

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092921\
 Data File : BF125706.D
 Acq On : 29 Sep 2021 11:43
 Operator : JU/CG
 Sample : M3960-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

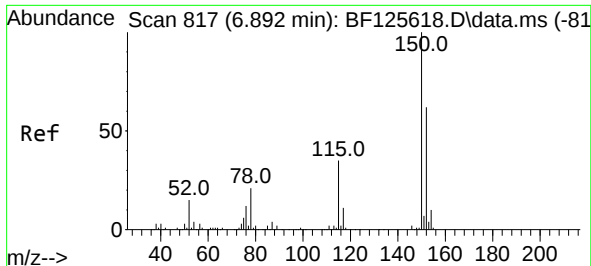
Instrument :
 BNA_F
 ClientSampleId :
 RAMB-MW08-GW

Quant Time: Sep 29 12:30:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 15:38:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	298394	20.000	ng	0.01
21) Naphthalene-d8	8.181	136	928656	20.000	ng	# 0.00
39) Acenaphthene-d10	9.927	164	597718	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1013445	20.000	ng	0.00
76) Chrysene-d12	14.039	240	641041	20.000	ng	0.00
86) Perylene-d12	15.515	264	512405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	165357	9.130	ng	0.06
7) Phenol-d6	6.534	99	658508	27.045	ng	0.02
23) Nitrobenzene-d5	7.463	82	1417242	106.447	ng	0.01
42) 2,4,6-Tribromophenol	10.716	330	791311	141.992	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	2842978	85.550	ng	0.00
79) Terphenyl-d14	12.998	244	2888632	78.036	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.451	77	1816218	198.737	ng	# 1
15) Benzyl Alcohol	6.981	79	867344	51.354	ng	# 13
18) Hexachloroethane	7.434	117	1086861	145.081	ng	# 1
20) 3+4-Methylphenols	7.292	107	137388	6.487	ng	# 1
22) Acetophenone	7.292	105	1853808	87.973	ng	# 56
24) Nitrobenzene	7.469	77	123365	9.109	ng	# 3
25) Isophorone	7.463	82	1403367	47.066	ng	# 59
26) 2-Nitrophenol	7.798	139	2443	6.037	ng	# 1
27) 2,4-Dimethylphenol	7.833	122	1111386	83.811	ng	97
28) bis(2-Chloroethoxy)met...	7.945	93	69300	4.121	ng	# 69
31) Naphthalene	8.216	128	11115756	233.121	ng	# 84
32) Benzoic acid	7.939	122	253229	30.002	ng	# 80
33) 4-Chloroaniline	8.216	127	2073128	103.651	ng	# 36
37) 2-Methylnaphthalene	8.892	142	3345416	103.446	ng	97
38) 1-Methylnaphthalene	8.992	142	1941022	63.509	ng	99
48) 2-Nitroaniline	9.445	65	26269	6.945	ng	# 36
51) 2,6-Dinitrotoluene	9.710	165	20696	6.424	ng	# 61
53) 3-Nitroaniline	9.875	138	1038	3.247	ng	# 1
54) 2,4-Dinitrophenol	9.969	184	878	4.765	ng	# 1
57) 2,4-Dinitrotoluene	10.098	165	4134	5.166	ng	# 1
62) 4-Nitroaniline	10.492	138	2048	2.110	ng	# 50
65) 4,6-Dinitro-2-methylph...	10.510	198	143	9.037	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	44074	4.144	ng	# 1
77) Benzidine	12.992	184	38722	2.299	ng	# 94

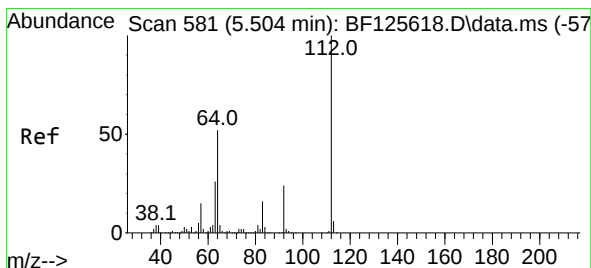
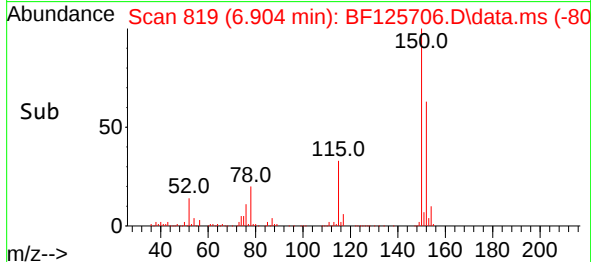
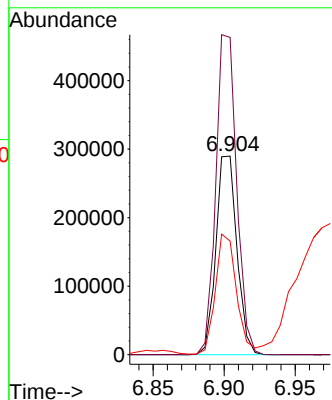
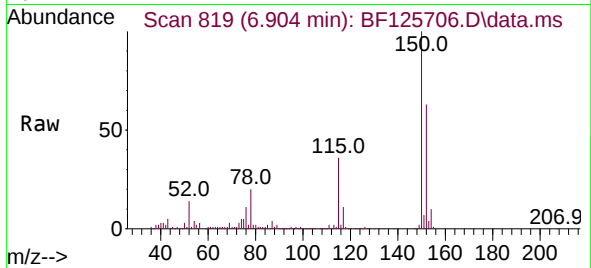
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.012 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

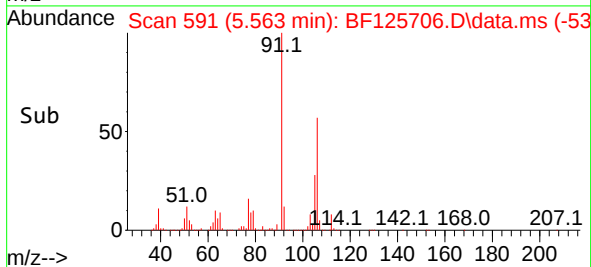
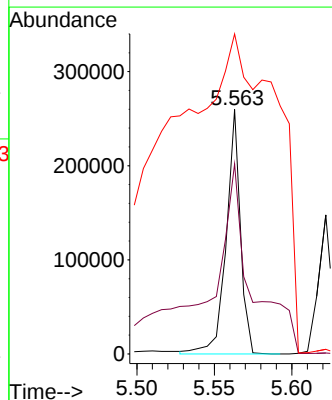
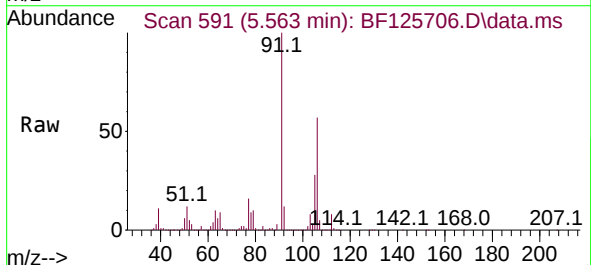
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

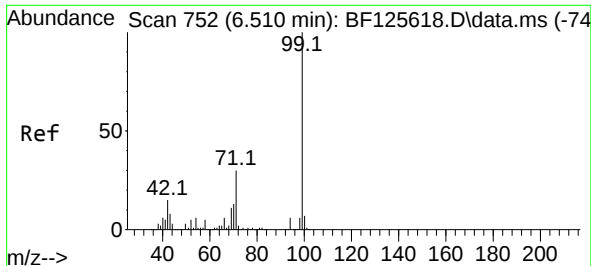
Tgt Ion:152 Resp: 298394
Ion Ratio Lower Upper
152 100
150 159.8 117.6 176.4
115 57.2 47.1 70.7



#5
2-Fluorophenol
Concen: 9.130 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.059 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:112 Resp: 165357
Ion Ratio Lower Upper
112 100
64 77.8 44.2 66.2#
63 130.9 26.2 39.2#

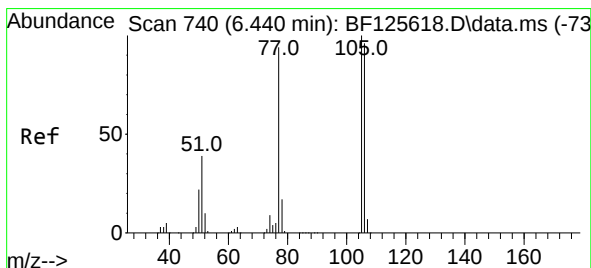
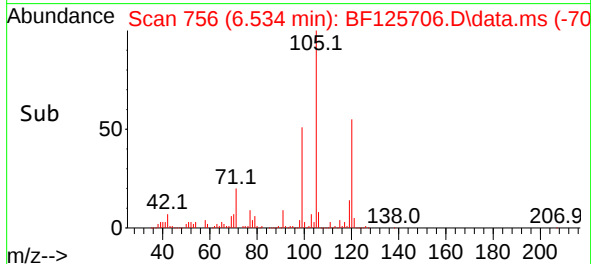
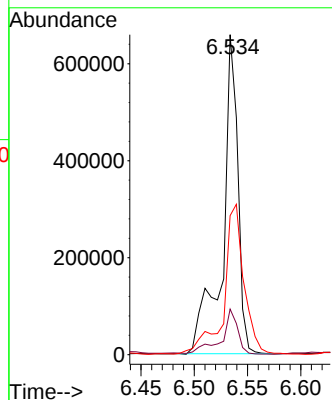
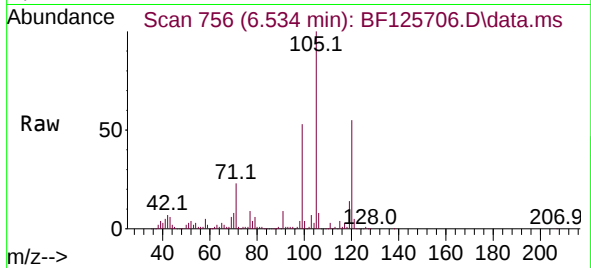




#7
Phenol-d6
Concen: 27.045 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.024 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

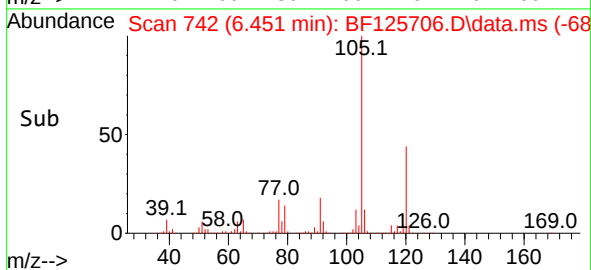
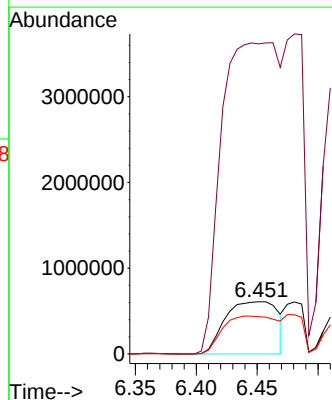
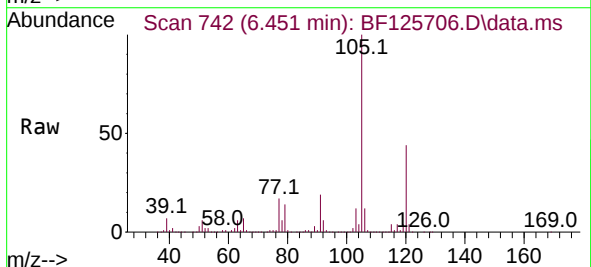
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

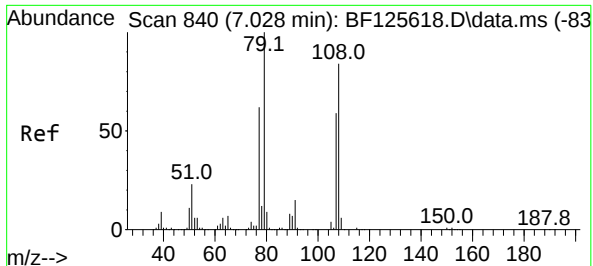
Tgt Ion: 99 Resp: 658508
Ion Ratio Lower Upper
99 100
42 14.3 23.5 35.3#
71 43.5 25.6 38.4#



#9
Benzaldehyde
Concen: 198.737 ng
RT: 6.451 min Scan# 742
Delta R.T. 0.011 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion: 77 Resp: 1816218
Ion Ratio Lower Upper
77 100
105 593.6 75.9 115.9#
106 71.4 84.0 124.0#





#15

Benzyl Alcohol

Concen: 51.354 ng

RT: 6.981 min Scan# 832

Delta R.T. -0.047 min

Lab File: BF125706.D

Acq: 29 Sep 2021 11:43

Tgt Ion: 79 Resp: 867344

Ion Ratio Lower Upper

79 100

108 0.1 60.4 90.6#

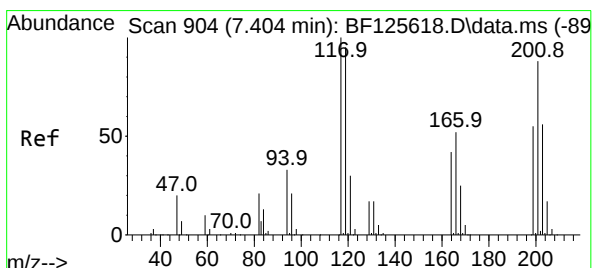
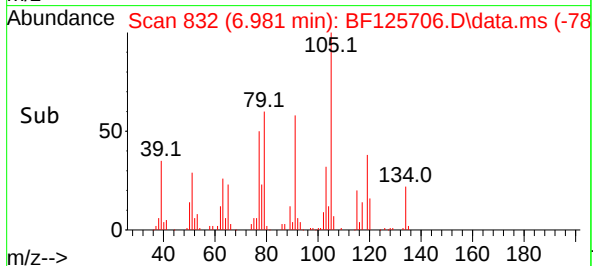
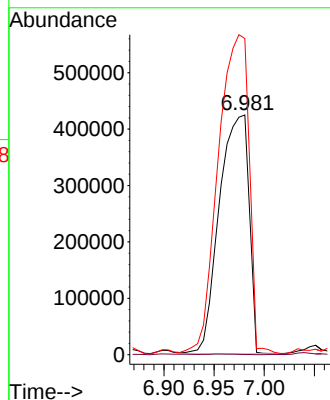
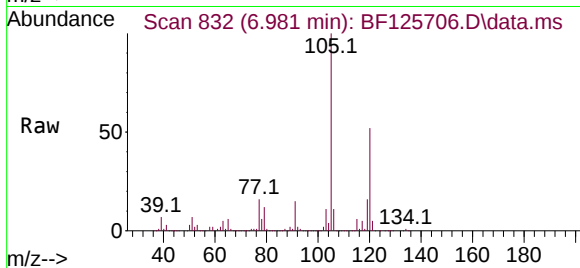
77 131.9 51.5 77.3#

Instrument :

BNA_F

ClientSampleId :

RAMB-MW08-GW



#18

Hexachloroethane

Concen: 145.081 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.030 min

Lab File: BF125706.D

Acq: 29 Sep 2021 11:43

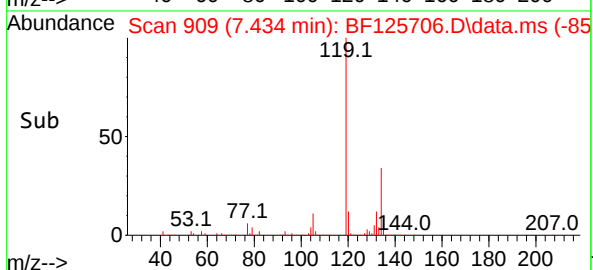
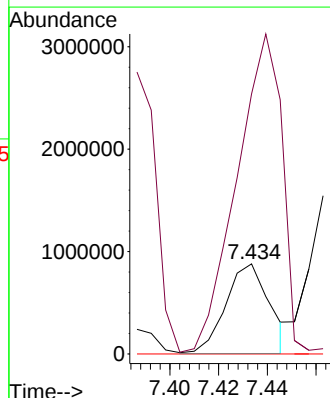
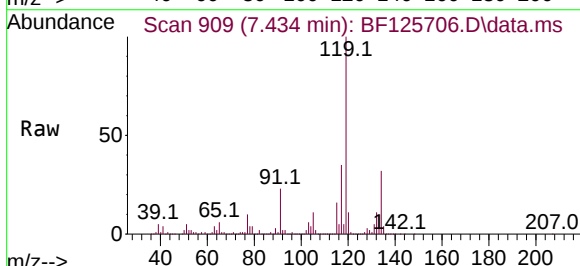
Tgt Ion: 117 Resp: 1086861

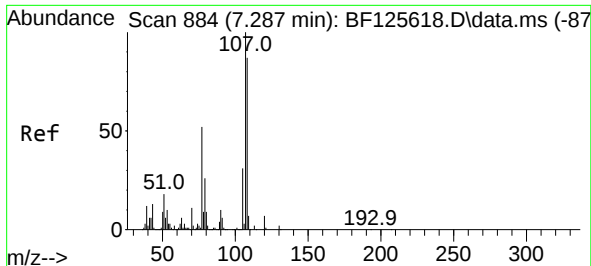
Ion Ratio Lower Upper

117 100

119 288.4 73.4 110.2#

201 0.0 64.9 97.3#

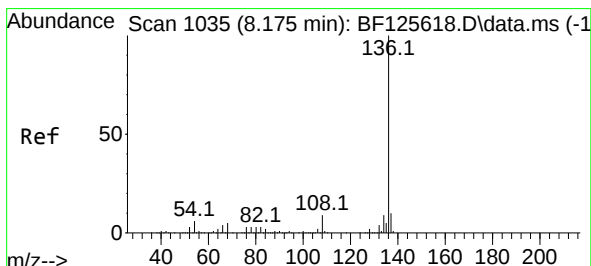
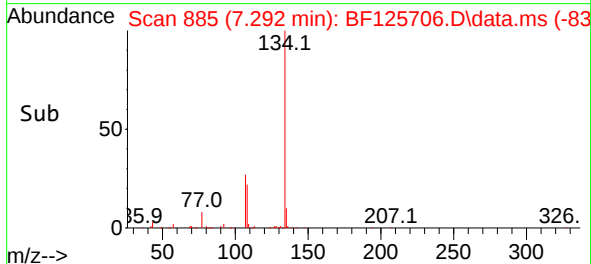
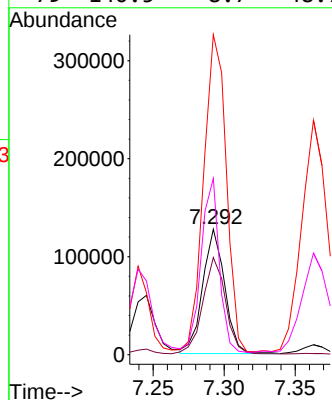
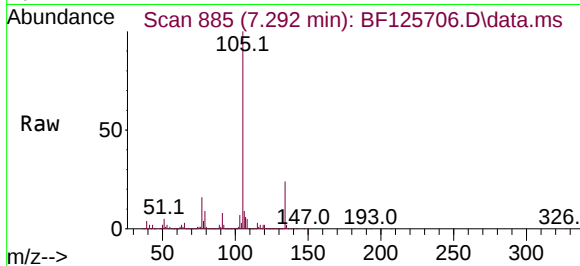




#20
3+4-Methylphenols
Concen: 6.487 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.005 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

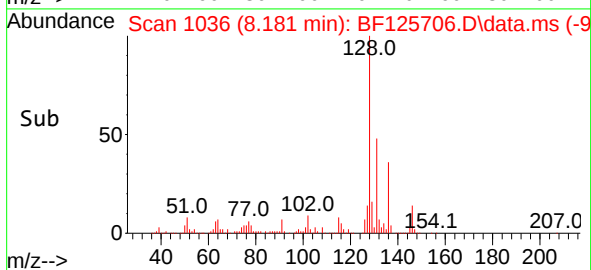
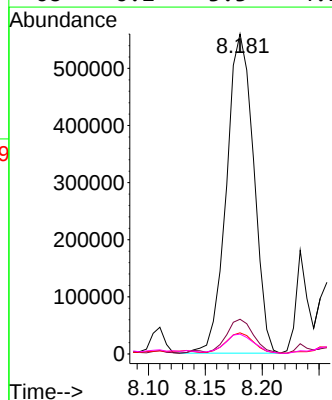
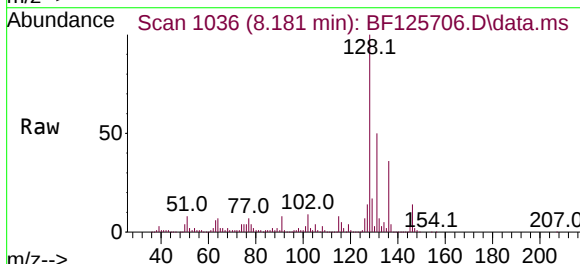
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

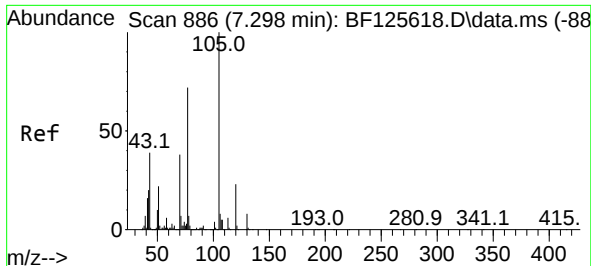
Tgt Ion:107	Resp: 137388
Ion Ratio	Lower Upper
107 100	
108 77.5	76.6 116.6
77 255.1	53.3 93.3#
79 140.5	8.7 48.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:136	Resp: 928656
Ion Ratio	Lower Upper
136 100	
137 10.9	9.8 14.6
54 6.6	6.4 9.6
68 6.2	3.3 4.9#

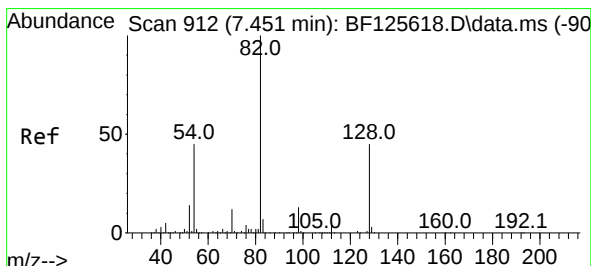
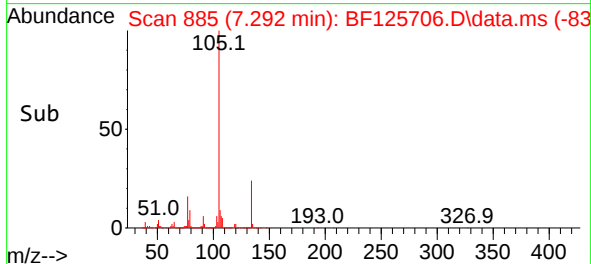
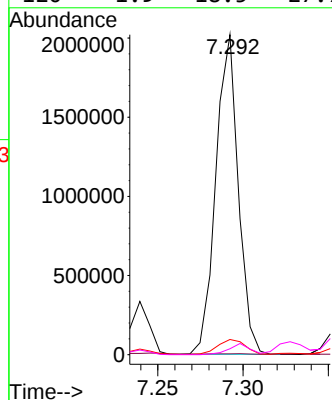
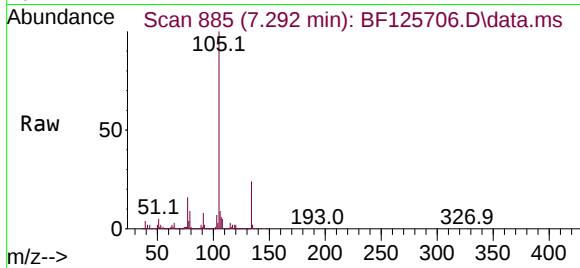




#22
Acetophenone
Concen: 87.973 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

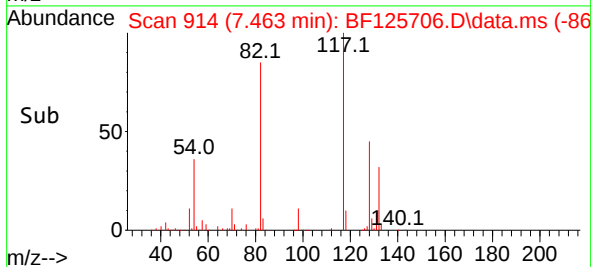
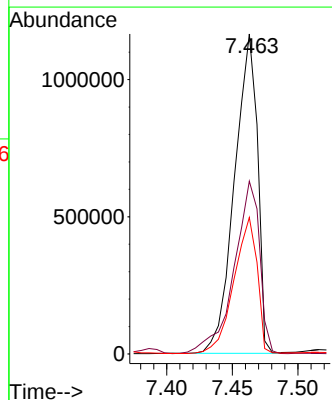
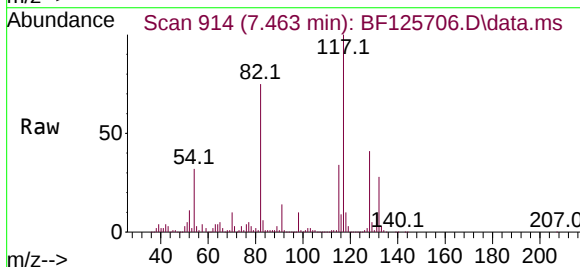
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

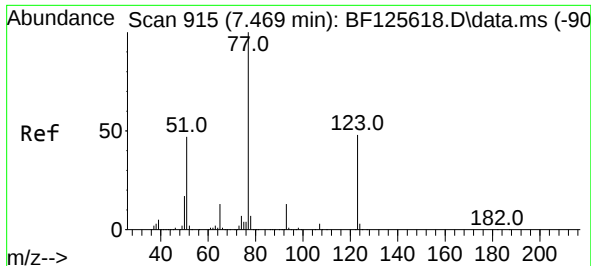
Tgt Ion:105 Resp: 1853808
Ion Ratio Lower Upper
105 100
71 0.3 5.5 8.3#
51 4.8 26.0 39.0#
120 1.9 18.5 27.7#



#23
Nitrobenzene-d5
Concen: 106.447 ng
RT: 7.463 min Scan# 914
Delta R.T. 0.012 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion: 82 Resp: 1417242
Ion Ratio Lower Upper
82 100
128 54.0 40.6 60.8
54 42.6 49.6 74.4#

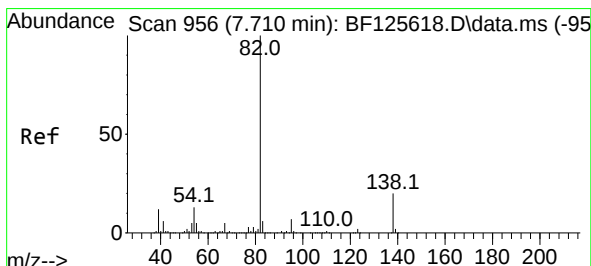
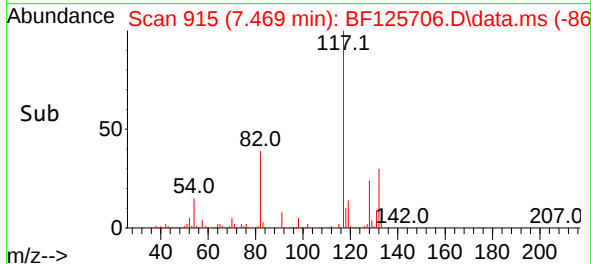
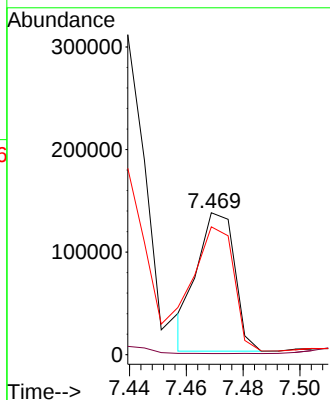
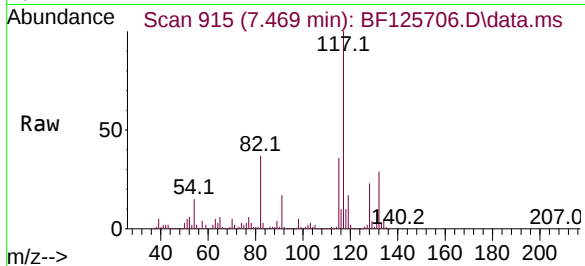




#24
Nitrobenzene
Concen: 9.109 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

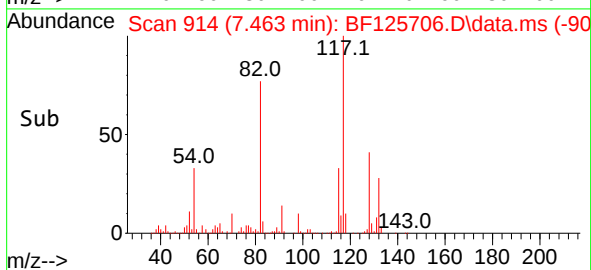
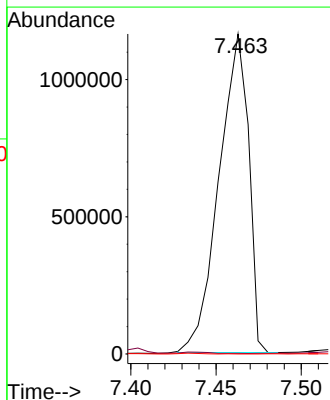
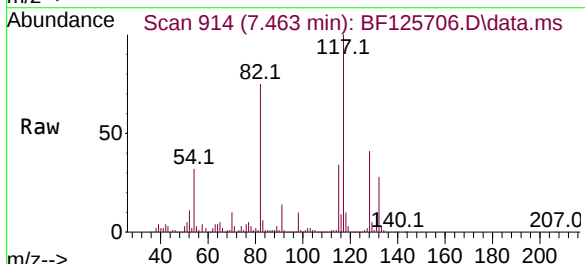
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

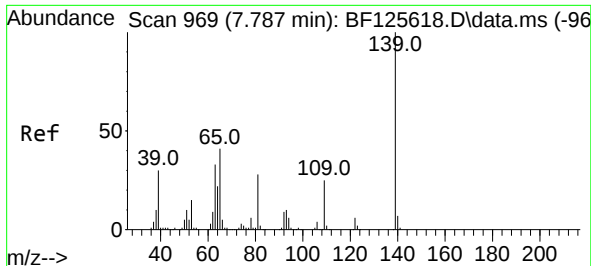
Tgt Ion: 77 Resp: 123365
Ion Ratio Lower Upper
77 100
123 0.8 42.3 63.5#
65 90.0 12.4 18.6#



#25
Isophorone
Concen: 47.066 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.247 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion: 82 Resp: 1403367
Ion Ratio Lower Upper
82 100
95 0.2 6.5 9.7#
138 0.0 18.4 27.6#

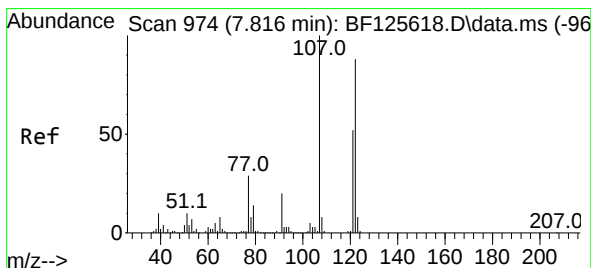
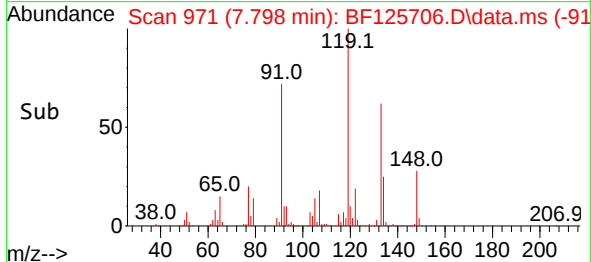
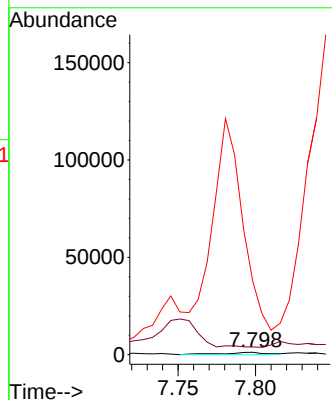
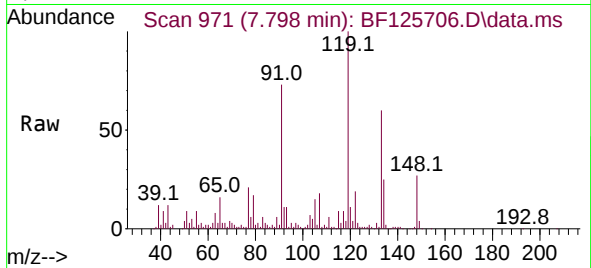




#26
2-Nitrophenol
Concen: 6.037 ng
RT: 7.798 min Scan# 971
Delta R.T. 0.011 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

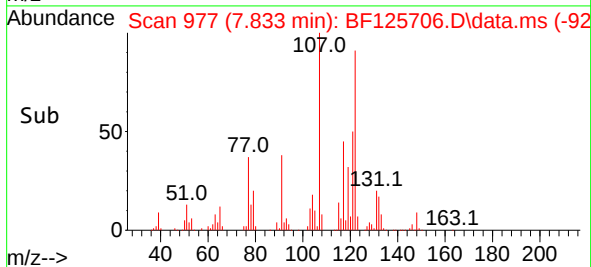
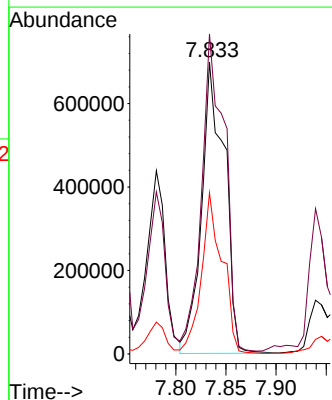
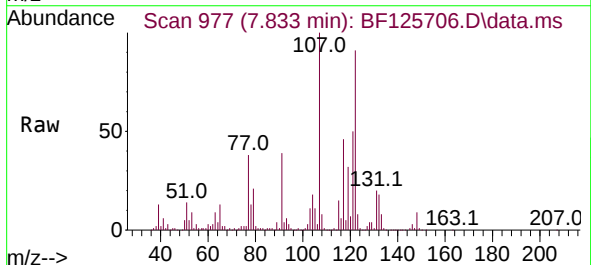
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

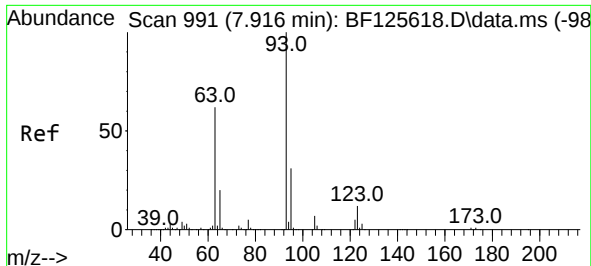
Tgt Ion:139 Resp: 2443
Ion Ratio Lower Upper
139 100
109 314.6 26.0 39.0#
65 2981.2 31.0 46.4#



#27
2,4-Dimethylphenol
Concen: 83.811 ng
RT: 7.833 min Scan# 977
Delta R.T. 0.017 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:122 Resp: 1111386
Ion Ratio Lower Upper
122 100
107 109.6 85.0 127.6
121 55.2 43.3 64.9

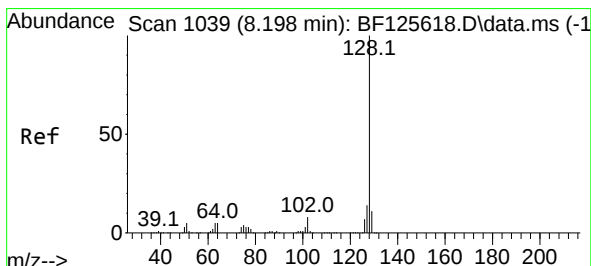
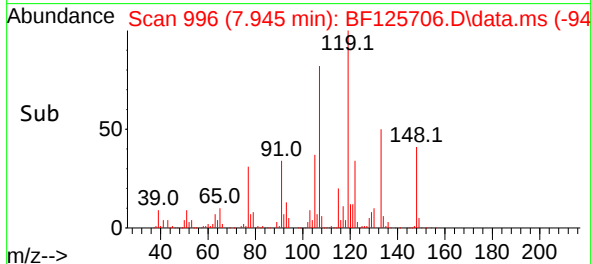
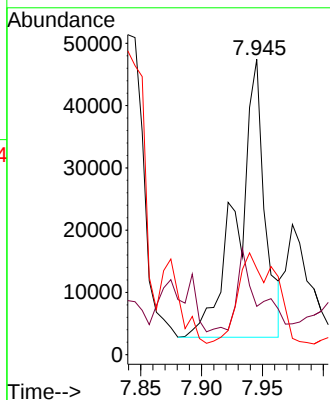
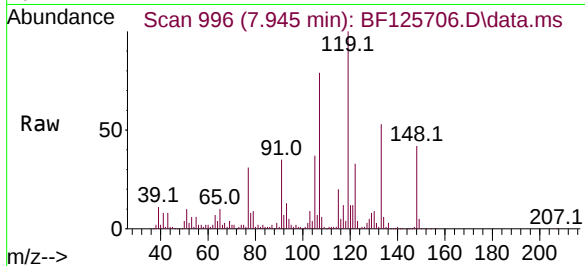




#28
bis(2-Chloroethoxy)methane
Concen: 4.121 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.029 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

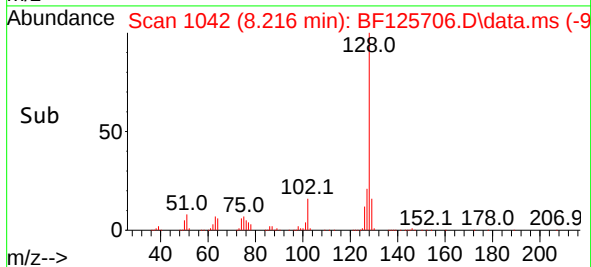
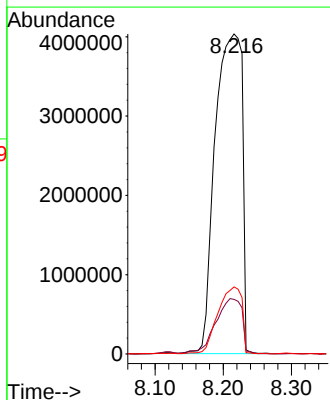
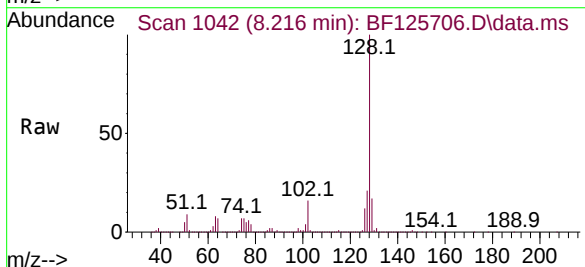
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

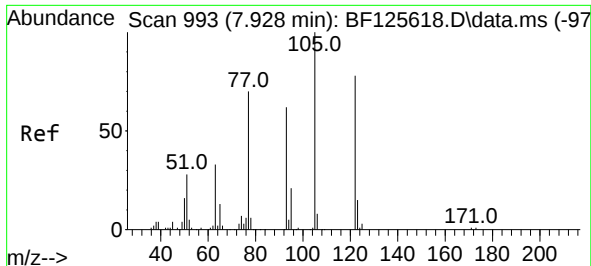
Tgt Ion: 93 Resp: 69300
Ion Ratio Lower Upper
93 100
95 16.3 26.1 39.1#
123 29.2 11.7 17.5#



#31
Naphthalene
Concen: 233.121 ng
RT: 8.216 min Scan# 1042
Delta R.T. 0.018 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion: 128 Resp: 11115756
Ion Ratio Lower Upper
128 100
129 17.0 9.4 14.0#
127 20.9 10.9 16.3#

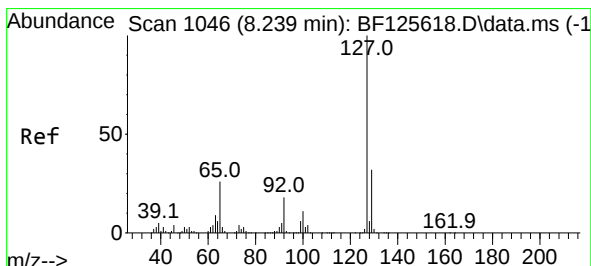
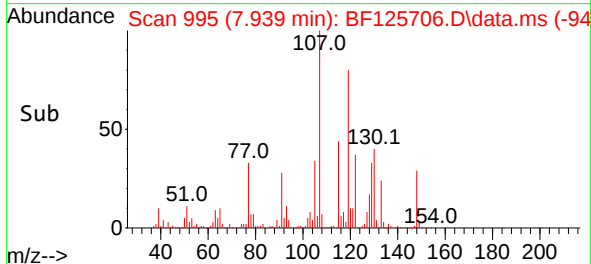
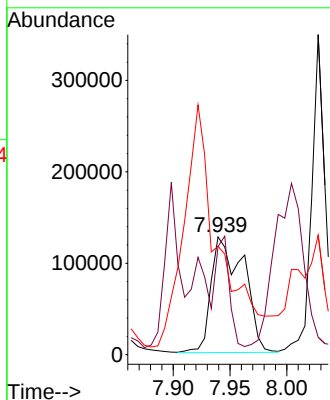
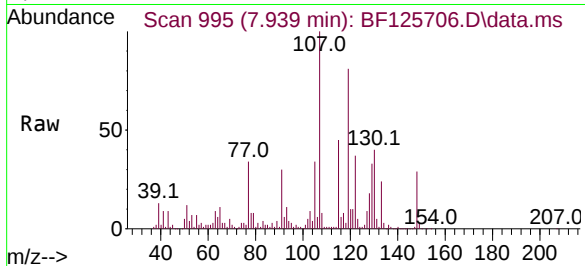




#32
Benzoic acid
Concen: 30.002 ng
RT: 7.939 min Scan# 995
Delta R.T. 0.011 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

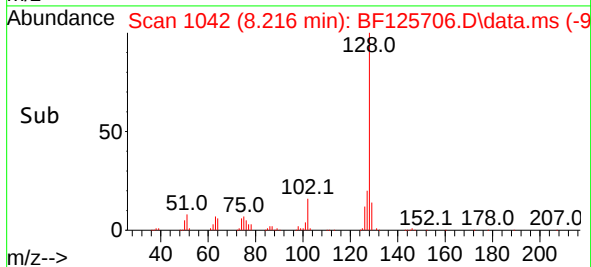
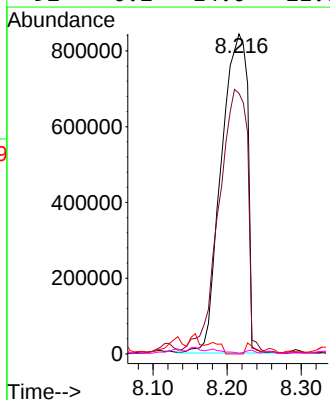
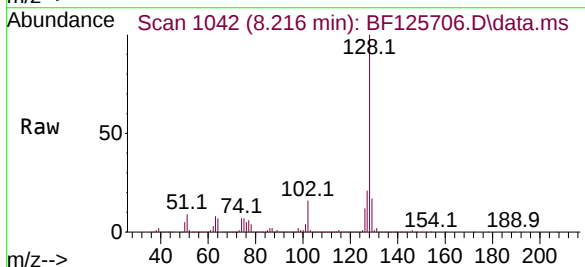
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

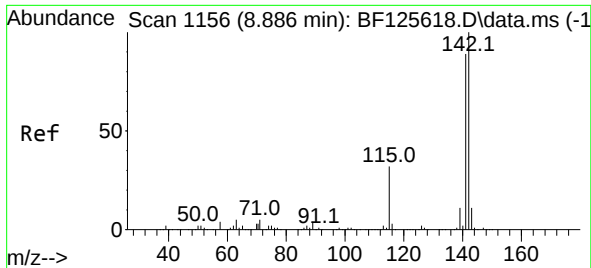
Tgt Ion:122 Resp: 253229
Ion Ratio Lower Upper
122 100
105 91.9 97.6 137.6#
77 92.1 59.6 99.6



#33
4-Chloroaniline
Concen: 103.651 ng
RT: 8.216 min Scan# 1042
Delta R.T. -0.023 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:127 Resp: 2073128
Ion Ratio Lower Upper
127 100
129 81.5 25.7 38.5#
65 0.0 21.2 31.8#
92 0.2 14.0 21.0#

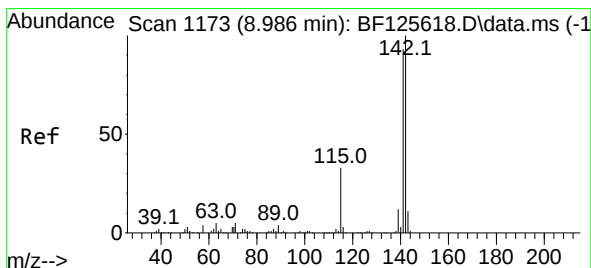
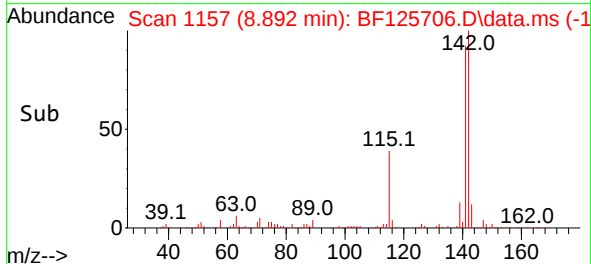
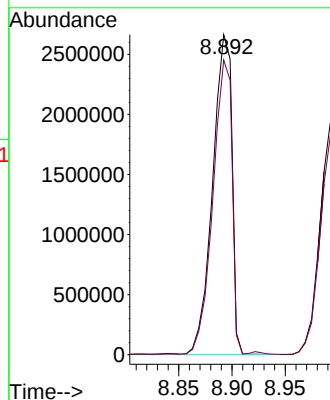
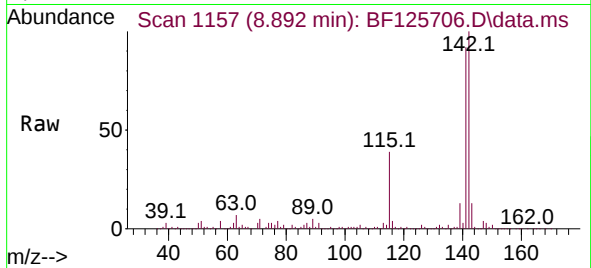




#37
2-Methylnaphthalene
Concen: 103.446 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

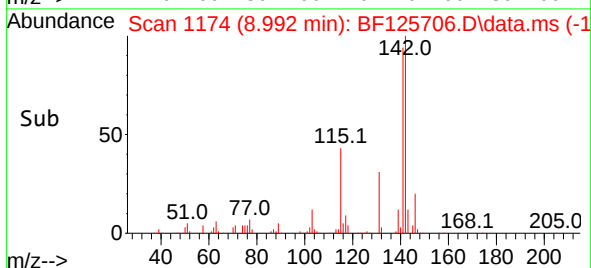
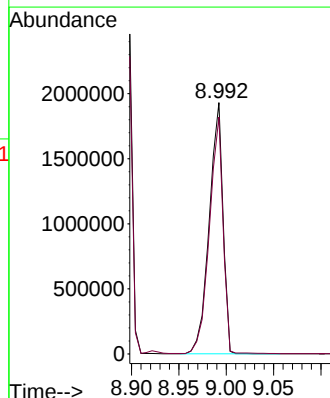
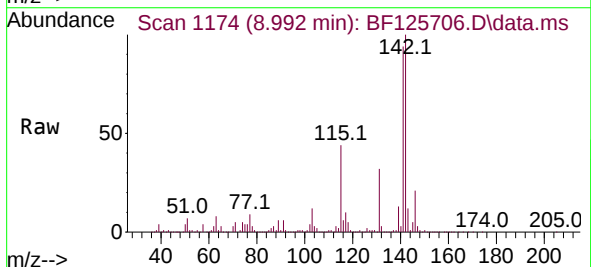
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

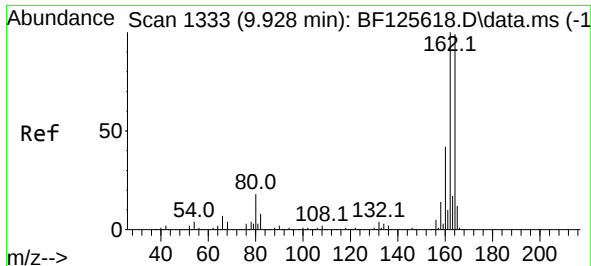
Tgt Ion:142 Resp: 3345416
Ion Ratio Lower Upper
142 100
141 92.1 71.2 106.8



#38
1-Methylnaphthalene
Concen: 63.509 ng
RT: 8.992 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:142 Resp: 1941022
Ion Ratio Lower Upper
142 100
141 94.2 76.0 114.0

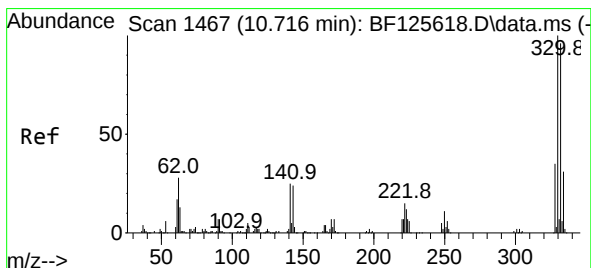
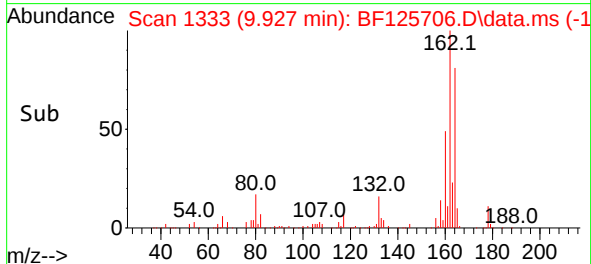
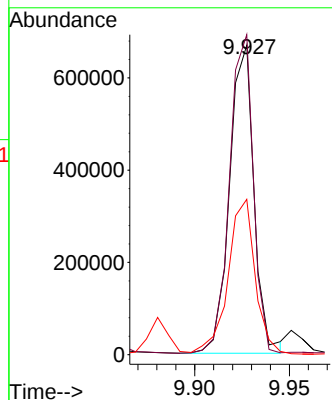
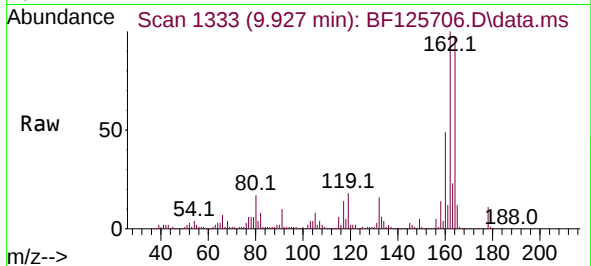




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

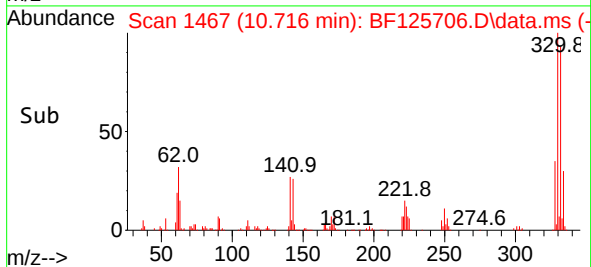
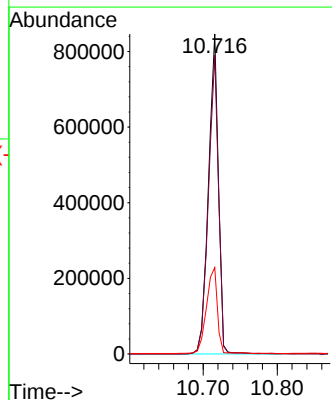
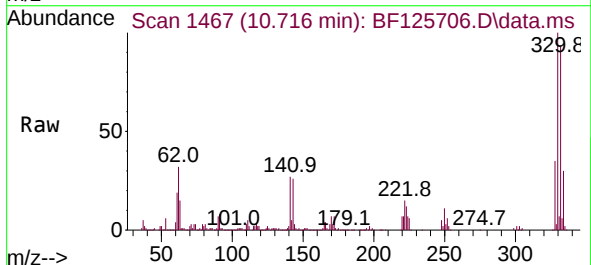
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

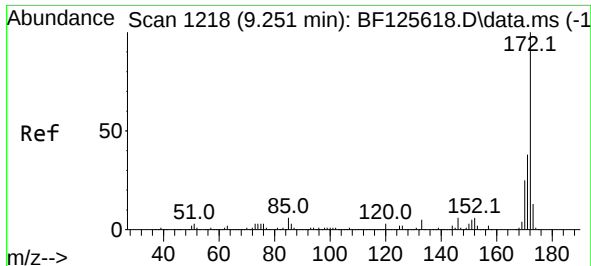
Tgt Ion:164 Resp: 597718
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 50.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 141.992 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:330 Resp: 791311
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 29.2 44.6 66.8#

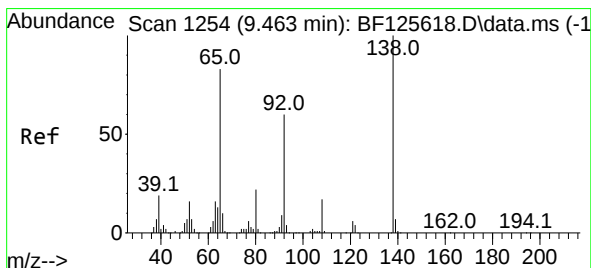
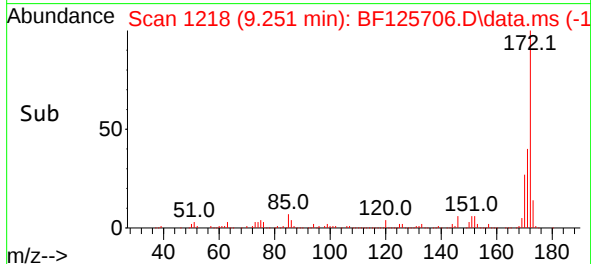
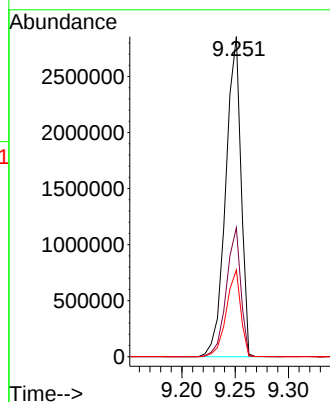
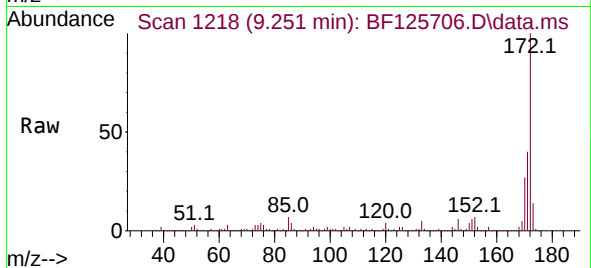




#45
2-Fluorobiphenyl
Concen: 85.550 ng
RT: 9.251 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

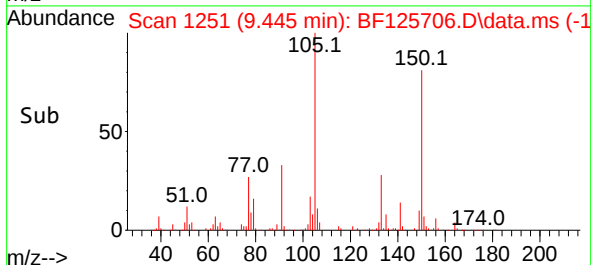
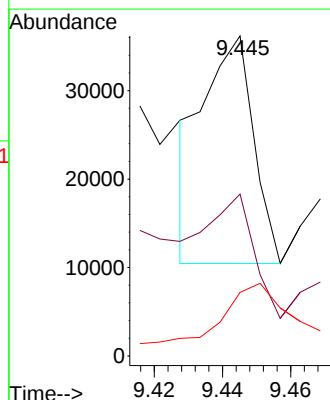
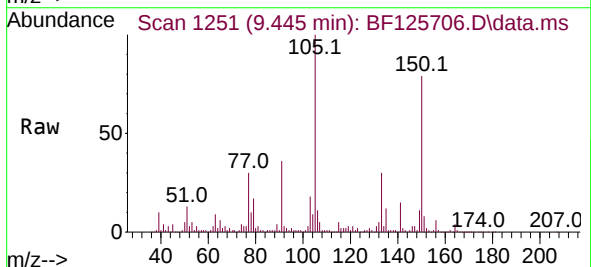
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

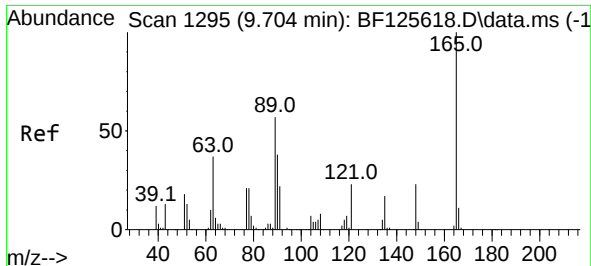
Tgt Ion:172 Resp: 2842978
Ion Ratio Lower Upper
172 100
171 40.3 26.5 39.7#
170 27.1 18.8 28.2



#48
2-Nitroaniline
Concen: 6.945 ng
RT: 9.445 min Scan# 1251
Delta R.T. -0.018 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion: 65 Resp: 26269
Ion Ratio Lower Upper
65 100
92 50.6 55.5 83.3#
138 19.9 93.5 140.3#

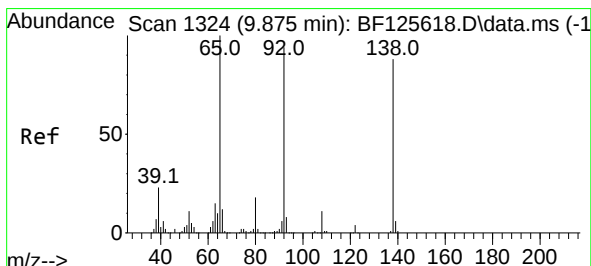
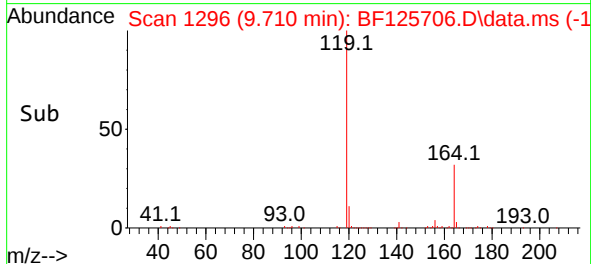
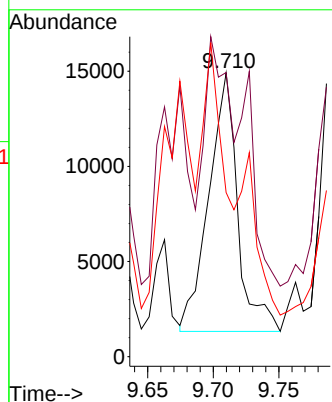
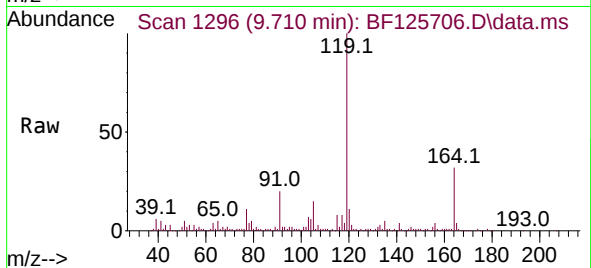




#51
2,6-Dinitrotoluene
Concen: 6.424 ng
RT: 9.710 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

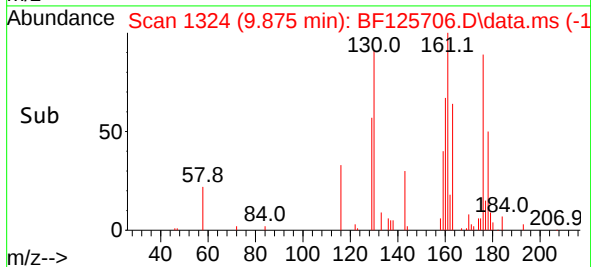
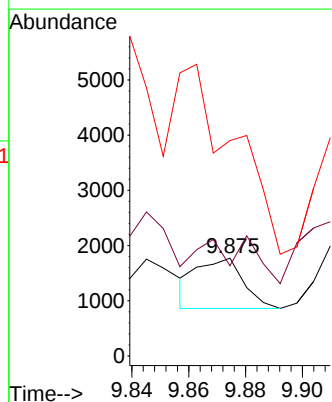
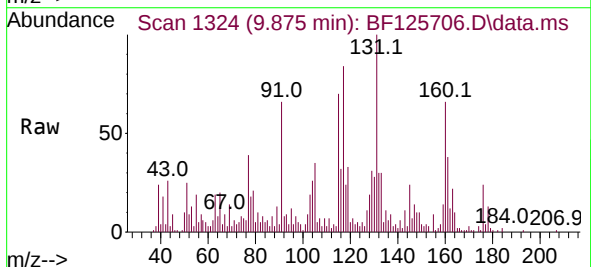
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

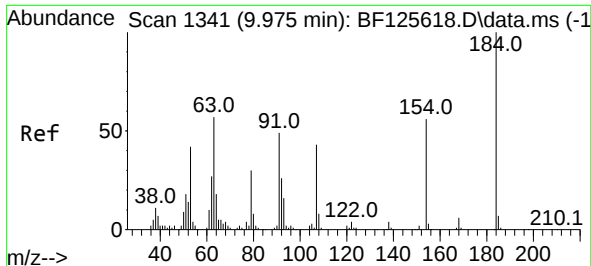
Tgt Ion:165 Resp: 20696
Ion Ratio Lower Upper
165 100
63 100.2 42.6 63.8#
89 57.9 40.6 60.8



#53
3-Nitroaniline
Concen: 3.247 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:138 Resp: 1038
Ion Ratio Lower Upper
138 100
108 92.3 9.3 13.9#
92 220.3 76.5 114.7#

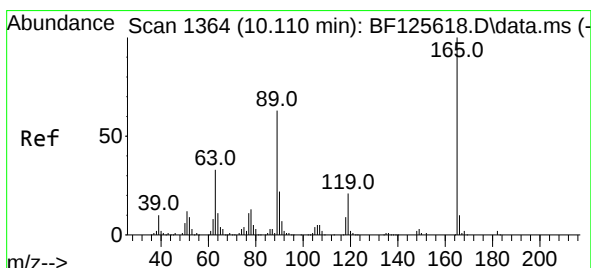
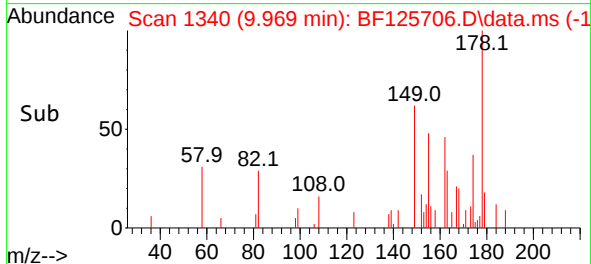
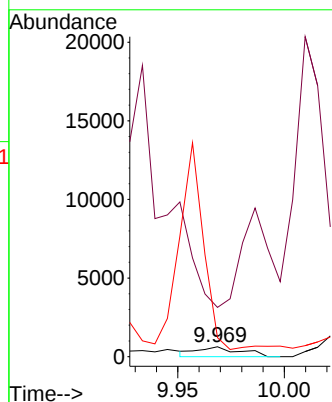
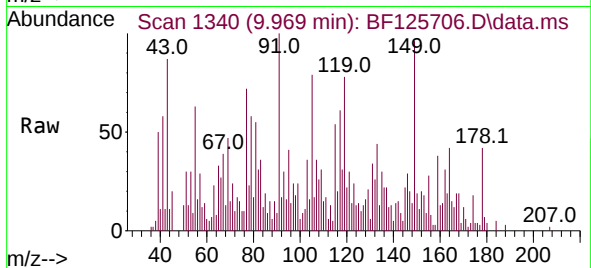




#54
2,4-Dinitrophenol
Concen: 4.765 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

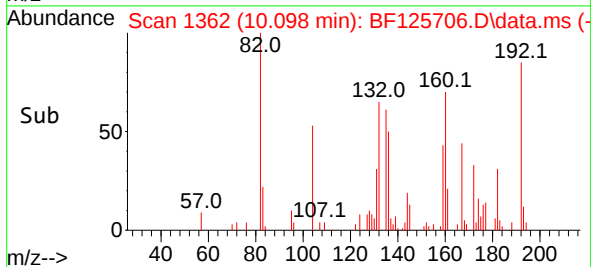
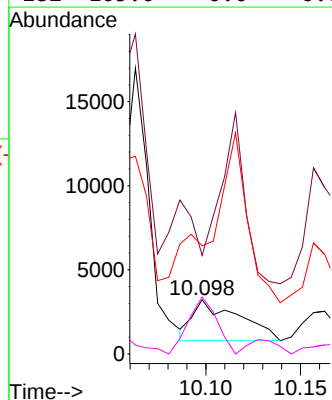
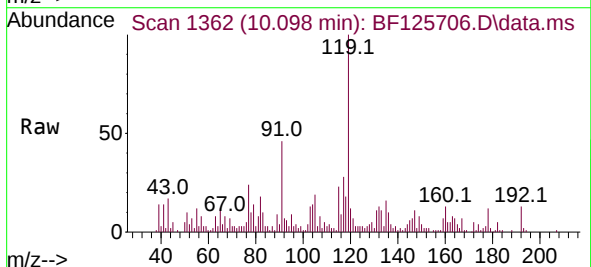
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

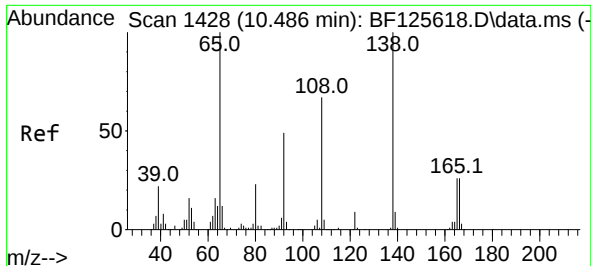
Tgt Ion:184 Resp: 878
Ion Ratio Lower Upper
184 100
63 496.8 59.3 88.9#
154 192.2 68.6 102.8#



#57
2,4-Dinitrotoluene
Concen: 5.166 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:165 Resp: 4134
Ion Ratio Lower Upper
165 100
63 181.4 40.9 61.3#
89 199.2 59.7 89.5#
182 105.0 0.0 0.0#

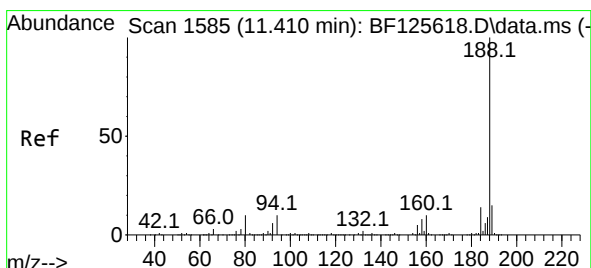
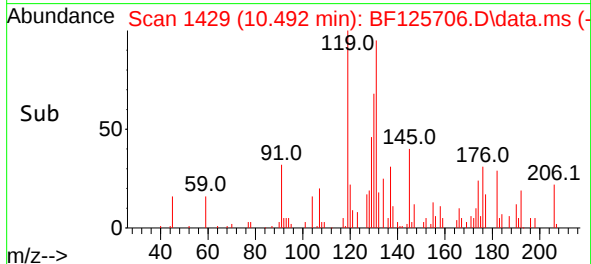
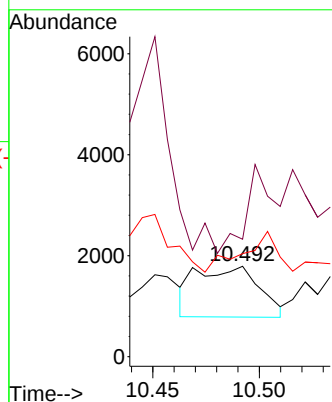
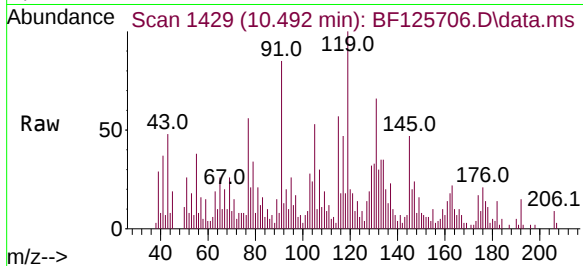




#62
4-Nitroaniline
Concen: 2.110 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

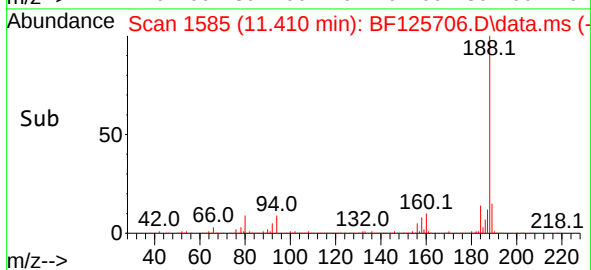
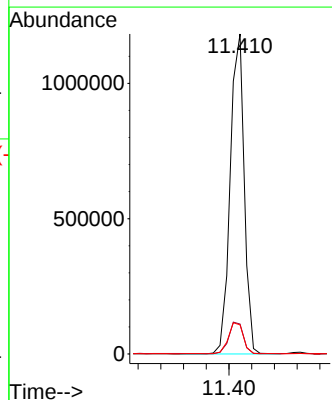
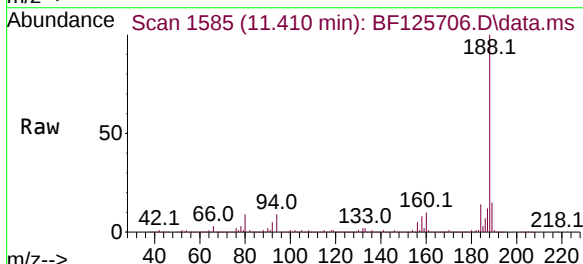
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

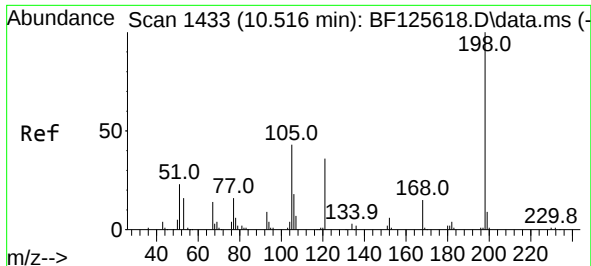
Tgt Ion:138 Resp: 2048
Ion Ratio Lower Upper
138 100
92 129.9 29.6 69.6#
108 114.1 78.1 118.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:188 Resp: 1013445
Ion Ratio Lower Upper
188 100
94 9.4 6.7 10.1
80 9.1 7.5 11.3

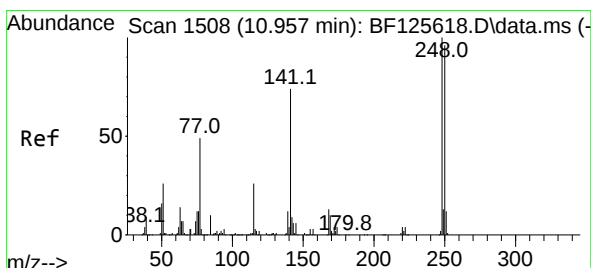
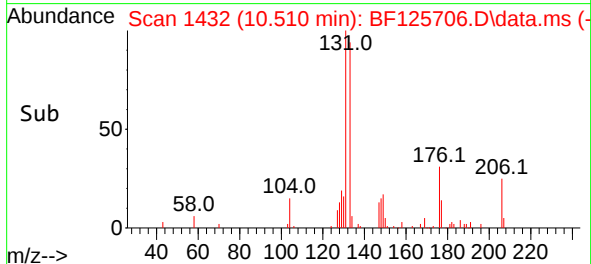
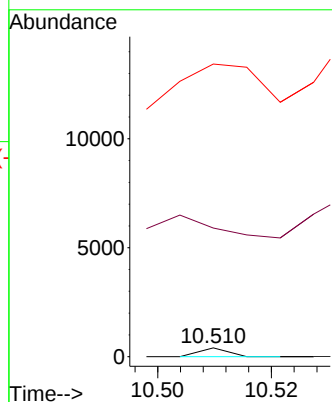
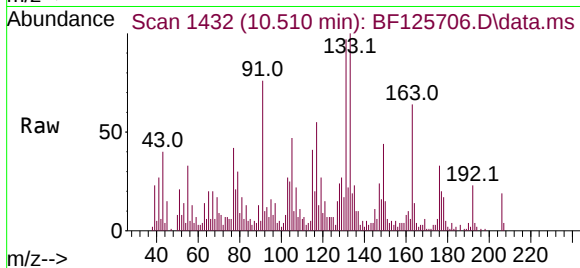




#65
4,6-Dinitro-2-methylphenol
Concen: 9.037 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

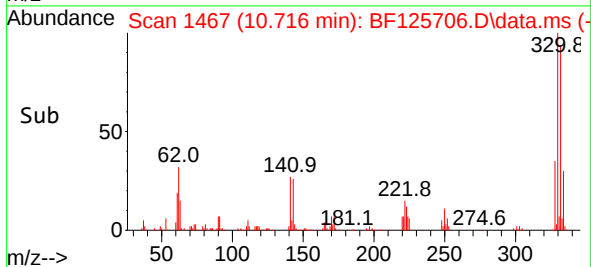
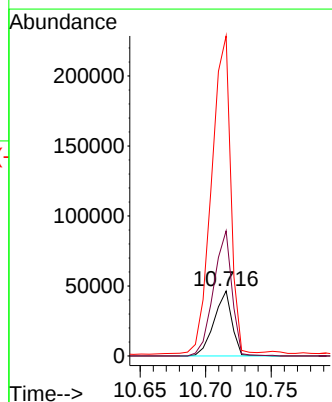
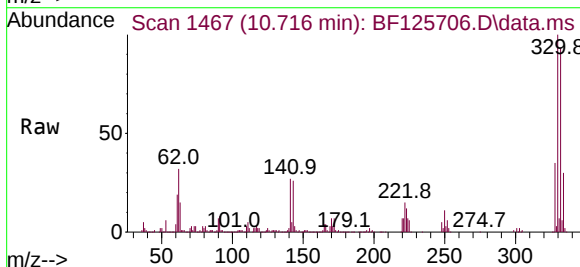
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

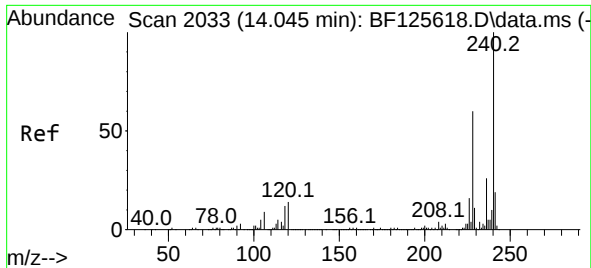
Tgt Ion:198 Resp: 143
Ion Ratio Lower Upper
198 100
51 1457.0 45.3 85.3#
105 3317.0 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.144 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.241 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:248 Resp: 44074
Ion Ratio Lower Upper
248 100
250 192.5 74.2 111.4#
141 492.6 60.4 90.6#

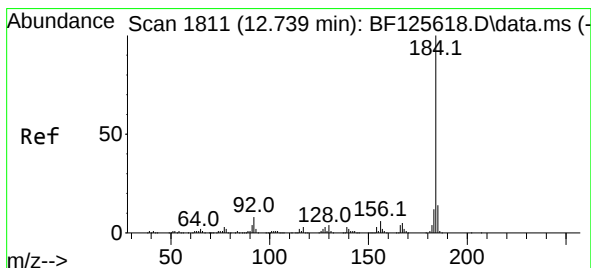
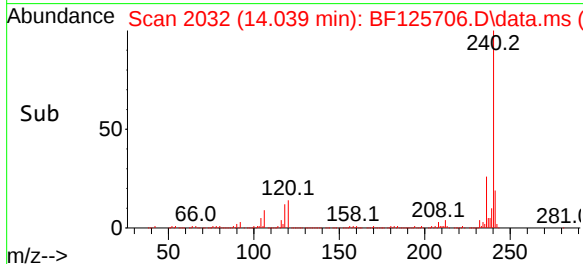
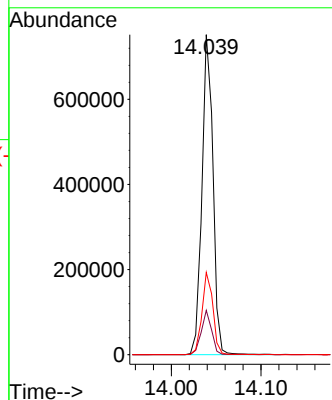
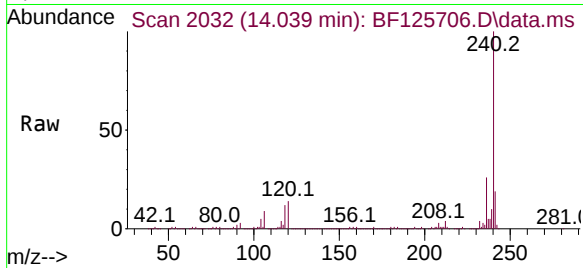




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

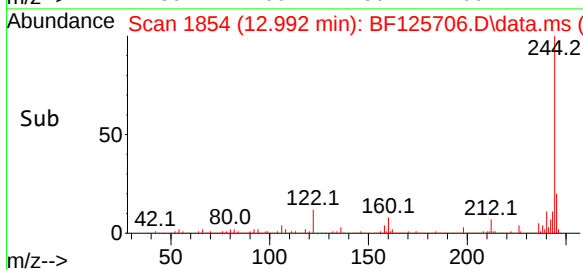
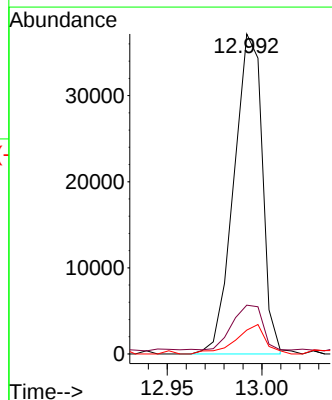
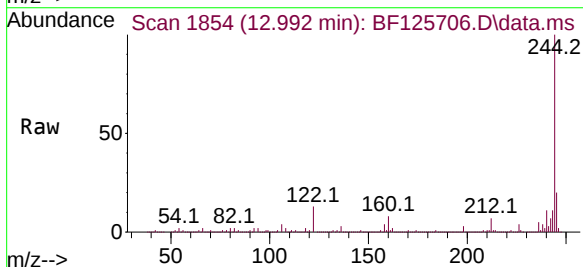
Instrument :
BNA_F
ClientSampleId :
RAMB-MW08-GW

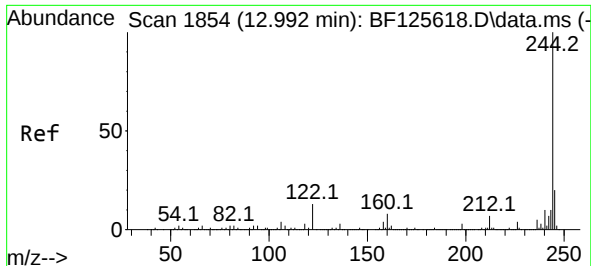
Tgt Ion:240	Resp: 641041
Ion Ratio	Lower Upper
240	100
120	13.8 10.8 16.2
236	25.7 21.6 32.4



#77
Benzidine
Concen: 2.299 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF125706.D
Acq: 29 Sep 2021 11:43

Tgt Ion:184	Resp: 38722
Ion Ratio	Lower Upper
184	100
185	15.2 10.8 16.2
183	7.4 8.1 12.1#

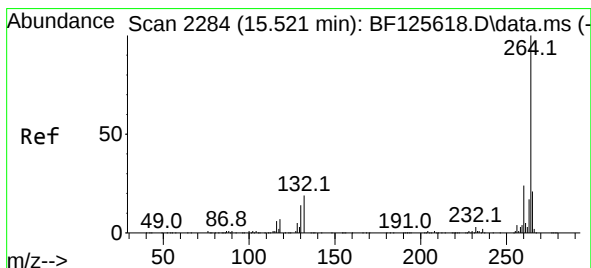
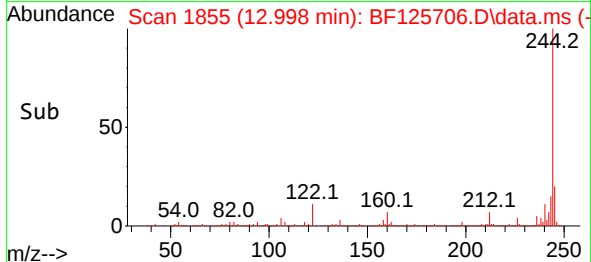
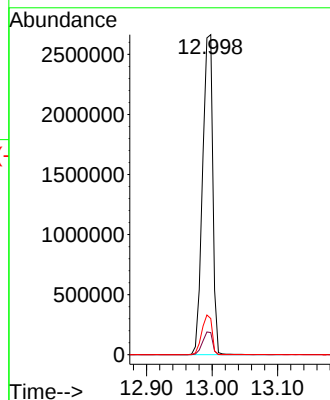
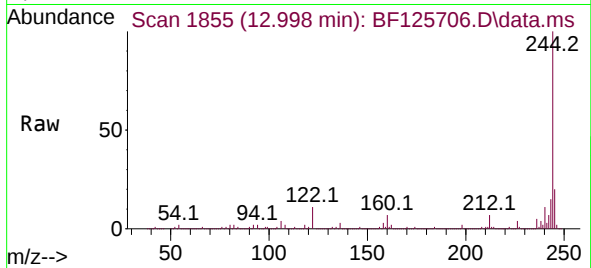




#79
 Terphenyl-d14
 Concen: 78.036 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. 0.006 min
 Lab File: BF125706.D
 Acq: 29 Sep 2021 11:43

Instrument :
 BNA_F
 ClientSampleId :
 RAMB-MW08-GW

Tgt Ion:244 Resp: 2888632
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 11.3 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: BF125706.D
 Acq: 29 Sep 2021 11:43

Tgt Ion:264 Resp: 512405
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.6 29.4
 265 20.7 17.2 25.8

