

Data Path : Z:\HPCHEM1\BNA F\Data\BF092816\
 Data File : BF090276.D
 Acq On : 28 Sep 2016 12:49
 Operator : UM/SJ
 Sample : H4949-05DL 50X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 17:06:38 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

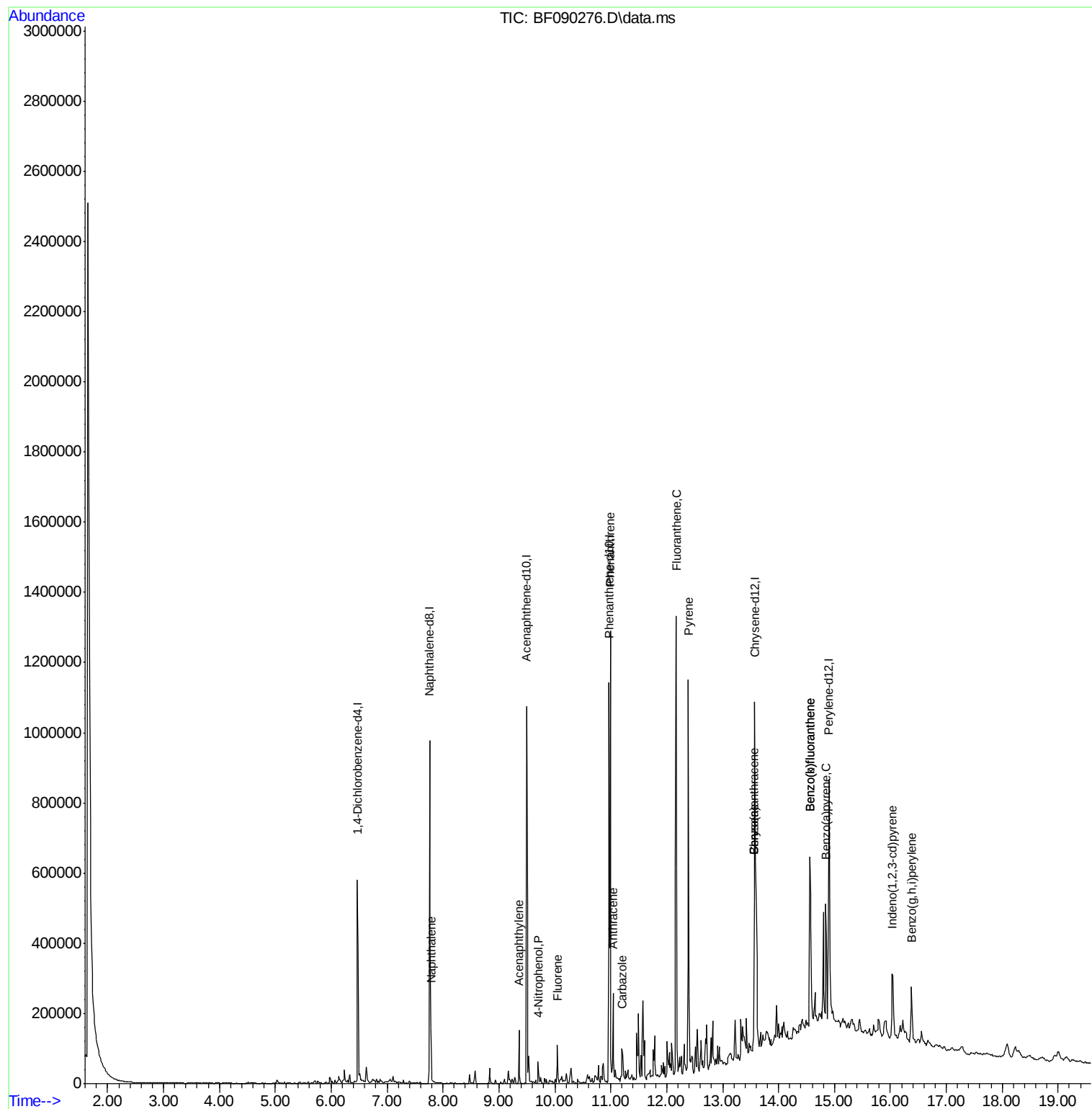
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.467	152	128781	20.00	ng	-0.01
21) Naphthalene-d8	7.759	136	530978	20.00	ng	-0.01
38) Acenaphthene-d10	9.496	164	282379	20.00	ng	-0.01
63) Phenanthrene-d10	10.971	188	458618	20.00	ng	-0.01
75) Chrysene-d12	13.577	240	282332	20.00	ng	-0.02
86) Perylene-d12	14.902	264	280885	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.027	112	8430	1.07	ng	0.00
7) Phenol-d6	6.136	99	14184	1.45	ng	0.00
23) Nitrobenzene-d5	7.050	82	9068	0.99	ng	-0.01
41) 2,4,6-Tribromophenol	10.285	330	3468	1.43	ng	-0.01
44) 2-Fluorobiphenyl	8.833	172	20960	1.46	ng	-0.02
78) Terphenyl-d14	12.548	244	18099	1.63	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.782	128	62046	2.45	ng	98
48) Acenaphthylene	9.359	152	63365	2.62	ng	98
55) 4-Nitrophenol	9.702	139	10142	3.15	ng	# 17
57) Fluorene	10.045	166	41735	2.93	ng	98
70) Phenanthrene	10.994	178	476819	22.23	ng	99
71) Anthracene	11.039	178	114552	5.09	ng	98
72) Carbazole	11.211	167	67908	2.86	ng	98
74) Fluoranthene	12.171	202	589278	25.60	ng	94
77) Pyrene	12.388	202	434496	22.49	ng	98
80) Benzo(a)anthracene	13.565	228	219239	14.43	ng	# 92
82) Chrysene	13.565	228	219239	14.82	ng	96
85) Indeno(1,2,3-cd)pyrene	16.034	276	125258	10.47	ng	# 90
87) Benzo(b)fluoranthene	14.560	252	341926	21.98	ng	99
88) Benzo(k)fluoranthene	14.560	252	341926	23.42	ng	# 95
89) Benzo(a)pyrene	14.845	252	175592	12.00	ng	# 91
91) Benzo(g,h,i)perylene	16.377	276	108121	9.68	ng	96

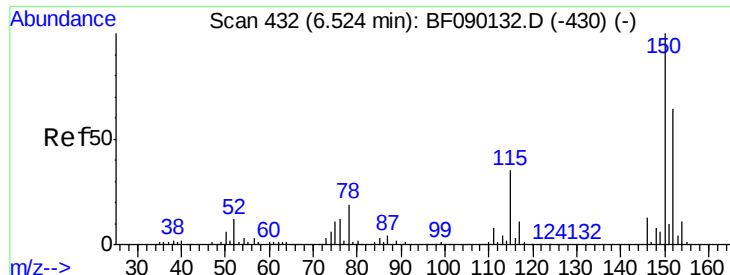
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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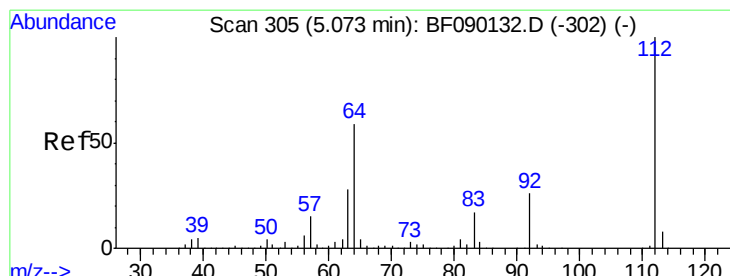
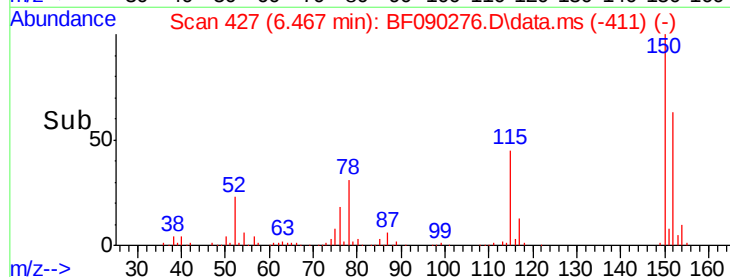
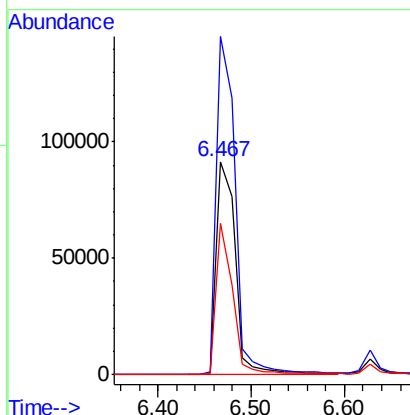
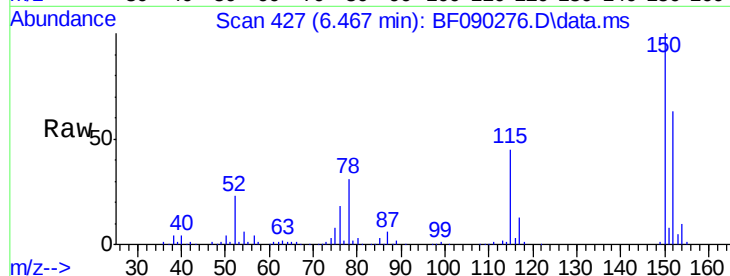




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.467 min Scan# 42
 Delta R.T. -0.011 min
 Lab File: BF090276.D
 Acq: 28 Sep 2016 12:49

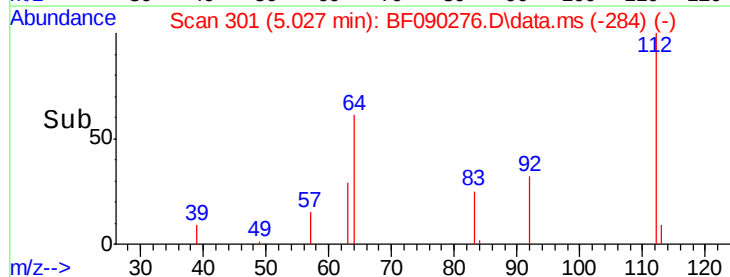
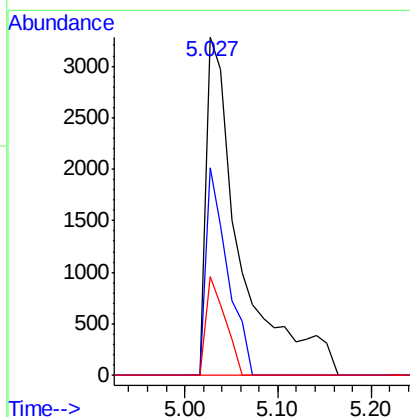
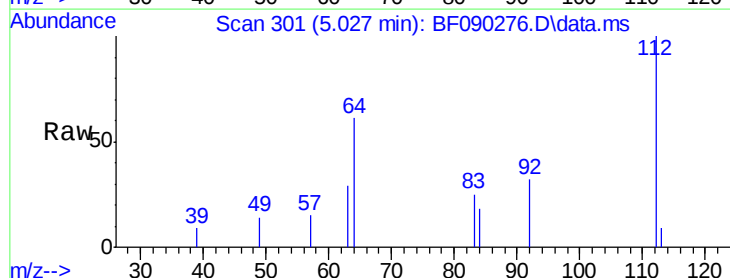
Instrument :
 BNA_F
 ClientSampleId :

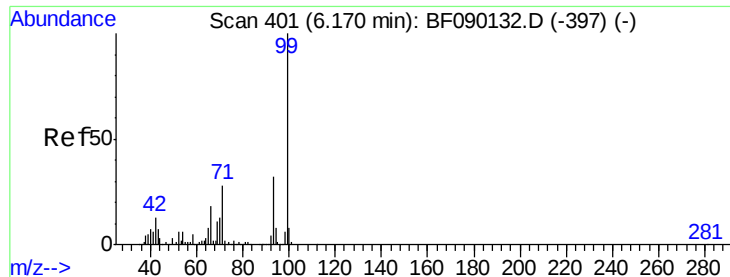
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	128.9	193.3
115	70.7	55.5	83.3



#5
 2-Fluorophenol
 Concen: 1.07 ng
 RT: 5.027 min Scan# 301
 Delta R.T. -0.000 min
 Lab File: BF090276.D
 Acq: 28 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	39.8	59.6#
63	29.4	18.9	28.3#





#7

Phenol-d6

Concen: 1.45 ng

RT: 6.136 min Scan# 39

Delta R.T. -0.000 min

Lab File: BF090276.D

Acq: 28 Sep 2016 12:49

Instrument :

BNA_F

ClientSampleId :

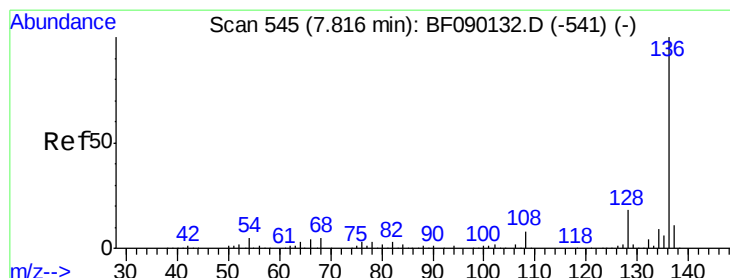
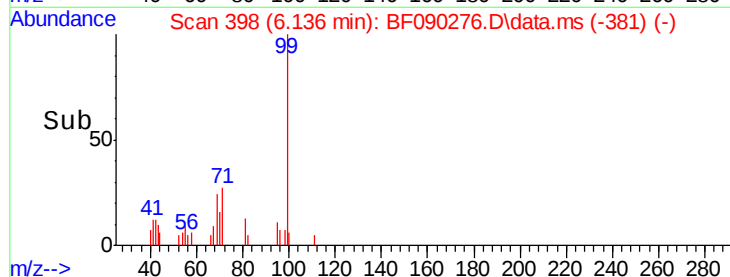
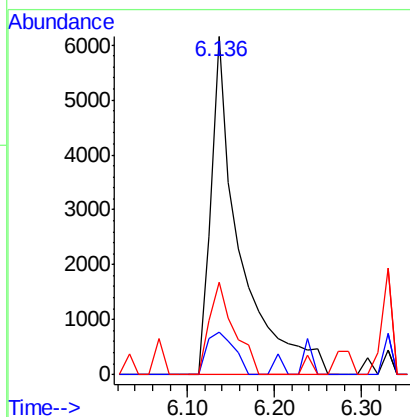
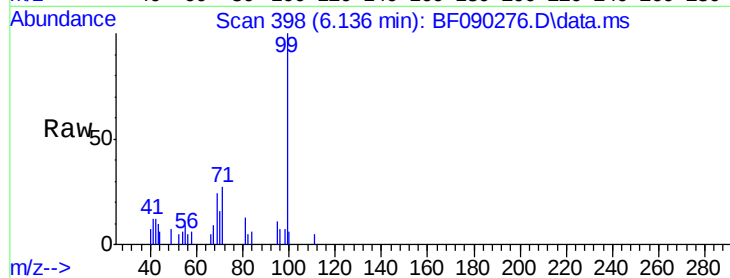
Tot Ion: 99 Resp: 14184

Ion Ratio Lower Upper

99 100

42 12.5 10.6 15.8

71 27.2 23.0 34.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.759 min Scan# 540

Delta R.T. -0.011 min

Lab File: BF090276.D

Acq: 28 Sep 2016 12:49

Tgt Ion: 136 Resp: 530978

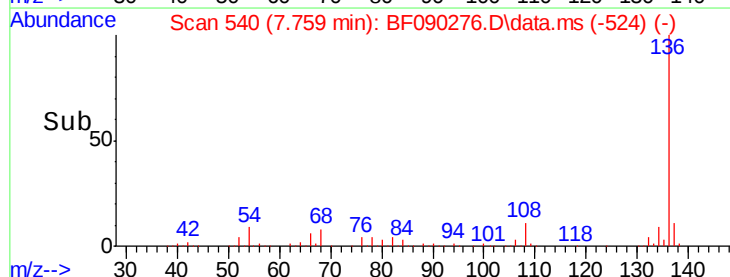
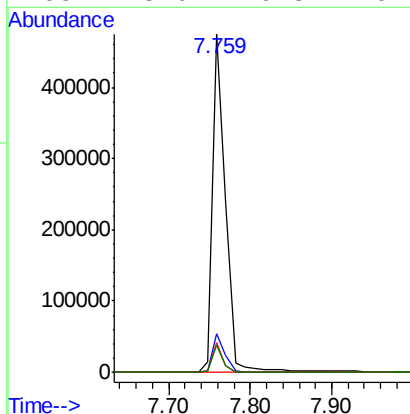
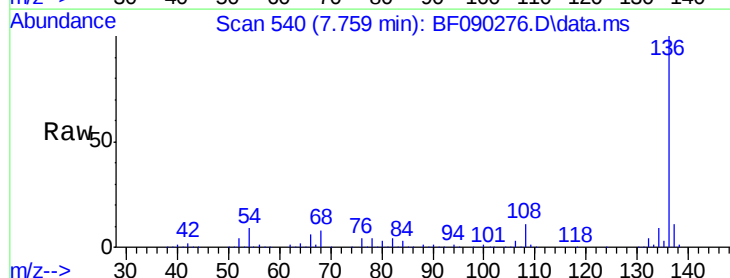
Ion Ratio Lower Upper

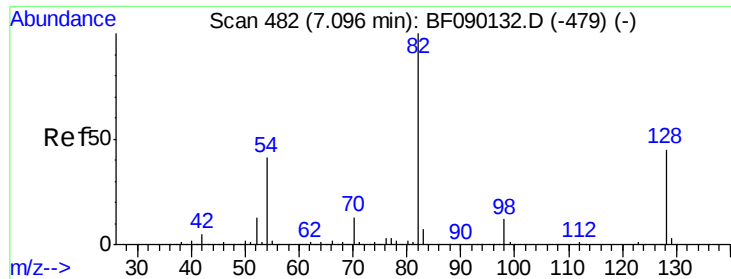
136 100

137 11.3 9.0 13.4

54 8.6 6.4 9.6

68 8.0 6.3 9.5

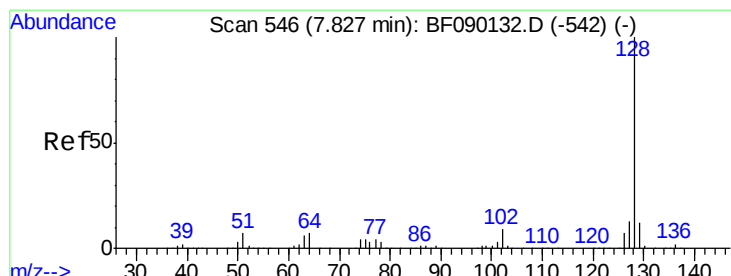
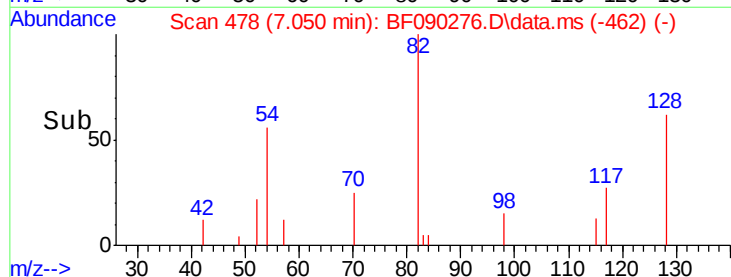
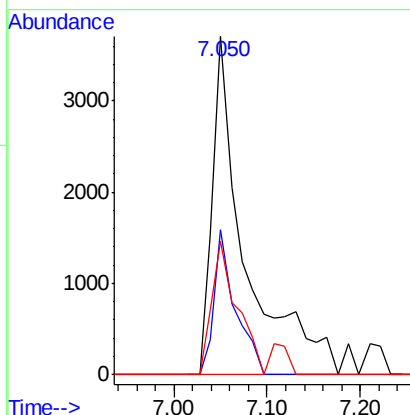
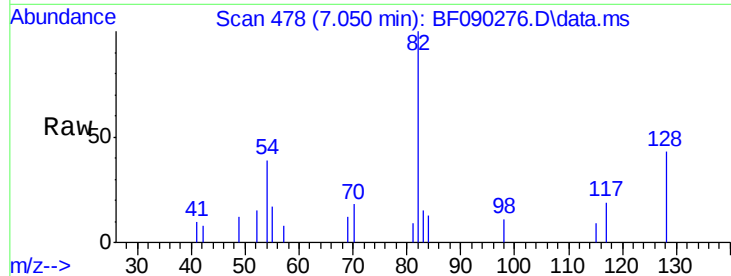




#23
Nitrobenzene-d5
Concen: 0.99 ng
RT: 7.050 min Scan# 47
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

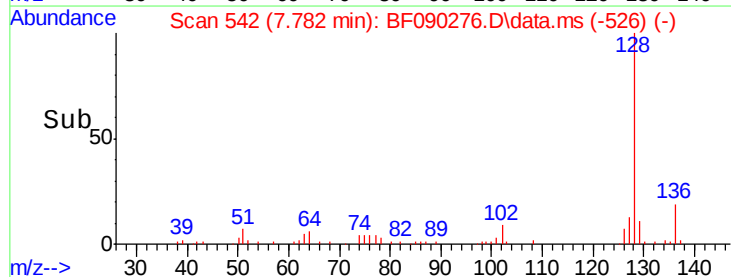
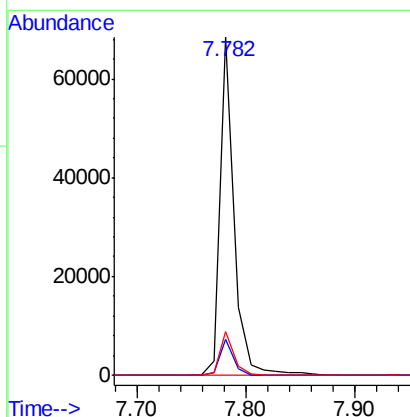
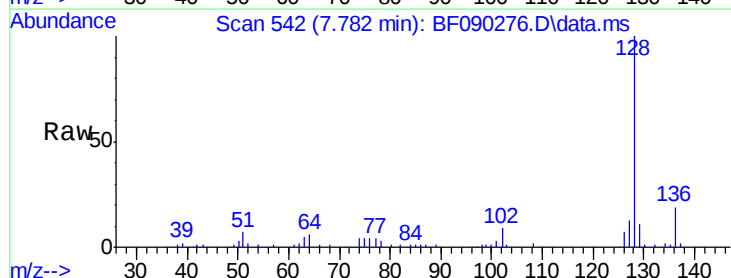
Instrument :
BNA_F
ClientSampleId :

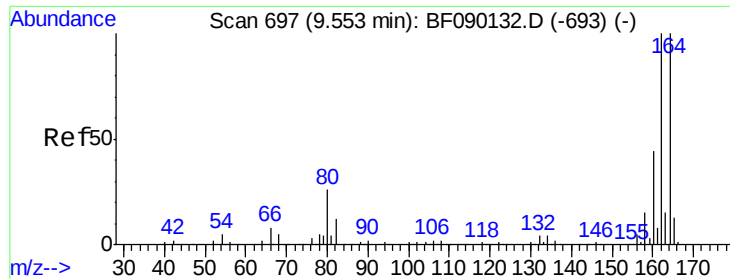
Tot Ion	82	Resp	9068
Ion Ratio	100	Lower	Upper
128	42.9	37.5	56.3
54	39.3	31.9	47.9



#31
Naphthalene
Concen: 2.45 ng
RT: 7.782 min Scan# 542
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

Tgt Ion	128	Resp	62046
Ion Ratio	100	Lower	Upper
129	10.8	9.3	13.9
127	12.8	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.496 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF090276.D

Acq: 28 Sep 2016 12:49

Instrument :

BNA_F

ClientSampleId :

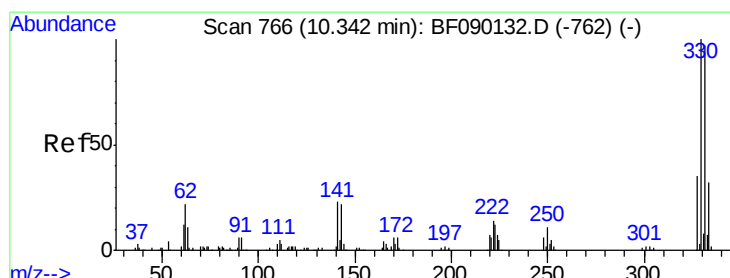
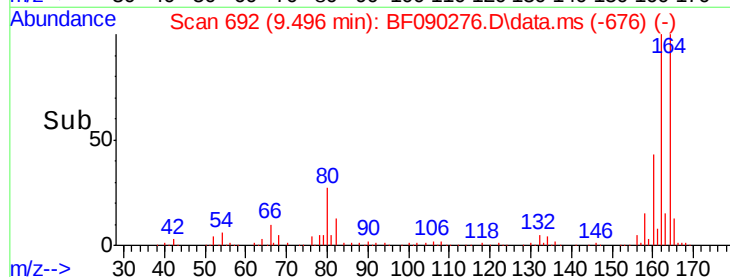
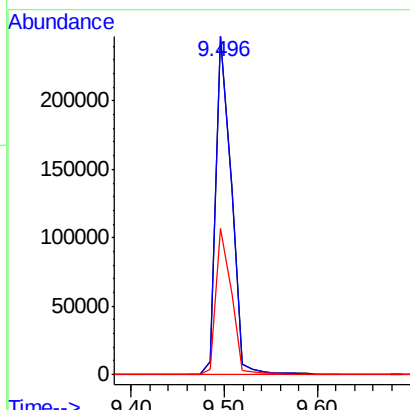
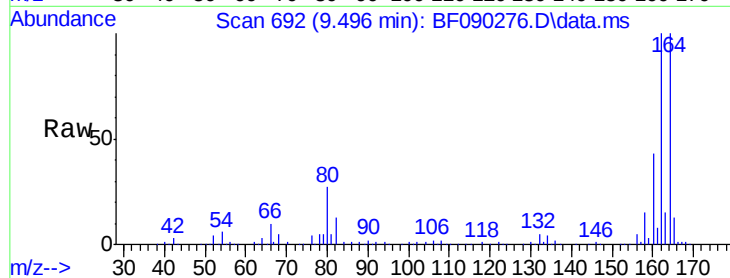
Tot Ion:164 Resp: 282379

Ion Ratio Lower Upper

164 100

162 100.2 81.4 122.2

160 43.4 36.6 54.8



#41

2,4,6-Tribromophenol

Concen: 1.43 ng

RT: 10.285 min Scan# 761

Delta R.T. -0.011 min

Lab File: BF090276.D

Acq: 28 Sep 2016 12:49

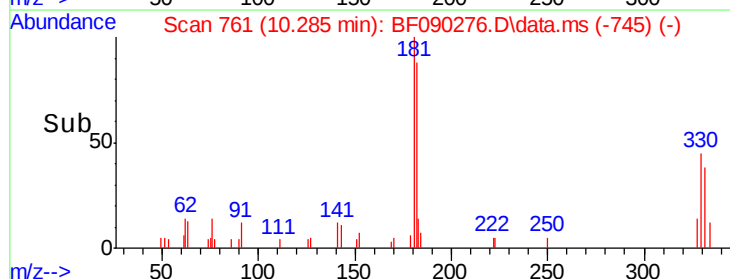
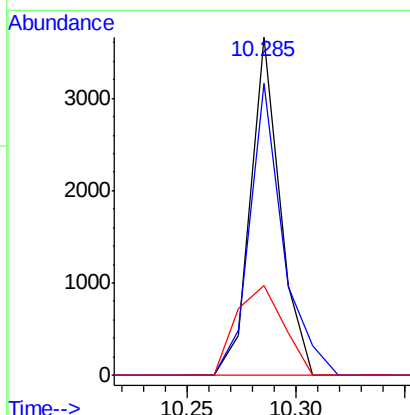
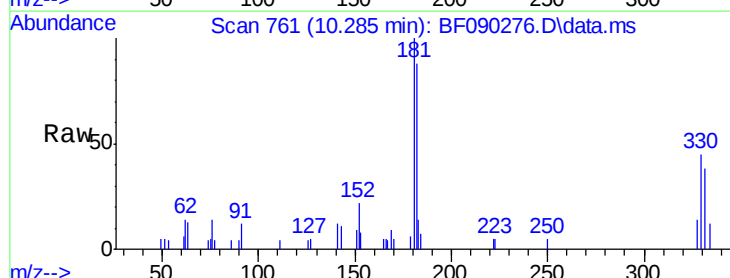
Tgt Ion:330 Resp: 3468

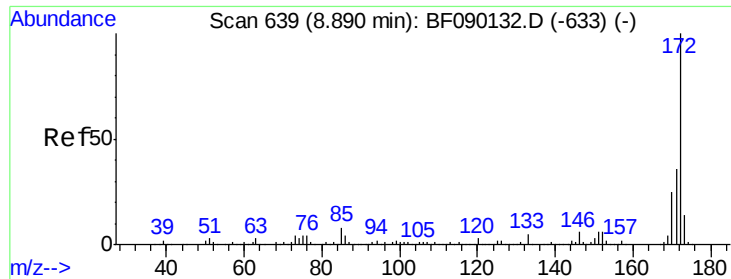
Ion Ratio Lower Upper

330 100

332 97.6 78.1 117.1

141 42.4 23.9 35.9#

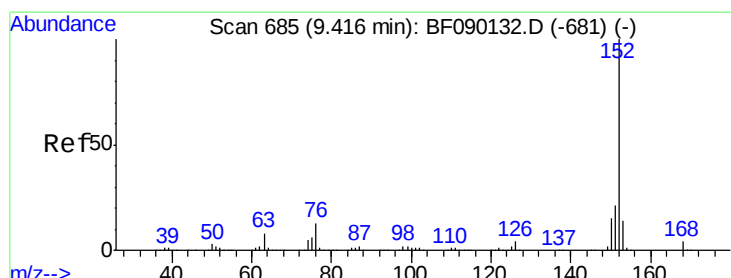
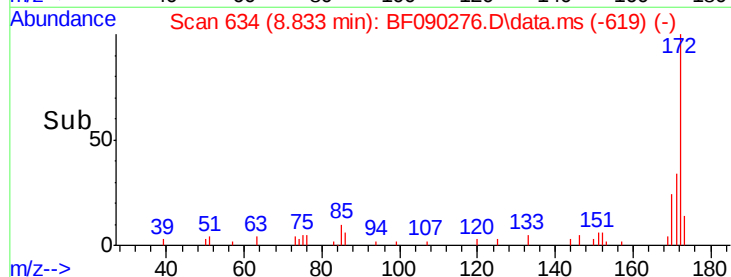
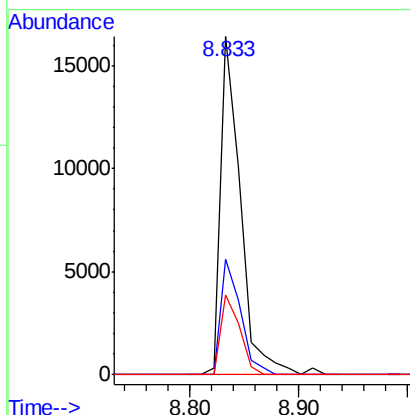
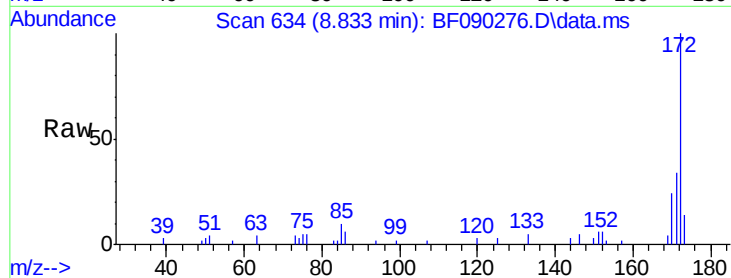




#44
2-Fluorobiphenyl
Concen: 1.46 ng
RT: 8.833 min Scan# 63
Delta R.T. -0.023 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

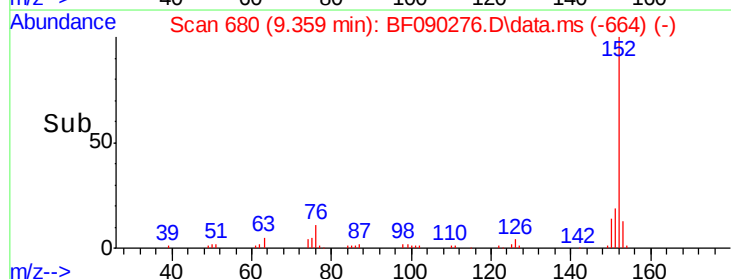
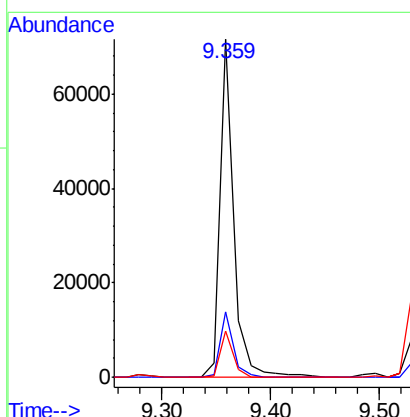
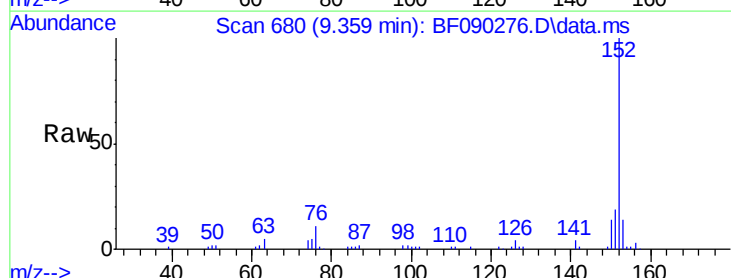
Instrument :
BNA_F
ClientSampleId :

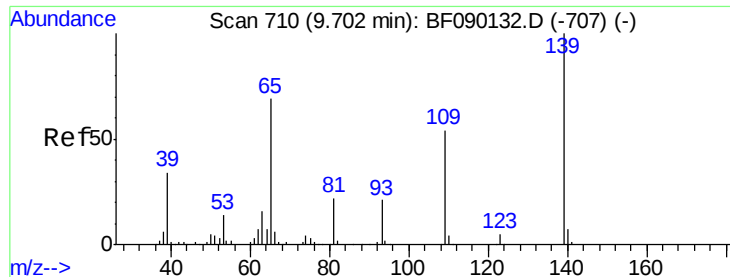
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.2	43.8
170	23.6	19.8	29.8



#48
Acenaphthylene
Concen: 2.62 ng
RT: 9.359 min Scan# 680
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.5	24.7
153	13.8	10.6	15.8

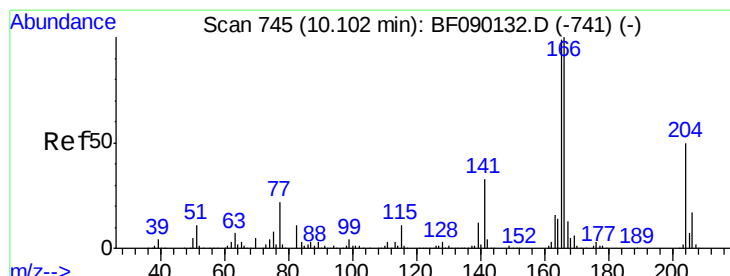
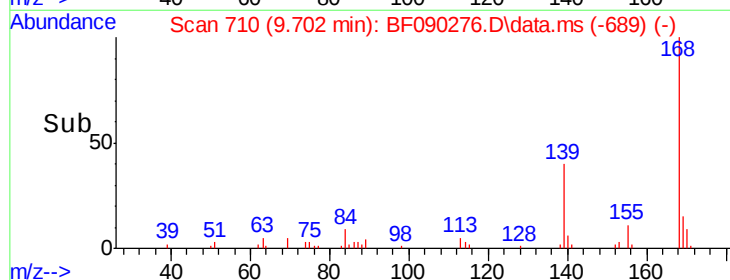
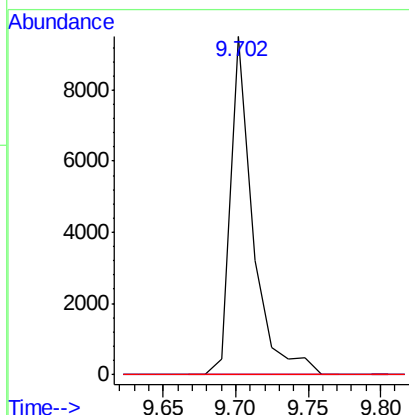
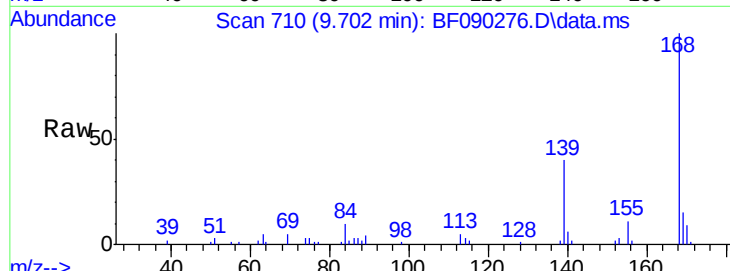




#55
4-Nitrophenol
Concen: 3.15 ng
RT: 9.702 min Scan# 710
Delta R.T. 0.046 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

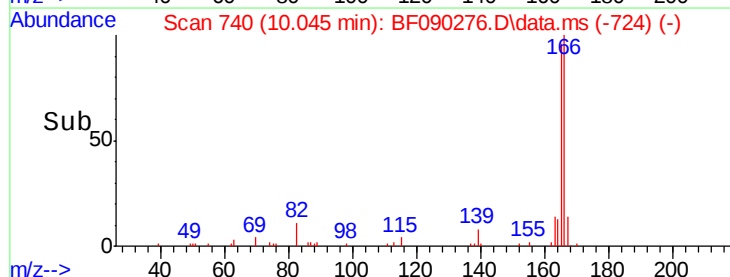
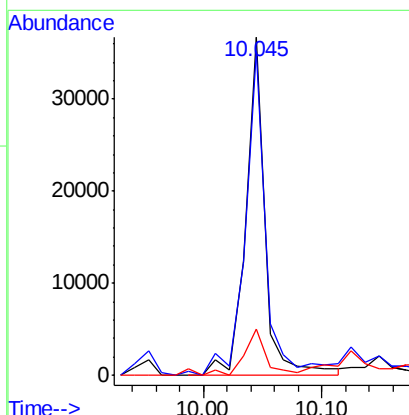
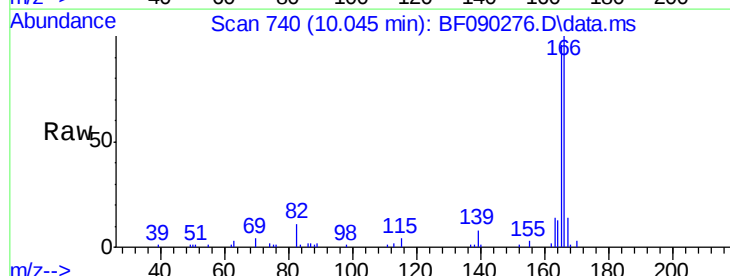
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ClientSampleId :

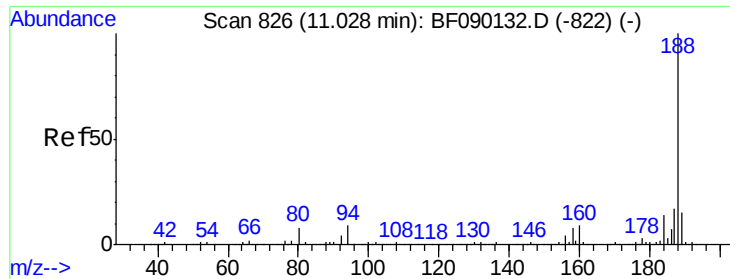
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	35.6	75.6#
65	0.0	55.5	95.5#



#57
Fluorene
Concen: 2.93 ng
RT: 10.045 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.5	117.7
167	13.6	11.2	16.8

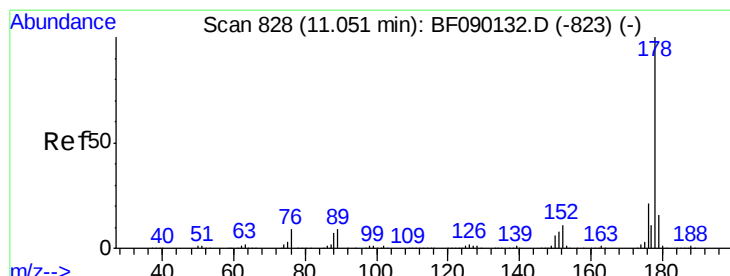
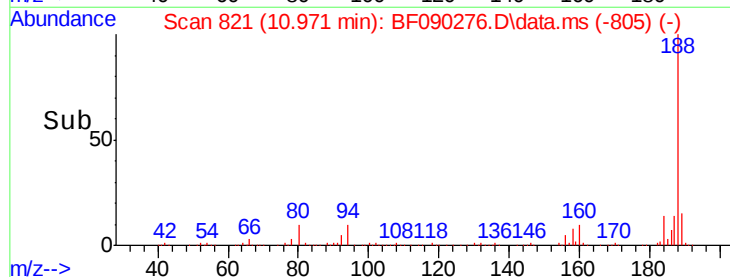
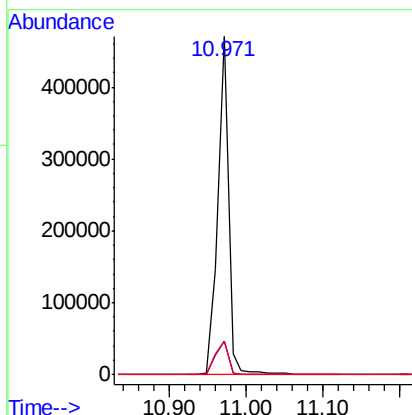
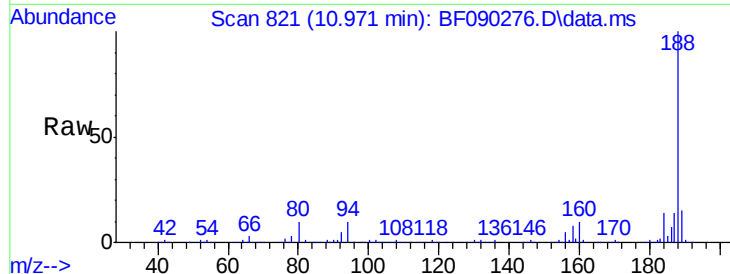




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.971 min Scan# 821
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

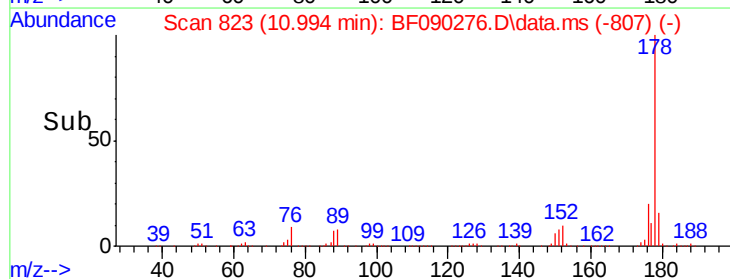
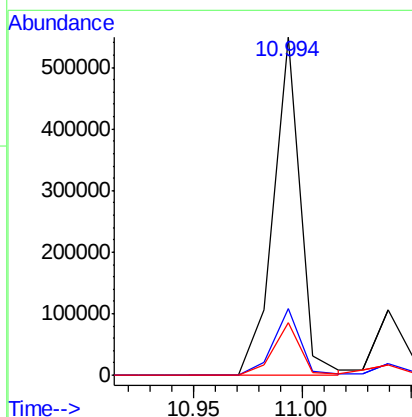
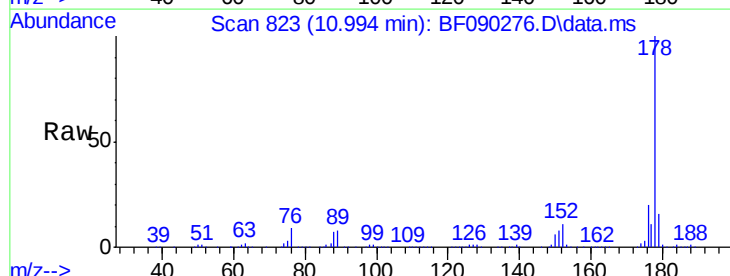
Instrument :
BNA_F
ClientSampleId :

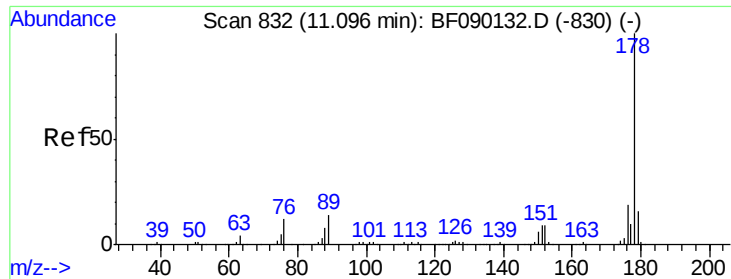
Tot Ion:188 Resp: 458618
Ion Ratio Lower Upper
188 100
94 9.9 10.5 15.7#
80 9.9 11.2 16.8#



#70
Phenanthrene
Concen: 22.23 ng
RT: 10.994 min Scan# 823
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

Tgt Ion:178 Resp: 476819
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.7 12.9 19.3

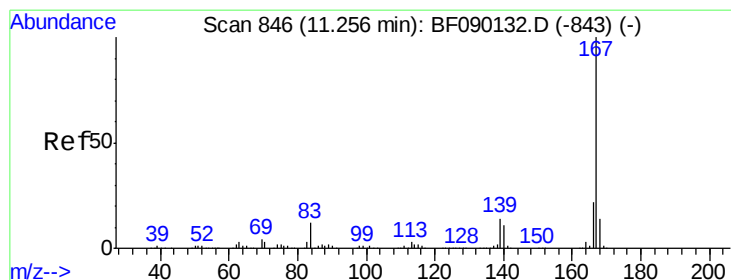
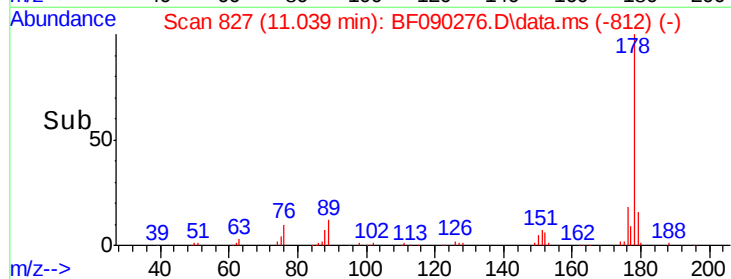
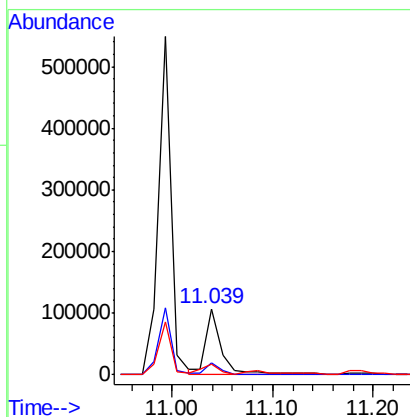
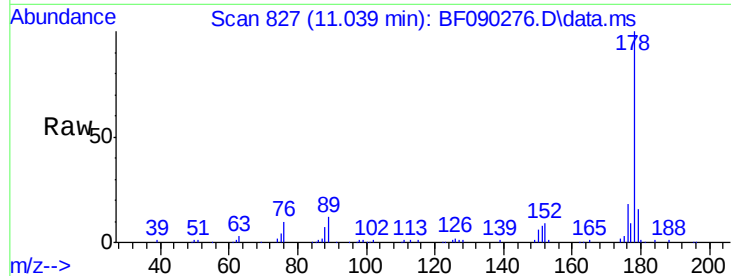




#71
 Anthracene
 Concen: 5.09 ng
 RT: 11.039 min Scan# 82
 Delta R.T. -0.023 min
 Lab File: BF090276.D
 Acq: 28 Sep 2016 12:49

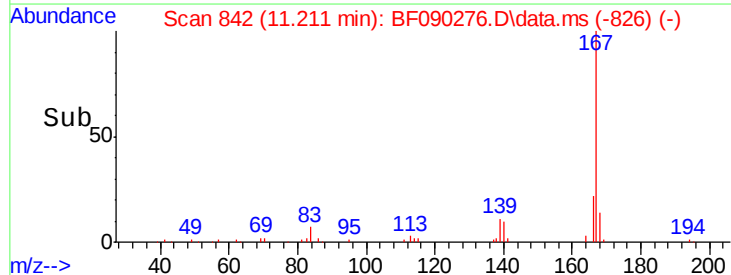
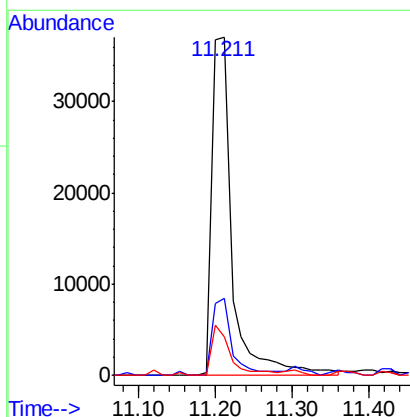
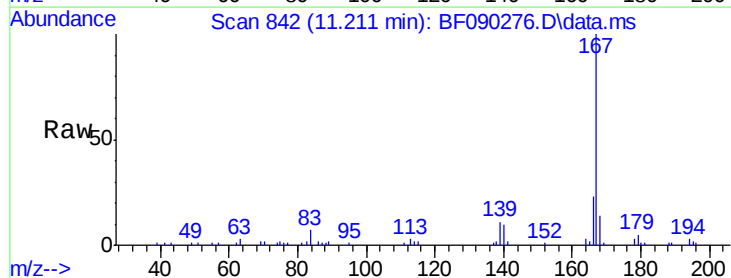
Instrument :
 BNA_F
 ClientSampleId :

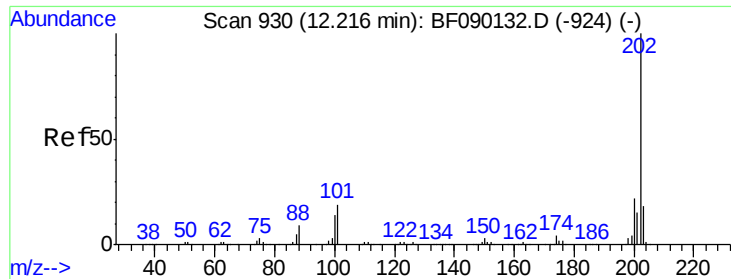
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.6
179	15.8	12.6	19.0



#72
 Carbazole
 Concen: 2.86 ng
 RT: 11.211 min Scan# 842
 Delta R.T. -0.011 min
 Lab File: BF090276.D
 Acq: 28 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.0	27.0
139	11.4	10.4	15.6

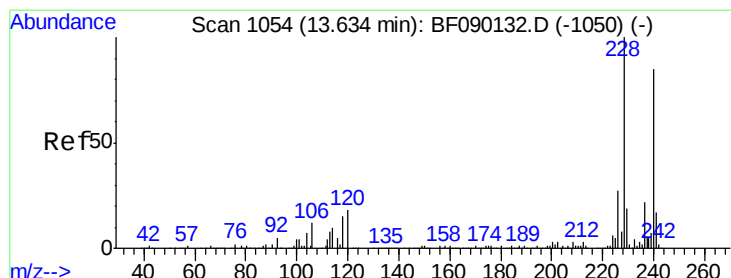
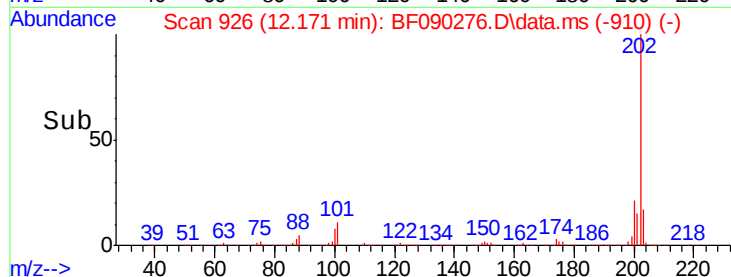
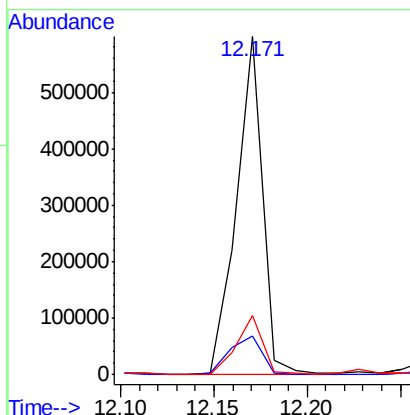
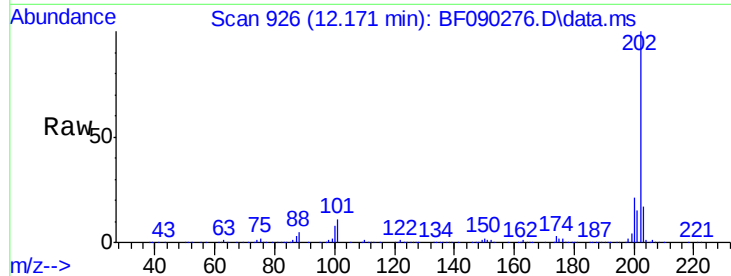




#74
Fluoranthene
Concen: 25.60 ng
RT: 12.171 min Scan# 92
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

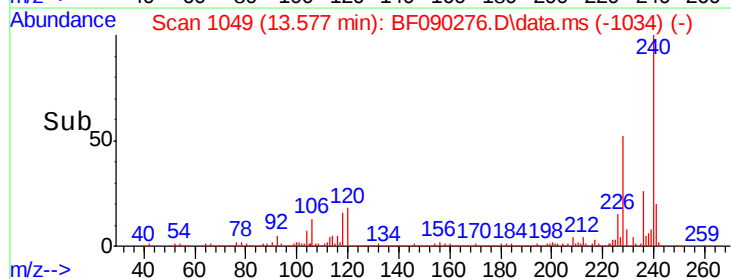
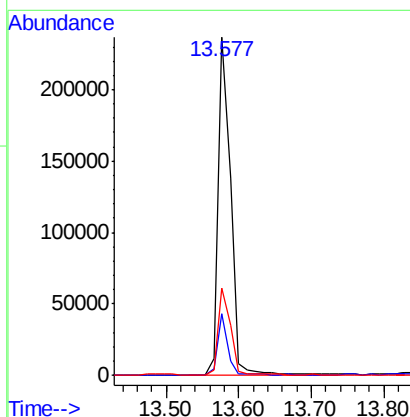
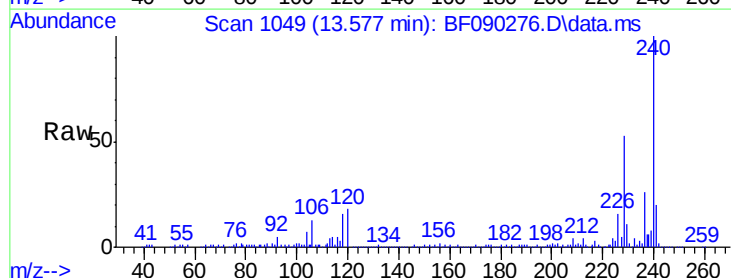
Instrument :
BNA_F
ClientSampleId :

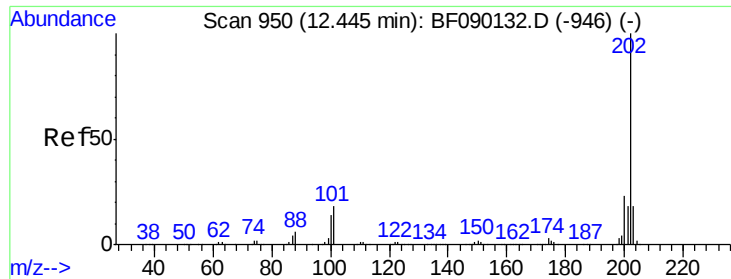
Tot Ion	Ratio	Resp	Lower	Upper
202	100	589278		
101	11.2		0.0	36.1
203	17.3		0.0	38.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.023 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	282332		
120	18.1		10.6	16.0#
236	26.0		21.6	32.4

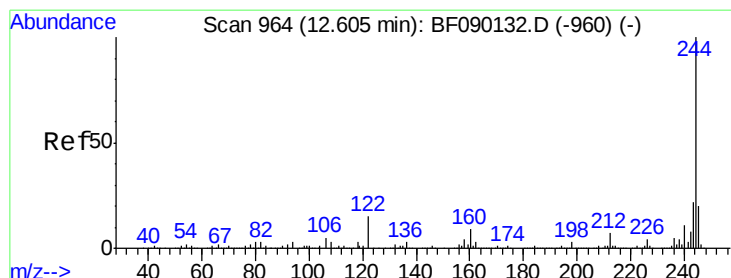
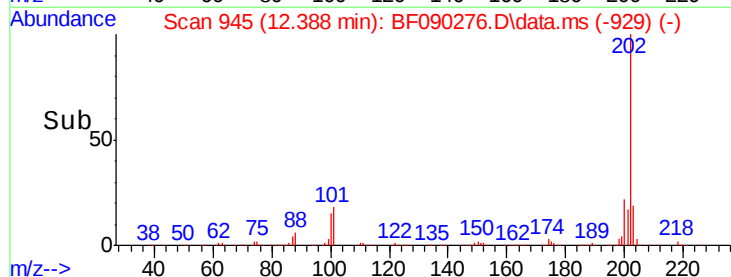
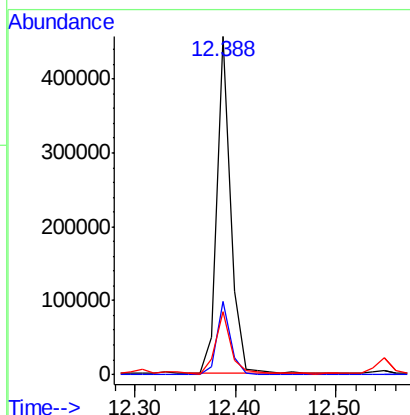
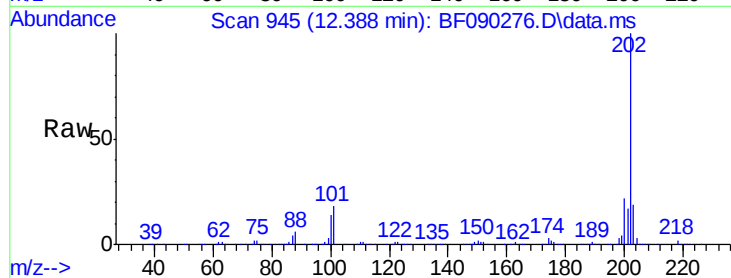




#77
Pvrene
Concen: 22.49 ng
RT: 12.388 min Scan# 94
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

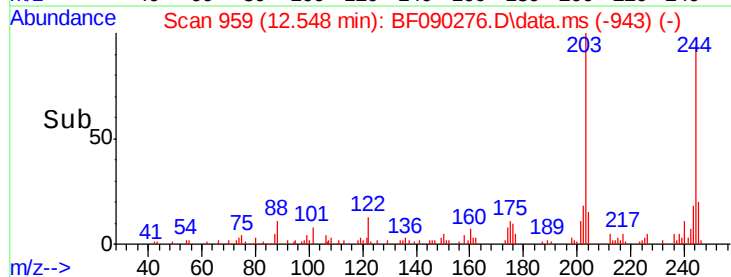
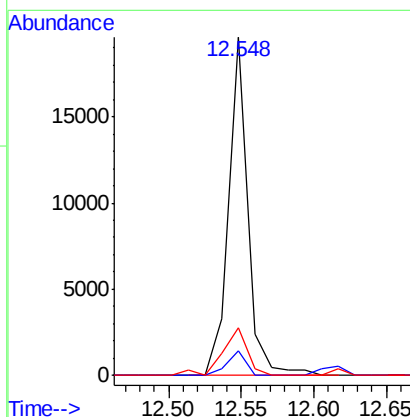
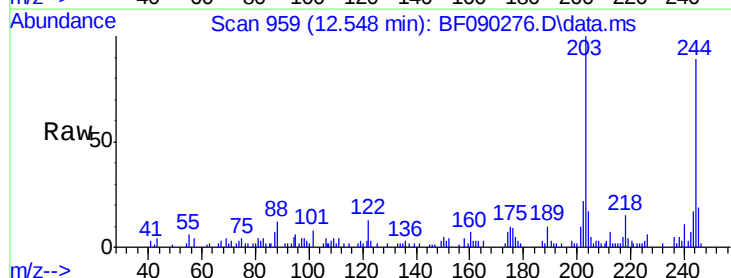
Instrument :
BNA_F
ClientSampleId :

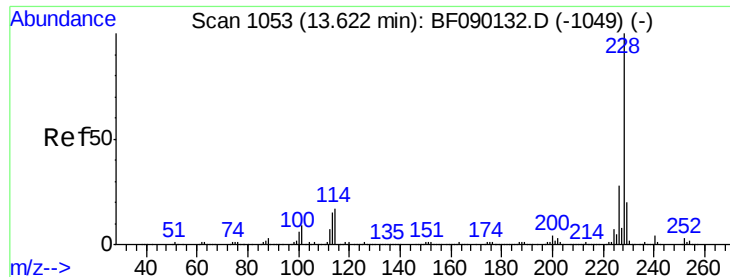
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.9	26.9
203	18.7	14.2	21.4



#78
Terphenyl-d14
Concen: 1.63 ng
RT: 12.548 min Scan# 959
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	14.2	9.4	14.0#





#80

Benzo(a)anthracene

Concen: 14.43 ng

RT: 13.565 min Scan# 1048

Delta R.T. -0.023 min

Lab File: BF090276.D

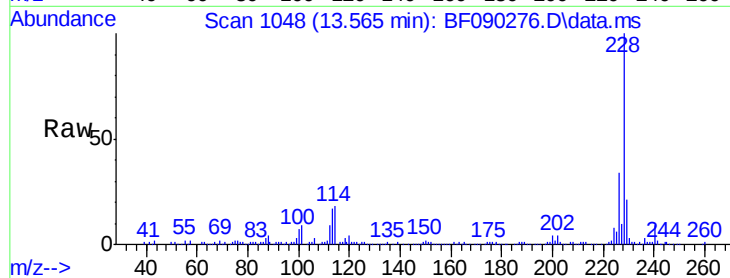
Acq: 28 Sep 2016 12:49

Instrument :

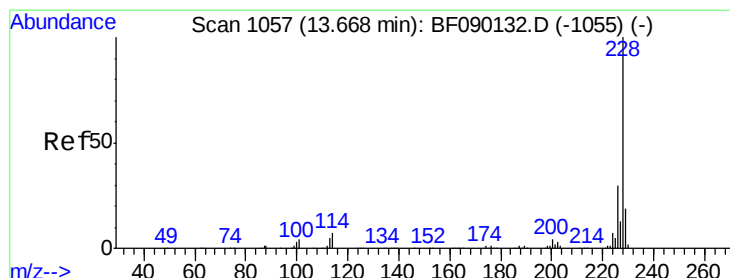
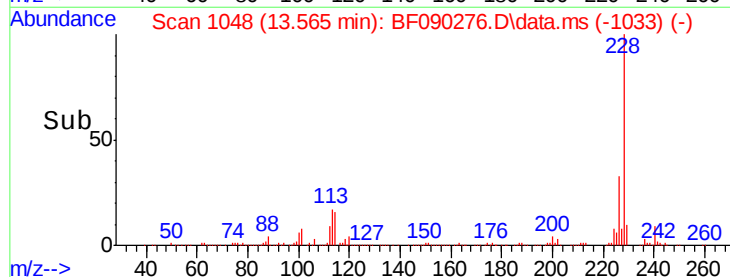
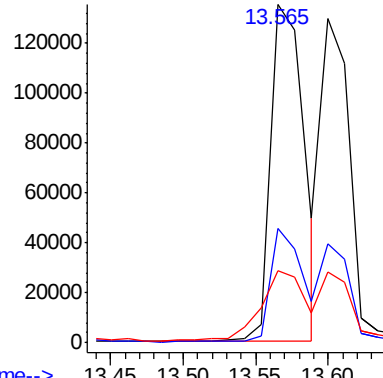
BNA_F

ClientSampleId :

Tot Ion:	228	Resp:	219239
Ion Ratio	Lower	Upper	
228	100		
226	33.6	22.0	33.0#
229	21.2	16.2	24.2



Abundance



#82

Chrysene

Concen: 14.82 ng

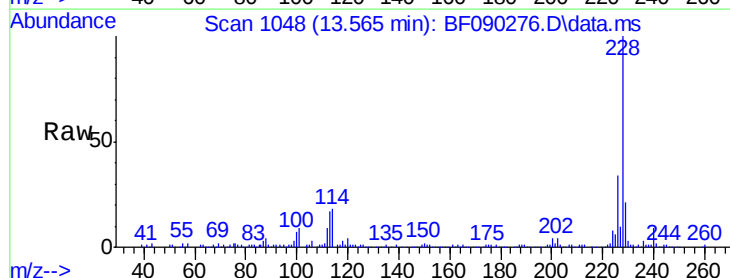
RT: 13.565 min Scan# 1048

Delta R.T. -0.057 min

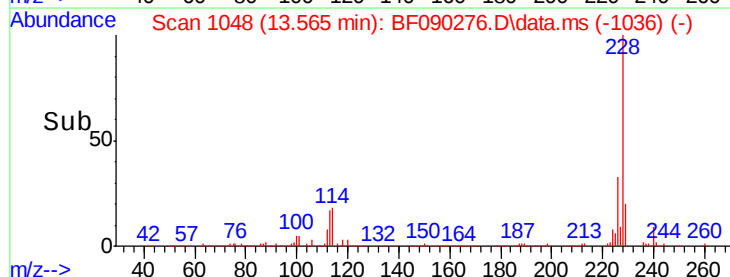
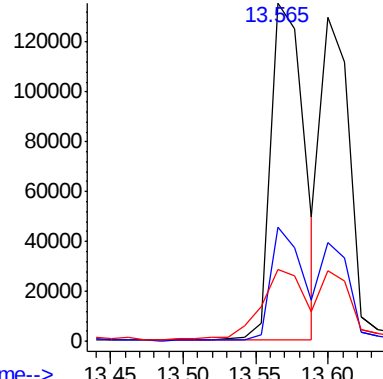
Lab File: BF090276.D

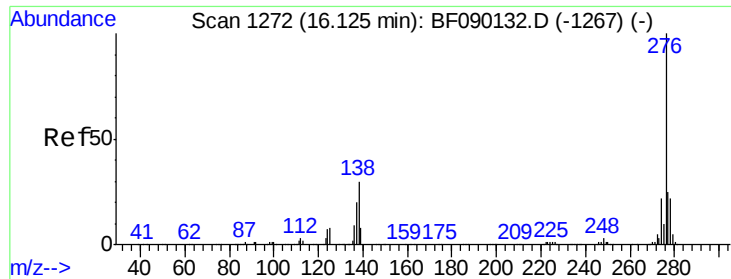
Acq: 28 Sep 2016 12:49

Tgt Ion:	228	Resp:	219239
Ion Ratio	Lower	Upper	
228	100		
226	33.6	24.6	37.0
229	21.2	16.2	24.4



Abundance

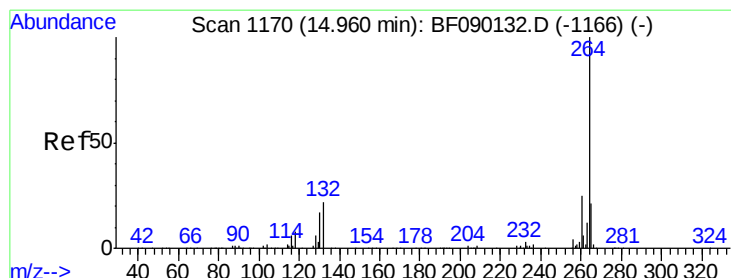
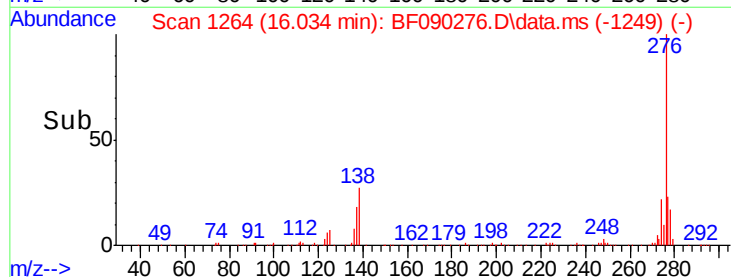
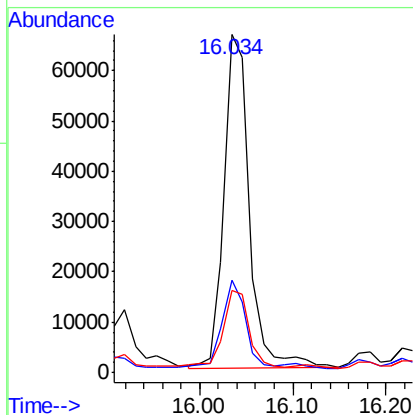
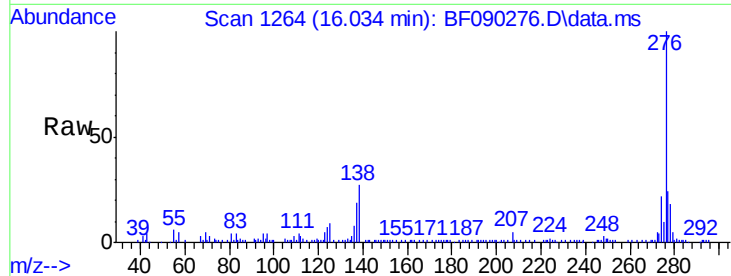




#85
Indeno(1,2,3-cd)pyrene
Concen: 10.47 ng
RT: 16.034 min Scan# 1272
Delta R.T. -0.023 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

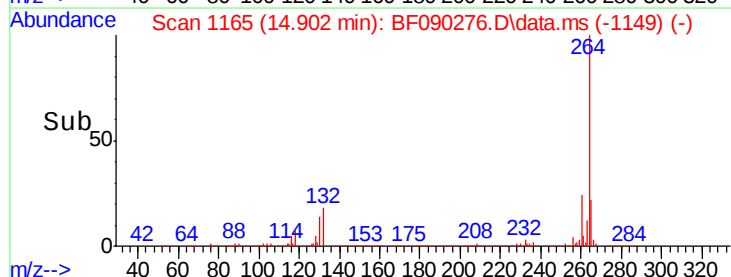
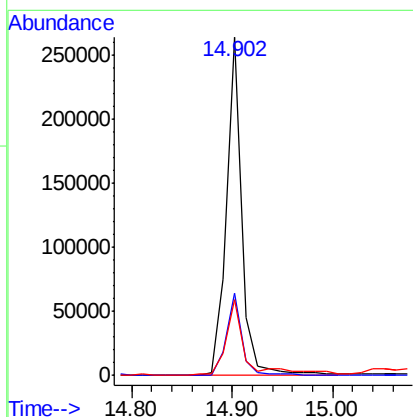
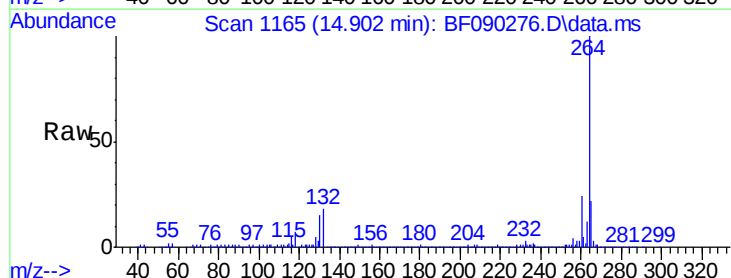
Instrument :
BNA_F
ClientSampleId :

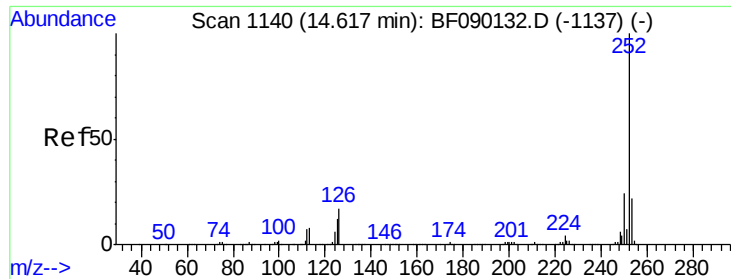
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	25.9	38.9#
277	22.9	19.9	29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.902 min Scan# 1165
Delta R.T. -0.011 min
Lab File: BF090276.D
Acq: 28 Sep 2016 12:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.2	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 21.98 ng

RT: 14.560 min Scan# 111

Delta R.T. -0.011 min

Lab File: BF090276.D

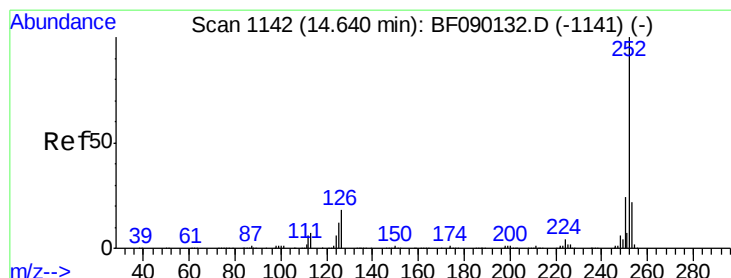
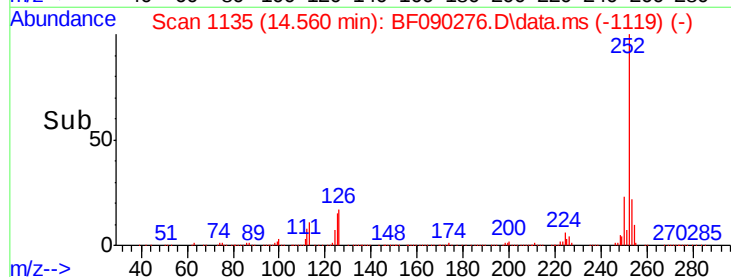
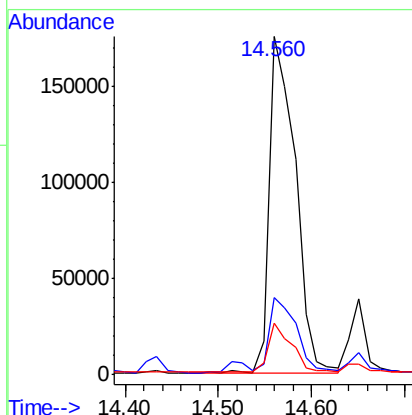
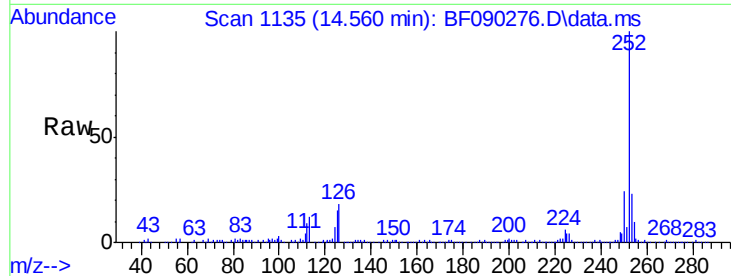
Acq: 28 Sep 2016 12:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	341926
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	15.1	12.7	19.1



#88

Benzo(k)fluoranthene

Concen: 23.42 ng

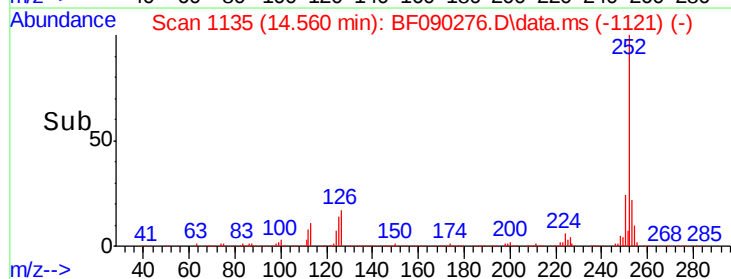
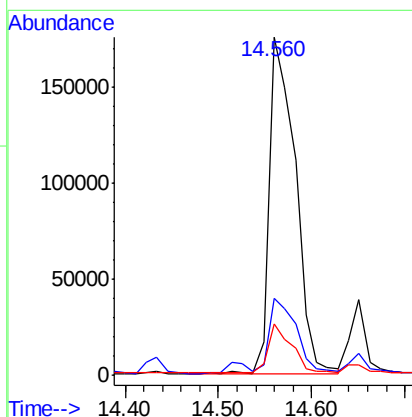
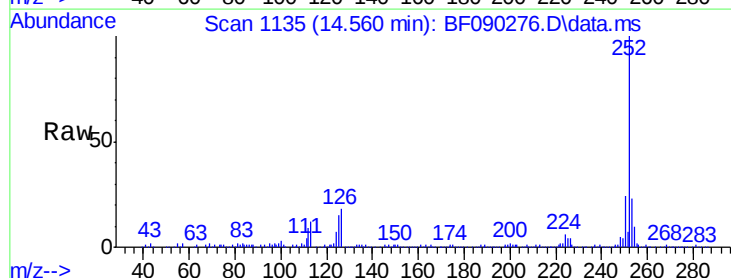
RT: 14.560 min Scan# 1135

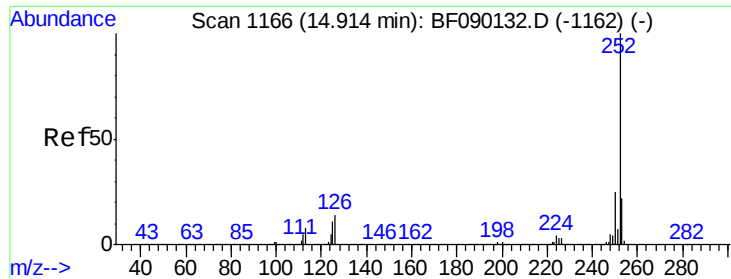
Delta R.T. -0.034 min

Lab File: BF090276.D

Acq: 28 Sep 2016 12:49

Tgt Ion:	252	Resp:	341926
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.8	26.8
125	15.1	7.8	11.6#





#89

Benzo(a)pyrene

Concen: 12.00 ng

RT: 14.845 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF090276.D

Acq: 28 Sep 2016 12:49

Instrument :

BNA_F

ClientSampled :

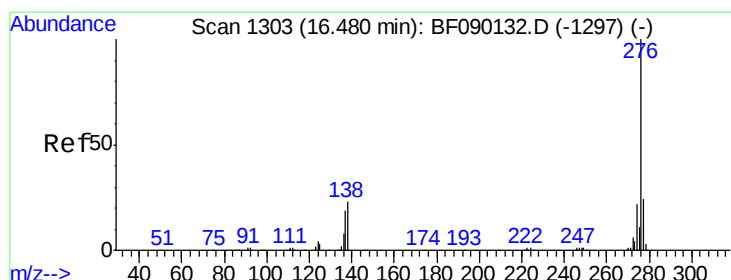
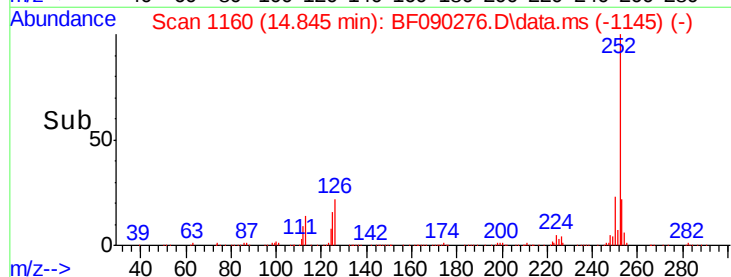
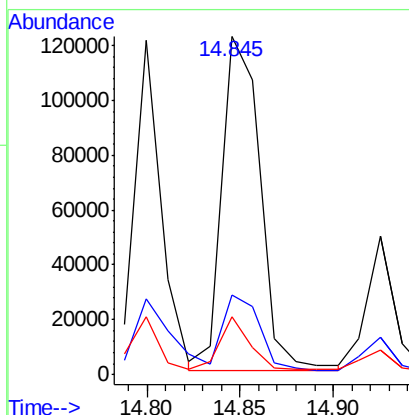
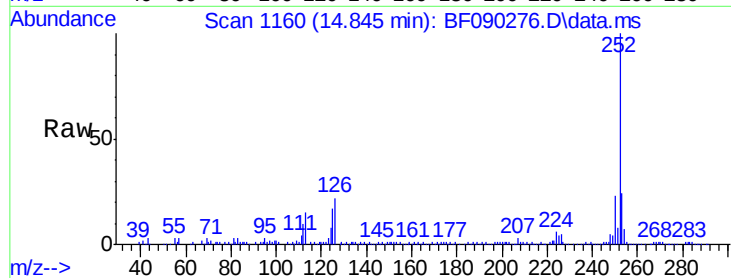
Tot Ion:252 Resp: 175592

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 16.9 7.7 11.5#



#91

Benzo(g,h,i)perylene

Concen: 9.68 ng

RT: 16.377 min Scan# 1294

Delta R.T. -0.023 min

Lab File: BF090276.D

Acq: 28 Sep 2016 12:49

Tgt Ion:276 Resp: 108121

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 25.6 23.3 34.9

