

Data Path : Z:\HPCHEM1\BNA F\Data\BF092816\
 Data File : BF090284.D
 Acq On : 28 Sep 2016 18:21
 Operator : UM/SJ
 Sample : H4982-03 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 19:22:28 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

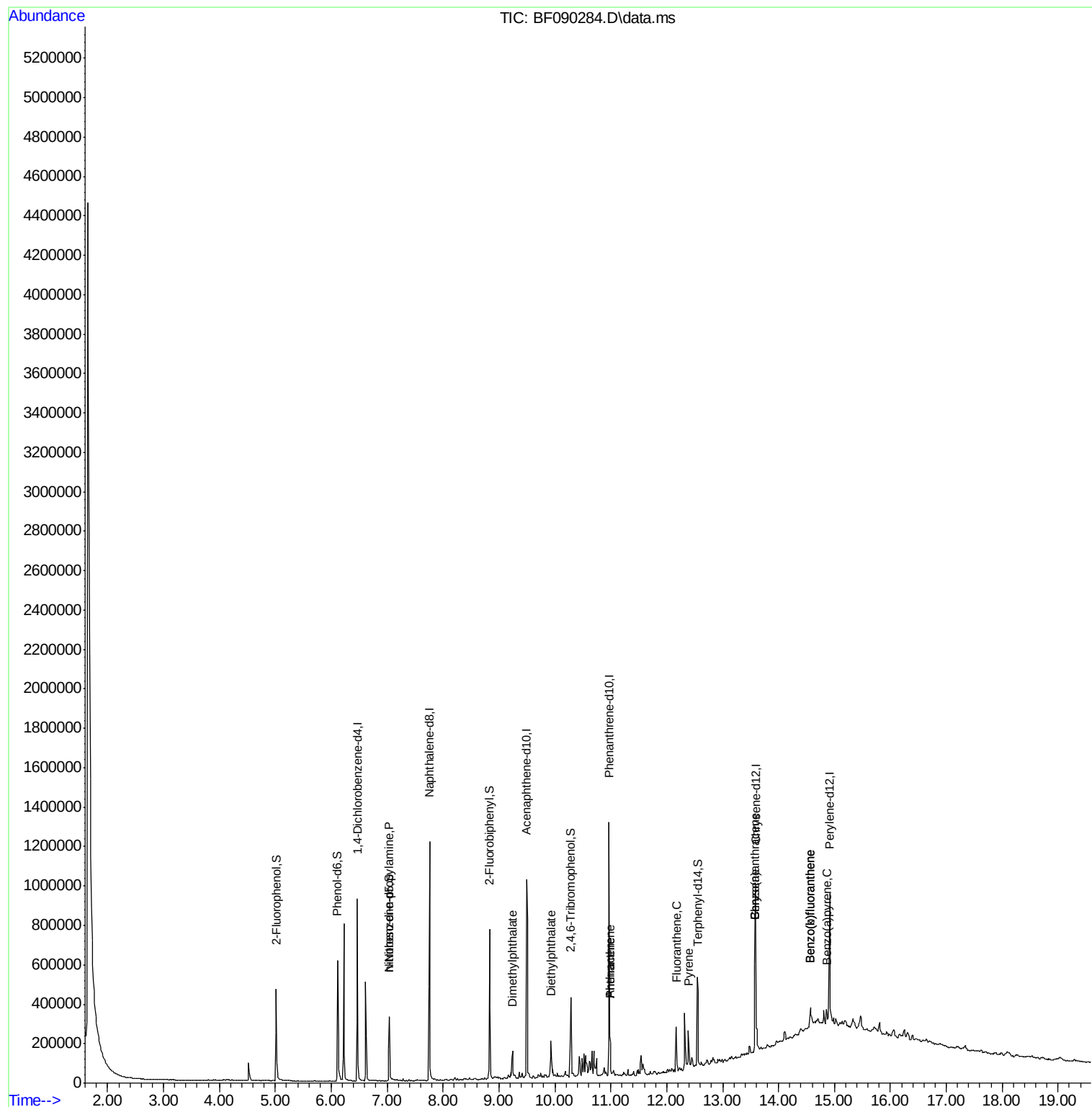
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.467	152	165555	20.00	ng	-0.01
21) Naphthalene-d8	7.759	136	644203	20.00	ng	-0.01
38) Acenaphthene-d10	9.496	164	316994	20.00	ng	-0.01
63) Phenanthrene-d10	10.971	188	457160	20.00	ng	-0.01
75) Chrysene-d12	13.588	240	328990	20.00	ng	-0.01
86) Perylene-d12	14.914	264	303632	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.016	112	205954	20.28	ng	-0.01
7) Phenol-d6	6.113	99	285195	22.74	ng	-0.02
23) Nitrobenzene-d5	7.039	82	160037	14.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.285	330	57408	21.11	ng	-0.01
44) 2-Fluorobiphenyl	8.833	172	300122	18.59	ng	-0.02
78) Terphenyl-d14	12.559	244	204727	15.80	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.039	70	16269	2.21	ng	Qvalue # 82
49) Dimethylphthalate	9.245	163	87464	4.33	ng	100
59) Diethylphthalate	9.931	149	119536	6.13	ng	97
70) Phenanthrene	10.993	178	54361	2.54	ng	99
71) Anthracene	10.993	178	54361	2.42	ng	99
74) Fluoranthene	12.171	202	90835	3.96	ng	95
77) Pyrene	12.388	202	81711	3.63	ng	95
80) Benzo(a)anthracene	13.577	228	44808	2.53	ng	# 90
82) Chrysene	13.577	228	44808	2.60	ng	94
87) Benzo(b)fluoranthene	14.571	252	61266	3.64	ng	93
88) Benzo(k)fluoranthene	14.571	252	61266	3.88	ng	# 87
89) Benzo(a)pyrene	14.857	252	32149	2.03	ng	# 87

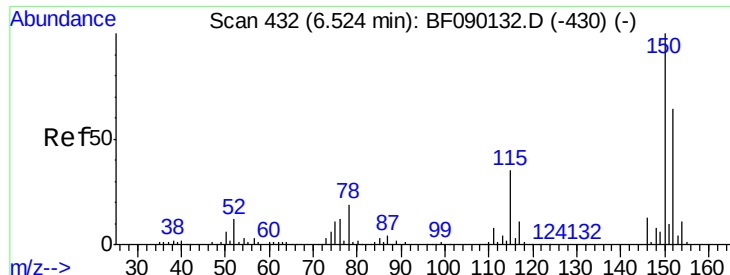
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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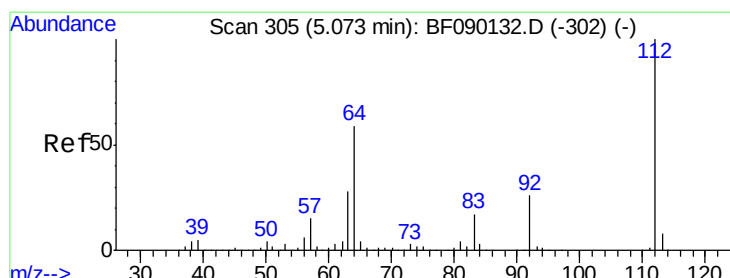
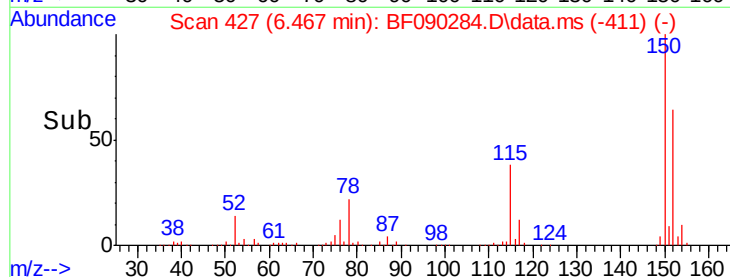
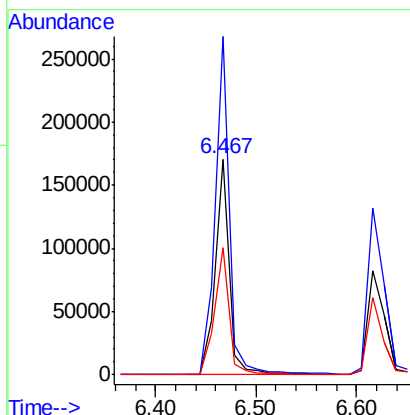
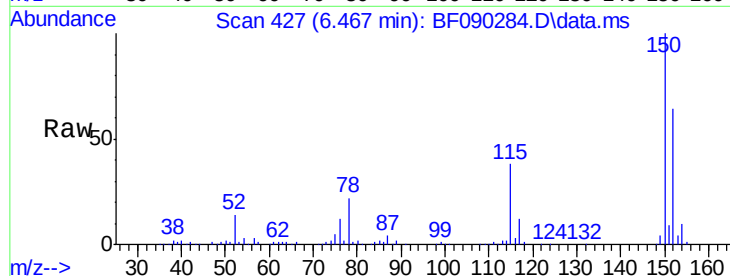




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.467 min Scan# 42
 Delta R.T. -0.011 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

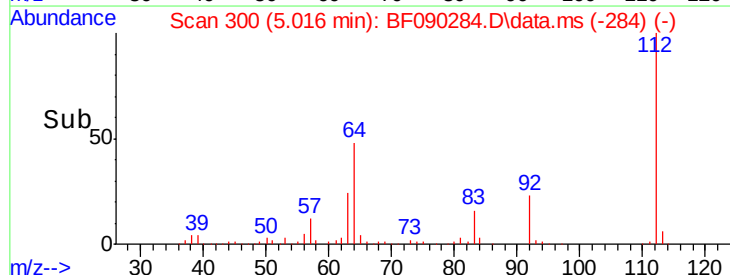
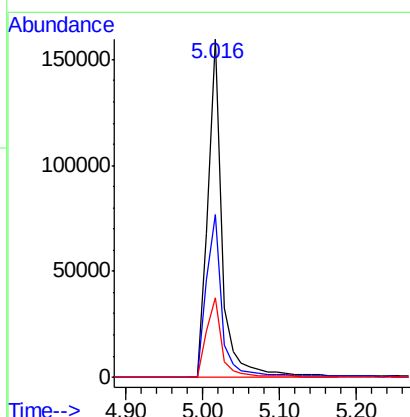
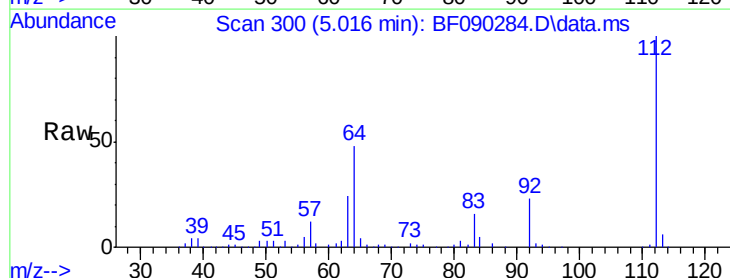
Instrument :
 BNA_F
 ClientSampled :

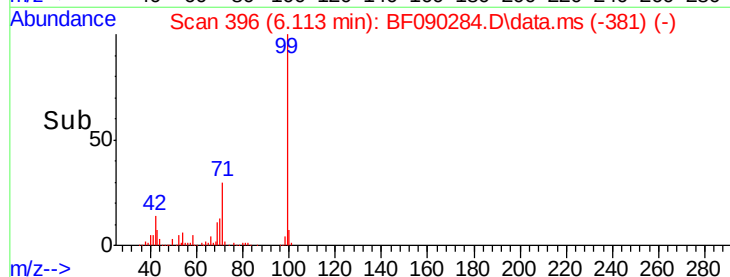
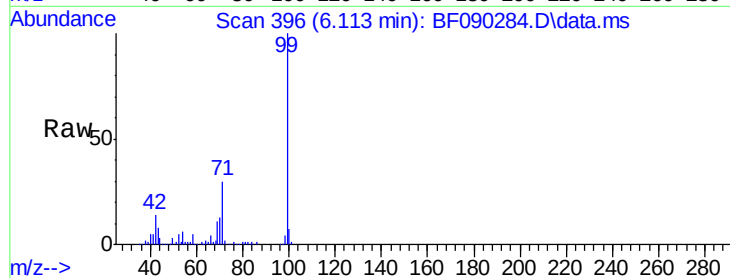
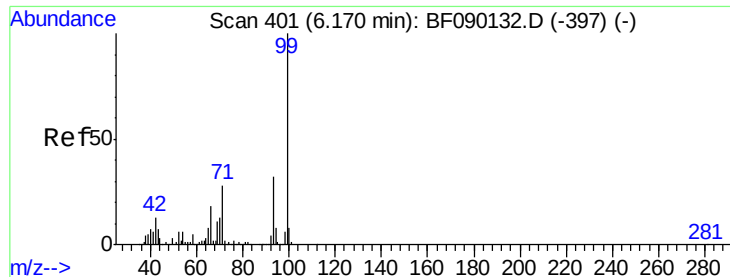
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	128.9	193.3
115	58.9	55.5	83.3



#5
 2-Fluorophenol
 Concen: 20.28 ng
 RT: 5.016 min Scan# 300
 Delta R.T. -0.011 min
 Lab File: BF090284.D
 Acq: 28 Sep 2016 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.0	39.8	59.6
63	23.6	18.9	28.3





#7

Phenol-d6

Concen: 22.74 ng

RT: 6.113 min Scan# 39

Delta R.T. -0.023 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :

BNA_F

ClientSampleId :

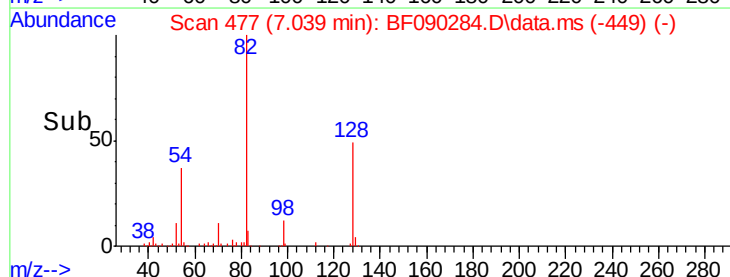
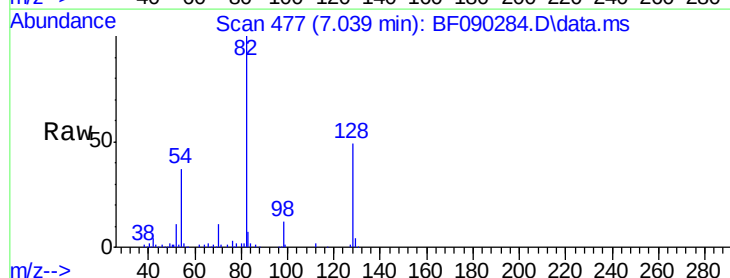
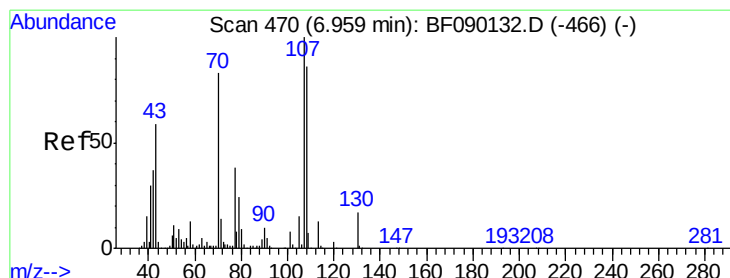
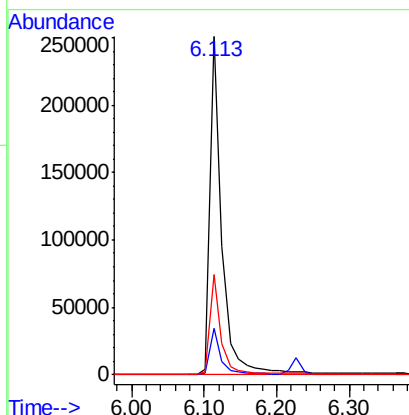
Tot Ion: 99 Resp: 285195

Ion Ratio Lower Upper

99 100

42 13.5 10.6 15.8

71 29.6 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 2.21 ng

RT: 7.039 min Scan# 477

Delta R.T. 0.126 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Tgt Ion: 70 Resp: 16269

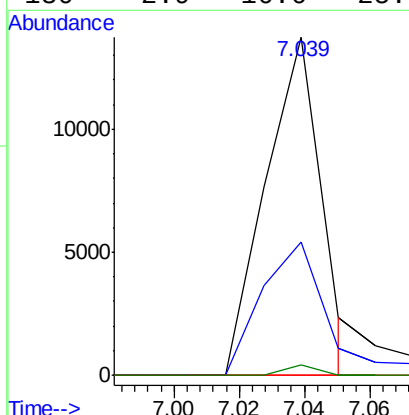
Ion Ratio Lower Upper

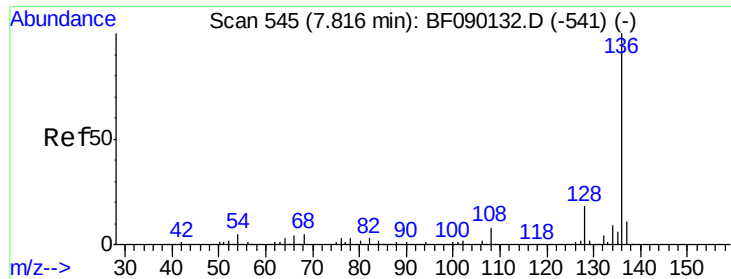
70 100

42 39.5 35.1 52.7

101 0.0 7.5 11.3#

130 2.9 16.6 25.0#

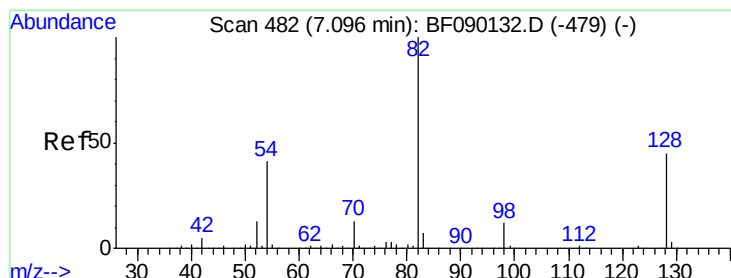
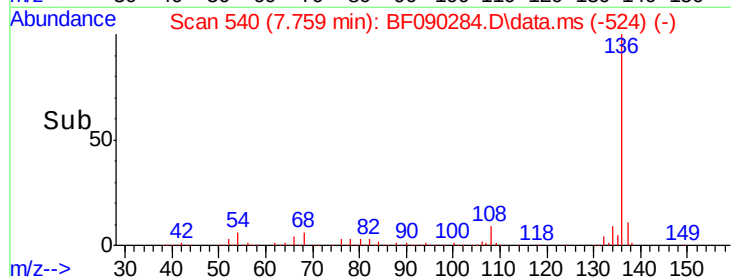
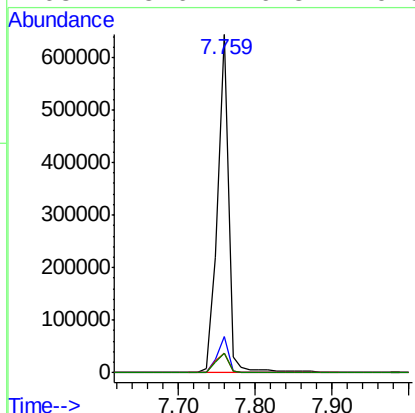
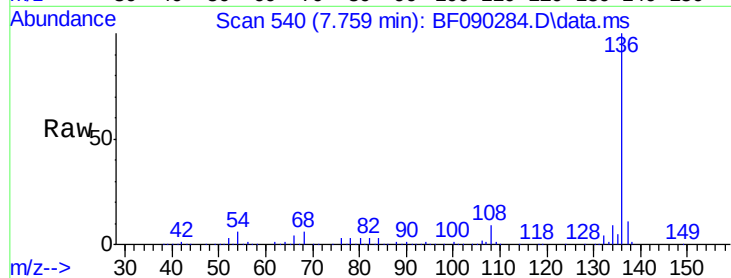




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.759 min Scan# 54
Delta R.T. -0.011 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

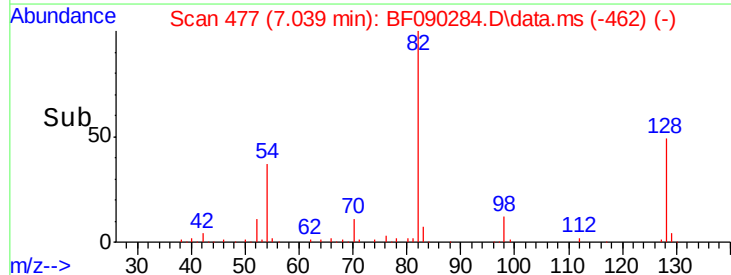
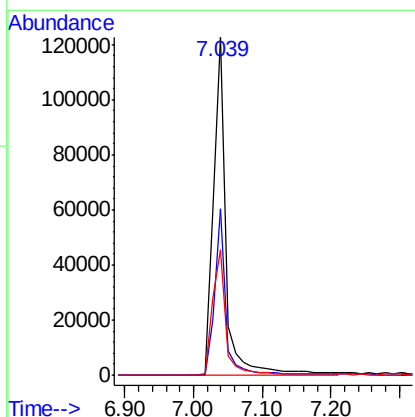
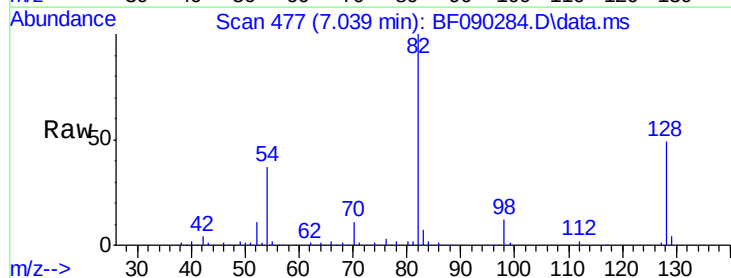
Instrument :
BNA_F
ClientSampleId :

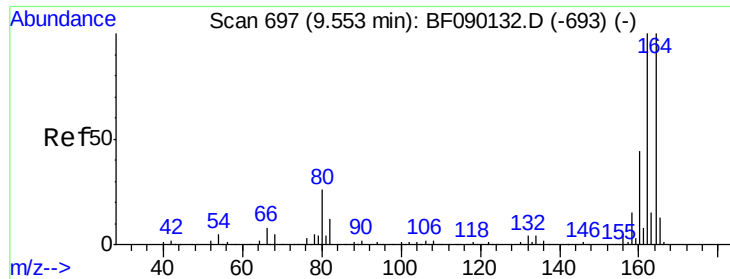
Tot Ion:136	Resp:	644203
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.0 13.4
54	5.7	6.4 9.6#
68	5.6	6.3 9.5#



#23
Nitrobenzene-d5
Concen: 14.40 ng
RT: 7.039 min Scan# 477
Delta R.T. -0.023 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion: 82	Resp:	160037
Ion Ratio	Lower	Upper
82	100	
128	49.2	37.5 56.3
54	37.1	31.9 47.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.496 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :

BNA_F

ClientSampleId :

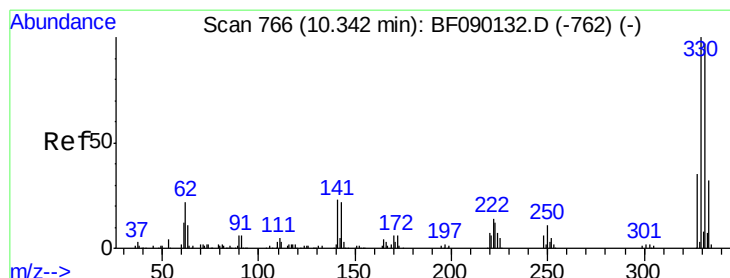
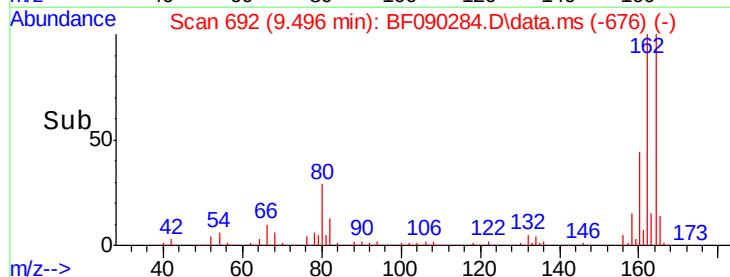
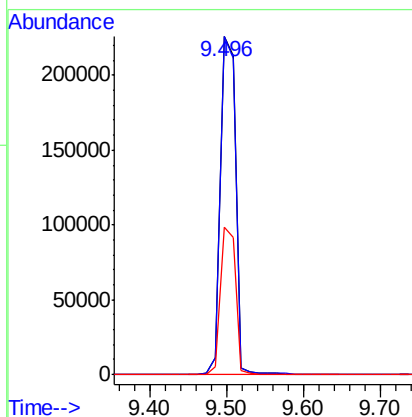
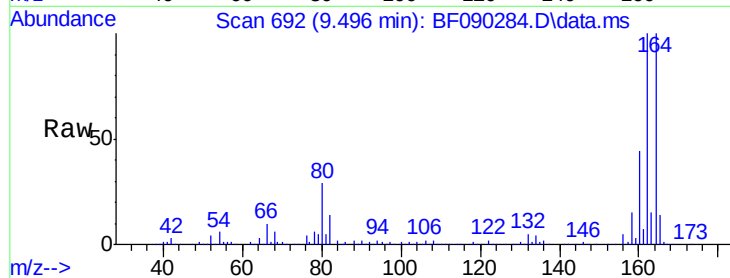
Tot Ion:164 Resp: 316994

Ion Ratio Lower Upper

164 100

162 99.9 81.4 122.2

160 43.7 36.6 54.8



#41

2,4,6-Tribromophenol

Concen: 21.11 ng

RT: 10.285 min Scan# 761

Delta R.T. -0.011 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

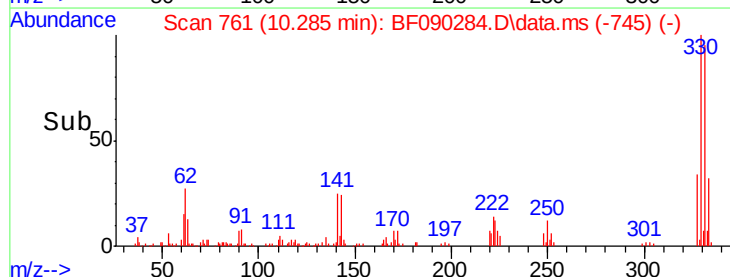
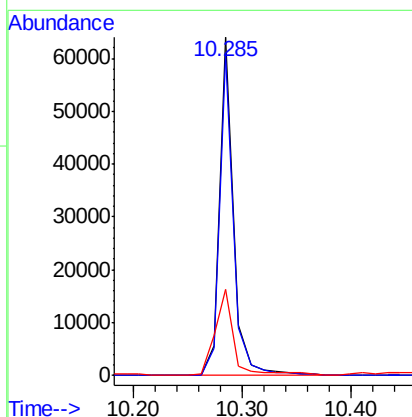
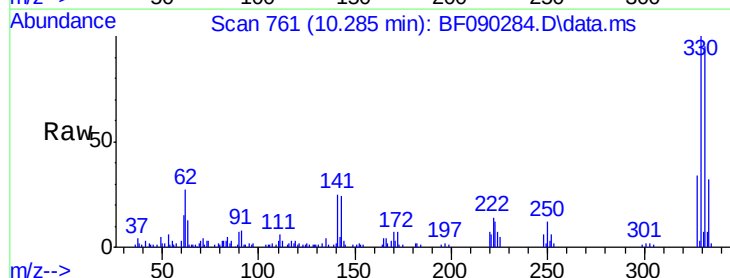
Tgt Ion:330 Resp: 57408

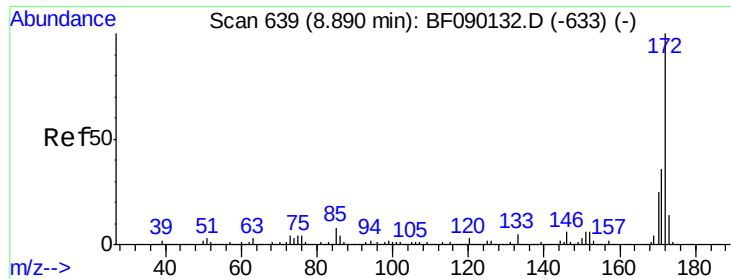
Ion Ratio Lower Upper

330 100

332 94.8 78.1 117.1

141 34.6 23.9 35.9

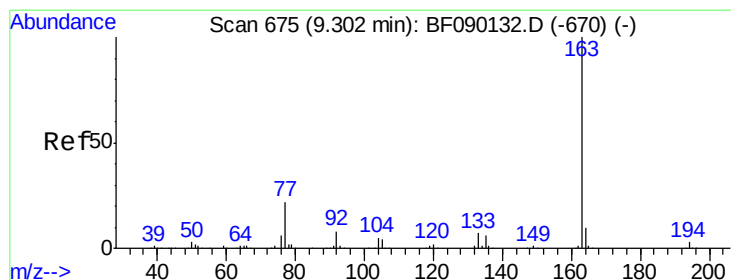
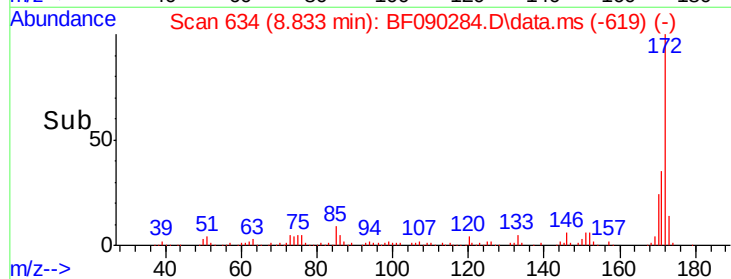
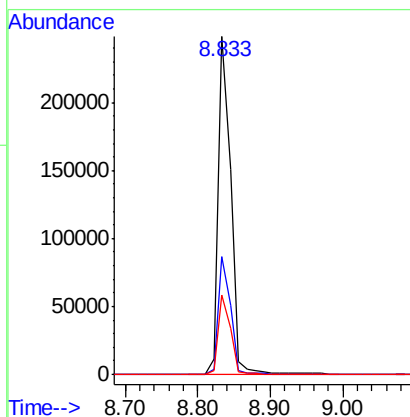
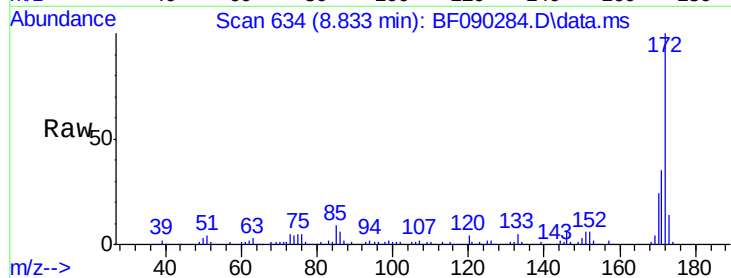




#44
2-Fluorobiphenyl
Concen: 18.59 ng
RT: 8.833 min Scan# 63
Delta R.T. -0.023 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

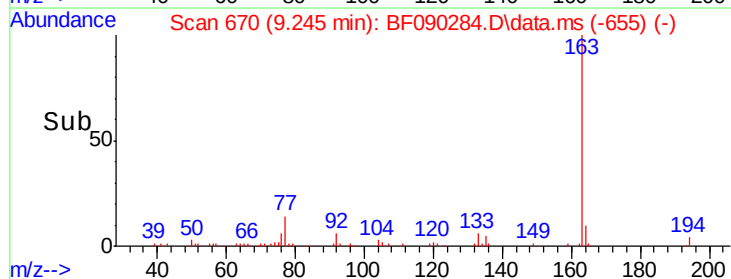
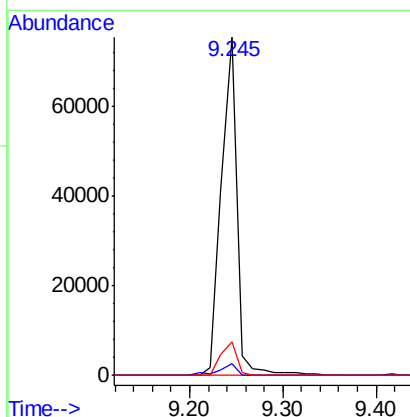
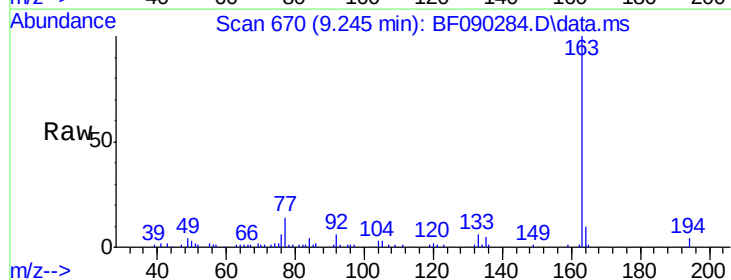
Instrument :
BNA_F
ClientSampleId :

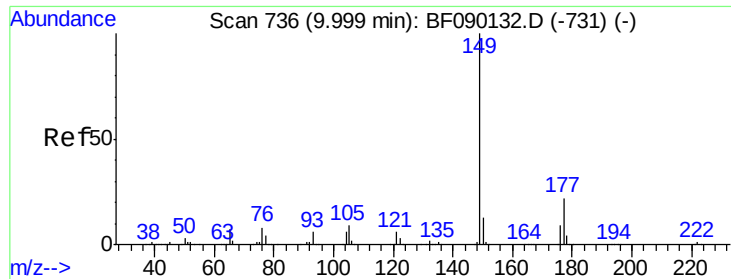
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.2	43.8
170	23.6	19.8	29.8



#49
Dimethylphthalate
Concen: 4.33 ng
RT: 9.245 min Scan# 670
Delta R.T. -0.023 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.0	8.1	12.1

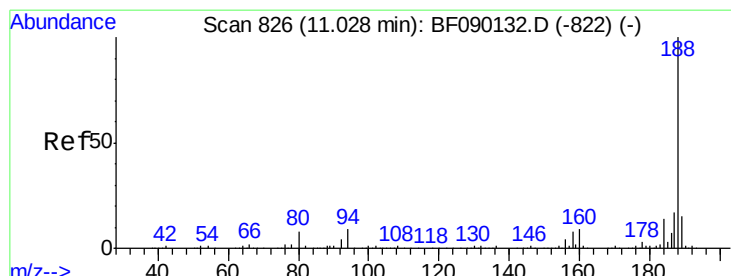
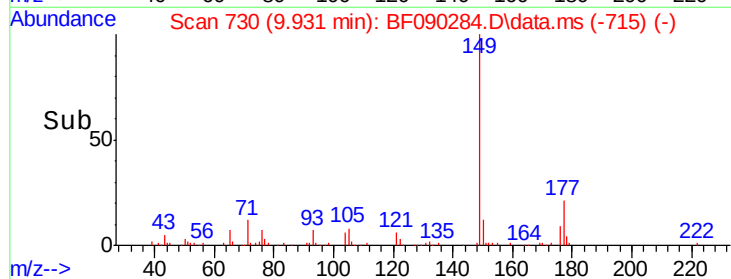
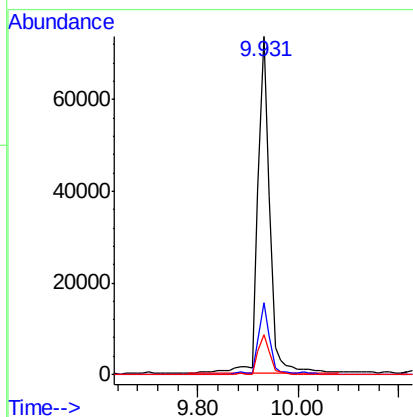
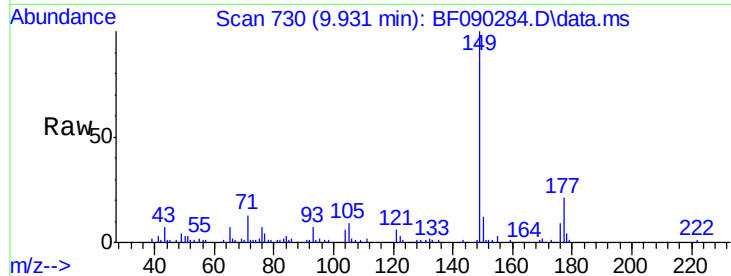




#59
Diethylphthalate
Concen: 6.13 ng
RT: 9.931 min Scan# 73
Delta R.T. -0.023 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

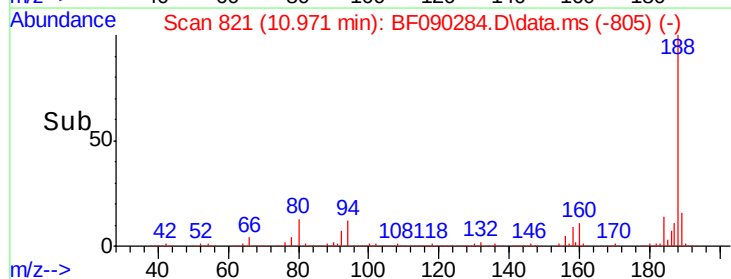
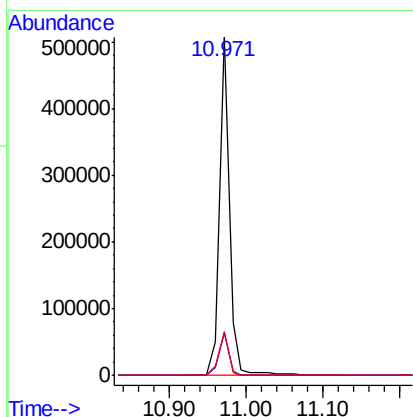
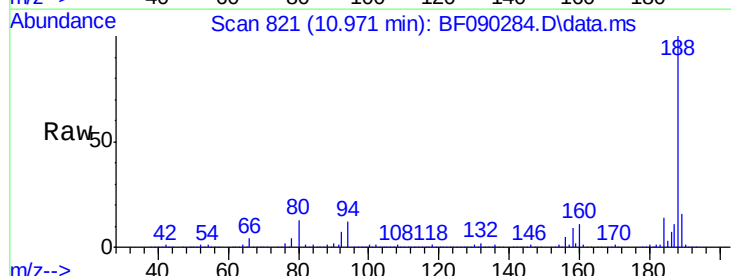
Instrument :
BNA_F
ClientSampleId :

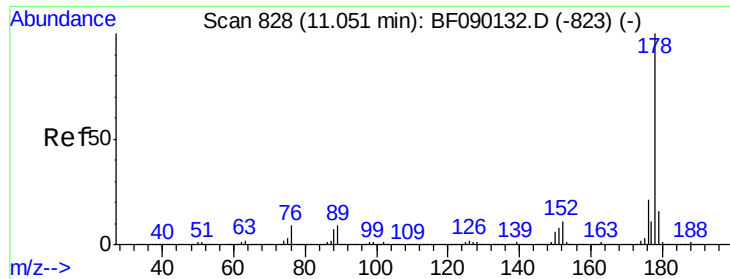
Tot Ion	Ratio	Lower	Upper
149	100		
177	21.2	15.8	23.6
150	11.9	10.4	15.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.971 min Scan# 821
Delta R.T. -0.011 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	10.5	15.7
80	12.8	11.2	16.8





#70

Phenanthrene

Concen: 2.54 ng

RT: 10.993 min Scan# 82

Delta R.T. -0.011 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :

BNA_F

ClientSampleId :

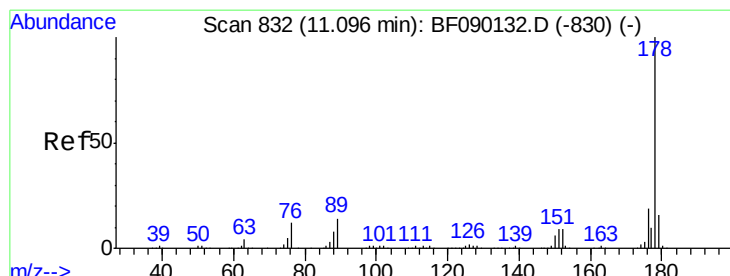
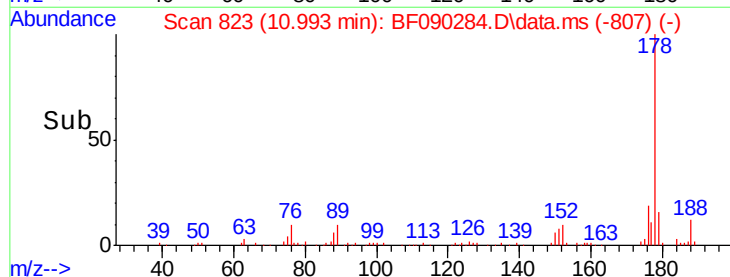
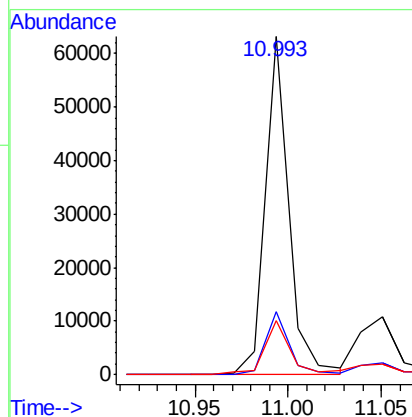
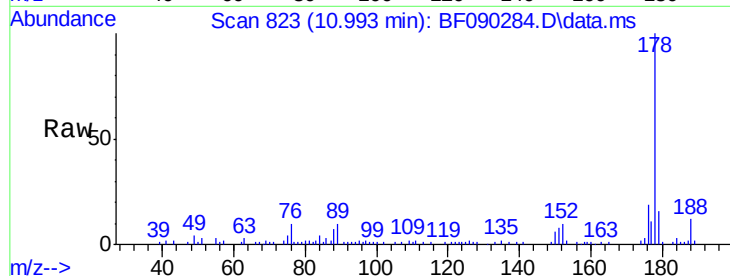
Tot Ion:178 Resp: 54361

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

179 16.0 12.9 19.3



#71

Anthracene

Concen: 2.42 ng

RT: 10.993 min Scan# 823

Delta R.T. -0.069 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

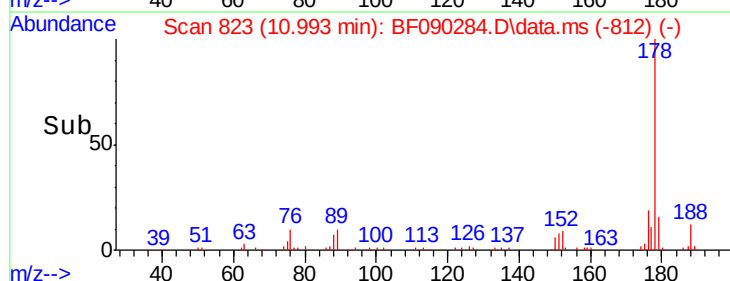
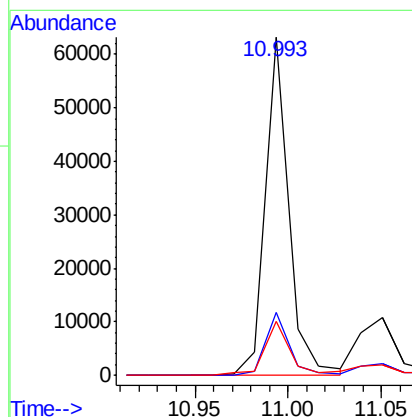
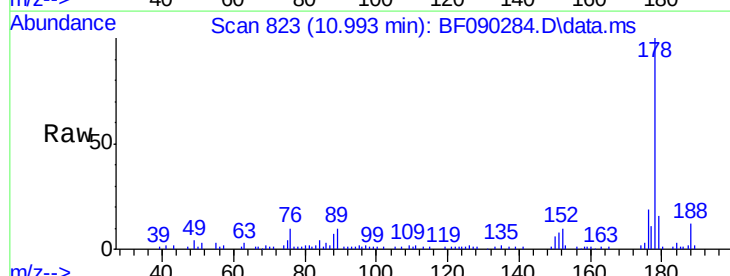
Tgt Ion:178 Resp: 54361

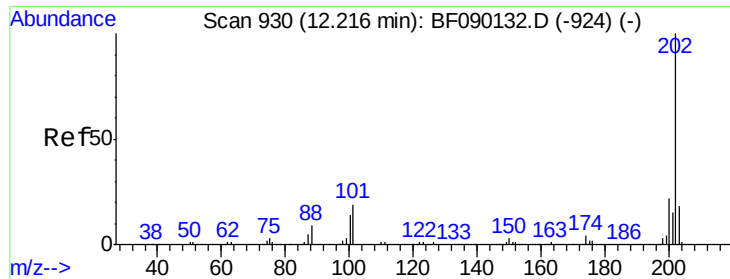
Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.6

179 16.0 12.6 19.0

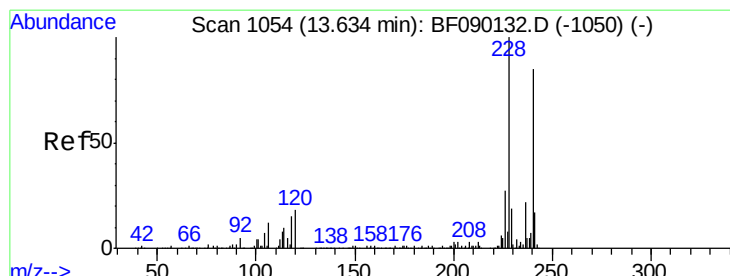
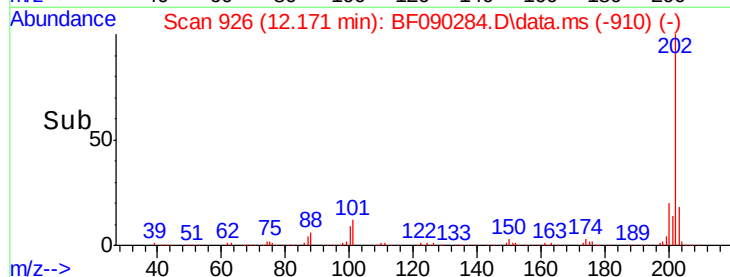
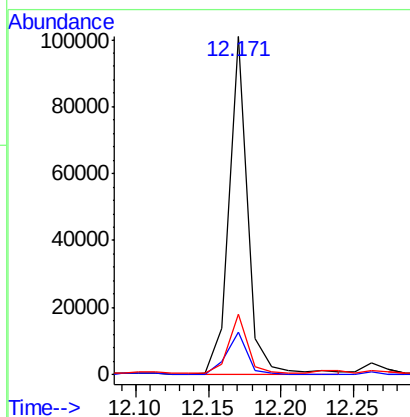
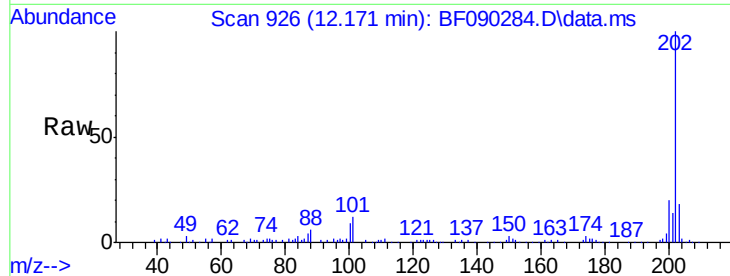




#74
Fluoranthene
Concen: 3.96 ng
RT: 12.171 min Scan# 92
Delta R.T. -0.011 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

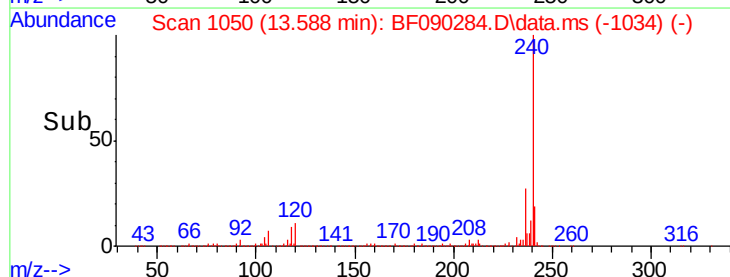
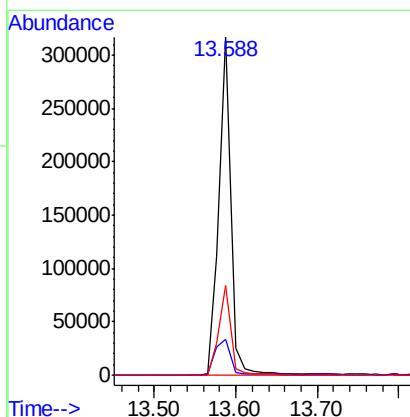
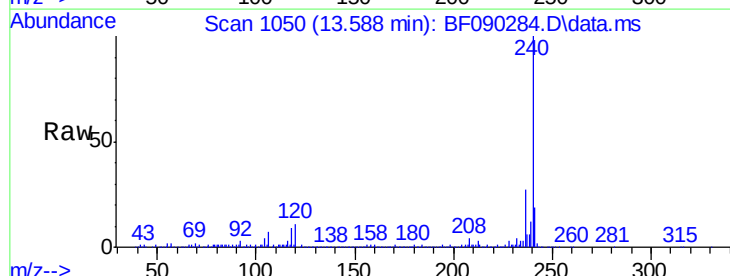
Instrument :
BNA_F
ClientSampleId :

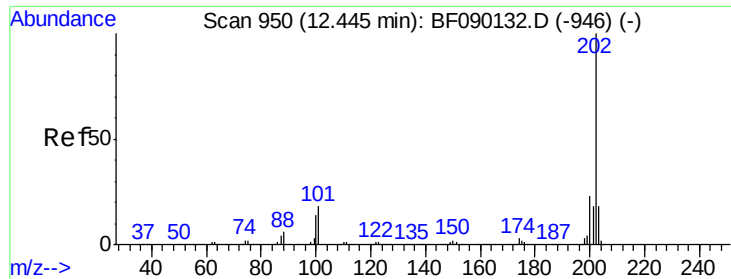
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	36.1
203	17.8	0.0	38.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.588 min Scan# 1050
Delta R.T. -0.011 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.6	16.0
236	26.5	21.6	32.4

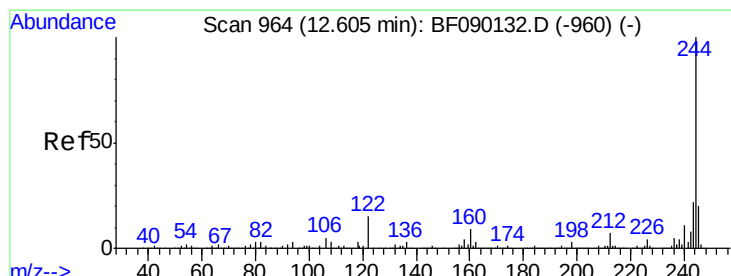
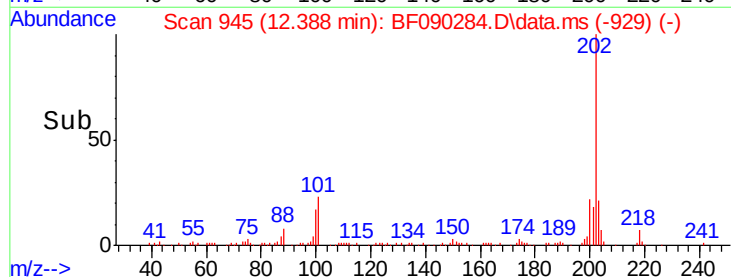
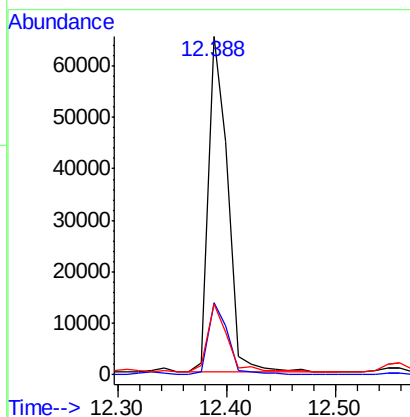
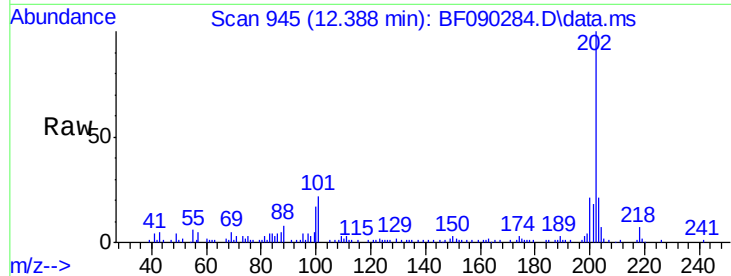




#77
Pvrene
Concen: 3.63 ng
RT: 12.388 min Scan# 94
Delta R.T. -0.011 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

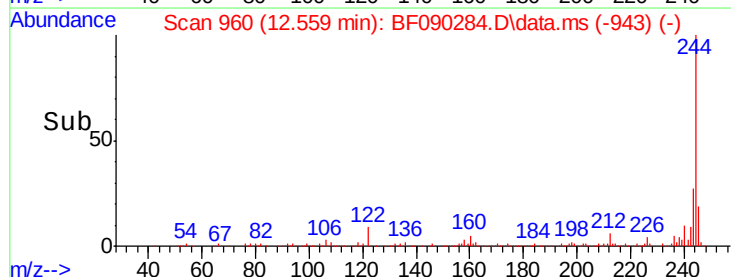
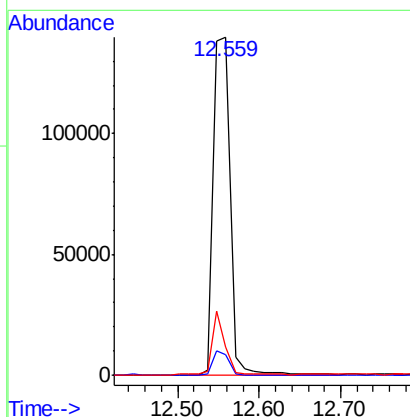
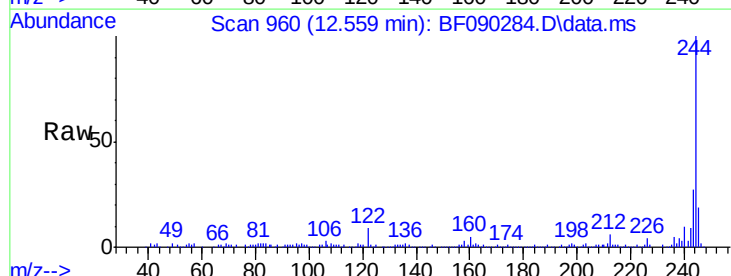
Instrument :
BNA_F
ClientSampleId :

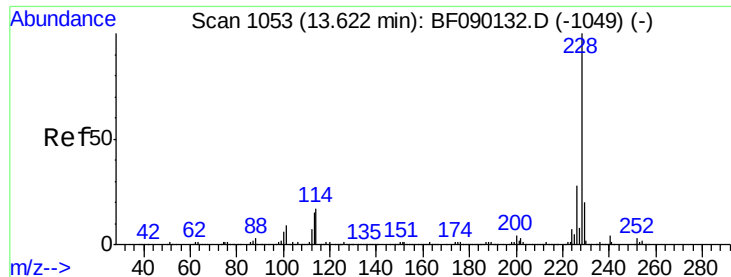
Tot Ion:202 Resp: 81711
Ion Ratio Lower Upper
202 100
200 21.1 17.9 26.9
203 20.8 14.2 21.4



#78
Terphenyl-d14
Concen: 15.80 ng
RT: 12.559 min Scan# 960
Delta R.T. -0.000 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion:244 Resp: 204727
Ion Ratio Lower Upper
244 100
212 6.1 5.8 8.8
122 8.5 9.4 14.0#

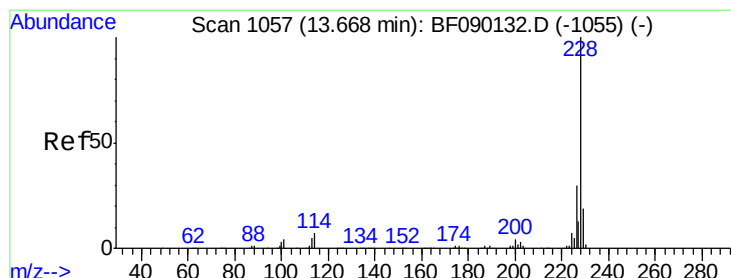
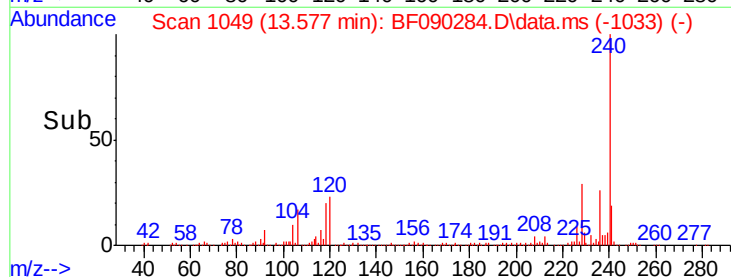
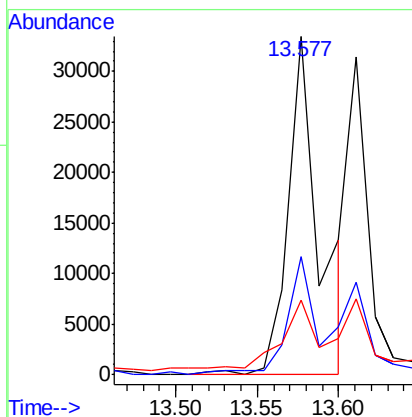
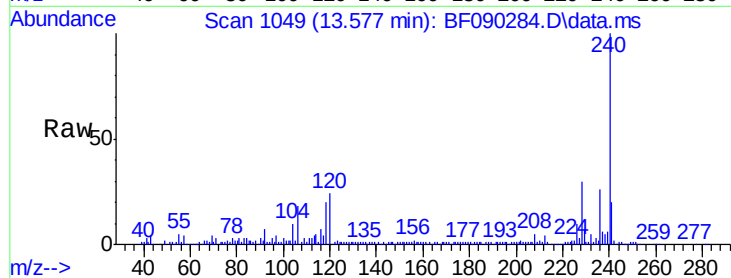




#80
Benzo(a)anthracene
Concen: 2.53 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

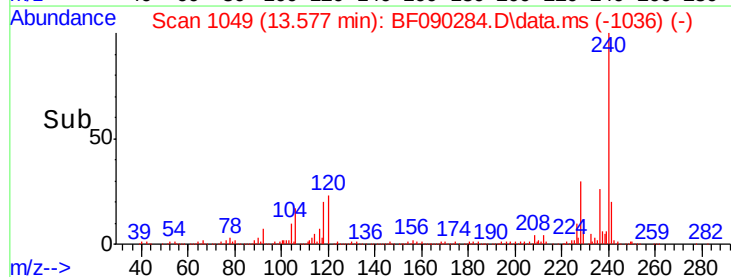
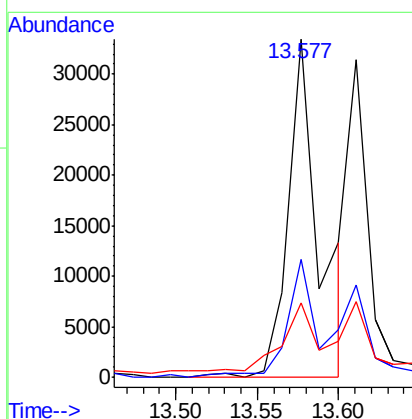
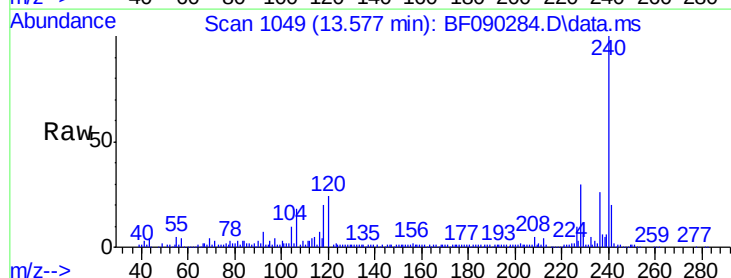
Instrument :
BNA_F
ClientSampleId :

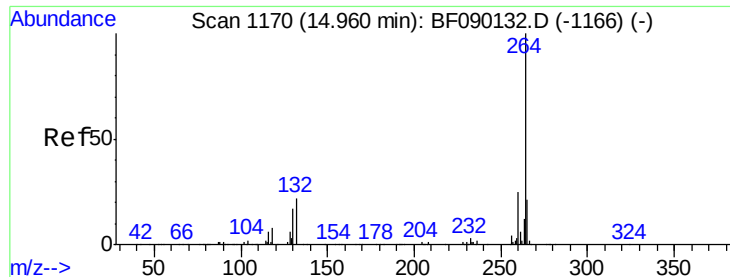
Tot Ion:228 Resp: 44808
Ion Ratio Lower Upper
228 100
226 35.0 22.0 33.0#
229 22.1 16.2 24.2



#82
Chrysene
Concen: 2.60 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.046 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion:228 Resp: 44808
Ion Ratio Lower Upper
228 100
226 35.0 24.6 37.0
229 22.1 16.2 24.4

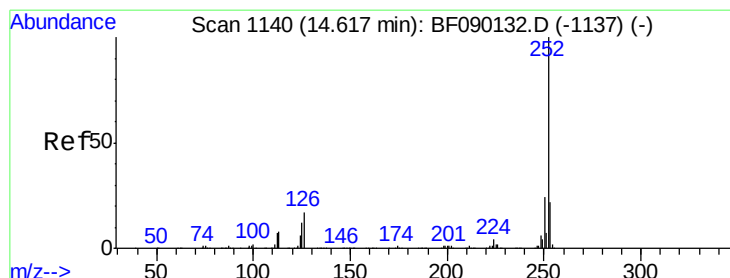
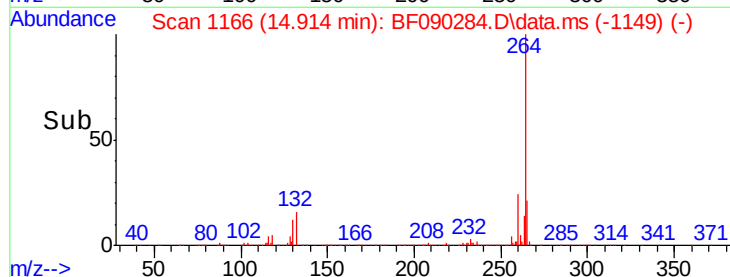
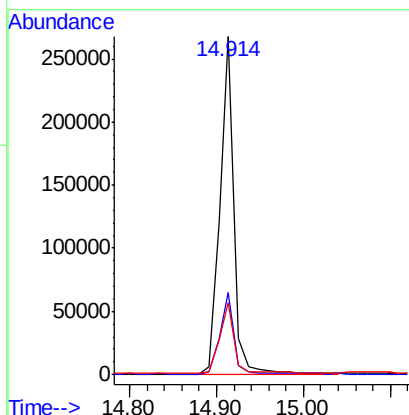
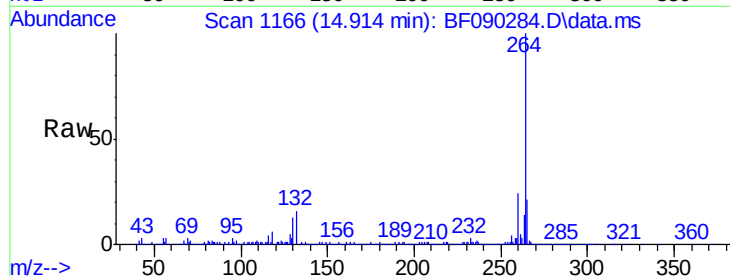




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.914 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

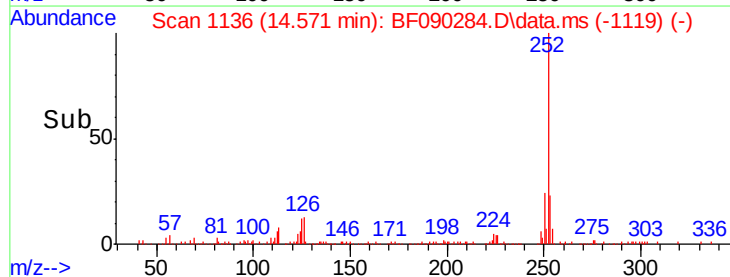
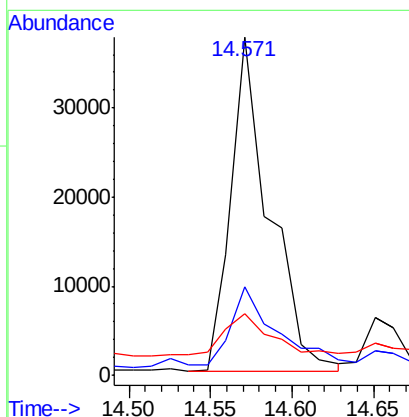
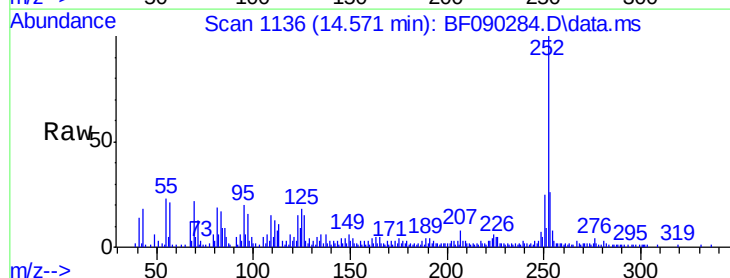
Instrument :
BNA_F
ClientSampleId :

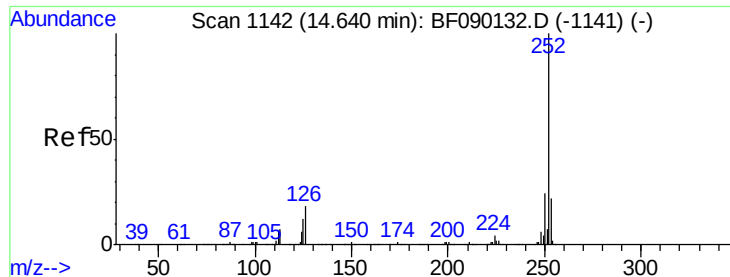
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.4	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 3.64 ng
RT: 14.571 min Scan# 1136
Delta R.T. -0.000 min
Lab File: BF090284.D
Acq: 28 Sep 2016 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	18.4	12.7	19.1





#88

Benzo(k)fluoranthene

Concen: 3.88 ng

RT: 14.571 min Scan# 111

Delta R.T. -0.023 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Instrument :

BNA_F

ClientSampleId :

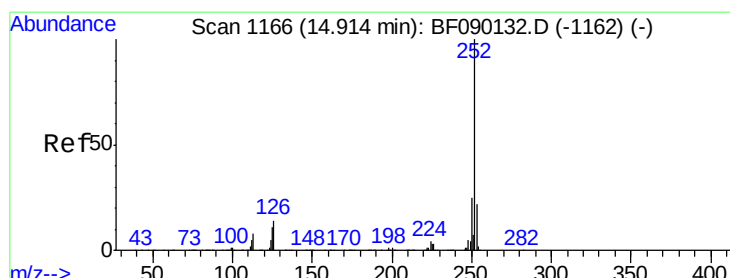
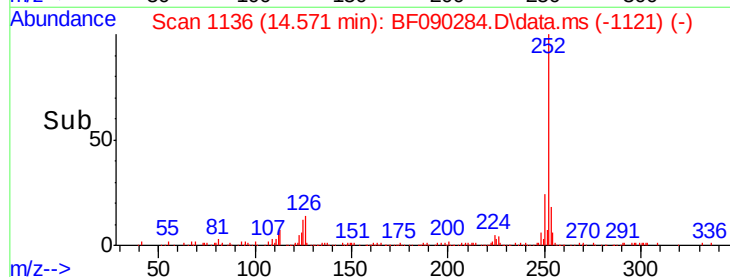
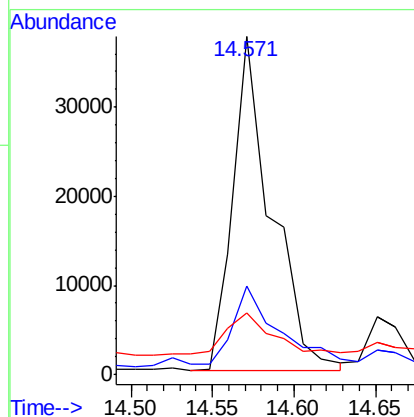
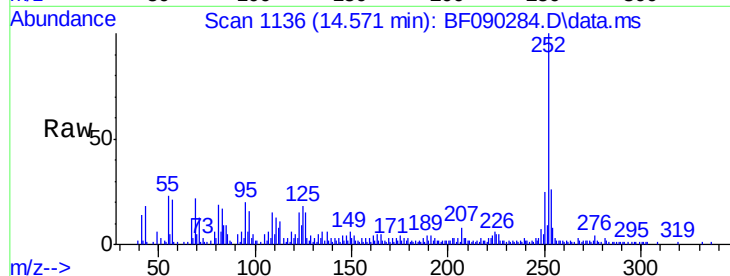
Tot Ion:252 Resp: 61266

Ion Ratio Lower Upper

252 100

253 26.3 17.8 26.8

125 18.4 7.8 11.6#



#89

Benzo(a)pyrene

Concen: 2.03 ng

RT: 14.857 min Scan# 1161

Delta R.T. -0.011 min

Lab File: BF090284.D

Acq: 28 Sep 2016 18:21

Tgt Ion:252 Resp: 32149

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 20.5 7.7 11.5#

