

Data Path : Z:\HPCHEM1\BNA F\Data\BF103116\
 Data File : BF090936.D
 Acq On : 31 Oct 2016 18:55
 Operator : UM/SJ
 Sample : H5463-09MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 10:36:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 15:18:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.910	152	470279	20.00	ng	0.15
21) Naphthalene-d8	8.030	136	560267	20.00	ng	-0.02
38) Acenaphthene-d10	9.790	164	291939	20.00	ng	-0.02
63) Phenanthrene-d10	11.265	188	451764	20.00	ng	-0.02
75) Chrysene-d12	13.905	240	399599	20.00	ng	-0.02
86) Perylene-d12	15.300	264	249700	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.344	112	935772	34.79	ng	-0.01
7) Phenol-d6	6.396	99	1209757	33.34	ng	-0.02
23) Nitrobenzene-d5	7.322	82	914530	106.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.579	330	356833	118.94	ng	-0.02
44) 2-Fluorobiphenyl	9.116	172	1473149	88.61	ng	-0.02
78) Terphenyl-d14	12.854	244	1317891	83.09	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.315	88	162552	11.82	ng	87
3) Pyridine	3.001	79	482562	12.94	ng	# 74
4) n-Nitrosodimethylamine	2.955	42	163472	15.57	ng	# 67
6) Aniline	6.487	93	446785	10.78	ng	# 56
8) 2-Chlorophenol	6.533	128	451099	13.60	ng	90
11) bis(2-Chloroethyl)ether	6.487	93	447026	13.51	ng	98
12) 1,3-Dichlorobenzene	6.922	146	447221	13.18	ng	# 94
13) 1,4-Dichlorobenzene	6.922	146	453590	12.71	ng	# 93
14) 1,2-Dichlorobenzene	6.922	146	453595	13.26	ng	95
15) Benzyl Alcohol	7.013	79	232905	9.77	ng	# 7
16) 2,2'-oxybis(1-Chloropr...	7.036	45	609303	18.51	ng	76
17) 2-Methylphenol	7.173	107	445046	17.63	ng	# 71
19) n-Nitroso-di-n-propyla...	7.322	70	126208	6.02	ng	# 50
20) 3+4-Methylphenols	7.173	107	445046	15.23	ng	# 80
22) Acetophenone	7.162	105	588293	51.04	ng	# 85
24) Nitrobenzene	7.333	77	467886	51.69	ng	# 65
25) Isophorone	7.573	82	878746	50.59	ng	# 85
26) 2-Nitrophenol	7.653	139	227864	46.99	ng	# 59
27) 2,4-Dimethylphenol	7.699	122	379571	48.34	ng	# 78
28) bis(2-Chloroethoxy)met...	7.790	93	525846	53.24	ng	# 92
29) 2,4-Dichlorophenol	7.904	162	319773	43.99	ng	100
30) 1,2,4-Trichlorobenzene	7.985	180	351205	41.81	ng	99
31) Naphthalene	8.053	128	1180594	45.08	ng	98
32) Benzoic acid	7.699	122	379571	66.59	ng	# 32
33) 4-Chloroaniline	8.110	127	116035	10.97	ng	# 87
34) Hexachlorobutadiene	8.179	225	204756	41.45	ng	99
35) Caprolactam	8.476	113	63788	28.27	ng	91
36) 4-Chloro-3-methylphenol	8.602	107	377094	47.70	ng	# 77
37) 2-Methylnaphthalene	8.750	142	825980	48.83	ng	# 90
39) 1,2,4,5-Tetrachloroben...	8.922	216	334754	41.80	ng	99
40) Hexachlorocyclopentadiene	8.899	237	250301	67.93	ng	95
42) 2,4,6-Trichlorophenol	9.036	196	218913	42.34	ng	97
43) 2,4,5-Trichlorophenol	9.070	196	224387	42.14	ng	# 79
45) 1,1'-Biphenyl	9.219	154	938780	44.64	ng	96

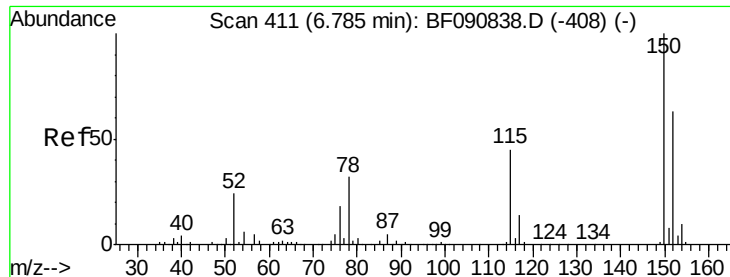
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 2-Chloronaphthalene	9.242	162	739811	46.25	nq	98
47) 2-Nitroaniline	9.333	65	250740	55.55	nq	# 62
48) Acenaphthylene	9.653	152	1168062	48.23	nq	97
49) Dimethylphthalate	9.516	163	1059243	54.31	nq	# 96
50) 2,6-Dinitrotoluene	9.585	165	197571	45.86	nq	# 93
51) Acenaphthene	9.825	154	724508	43.43	nq	89
52) 3-Nitroaniline	9.745	138	101708	22.18	nq	# 56
53) 2,4-Dinitrophenol	9.859	184	24085	10.62	nq	# 44
54) Dibenzofuran	9.996	168	1052565	48.90	nq	# 88
55) 4-Nitrophenol	9.928	139	261383	93.46	nq	# 78
56) 2,4-Dinitrotoluene	9.985	165	266727	49.84	nq	# 74
57) Fluorene	10.339	166	841287	47.71	nq	92
58) 2,3,4,6-Tetrachlorophenol	10.122	232	172380	36.25	nq	94
59) Diethylphthalate	10.213	149	837147	43.21	nq	95
60) 4-Chlorophenyl-phenyle...	10.328	204	359591	41.78	nq	# 80
61) 4-Nitroaniline	10.362	138	206947	45.56	nq	# 49
62) Azobenzene	10.488	77	1022736	53.68	nq	84
64) 4,6-Dinitro-2-methylph...	10.396	198	60230	20.11	nq	# 73
65) n-Nitrosodiphenylamine	10.453	169	727025	52.54	nq	90
66) 4-Bromophenyl-phenylether	10.819	248	228325	46.15	nq	99
67) Hexachlorobenzene	10.888	284	257285	43.94	nq	# 80
68) Atrazine	10.979	200	193535	45.21	nq	84
69) Pentachlorophenol	11.082	266	188732	60.09	nq	98
70) Phenanthrene	11.288	178	1122722	48.80	nq	96
71) Anthracene	11.345	178	1197717	49.44	nq	97
72) Carbazole	11.505	167	1118134	52.27	nq	94
73) Di-n-butylphthalate	11.836	149	1234254	44.76	nq	# 97
74) Fluoranthene	12.476	202	1096527	43.52	nq	96
76) Benzidine	12.602	184	219146	25.12	nq	98
77) Pyrene	12.705	202	1118665	44.24	nq	96
79) Butylbenzylphthalate	13.334	149	577899	50.37	nq	94
80) Benzo(a)anthracene	13.894	228	984478	46.42	nq	96
81) 3,3'-Dichlorobenzidine	13.859	252	151760	18.43	nq	# 95
82) Chrysene	13.894	228	984478	45.90	nq	97
83) Bis(2-ethylhexyl)phtha...	13.894	149	741312	49.61	nq	# 93
84) Di-n-octyl phthalate	14.499	149	1097866	43.76	nq	# 93
85) Indeno(1,2,3-cd)pyrene	16.637	276	711584	37.43	nq	# 95
87) Benzo(b)fluoranthene	14.934	252	1412082	84.10	nq	# 90
88) Benzo(k)fluoranthene	14.934	252	1413186	106.50	nq	# 91
89) Benzo(a)pyrene	15.242	252	627733	43.51	nq	# 90
90) Dibenzo(a,h)anthracene	16.648	278	617756	50.58	nq	# 86
91) Benzo(g,h,i)perylene	17.037	276	590853	51.37	nq	# 84

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.910 min Scan# 42

Delta R.T. 0.149 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

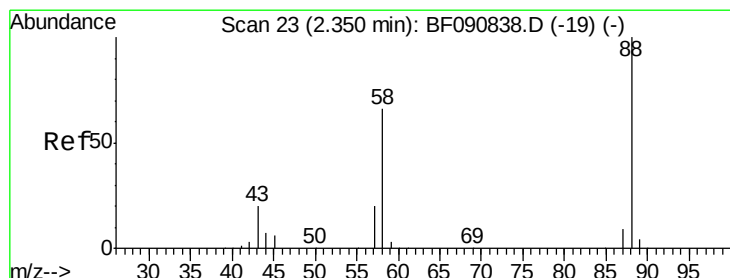
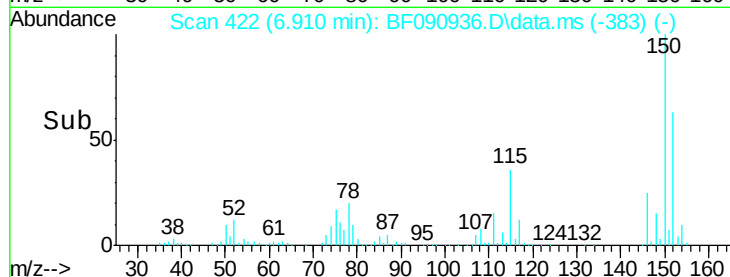
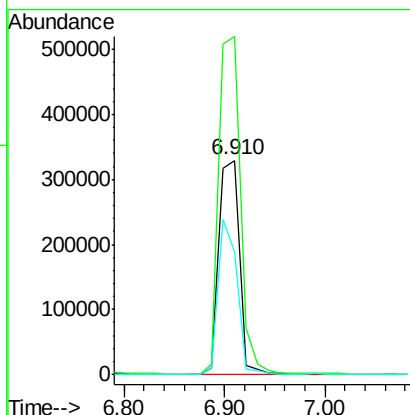
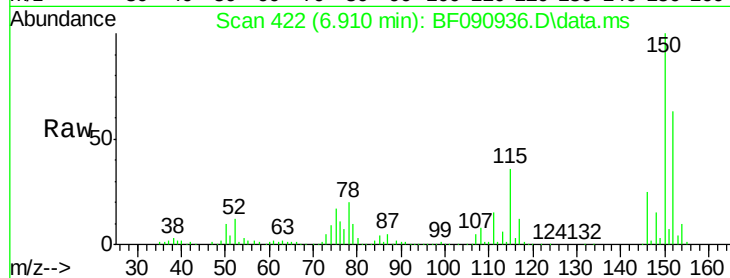
Tot Ion:152 Resp: 470279

Ion Ratio Lower Upper

152 100

150 157.9 124.7 187.1

115 57.3 39.0 58.4



#2

1,4-Dioxane

Concen: 11.82 ng

RT: 2.315 min Scan# 20

Delta R.T. 0.034 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

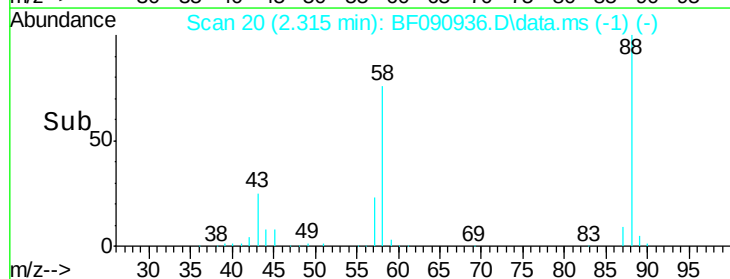
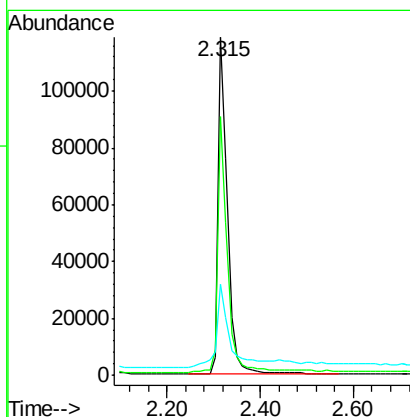
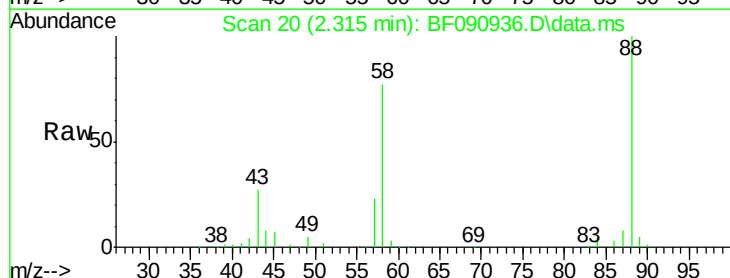
Tgt Ion: 88 Resp: 162552

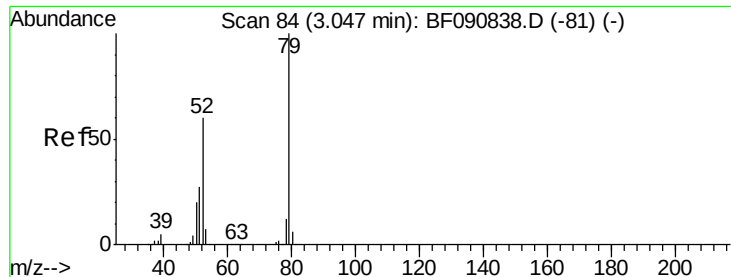
Ion Ratio Lower Upper

88 100

58 82.6 77.7 116.5

43 36.7 26.6 40.0





#3

Pvridine

Concen: 12.94 ng

RT: 3.001 min Scan# 80

Delta R.T. 0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

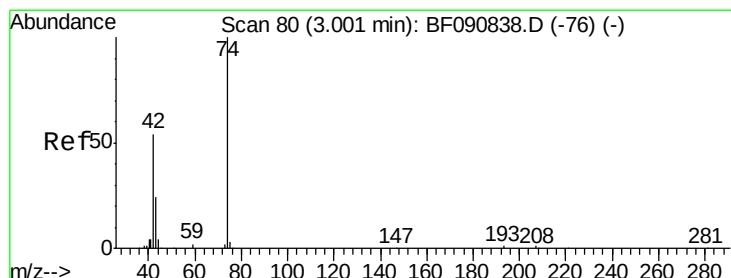
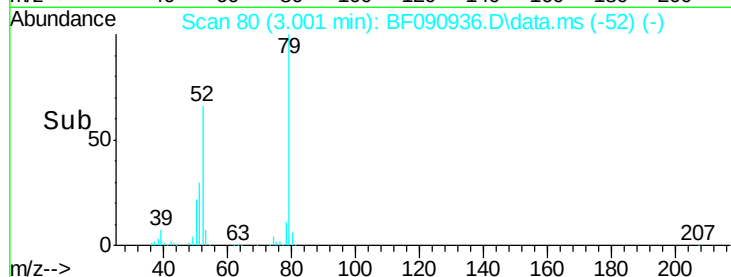
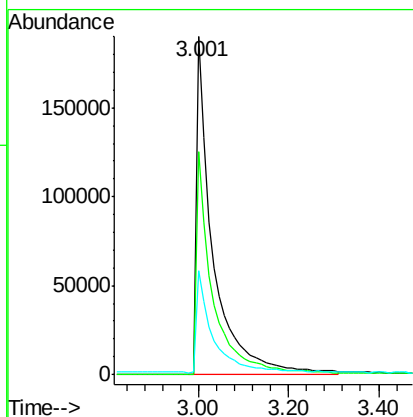
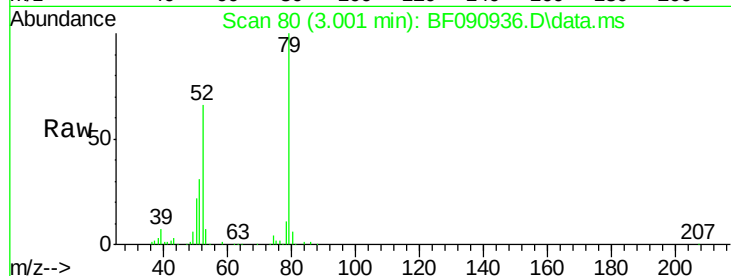
Tot Ion: 79 Resp: 482562

Ion Ratio Lower Upper

79 100

52 66.1 76.8 115.2#

51 30.8 32.2 48.4#



#4

n-Nitrosodimethylamine

Concen: 15.57 ng

RT: 2.955 min Scan# 76

Delta R.T. 0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

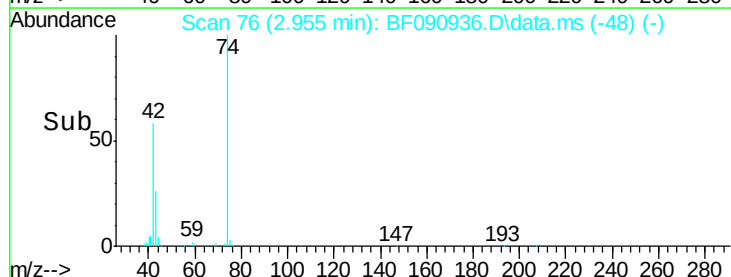
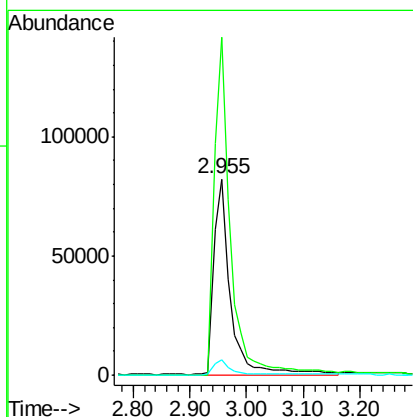
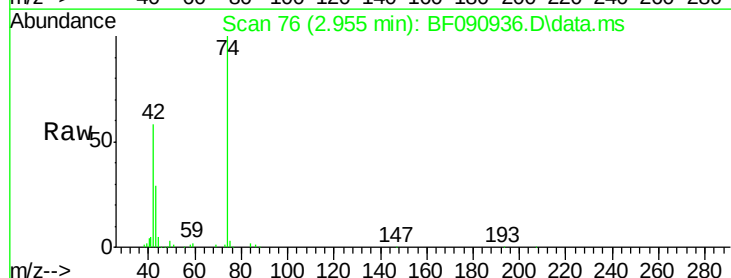
Tgt Ion: 42 Resp: 163472

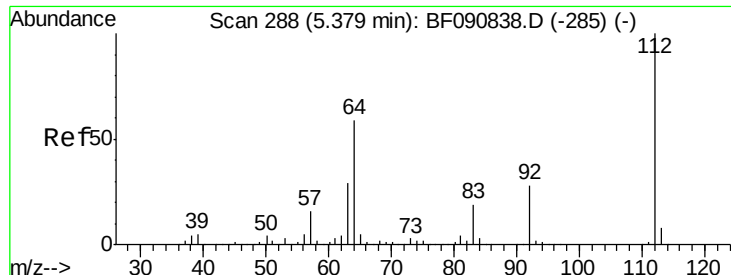
Ion Ratio Lower Upper

42 100

74 172.1 105.0 157.6#

44 8.1 6.6 10.0





#5

2-Fluorophenol

Concen: 34.79 ng

RT: 5.344 min Scan# 28

Delta R.T. -0.011 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

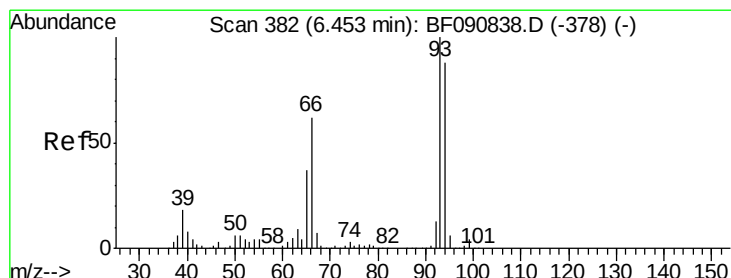
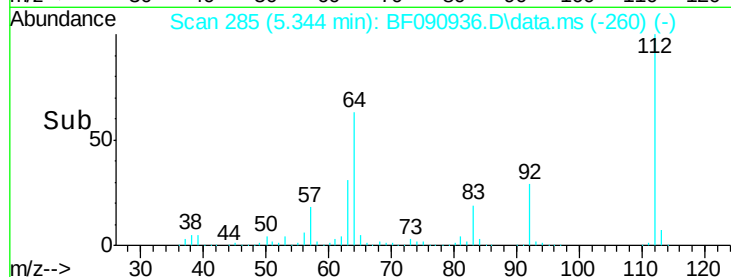
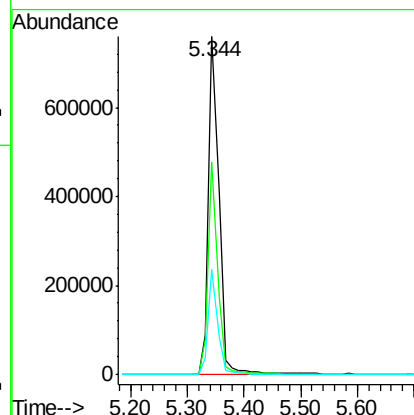
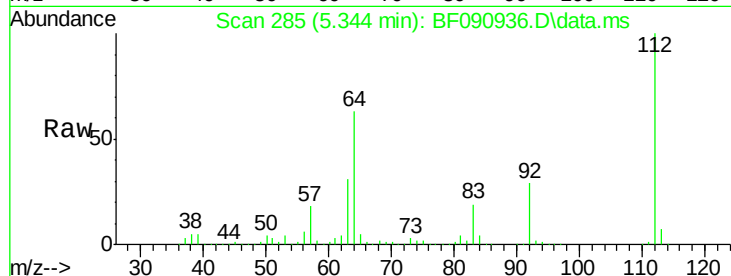
Tot Ion:112 Resp: 935772

Ion Ratio Lower Upper

112 100

64 63.1 39.7 59.5#

63 30.9 17.4 26.0#



#6

Aniline

Concen: 10.78 ng

RT: 6.487 min Scan# 385

Delta R.T. 0.057 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

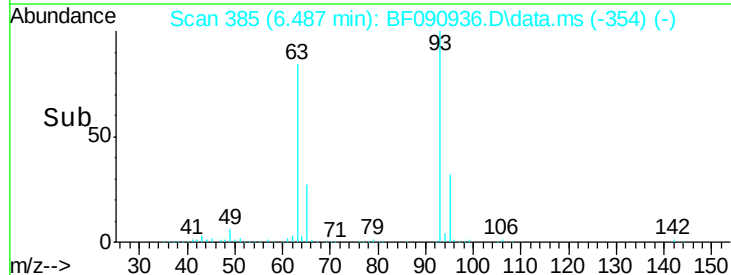
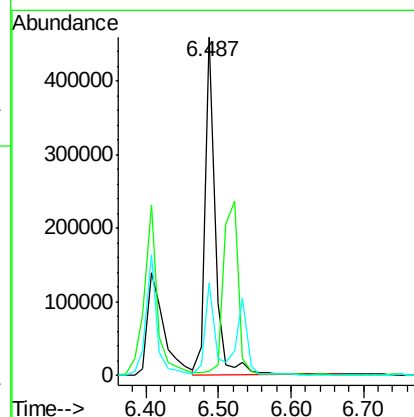
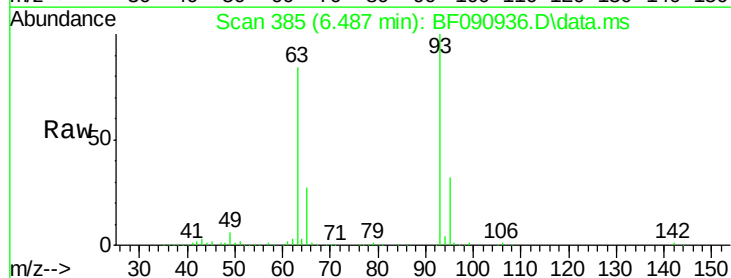
Tgt Ion: 93 Resp: 446785

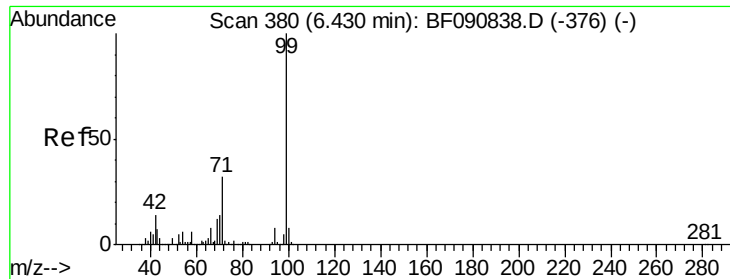
Ion Ratio Lower Upper

93 100

66 1.1 27.2 40.8#

65 27.5 14.7 22.1#





#7

Phenol-d6

Concen: 33.34 ng

RT: 6.396 min Scan# 37

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

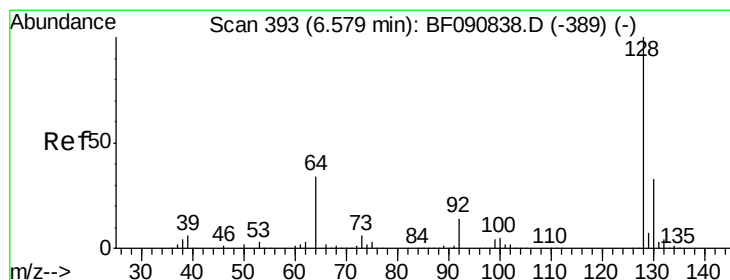
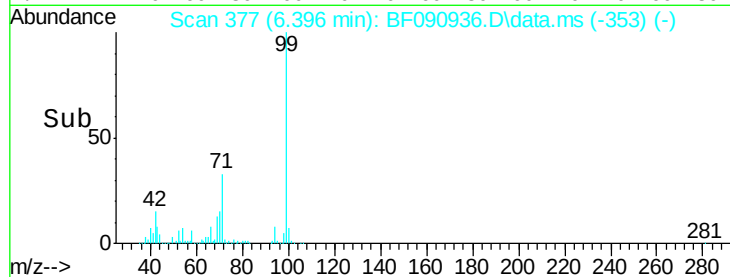
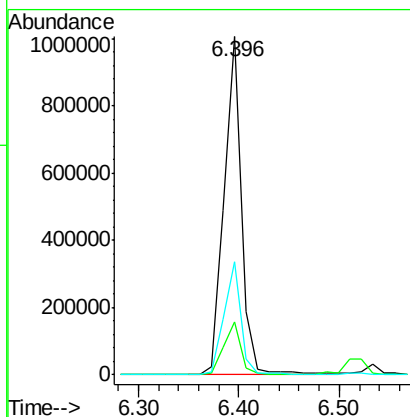
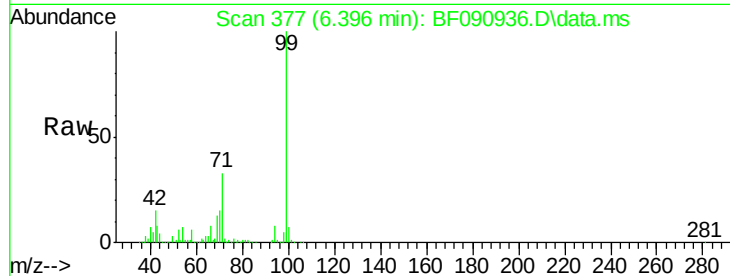
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1209757

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.7	20.5
71	33.3	14.2	21.2#



#8

2-Chlorophenol

Concen: 13.60 ng

RT: 6.533 min Scan# 389

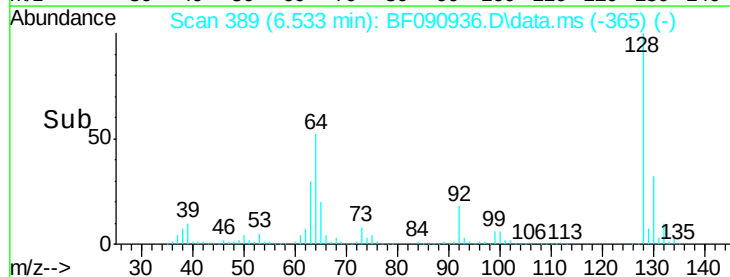
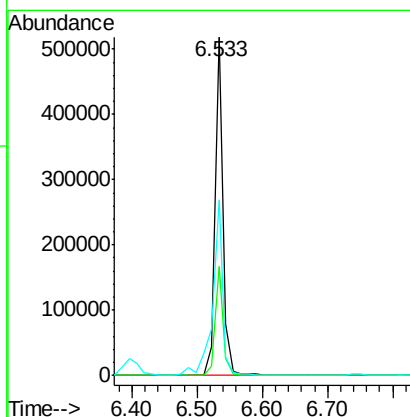
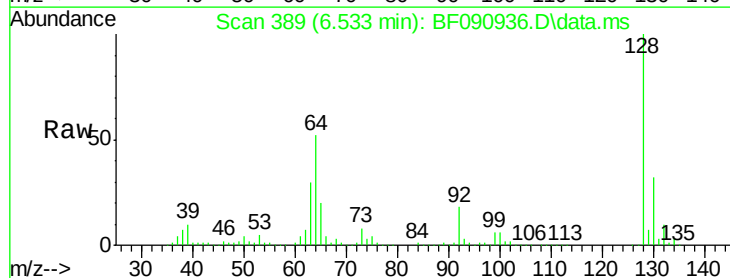
Delta R.T. -0.023 min

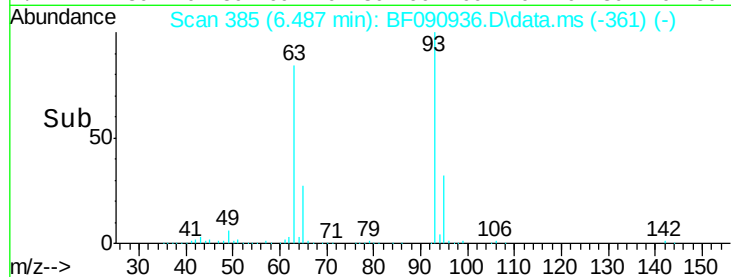
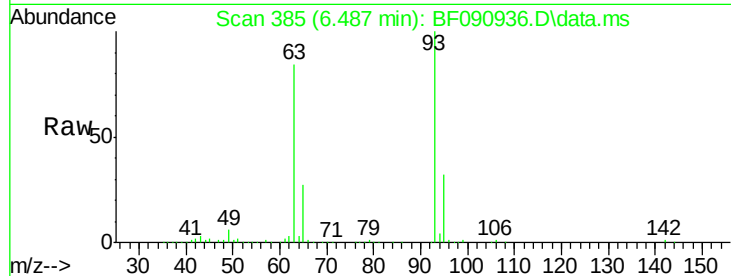
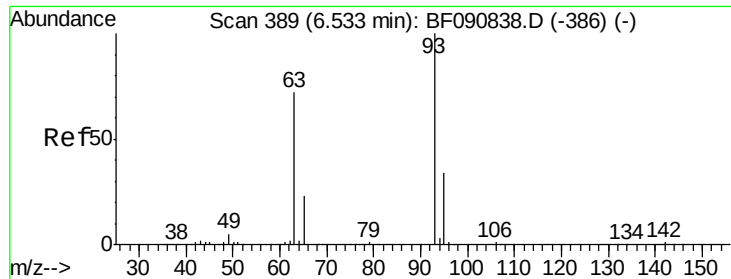
Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion: 128 Resp: 451099

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.2	52.2
64	51.9	20.5	60.5

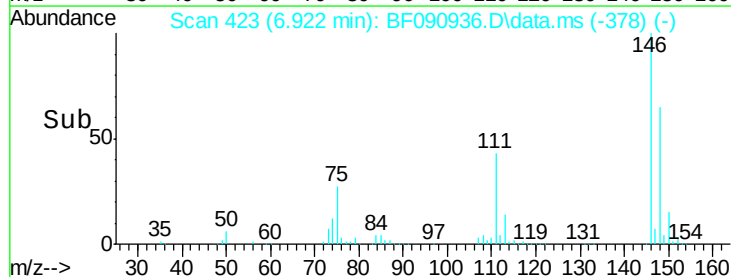
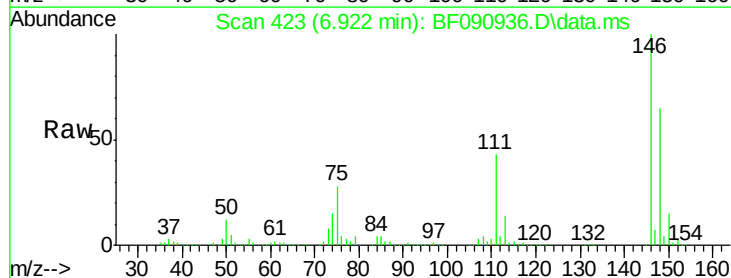
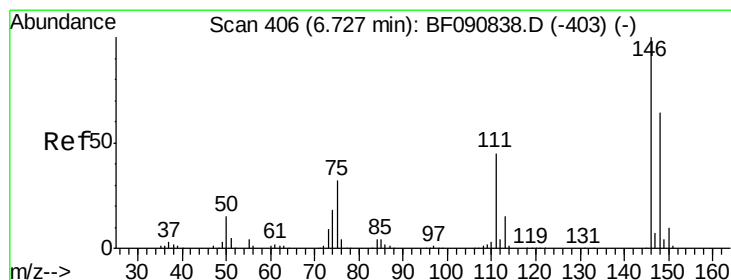
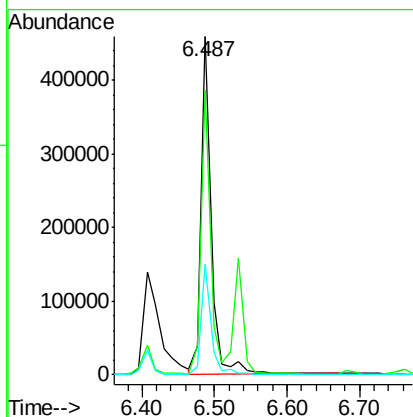




#11
bis(2-Chloroethyl)ether
Concen: 13.51 ng
RT: 6.487 min Scan# 38
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

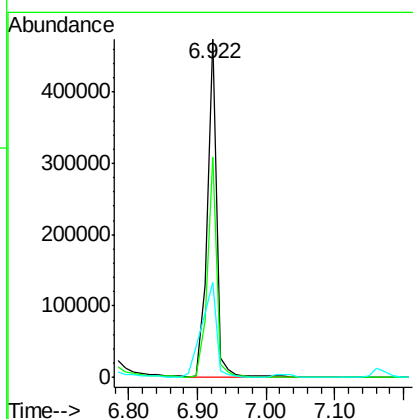
Instrument :
BNA_F
ClientSampleId :

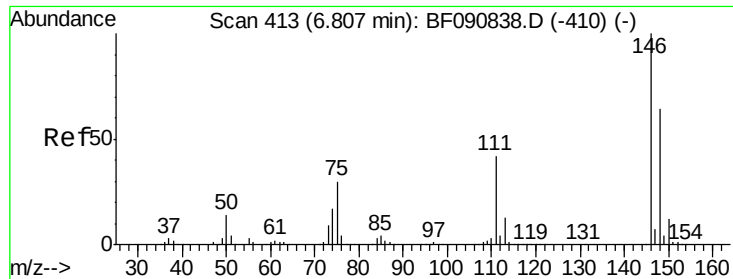
Tot Ion	Ratio	Lower	Upper
93	100		
63	84.2	65.6	105.6
95	32.4	13.6	53.6



#12
1,3-Dichlorobenzene
Concen: 13.18 ng
RT: 6.922 min Scan# 423
Delta R.T. 0.217 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.4
75	28.2	15.0	22.6

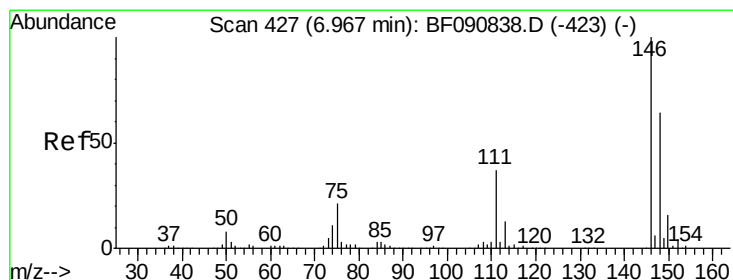
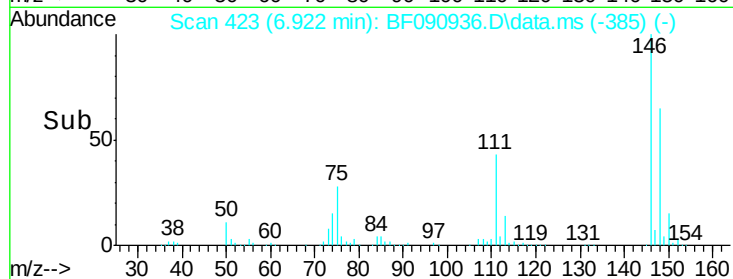
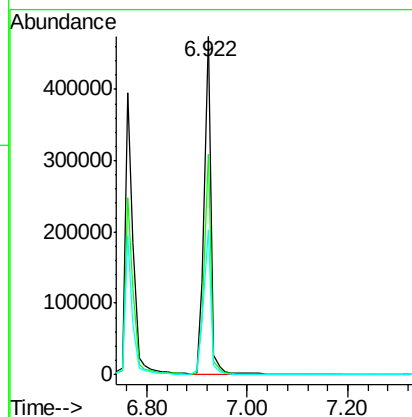
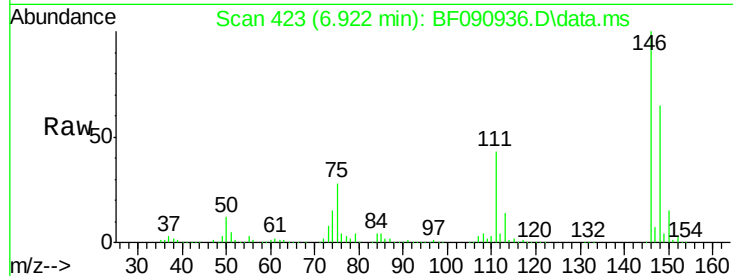




#13
 1,4-Dichlorobenzene
 Concen: 12.71 ng
 RT: 6.922 min Scan# 42
 Delta R.T. 0.137 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

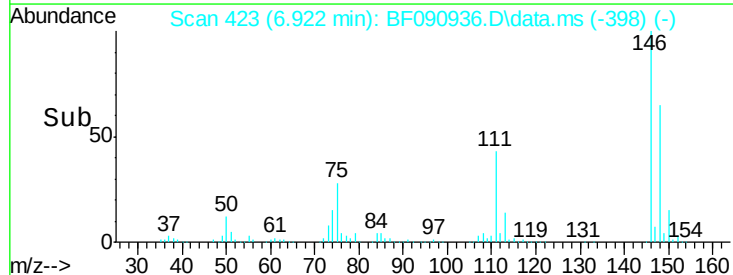
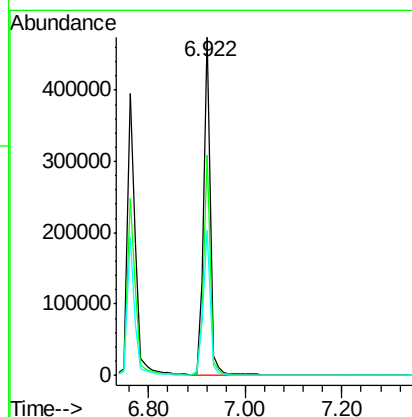
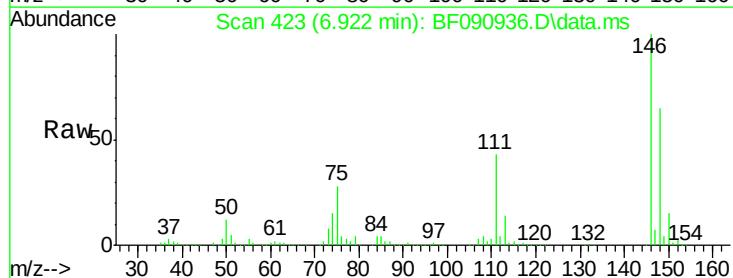
Instrument :
 BNA_F
 ClientSampleId :

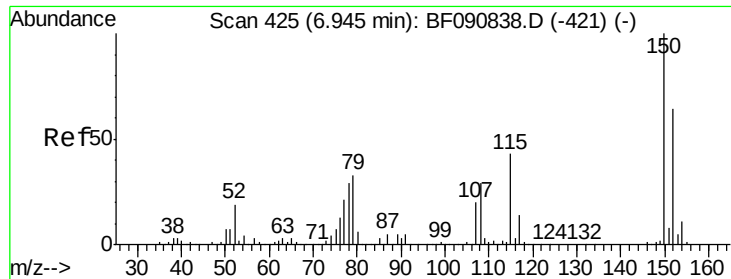
Tot Ion:146 Resp: 453590
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.8 77.6
 111 43.0 24.9 37.3#



#14
 1,2-Dichlorobenzene
 Concen: 13.26 ng
 RT: 6.922 min Scan# 423
 Delta R.T. -0.011 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

Tgt Ion:146 Resp: 453595
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.7 79.1
 111 43.0 28.8 43.2





#15

Benzyl Alcohol

Concen: 9.77 ng

RT: 7.013 min Scan# 431

Delta R.T. 0.092 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampled :

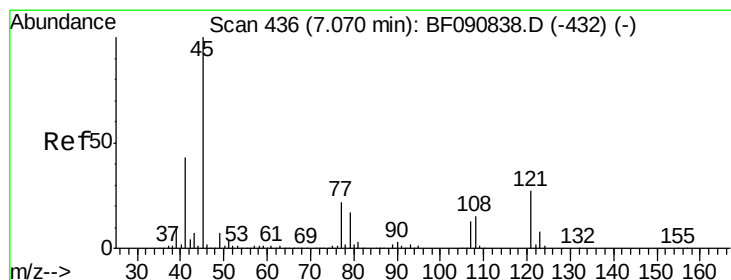
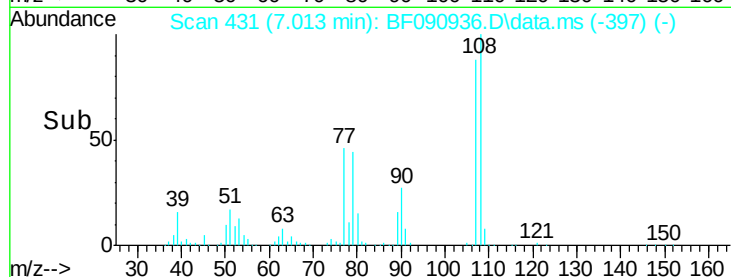
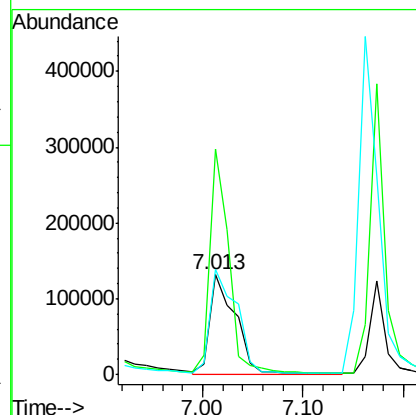
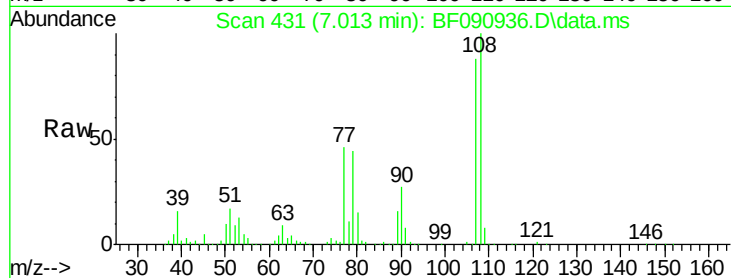
Tot Ion: 79 Resp: 232905

Ion Ratio Lower Upper

79 100

108 225.9 88.6 132.8#

77 105.1 47.0 70.4#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 18.51 ng

RT: 7.036 min Scan# 433

Delta R.T. -0.011 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

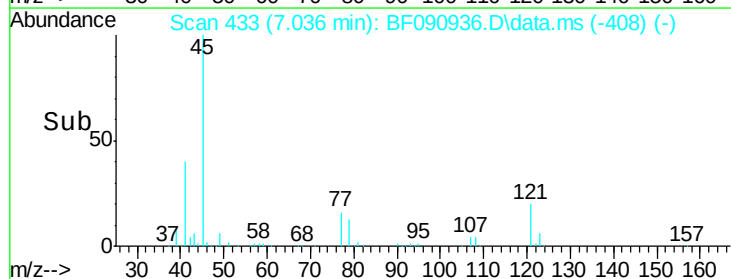
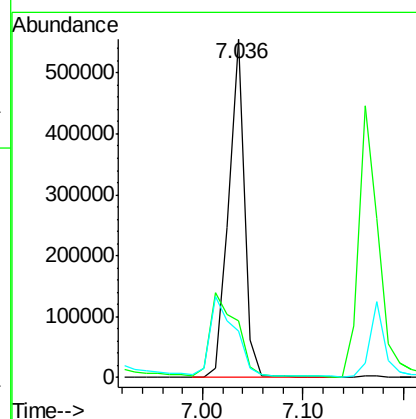
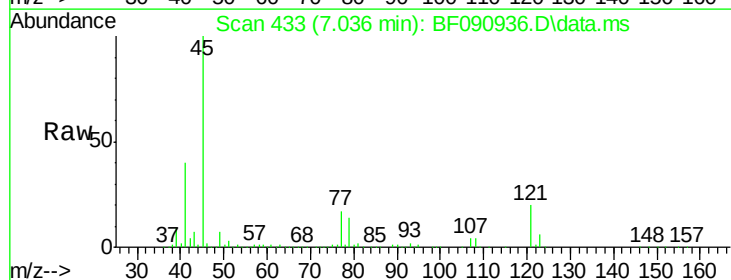
Tgt Ion: 45 Resp: 609303

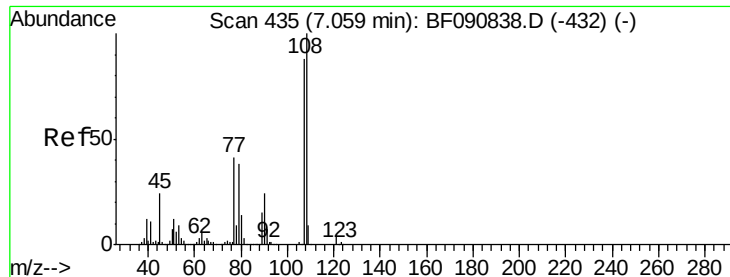
Ion Ratio Lower Upper

45 100

77 16.7 0.0 28.1

79 13.7 0.0 26.0

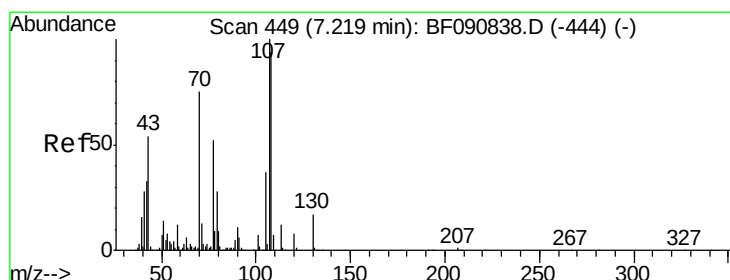
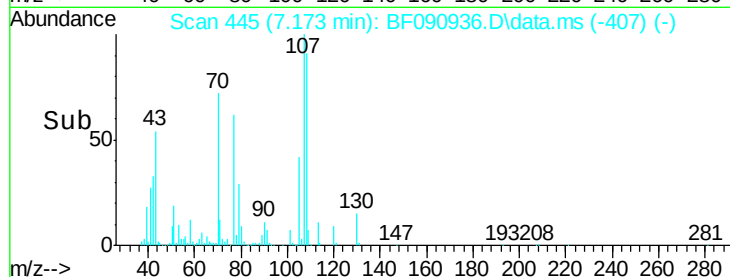
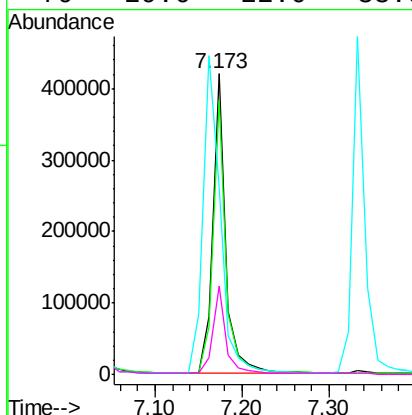
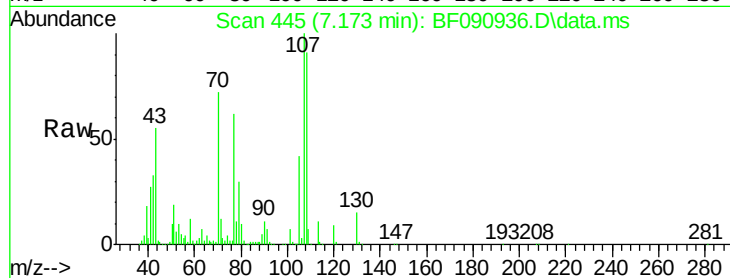




#17
2-Methylphenol
Concen: 17.63 ng
RT: 7.173 min Scan# 44
Delta R.T. 0.137 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

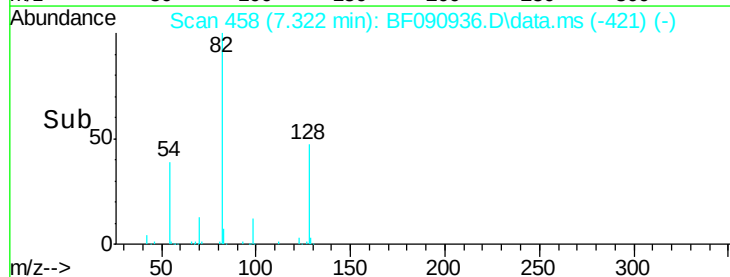
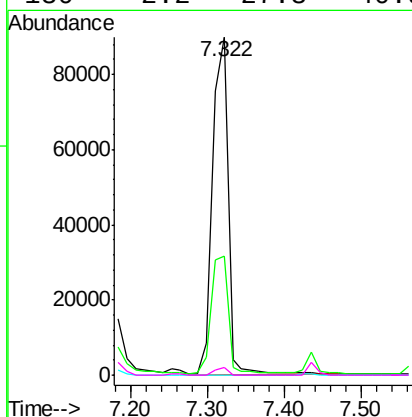
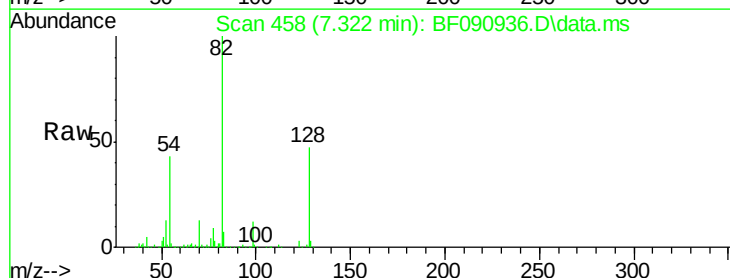
Instrument :
BNA_F
ClientSampleId :

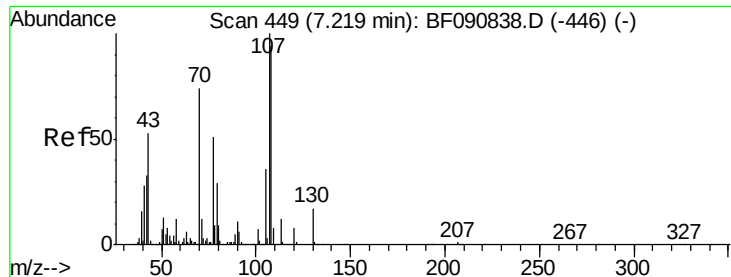
Tot Ion	Ratio	Lower	Upper
107	100		
108	91.1	96.6	145.0#
77	62.3	23.3	34.9#
79	29.6	22.0	33.0



#19
n-Nitroso-di-n-propylamine
Concen: 6.02 ng
RT: 7.322 min Scan# 458
Delta R.T. 0.126 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
70	100		
42	35.4	63.8	95.6#
101	0.0	9.2	13.8#
130	2.2	27.3	40.9#





#20

3+4-Methylphenols

Concen: 15.23 ng

RT: 7.173 min Scan# 44

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 445046

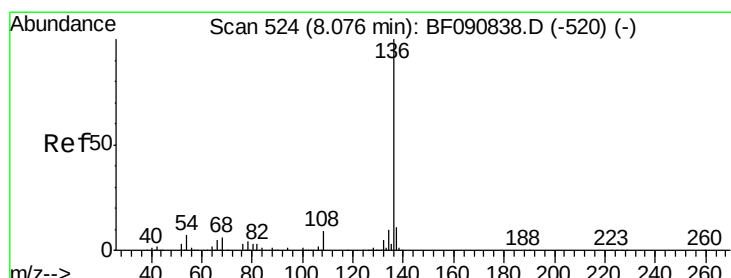
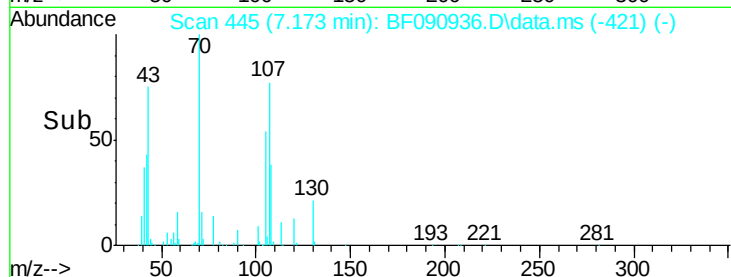
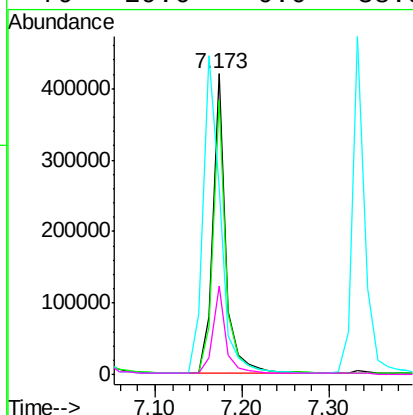
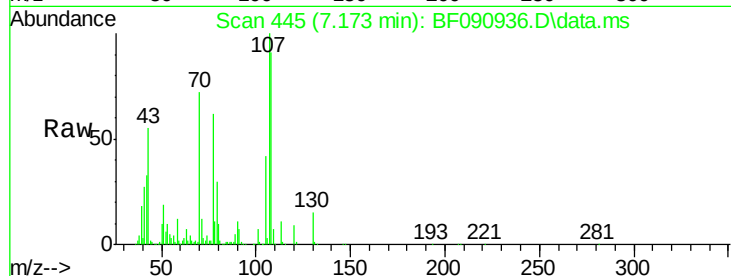
Ion Ratio Lower Upper

107 100

108 91.1 74.6 114.6

77 62.3 0.7 40.7#

79 29.6 0.0 38.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.030 min Scan# 520

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion:136 Resp: 560267

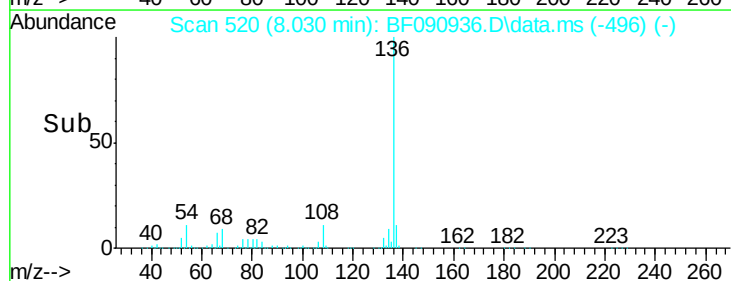
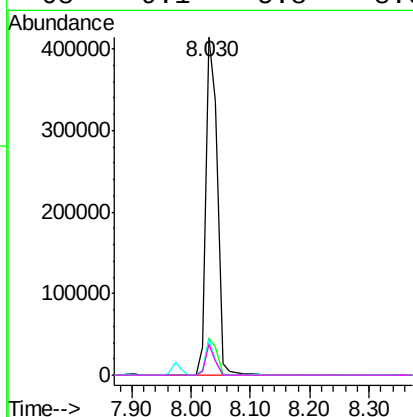
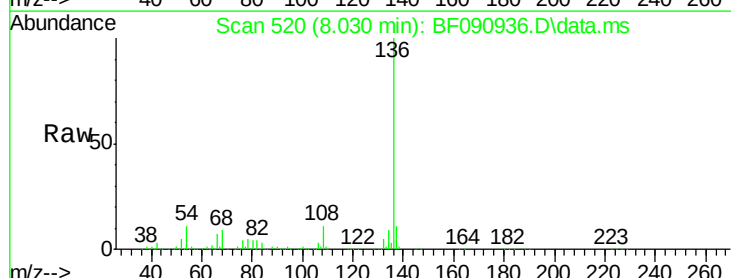
Ion Ratio Lower Upper

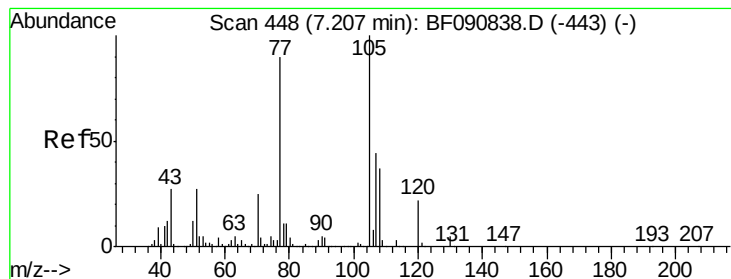
136 100

137 11.0 9.0 13.6

54 10.6 8.2 12.2

68 9.1 5.8 8.6#





#22

Acetophenone

Concen: 51.04 ng

RT: 7.162 min Scan# 44

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 588293

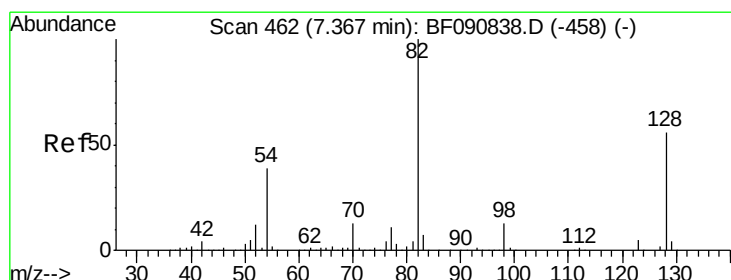
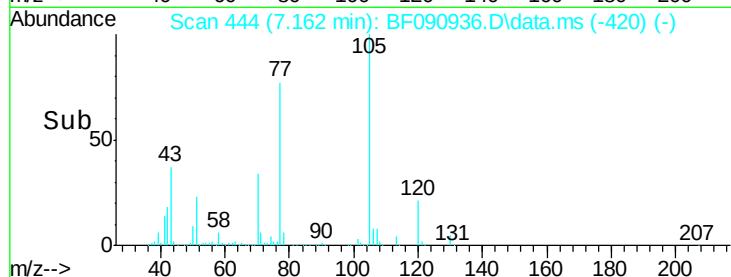
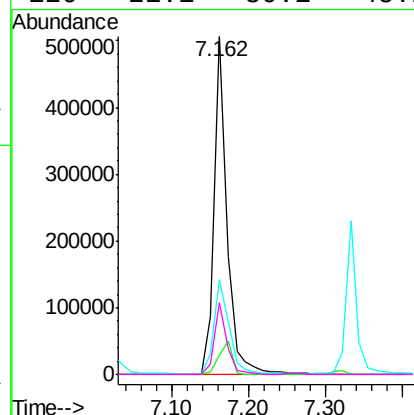
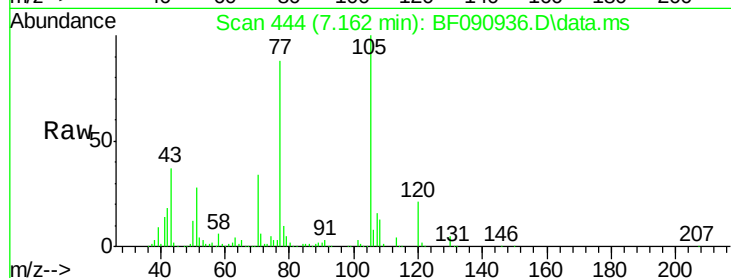
Ion Ratio Lower Upper

105 100

71 5.7 4.7 7.1

51 28.0 22.0 33.0

120 21.1 30.1 45.1#



#23

Nitrobenzene-d5

Concen: 106.86 ng

RT: 7.322 min Scan# 458

Delta R.T. -0.011 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

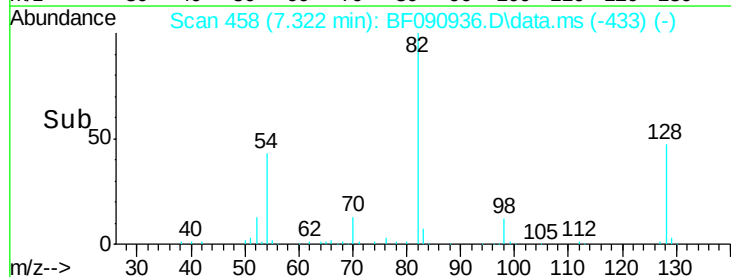
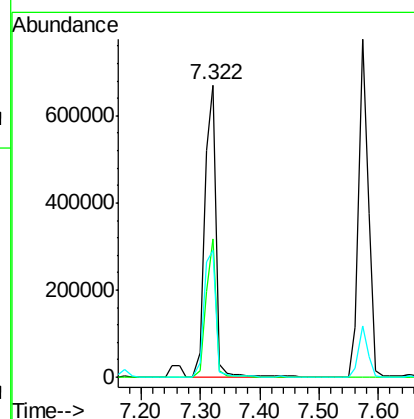
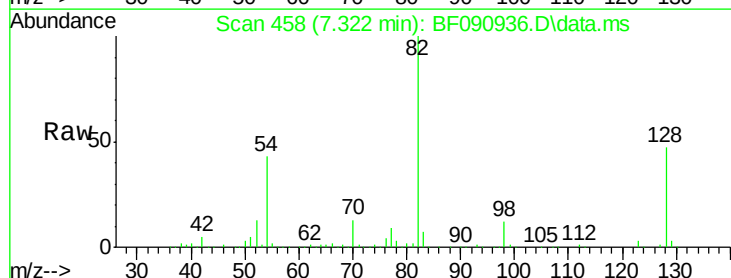
Tgt Ion: 82 Resp: 914530

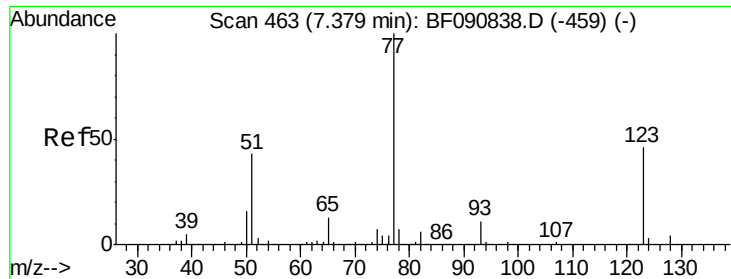
Ion Ratio Lower Upper

82 100

128 47.1 51.0 76.6#

54 43.2 47.5 71.3#





#24

Nitrobenzene

Concen: 51.69 ng

RT: 7.333 min Scan# 45

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

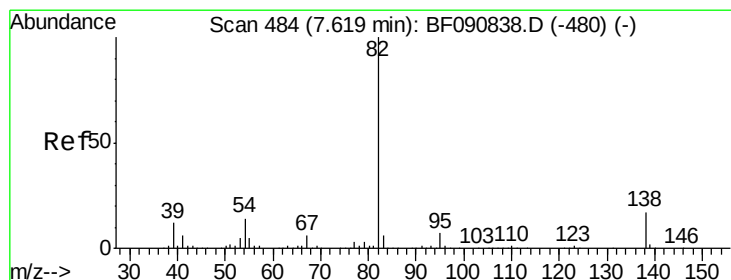
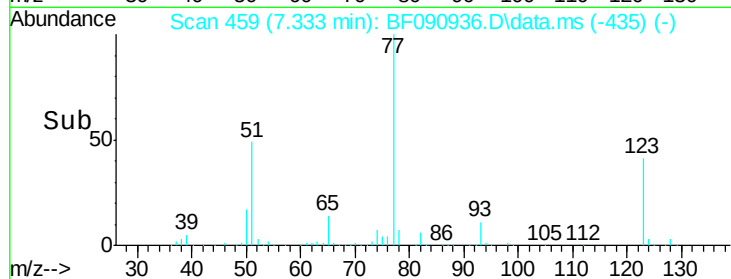
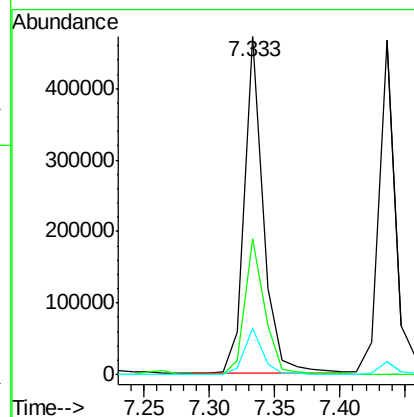
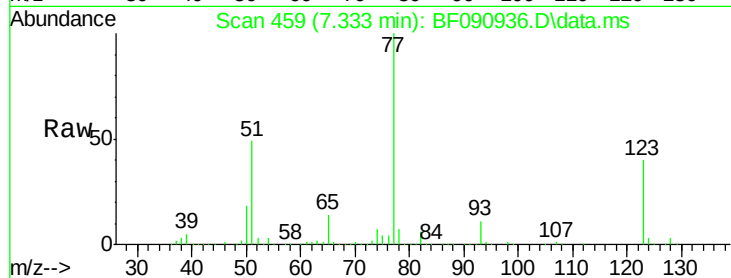
Tot Ion: 77 Resp: 467886

Ion Ratio Lower Upper

77 100

123 40.2 59.8 89.8#

65 13.6 10.2 15.4



#25

Isophorone

Concen: 50.59 ng

RT: 7.573 min Scan# 480

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

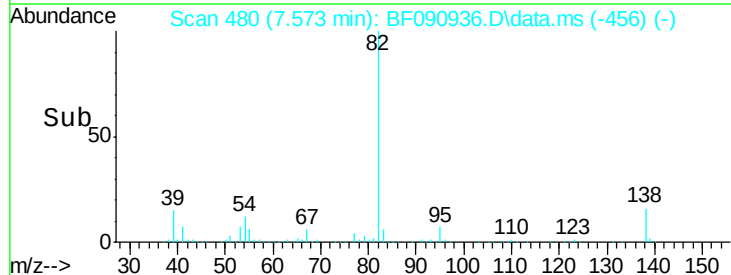
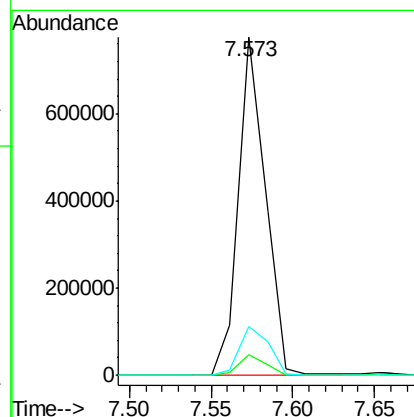
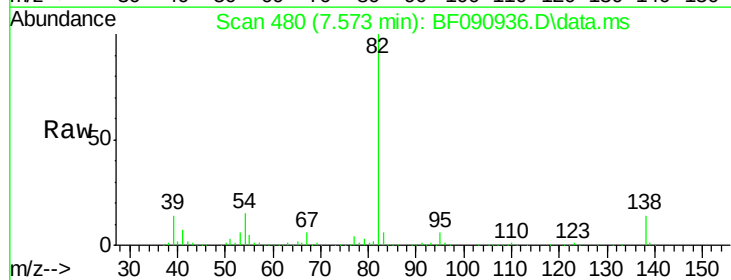
Tgt Ion: 82 Resp: 878746

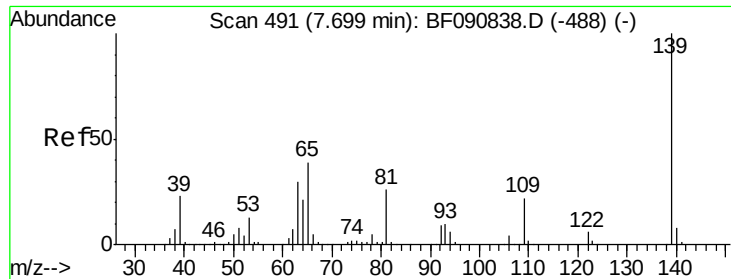
Ion Ratio Lower Upper

82 100

95 6.2 4.0 6.0#

138 14.4 18.3 27.5#

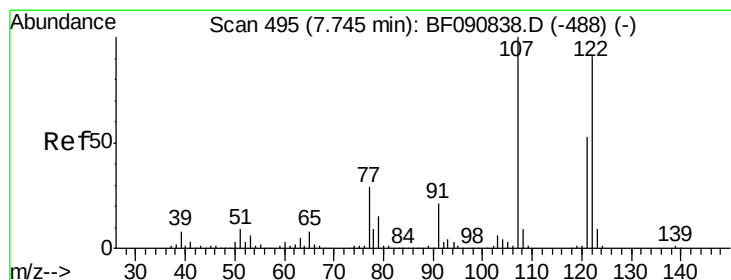
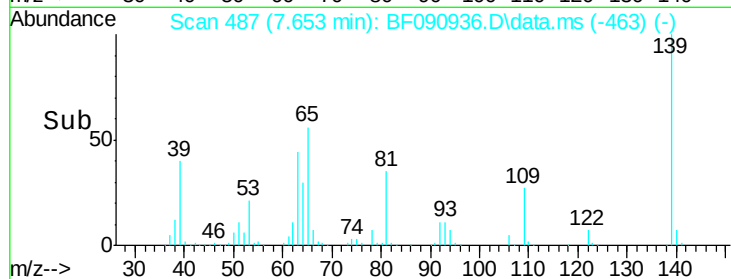
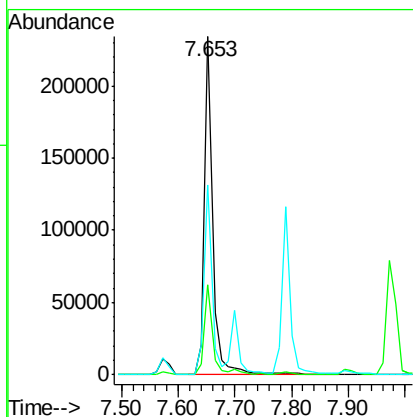
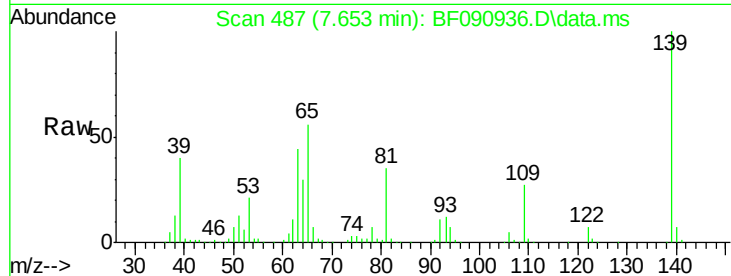




#26
2-Nitrophenol
Concen: 46.99 ng
RT: 7.653 min Scan# 48
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

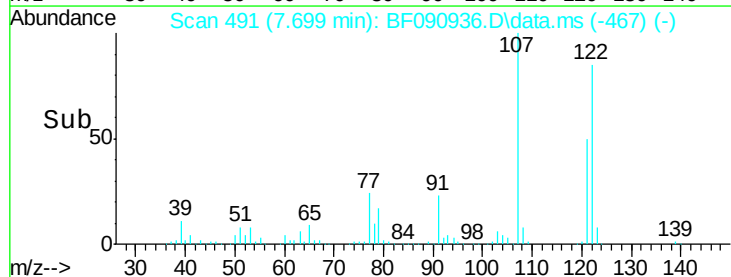
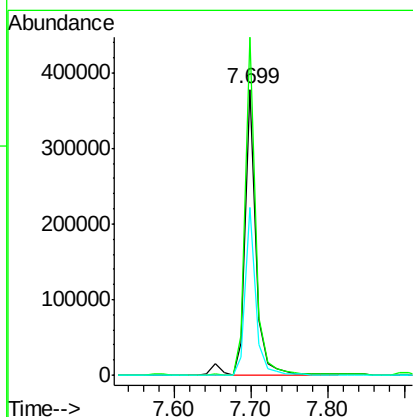
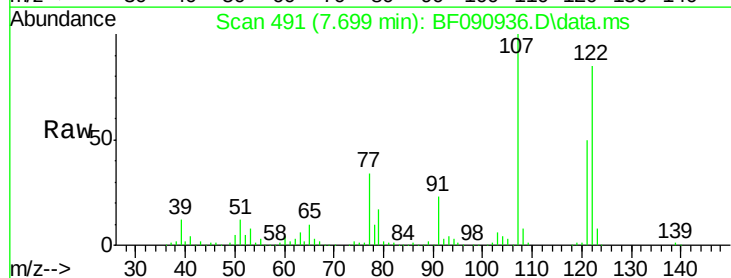
Instrument :
BNA_F
ClientSampleId :

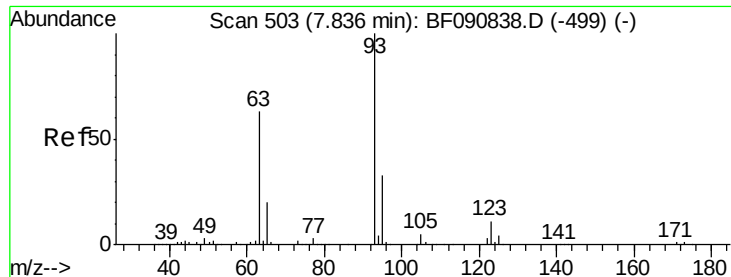
Tot Ion	Ratio	Lower	Upper
139	100		
109	26.6	11.0	16.4#
65	56.0	24.7	37.1#



#27
2,4-Dimethylphenol
Concen: 48.34 ng
RT: 7.699 min Scan# 491
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
122	100		
107	118.3	71.8	107.6#
121	58.9	42.3	63.5

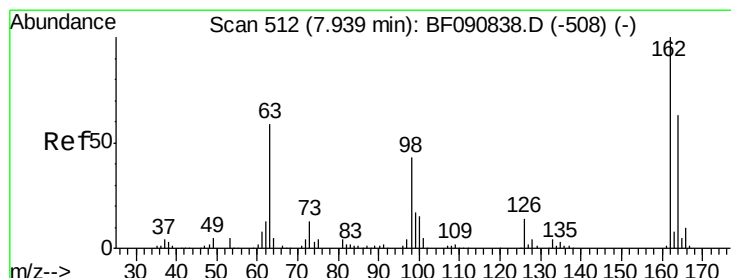
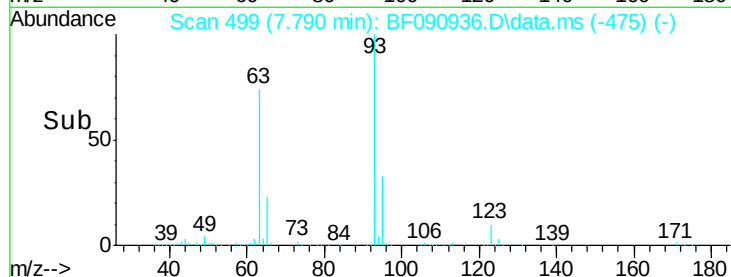
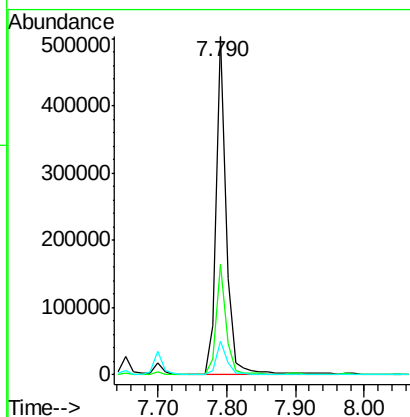
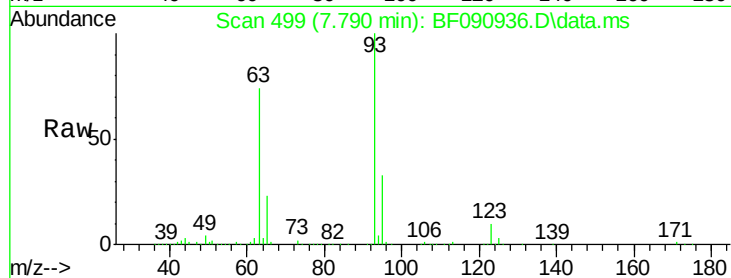




#28
bis(2-Chloroethoxy)methane
Concen: 53.24 ng
RT: 7.790 min Scan# 49
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

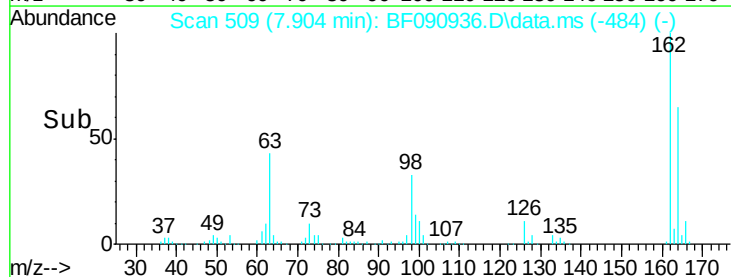
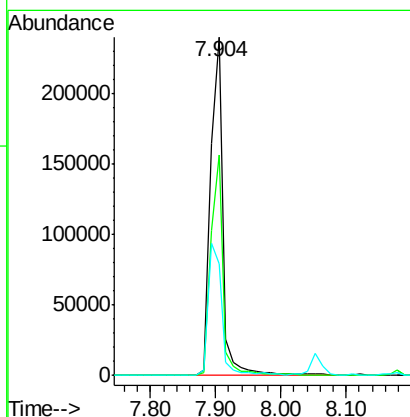
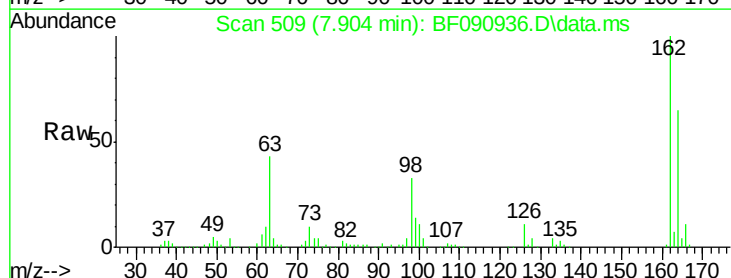
Instrument :
BNA_F
ClientSampleId :

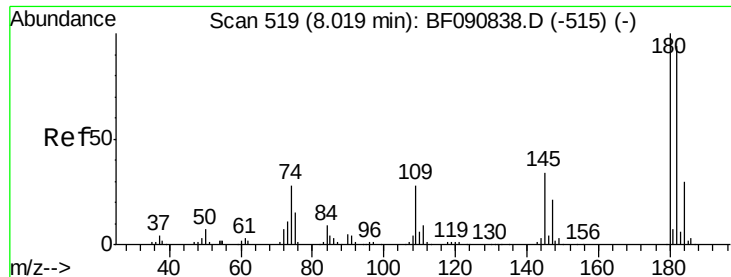
Tot Ion: 93 Resp: 525846
Ion Ratio Lower Upper
93 100
95 32.7 27.5 41.3
123 9.8 13.7 20.5#



#29
2,4-Dichlorophenol
Concen: 43.99 ng
RT: 7.904 min Scan# 509
Delta R.T. -0.011 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion: 162 Resp: 319773
Ion Ratio Lower Upper
162 100
164 65.4 44.9 84.9
98 33.2 13.0 53.0

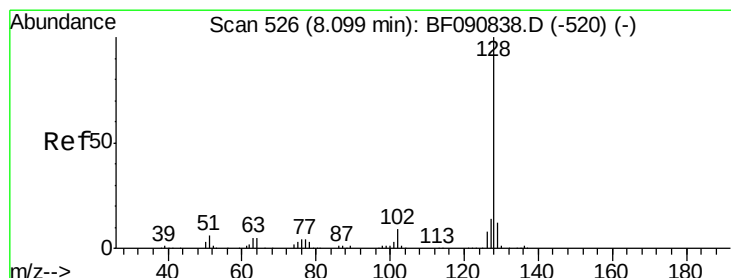
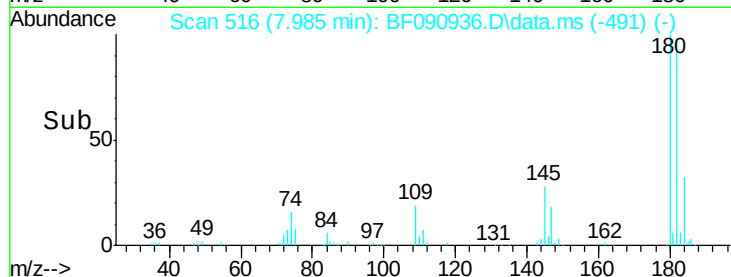
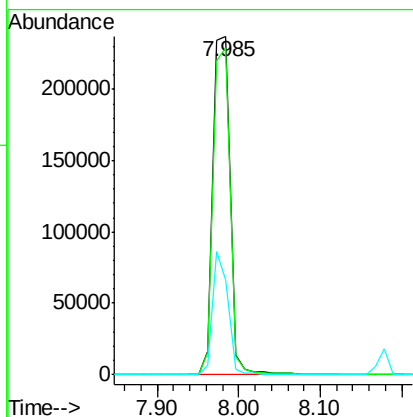
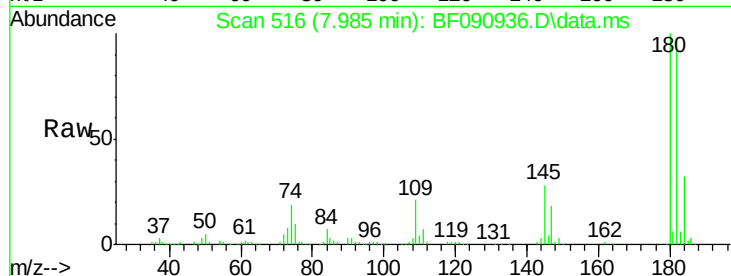




#30
 1,2,4-Trichlorobenzene
 Concen: 41.81 ng
 RT: 7.985 min Scan# 51
 Delta R.T. -0.011 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

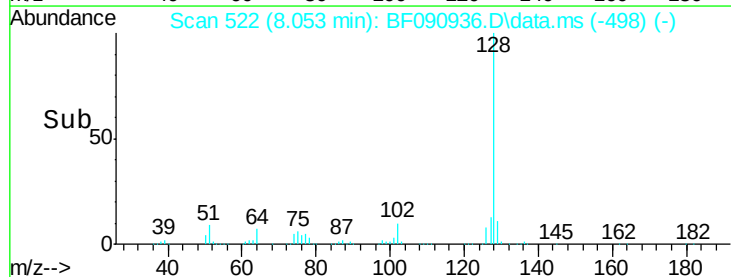
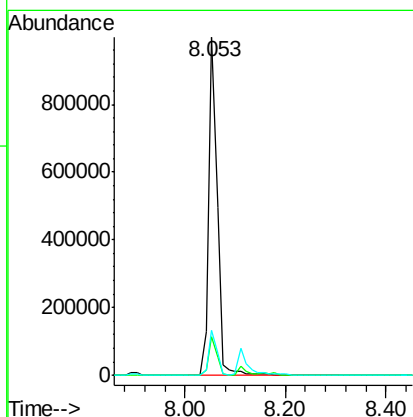
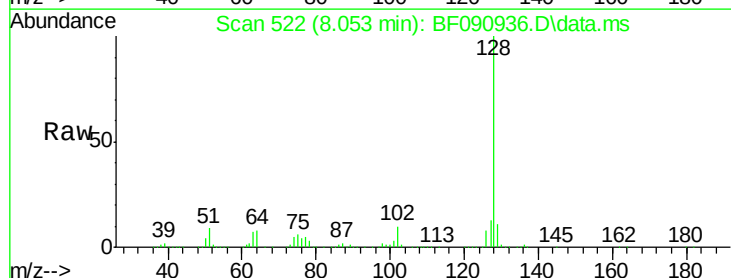
Instrument :
 BNA_F
 ClientSampleId :

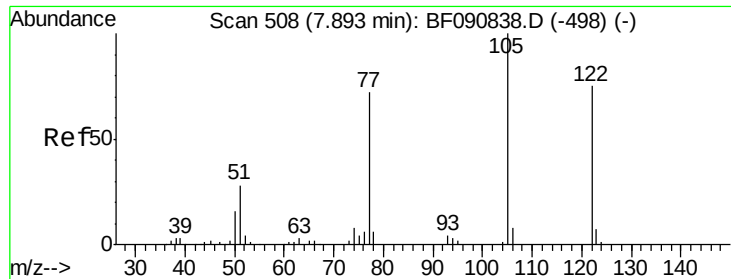
Tot Ion:180 Resp: 351205
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.1 115.7
 145 28.0 23.3 34.9



#31
 Naphthalene
 Concen: 45.08 ng
 RT: 8.053 min Scan# 522
 Delta R.T. -0.023 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

Tgt Ion:128 Resp: 1180594
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.4 12.6
 127 13.3 9.9 14.9

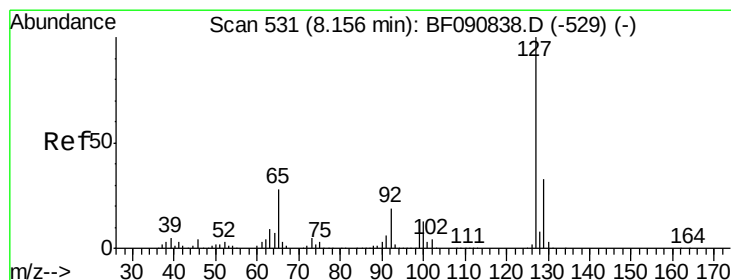
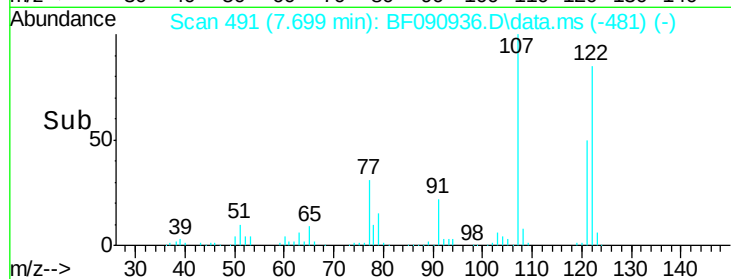
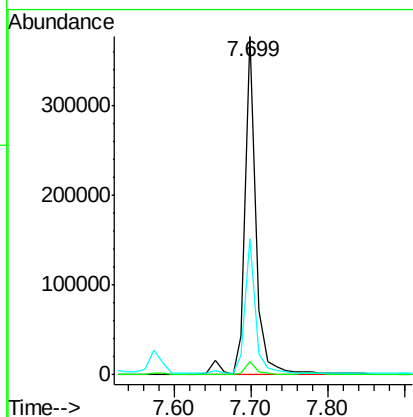
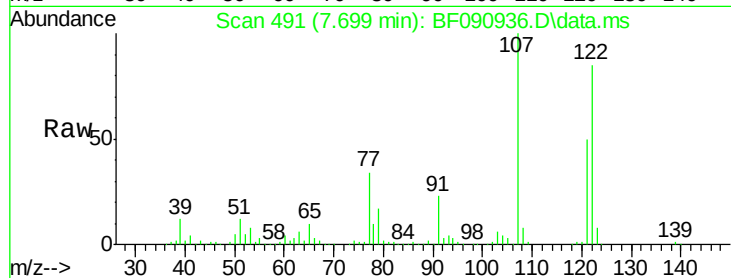




#32
Benzoic acid
Concen: 66.59 ng
RT: 7.699 min Scan# 49
Delta R.T. -0.183 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

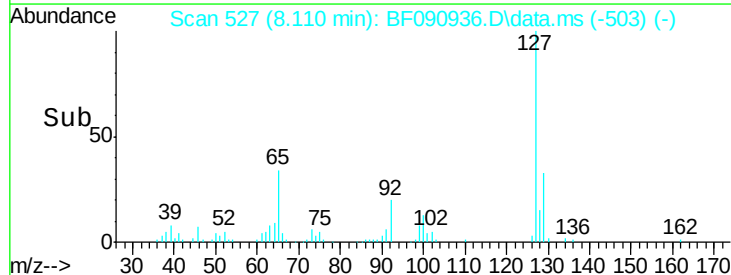
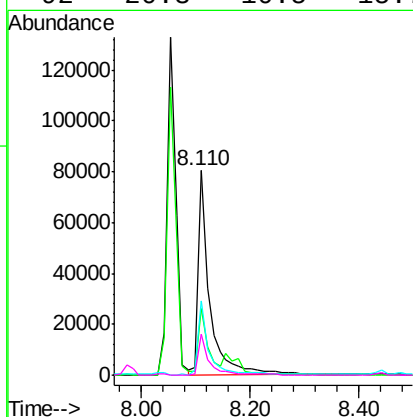
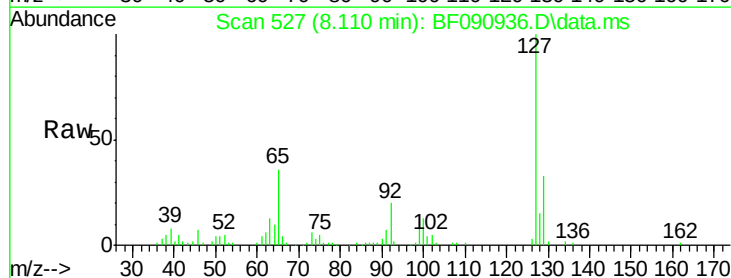
Instrument :
BNA_F
ClientSampleId :

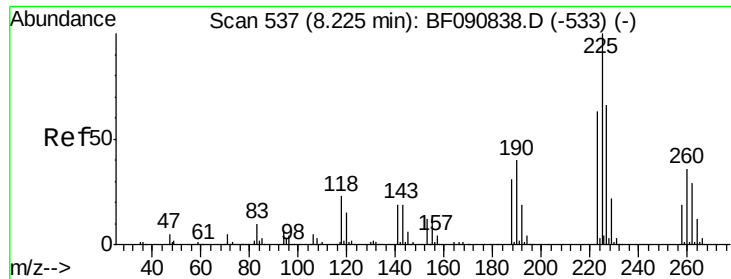
Tot Ion:122 Resp: 379571
Ion Ratio Lower Upper
122 100
105 3.7 76.1 116.1#
77 40.2 40.5 80.5#



#33
4-Chloroaniline
Concen: 10.97 ng
RT: 8.110 min Scan# 527
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion:127 Resp: 116035
Ion Ratio Lower Upper
127 100
129 32.7 25.8 38.6
65 36.2 17.9 26.9#
92 20.3 10.5 15.7#





#34

Hexachlorobutadiene

Concen: 41.45 ng

RT: 8.179 min Scan# 537

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

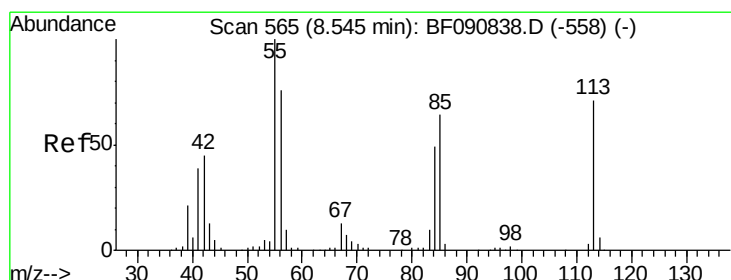
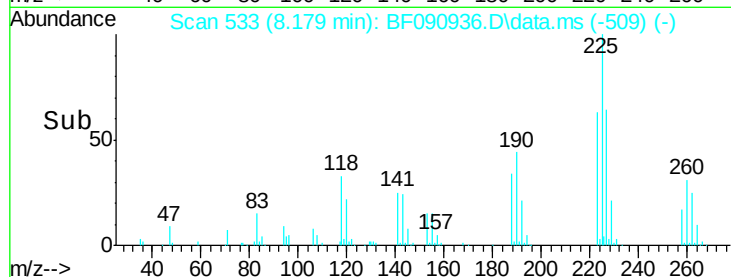
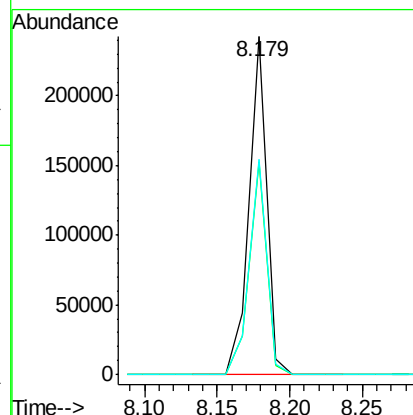
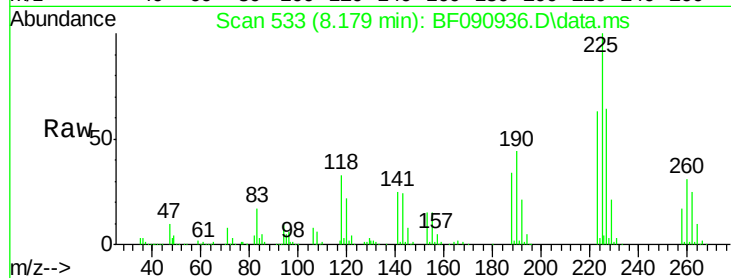
Tot Ion:225 Resp: 204756

Ion Ratio Lower Upper

225 100

223 63.0 50.2 75.2

227 63.8 52.2 78.2



#35

Caprolactam

Concen: 28.27 ng

RT: 8.476 min Scan# 559

Delta R.T. -0.046 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

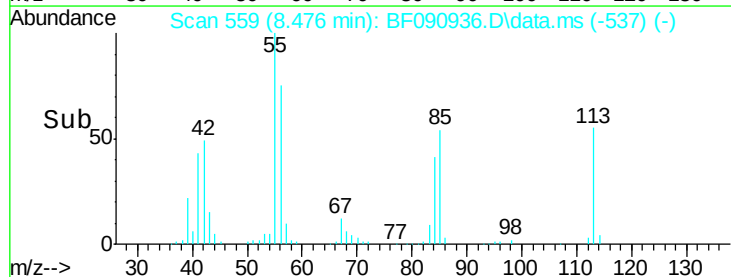
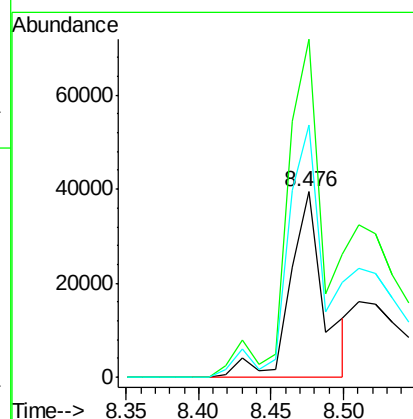
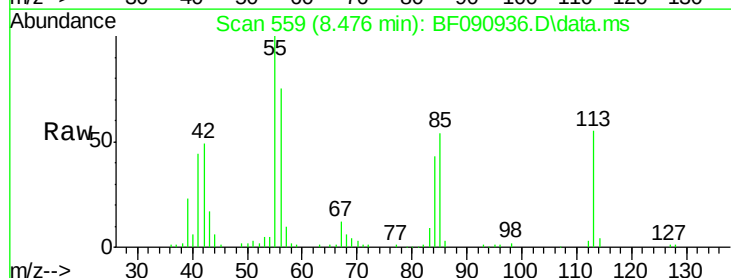
Tgt Ion:113 Resp: 63788

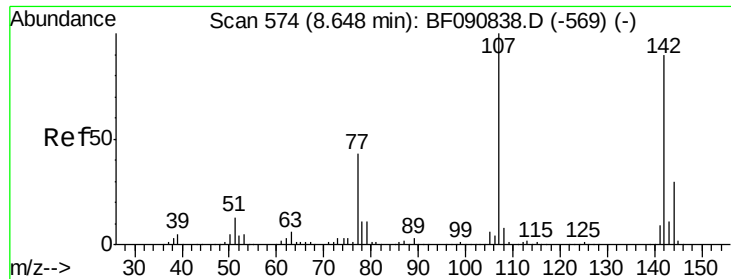
Ion Ratio Lower Upper

113 100

55 182.3 152.4 192.4

56 136.4 104.6 144.6

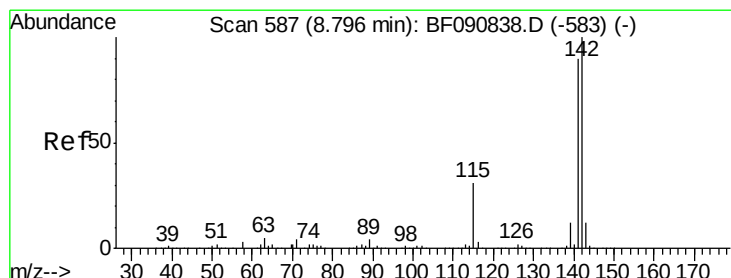
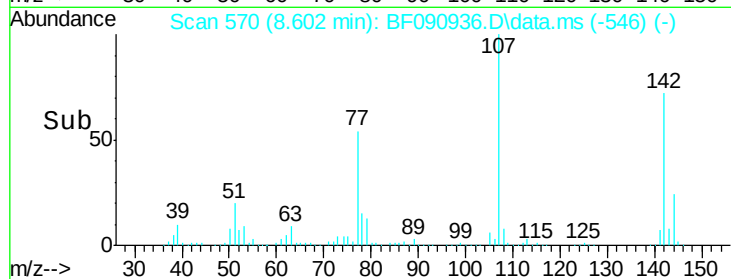
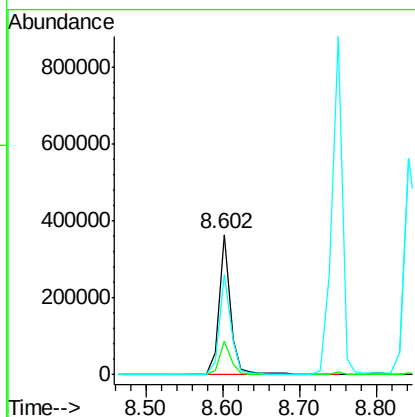
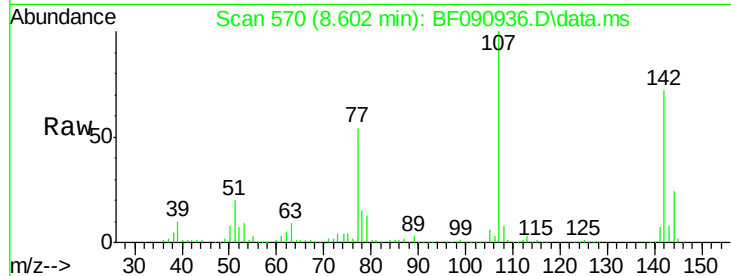




#36
 4-Chloro-3-methylphenol
 Concen: 47.70 ng
 RT: 8.602 min Scan# 57
 Delta R.T. -0.023 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

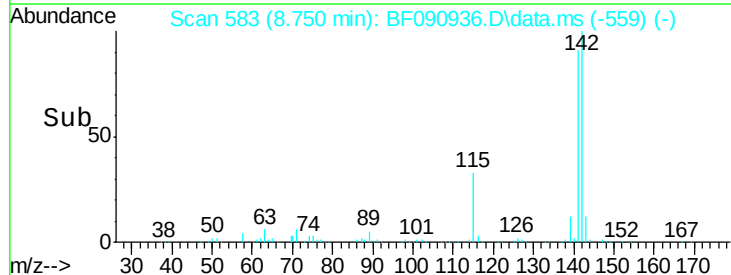
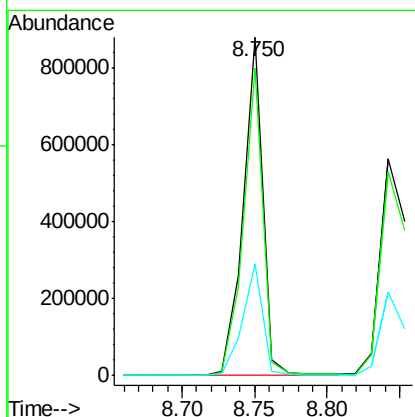
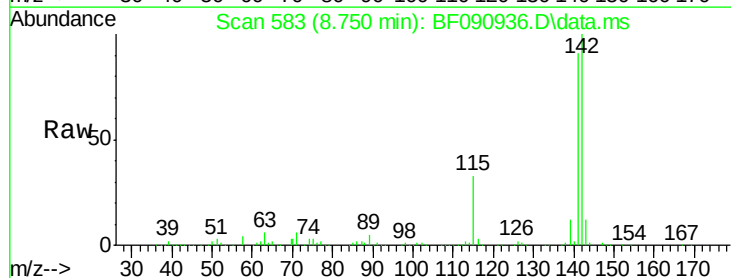
Instrument :
 BNA_F
 ClientSampled :

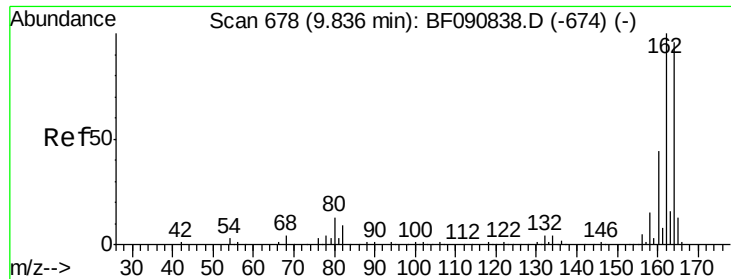
Tot Ion:107 Resp: 377094
 Ion Ratio Lower Upper
 107 100
 144 23.6 25.4 38.0#
 142 71.9 77.3 115.9#



#37
 2-Methylnaphthalene
 Concen: 48.83 ng
 RT: 8.750 min Scan# 583
 Delta R.T. -0.023 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

Tgt Ion:142 Resp: 825980
 Ion Ratio Lower Upper
 142 100
 141 90.8 67.5 101.3
 115 33.2 18.2 27.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.790 min Scan# 67

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampled :

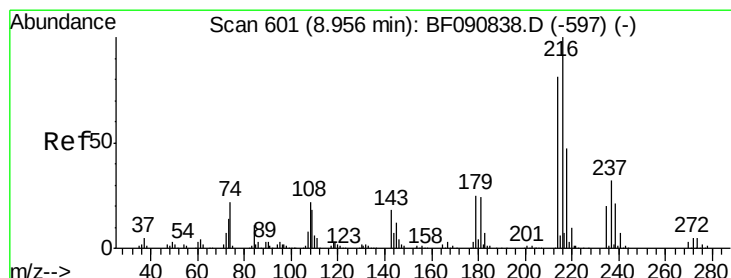
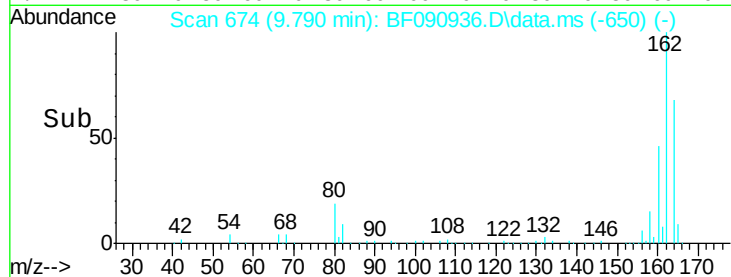
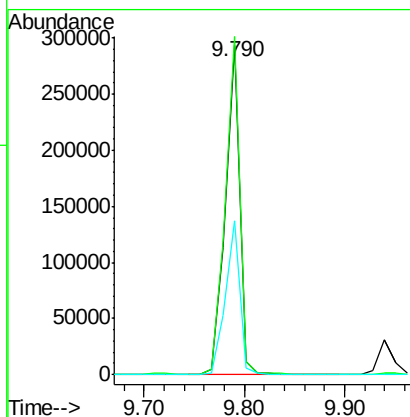
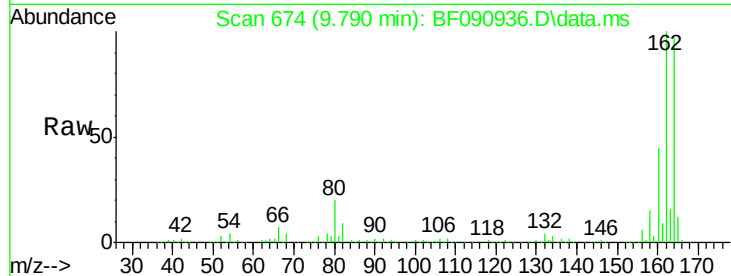
Tot Ion:164 Resp: 291939

Ion Ratio Lower Upper

164 100

162 102.9 75.2 112.8

160 46.8 31.5 47.3



#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.80 ng

RT: 8.922 min Scan# 598

Delta R.T. -0.011 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion:216 Resp: 334754

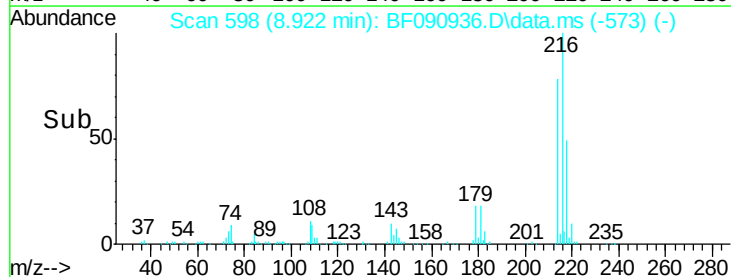
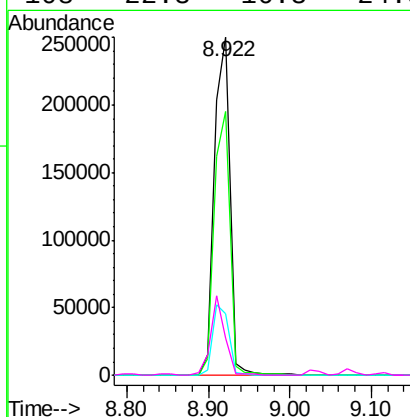
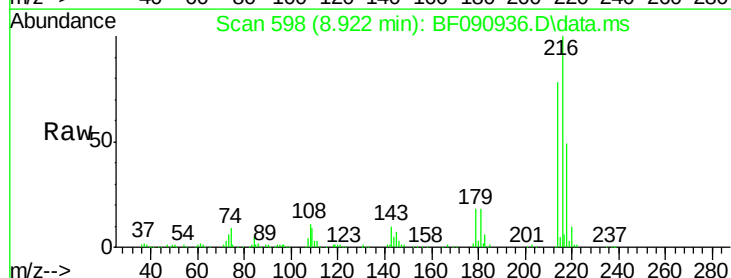
Ion Ratio Lower Upper

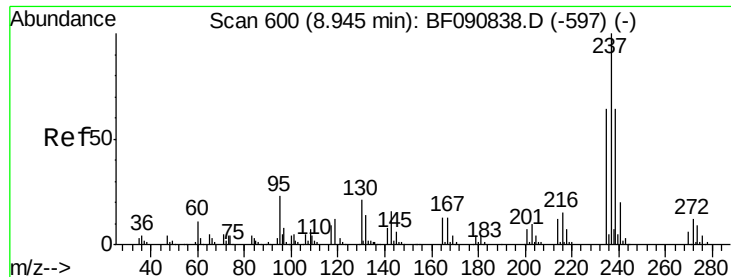
216 100

214 78.9 63.5 95.3

179 21.6 16.6 24.8

108 22.3 16.3 24.5





#40

Hexachlorocyclopentadiene

Concen: 67.93 ng

RT: 8.899 min Scan# 59

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

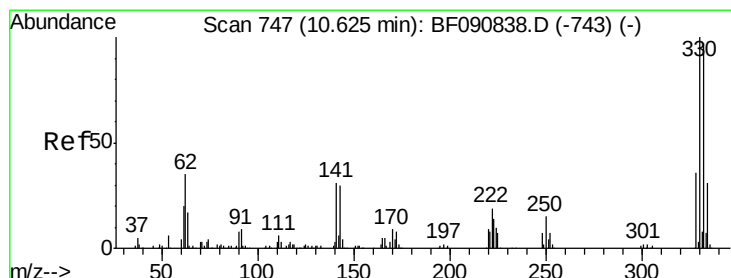
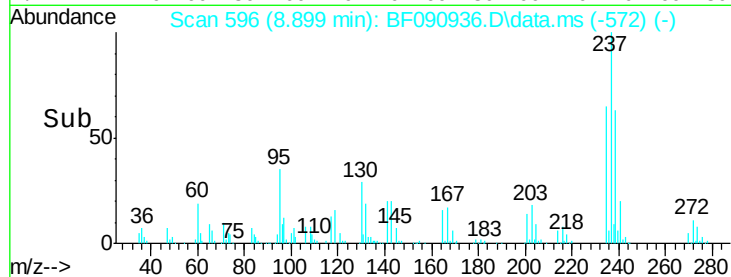
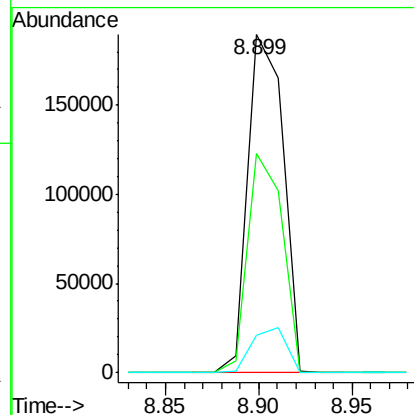
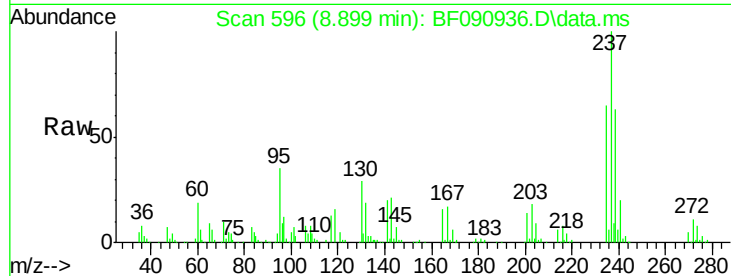
Tot Ion:237 Resp: 250301

Ion Ratio Lower Upper

237 100

235 64.8 42.0 82.0

272 10.9 0.0 36.1



#41

2,4,6-Tribromophenol

Concen: 118.94 ng

RT: 10.579 min Scan# 743

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

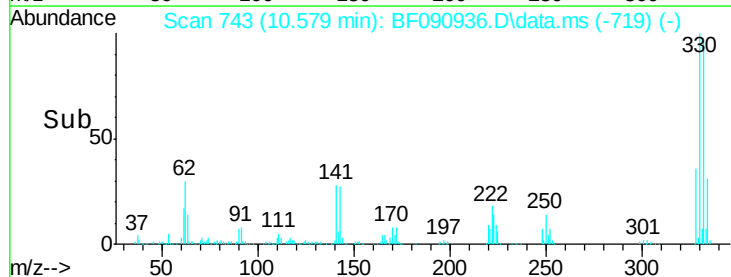
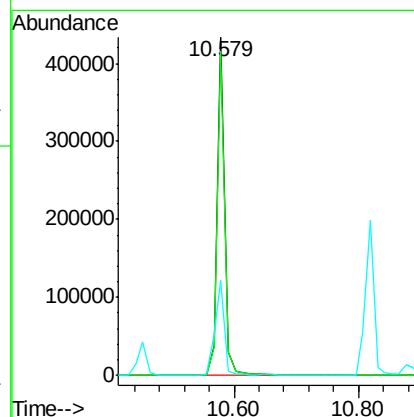
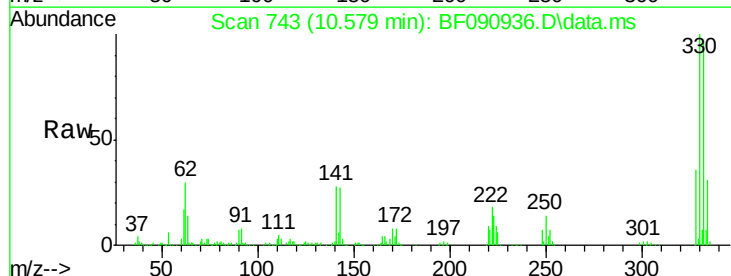
Tgt Ion:330 Resp: 356833

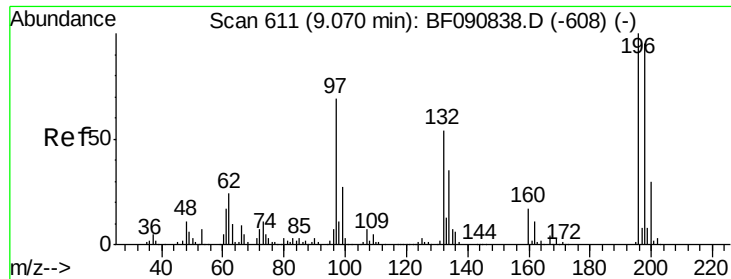
Ion Ratio Lower Upper

330 100

332 95.9 76.6 114.8

141 35.2 29.7 44.5

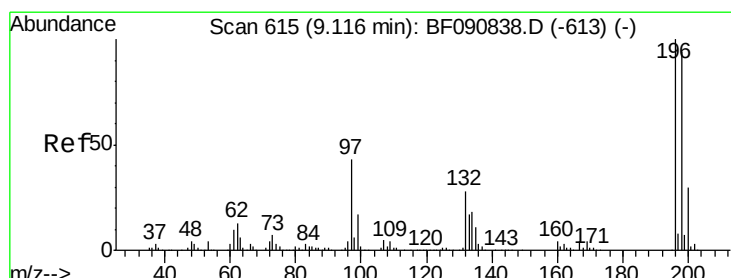
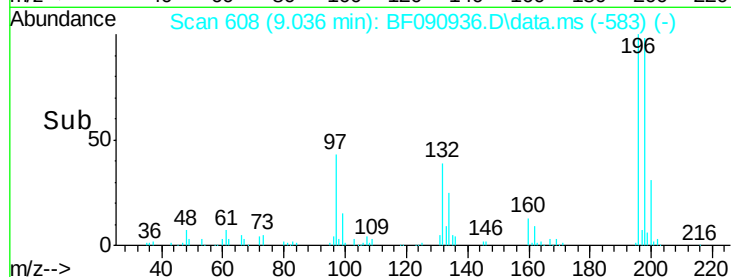
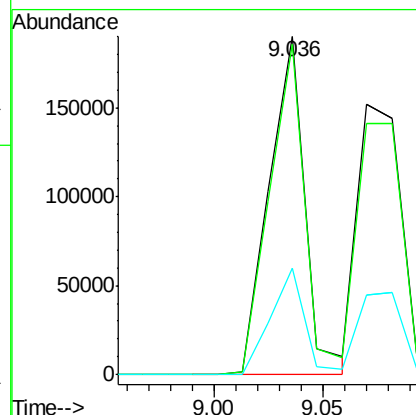
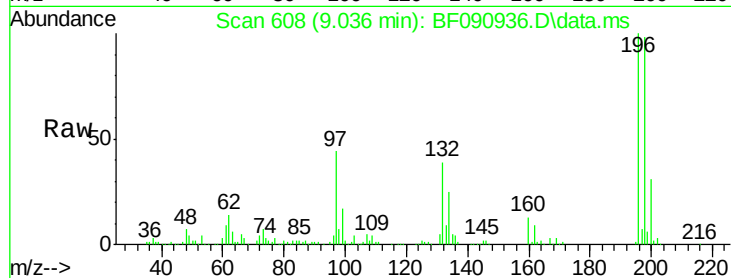




#42
 2,4,6-Trichlorophenol
 Concen: 42.34 ng
 RT: 9.036 min Scan# 60
 Delta R.T. -0.011 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

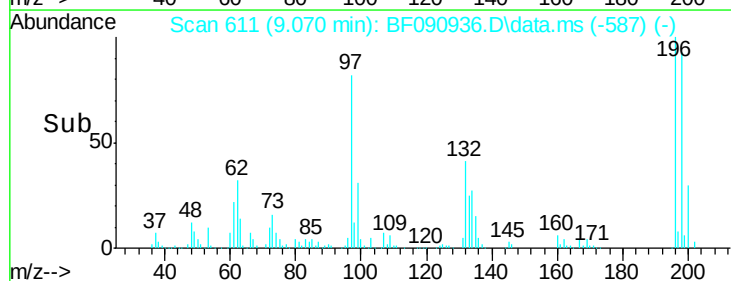
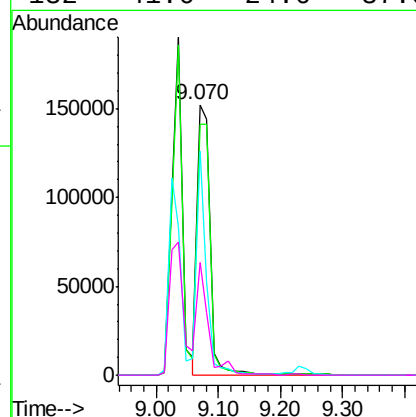
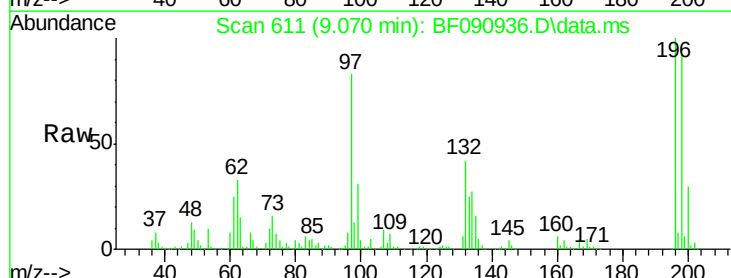
Instrument :
 BNA_F
 ClientSampleId :

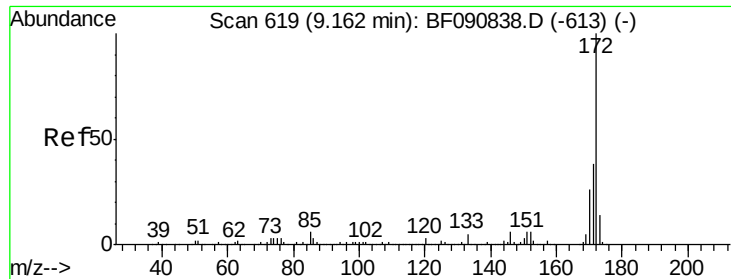
Tot Ion:196 Resp: 218913
 Ion Ratio Lower Upper
 196 100
 198 97.8 75.7 113.5
 200 31.4 23.9 35.9



#43
 2,4,5-Trichlorophenol
 Concen: 42.14 ng
 RT: 9.070 min Scan# 611
 Delta R.T. -0.023 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

Tgt Ion:196 Resp: 224387
 Ion Ratio Lower Upper
 196 100
 198 93.0 75.4 113.0
 97 82.7 33.3 49.9#
 132 41.6 24.6 37.0#





#44

2-Fluorobiphenyl

Concen: 88.61 ng

RT: 9.116 min Scan# 61

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

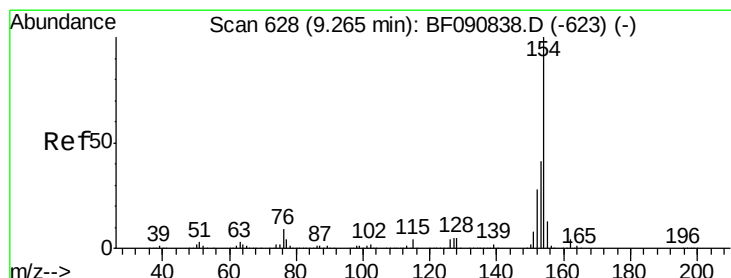
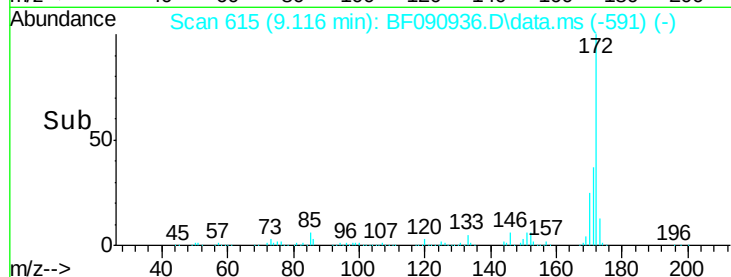
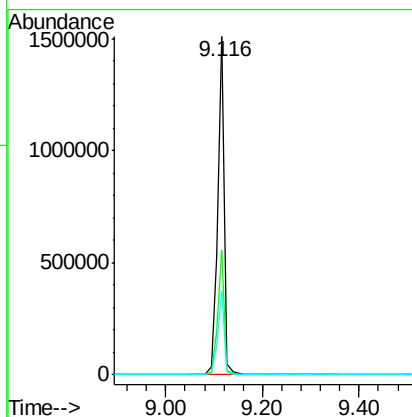
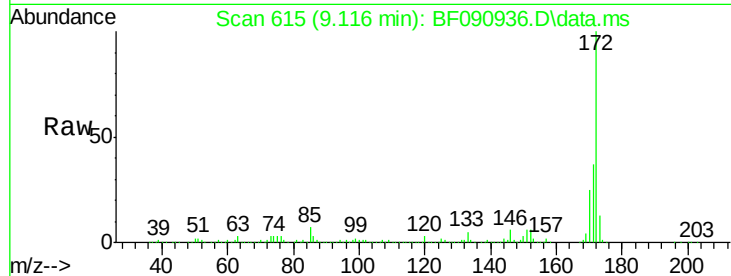
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1473149

Ion	Ratio	Lower	Upper
172	100		
171	36.9	26.1	39.1
170	24.8	17.4	26.2



#45

1,1'-Biphenyl

Concen: 44.64 ng

RT: 9.219 min Scan# 624

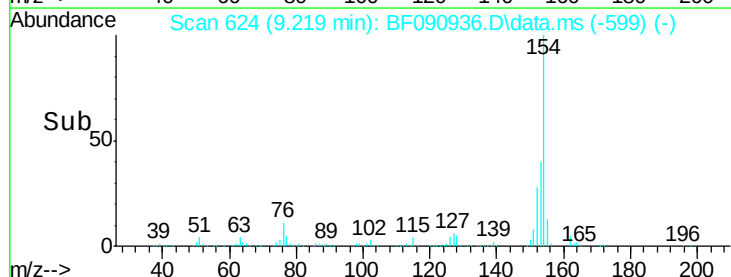
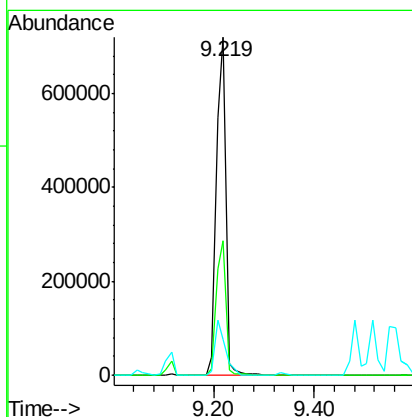
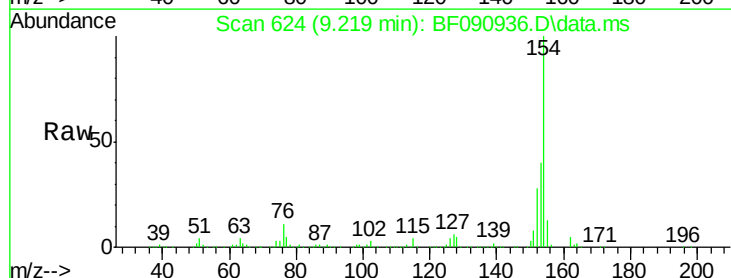
Delta R.T. -0.011 min

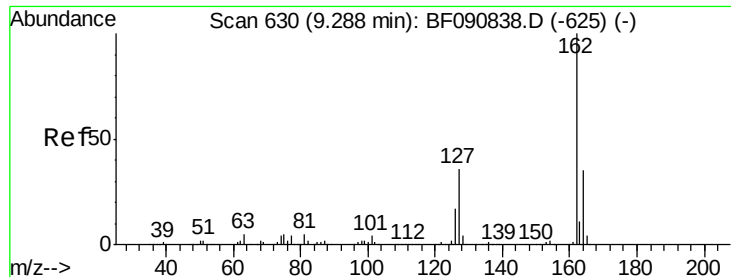
Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion:154 Resp: 938780

Ion	Ratio	Lower	Upper
154	100		
153	39.9	17.1	57.1
76	10.7	0.0	31.6

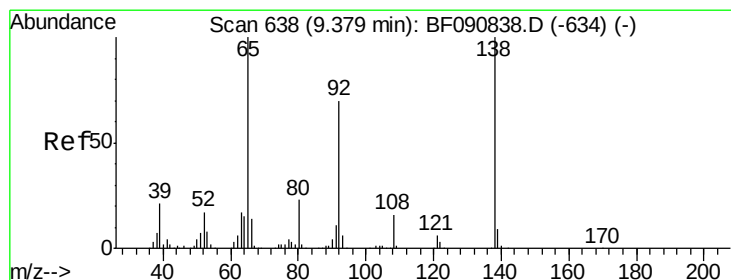
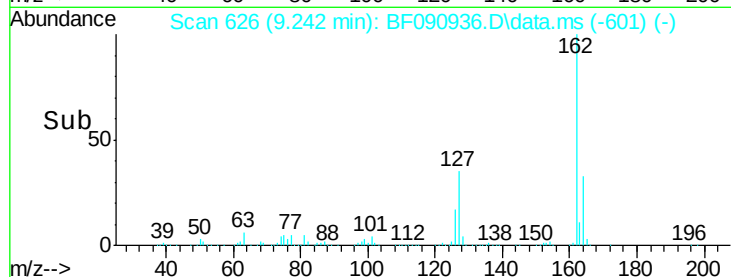
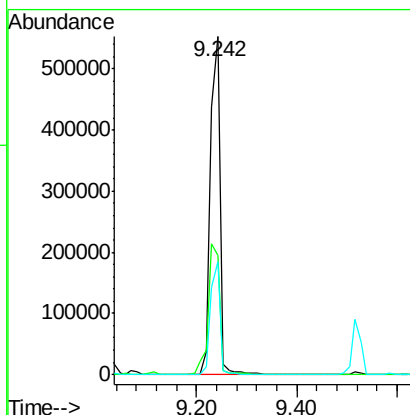
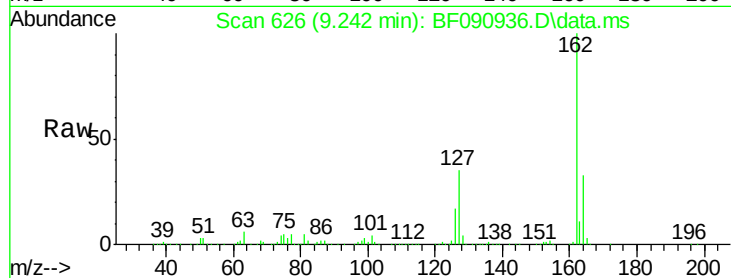




#46
2-Chloronaphthalene
Concen: 46.25 ng
RT: 9.242 min Scan# 62
Delta R.T. -0.011 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

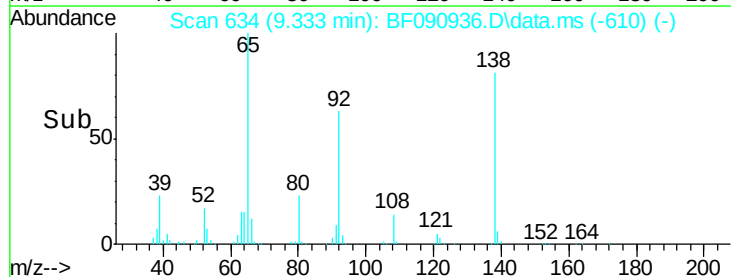
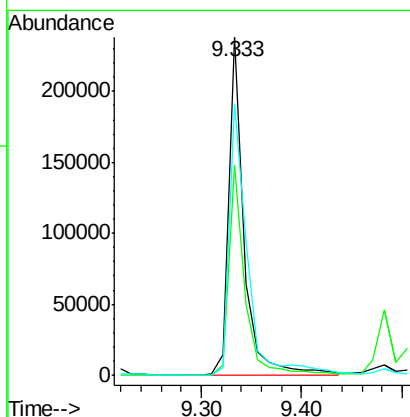
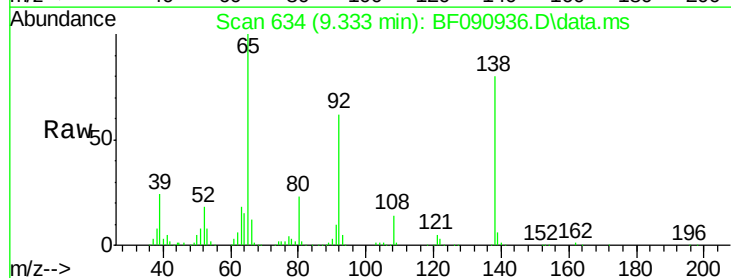
Instrument :
BNA_F
ClientSampleId :

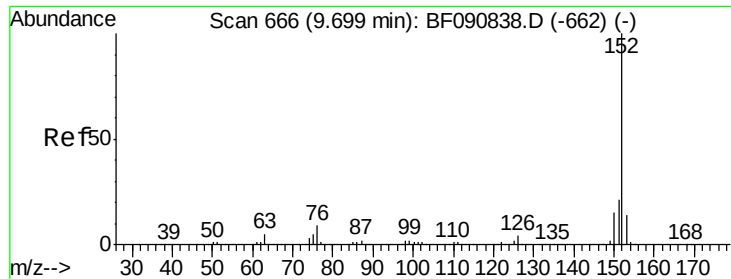
Tot Ion	Ratio	Lower	Upper
162	100		
127	35.4	27.6	41.4
164	33.2	25.4	38.2



#47
2-Nitroaniline
Concen: 55.55 ng
RT: 9.333 min Scan# 634
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.3	55.4	83.0
138	80.3	115.5	173.3#





#48

Acenaphthylene

Concen: 48.23 ng

RT: 9.653 min Scan# 666

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

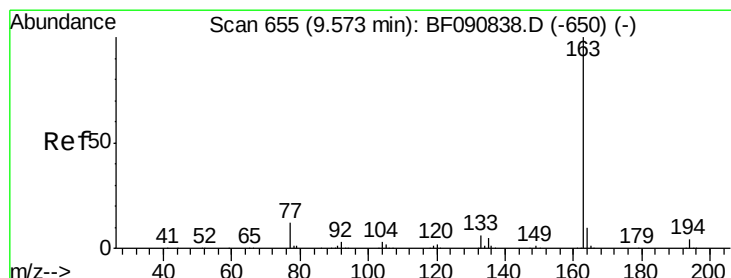
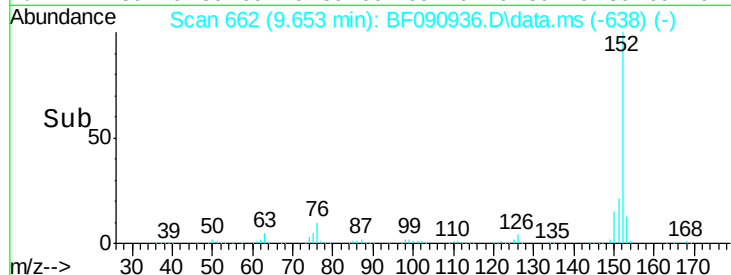
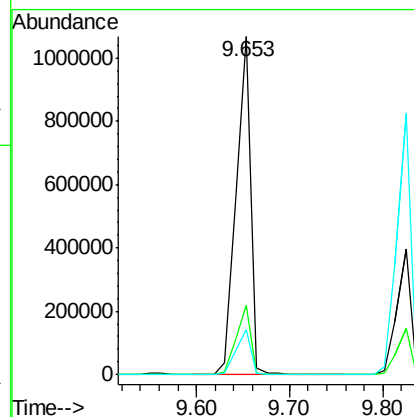
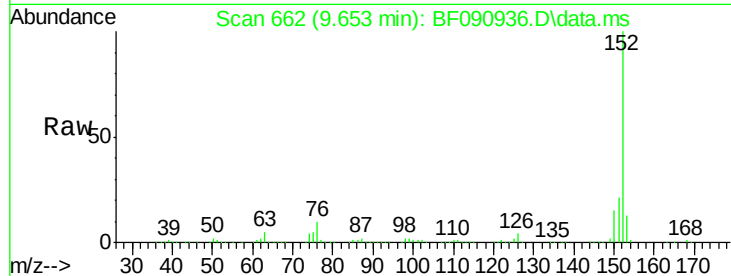
Tot Ion:152 Resp: 1168062

Ion Ratio Lower Upper

152 100

151 20.7 14.6 22.0

153 13.2 10.3 15.5



#49

Dimethylphthalate

Concen: 54.31 ng

RT: 9.516 min Scan# 650

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

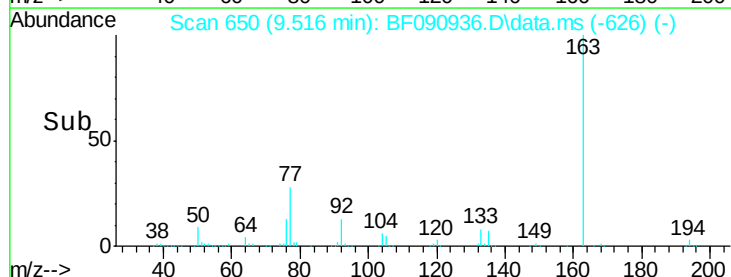
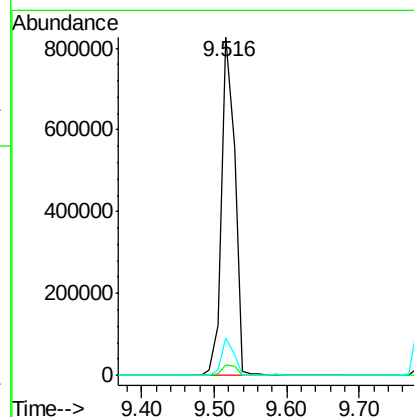
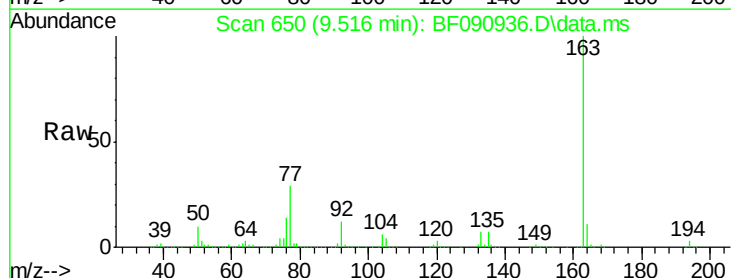
Tgt Ion:163 Resp: 1059243

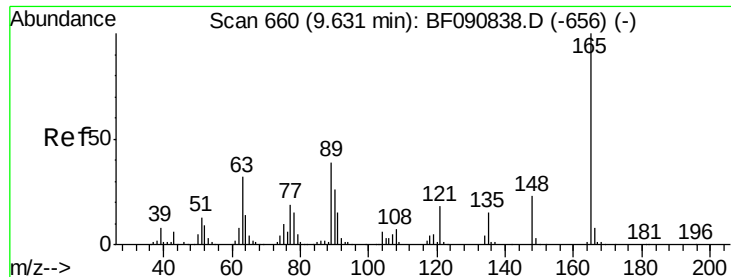
Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

164 11.0 8.3 12.5

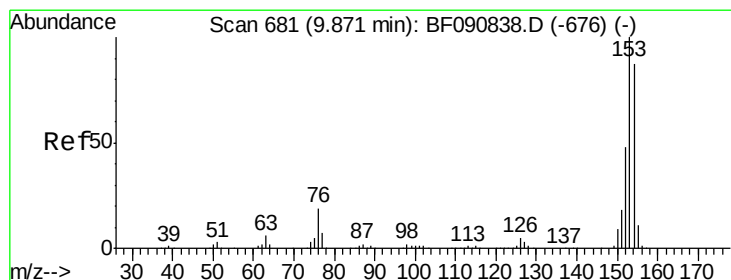
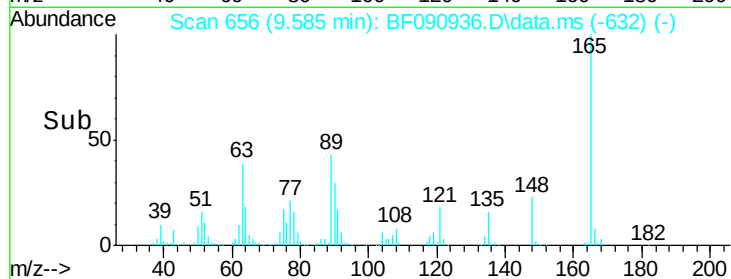
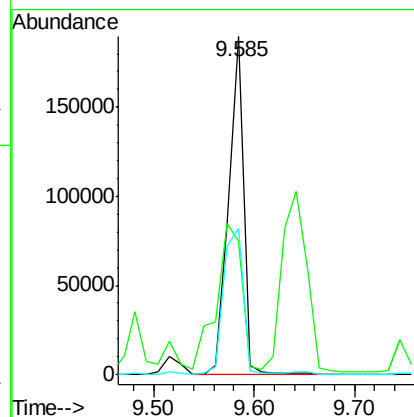
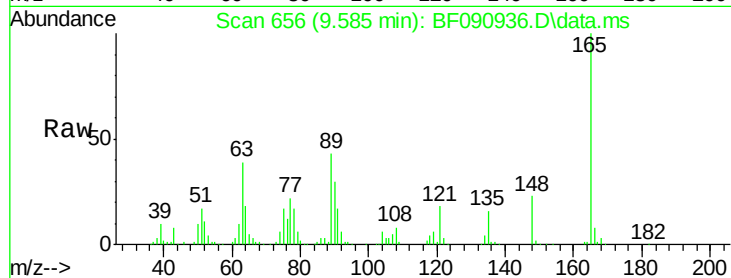




#50
 2,6-Dinitrotoluene
 Concen: 45.86 ng
 RT: 9.585 min Scan# 65
 Delta R.T. -0.023 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

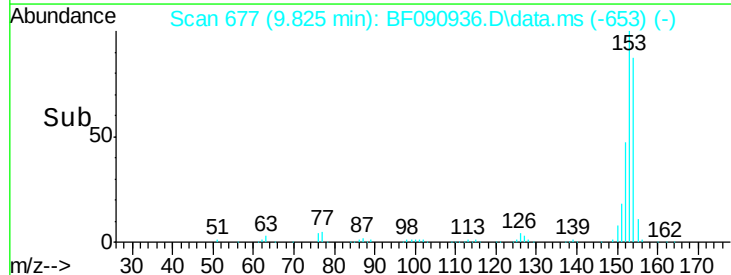
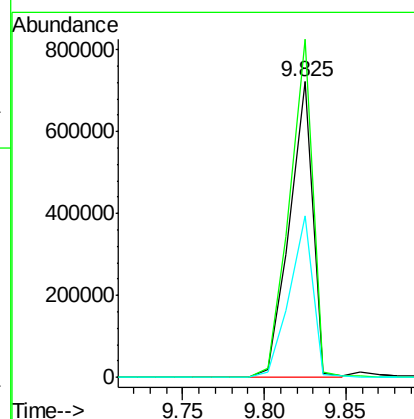
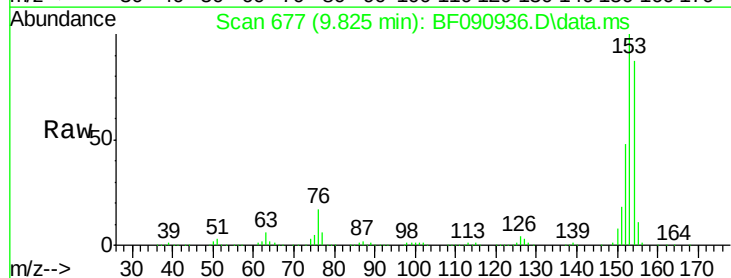
Instrument :
 BNA_F
 ClientSampleId :

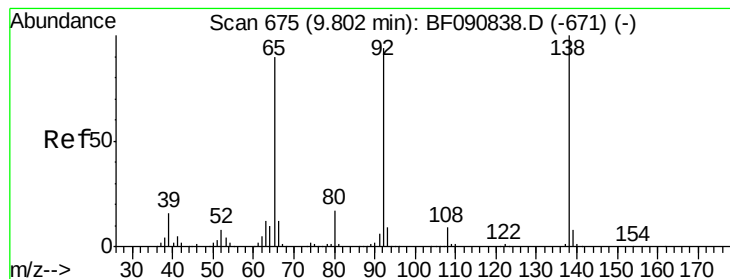
Tot Ion	Ratio	Lower	Upper
165	100		
63	39.3	32.3	48.5
89	43.3	28.6	43.0



#51
 Acenaphthene
 Concen: 43.43 ng
 RT: 9.825 min Scan# 677
 Delta R.T. -0.023 min
 Lab File: BF090936.D
 Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.4	82.1	123.1
152	54.7	37.9	56.9





#52

3-Nitroaniline

Concen: 22.18 ng

RT: 9.745 min Scan# 67

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

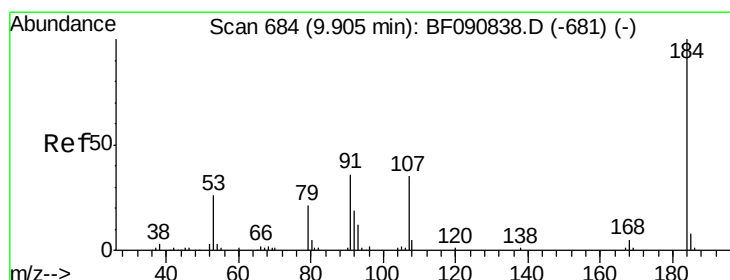
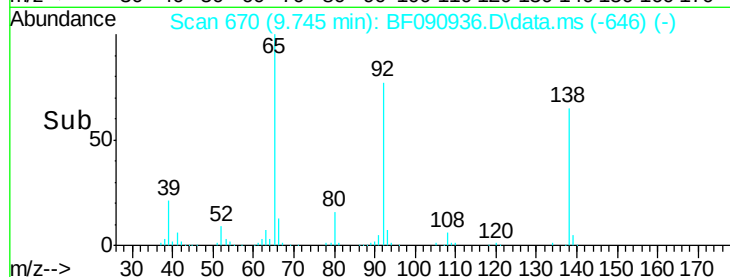
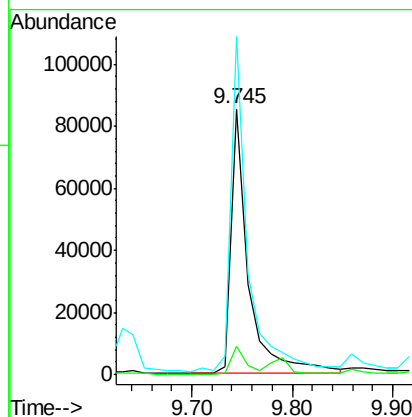
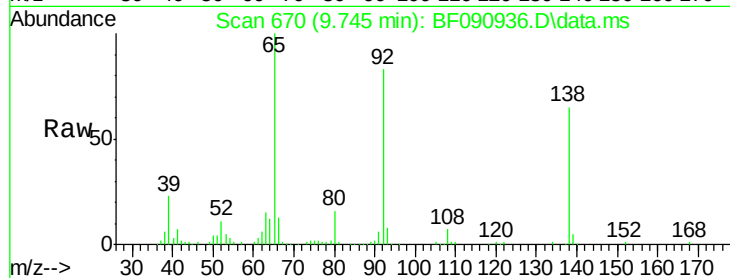
Tot Ion:138 Resp: 101708

Ion Ratio Lower Upper

138 100

108 10.5 5.7 8.5#

92 127.2 67.7 101.5#



#53

2,4-Dinitrophenol

Concen: 10.62 ng

RT: 9.859 min Scan# 680

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

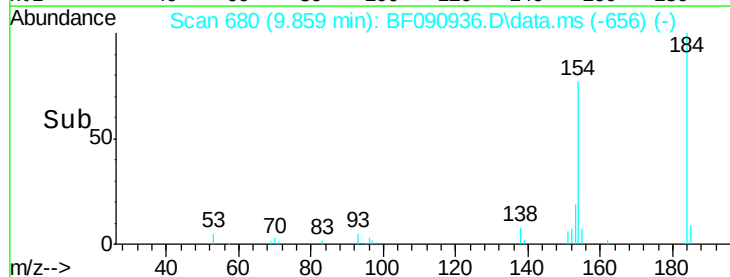
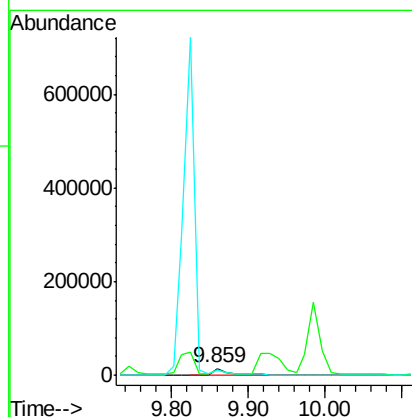
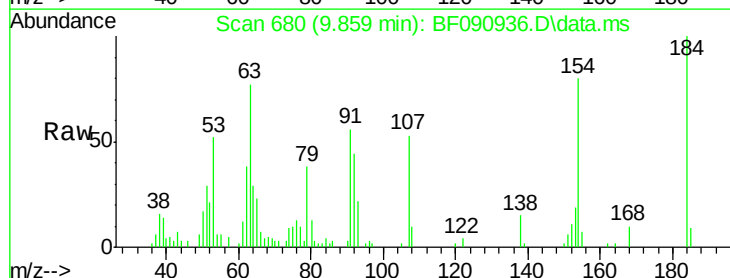
Tgt Ion:184 Resp: 24085

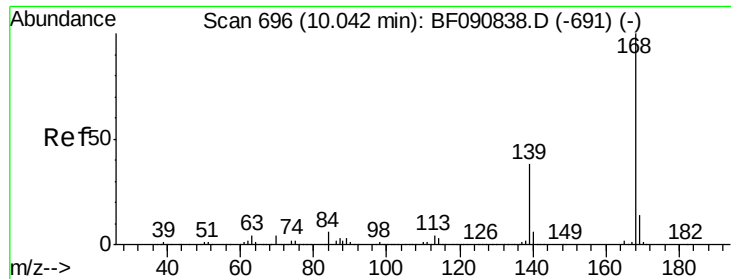
Ion Ratio Lower Upper

184 100

63 76.7 35.4 53.2#

154 79.5 32.2 48.4#





#54

Dibenzofuran

Concen: 48.90 ng

RT: 9.996 min Scan# 69

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

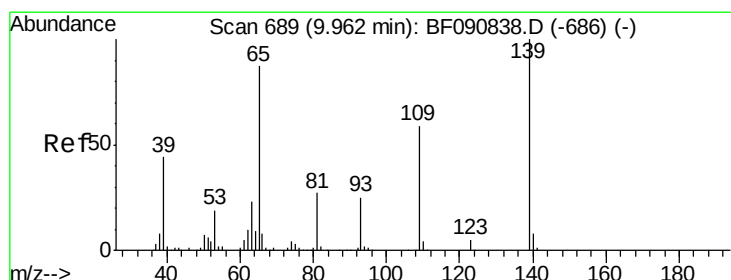
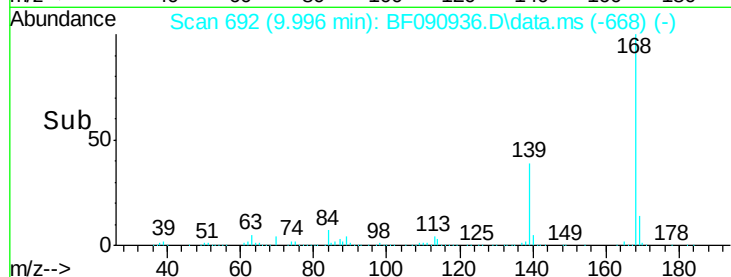
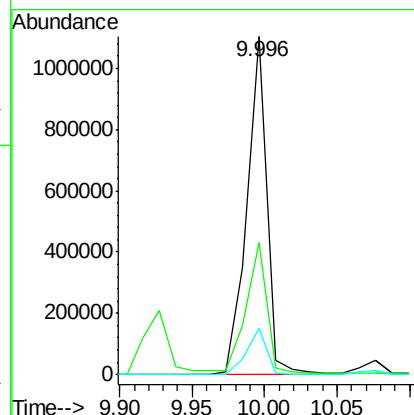
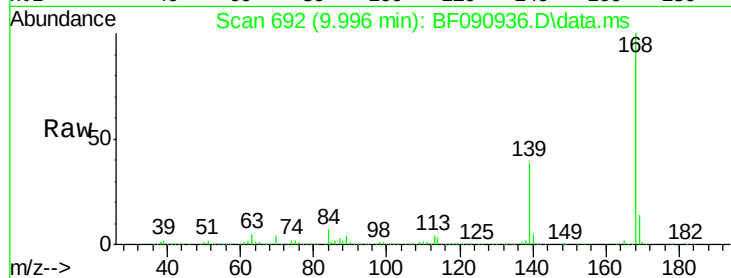
Instrument :

BNA_F

ClientSampleId :

Tot Ion:168 Resp: 1052565

Ion	Ratio	Lower	Upper
168	100		
139	39.0	24.2	36.2#
169	13.7	10.6	15.8



#55

4-Nitrophenol

Concen: 93.46 ng

RT: 9.928 min Scan# 686

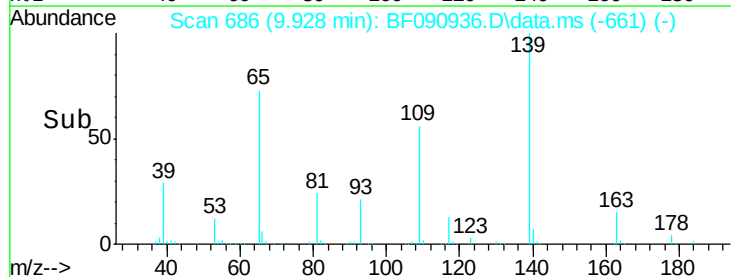
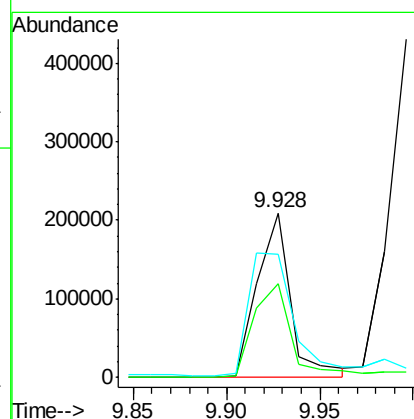
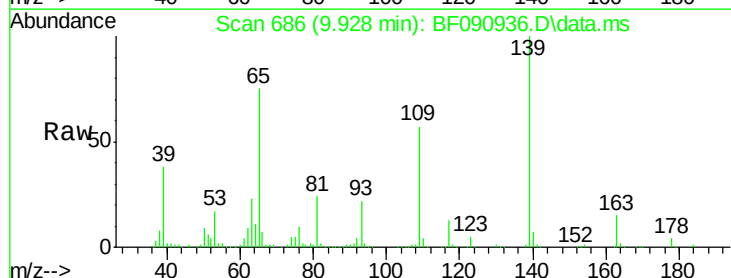
Delta R.T. -0.011 min

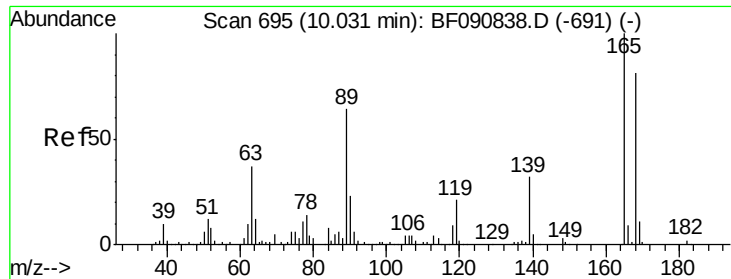
Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion:139 Resp: 261383

Ion	Ratio	Lower	Upper
139	100		
109	56.8	12.7	52.7#
65	74.6	45.9	85.9

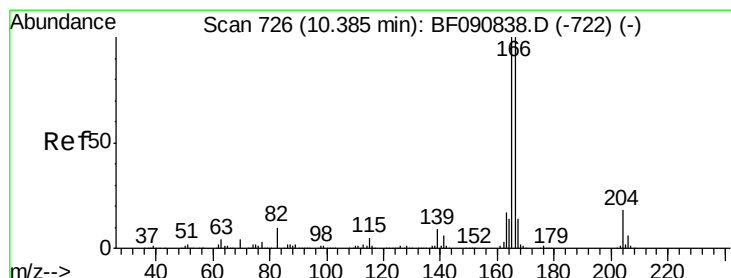
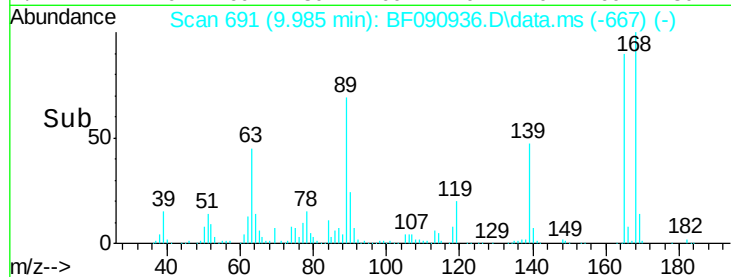
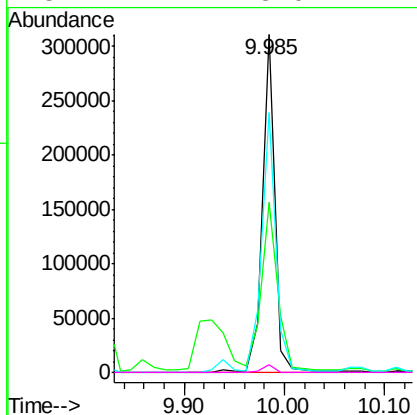
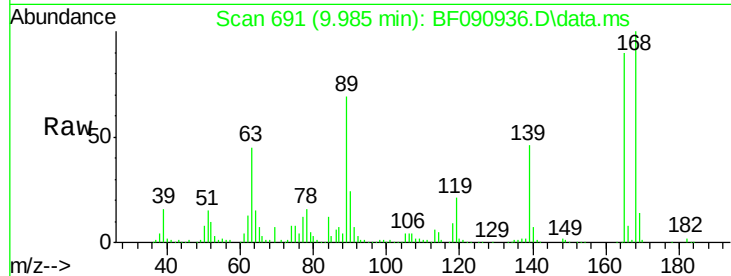




#56
2,4-Dinitrotoluene
Concen: 49.84 ng
RT: 9.985 min Scan# 69
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

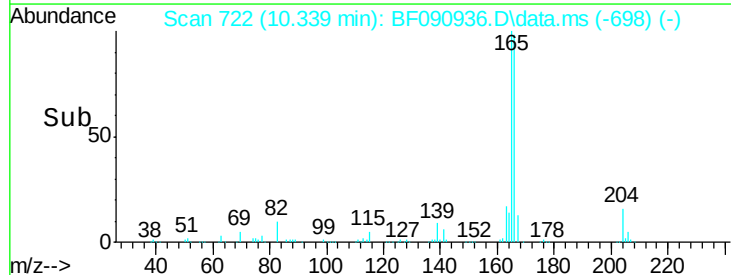
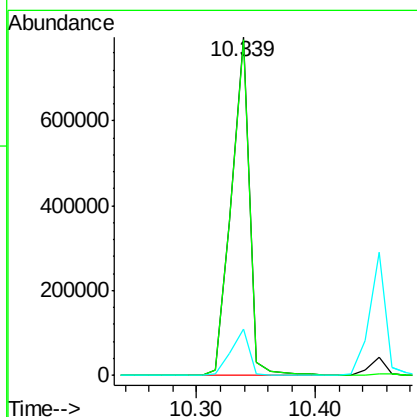
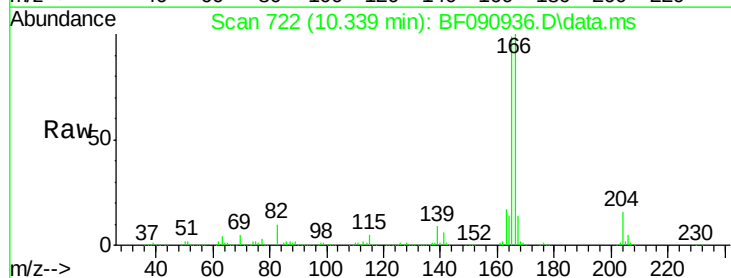
Instrument :
BNA_F
ClientSampleId :

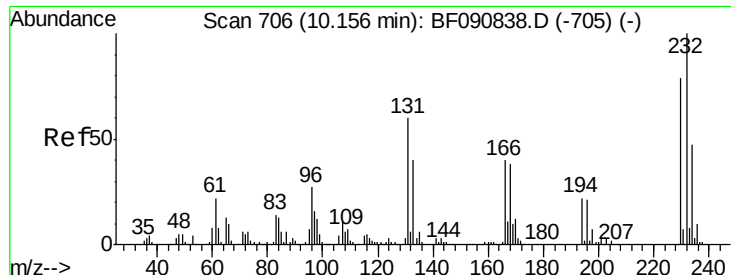
Tot Ion	Ratio	Lower	Upper
165	100		
63	50.4	29.8	44.6#
89	76.9	44.5	66.7#
182	2.1	3.0	4.4#



#57
Fluorene
Concen: 47.71 ng
RT: 10.339 min Scan# 722
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	72.6	109.0
167	13.5	10.6	16.0

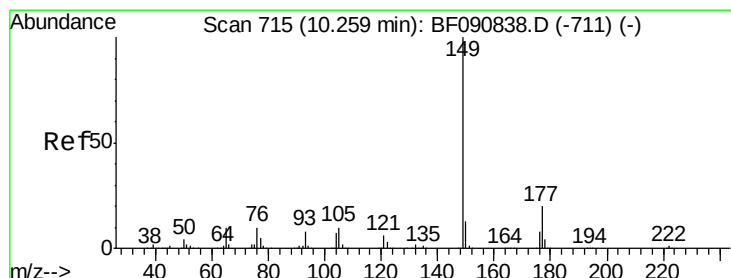
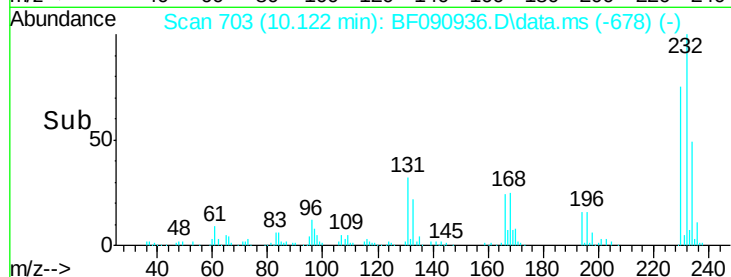
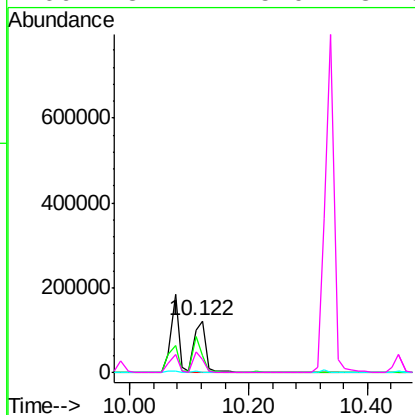
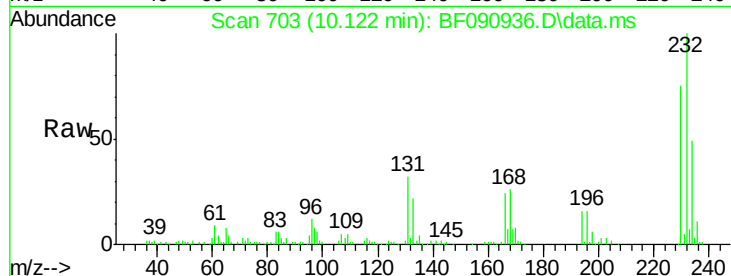




#58
2,3,4,6-Tetrachlorophenol
Concen: 36.25 ng
RT: 10.122 min Scan# 70
Delta R.T. -0.011 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

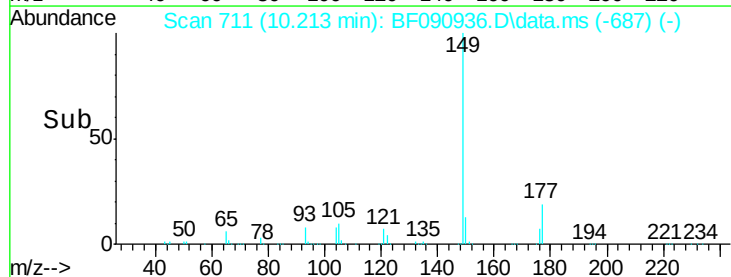
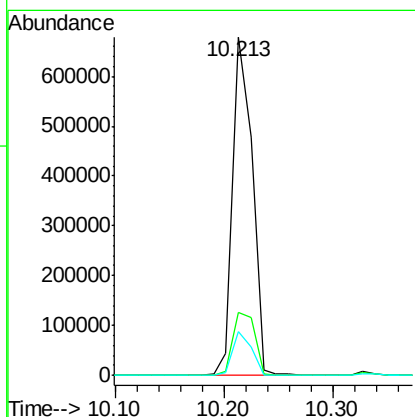
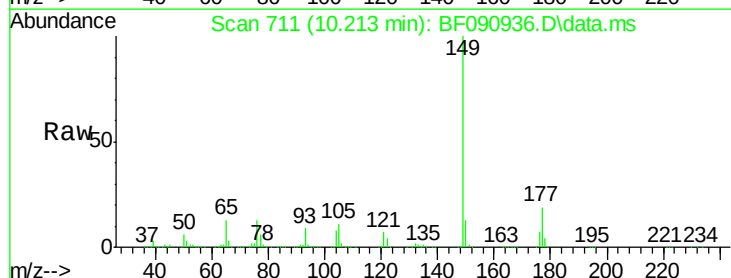
Instrument :
BNA_F
ClientSampleId :

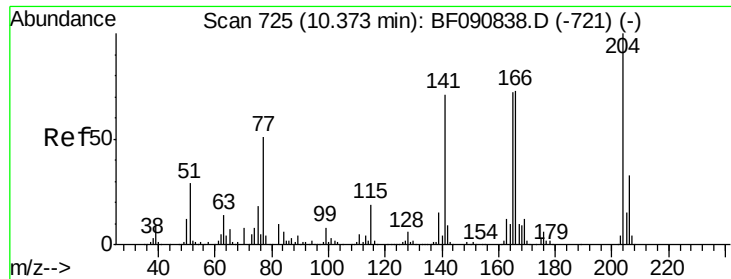
Tot Ion	Ratio	Lower	Upper
232	100		
131	53.5	38.5	57.7
130	2.3	1.8	2.6
166	32.7	25.0	37.6



#59
Diethylphthalate
Concen: 43.21 ng
RT: 10.213 min Scan# 711
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	18.8	17.5	26.3
150	13.1	9.4	14.2

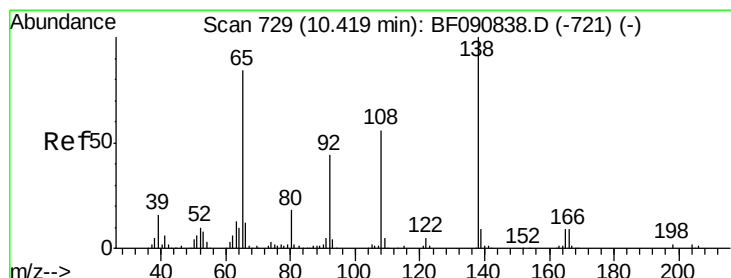
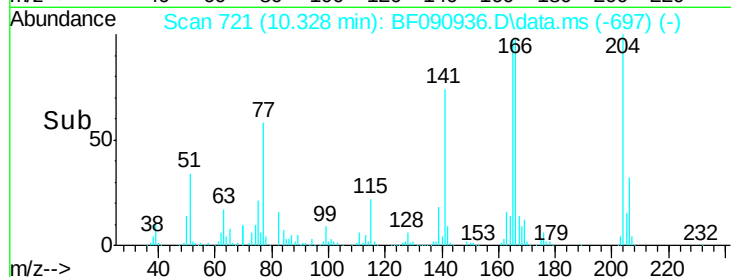
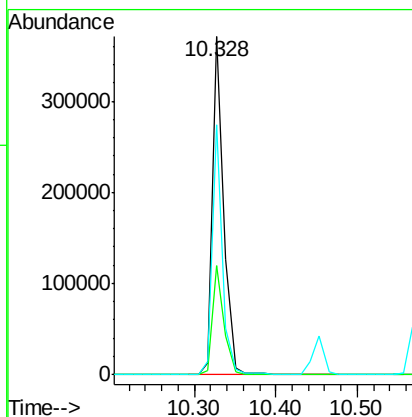
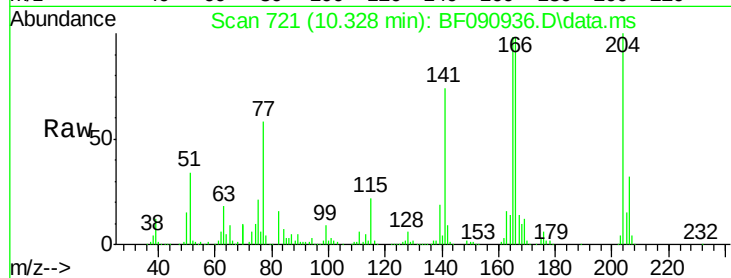




#60
4-Chlorophenyl-phenylether
Concen: 41.78 ng
RT: 10.328 min Scan# 721
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

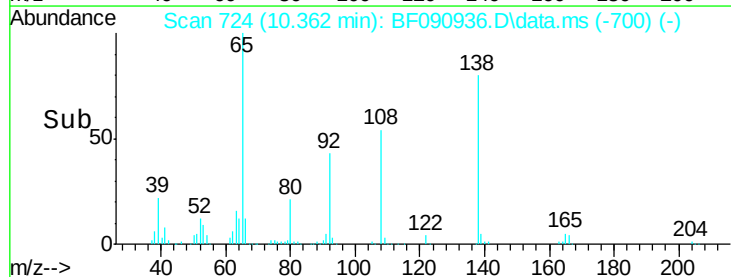
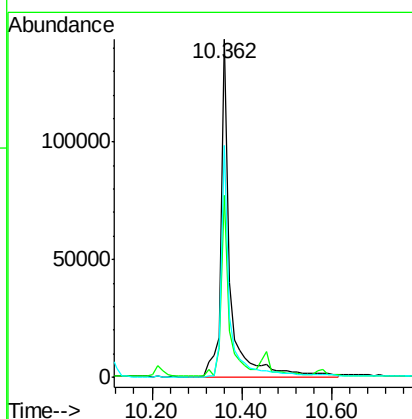
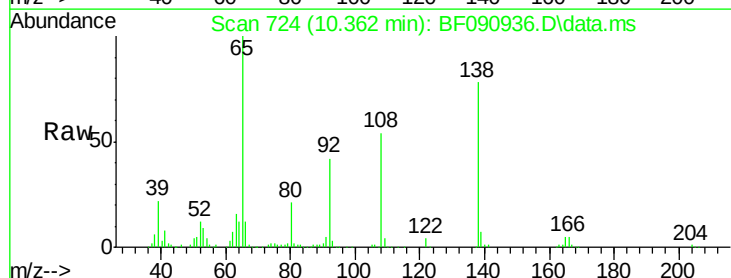
Instrument :
BNA_F
ClientSampled :

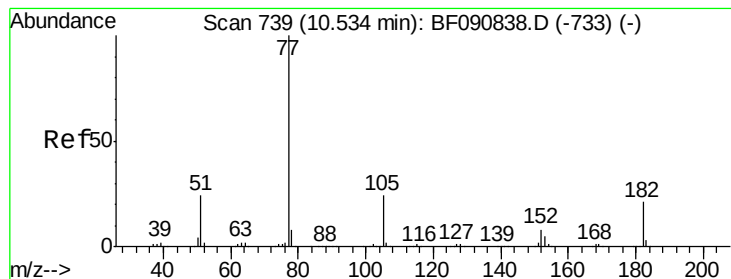
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.2	24.8	37.2
141	73.9	42.2	63.4



#61
4-Nitroaniline
Concen: 45.56 ng
RT: 10.362 min Scan# 724
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.9	12.6	52.6
108	68.4	12.4	52.4





#62

Azobenzene

Concen: 53.68 ng

RT: 10.488 min Scan# 73

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

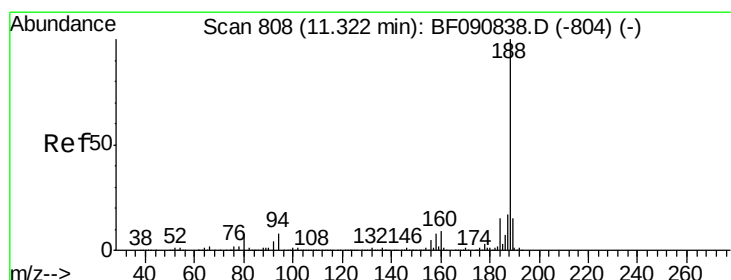
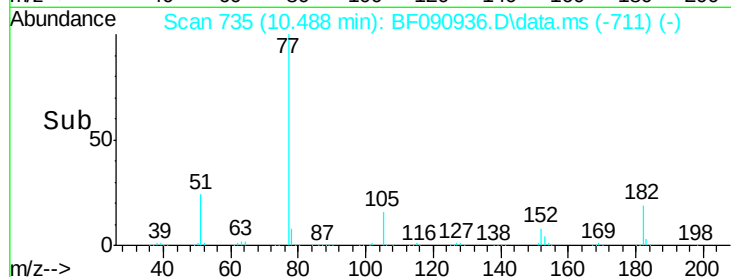
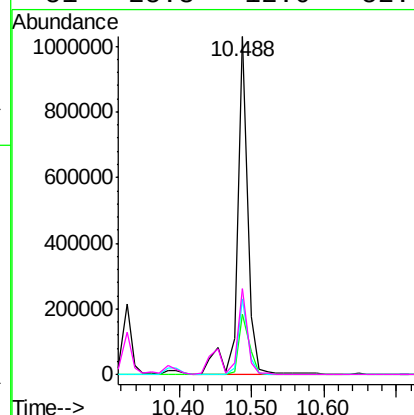
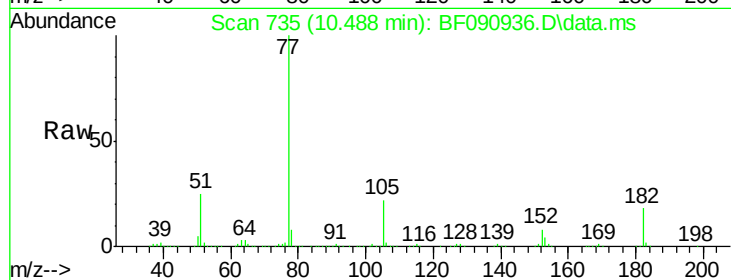
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 1022736

Ion	Ratio	Lower	Upper
77	100		
182	18.0	15.1	55.1
105	22.5	3.4	43.4
51	25.3	12.0	52.0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.265 min Scan# 803

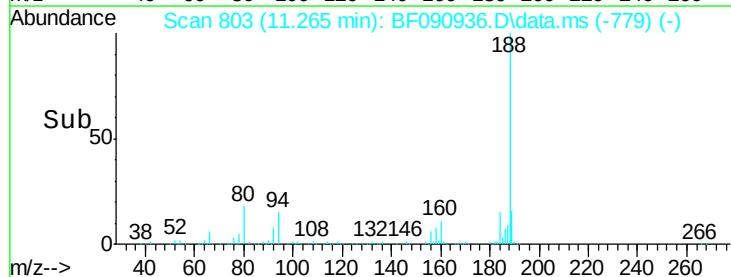
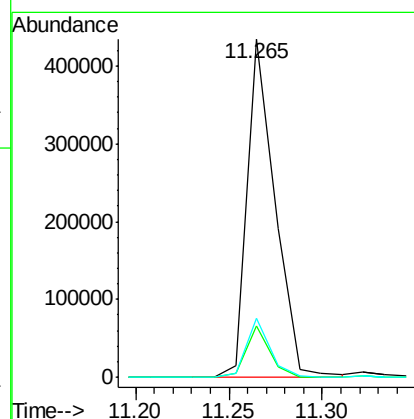
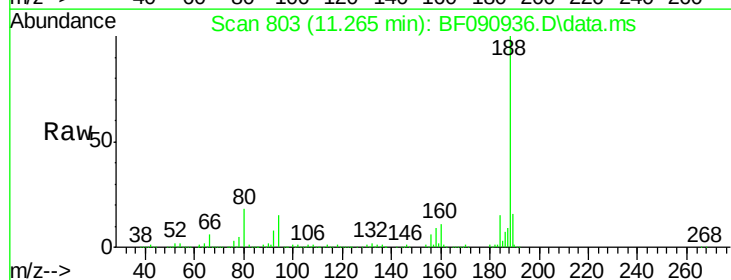
Delta R.T. -0.023 min

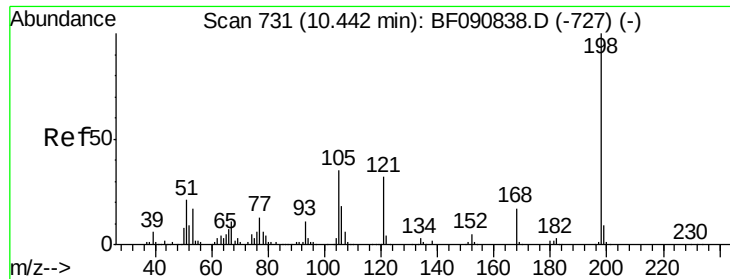
Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion: 188 Resp: 451764

Ion	Ratio	Lower	Upper
188	100		
94	15.1	11.1	16.7
80	17.6	11.0	16.4

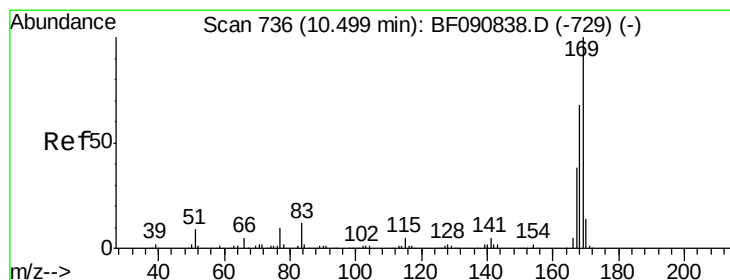
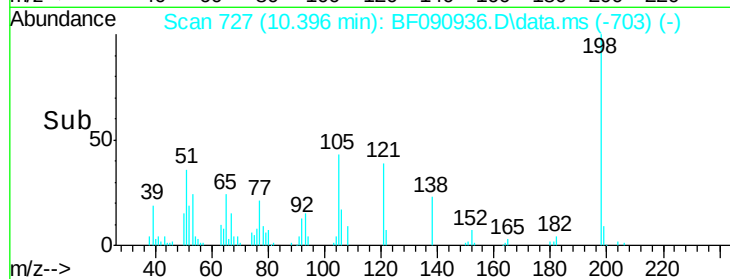
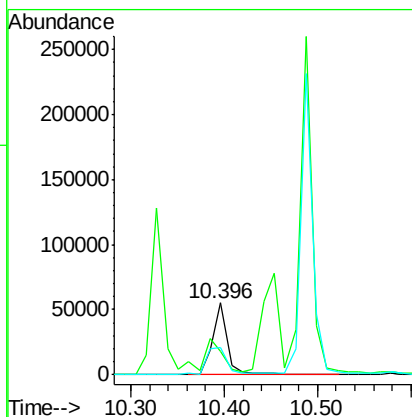
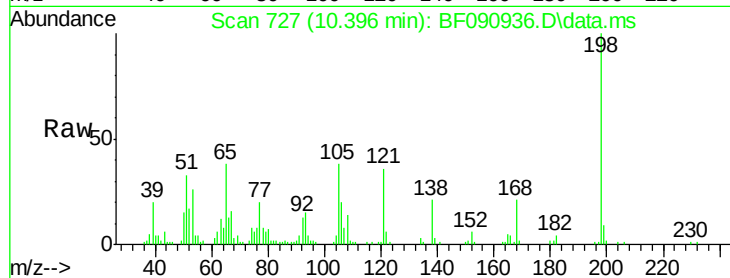




#64
4,6-Dinitro-2-methylphenol
Concen: 20.11 ng
RT: 10.396 min Scan# 72
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

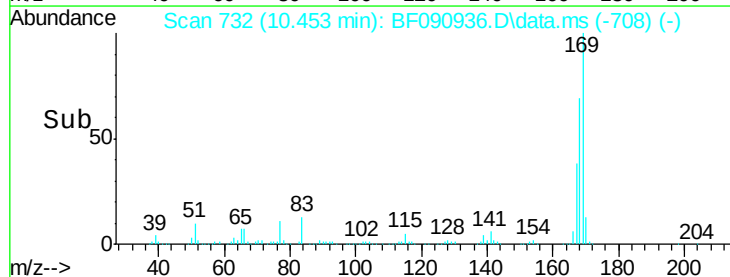
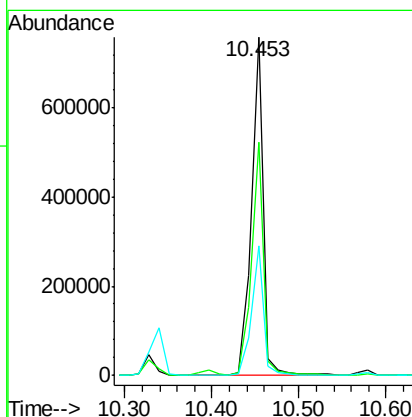
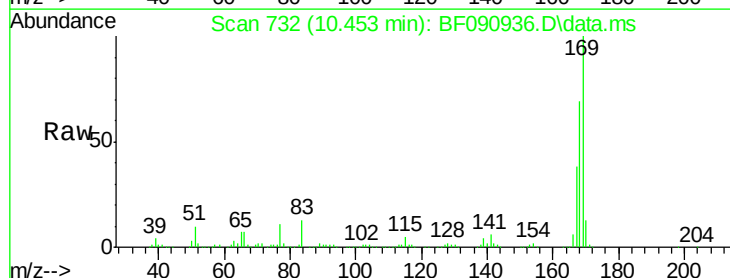
Instrument :
BNA_F
ClientSampleId :

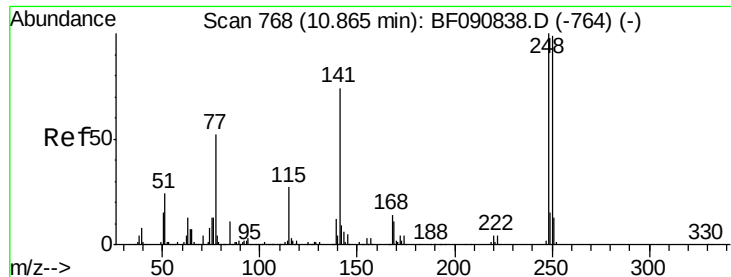
Tot Ion	Ratio	Lower	Upper
198	100		
51	32.7	39.6	79.6#
105	37.6	28.5	68.5



#65
n-Nitrosodiphenylamine
Concen: 52.54 ng
RT: 10.453 min Scan# 732
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.1	48.9	73.3
167	38.2	26.2	39.4

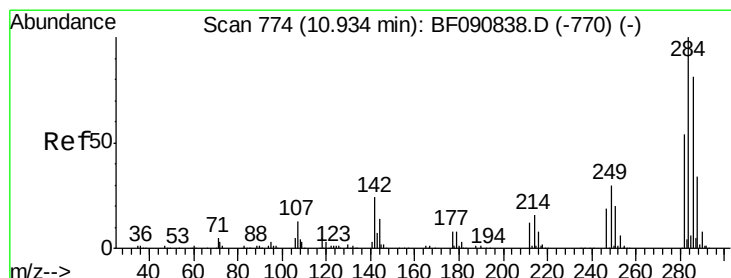
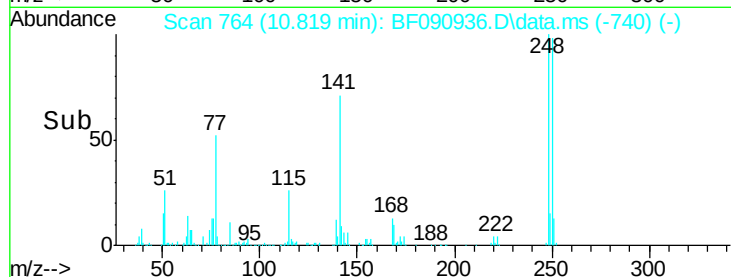
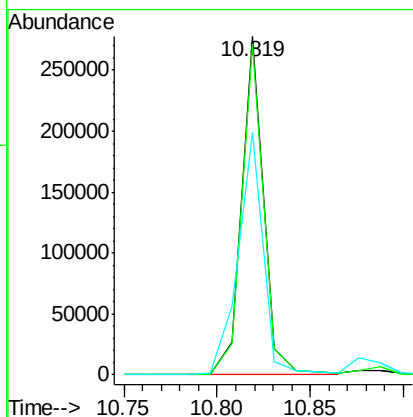
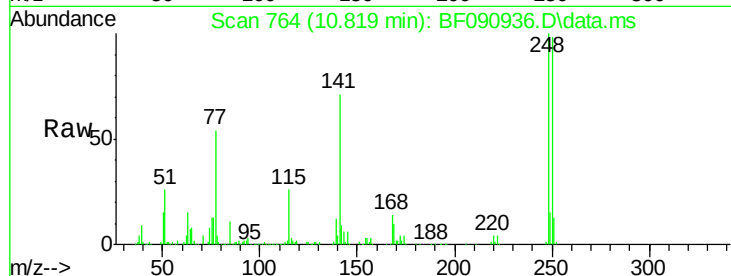




#66
4-Bromophenyl-phenylether
Concen: 46.15 ng
RT: 10.819 min Scan# 76
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

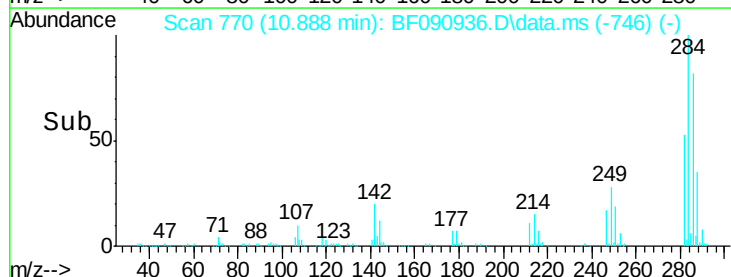
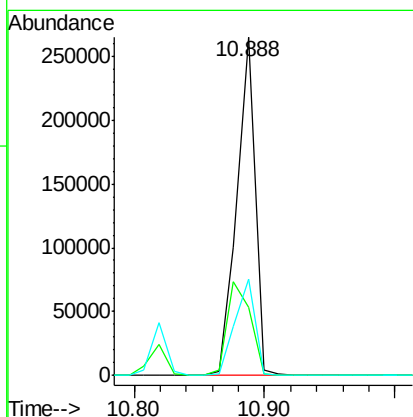
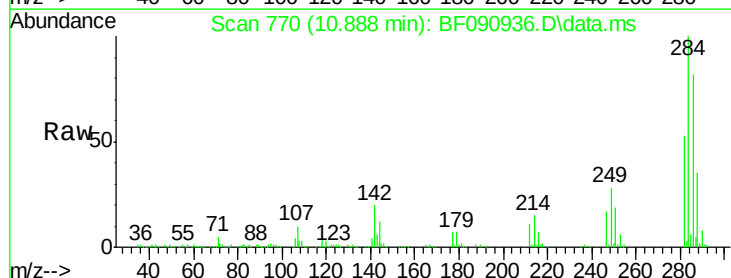
Instrument :
BNA_F
ClientSampled :

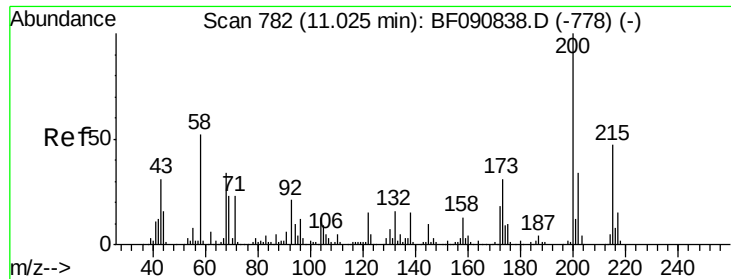
Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.5	117.7
141	71.5	59.0	88.6



#67
Hexachlorobenzene
Concen: 43.94 ng
RT: 10.888 min Scan# 770
Delta R.T. -0.023 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion	Ratio	Lower	Upper
284	100		
142	20.0	29.5	44.3#
249	28.5	19.5	29.3





#68

Atrazine

Concen: 45.21 ng

RT: 10.979 min Scan# 77

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

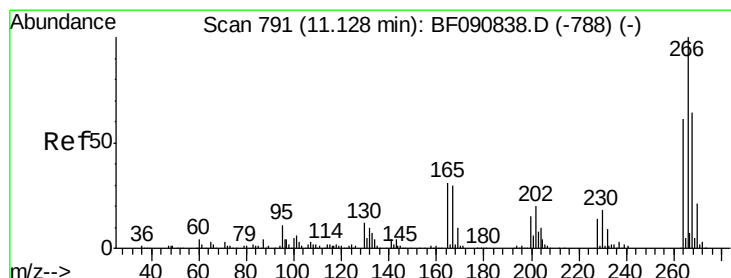
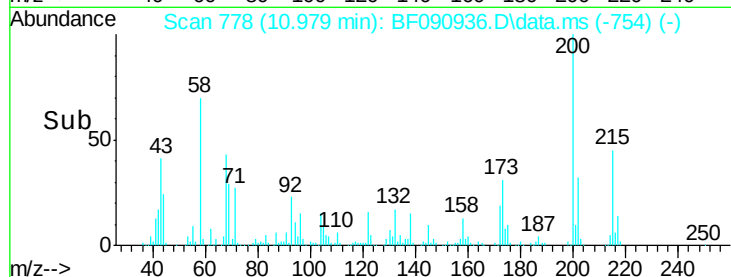
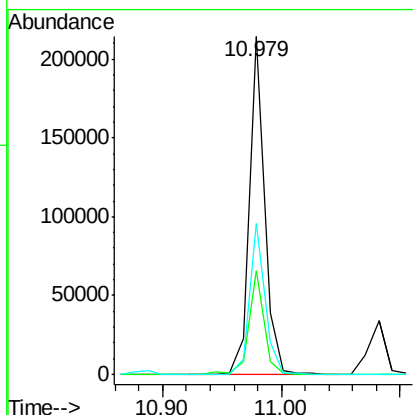
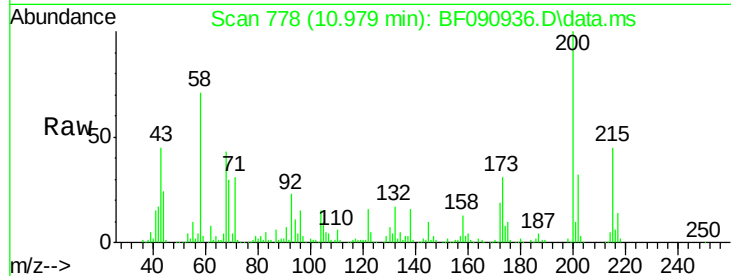
Tot Ion:200 Resp: 193535

Ion Ratio Lower Upper

200 100

173 30.6 13.2 53.2

215 44.7 41.8 81.8



#69

Pentachlorophenol

Concen: 60.09 ng

RT: 11.082 min Scan# 787

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

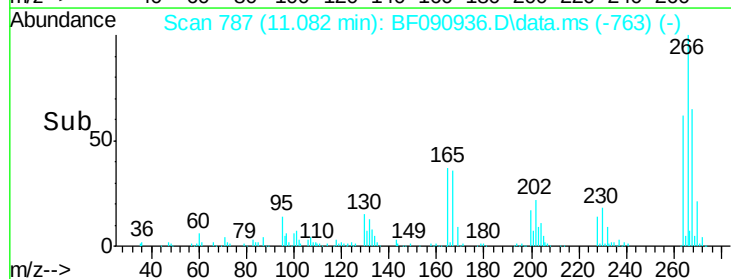
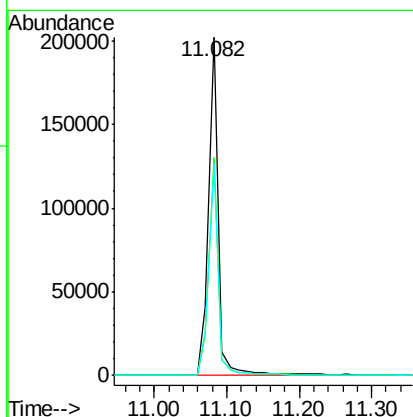
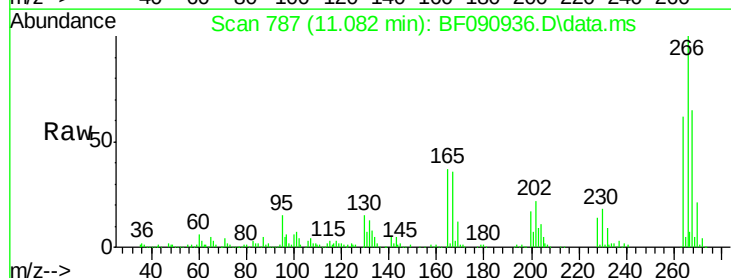
Tgt Ion:266 Resp: 188732

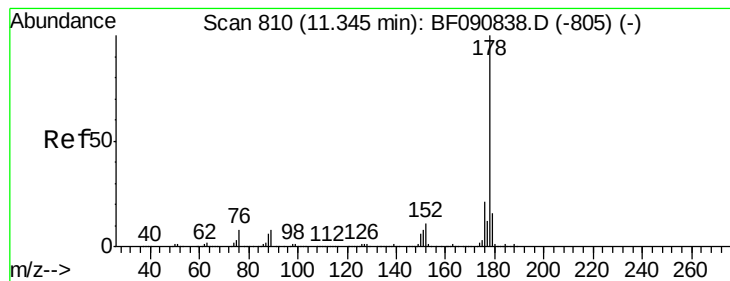
Ion Ratio Lower Upper

266 100

268 64.6 49.8 74.6

264 62.4 50.2 75.2





#70

Phenanthrene

Concen: 48.80 ng

RT: 11.288 min Scan# 80

Delta R.T. -0.034 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

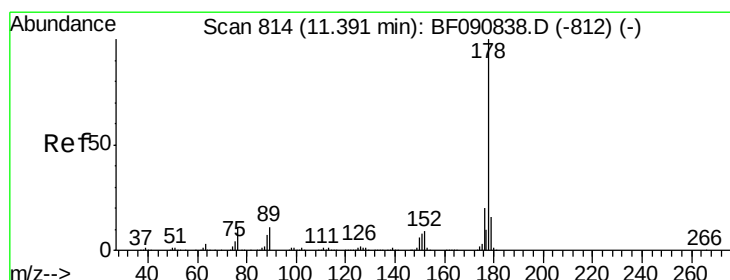
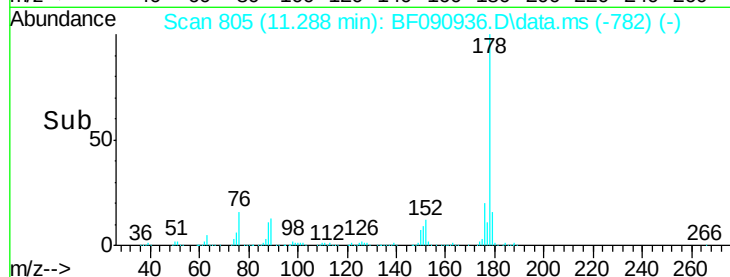
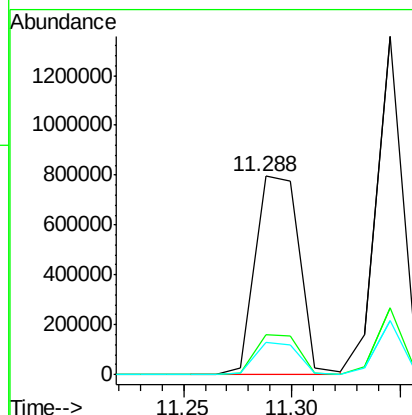
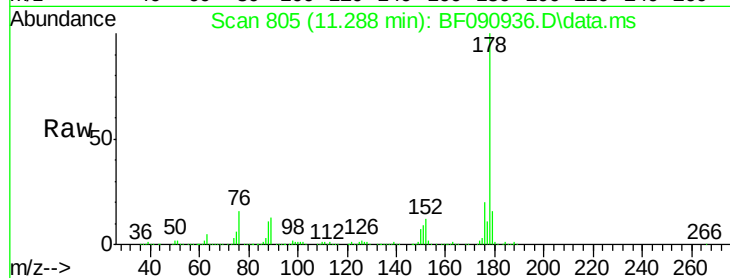
Tot Ion:178 Resp: 1122722

Ion Ratio Lower Upper

178 100

176 20.1 13.8 20.8

179 16.1 12.2 18.2



#71

Anthracene

Concen: 49.44 ng

RT: 11.345 min Scan# 810

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

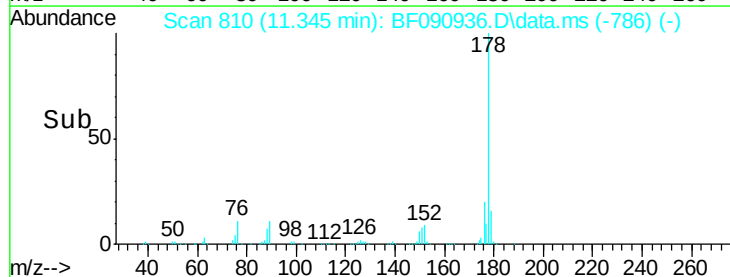
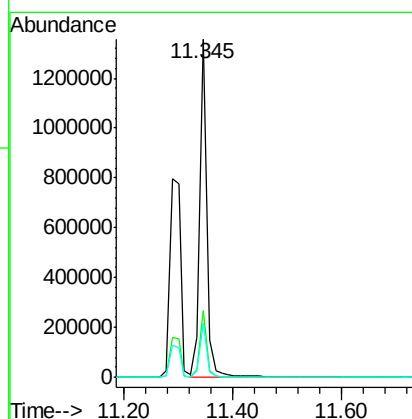
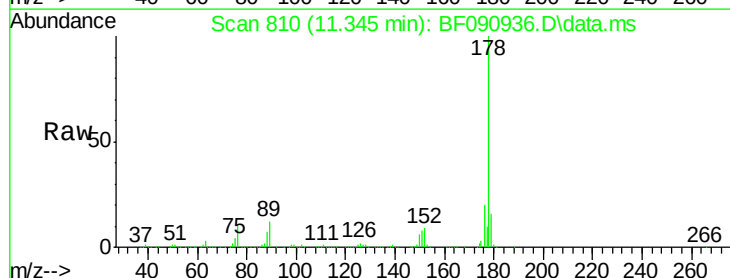
Tgt Ion:178 Resp: 1197717

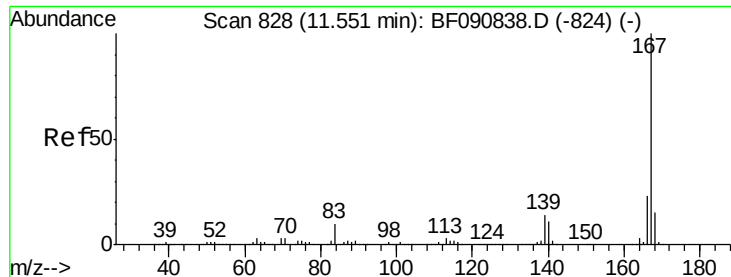
Ion Ratio Lower Upper

178 100

176 19.8 14.1 21.1

179 15.8 12.2 18.2





#72

Carbazole

Concen: 52.27 ng

RT: 11.505 min Scan# 82

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

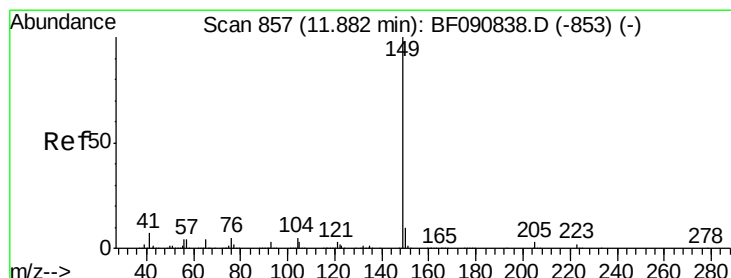
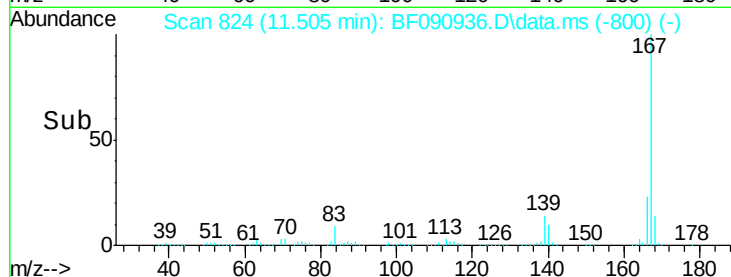
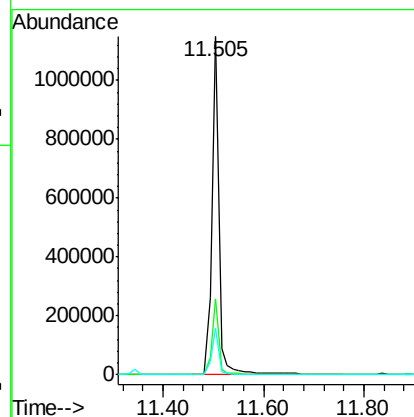
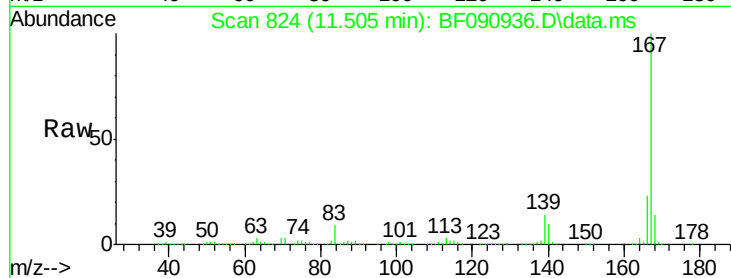
Tot Ion:167 Resp: 1118134

Ion Ratio Lower Upper

167 100

166 22.5 15.7 23.5

139 13.8 9.5 14.3



#73

Di-n-butylphthalate

Concen: 44.76 ng

RT: 11.836 min Scan# 853

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

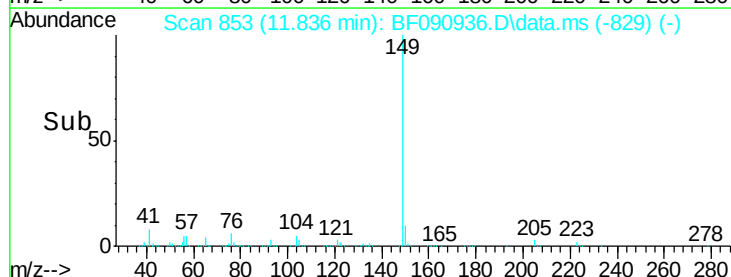
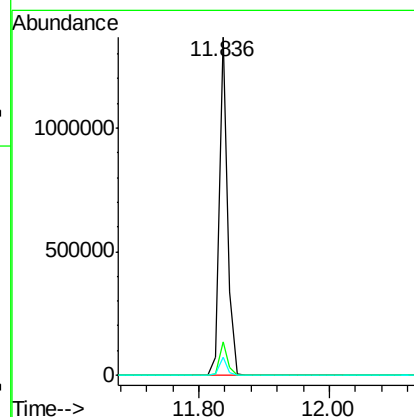
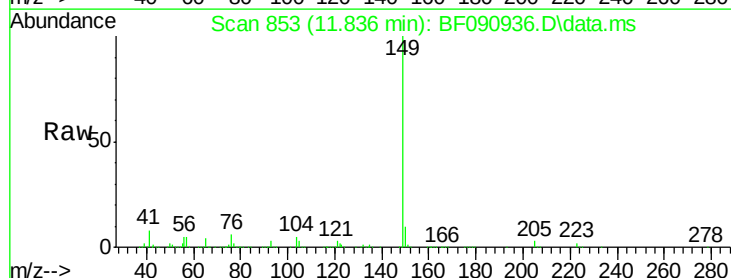
Tgt Ion:149 Resp: 1234254

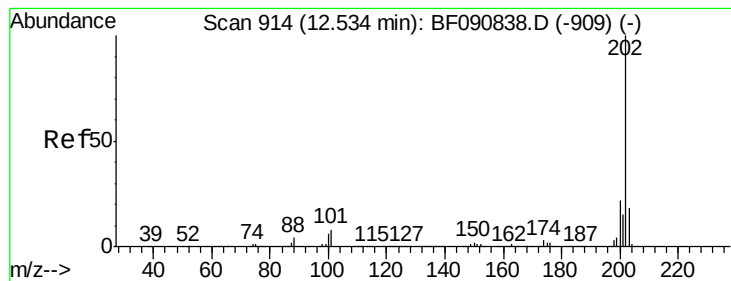
Ion Ratio Lower Upper

149 100

150 9.8 7.4 11.2

104 5.4 2.4 3.6#





#74

Fluoranthene

Concen: 43.52 ng

RT: 12.476 min Scan# 90

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

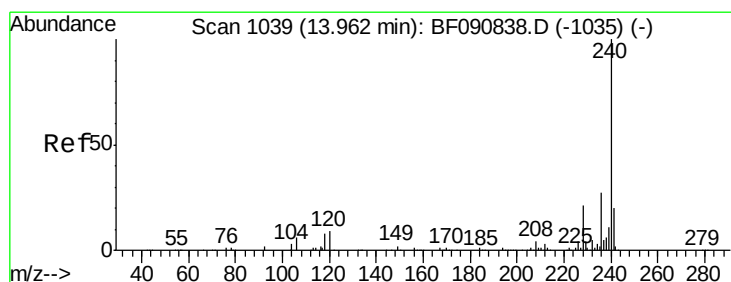
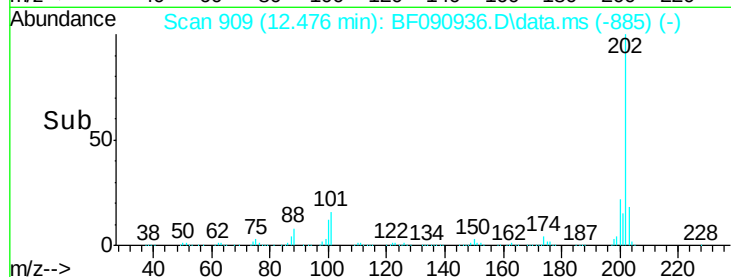
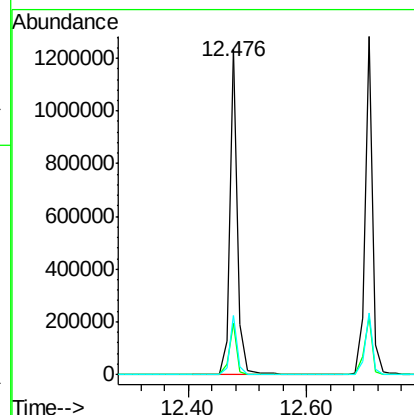
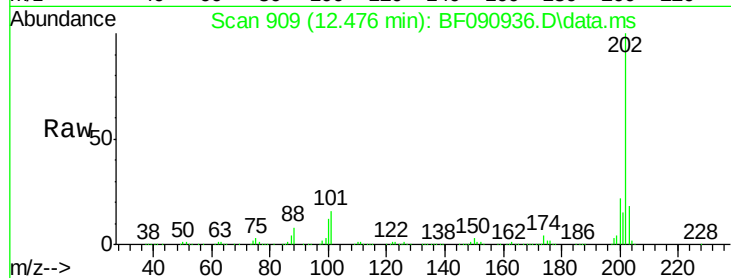
Tot Ion:202 Resp: 1096527

Ion Ratio Lower Upper

202 100

101 15.6 0.0 38.3

203 18.3 0.0 37.3



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.905 min Scan# 1034

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

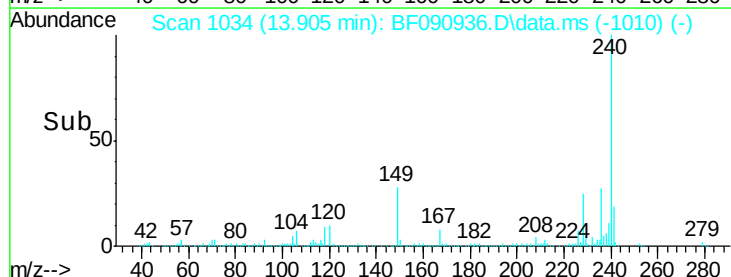
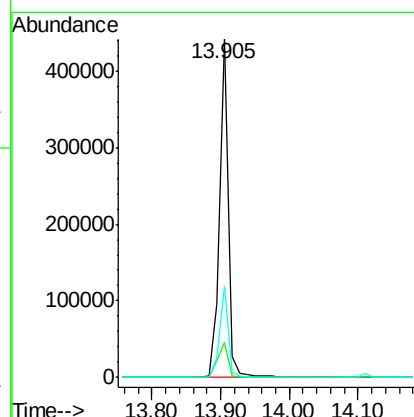
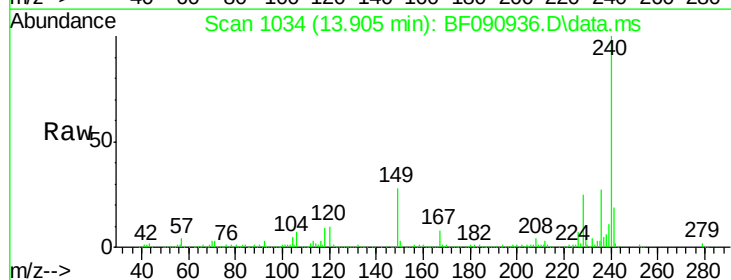
Tgt Ion:240 Resp: 399599

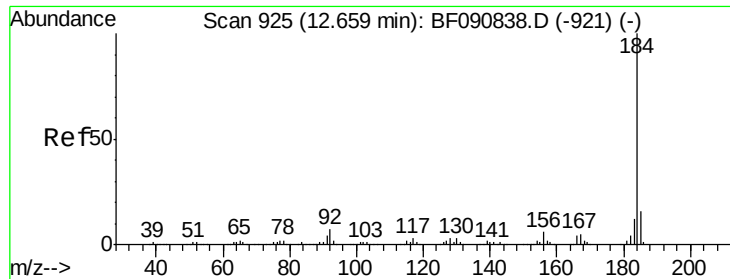
Ion Ratio Lower Upper

240 100

120 10.4 16.2 24.2#

236 26.9 18.4 27.6





#76

Benzidine

Concen: 25.12 ng

RT: 12.602 min Scan# 92

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

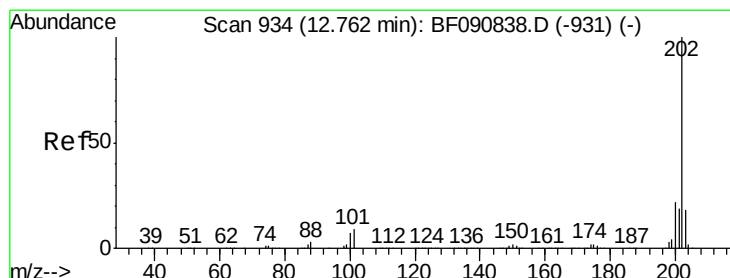
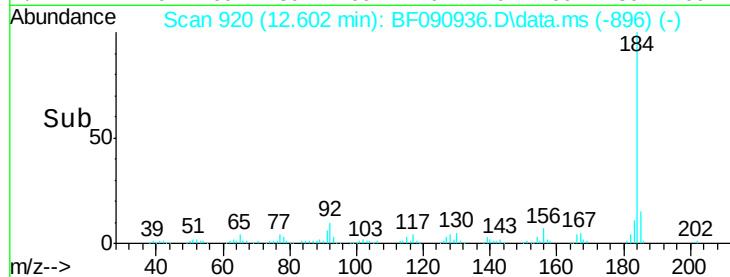
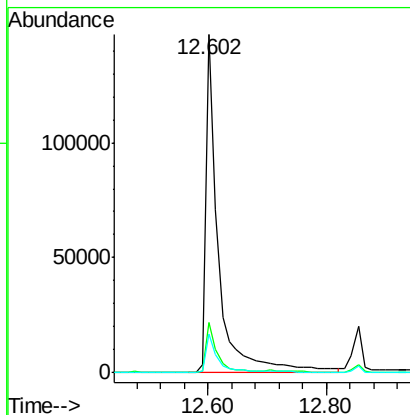
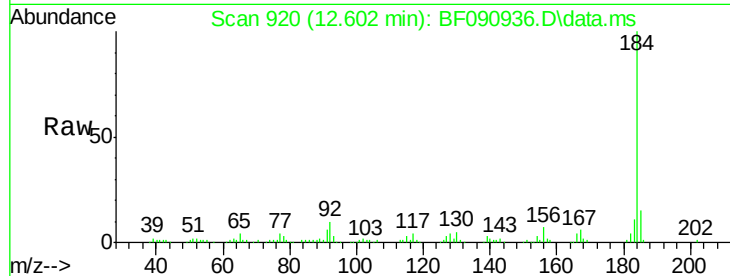
Tot Ion:184 Resp: 219146

Ion Ratio Lower Upper

184 100

185 14.7 11.8 17.6

183 11.3 7.6 11.4



#77

Pyrene

Concen: 44.24 ng

RT: 12.705 min Scan# 929

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

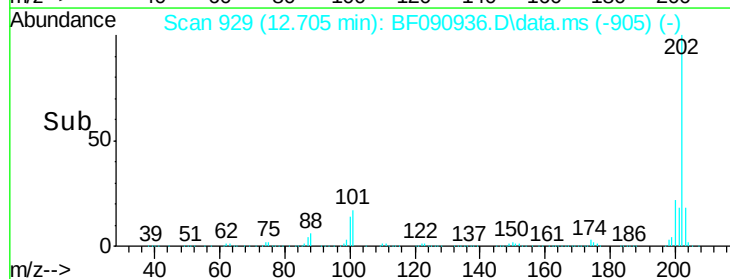
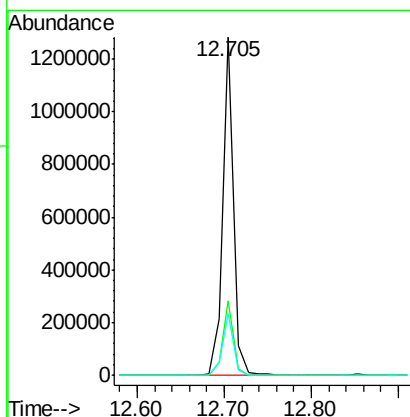
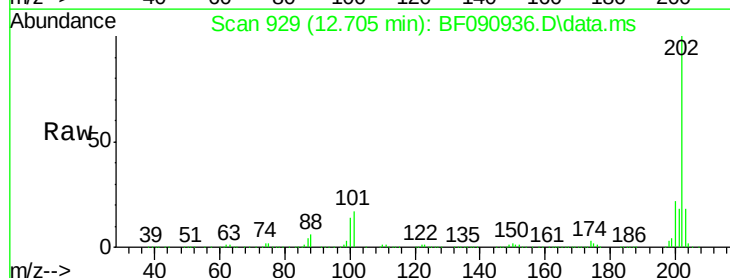
Tgt Ion:202 Resp: 1118665

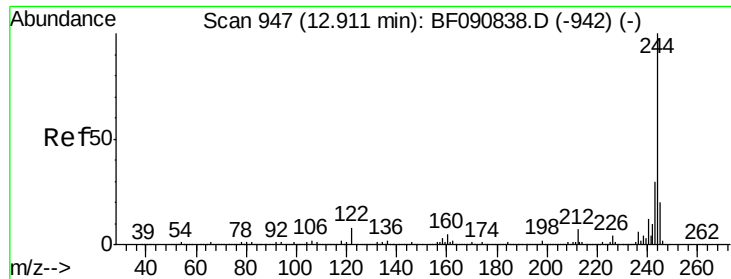
Ion Ratio Lower Upper

202 100

200 22.1 15.0 22.4

203 18.1 14.1 21.1





#78

Terphenyl-d14

Concen: 83.09 ng

RT: 12.854 min Scan# 94

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampled :

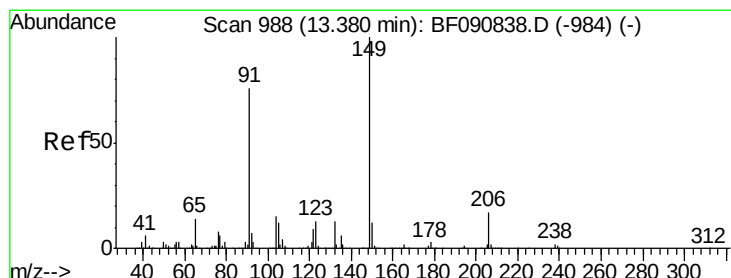
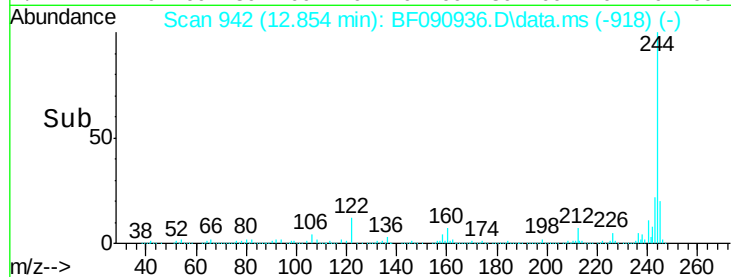
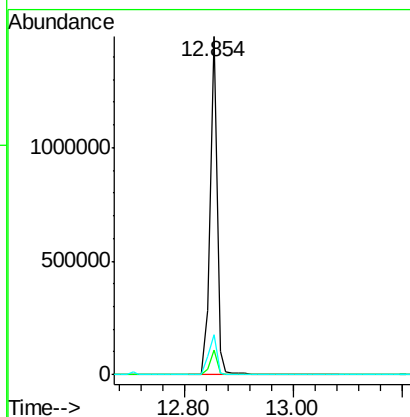
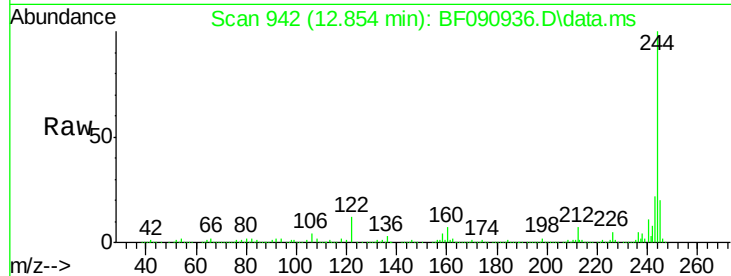
Tot Ion:244 Resp: 1317891

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

122 11.9 17.4 26.2#



#79

Butylbenzylphthalate

Concen: 50.37 ng

RT: 13.334 min Scan# 984

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

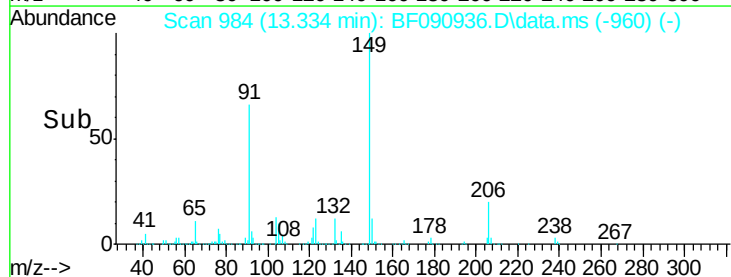
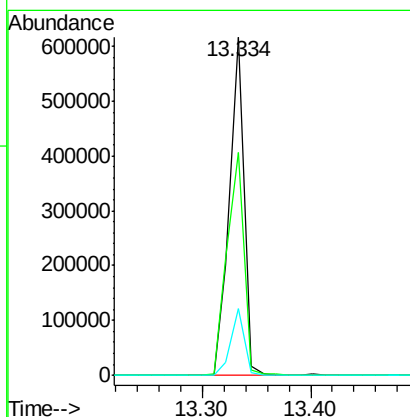
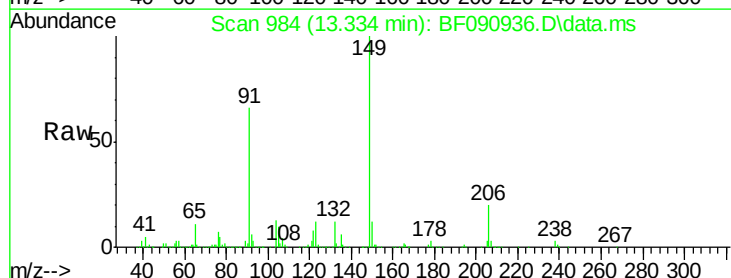
Tgt Ion:149 Resp: 577899

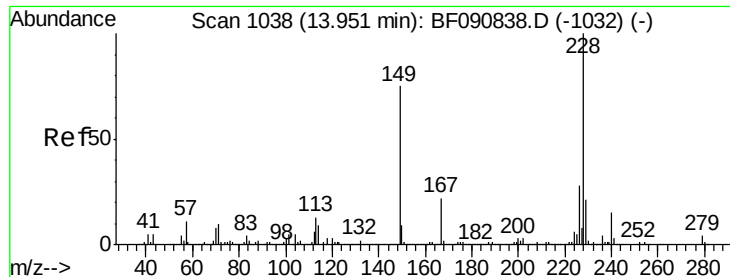
Ion Ratio Lower Upper

149 100

91 66.0 48.6 72.8

206 19.6 14.9 22.3





#80

Benzo(a)anthracene

Concen: 46.42 ng

RT: 13.894 min Scan# 1033

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

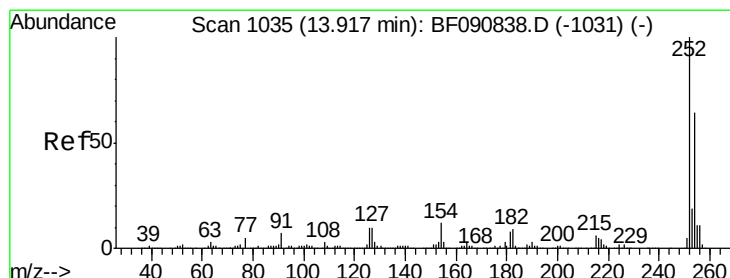
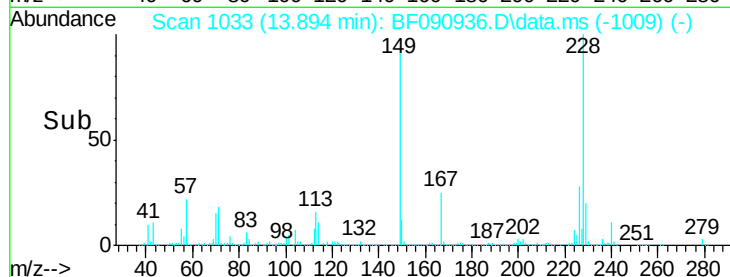
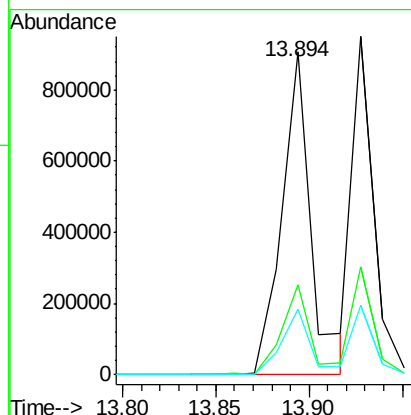
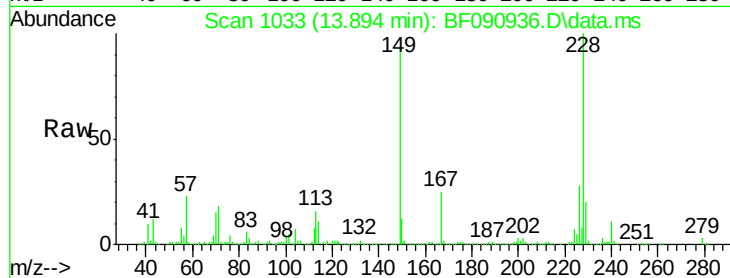
Tot Ion:228 Resp: 984478

Ion Ratio Lower Upper

228 100

226 28.0 20.0 30.0

229 20.3 15.4 23.2



#81

3,3'-Dichlorobenzidine

Concen: 18.43 ng

RT: 13.859 min Scan# 1030

Delta R.T. -0.034 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

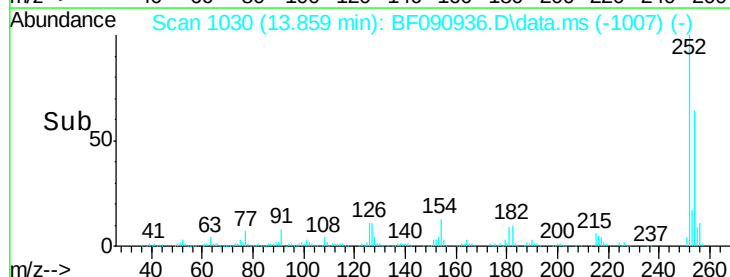
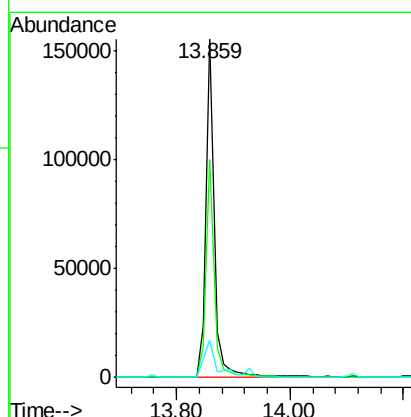
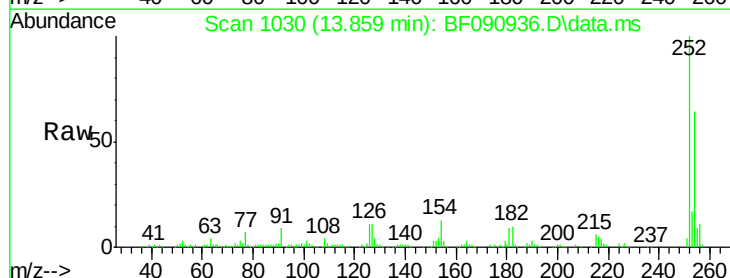
Tgt Ion:252 Resp: 151760

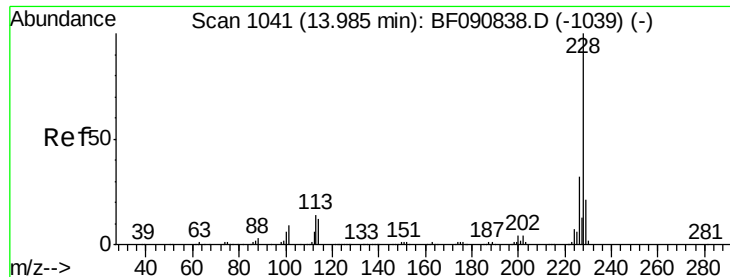
Ion Ratio Lower Upper

252 100

254 64.4 51.4 77.2

126 11.2 16.4 24.6#





#82

Chrysene

Concen: 45.90 ng

RT: 13.894 min Scan# 1041

Delta R.T. -0.068 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

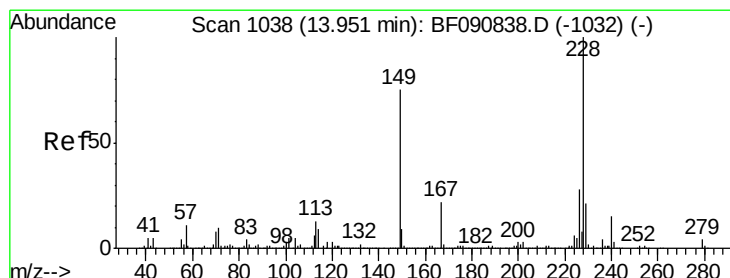
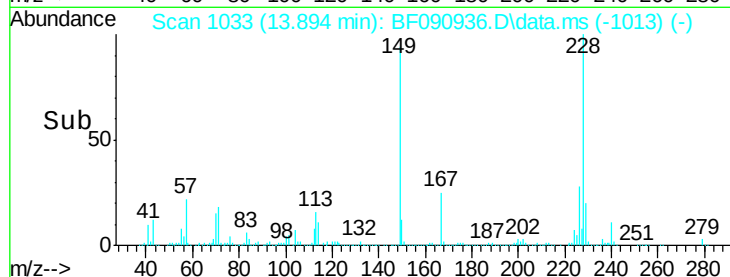
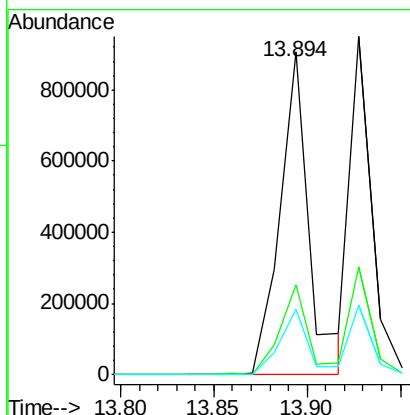
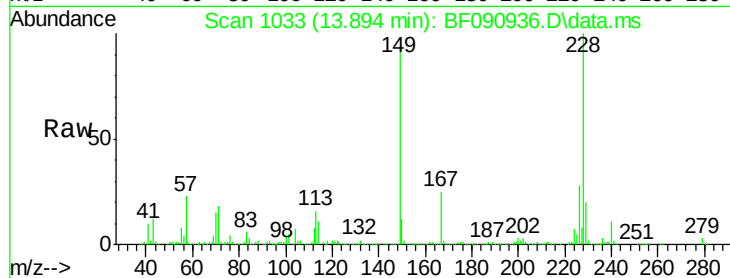
Tot Ion:228 Resp: 984478

Ion Ratio Lower Upper

228 100

226 28.0 21.0 31.4

229 20.3 15.6 23.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 49.61 ng

RT: 13.894 min Scan# 1033

Delta R.T. -0.023 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

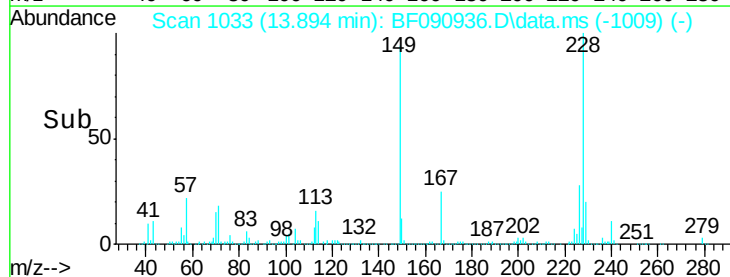
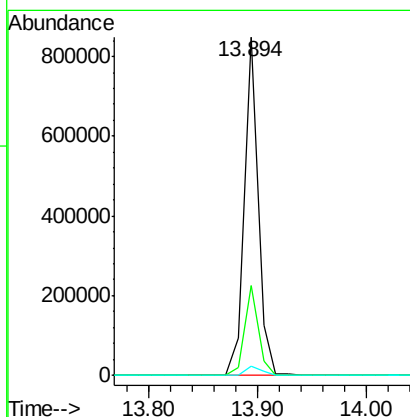
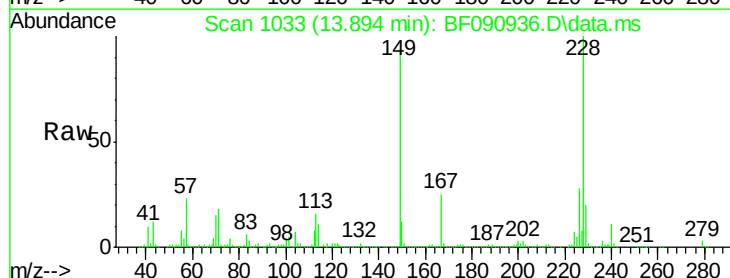
Tgt Ion:149 Resp: 741312

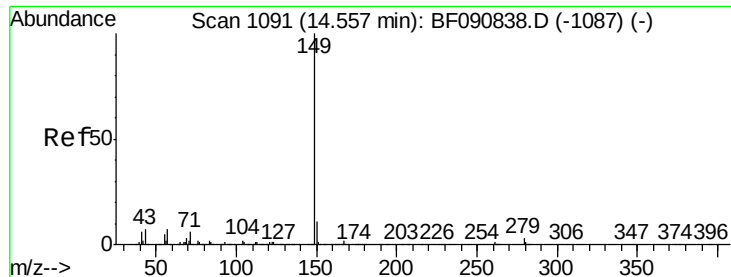
Ion Ratio Lower Upper

149 100

167 26.4 24.2 36.2

279 2.8 3.8 5.6#





#84

Di-n-octyl phthalate

Concen: 43.76 ng

RT: 14.499 min Scan# 10

Delta R.T. -0.034 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

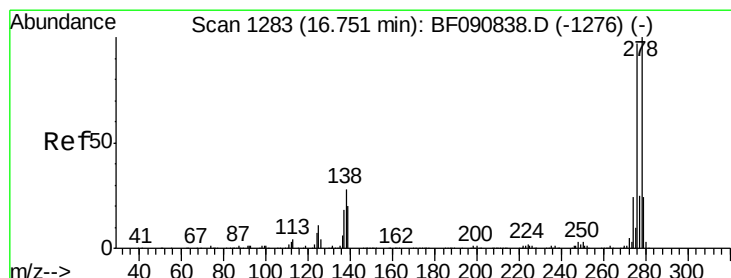
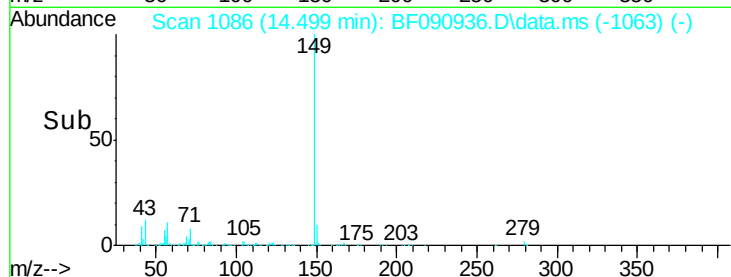
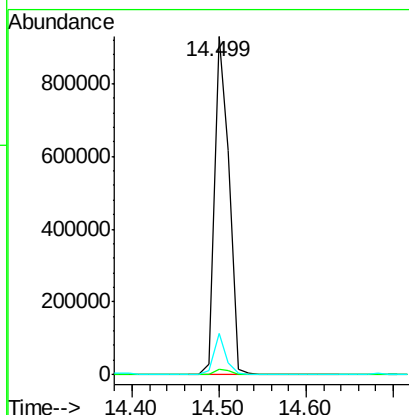
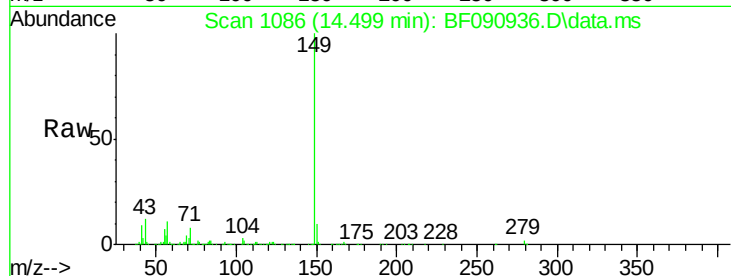
Tot Ion:149 Resp: 1097866

Ion Ratio Lower Upper

149 100

167 1.5 1.0 1.6

43 9.6 10.2 15.2#



#85

Indeno(1,2,3-cd)pyrene

Concen: 37.43 ng

RT: 16.637 min Scan# 1273

Delta R.T. -0.068 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

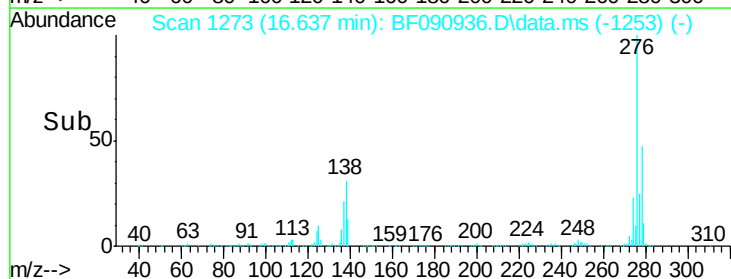
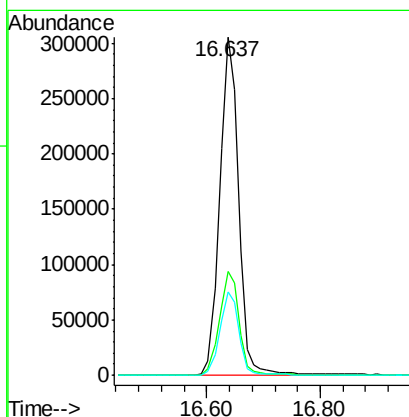
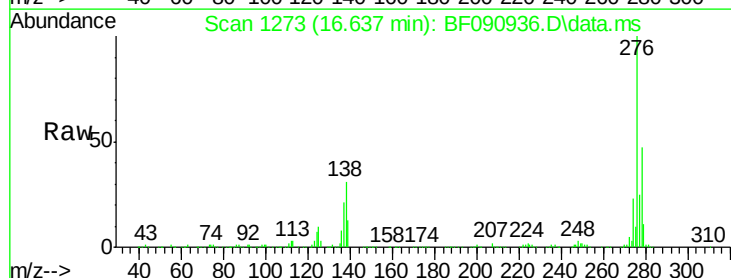
Tgt Ion:276 Resp: 711584

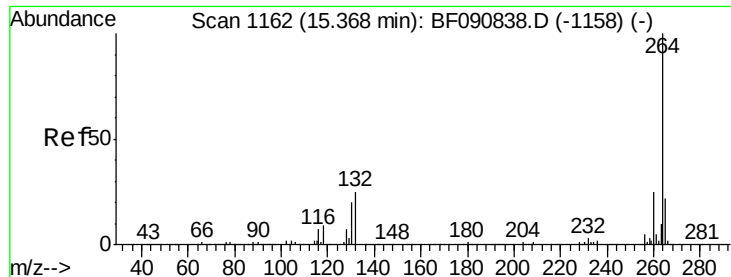
Ion Ratio Lower Upper

276 100

138 32.1 25.7 38.5

277 24.9 15.6 23.4#



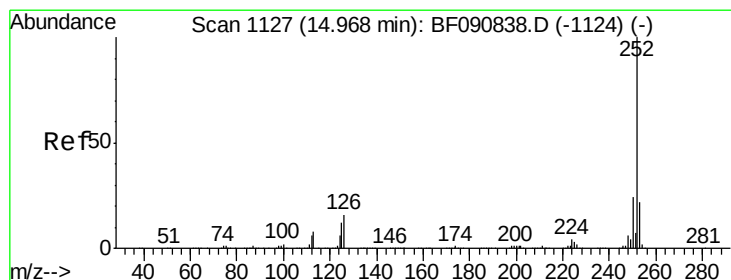
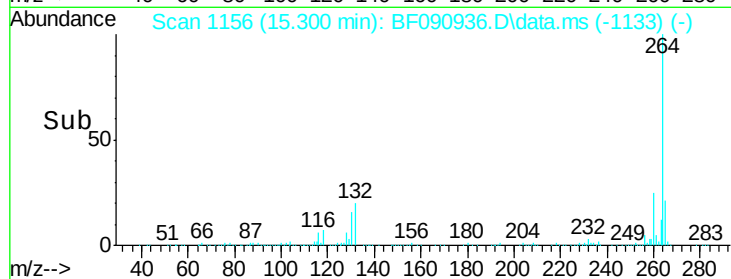
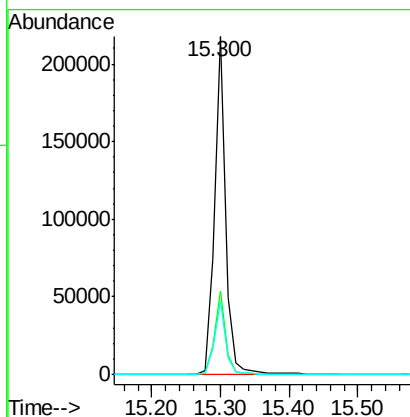
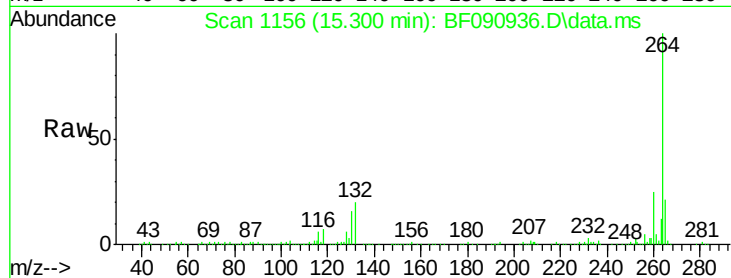


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.300 min Scan# 111
Delta R.T. -0.034 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 249700

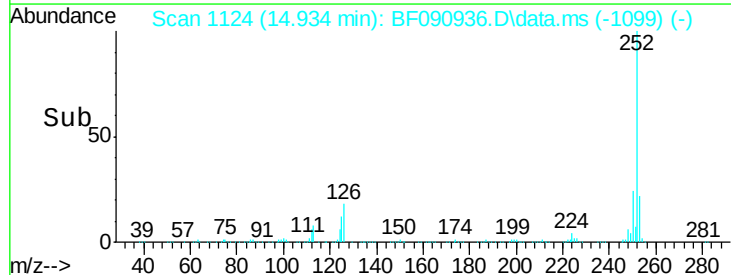
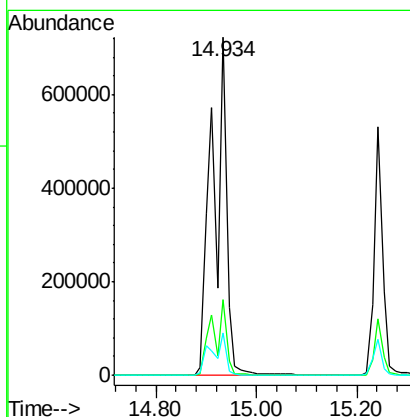
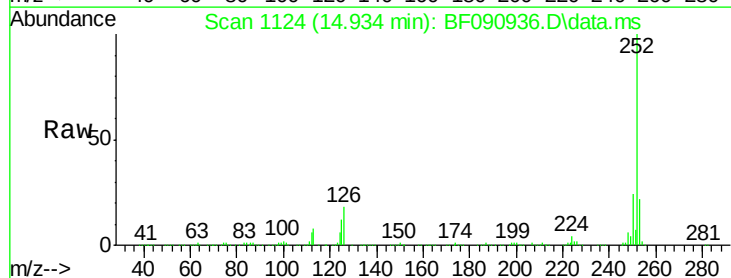
Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.7	25.1
265	21.5	17.2	25.8

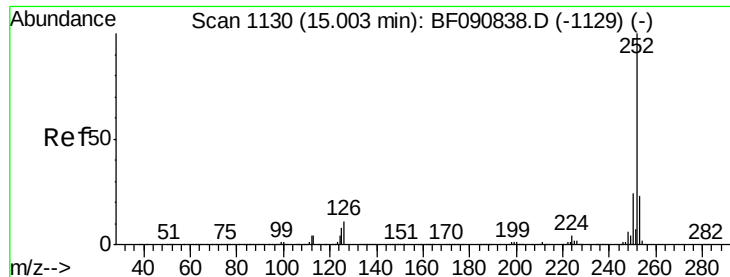


#87
Benzo(b)fluoranthene
Concen: 84.10 ng
RT: 14.934 min Scan# 1124
Delta R.T. -0.011 min
Lab File: BF090936.D
Acq: 31 Oct 2016 18:55

Tgt Ion:252 Resp: 1412082

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	12.4	17.1	25.7#





#88

Benzo(k)fluoranthene

Concen: 106.50 ng

RT: 14.934 min Scan# 111

Delta R.T. -0.034 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

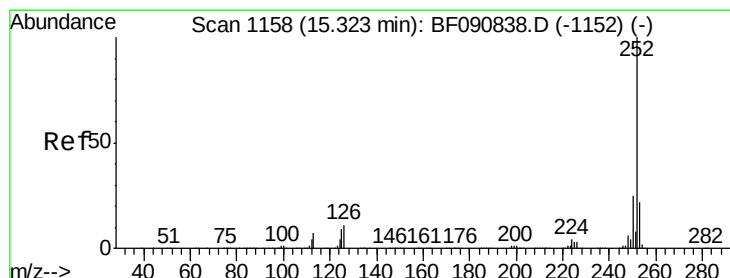
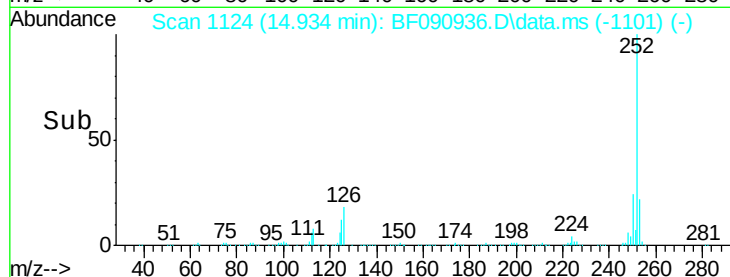
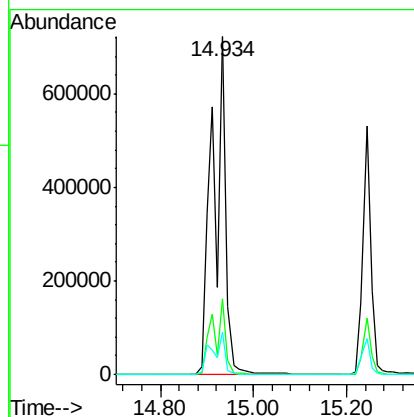
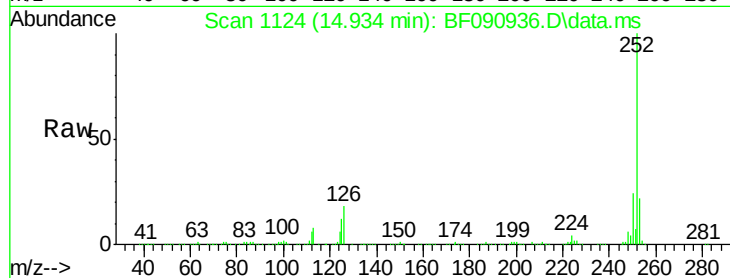
Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 1413186

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	12.4	16.0	24.0#



#89

Benzo(a)pyrene

Concen: 43.51 ng

RT: 15.242 min Scan# 1151

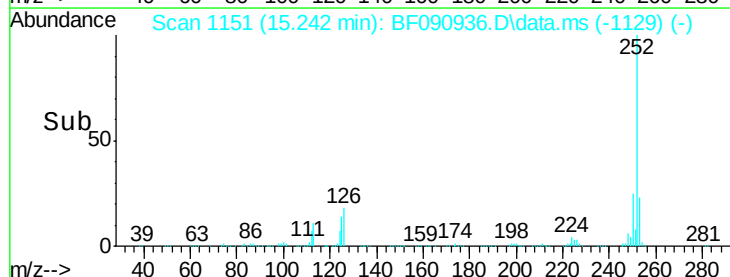
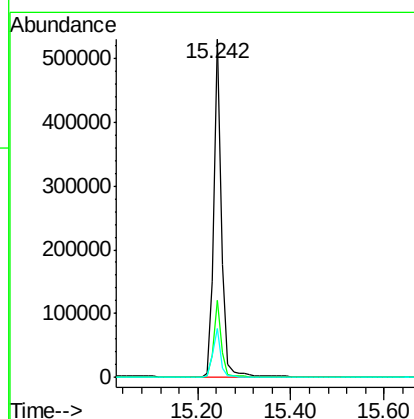
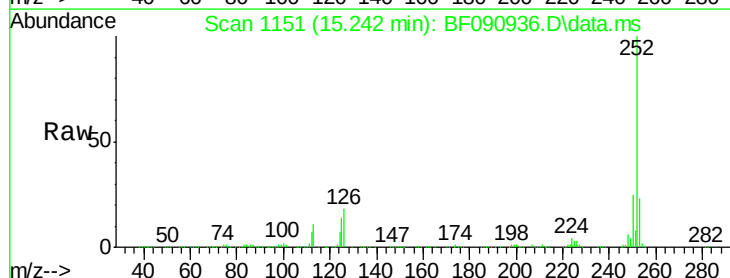
Delta R.T. -0.046 min

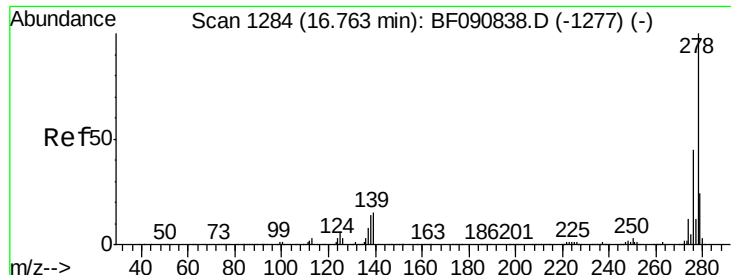
Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion:252 Resp: 627733

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	14.4	18.0	27.0#





#90

Dibenzo(a,h)anthracene

Concen: 50.58 ng

RT: 16.648 min Scan# 12

Delta R.T. -0.068 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Instrument :

BNA_F

ClientSampleId :

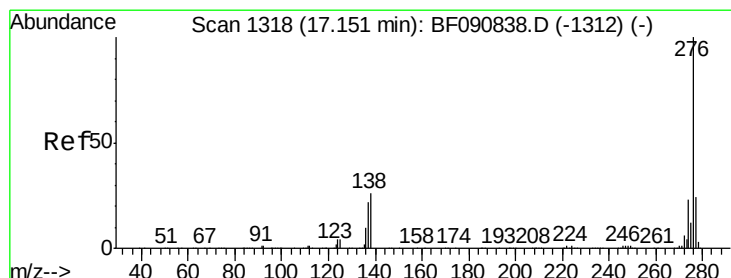
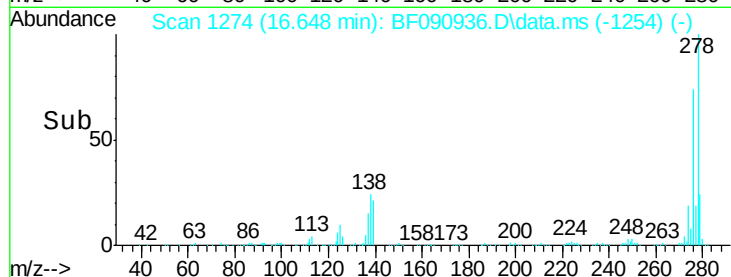
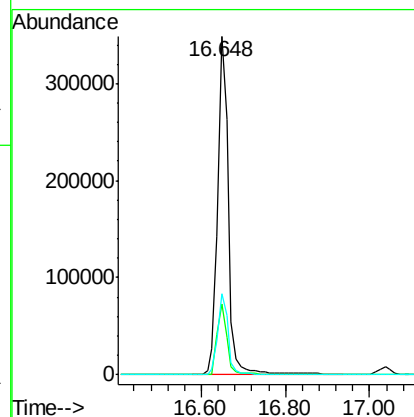
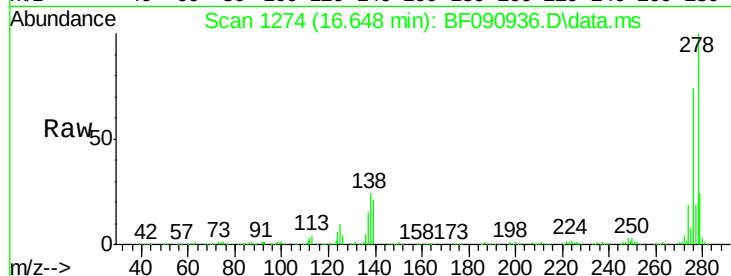
Tot Ion:278 Resp: 617756

Ion Ratio Lower Upper

278 100

139 20.7 26.3 39.5#

279 24.0 18.2 27.4



#91

Benzo(g,h,i)perylene

Concen: 51.37 ng

RT: 17.037 min Scan# 1308

Delta R.T. -0.068 min

Lab File: BF090936.D

Acq: 31 Oct 2016 18:55

Tgt Ion:276 Resp: 590853

Ion Ratio Lower Upper

276 100

277 24.2 17.8 26.6

138 28.7 34.6 51.8#

