

Data Path : Z:\HPCHEM1\BNA F\Data\BF092916\
 Data File : BF090293.D
 Acq On : 29 Sep 2016 16:15
 Operator : UM/SJ
 Sample : H4982-06MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 16:45:42 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	6.616	152	394937	20.00	ng	0.14
21) Naphthalene-d8	0.000	136	0	0.00	ng	-7.77
38) Acenaphthene-d10	9.496	164	256603	20.00	ng	-0.01
63) Phenanthrene-d10	10.971	188	347247	20.00	ng	-0.01
75) Chrysene-d12	13.588	240	233237	20.00	ng	-0.01
86) Perylene-d12	14.914	264	213247	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.027	112	951853	39.29	ng	0.00
7) Phenol-d6	6.136	99	1231431	41.15	ng	0.00
23) Nitrobenzene-d5	7.039	82	736987	0.00	ng	-0.02
41) 2,4,6-Tribromophenol	10.285	330	240440	109.22	ng	-0.01
44) 2-Fluorobiphenyl	8.833	172	1214375	92.91	ng	-0.02
78) Terphenyl-d14	12.559	244	800026	87.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.873	88	135533	10.31	ng	# 97
3) Pyridine	2.456	79	361143	12.67	ng	99
4) n-Nitrosodimethylamine	2.421	42	136867	16.09	ng	98
6) Aniline	6.216	93	437396	11.73	ng	# 42
8) 2-Chlorophenol	6.250	128	395908	14.20	ng	90
9) Benzaldehyde	5.999	77	205601	15.77	ng	94
11) bis(2-Chloroethyl)ether	6.216	93	437781	15.87	ng	93
12) 1,3-Dichlorobenzene	6.479	146	407417	13.99	ng	98
13) 1,4-Dichlorobenzene	6.639	146	361493	12.16	ng	97
14) 1,2-Dichlorobenzene	6.639	146	360842	13.62	ng	98
15) Benzyl Alcohol	6.627	79	300774	16.86	ng	97
16) 2,2'-oxybis(1-Chloropr...	6.765	45	425279	12.90	ng	73
17) 2-Methylphenol	6.913	107	417454	19.01	ng	# 74
18) Hexachloroethane	6.970	117	107608	10.15	ng	99
19) n-Nitroso-di-n-propyl...	6.902	70	260270	14.81	ng	93
20) 3+4-Methylphenols	6.913	107	410551	15.57	ng	94
39) 1,2,4,5-Tetrachloroben...	8.639	216	280119	47.56	ng	98
40) Hexachlorocyclopentadiene	8.628	237	35764	12.31	ng	96
42) 2,4,6-Trichlorophenol	8.753	196	188780	44.98	ng	99
43) 2,4,5-Trichlorophenol	8.799	196	191217	44.00	ng	# 87
45) 1,1'-Biphenyl	8.936	154	821688	44.76	ng	98
46) 2-Chloronaphthalene	8.948	162	602966	44.52	ng	96
47) 2-Nitroaniline	9.062	65	217031	53.15	ng	96
48) Acenaphthylene	9.359	152	893136	40.61	ng	99
49) Dimethylphthalate	9.256	163	1198694	73.34	ng	99
50) 2,6-Dinitrotoluene	9.313	165	159975	43.92	ng	# 59
51) Acenaphthene	9.531	154	520396	39.86	ng	99
52) 3-Nitroaniline	9.473	138	165577	38.77	ng	89
53) 2,4-Dinitrophenol	9.588	184	9447	7.60	ng	94
54) Dibenzofuran	9.702	168	773661	45.03	ng	94
55) 4-Nitrophenol	9.656	139	185599	63.44	ng	# 79
56) 2,4-Dinitrotoluene	9.713	165	178127	41.35	ng	# 58
57) Fluorene	10.045	166	566864	43.78	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.839	232	140906	43.31	ng	# 94

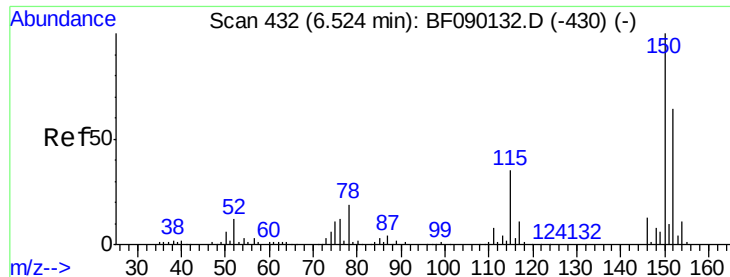
Data Path : Z:\HPCHEM1\BNA F\Data\BF092916\
 Data File : BF090293.D
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Instrument :
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	9.942	149	716289	45.38	nq	99
60) 4-Chlorophenyl-phenyle...	10.045	204	234640	39.74	nq	95
61) 4-Nitroaniline	10.079	138	154966	35.60	nq	86
62) Azobenzene	10.205	77	750367	45.67	nq	95
64) 4,6-Dinitro-2-methylph...	10.114	198	17068	7.85	nq	# 58
65) n-Nitrosodiphenylamine	10.171	169	574224	50.29	nq	100
66) 4-Bromophenyl-phenylether	10.525	248	157022	45.95	nq	# 73
67) Hexachlorobenzene	10.594	284	179832	45.16	nq	95
68) Atrazine	10.708	200	154575	49.40	nq	99
69) Pentachlorophenol	10.788	266	157895	69.85	nq	98
70) Phenanthrene	10.994	178	910627	56.07	nq	99
71) Anthracene	11.051	178	918034	53.90	nq	100
72) Carbazole	11.211	167	825846	45.86	nq	99
73) Di-n-butylphthalate	11.565	149	997477	47.64	nq	# 97
74) Fluoranthene	12.171	202	1006704	57.75	nq	100
76) Benzidine	12.308	184	311498	39.90	nq	96
77) Pyrene	12.399	202	1088460	68.20	nq	100
79) Butylbenzylphthalate	13.040	149	367840	47.12	nq	87
80) Benzo(a)anthracene	13.577	228	844399	67.29	nq	98
81) 3,3'-Dichlorobenzidine	13.554	252	186967	36.13	nq	# 99
82) Chrysene	13.622	228	728968	59.64	nq	99
83) Bis(2-ethylhexyl)phtha...	13.611	149	484597	48.51	nq	# 98
84) Di-n-octyl phthalate	14.217	149	862493	50.12	nq	100
85) Indeno(1,2,3-cd)pyrene	16.068	276	529336	53.56	nq	95
87) Benzo(b)fluoranthene	14.583	252	1308111	110.78	nq	# 95
88) Benzo(k)fluoranthene	14.583	252	1308111	118.04	nq	99
89) Benzo(a)pyrene	14.868	252	625068	56.27	nq	# 97
90) Dibenzo(a,h)anthracene	16.080	278	406471	46.89	nq	99
91) Benzo(a,h,i)perylene	16.411	276	449269	52.95	nq	95

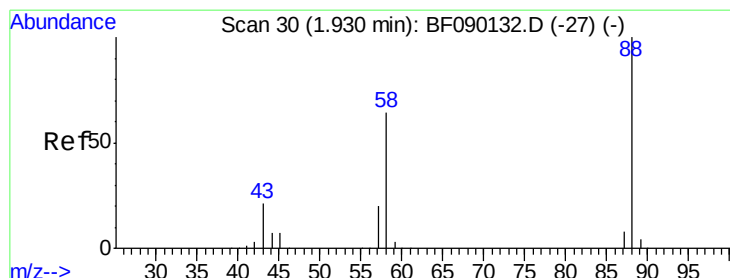
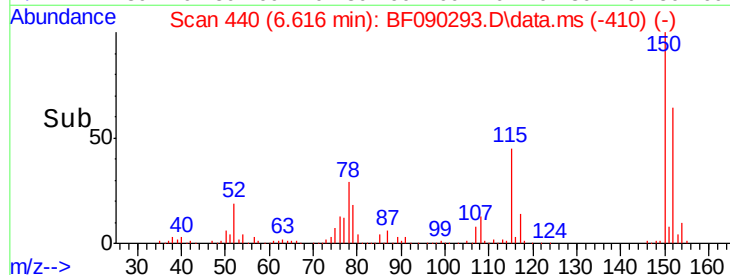
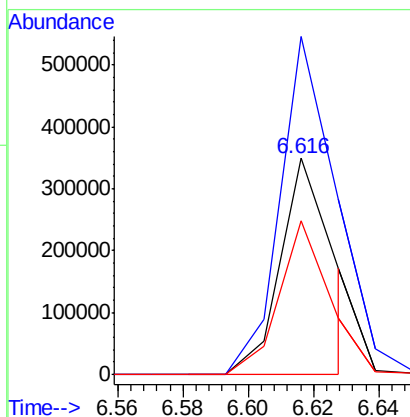
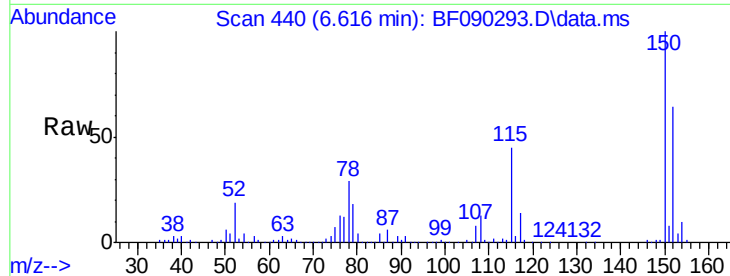
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.616 min Scan# 44
 Delta R.T. 0.137 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

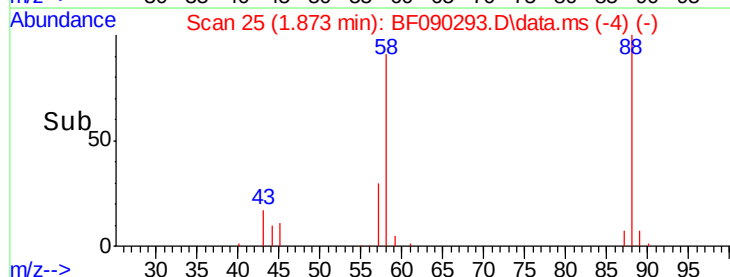
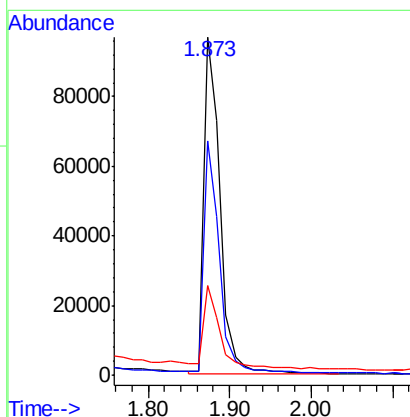
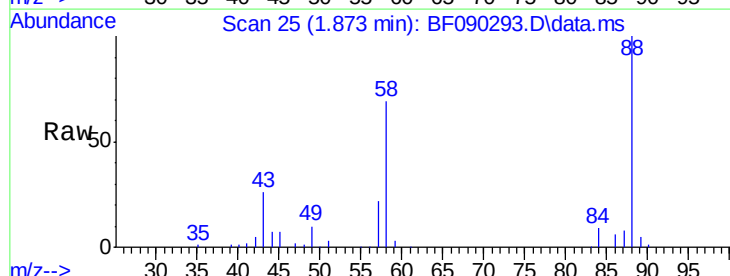
Instrument :
 BNA_F
 ClientSampleID :

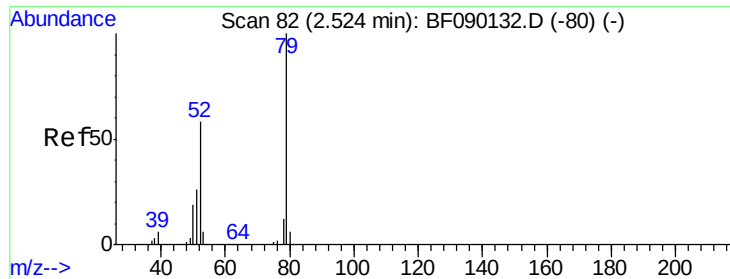
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	128.9	193.3
115	70.8	55.5	83.3



#2
 1,4-Dioxane
 Concen: 10.31 ng
 RT: 1.873 min Scan# 25
 Delta R.T. 0.034 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.3	53.4	80.0
43	26.1	16.5	24.7

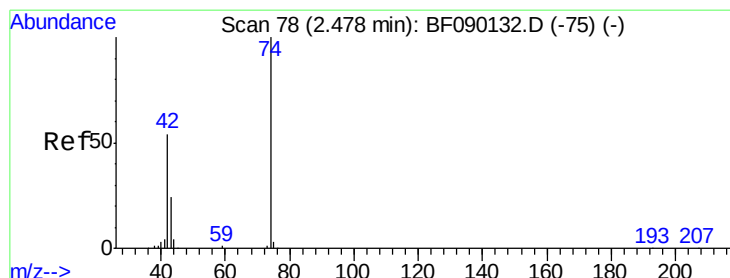
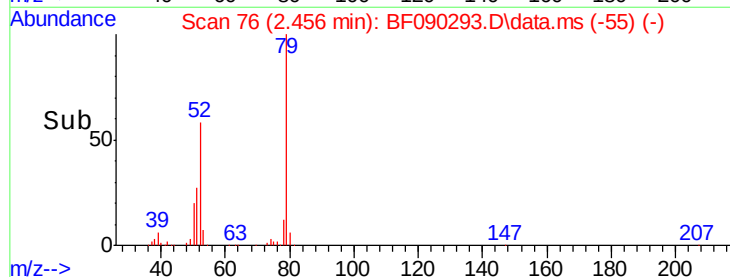
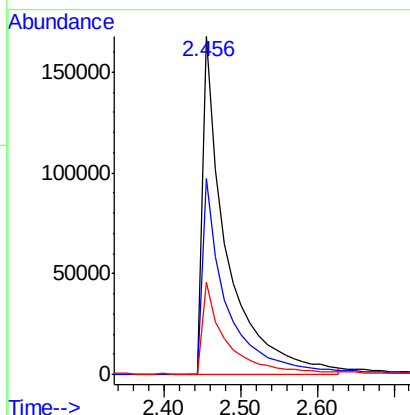
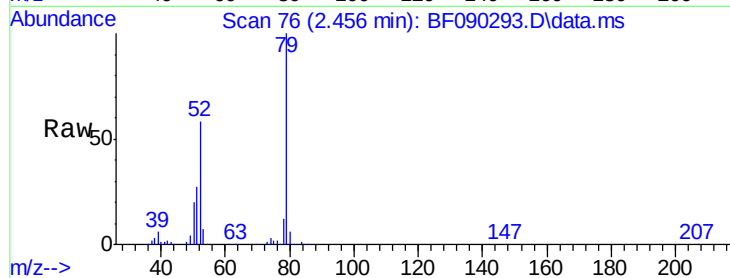




#3
 Pvridine
 Concen: 12.67 ng
 RT: 2.456 min Scan# 76
 Delta R.T. 0.034 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

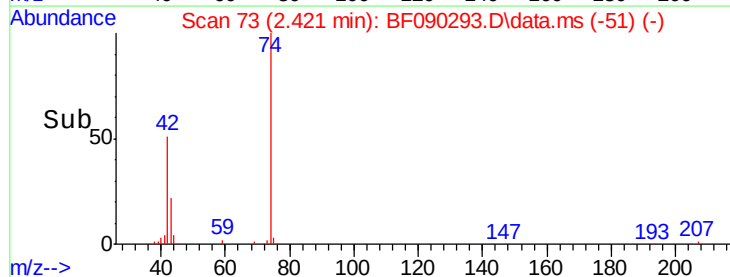
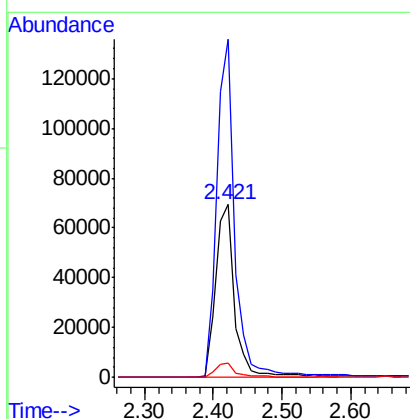
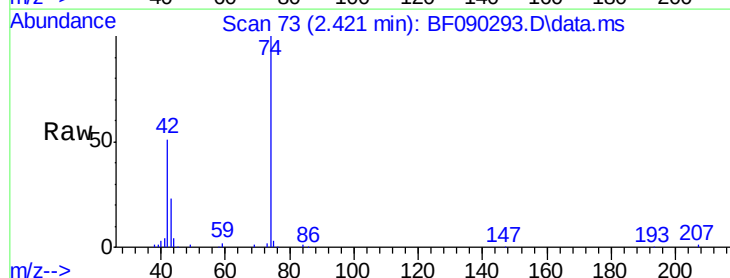
Instrument :
 BNA_F
 ClientSampleId :

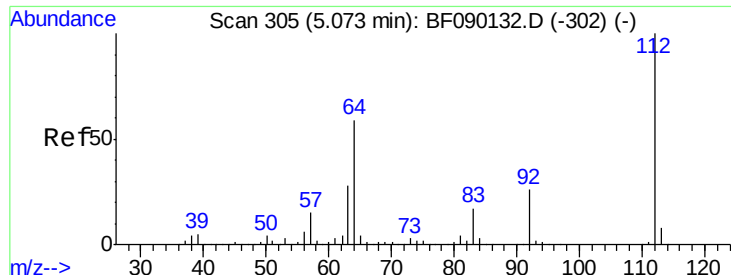
Tot Ion: 79 Resp: 361143
 Ion Ratio Lower Upper
 79 100
 52 58.1 45.9 68.9
 51 27.2 21.3 31.9



#4
 n-Nitrosodimethylamine
 Concen: 16.09 ng
 RT: 2.421 min Scan# 73
 Delta R.T. 0.046 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion: 42 Resp: 136867
 Ion Ratio Lower Upper
 42 100
 74 196.0 158.7 238.1
 44 8.0 6.4 9.6

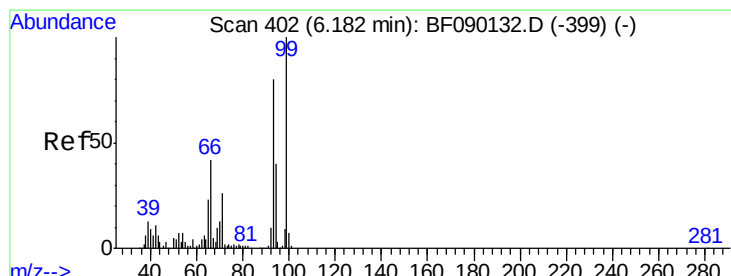
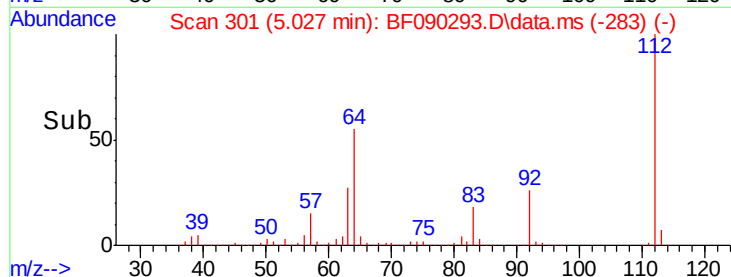
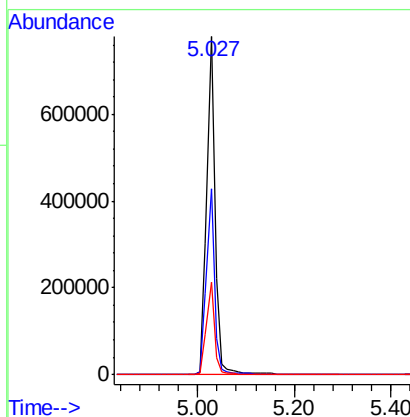
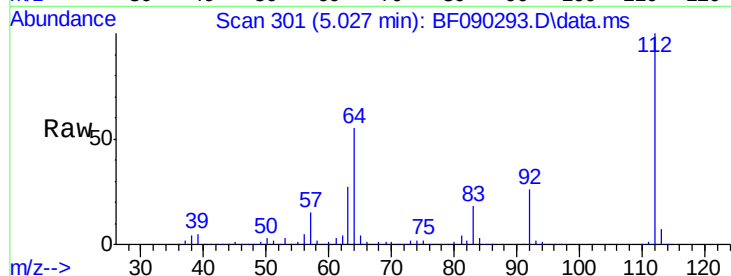




#5
2-Fluorophenol
Concen: 39.29 ng
RT: 5.027 min Scan# 301
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

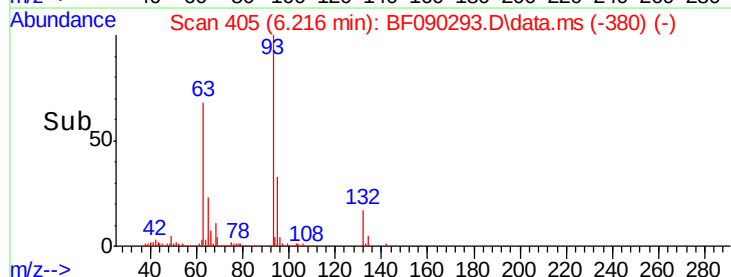
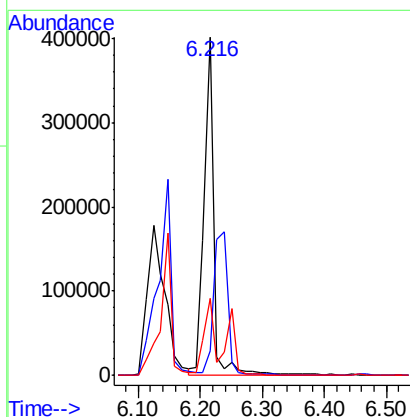
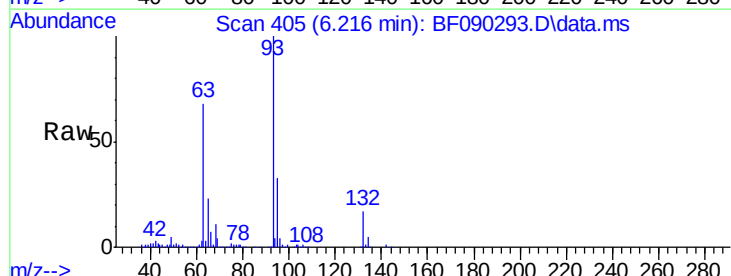
Instrument :
BNA_F
ClientSampleId :

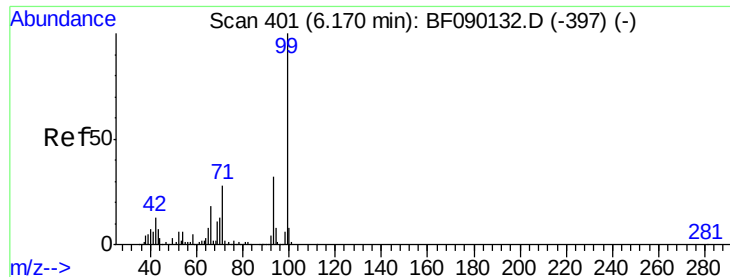
Tot Ion	Ratio	Lower	Upper
112	100		
64	55.1	39.8	59.6
63	27.3	18.9	28.3



#6
Aniline
Concen: 11.73 ng
RT: 6.216 min Scan# 405
Delta R.T. 0.080 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
93	100		
66	7.3	54.2	81.2#
65	22.8	33.8	50.6#





#7

Phenol-d6

Concen: 41.15 ng

RT: 6.136 min Scan# 39

Delta R.T. 0.000 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

Instrument :

BNA_F

ClientSampleId :

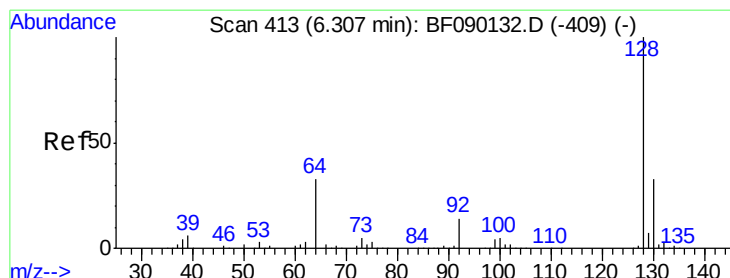
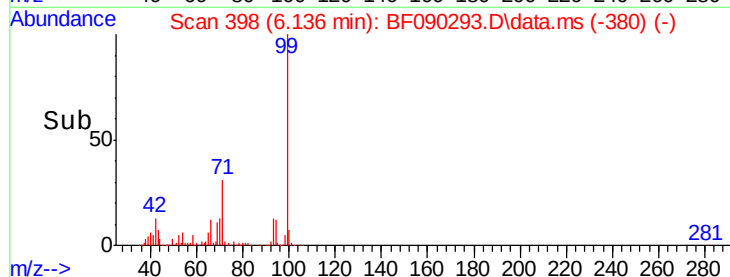
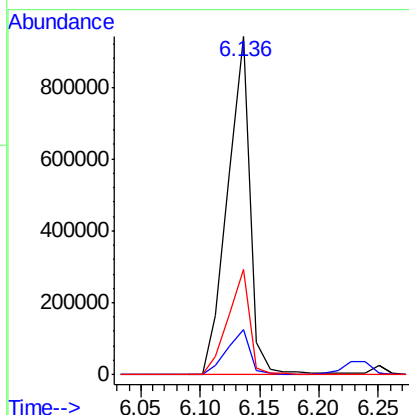
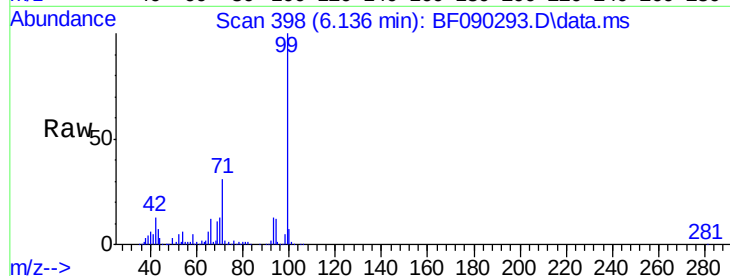
Tot Ion: 99 Resp: 1231431

Ion Ratio Lower Upper

99 100

42 13.3 10.6 15.8

71 30.9 23.0 34.6



#8

2-Chlorophenol

Concen: 14.20 ng

RT: 6.250 min Scan# 408

Delta R.T. -0.011 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

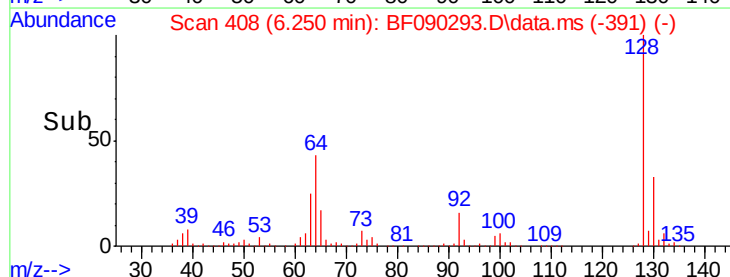
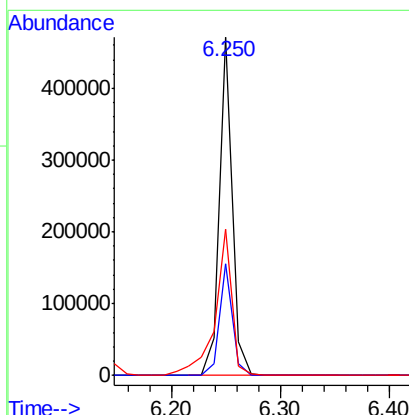
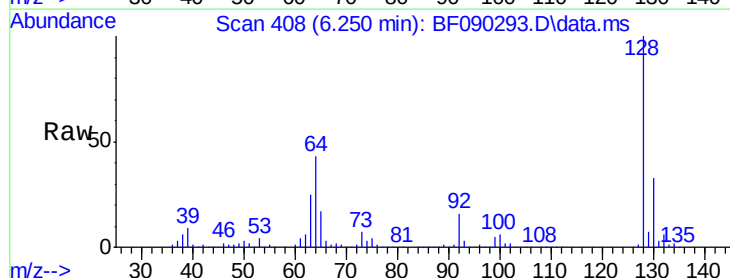
Tgt Ion: 128 Resp: 395908

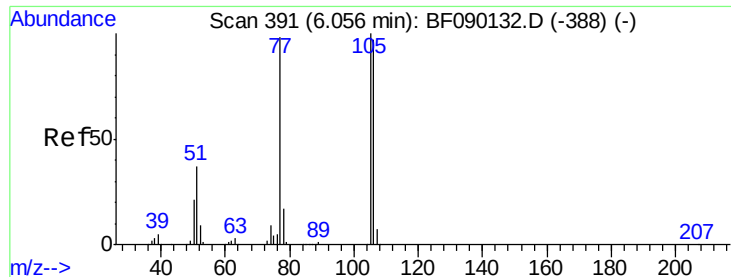
Ion Ratio Lower Upper

128 100

130 33.0 12.0 52.0

64 43.2 33.6 73.6





#9

Benzaldehyde

Concen: 15.77 ng

RT: 5.999 min Scan# 38

Delta R.T. -0.011 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

Instrument :

BNA_F

ClientSampleId :

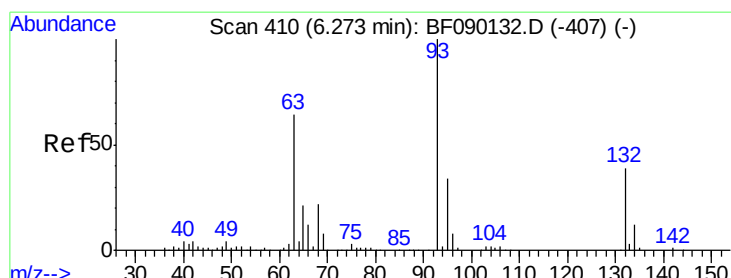
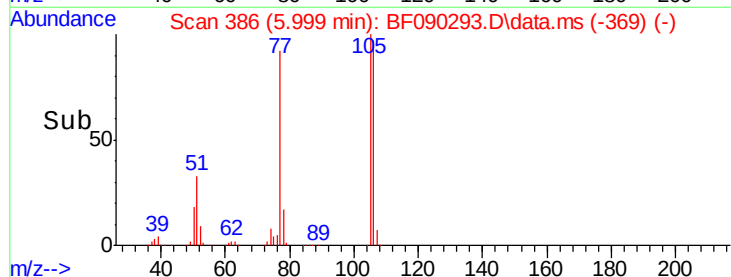
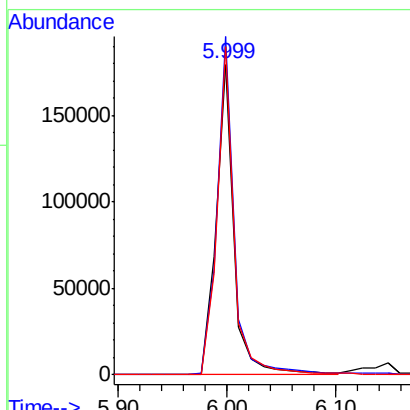
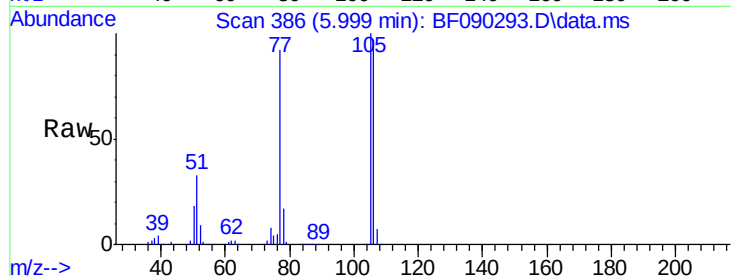
Tot Ion: 77 Resp: 205601

Ion Ratio Lower Upper

77 100

105 108.9 83.0 123.0

106 105.7 78.5 118.5



#11

bis(2-Chloroethyl)ether

Concen: 15.87 ng

RT: 6.216 min Scan# 405

Delta R.T. -0.011 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

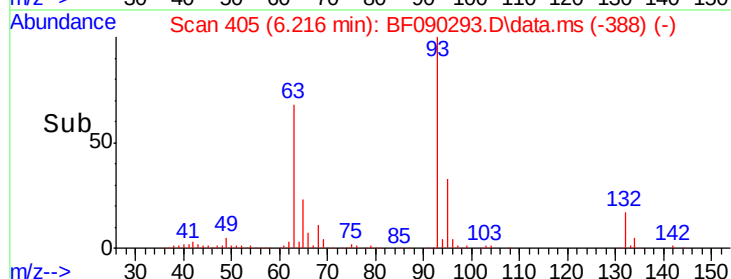
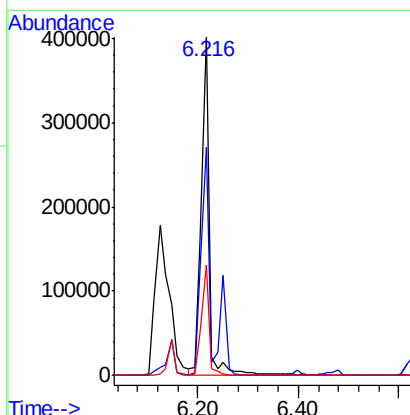
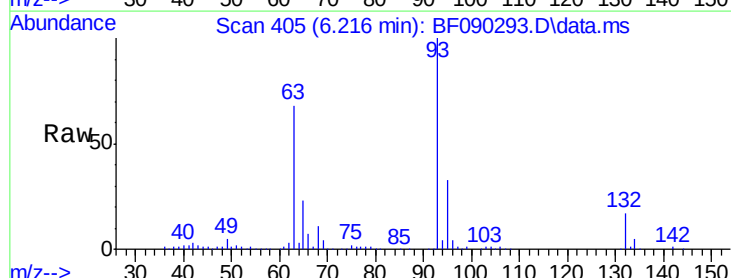
Tgt Ion: 93 Resp: 437781

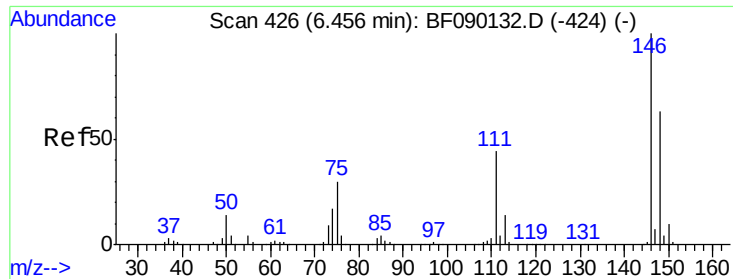
Ion Ratio Lower Upper

93 100

63 67.6 55.6 95.6

95 32.6 12.6 52.6

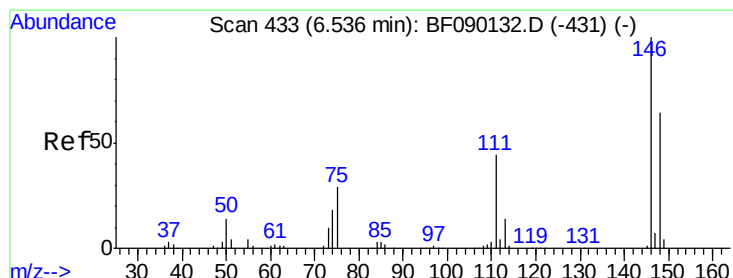
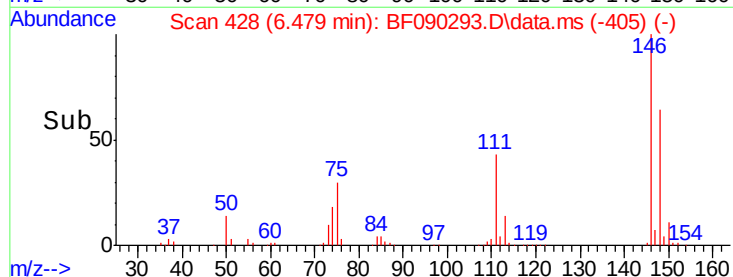
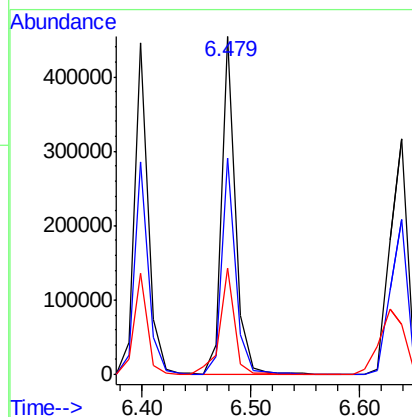
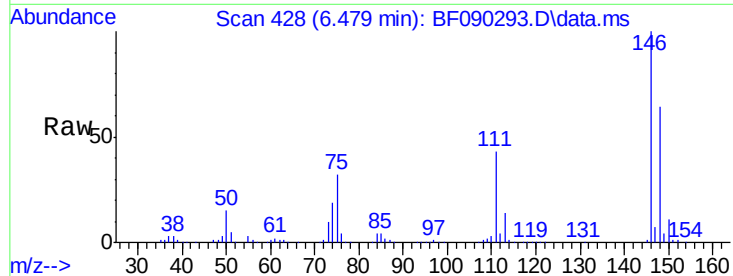




#12
 1,3-Dichlorobenzene
 Concen: 13.99 ng
 RT: 6.479 min Scan# 426
 Delta R.T. 0.057 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

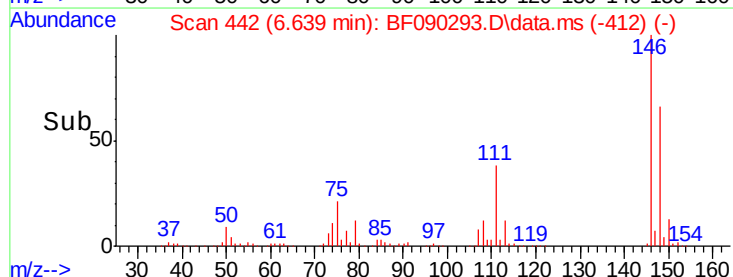
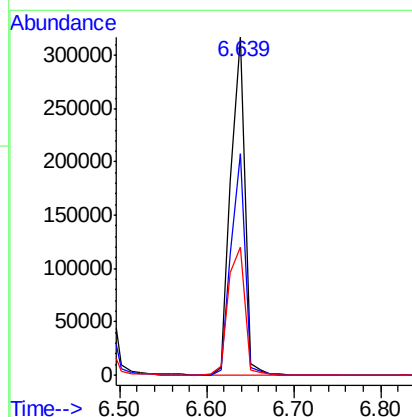
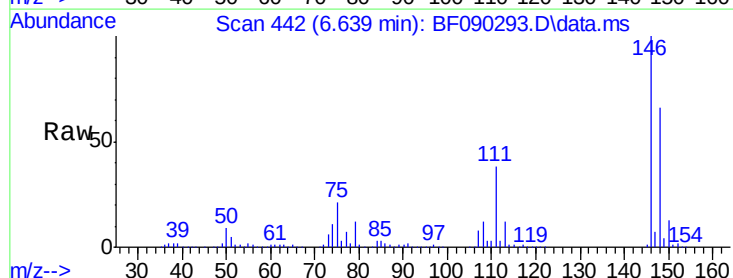
Instrument :
 BNA_F
 ClientSampled :

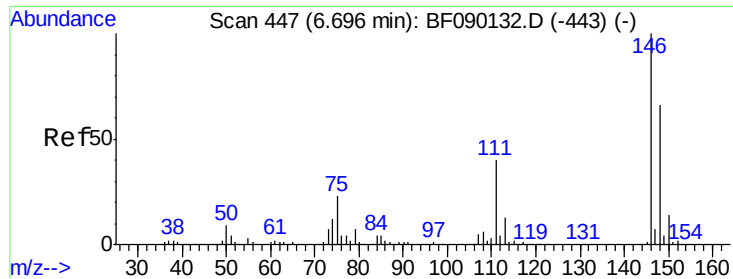
Tot Ion	146	148	75	Resp	Lower	Upper
407417	100	64.1	31.5		51.9	77.9
					22.8	34.2



#13
 1,4-Dichlorobenzene
 Concen: 12.16 ng
 RT: 6.639 min Scan# 442
 Delta R.T. 0.137 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	146	148	111	Resp	Lower	Upper
361493	100	65.6	37.8		52.0	78.0
					33.8	50.6

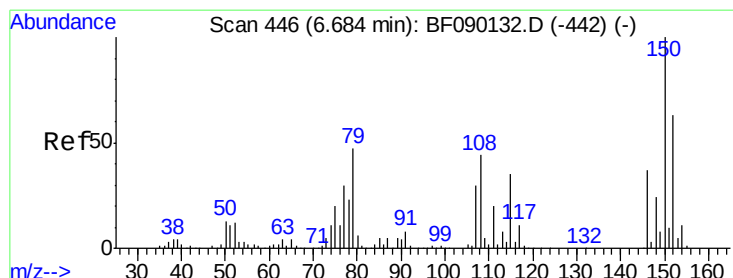
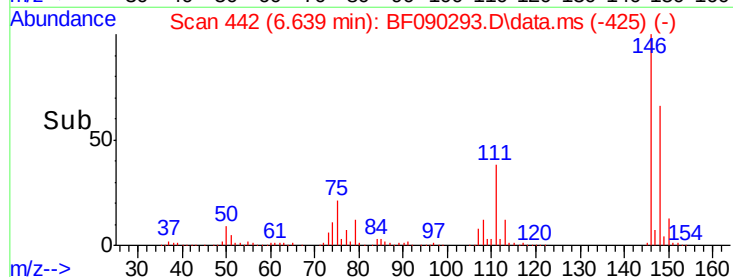
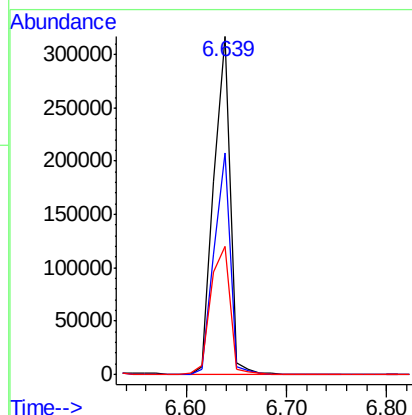
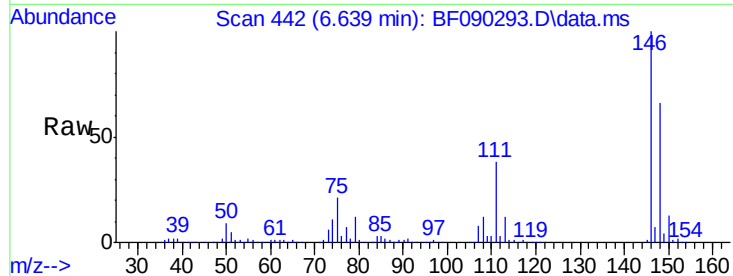




#14
 1,2-Dichlorobenzene
 Concen: 13.62 ng
 RT: 6.639 min Scan# 441
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

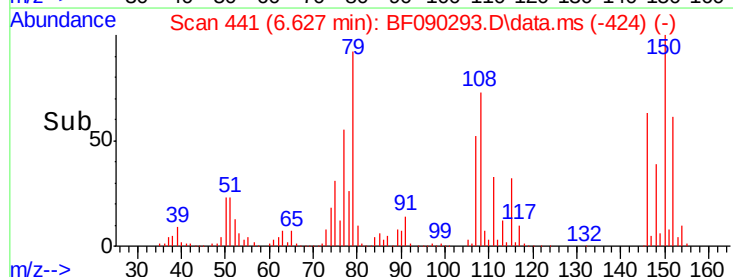
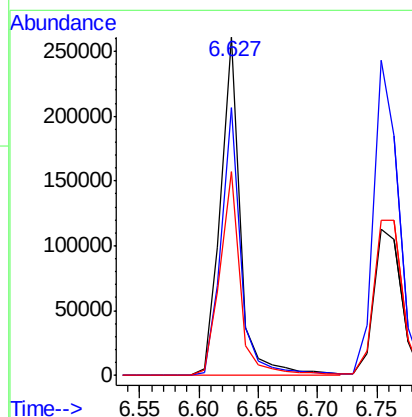
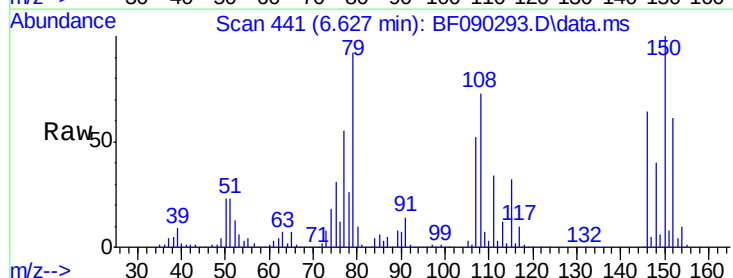
Instrument :
 BNA_F
 ClientSampleId :

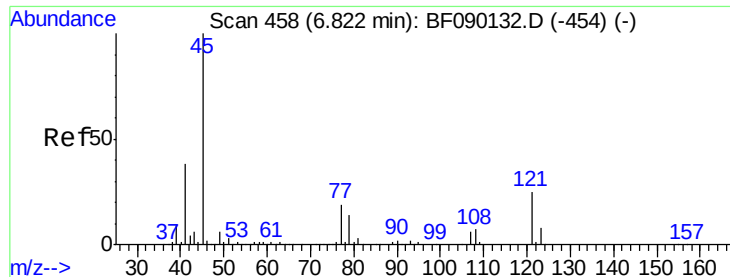
Tot Ion:146 Resp: 360842
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.6 79.0
 111 37.8 28.2 42.2



#15
 Benzyl Alcohol
 Concen: 16.86 ng
 RT: 6.627 min Scan# 441
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion: 79 Resp: 300774
 Ion Ratio Lower Upper
 79 100
 108 79.2 62.2 93.4
 77 60.2 51.4 77.0

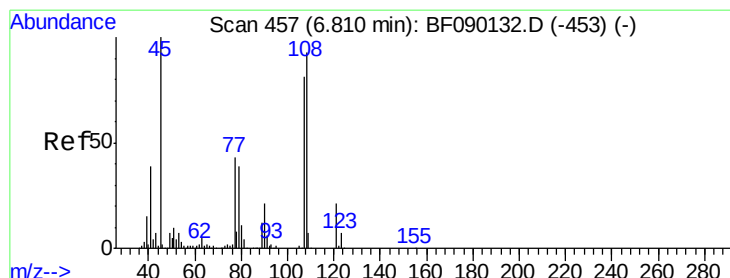
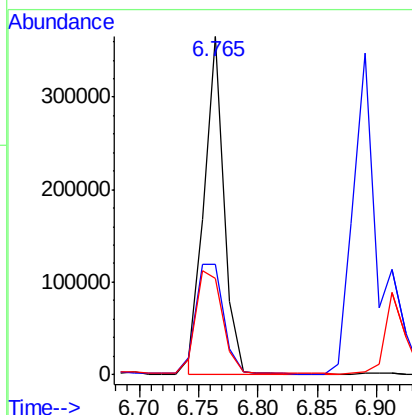
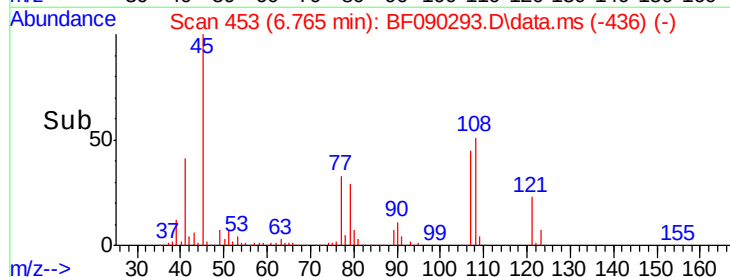
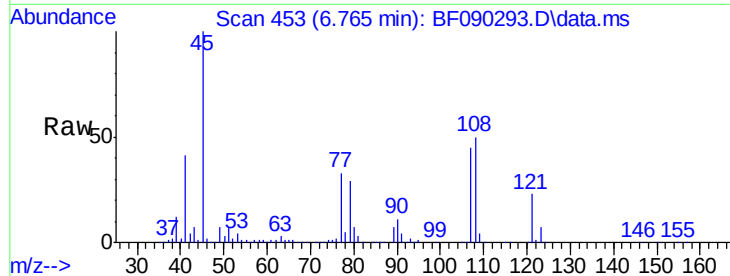




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 12.90 ng
RT: 6.765 min Scan# 45
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

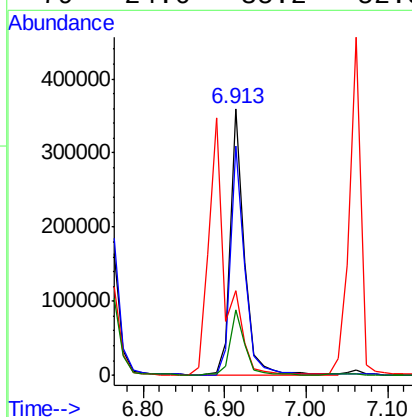
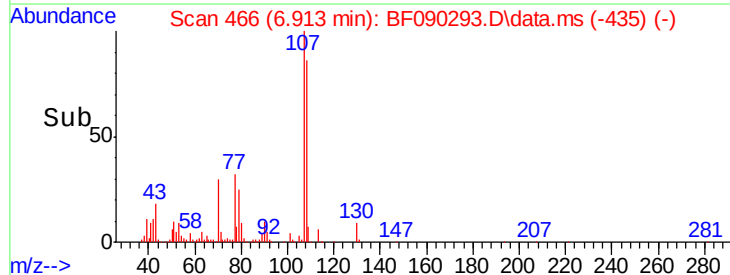
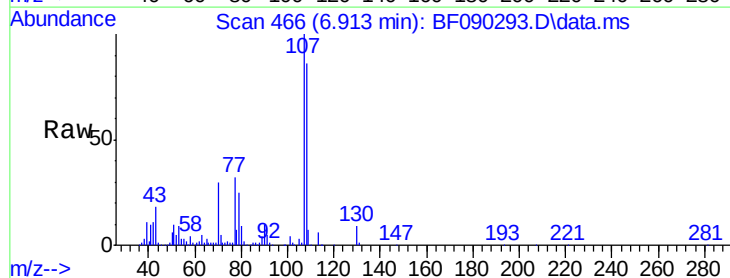
Instrument :
BNA_F
ClientSampleId :

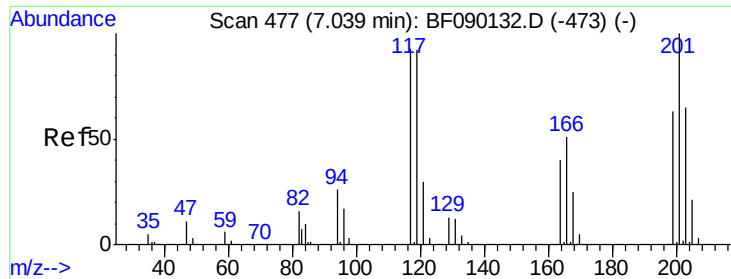
Tot Ion	Ratio	Lower	Upper
45	100		
77	32.7	0.5	40.5
79	28.6	0.0	37.0



#17
2-Methylphenol
Concen: 19.01 ng
RT: 6.913 min Scan# 466
Delta R.T. 0.149 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.0	92.0	138.0#
77	31.8	35.6	53.4#
79	24.6	35.2	52.8#

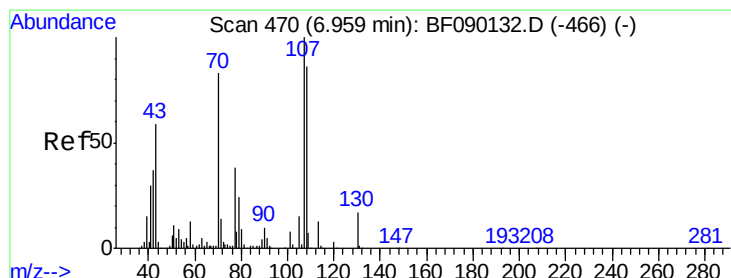
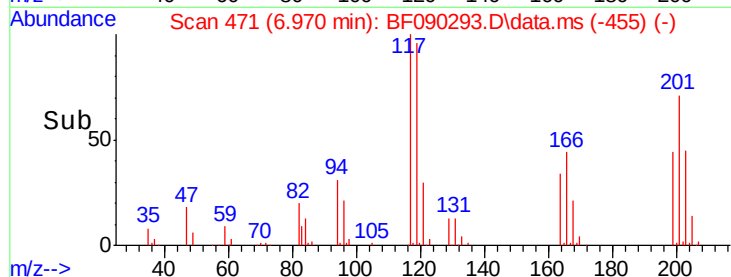
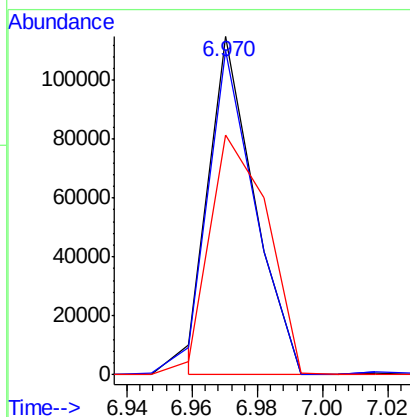
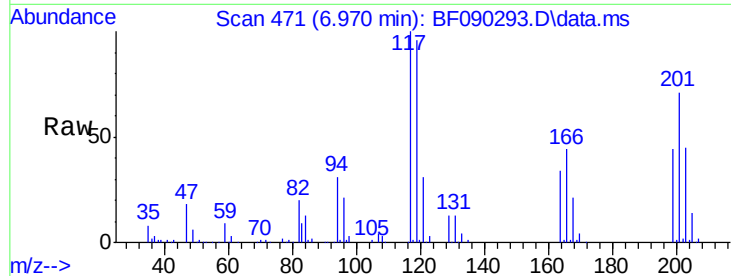




#18
Hexachloroethane
Concen: 10.15 ng
RT: 6.970 min Scan# 471
Delta R.T. -0.023 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

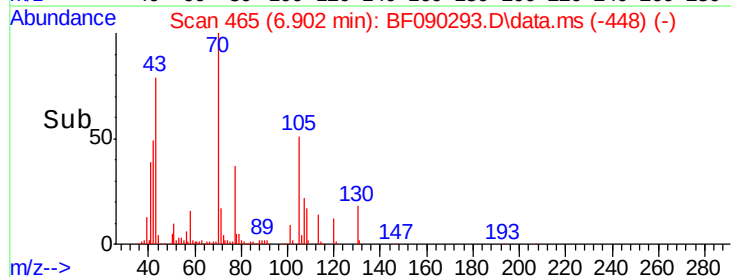
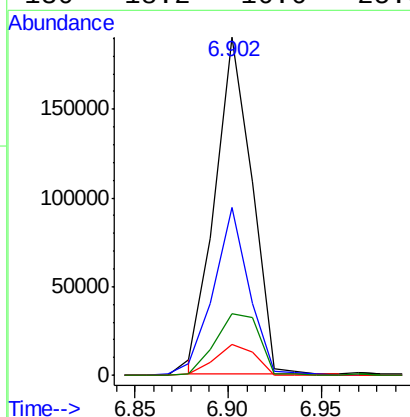
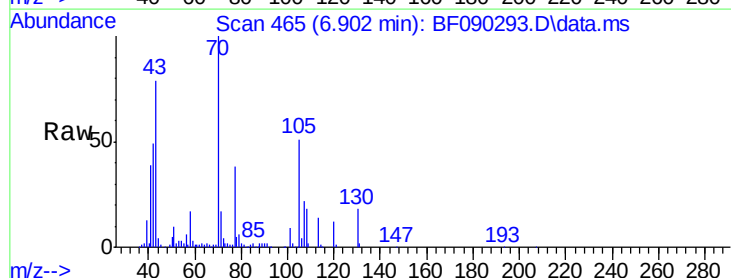
Instrument :
BNA_F
ClientSampleId :

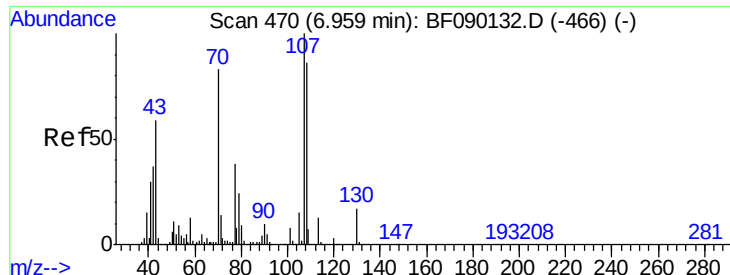
Tot Ion:117 Resp: 107608
Ion Ratio Lower Upper
117 100
119 96.0 76.6 115.0
201 70.8 55.5 83.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.81 ng
RT: 6.902 min Scan# 465
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion: 70 Resp: 260270
Ion Ratio Lower Upper
70 100
42 49.5 35.1 52.7
101 9.1 7.5 11.3
130 18.2 16.6 25.0

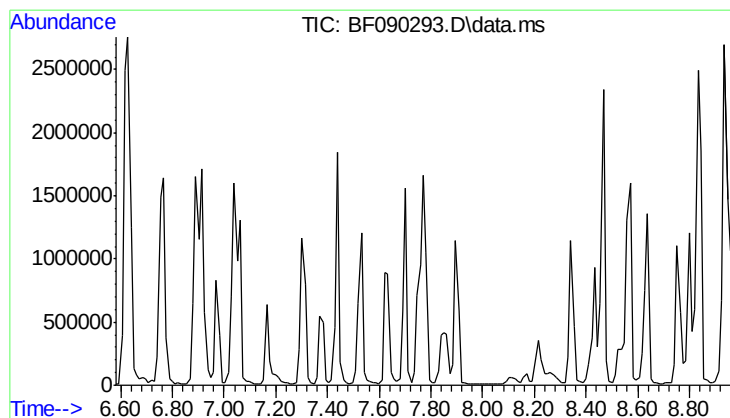
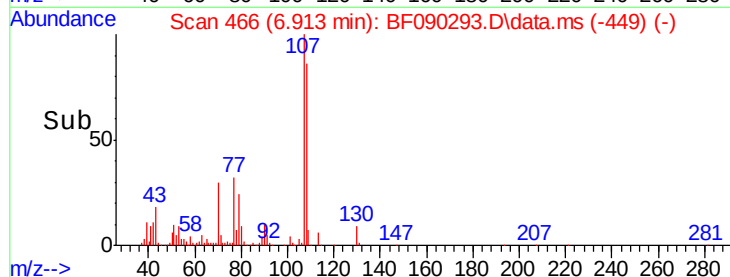
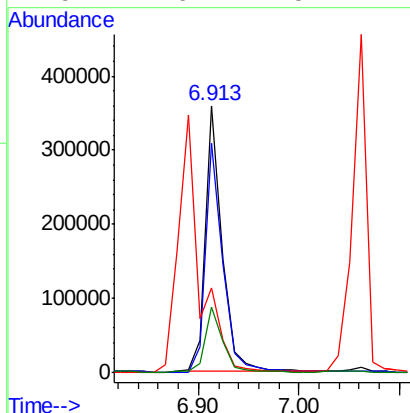
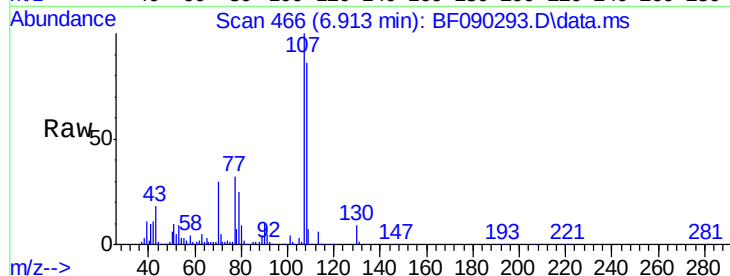




#20
3+4-Methylphenols
Concen: 15.57 ng
RT: 6.913 min Scan# 46
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Instrument :
BNA_F
ClientSampleId :

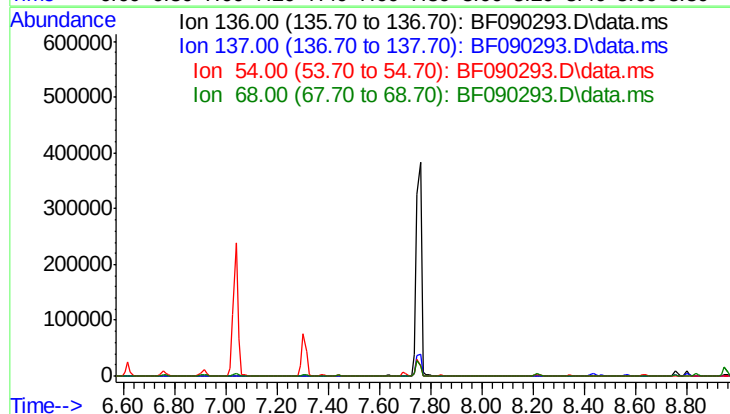
Tot Ion	Ratio	Lower	Upper
107	100		
108	86.0	73.3	113.3
77	31.8	14.1	54.1
79	24.6	7.5	47.5

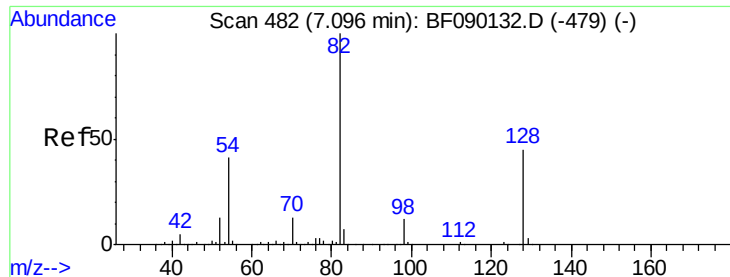


#21
Naphthalene-d8
Concen: 0.00 ng
Expected RT: 7.77 min

Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Sig	Exp Ratio
136	100	
137	11.2	
54	8.0	
68	7.9	

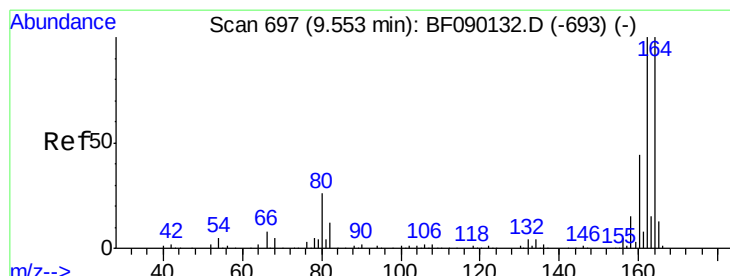
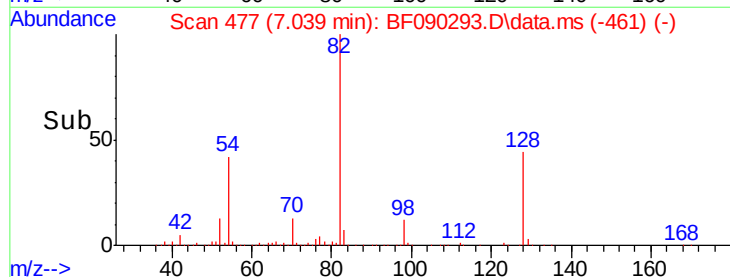
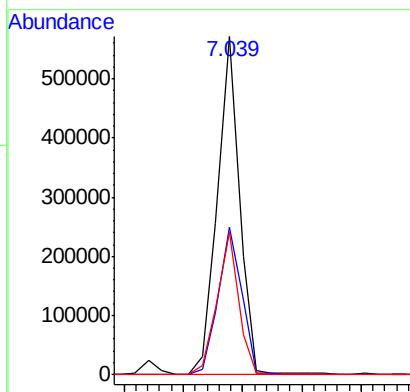
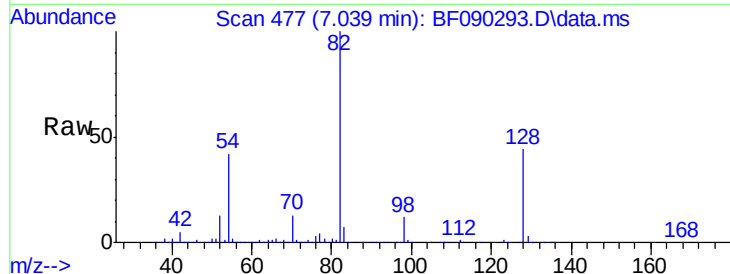




#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 RT: 7.039 min Scan# 47
 Delta R.T. -0.023 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

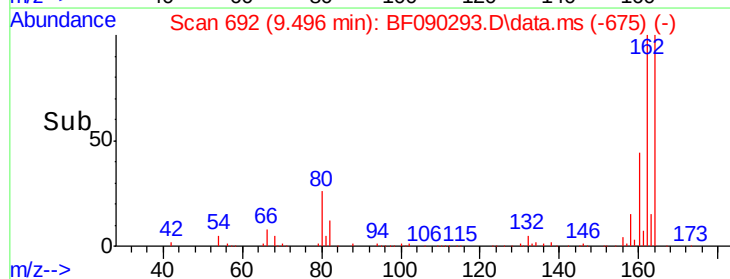
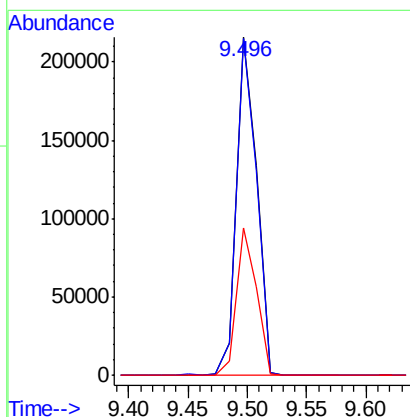
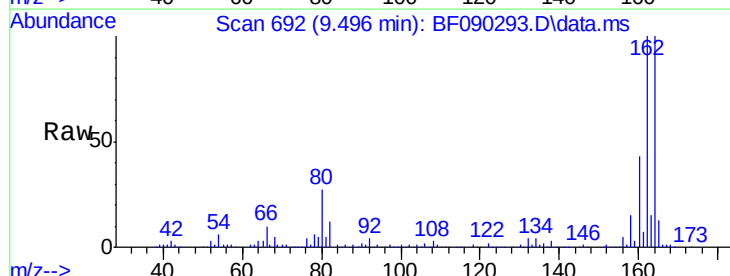
Instrument :
 BNA_F
 ClientSampleId :

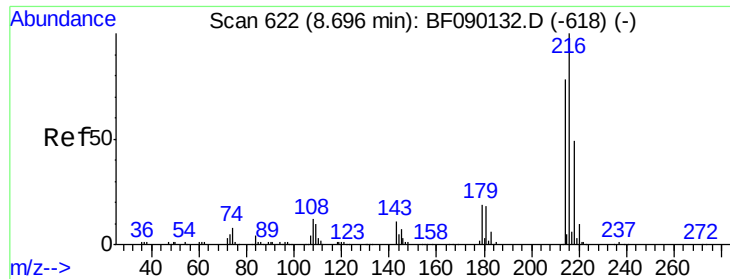
Tot Ion	82	Resp	736987
Ion Ratio	100	Lower	Upper
128	43.5	37.5	56.3
54	42.0	31.9	47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.496 min Scan# 692
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	164	Resp	256603
Ion Ratio	100	Lower	Upper
162	99.5	81.4	122.2
160	43.5	36.6	54.8

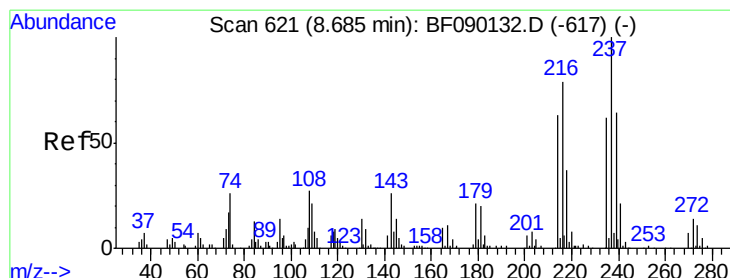
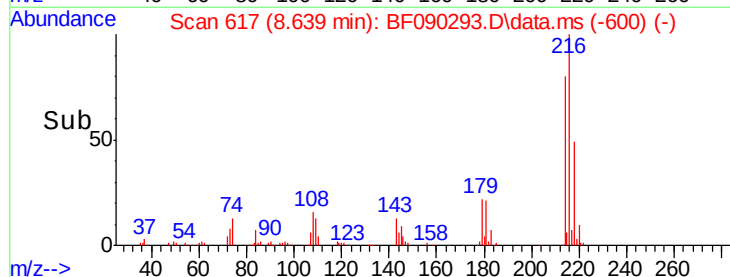
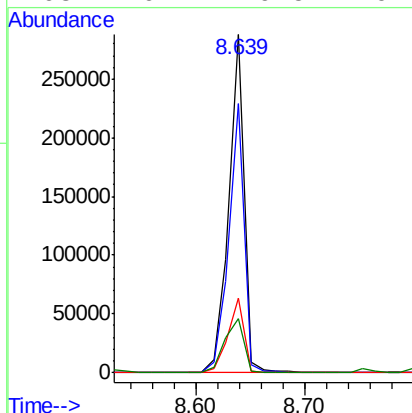
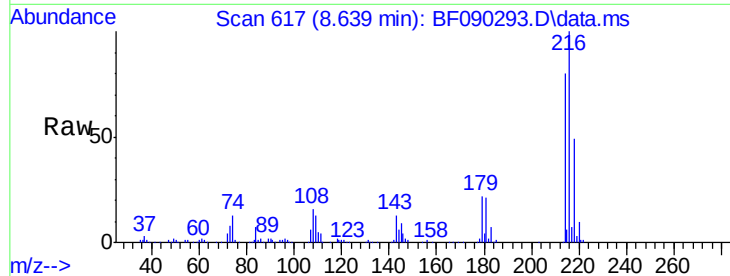




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 47.56 ng
 RT: 8.639 min Scan# 61
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

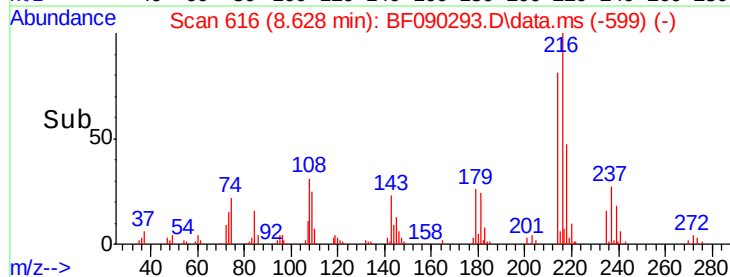
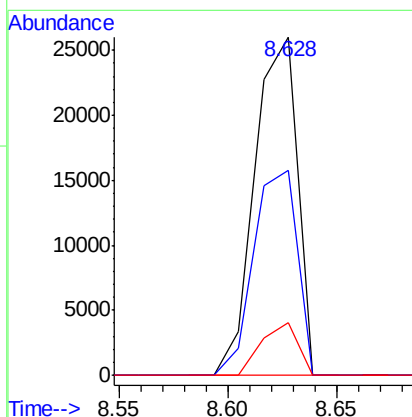
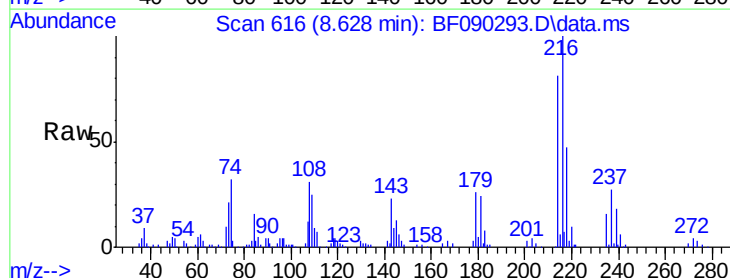
Instrument :
 BNA_F
 ClientSampleId :

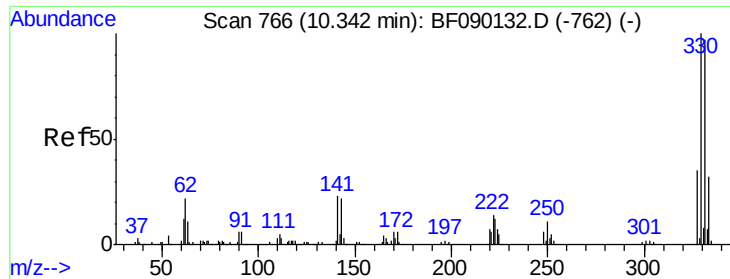
Tot Ion:	216	Resp:	280119
Ion Ratio		Lower	Upper
216	100		
214	79.7	63.7	95.5
179	22.7	18.5	27.7
108	20.4	19.5	29.3



#40
 Hexachlorocyclopentadiene
 Concen: 12.31 ng
 RT: 8.628 min Scan# 616
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion:	237	Resp:	35764
Ion Ratio		Lower	Upper
237	100		
235	60.5	42.5	82.5
272	15.4	0.0	32.0

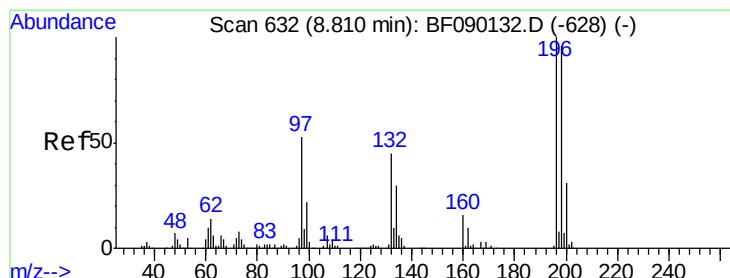
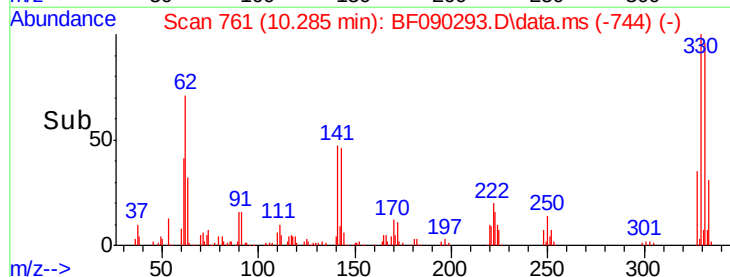
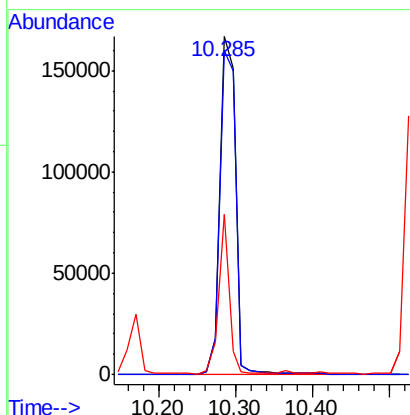
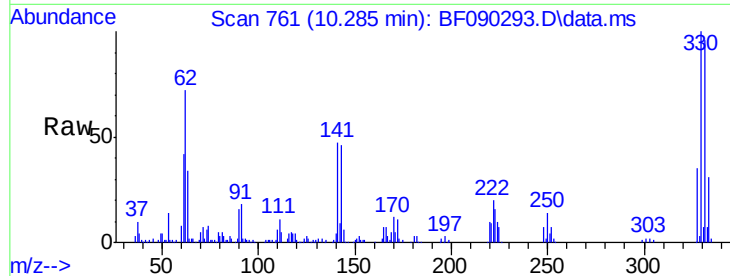




#41
 2,4,6-Tribromophenol
 Concen: 109.22 ng
 RT: 10.285 min Scan# 761
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

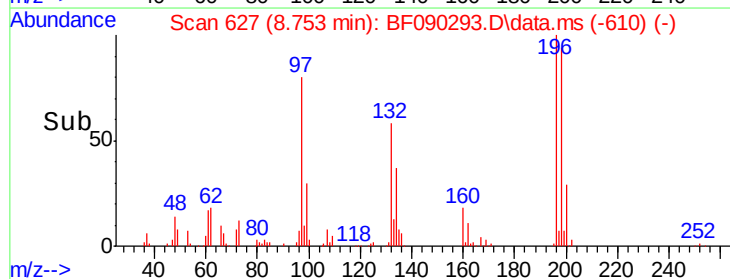
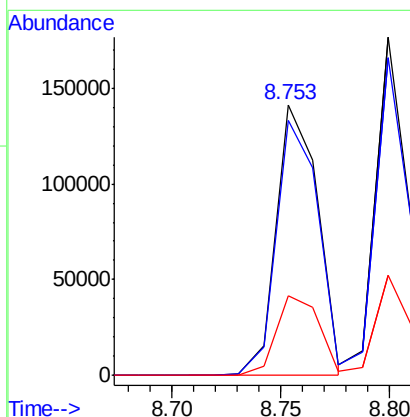
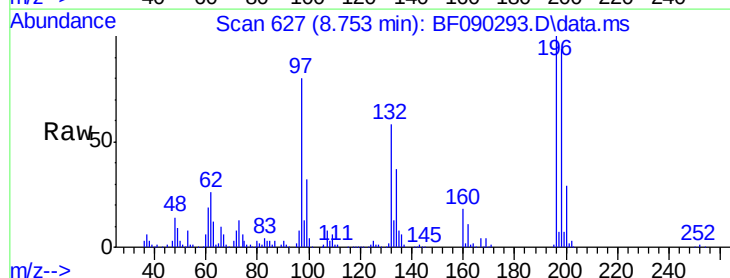
Instrument :
 BNA_F
 ClientSampleId :

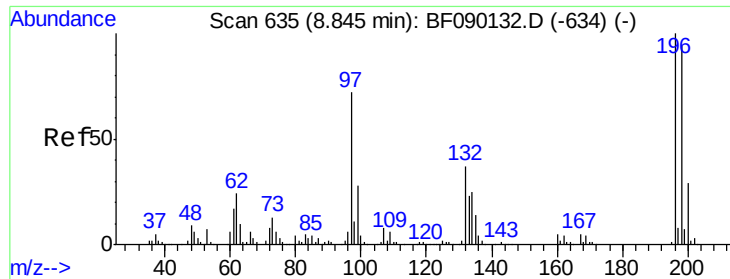
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.1	117.1
141	31.2	23.9	35.9



#42
 2,4,6-Trichlorophenol
 Concen: 44.98 ng
 RT: 8.753 min Scan# 627
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.3	114.5
200	29.2	24.1	36.1

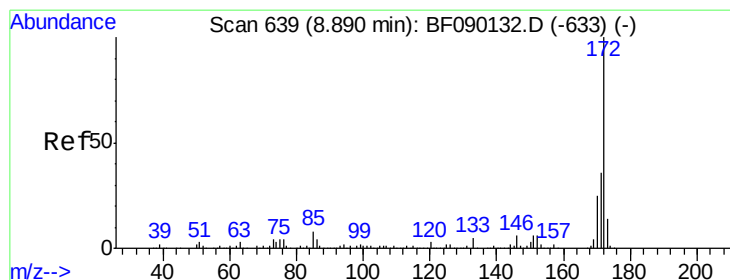
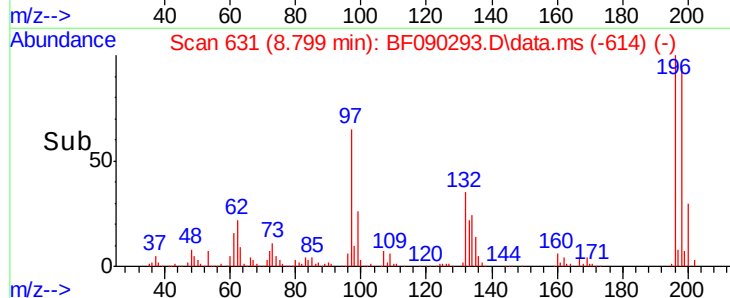
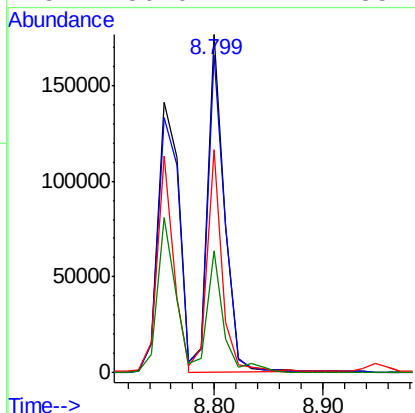
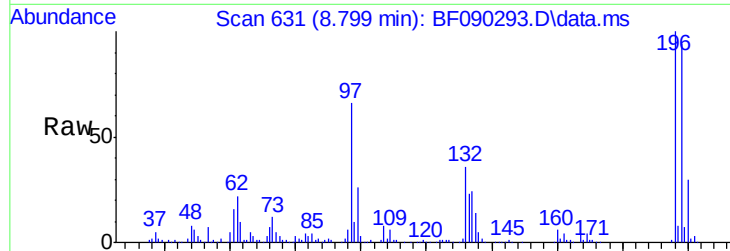




#43
 2,4,5-Trichlorophenol
 Concen: 44.00 ng
 RT: 8.799 min Scan# 631
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

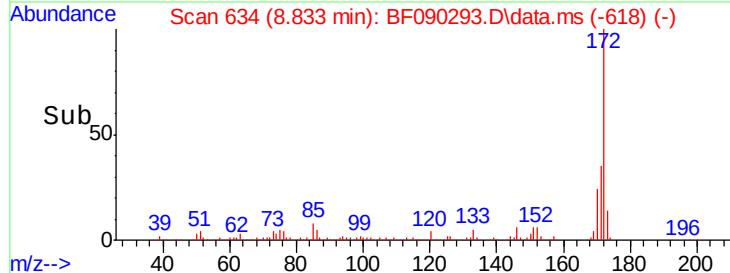
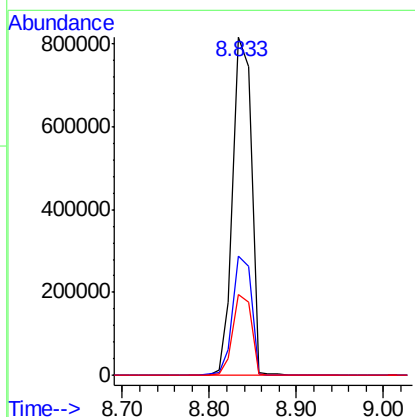
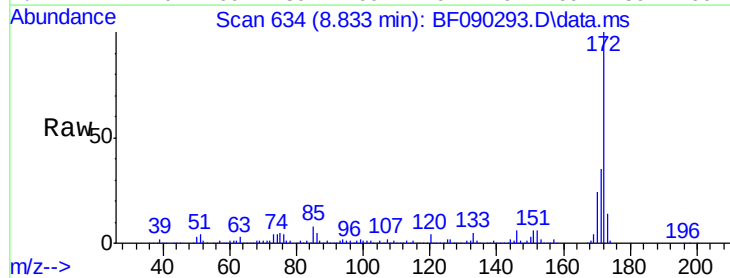
Instrument :
 BNA_F
 ClientSampleId :

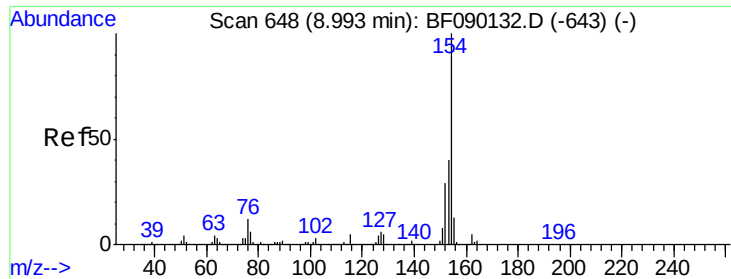
Tot Ion	Ratio	Lower	Upper
196	100		
198	94.1	76.6	114.8
97	66.0	34.4	51.6
132	36.0	22.2	33.2



#44
 2-Fluorobiphenyl
 Concen: 92.91 ng
 RT: 8.833 min Scan# 634
 Delta R.T. -0.023 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.2	43.8
170	23.9	19.8	29.8

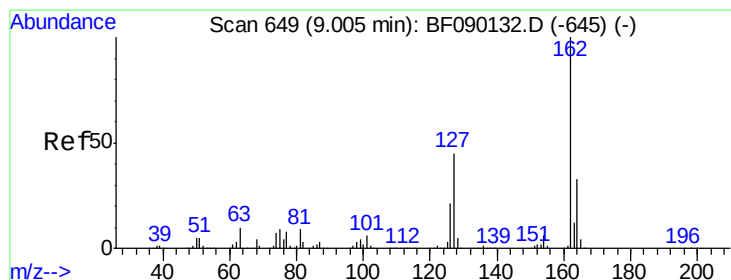
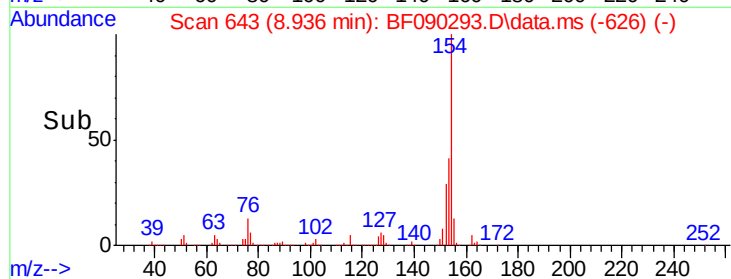
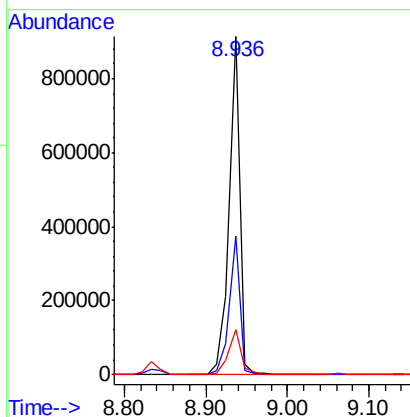
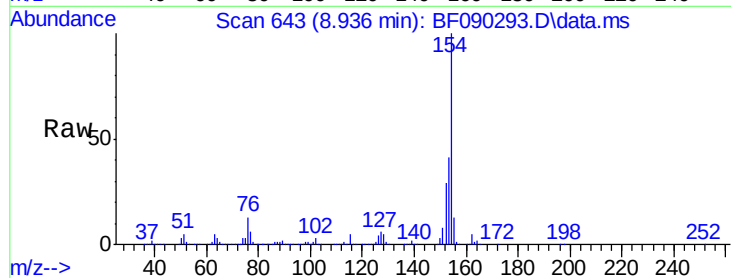




#45
 1,1'-Biphenyl
 Concen: 44.76 ng
 RT: 8.936 min Scan# 641
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

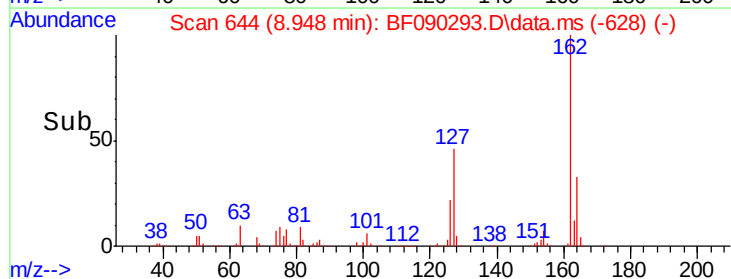
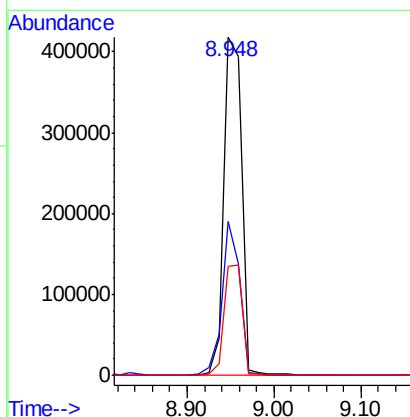
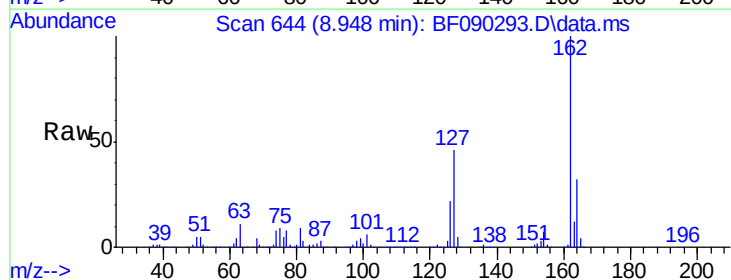
Instrument :
 BNA_F
 ClientSampleId :

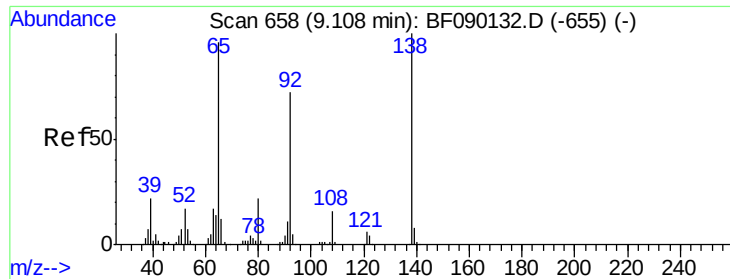
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.6	60.6
76	13.3	0.0	36.7



#46
 2-Chloronaphthalene
 Concen: 44.52 ng
 RT: 8.948 min Scan# 644
 Delta R.T. -0.023 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
162	100		
127	45.6	34.0	51.0
164	32.4	26.8	40.2

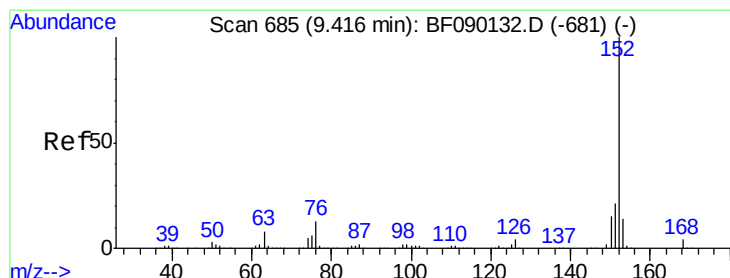
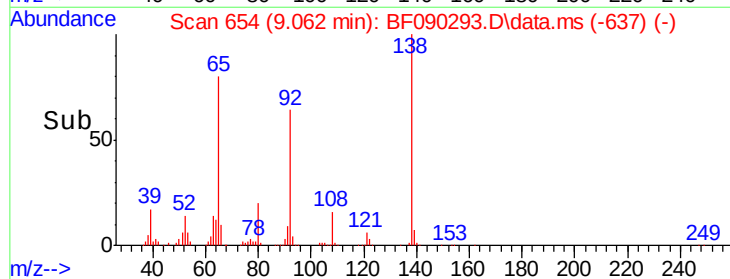
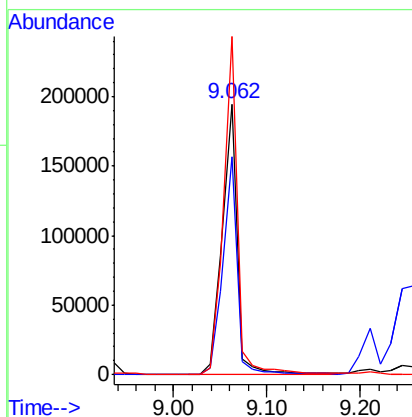
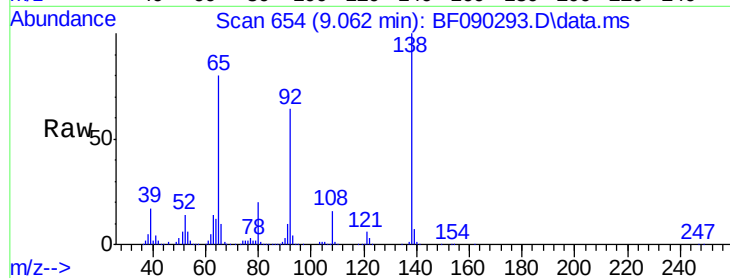




#47
2-Nitroaniline
Concen: 53.15 ng
RT: 9.062 min Scan# 65
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

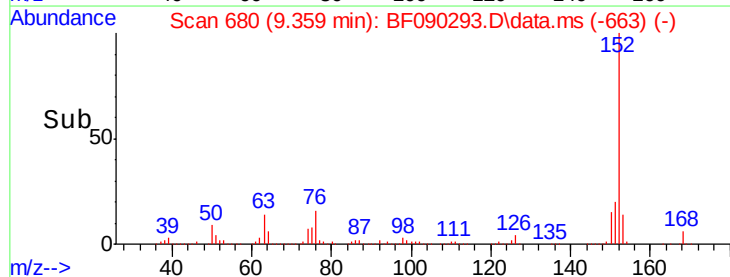
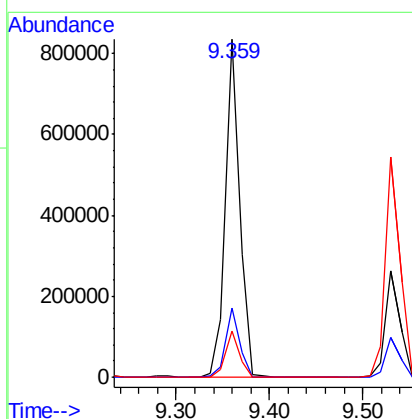
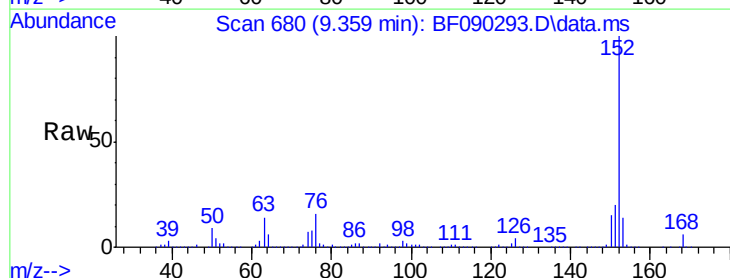
Instrument :
BNA_F
ClientSampleId :

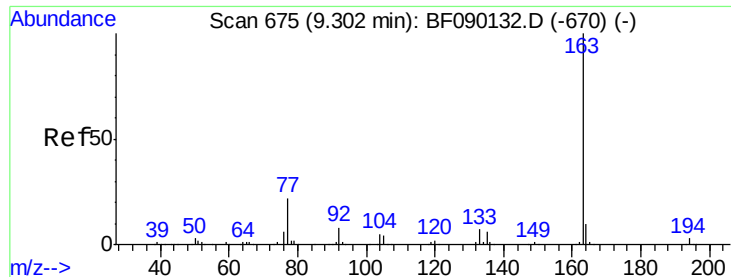
Tot Ion: 65 Resp: 217031
Ion Ratio Lower Upper
65 100
92 80.5 66.1 99.1
138 125.1 104.1 156.1



#48
Acenaphthylene
Concen: 40.61 ng
RT: 9.359 min Scan# 680
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion: 152 Resp: 893136
Ion Ratio Lower Upper
152 100
151 20.4 16.5 24.7
153 13.7 10.6 15.8





#49

Dimethylphthalate

Concen: 73.34 ng

RT: 9.256 min Scan# 671

Delta R.T. -0.011 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

Instrument :

BNA_F

ClientSampleId :

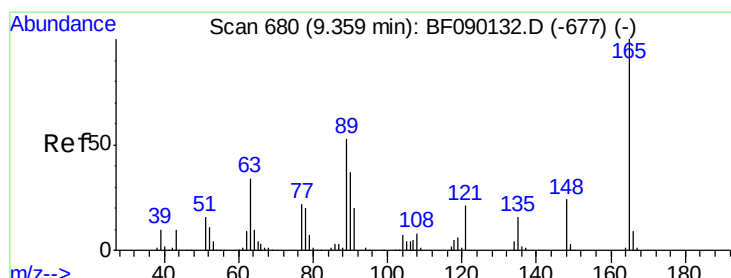
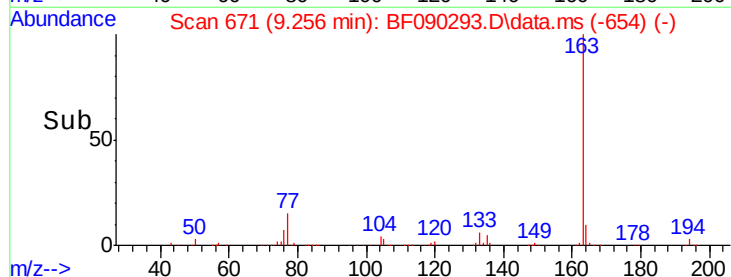
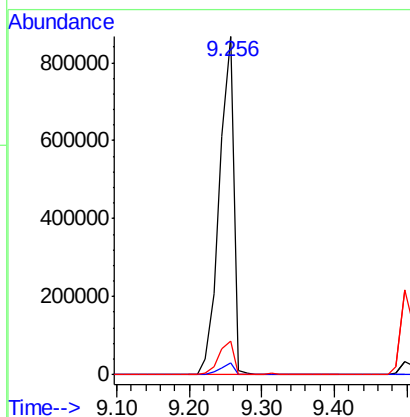
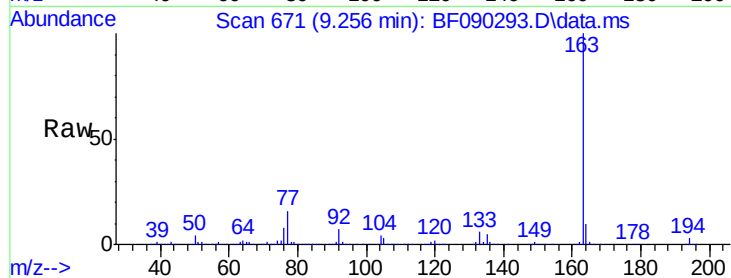
Tot Ion:163 Resp: 1198694

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

164 9.8 8.1 12.1



#50

2,6-Dinitrotoluene

Concen: 43.92 ng

RT: 9.313 min Scan# 676

Delta R.T. 0.000 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

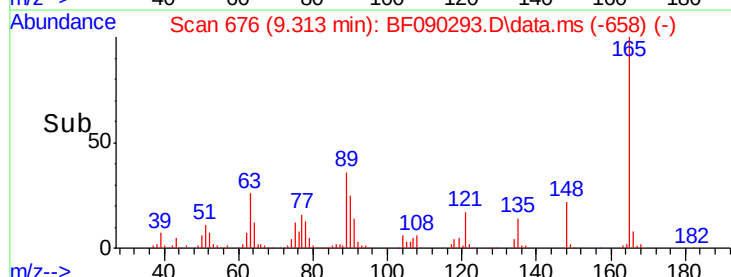
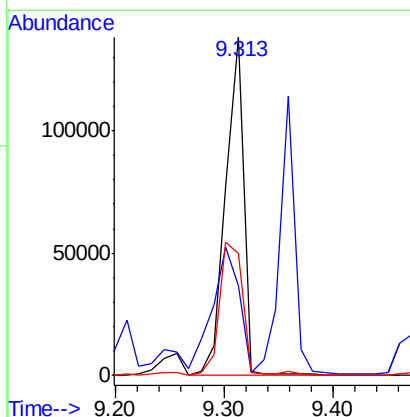
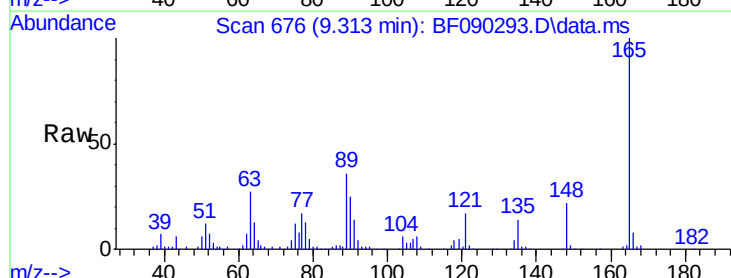
Tgt Ion:165 Resp: 159975

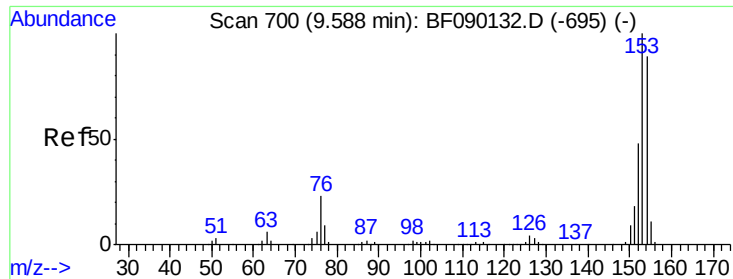
Ion Ratio Lower Upper

165 100

63 26.5 49.9 74.9#

89 36.0 51.0 76.4#





#51

Acenaphthene

Concen: 39.86 ng

RT: 9.531 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

Instrument :

BNA_F

ClientSampleId :

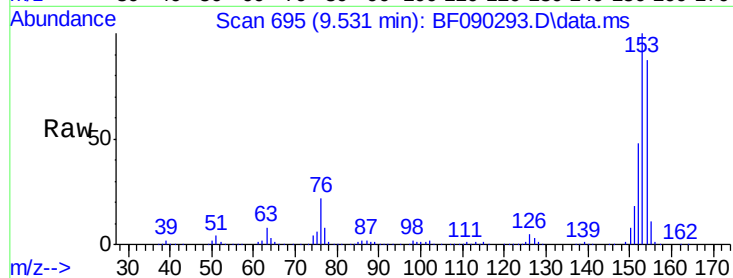
Tot Ion:154 Resp: 520396

Ion Ratio Lower Upper

154 100

153 115.2 90.8 136.2

152 55.2 44.2 66.4



Abundance

9.531

500000

400000

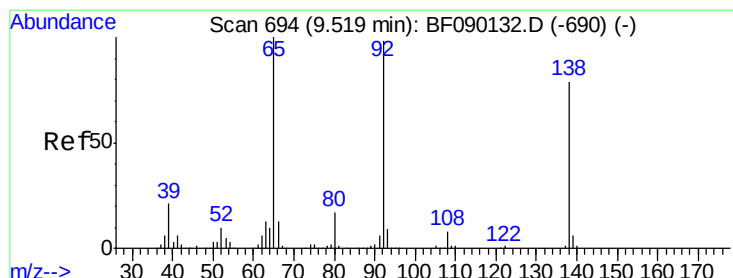
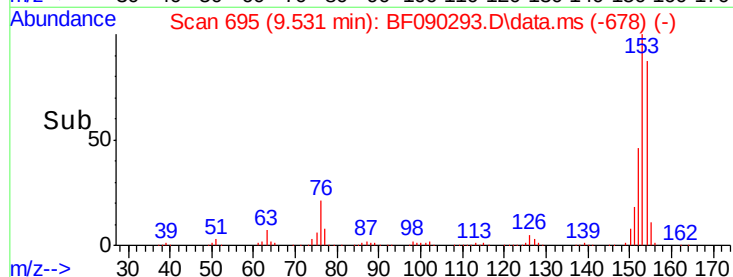
300000

200000

100000

0

Time-->



#52

3-Nitroaniline

Concen: 38.77 ng

RT: 9.473 min Scan# 690

Delta R.T. -0.011 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

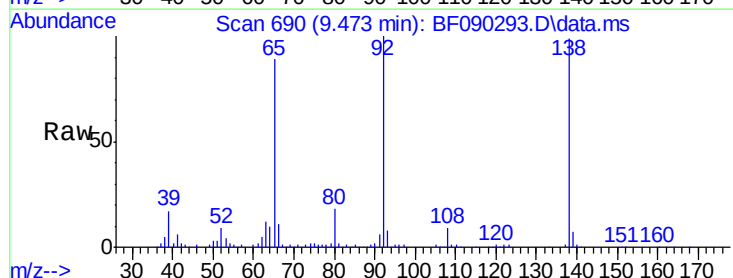
Tgt Ion:138 Resp: 165577

Ion Ratio Lower Upper

138 100

108 9.1 7.8 11.6

92 100.6 90.7 136.1



Abundance

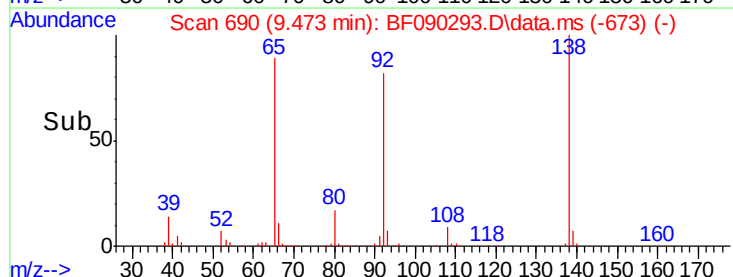
9.473

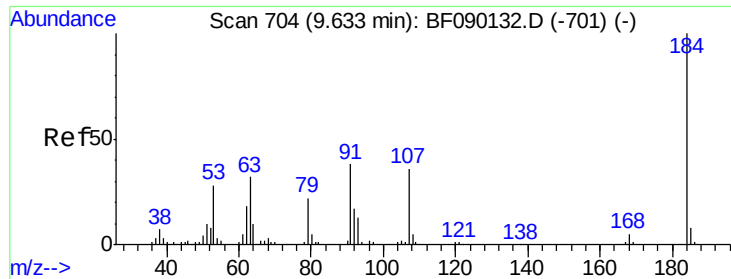
100000

50000

0

Time-->

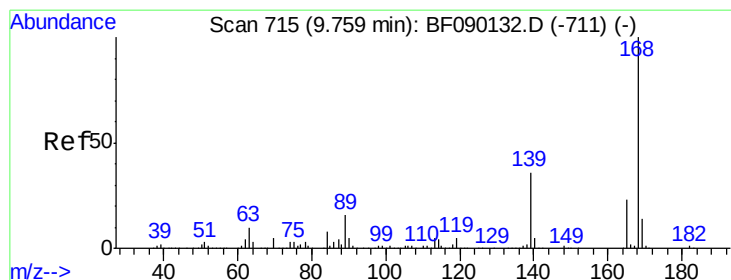
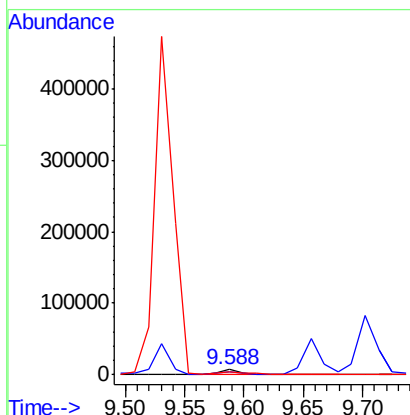
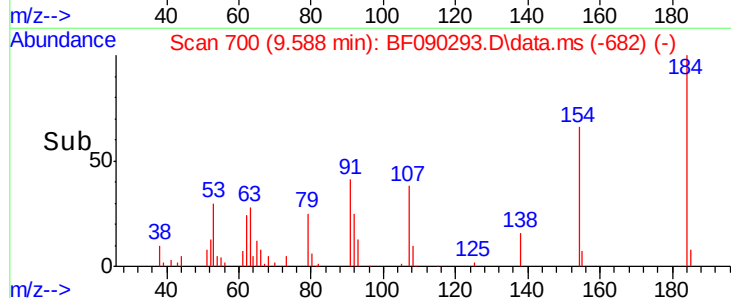
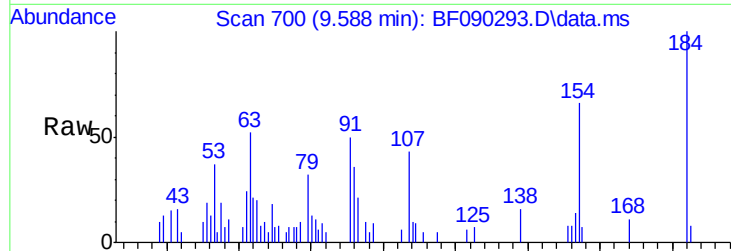




#53
2,4-Dinitrophenol
Concen: 7.60 ng
RT: 9.588 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

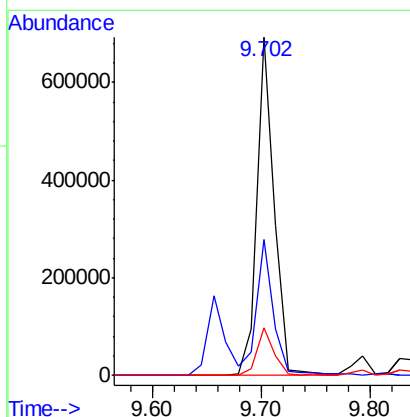
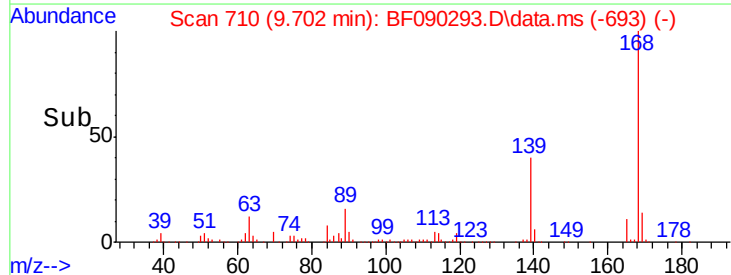
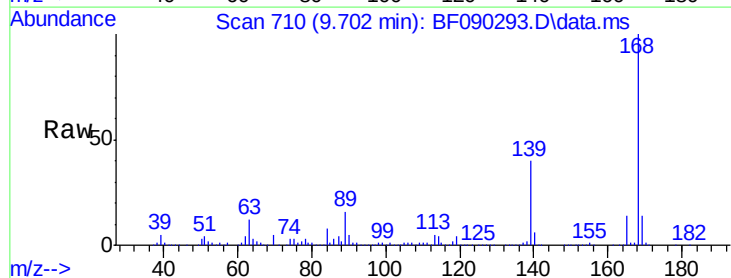
Instrument :
BNA_F
ClientSampleId :

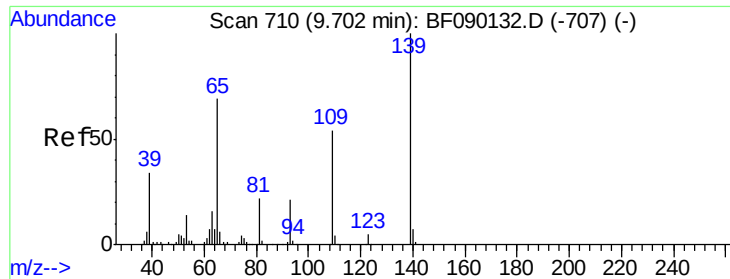
Tot Ion:184 Resp: 9447
Ion Ratio Lower Upper
184 100
63 51.8 44.6 67.0
154 66.4 49.7 74.5



#54
Dibenzofuran
Concen: 45.03 ng
RT: 9.702 min Scan# 710
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion:168 Resp: 773661
Ion Ratio Lower Upper
168 100
139 40.4 28.8 43.2
169 14.1 10.7 16.1

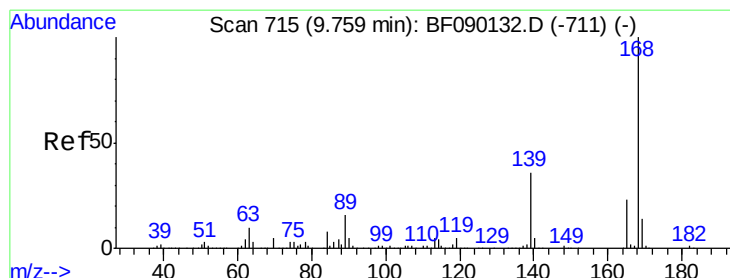
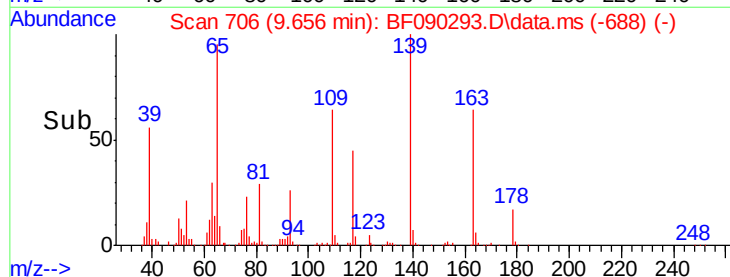
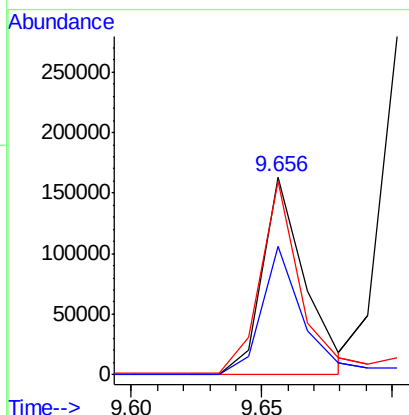
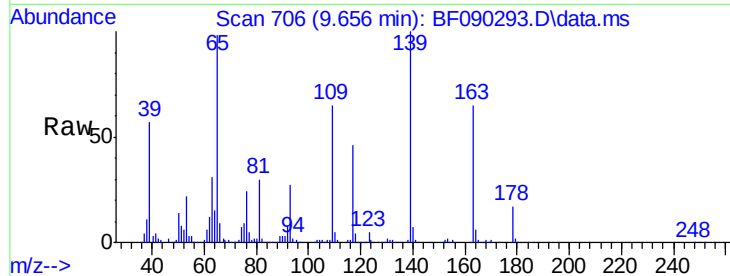




#55
4-Nitrophenol
Concen: 63.44 ng
RT: 9.656 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

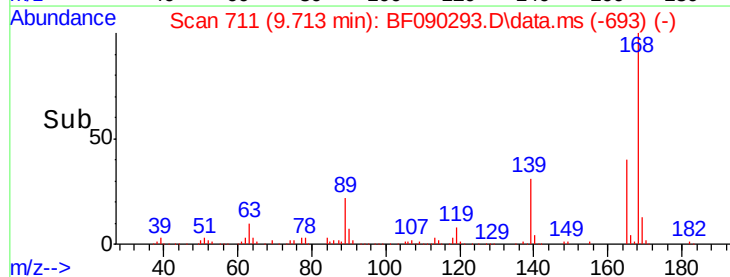
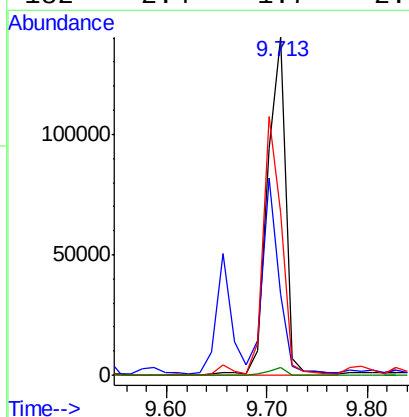
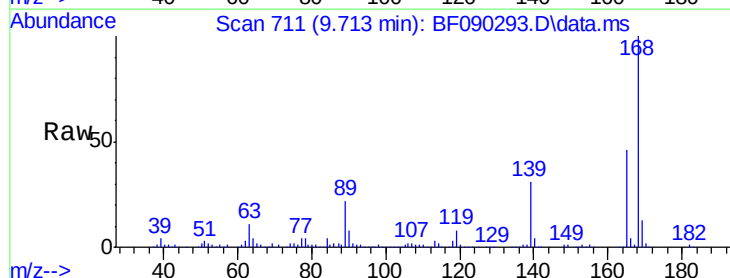
Instrument :
BNA_F
ClientSampled :

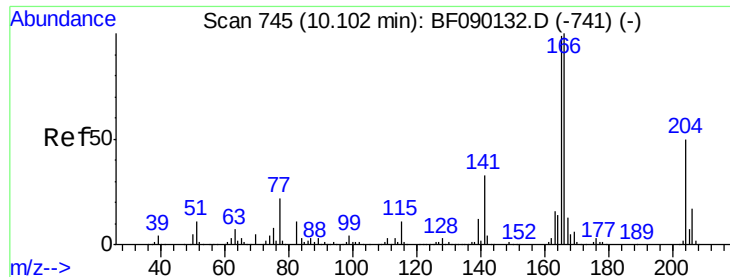
Tot Ion	Ratio	Lower	Upper
139	100		
109	64.7	35.6	75.6
65	98.1	55.5	95.5



#56
2,4-Dinitrotoluene
Concen: 41.35 ng
RT: 9.713 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	23.8	44.4	66.6
89	48.1	70.1	105.1
182	2.4	1.7	2.5

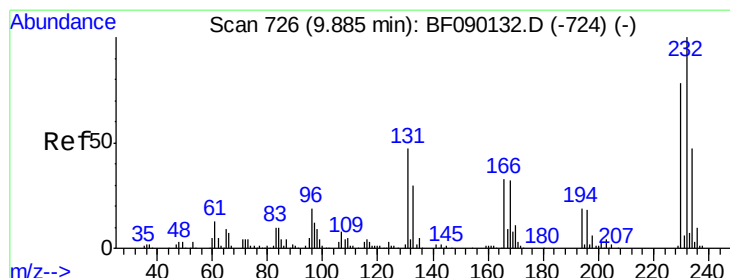
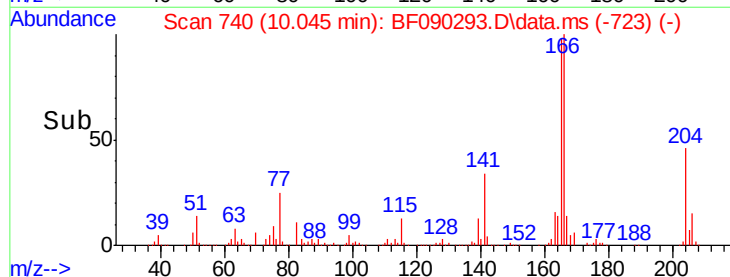
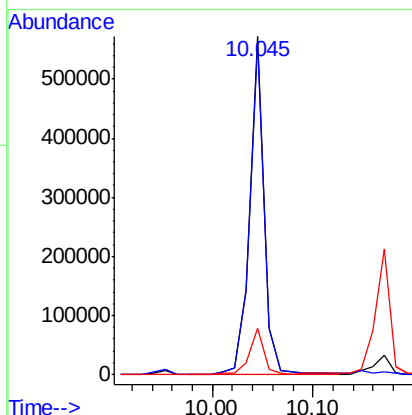
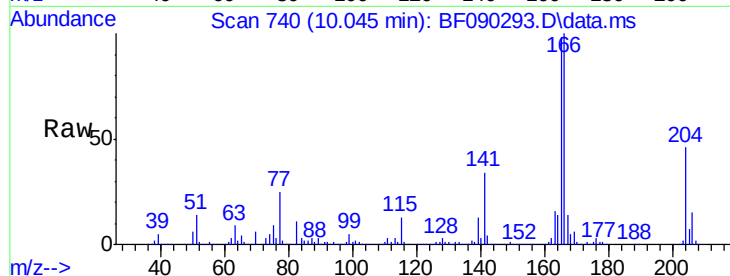




#57
 Fluorene
 Concen: 43.78 ng
 RT: 10.045 min Scan# 741
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

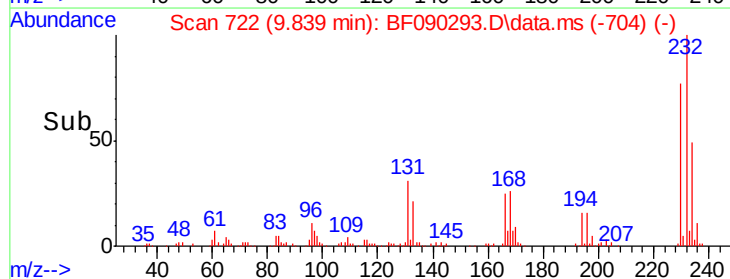
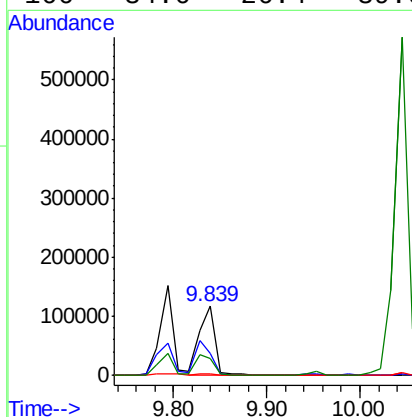
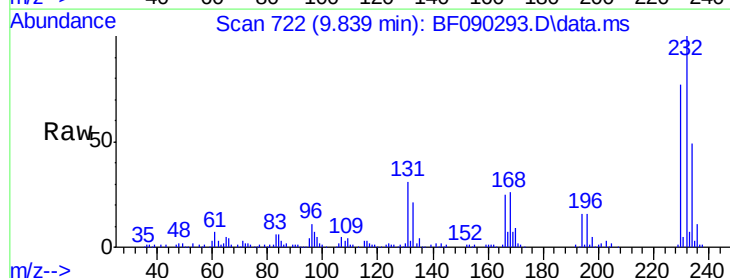
Instrument :
 BNA_F
 ClientSampled :

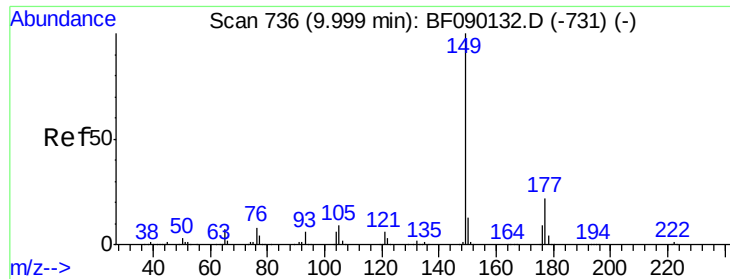
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.5	117.7
167	13.8	11.2	16.8



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 43.31 ng
 RT: 9.839 min Scan# 722
 Delta R.T. 0.000 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
232	100		
131	46.9	42.2	63.4
130	0.0	1.9	2.9#
166	34.6	26.4	39.6

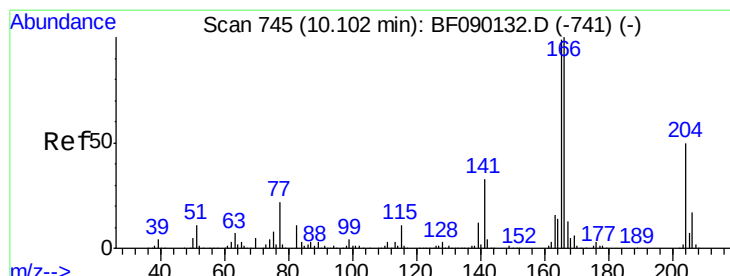
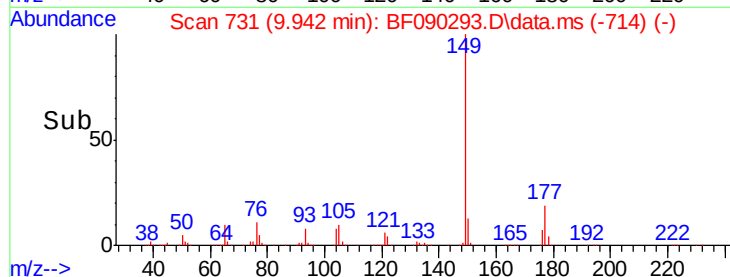
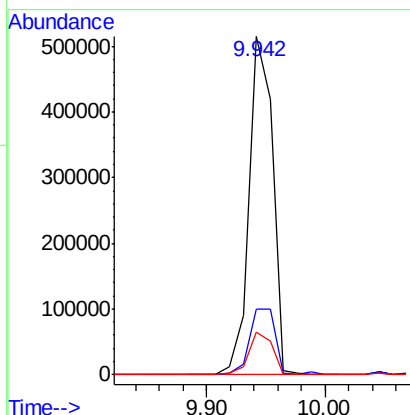
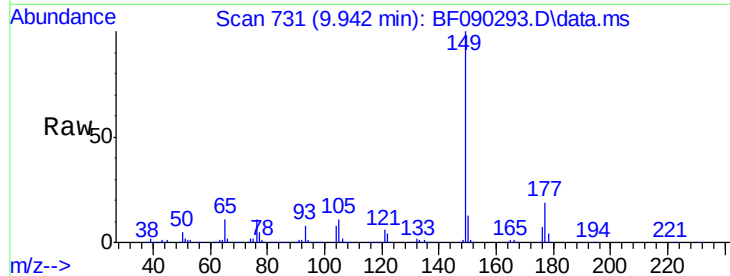




#59
Diethylphthalate
Concen: 45.38 ng
RT: 9.942 min Scan# 731
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

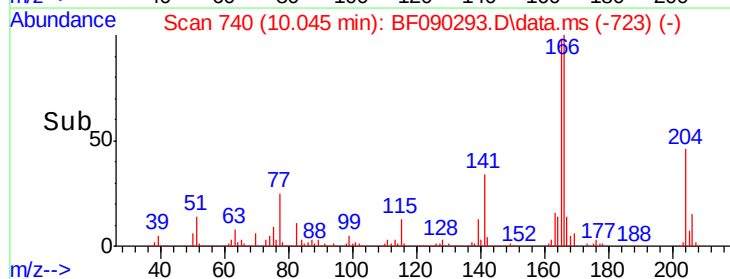
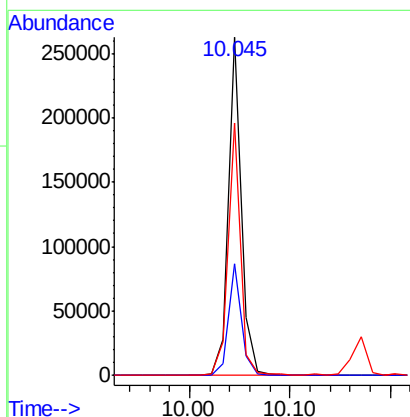
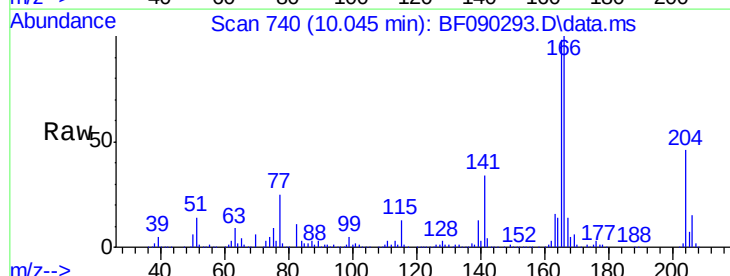
Instrument :
BNA_F
ClientSampled :

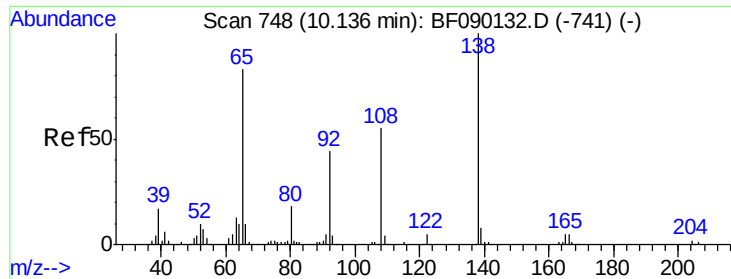
Tot Ion	Ratio	Lower	Upper
149	100		
177	19.3	15.8	23.6
150	12.7	10.4	15.6



#60
4-Chlorophenyl-phenylether
Concen: 39.74 ng
RT: 10.045 min Scan# 740
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.6	38.4
141	74.5	64.4	96.6

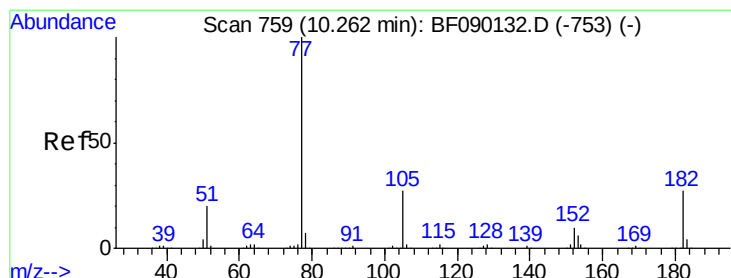
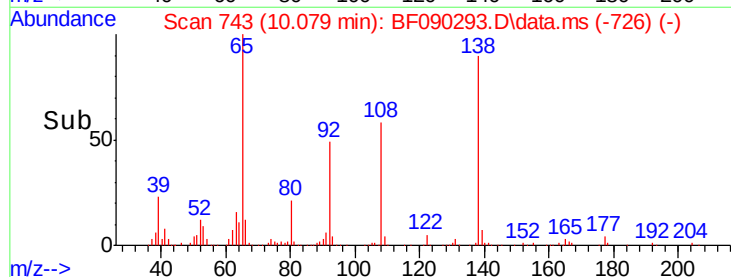
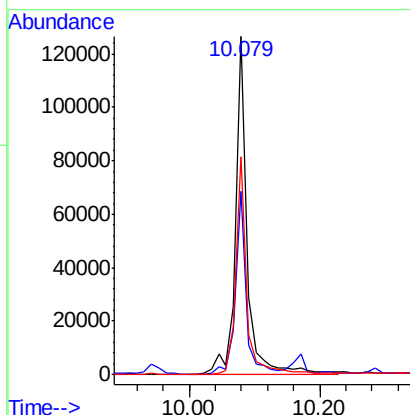
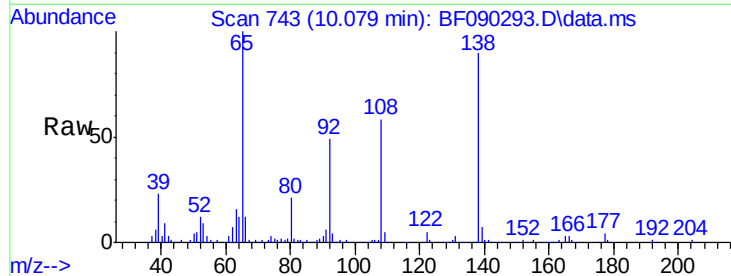




#61
4-Nitroaniline
Concen: 35.60 ng
RT: 10.079 min Scan# 741
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

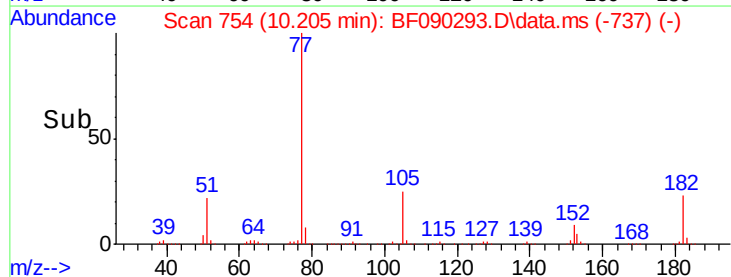
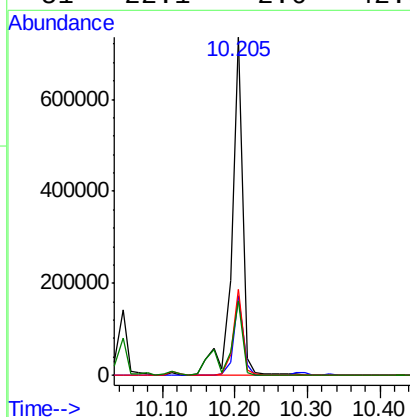
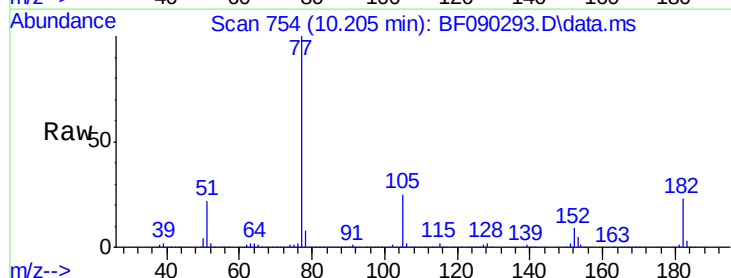
Instrument :
BNA_F
ClientSampleId :

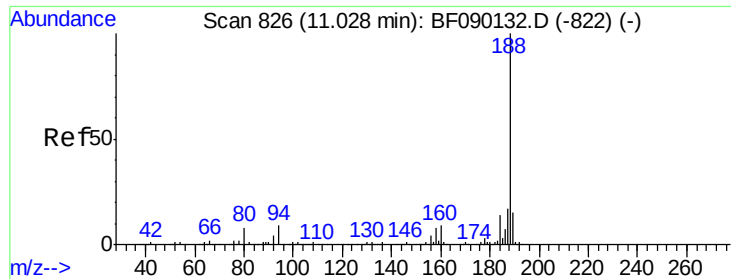
Tot Ion:138 Resp: 154966
Ion Ratio Lower Upper
138 100
92 54.1 23.8 63.8
108 64.4 35.0 75.0



#62
Azobenzene
Concen: 45.67 ng
RT: 10.205 min Scan# 754
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion: 77 Resp: 750367
Ion Ratio Lower Upper
77 100
182 23.5 0.0 38.4
105 25.3 3.8 43.8
51 22.1 2.6 42.6

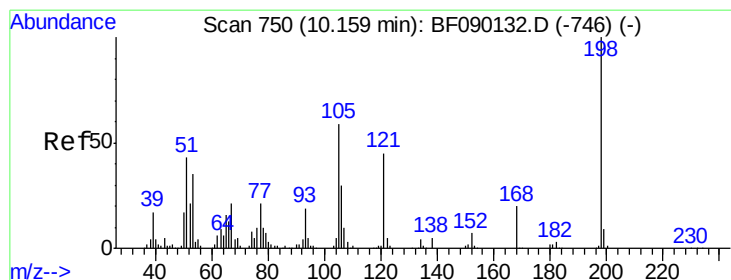
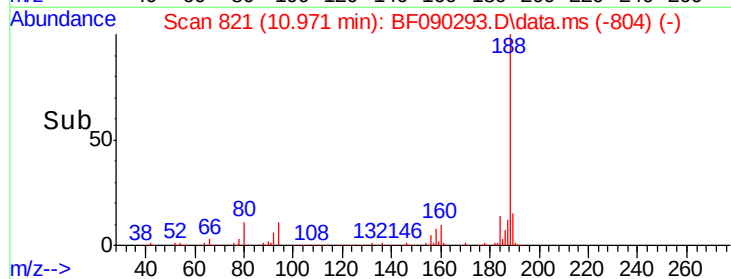
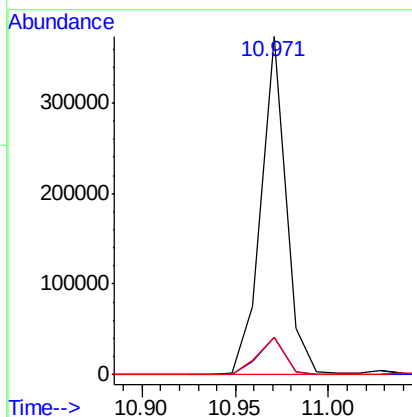
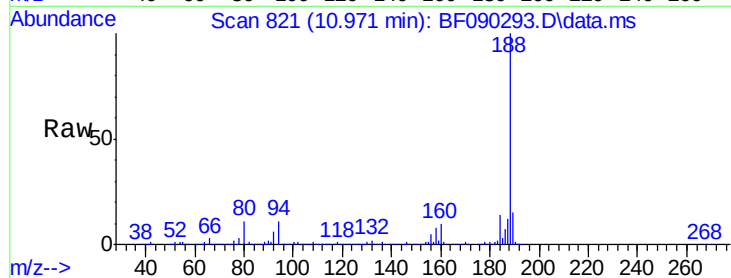




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.971 min Scan# 821
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

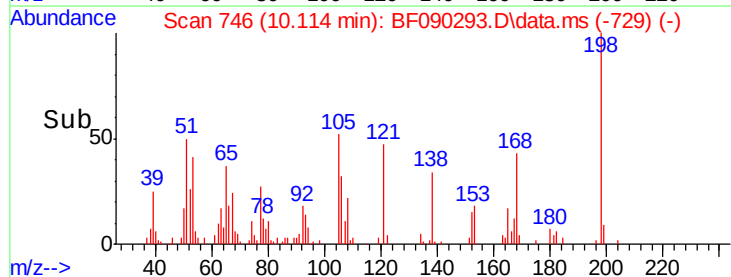
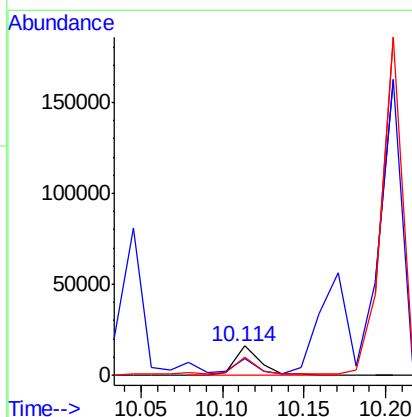
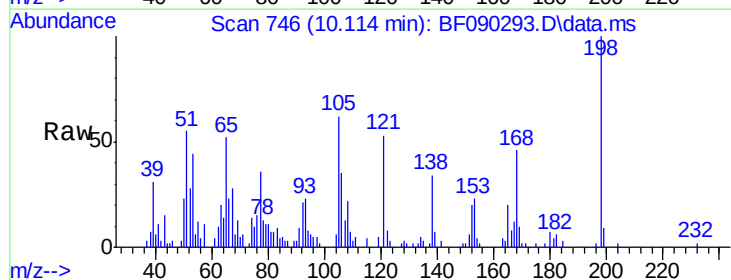
Instrument :
BNA_F
ClientSampleId :

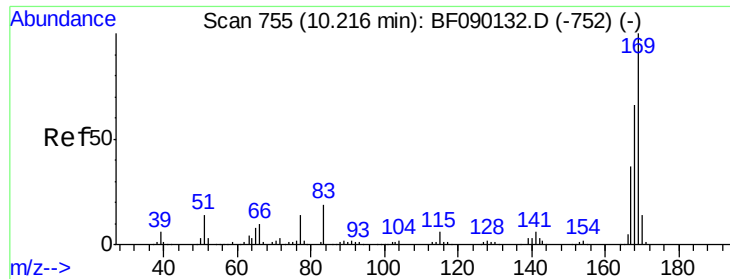
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.0	10.5	15.7
80	11.1	11.2	16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 7.85 ng
RT: 10.114 min Scan# 746
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
198	100		
51	55.3	5.5	45.5#
105	62.2	21.8	61.8#

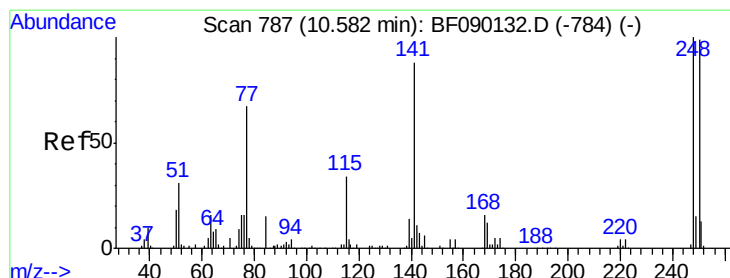
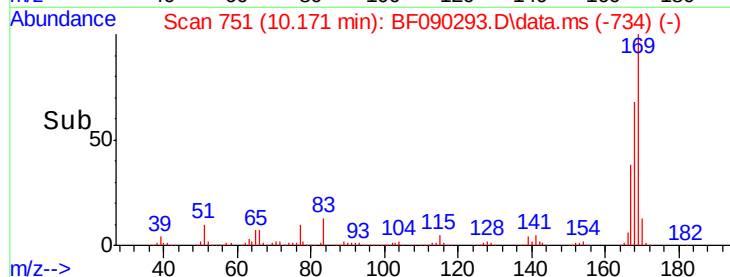
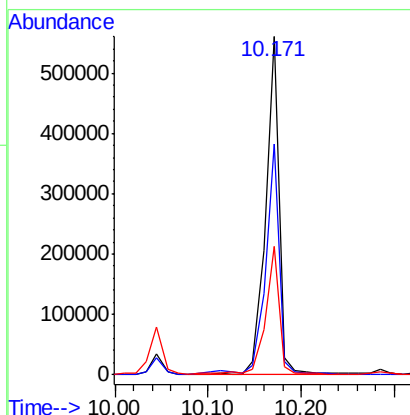
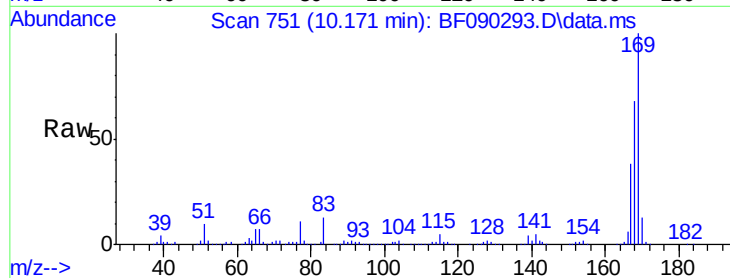




#65
 n-Nitrosodiphenylamine
 Concen: 50.29 ng
 RT: 10.171 min Scan# 751
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

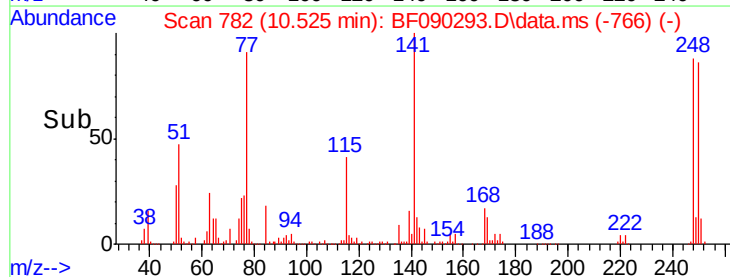
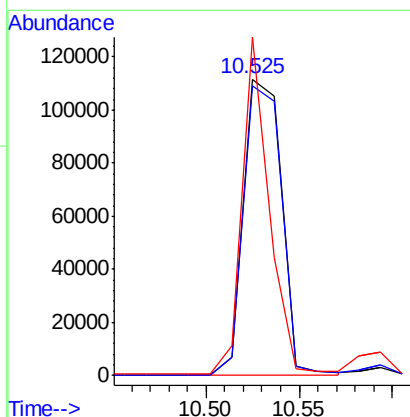
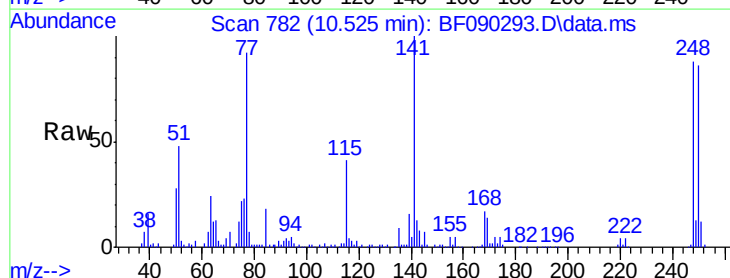
Instrument :
 BNA_F
 ClientSampleId :

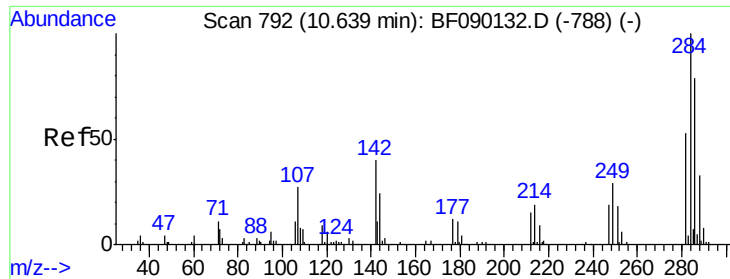
Tot Ion	Ratio	Lower	Upper
169	100		
168	68.1	54.2	81.4
167	37.9	30.3	45.5



#66
 4-Bromophenyl-phenylether
 Concen: 45.95 ng
 RT: 10.525 min Scan# 782
 Delta R.T. -0.023 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.6	79.4	119.2
141	114.0	49.3	73.9#

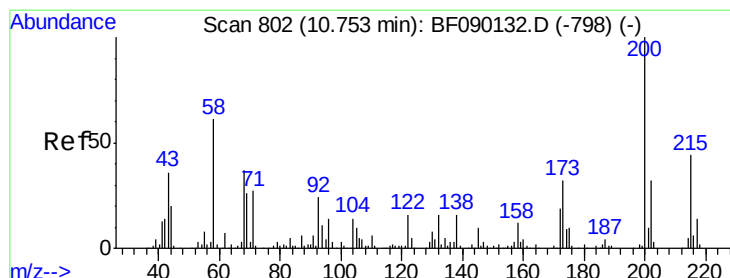
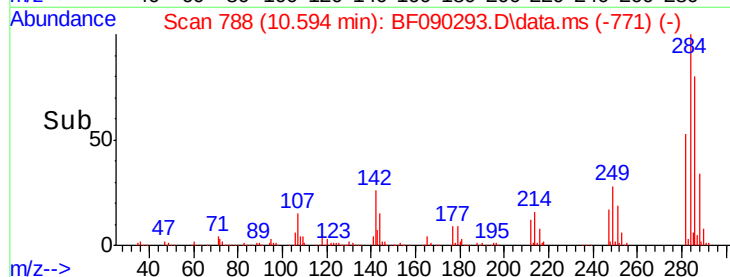
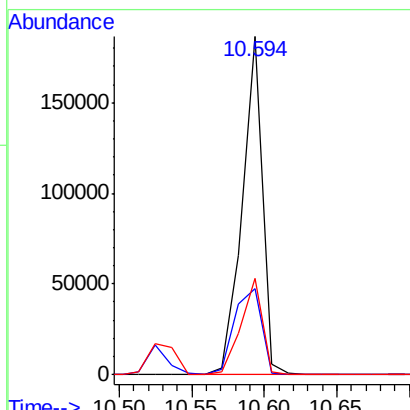
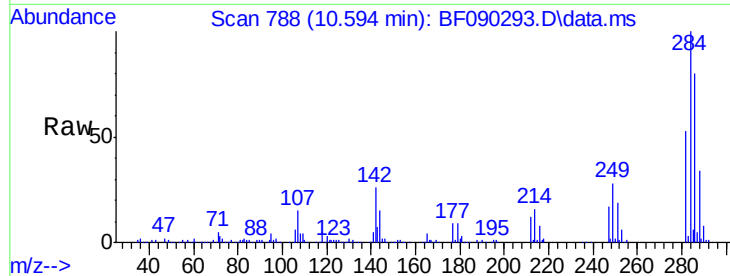




#67
Hexachlorobenzene
Concen: 45.16 ng
RT: 10.594 min Scan# 78
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

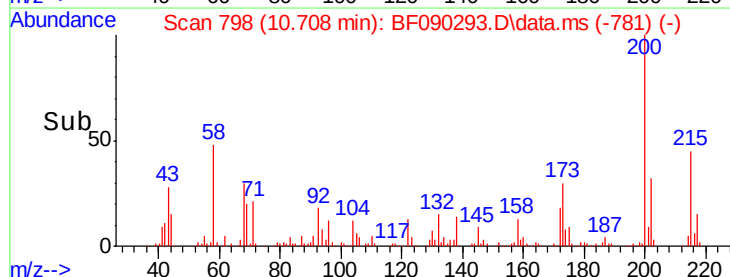
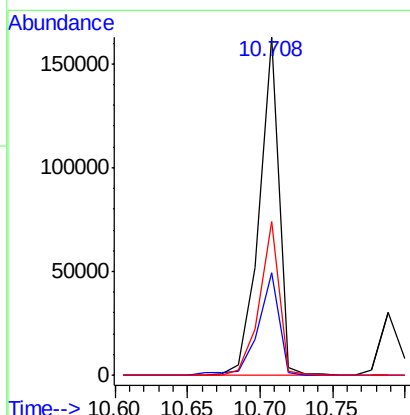
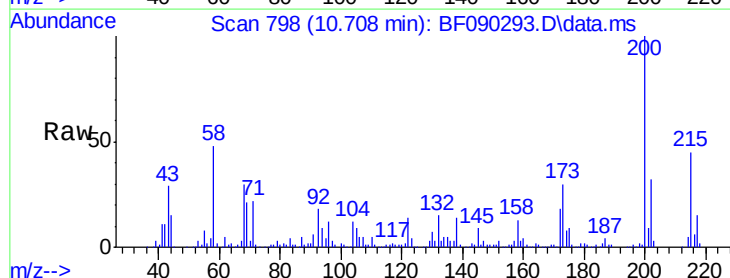
Instrument :
BNA_F
ClientSampleId :

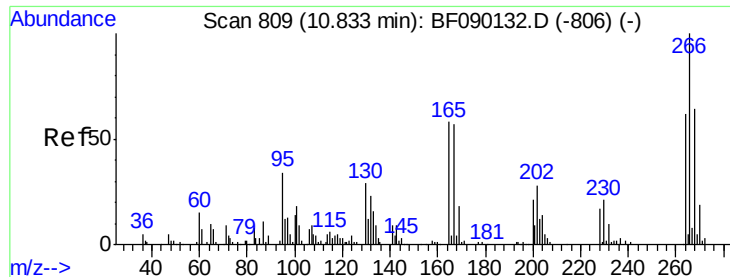
Tot Ion	Ratio	Lower	Upper
284	100		
142	25.6	24.0	36.0
249	28.3	23.8	35.6



#68
Atrazine
Concen: 49.40 ng
RT: 10.708 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
200	100		
173	30.2	9.3	49.3
215	45.5	26.1	66.1

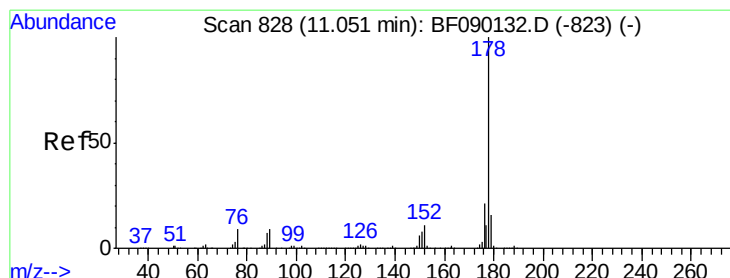
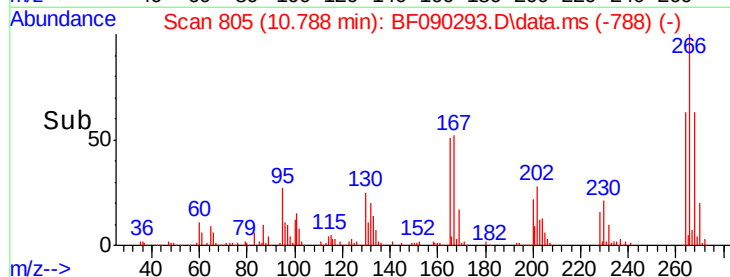
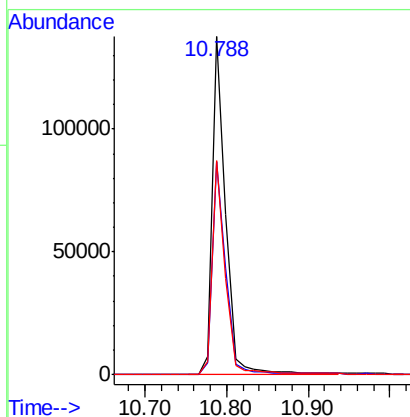
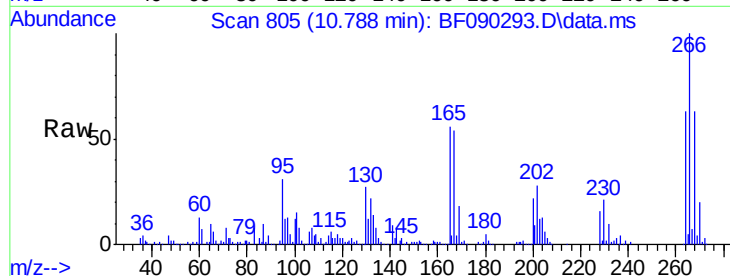




#69
 Pentachlorophenol
 Concen: 69.85 ng
 RT: 10.788 min Scan# 80
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

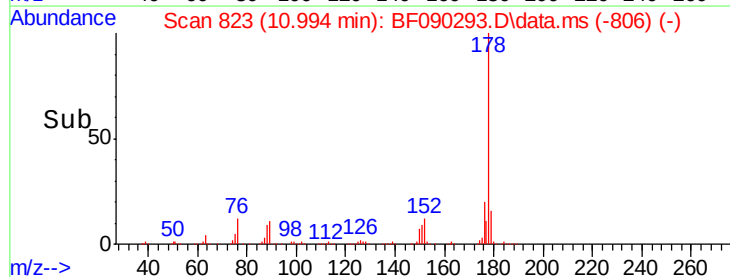
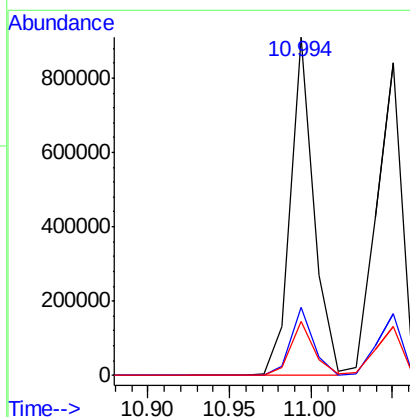
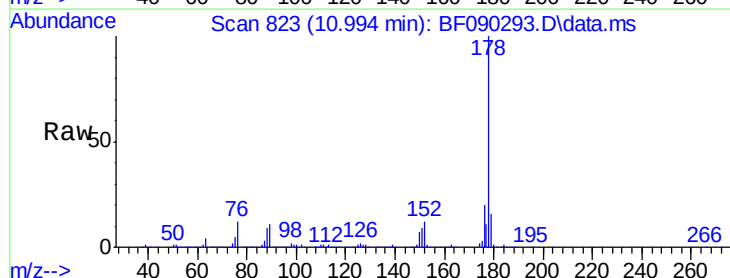
Instrument :
 BNA_F
 ClientSampleId :

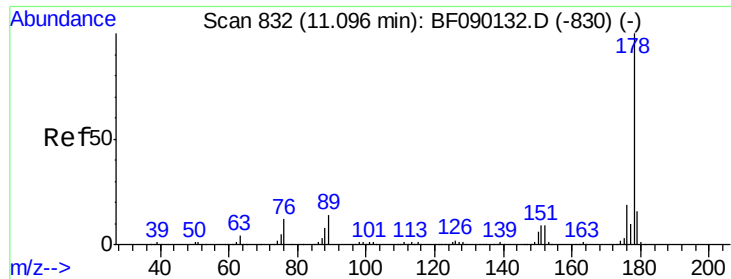
Tot Ion	Ratio	Lower	Upper
266	100		
268	63.0	52.1	78.1
264	63.3	50.3	75.5



#70
 Phenanthrene
 Concen: 56.07 ng
 RT: 10.994 min Scan# 823
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.9	23.9
179	15.9	12.9	19.3

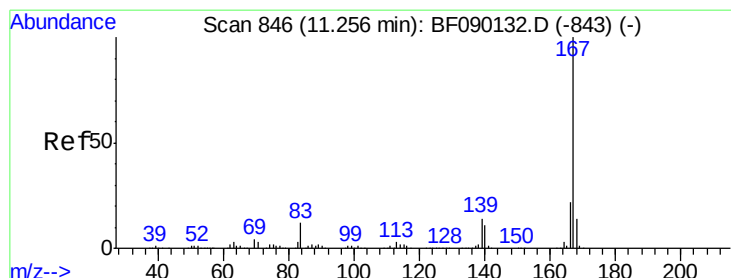
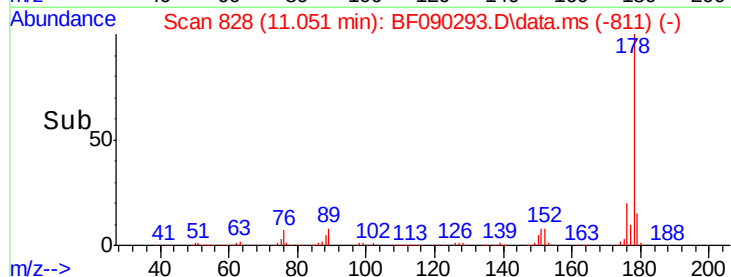
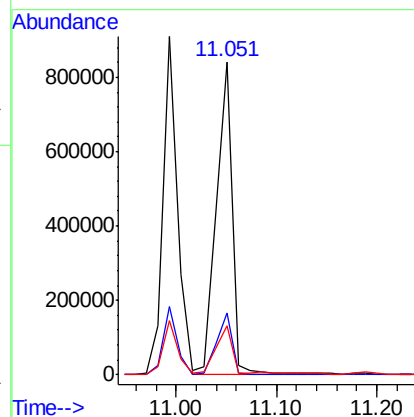
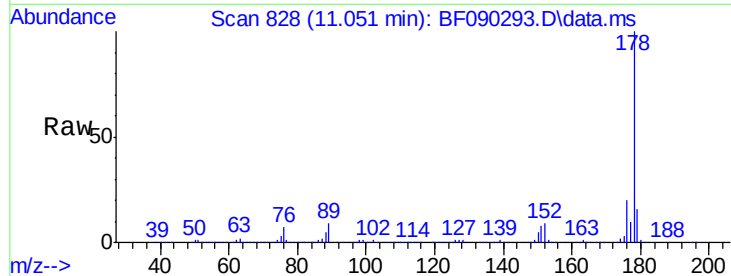




#71
 Anthracene
 Concen: 53.90 ng
 RT: 11.051 min Scan# 82
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

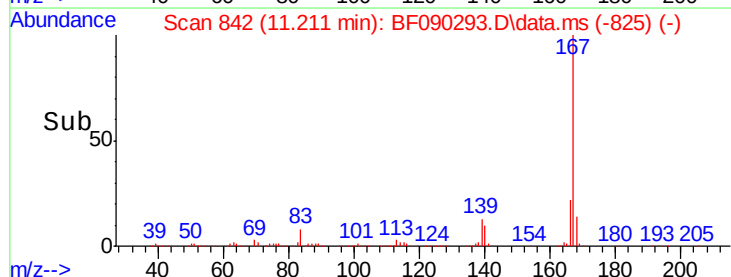
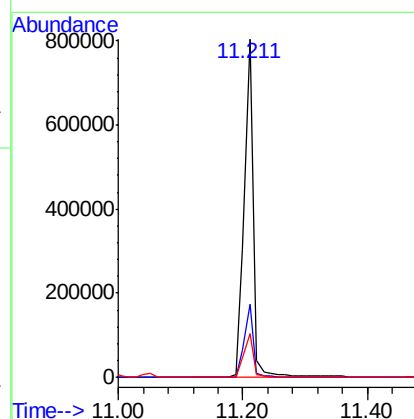
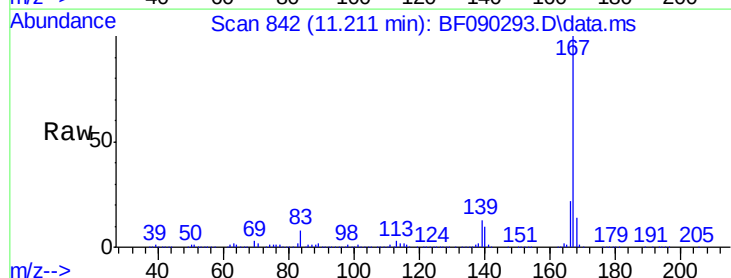
Instrument :
 BNA_F
 ClientSampleId :

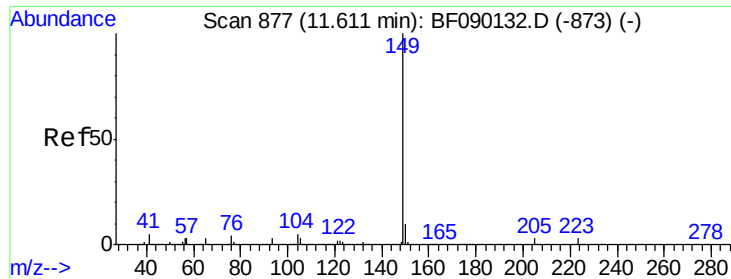
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.5	12.6	19.0



#72
 Carbazole
 Concen: 45.86 ng
 RT: 11.211 min Scan# 842
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.0	27.0
139	13.0	10.4	15.6

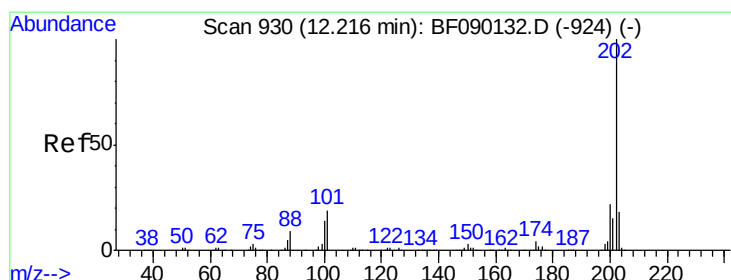
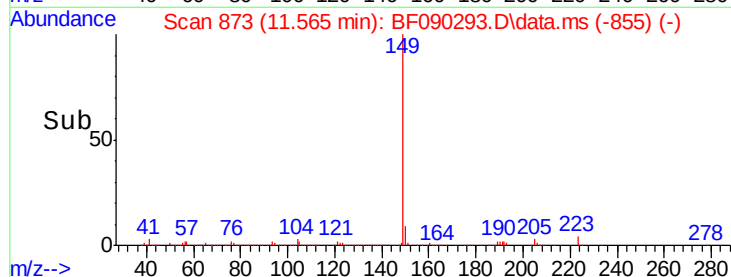
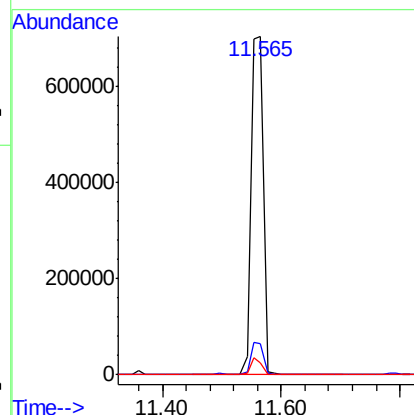
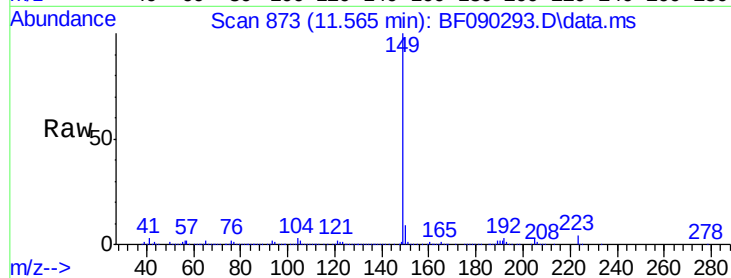




#73
Di-n-butylphthalate
Concen: 47.64 ng
RT: 11.565 min Scan# 87
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

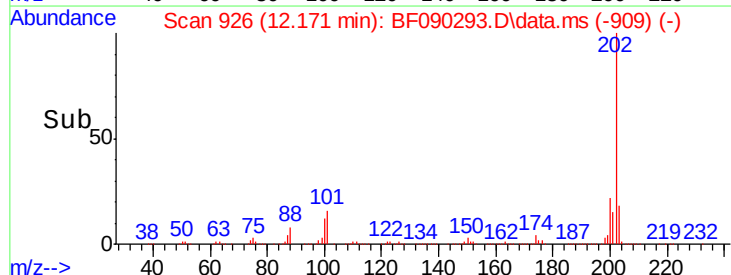
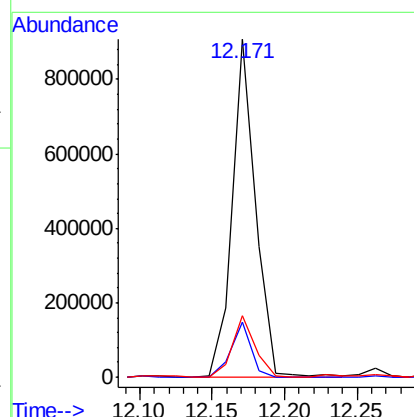
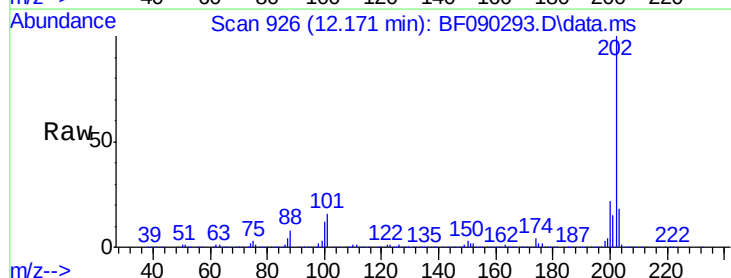
Instrument :
BNA_F
ClientSampleId :

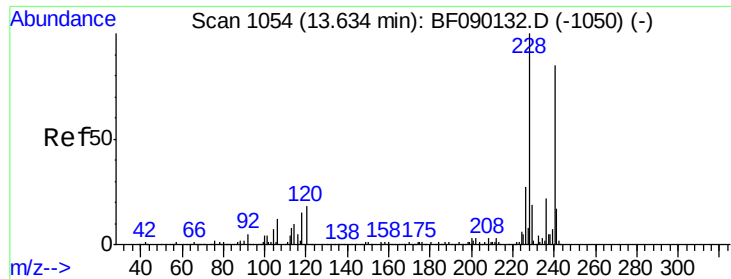
Tot Ion:149 Resp: 997477
Ion Ratio Lower Upper
149 100
150 9.0 7.8 11.8
104 3.3 3.9 5.9#



#74
Fluoranthene
Concen: 57.75 ng
RT: 12.171 min Scan# 926
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion:202 Resp: 1006704
Ion Ratio Lower Upper
202 100
101 16.2 0.0 36.1
203 18.3 0.0 38.2

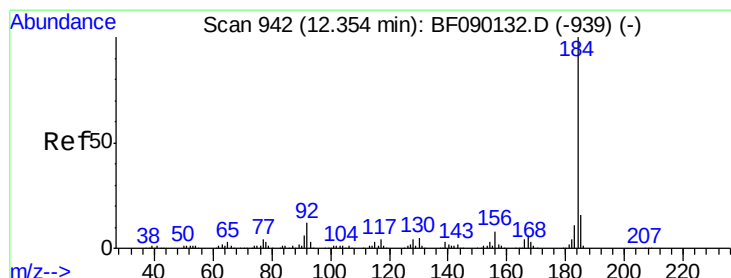
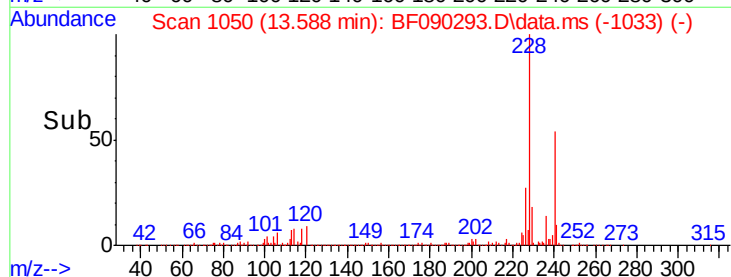
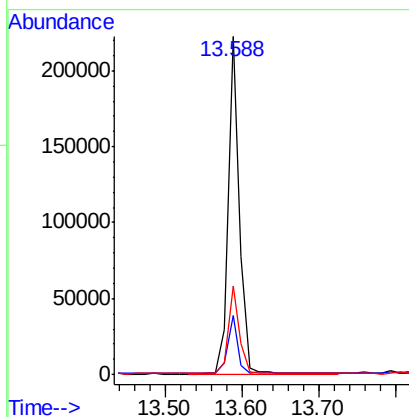
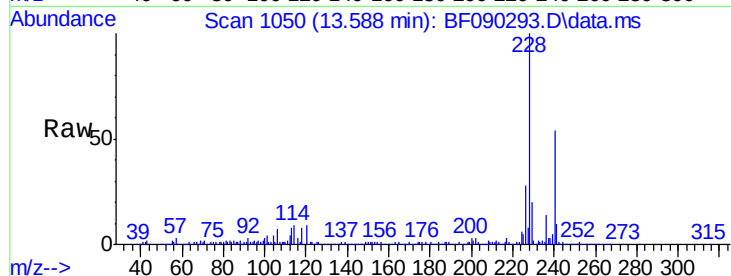




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.588 min Scan# 10
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

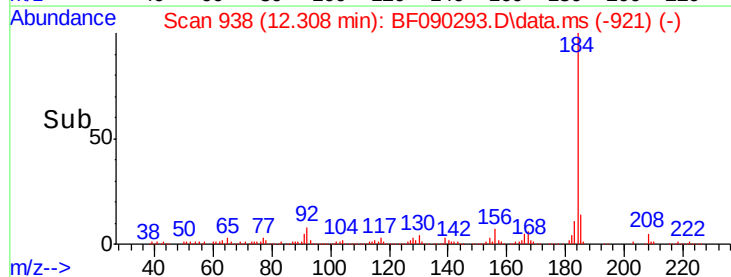
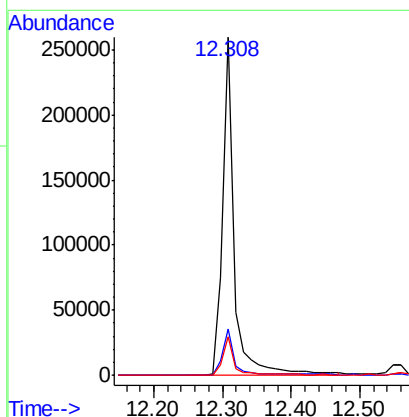
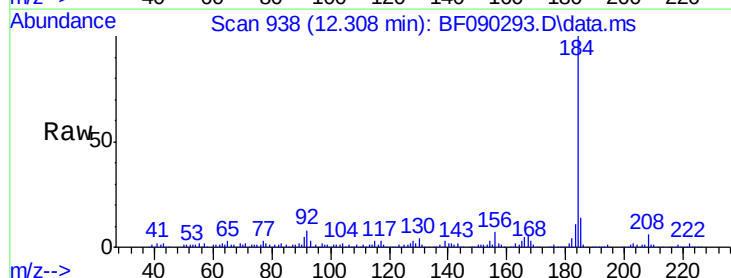
Instrument :
 BNA_F
 ClientSampleId :

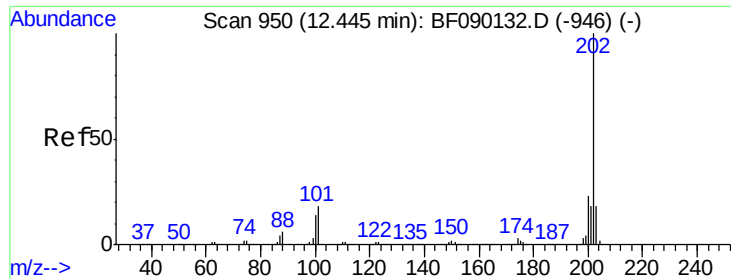
Tot Ion	Ratio	Lower	Upper
240	100		
120	17.6	10.6	16.0
236	26.3	21.6	32.4



#76
 Benzidine
 Concen: 39.90 ng
 RT: 12.308 min Scan# 938
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
184	100		
185	13.8	13.2	19.8
183	11.3	9.2	13.8

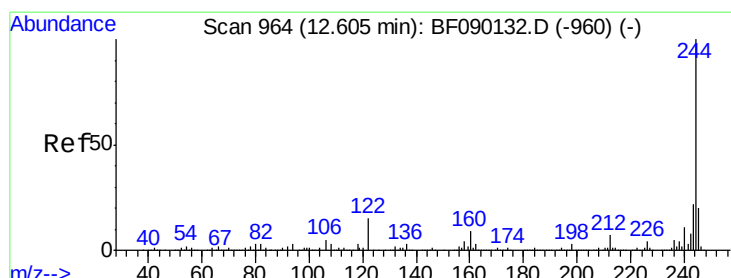
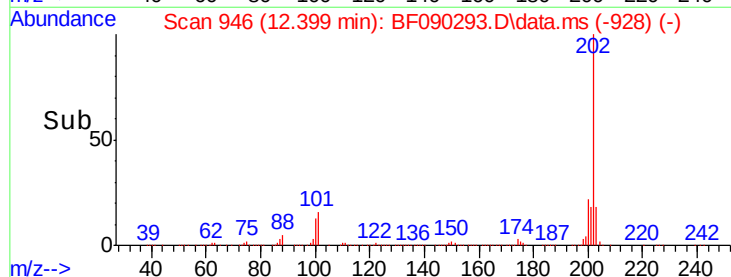
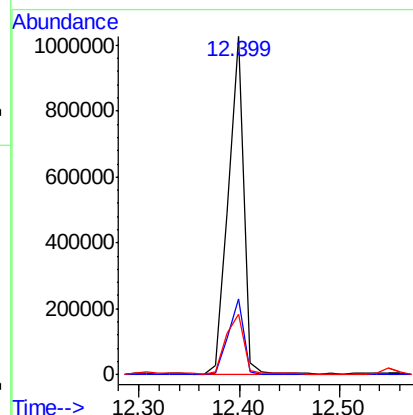
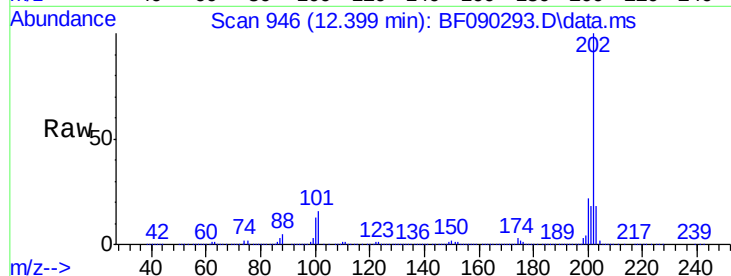




#77
Pvrene
Concen: 68.20 ng
RT: 12.399 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

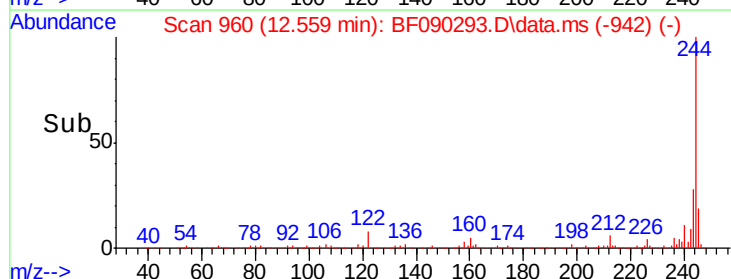
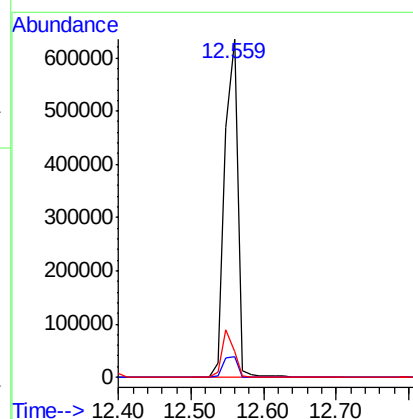
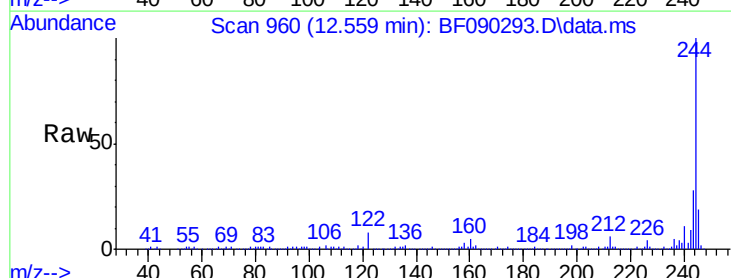
Instrument :
BNA_F
ClientSampleId :

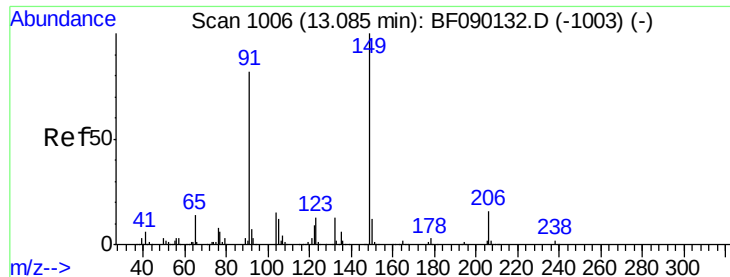
Tot Ion:202 Resp: 1088460
Ion Ratio Lower Upper
202 100
200 22.4 17.9 26.9
203 18.0 14.2 21.4



#78
Terphenyl-d14
Concen: 87.09 ng
RT: 12.559 min Scan# 960
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion:244 Resp: 800026
Ion Ratio Lower Upper
244 100
212 6.2 5.8 8.8
122 7.8 9.4 14.0#

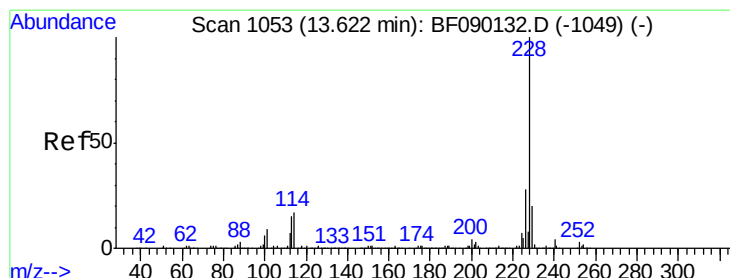
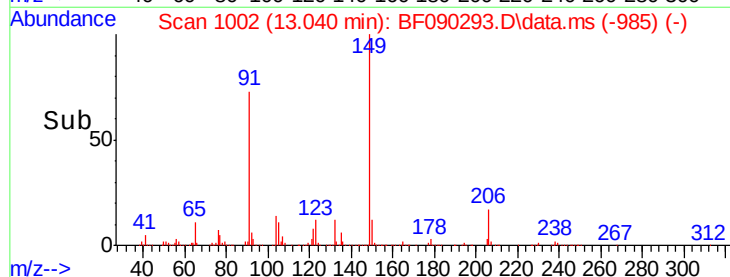
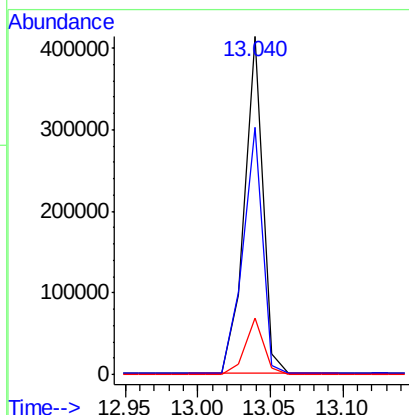
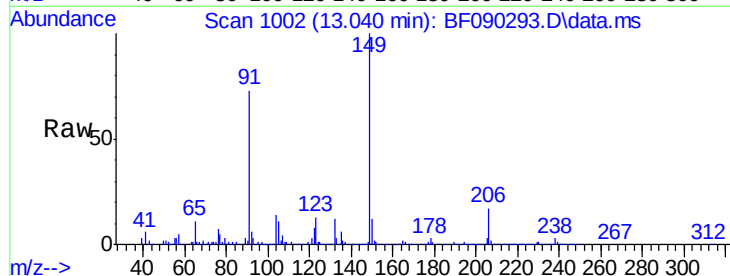




#79
Butylbenzylphthalate
Concen: 47.12 ng
RT: 13.040 min Scan# 1006
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

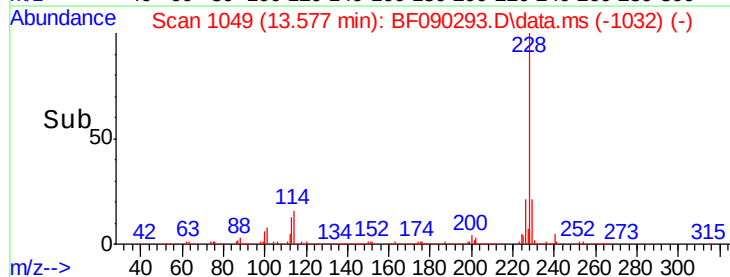
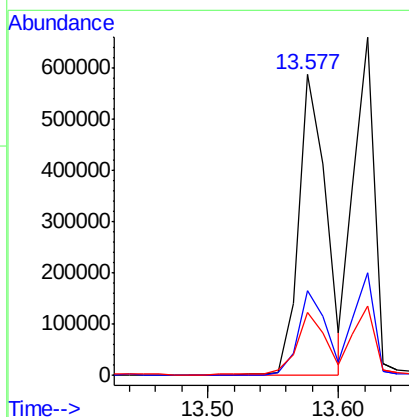
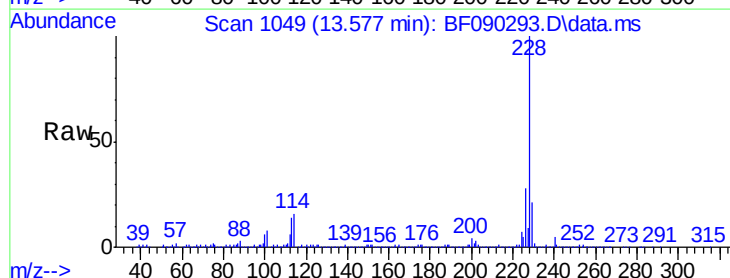
Instrument :
BNA_F
ClientSampleId :

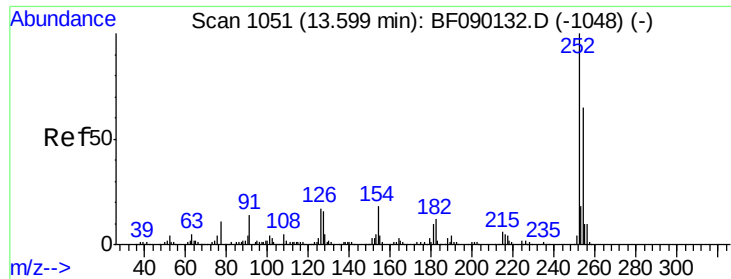
Tot Ion	Ratio	Lower	Upper
149	100		
91	73.1	49.8	74.6
206	16.9	16.3	24.5



#80
Benzo(a)anthracene
Concen: 67.29 ng
RT: 13.577 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.0	33.0
229	21.0	16.2	24.2

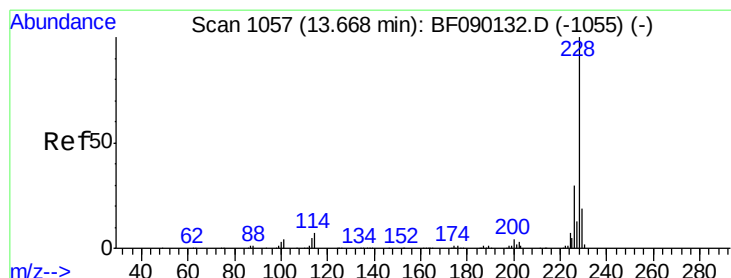
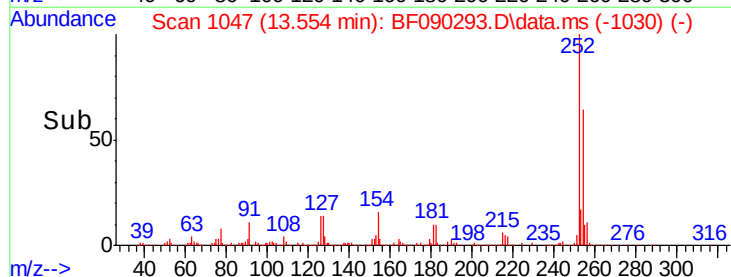
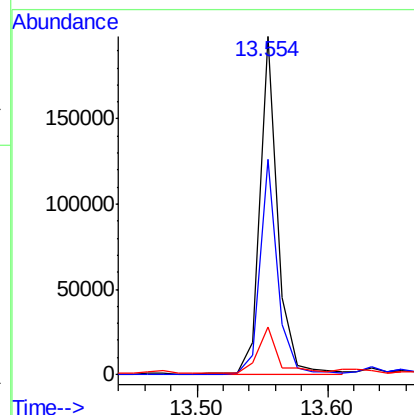
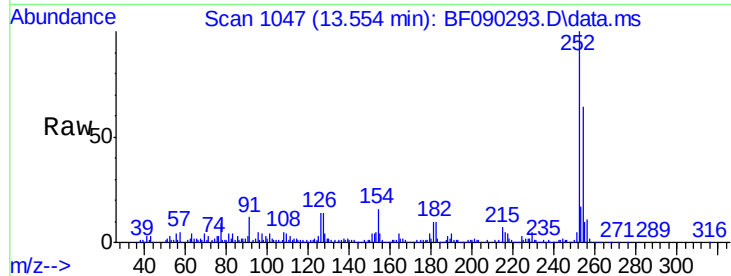




#81
 3,3'-Dichlorobenzidine
 Concen: 36.13 ng
 RT: 13.554 min Scan# 1047
 Delta R.T. -0.011 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

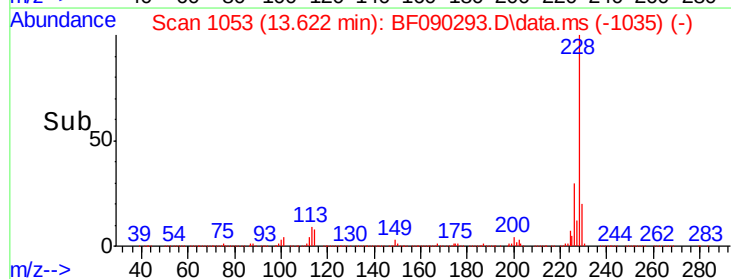
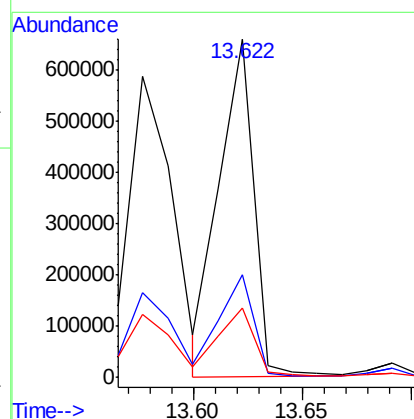
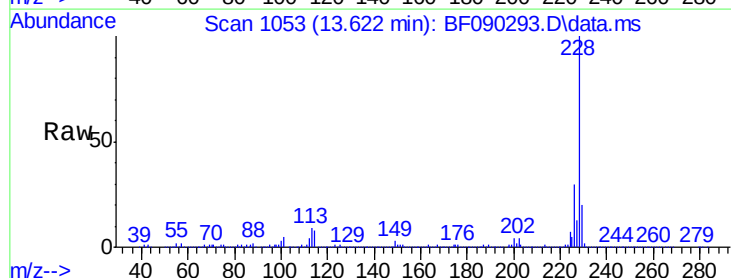
Instrument :
 BNA_F
 ClientSampleId :

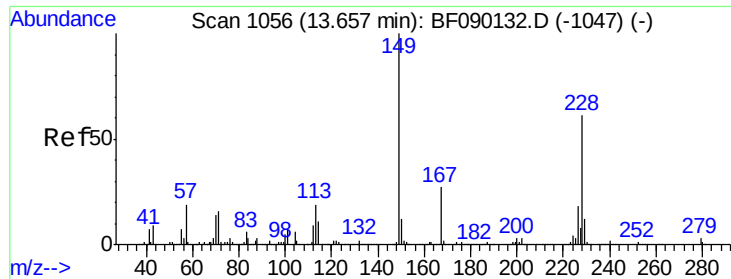
Tot Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.7	76.1
126	14.0	9.2	13.8



#82
 Chrysene
 Concen: 59.64 ng
 RT: 13.622 min Scan# 1053
 Delta R.T. 0.000 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.3	16.2	24.4

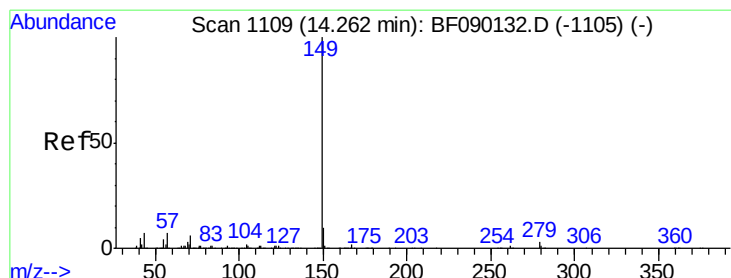
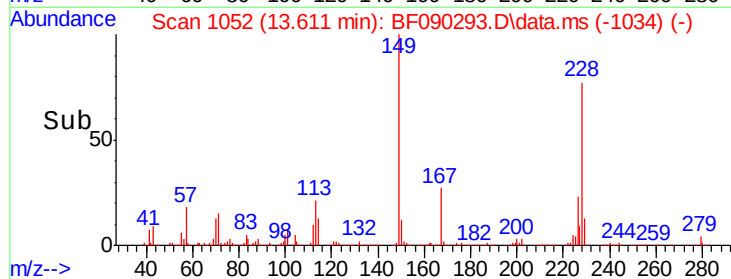
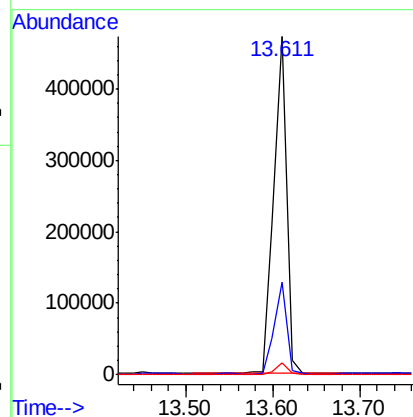
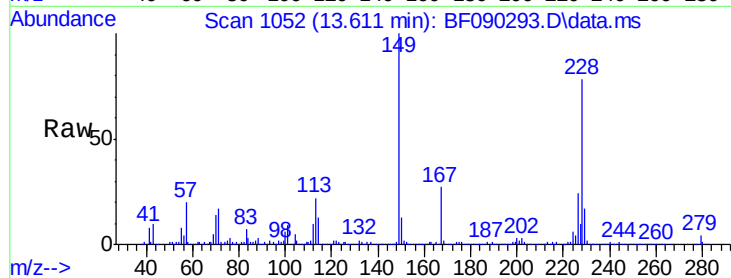




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.51 ng
 RT: 13.611 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

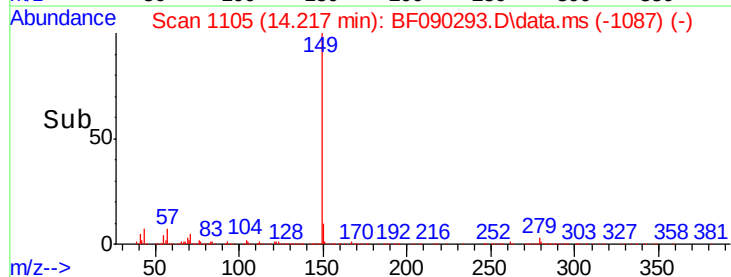
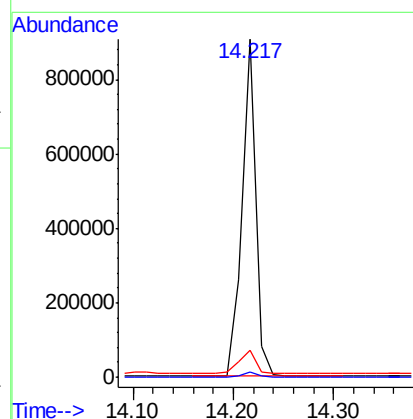
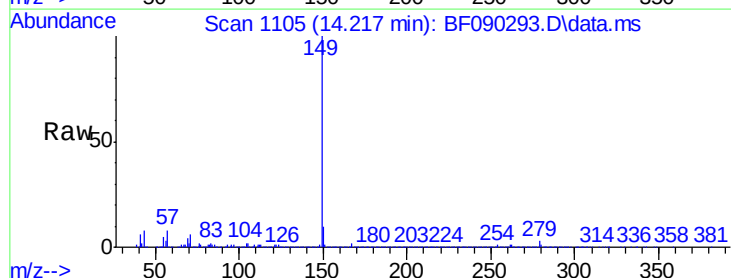
Instrument :
 BNA_F
 ClientSampleId :

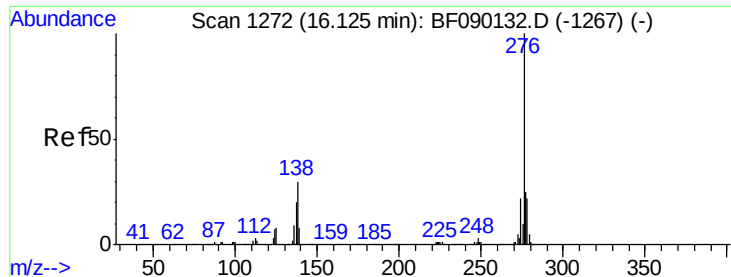
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.2	31.8
279	3.5	2.2	3.2



#84
 Di-n-octyl phthalate
 Concen: 50.12 ng
 RT: 14.217 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.3	6.8	10.2

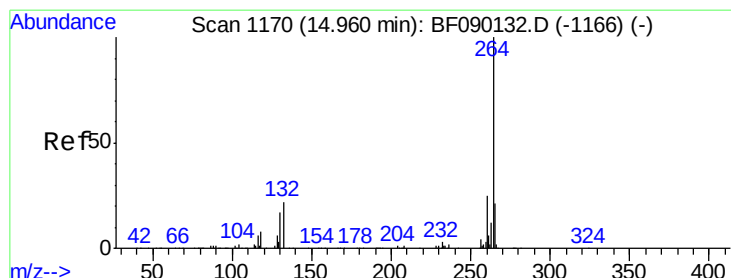
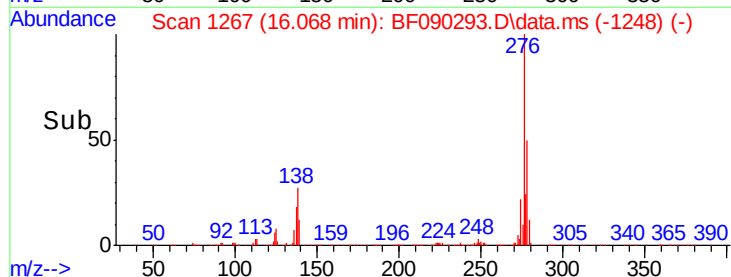
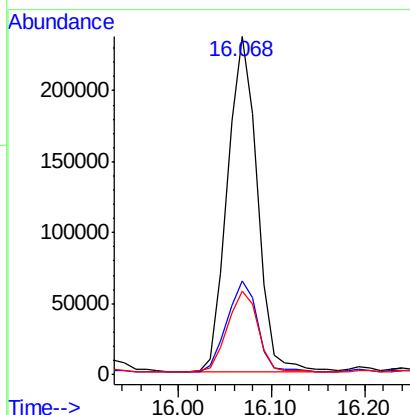
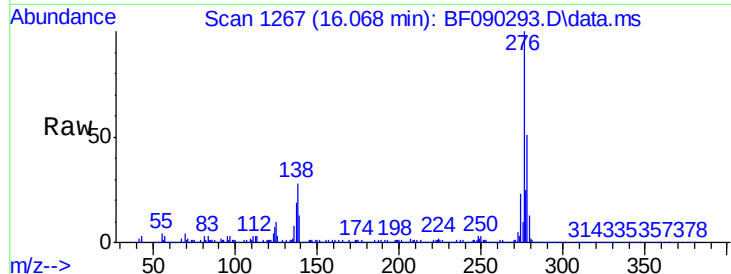




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 53.56 ng
 RT: 16.068 min Scan# 1272
 Delta R.T. 0.012 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

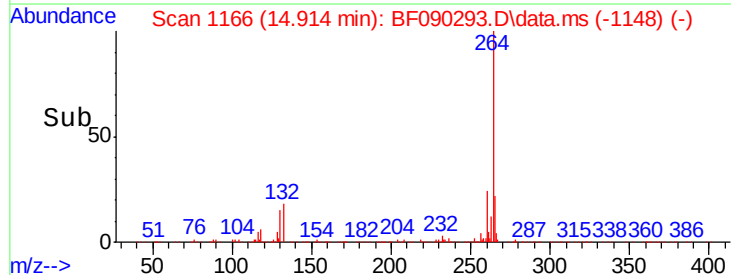
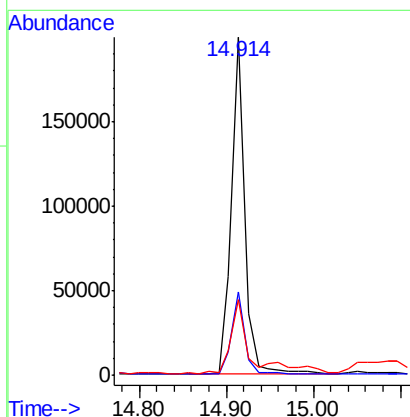
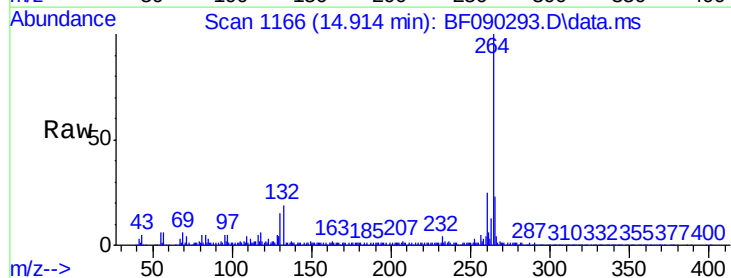
Instrument :
 BNA_F
 ClientSampleId :

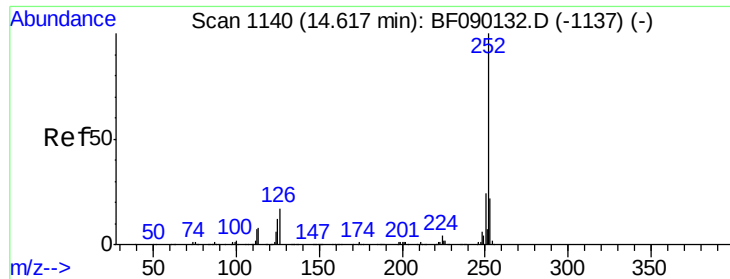
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.9	38.9
277	25.3	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.914 min Scan# 1166
 Delta R.T. 0.000 min
 Lab File: BF090293.D
 Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.5	17.0	25.4

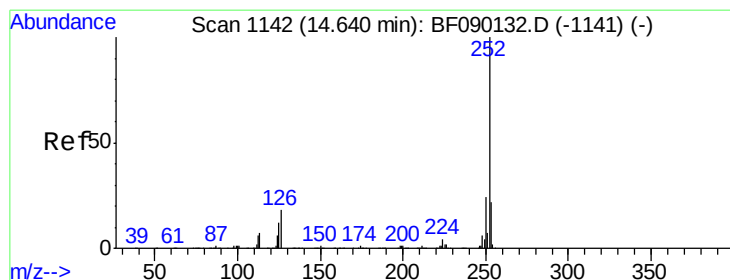
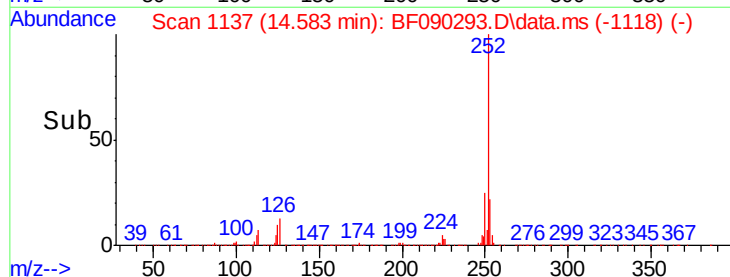
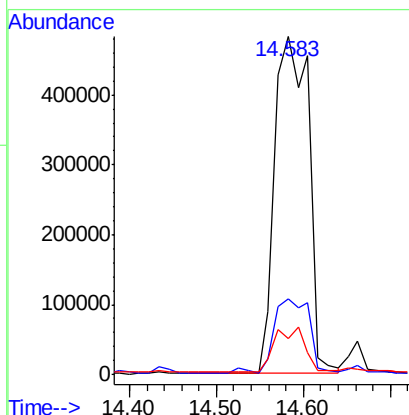
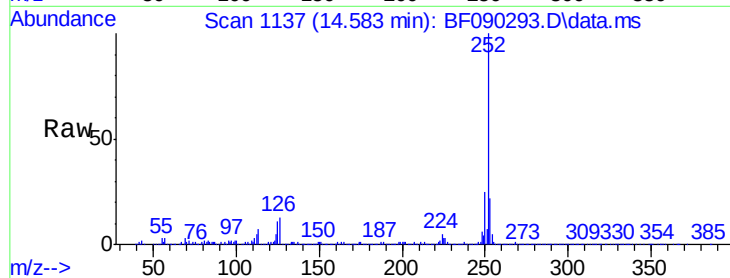




#87
Benzo(b)fluoranthene
Concen: 110.78 ng
RT: 14.583 min Scan# 111
Delta R.T. 0.012 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

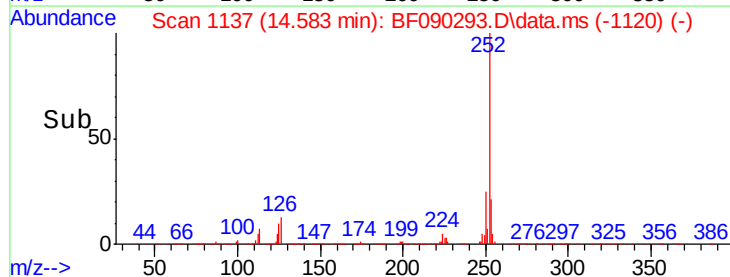
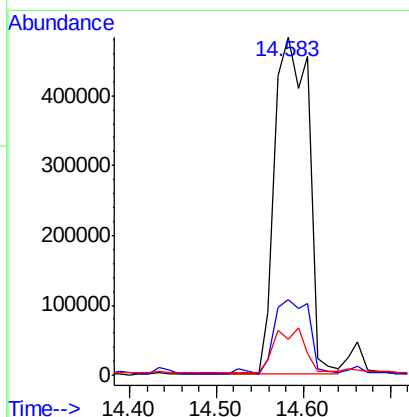
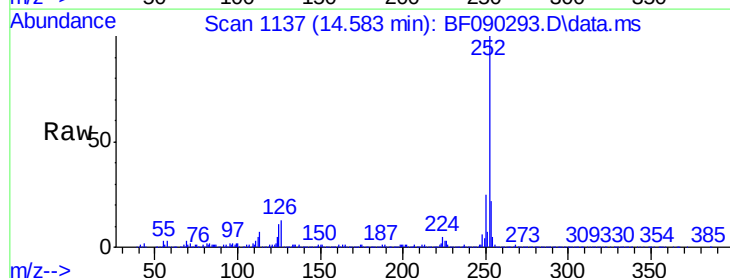
Instrument :
BNA_F
ClientSampleId :

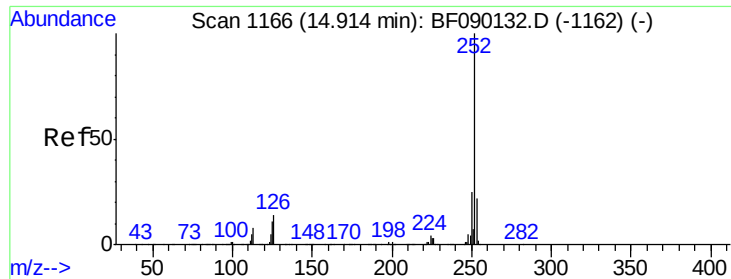
Tot Ion:252 Resp: 1308111
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 10.6 12.7 19.1#



#88
Benzo(k)fluoranthene
Concen: 118.04 ng
RT: 14.583 min Scan# 1137
Delta R.T. -0.011 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion:252 Resp: 1308111
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.6 7.8 11.6

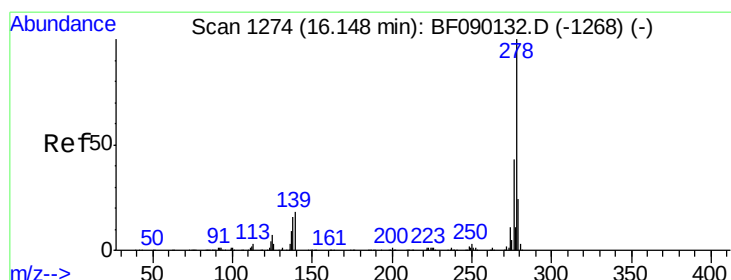
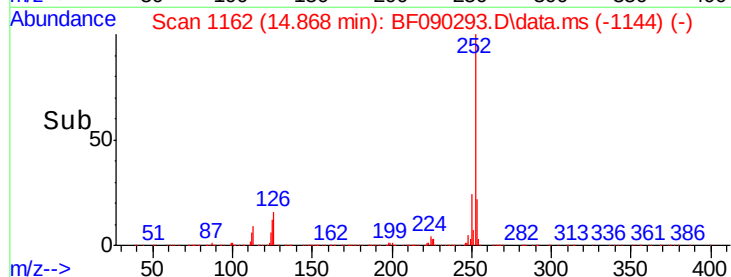
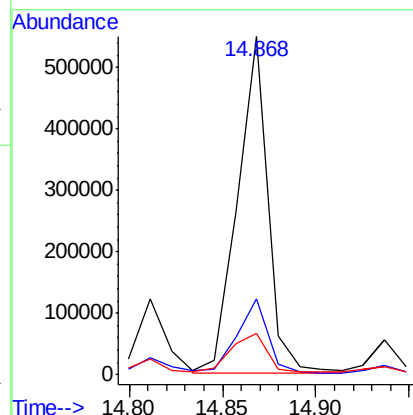
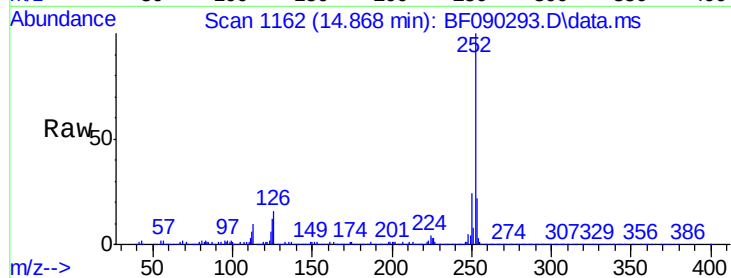




#89
Benzo(a)pyrene
Concen: 56.27 ng
RT: 14.868 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

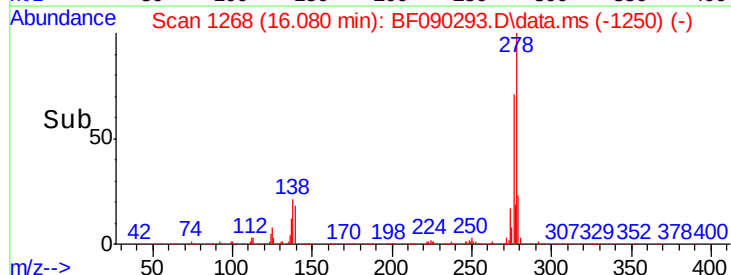
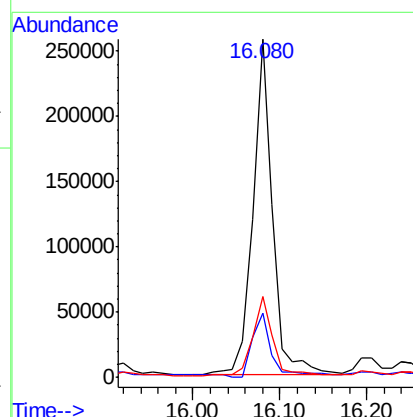
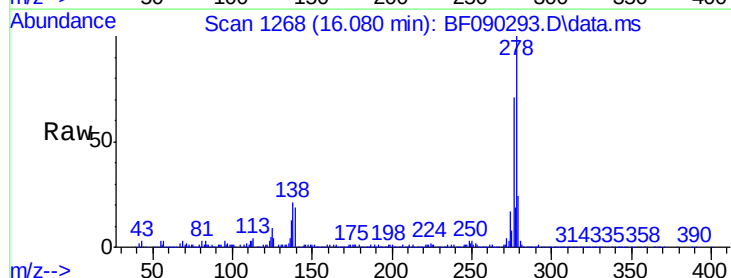
Instrument :
BNA_F
ClientSampled :

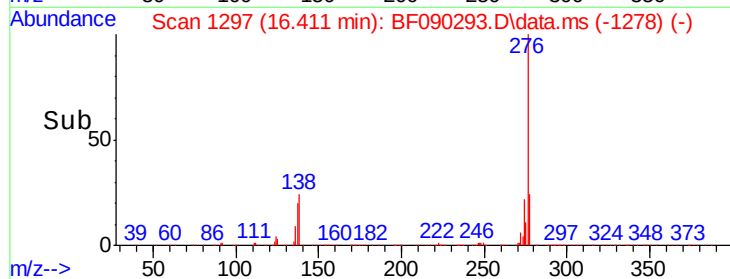
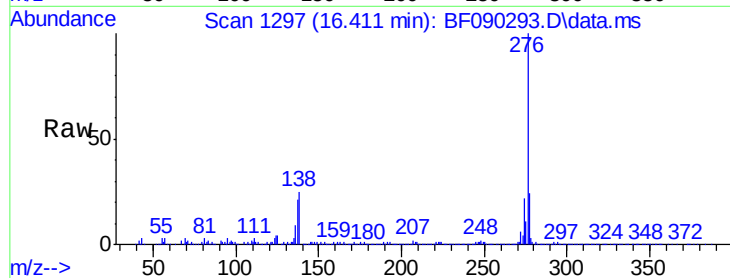
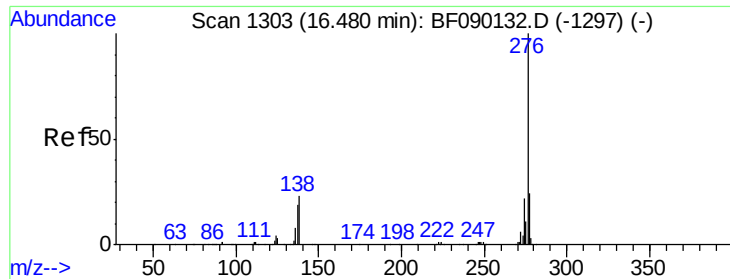
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	12.1	7.7	11.5



#90
Dibenzo(a,h)anthracene
Concen: 46.89 ng
RT: 16.080 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BF090293.D
Acq: 29 Sep 2016 16:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	14.6	21.8
279	23.9	18.8	28.2





#91

Benzo(a,h,i)perylene

Concen: 52.95 ng

RT: 16.411 min Scan# 12

Delta R.T. 0.012 min

Lab File: BF090293.D

Acq: 29 Sep 2016 16:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 449269

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 24.9 23.3 34.9

