

Data Path : Z:\HPCHEM1\BNA F\Data\BF093016\
 Data File : BF090318.D
 Acq On : 30 Sep 2016 17:35
 Operator : UM/SJ
 Sample : H5025-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

Quant Time: Sep 30 18:23:02 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	6.604	152	357773	20.00	ng	0.13
21) Naphthalene-d8	0.000	136	0	0.00	ng	-7.77
38) Acenaphthene-d10	9.485	164	284858	20.00	ng	-0.02
63) Phenanthrene-d10	10.948	188	385613	20.00	ng	-0.03
75) Chrysene-d12	13.565	240	267715	20.00	ng	-0.03
86) Perylene-d12	14.880	264	254280	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.016	112	865726	39.44	ng	-0.01
7) Phenol-d6	6.124	99	1169162	43.13	ng	-0.01
23) Nitrobenzene-d5	7.027	82	657869	0.00	ng	-0.03
41) 2,4,6-Tribromophenol	10.273	330	246011	100.67	ng	-0.02
44) 2-Fluorobiphenyl	8.822	172	956331	65.91	ng	-0.03
78) Terphenyl-d14	12.536	244	696375	66.04	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.873	88	126242	10.60	ng	# 90
3) Pyridine	2.444	79	373752	14.47	ng	98
4) n-Nitrosodimethylamine	2.410	42	115062	14.93	ng	95
6) Aniline	6.204	93	386631	11.44	ng	# 45
8) 2-Chlorophenol	6.239	128	368575	14.59	ng	87
9) Benzaldehyde	5.987	77	168112	14.23	ng	93
11) bis(2-Chloroethyl)ether	6.204	93	381576	15.27	ng	92
12) 1,3-Dichlorobenzene	6.467	146	372360	14.11	ng	97
13) 1,4-Dichlorobenzene	6.627	146	331884	12.32	ng	97
14) 1,2-Dichlorobenzene	6.627	146	331631	13.82	ng	98
15) Benzyl Alcohol	6.616	79	268877	16.63	ng	96
16) 2,2'-oxybis(1-Chloropr...	6.753	45	392230	13.14	ng	79
17) 2-Methylphenol	6.742	107	283688	14.26	ng	94
18) Hexachloroethane	6.959	117	119364	12.42	ng	98
19) n-Nitroso-di-n-propyla...	6.890	70	236067	14.82	ng	94
20) 3+4-Methylphenols	6.902	107	376227	15.75	ng	95
39) 1,2,4,5-Tetrachloroben...	8.628	216	249609	38.18	ng	97
40) Hexachlorocyclopentadiene	8.605	237	120937	37.48	ng	100
42) 2,4,6-Trichlorophenol	8.742	196	178484	38.31	ng	98
43) 2,4,5-Trichlorophenol	8.788	196	192678	39.94	ng	98
45) 1,1'-Biphenyl	8.925	154	763731	37.47	ng	95
46) 2-Chloronaphthalene	8.936	162	535211	35.60	ng	98
47) 2-Nitroaniline	9.039	65	167543	36.96	ng	# 79
48) Acenaphthylene	9.348	152	871710	35.70	ng	100
49) Dimethylphthalate	9.233	163	1168663	64.41	ng	98
50) 2,6-Dinitrotoluene	9.290	165	135941	33.62	ng	97
51) Acenaphthene	9.519	154	526114	36.30	ng	99
52) 3-Nitroaniline	9.450	138	105636	22.28	ng	90
53) 2,4-Dinitrophenol	9.565	184	38896	19.67	ng	99
54) Dibenzofuran	9.690	168	751412	39.40	ng	96
55) 4-Nitrophenol	9.645	139	223905	68.94	ng	93
56) 2,4-Dinitrotoluene	9.690	165	166964	34.92	ng	99
57) Fluorene	10.033	166	565414	39.34	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.816	232	143271	39.67	ng	97

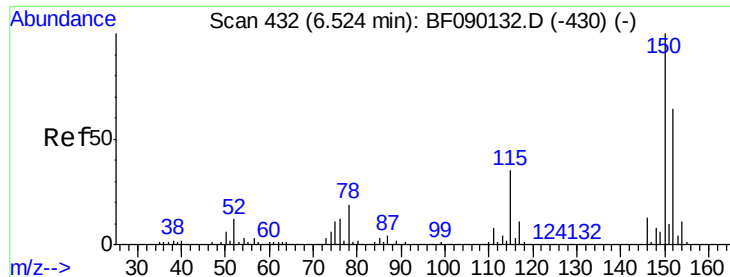
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	9.931	149	666417	38.03	nq	99
60) 4-Chlorophenyl-phenyle...	10.033	204	250441	38.21	nq	# 82
61) 4-Nitroaniline	10.068	138	153536	31.77	nq	97
62) Azobenzene	10.182	77	691670	37.92	nq	97
64) 4,6-Dinitro-2-methylph...	10.102	198	60227	24.94	nq	90
65) n-Nitrosodiphenylamine	10.148	169	495113	39.05	nq	99
66) 4-Bromophenyl-phenylether	10.513	248	157441	41.49	nq	# 92
67) Hexachlorobenzene	10.571	284	162523	36.75	nq	# 91
68) Atrazine	10.685	200	135342	38.95	nq	97
69) Pentachlorophenol	10.776	266	179977	71.70	nq	98
70) Phenanthrene	10.982	178	758560	42.06	nq	98
71) Anthracene	11.028	178	764533	40.42	nq	100
72) Carbazole	11.188	167	715968	35.81	nq	99
73) Di-n-butylphthalate	11.542	149	979653	42.13	nq	98
74) Fluoranthene	12.148	202	661845	34.19	nq	99
76) Benzidine	12.296	184	54627	6.10	nq	# 88
77) Pyrene	12.376	202	700824	38.26	nq	98
79) Butylbenzylphthalate	13.017	149	316224	35.29	nq	# 81
80) Benzo(a)anthracene	13.554	228	537623	37.33	nq	100
81) 3,3'-Dichlorobenzidine	13.531	252	126792	21.35	nq	99
82) Chrysene	13.588	228	396751	28.28	nq	99
83) Bis(2-ethylhexyl)phtha...	13.588	149	441013	38.46	nq	# 99
84) Di-n-octyl phthalate	14.194	149	781463	39.56	nq	99
85) Indeno(1,2,3-cd)pyrene	16.023	276	518138	45.67	nq	95
87) Benzo(b)fluoranthene	14.571	252	1033650	73.41	nq	# 96
88) Benzo(k)fluoranthene	14.571	252	1035581	78.37	nq	# 97
89) Benzo(a)pyrene	14.834	252	501374	37.85	nq	# 97
90) Dibenzo(a,h)anthracene	16.034	278	437111	42.29	nq	97
91) Benzo(a,h,i)perylene	16.354	276	418254	41.34	nq	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.604 min Scan# 43

Delta R.T. 0.126 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

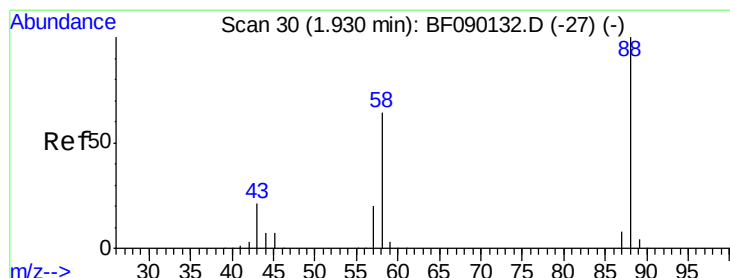
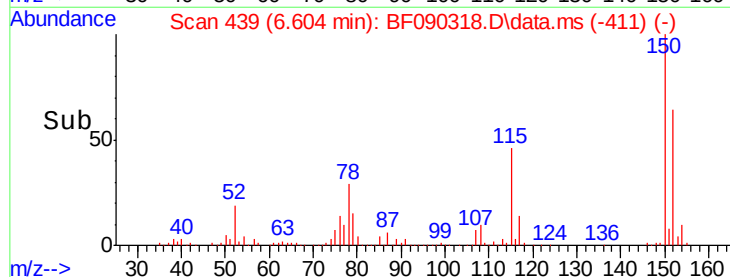
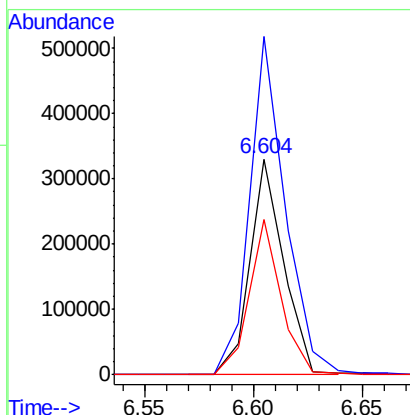
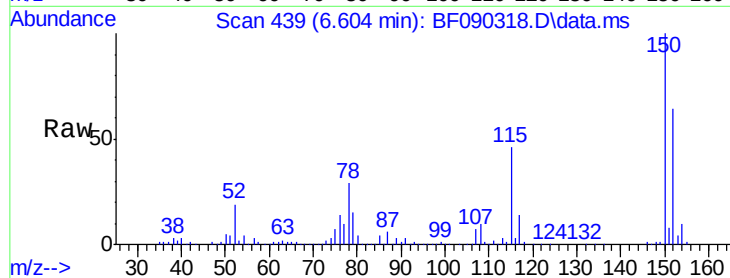
Tot Ion:152 Resp: 357773

Ion Ratio Lower Upper

152 100

150 156.7 128.9 193.3

115 71.7 55.5 83.3



#2

1,4-Dioxane

Concen: 10.60 ng

RT: 1.873 min Scan# 25

Delta R.T. 0.034 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

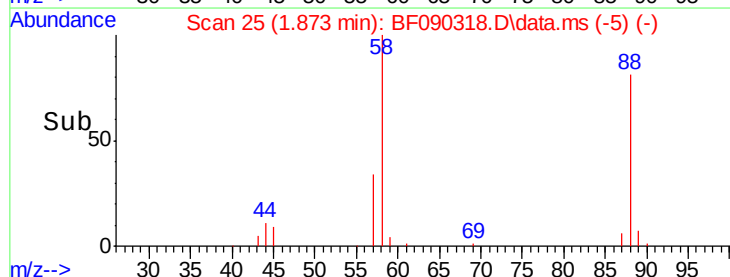
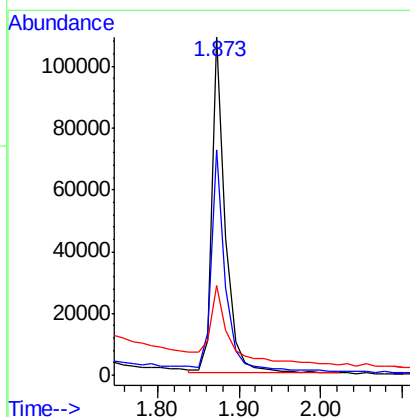
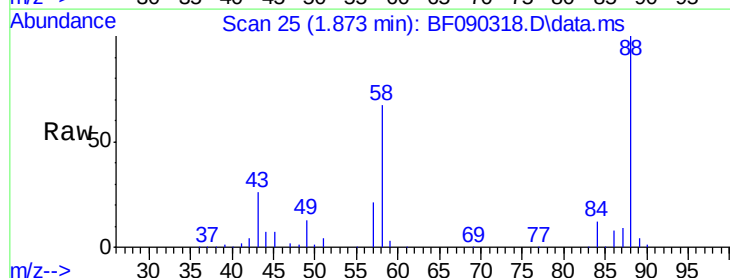
Tgt Ion: 88 Resp: 126242

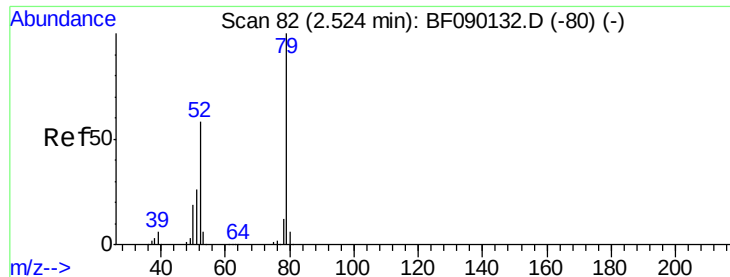
Ion Ratio Lower Upper

88 100

58 69.6 53.4 80.0

43 35.2 16.5 24.7

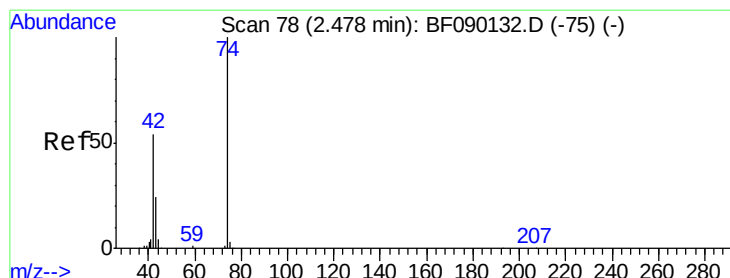
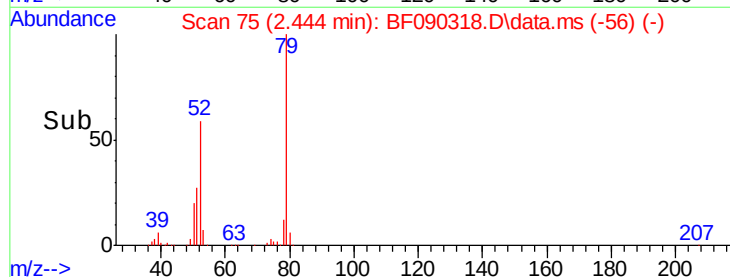
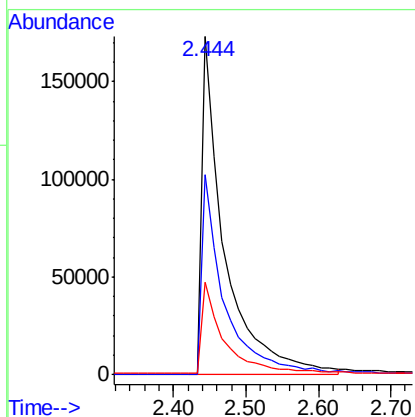
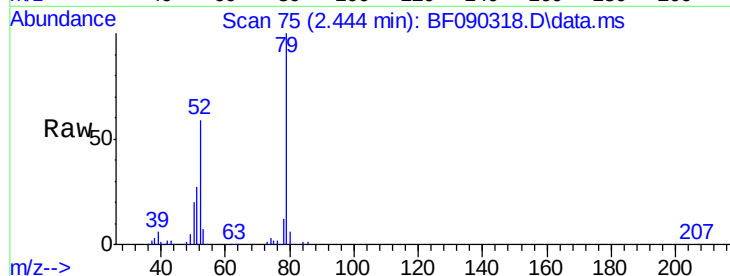




#3
 Pvrindine
 Concen: 14.47 ng
 RT: 2.444 min Scan# 75
 Delta R.T. 0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

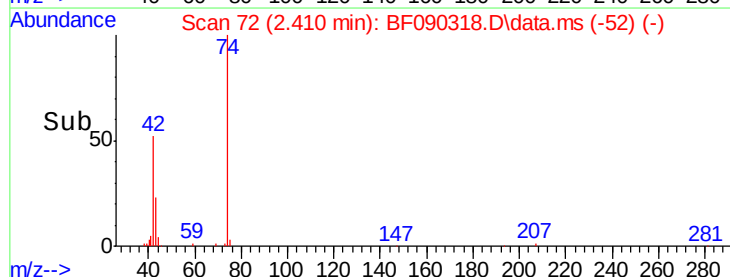
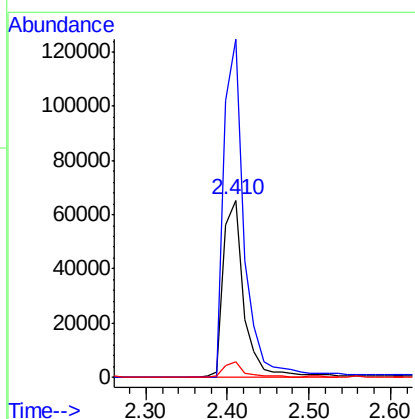
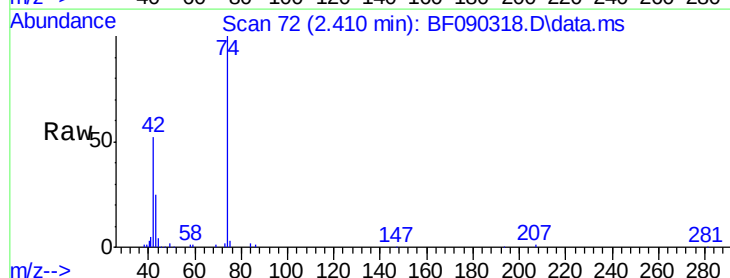
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

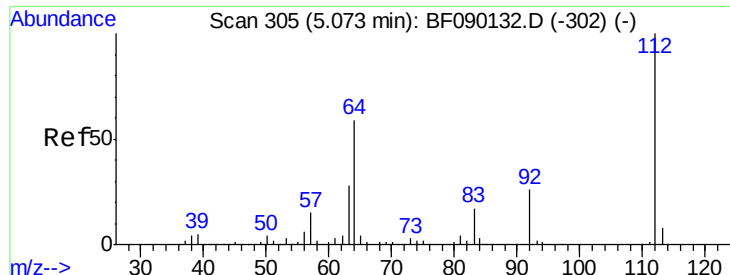
Tot Ion: 79 Resp: 373752
 Ion Ratio Lower Upper
 79 100
 52 59.1 45.9 68.9
 51 27.4 21.3 31.9



#4
 n-Nitrosodimethylamine
 Concen: 14.93 ng
 RT: 2.410 min Scan# 72
 Delta R.T. 0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion: 42 Resp: 115062
 Ion Ratio Lower Upper
 42 100
 74 190.7 158.7 238.1
 44 8.5 6.4 9.6

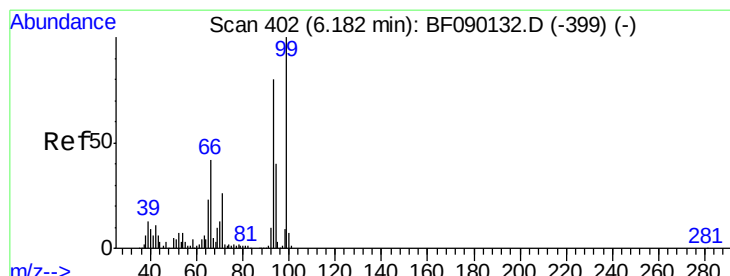
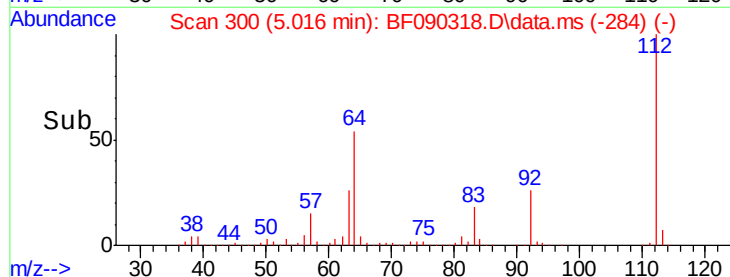
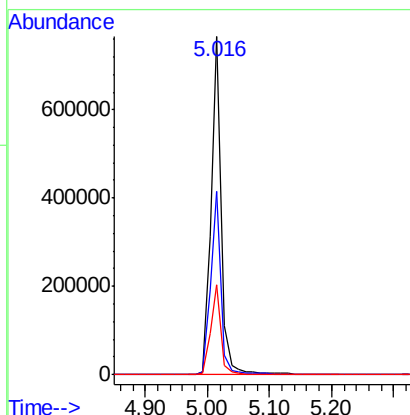
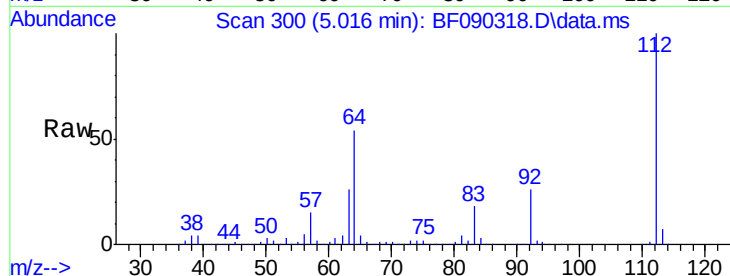




#5
2-Fluorophenol
Concen: 39.44 ng
RT: 5.016 min Scan# 30
Delta R.T. -0.011 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

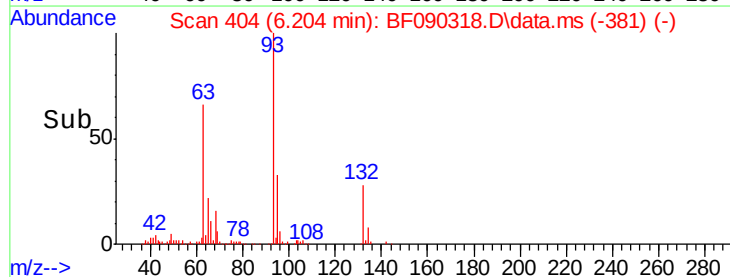
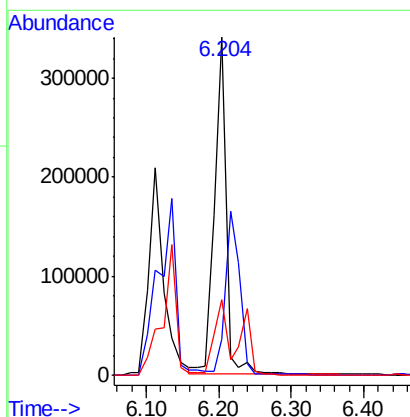
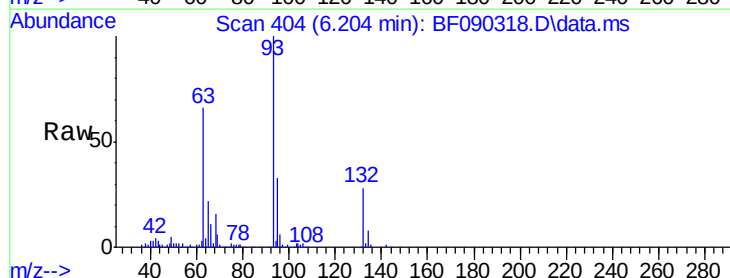
Instrument :
BNA_F
ClientSampleId :
PA-4MS

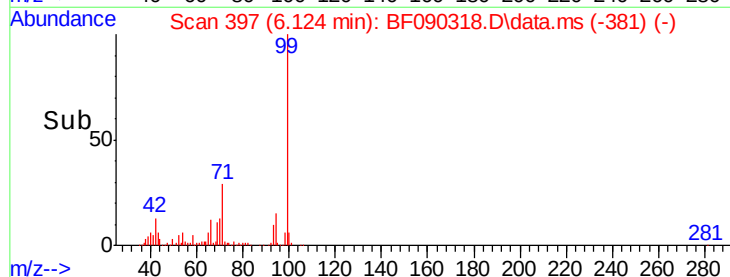
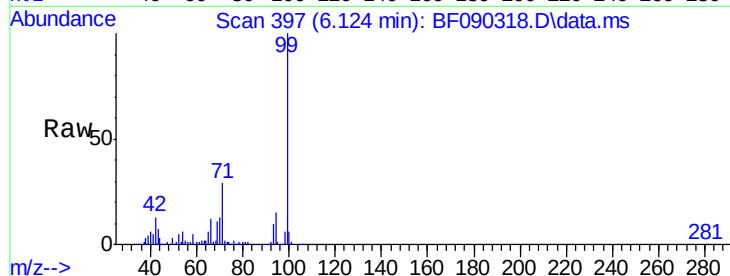
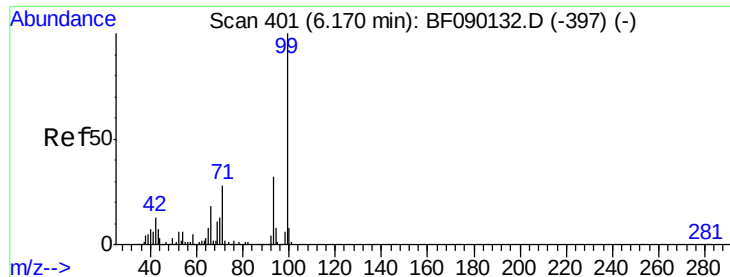
Tot Ion	Ratio	Lower	Upper
112	100		
64	54.3	39.8	59.6
63	26.4	18.9	28.3



#6
Aniline
Concen: 11.44 ng
RT: 6.204 min Scan# 404
Delta R.T. 0.069 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
93	100		
66	10.8	54.2	81.2#
65	22.5	33.8	50.6#





#7

Phenol-d6

Concen: 43.13 ng

RT: 6.124 min Scan# 39

Delta R.T. -0.011 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

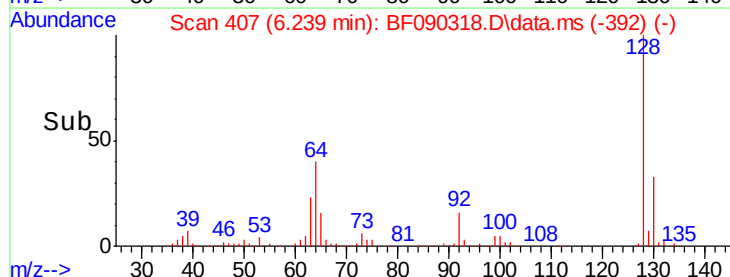
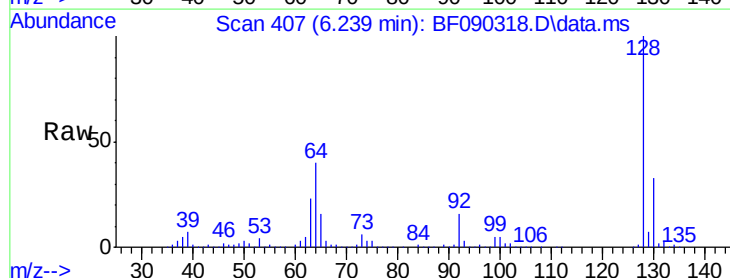
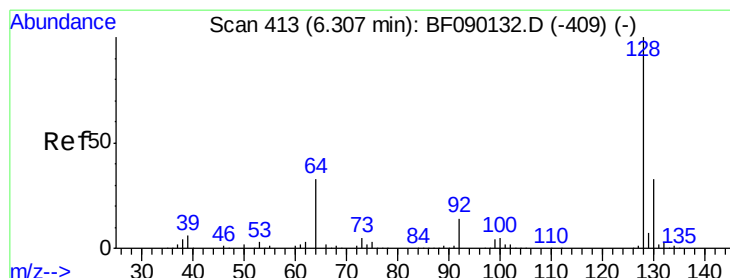
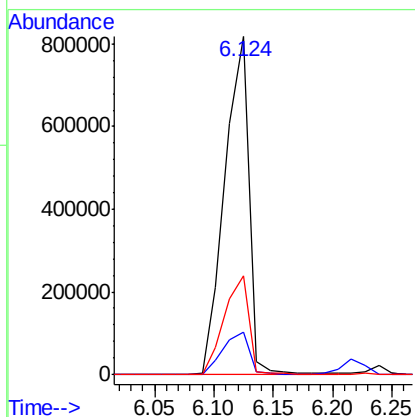
Tot Ion: 99 Resp: 1169162

Ion Ratio Lower Upper

99 100

42 12.7 10.6 15.8

71 29.3 23.0 34.6



#8

2-Chlorophenol

Concen: 14.59 ng

RT: 6.239 min Scan# 407

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

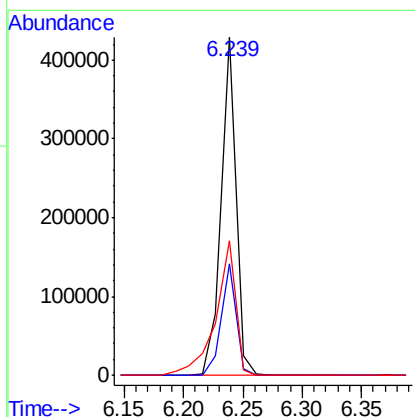
Tgt Ion: 128 Resp: 368575

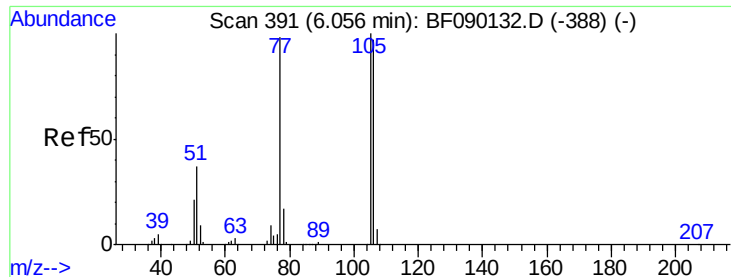
Ion Ratio Lower Upper

128 100

130 33.0 12.0 52.0

64 39.9 33.6 73.6





#9

Benzaldehyde

Concen: 14.23 ng

RT: 5.987 min Scan# 38

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampled :

PA-4MS

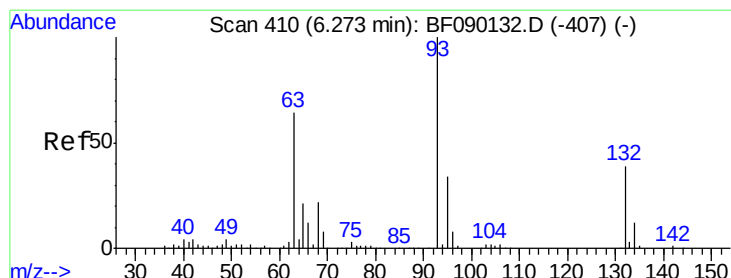
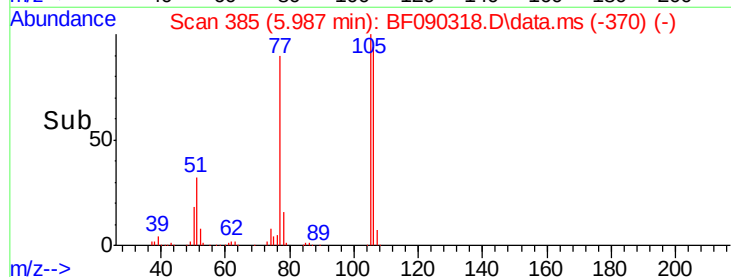
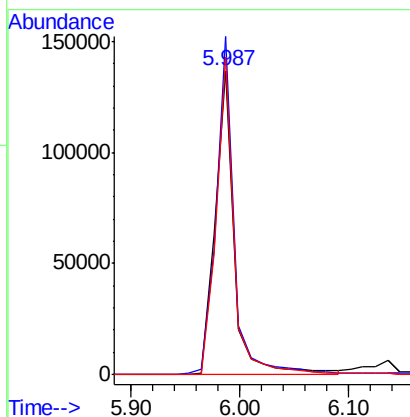
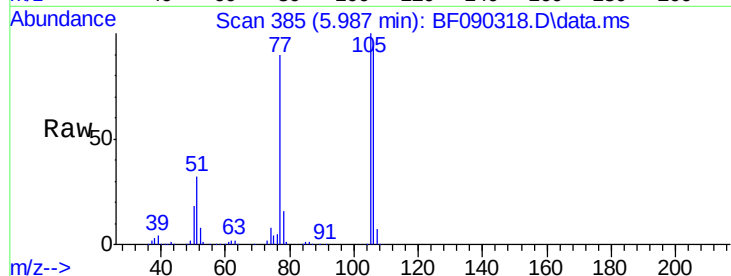
Tot Ion: 77 Resp: 168112

Ion Ratio Lower Upper

77 100

105 111.3 83.0 123.0

106 104.5 78.5 118.5



#11

bis(2-Chloroethyl)ether

Concen: 15.27 ng

RT: 6.204 min Scan# 404

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

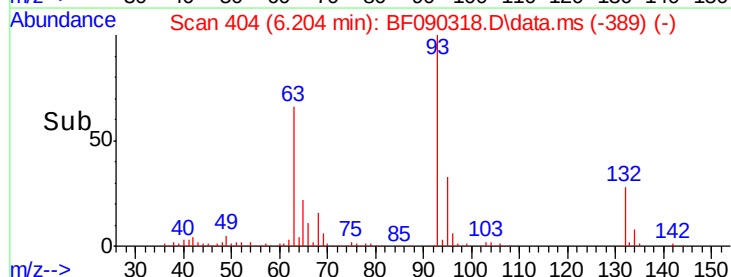
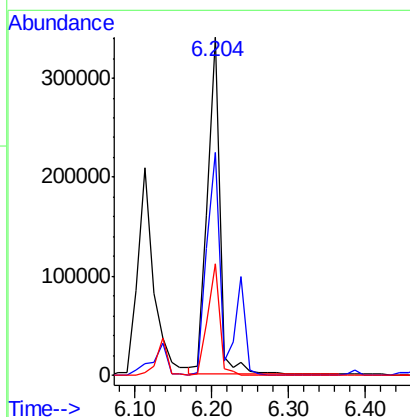
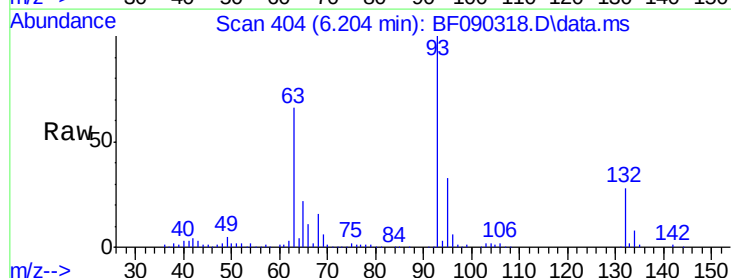
Tgt Ion: 93 Resp: 381576

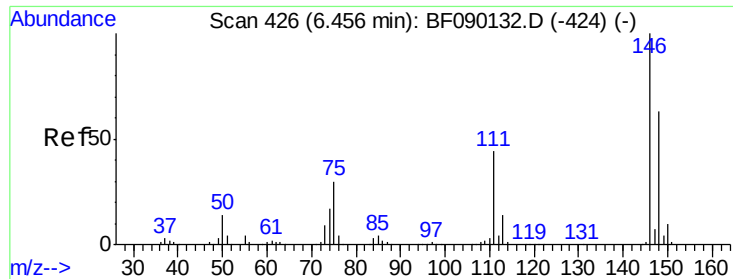
Ion Ratio Lower Upper

93 100

63 66.1 55.6 95.6

95 32.9 12.6 52.6

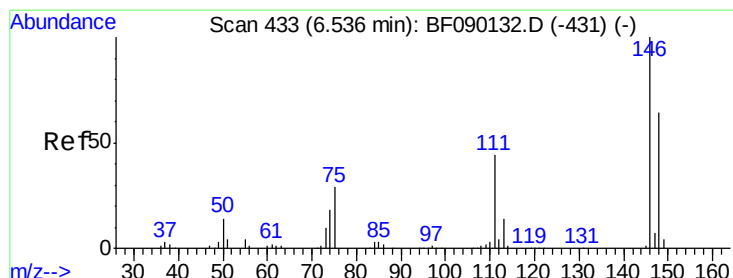
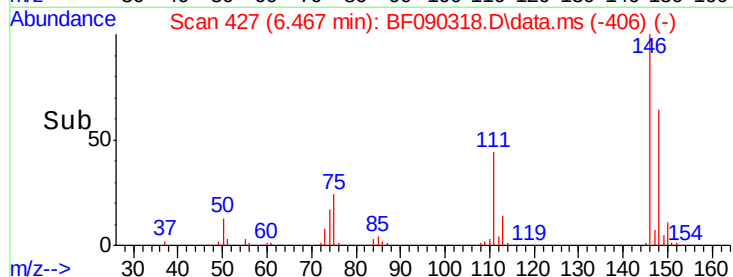
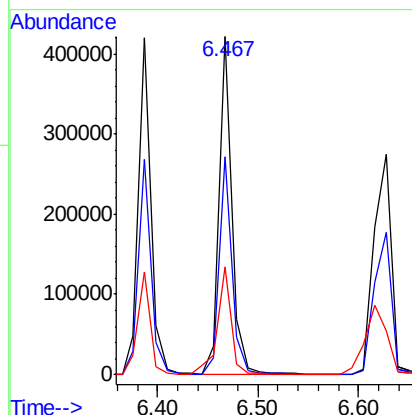
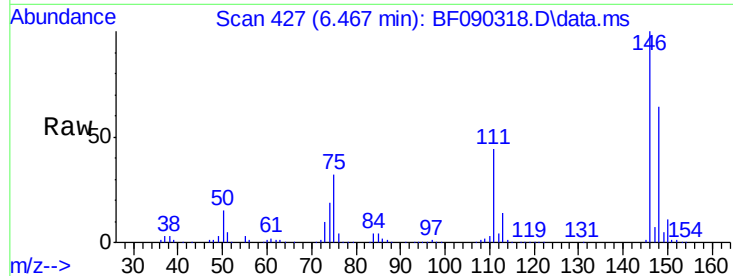




#12
 1,3-Dichlorobenzene
 Concen: 14.11 ng
 RT: 6.467 min Scan# 42
 Delta R.T. 0.046 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

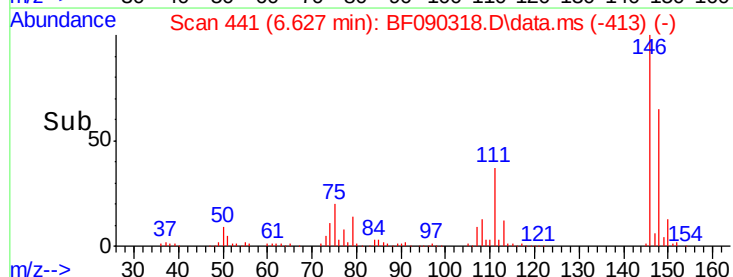
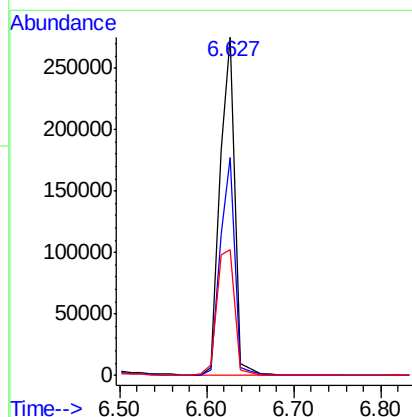
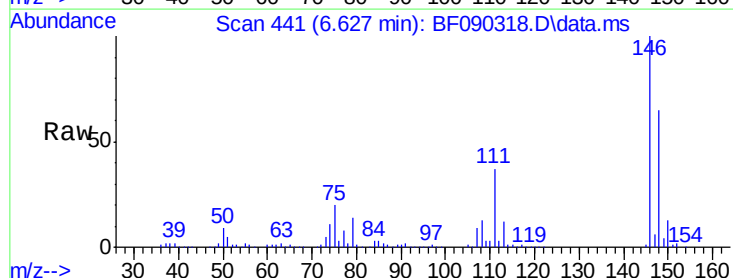
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

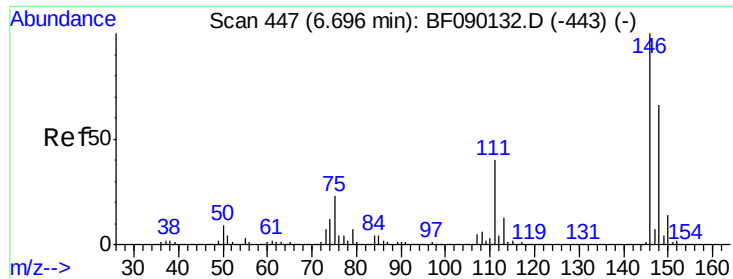
Tot Ion:146 Resp: 372360
 Ion Ratio Lower Upper
 146 100
 148 64.3 51.9 77.9
 75 32.0 22.8 34.2



#13
 1,4-Dichlorobenzene
 Concen: 12.32 ng
 RT: 6.627 min Scan# 441
 Delta R.T. 0.126 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion:146 Resp: 331884
 Ion Ratio Lower Upper
 146 100
 148 64.6 52.0 78.0
 111 37.1 33.8 50.6

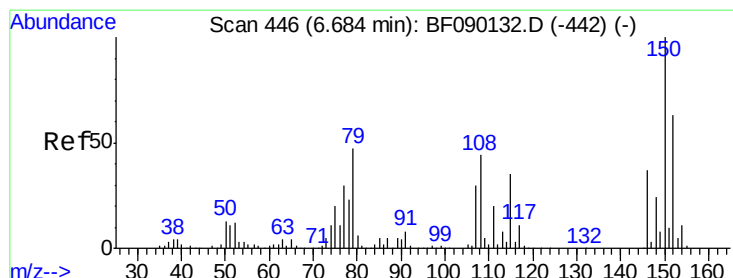
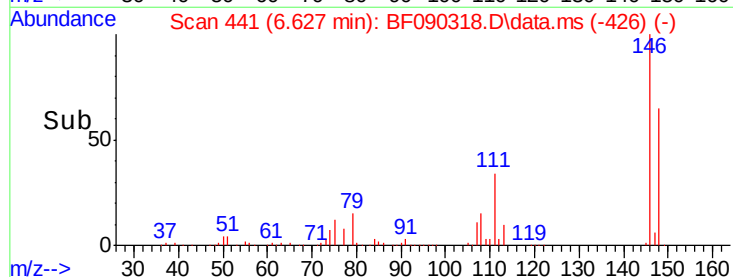
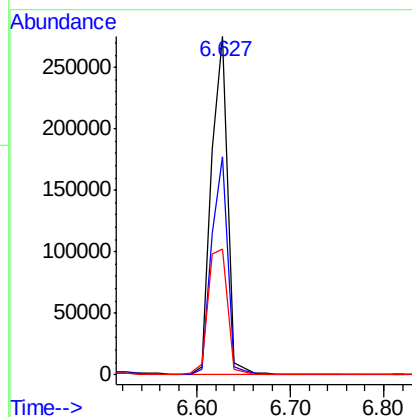
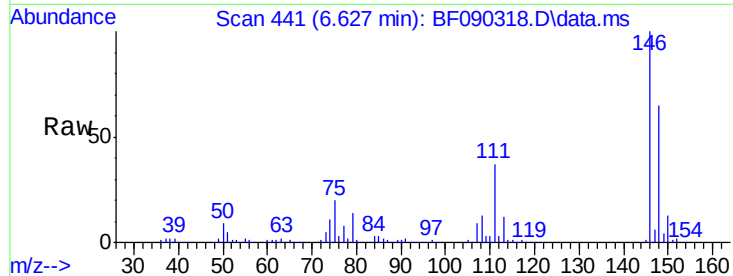




#14
 1,2-Dichlorobenzene
 Concen: 13.82 ng
 RT: 6.627 min Scan# 441
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

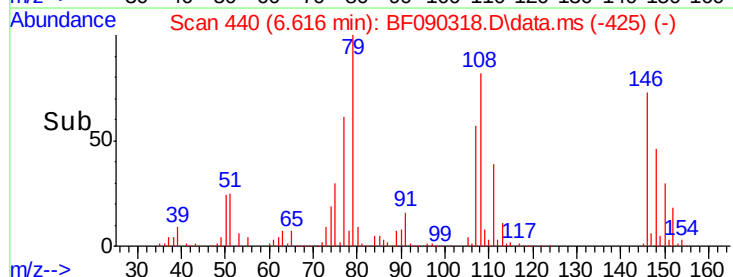
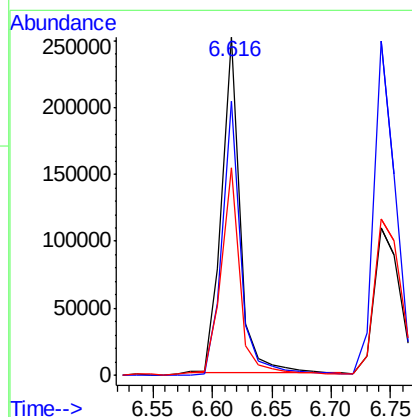
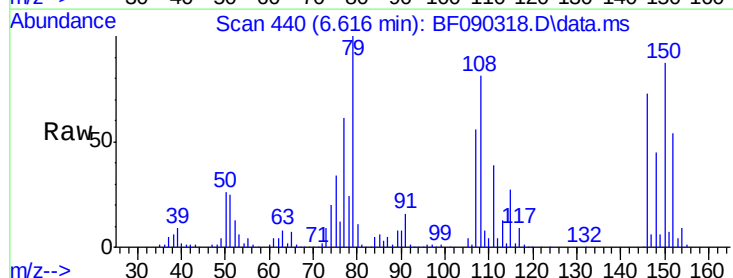
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

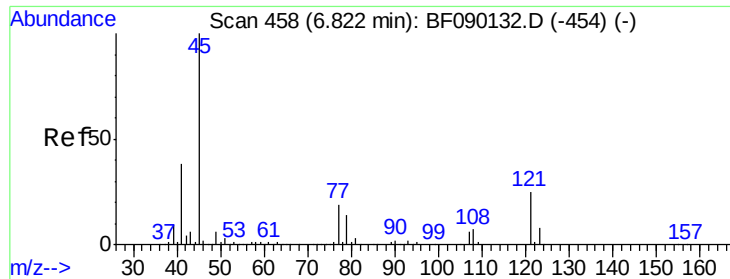
Tot Ion:146 Resp: 331631
 Ion Ratio Lower Upper
 146 100
 148 64.6 52.6 79.0
 111 37.1 28.2 42.2



#15
 Benzyl Alcohol
 Concen: 16.63 ng
 RT: 6.616 min Scan# 440
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion: 79 Resp: 268877
 Ion Ratio Lower Upper
 79 100
 108 81.0 62.2 93.4
 77 61.3 51.4 77.0

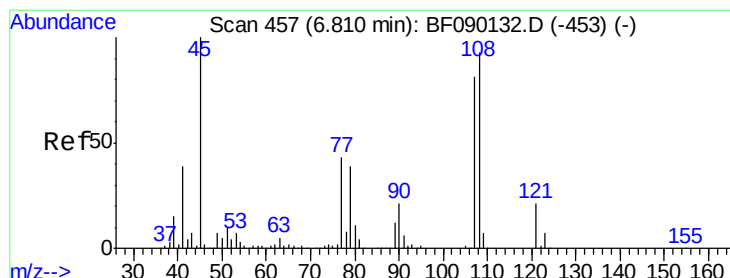
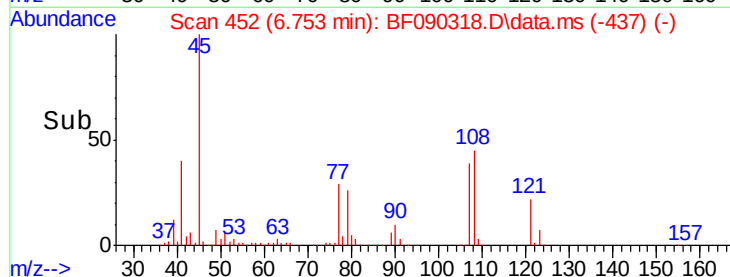
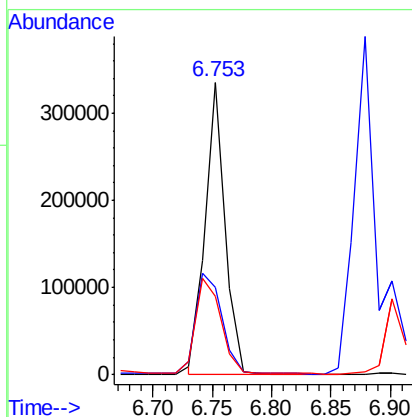
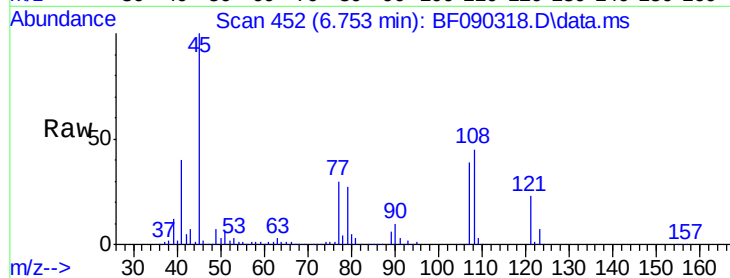




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 13.14 ng
RT: 6.753 min Scan# 451
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

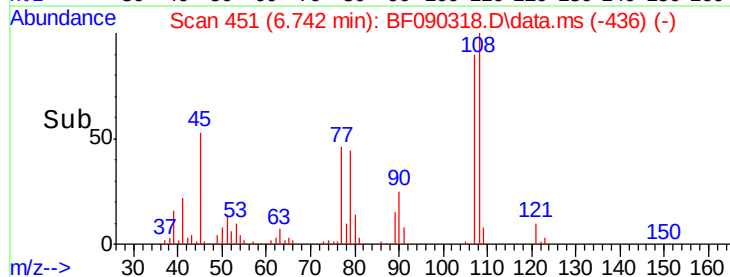
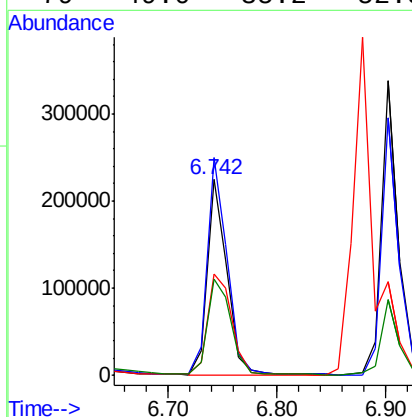
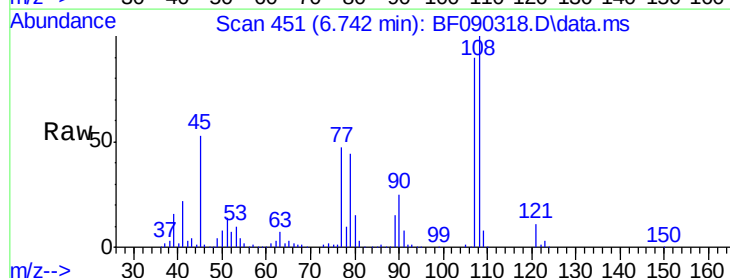
Instrument :
BNA_F
ClientSampleId :
PA-4MS

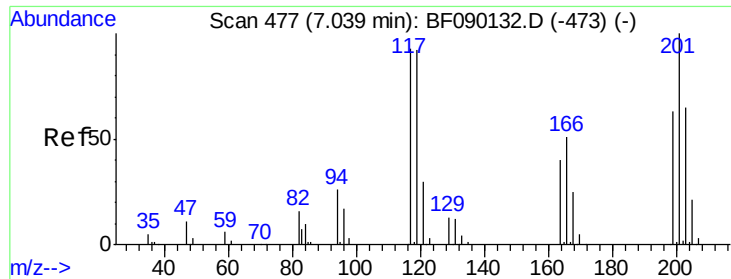
Tot Ion: 45 Resp: 392230
Ion Ratio Lower Upper
45 100
77 29.9 0.5 40.5
79 26.9 0.0 37.0



#17
2-Methylphenol
Concen: 14.26 ng
RT: 6.742 min Scan# 451
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion: 107 Resp: 283688
Ion Ratio Lower Upper
107 100
108 111.0 92.0 138.0
77 51.8 35.6 53.4
79 49.0 35.2 52.8

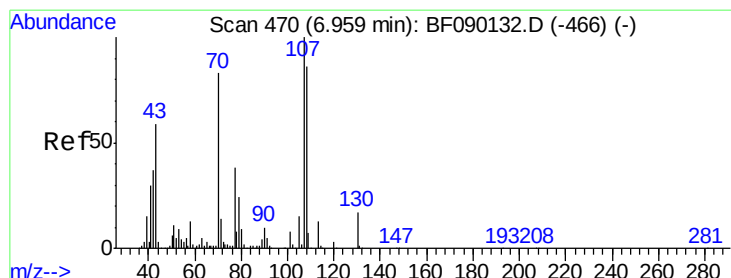
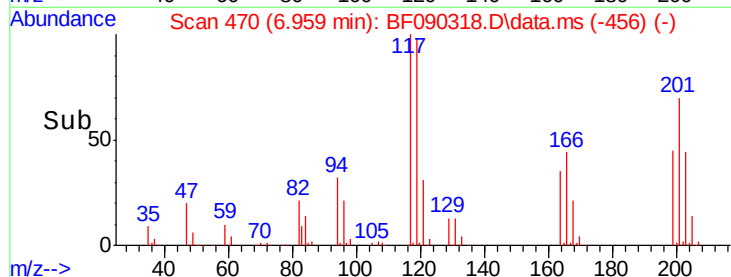
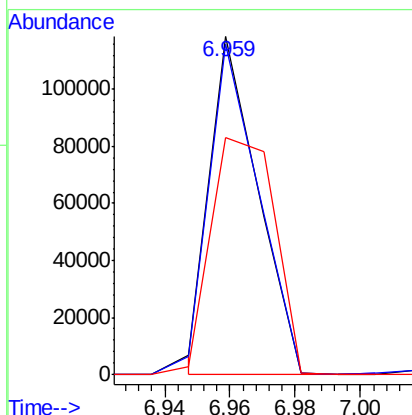
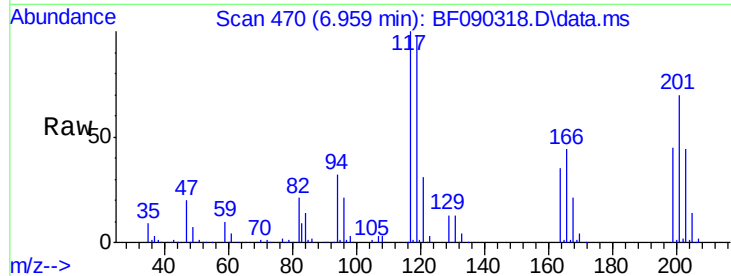




#18
Hexachloroethane
Concen: 12.42 ng
RT: 6.959 min Scan# 47
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

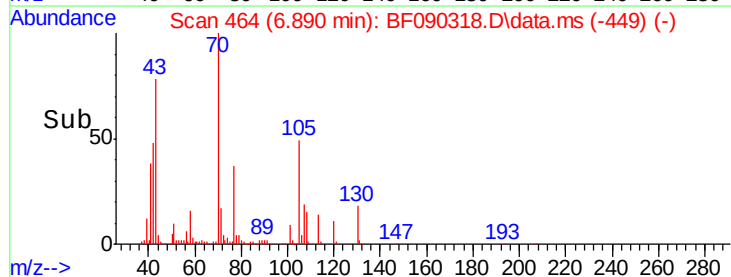
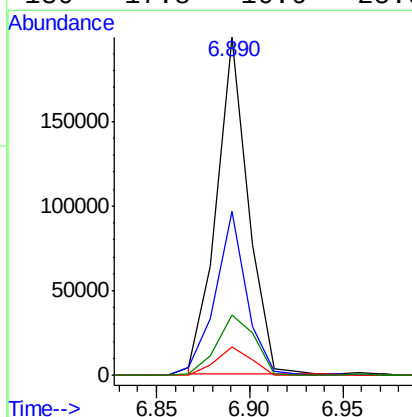
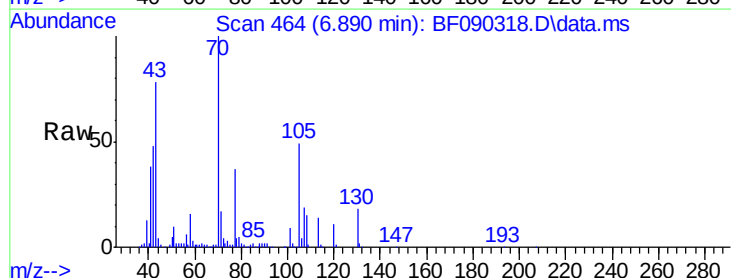
Instrument :
BNA_F
ClientSampleId :
PA-4MS

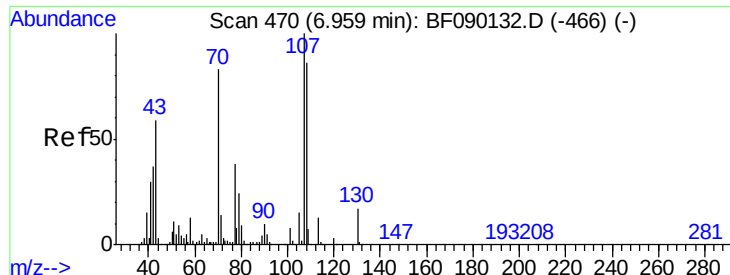
Tot Ion:117 Resp: 119364
Ion Ratio Lower Upper
117 100
119 97.8 76.6 115.0
201 70.1 55.5 83.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.82 ng
RT: 6.890 min Scan# 464
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion: 70 Resp: 236067
Ion Ratio Lower Upper
70 100
42 48.4 35.1 52.7
101 8.5 7.5 11.3
130 17.8 16.6 25.0





#20

3+4-Methylphenols

Concen: 15.75 ng

RT: 6.902 min Scan# 46

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

Tot Ion:107 Resp: 376227

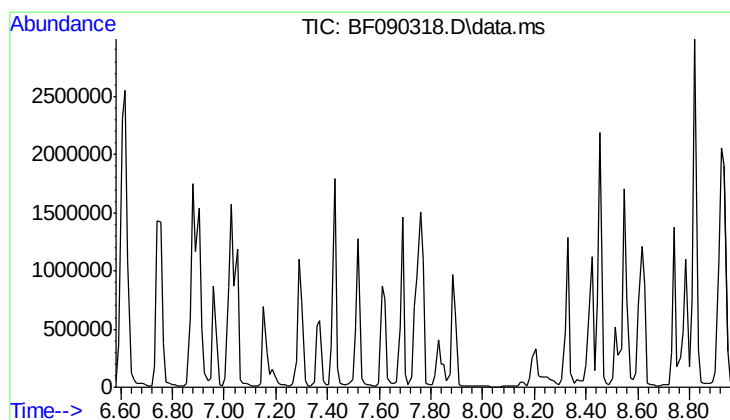
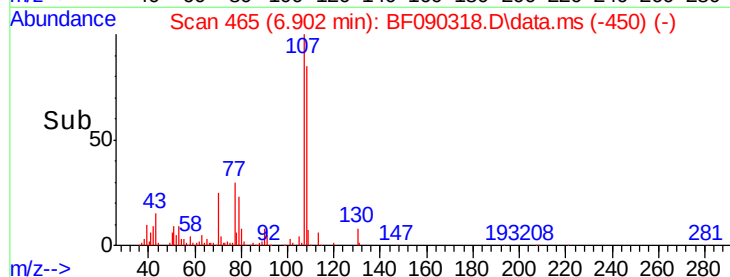
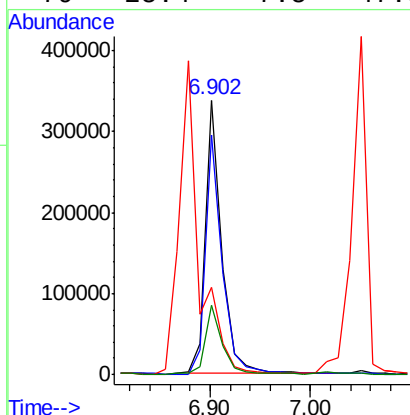
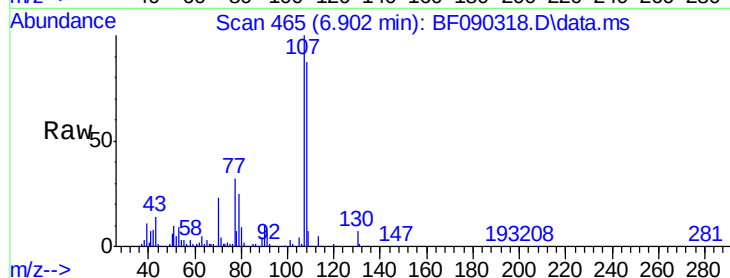
Ion Ratio Lower Upper

107 100

108 87.4 73.3 113.3

77 31.8 14.1 54.1

79 25.4 7.5 47.5



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 7.77 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Tgt Ion: 136

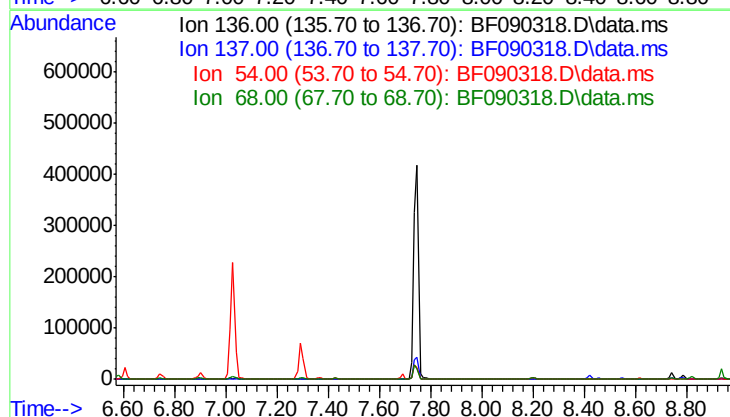
Sig Exp Ratio

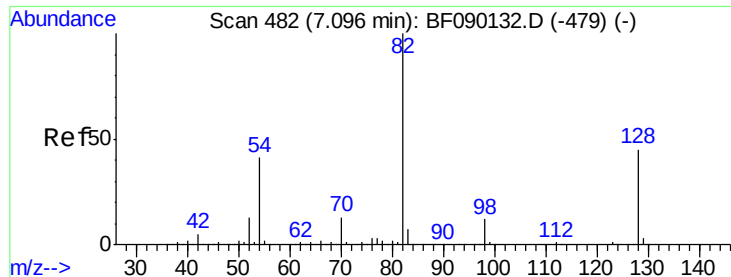
136 100

137 11.2

54 8.0

68 7.9

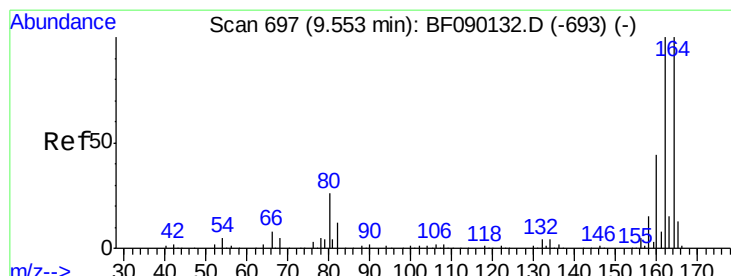
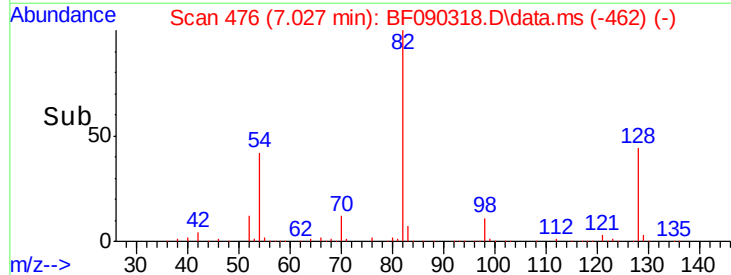
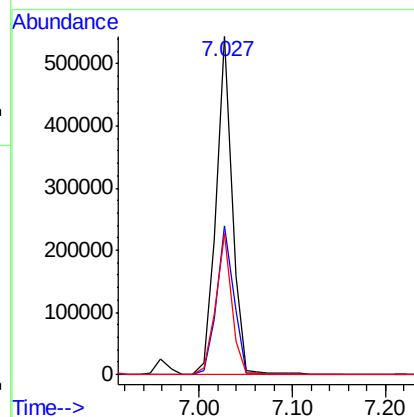
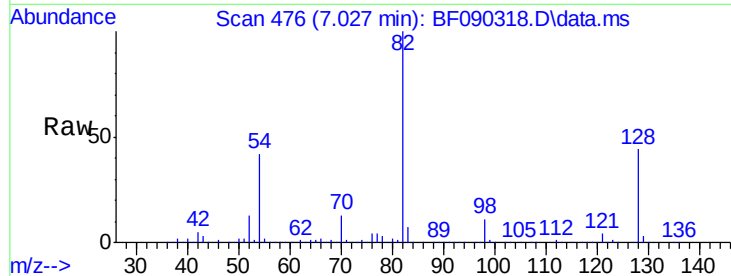




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 RT: 7.027 min Scan# 47
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

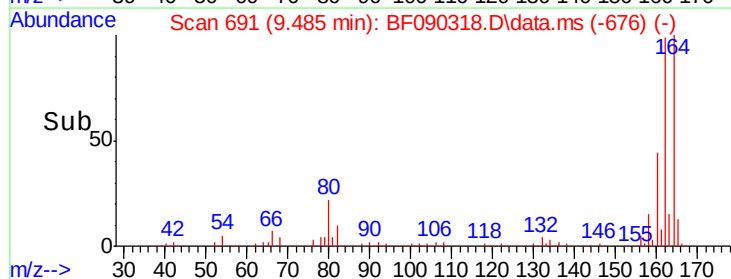
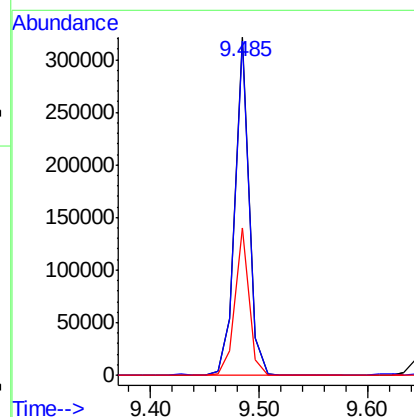
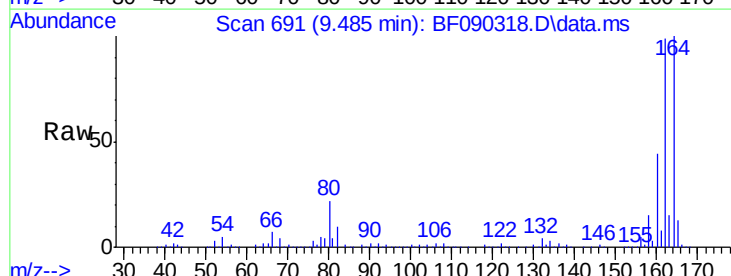
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

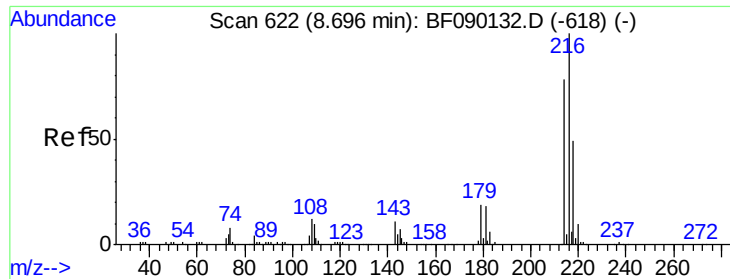
Tot Ion:	82	Resp:	657869
Ion Ratio	Lower	Upper	
82	100		
128	44.0	37.5	56.3
54	41.8	31.9	47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.485 min Scan# 691
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion:	164	Resp:	284858
Ion Ratio	Lower	Upper	
164	100		
162	99.0	81.4	122.2
160	43.5	36.6	54.8





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.18 ng

RT: 8.628 min Scan# 61

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

Tot Ion:216 Resp: 249609

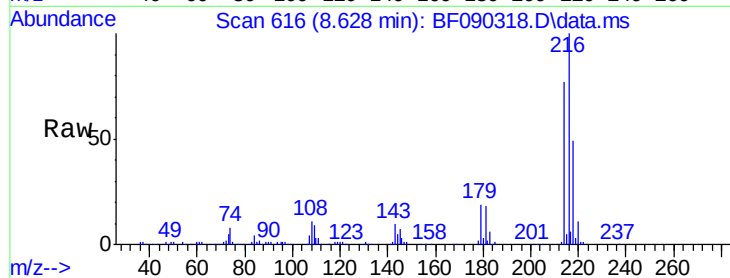
Ion Ratio Lower Upper

216 100

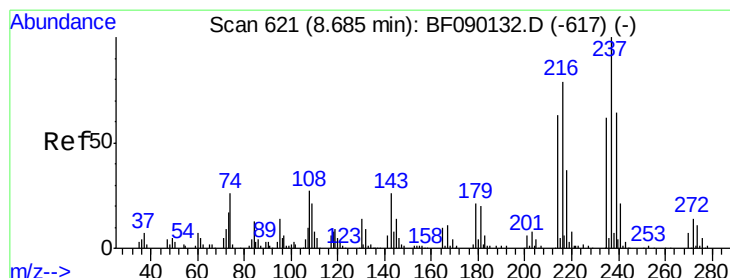
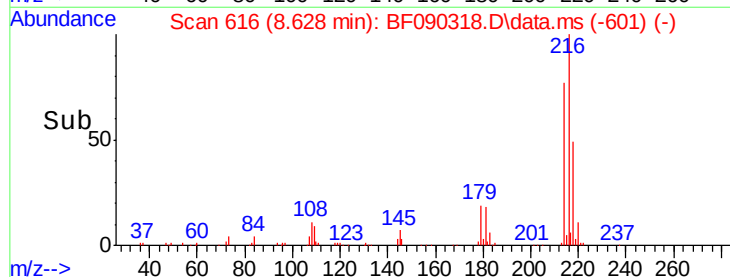
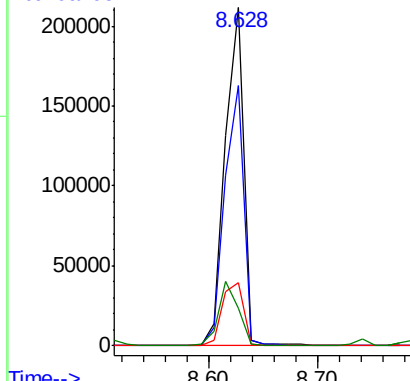
214 78.6 63.7 95.5

179 21.3 18.5 27.7

108 20.4 19.5 29.3



Abundance



#40

Hexachlorocyclopentadiene

Concen: 37.48 ng

RT: 8.605 min Scan# 614

Delta R.T. -0.034 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

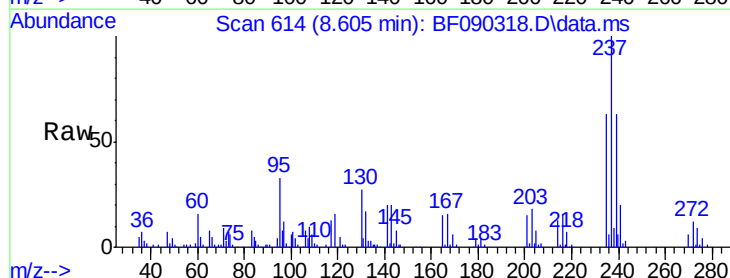
Tgt Ion:237 Resp: 120937

Ion Ratio Lower Upper

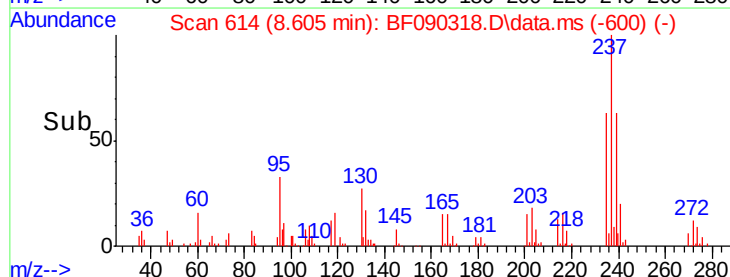
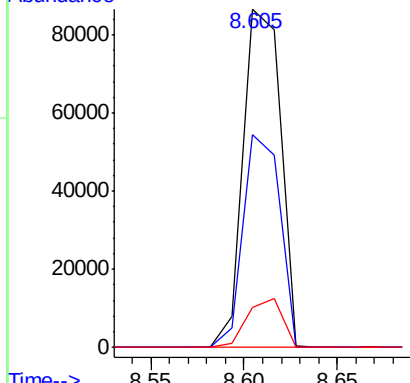
237 100

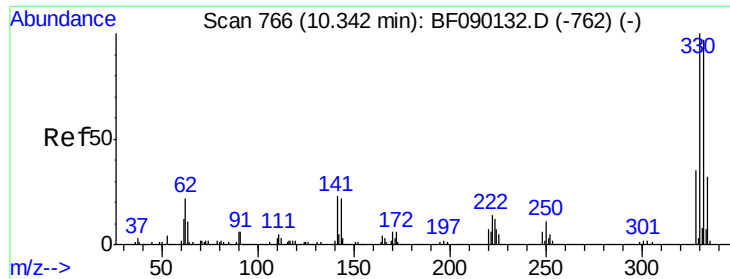
235 62.8 42.5 82.5

272 11.8 0.0 32.0



Abundance

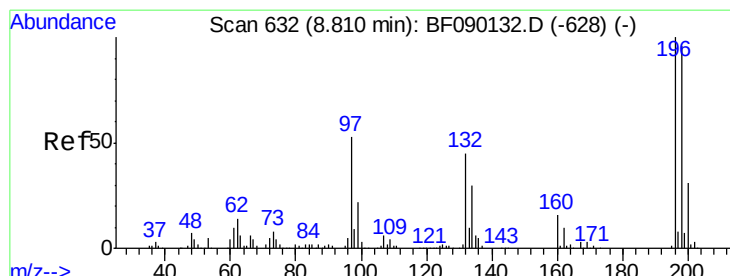
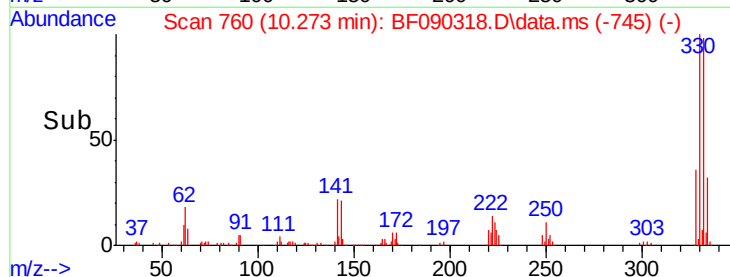
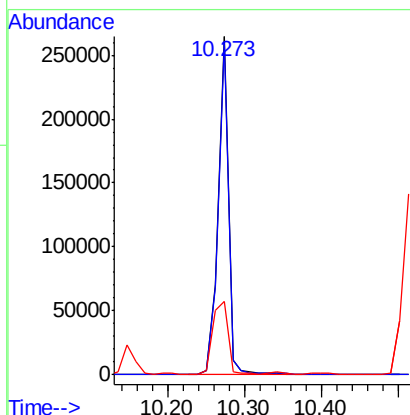
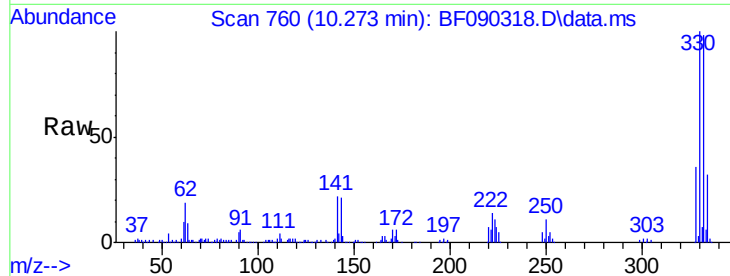




#41
 2,4,6-Tribromophenol
 Concen: 100.67 ng
 RT: 10.273 min Scan# 76
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

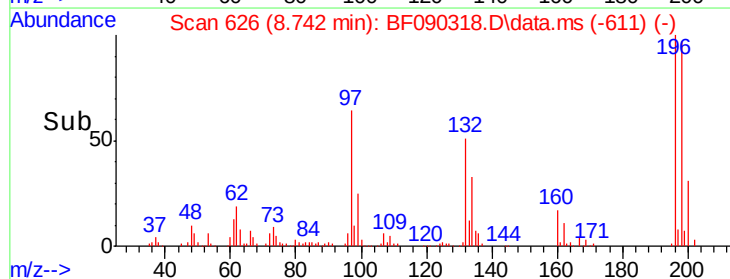
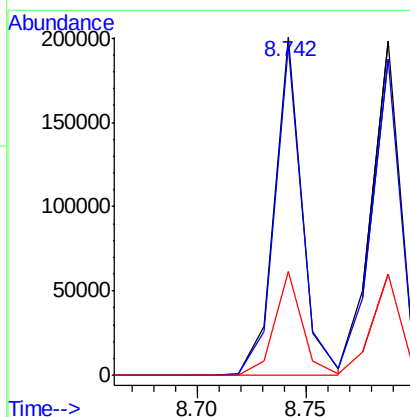
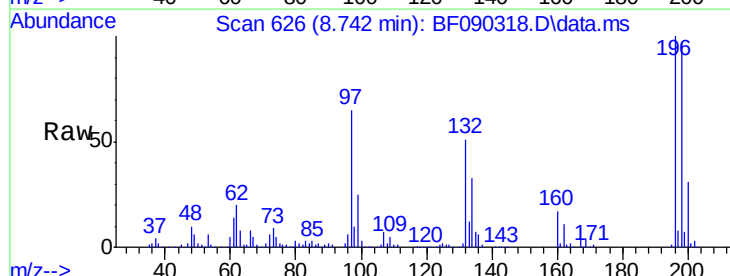
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

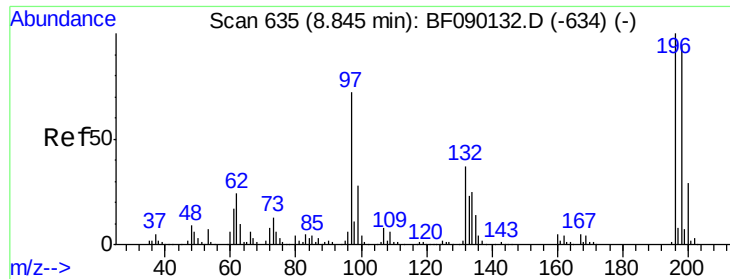
Tot Ion:330 Resp: 246011
 Ion Ratio Lower Upper
 330 100
 332 98.1 78.1 117.1
 141 31.6 23.9 35.9



#42
 2,4,6-Trichlorophenol
 Concen: 38.31 ng
 RT: 8.742 min Scan# 626
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion:196 Resp: 178484
 Ion Ratio Lower Upper
 196 100
 198 97.2 76.3 114.5
 200 30.7 24.1 36.1

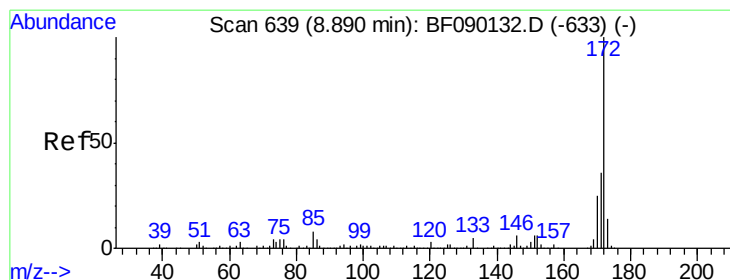
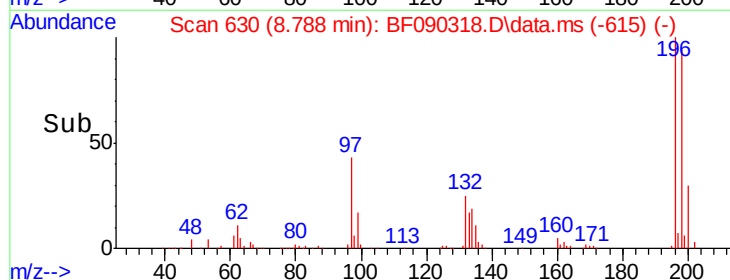
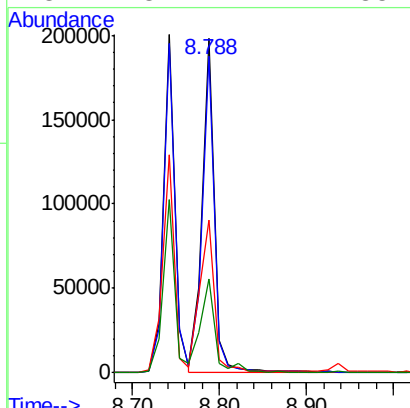
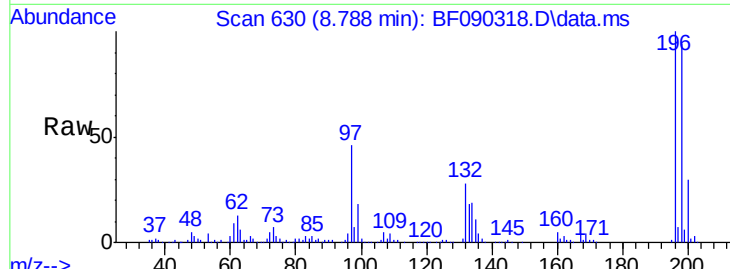




#43
 2,4,5-Trichlorophenol
 Concen: 39.94 ng
 RT: 8.788 min Scan# 63
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

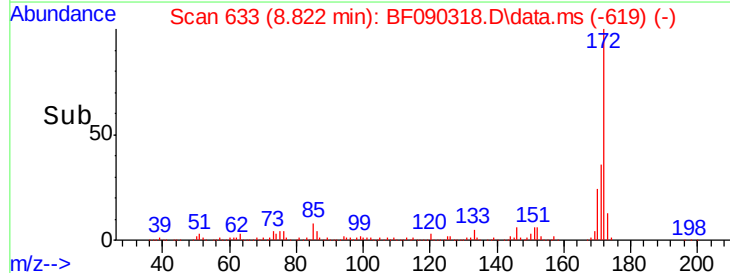
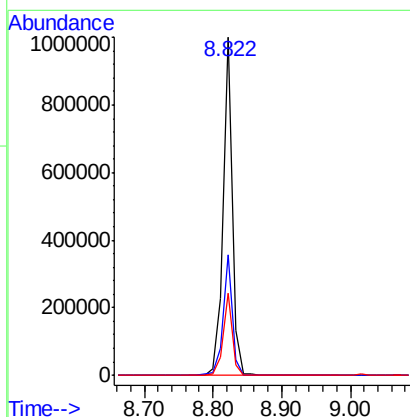
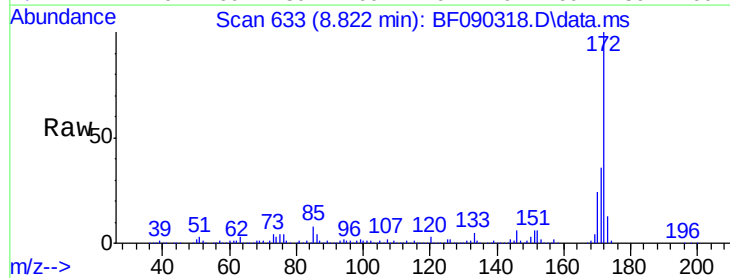
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

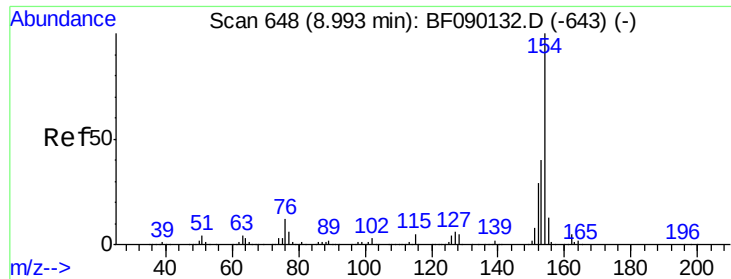
Tot Ion:	196	Resp:	192678
Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.6	114.8
97	45.5	34.4	51.6
132	28.1	22.2	33.2



#44
 2-Fluorobiphenyl
 Concen: 65.91 ng
 RT: 8.822 min Scan# 633
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion:	172	Resp:	956331
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	24.3	19.8	29.8

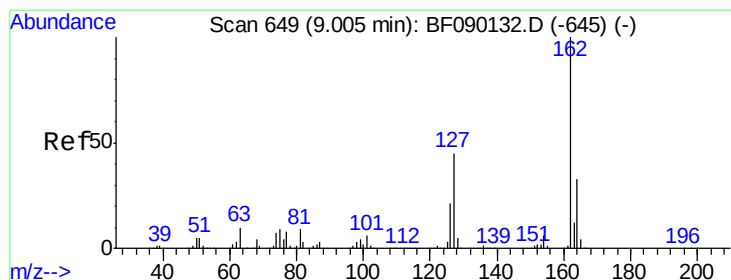
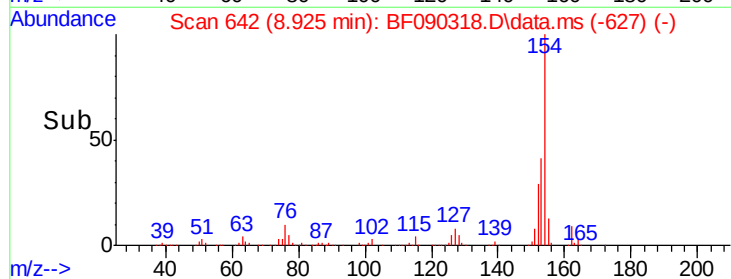
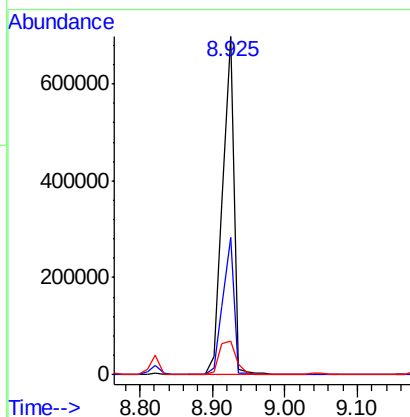
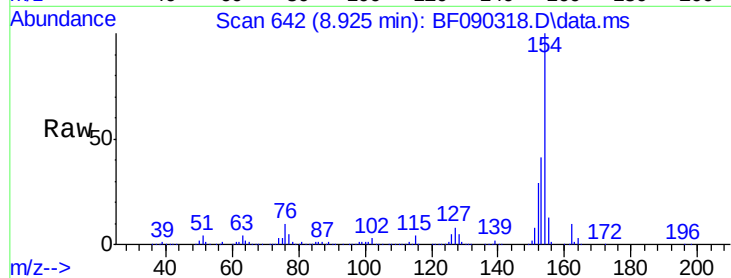




#45
1,1'-Biphenyl
Concen: 37.47 ng
RT: 8.925 min Scan# 641
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

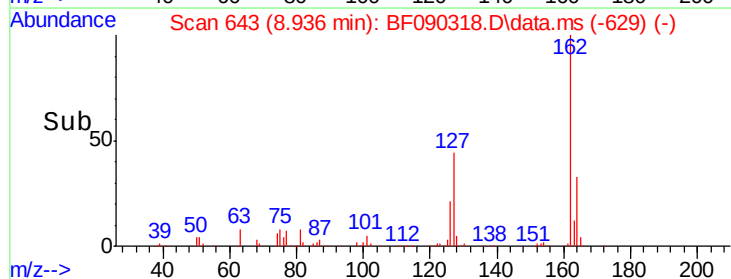
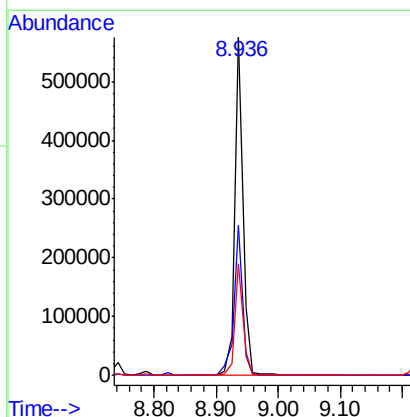
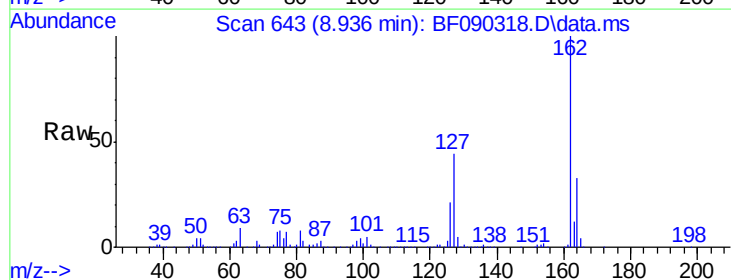
Instrument :
BNA_F
ClientSampleId :
PA-4MS

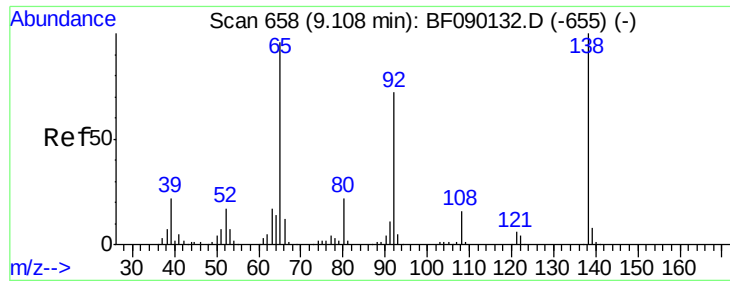
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.6	60.6
76	9.8	0.0	36.7



#46
2-Chloronaphthalene
Concen: 35.60 ng
RT: 8.936 min Scan# 643
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
162	100		
127	44.4	34.0	51.0
164	32.9	26.8	40.2

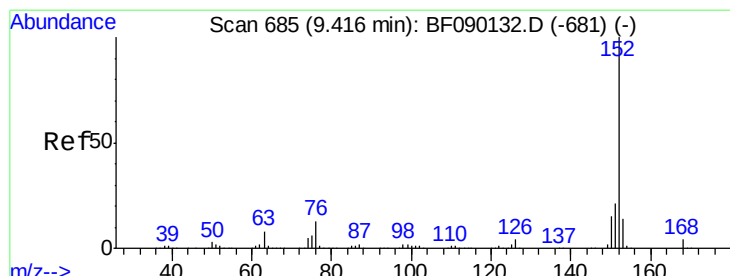
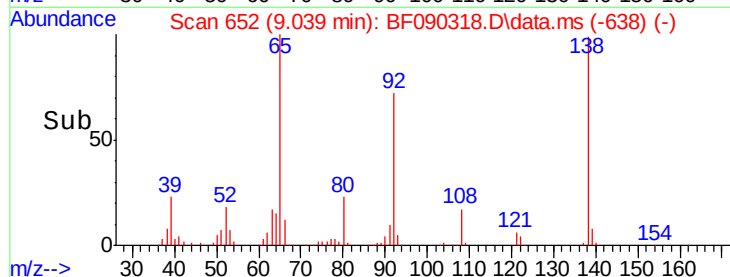
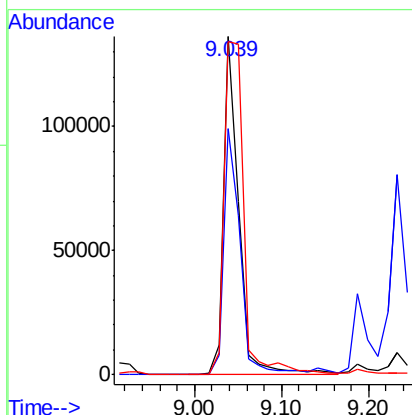
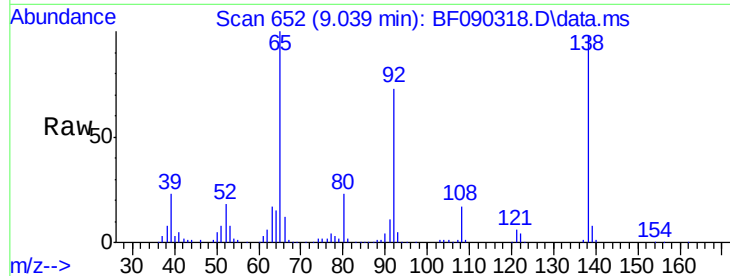




#47
2-Nitroaniline
Concen: 36.96 ng
RT: 9.039 min Scan# 65
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

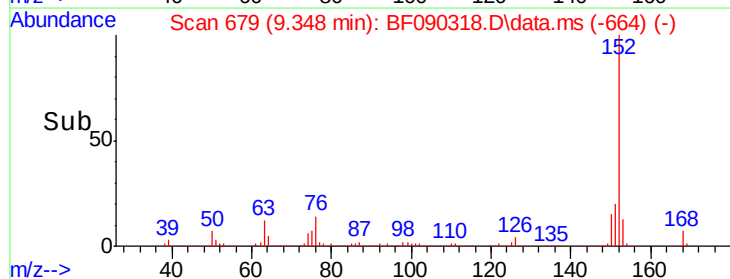
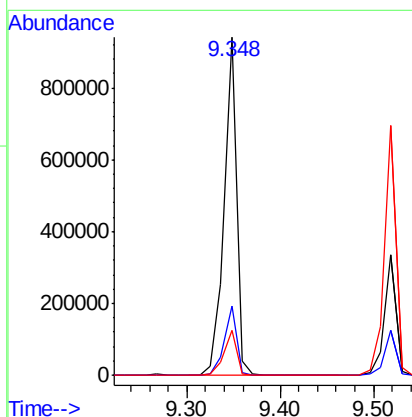
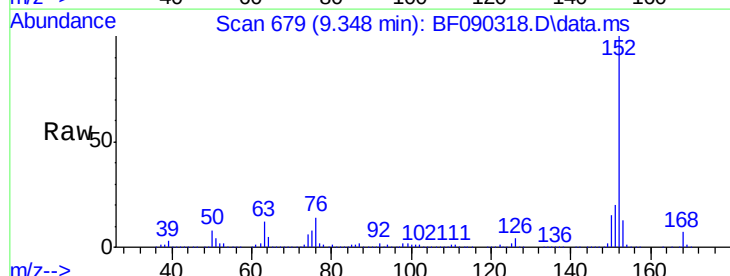
Instrument :
BNA_F
ClientSampleId :
PA-4MS

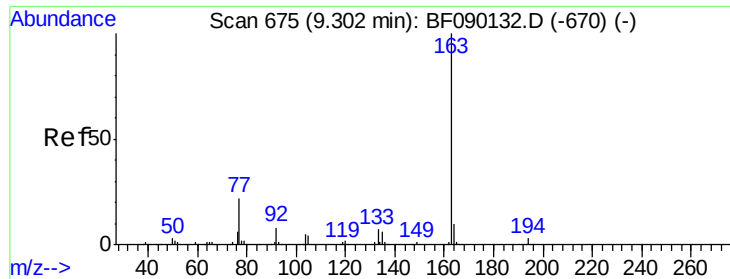
Tot Ion: 65 Resp: 167543
Ion Ratio Lower Upper
65 100
92 72.6 66.1 99.1
138 98.3 104.1 156.1#



#48
Acenaphthylene
Concen: 35.70 ng
RT: 9.348 min Scan# 679
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion: 152 Resp: 871710
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7
153 13.4 10.6 15.8





#49

Dimethylphthalate

Concen: 64.41 ng

RT: 9.233 min Scan# 661

Delta R.T. -0.034 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

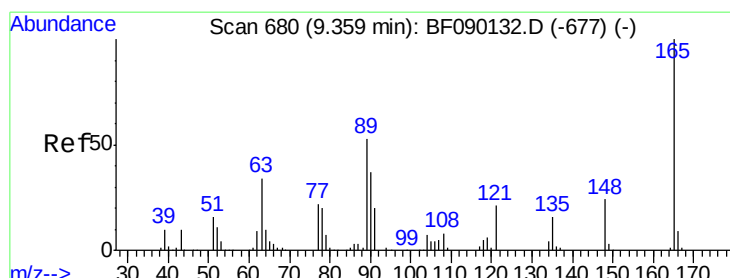
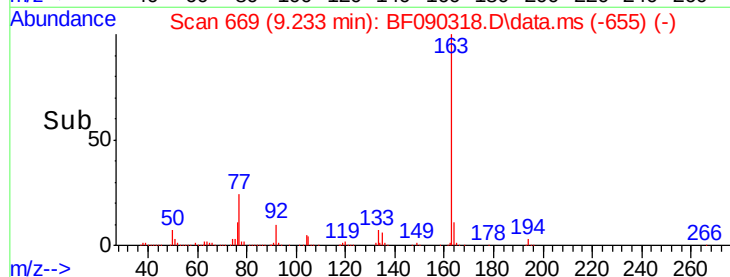
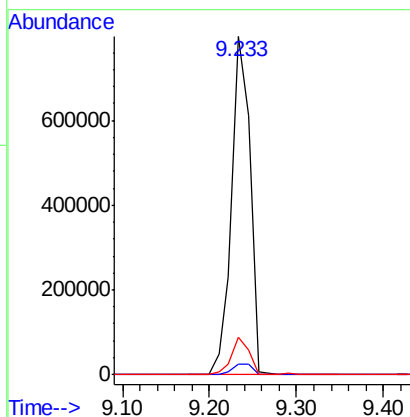
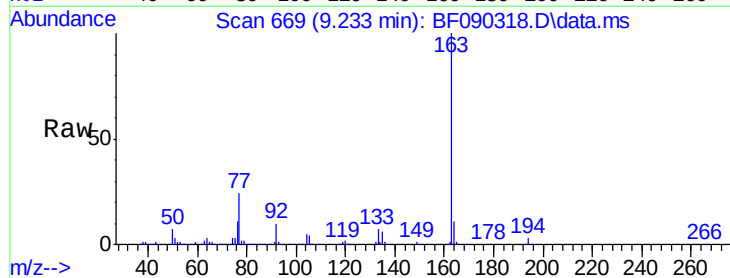
Tot Ion:163 Resp: 1168663

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

164 10.9 8.1 12.1



#50

2,6-Dinitrotoluene

Concen: 33.62 ng

RT: 9.290 min Scan# 674

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

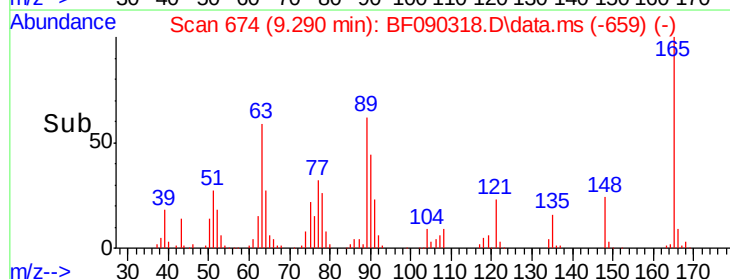
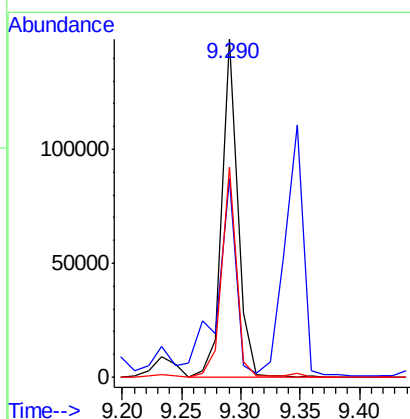
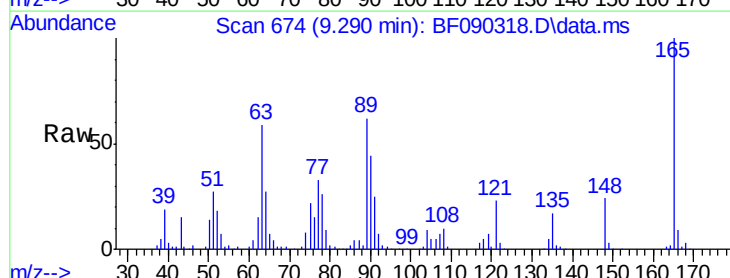
Tgt Ion:165 Resp: 135941

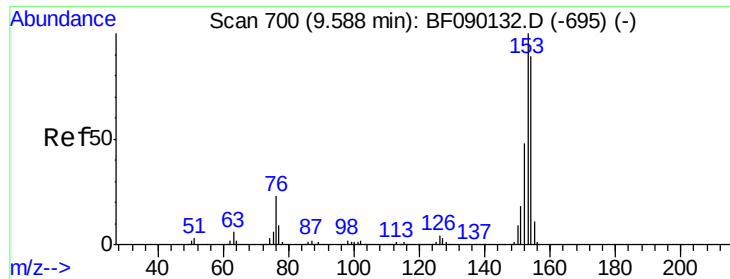
Ion Ratio Lower Upper

165 100

63 58.9 49.9 74.9

89 62.3 51.0 76.4





#51

Acenaphthene

Concen: 36.30 ng

RT: 9.519 min Scan# 69

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

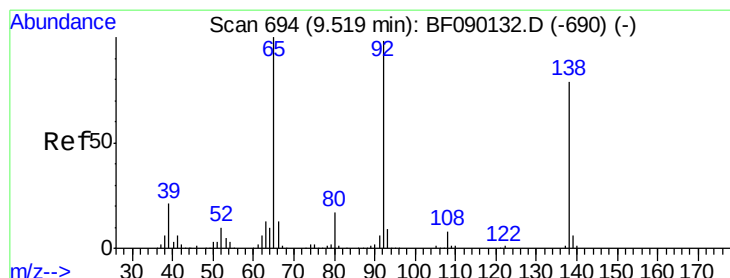
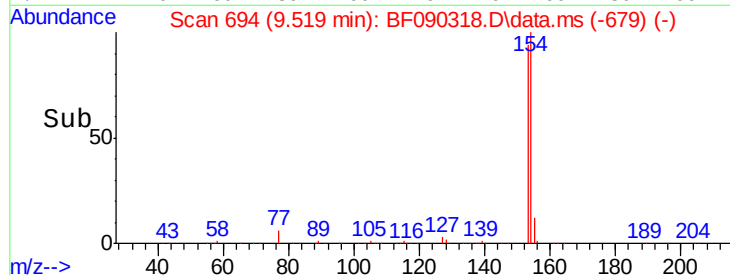
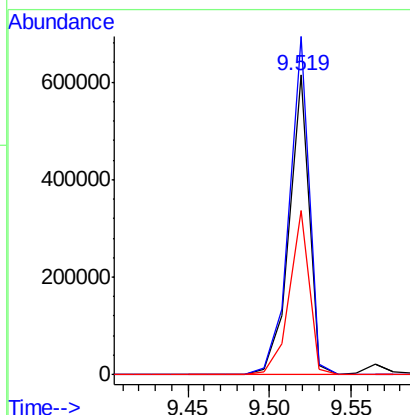
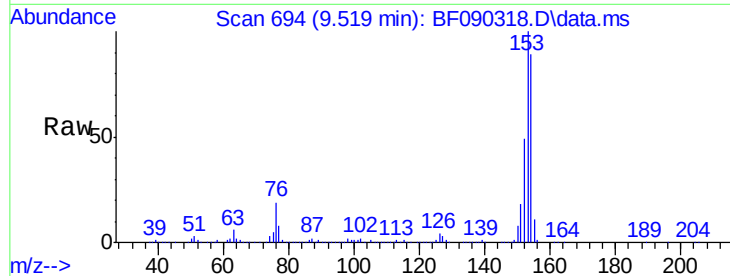
Tot Ion:154 Resp: 526114

Ion Ratio Lower Upper

154 100

153 113.0 90.8 136.2

152 54.8 44.2 66.4



#52

3-Nitroaniline

Concen: 22.28 ng

RT: 9.450 min Scan# 688

Delta R.T. -0.034 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

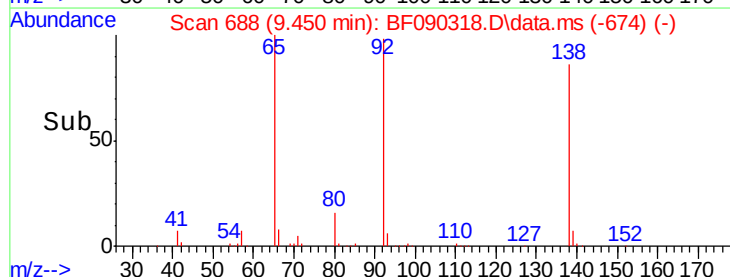
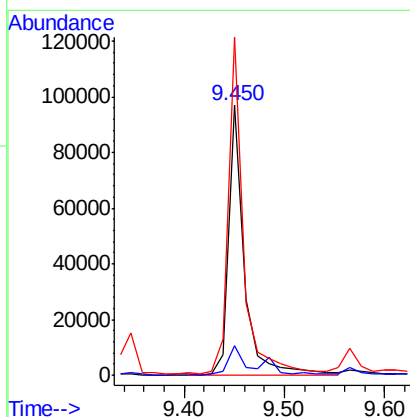
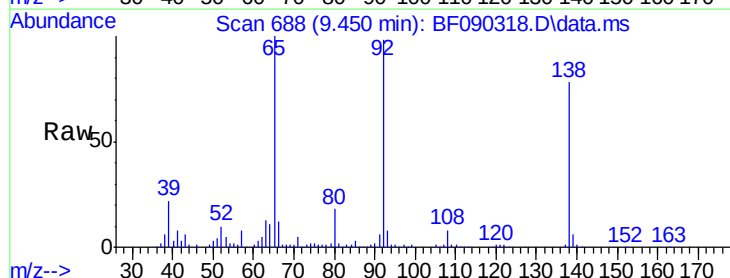
Tgt Ion:138 Resp: 105636

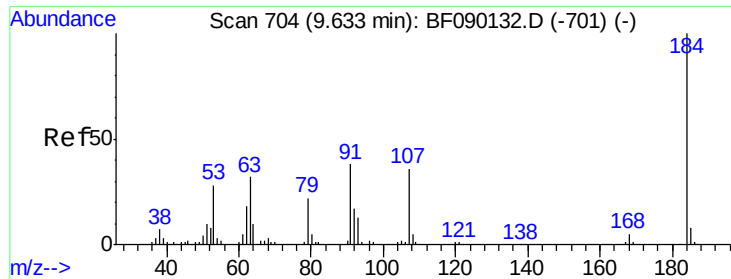
Ion Ratio Lower Upper

138 100

108 10.8 7.8 11.6

92 125.1 90.7 136.1

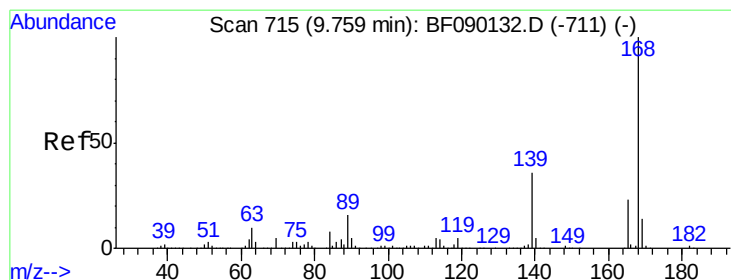
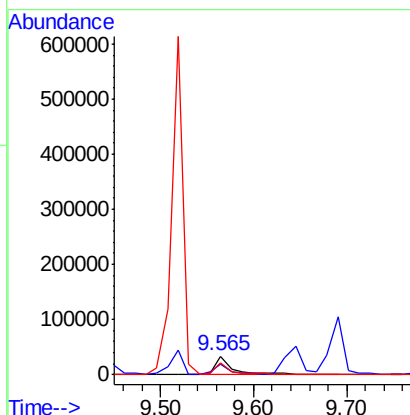
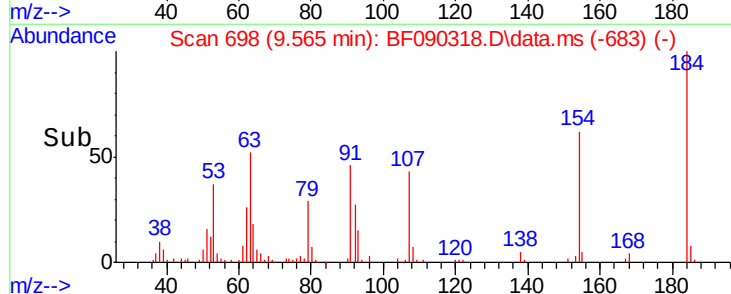
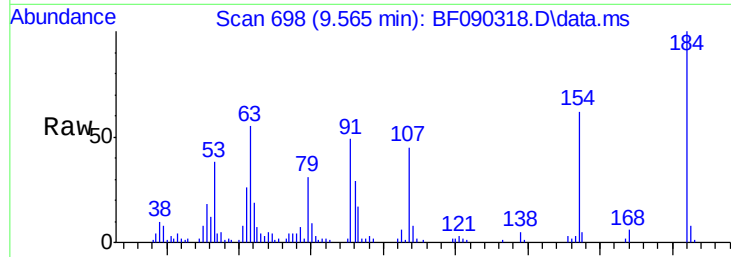




#53
2,4-Dinitrophenol
Concen: 19.67 ng
RT: 9.565 min Scan# 69
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

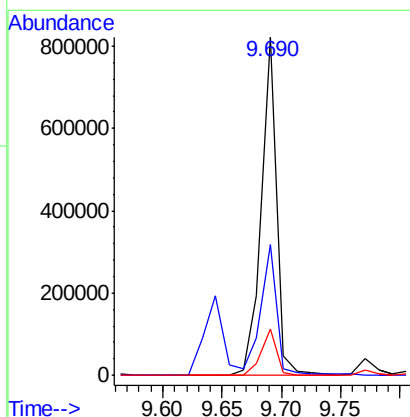
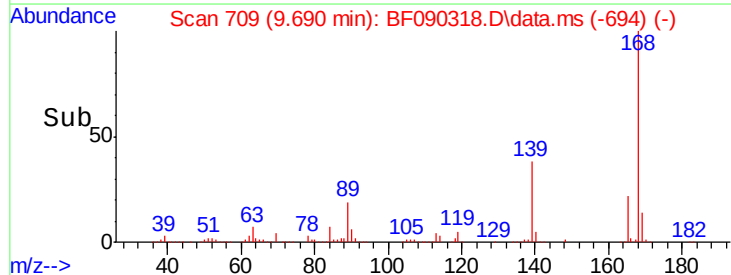
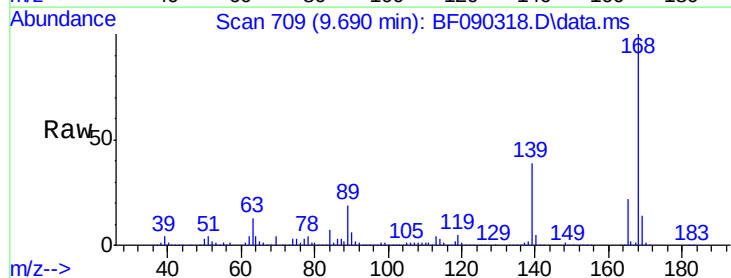
Instrument :
BNA_F
ClientSampleId :
PA-4MS

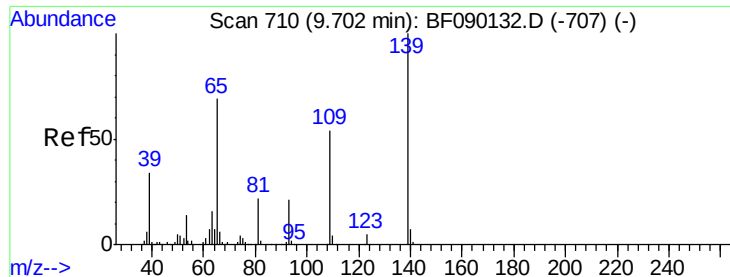
Tot Ion:184 Resp: 38896
Ion Ratio Lower Upper
184 100
63 54.6 44.6 67.0
154 62.4 49.7 74.5



#54
Dibenzofuran
Concen: 39.40 ng
RT: 9.690 min Scan# 709
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion:168 Resp: 751412
Ion Ratio Lower Upper
168 100
139 38.8 28.8 43.2
169 13.7 10.7 16.1

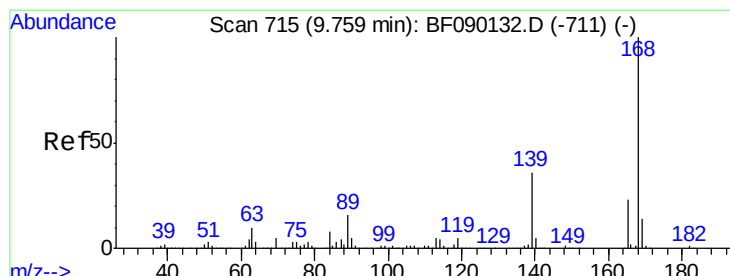
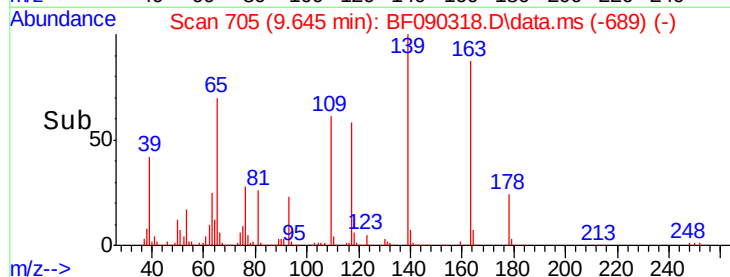
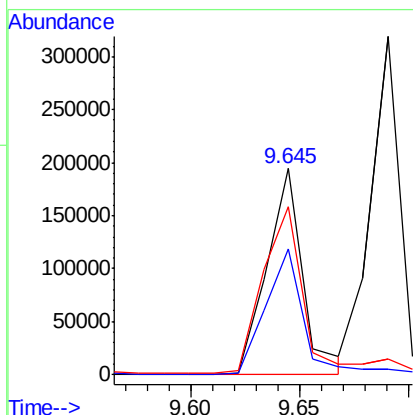
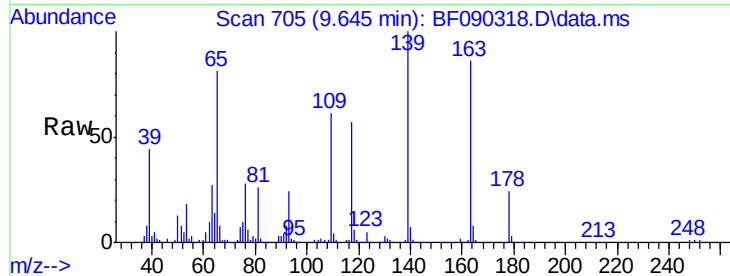




#55
4-Nitrophenol
Concen: 68.94 ng
RT: 9.645 min Scan# 70
Delta R.T. -0.011 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

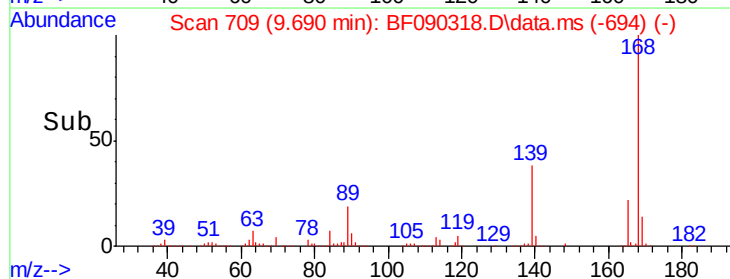
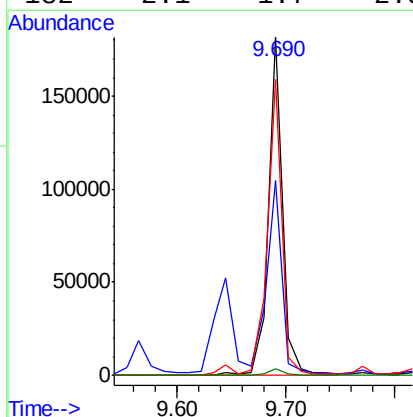
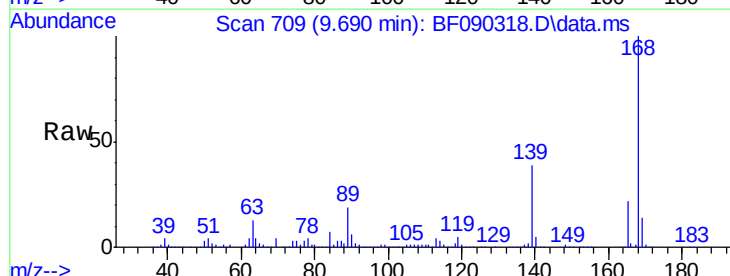
Instrument :
BNA_F
ClientSampleId :
PA-4MS

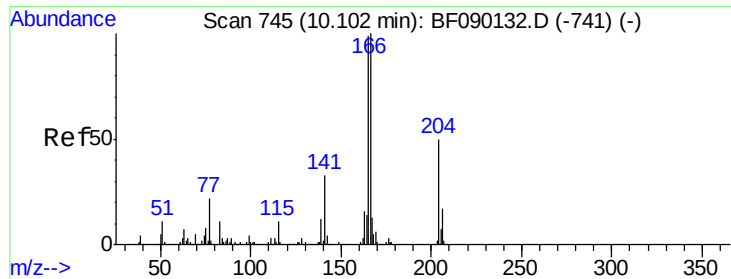
Tot Ion	Ratio	Lower	Upper
139	100		
109	61.0	35.6	75.6
65	81.4	55.5	95.5



#56
2,4-Dinitrotoluene
Concen: 34.92 ng
RT: 9.690 min Scan# 709
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	57.8	44.4	66.6
89	87.5	70.1	105.1
182	2.1	1.7	2.5

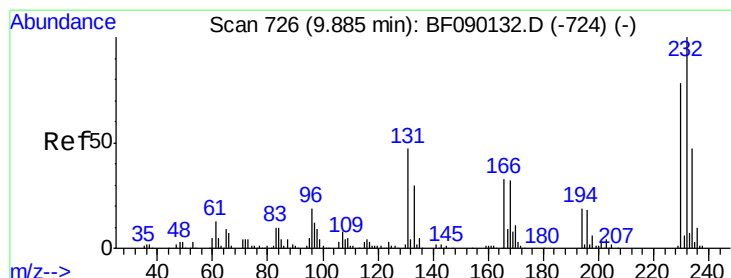
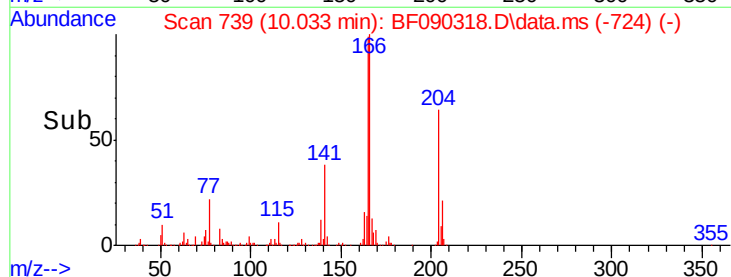
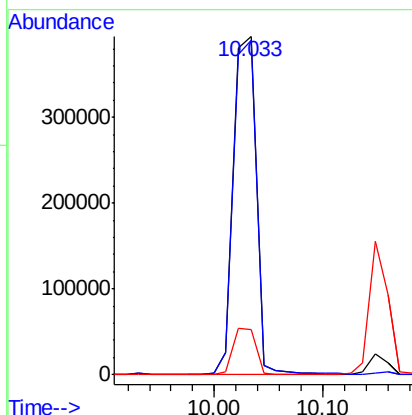
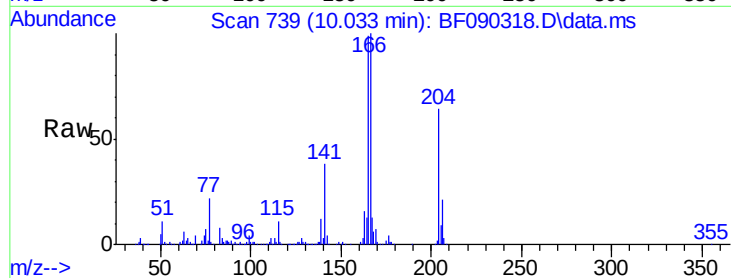




#57
 Fluorene
 Concen: 39.34 ng
 RT: 10.033 min Scan# 731
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

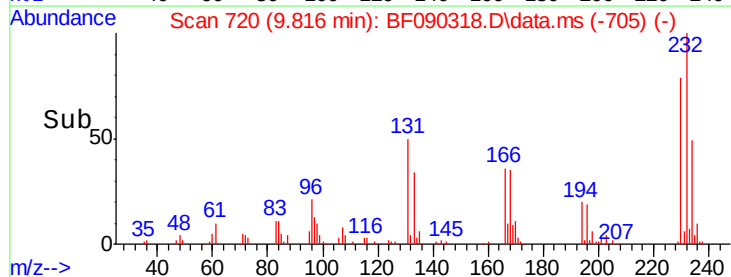
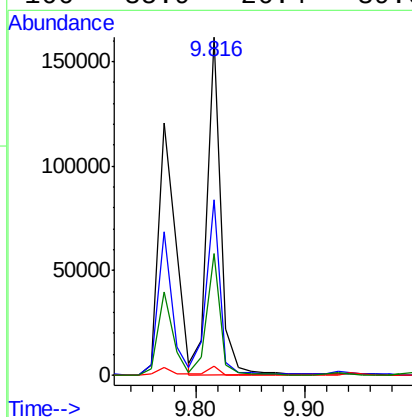
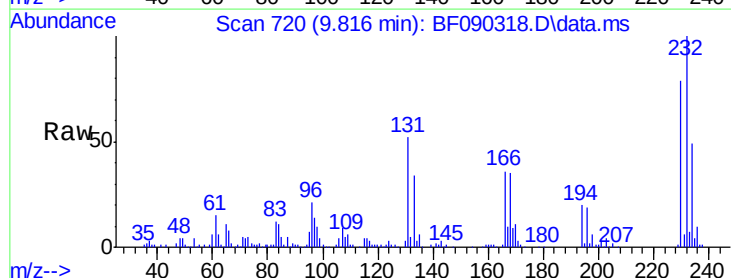
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

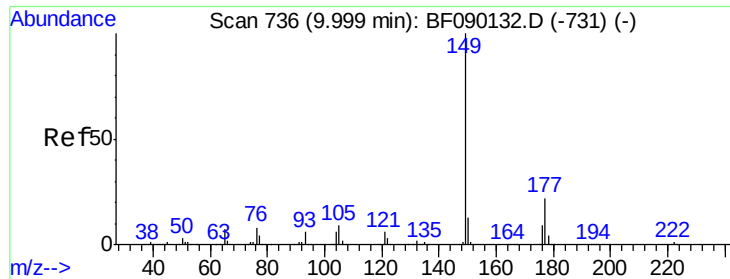
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.5	117.7
167	13.2	11.2	16.8



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 39.67 ng
 RT: 9.816 min Scan# 720
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
232	100		
131	51.7	42.2	63.4
130	2.7	1.9	2.9
166	35.9	26.4	39.6

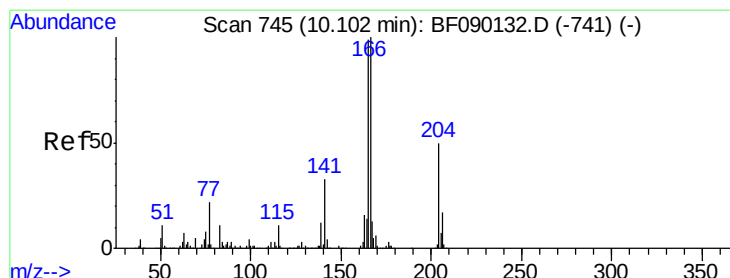
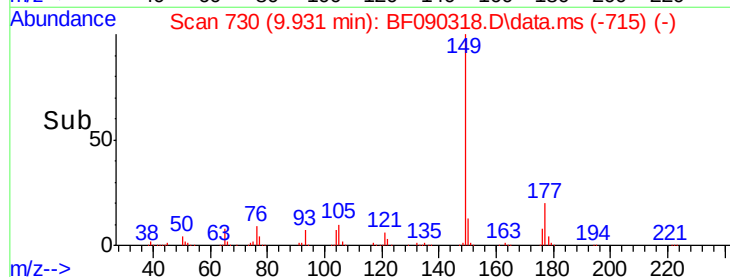
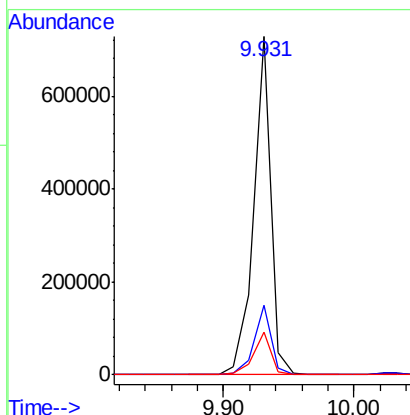
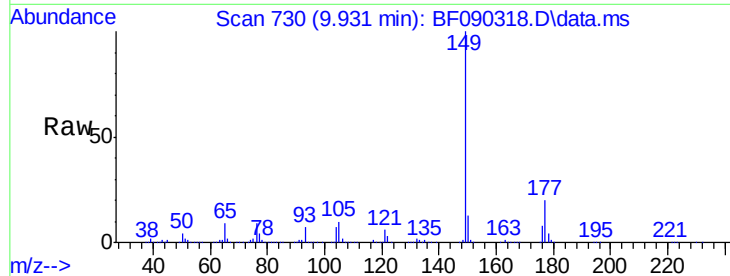




#59
Diethylphthalate
Concen: 38.03 ng
RT: 9.931 min Scan# 731
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

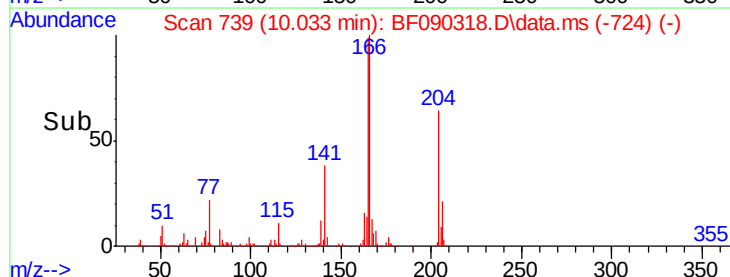
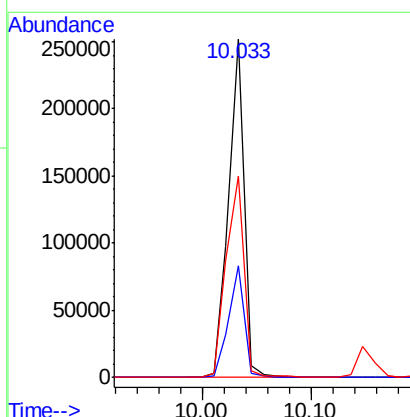
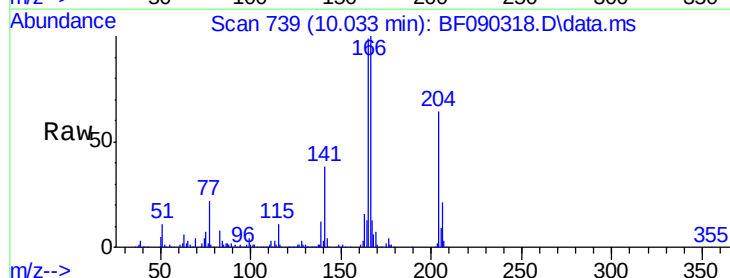
Instrument :
BNA_F
ClientSampleId :
PA-4MS

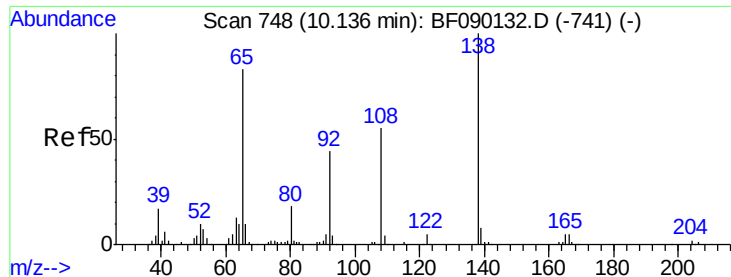
Tot Ion:	149	Resp:	666417
Ion Ratio	Lower	Upper	
149	100		
177	20.3	15.8	23.6
150	12.7	10.4	15.6



#60
4-Chlorophenyl-phenylether
Concen: 38.21 ng
RT: 10.033 min Scan# 739
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion:	204	Resp:	250441
Ion Ratio	Lower	Upper	
204	100		
206	33.1	25.6	38.4
141	59.4	64.4	96.6#

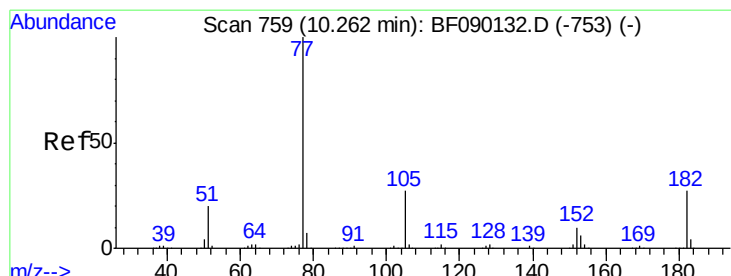
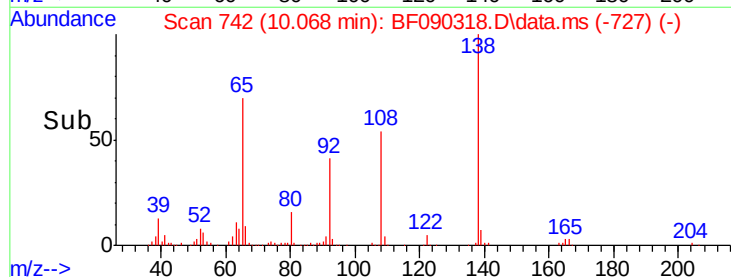
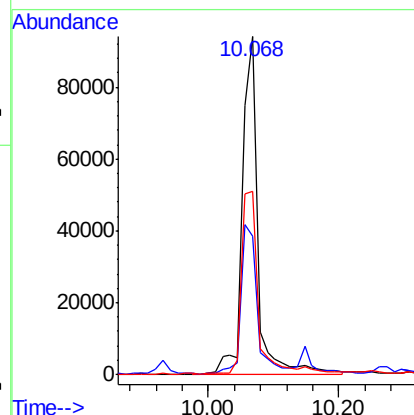
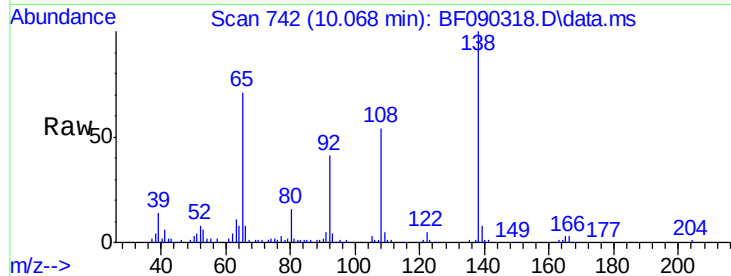




#61
4-Nitroaniline
Concen: 31.77 ng
RT: 10.068 min Scan# 741
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

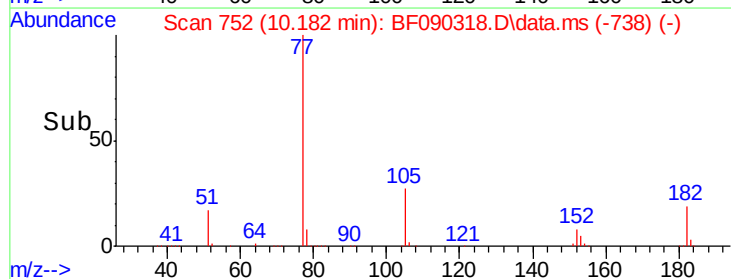
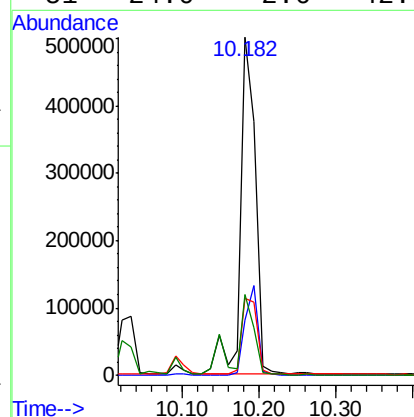
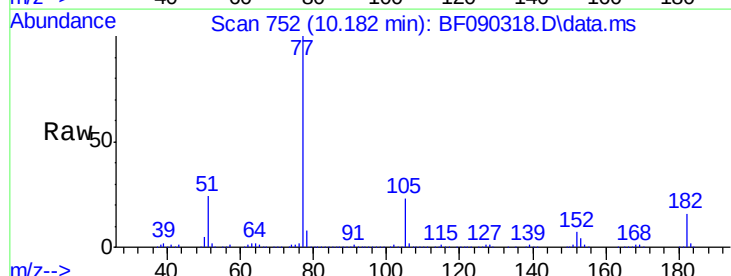
Instrument :
BNA_F
ClientSampleId :
PA-4MS

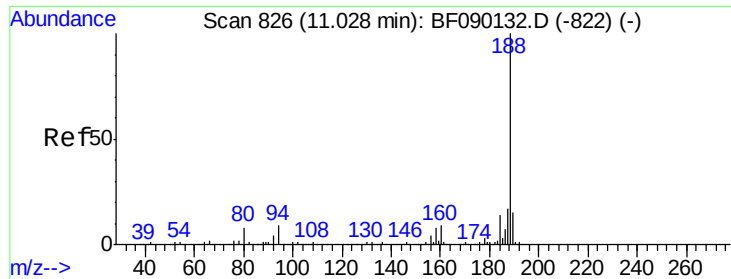
Tot Ion	Ratio	Lower	Upper
138	100		
92	40.9	23.8	63.8
108	54.3	35.0	75.0



#62
Azobenzene
Concen: 37.92 ng
RT: 10.182 min Scan# 752
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
77	100		
182	16.3	0.0	38.4
105	22.8	3.8	43.8
51	24.0	2.6	42.6

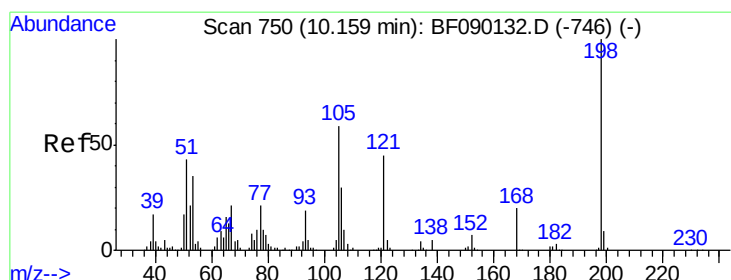
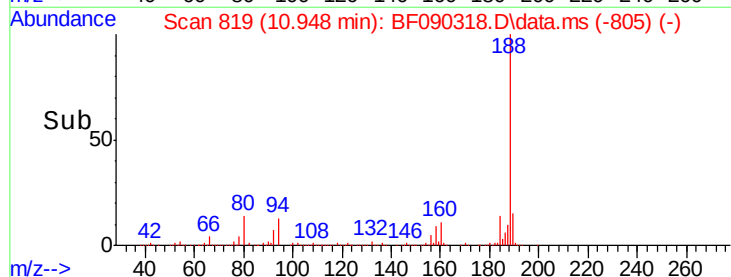
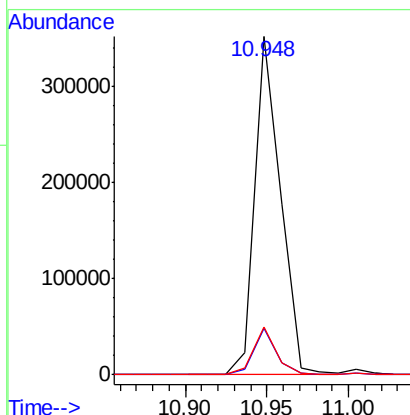
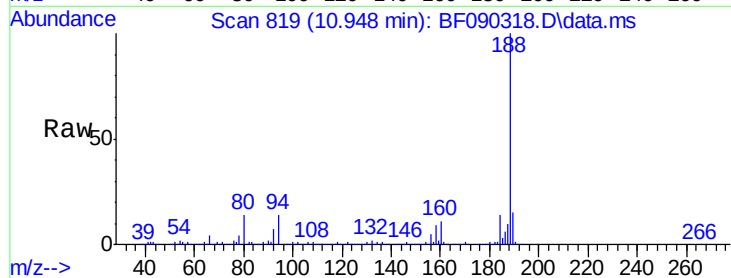




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.948 min Scan# 81
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

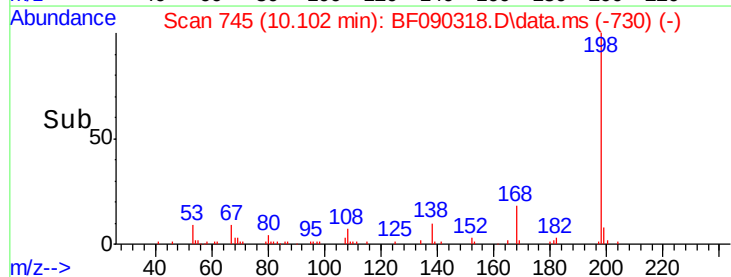
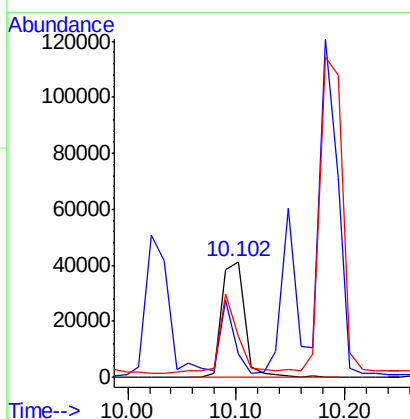
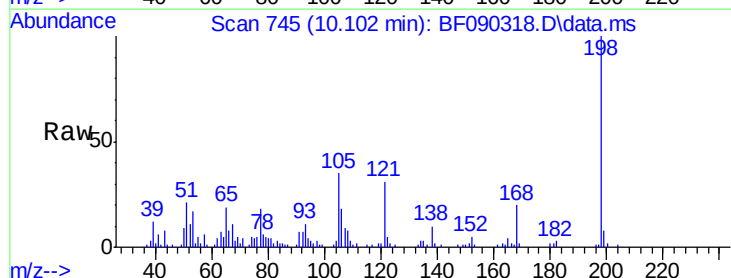
Instrument :
BNA_F
ClientSampleId :
PA-4MS

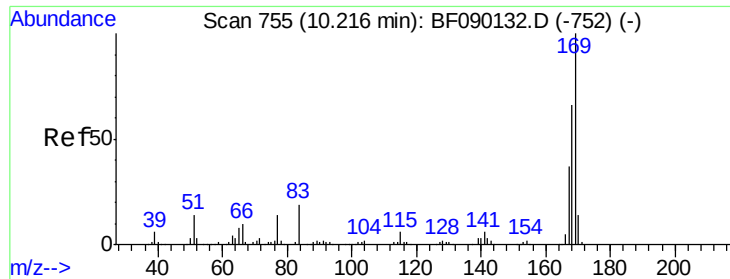
Tot Ion:188	Resp:	385613
Ion Ratio	Lower	Upper
188	100	
94	13.6	10.5 15.7
80	14.1	11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 24.94 ng
RT: 10.102 min Scan# 745
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion:198	Resp:	60227
Ion Ratio	Lower	Upper
198	100	
51	20.5	5.5 45.5
105	35.1	21.8 61.8

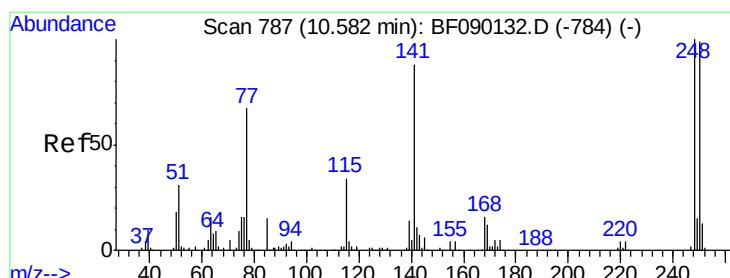
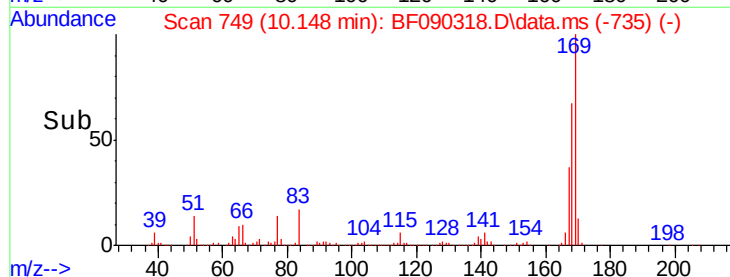
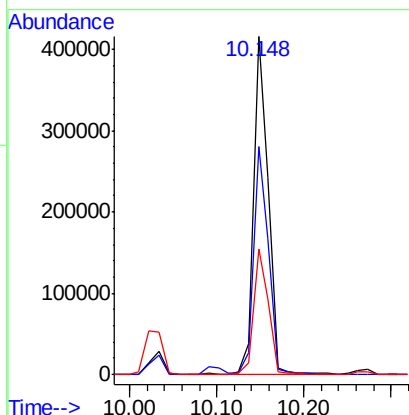
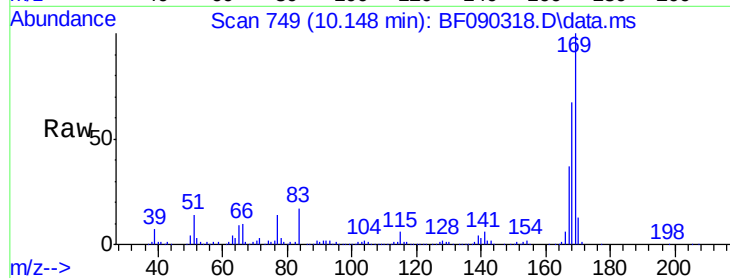




#65
 n-Nitrosodiphenylamine
 Concen: 39.05 ng
 RT: 10.148 min Scan# 741
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

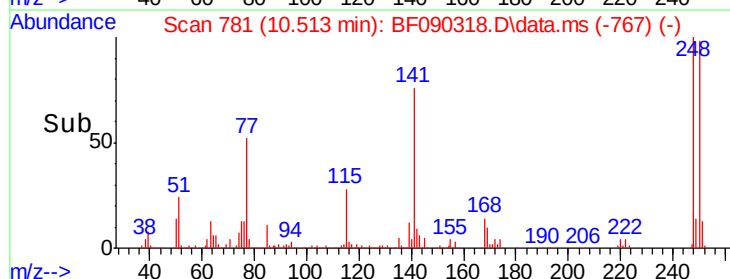
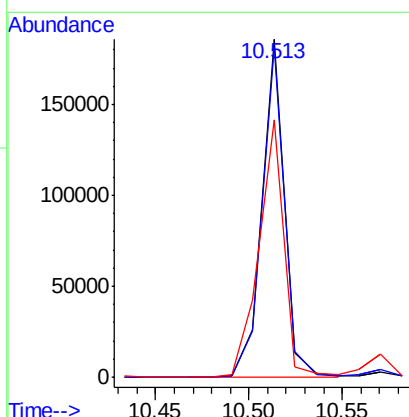
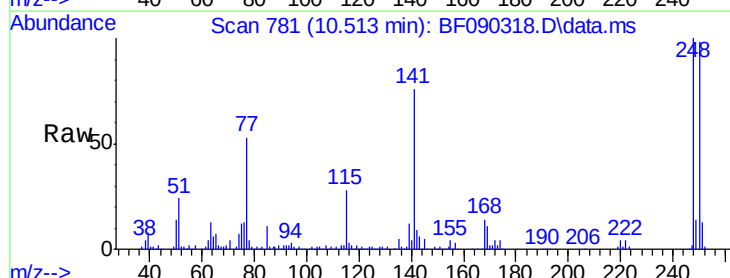
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

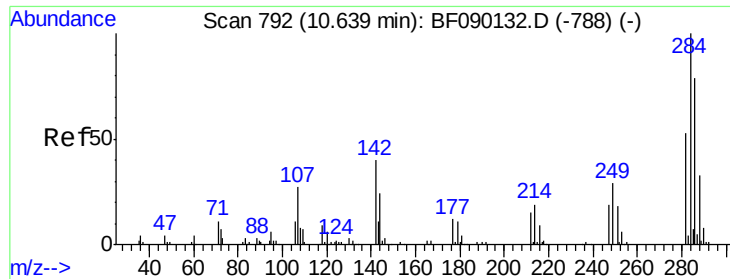
Tot Ion	Ratio	Lower	Upper
169	100		
168	67.3	54.2	81.4
167	37.3	30.3	45.5



#66
 4-Bromophenyl-phenylether
 Concen: 41.49 ng
 RT: 10.513 min Scan# 781
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.7	79.4	119.2
141	76.0	49.3	73.9#

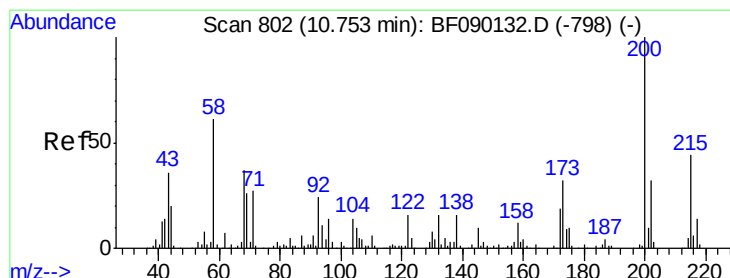
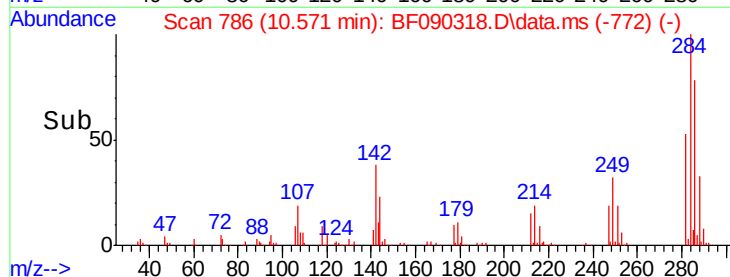
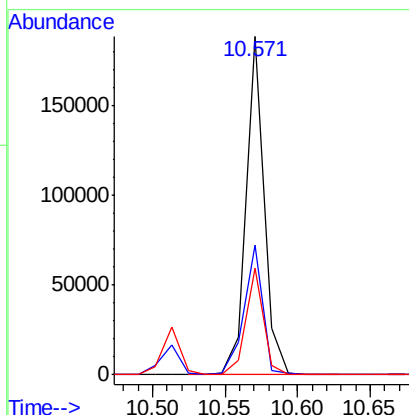
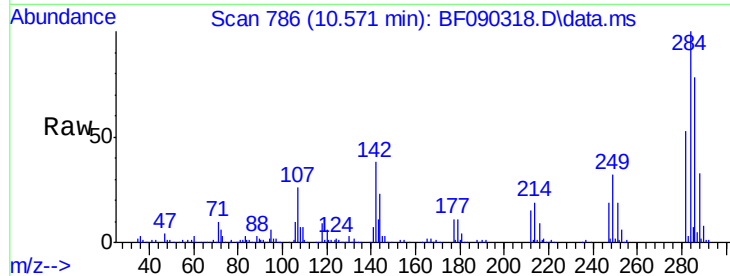




#67
Hexachlorobenzene
Concen: 36.75 ng
RT: 10.571 min Scan# 78
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

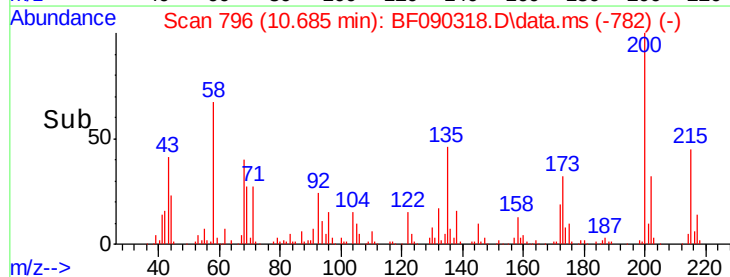
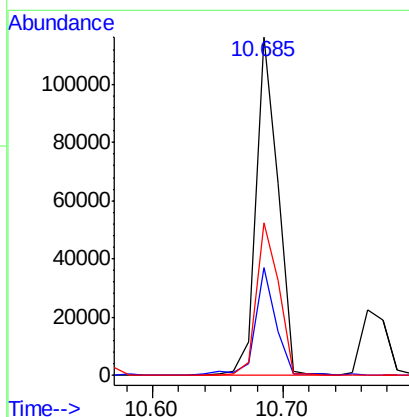
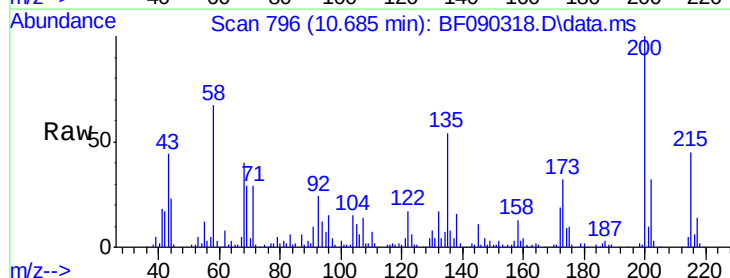
Instrument :
BNA_F
ClientSampleId :
PA-4MS

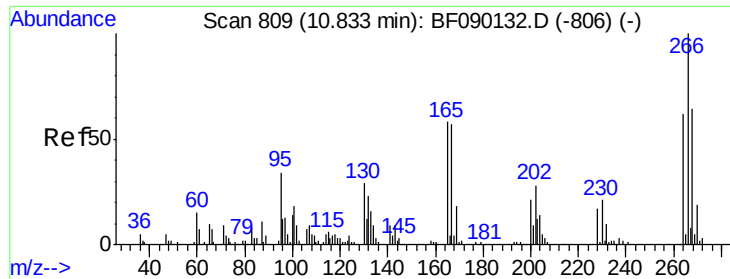
Tot Ion	Ratio	Lower	Upper
284	100		
142	38.2	24.0	36.0#
249	31.6	23.8	35.6



#68
Atrazine
Concen: 38.95 ng
RT: 10.685 min Scan# 796
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
200	100		
173	32.0	9.3	49.3
215	44.9	26.1	66.1

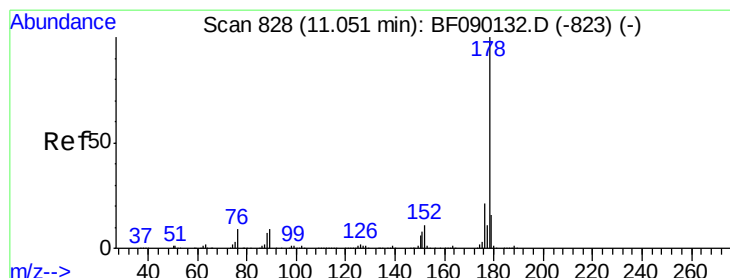
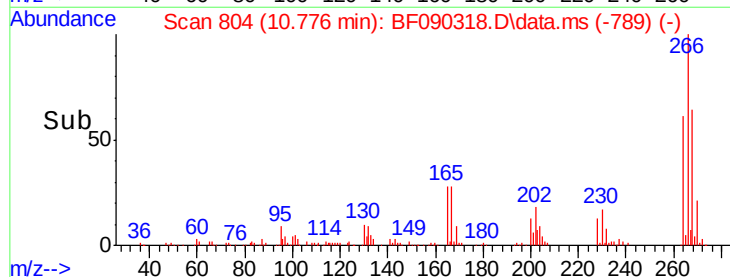
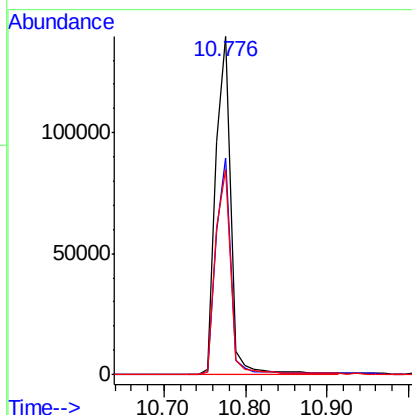
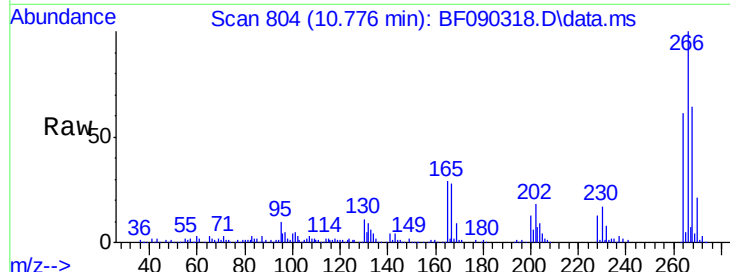




#69
 Pentachlorophenol
 Concen: 71.70 ng
 RT: 10.776 min Scan# 80
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

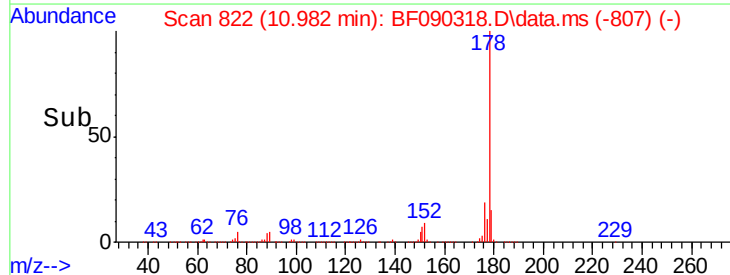
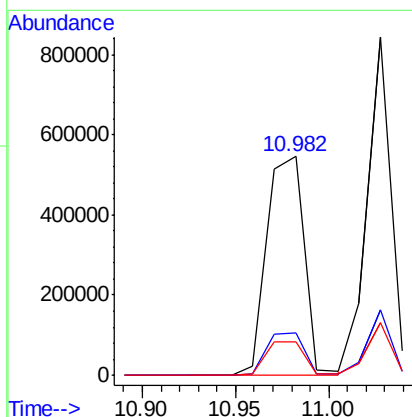
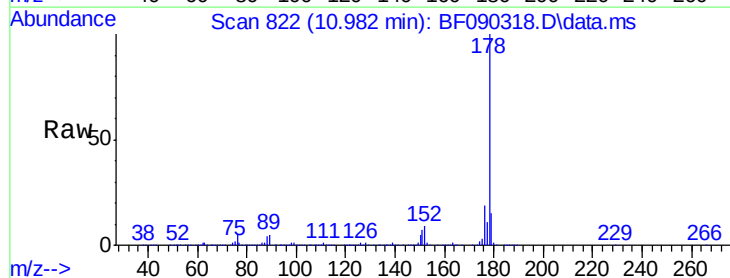
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

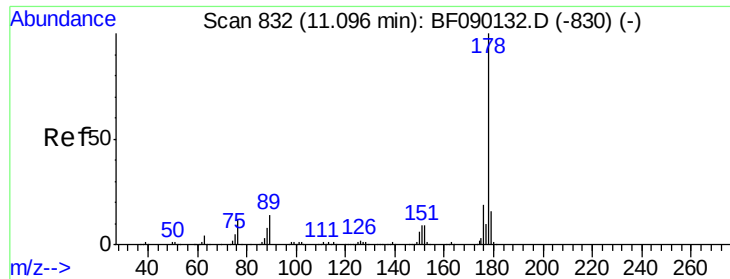
Tot Ion:266 Resp: 179977
 Ion Ratio Lower Upper
 266 100
 268 64.2 52.1 78.1
 264 60.7 50.3 75.5



#70
 Phenanthrene
 Concen: 42.06 ng
 RT: 10.982 min Scan# 822
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion:178 Resp: 758560
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.9 23.9
 179 15.2 12.9 19.3

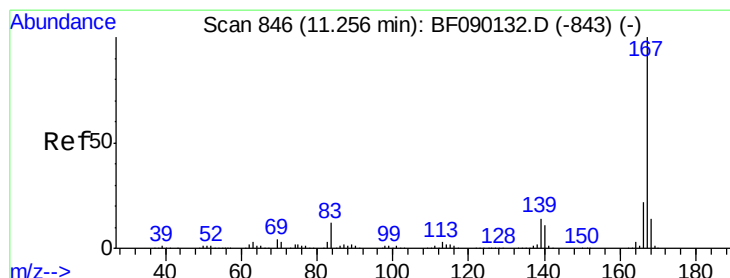
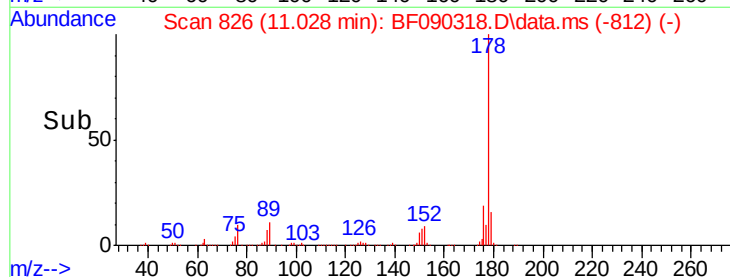
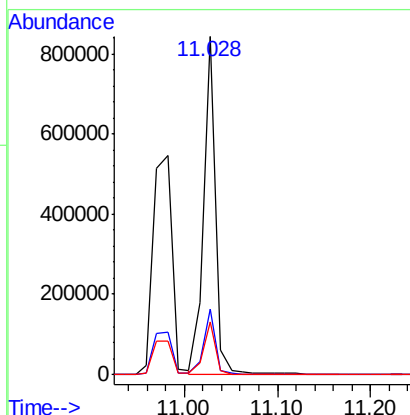
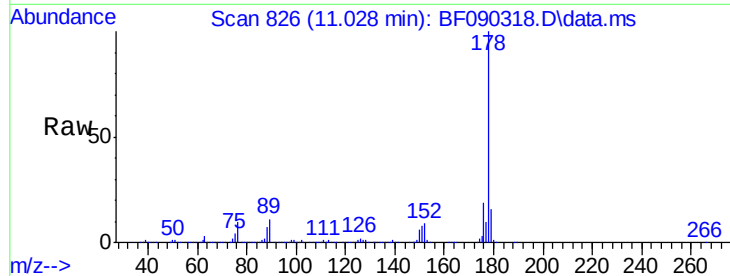




#71
 Anthracene
 Concen: 40.42 ng
 RT: 11.028 min Scan# 82
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

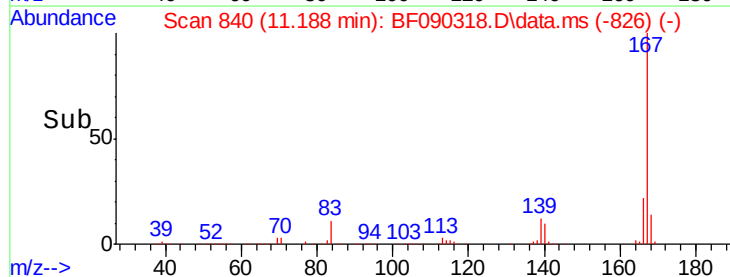
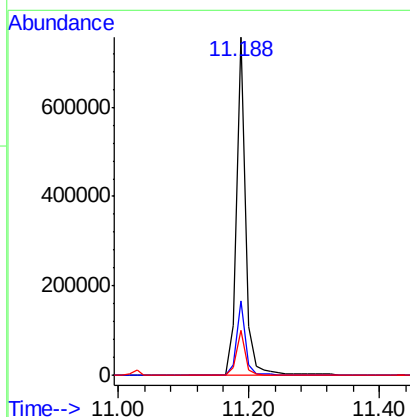
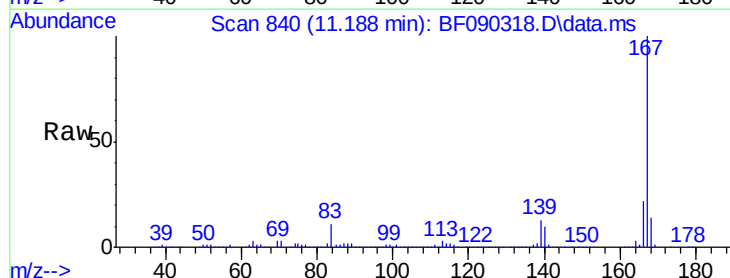
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

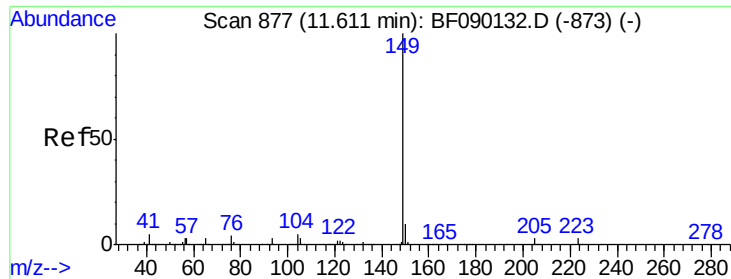
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.7	12.6	19.0



#72
 Carbazole
 Concen: 35.81 ng
 RT: 11.188 min Scan# 840
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.0	27.0
139	13.5	10.4	15.6

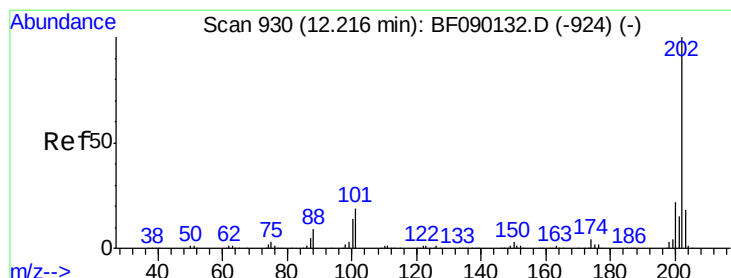
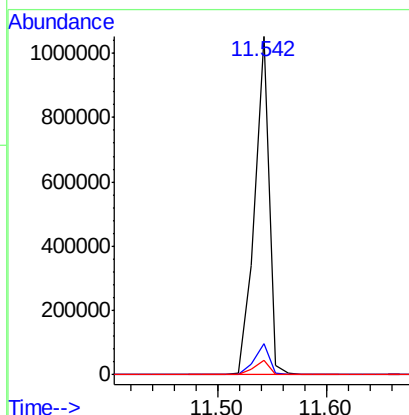
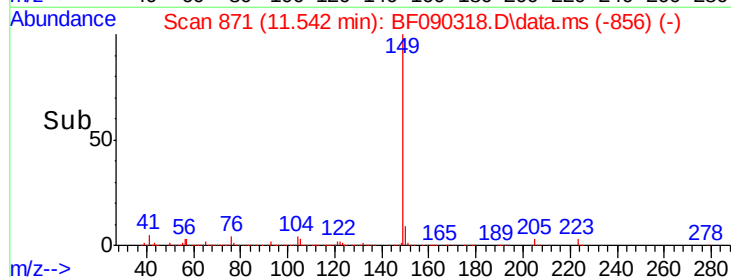
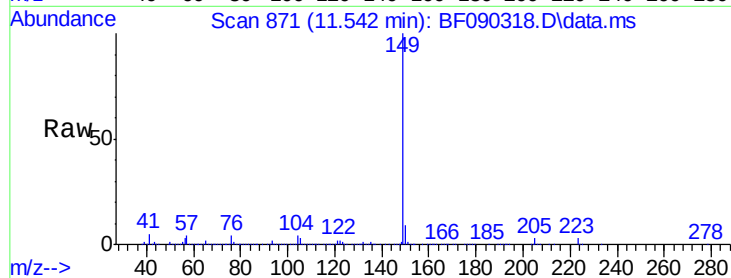




#73
Di-n-butylphthalate
Concen: 42.13 ng
RT: 11.542 min Scan# 87
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

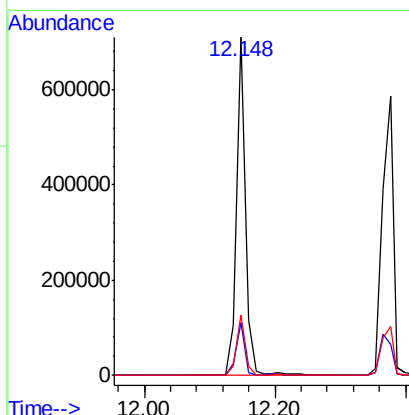
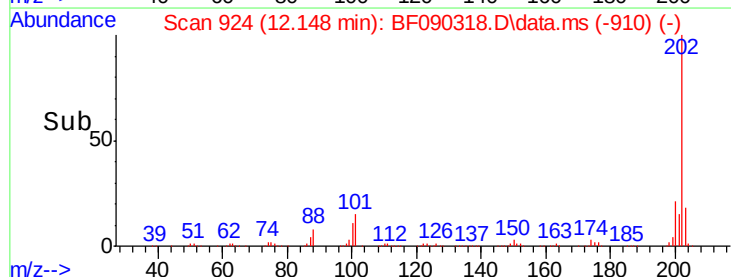
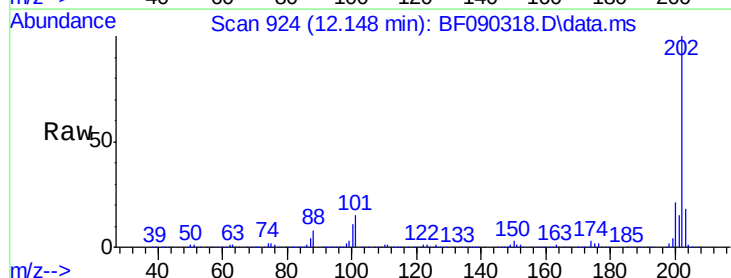
Instrument :
BNA_F
ClientSampleId :
PA-4MS

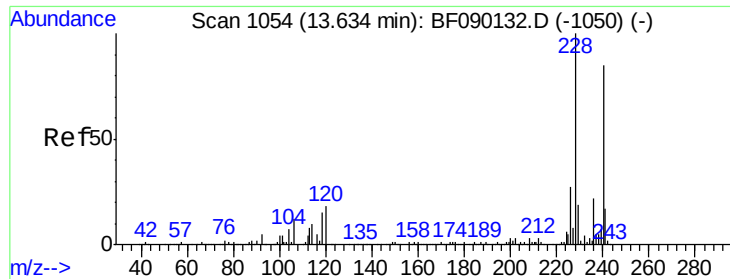
Tot Ion:	149	Resp:	979653
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.8	11.8
104	4.3	3.9	5.9



#74
Fluoranthene
Concen: 34.19 ng
RT: 12.148 min Scan# 924
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion:	202	Resp:	661845
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	36.1
203	17.9	0.0	38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.565 min Scan# 10

Delta R.T. -0.034 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

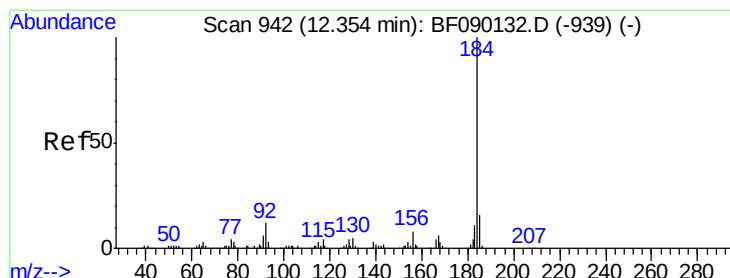
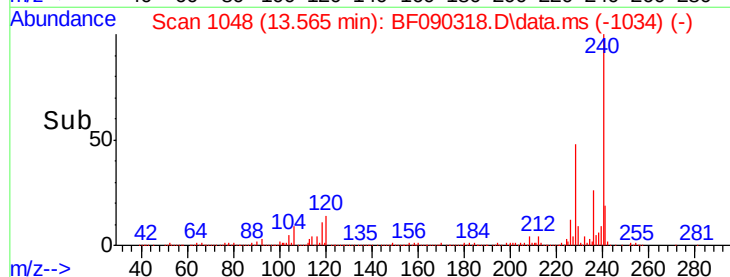
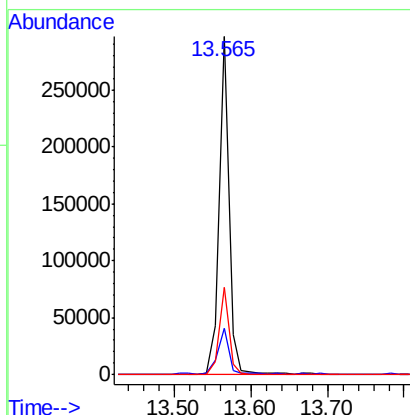
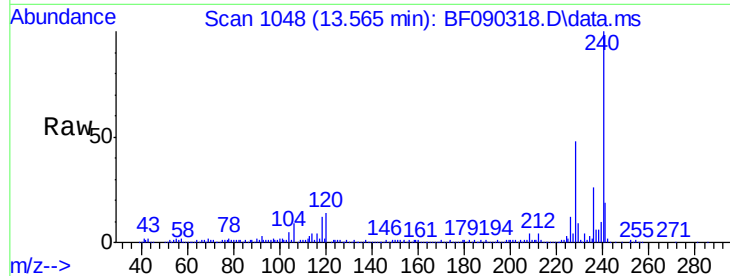
Tot Ion:240 Resp: 267715

Ion	Ratio	Lower	Upper
240	100		
120	13.8	10.6	16.0
236	25.8	21.6	32.4

240 100

120 13.8 10.6 16.0

236 25.8 21.6 32.4



#76

Benzidine

Concen: 6.10 ng

RT: 12.296 min Scan# 937

Delta R.T. -0.023 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

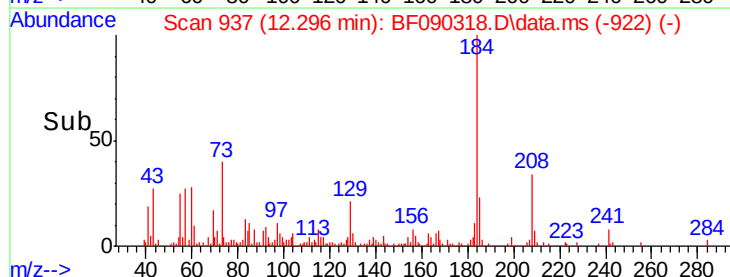
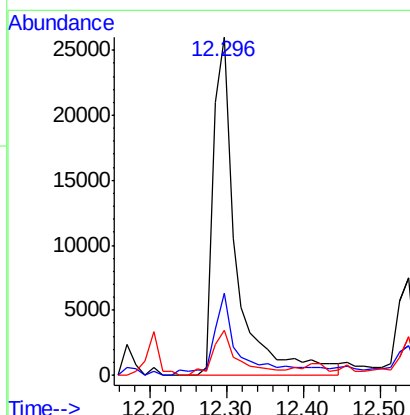
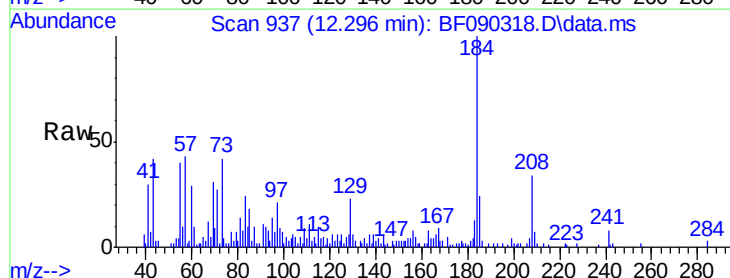
Tgt Ion:184 Resp: 54627

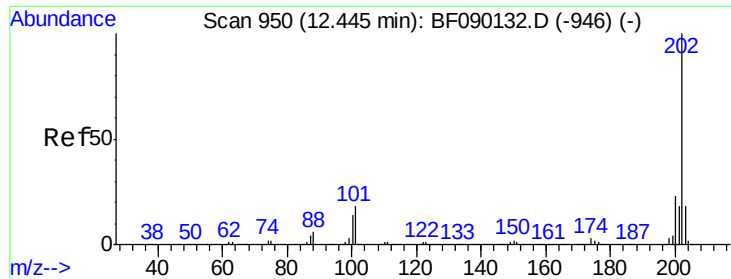
Ion	Ratio	Lower	Upper
184	100		
185	24.2	13.2	19.8#
183	13.2	9.2	13.8

184 100

185 24.2 13.2 19.8#

183 13.2 9.2 13.8

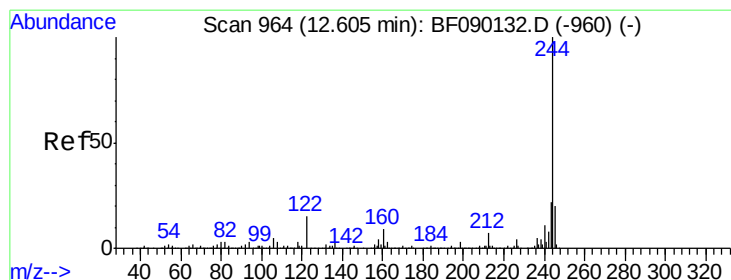
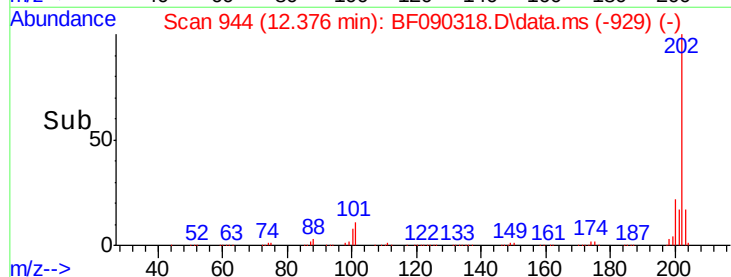
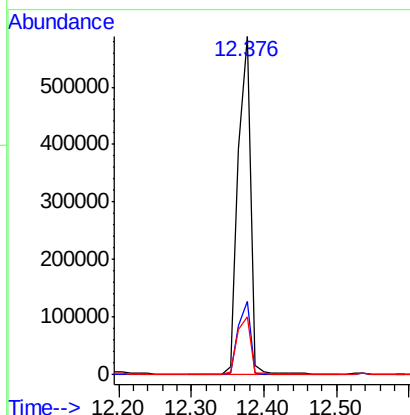
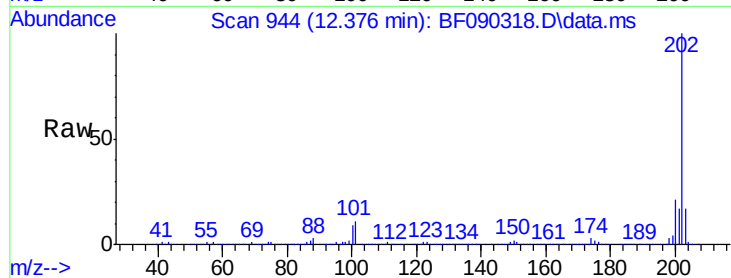




#77
Pvrene
Concen: 38.26 ng
RT: 12.376 min Scan# 94
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

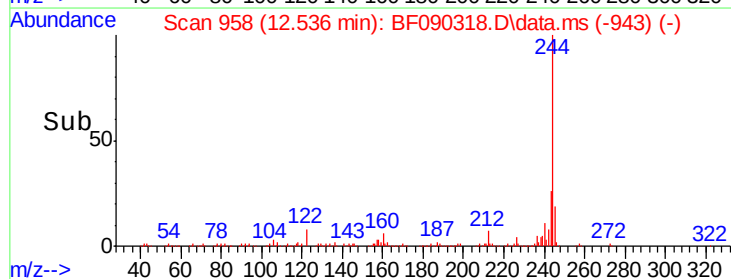
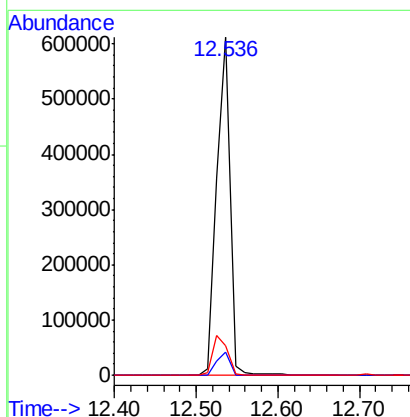
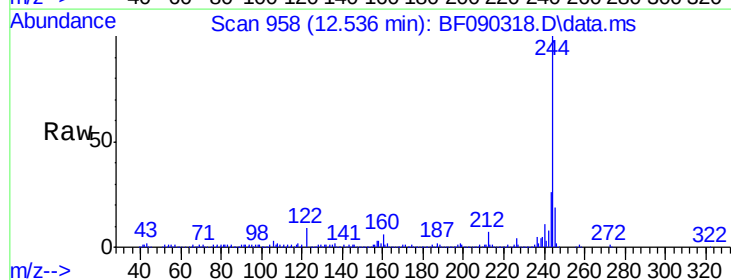
Instrument :
BNA_F
ClientSampleId :
PA-4MS

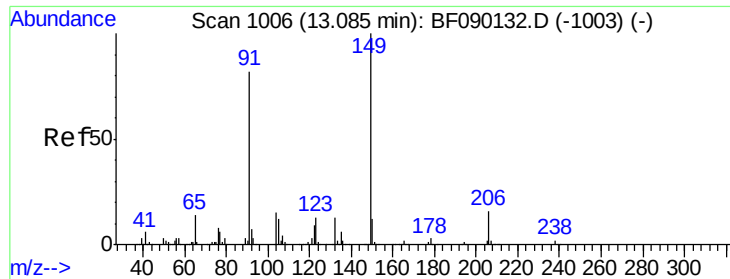
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.9	26.9
203	17.2	14.2	21.4



#78
Terphenyl-d14
Concen: 66.04 ng
RT: 12.536 min Scan# 958
Delta R.T. -0.023 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	8.9	9.4	14.0

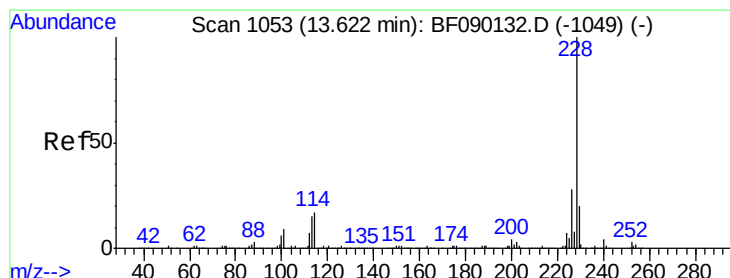
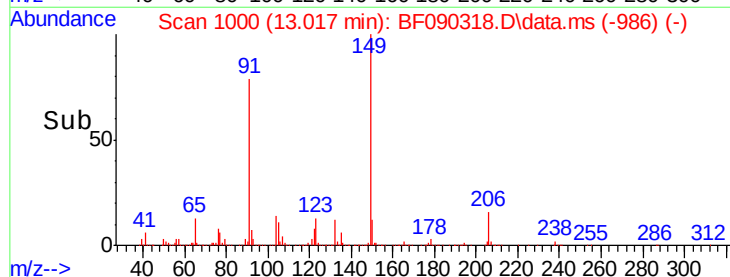
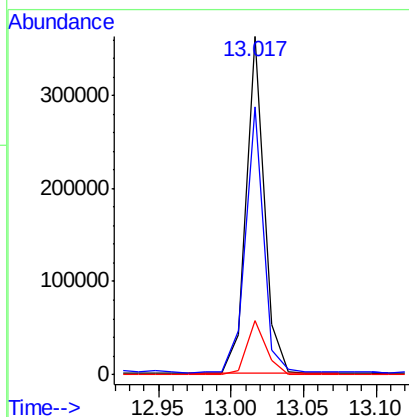
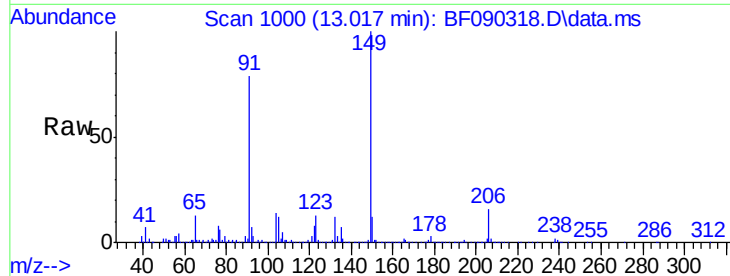




#79
Butylbenzylphthalate
Concen: 35.29 ng
RT: 13.017 min Scan# 1006
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

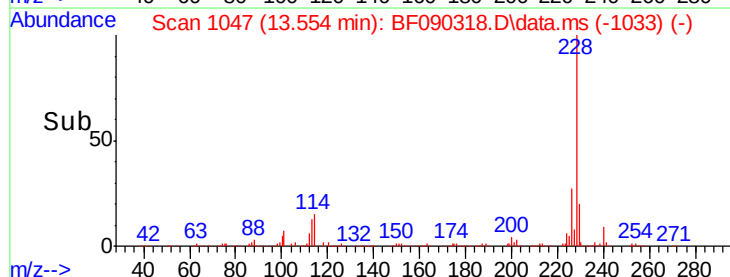
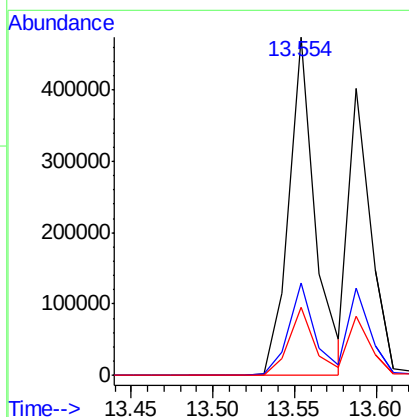
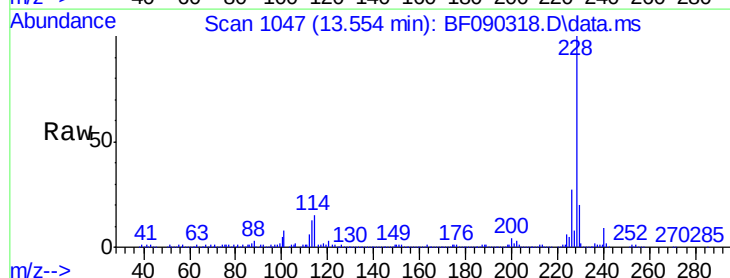
Instrument :
BNA_F
ClientSampleId :
PA-4MS

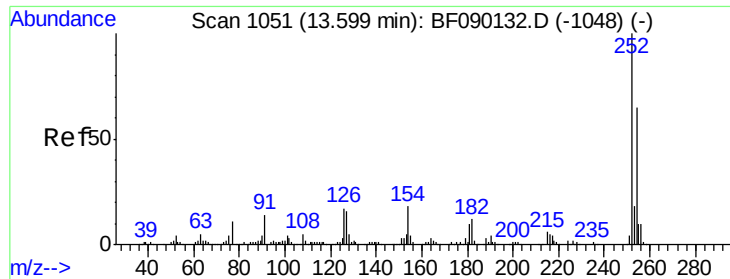
Tot Ion	Ratio	Lower	Upper
149	100		
91	79.0	49.8	74.6#
206	15.9	16.3	24.5#



#80
Benzo(a)anthracene
Concen: 37.33 ng
RT: 13.554 min Scan# 1047
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.0	33.0
229	20.2	16.2	24.2

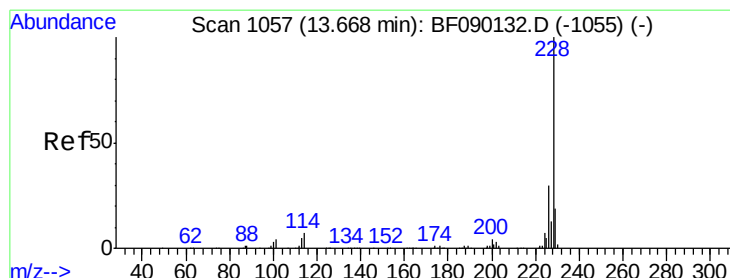
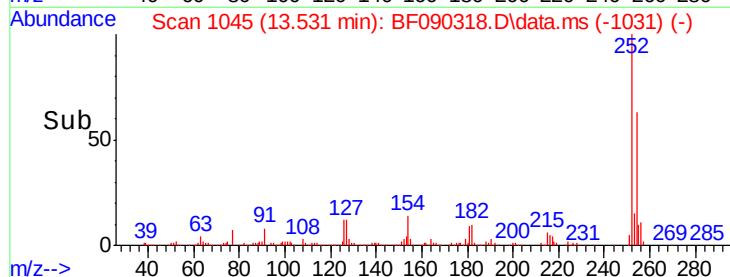
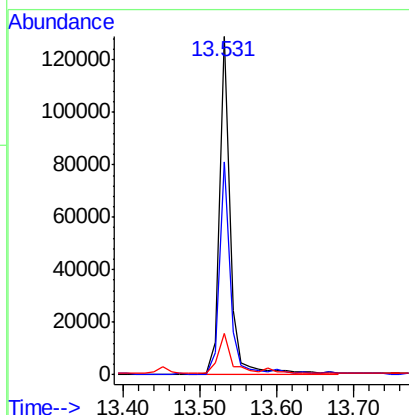
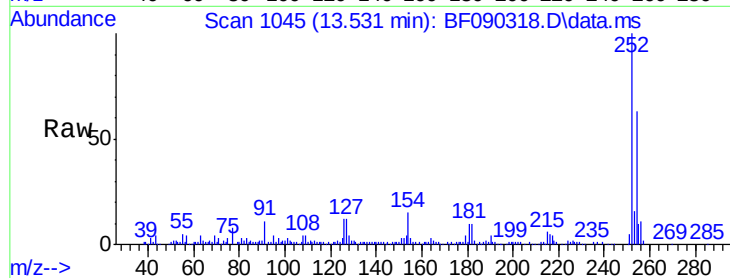




#81
 3,3'-Dichlorobenzidine
 Concen: 21.35 ng
 RT: 13.531 min Scan# 1051
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

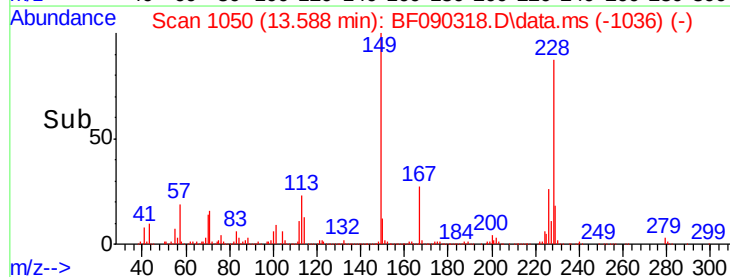
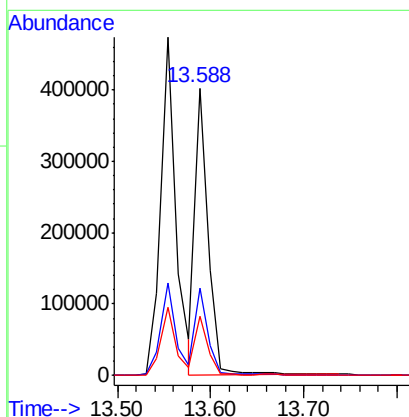
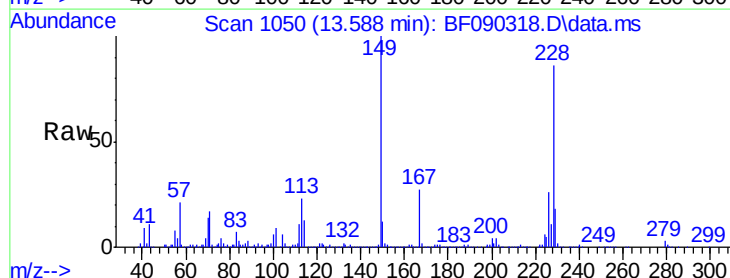
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

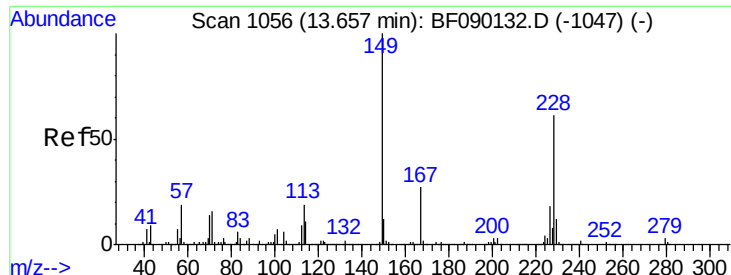
Tot Ion:	252	Resp:	126792
Ion Ratio	Lower	Upper	
252	100		
254	63.1	50.7	76.1
126	12.1	9.2	13.8



#82
 Chrysene
 Concen: 28.28 ng
 RT: 13.588 min Scan# 1050
 Delta R.T. -0.034 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion:	228	Resp:	396751
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.6	37.0
229	20.6	16.2	24.4

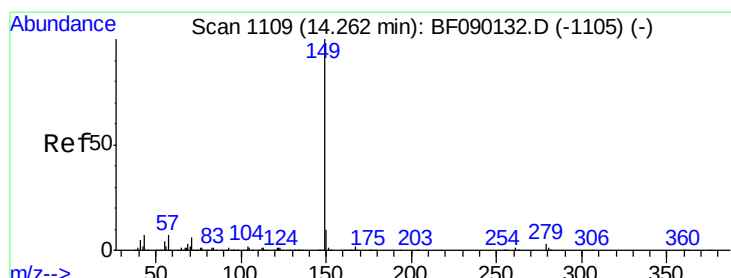
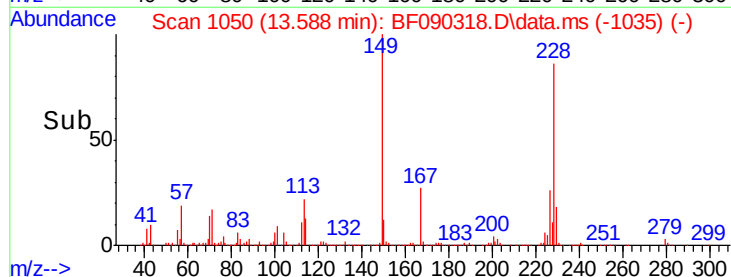
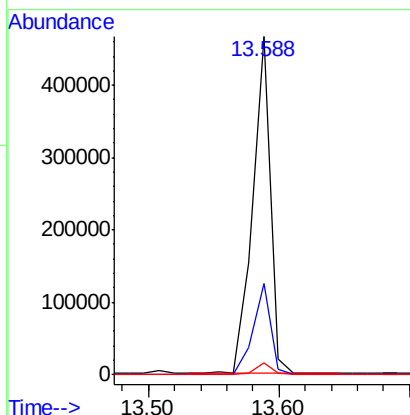
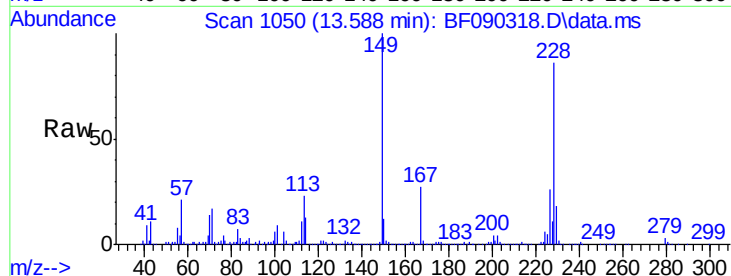




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 38.46 ng
 RT: 13.588 min Scan# 1056
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

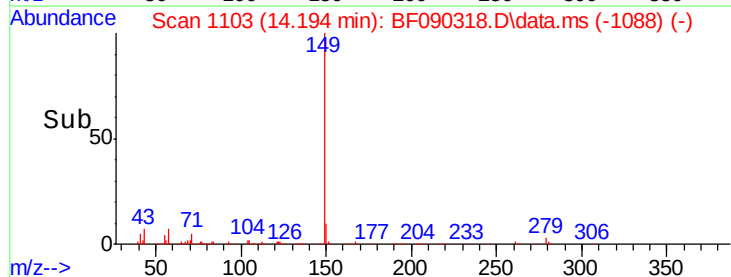
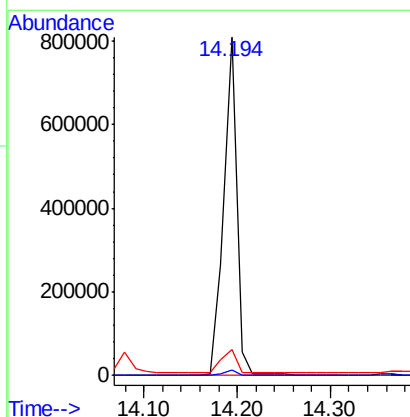
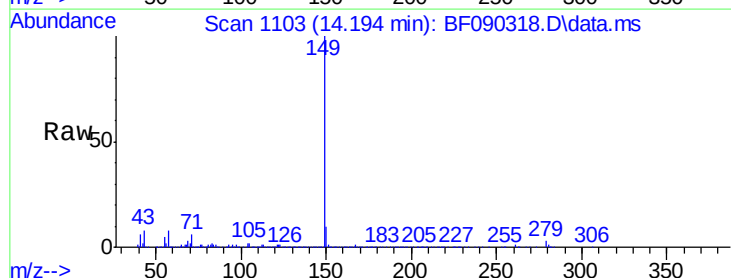
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MS

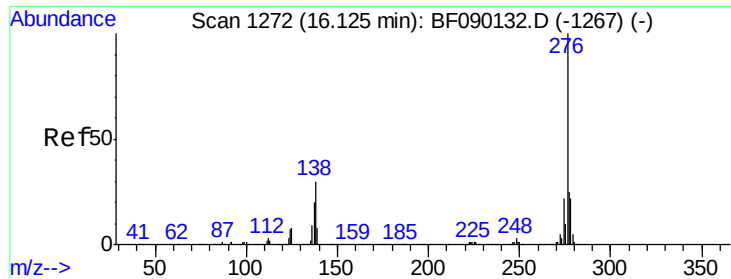
Tot Ion:	149	Resp:	441013
Ion Ratio	Lower	Upper	
149	100		
167	27.0	21.2	31.8
279	3.3	2.2	3.2#



#84
 Di-n-octyl phthalate
 Concen: 39.56 ng
 RT: 14.194 min Scan# 1103
 Delta R.T. -0.023 min
 Lab File: BF090318.D
 Acq: 30 Sep 2016 17:35

Tgt Ion:	149	Resp:	781463
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	7.9	6.8	10.2

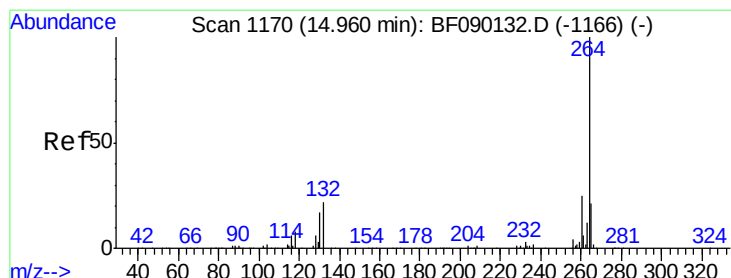
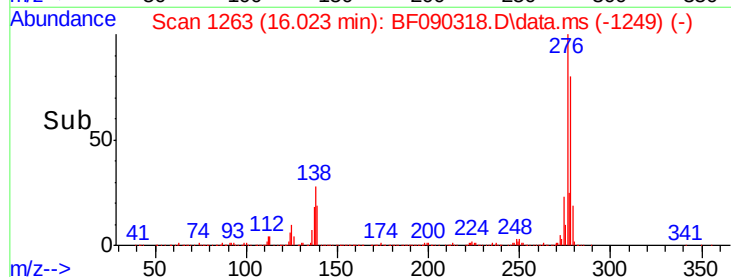
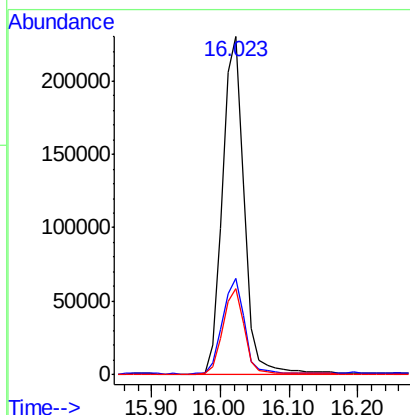
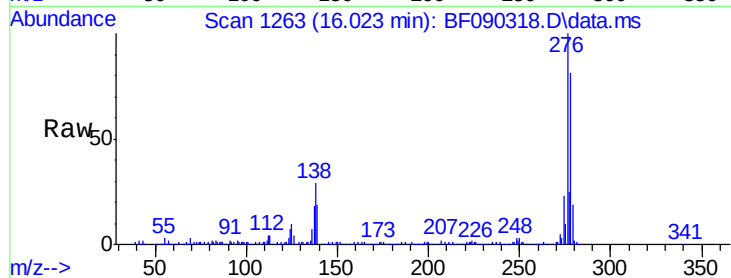




#85
Indeno(1,2,3-cd)pyrene
Concen: 45.67 ng
RT: 16.023 min Scan# 1272
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

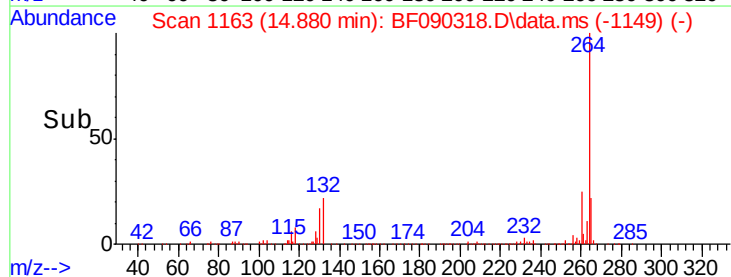
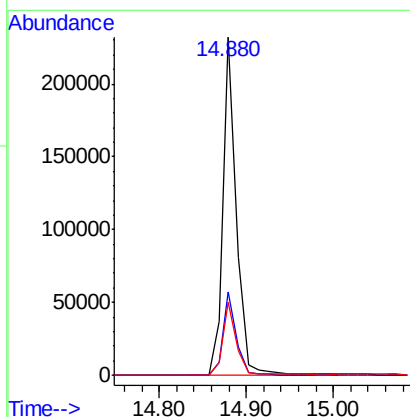
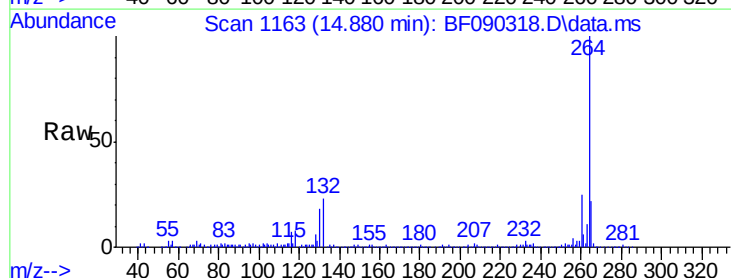
Instrument :
BNA_F
ClientSampleId :
PA-4MS

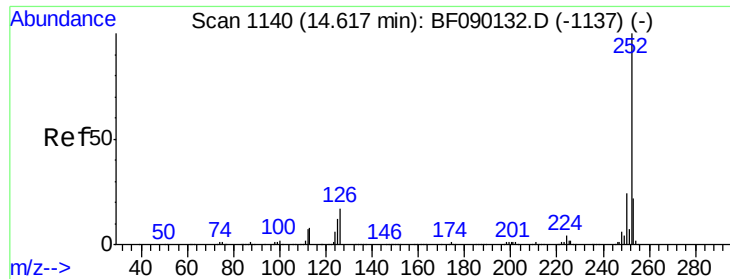
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	25.9	38.9
277	25.9	19.9	29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.880 min Scan# 1163
Delta R.T. -0.034 min
Lab File: BF090318.D
Acq: 30 Sep 2016 17:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.8	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 73.41 ng

RT: 14.571 min Scan# 111

Delta R.T. -0.000 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

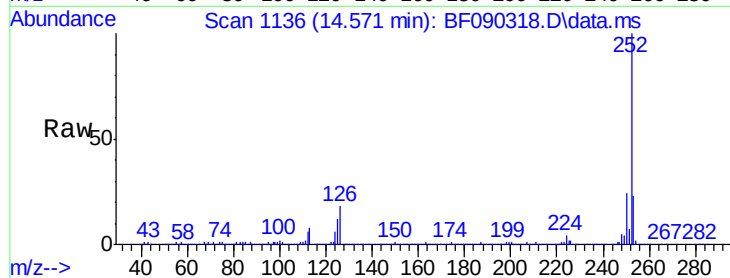
BNA_F

ClientSampleId :

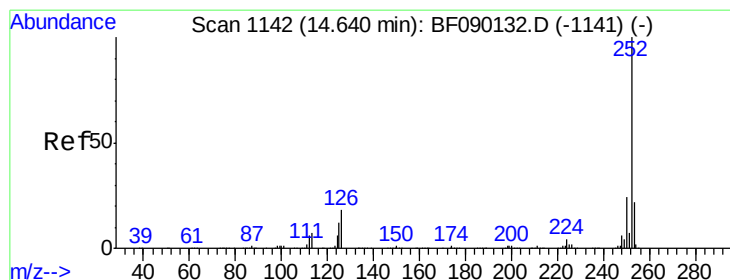
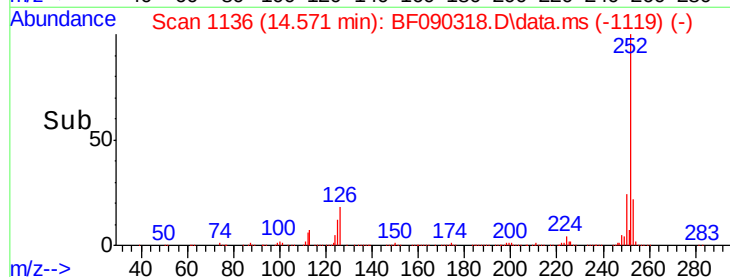
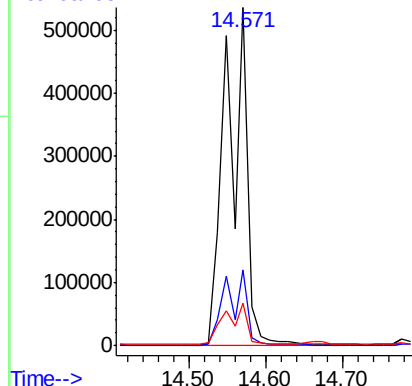
PA-4MS

Tot Ion:252 Resp: 1033650

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.4	12.7	19.1#



Abundance



#88

Benzo(k)fluoranthene

Concen: 78.37 ng

RT: 14.571 min Scan# 1136

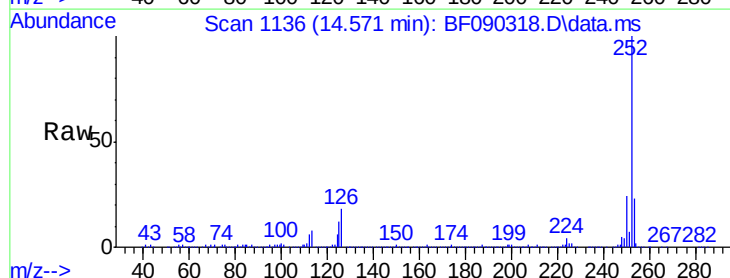
Delta R.T. -0.023 min

Lab File: BF090318.D

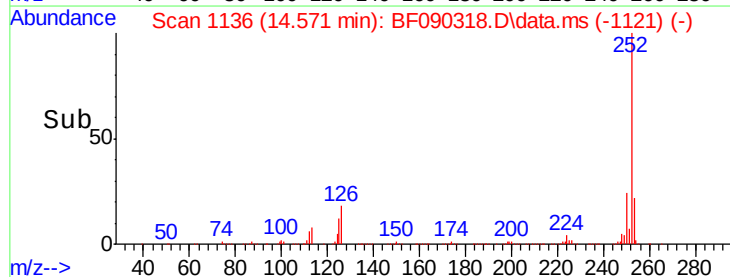
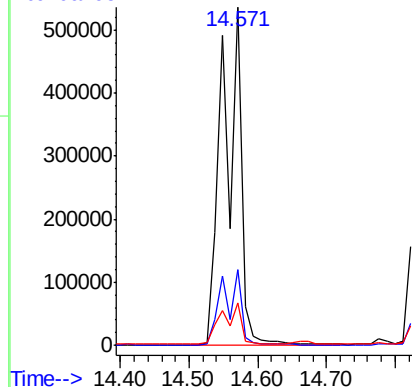
Acq: 30 Sep 2016 17:35

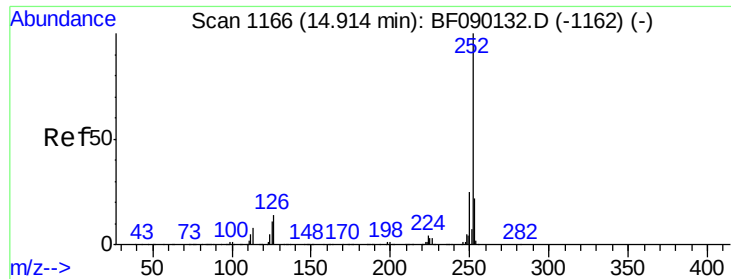
Tgt Ion:252 Resp: 1035581

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	12.4	7.8	11.6#



Abundance





#89

Benzo(a)pyrene

Concen: 37.85 ng

RT: 14.834 min Scan# 11

Delta R.T. -0.034 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

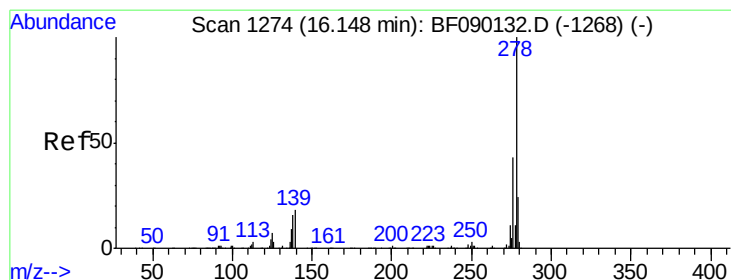
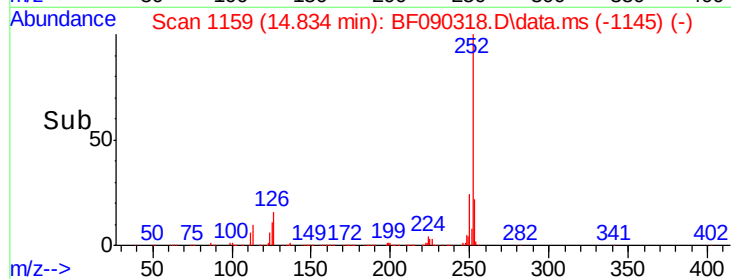
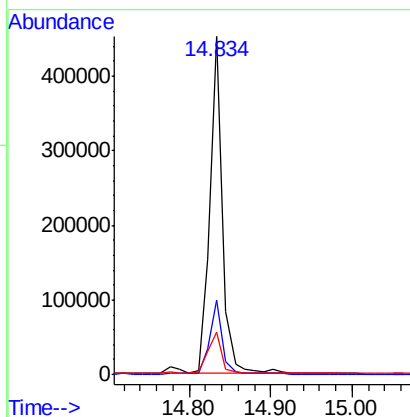
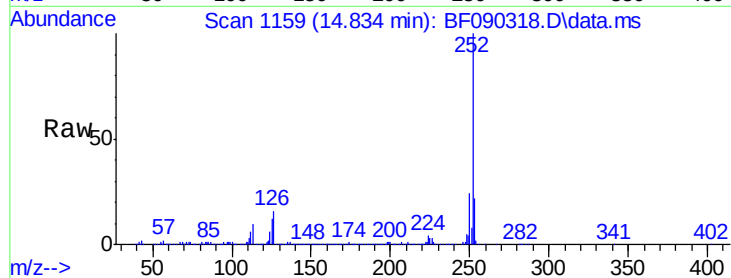
Tot Ion:252 Resp: 501374

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 12.4 7.7 11.5#



#90

Dibenzo(a,h)anthracene

Concen: 42.29 ng

RT: 16.034 min Scan# 1264

Delta R.T. -0.046 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

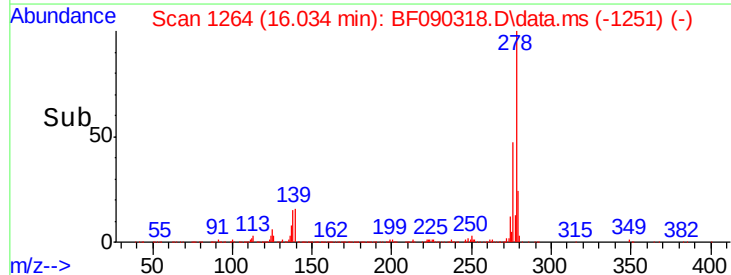
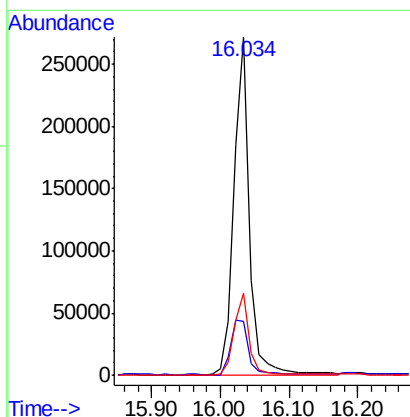
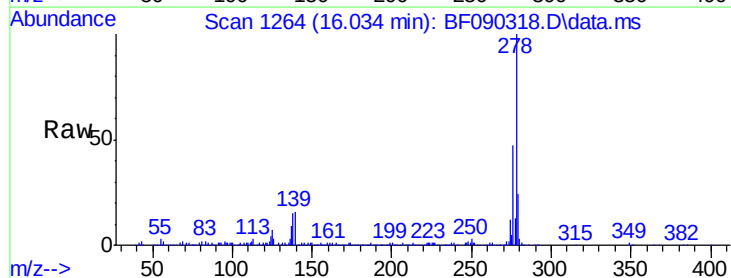
Tgt Ion:278 Resp: 437111

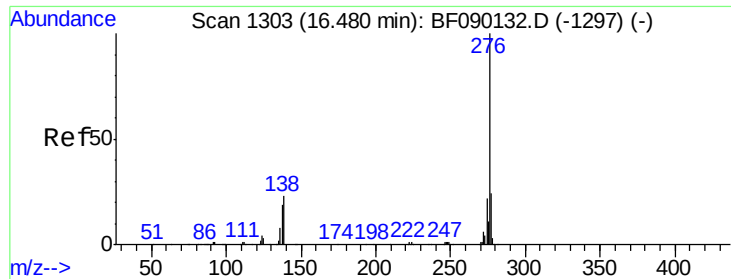
Ion Ratio Lower Upper

278 100

139 15.9 14.6 21.8

279 24.1 18.8 28.2





#91

Benzo(a,h,i)perylene

Concen: 41.34 ng

RT: 16.354 min Scan# 12

Delta R.T. -0.046 min

Lab File: BF090318.D

Acq: 30 Sep 2016 17:35

Instrument :

BNA_F

ClientSampleId :

PA-4MS

Tot Ion:276 Resp: 418254

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 24.3 23.3 34.9

