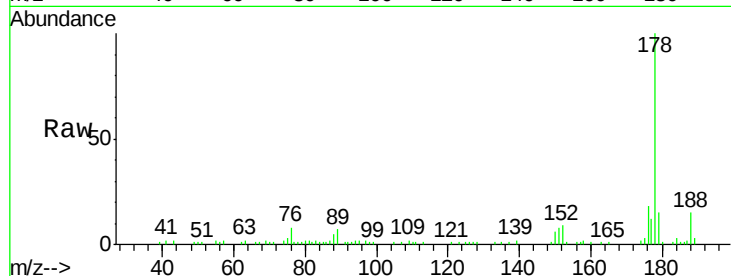




#70
Phenanthrene
Concen: 2.53 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090280.D
Acq: 28 Sep 2016 15:10

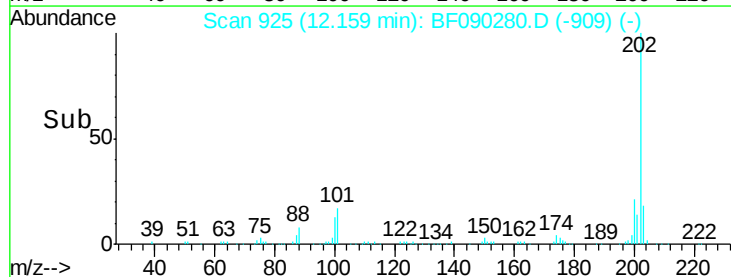
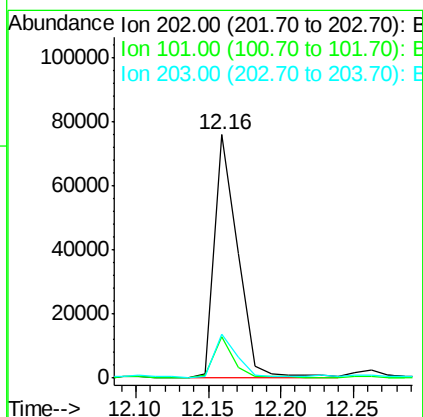
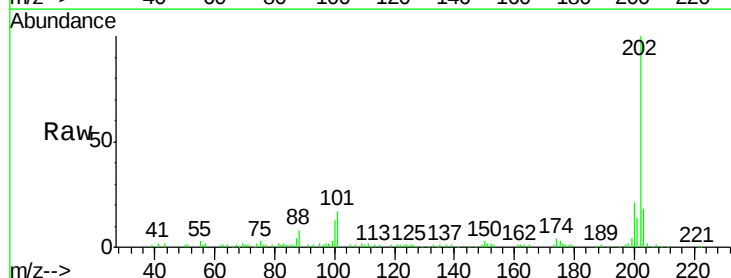
Instrument :
BNA_F
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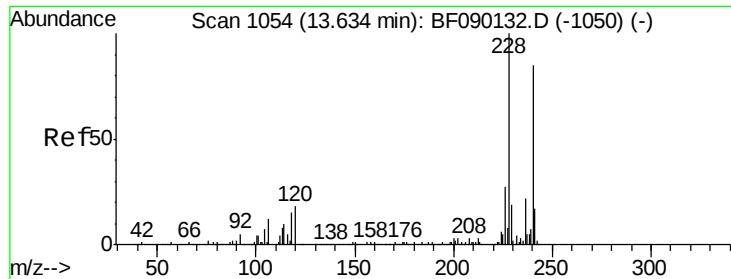
Tot Ion:178 Resp: 52792
Ion Ratio Lower Upper
178 100
176 18.0 15.9 23.9
179 15.4 12.9 19.3



#74
Fluoranthene
Concen: 3.84 ng
RT: 12.16 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF090280.D
Acq: 28 Sep 2016 15:10

Tgt Ion:202 Resp: 85930
Ion Ratio Lower Upper
202 100
101 17.2 0.0 36.1
203 18.1 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

Instrument :

BNA_F

ClientSampleId :

S-1

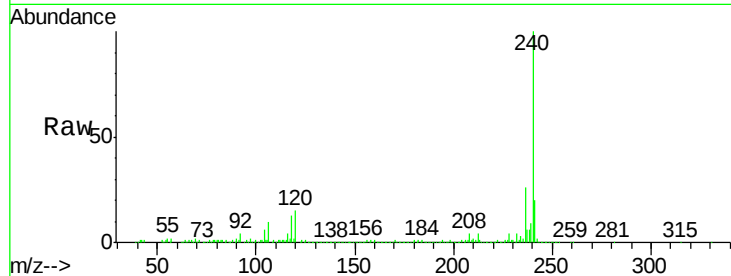
Tot Ion:240 Resp: 301859

Ion Ratio Lower Upper

240 100

120 15.5 10.6 16.0

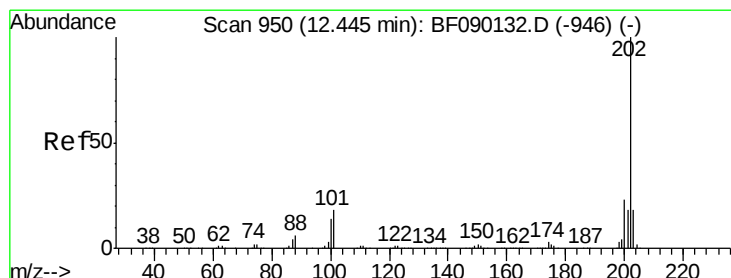
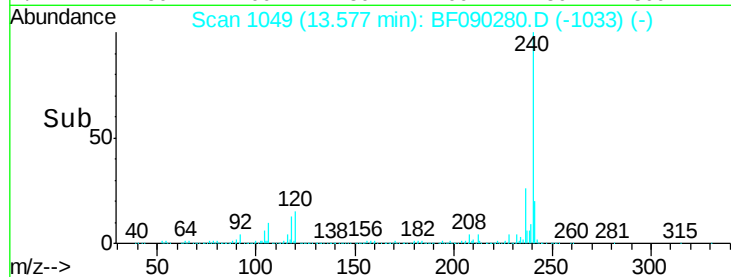
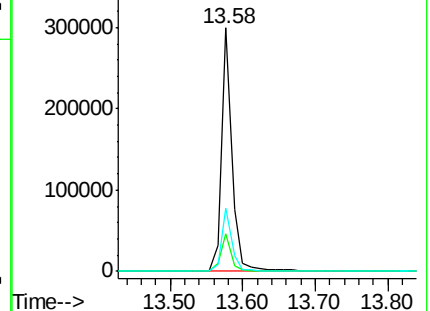
236 26.0 21.6 32.4



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: 4.10 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

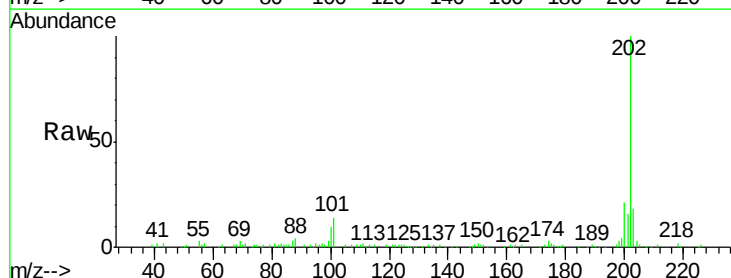
Tgt Ion:202 Resp: 84601

Ion Ratio Lower Upper

202 100

200 20.6 17.9 26.9

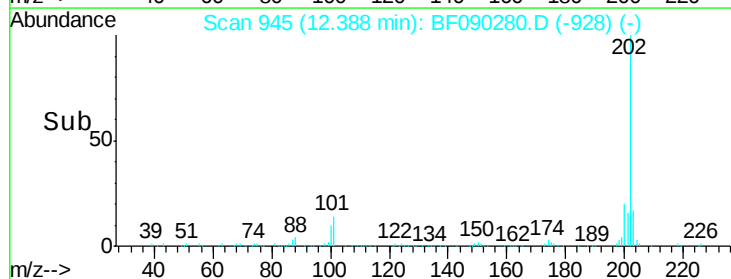
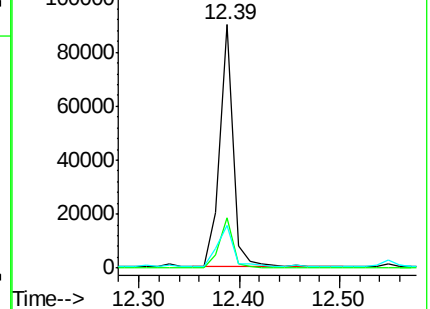
203 17.6 14.2 21.4

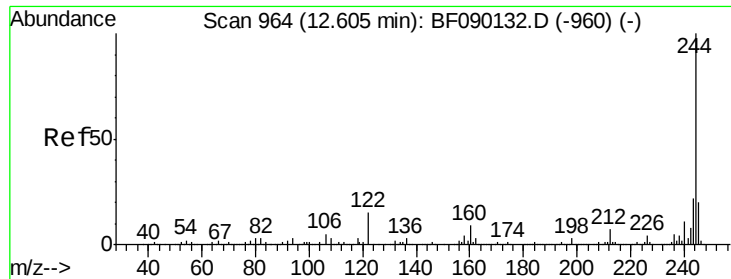


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

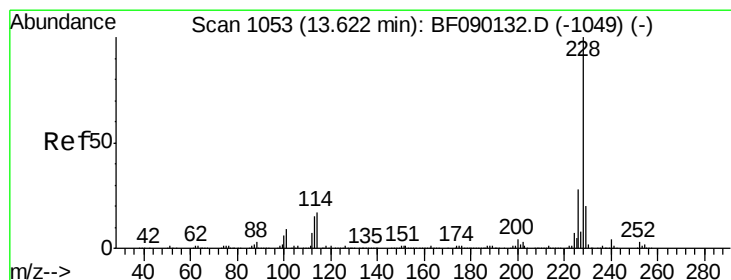
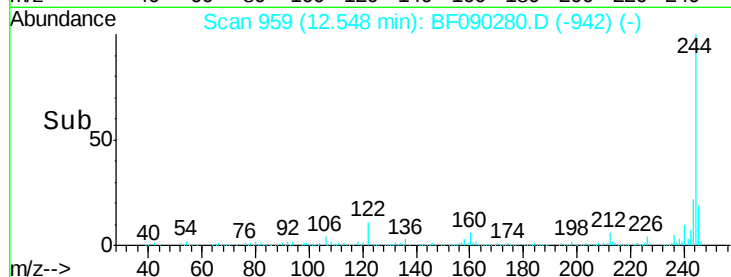
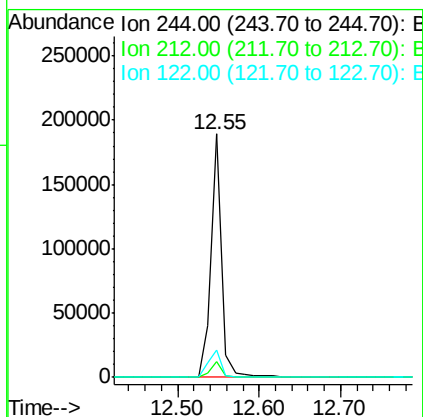
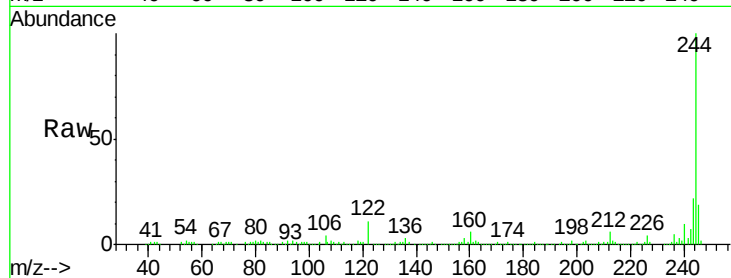




#78
 Terphenyl-d14
 Concen: 14.96 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090280.D
 Acq: 28 Sep 2016 15:10

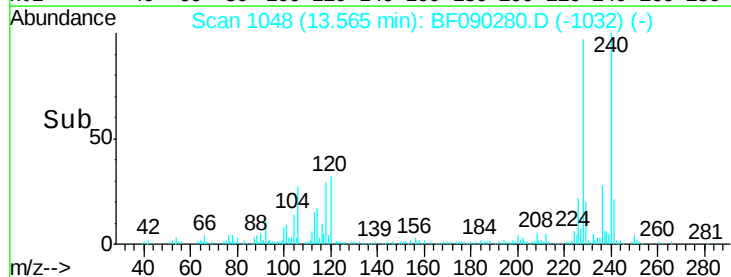
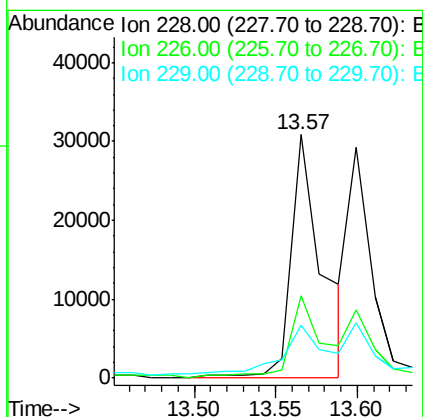
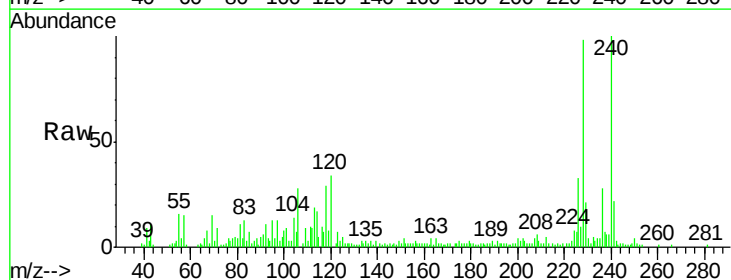
Instrument :
 BNA_F
 ClientSampleId :
 S-1

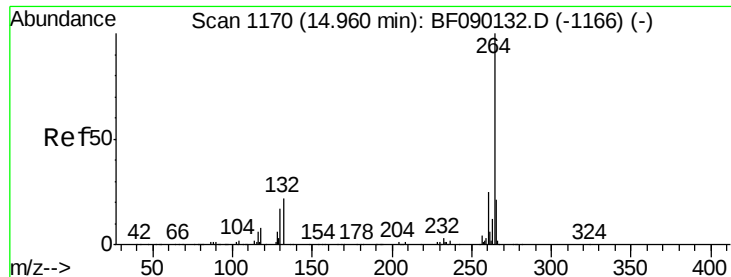
Tot Ion:244 Resp: 177875
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.8
 122 11.1 9.4 14.0



#80
 Benzo(a)anthracene
 Concen: 2.54 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF090280.D
 Acq: 28 Sep 2016 15:10

Tgt Ion:228 Resp: 41237
 Ion Ratio Lower Upper
 228 100
 226 33.9 22.0 33.0#
 229 21.9 16.2 24.2





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.90 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

Instrument :

BNA_F

ClientSampleId :

S-1

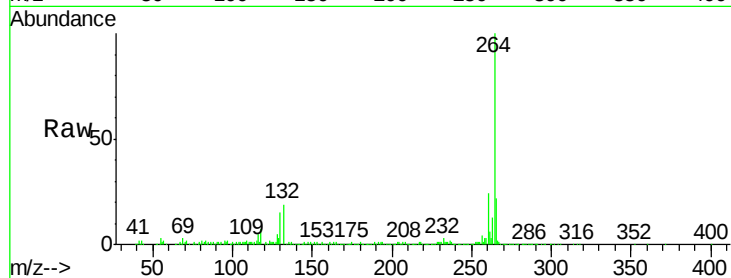
Tot Ion:264 Resp: 288399

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

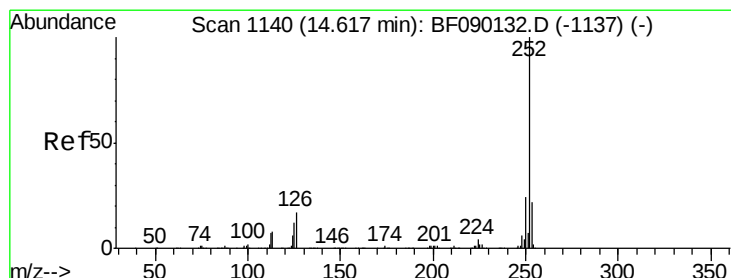
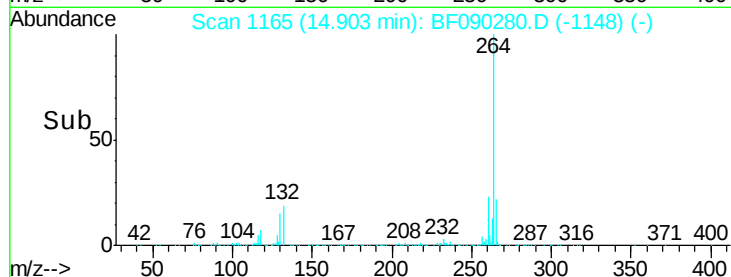
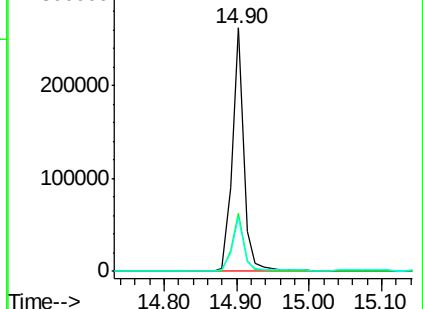
265 22.2 17.0 25.4



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: 2.91 ng m

RT: 14.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF090280.D

Acq: 28 Sep 2016 15:10

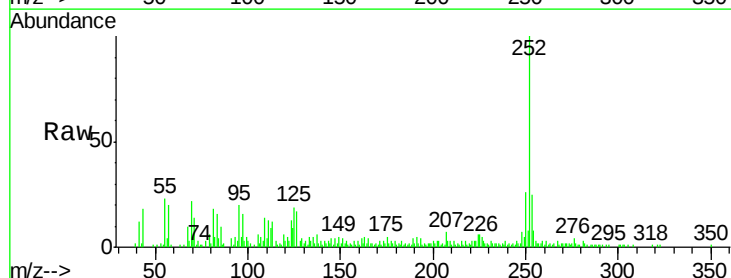
Tgt Ion:252 Resp: 46550

Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

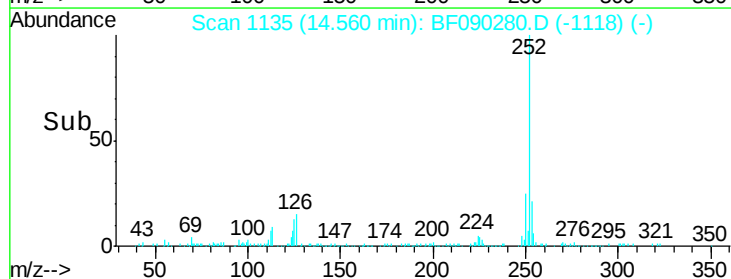
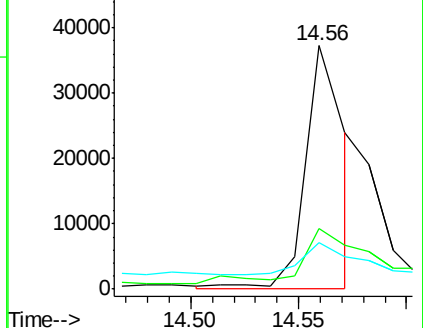
125 19.3 12.7 19.1#

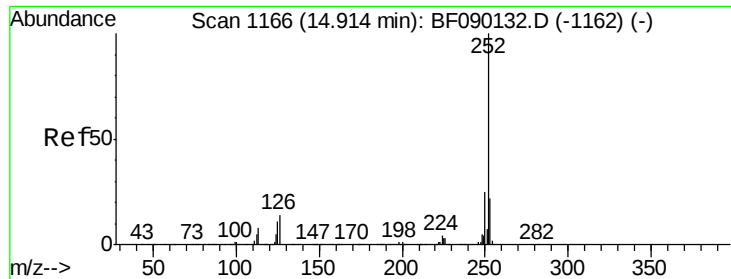


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

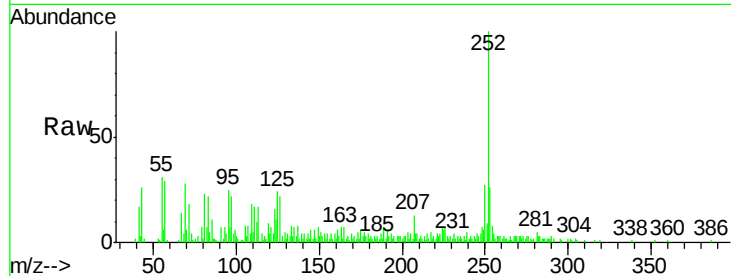




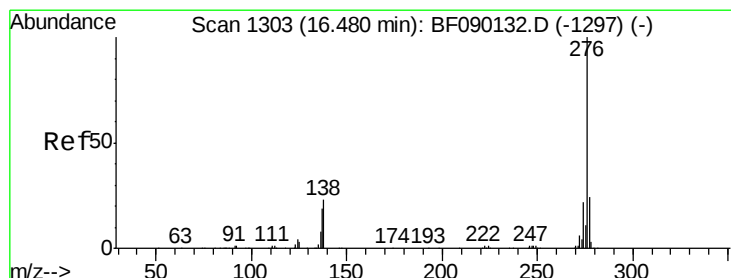
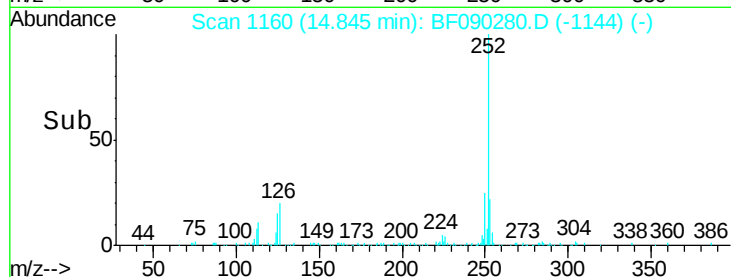
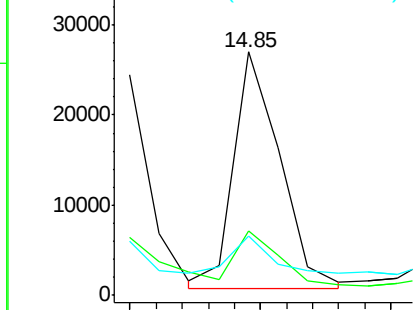
#89
Benzo(a)pyrene
Concen: 2.17 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090280.D
Acq: 28 Sep 2016 15:10

Instrument :
BNA_F
ClientSampleId :
S-1

Tot Ion:252 Resp: 32649
Ion Ratio Lower Upper
252 100
253 26.5 17.4 26.0#
125 24.3 7.7 11.5#

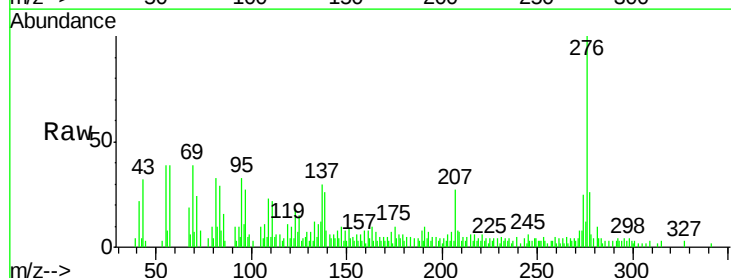


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.03 ng m
RT: 16.38 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF090280.D
Acq: 28 Sep 2016 15:10

Tgt Ion:276 Resp: 23329
Ion Ratio Lower Upper
276 100
277 26.0 18.9 28.3
138 26.3 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

