

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101921\
 Data File : BG050637.D
 Acq On : 19 Oct 2021 16:27
 Operator : CG/JU
 Sample : M4253-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 135-136

Quant Time: Oct 19 17:35:39 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

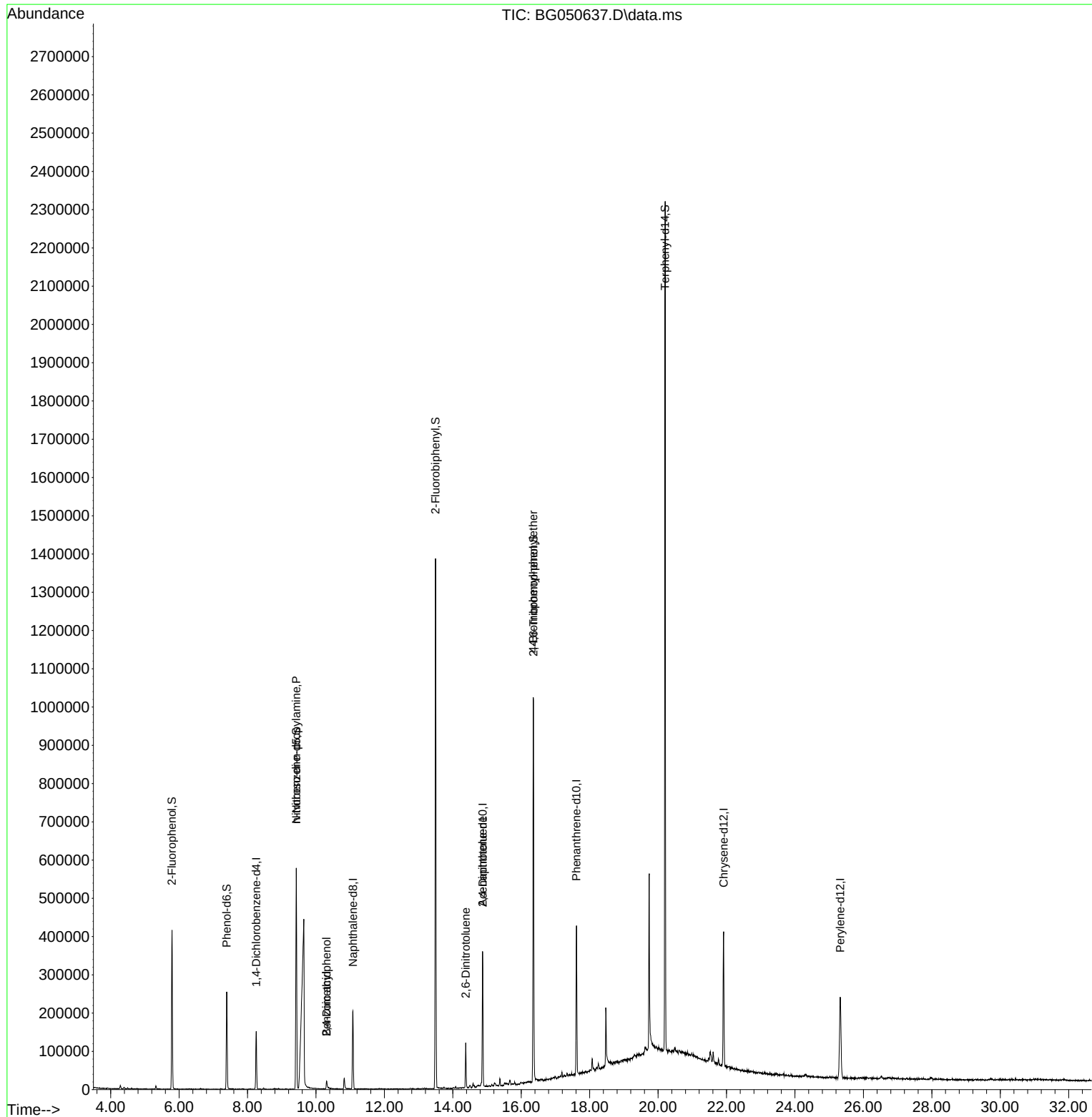
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.254	152	40286	20.000	ng	0.00
21) Naphthalene-d8	11.080	136	170313	20.000	ng	# 0.00
39) Acenaphthene-d10	14.870	164	114537	20.000	ng	0.00
64) Phenanthrene-d10	17.614	188	242386	20.000	ng	# 0.00
76) Chrysene-d12	21.914	240	216708	20.000	ng	#-0.01
86) Perylene-d12	25.322	264	220089	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.792	112	174885	64.922	ng	0.00
7) Phenol-d6	7.390	99	147343	37.780	ng	-0.01
23) Nitrobenzene-d5	9.423	82	372232	90.474	ng	0.00
42) 2,4,6-Tribromophenol	16.356	330	150376	137.646	ng	0.00
45) 2-Fluorobiphenyl	13.495	172	684057	89.886	ng	-0.01
79) Terphenyl-d14	20.205	244	973856	87.577	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.384	77	350	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.423	70	52063	18.315	ng	# 72
27) 2,4-Dimethylphenol	10.310	122	9358	3.606	ng	# 1
32) Benzoic acid	10.310	122	9358	4.859	ng	# 72
51) 2,6-Dinitrotoluene	14.376	165	15612	9.003	ng	# 13
57) 2,4-Dinitrotoluene	14.870	165	15229	6.231	ng	# 17
67) 4-Bromophenyl-phenylether	16.350	248	12325	5.046	ng	# 1

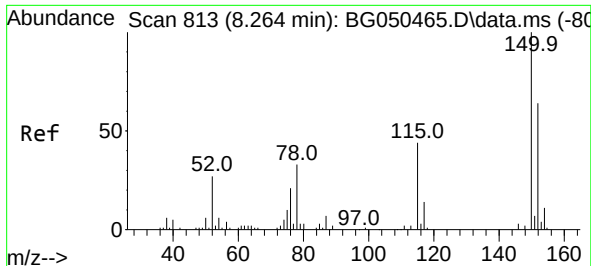
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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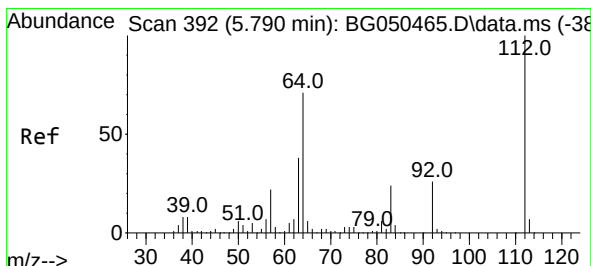
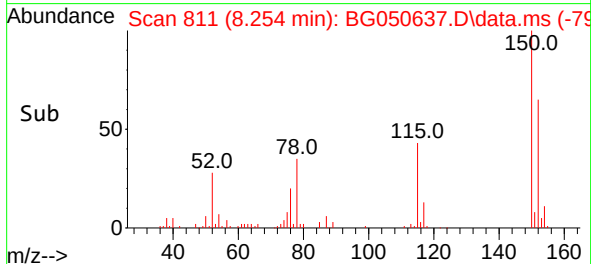
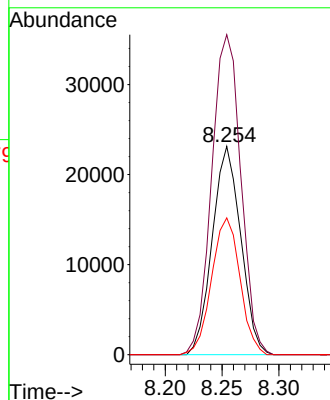
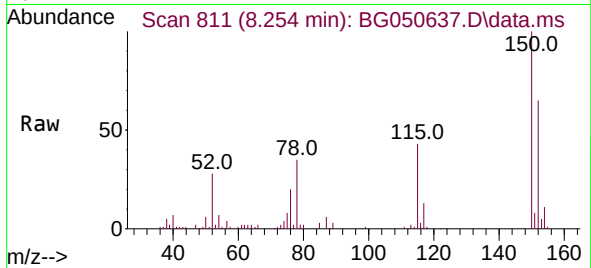




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.254 min Scan# 811
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

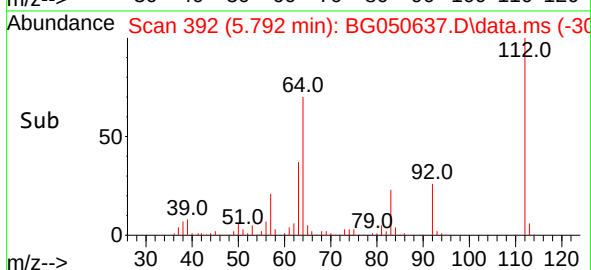
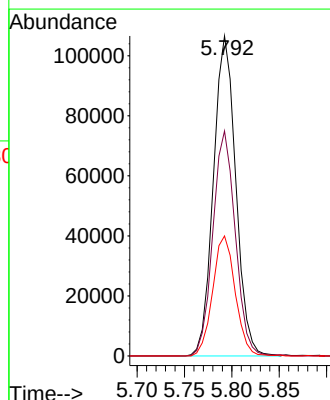
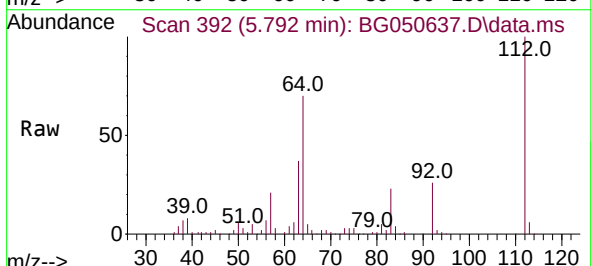
Instrument :
BNA_G
ClientSampleId :
135-136

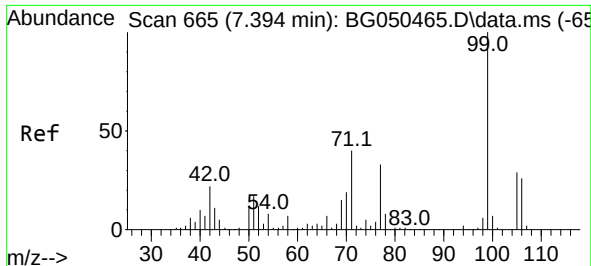
Tgt Ion:152 Resp: 40286
Ion Ratio Lower Upper
152 100
150 153.6 119.4 179.0
115 65.7 60.2 90.4



#5
2-Fluorophenol
Concen: 64.922 ng
RT: 5.792 min Scan# 392
Delta R.T. 0.002 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:112 Resp: 174885
Ion Ratio Lower Upper
112 100
64 70.3 46.7 70.1#
63 37.5 35.3 52.9

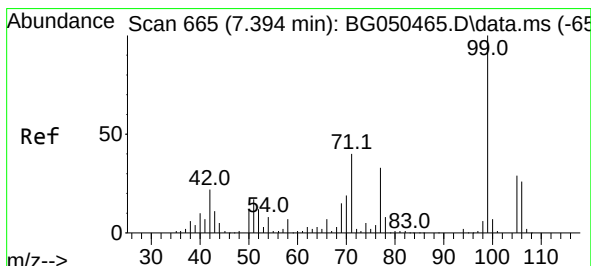
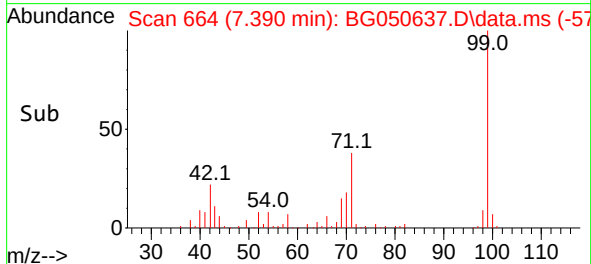
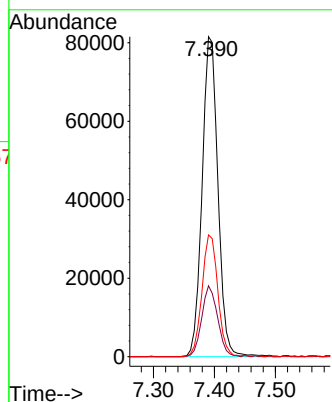
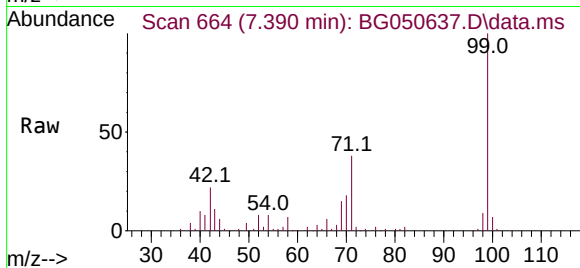




#7
Phenol-d6
Concen: 37.780 ng
RT: 7.390 min Scan# 664
Delta R.T. -0.010 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

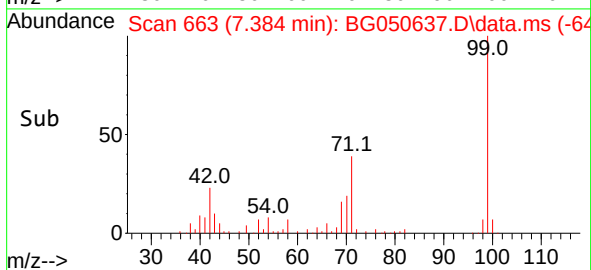
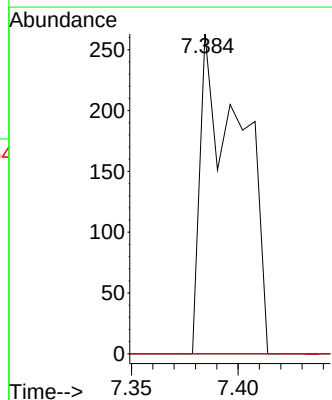
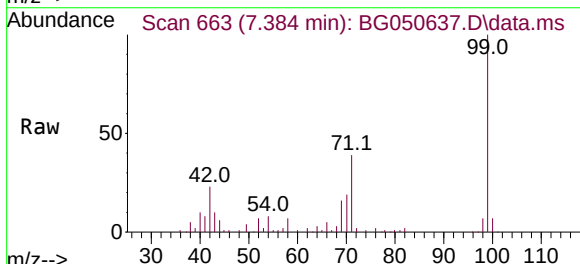
Instrument :
BNA_G
ClientSampleId :
135-136

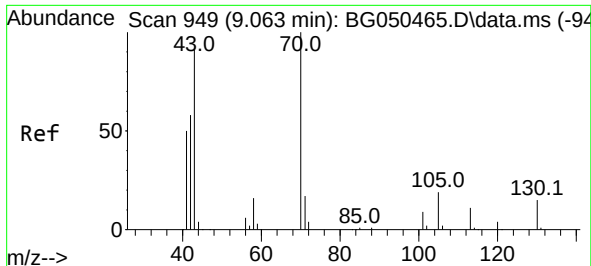
Tgt Ion: 99 Resp: 147343
Ion Ratio Lower Upper
99 100
42 22.2 20.5 30.7
71 38.1 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.384 min Scan# 663
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion: 77 Resp: 350
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

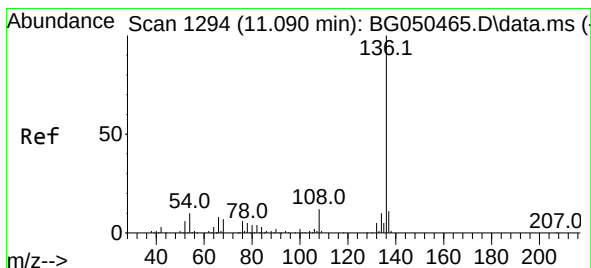
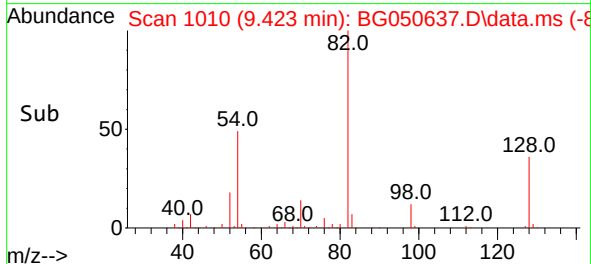
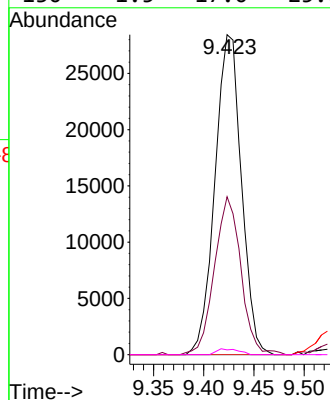
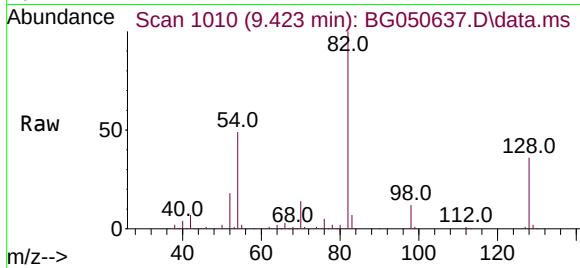




#19
n-Nitroso-di-n-propylamine
Concen: 18.315 ng
RT: 9.423 min Scan# 1010
Delta R.T. 0.366 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

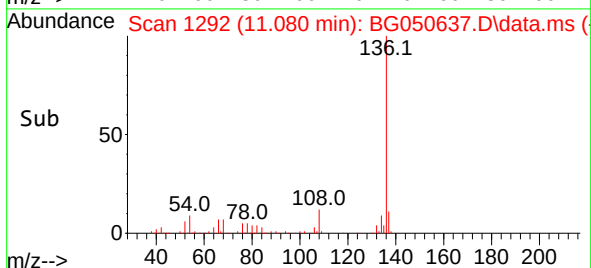
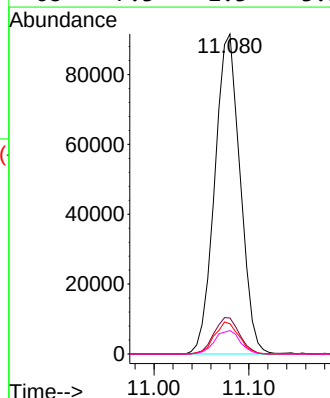
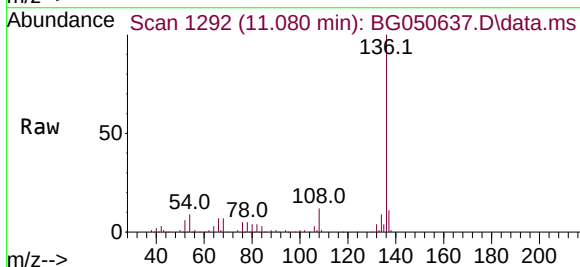
Instrument :
BNA_G
ClientSampleId :
135-136

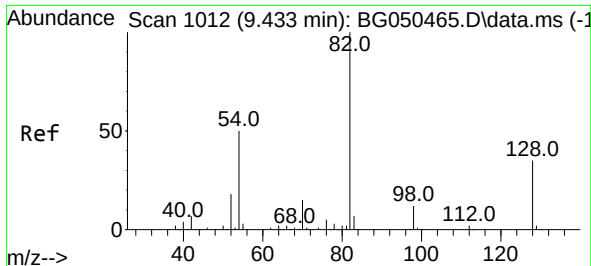
Tgt Ion:	70	Resp:	52063
Ion	Ratio	Lower	Upper
70	100		
42	49.4	54.5	81.7#
101	0.0	9.0	13.6#
130	1.5	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.080 min Scan# 1292
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:	136	Resp:	170313
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.2
54	9.4	5.5	8.3#
68	7.3	2.3	3.5#

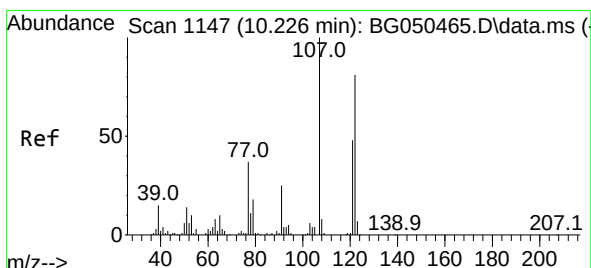
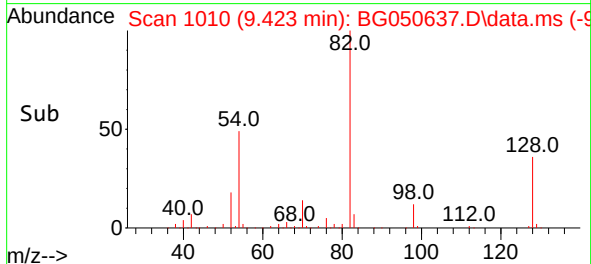
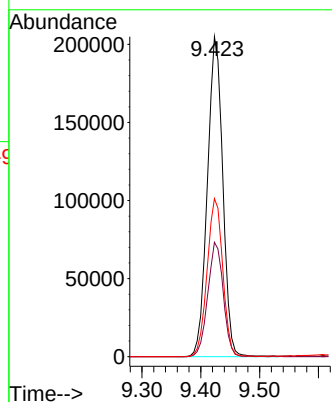
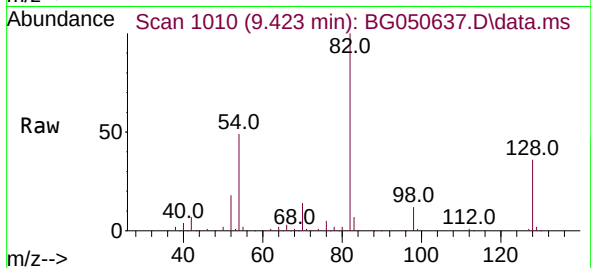




#23
Nitrobenzene-d5
Concen: 90.474 ng
RT: 9.423 min Scan# 1010
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

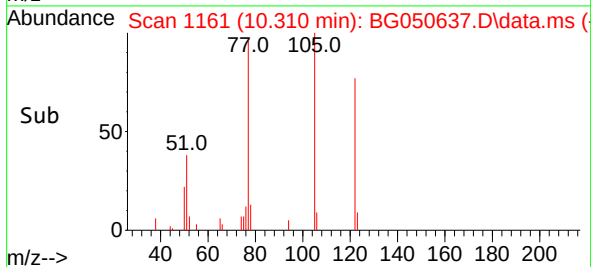
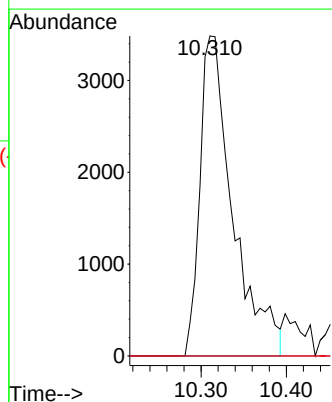
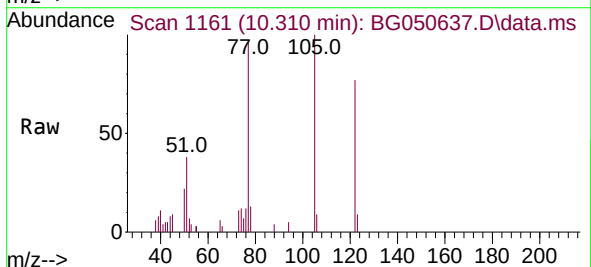
Instrument :
BNA_G
ClientSampleId :
135-136

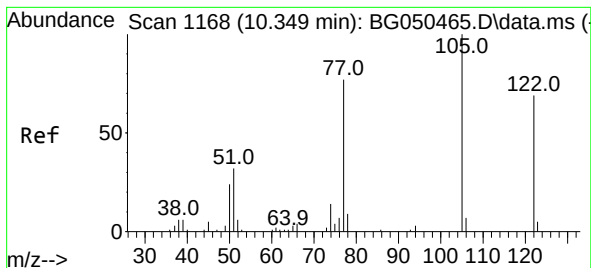
Tgt Ion: 82 Resp: 372232
Ion Ratio Lower Upper
82 100
128 35.7 29.8 44.6
54 49.4 45.8 68.8



#27
2,4-Dimethylphenol
Concen: 3.606 ng
RT: 10.310 min Scan# 1161
Delta R.T. 0.078 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:122 Resp: 9358
Ion Ratio Lower Upper
122 100
107 0.0 110.1 165.1#
121 0.0 49.0 73.6#

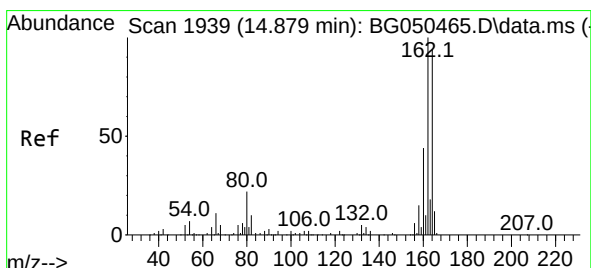
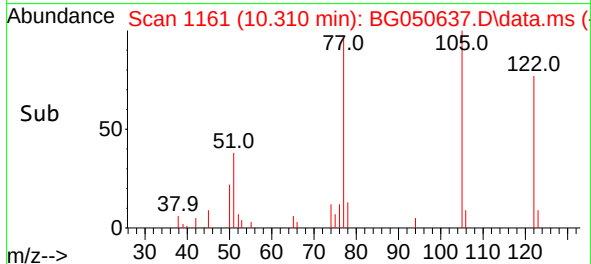
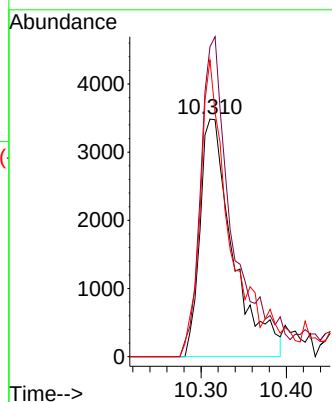
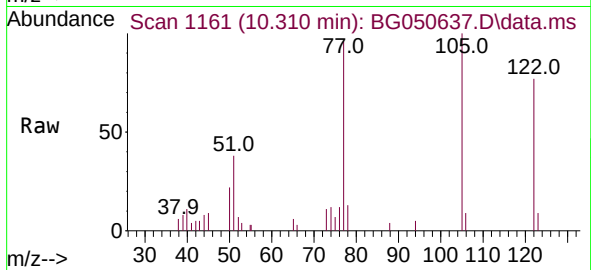




#32
Benzoic acid
Concen: 4.859 ng
RT: 10.310 min Scan# 1161
Delta R.T. -0.045 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

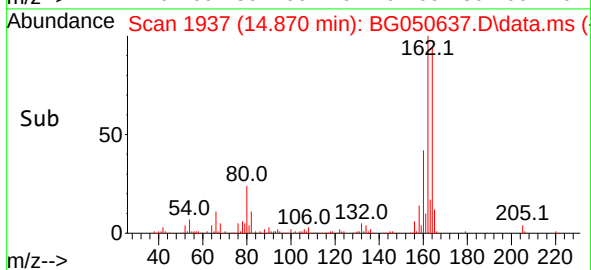
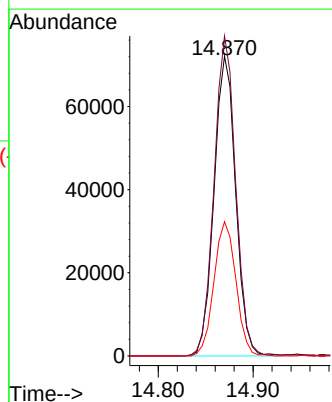
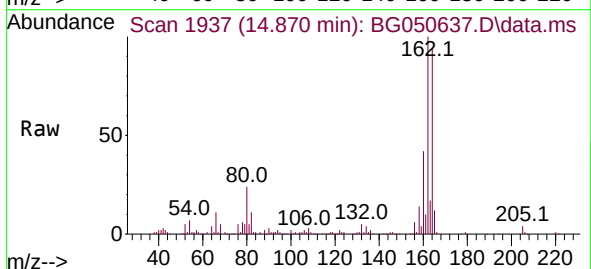
Instrument :
BNA_G
ClientSampleId :
135-136

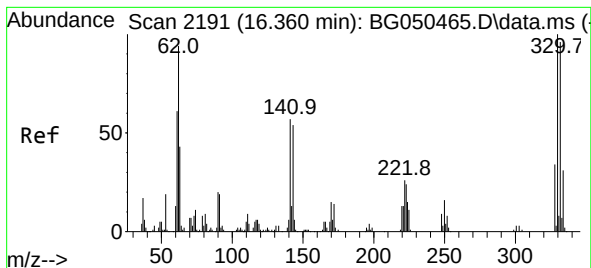
Tgt Ion:122 Resp: 9358
Ion Ratio Lower Upper
122 100
105 130.4 92.3 132.3
77 124.9 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.870 min Scan# 1937
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:164 Resp: 114537
Ion Ratio Lower Upper
164 100
162 106.7 81.4 122.0
160 44.8 34.9 52.3

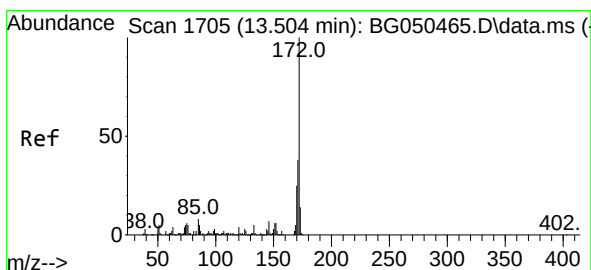
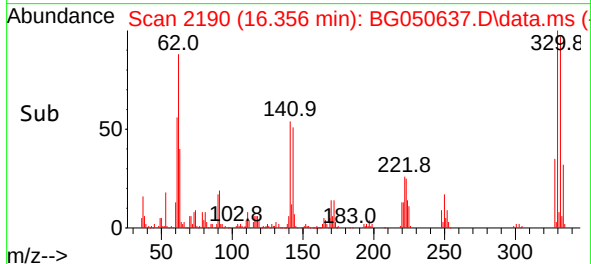
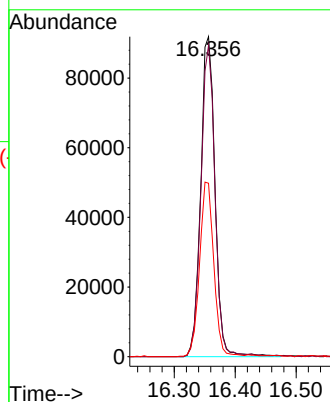
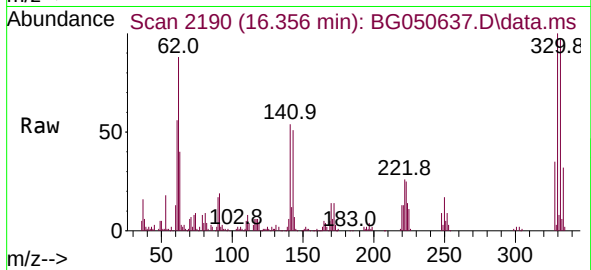




#42
2,4,6-Tribromophenol
Concen: 137.646 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

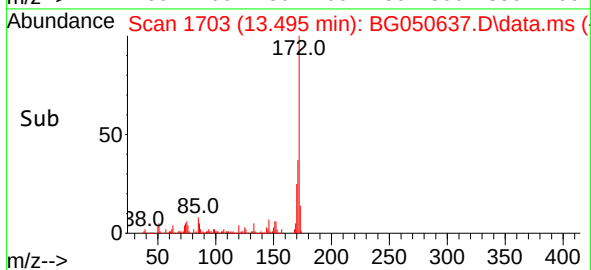
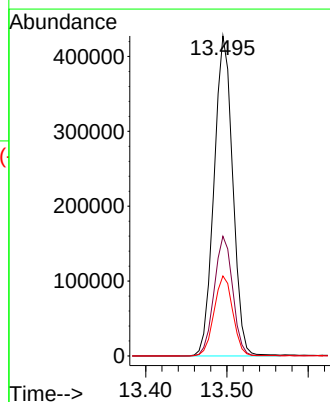
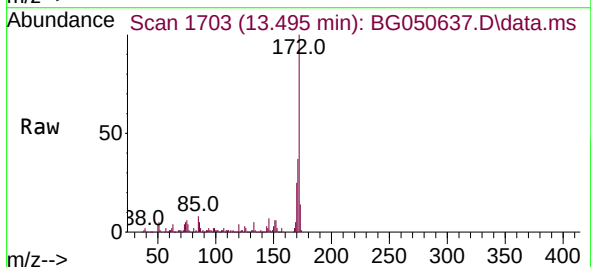
Instrument :
BNA_G
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135-136

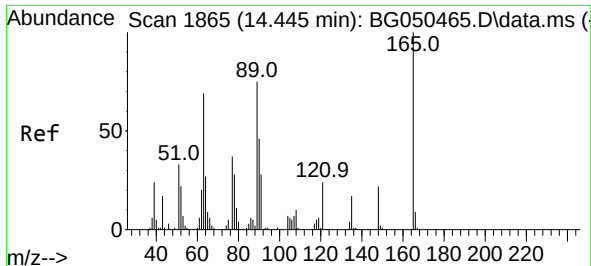
Tgt Ion:330 Resp: 150376
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 54.3 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 89.886 ng
RT: 13.495 min Scan# 1703
Delta R.T. -0.010 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:172 Resp: 684057
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 25.0 18.6 27.8

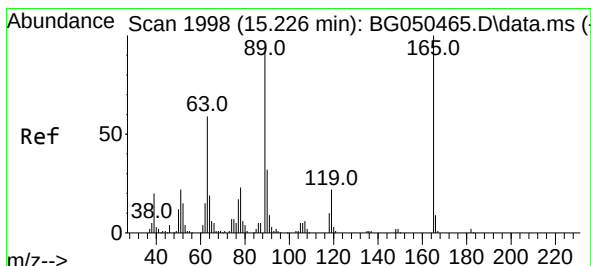
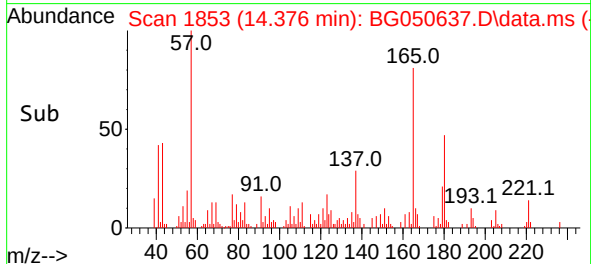
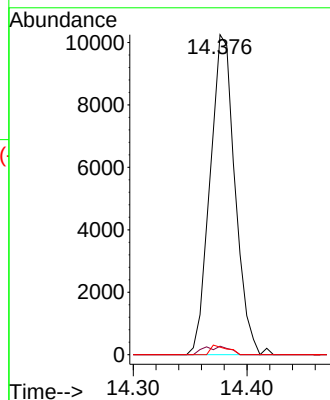
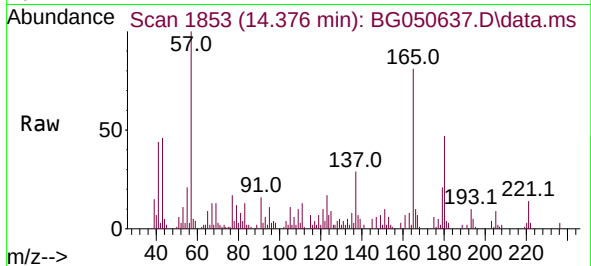




#51
2,6-Dinitrotoluene
Concen: 9.003 ng
RT: 14.376 min Scan# 1853
Delta R.T. -0.069 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

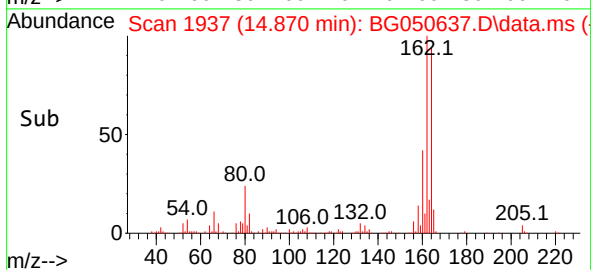
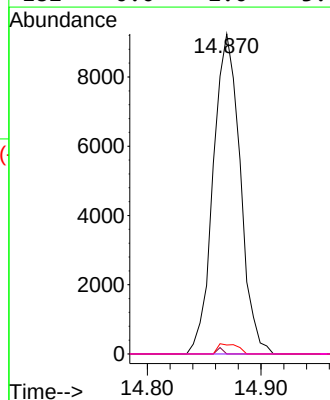
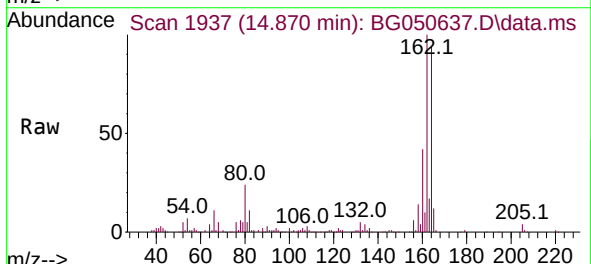
Instrument :
BNA_G
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135-136

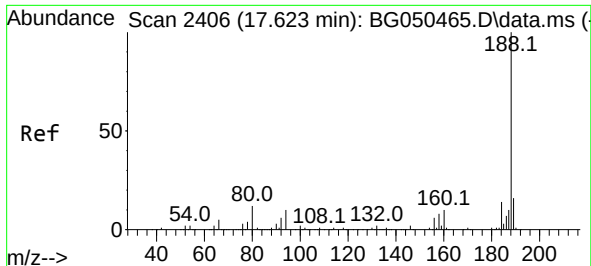
Tgt Ion:165 Resp: 15612
Ion Ratio Lower Upper
165 100
63 2.7 63.3 94.9#
89 2.4 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.231 ng
RT: 14.870 min Scan# 1937
Delta R.T. -0.357 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:165 Resp: 15229
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.8 65.4 98.0#
182 0.0 2.0 3.0#

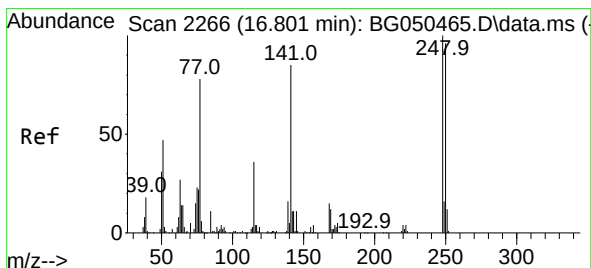
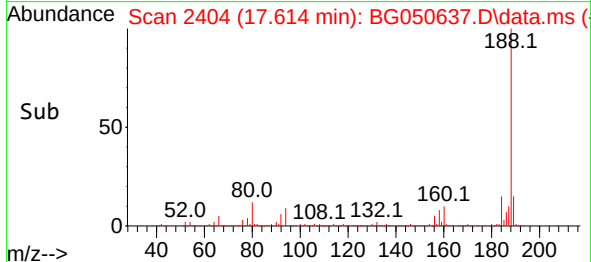
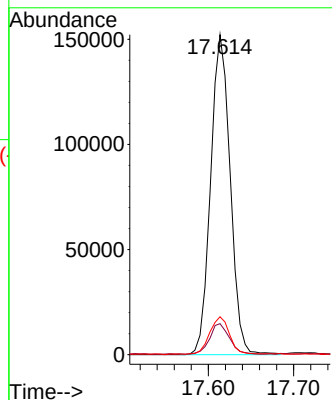
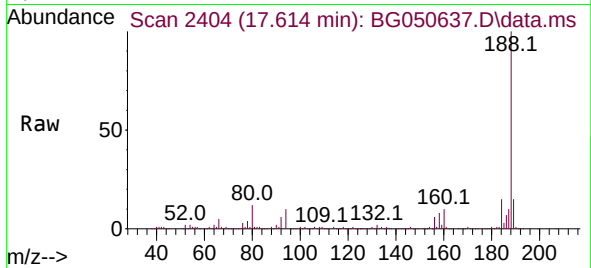




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.614 min Scan# 2404
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

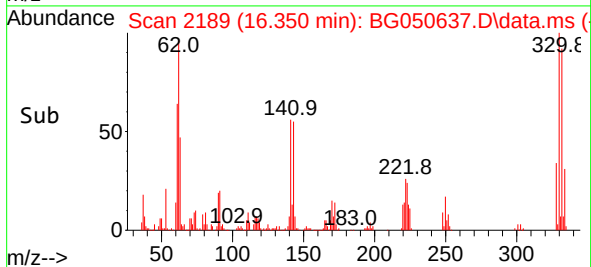
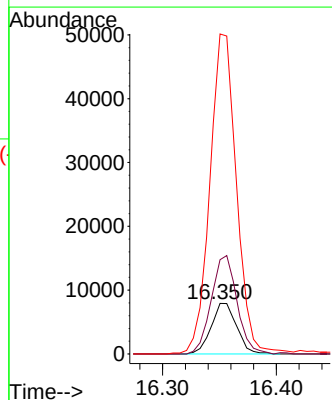
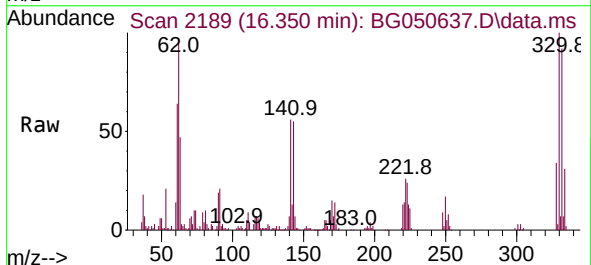
Instrument :
BNA_G
ClientSampleId :
135-136

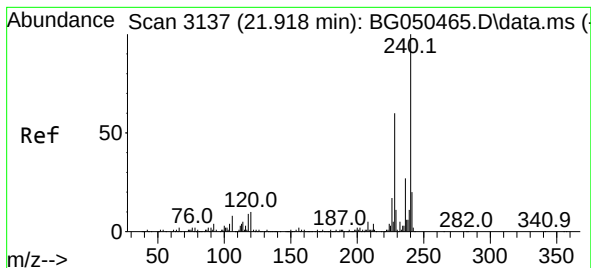
Tgt Ion:188 Resp: 242386
Ion Ratio Lower Upper
188 100
94 9.7 5.4 8.0#
80 11.9 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 5.046 ng
RT: 16.350 min Scan# 2189
Delta R.T. -0.451 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:248 Resp: 12325
Ion Ratio Lower Upper
248 100
250 186.5 76.1 114.1#
141 633.5 65.4 98.2#

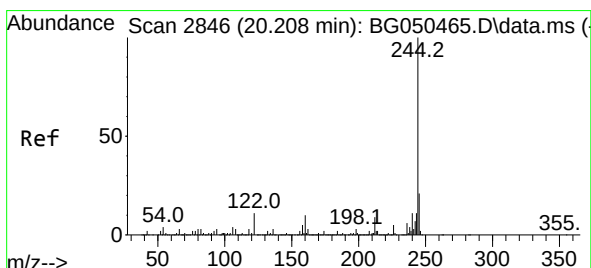
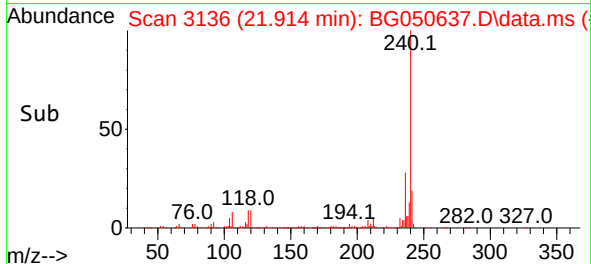
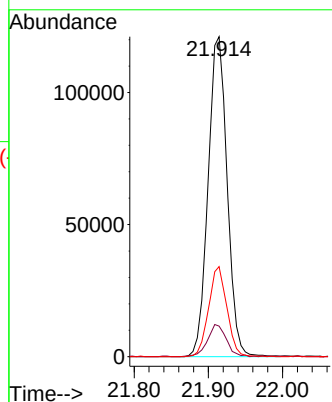
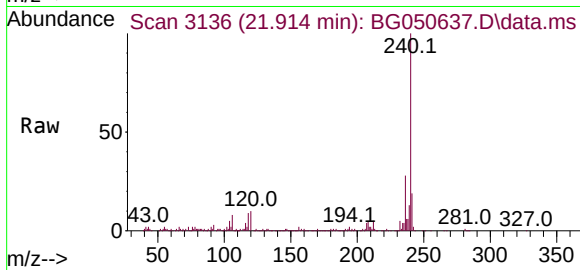




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.914 min Scan# 3136
Delta R.T. -0.010 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

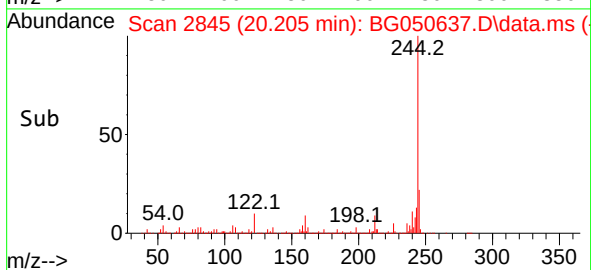
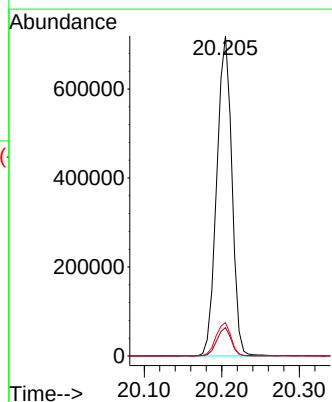
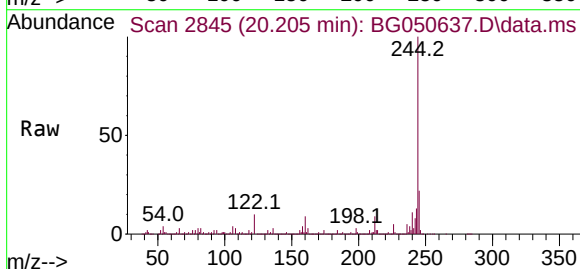
Instrument :
BNA_G
ClientSampleId :
135-136

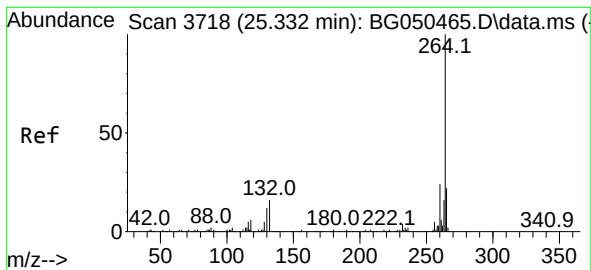
Tgt Ion:240 Resp: 216708
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2#
236 28.2 21.8 32.6



#79
Terphenyl-d14
Concen: 87.577 ng
RT: 20.205 min Scan# 2845
Delta R.T. -0.004 min
Lab File: BG050637.D
Acq: 19 Oct 2021 16:27

Tgt Ion:244 Resp: 973856
Ion Ratio Lower Upper
244 100
212 8.8 6.9 10.3
122 10.4 5.0 7.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.322 min Scan# 3716
 Delta R.T. -0.010 min
 Lab File: BG050637.D
 Acq: 19 Oct 2021 16:27

Instrument :
 BNA_G
 ClientSampleId :
 135-136

Tgt Ion:264 Resp: 220089

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	21.8	16.9	25.3

