

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
 Data File : BG050522.D
 Acq On : 8 Oct 2021 23:47
 Operator : CG/JU
 Sample : M4081-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 356

Quant Time: Oct 09 01:58:59 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

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

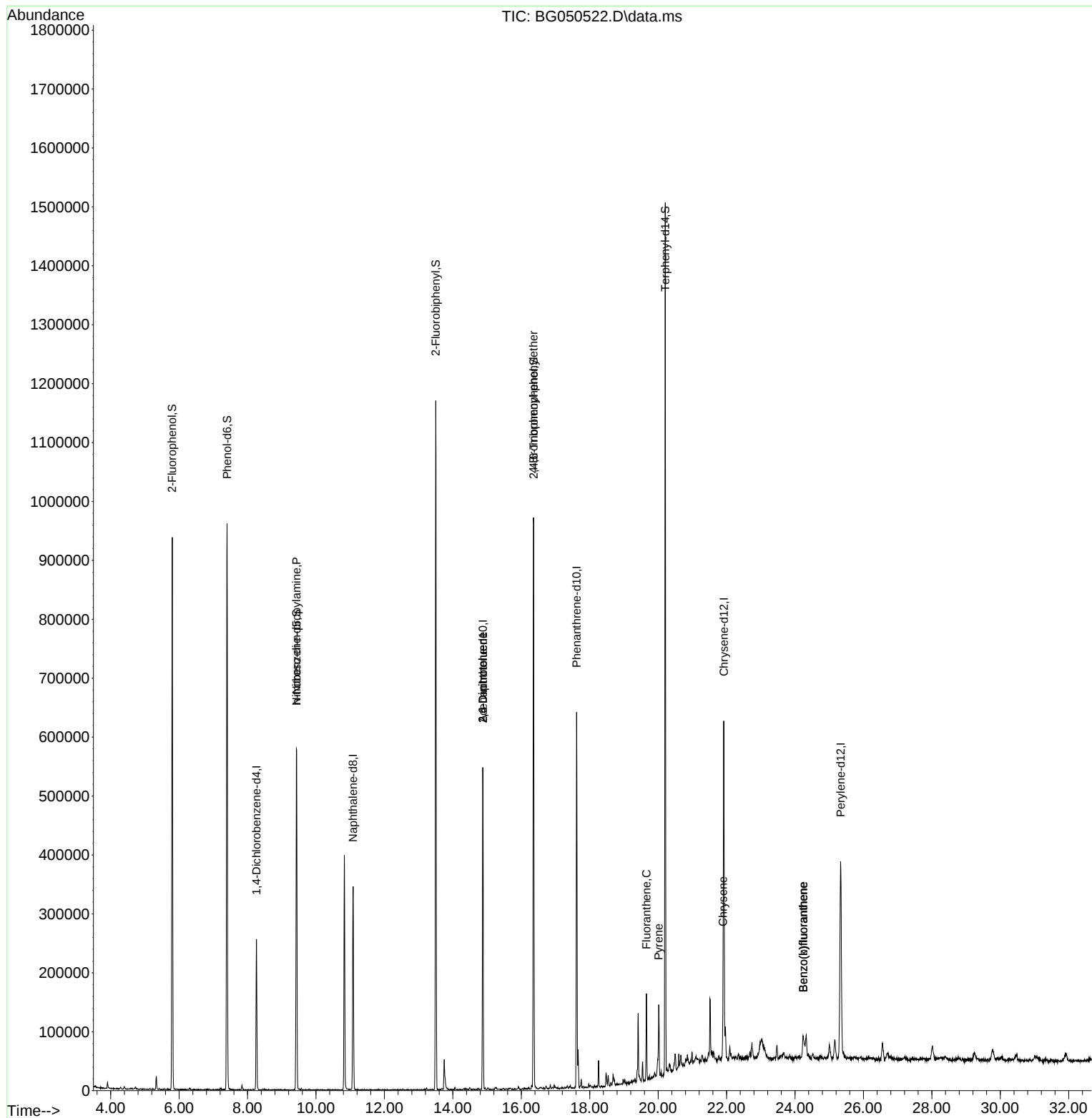
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	66191	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	278498	20.000	ng	# 0.00
39) Acenaphthene-d10	14.875	164	187465	20.000	ng	0.00
64) Phenanthrene-d10	17.619	188	379602	20.000	ng	# 0.00
76) Chrysene-d12	21.920	240	329399	20.000	ng	# 0.00
86) Perylene-d12	25.333	264	324884	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	380724	86.022	ng	0.00
7) Phenol-d6	7.401	99	528560	82.485	ng	0.00
23) Nitrobenzene-d5	9.434	82	378905	56.320	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	141093	78.907	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	579537	46.527	ng	0.00
79) Terphenyl-d14	20.210	244	675891	39.988	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.407	77	1360	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.428	70	53928	11.546	ng	# 70
51) 2,6-Dinitrotoluene	14.875	165	24299	8.562	ng	# 11
57) 2,4-Dinitrotoluene	14.875	165	24299	6.074	ng	# 17
67) 4-Bromophenyl-phenylether	16.355	248	11441	2.991	ng	# 1
75) Fluoranthene	19.658	202	90802	3.693	ng	95
78) Pyrene	20.016	202	78189	3.346	ng	99
83) Chrysene	21.896	228	42154	2.056	ng	98
88) Benzo(b)fluoranthene	24.240	252	46982	2.361	ng	# 89
89) Benzo(k)fluoranthene	24.240	252	46982	2.400	ng	# 93

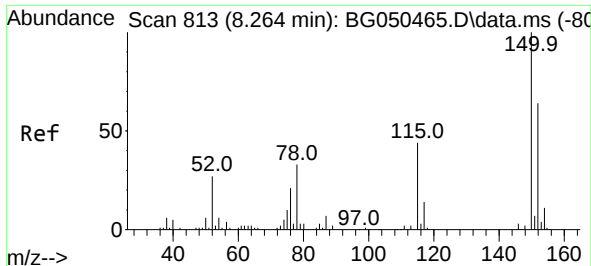
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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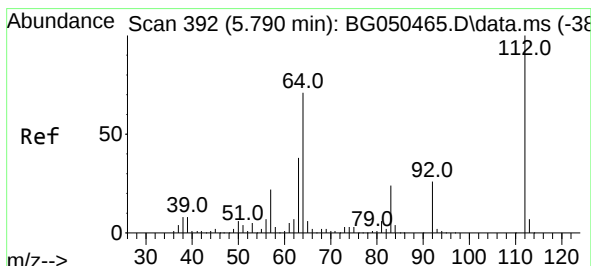
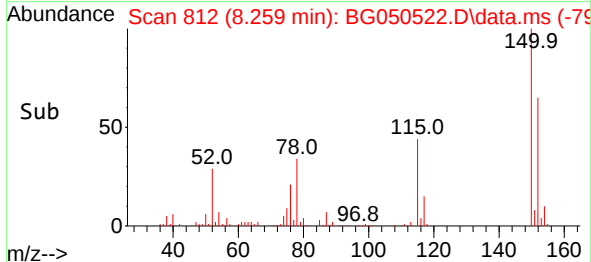
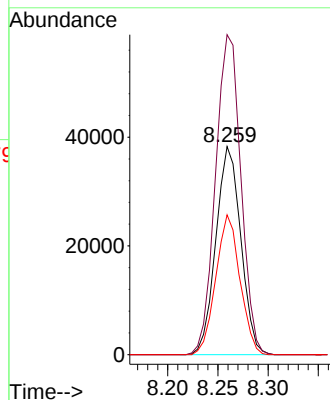
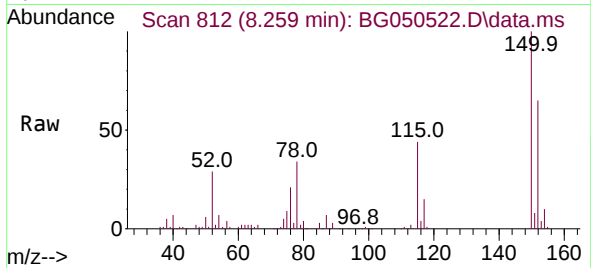




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

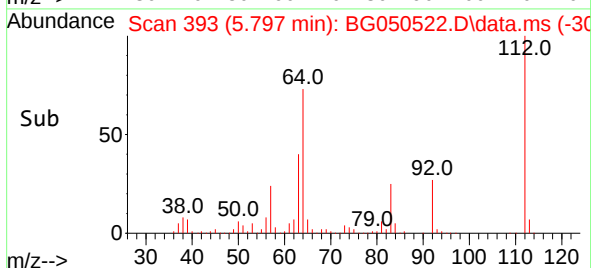
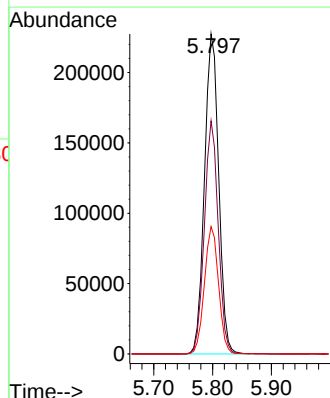
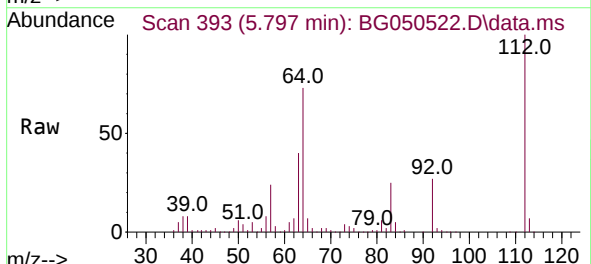
Instrument :
BNA_G
ClientSampleId :
356

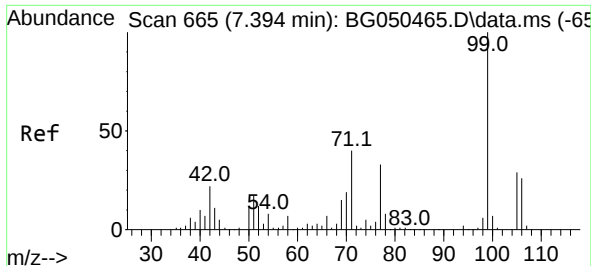
Tgt Ion:152 Resp: 66191
Ion Ratio Lower Upper
152 100
150 153.7 119.4 179.0
115 67.1 60.2 90.4



#5
2-Fluorophenol
Concen: 86.022 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.007 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:112 Resp: 380724
Ion Ratio Lower Upper
112 100
64 72.8 46.7 70.1#
63 39.8 35.3 52.9

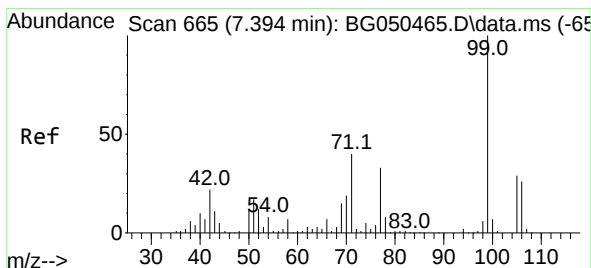
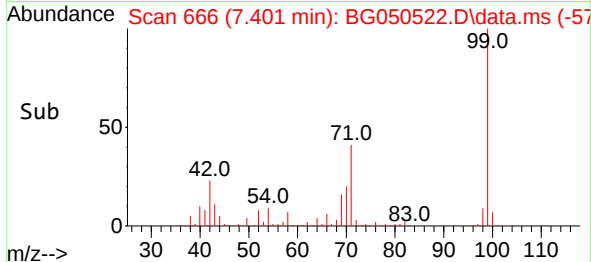
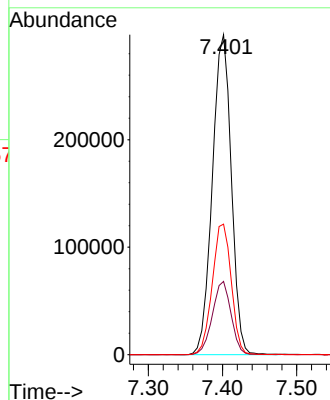
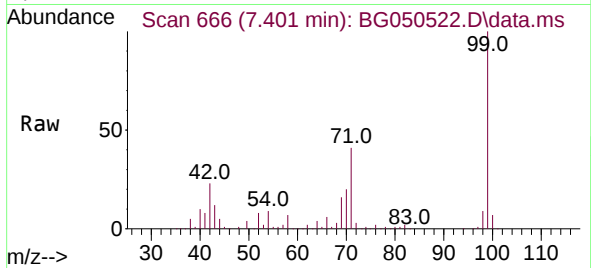




#7
Phenol-d6
Concen: 82.485 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

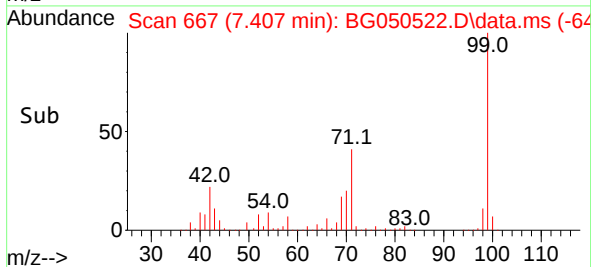
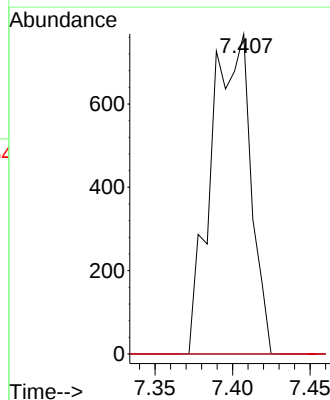
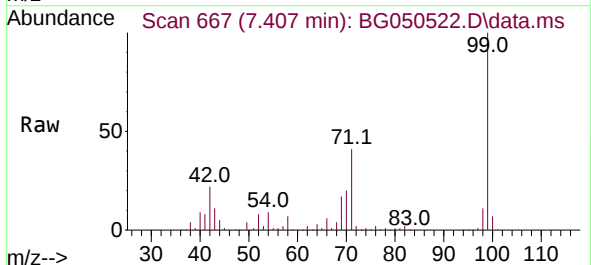
Instrument :
BNA_G
ClientSampleId :
356

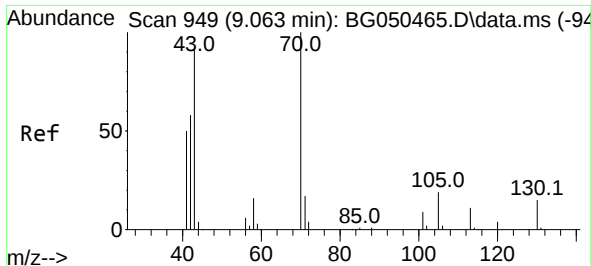
Tgt Ion: 99 Resp: 528560
Ion Ratio Lower Upper
99 100
42 22.9 20.5 30.7
71 40.8 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.407 min Scan# 667
Delta R.T. 0.013 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

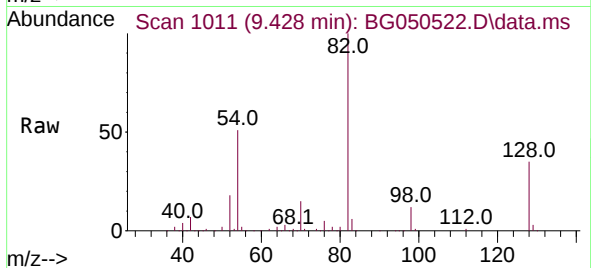
Tgt Ion: 77 Resp: 1360
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#



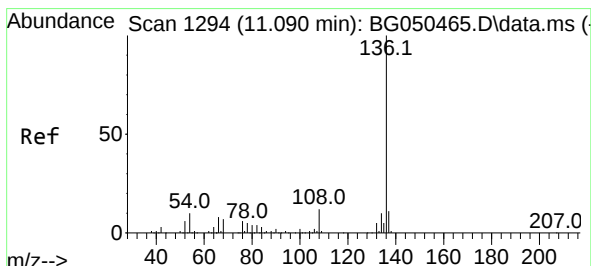
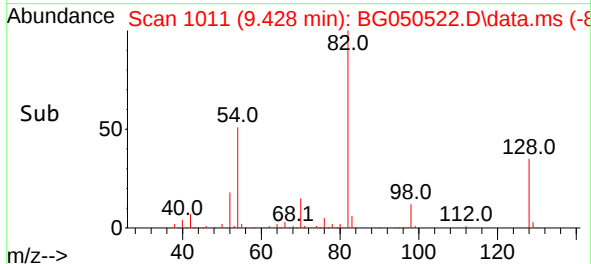
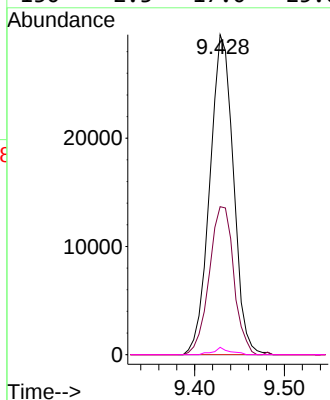


#19
n-Nitroso-di-n-propylamine
Concen: 11.546 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.366 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Instrument :
BNA_G
ClientSampleId :
356

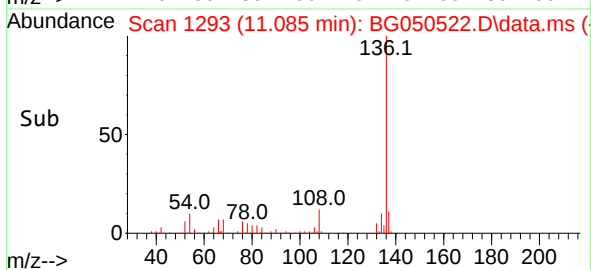
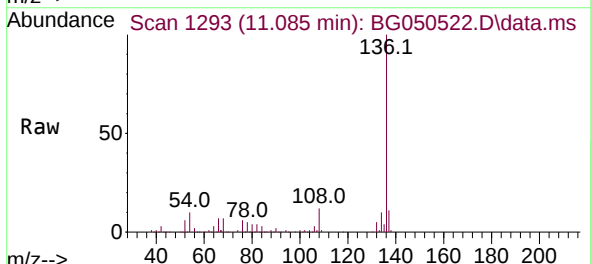
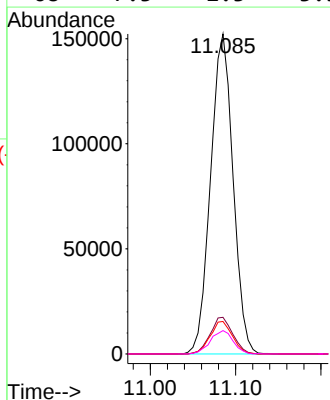


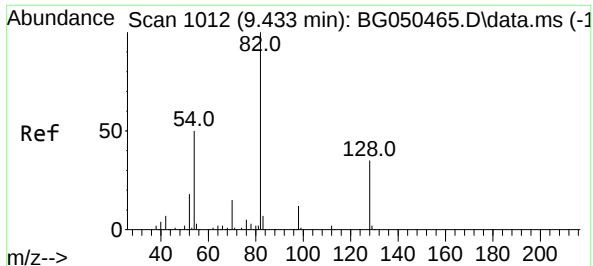
Tgt Ion:	70	Resp:	53928
Ion	Ratio	Lower	Upper
70	100		
42	46.2	54.5	81.7#
101	0.0	9.0	13.6#
130	2.3	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. -0.004 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:	136	Resp:	278498
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.2	12.2
54	10.1	5.5	8.3#
68	7.3	2.3	3.5#

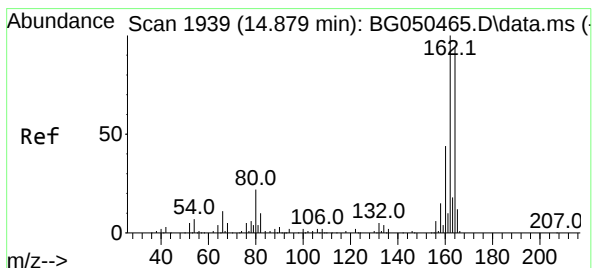
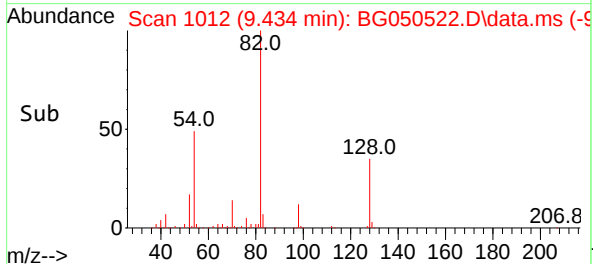
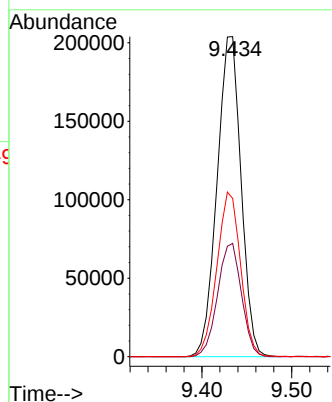
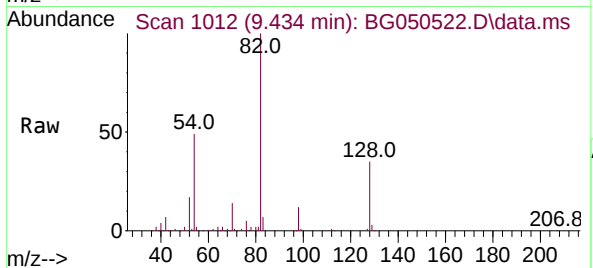




#23
Nitrobenzene-d5
Concen: 56.320 ng
RT: 9.434 min Scan# 1012
Delta R.T. 0.001 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

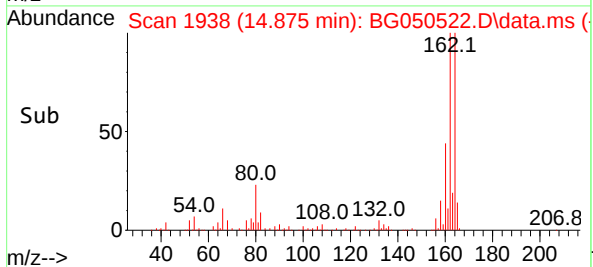
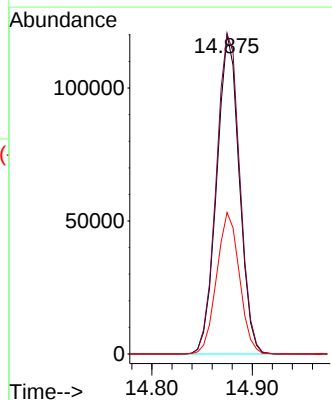
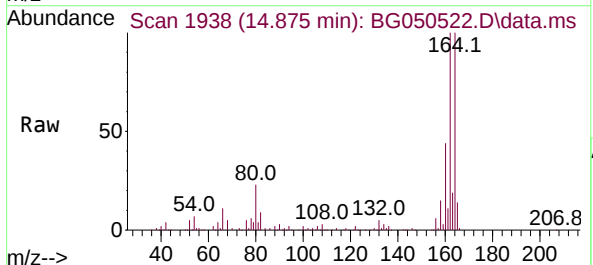
Instrument :
BNA_G
ClientSampleId :
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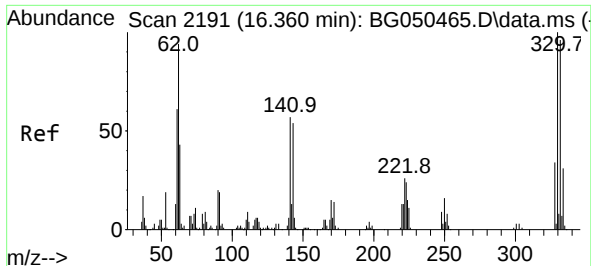
Tgt Ion: 82 Resp: 378905
Ion Ratio Lower Upper
82 100
128 35.4 29.8 44.6
54 49.5 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.004 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:164 Resp: 187465
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 44.2 34.9 52.3

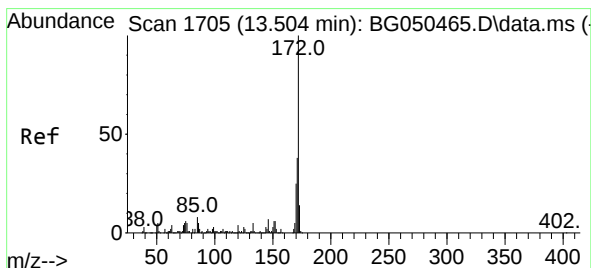
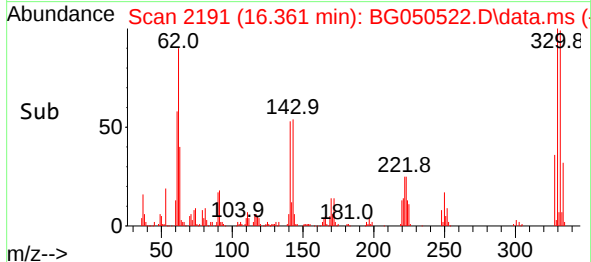
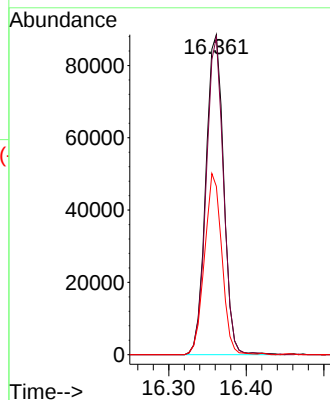
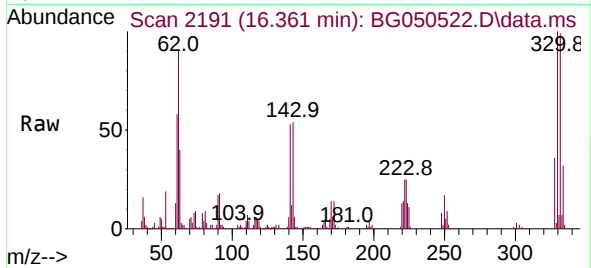




#42
2,4,6-Tribromophenol
Concen: 78.907 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

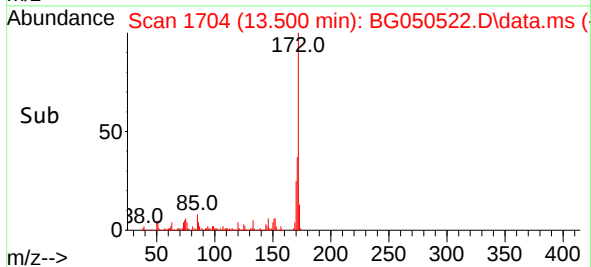
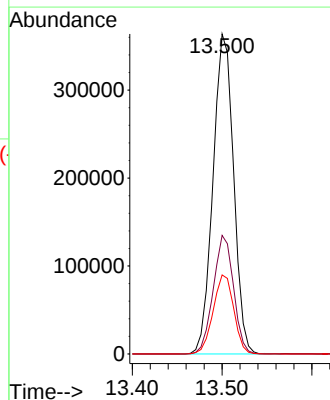
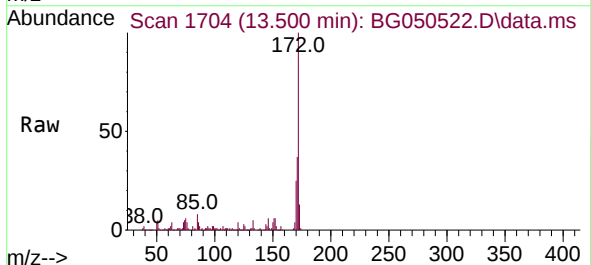
Instrument :
BNA_G
ClientSampleId :
356

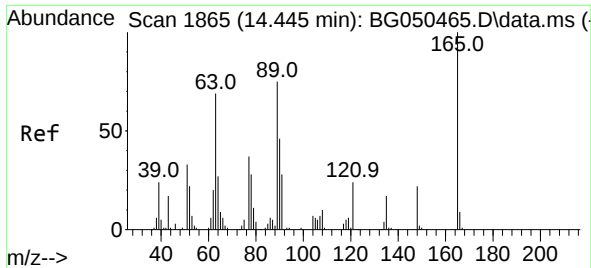
Tgt Ion:330 Resp: 141093
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 55.1 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 46.527 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.004 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:172 Resp: 579537
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 24.7 18.6 27.8

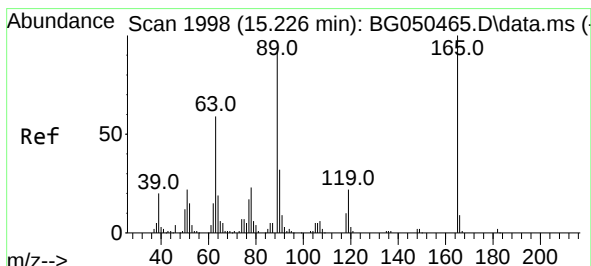
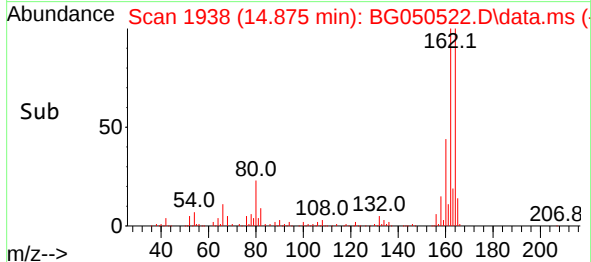
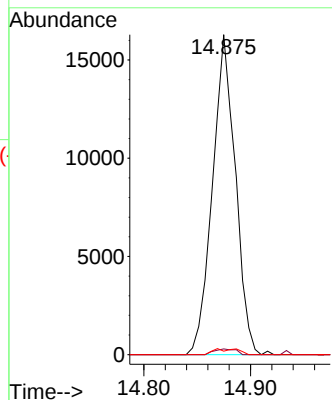
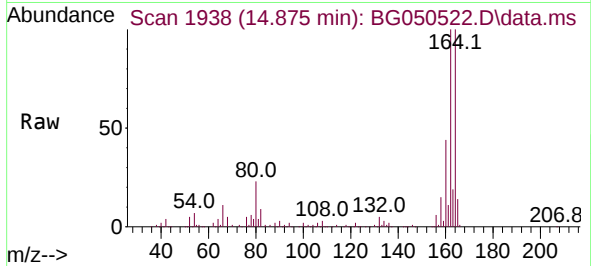




#51
2,6-Dinitrotoluene
Concen: 8.562 ng
RT: 14.875 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

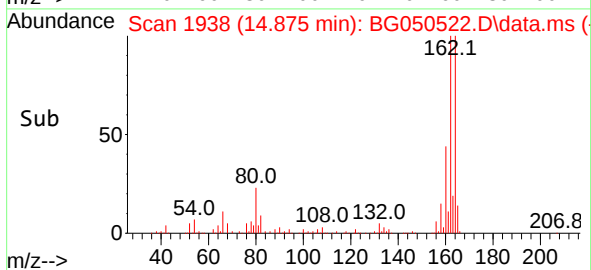
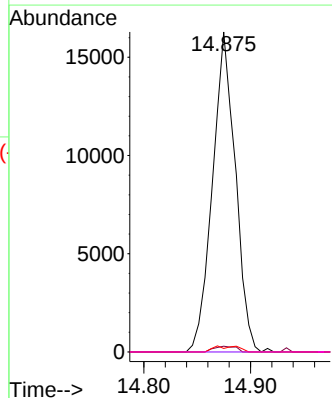
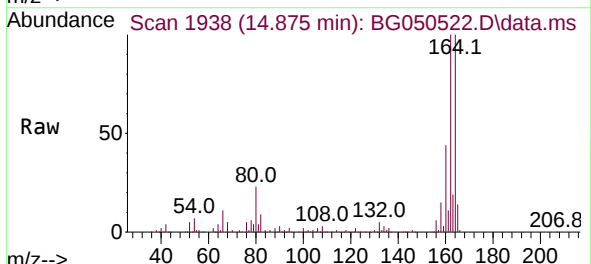
Instrument :
BNA_G
ClientSampleId :
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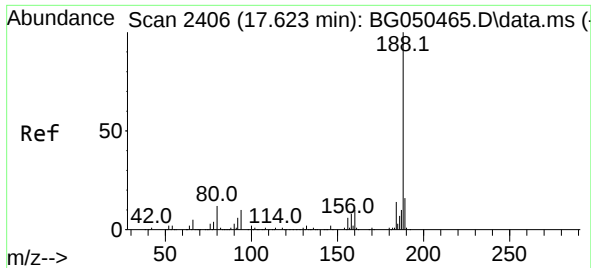
Tgt Ion:165 Resp: 24299
Ion Ratio Lower Upper
165 100
63 1.8 63.3 94.9#
89 1.1 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.074 ng
RT: 14.875 min Scan# 1938
Delta R.T. -0.351 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:165 Resp: 24299
Ion Ratio Lower Upper
165 100
63 1.8 48.0 72.0#
89 1.1 65.4 98.0#
182 0.0 2.0 3.0#

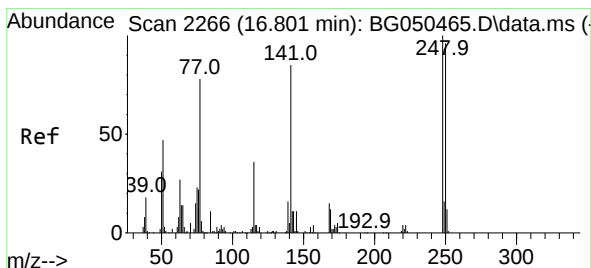
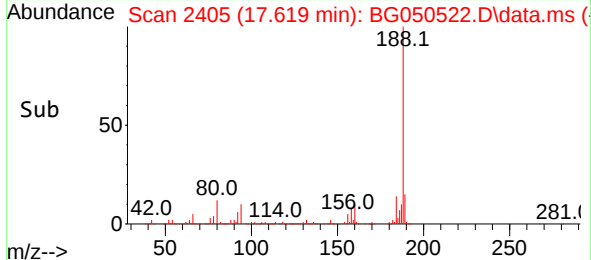
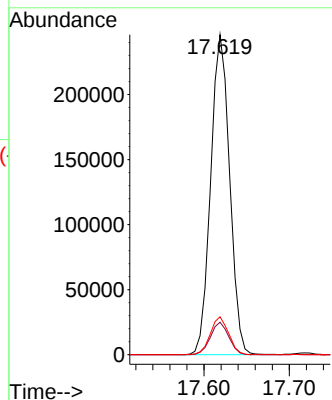
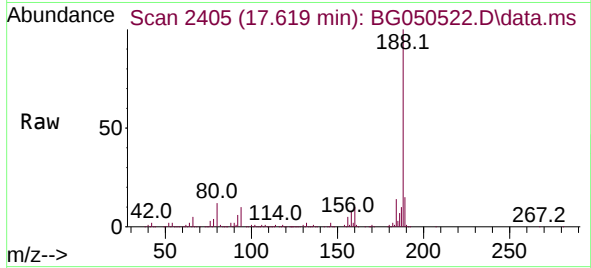




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.619 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

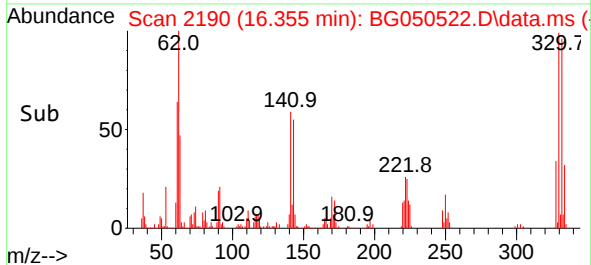
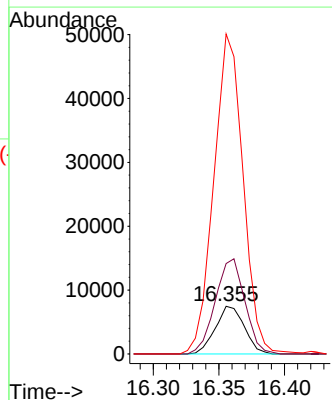
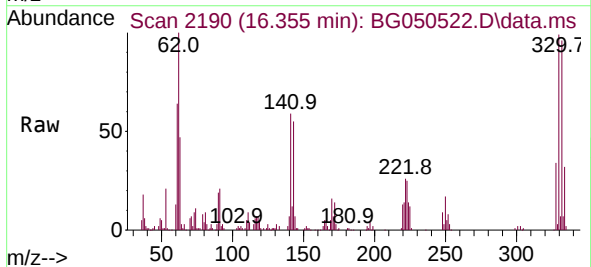
Instrument :
BNA_G
ClientSampled :
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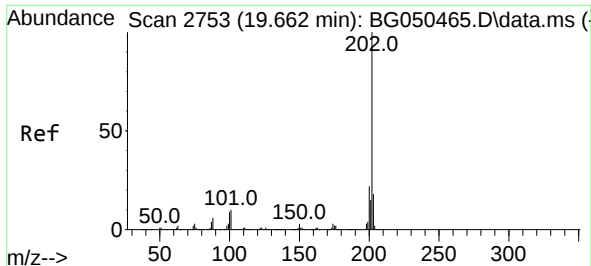
Tgt Ion:188 Resp: 379602
Ion Ratio Lower Upper
188 100
94 10.1 5.4 8.0#
80 11.8 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 2.991 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.445 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:248 Resp: 11441
Ion Ratio Lower Upper
248 100
250 189.6 76.1 114.1#
141 670.8 65.4 98.2#

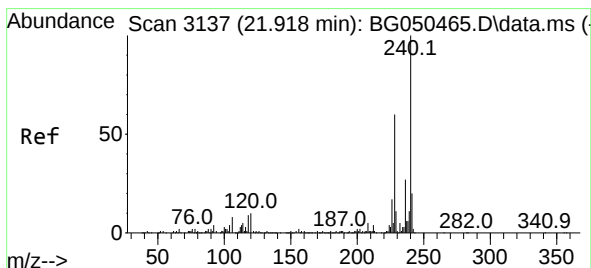
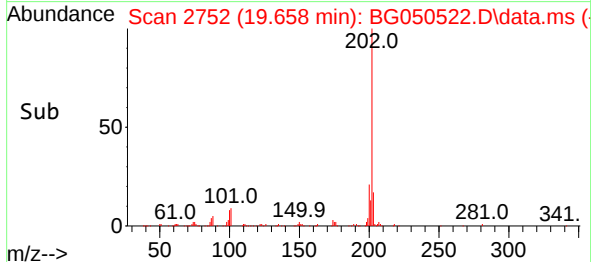
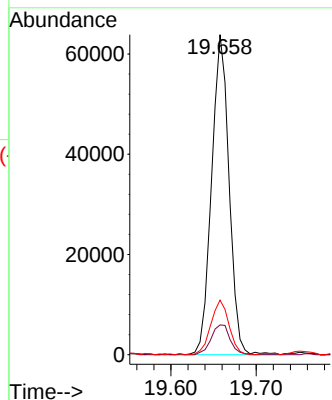
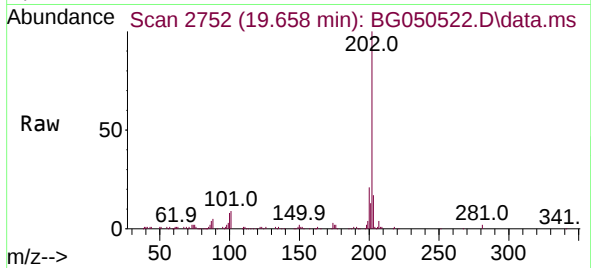




#75
Fluoranthene
Concen: 3.693 ng
RT: 19.658 min Scan# 2752
Delta R.T. -0.004 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

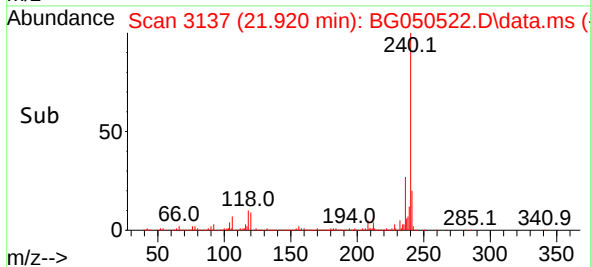
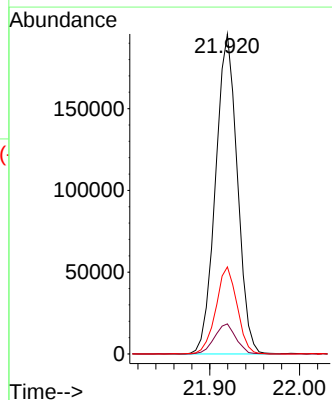
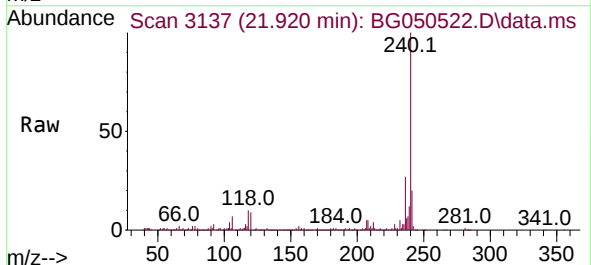
Instrument :
BNA_G
ClientSampleId :
356

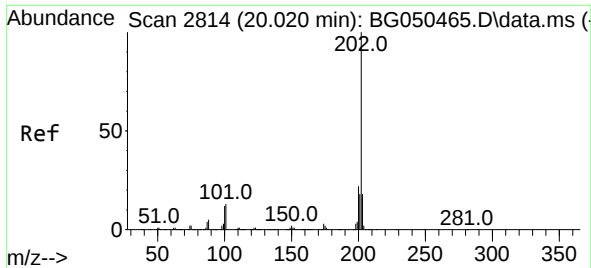
Tgt Ion:202 Resp: 90802
Ion Ratio Lower Upper
202 100
101 9.3 0.0 24.7
203 17.0 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3137
Delta R.T. 0.001 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:240 Resp: 329399
Ion Ratio Lower Upper
240 100
120 9.4 4.2 6.2#
236 27.2 21.8 32.6

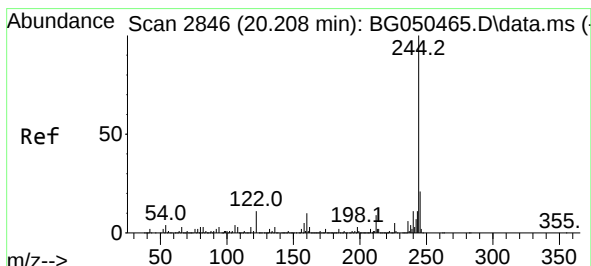
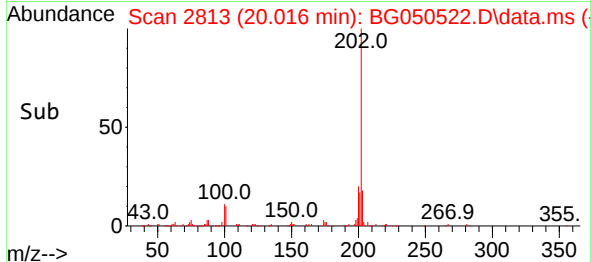
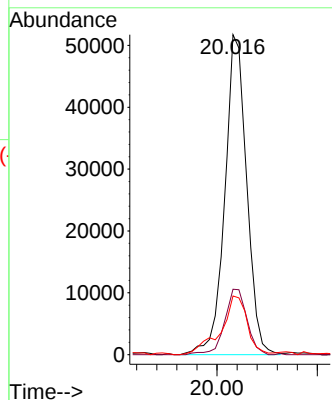
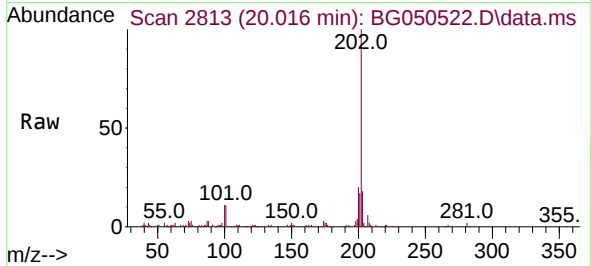




#78
Pyrene
Concen: 3.346 ng
RT: 20.016 min Scan# 2813
Delta R.T. -0.004 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

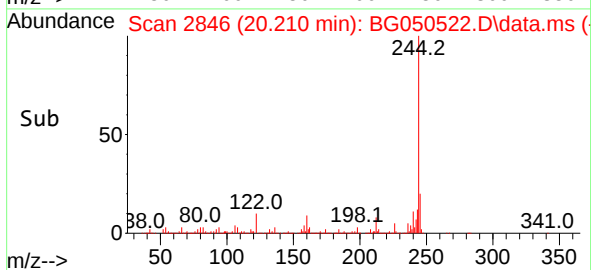
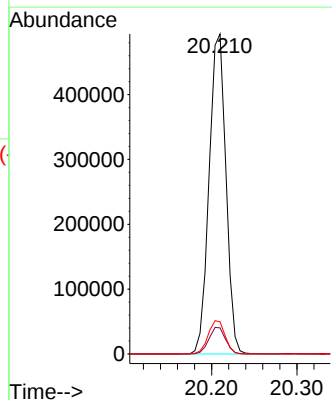
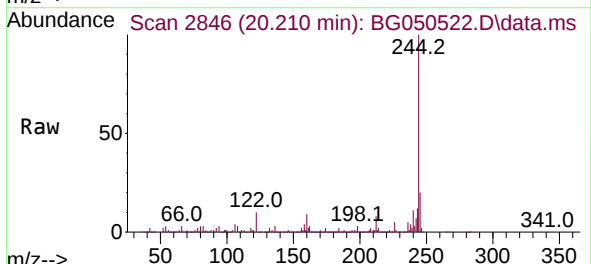
Instrument :
BNA_G
ClientSampled :
356

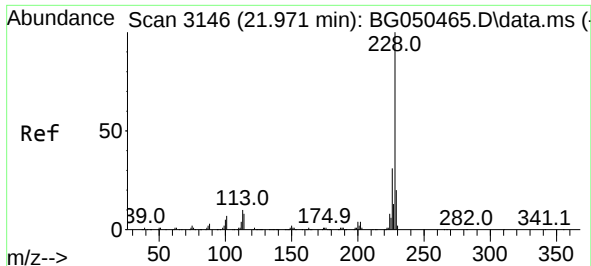
Tgt Ion:202	Resp:	78189
Ion Ratio	Lower	Upper
202	100	
200	20.5	15.8 23.8
203	18.4	14.6 21.8



#79
Terphenyl-d14
Concen: 39.988 ng
RT: 20.210 min Scan# 2846
Delta R.T. 0.001 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:244	Resp:	675891
Ion Ratio	Lower	Upper
244	100	
212	8.2	6.9 10.3
122	10.0	5.0 7.6#

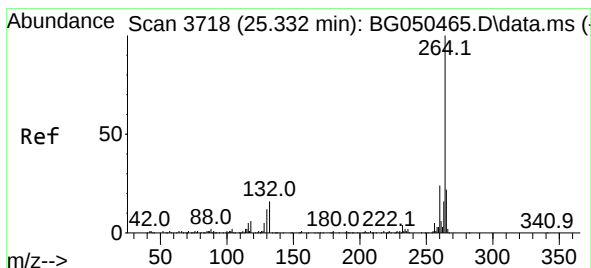
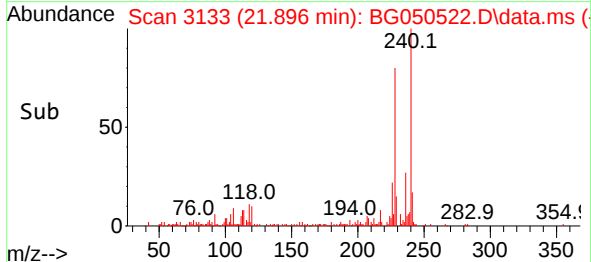
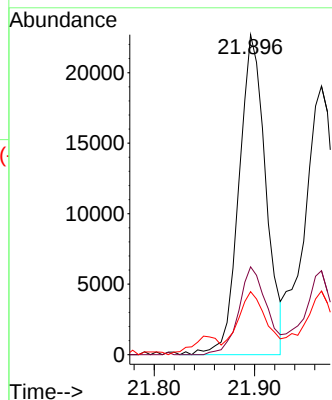
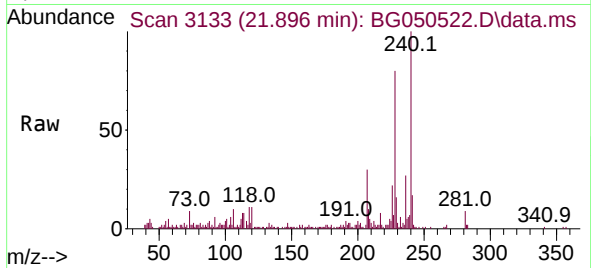




#83
Chrysene
Concen: 2.056 ng
RT: 21.896 min Scan# 3133
Delta R.T. -0.075 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

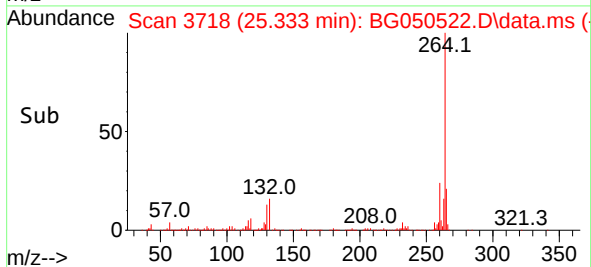
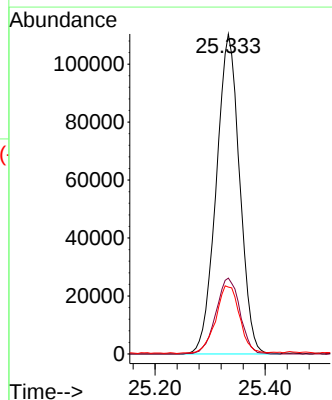
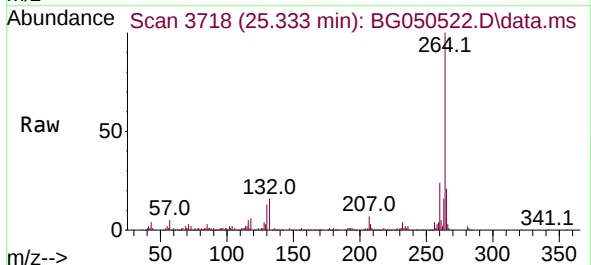
Instrument :
BNA_G
ClientSampleId :
356

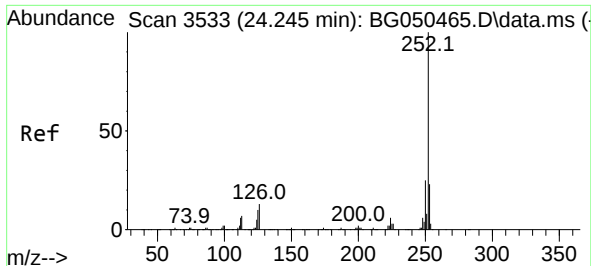
Tgt Ion:228 Resp: 42154
Ion Ratio Lower Upper
228 100
226 27.5 23.1 34.7
229 19.7 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 3718
Delta R.T. 0.001 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:264 Resp: 324884
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 20.9 16.9 25.3

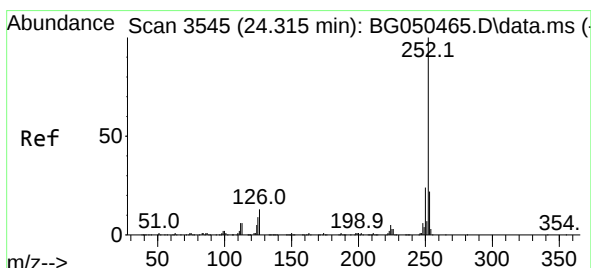
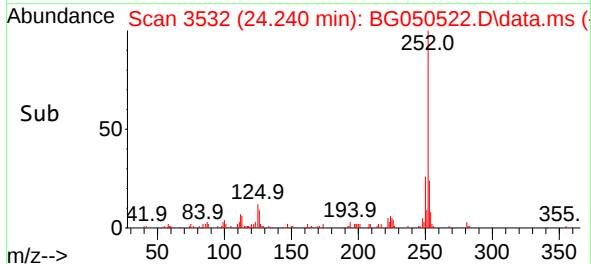
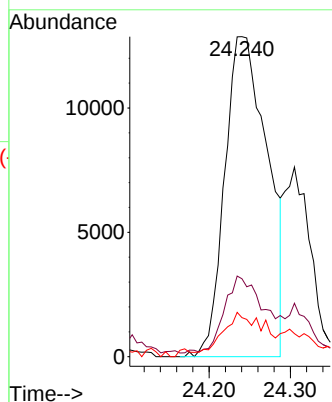
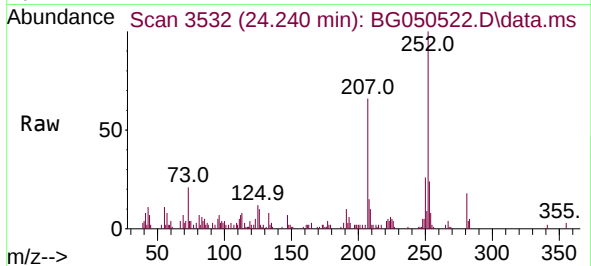




#88
Benzo(b)fluoranthene
Concen: 2.361 ng
RT: 24.240 min Scan# 3532
Delta R.T. -0.004 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Instrument :
BNA_G
ClientSampled :
356

Tgt Ion:252 Resp: 46982
Ion Ratio Lower Upper
252 100
253 24.4 16.2 24.4#
125 12.2 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 2.400 ng
RT: 24.240 min Scan# 3532
Delta R.T. -0.075 min
Lab File: BG050522.D
Acq: 8 Oct 2021 23:47

Tgt Ion:252 Resp: 46982
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 12.2 3.1 4.7#

