

Data Path : Z:\HPCHEM1\BNA F\Data\BF092916\
 Data File : BF090294.D
 Acq On : 29 Sep 2016 16:42
 Operator : UM/SJ
 Sample : H4982-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 17:09:16 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	132274	20.00	ng	-0.02
21) Naphthalene-d8	7.748	136	492576	20.00	ng	-0.02
38) Acenaphthene-d10	9.496	164	253461	20.00	ng	-0.01
63) Phenanthrene-d10	10.971	188	303803	20.00	ng	-0.01
75) Chrysene-d12	13.588	240	254119	20.00	ng	-0.01
86) Perylene-d12	14.914	264	196207	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.027	112	1154755	142.30	ng	0.00
7) Phenol-d6	6.136	99	1635958	163.24	ng	0.00
23) Nitrobenzene-d5	7.039	82	896560	105.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.285	330	252088	115.93	ng	-0.01
44) 2-Fluorobiphenyl	8.833	172	1208468	93.60	ng	-0.02
78) Terphenyl-d14	12.559	244	847454	84.67	ng	0.00

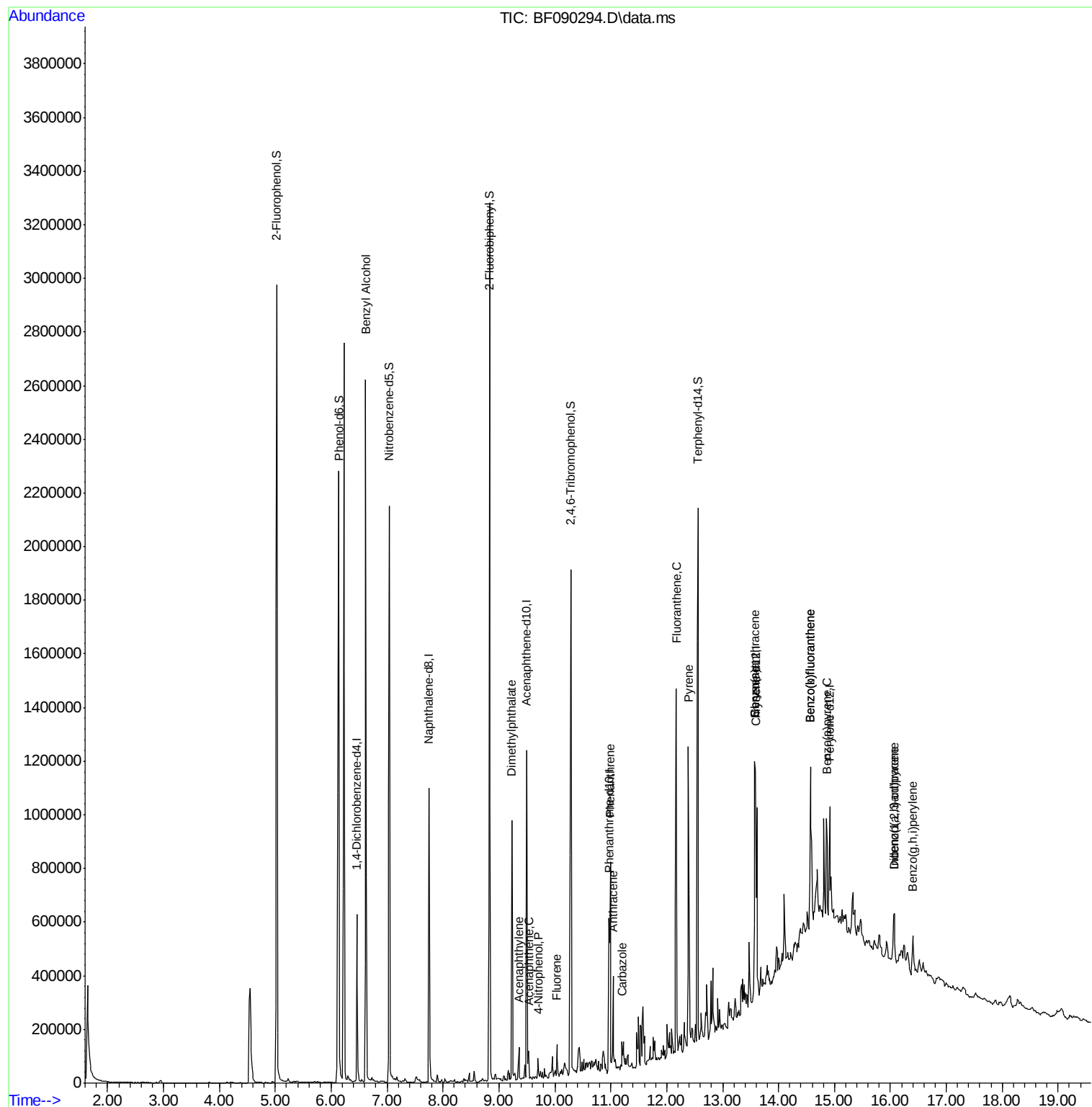
Target Compounds						Qvalue
15) Benzyl Alcohol	6.616	79	13037	2.18	ng	# 50
48) Acenaphthylene	9.359	152	65616	3.02	ng	99
49) Dimethylphthalate	9.233	163	423513	26.23	ng	99
51) Acenaphthene	9.531	154	29717	2.30	ng	98
55) 4-Nitrophenol	9.702	139	10300	3.56	ng	# 23
57) Fluorene	10.033	166	46154	3.61	ng	97
70) Phenanthrene	10.994	178	372836	26.24	ng	98
71) Anthracene	11.039	178	142746	9.58	ng	98
72) Carbazole	11.199	167	55717	3.54	ng	98
74) Fluoranthene	12.171	202	588688	38.60	ng	95
77) Pyrene	12.388	202	510192	29.34	ng	# 96
80) Benzo(a)anthracene	13.577	228	283125	20.71	ng	94
82) Chrysene	13.577	228	283125	21.26	ng	98
85) Indeno(1,2,3-cd)pyrene	16.068	276	123908	11.51	ng	91
87) Benzo(b)fluoranthene	14.571	252	415175	38.21	ng	97
88) Benzo(k)fluoranthene	14.571	252	415175	40.72	ng	# 94
89) Benzo(a)pyrene	14.857	252	209361	20.49	ng	# 89
90) Dibenzo(a,h)anthracene	16.068	278	33705	4.23	ng	# 81
91) Benzo(a,h,i)perylene	16.400	276	116626	14.94	ng	99

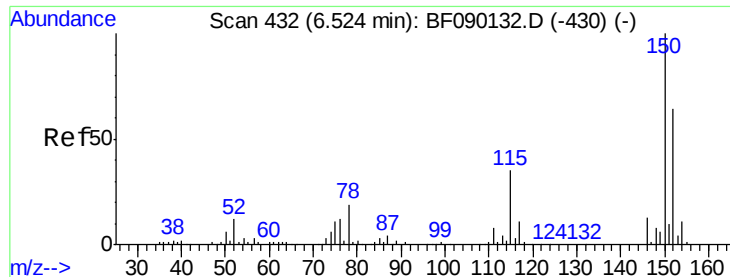
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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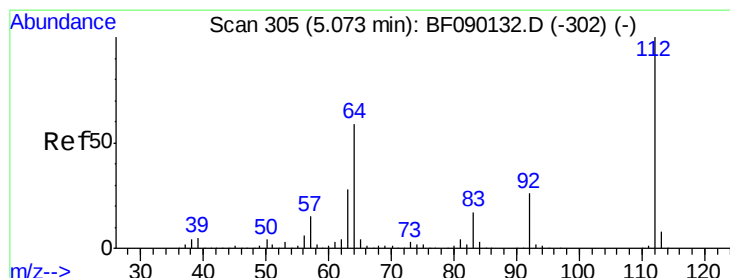
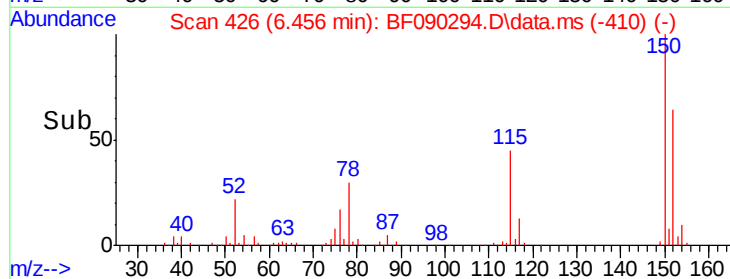
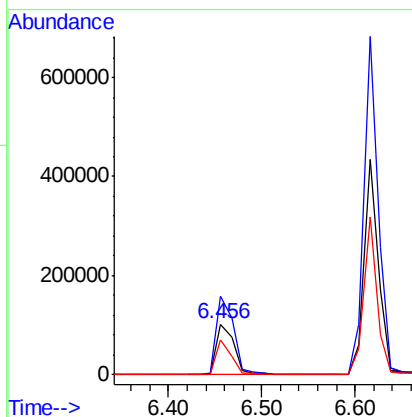
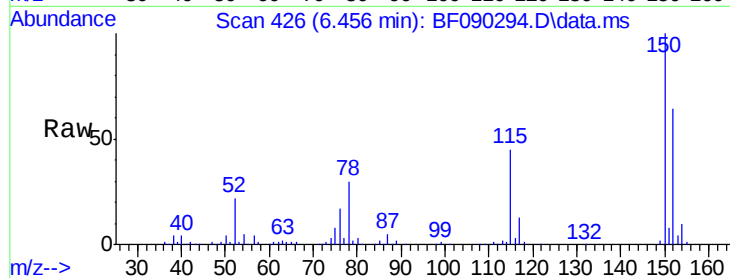




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.456 min Scan# 42
 Delta R.T. -0.023 min
 Lab File: BF090294.D
 Acq: 29 Sep 2016 16:42

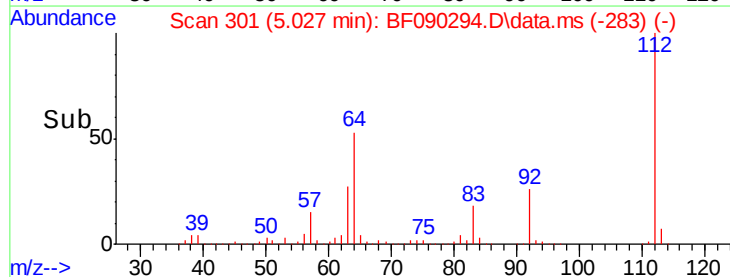
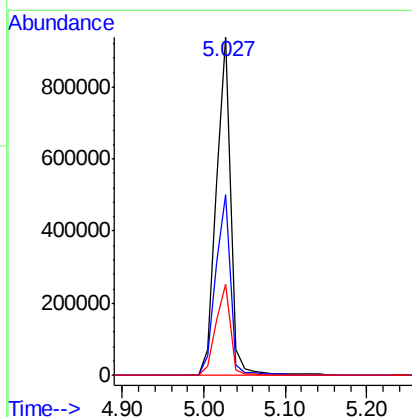
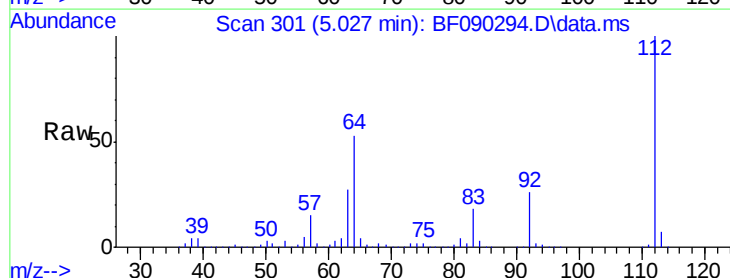
Instrument :
 BNA_F
 ClientSampleId :

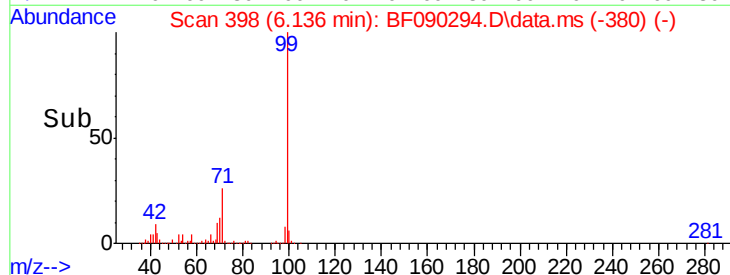
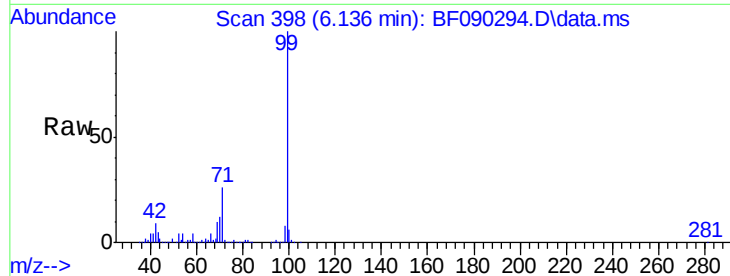
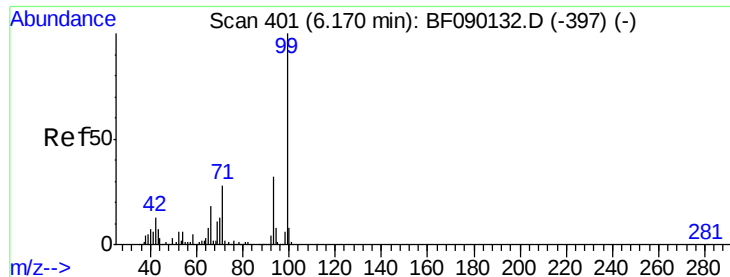
Tot Ion:152 Resp: 132274
 Ion Ratio Lower Upper
 152 100
 150 155.5 128.9 193.3
 115 69.9 55.5 83.3



#5
 2-Fluorophenol
 Concen: 142.30 ng
 RT: 5.027 min Scan# 301
 Delta R.T. 0.000 min
 Lab File: BF090294.D
 Acq: 29 Sep 2016 16:42

Tgt Ion:112 Resp: 1154755
 Ion Ratio Lower Upper
 112 100
 64 53.4 39.8 59.6
 63 26.8 18.9 28.3





#7

Phenol-d6

Concen: 163.24 ng

RT: 6.136 min Scan# 39

Delta R.T. 0.000 min

Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

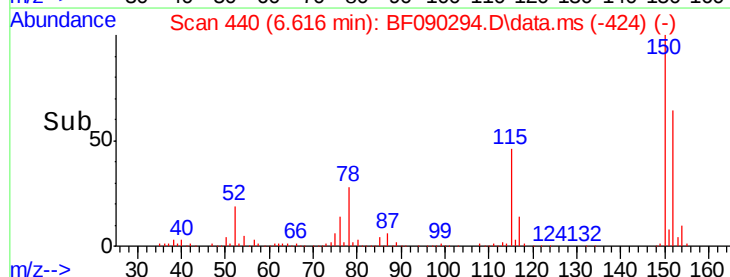
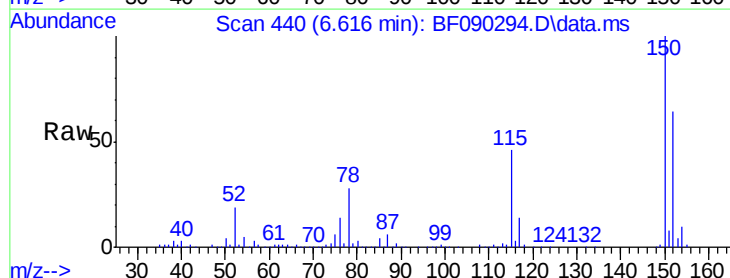
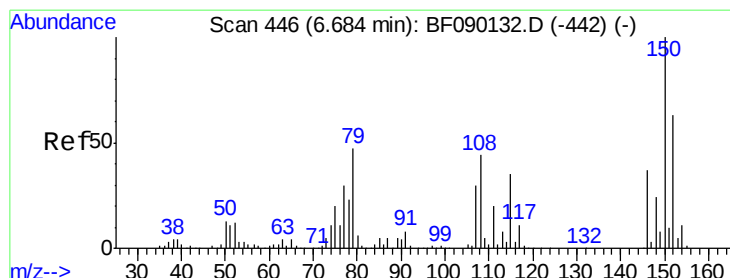
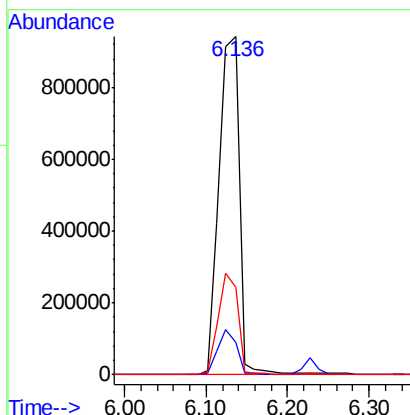
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1635958

Ion	Ratio	Lower	Upper
99	100		
42	9.3	10.6	15.8#
71	25.8	23.0	34.6



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.616 min Scan# 440

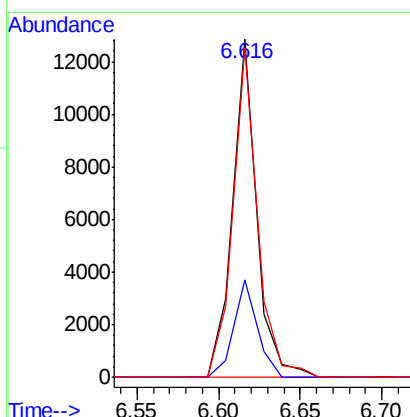
Delta R.T. -0.023 min

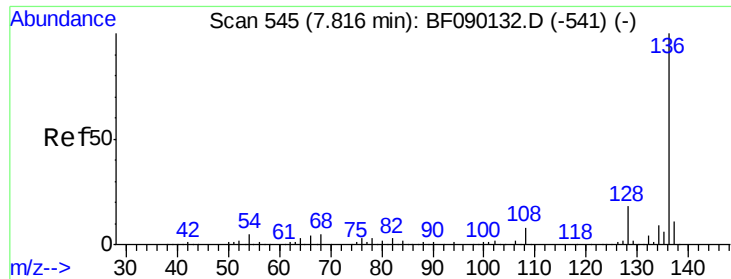
Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

Tgt Ion: 79 Resp: 13037

Ion	Ratio	Lower	Upper
79	100		
108	28.8	62.2	93.4#
77	97.5	51.4	77.0#

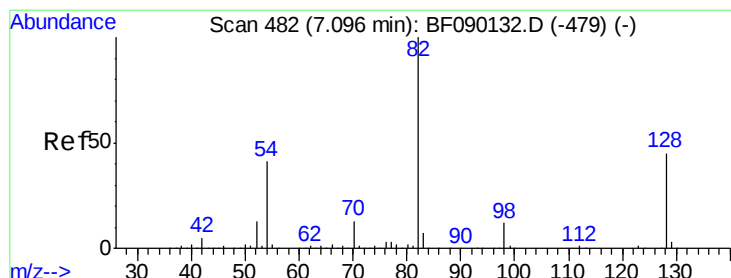
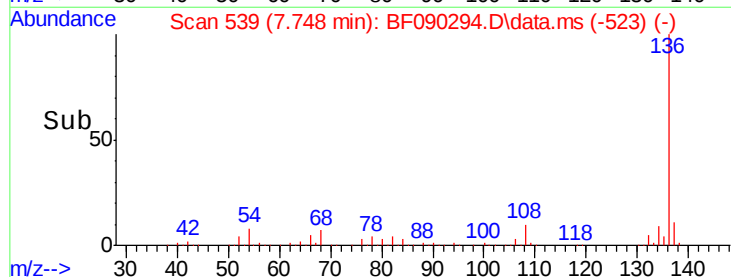
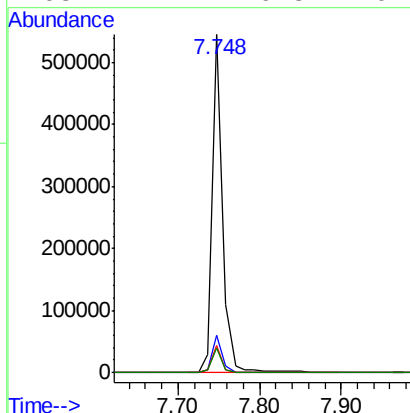
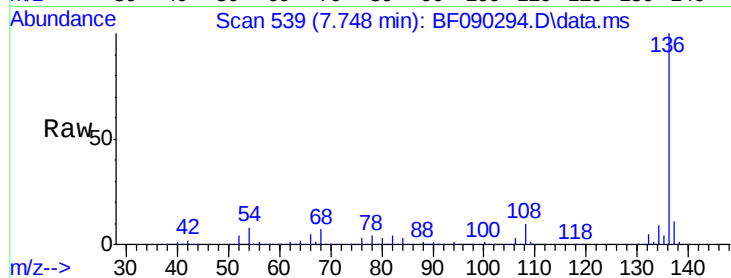




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.748 min Scan# 531
Delta R.T. -0.023 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

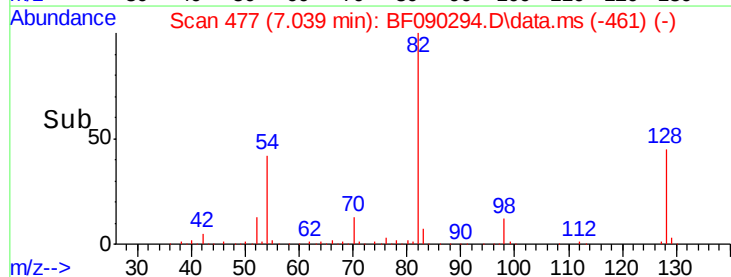
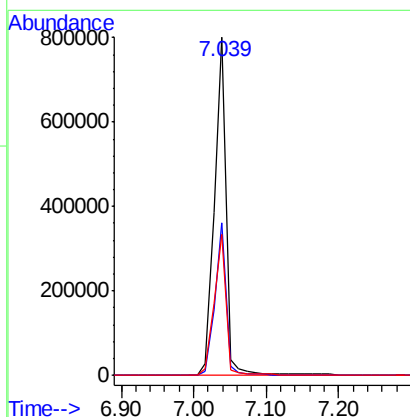
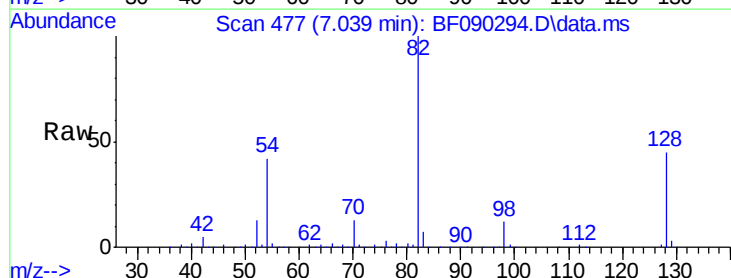
Instrument :
BNA_F
ClientSampleId :

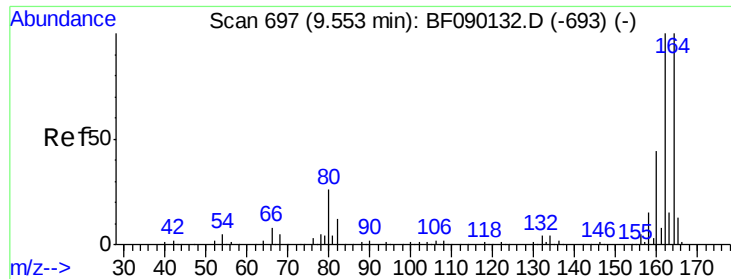
Tot Ion:	136	Resp:	492576
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	8.0	6.4	9.6
68	7.2	6.3	9.5



#23
Nitrobenzene-d5
Concen: 105.51 ng
RT: 7.039 min Scan# 477
Delta R.T. -0.023 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

Tgt Ion:	82	Resp:	896560
Ion Ratio	Lower	Upper	
82	100		
128	45.0	37.5	56.3
54	41.8	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: BF090294.D

Acq: 29 Sep 2016 16:42

Instrument :

BNA_F

ClientSampleId :

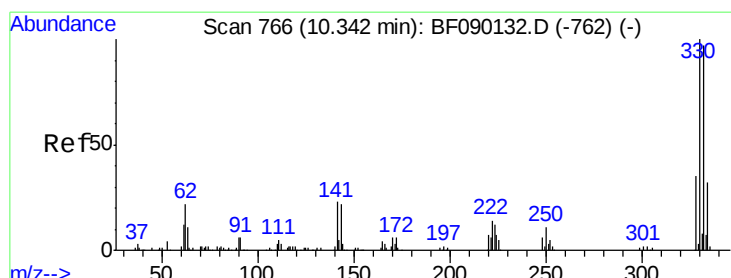
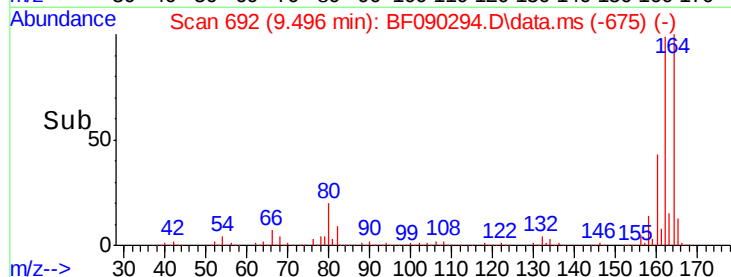
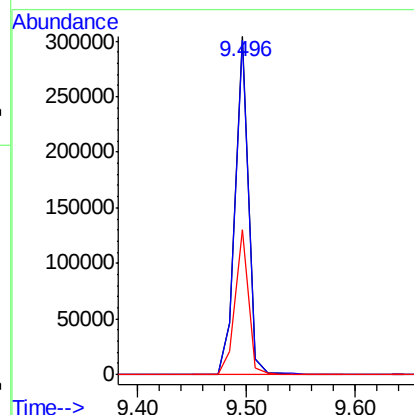
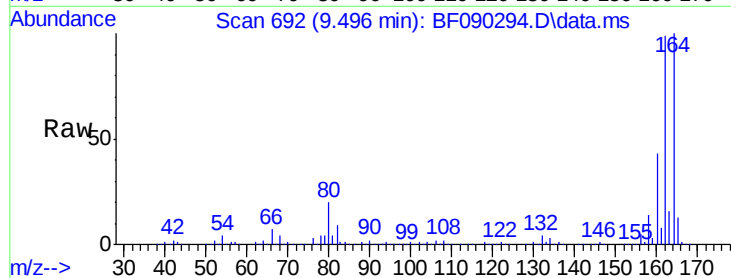
Tot Ion:164 Resp: 253461

Ion Ratio Lower Upper

164 100

162 99.0 81.4 122.2

160 42.9 36.6 54.8



#41

2,4,6-Tribromophenol

Concen: 115.93 ng

RT: 10.285 min Scan# 761

Delta R.T. -0.011 min

Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

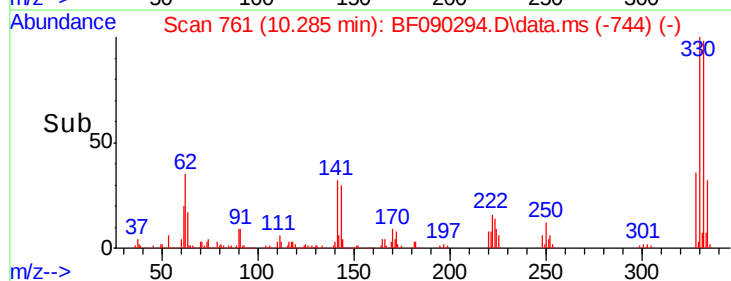
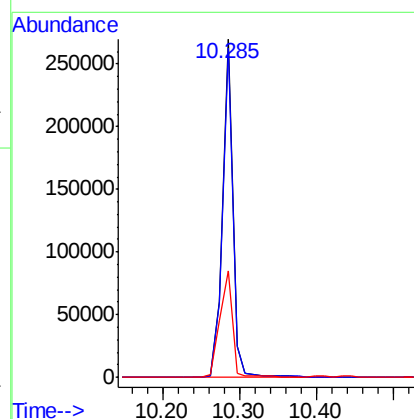
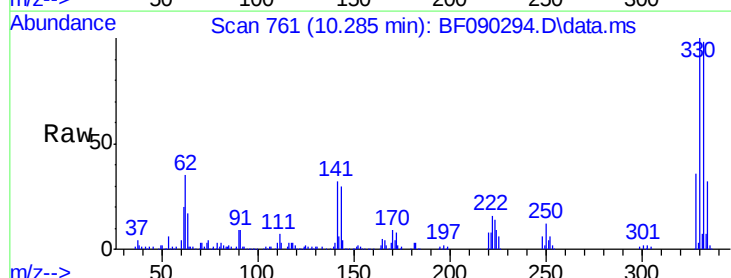
Tgt Ion:330 Resp: 252088

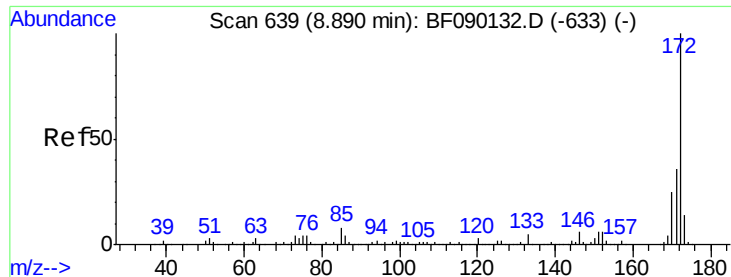
Ion Ratio Lower Upper

330 100

332 98.0 78.1 117.1

141 37.1 23.9 35.9#



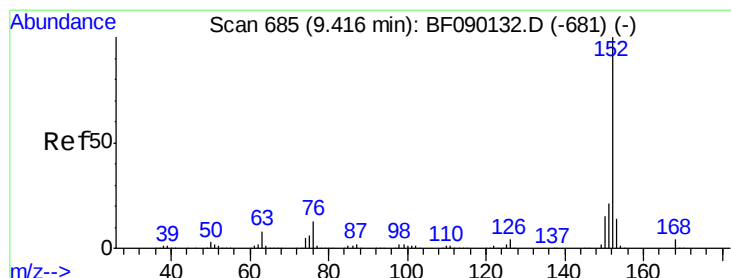
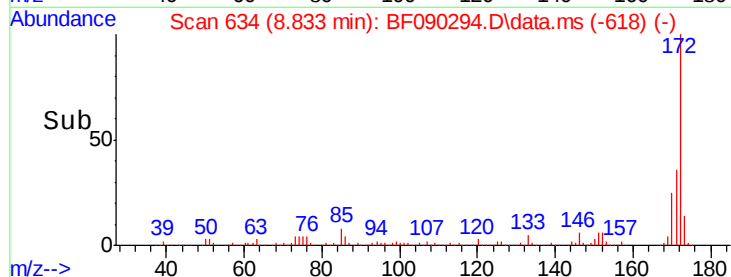
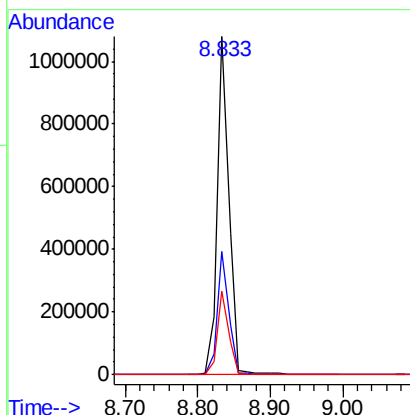
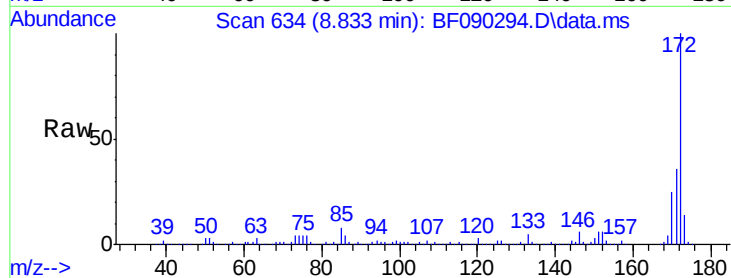


#44
 2-Fluorobiphenyl
 Concen: 93.60 ng
 RT: 8.833 min Scan# 63
 Delta R.T. -0.023 min
 Lab File: BF090294.D
 Acq: 29 Sep 2016 16:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1208468

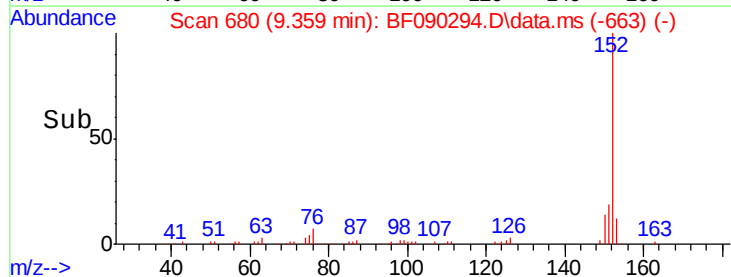
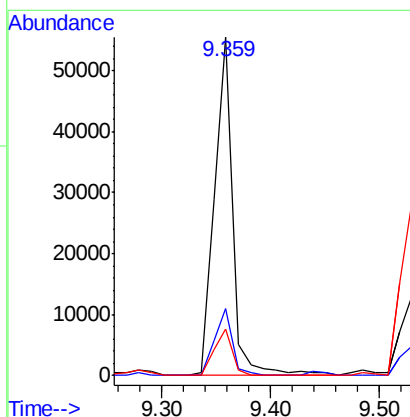
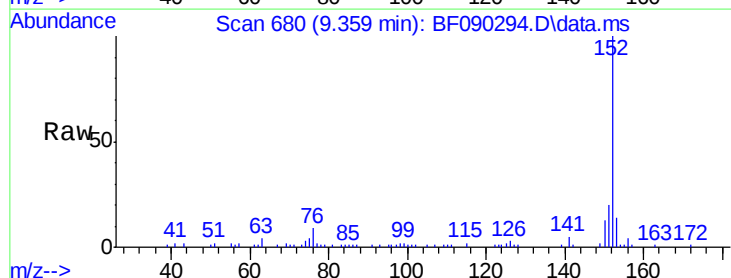
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	24.6	19.8	29.8

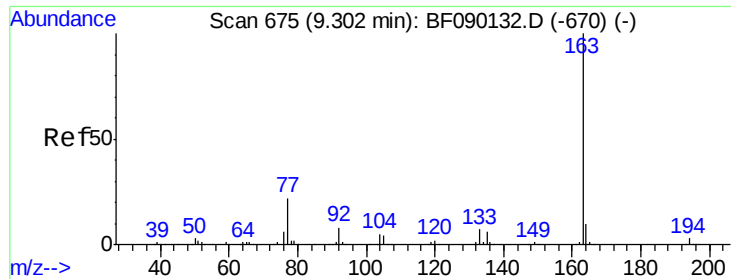


#48
 Acenaphthylene
 Concen: 3.02 ng
 RT: 9.359 min Scan# 680
 Delta R.T. -0.011 min
 Lab File: BF090294.D
 Acq: 29 Sep 2016 16:42

Tgt Ion:152 Resp: 65616

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.5	24.7
153	13.7	10.6	15.8





#49

Dimethylphthalate

Concen: 26.23 ng

RT: 9.233 min Scan# 66

Delta R.T. -0.034 min

Lab File: BF090294.D

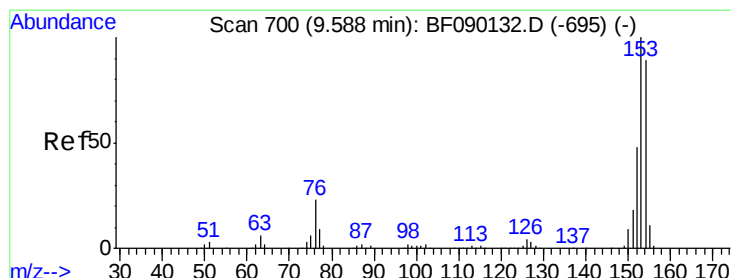
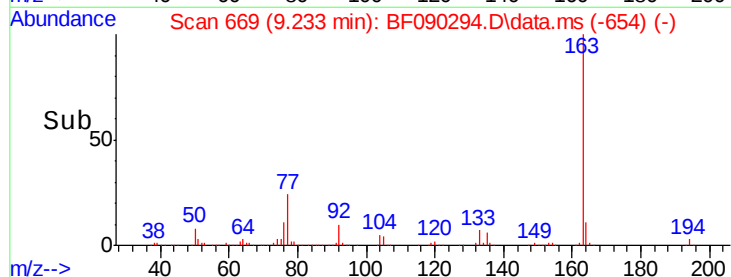
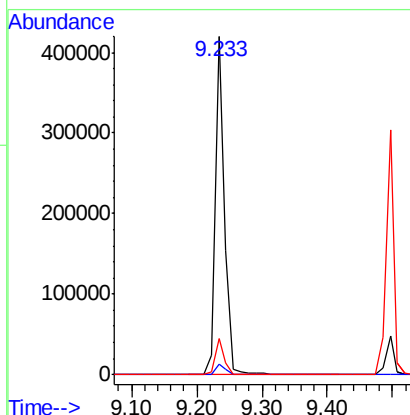
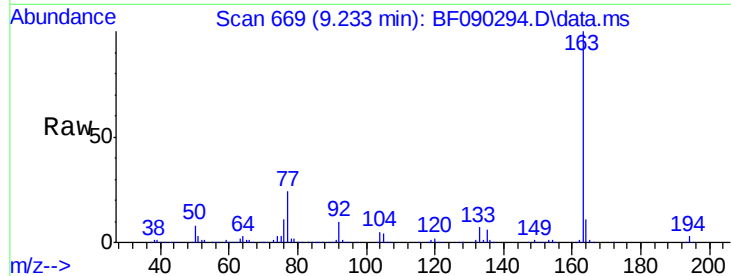
Acq: 29 Sep 2016 16:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:163	Resp:	423513
Ion Ratio	Lower	Upper
163	100	
194	2.9	2.8 4.2
164	10.5	8.1 12.1



#51

Acenaphthene

Concen: 2.30 ng

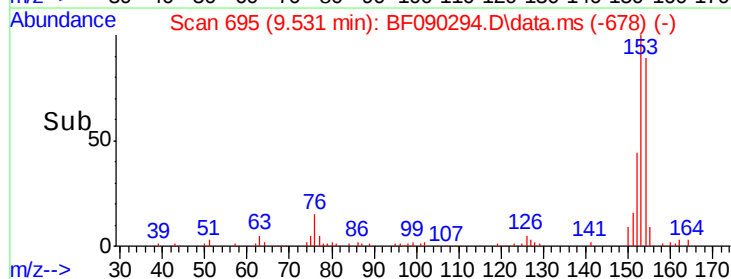
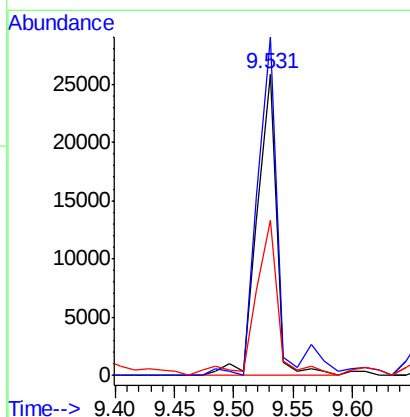
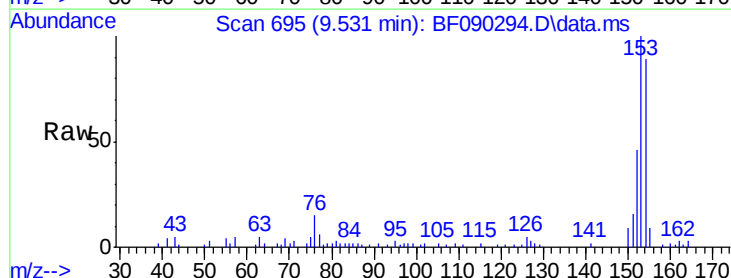
RT: 9.531 min Scan# 695

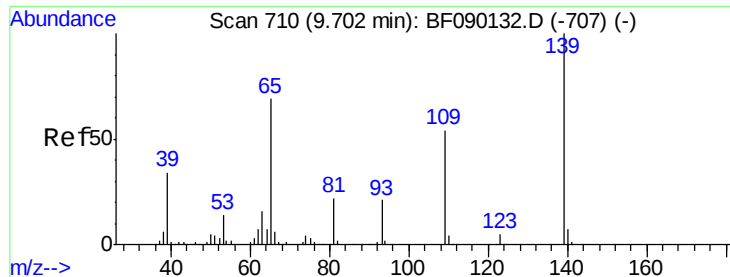
Delta R.T. -0.011 min

Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

Tgt Ion:154	Resp:	29717
Ion Ratio	Lower	Upper
154	100	
153	112.2	90.8 136.2
152	51.7	44.2 66.4

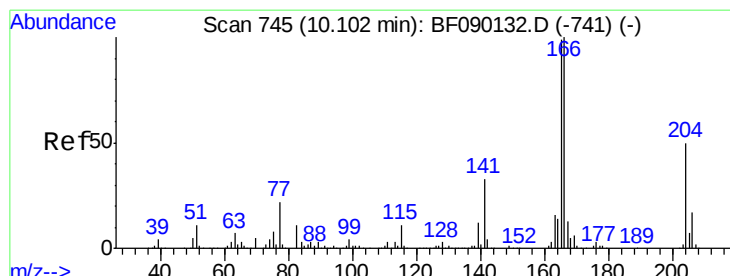
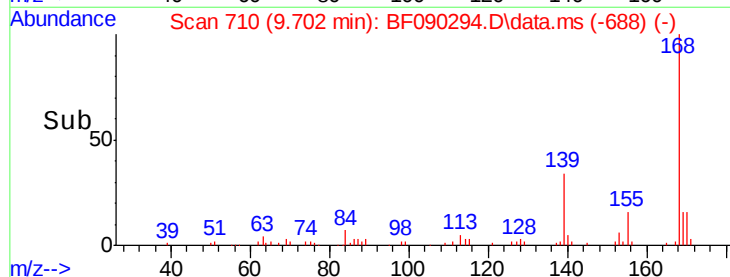
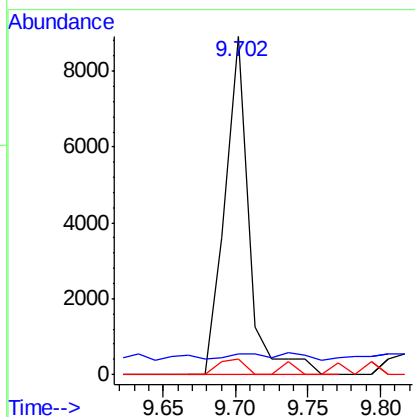
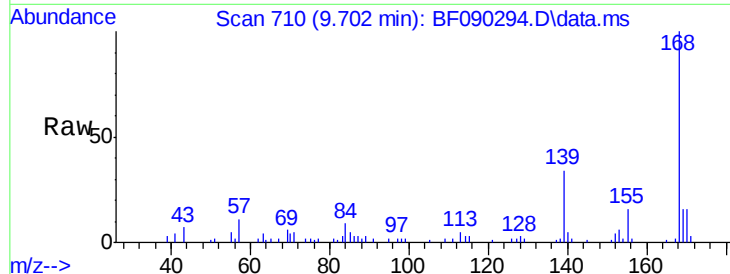




#55
4-Nitrophenol
Concen: 3.56 ng
RT: 9.702 min Scan# 710
Delta R.T. 0.046 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

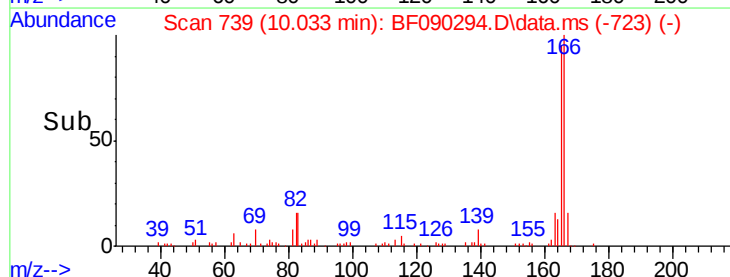
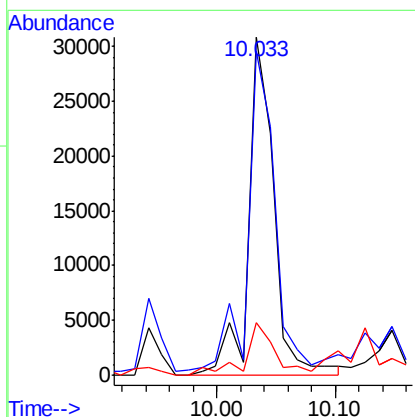
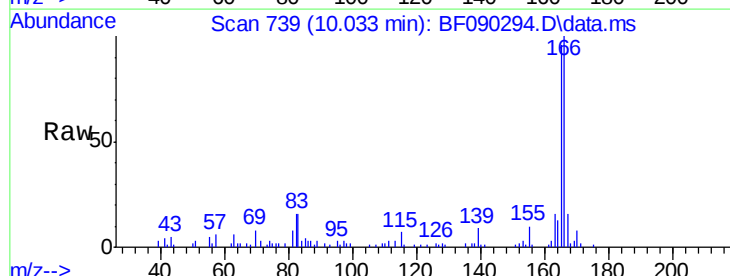
Instrument :
BNA_F
ClientSampleId :

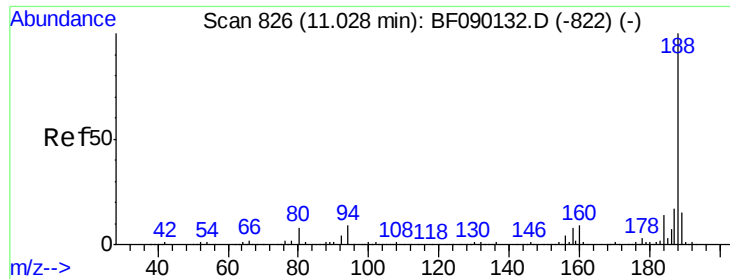
Tot Ion	Ratio	Lower	Upper
139	100		
109	6.3	35.6	75.6#
65	4.5	55.5	95.5#



#57
Fluorene
Concen: 3.61 ng
RT: 10.033 min Scan# 739
Delta R.T. -0.023 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.5	117.7
167	15.7	11.2	16.8

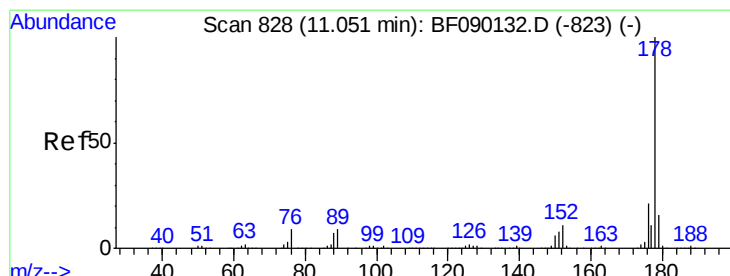
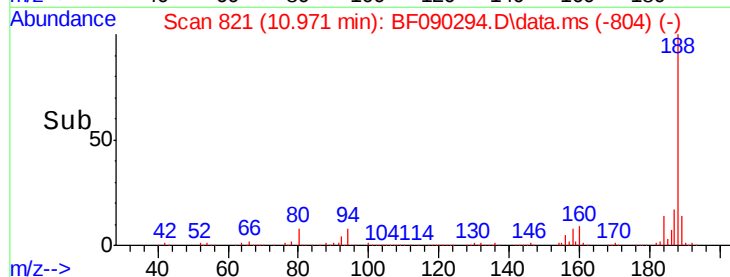
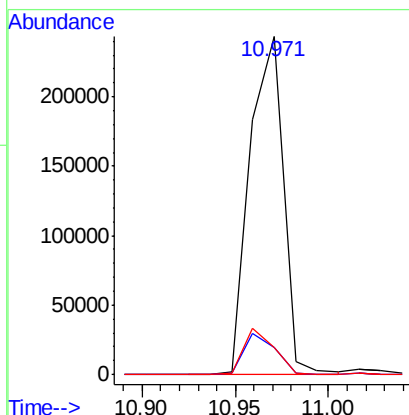
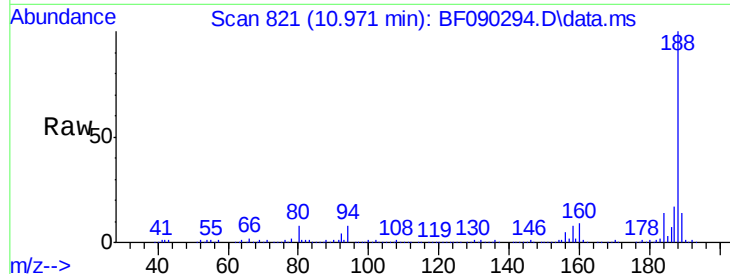




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.971 min Scan# 821
Delta R.T. -0.011 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

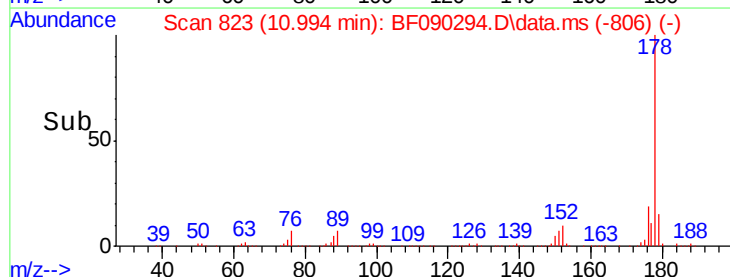
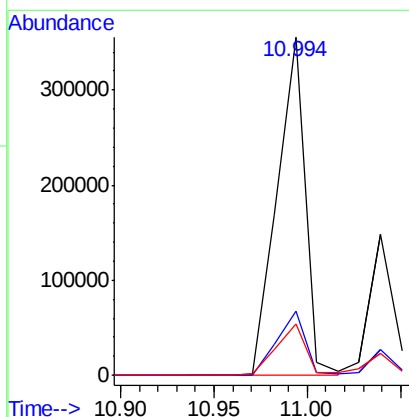
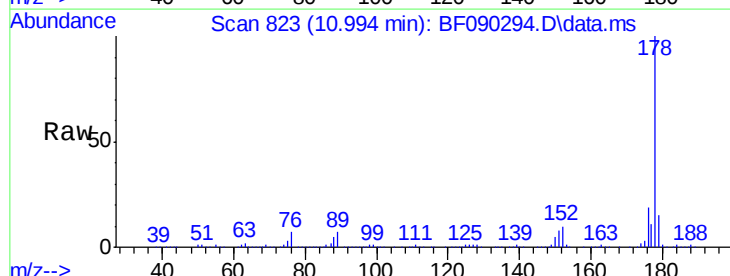
Instrument :
BNA_F
ClientSampleId :

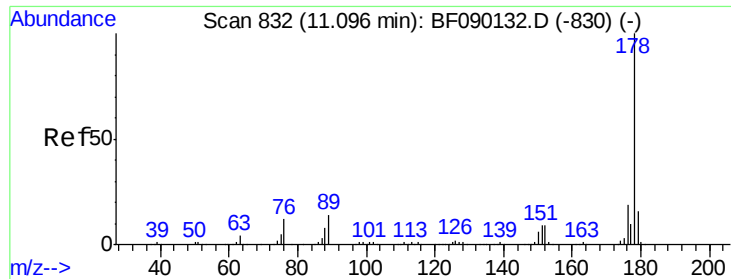
Tot Ion:188 Resp: 303803
Ion Ratio Lower Upper
188 100
94 7.8 10.5 15.7#
80 7.9 11.2 16.8#



#70
Phenanthrene
Concen: 26.24 ng
RT: 10.994 min Scan# 823
Delta R.T. -0.011 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

Tgt Ion:178 Resp: 372836
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.4 12.9 19.3





#71

Anthracene

Concen: 9.58 ng

RT: 11.039 min Scan# 82

Delta R.T. -0.023 min

Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

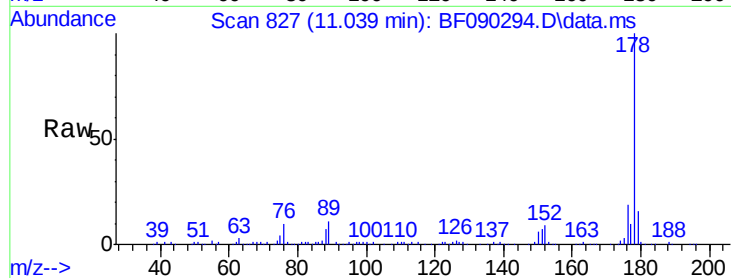
Instrument :

BNA_F

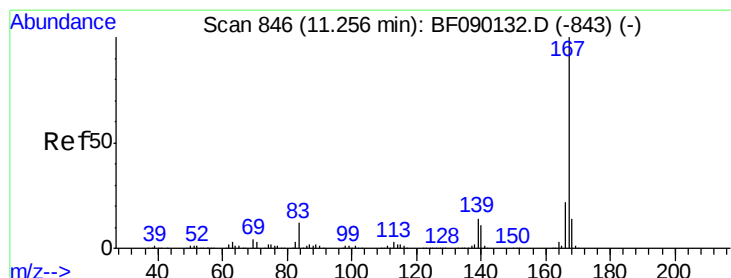
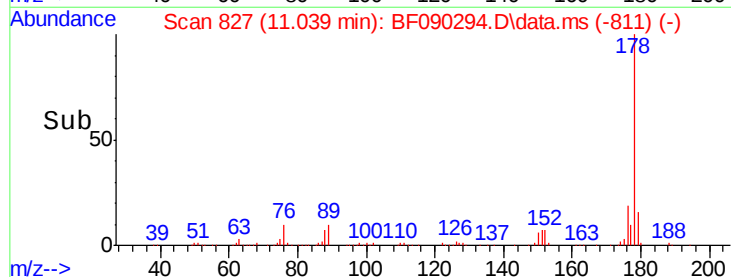
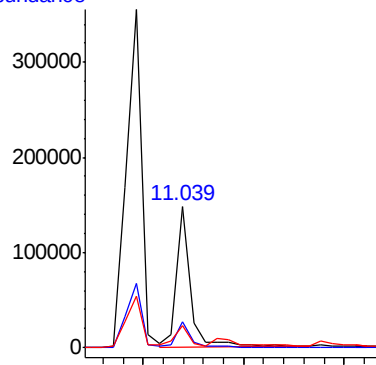
ClientSampleId :

Tot Ion:178 Resp: 142746

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.9	12.6	19.0



Abundance



#72

Carbazole

Concen: 3.54 ng

RT: 11.199 min Scan# 841

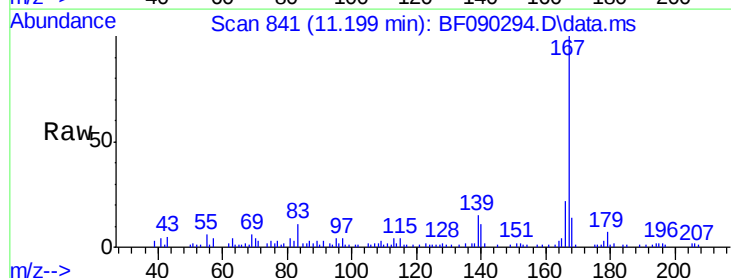
Delta R.T. -0.023 min

Lab File: BF090294.D

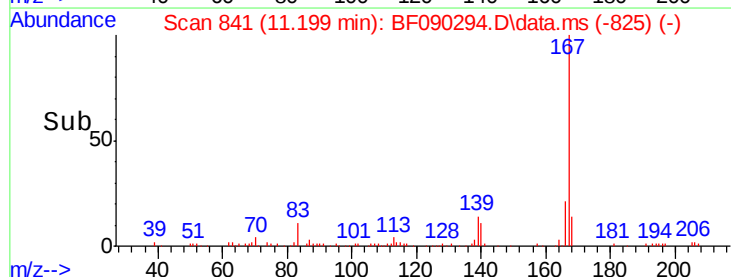
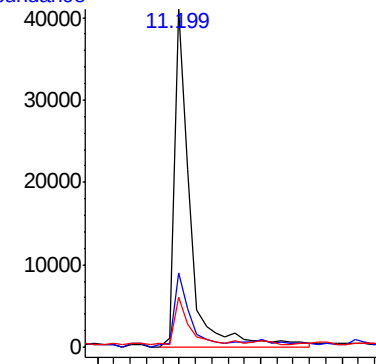
Acq: 29 Sep 2016 16:42

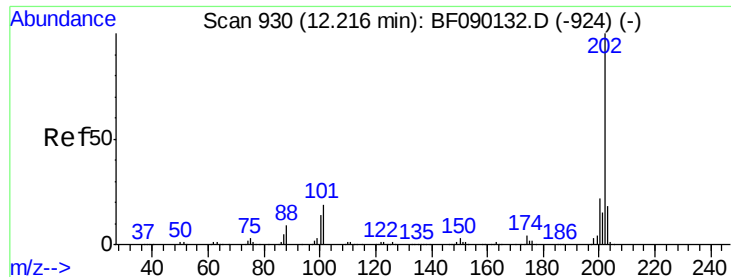
Tgt Ion:167 Resp: 55717

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	14.9	10.4	15.6



Abundance





#74

Fluoranthene

Concen: 38.60 ng

RT: 12.171 min Scan# 92

Delta R.T. -0.011 min

Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

Instrument :

BNA_F

ClientSampleId :

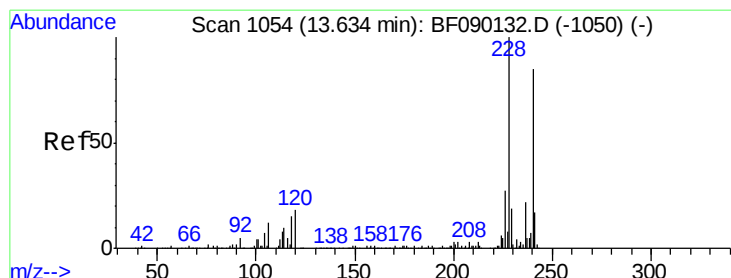
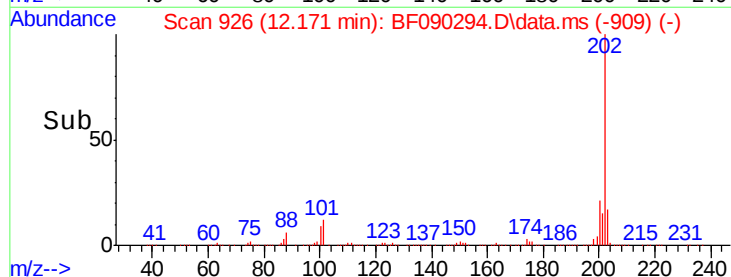
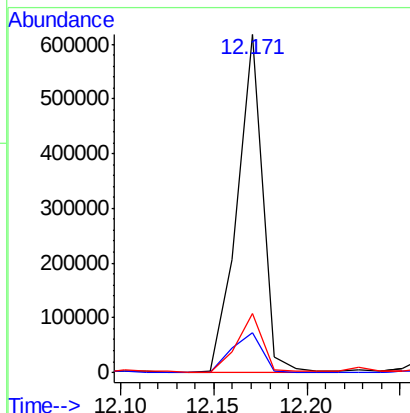
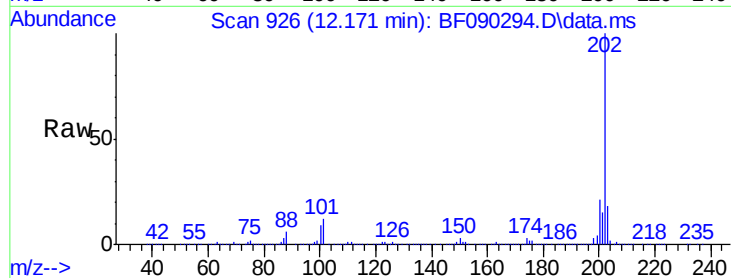
Tot Ion:202 Resp: 588688

Ion Ratio Lower Upper

202 100

101 11.9 0.0 36.1

203 17.6 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: BF090294.D

Acq: 29 Sep 2016 16:42

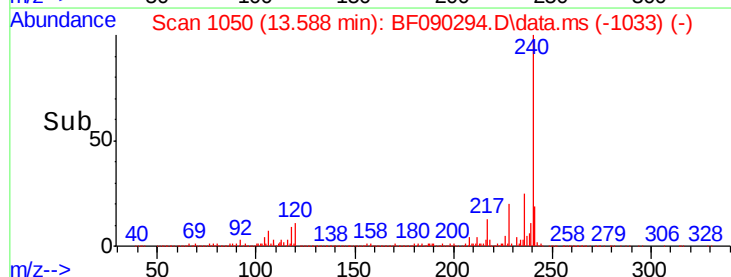
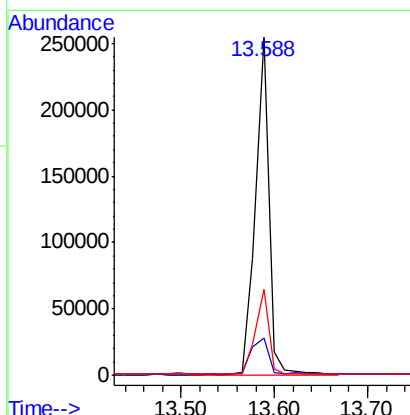
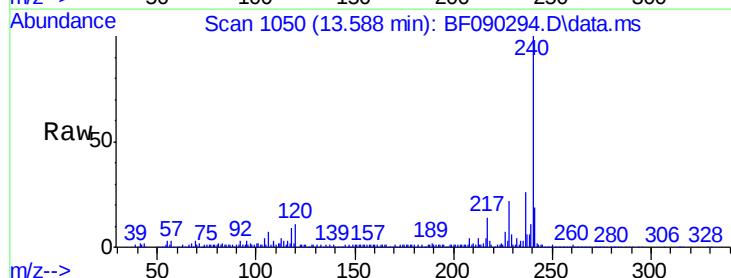
Tgt Ion:240 Resp: 254119

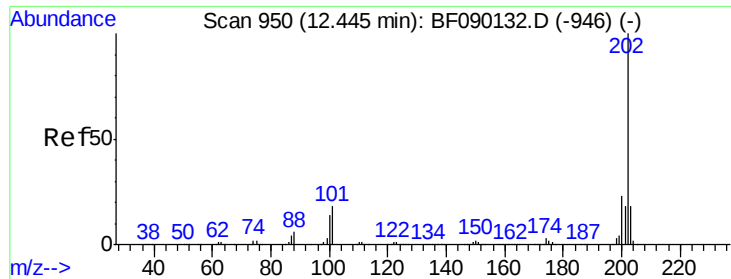
Ion Ratio Lower Upper

240 100

120 11.2 10.6 16.0

236 25.6 21.6 32.4

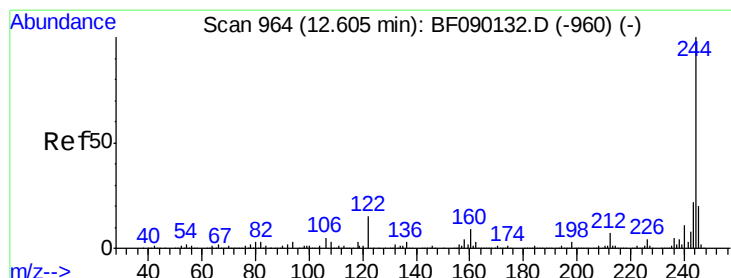
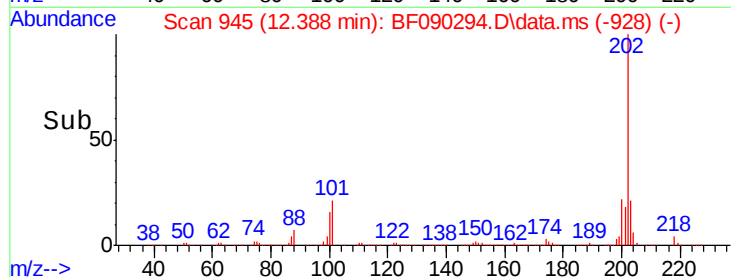
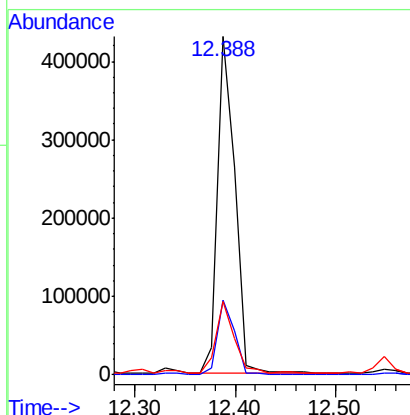
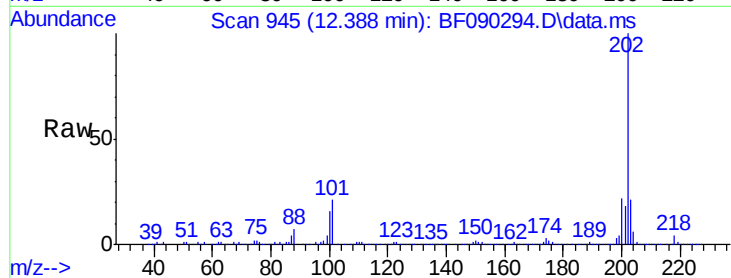




#77
Pvrene
Concen: 29.34 ng
RT: 12.388 min Scan# 941
Delta R.T. -0.011 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

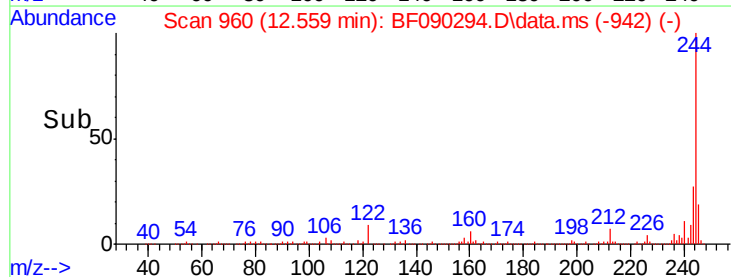
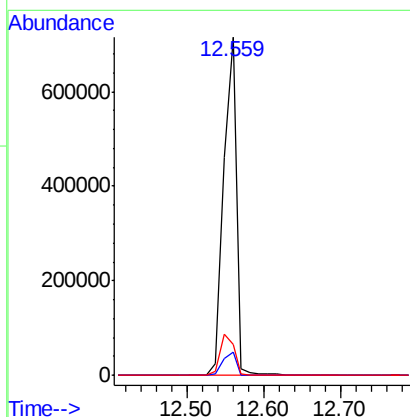
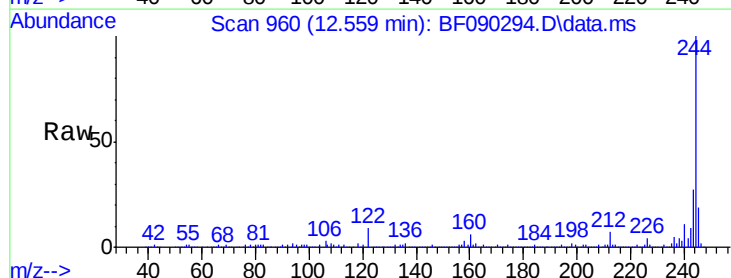
Instrument :
BNA_F
ClientSampleId :

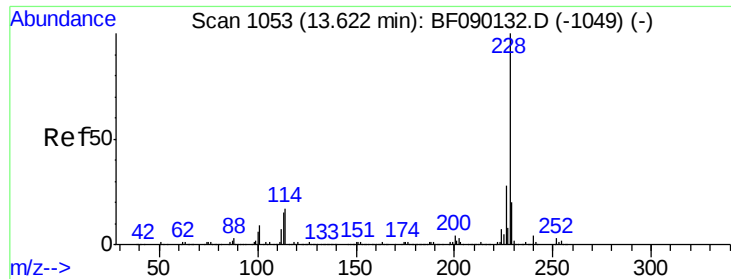
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.9	26.9
203	21.5	14.2	21.4



#78
Terphenyl-d14
Concen: 84.67 ng
RT: 12.559 min Scan# 960
Delta R.T. 0.000 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.1	9.4	14.0

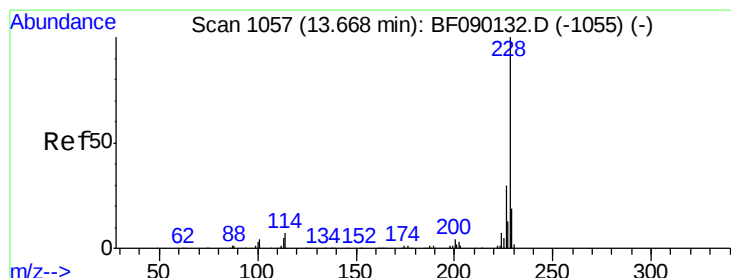
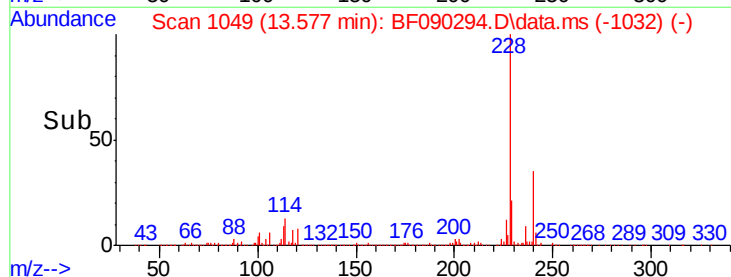
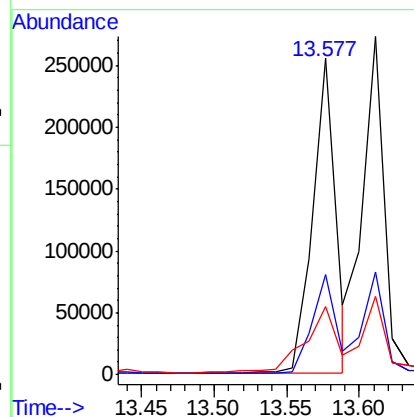
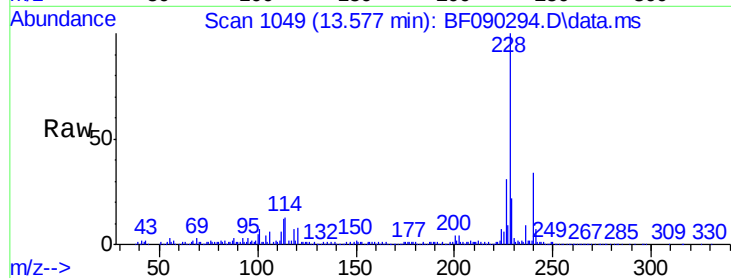




#80
Benzo(a)anthracene
Concen: 20.71 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

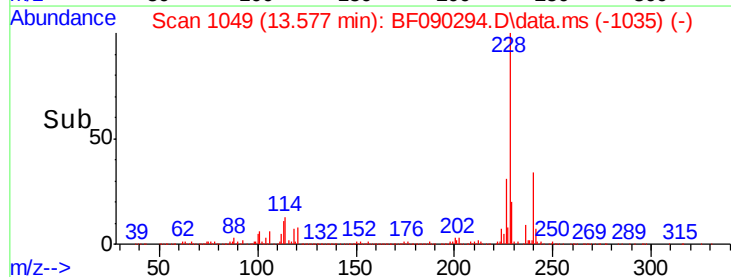
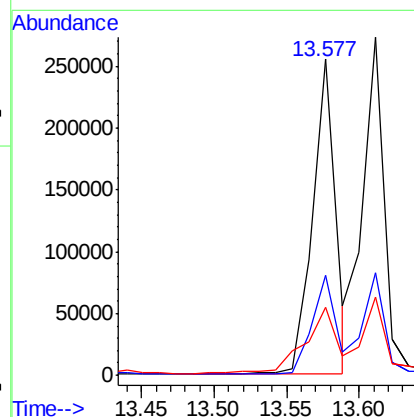
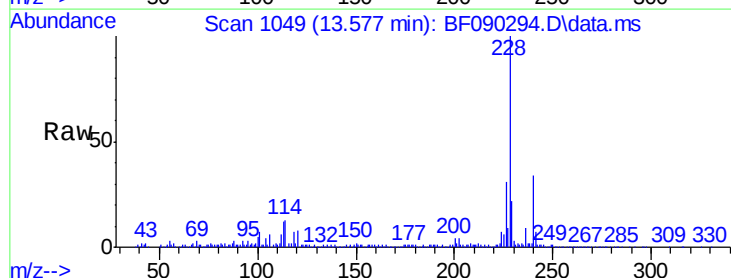
Instrument :
BNA_F
ClientSampleId :

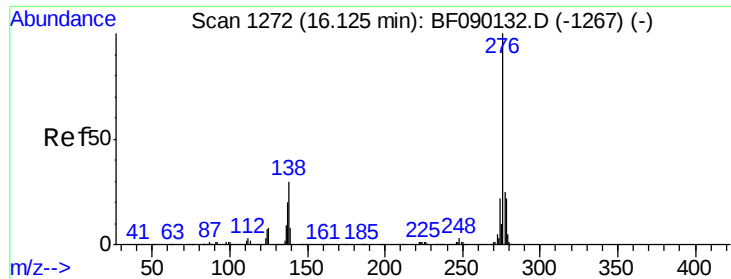
Tot Ion:	228	Resp:	283125
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.0	33.0
229	21.6	16.2	24.2



#82
Chrysene
Concen: 21.26 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.046 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

Tgt Ion:	228	Resp:	283125
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.6	37.0
229	21.6	16.2	24.4

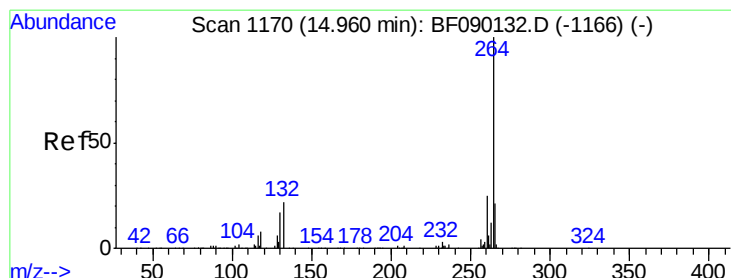
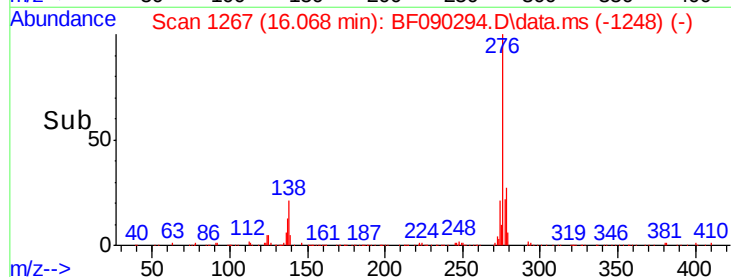
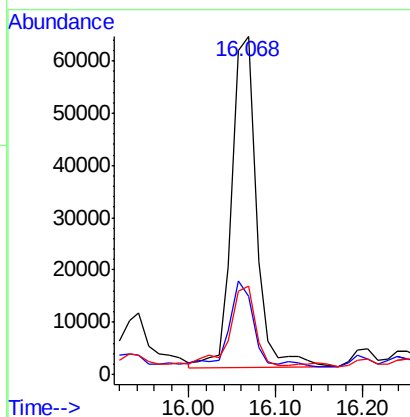
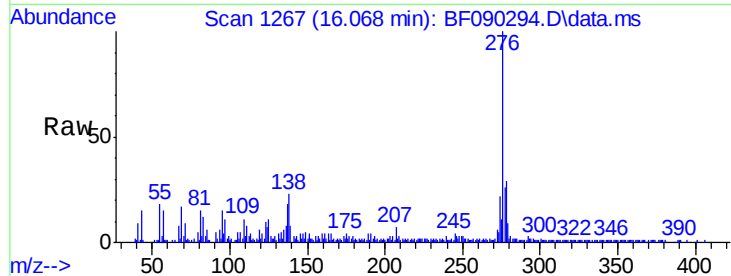




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.51 ng
RT: 16.068 min Scan# 1272
Delta R.T. 0.011 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

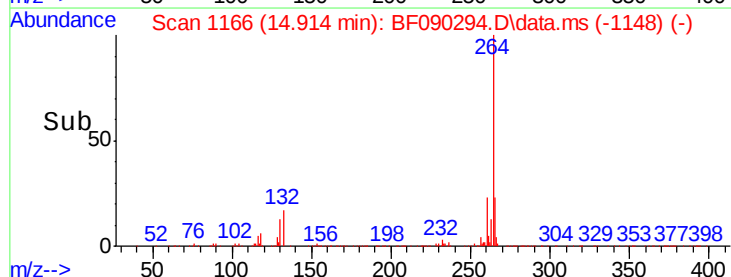
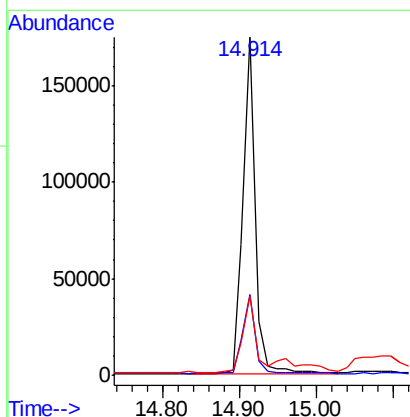
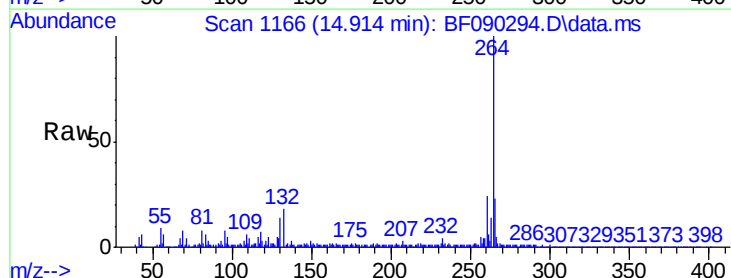
Instrument :
BNA_F
ClientSampleId :

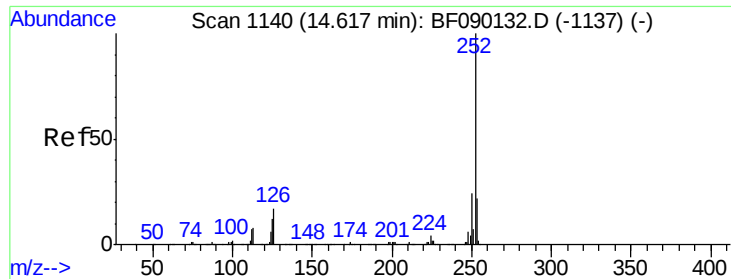
Tot Ion:	276	Resp:	123908
Ion Ratio		Lower	Upper
276	100		
138	26.0	25.9	38.9
277	27.4	19.9	29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.914 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

Tgt Ion:	264	Resp:	196207
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.4	17.0	25.4

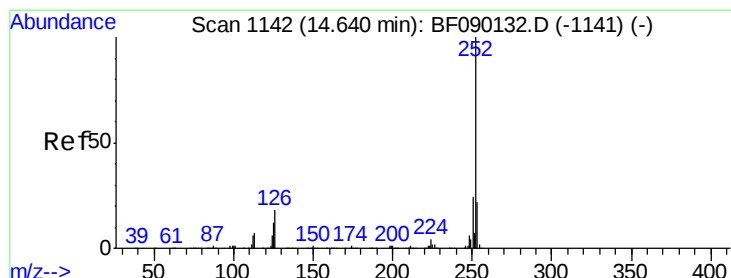
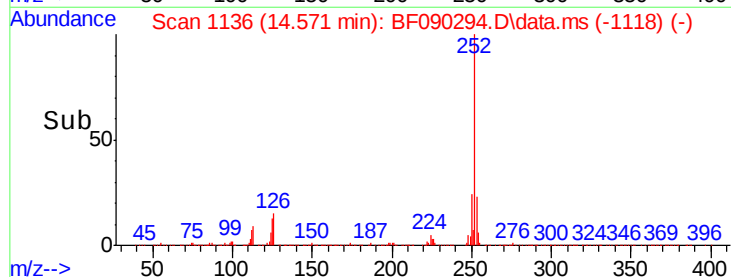
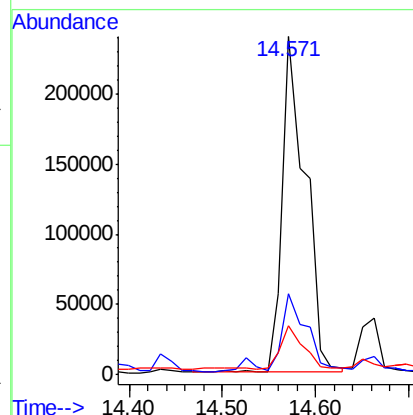
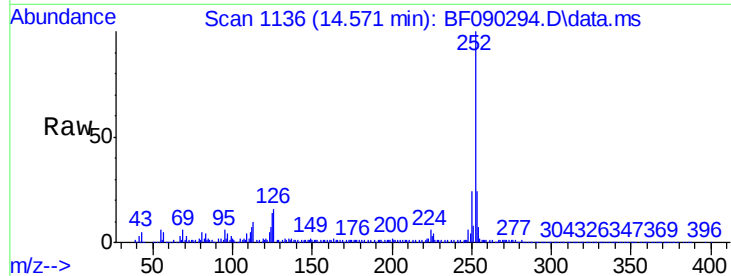




#87
Benzo(b)fluoranthene
Concen: 38.21 ng
RT: 14.571 min Scan# 111
Delta R.T. 0.000 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

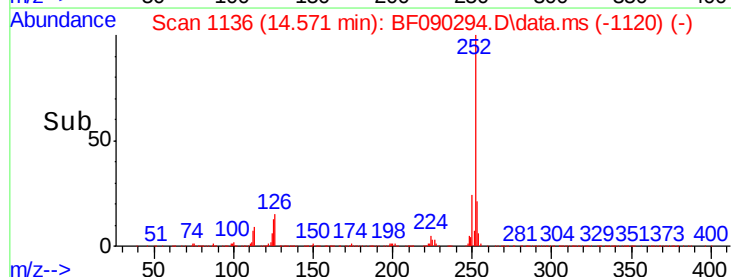
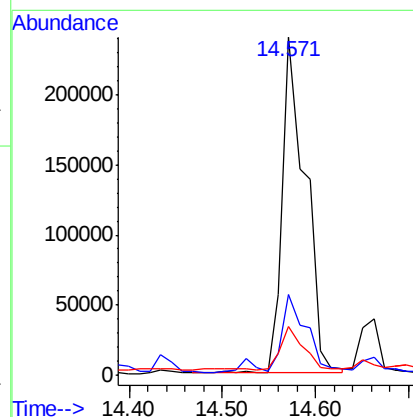
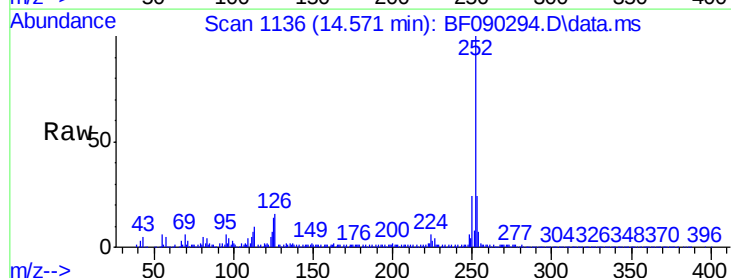
Instrument :
BNA_F
ClientSampleId :

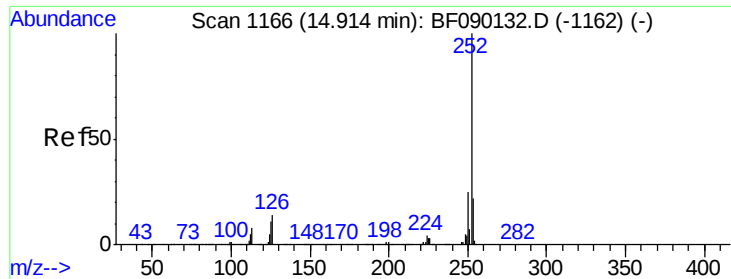
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	14.4	12.7	19.1



#88
Benzo(k)fluoranthene
Concen: 40.72 ng
RT: 14.571 min Scan# 1136
Delta R.T. -0.023 min
Lab File: BF090294.D
Acq: 29 Sep 2016 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	14.4	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 20.49 ng

RT: 14.857 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF090294.D

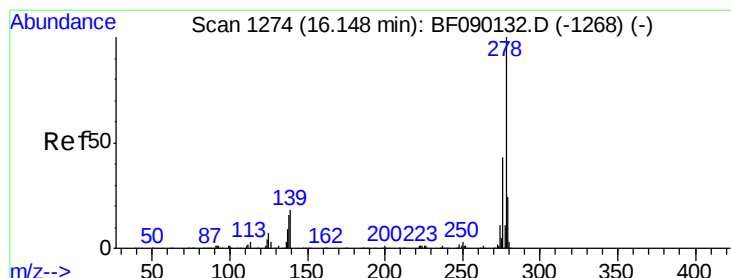
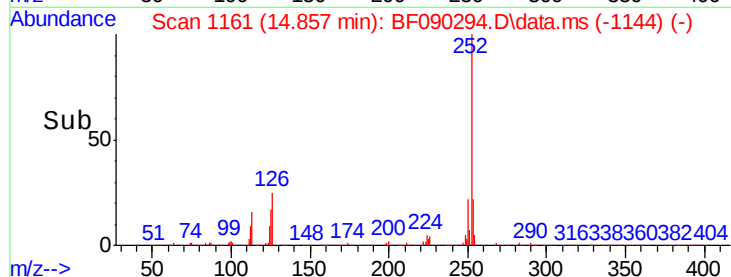
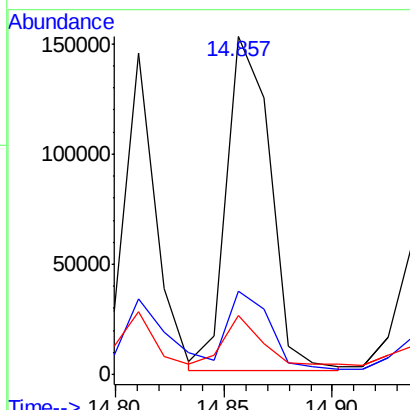
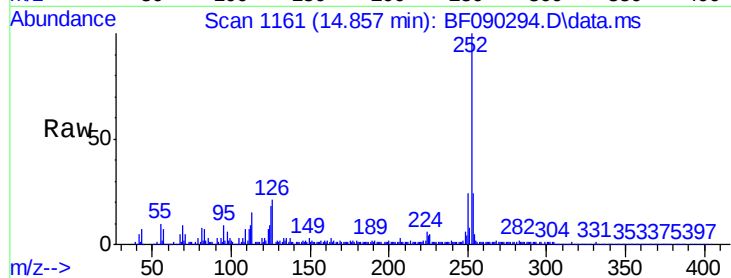
Acq: 29 Sep 2016 16:42

Instrument :

BNA_F

ClientSampled :

Tot Ion:	252	Resp:	209361
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.4	26.0
125	17.5	7.7	11.5#



#90

Dibenzo(a,h)anthracene

Concen: 4.23 ng

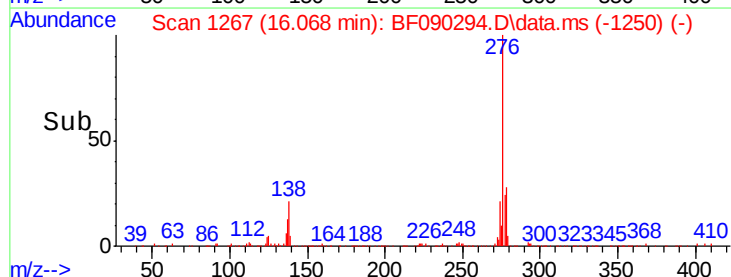
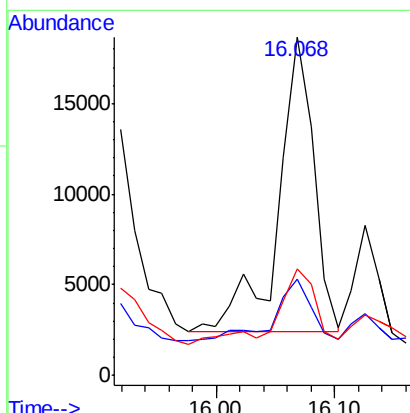
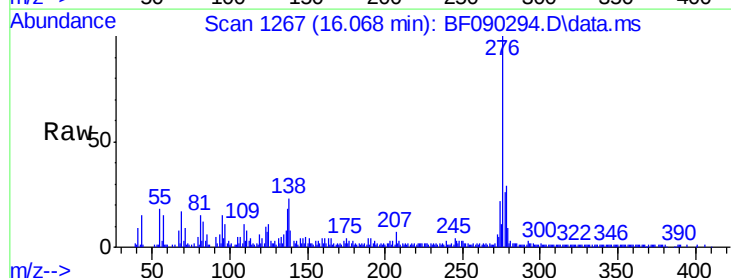
RT: 16.068 min Scan# 1267

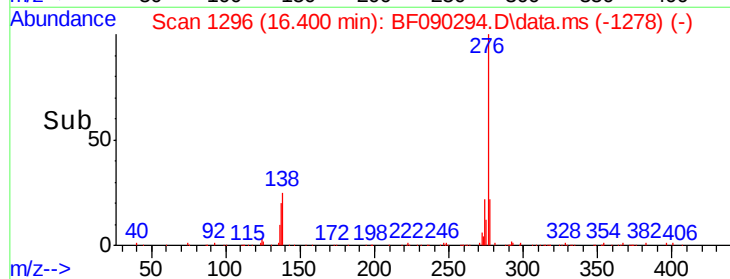
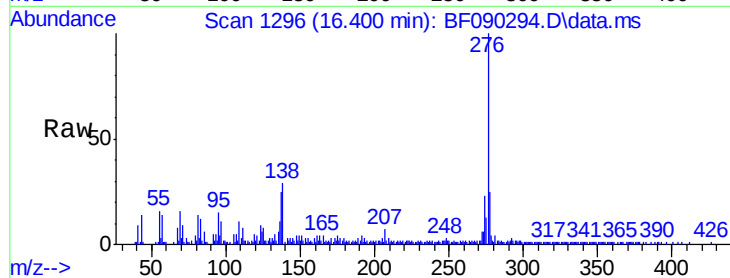
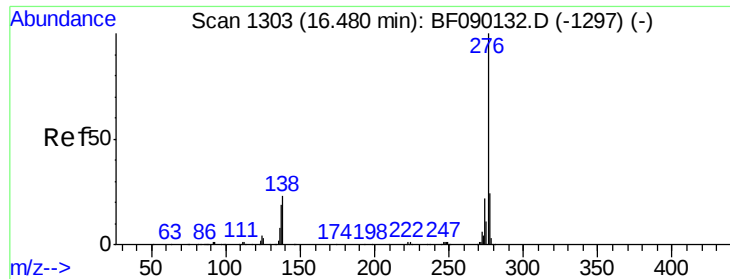
Delta R.T. -0.011 min

Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

Tgt Ion:	278	Resp:	33705
Ion Ratio	Lower	Upper	
278	100		
139	28.3	14.6	21.8#
279	31.4	18.8	28.2#





#91

Benzo(a,h,i)perylene

Concen: 14.94 ng

RT: 16.400 min Scan# 12

Delta R.T. 0.000 min

Lab File: BF090294.D

Acq: 29 Sep 2016 16:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 116626

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 29.2 23.3 34.9

