

Data Path : Z:\HPCHEM1\BNA F\Data\BF092916\
 Data File : BF090291.D
 Acq On : 29 Sep 2016 14:20
 Operator : UM/SJ
 Sample : H4982-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 15:48:45 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	6.456	152	136477	20.00	ng	-0.02
21) Naphthalene-d8	7.748	136	525415	20.00	ng	-0.02
38) Acenaphthene-d10	9.496	164	278745	20.00	ng	-0.01
63) Phenanthrene-d10	10.971	188	358698	20.00	ng	-0.01
75) Chrysene-d12	13.577	240	262361	20.00	ng	-0.02
86) Perylene-d12	14.903	264	221567	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.027	112	1167830	139.48	ng	0.00
7) Phenol-d6	6.125	99	1409877	136.35	ng	-0.01
23) Nitrobenzene-d5	7.039	82	981467	108.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.285	330	287324	120.15	ng	-0.01
44) 2-Fluorobiphenyl	8.833	172	1283244	90.38	ng	-0.02
78) Terphenyl-d14	12.559	244	935292	90.51	ng	0.00

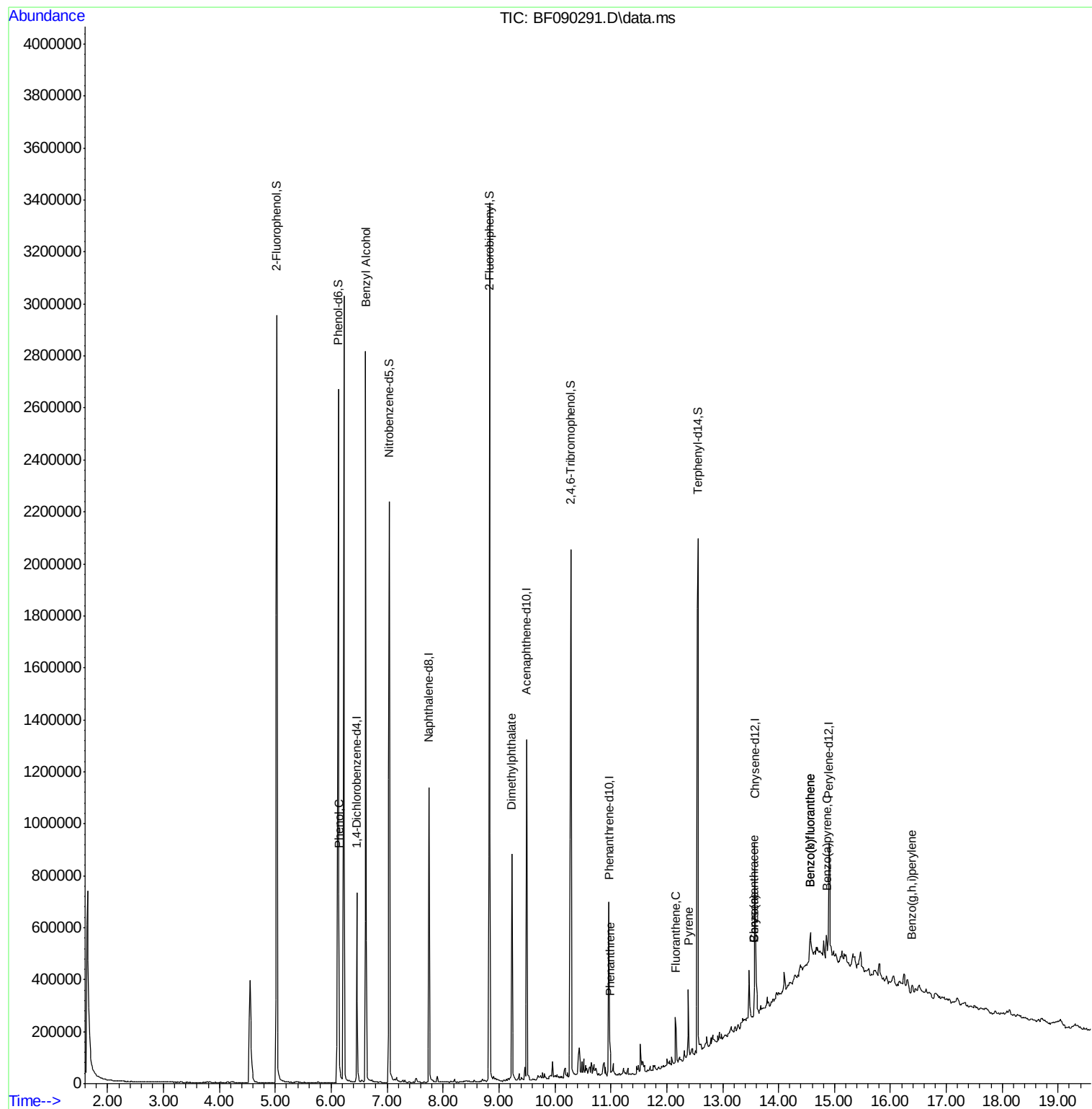
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.136	94	30356	2.48	ng	85
15) Benzyl Alcohol	6.616	79	13952	2.26	ng	# 50
49) Dimethylphthalate	9.233	163	374034	21.07	ng	99
70) Phenanthrene	10.982	178	55542	3.31	ng	99
74) Fluoranthene	12.159	202	99858	5.55	ng	95
77) Pyrene	12.388	202	105261	5.86	ng	97
80) Benzo(a)anthracene	13.565	228	48602	3.44	ng	# 87
82) Chrysene	13.565	228	48602	3.53	ng	# 92
87) Benzo(b)fluoranthene	14.571	252	68466	5.58	ng	# 90
88) Benzo(k)fluoranthene	14.571	252	68466	5.95	ng	# 84
89) Benzo(a)pyrene	14.857	252	34852	3.02	ng	# 85
91) Benzo(a,h,i)perylene	16.388	276	21732	2.47	ng	# 89

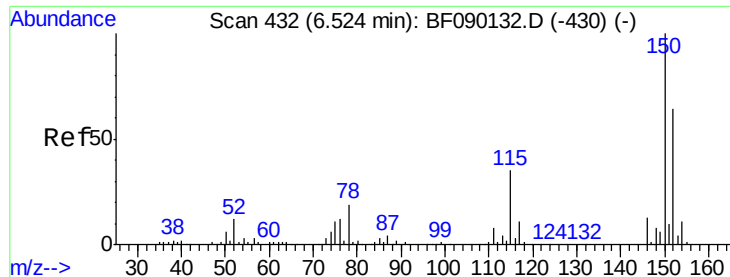
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.456 min Scan# 42

Delta R.T. -0.023 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

Instrument :

BNA_F

ClientSampleId :

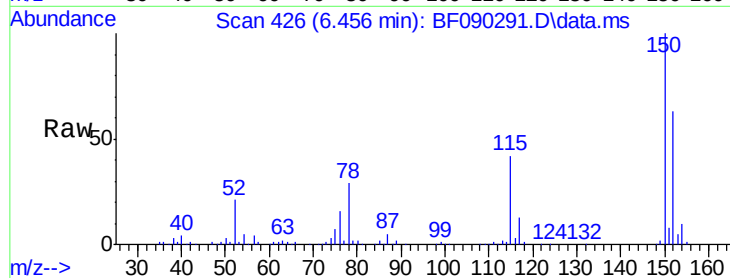
Tot Ion:152 Resp: 136477

Ion Ratio Lower Upper

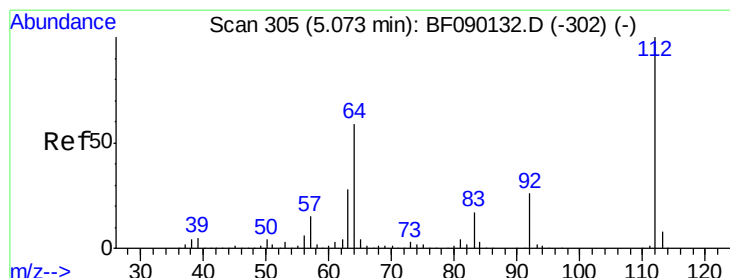
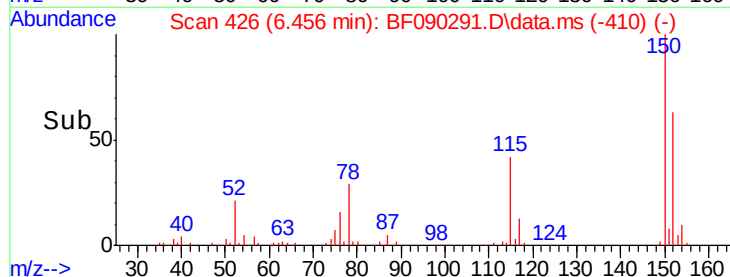
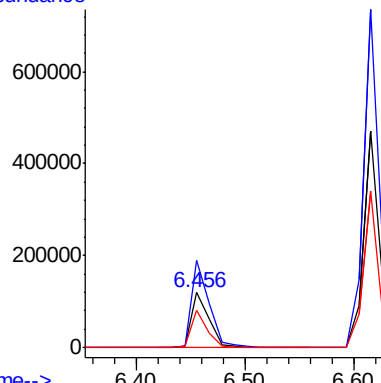
152 100

150 158.9 128.9 193.3

115 67.2 55.5 83.3



Abundance



#5

2-Fluorophenol

Concen: 139.48 ng

RT: 5.027 min Scan# 301

Delta R.T. 0.000 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

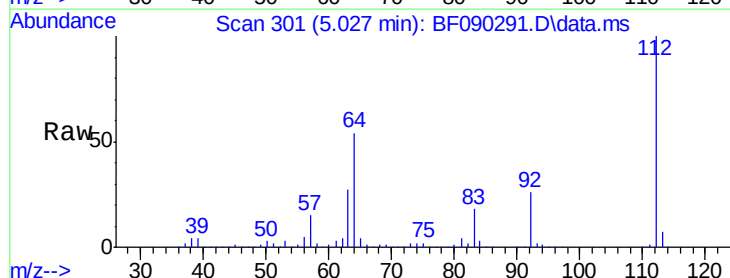
Tgt Ion:112 Resp: 1167830

Ion Ratio Lower Upper

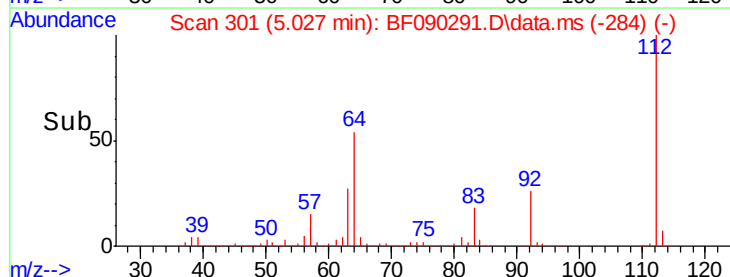
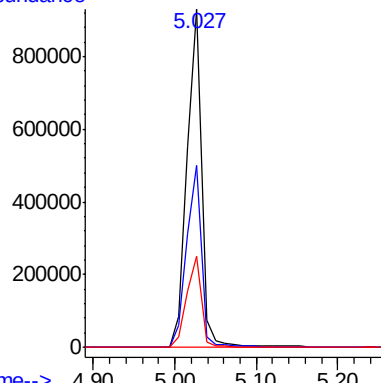
112 100

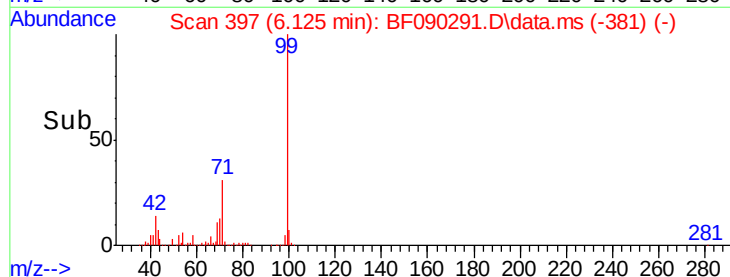
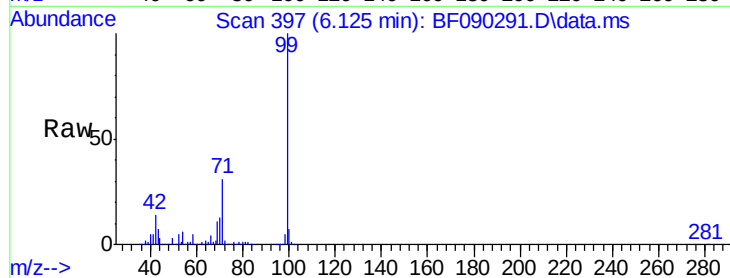
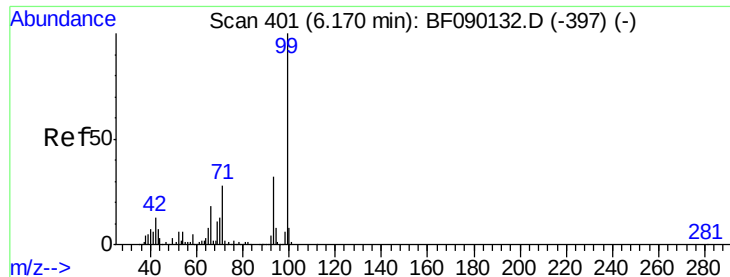
64 53.8 39.8 59.6

63 26.9 18.9 28.3



Abundance



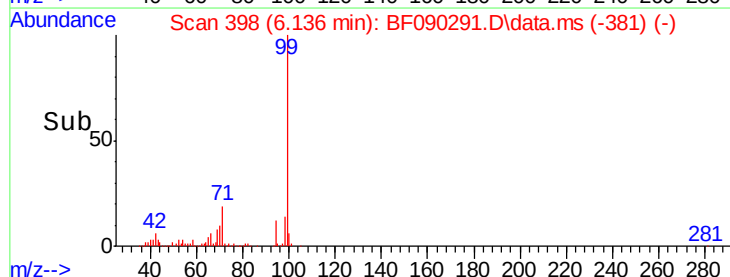
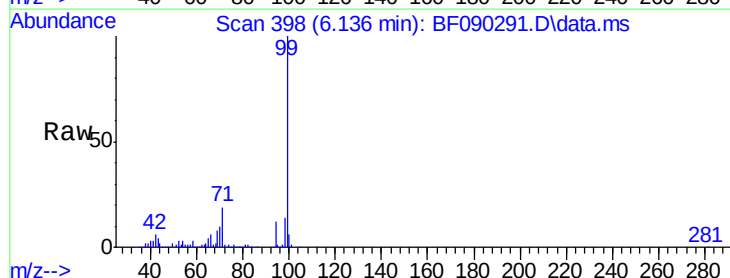
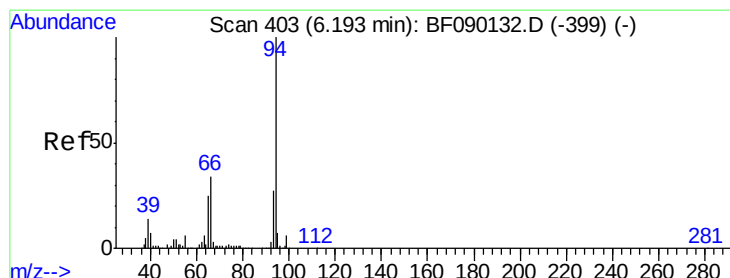
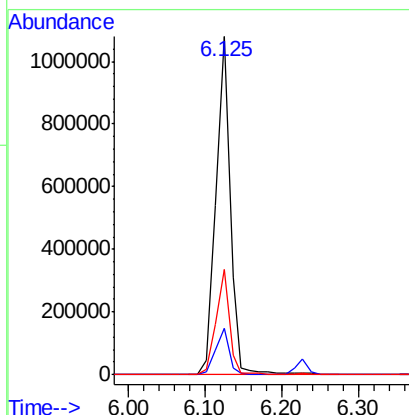


#7
Phenol-d6
Concen: 136.35 ng
RT: 6.125 min Scan# 397
Delta R.T. -0.011 min
Lab File: BF090291.D
Acq: 29 Sep 2016 14:20

Tot Ion: 99 Resp: 1409877

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	15.8
71	31.1	23.0	34.6

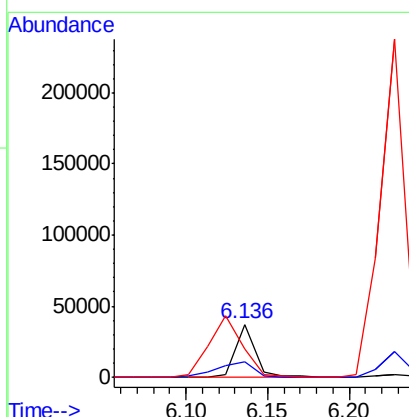
Instrument :
BNA_F
ClientSampleId :

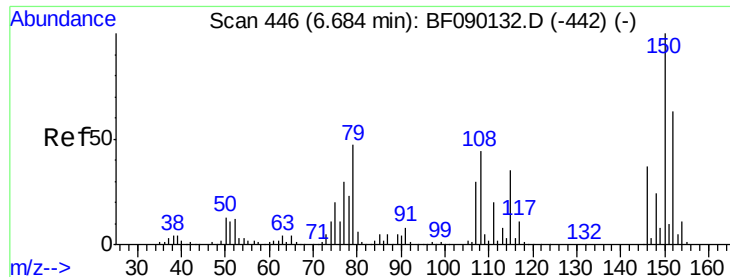


#10
Phenol
Concen: 2.48 ng
RT: 6.136 min Scan# 398
Delta R.T. -0.011 min
Lab File: BF090291.D
Acq: 29 Sep 2016 14:20

Tgt Ion: 94 Resp: 30356

Ion	Ratio	Lower	Upper
94	100		
65	29.7	20.6	60.6
66	54.3	45.1	85.1

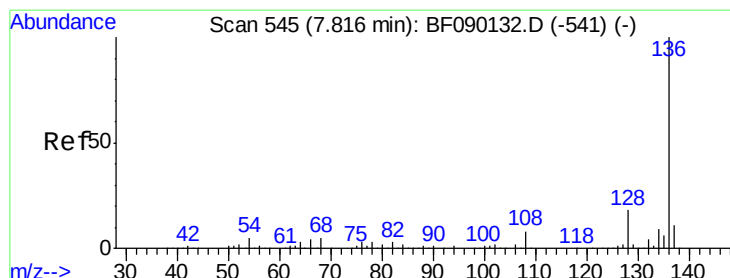
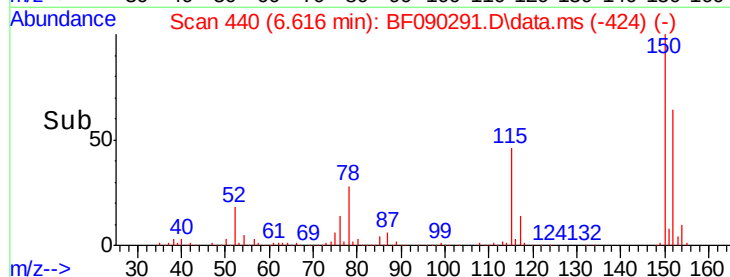
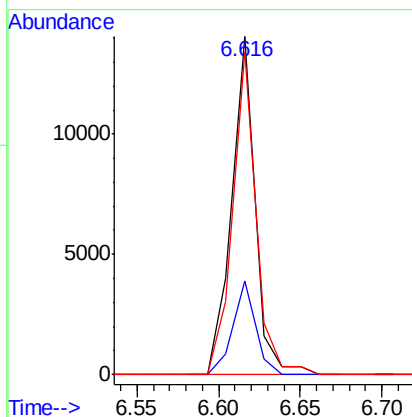
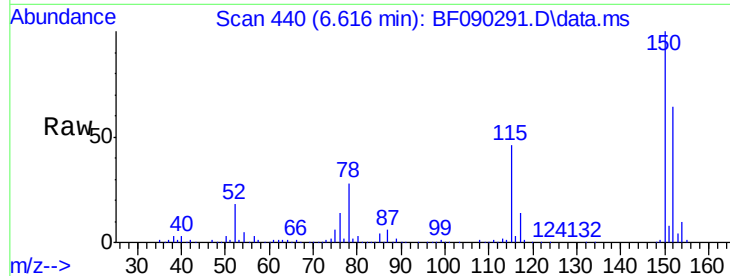




#15
Benzyl Alcohol
Concen: 2.26 ng
RT: 6.616 min Scan# 44
Delta R.T. -0.023 min
Lab File: BF090291.D
Acq: 29 Sep 2016 14:20

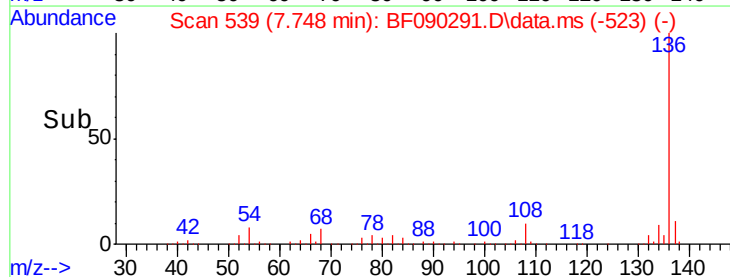
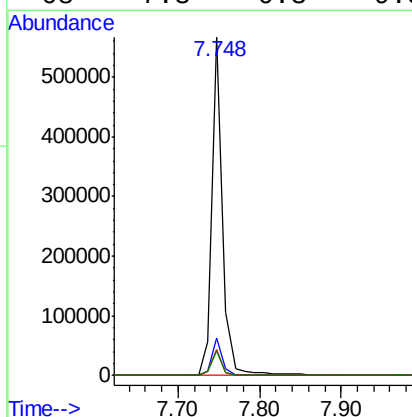
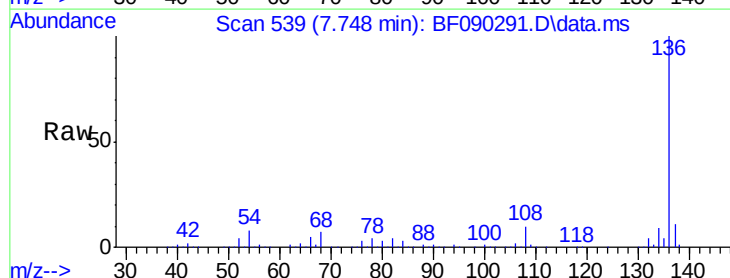
Instrument :
BNA_F
ClientSampled :

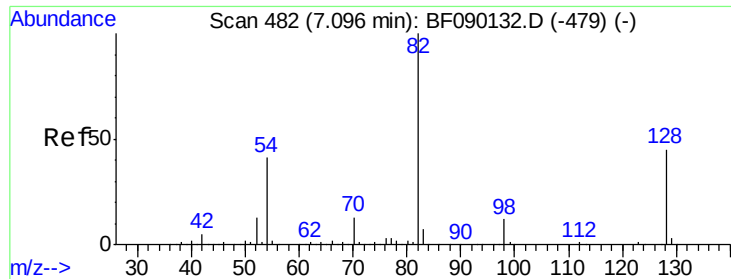
Tot Ion: 79 Resp: 13952
Ion Ratio Lower Upper
79 100
108 27.7 62.2 93.4#
77 95.6 51.4 77.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.748 min Scan# 539
Delta R.T. -0.023 min
Lab File: BF090291.D
Acq: 29 Sep 2016 14:20

Tgt Ion: 136 Resp: 525415
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 7.7 6.4 9.6
68 7.3 6.3 9.5

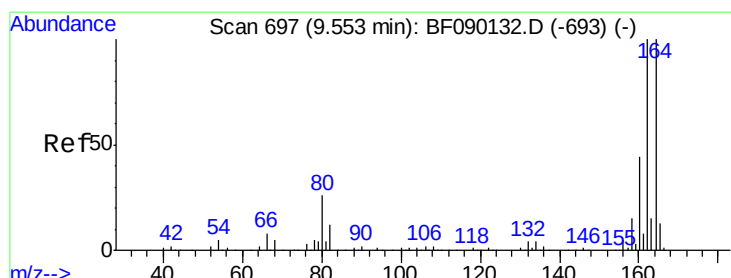
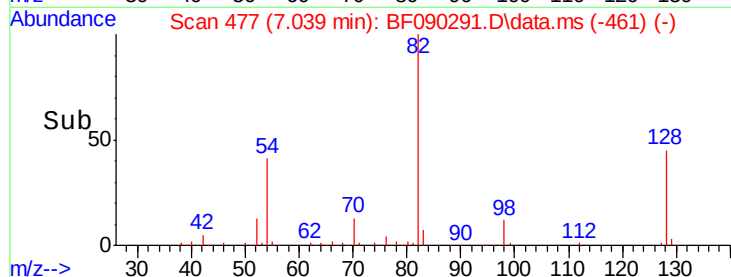
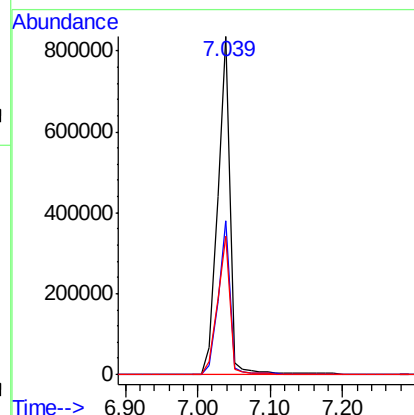
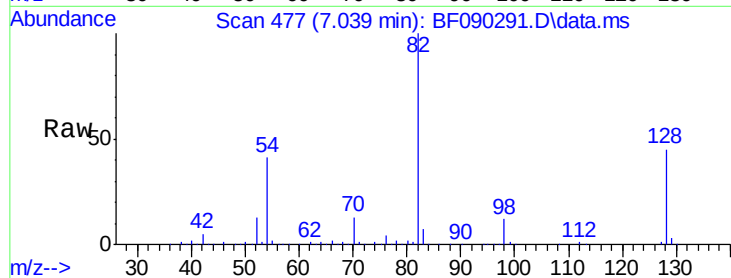




#23
 Nitrobenzene-d5
 Concen: 108.28 ng
 RT: 7.039 min Scan# 47
 Delta R.T. -0.023 min
 Lab File: BF090291.D
 Acq: 29 Sep 2016 14:20

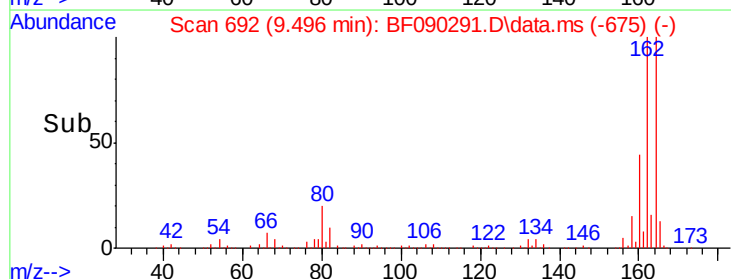
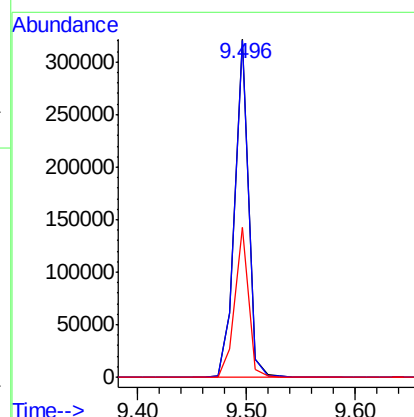
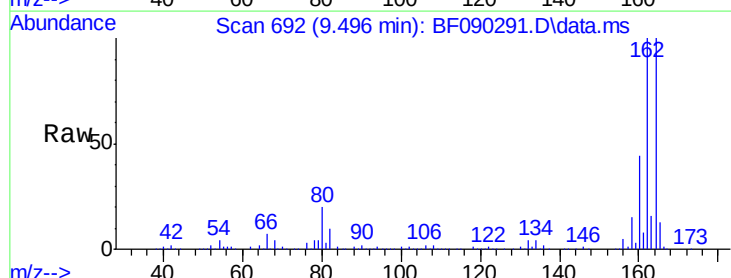
Instrument :
 BNA_F
 ClientSampled :

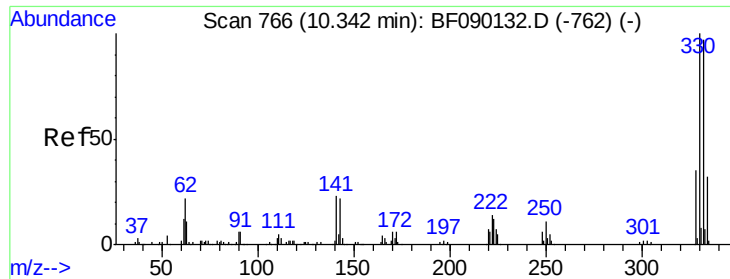
Tot Ion	82	Resp	981467
Ion Ratio	100	Lower	Upper
128	45.4	37.5	56.3
54	40.8	31.9	47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.496 min Scan# 692
 Delta R.T. -0.011 min
 Lab File: BF090291.D
 Acq: 29 Sep 2016 14:20

Tgt Ion	164	Resp	278745
Ion Ratio	100	Lower	Upper
162	99.5	81.4	122.2
160	44.4	36.6	54.8

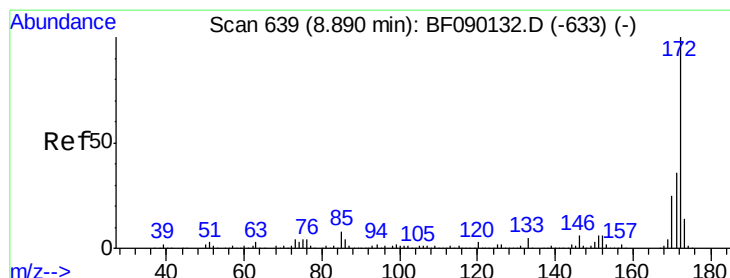
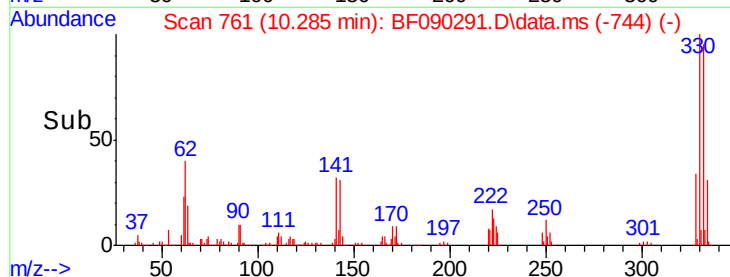
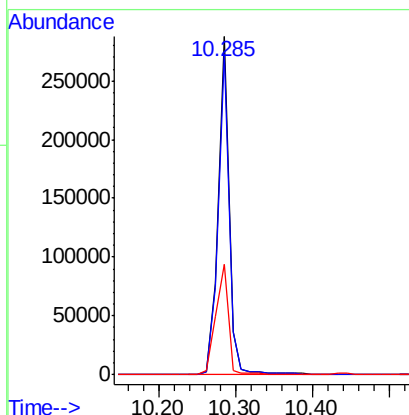
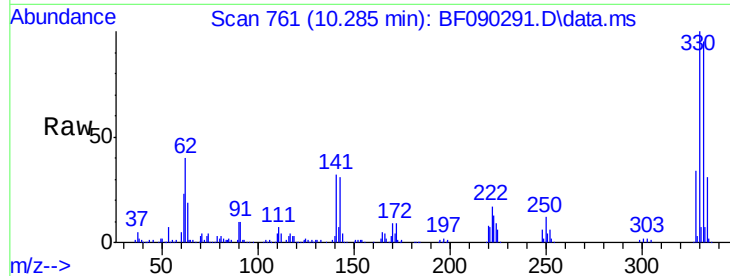




#41
 2,4,6-Tribromophenol
 Concen: 120.15 ng
 RT: 10.285 min Scan# 761
 Delta R.T. -0.011 min
 Lab File: BF090291.D
 Acq: 29 Sep 2016 14:20

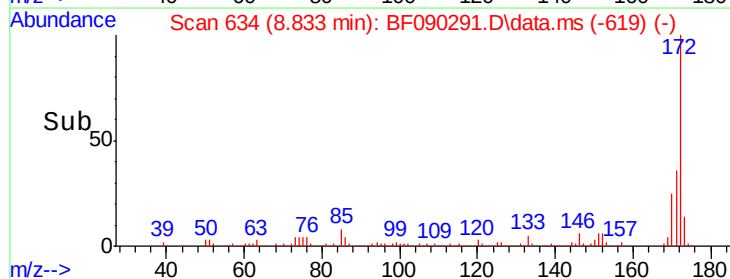
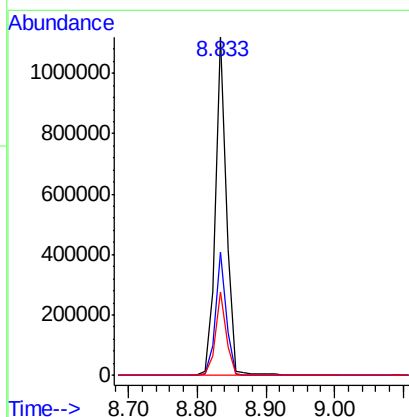
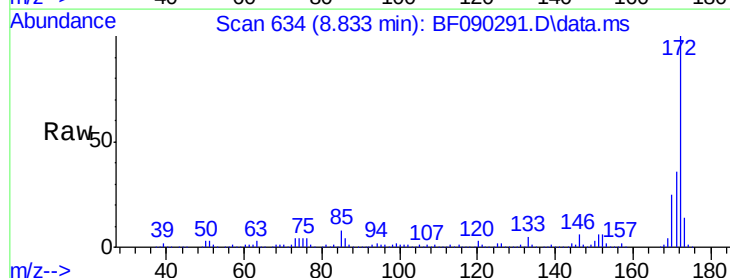
Instrument :
 BNA_F
 ClientSampled :

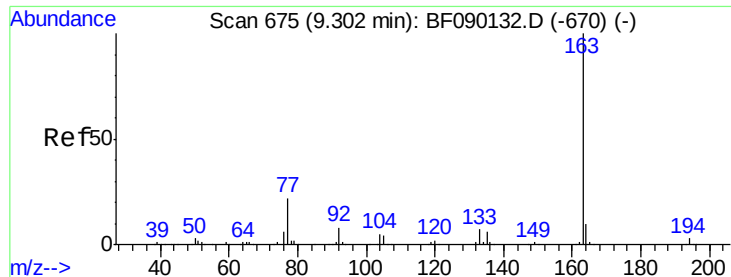
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.1	117.1
141	37.3	23.9	35.9



#44
 2-Fluorobiphenyl
 Concen: 90.38 ng
 RT: 8.833 min Scan# 634
 Delta R.T. -0.023 min
 Lab File: BF090291.D
 Acq: 29 Sep 2016 14:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	24.7	19.8	29.8





#49

Dimethylphthalate

Concen: 21.07 ng

RT: 9.233 min Scan# 66

Delta R.T. -0.034 min

Lab File: BF090291.D

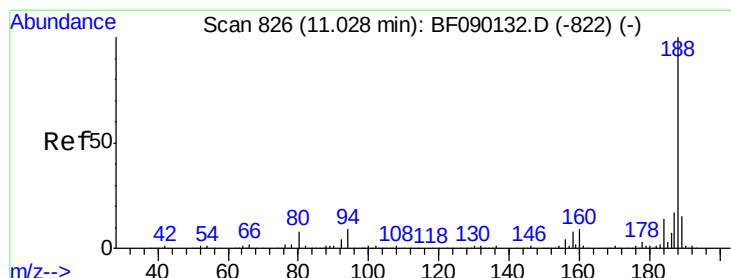
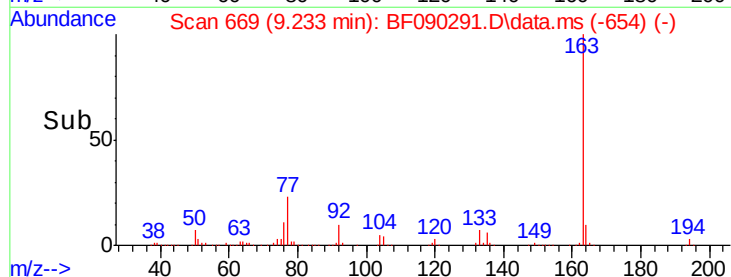
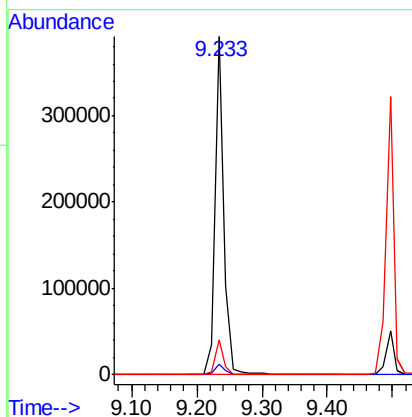
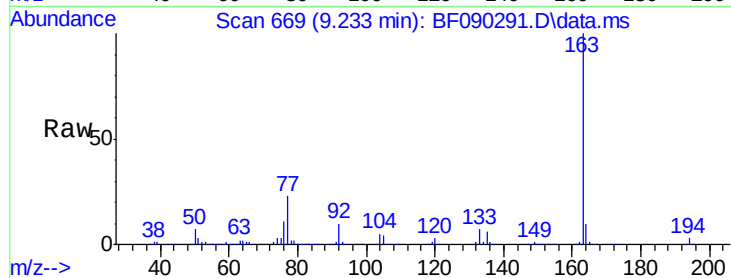
Acq: 29 Sep 2016 14:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	163	Resp:	374034
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.8	4.2
164	10.4	8.1	12.1



#63

Phenanthrene-d10

Concen: 20.00 ng

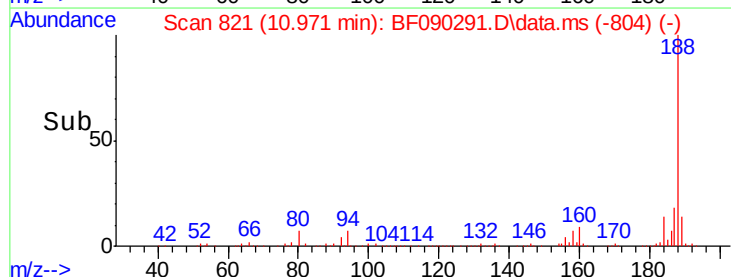
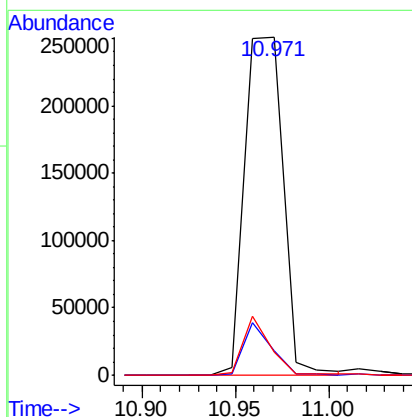
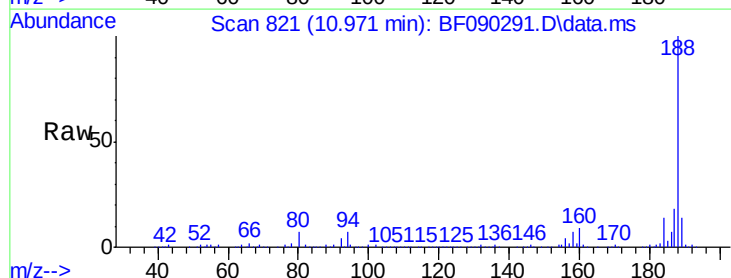
RT: 10.971 min Scan# 821

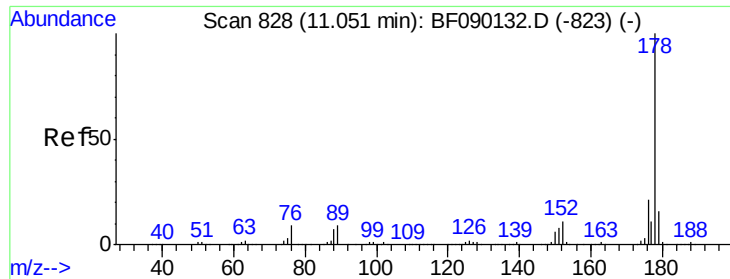
Delta R.T. -0.011 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

Tgt Ion:	188	Resp:	358698
Ion Ratio	Lower	Upper	
188	100		
94	7.1	10.5	15.7#
80	7.0	11.2	16.8#





#70

Phenanthrene

Concen: 3.31 ng

RT: 10.982 min Scan# 82

Delta R.T. -0.023 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

Instrument :

BNA_F

ClientSampled :

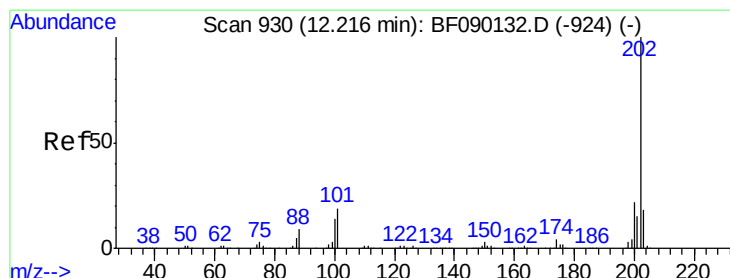
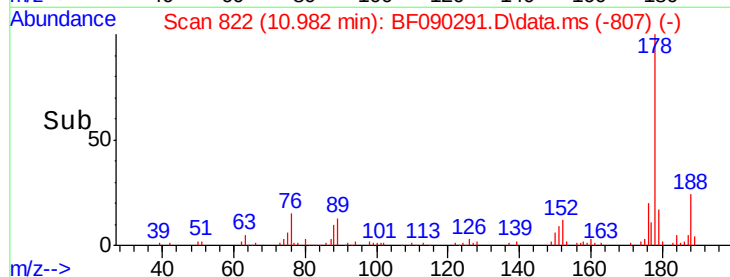
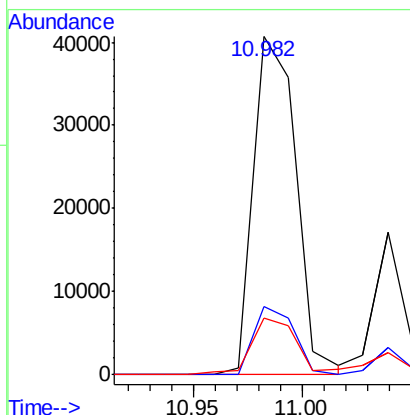
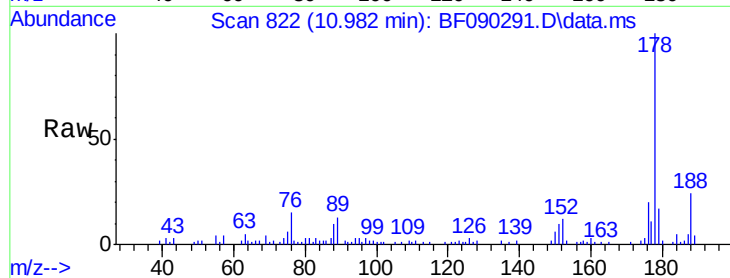
Tot Ion:178 Resp: 55542

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

179 16.7 12.9 19.3



#74

Fluoranthene

Concen: 5.55 ng

RT: 12.159 min Scan# 925

Delta R.T. -0.023 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

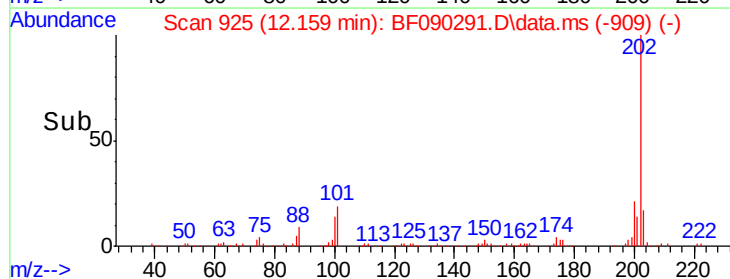
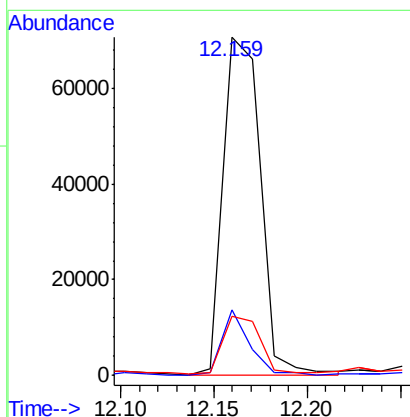
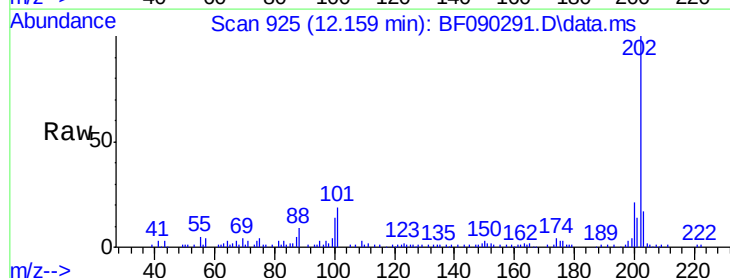
Tgt Ion:202 Resp: 99858

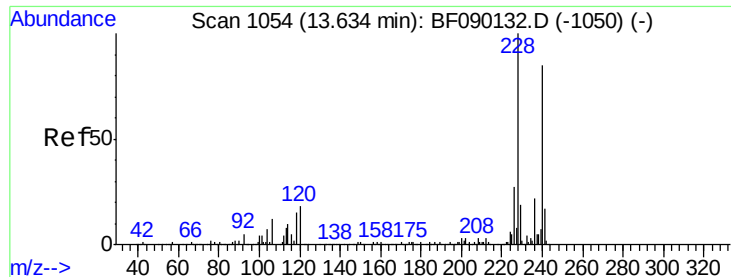
Ion Ratio Lower Upper

202 100

101 19.4 0.0 36.1

203 17.3 0.0 38.2

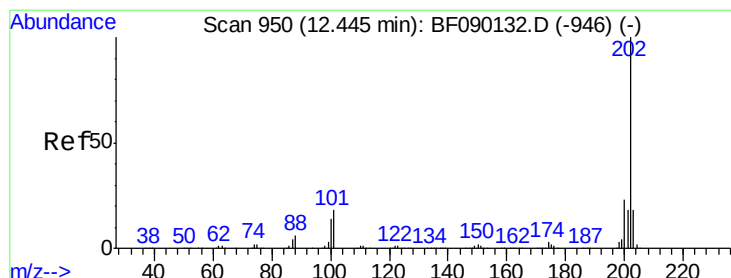
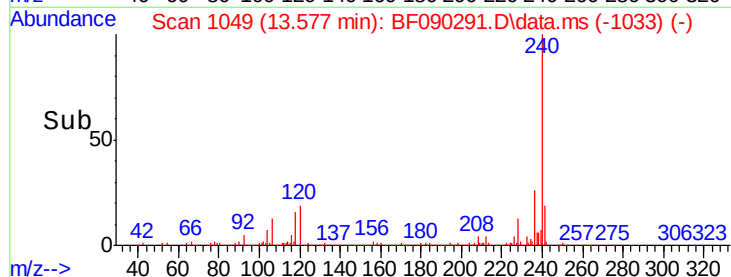
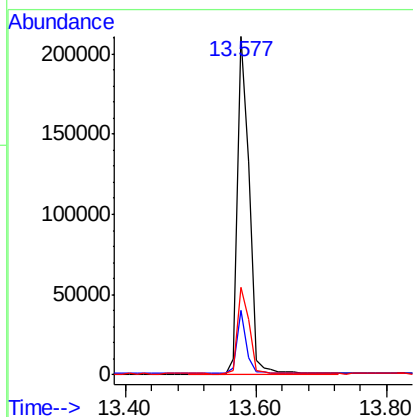
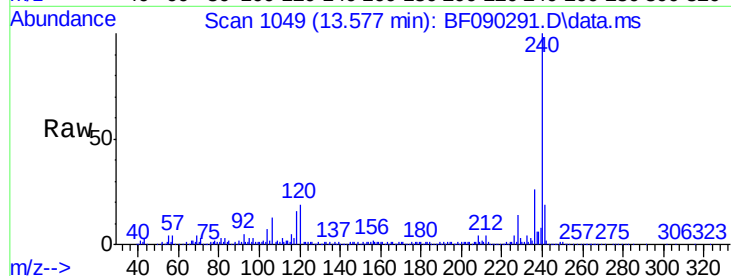




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.577 min Scan# 10
 Delta R.T. -0.023 min
 Lab File: BF090291.D
 Acq: 29 Sep 2016 14:20

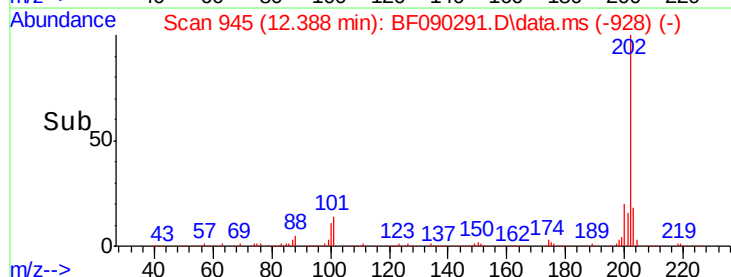
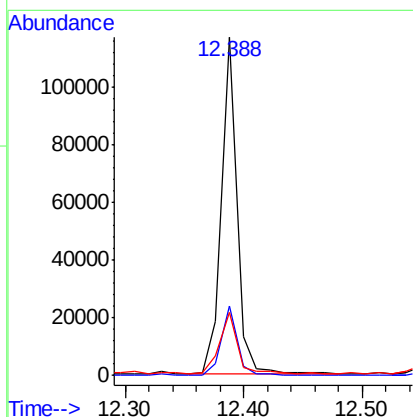
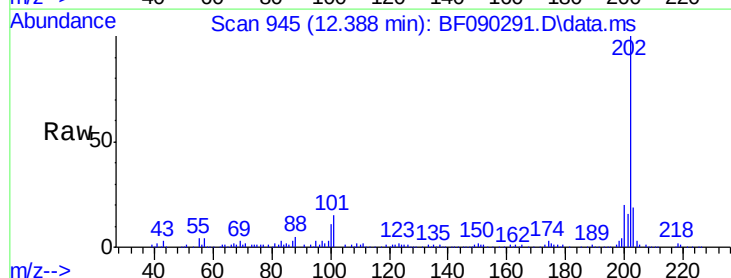
Instrument :
 BNA_F
 ClientSampleId :

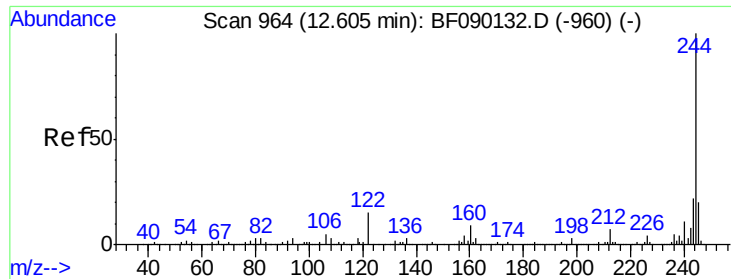
Tot Ion	Ratio	Lower	Upper
240	100		
120	19.1	10.6	16.0
236	25.7	21.6	32.4



#77
 Pyrene
 Concen: 5.86 ng
 RT: 12.388 min Scan# 945
 Delta R.T. -0.011 min
 Lab File: BF090291.D
 Acq: 29 Sep 2016 14:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.9	26.9
203	18.6	14.2	21.4





#78

Terphenyl-d14

Concen: 90.51 ng

RT: 12.559 min Scan# 96

Delta R.T. 0.000 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

Instrument :

BNA_F

ClientSampleId :

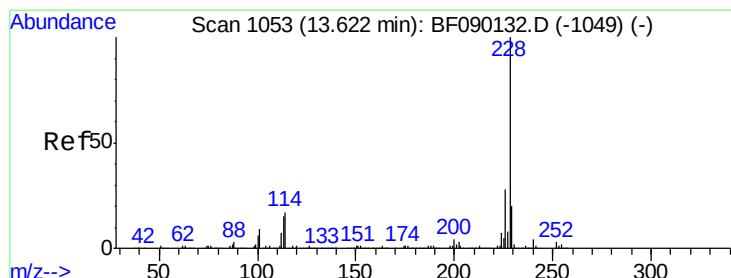
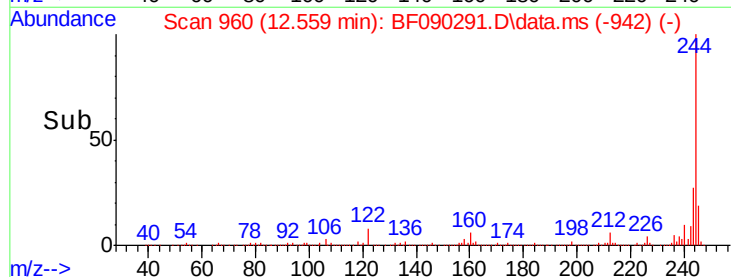
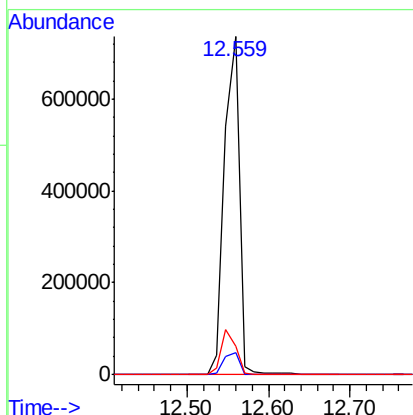
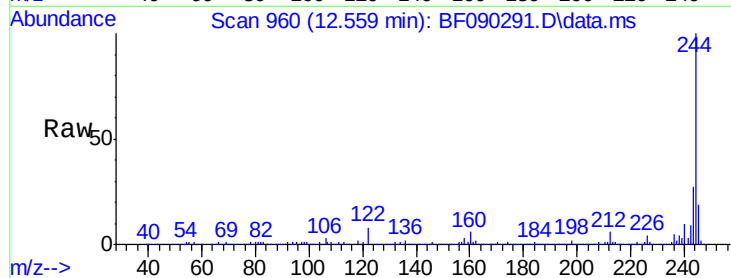
Tot Ion:244 Resp: 935292

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.8

122 8.4 9.4 14.0#



#80

Benzo(a)anthracene

Concen: 3.44 ng

RT: 13.565 min Scan# 1048

Delta R.T. -0.023 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

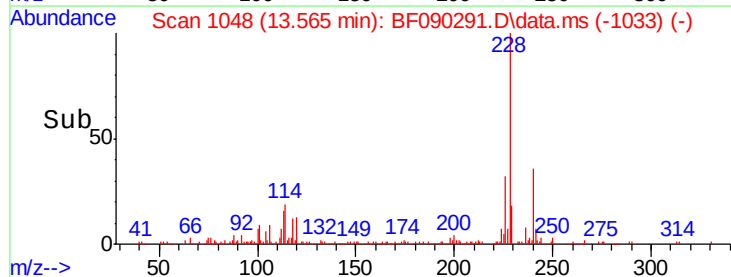
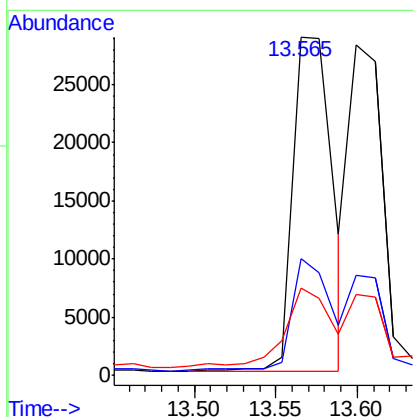
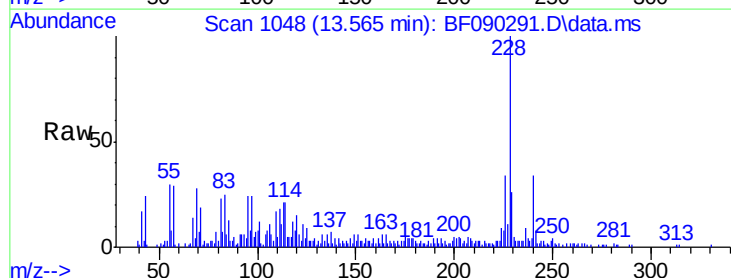
Tgt Ion:228 Resp: 48602

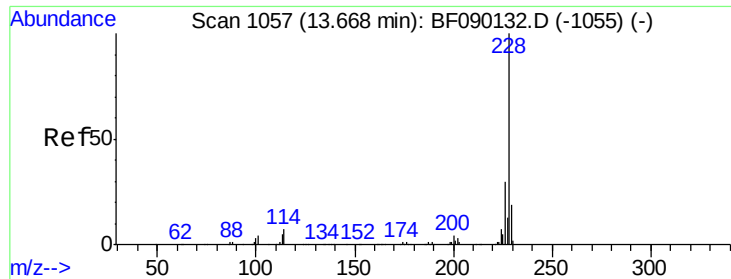
Ion Ratio Lower Upper

228 100

226 34.4 22.0 33.0#

229 25.6 16.2 24.2#





#82

Chrysene

Concen: 3.53 ng

RT: 13.565 min Scan# 10

Delta R.T. -0.057 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

Instrument :

BNA_F

ClientSampleId :

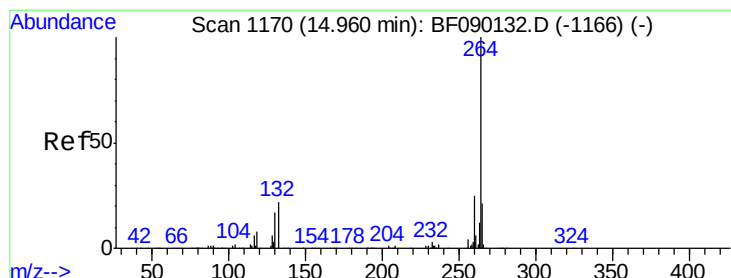
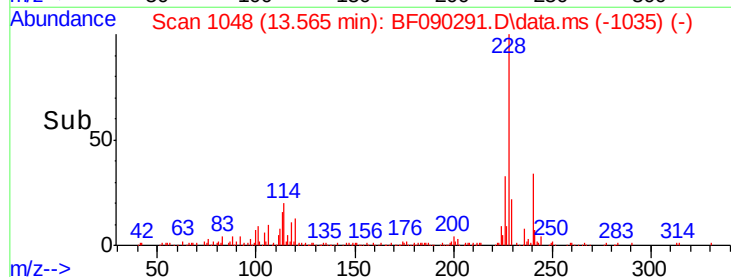
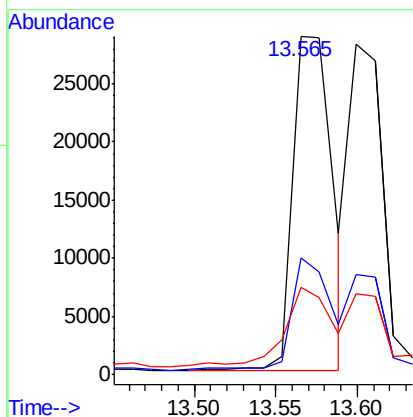
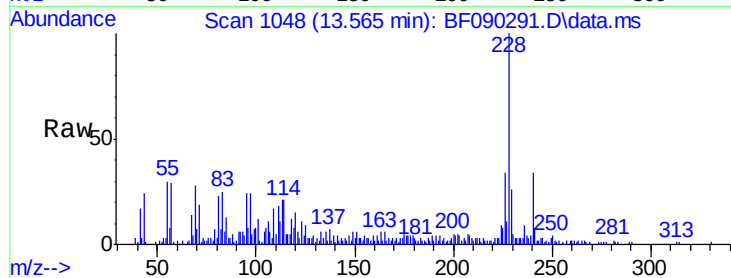
Tot Ion:228 Resp: 48602

Ion Ratio Lower Upper

228 100

226 34.4 24.6 37.0

229 25.6 16.2 24.4#



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.903 min Scan# 1165

Delta R.T. -0.011 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

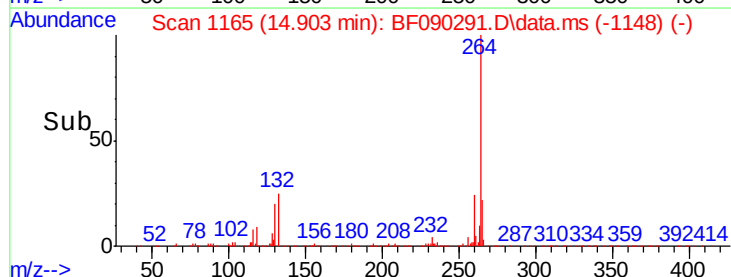
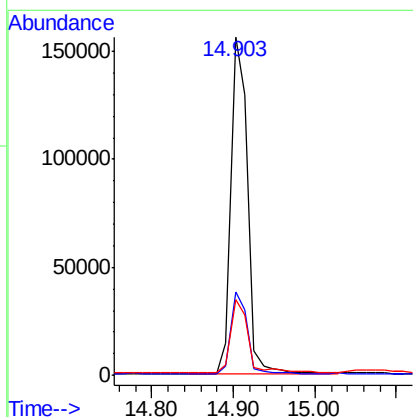
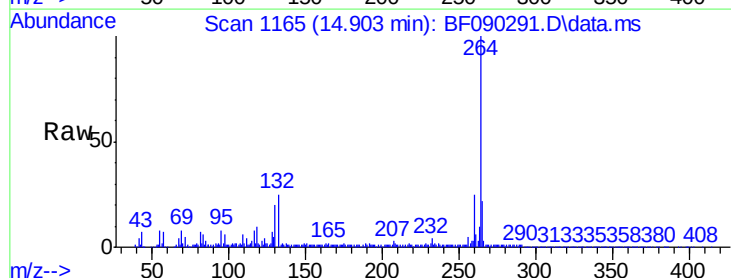
Tgt Ion:264 Resp: 221567

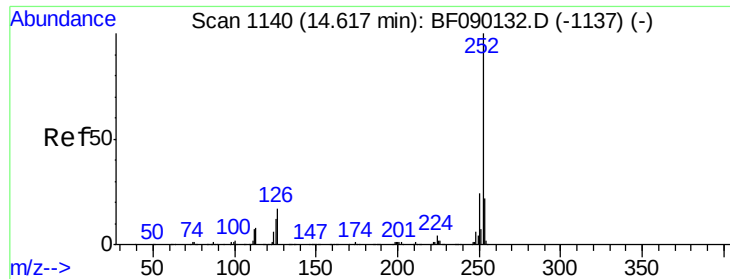
Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 22.5 17.0 25.4

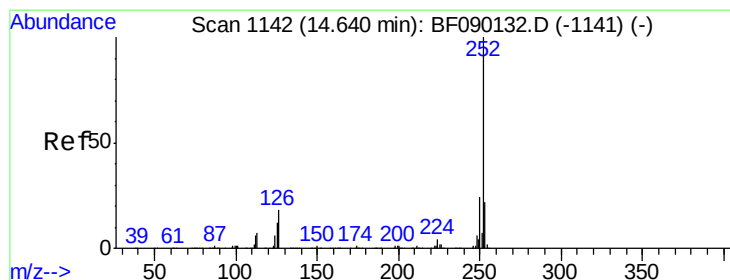
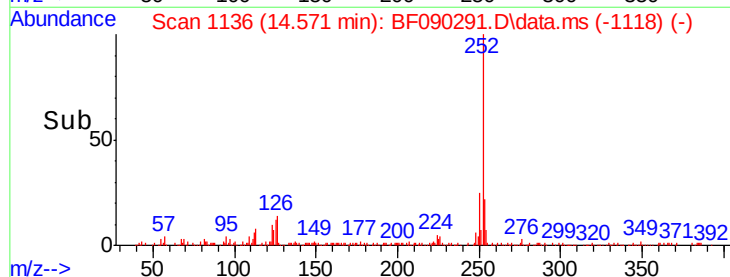
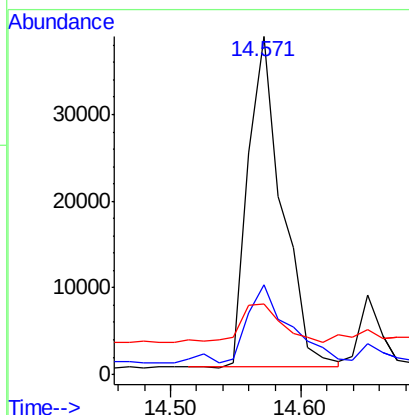
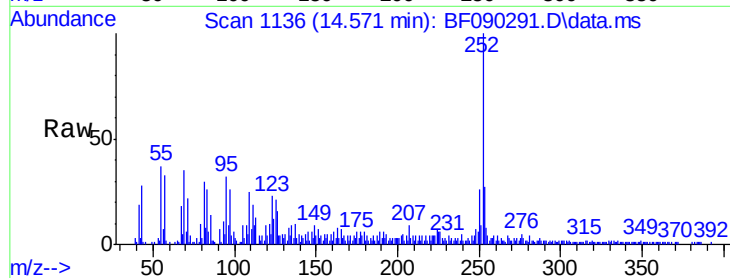




#87
Benzo(b)fluoranthene
Concen: 5.58 ng
RT: 14.571 min Scan# 111
Delta R.T. 0.000 min
Lab File: BF090291.D
Acq: 29 Sep 2016 14:20

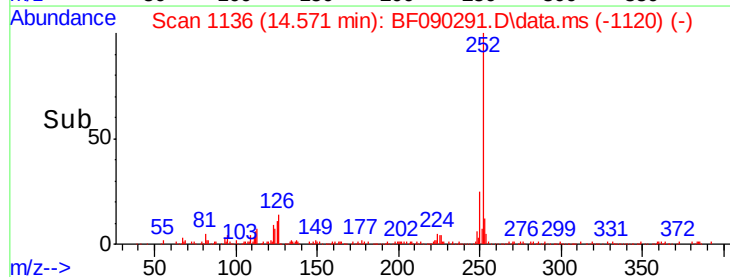
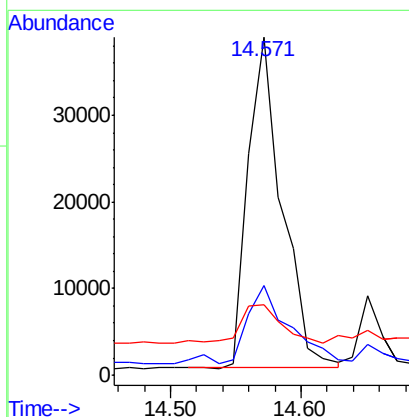
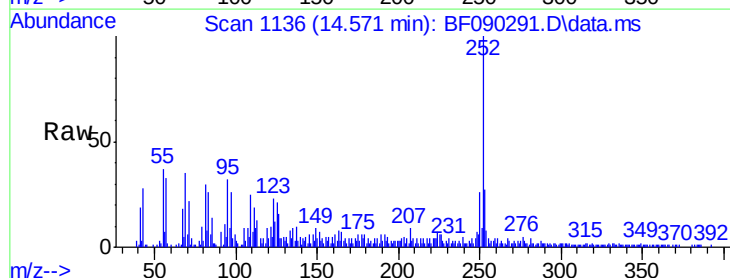
Instrument :
BNA_F
ClientSampleId :

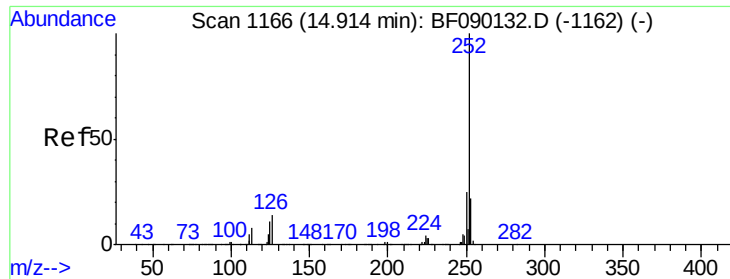
Tot Ion:	252	Resp:	68466
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.9	26.9
125	21.0	12.7	19.1#



#88
Benzo(k)fluoranthene
Concen: 5.95 ng
RT: 14.571 min Scan# 1136
Delta R.T. -0.023 min
Lab File: BF090291.D
Acq: 29 Sep 2016 14:20

Tgt Ion:	252	Resp:	68466
Ion Ratio	Lower	Upper	
252	100		
253	26.7	17.8	26.8
125	21.0	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 3.02 ng

RT: 14.857 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

Instrument :

BNA_F

ClientSampleId :

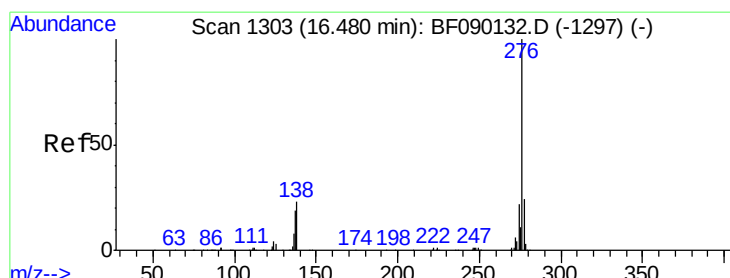
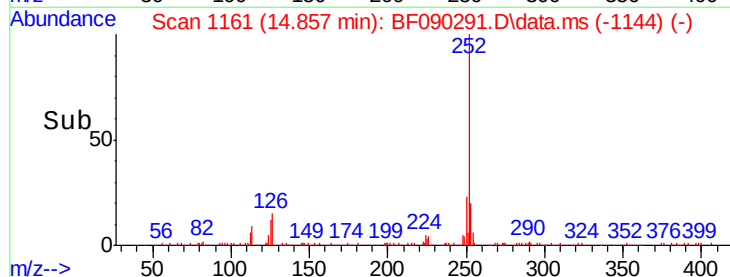
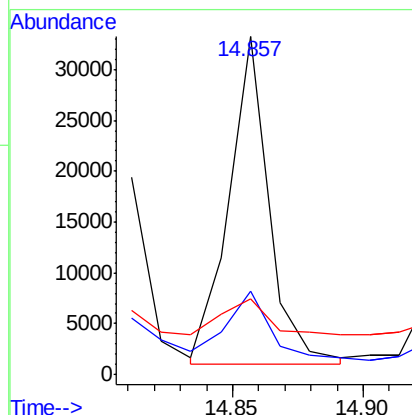
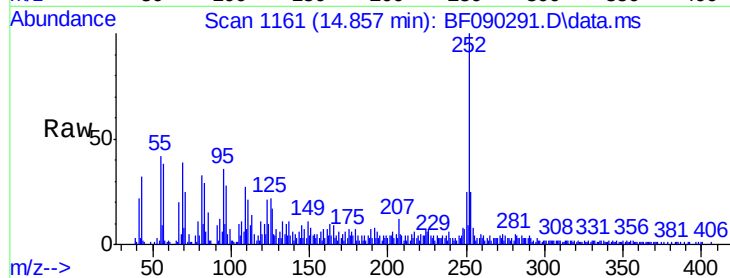
Tot Ion:252 Resp: 34852

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 22.5 7.7 11.5#



#91

Benzo(g,h,i)perylene

Concen: 2.47 ng

RT: 16.388 min Scan# 1295

Delta R.T. -0.011 min

Lab File: BF090291.D

Acq: 29 Sep 2016 14:20

Tgt Ion:276 Resp: 21732

Ion Ratio Lower Upper

276 100

277 29.5 18.9 28.3#

138 34.9 23.3 34.9

