

Data Path : Z:\HPCHEM1\BNA F\Data\BF040617\
 Data File : BF094230.D
 Acq On : 6 Apr 2017 16:07
 Operator : SJ/MA
 Sample : I2537-06MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

Quant Time: Apr 06 16:38:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.851	152	154897	20.00	ng	-0.05
21) Naphthalene-d8	7.357	136	642989	20.00	ng	-0.05
38) Acenaphthene-d10	9.498	164	296450	20.00	ng	-0.05
63) Phenanthrene-d10	11.321	188	514658	20.00	ng	-0.05
75) Chrysene-d12	14.568	240	360473	20.00	ng	-0.06
86) Perylene-d12	16.192	264	262961	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	4.392	112	1048258	114.30	ng	-0.04
7) Phenol-d6	5.463	99	1331149	117.33	ng	-0.05
23) Nitrobenzene-d5	6.504	82	832437	73.88	ng	-0.05
41) 2,4,6-Tribromophenol	10.474	330	282899	120.76	ng	-0.05
44) 2-Fluorobiphenyl	8.680	172	1439858	74.08	ng	-0.05
78) Terphenyl-d14	13.298	244	1142406	71.04	ng	-0.05

Target Compounds						Qvalue
2) 1,4-Dioxane	2.234	88	139538	31.67	ng	98
3) Pyridine	2.722	79	366337	30.51	ng	97
4) n-Nitrosodimethylamine	2.681	42	187959	38.04	ng	91
6) Aniline	5.475	93	388745	24.63	ng	# 1
8) 2-Chlorophenol	5.616	128	417581	41.43	ng	99
9) Benzaldehyde	5.345	77	207967	27.15	ng	99
10) Phenol	5.481	94	589197	45.64	ng	95
11) bis(2-Chloroethyl)ether	5.563	93	388884	38.54	ng	97
12) 1,3-Dichlorobenzene	5.786	146	439044	38.83	ng	100
13) 1,4-Dichlorobenzene	5.875	146	443770	38.75	ng	98
14) 1,2-Dichlorobenzene	6.045	146	418450	39.68	ng	97
15) Benzyl Alcohol	6.022	79	345648	41.62	ng	99
16) 2,2'-oxybis(1-Chloropr...	6.186	45	553872	35.63	ng	98
17) 2-Methylphenol	6.163	107	354302	41.04	ng	97
18) Hexachloroethane	6.439	117	153097	38.03	ng	# 82
19) n-Nitroso-di-n-propyla...	6.339	70	292107	40.06	ng	96
20) 3+4-Methylphenols	6.345	107	454066	43.43	ng	# 62
22) Acetophenone	6.328	105	588164	41.04	ng	# 86
24) Nitrobenzene	6.528	77	427779	38.50	ng	93
25) Isophorone	6.816	82	770959	38.94	ng	95
26) 2-Nitrophenol	6.898	139	235217	44.39	ng	94
27) 2,4-Dimethylphenol	6.969	122	383678	42.02	ng	99
28) bis(2-Chloroethoxy)met...	7.075	93	501652	38.42	ng	99
29) 2,4-Dichlorophenol	7.198	162	358590	42.00	ng	99
30) 1,2,4-Trichlorobenzene	7.292	180	341758	38.87	ng	99
31) Naphthalene	7.380	128	1187781	38.42	ng	100
32) Benzoic acid	7.116	122	173273	28.51	ng	96
33) 4-Chloroaniline	7.451	127	217880	17.39	ng	# 92
34) Hexachlorobutadiene	7.539	225	172889	38.34	ng	98
35) Caprolactam	7.886	113	60761	22.32	ng	96
36) 4-Chloro-3-methylphenol	8.069	107	383970	43.04	ng	89
37) 2-Methylnaphthalene	8.227	142	821668	39.87	ng	98
39) 1,2,4,5-Tetrachloroben...	8.433	216	302309	37.28	ng	99
40) Hexachlorocyclopentadiene	8.422	237	220700	58.16	ng	98

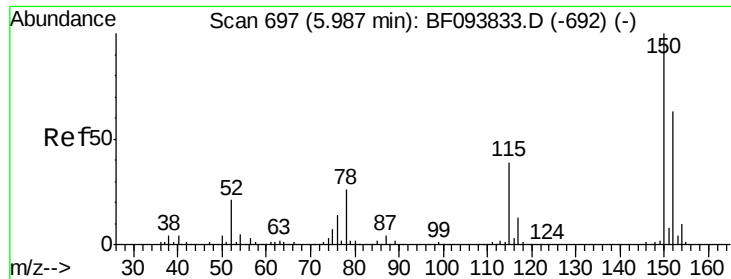
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.580	196	241663	42.12	ng	99
43) 2,4,5-Trichlorophenol	8.627	196	251395	40.49	ng	96
45) 1,1'-Biphenyl	8.798	154	908551	38.00	ng	98
46) 2-Chloronaphthalene	8.822	162	729167	38.96	ng	96
47) 2-Nitroaniline	8.945	65	226783	40.84	ng	87
48) Acenaphthylene	9.327	152	1151469	37.02	ng	99
49) Dimethylphthalate	9.192	163	1014522	48.14	ng	99
50) 2,6-Dinitrotoluene	9.257	165	195327	40.43	ng	96
51) Acenaphthene	9.539	154	680989	37.52	ng	98
52) 3-Nitroaniline	9.451	138	130049	22.93	ng	90
53) 2,4-Dinitrophenol	9.592	184	144449	57.28	ng	# 68
54) Dibenzofuran	9.751	168	982863	39.78	ng	99
55) 4-Nitrophenol	9.698	139	314581	70.82	ng	# 67
56) 2,4-Dinitrotoluene	9.751	165	241069	39.73	ng	# 72
57) Fluorene	10.174	166	754071	36.80	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.910	232	185566	43.56	ng	98
59) Diethylphthalate	10.057	149	829369	39.82	ng	100
60) 4-Chlorophenyl-phenyle...	10.180	204	323298	37.04	ng	90
61) 4-Nitroaniline	10.210	138	208865	38.37	ng	96
62) Azobenzene	10.374	77	800439	40.63	ng	97
64) 4,6-Dinitro-2-methylph...	10.251	198	113876	36.13	ng	# 77
65) n-Nitrosodiphenylamine	10.327	169	712807	40.05	ng	99
66) 4-Bromophenyl-phenylether	10.780	248	198775	39.27	ng	96
67) Hexachlorobenzene	10.851	284	200267	39.08	ng	# 89
68) Atrazine	11.004	200	209288	39.26	ng	97
69) Pentachlorophenol	11.098	266	219738	68.90	ng	98
70) Phenanthrene	11.351	178	1088046	38.00	ng	100
71) Anthracene	11.416	178	1134647	38.49	ng	99
72) Carbazole	11.615	167	1083493	35.84	ng	99
73) Di-n-butylphthalate	12.068	149	1271615	40.45	ng	99
74) Fluoranthene	12.815	202	1069214	36.47	ng	99
76) Benzidine	12.980	184	426166	29.87	ng	# 93
77) Pyrene	13.086	202	1097798	41.96	ng	100
79) Butylbenzylphthalate	13.904	149	525194	47.12	ng	# 82
80) Benzo(a)anthracene	14.556	228	798220	37.97	ng	99
81) 3,3'-Dichlorobenzidine	14.533	252	203389	27.07	ng	# 97
82) Chrysene	14.604	228	721388	36.98	ng	99
83) Bis(2-ethylhexyl)phtha...	14.621	149	727546	47.84	ng	# 100
84) Di-n-octyl phthalate	15.374	149	1102572	43.40	ng	98
85) Indeno(1,2,3-cd)pyrene	17.521	276	641159	37.95	ng	100
87) Benzo(b)fluoranthene	15.792	252	613111	38.04	ng	98
88) Benzo(k)fluoranthene	15.821	252	598752	37.97	ng	96
89) Benzo(a)pyrene	16.139	252	561042	37.80	ng	99
90) Dibenzo(a,h)anthracene	17.539	278	523824	41.67	ng	98
91) Benzo(g,h,i)perylene	17.909	276	548297	43.28	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.851 min Scan# 67

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

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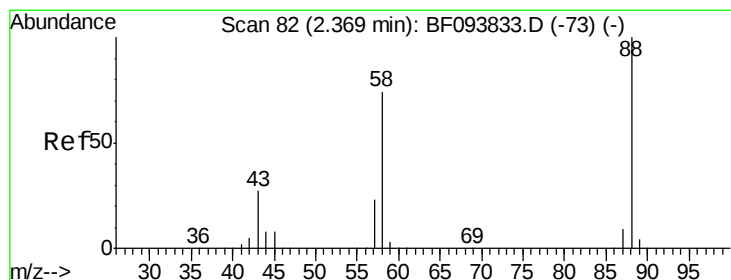
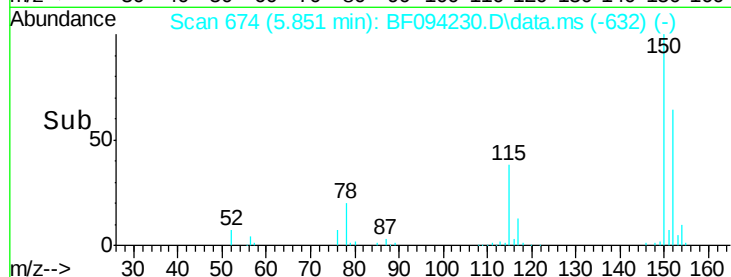
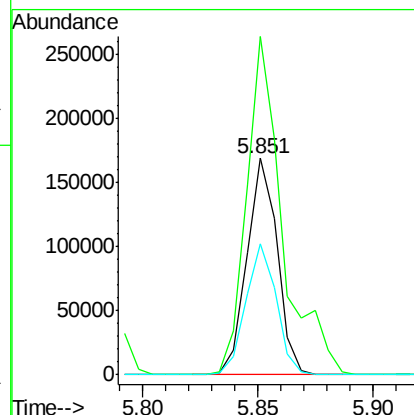
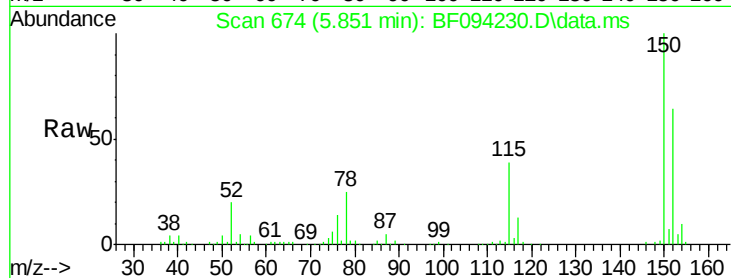
Tot Ion:152 Resp: 154897

Ion Ratio Lower Upper

152 100

150 156.4 126.2 189.2

115 60.3 52.2 78.2



#2

1,4-Dioxane

Concen: 31.67 ng

RT: 2.234 min Scan# 59

Delta R.T. -0.018 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

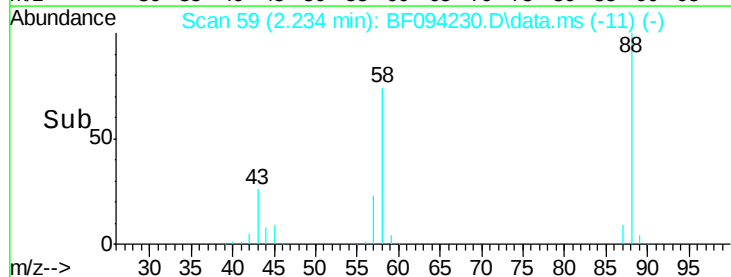
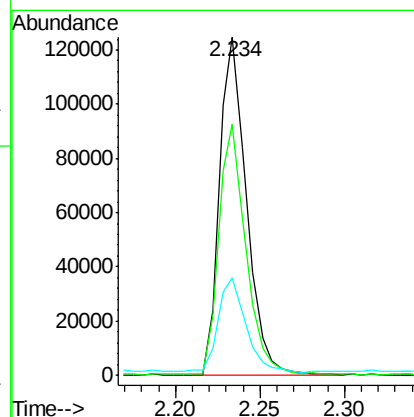
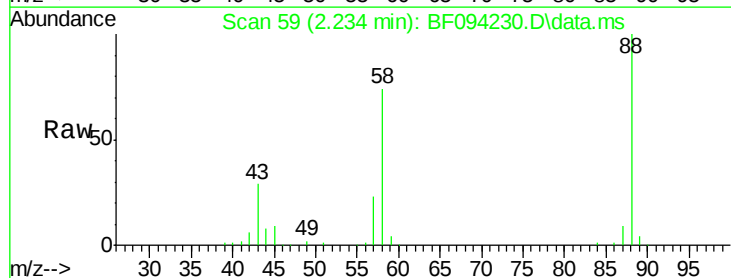
Tgt Ion: 88 Resp: 139538

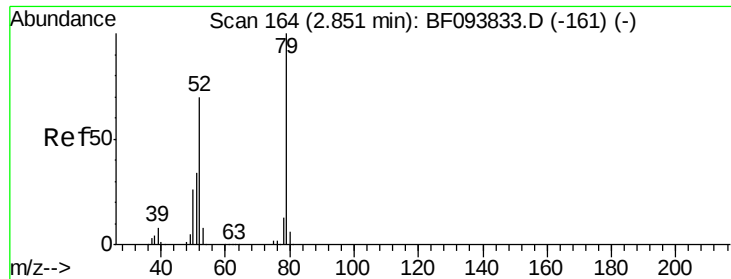
Ion Ratio Lower Upper

88 100

58 75.3 61.4 92.0

43 28.2 23.4 35.0





#3

Pvridine

Concen: 30.51 ng

RT: 2.722 min Scan# 14

Delta R.T. -0.024 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

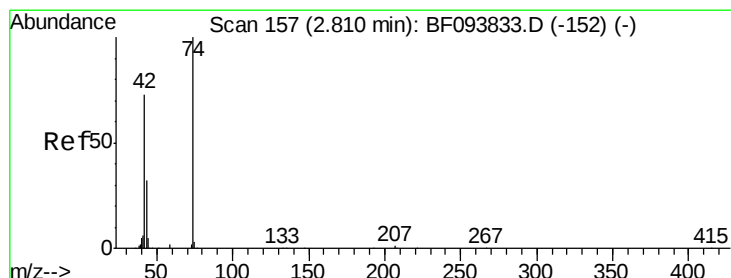
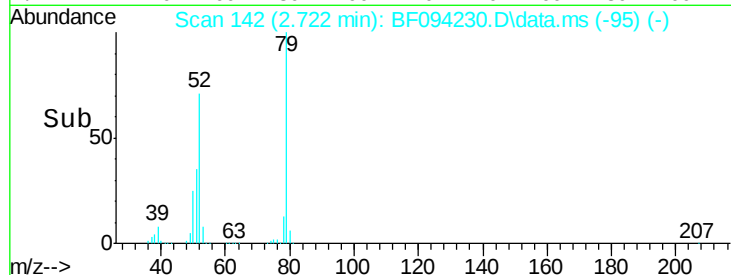
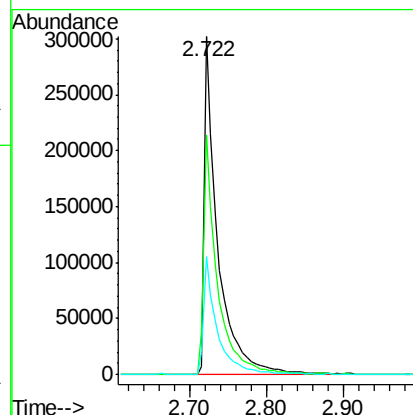
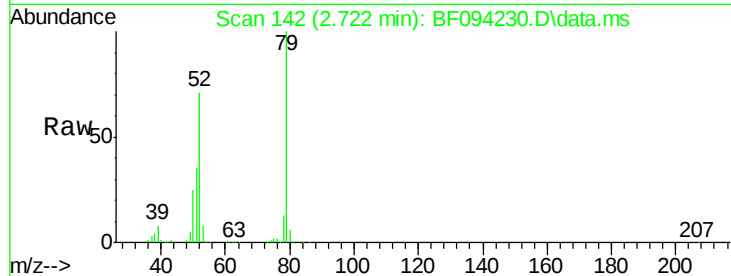
Tot Ion: 79 Resp: 366337

Ion Ratio Lower Upper

79 100

52 70.7 54.8 82.2

51 35.0 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 38.04 ng

RT: 2.681 min Scan# 135

Delta R.T. -0.036 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

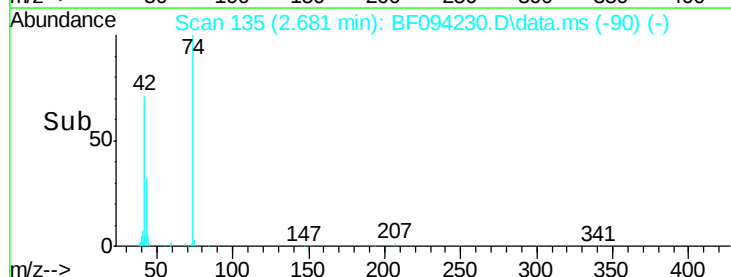
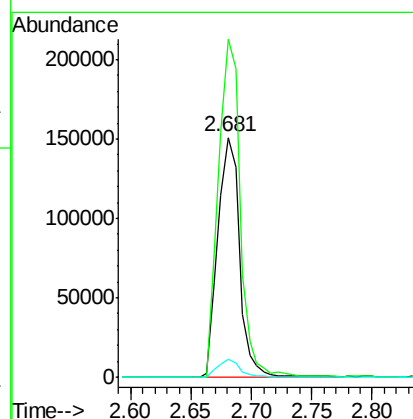
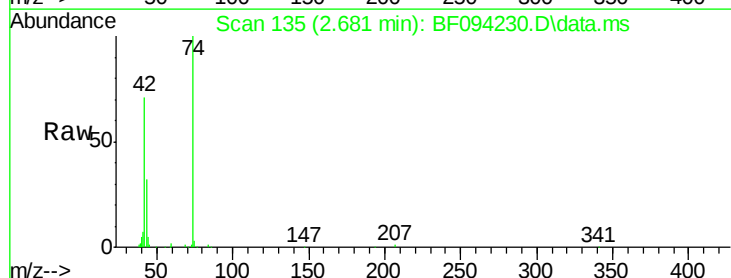
Tgt Ion: 42 Resp: 187959

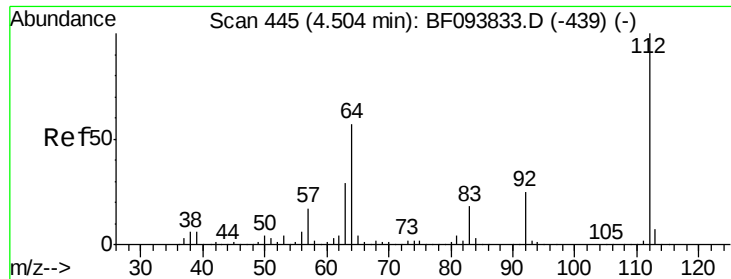
Ion Ratio Lower Upper

42 100

74 141.1 103.9 155.9

44 7.6 5.7 8.5





#5

2-Fluorophenol

Concen: 114.30 ng

RT: 4.392 min Scan# 42

Delta R.T. -0.041 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

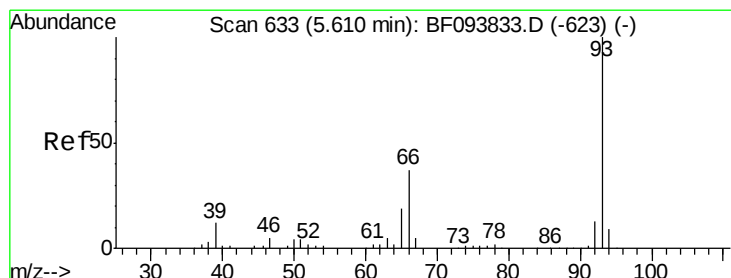
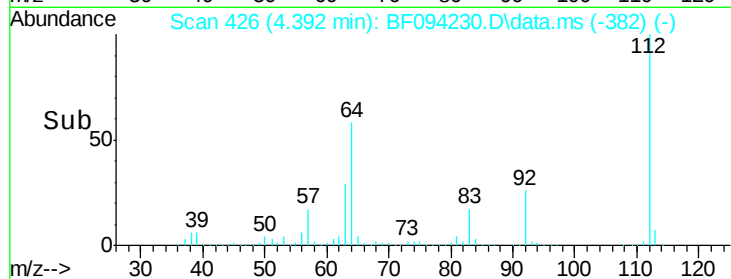
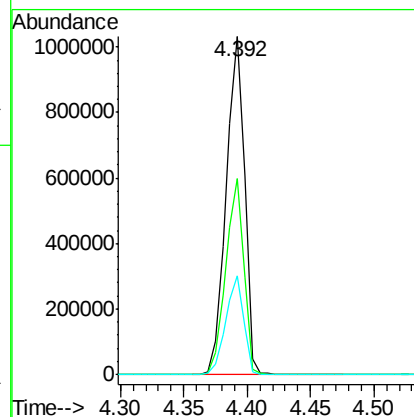
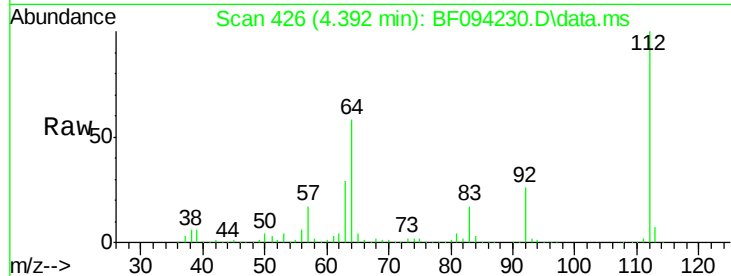
Tot Ion:112 Resp: 1048258

Ion Ratio Lower Upper

112 100

64 57.8 46.0 69.0

63 29.2 23.4 35.0



#6

Aniline

Concen: 24.63 ng

RT: 5.475 min Scan# 610

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

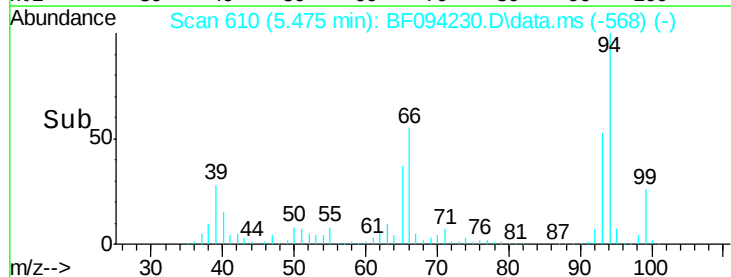
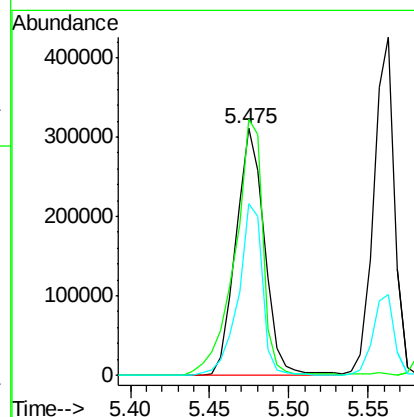
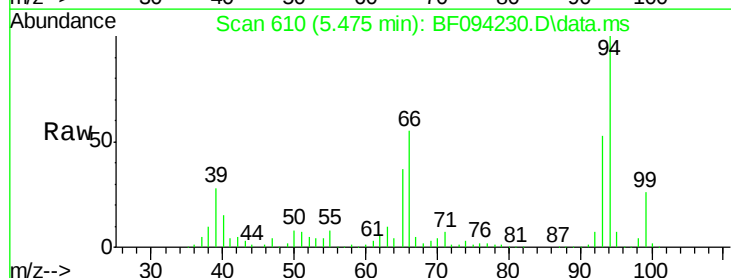
Tgt Ion: 93 Resp: 388745

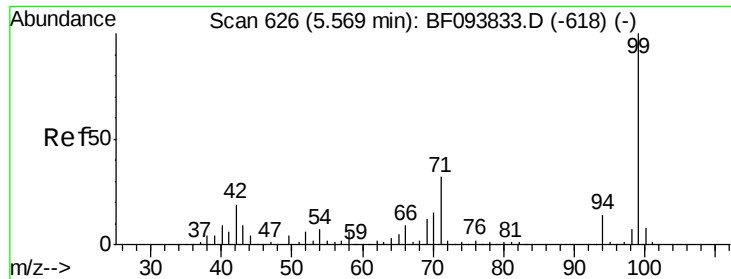
Ion Ratio Lower Upper

93 100

66 103.7 32.9 49.3#

65 69.5 16.0 24.0#





#7

Phenol-d6

Concen: 117.33 ng

RT: 5.463 min Scan# 60

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

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B4-(0-5)MS

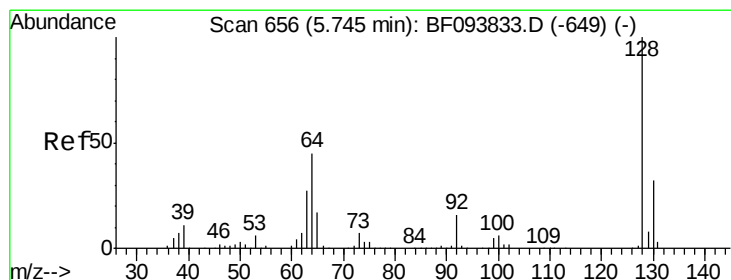
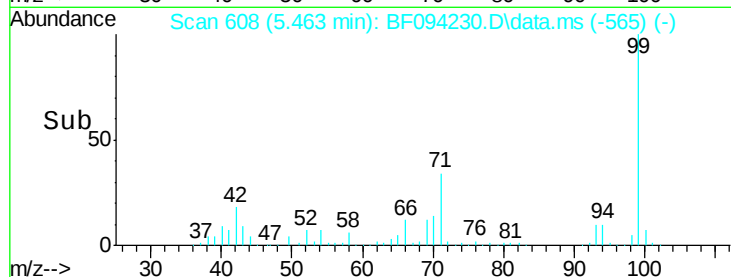
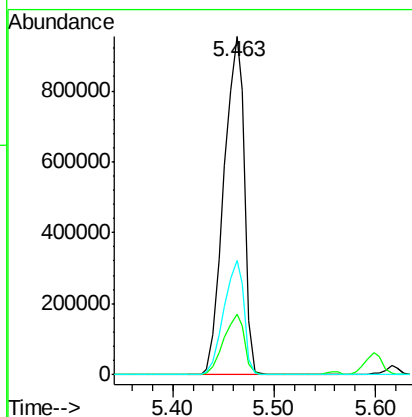
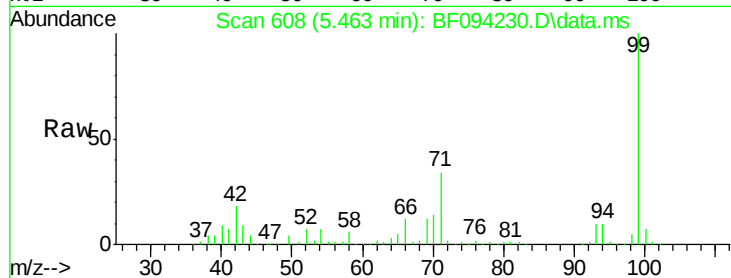
Tot Ion: 99 Resp: 1331149

Ion Ratio Lower Upper

99 100

42 18.0 13.5 20.3

71 33.6 24.5 36.7



#8

2-Chlorophenol

Concen: 41.43 ng

RT: 5.616 min Scan# 634

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

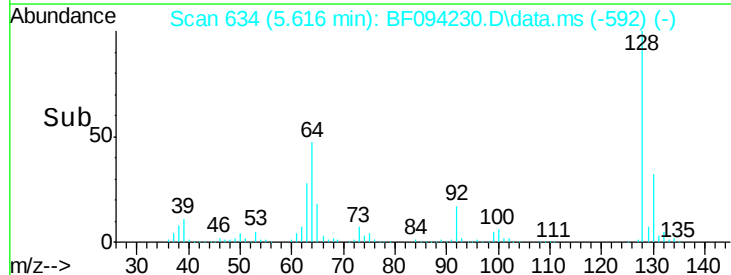
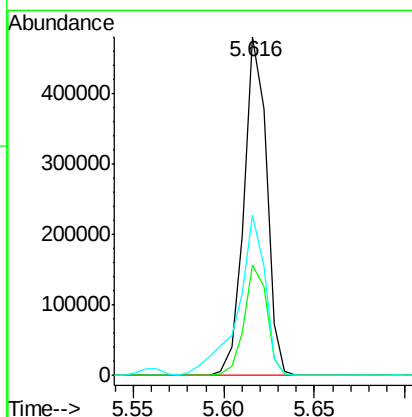
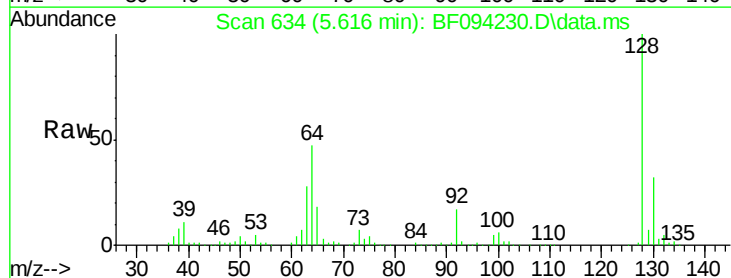
Tgt Ion: 128 Resp: 417581

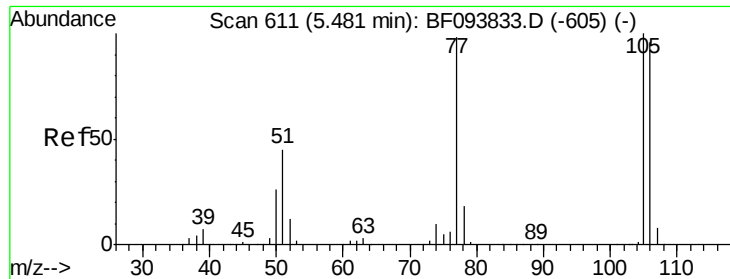
Ion Ratio Lower Upper

128 100

130 32.5 12.9 52.9

64 47.3 28.4 68.4





#9

Benzaldehyde

Concen: 27.15 ng

RT: 5.345 min Scan# 58

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

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ClientSampleId :

B4-(0-5)MS

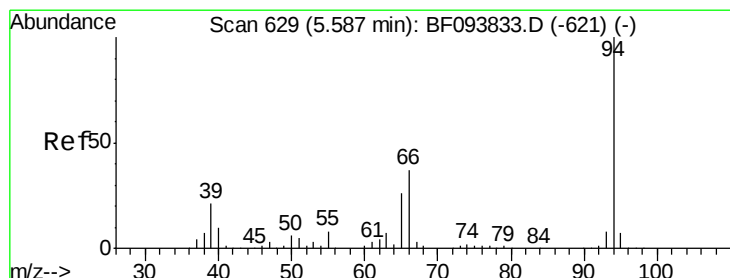
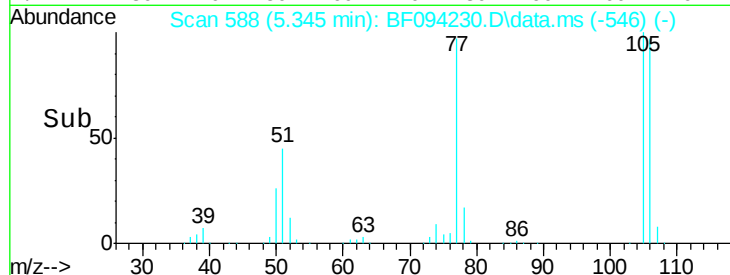
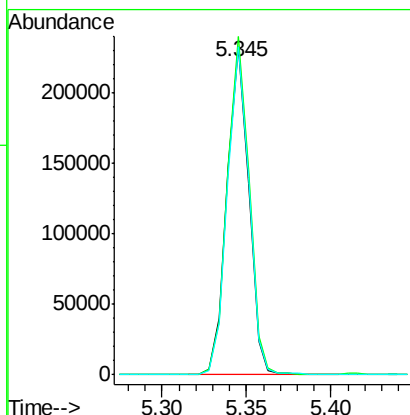
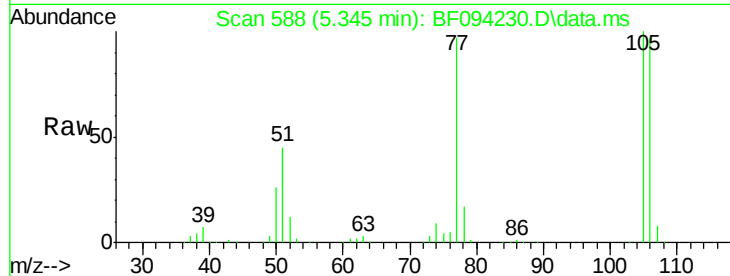
Tot Ion: 77 Resp: 207967

Ion Ratio Lower Upper

77 100

105 103.2 83.8 123.8

106 100.0 79.1 119.1



#10

Phenol

Concen: 45.64 ng

RT: 5.481 min Scan# 611

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

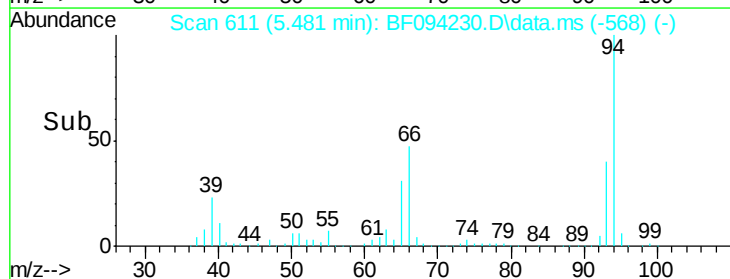
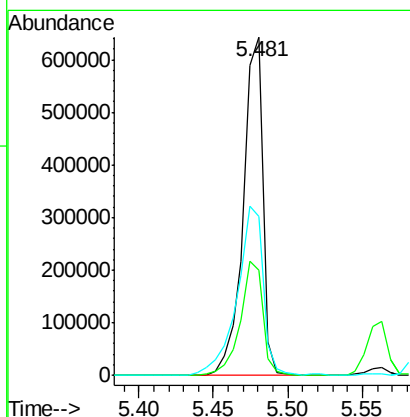
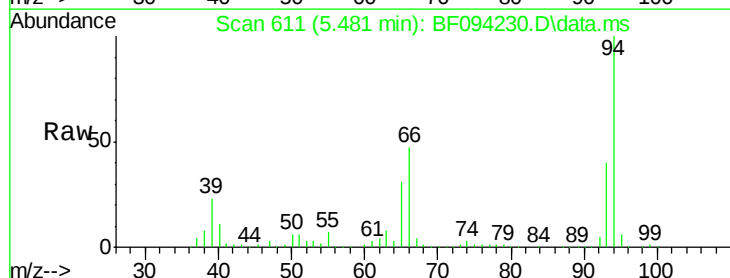
Tgt Ion: 94 Resp: 589197

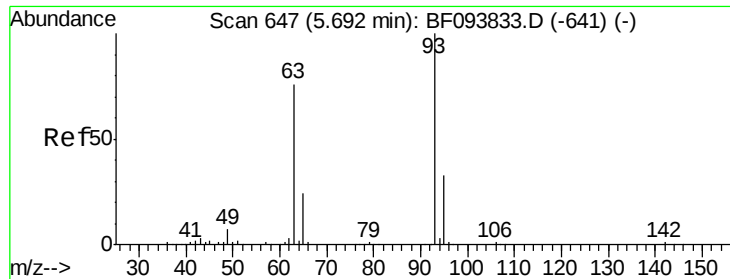
Ion Ratio Lower Upper

94 100

65 31.1 9.9 49.9

66 47.0 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 38.54 ng

RT: 5.563 min Scan# 62

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

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B4-(0-5)MS

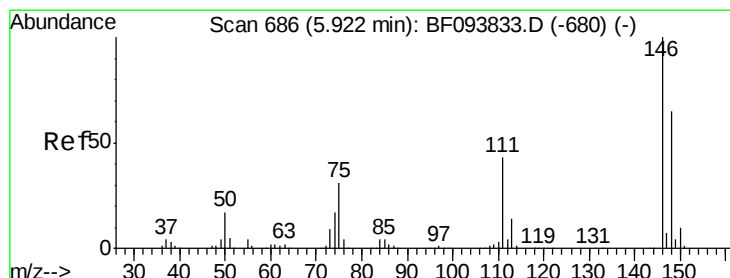
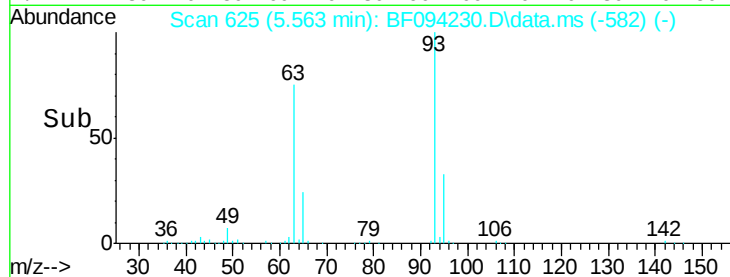
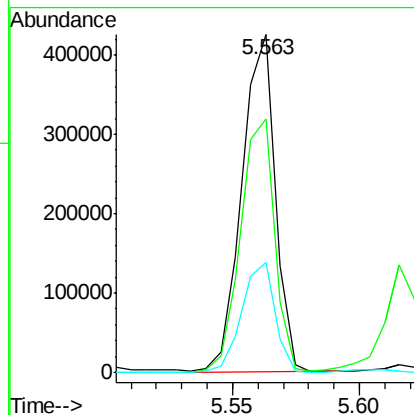
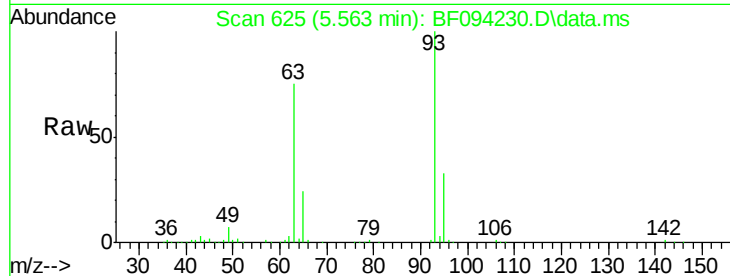
Tot Ion: 93 Resp: 388884

Ion Ratio Lower Upper

93 100

63 75.2 59.2 99.2

95 32.6 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 38.83 ng

RT: 5.786 min Scan# 663

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

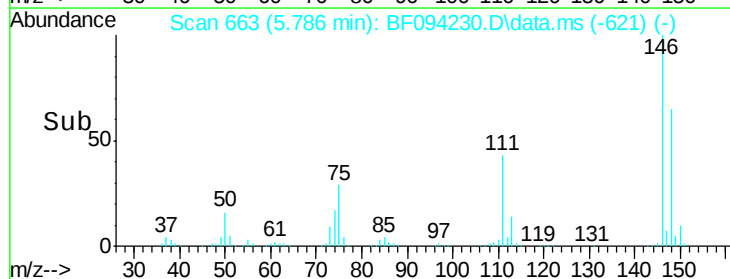
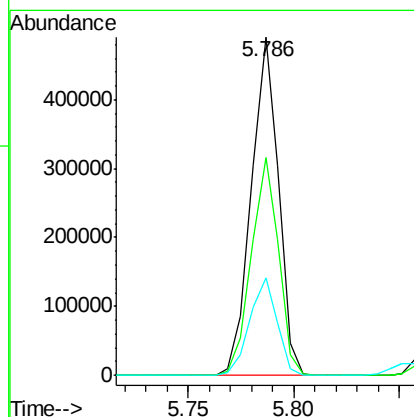
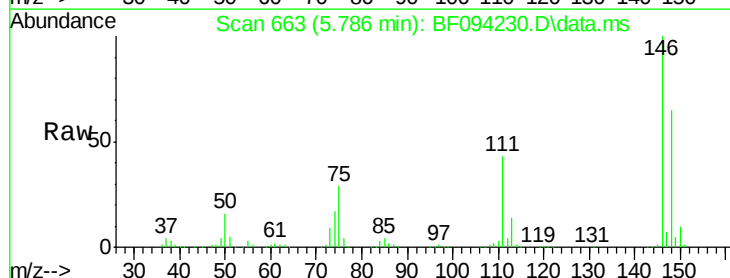
Tgt Ion: 146 Resp: 439044

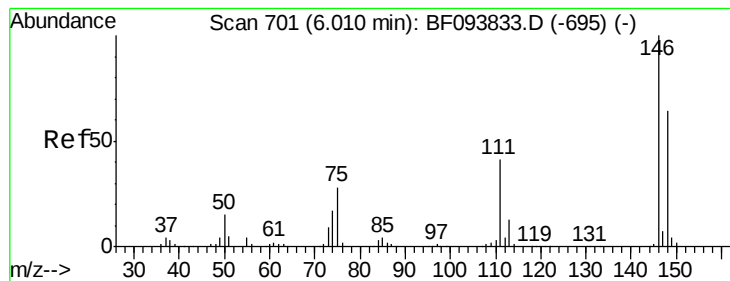
Ion Ratio Lower Upper

146 100

148 64.6 51.8 77.6

75 29.0 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 38.75 ng

RT: 5.875 min Scan# 67

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

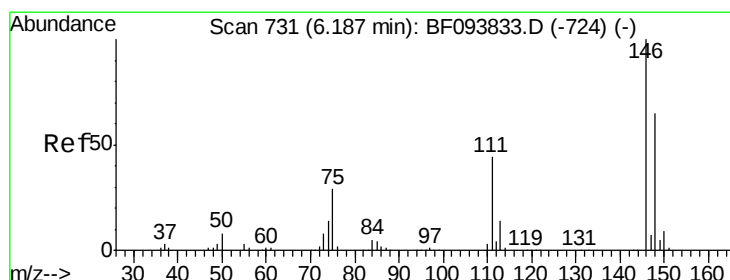
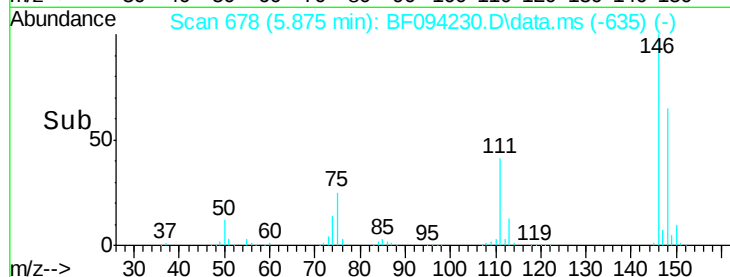
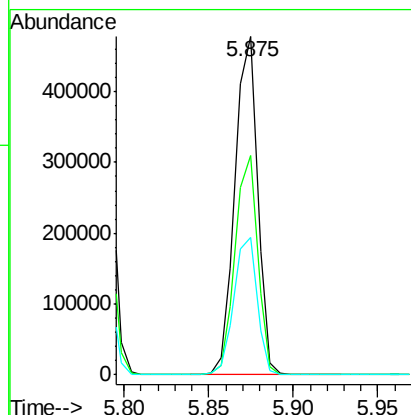
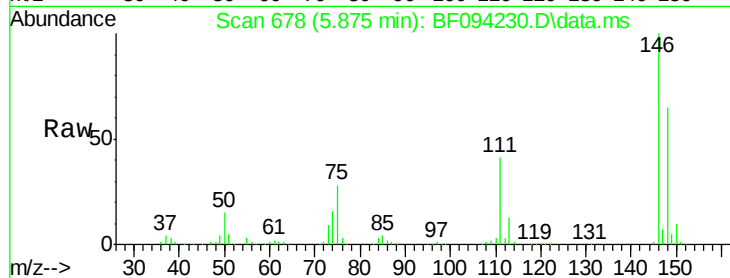
Tot Ion:146 Resp: 443770

Ion Ratio Lower Upper

146 100

148 64.9 52.2 78.2

111 40.7 30.3 45.5



#14

1,2-Dichlorobenzene

Concen: 39.68 ng

RT: 6.045 min Scan# 707

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

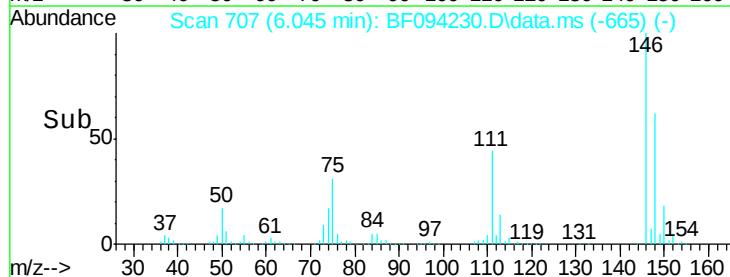
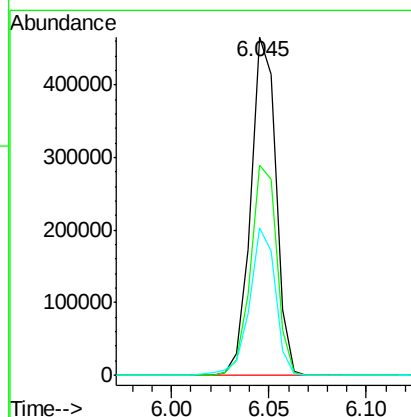
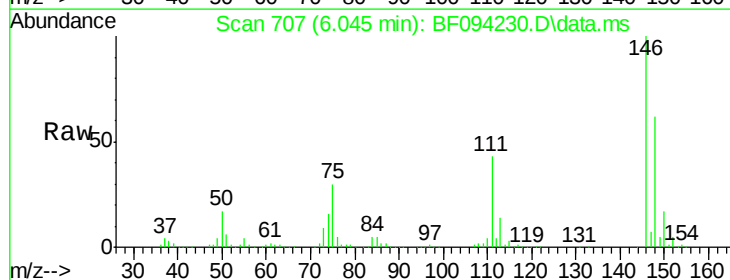
Tgt Ion:146 Resp: 418450

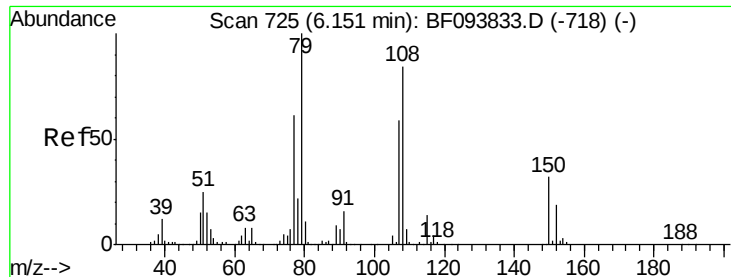
Ion Ratio Lower Upper

146 100

148 62.3 50.4 75.6

111 43.5 38.2 57.4





#15

Benzyl Alcohol

Concen: 41.62 ng

RT: 6.022 min Scan# 70

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

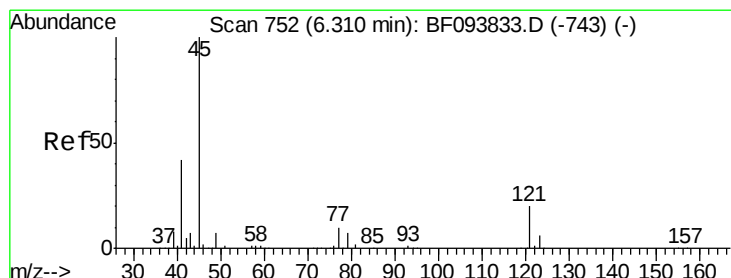
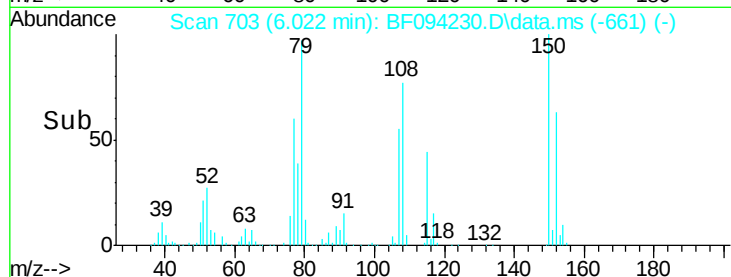
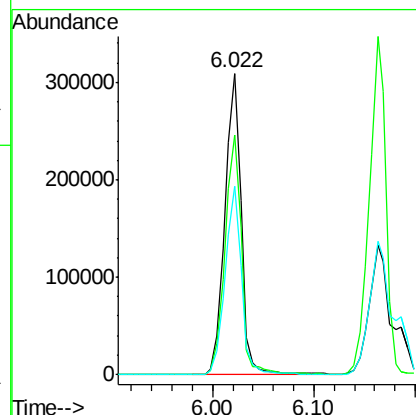
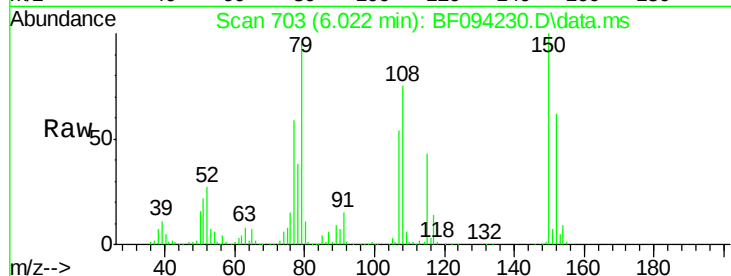
Tot Ion: 79 Resp: 345648

Ion Ratio Lower Upper

79 100

108 79.3 63.4 95.0

77 62.3 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 35.63 ng

RT: 6.186 min Scan# 731

Delta R.T. -0.041 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

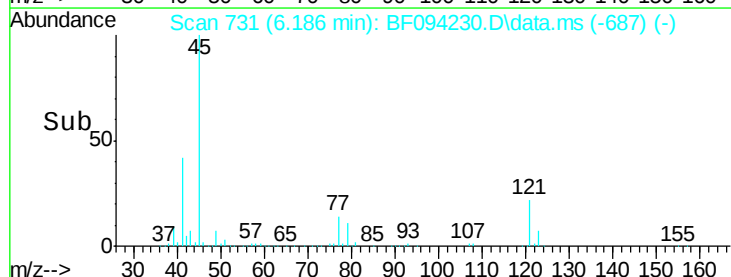
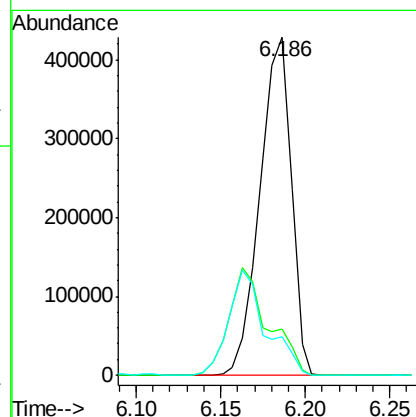
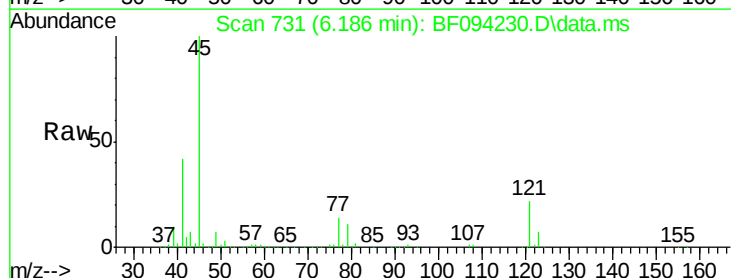
Tgt Ion: 45 Resp: 553872

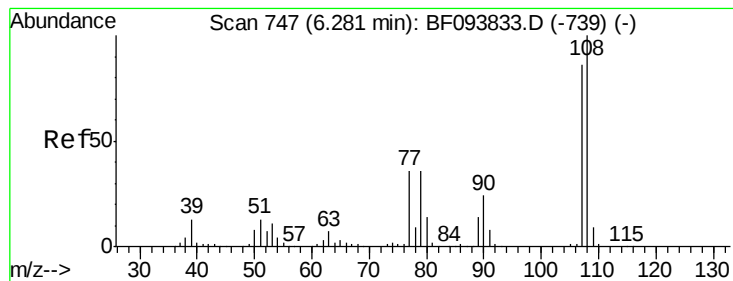
Ion Ratio Lower Upper

45 100

77 13.8 0.0 33.2

79 11.4 0.0 30.0





#17

2-Methylphenol

Concen: 41.04 ng

RT: 6.163 min Scan# 72

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

Tot Ion:107 Resp: 354302

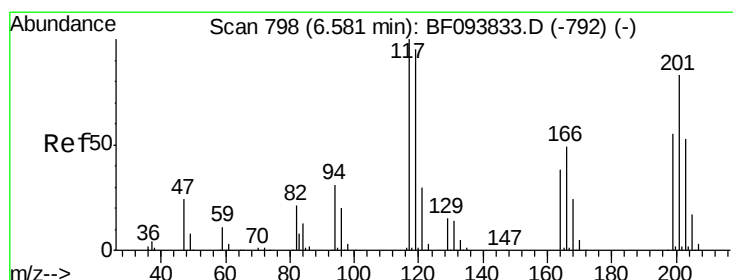
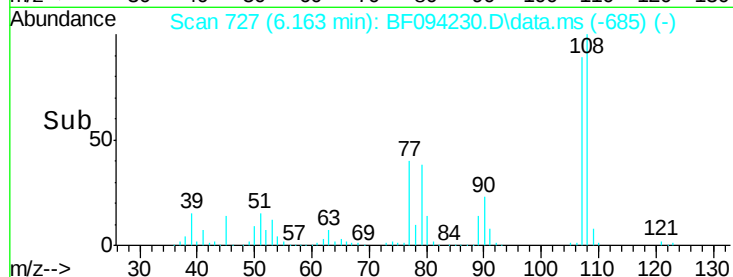
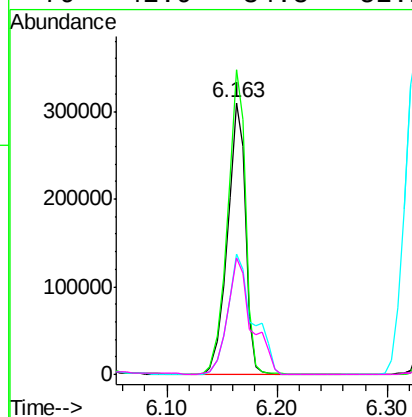
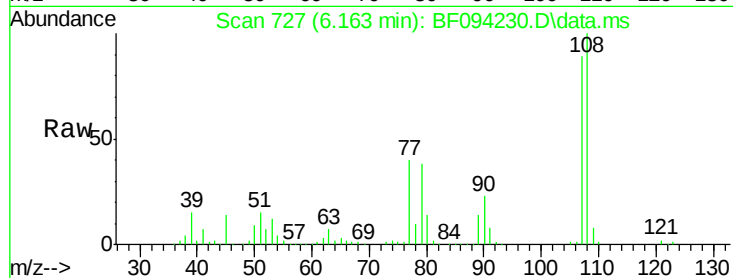
Ion Ratio Lower Upper

107 100

108 112.0 93.4 140.0

77 44.3 35.8 53.6

79 42.9 34.8 52.2



#18

Hexachloroethane

Concen: 38.03 ng

RT: 6.439 min Scan# 774

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

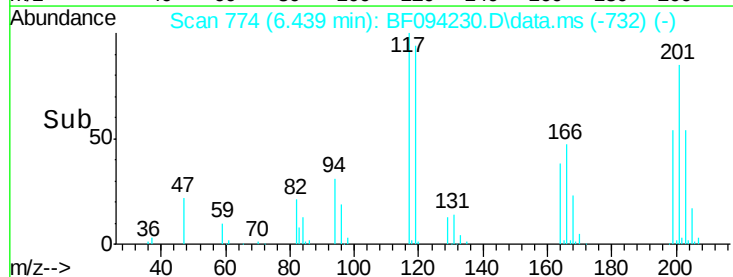
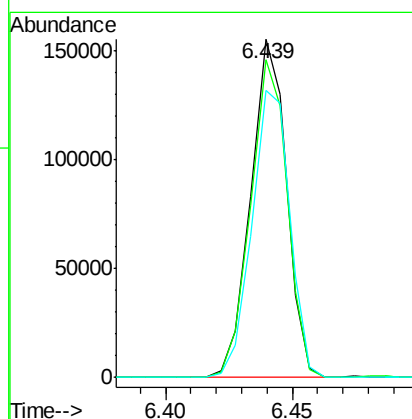
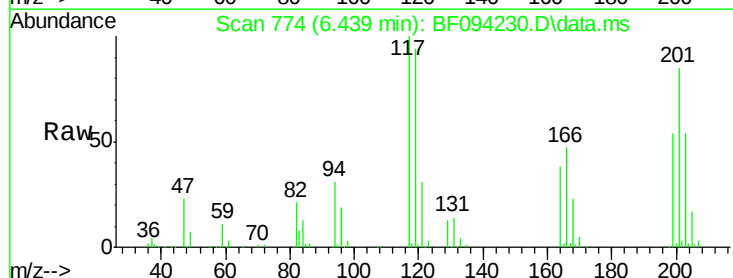
Tgt Ion:117 Resp: 153097

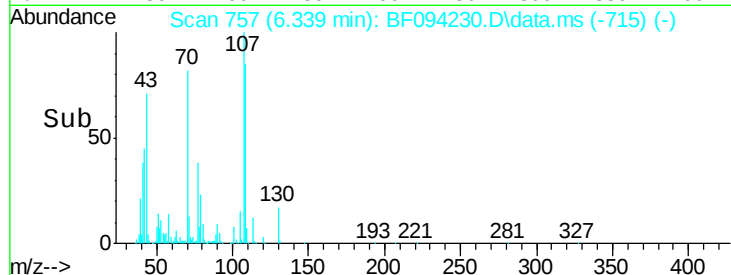
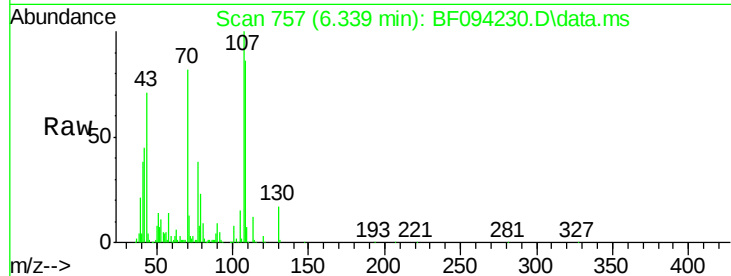
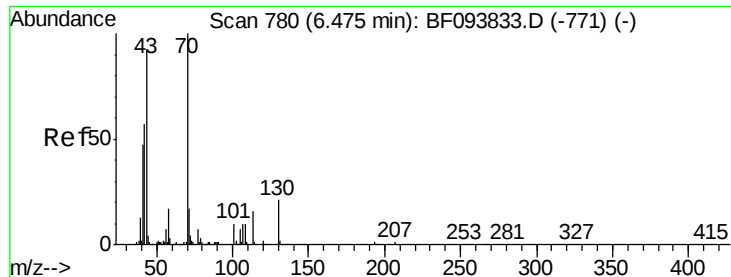
Ion Ratio Lower Upper

117 100

119 93.9 77.4 116.0

201 84.9 94.6 141.8#

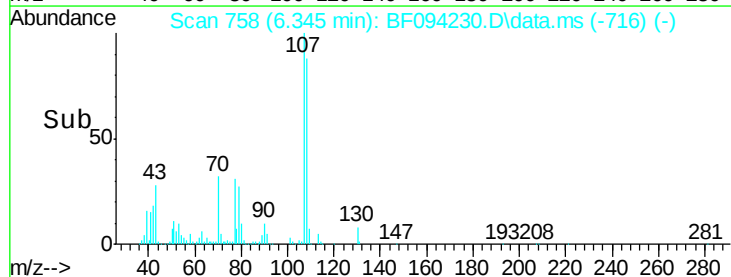
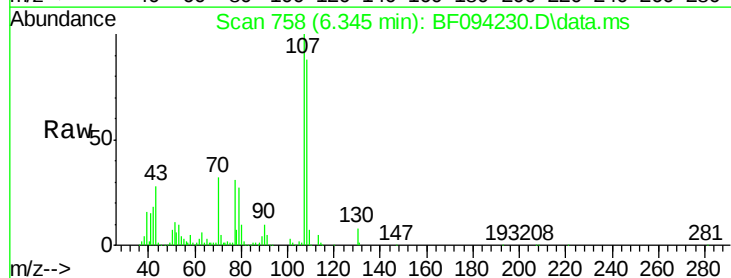
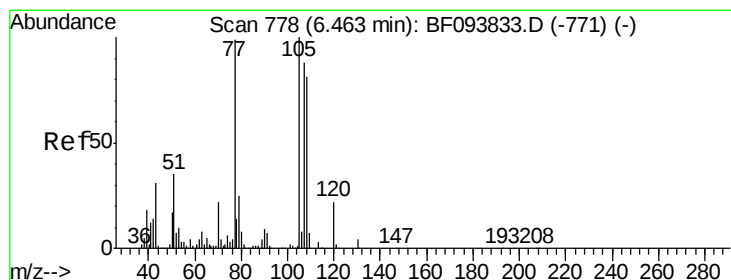
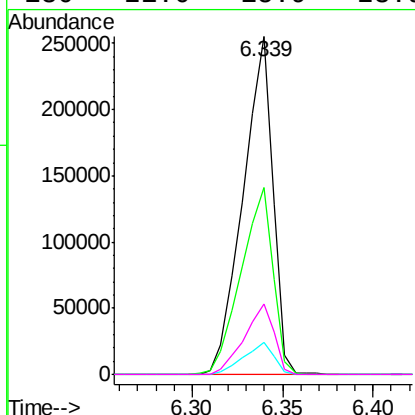




#19
n-Nitroso-di-n-propylamine
Concen: 40.06 ng
RT: 6.339 min Scan# 75
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

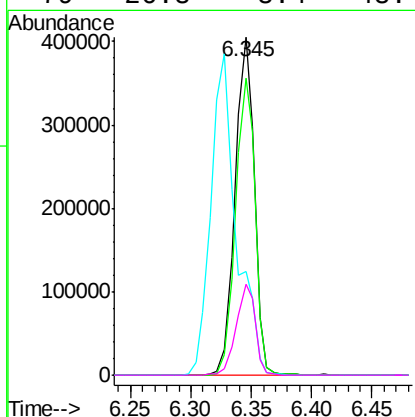
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

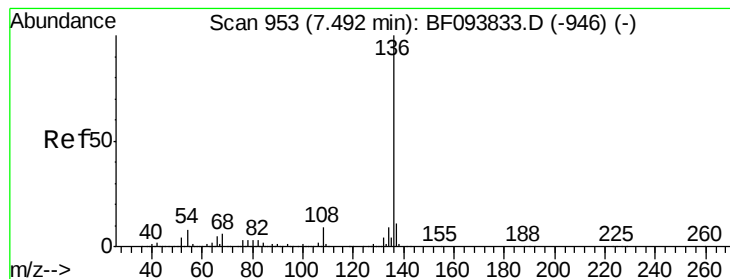
Tot Ion:	70	Resp:	292107
Ion	Ratio	Lower	Upper
70	100		
42	55.4	47.2	70.8
101	9.6	7.2	10.8
130	21.0	15.9	23.9



#20
3+4-Methylphenols
Concen: 43.43 ng
RT: 6.345 min Scan# 758
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion:	107	Resp:	454066
Ion	Ratio	Lower	Upper
107	100		
108	87.7	71.0	111.0
77	30.6	90.5	130.5#
79	26.8	8.4	48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.357 min Scan# 93

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

Tot Ion:136 Resp: 642989

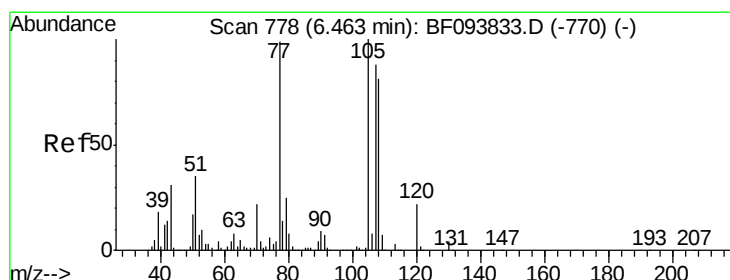
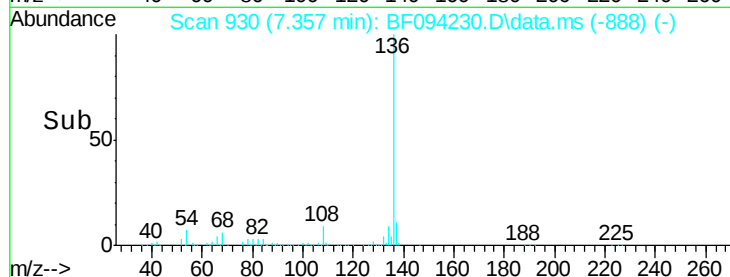
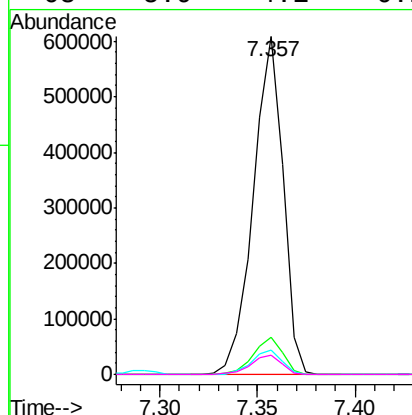
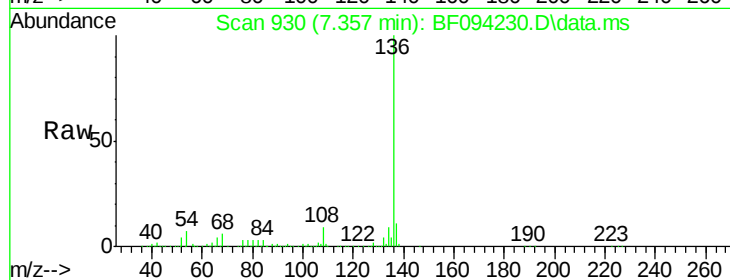
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.2 4.9 7.3

68 5.9 4.1 6.1



#22

Acetophenone

Concen: 41.04 ng

RT: 6.328 min Scan# 755

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Tgt Ion:105 Resp: 588164

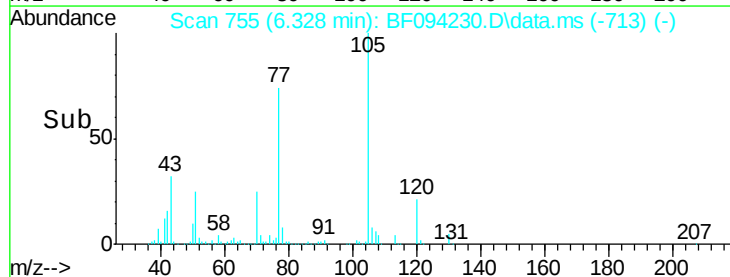
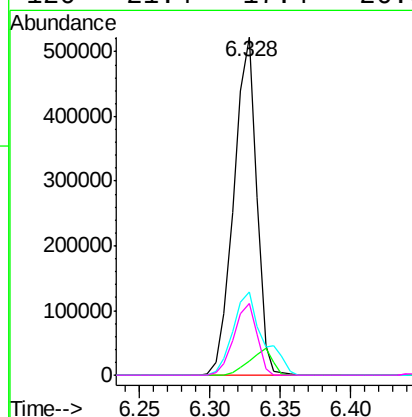
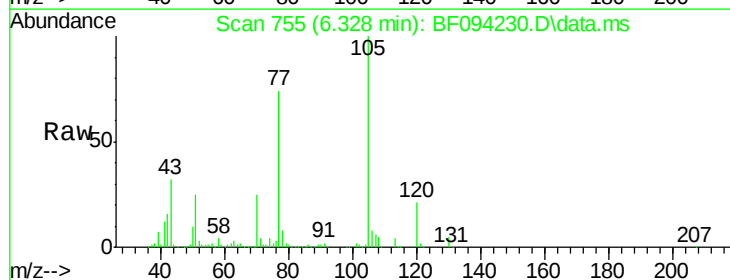
Ion Ratio Lower Upper

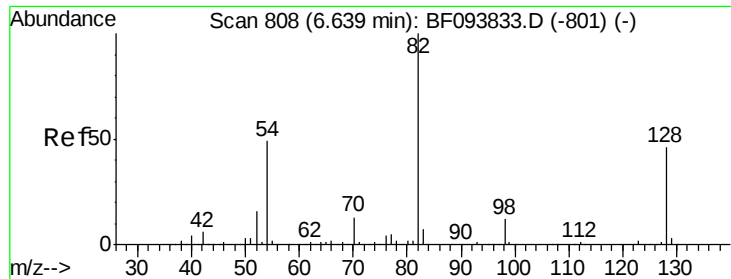
105 100

71 4.1 2.8 4.2

51 24.8 30.7 46.1#

120 21.4 17.4 26.0

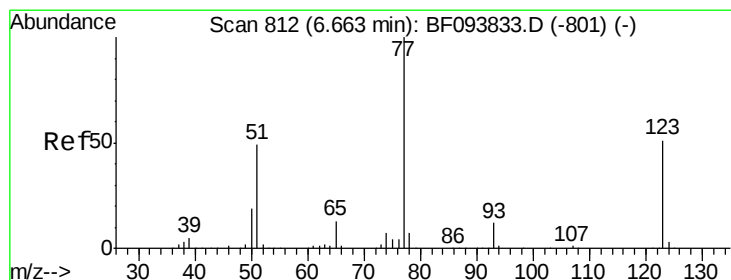
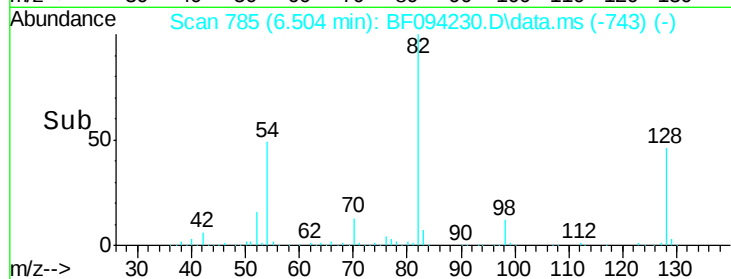
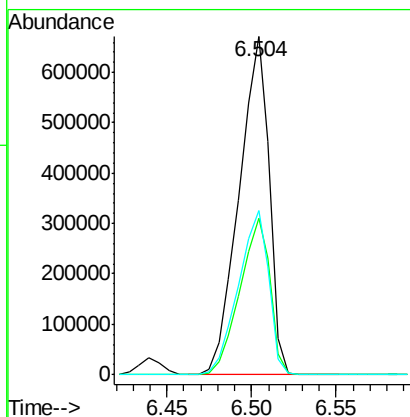
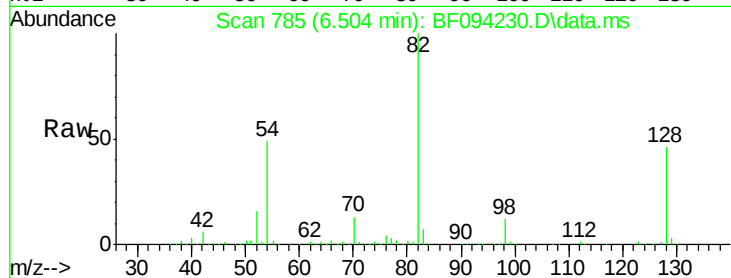




#23
Nitrobenzene-d5
Concen: 73.88 ng
RT: 6.504 min Scan# 78
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

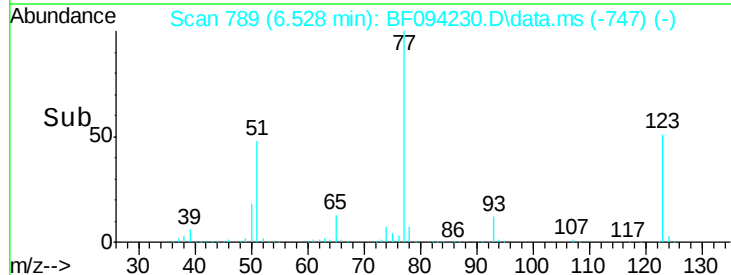
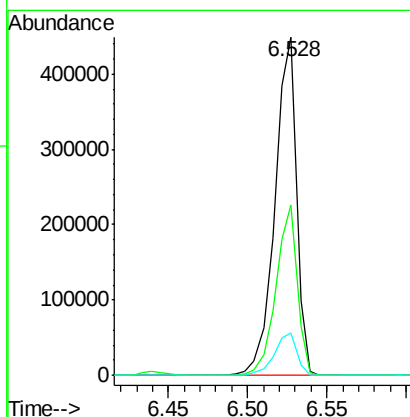
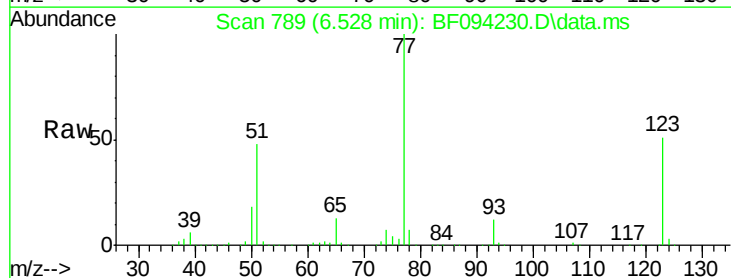
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

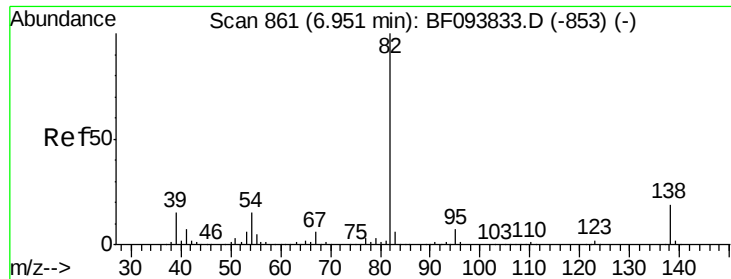
Tot Ion	82	Resp	832437
Ion Ratio	100	Lower	Upper
128	46.3	34.0	51.0
54	48.6	42.2	63.2



#24
Nitrobenzene
Concen: 38.50 ng
RT: 6.528 min Scan# 789
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion	77	Resp	427779
Ion Ratio	100	Lower	Upper
123	50.6	35.8	53.8
65	12.7	10.6	15.8





#25

Isophorone

Concen: 38.94 ng

RT: 6.816 min Scan# 83

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

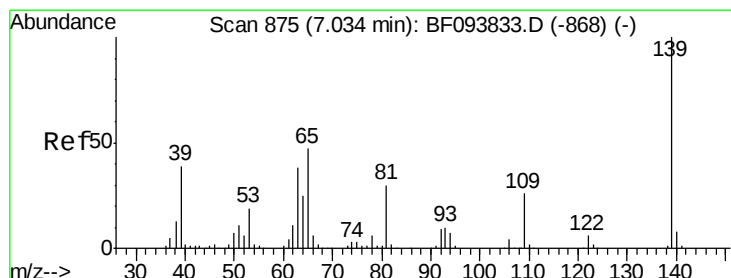
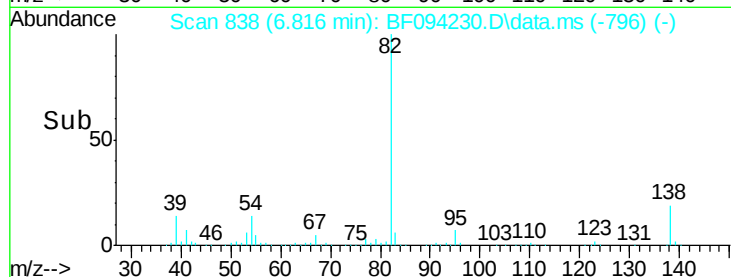
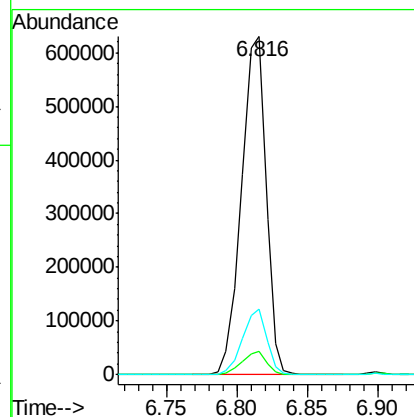
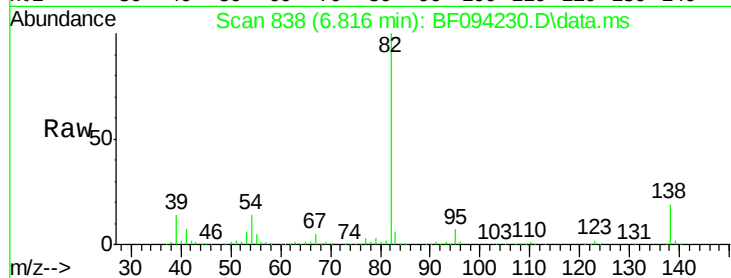
Tot Ion: 82 Resp: 770959

Ion Ratio Lower Upper

82 100

95 6.8 5.3 7.9

138 19.3 13.1 19.7



#26

2-Nitrophenol

Concen: 44.39 ng

RT: 6.898 min Scan# 852

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

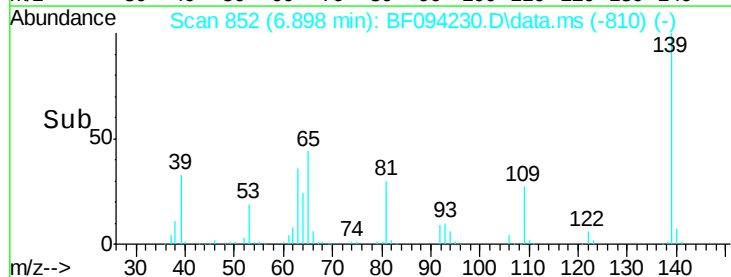
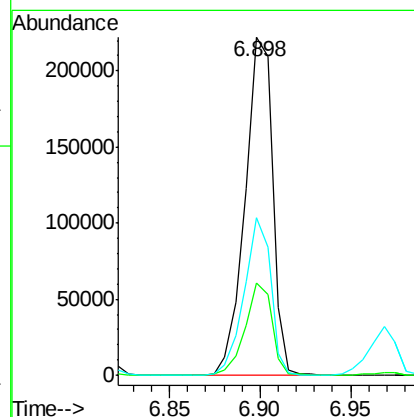
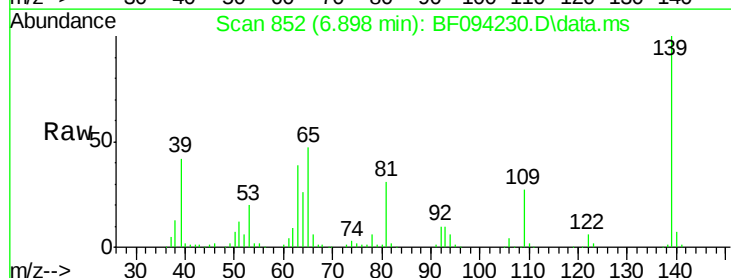
Tgt Ion: 139 Resp: 235217

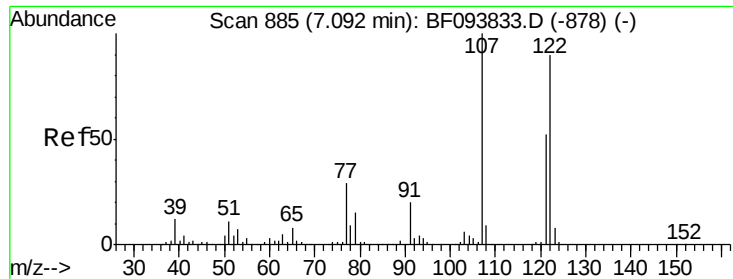
Ion Ratio Lower Upper

139 100

109 27.4 21.0 31.6

65 46.7 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 42.02 ng

RT: 6.969 min Scan# 86

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

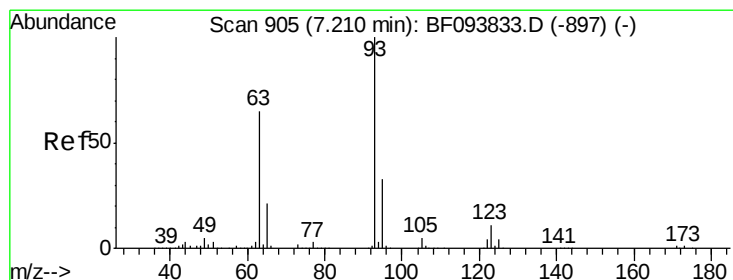
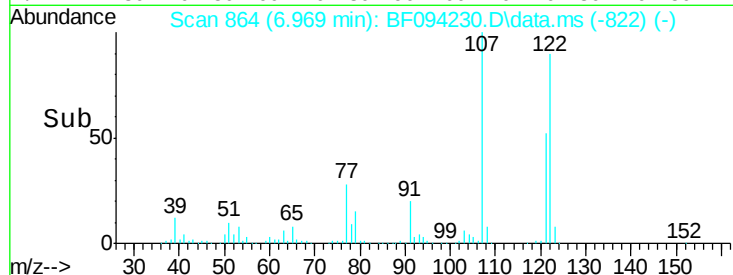
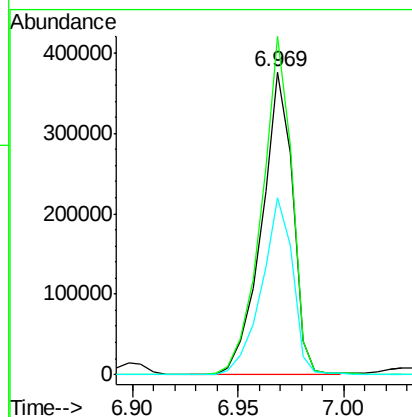
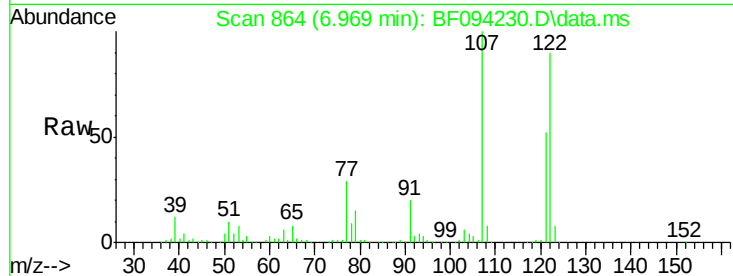
Tot Ion:122 Resp: 383678

Ion Ratio Lower Upper

122 100

107 111.7 89.2 133.8

121 58.6 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 38.42 ng

RT: 7.075 min Scan# 882

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

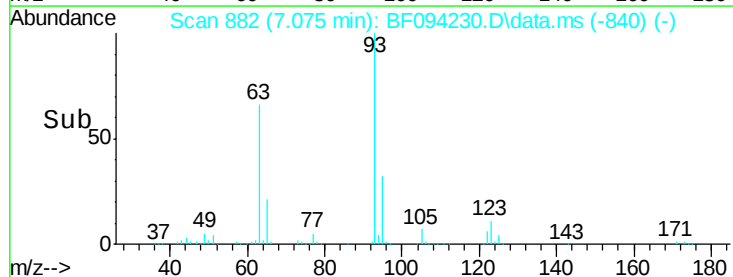
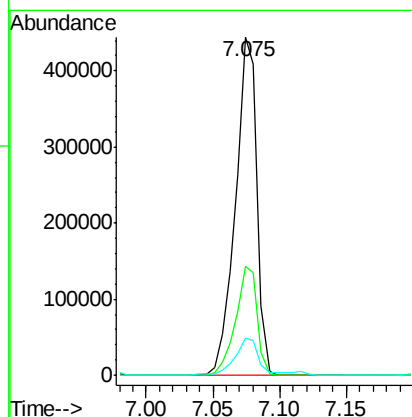
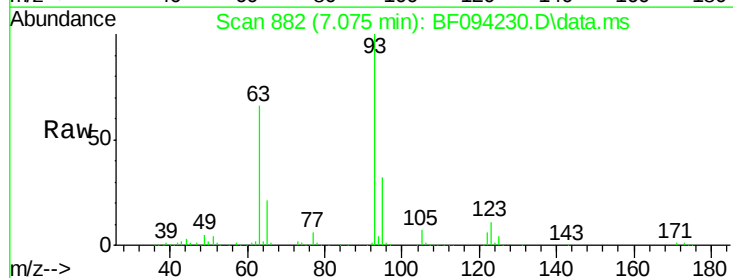
Tgt Ion: 93 Resp: 501652

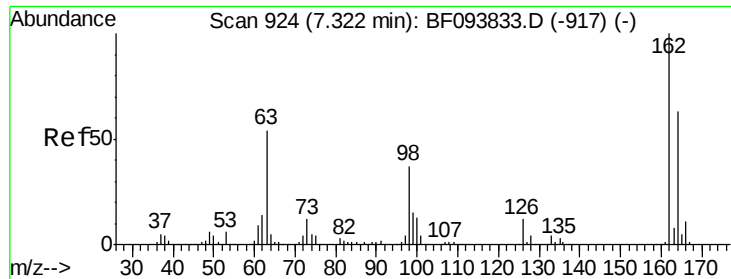
Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

123 11.1 9.0 13.4

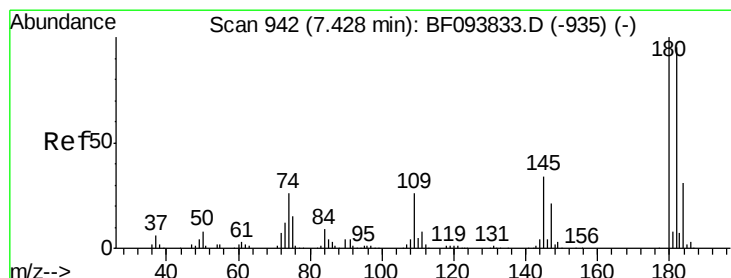
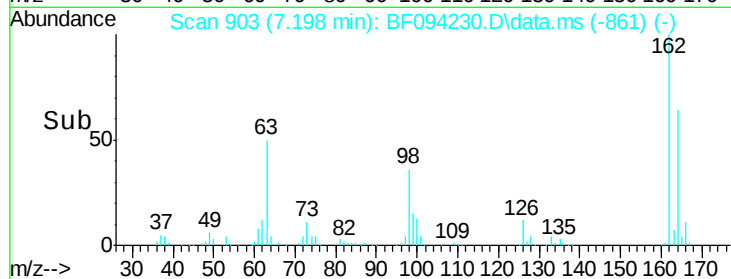
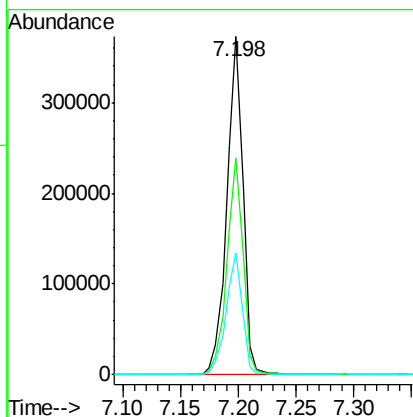
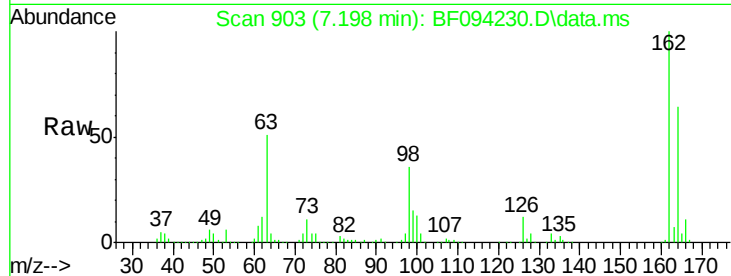




#29
 2,4-Dichlorophenol
 Concen: 42.00 ng
 RT: 7.198 min Scan# 90
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

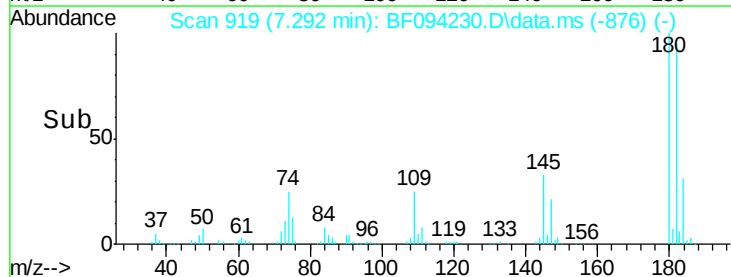
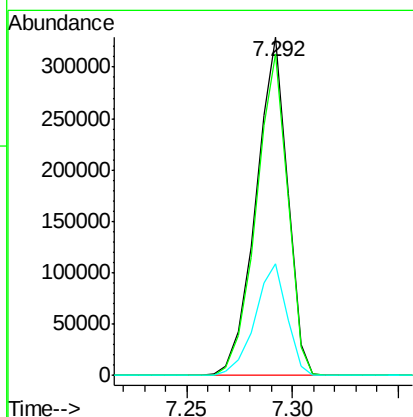
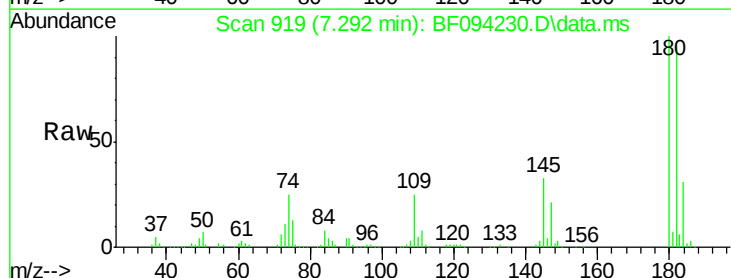
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

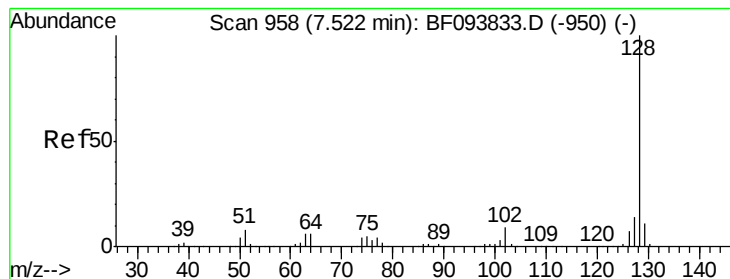
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.6	84.6
98	36.1	14.8	54.8



#30
 1,2,4-Trichlorobenzene
 Concen: 38.87 ng
 RT: 7.292 min Scan# 919
 Delta R.T. -0.047 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.8	113.6
145	33.0	25.3	37.9





#31

Naphthalene

Concen: 38.42 ng

RT: 7.380 min Scan# 93

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

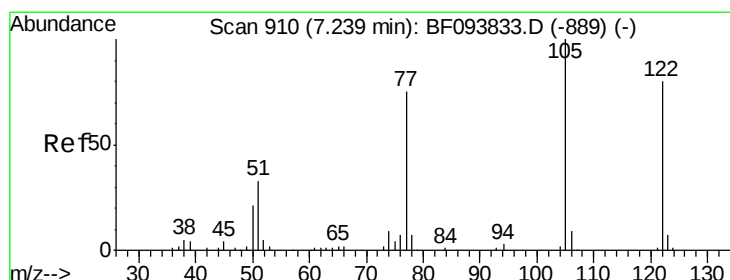
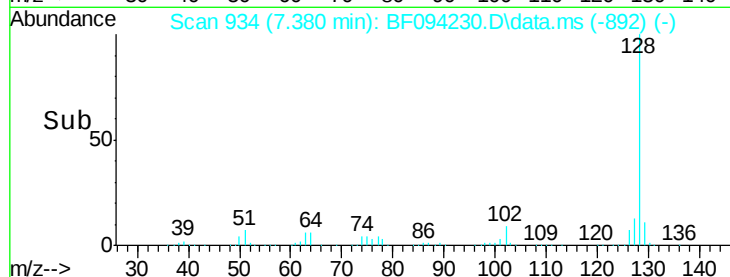
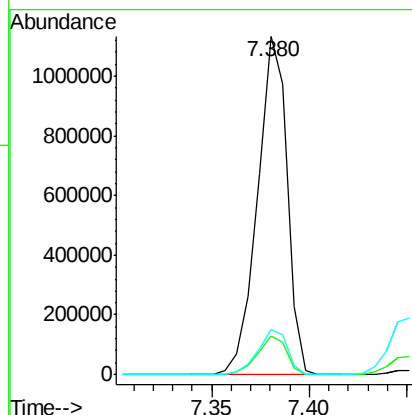
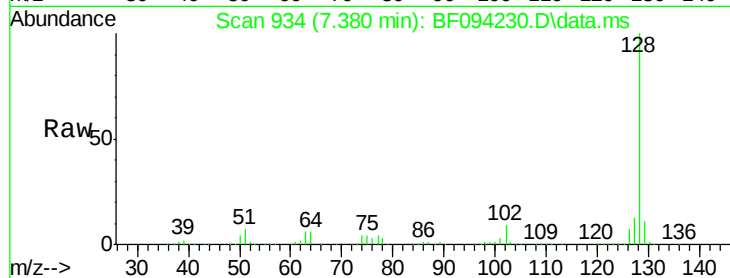
Tot Ion:128 Resp: 1187781

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 28.51 ng

RT: 7.116 min Scan# 889

Delta R.T. -0.071 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

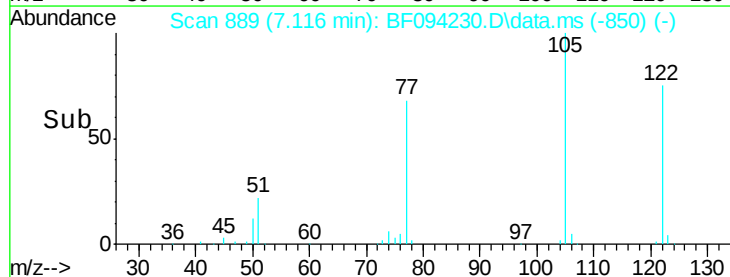
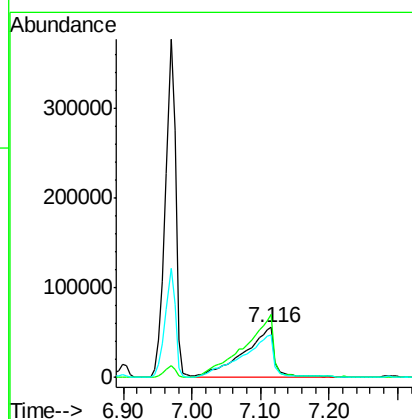
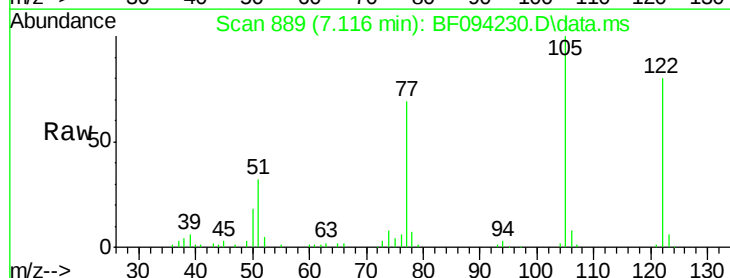
Tgt Ion:122 Resp: 173273

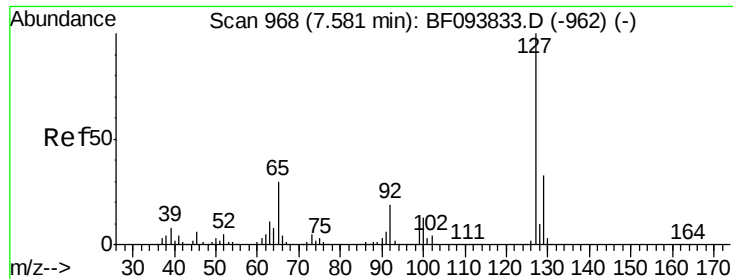
Ion Ratio Lower Upper

122 100

105 125.7 103.3 143.3

77 86.4 73.7 113.7

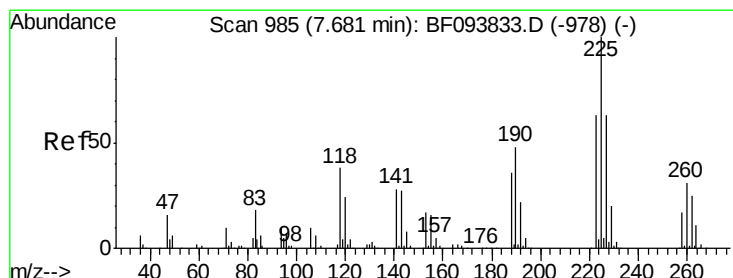
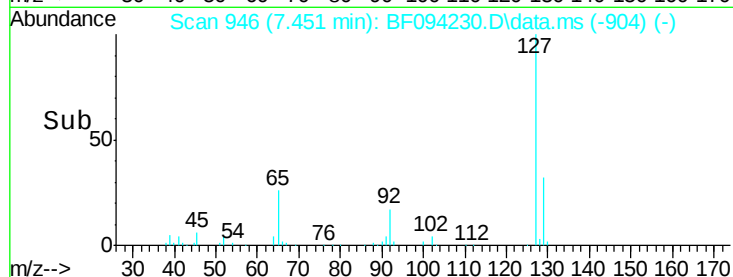
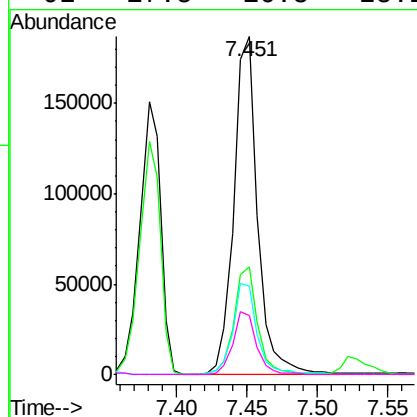
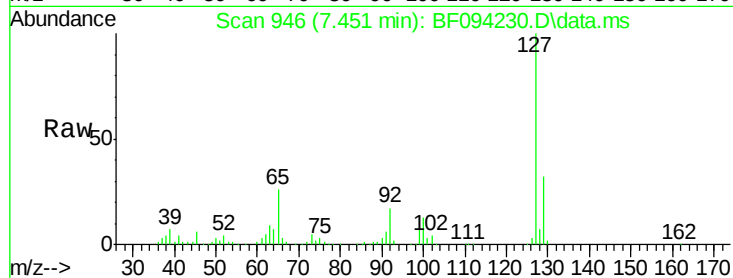




#33
4-Chloroaniline
Concen: 17.39 ng
RT: 7.451 min Scan# 94
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

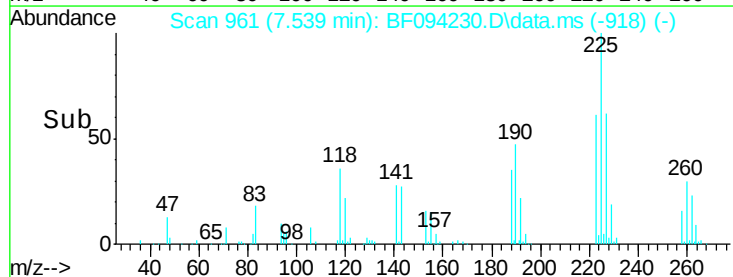
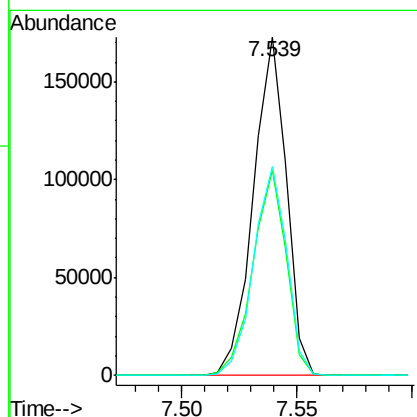
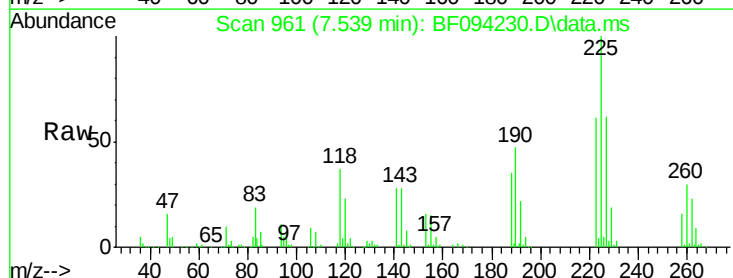
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

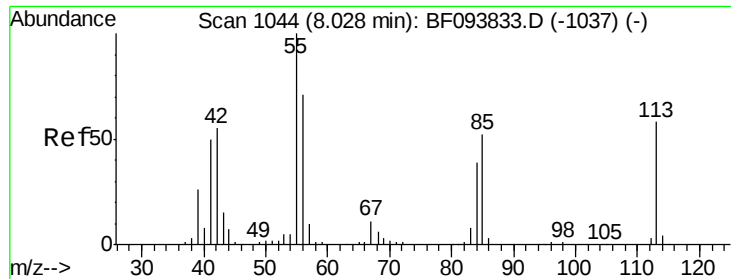
Tot Ion:	127	Resp:	217880
Ion Ratio	Lower	Upper	
127	100		
129	31.9	26.2	39.2
65	26.3	27.8	41.8#
92	17.5	16.8	25.2



#34
Hexachlorobutadiene
Concen: 38.34 ng
RT: 7.539 min Scan# 961
Delta R.T. -0.047 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion:	225	Resp:	172889
Ion Ratio	Lower	Upper	
225	100		
223	60.8	48.8	73.2
227	61.7	51.1	76.7

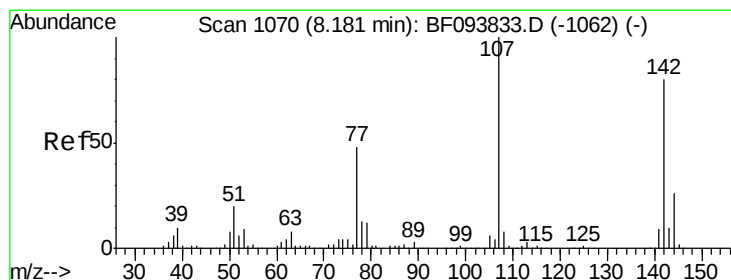
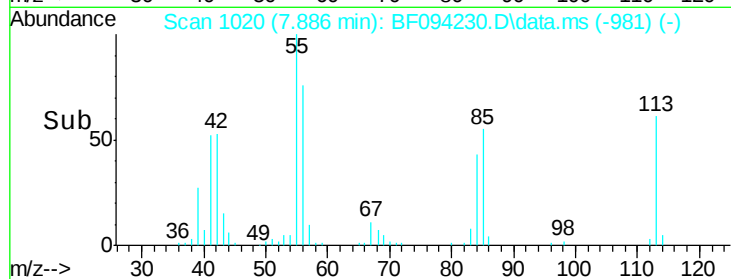
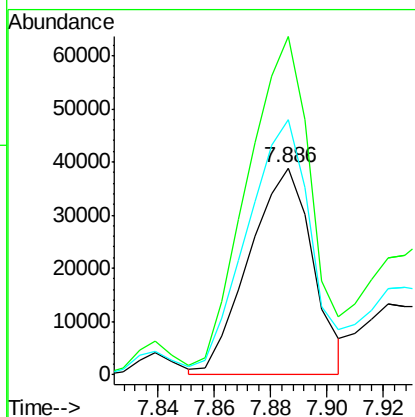
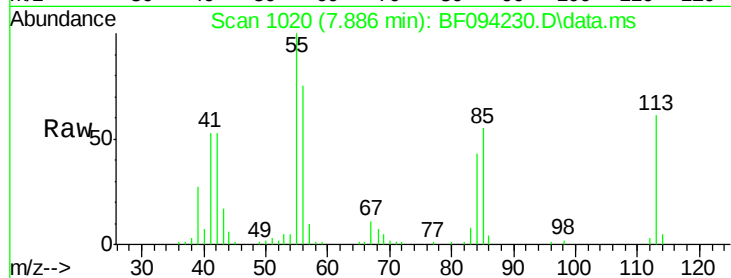




#35
 Caprolactam
 Concen: 22.32 ng
 RT: 7.886 min Scan# 1044
 Delta R.T. -0.071 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

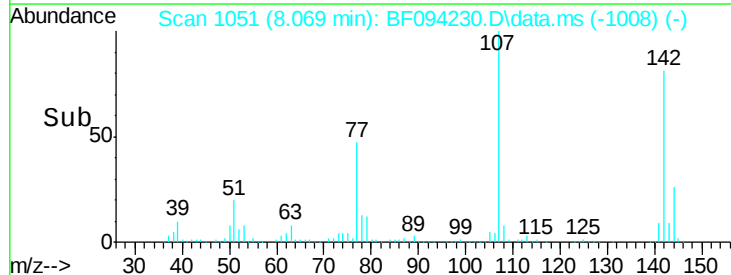
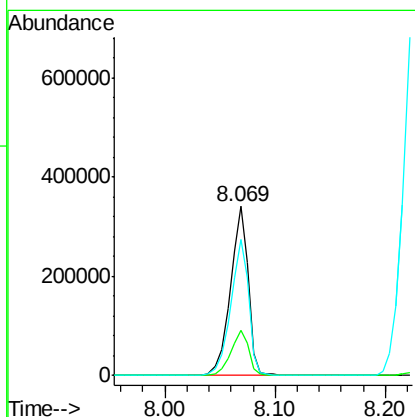
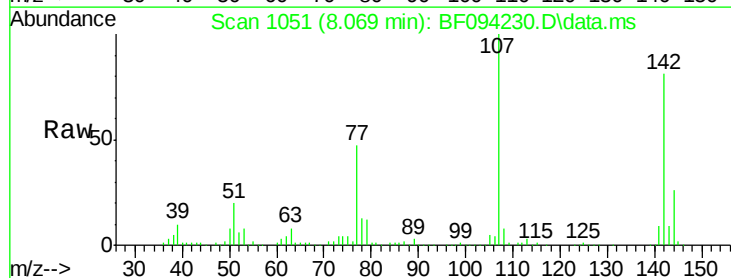
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

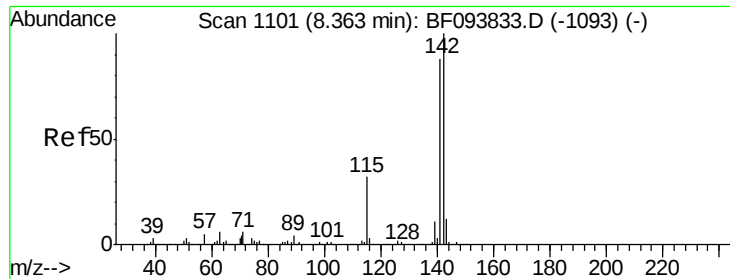
Tot Ion:113 Resp: 60761
 Ion Ratio Lower Upper
 113 100
 55 163.6 150.2 190.2
 56 123.4 107.8 147.8



#36
 4-Chloro-3-methylphenol
 Concen: 43.04 ng
 RT: 8.069 min Scan# 1051
 Delta R.T. -0.047 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion:107 Resp: 383970
 Ion Ratio Lower Upper
 107 100
 144 26.4 24.2 36.4
 142 80.6 73.4 110.0

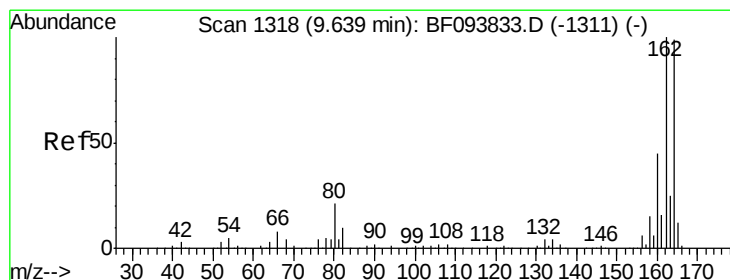
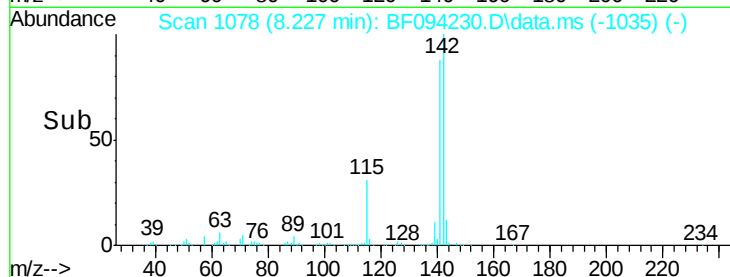
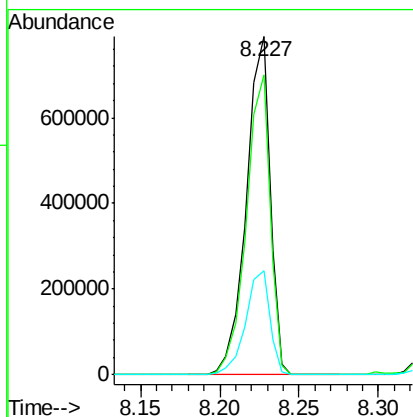
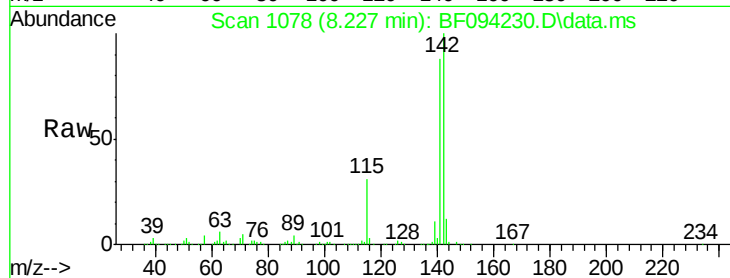




#37
2-Methylnaphthalene
Concen: 39.87 ng
RT: 8.227 min Scan# 10
Delta R.T. -0.047 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

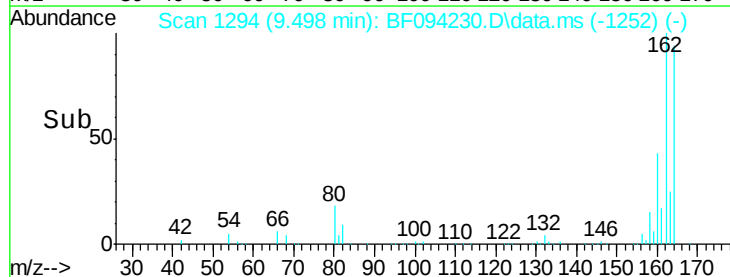
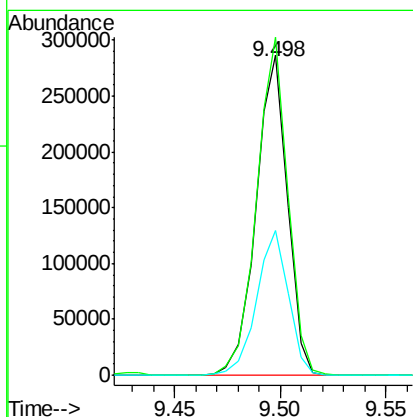
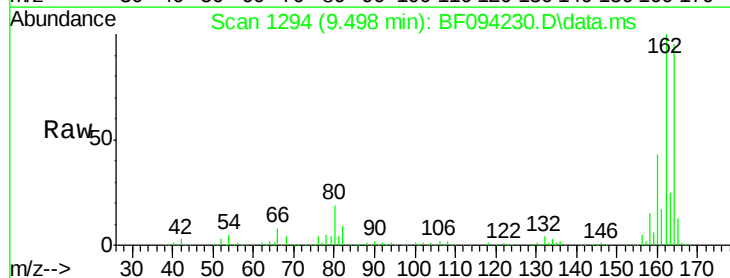
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

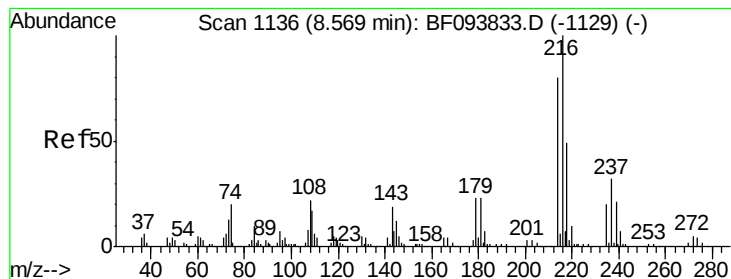
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9
115	30.6	27.1	40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.498 min Scan# 1294
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.6	123.8
160	45.3	36.2	54.2





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.28 ng

RT: 8.433 min Scan# 1111

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

Tot Ion:216 Resp: 302309

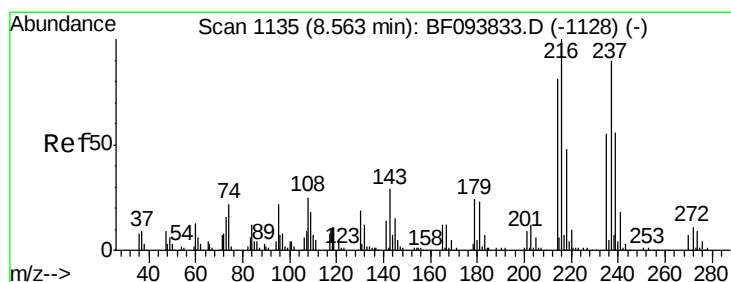
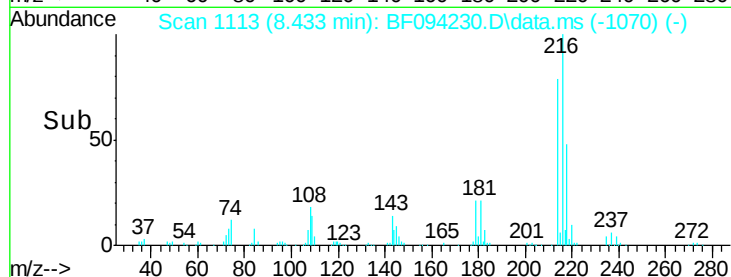
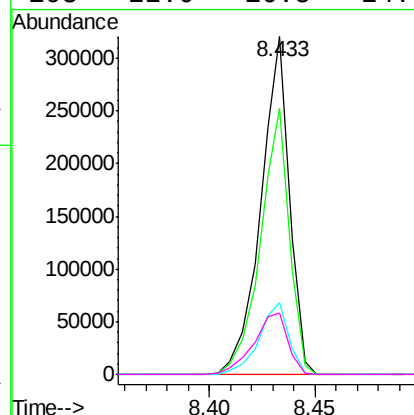
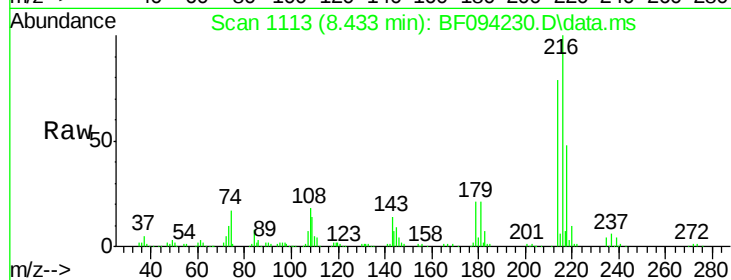
Ion Ratio Lower Upper

216 100

214 79.2 63.4 95.2

179 22.0 17.9 26.9

108 22.0 16.5 24.7



#40

Hexachlorocyclopentadiene

Concen: 58.16 ng

RT: 8.422 min Scan# 1111

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

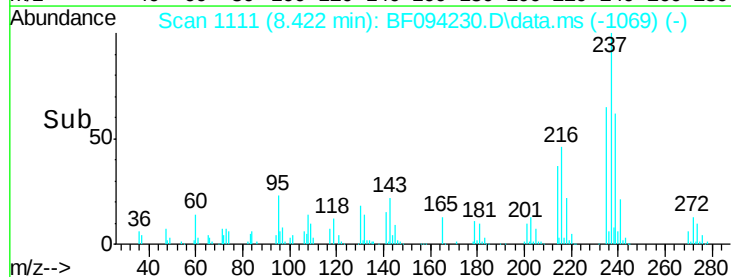
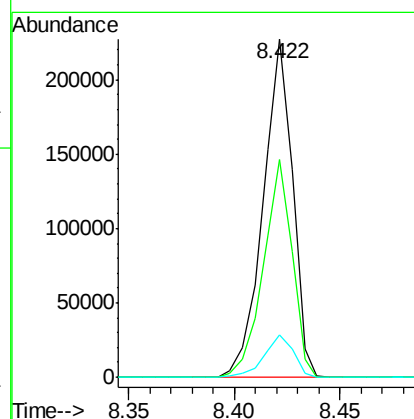
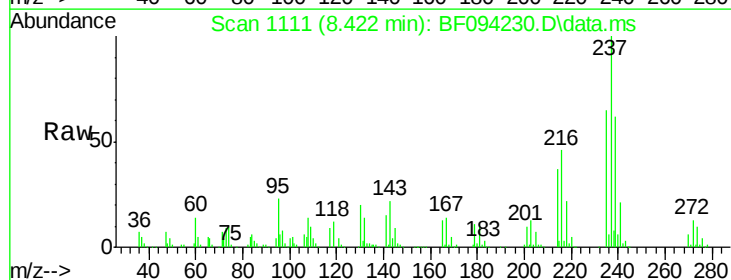
Tgt Ion:237 Resp: 220700

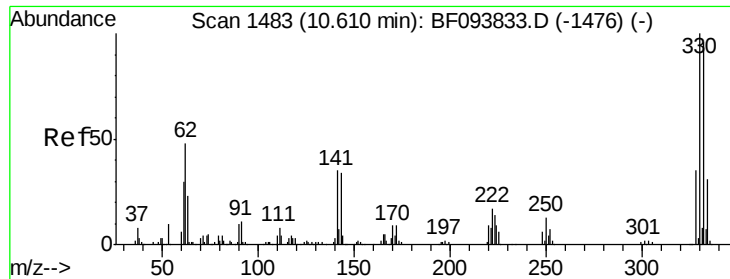
Ion Ratio Lower Upper

237 100

235 64.6 42.6 82.6

272 12.6 0.0 31.9

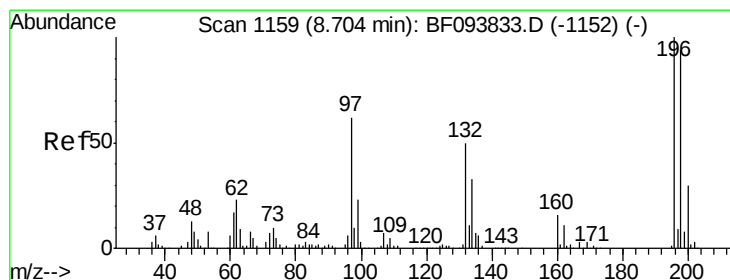
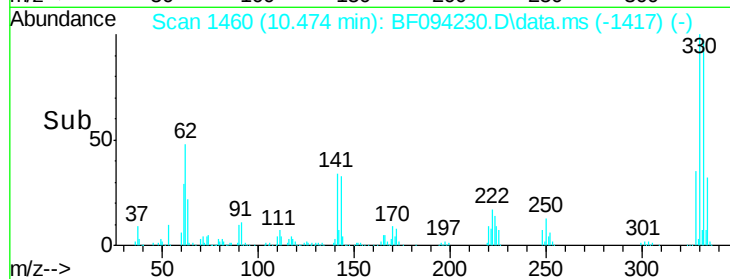
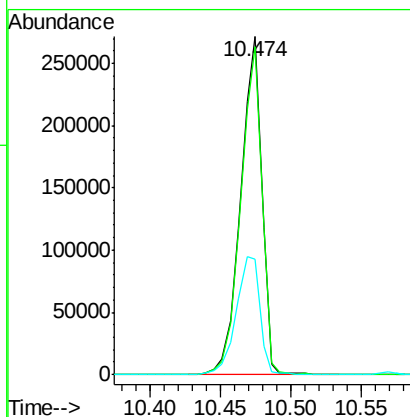
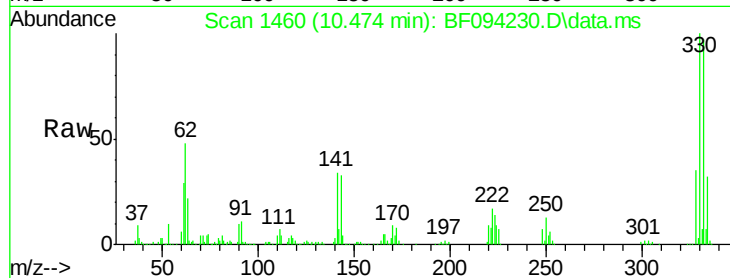




#41
 2,4,6-Tribromophenol
 Concen: 120.76 ng
 RT: 10.474 min Scan# 1483
 Delta R.T. -0.047 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

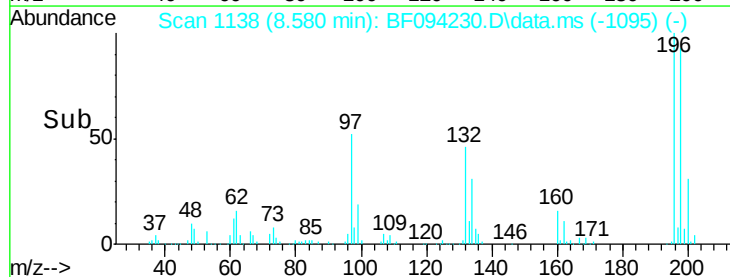
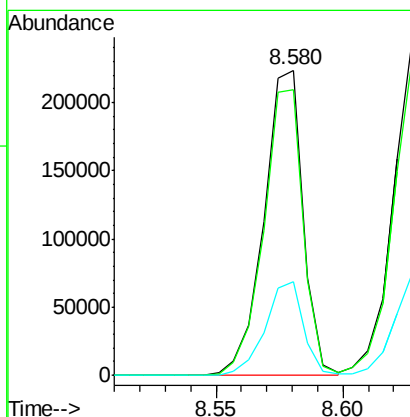
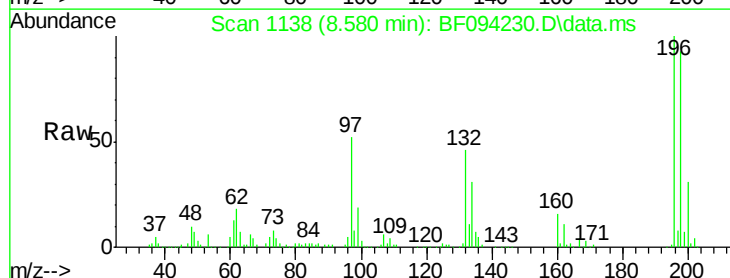
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

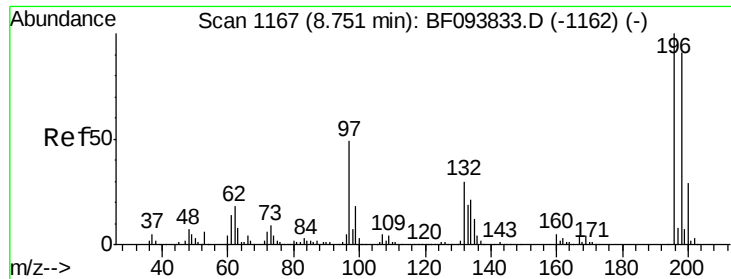
Tot Ion:330 Resp: 282899
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 39.3 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 42.12 ng
 RT: 8.580 min Scan# 1138
 Delta R.T. -0.047 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion:196 Resp: 241663
 Ion Ratio Lower Upper
 196 100
 198 93.5 74.2 111.4
 200 30.8 24.0 36.0

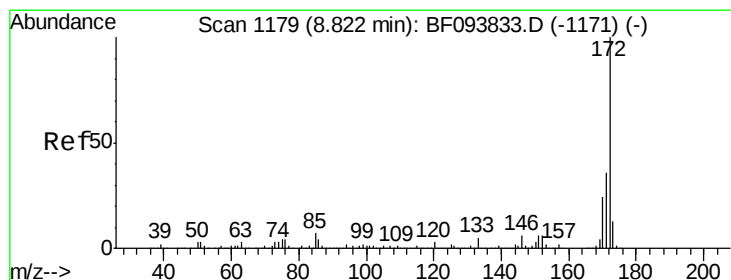
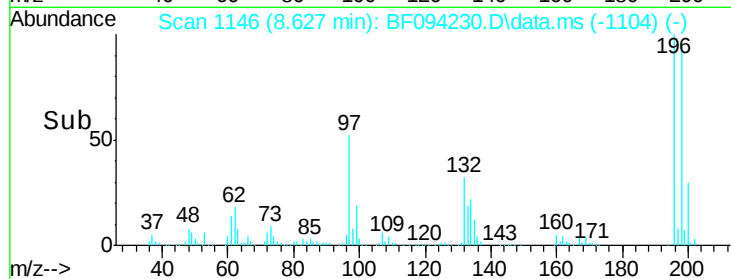
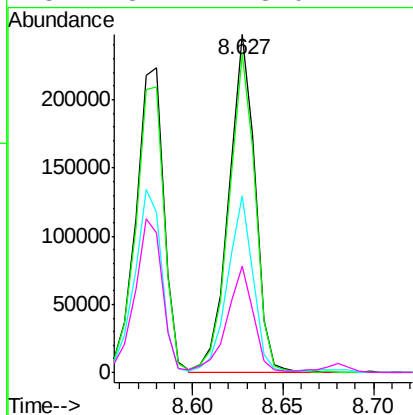
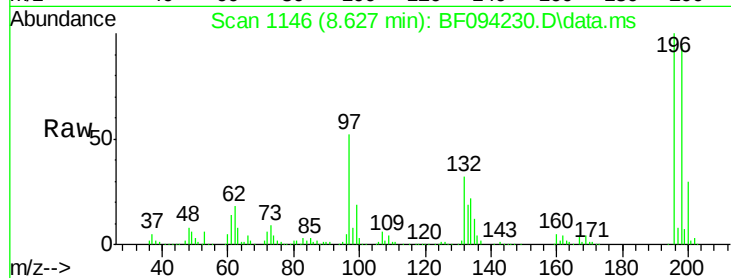




#43
 2,4,5-Trichlorophenol
 Concen: 40.49 ng
 RT: 8.627 min Scan# 1167
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

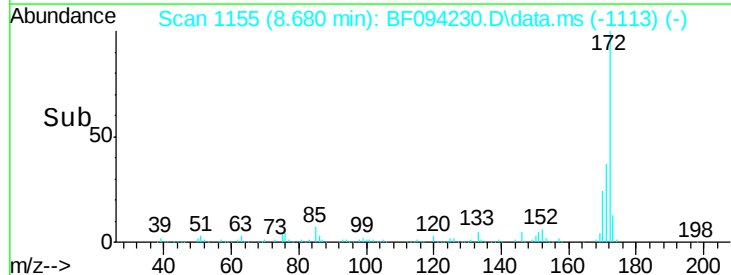
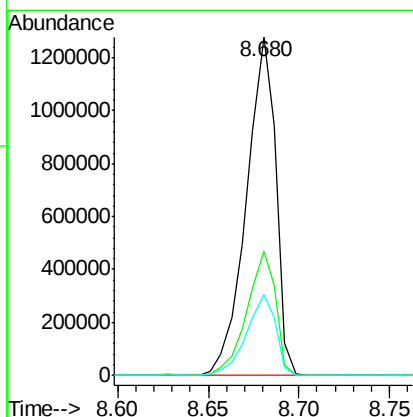
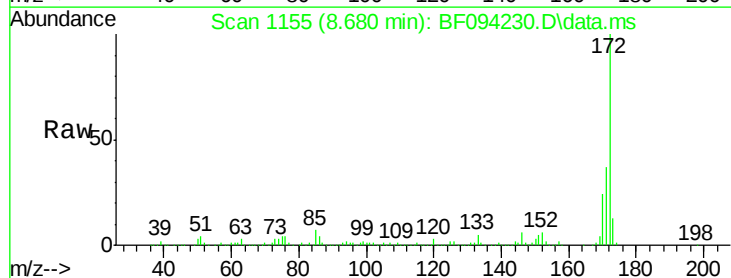
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

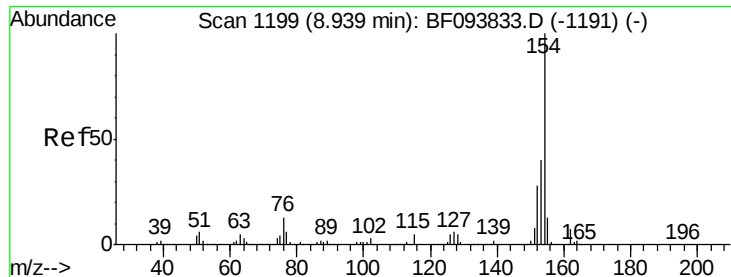
Tot Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.7	113.5
97	52.1	47.7	71.5
132	31.7	28.0	42.0



#44
 2-Fluorobiphenyl
 Concen: 74.08 ng
 RT: 8.680 min Scan# 1155
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.0	19.8	29.8

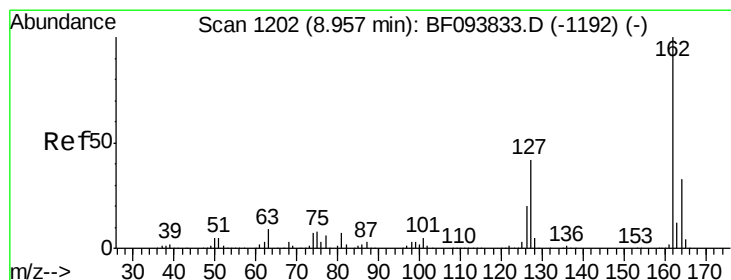
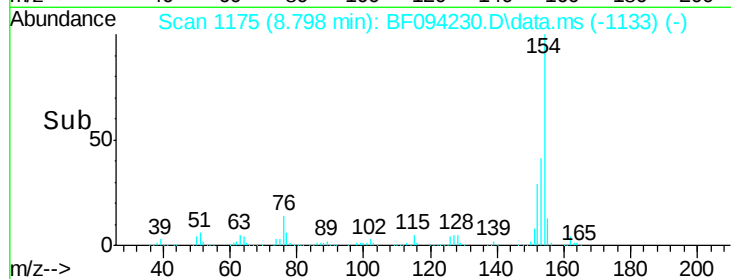
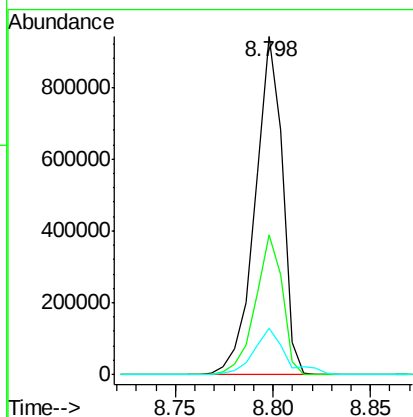
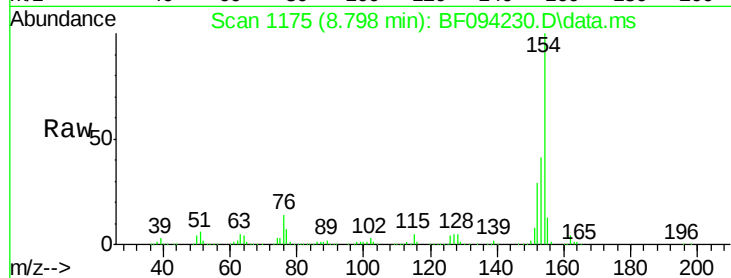




#45
 1,1'-Biphenyl
 Concen: 38.00 ng
 RT: 8.798 min Scan# 111
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

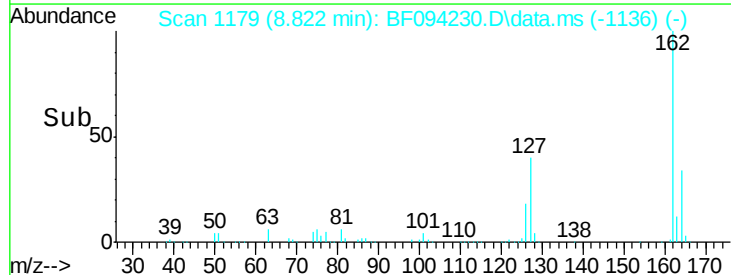
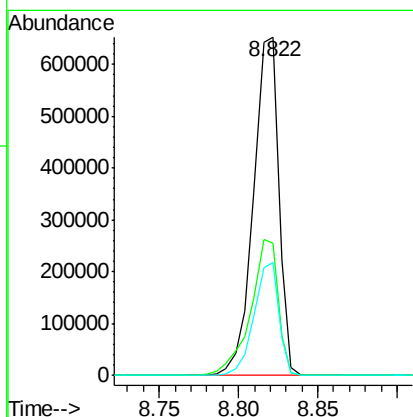
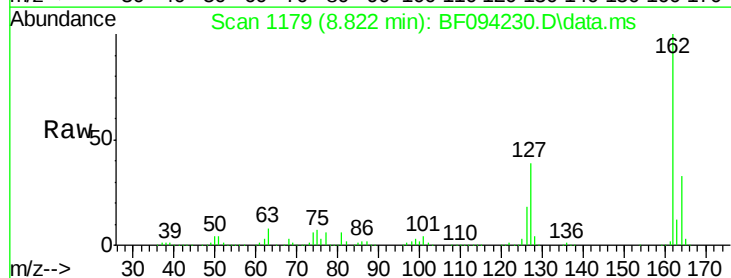
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

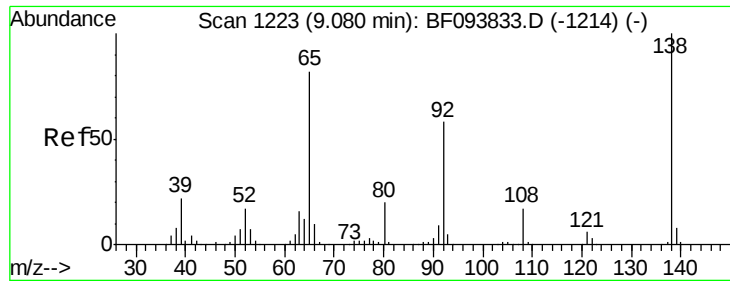
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.2	61.2
76	13.7	0.0	29.9



#46
 2-Chloronaphthalene
 Concen: 38.96 ng
 RT: 8.822 min Scan# 1179
 Delta R.T. -0.047 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.0	28.3	42.5
164	33.3	27.0	40.4

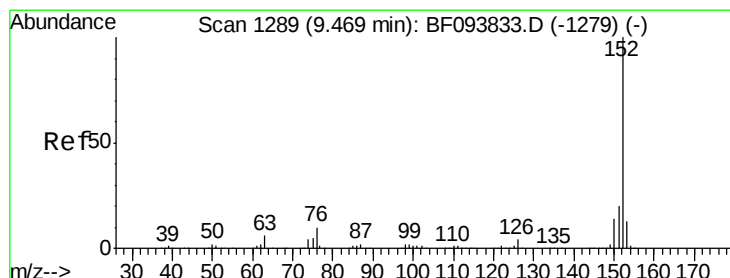
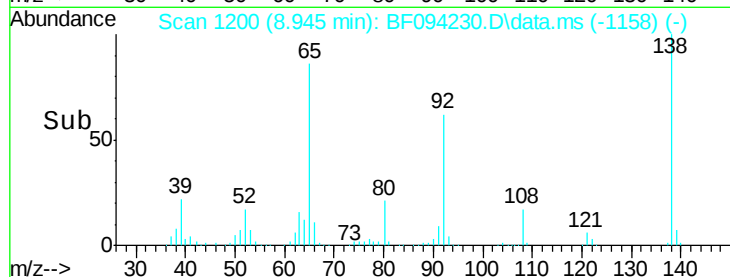
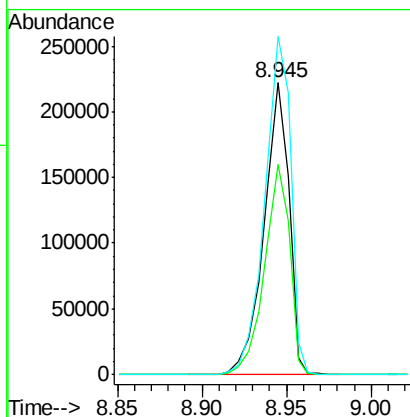
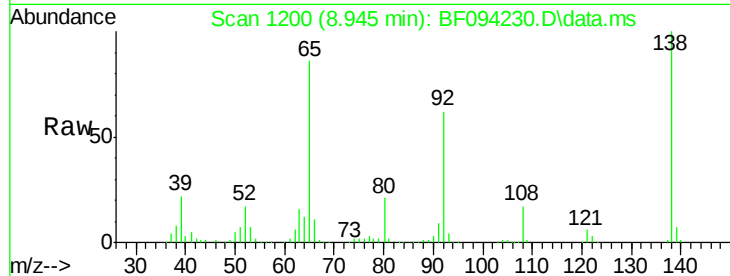




#47
 2-Nitroaniline
 Concen: 40.84 ng
 RT: 8.945 min Scan# 1265
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

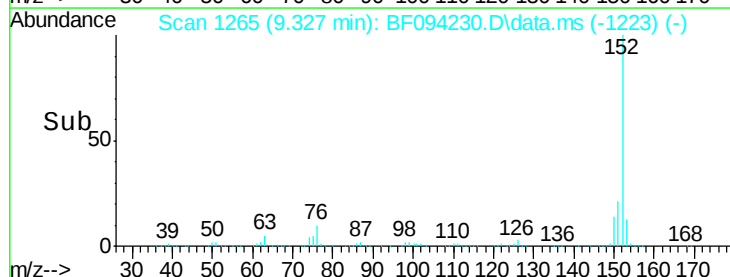
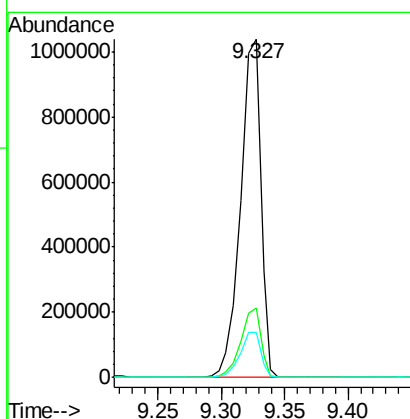
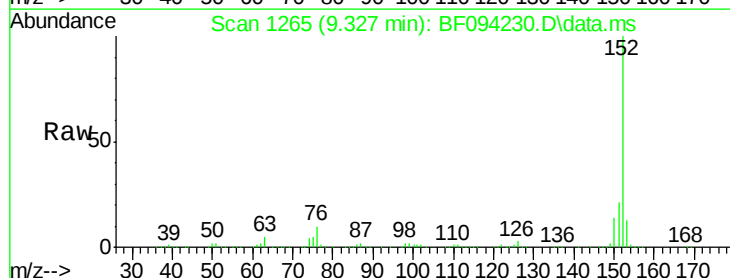
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

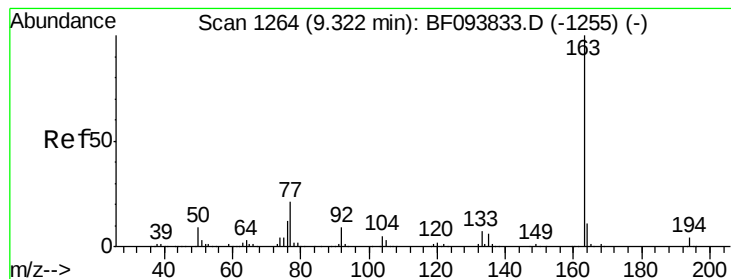
Tot Ion: 65 Resp: 226783
 Ion Ratio Lower Upper
 65 100
 92 71.9 53.9 80.9
 138 115.8 78.8 118.2



#48
 Acenaphthylene
 Concen: 37.02 ng
 RT: 9.327 min Scan# 1265
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion: 152 Resp: 1151469
 Ion Ratio Lower Upper
 152 100
 151 20.6 16.8 25.2
 153 13.3 10.8 16.2





#49

Dimethylphthalate

Concen: 48.14 ng

RT: 9.192 min Scan# 12

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

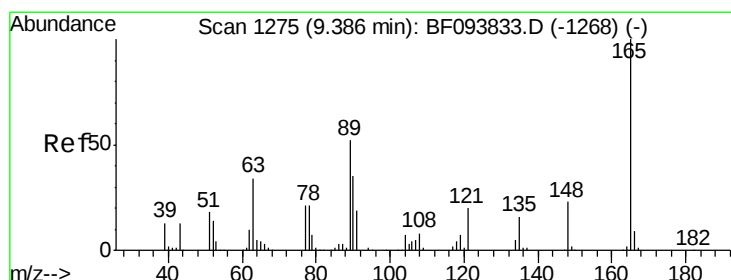
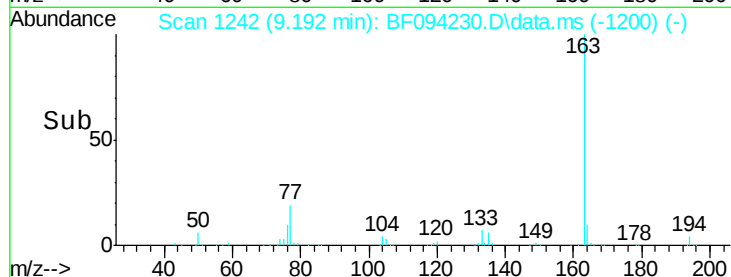
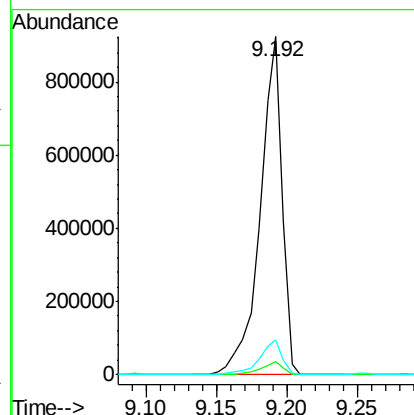
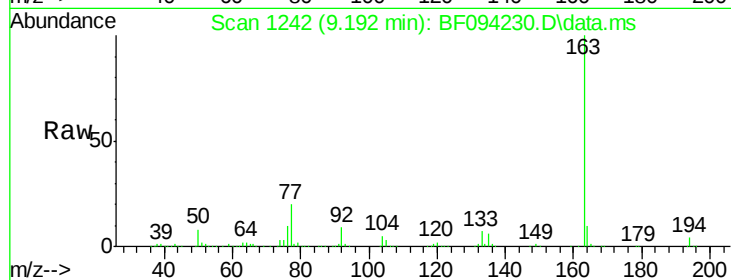
Tot Ion:163 Resp: 1014522

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

164 10.3 8.4 12.6



#50

2,6-Dinitrotoluene

Concen: 40.43 ng

RT: 9.257 min Scan# 1253

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

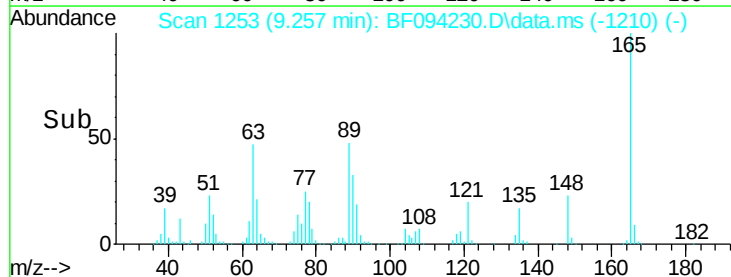
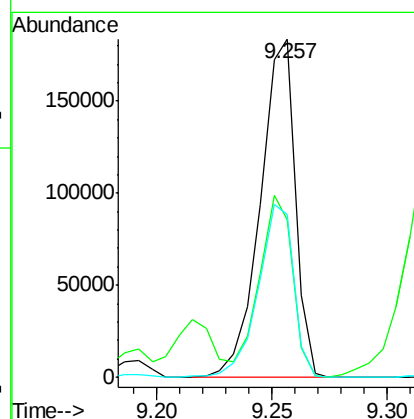
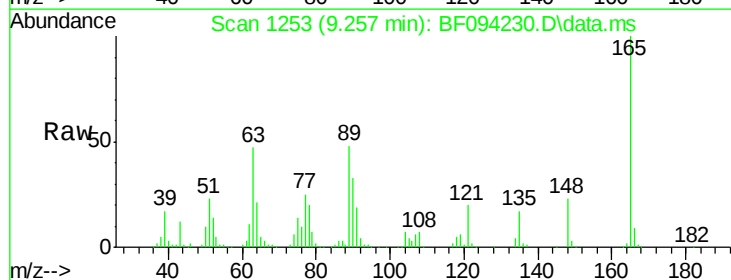
Tgt Ion:165 Resp: 195327

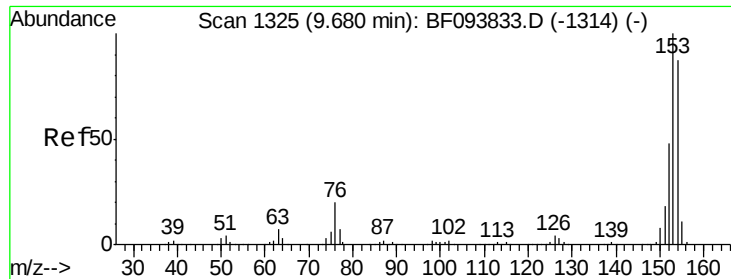
Ion Ratio Lower Upper

165 100

63 46.7 34.3 51.5

89 48.1 37.1 55.7





#51

Acenaphthene

Concen: 37.52 ng

RT: 9.539 min Scan# 13

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

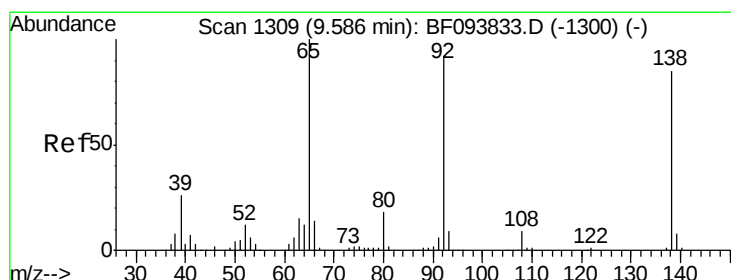
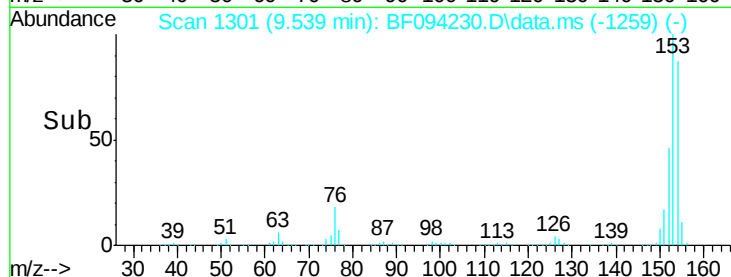
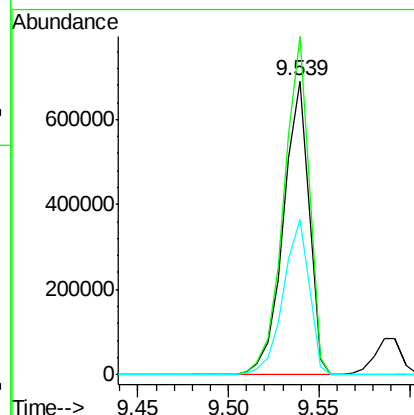
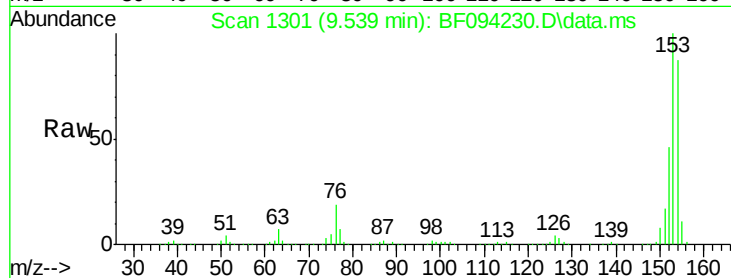
Tot Ion:154 Resp: 680989

Ion Ratio Lower Upper

154 100

153 115.2 90.5 135.7

152 52.9 43.6 65.4



#52

3-Nitroaniline

Concen: 22.93 ng

RT: 9.451 min Scan# 1286

Delta R.T. -0.059 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

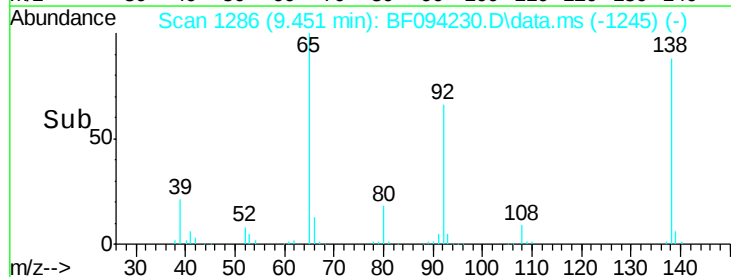
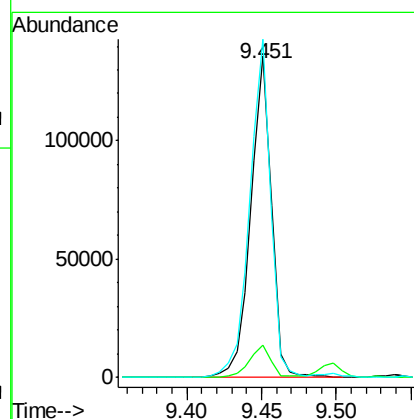
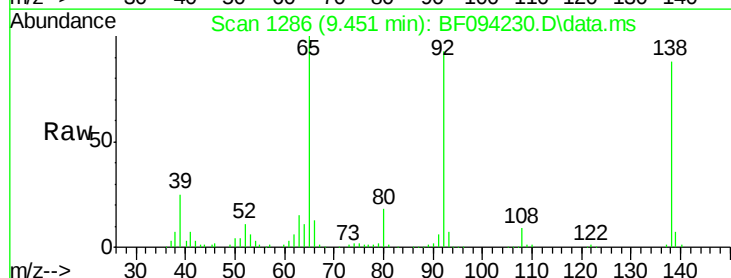
Tgt Ion:138 Resp: 130049

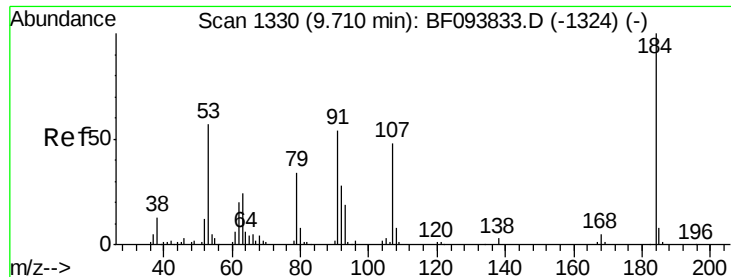
Ion Ratio Lower Upper

138 100

108 10.1 9.1 13.7

92 105.0 93.8 140.6

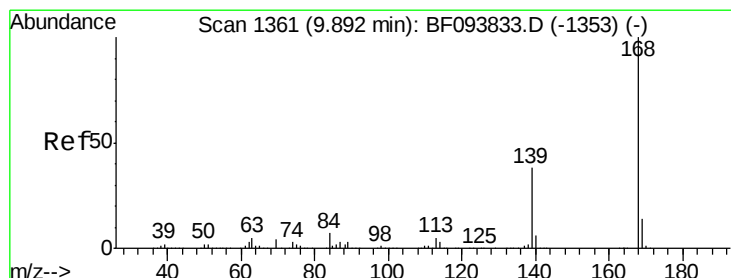
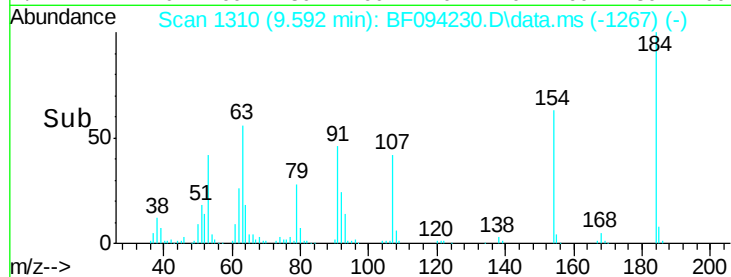
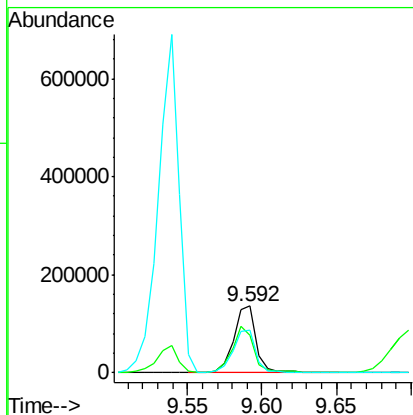
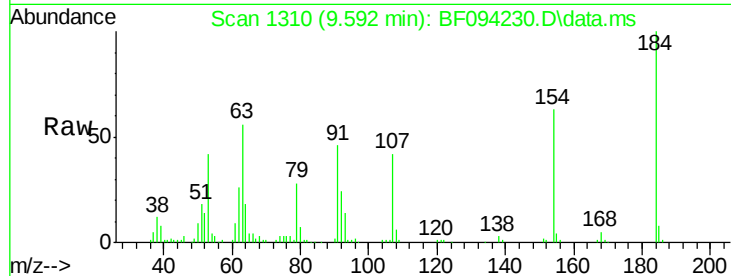




#53
2,4-Dinitrophenol
Concen: 57.28 ng
RT: 9.592 min Scan# 1330
Delta R.T. -0.047 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

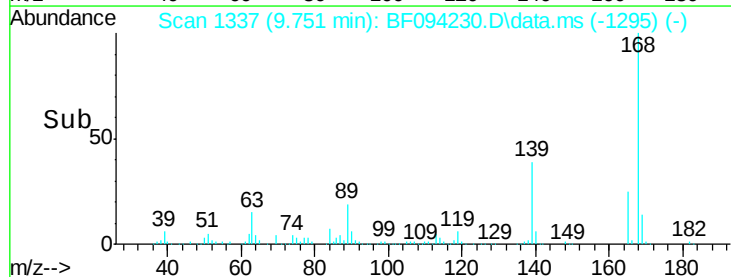
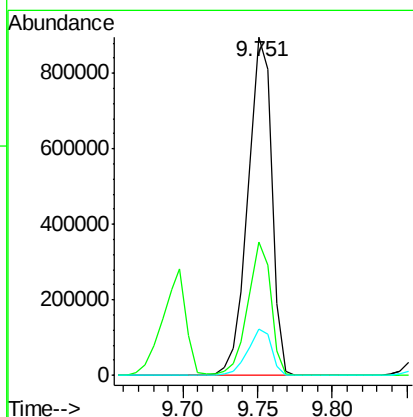
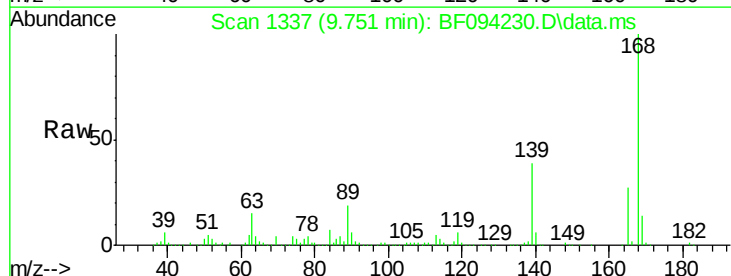
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

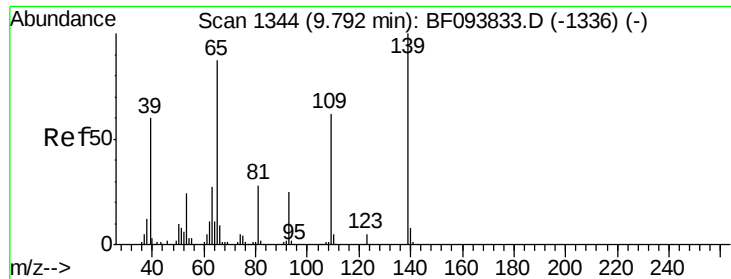
Tot Ion:184 Resp: 144449
Ion Ratio Lower Upper
184 100
63 56.5 62.7 94.1#
154 63.1 81.1 121.7#



#54
Dibenzofuran
Concen: 39.78 ng
RT: 9.751 min Scan# 1337
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion:168 Resp: 982863
Ion Ratio Lower Upper
168 100
139 39.4 30.6 45.8
169 13.6 10.8 16.2





#55

4-Nitrophenol

Concen: 70.82 ng

RT: 9.698 min Scan# 1337

Delta R.T. -0.041 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

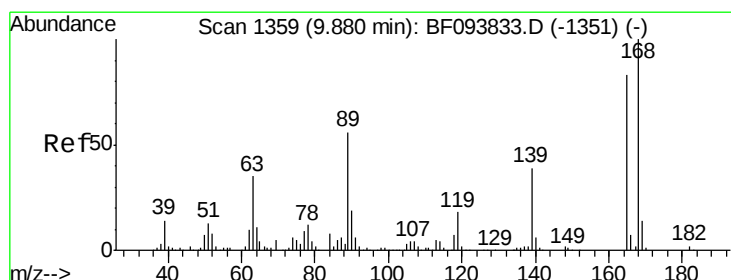
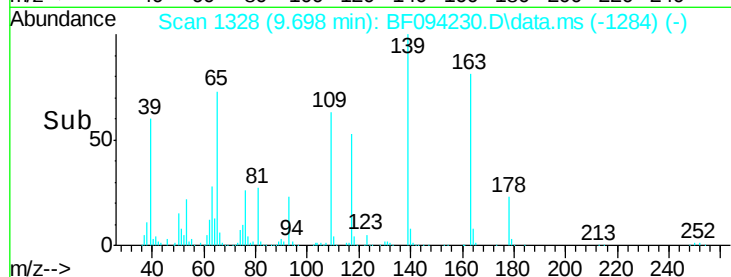
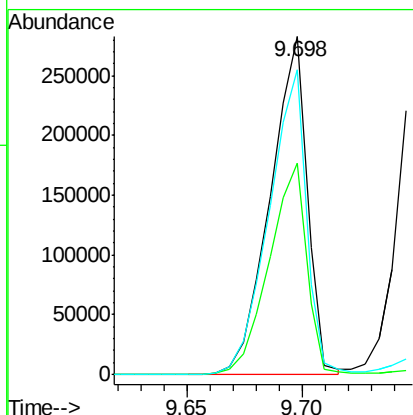
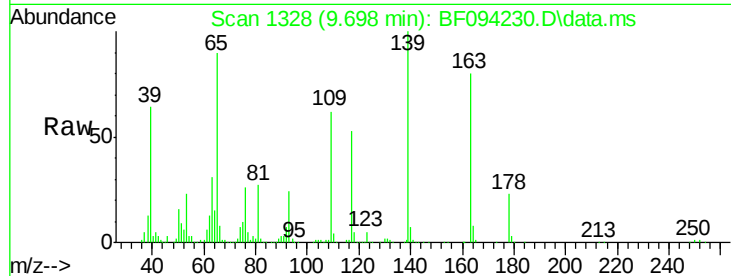
Tot Ion:139 Resp: 314581

Ion Ratio Lower Upper

139 100

109 62.4 34.1 74.1

65 90.3 31.4 71.4#



#56

2,4-Dinitrotoluene

Concen: 39.73 ng

RT: 9.751 min Scan# 1337

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Tgt Ion:165 Resp: 241069

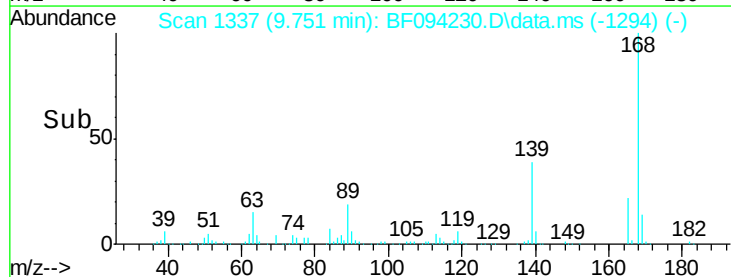
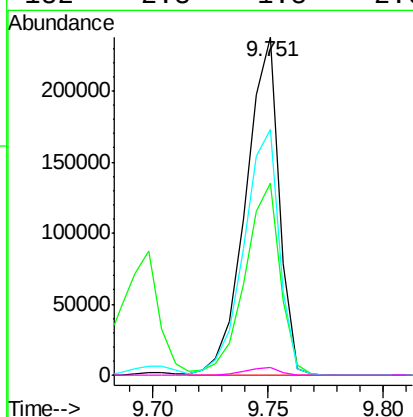
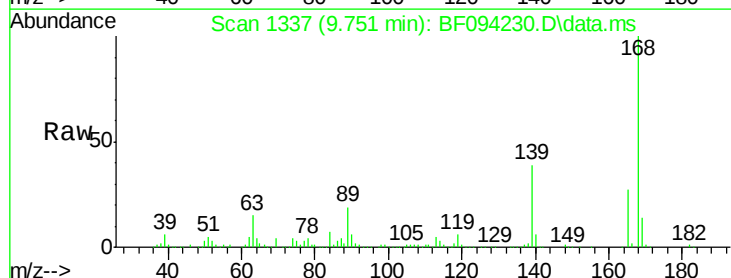
Ion Ratio Lower Upper

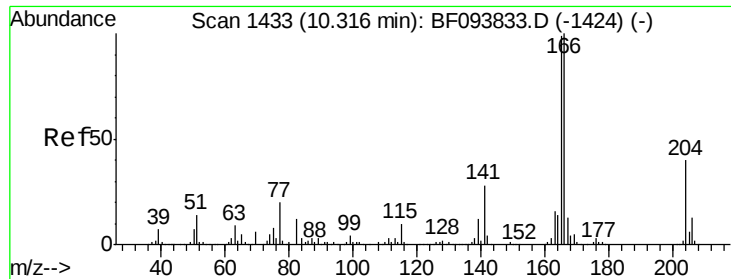
165 100

63 56.8 25.4 38.0#

89 72.7 46.4 69.6#

182 2.3 1.8 2.6





#57

Fluorene

Concen: 36.80 ng

RT: 10.174 min Scan# 14

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

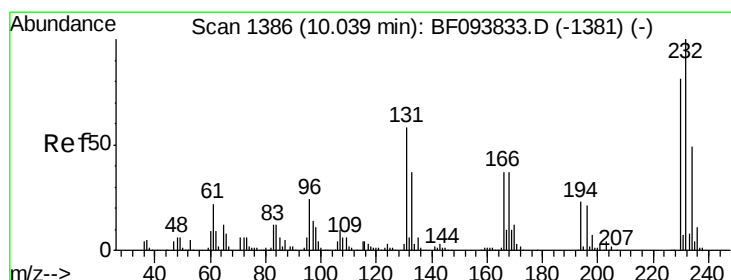
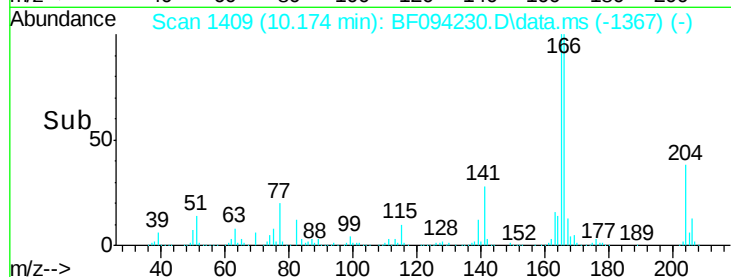
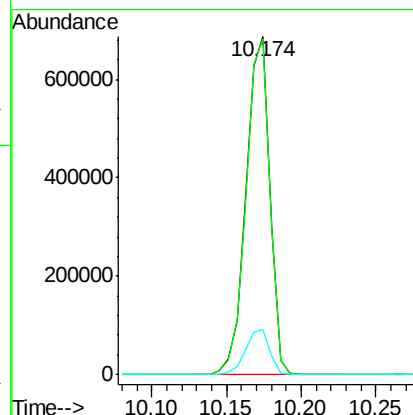
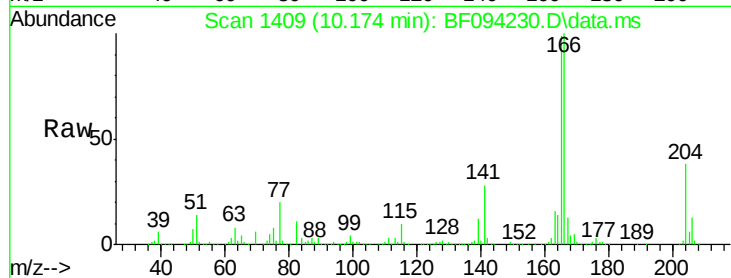
Tot Ion:166 Resp: 754071

Ion Ratio Lower Upper

166 100

165 99.3 78.8 118.2

167 13.3 10.6 16.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.56 ng

RT: 9.910 min Scan# 1364

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Tgt Ion:232 Resp: 185566

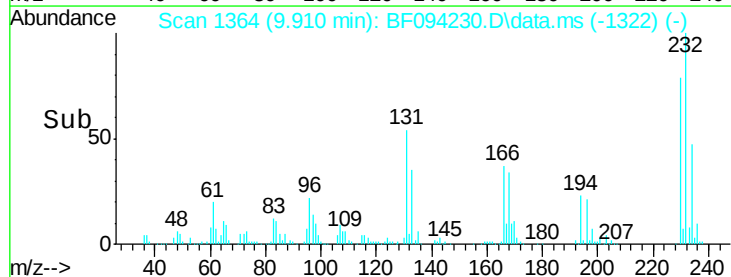
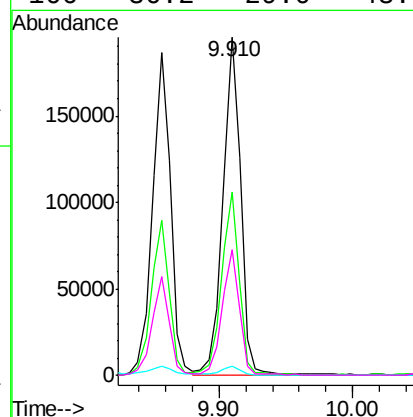
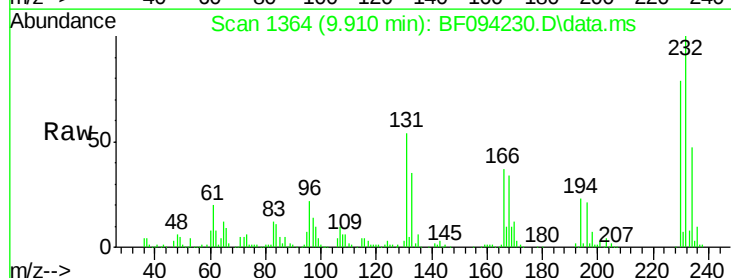
Ion Ratio Lower Upper

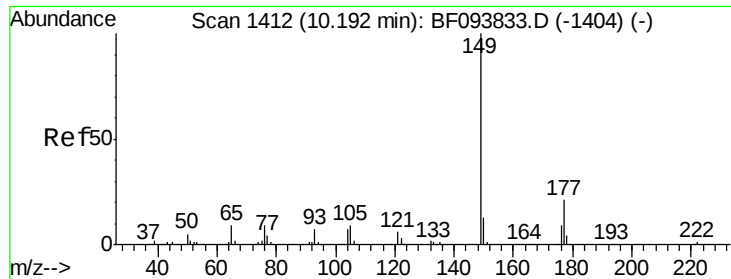
232 100

131 53.8 44.8 67.2

130 2.9 2.3 3.5

166 36.2 29.0 43.4





#59

Diethylphthalate

Concen: 39.82 ng

RT: 10.057 min Scan# 13

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

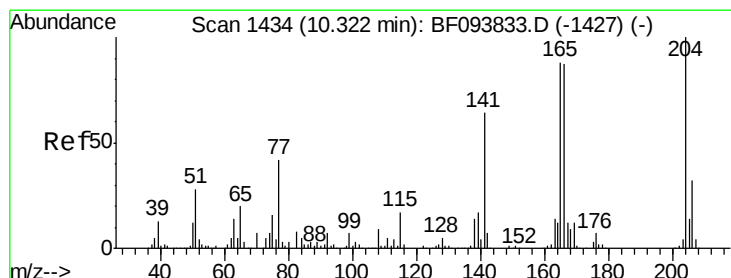
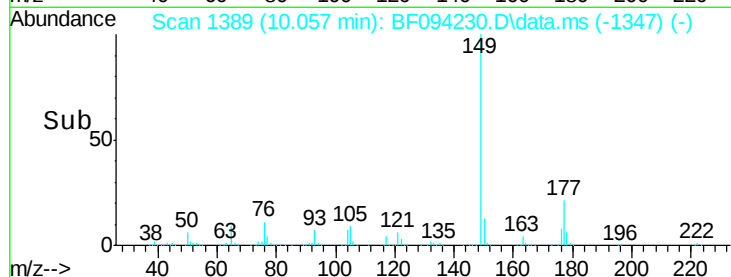
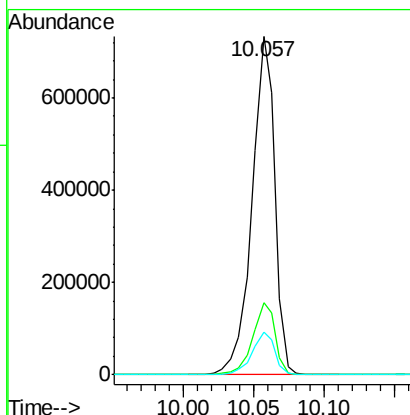
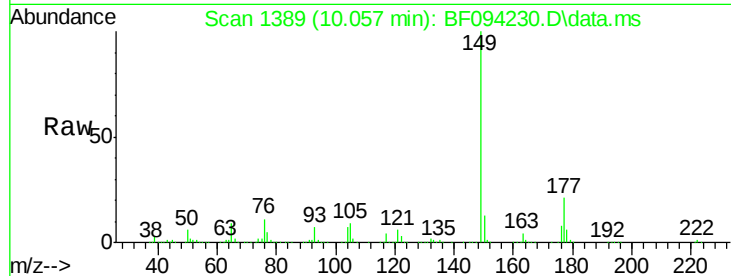
Tot Ion:149 Resp: 829369

Ion Ratio Lower Upper

149 100

177 21.1 16.7 25.1

150 12.7 10.2 15.2



#60

4-Chlorophenyl-phenylether

Concen: 37.04 ng

RT: 10.180 min Scan# 1410

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

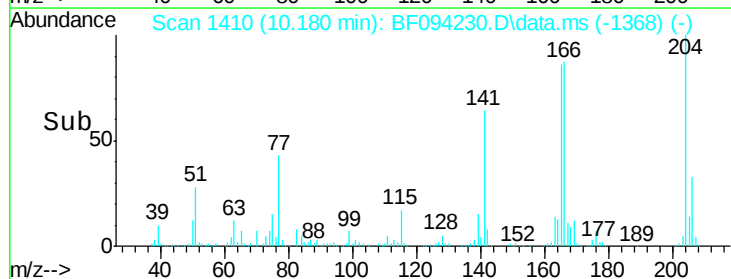
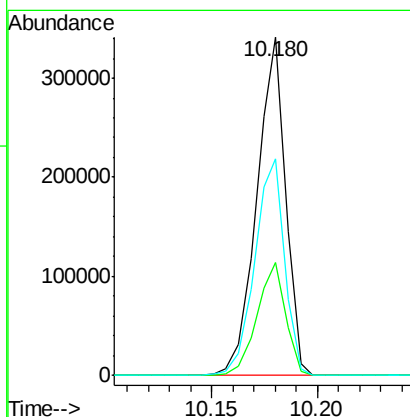
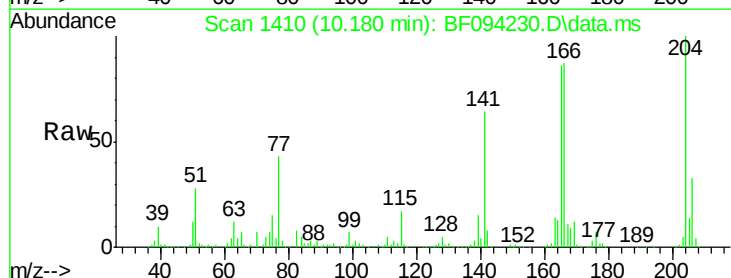
Tgt Ion:204 Resp: 323298

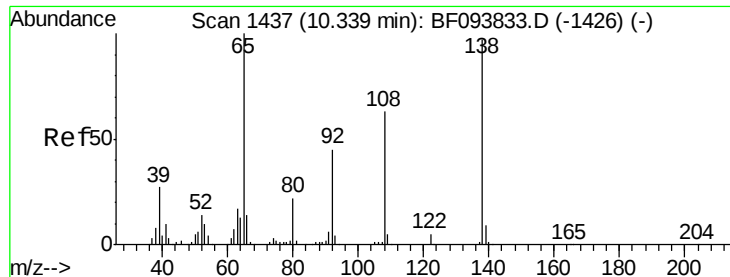
Ion Ratio Lower Upper

204 100

206 33.4 26.2 39.2

141 64.1 60.8 91.2

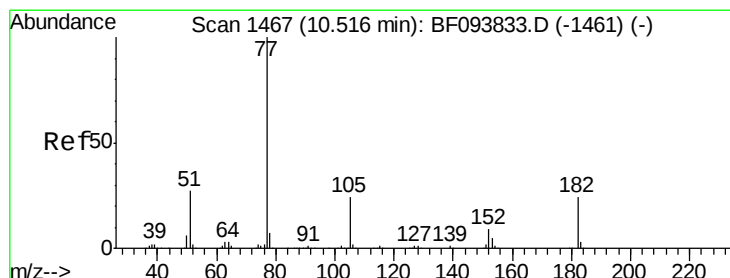
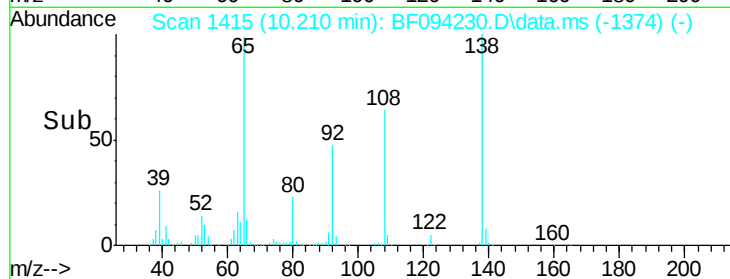
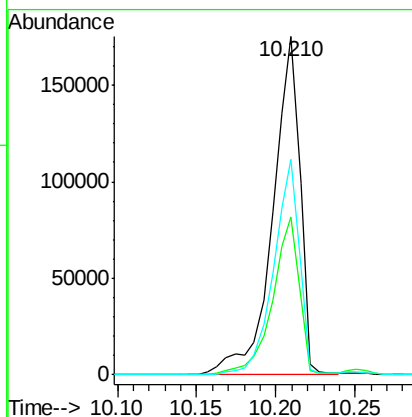
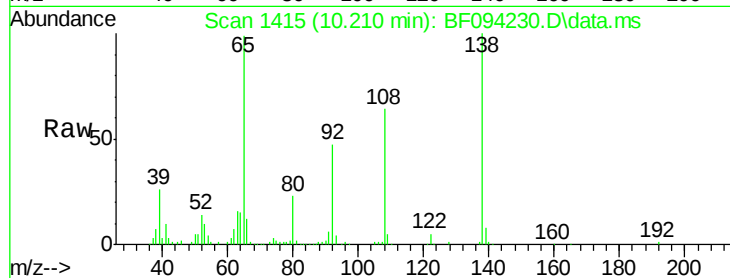




#61
4-Nitroaniline
Concen: 38.37 ng
RT: 10.210 min Scan# 1415
Delta R.T. -0.059 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

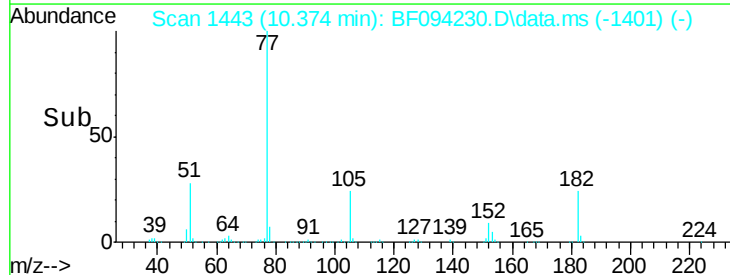
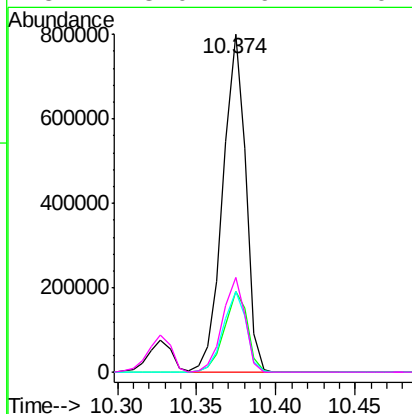
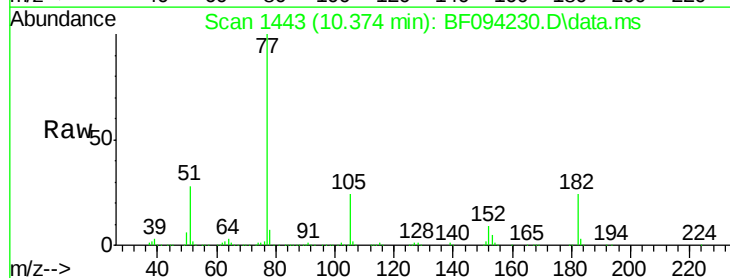
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

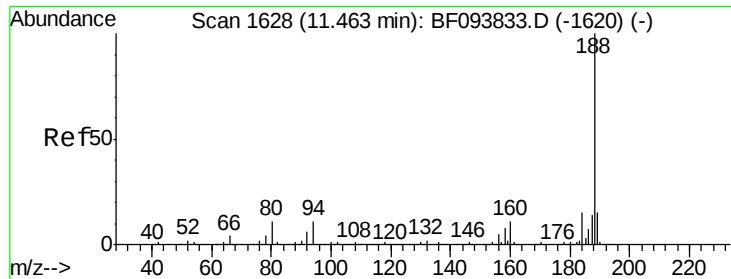
Tot Ion:138 Resp: 208865
Ion Ratio Lower Upper
138 100
92 46.7 21.8 61.8
108 63.7 42.3 82.3



#62
Azobenzene
Concen: 40.63 ng
RT: 10.374 min Scan# 1443
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion: 77 Resp: 800439
Ion Ratio Lower Upper
77 100
182 23.8 0.1 40.1
105 23.8 3.6 43.6
51 28.0 9.4 49.4

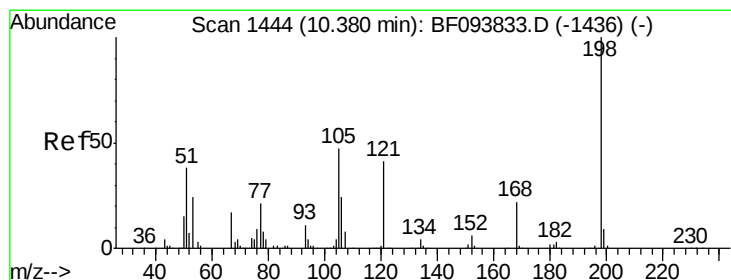
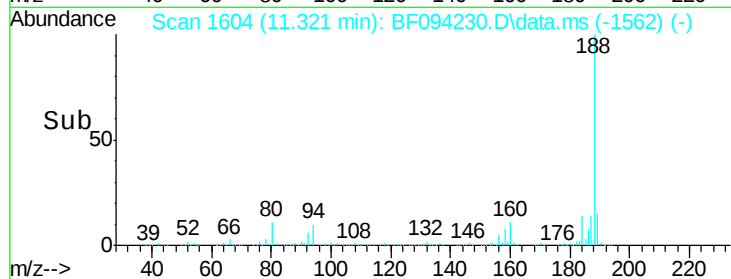
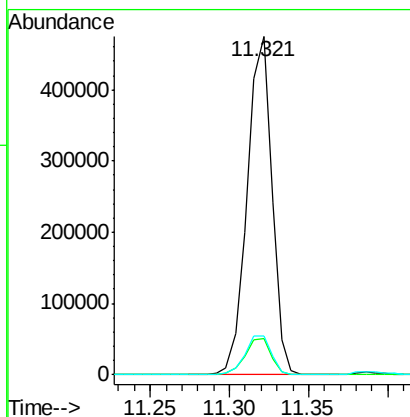
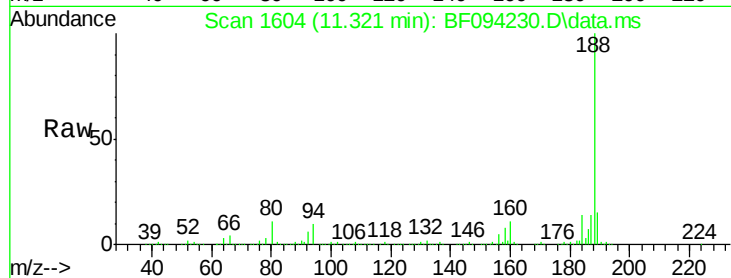




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.321 min Scan# 16
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

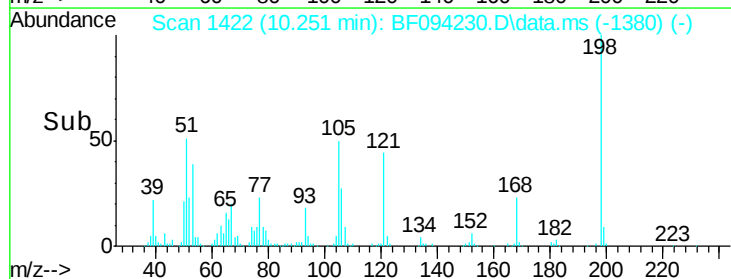
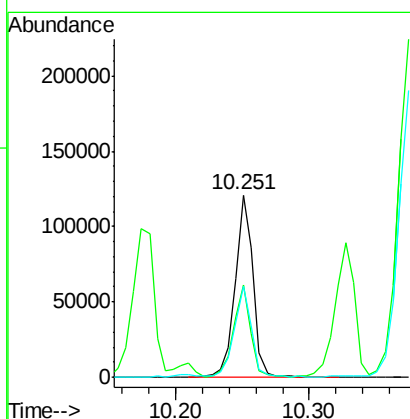
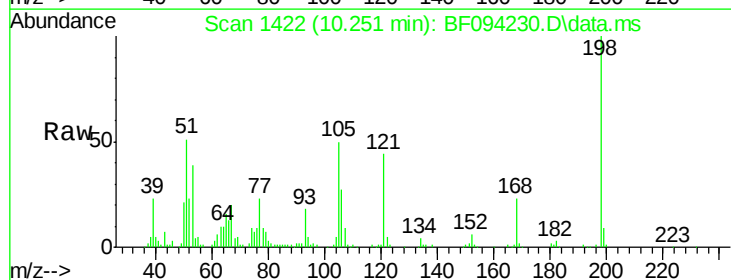
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

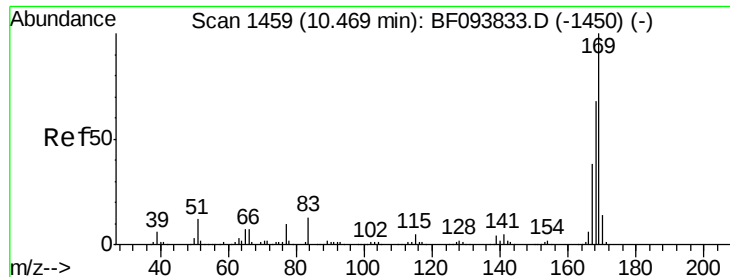
Tot Ion:188 Resp: 514658
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.4 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 36.13 ng
RT: 10.251 min Scan# 1422
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion:198 Resp: 113876
Ion Ratio Lower Upper
198 100
51 51.0 53.2 93.2#
105 49.7 45.8 85.8





#65

n-Nitrosodiphenylamine

Concen: 40.05 ng

RT: 10.327 min Scan# 14

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

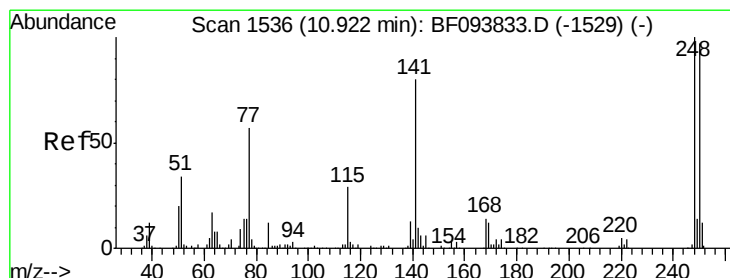
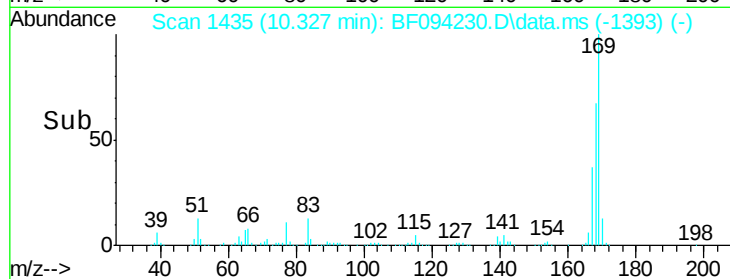
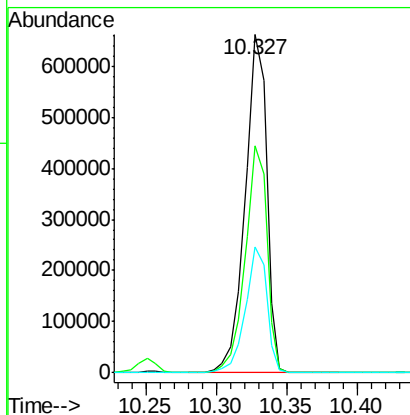
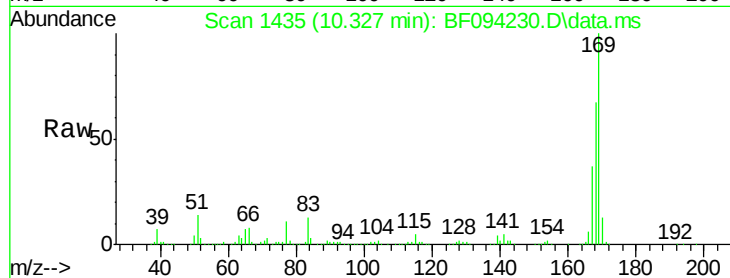
Tot Ion:169 Resp: 712807

Ion Ratio Lower Upper

169 100

168 67.1 53.2 79.8

167 37.1 29.5 44.3



#66

4-Bromophenyl-phenylether

Concen: 39.27 ng

RT: 10.780 min Scan# 1512

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

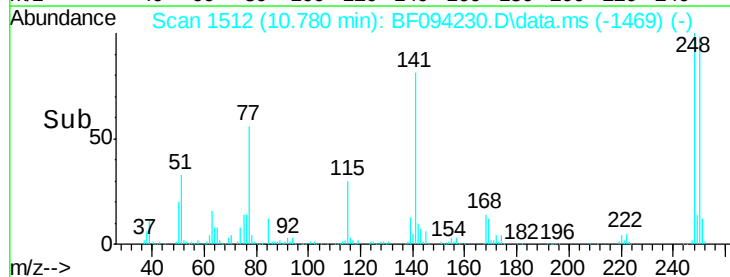
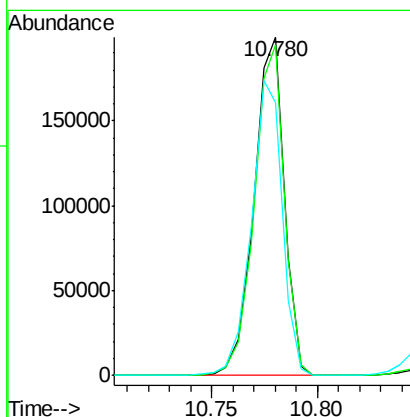
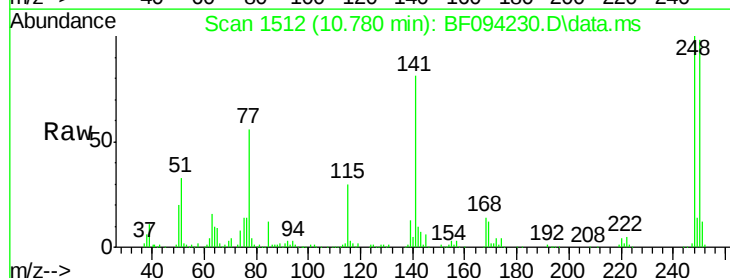
Tgt Ion:248 Resp: 198775

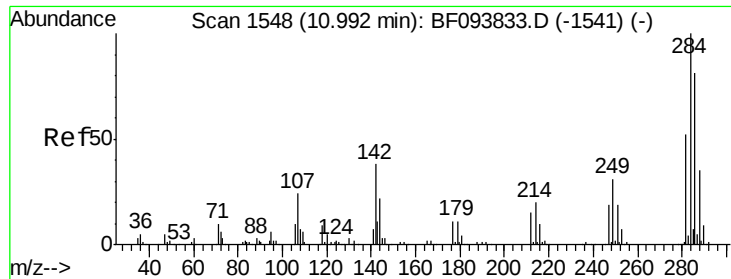
Ion Ratio Lower Upper

248 100

250 97.8 76.8 115.2

141 80.7 68.6 103.0

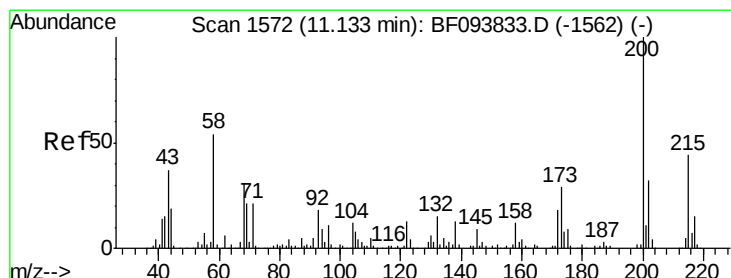
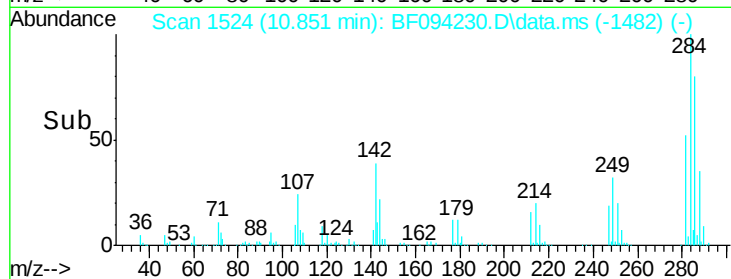
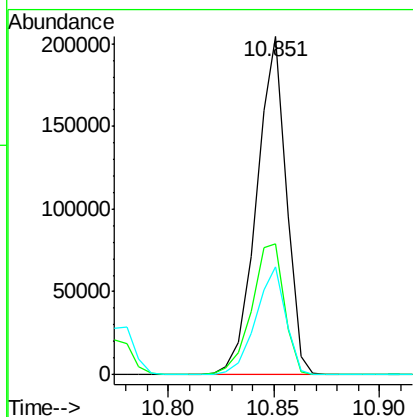
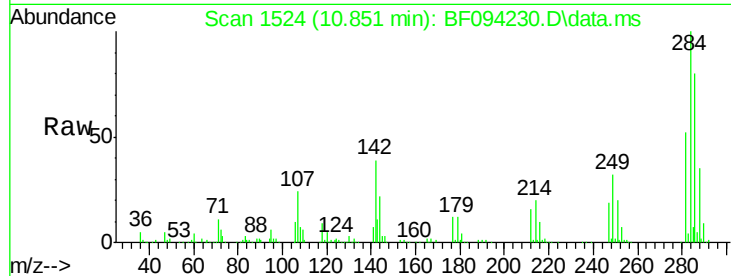




#67
Hexachlorobenzene
Concen: 39.08 ng
RT: 10.851 min Scan# 1548
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

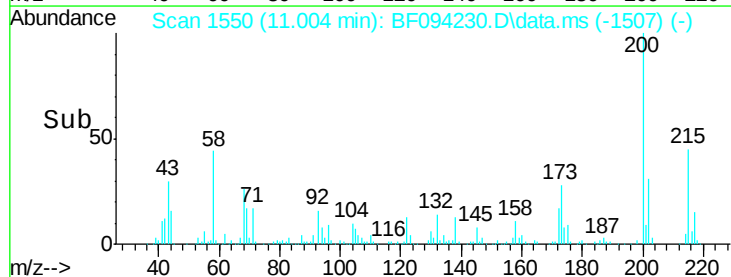
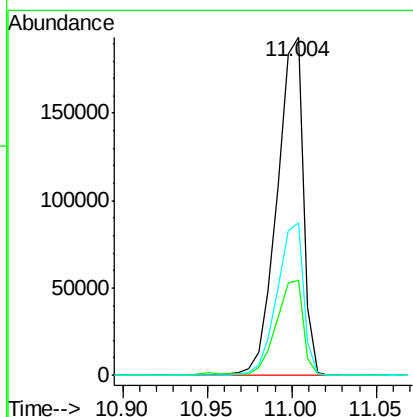
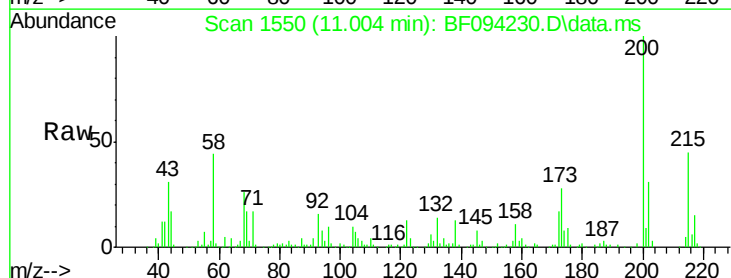
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

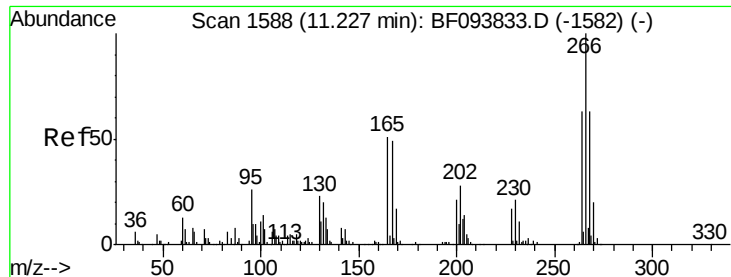
Tot Ion:284 Resp: 200267
Ion Ratio Lower Upper
284 100
142 38.7 22.8 34.2#
249 32.0 24.0 36.0



#68
Atrazine
Concen: 39.26 ng
RT: 11.004 min Scan# 1550
Delta R.T. -0.047 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion:200 Resp: 209288
Ion Ratio Lower Upper
200 100
173 28.1 6.3 46.3
215 45.2 27.2 67.2





#69

Pentachlorophenol

Concen: 68.90 ng

RT: 11.098 min Scan# 15

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

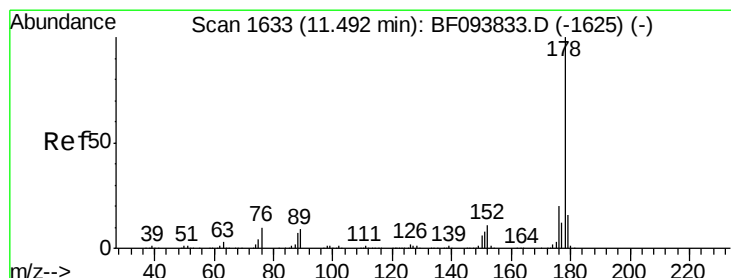
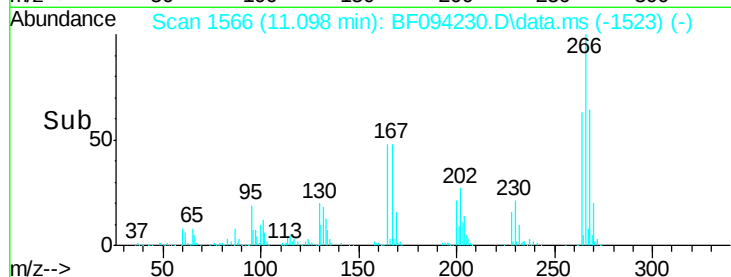
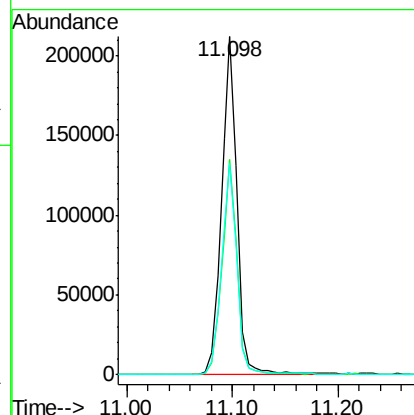
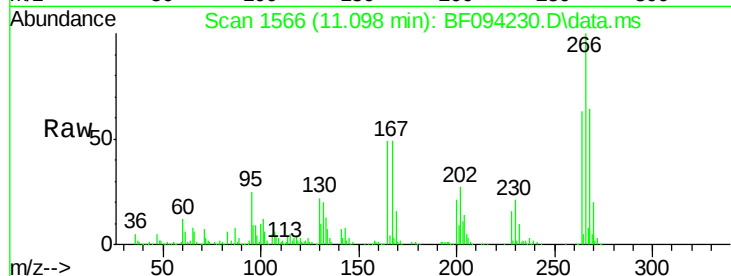
Tot Ion:266 Resp: 219738

Ion Ratio Lower Upper

266 100

268 63.5 51.1 76.7

264 62.6 51.7 77.5



#70

Phenanthrene

Concen: 38.00 ng

RT: 11.351 min Scan# 1609

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

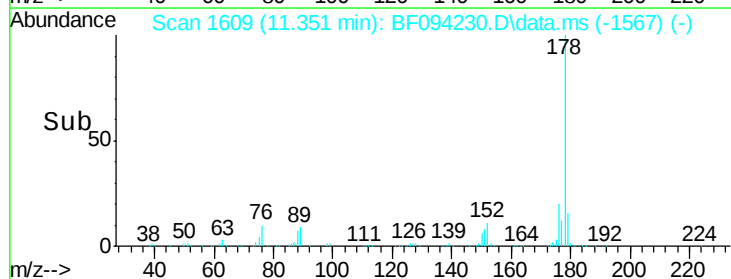
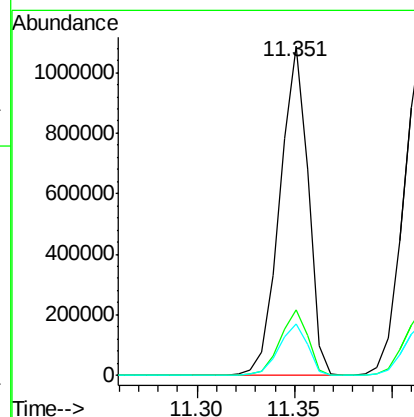
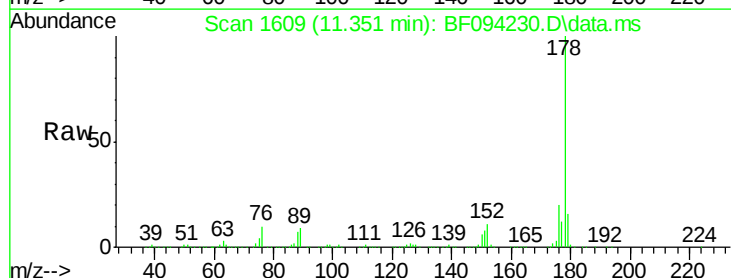
Tgt Ion:178 Resp: 1088046

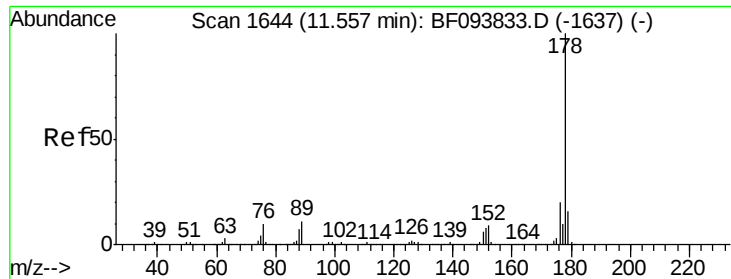
Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.4

179 15.7 12.6 19.0

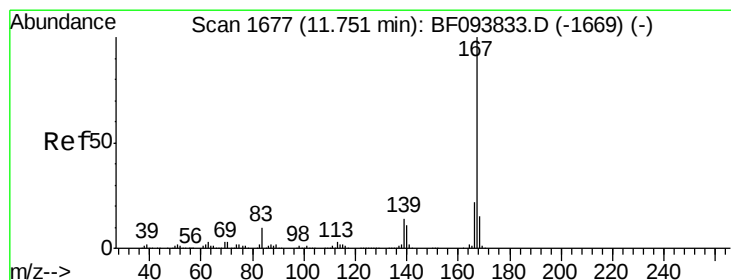
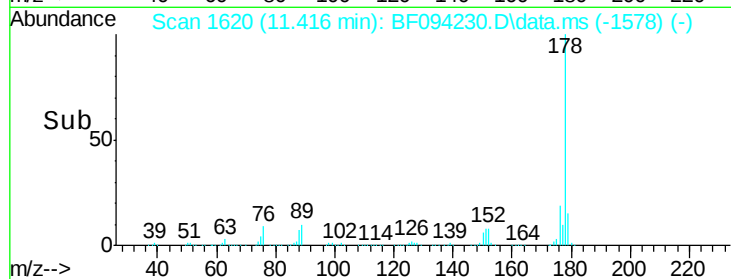
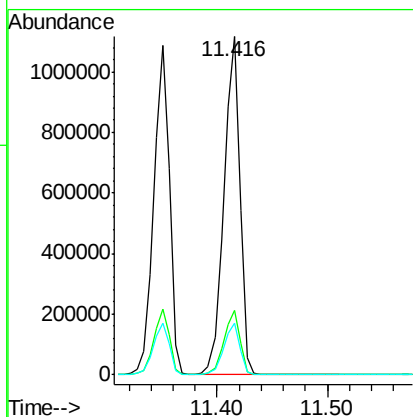
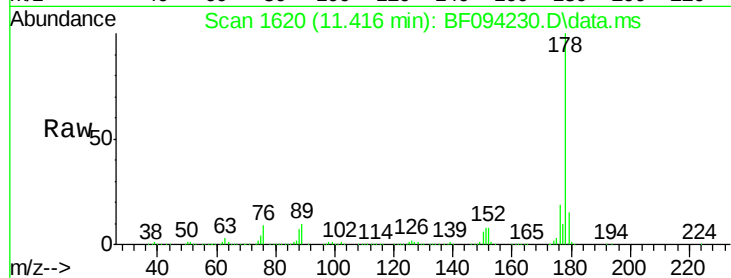




#71
 Anthracene
 Concen: 38.49 ng
 RT: 11.416 min Scan# 1644
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

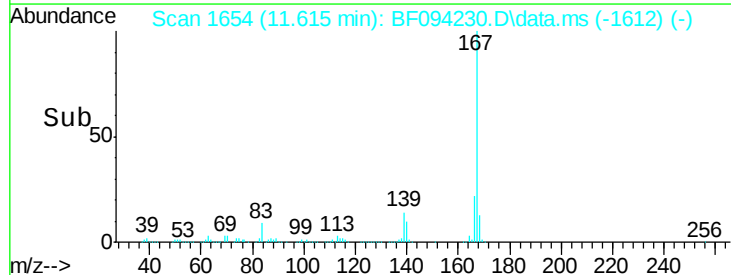
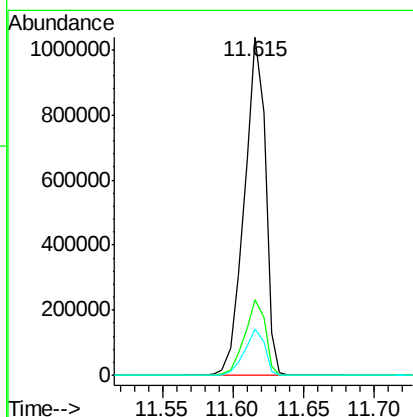
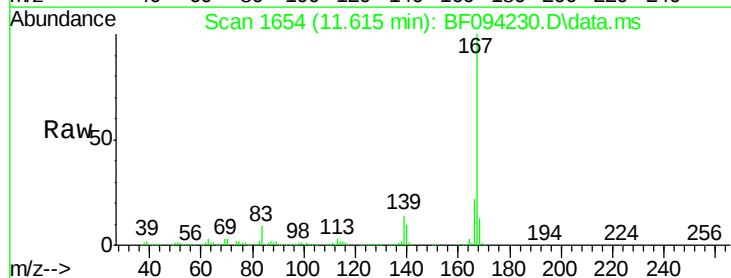
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

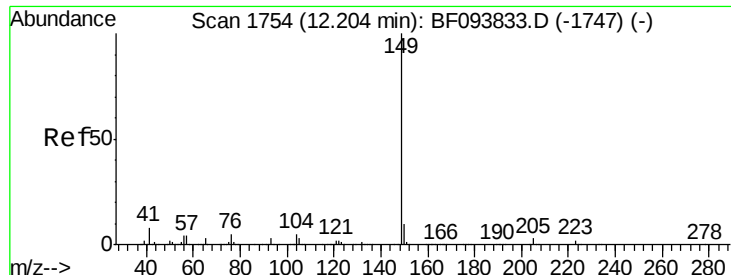
Tot Ion:178 Resp: 1134647
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.3 12.7 19.1



#72
 Carbazole
 Concen: 35.84 ng
 RT: 11.615 min Scan# 1654
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion:167 Resp: 1083493
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.1 27.1
 139 13.9 11.7 17.5





#73

Di-n-butylphthalate

Concen: 40.45 ng

RT: 12.068 min Scan# 17

Delta R.T. -0.047 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

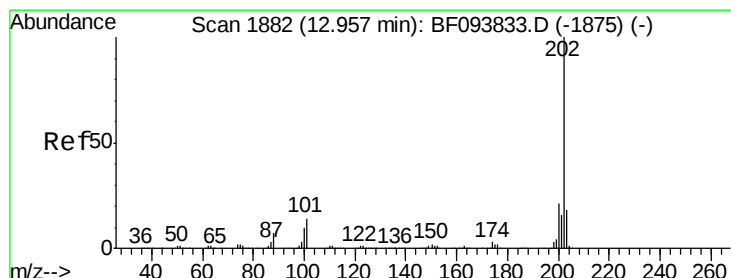
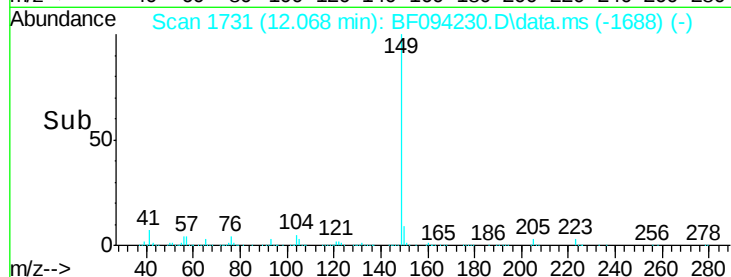
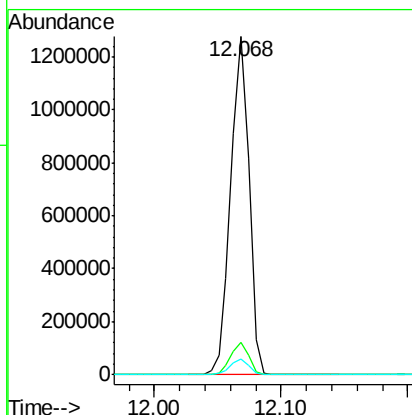
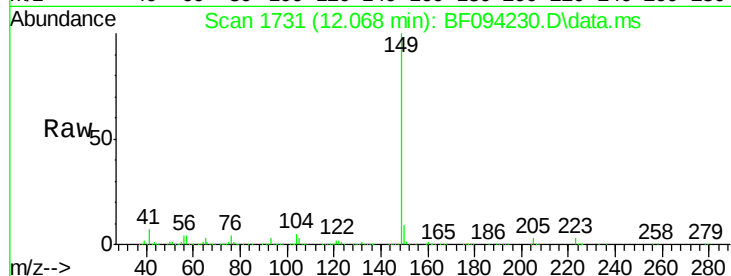
Tot Ion:149 Resp: 1271615

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

104 4.5 4.0 6.0



#74

Fluoranthene

Concen: 36.47 ng

RT: 12.815 min Scan# 1858

Delta R.T. -0.053 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

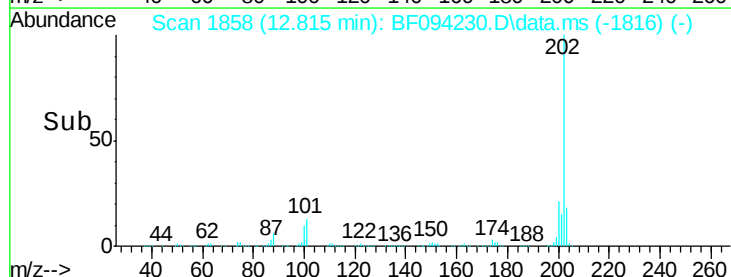
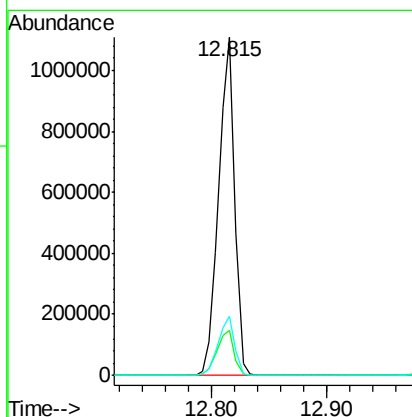
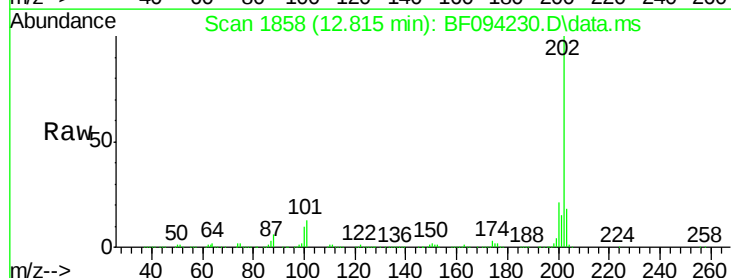
Tgt Ion:202 Resp: 1069214

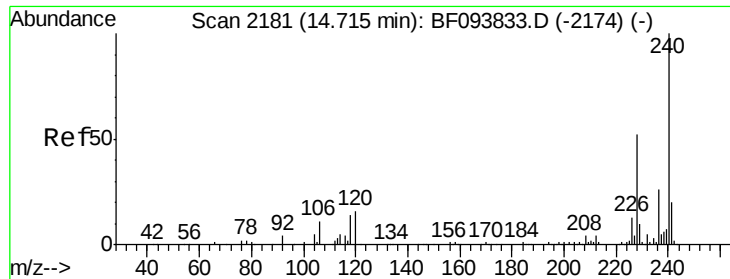
Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

203 17.6 0.0 38.1

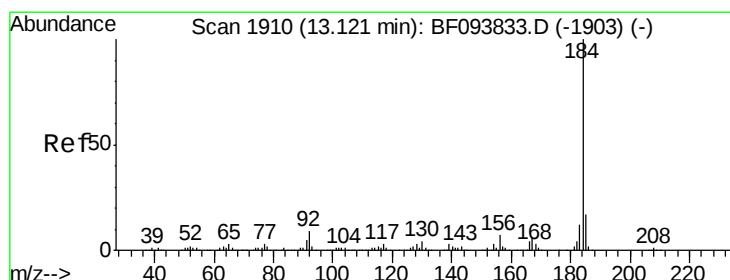
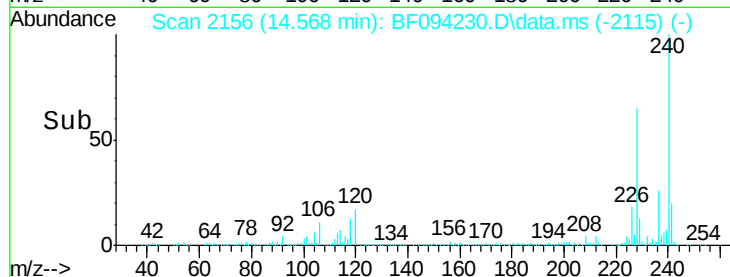
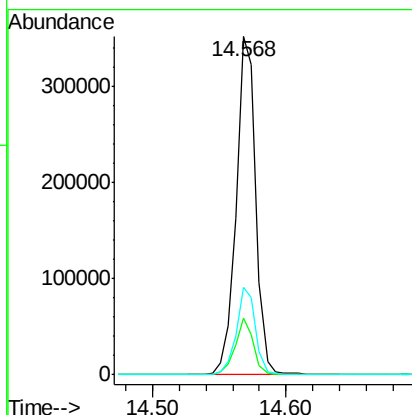
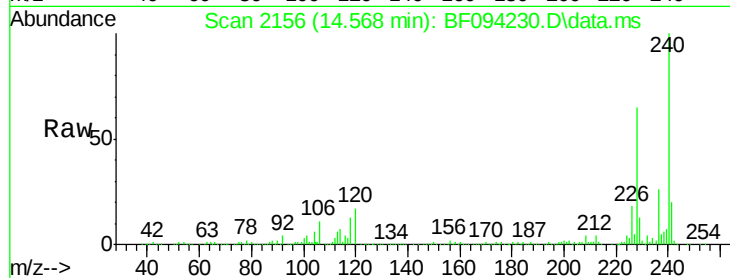




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.568 min Scan# 21
 Delta R.T. -0.059 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

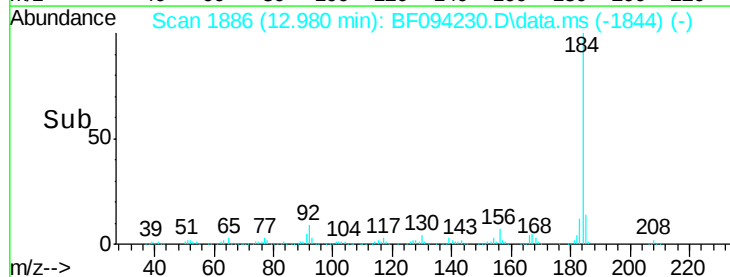
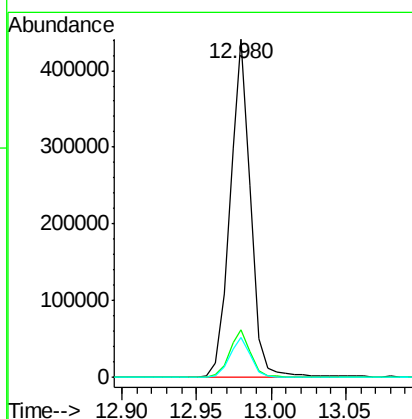
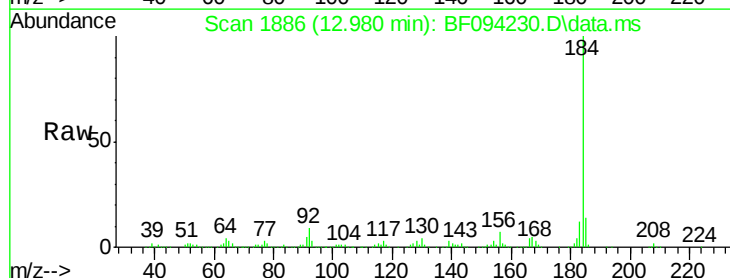
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

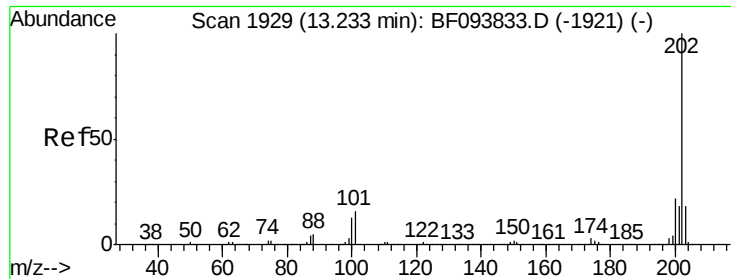
Tot Ion:240 Resp: 360473
 Ion Ratio Lower Upper
 240 100
 120 16.6 5.8 8.8#
 236 25.9 20.5 30.7



#76
 Benzidine
 Concen: 29.87 ng
 RT: 12.980 min Scan# 1886
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion:184 Resp: 426166
 Ion Ratio Lower Upper
 184 100
 185 14.1 15.5 23.3#
 183 12.0 9.8 14.6

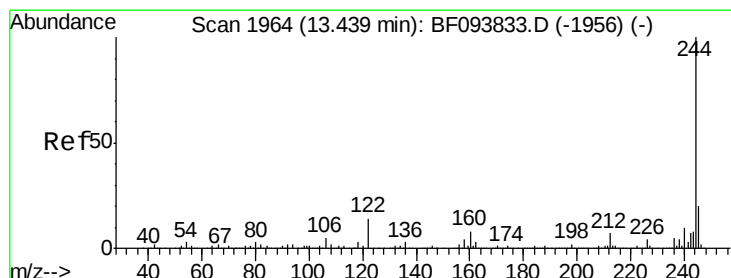
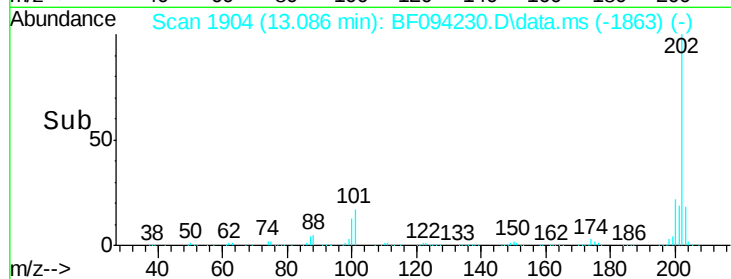
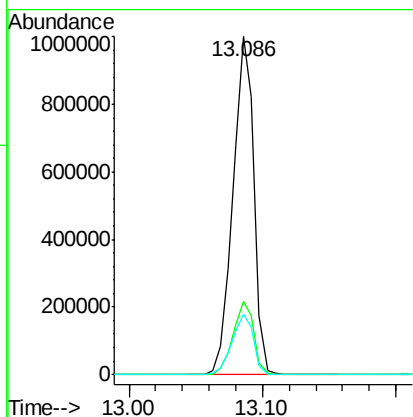
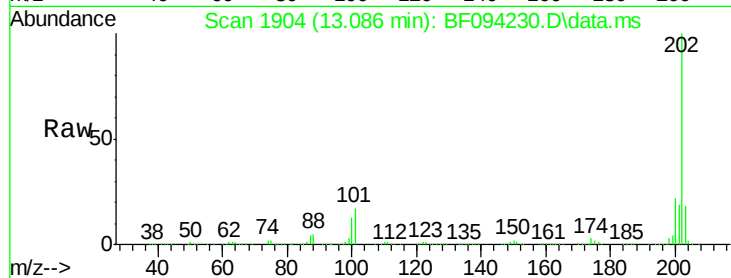




#77
Pvrene
Concen: 41.96 ng
RT: 13.086 min Scan# 19
Delta R.T. -0.059 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

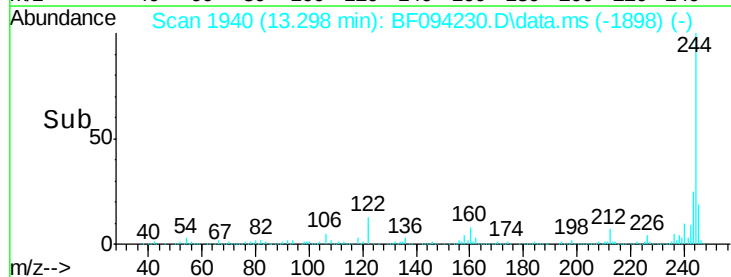
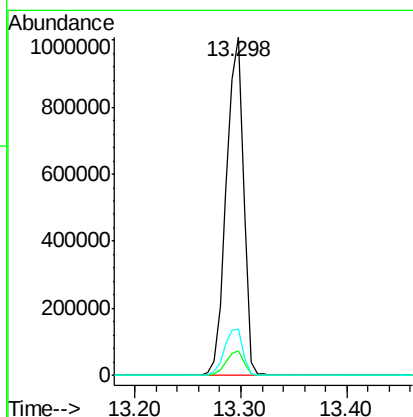
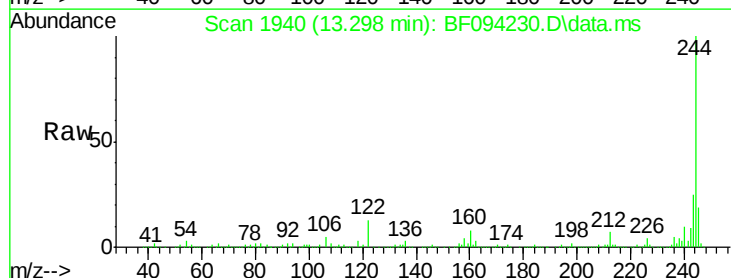
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

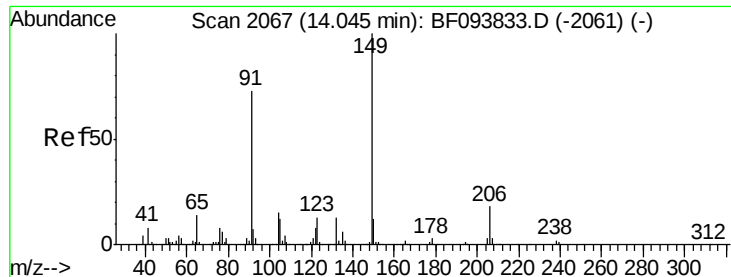
Tot Ion:202 Resp: 1097798
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 18.0 14.4 21.6



#78
Terphenyl-d14
Concen: 71.04 ng
RT: 13.298 min Scan# 1940
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion:244 Resp: 1142406
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 13.5 10.3 15.5

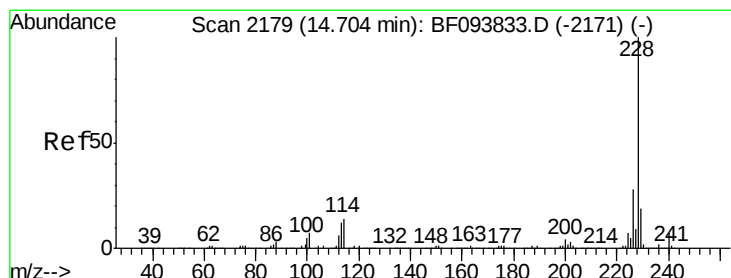
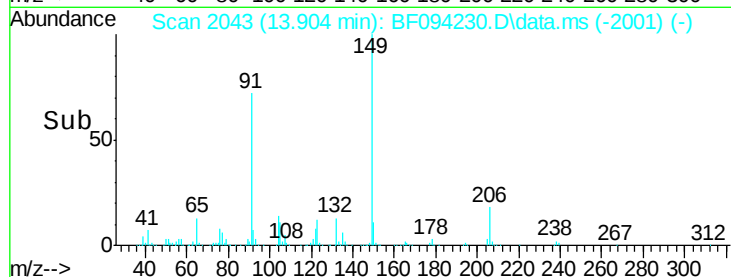
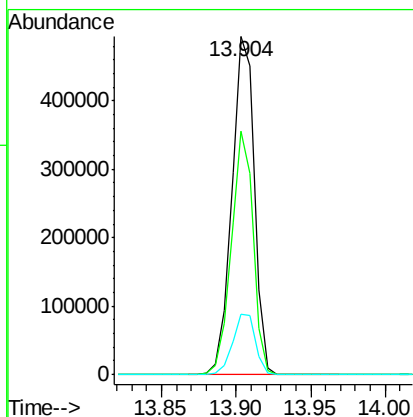
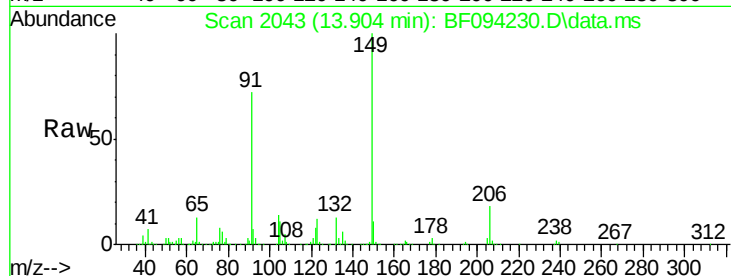




#79
Butylbenzylphthalate
Concen: 47.12 ng
RT: 13.904 min Scan# 2067
Delta R.T. -0.053 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

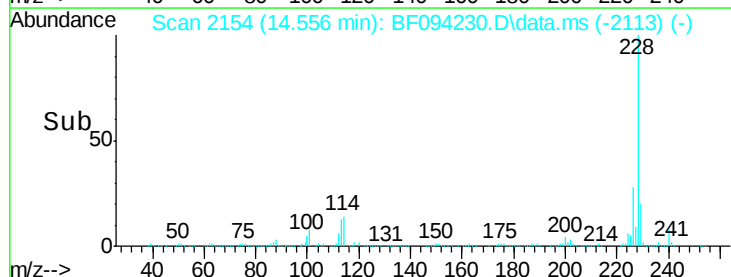
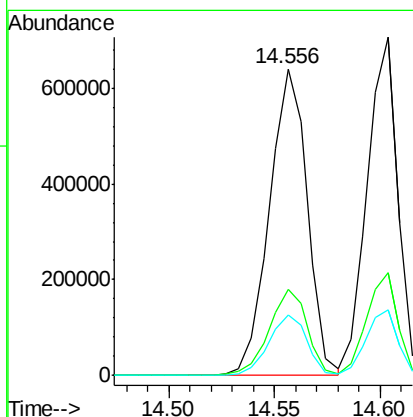
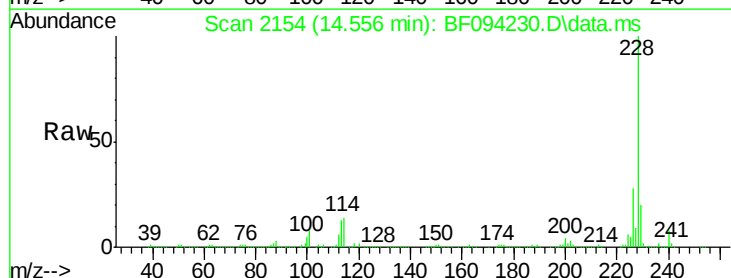
Instrument :
BNA_F
ClientSampleId :
B4-(0-5)MS

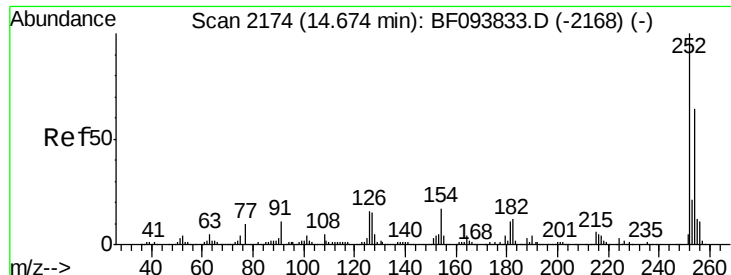
Tot Ion	Ratio	Lower	Upper
149	100		
91	72.2	45.0	67.4
206	17.8	17.0	25.6



#80
Benzo(a)anthracene
Concen: 37.97 ng
RT: 14.556 min Scan# 2154
Delta R.T. -0.059 min
Lab File: BF094230.D
Acq: 6 Apr 2017 16:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.7	16.3	24.5

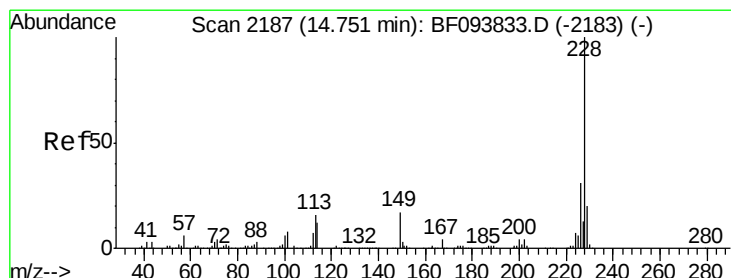
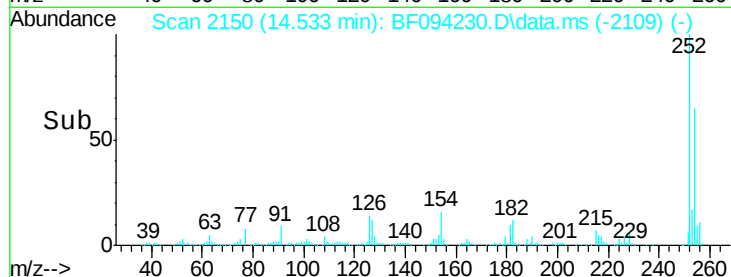
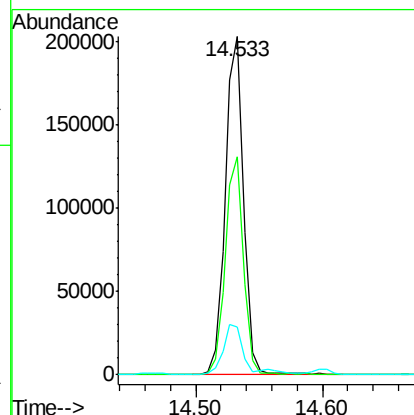
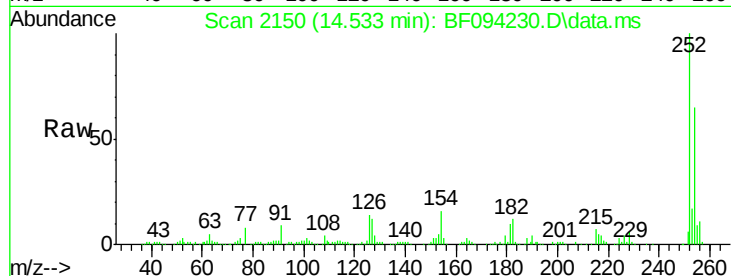




#81
 3,3'-Dichlorobenzidine
 Concen: 27.07 ng
 RT: 14.533 min Scan# 2174
 Delta R.T. -0.059 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

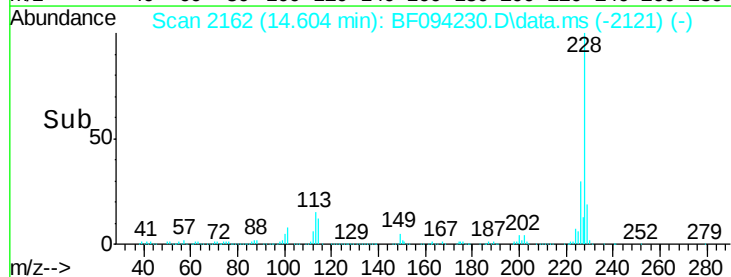
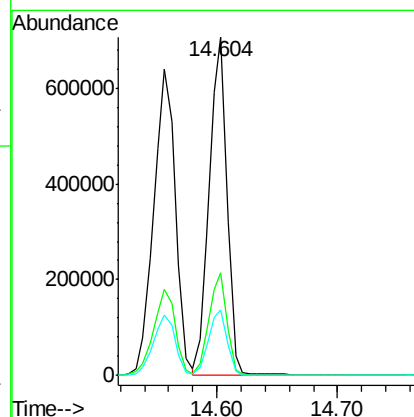
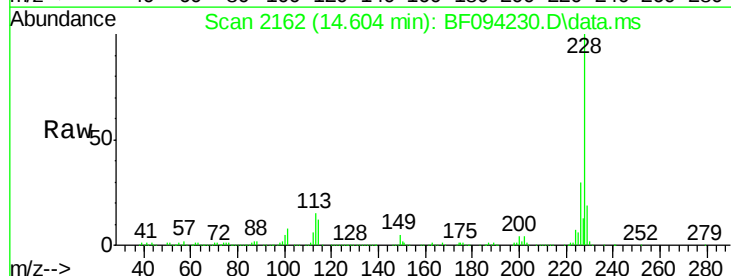
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

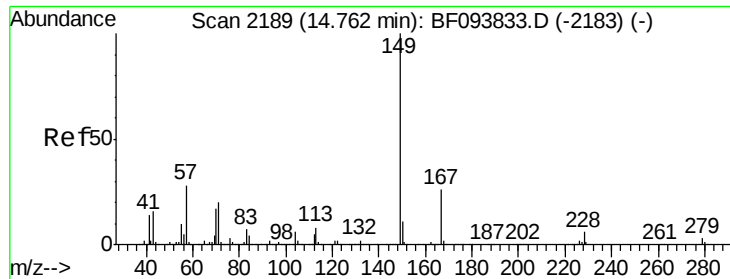
Tot Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.5	77.3
126	14.1	15.8	23.8



#82
 Chrysene
 Concen: 36.98 ng
 RT: 14.604 min Scan# 2162
 Delta R.T. -0.059 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	19.5	15.8	23.6

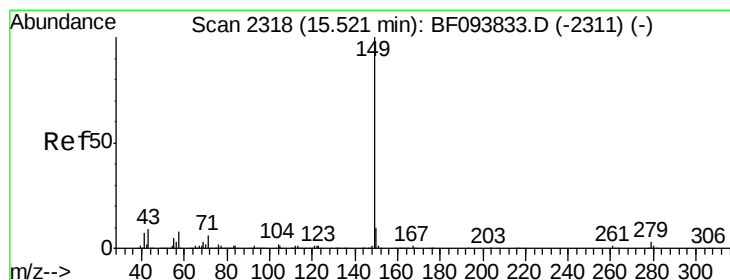
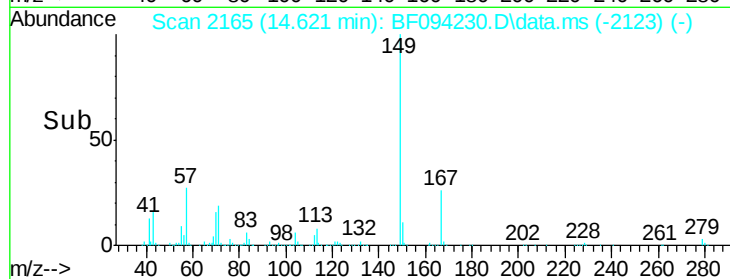
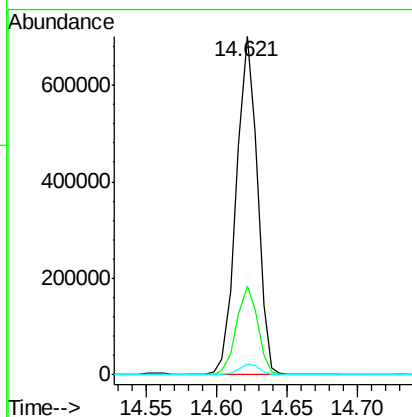
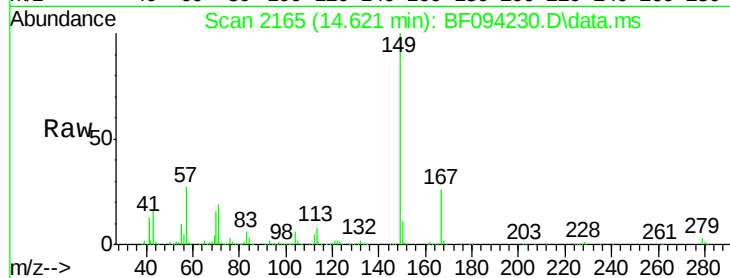




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.84 ng
 RT: 14.621 min Scan# 2189
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

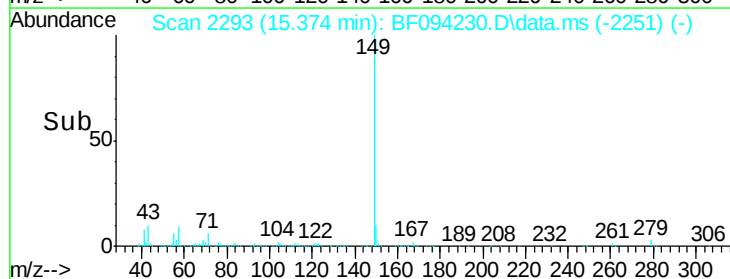
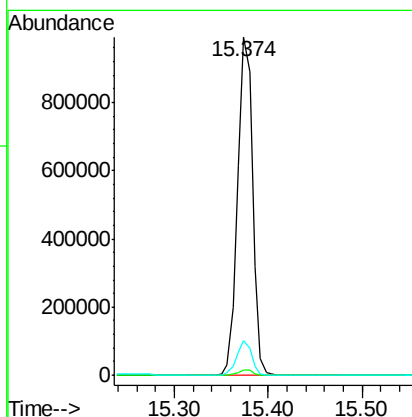
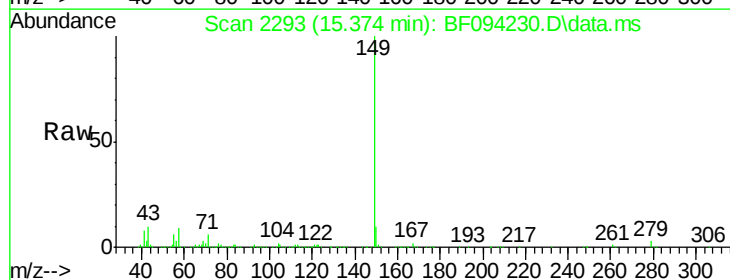
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

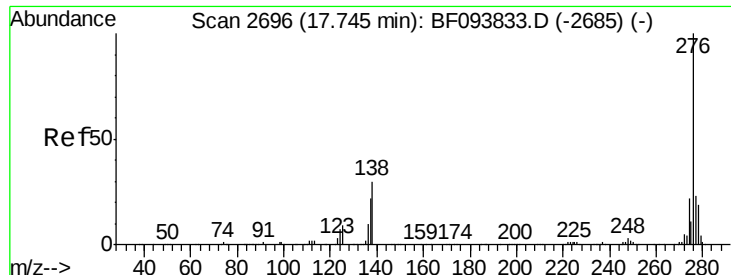
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	3.1	1.9	2.9



#84
 Di-n-octyl phthalate
 Concen: 43.40 ng
 RT: 15.374 min Scan# 2293
 Delta R.T. -0.053 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	9.8	8.5	12.7

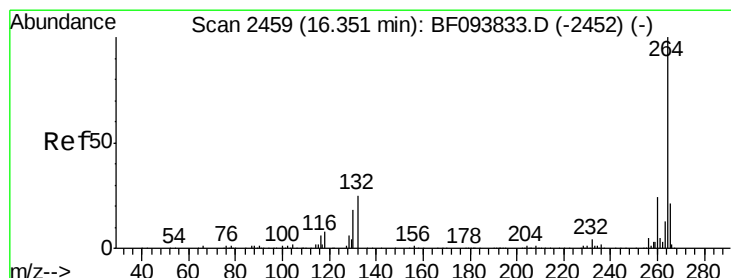
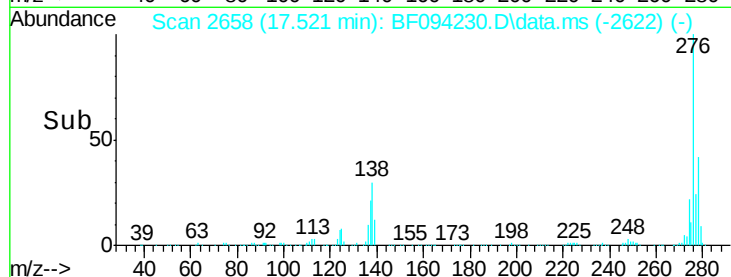
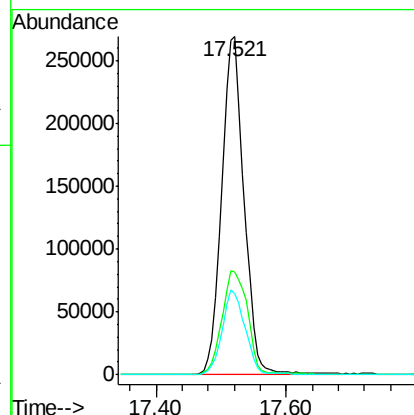
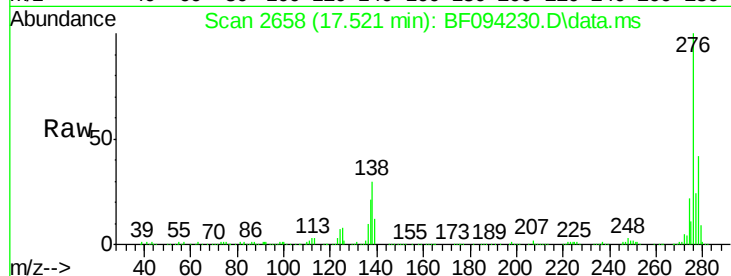




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 37.95 ng
 RT: 17.521 min Scan# 2696
 Delta R.T. -0.088 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

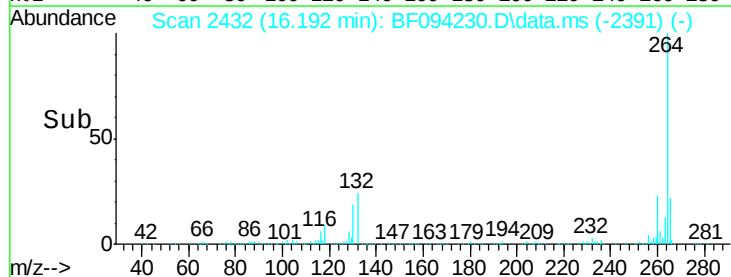
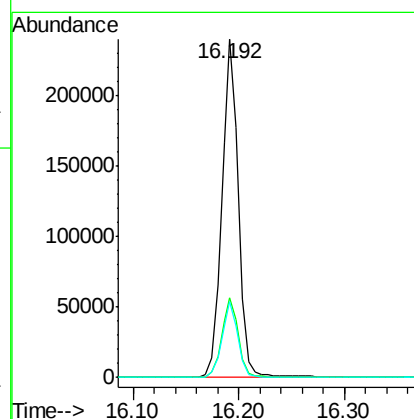
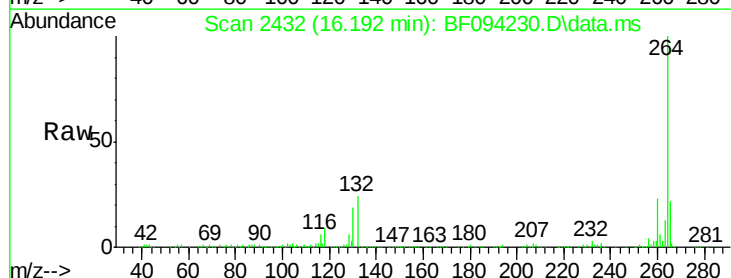
Instrument :
 BNA_F
 ClientSampleId :
 B4-(0-5)MS

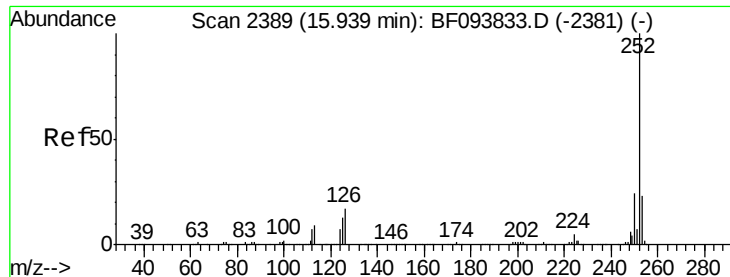
Tot Ion:276 Resp: 641159
 Ion Ratio Lower Upper
 276 100
 138 35.1 27.8 41.6
 277 25.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.192 min Scan# 2432
 Delta R.T. -0.059 min
 Lab File: BF094230.D
 Acq: 6 Apr 2017 16:07

Tgt Ion:264 Resp: 262961
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.5 29.3
 265 22.2 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 38.04 ng

RT: 15.792 min Scan# 23

Delta R.T. -0.059 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

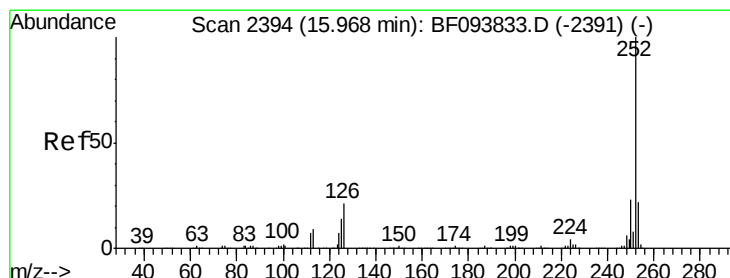
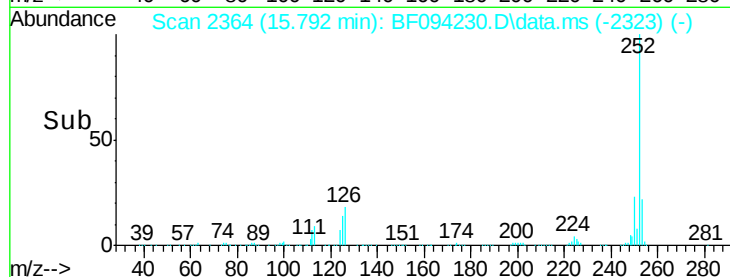
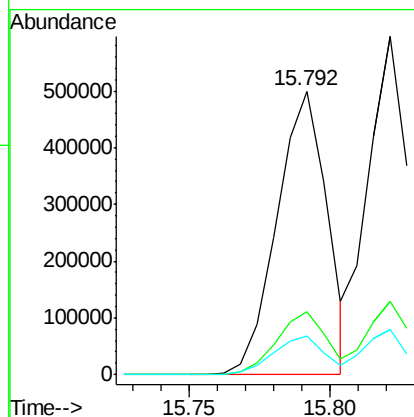
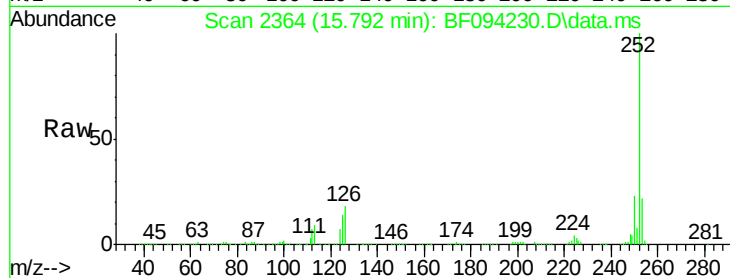
Tot Ion:252 Resp: 613111

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

125 13.5 9.8 14.8



#88

Benzo(k)fluoranthene

Concen: 37.97 ng

RT: 15.821 min Scan# 2369

Delta R.T. -0.059 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

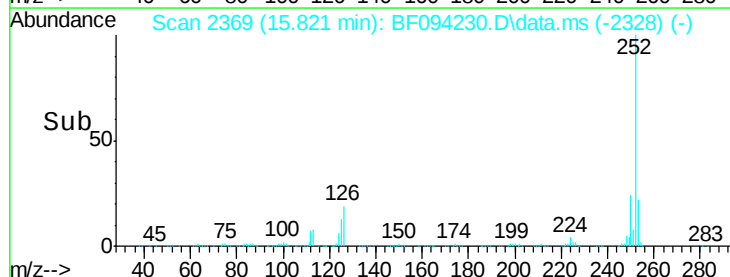
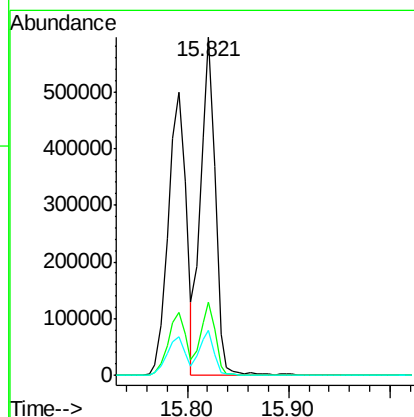
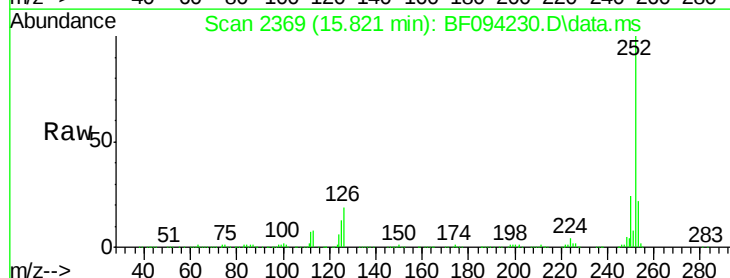
Tgt Ion:252 Resp: 598752

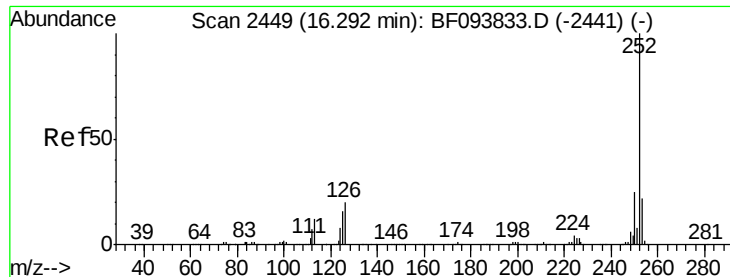
Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 13.4 13.1 19.7





#89

Benzo(a)pyrene

Concen: 37.80 ng

RT: 16.139 min Scan# 24

Delta R.T. -0.059 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

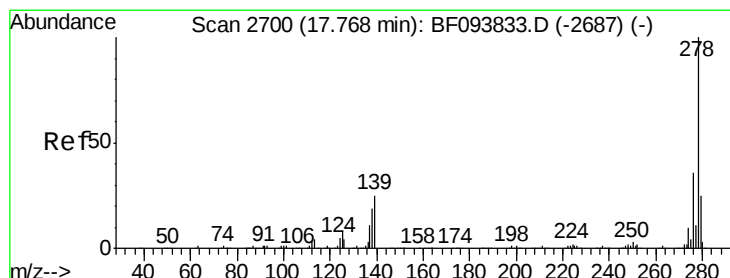
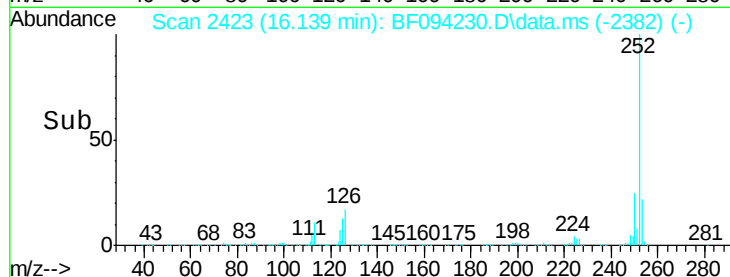
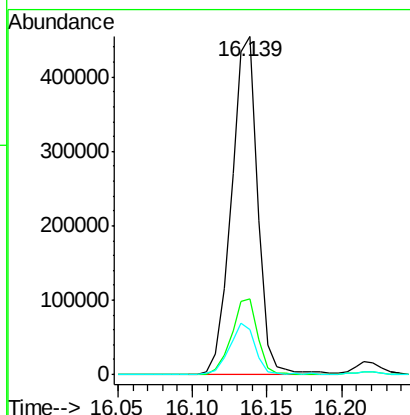
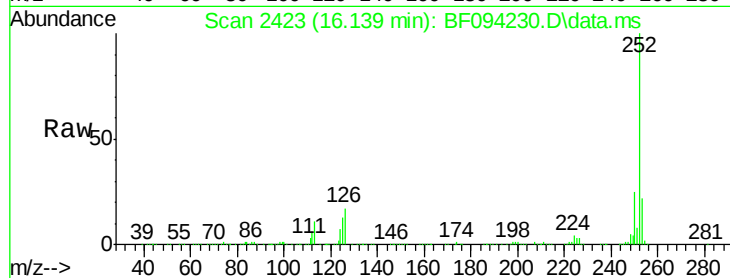
Tot Ion:252 Resp: 561042

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 13.5 11.0 16.4



#90

Dibenzo(a,h)anthracene

Concen: 41.67 ng

RT: 17.539 min Scan# 2661

Delta R.T. -0.094 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

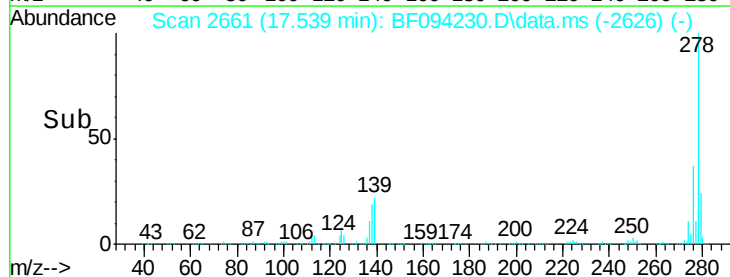
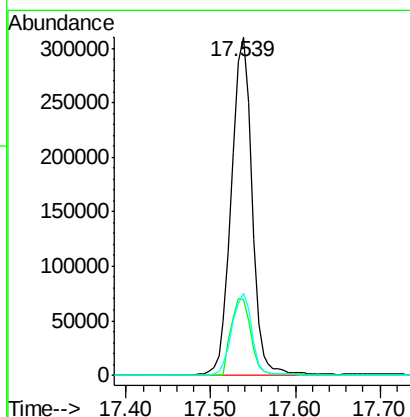
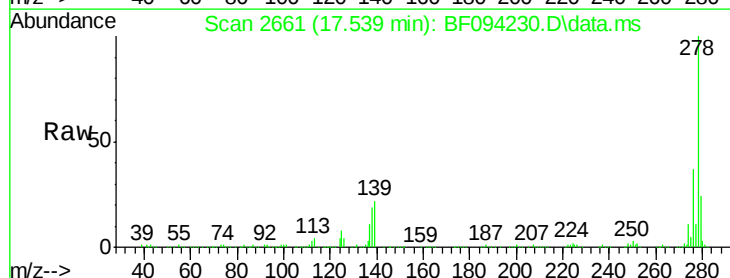
Tgt Ion:278 Resp: 523824

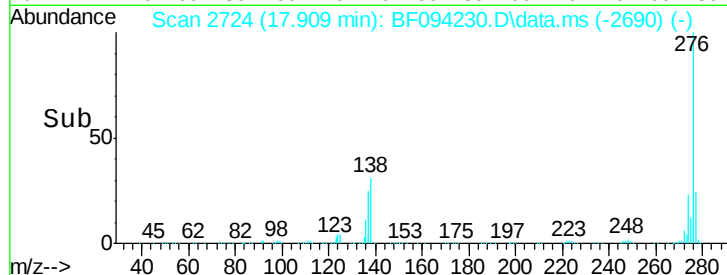
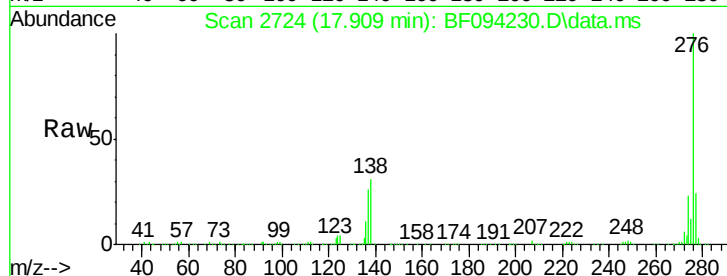
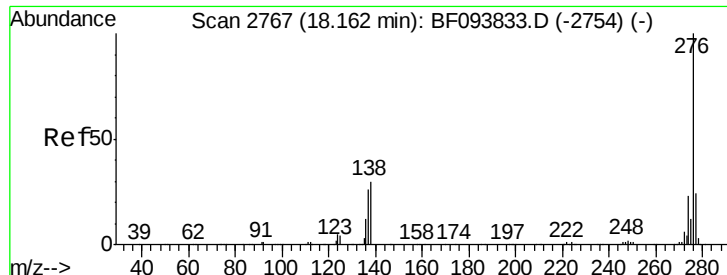
Ion Ratio Lower Upper

278 100

139 22.4 16.6 24.8

279 24.3 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 43.28 ng

RT: 17.909 min Scan# 27

Delta R.T. -0.100 min

Lab File: BF094230.D

Acq: 6 Apr 2017 16:07

Instrument :

BNA_F

ClientSampleId :

B4-(0-5)MS

Tot Ion:276 Resp: 548297

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 31.3 25.4 38.0

