

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
 Data File : BG050702.D
 Acq On : 22 Oct 2021 23:46
 Operator : CG/JU
 Sample : M4283-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231

Quant Time: Oct 23 01:46:17 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)

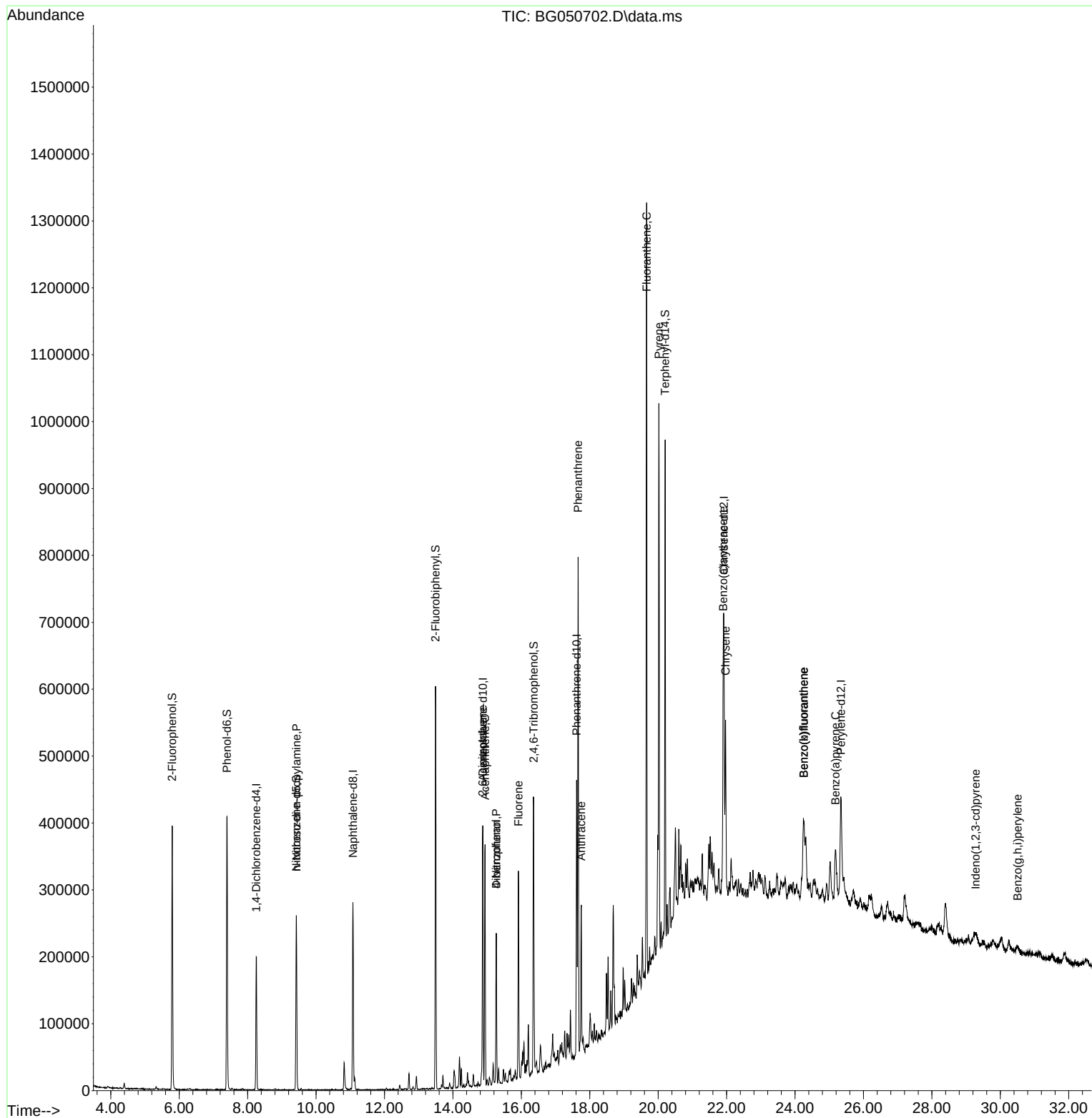
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.252	152	54328	20.000	ng	0.00
21) Naphthalene-d8	11.078	136	228115	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	136243	20.000	ng	0.00
64) Phenanthrene-d10	17.617	188	250317	20.000	ng	# 0.00
76) Chrysene-d12	21.918	240	204907	20.000	ng	# 0.00
86) Perylene-d12	25.344	264	178944	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.796	112	178187	49.051	ng	0.00
7) Phenol-d6	7.394	99	242825	46.169	ng	0.00
23) Nitrobenzene-d5	9.421	82	173039	31.401	ng	0.00
42) 2,4,6-Tribromophenol	16.360	330	53960	41.523	ng	0.00
45) 2-Fluorobiphenyl	13.493	172	298551	32.980	ng	-0.01
79) Terphenyl-d14	20.203	244	320228	30.456	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.388	77	715	Below Cal	#	37
19) n-Nitroso-di-n-propyla...	9.427	70	25609	6.680	ng	# 66
51) 2,6-Dinitrotoluene	14.868	165	19529	9.468	ng	# 12
52) Acenaphthene	14.938	154	125130	15.574	ng	86
55) Dibenzofuran	15.267	168	135189	10.880	ng	98
56) 4-Nitrophenol	15.267	139	54904	27.975	ng	# 1
58) Fluorene	15.914	166	134889	14.133	ng	98
71) Phenanthrene	17.659	178	451379	34.219	ng	98
72) Anthracene	17.753	178	141845	10.821	ng	99
75) Fluoranthene	19.662	202	711611	43.887	ng	95
78) Pyrene	20.021	202	531805	36.580	ng	96
81) Benzo(a)anthracene	21.901	228	192655	14.209	ng	98
83) Chrysene	21.971	228	193793	15.195	ng	94
87) Indeno(1,2,3-cd)pyrene	29.274	276	35006	2.809	ng	# 57
88) Benzo(b)fluoranthene	24.251	252	152961	13.958	ng	# 87
89) Benzo(k)fluoranthene	24.251	252	153157	14.206	ng	# 92
90) Benzo(a)pyrene	25.179	252	97149	10.426	ng	# 90
92) Benzo(g,h,i)perylene	30.502	276	24131	2.390	ng	# 69

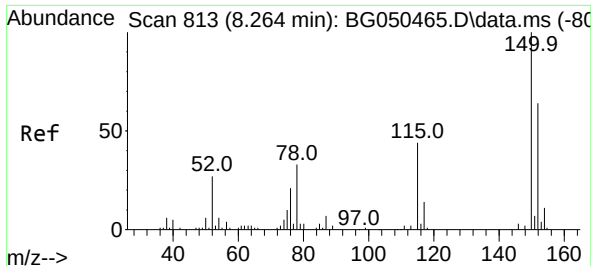
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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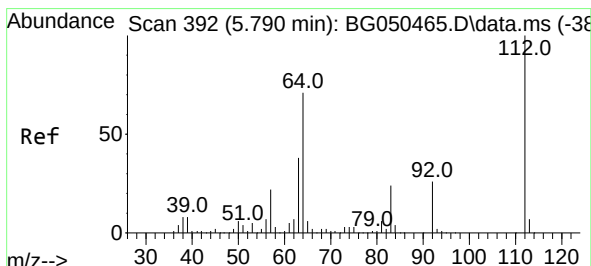
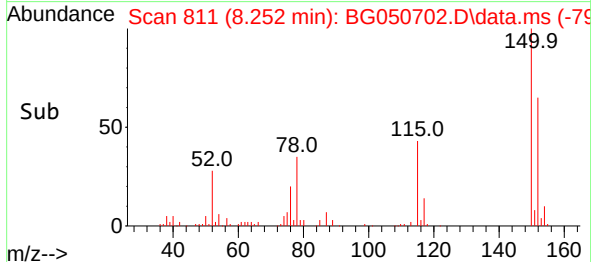
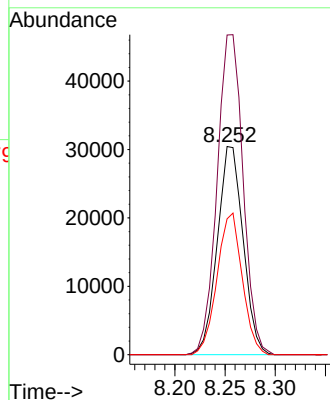
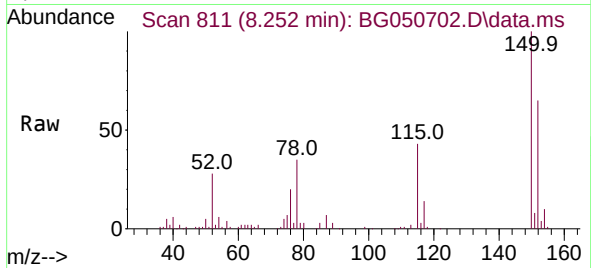




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.252 min Scan# 811
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

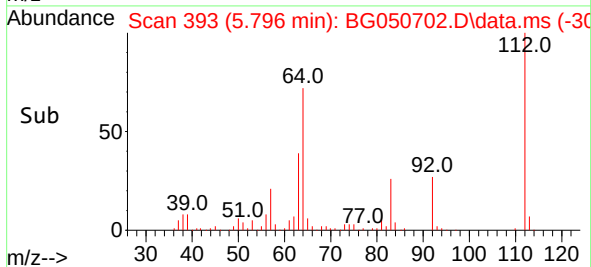
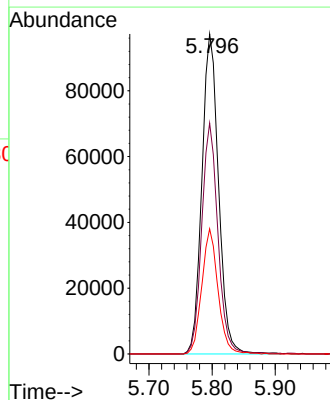
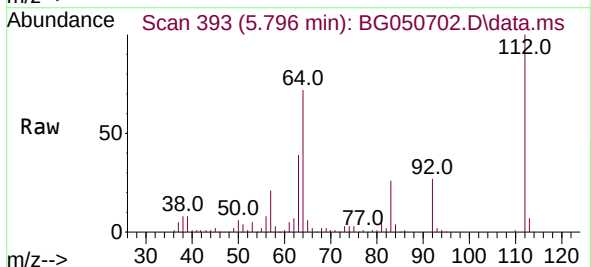
Instrument :
BNA_G
ClientSampleId :
VNJ-231

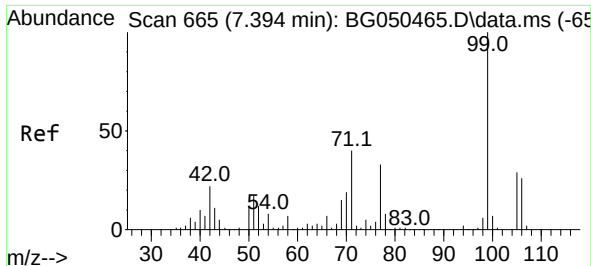
Tgt Ion:152 Resp: 54328
Ion Ratio Lower Upper
152 100
150 153.6 119.4 179.0
115 65.3 60.2 90.4



#5
2-Fluorophenol
Concen: 49.051 ng
RT: 5.796 min Scan# 393
Delta R.T. 0.005 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:112 Resp: 178187
Ion Ratio Lower Upper
112 100
64 72.2 46.7 70.1#
63 39.1 35.3 52.9

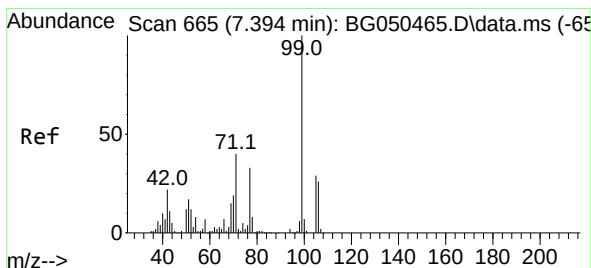
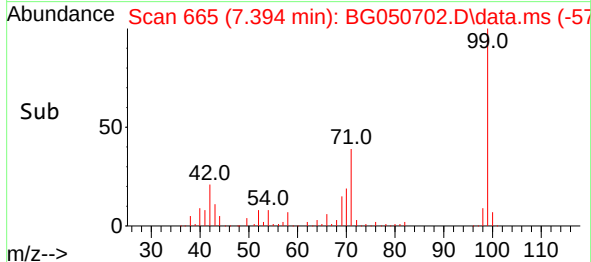
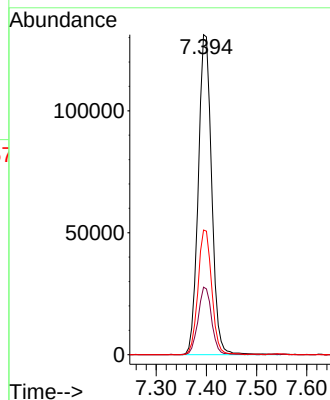
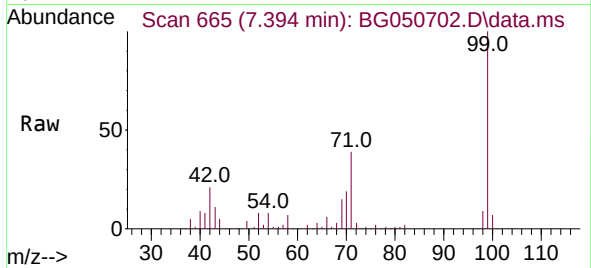




#7
Phenol-d6
Concen: 46.169 ng
RT: 7.394 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

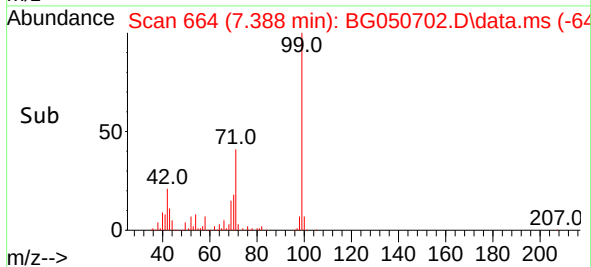
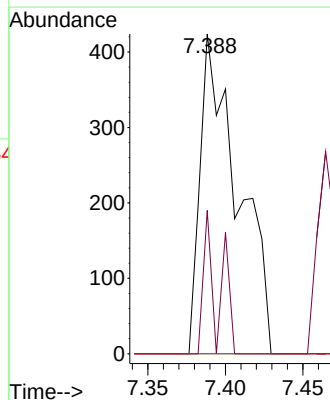
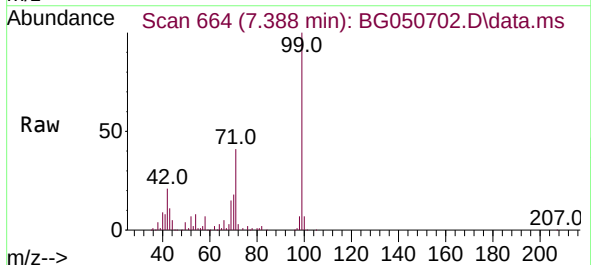
Instrument :
BNA_G
ClientSampleId :
VNJ-231

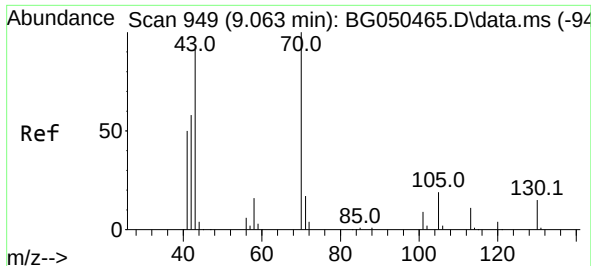
Tgt Ion: 99 Resp: 242825
Ion Ratio Lower Upper
99 100
42 21.1 20.5 30.7
71 38.9 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.388 min Scan# 664
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion: 77 Resp: 715
Ion Ratio Lower Upper
77 100
105 44.8 68.8 108.8#
106 0.0 47.9 87.9#

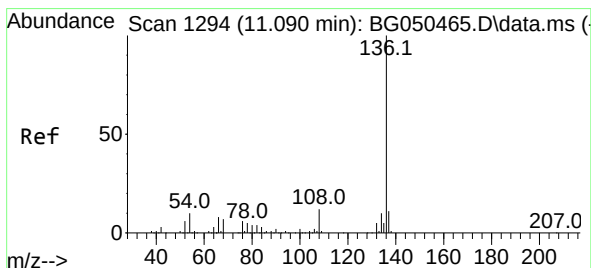
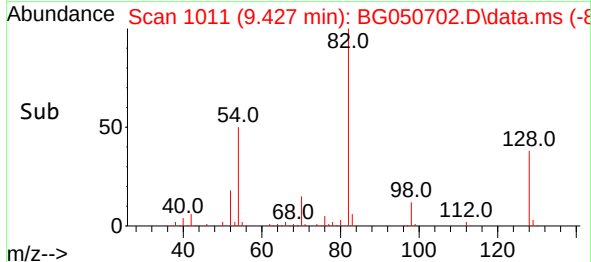
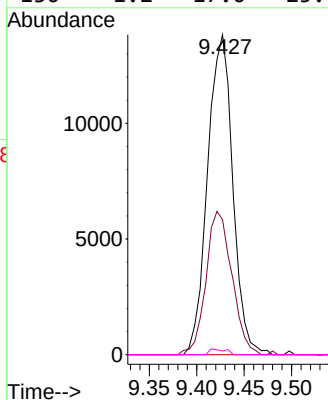
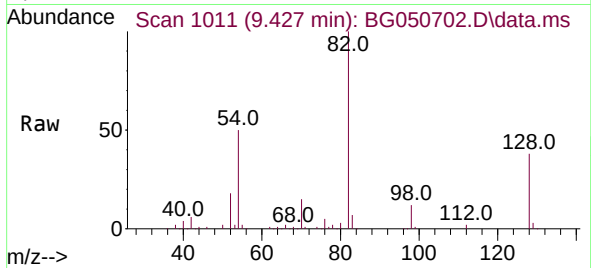




#19
n-Nitroso-di-n-propylamine
Concen: 6.680 ng
RT: 9.427 min Scan# 1011
Delta R.T. 0.370 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

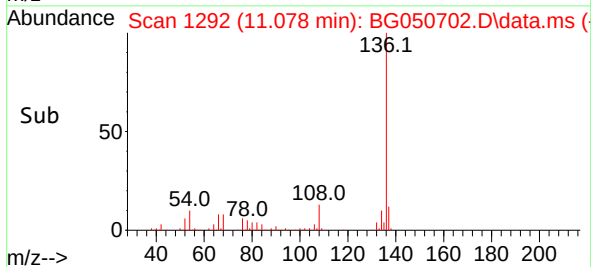
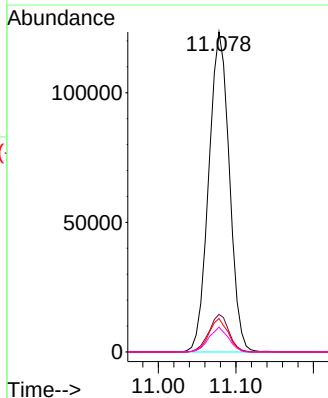
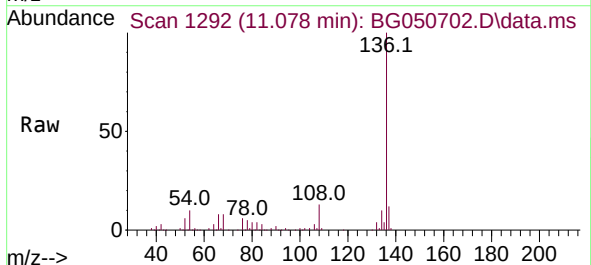
Instrument :
BNA_G
ClientSampleId :
VNJ-231

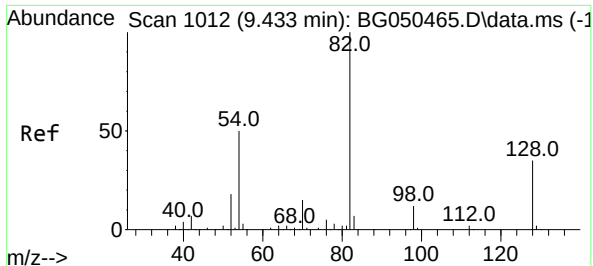
Tgt Ion:	70	Resp:	25609
Ion	Ratio	Lower	Upper
70	100		
42	42.3	54.5	81.7#
101	0.0	9.0	13.6#
130	1.2	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.078 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:	136	Resp:	228115
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.2	12.2
54	10.4	5.5	8.3#
68	7.7	2.3	3.5#

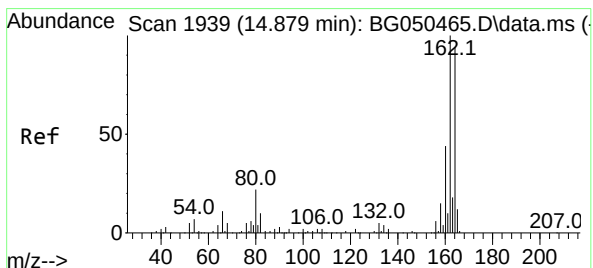
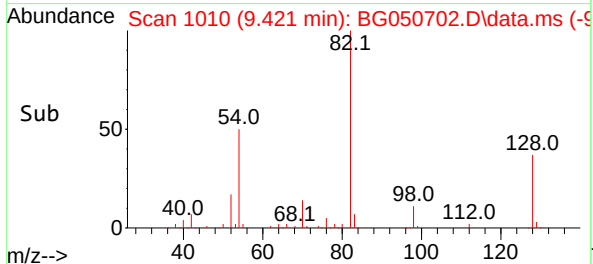
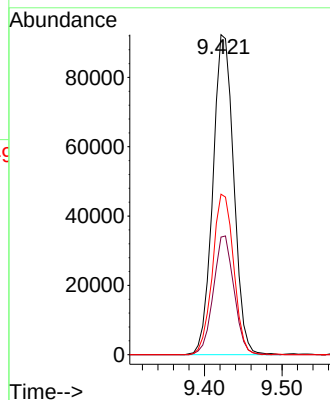
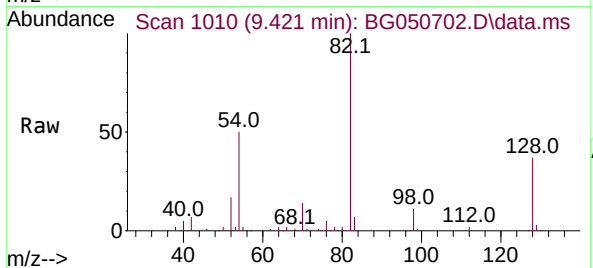




#23
Nitrobenzene-d5
Concen: 31.401 ng
RT: 9.421 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

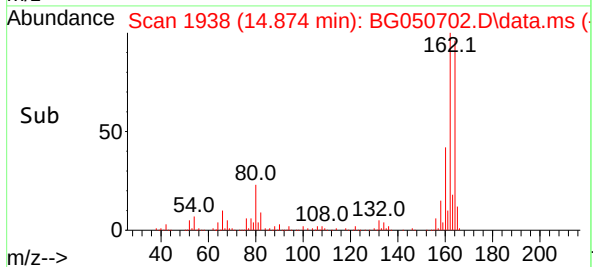
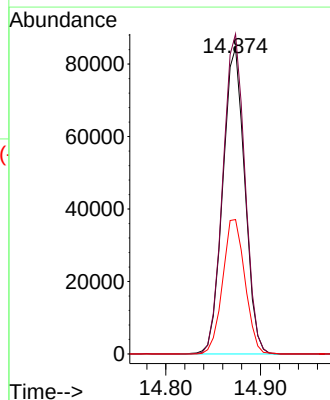
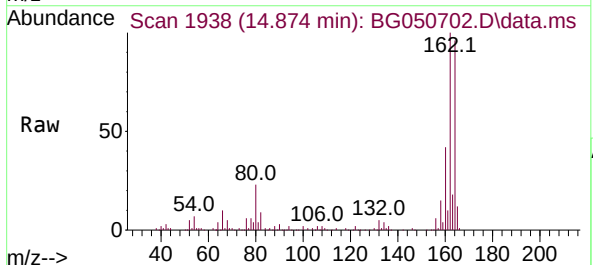
Instrument :
BNA_G
ClientSampleId :
VNJ-231

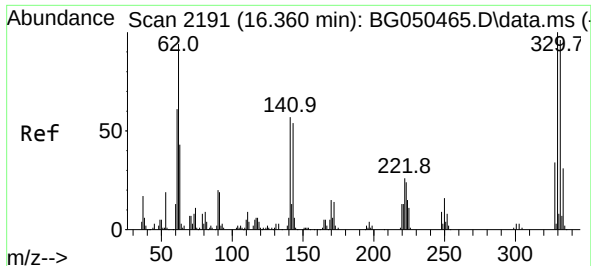
Tgt Ion: 82 Resp: 173039
Ion Ratio Lower Upper
82 100
128 36.7 29.8 44.6
54 50.1 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:164 Resp: 136243
Ion Ratio Lower Upper
164 100
162 104.5 81.4 122.0
160 43.9 34.9 52.3

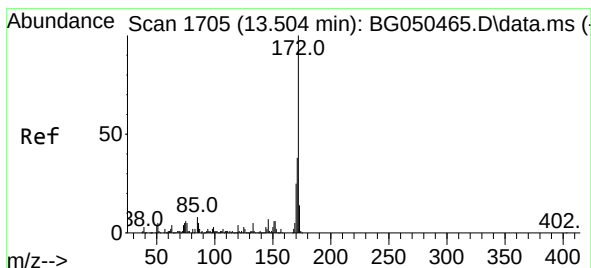
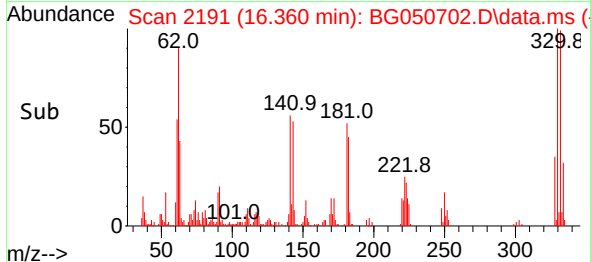
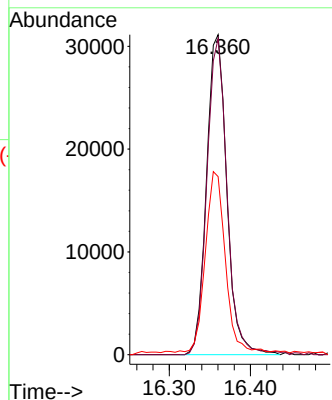
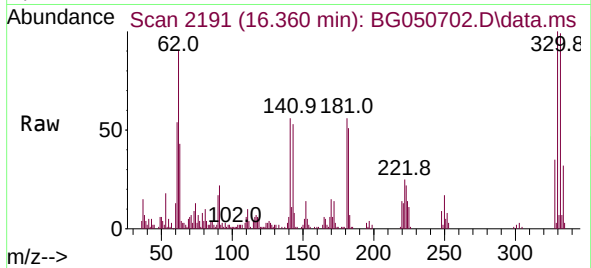




#42
2,4,6-Tribromophenol
Concen: 41.523 ng
RT: 16.360 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

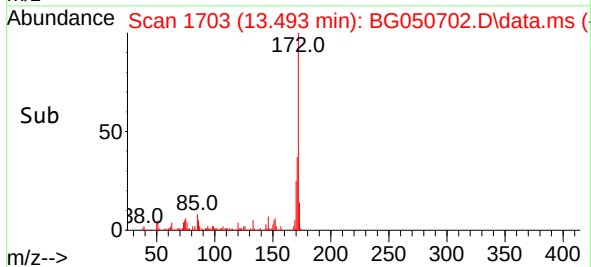
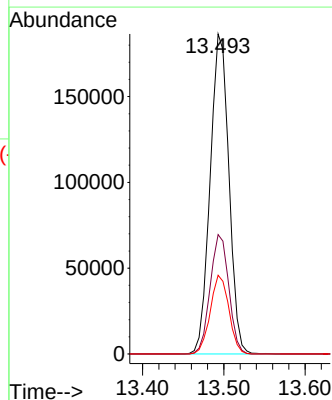
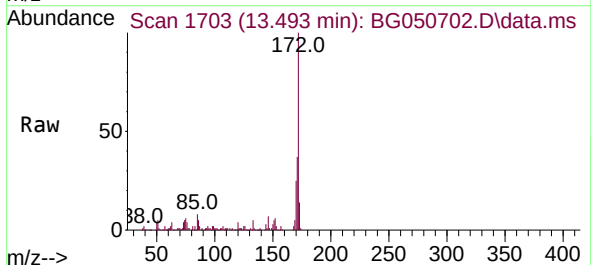
Instrument :
BNA_G
ClientSampleId :
VNJ-231

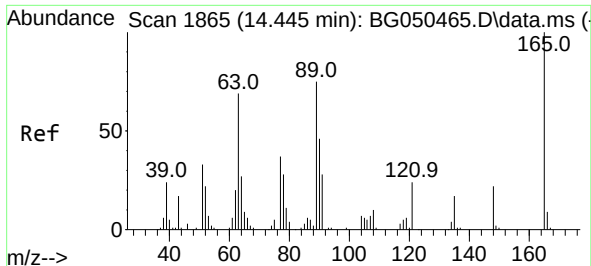
Tgt Ion:330 Resp: 53960
Ion Ratio Lower Upper
330 100
332 98.2 77.3 115.9
141 55.1 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 32.980 ng
RT: 13.493 min Scan# 1703
Delta R.T. -0.012 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:172 Resp: 298551
Ion Ratio Lower Upper
172 100
171 37.3 28.6 43.0
170 24.6 18.6 27.8

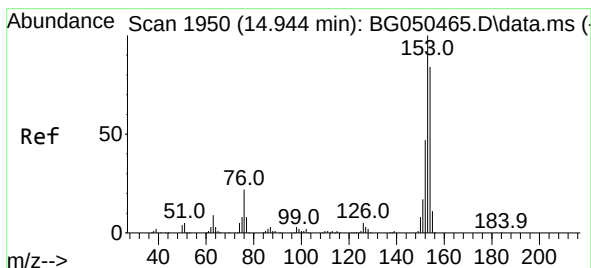
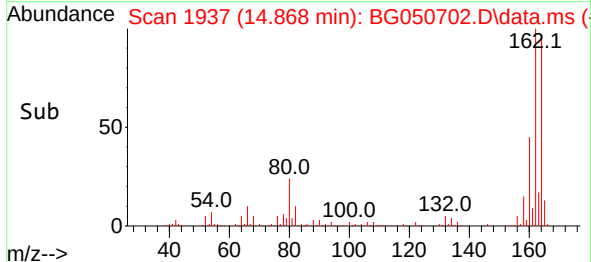
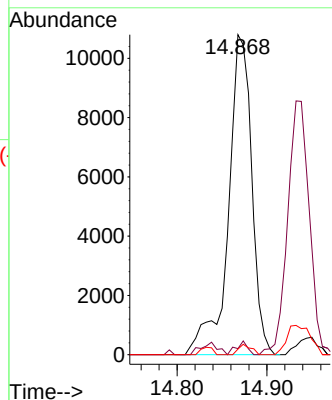
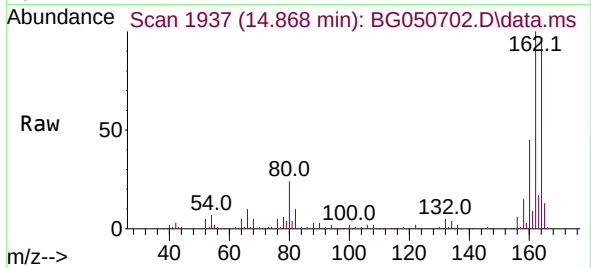




#51
2,6-Dinitrotoluene
Concen: 9.468 ng
RT: 14.868 min Scan# 1937
Delta R.T. 0.423 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

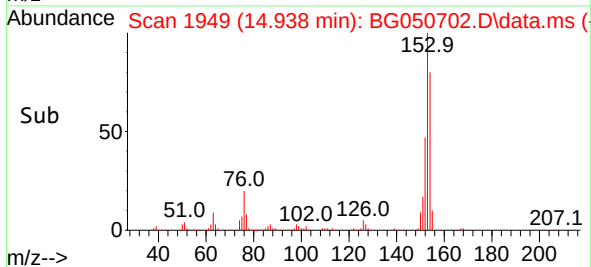
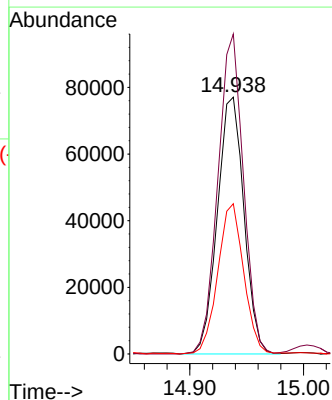
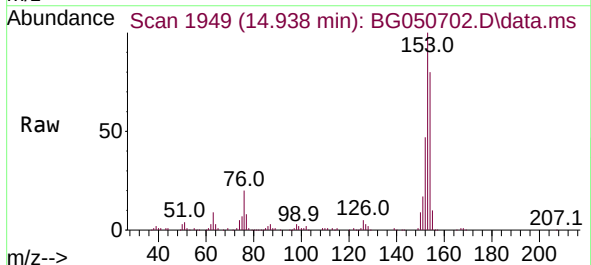
Instrument :
BNA_G
ClientSampled :
VNJ-231

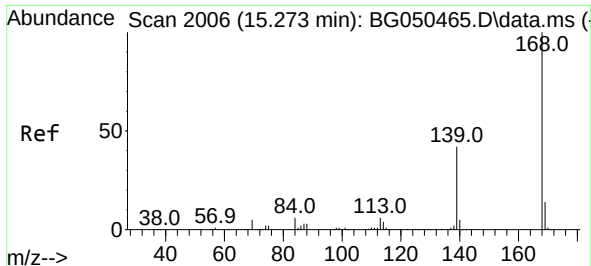
Tgt Ion:165 Resp: 19529
Ion Ratio Lower Upper
165 100
63 1.9 63.3 94.9#
89 1.7 63.4 95.0#



#52
Acenaphthene
Concen: 15.574 ng
RT: 14.938 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:154 Resp: 125130
Ion Ratio Lower Upper
154 100
153 124.6 87.0 130.4
152 58.5 40.1 60.1

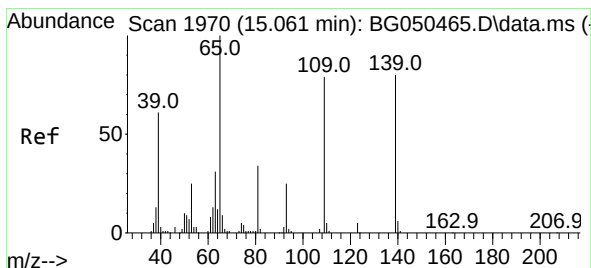
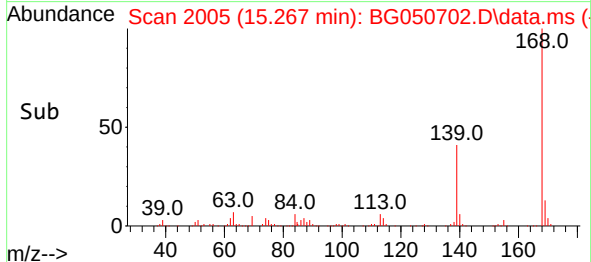
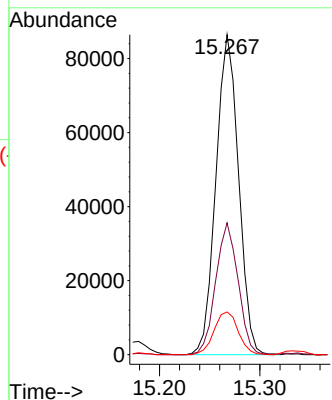
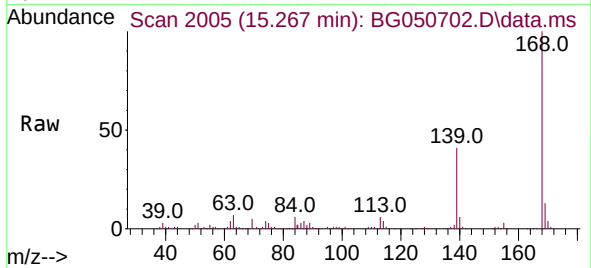




#55
Dibenzofuran
Concen: 10.880 ng
RT: 15.267 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

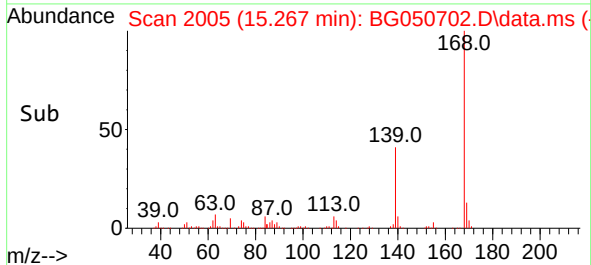
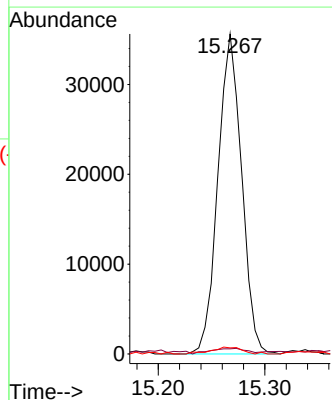
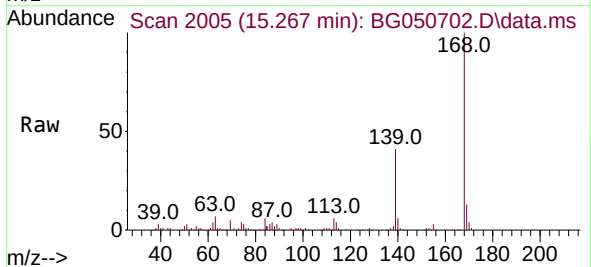
Instrument :
BNA_G
ClientSampleId :
VNJ-231

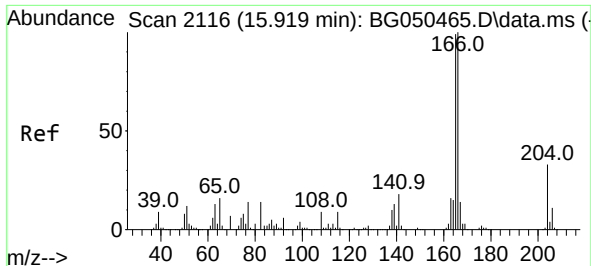
Tgt Ion:168 Resp: 135189
Ion Ratio Lower Upper
168 100
139 41.2 33.4 50.2
169 13.3 12.3 18.5



#56
4-Nitrophenol
Concen: 27.975 ng
RT: 15.267 min Scan# 2005
Delta R.T. 0.199 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:139 Resp: 54904
Ion Ratio Lower Upper
139 100
109 1.6 116.3 156.3#
65 1.9 105.0 145.0#

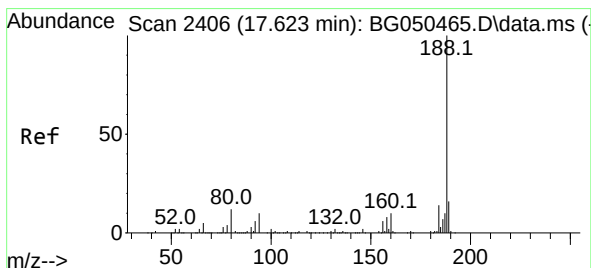
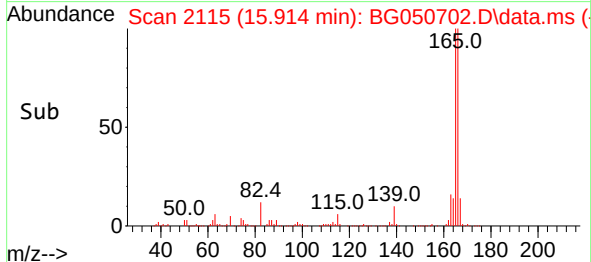
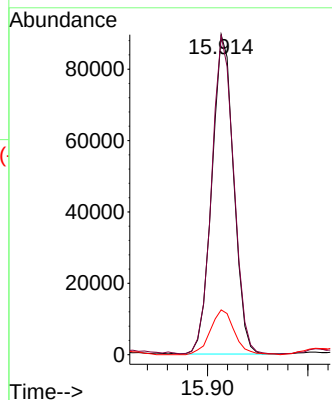
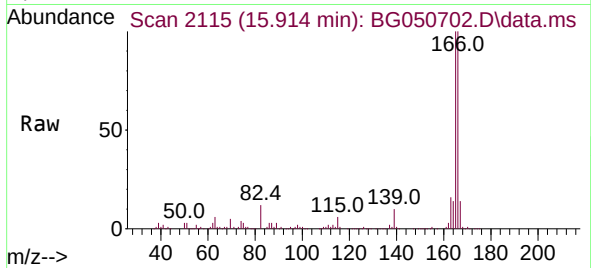




#58
Fluorene
Concen: 14.133 ng
RT: 15.914 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

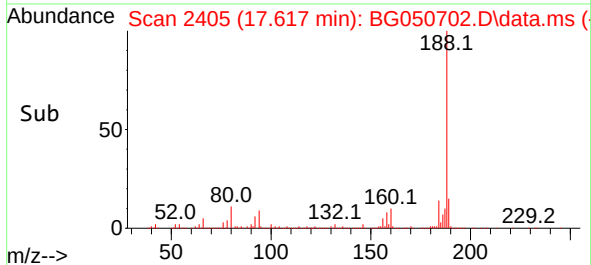
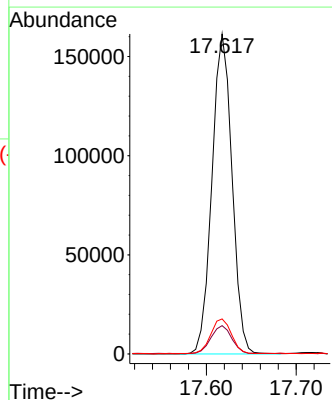
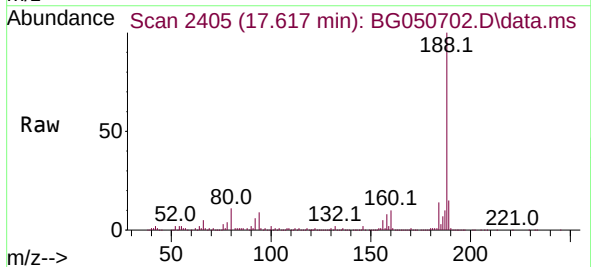
Instrument :
BNA_G
ClientSampleId :
VNJ-231

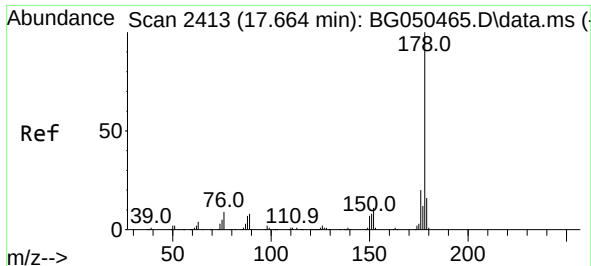
Tgt Ion:166 Resp: 134889
Ion Ratio Lower Upper
166 100
165 99.7 77.7 116.5
167 14.0 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.617 min Scan# 2405
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:188 Resp: 250317
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0#
80 10.9 3.7 5.5#

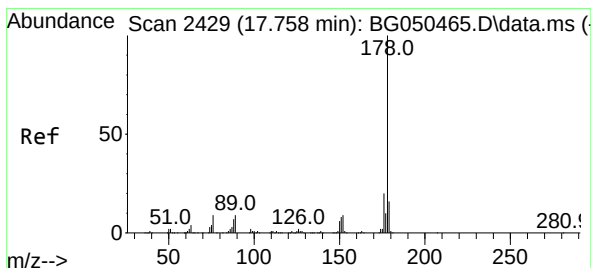
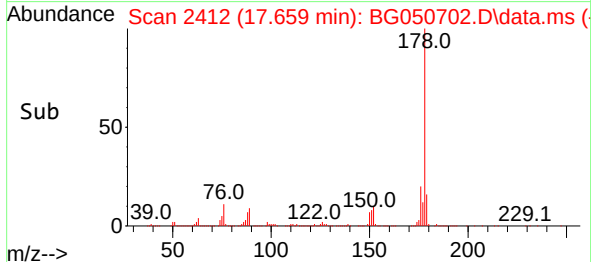
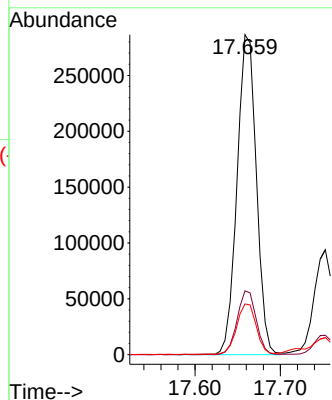
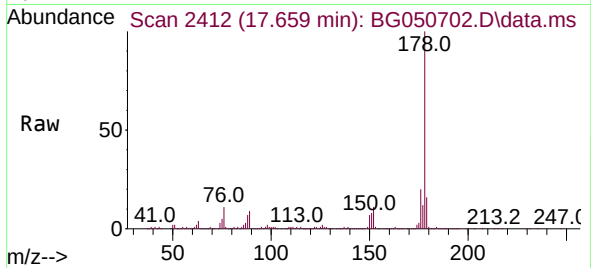




#71
Phenanthrene
Concen: 34.219 ng
RT: 17.659 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

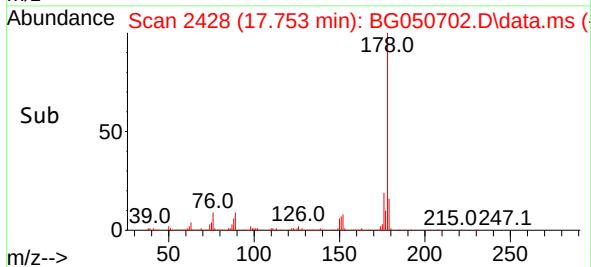
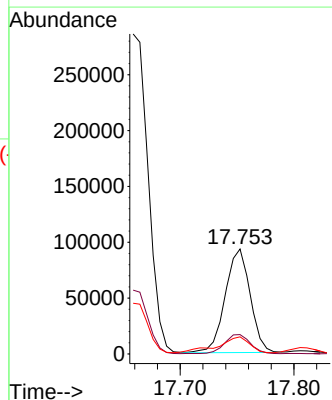
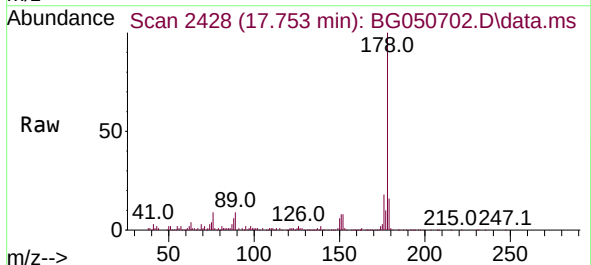
Instrument :
BNA_G
ClientSampleId :
VNJ-231

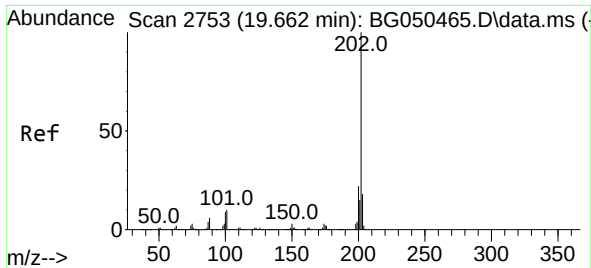
Tgt Ion:178 Resp: 451379
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.9 14.2 21.4



#72
Anthracene
Concen: 10.821 ng
RT: 17.753 min Scan# 2428
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:178 Resp: 141845
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 16.3 13.4 20.0

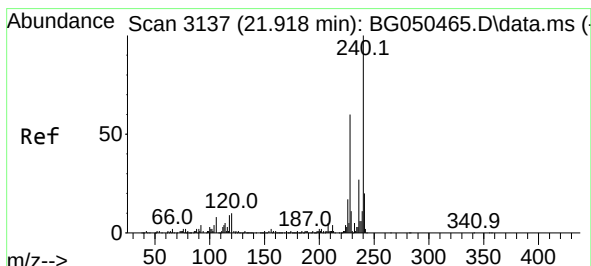
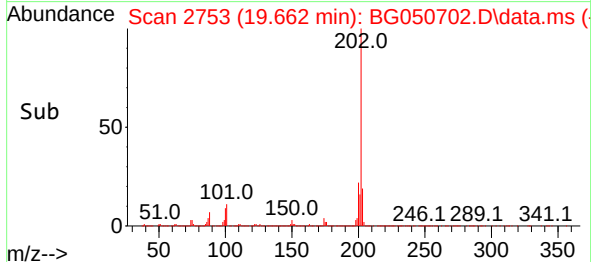
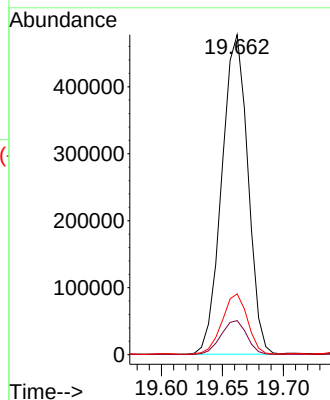
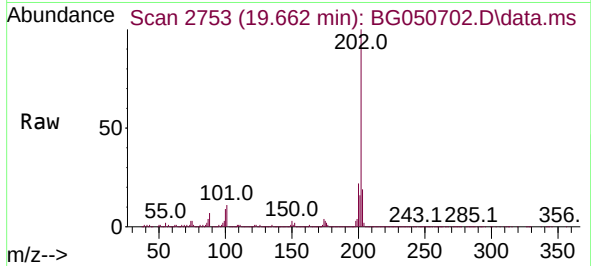




#75
Fluoranthene
Concen: 43.887 ng
RT: 19.662 min Scan# 2753
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

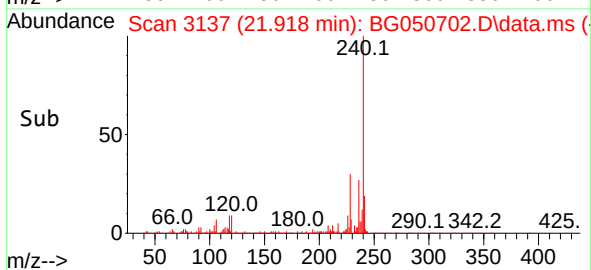
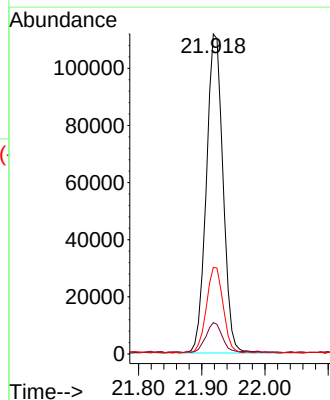
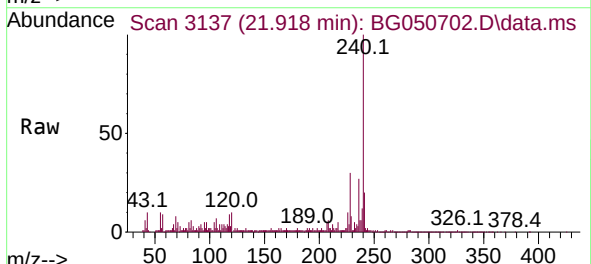
Instrument :
BNA_G
ClientSampleId :
VNJ-231

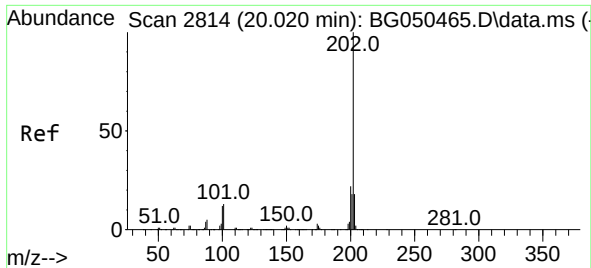
Tgt Ion:	202	Resp:	711611
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	24.7
203	19.0	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.918 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:	240	Resp:	204907
Ion Ratio	Lower	Upper	
240	100		
120	9.8	4.2	6.2#
236	27.1	21.8	32.6

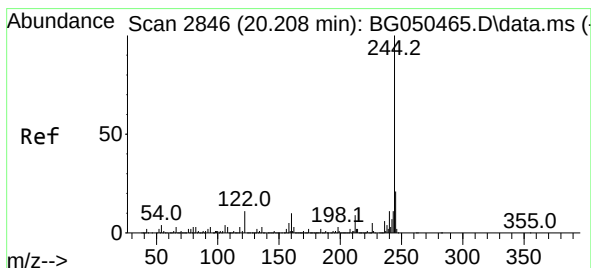
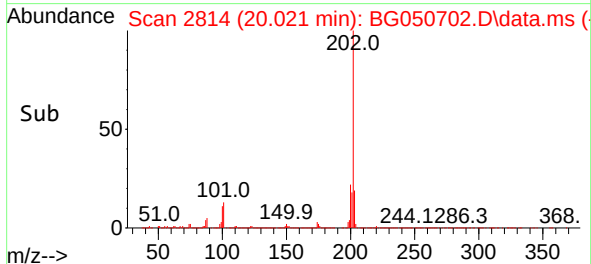
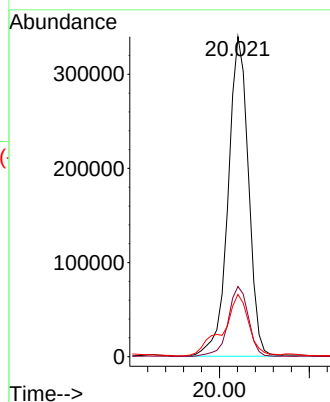
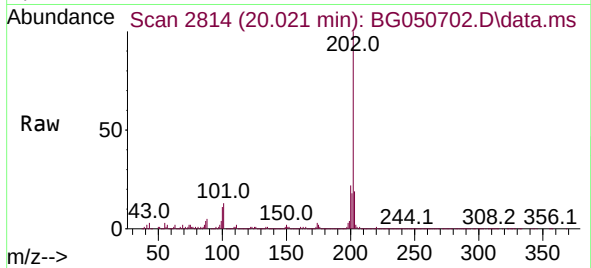




#78
Pyrene
Concen: 36.580 ng
RT: 20.021 min Scan# 2814
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

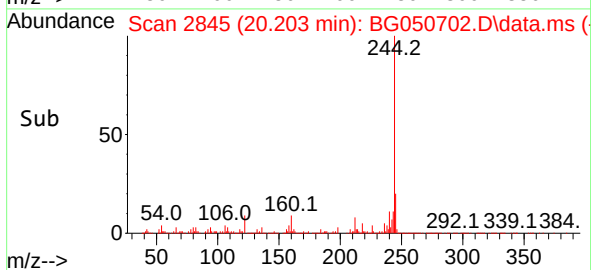
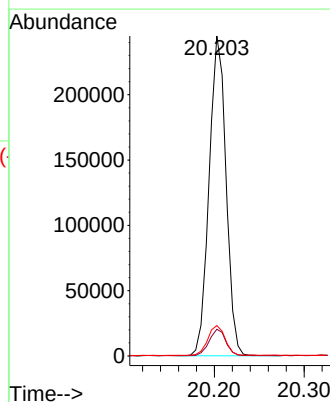
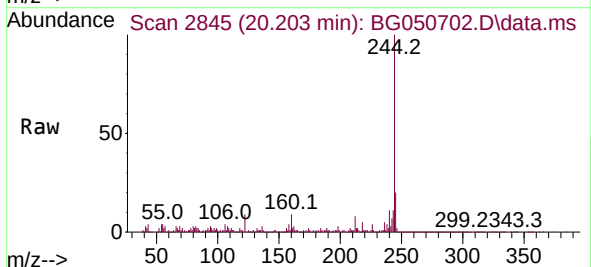
Instrument :
BNA_G
ClientSampleId :
VNJ-231

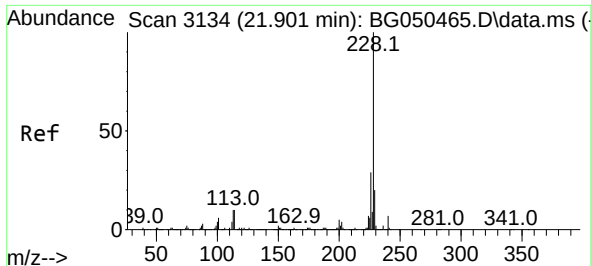
Tgt Ion:	202	Resp:	531805
Ion Ratio	Lower	Upper	
202	100		
200	21.9	15.8	23.8
203	19.5	14.6	21.8



#79
Terphenyl-d14
Concen: 30.456 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:	244	Resp:	320228
Ion Ratio	Lower	Upper	
244	100		
212	8.4	6.9	10.3
122	9.5	5.0	7.6#

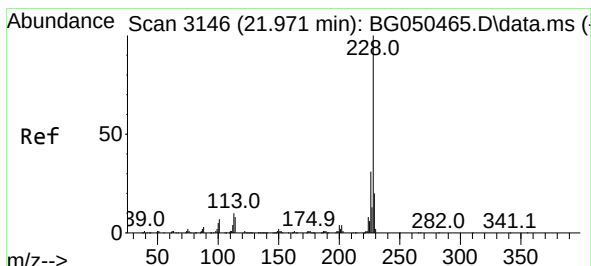
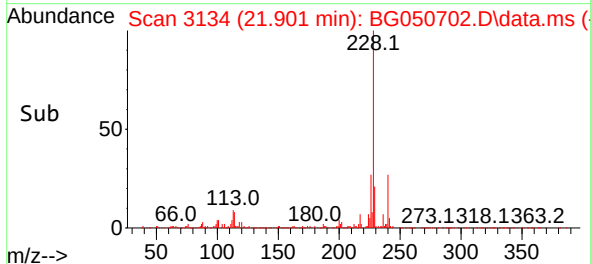
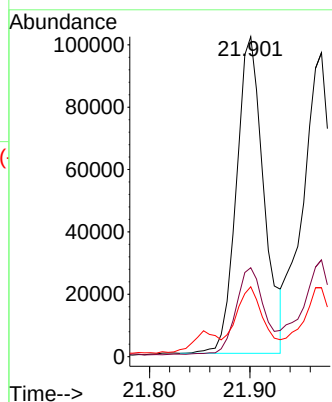
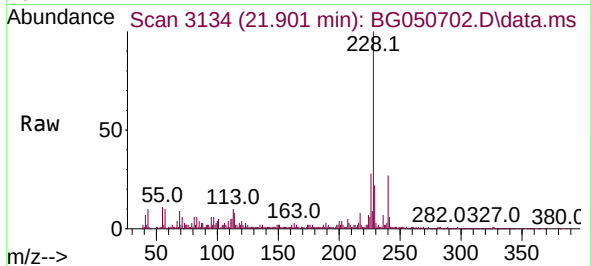




#81
Benzo(a)anthracene
Concen: 14.209 ng
RT: 21.901 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

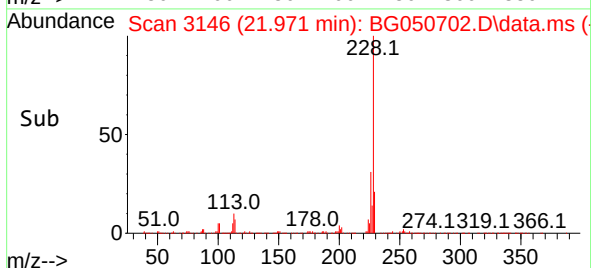
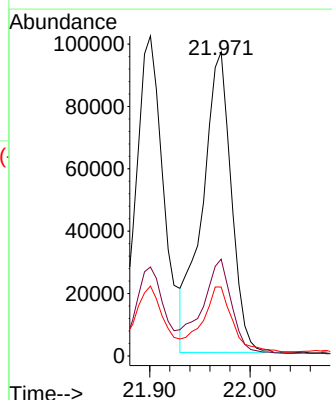
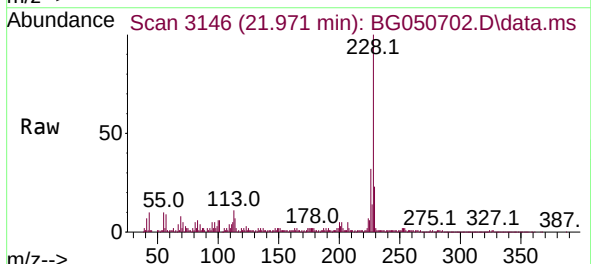
Instrument :
BNA_G
ClientSampleId :
VNJ-231

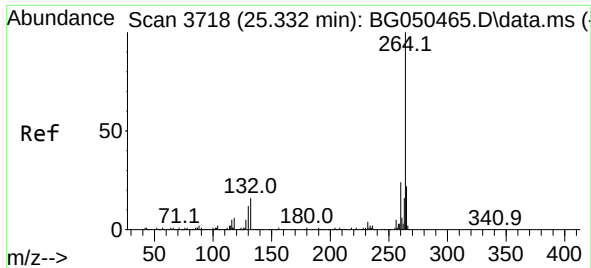
Tgt Ion:228 Resp: 192655
Ion Ratio Lower Upper
228 100
226 27.8 22.7 34.1
229 21.8 16.0 24.0



#83
Chrysene
Concen: 15.195 ng
RT: 21.971 min Scan# 3146
Delta R.T. -0.000 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:228 Resp: 193793
Ion Ratio Lower Upper
228 100
226 31.8 23.1 34.7
229 22.7 15.3 22.9



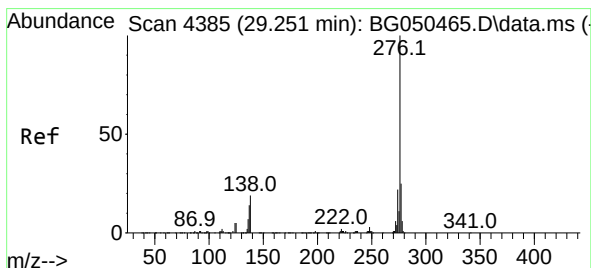
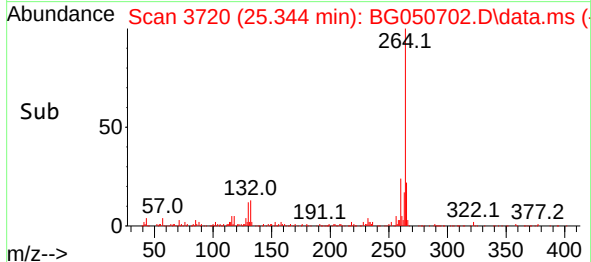
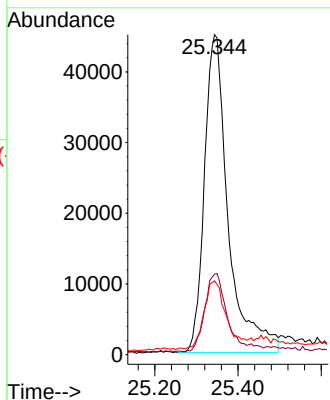
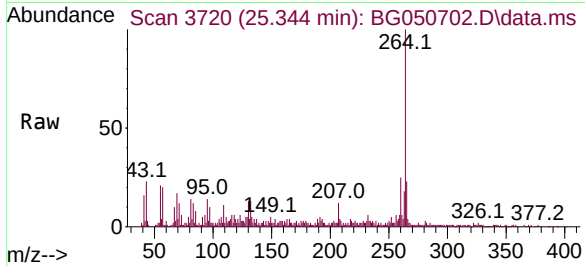


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 3720
Delta R.T. 0.011 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Tgt Ion:264 Resp: 178944

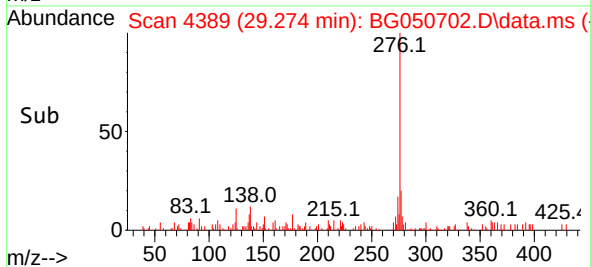
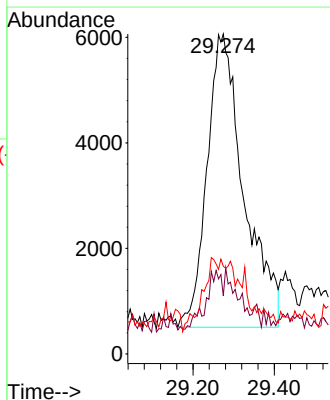
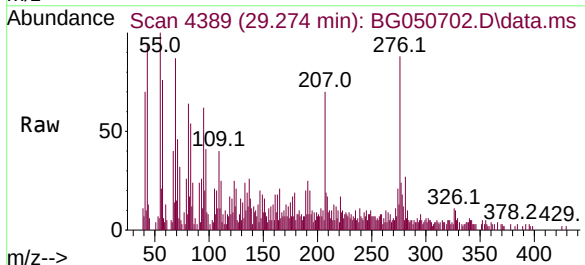
Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	23.1	16.9	25.3

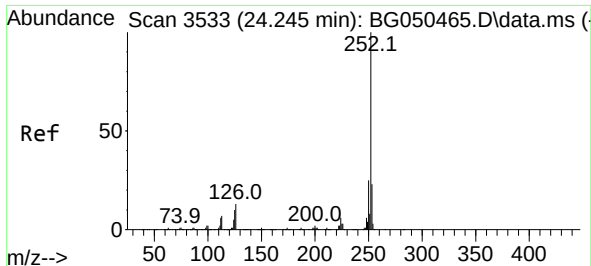


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.809 ng
RT: 29.274 min Scan# 4389
Delta R.T. 0.011 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:276 Resp: 35006

Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.1	7.7#
277	0.0	19.8	29.6#

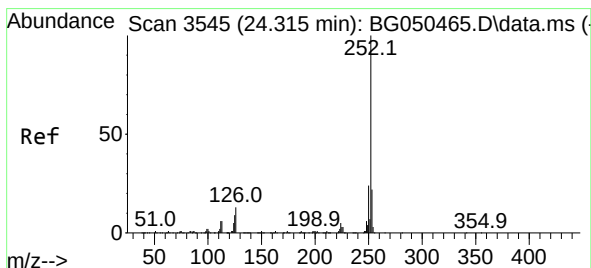
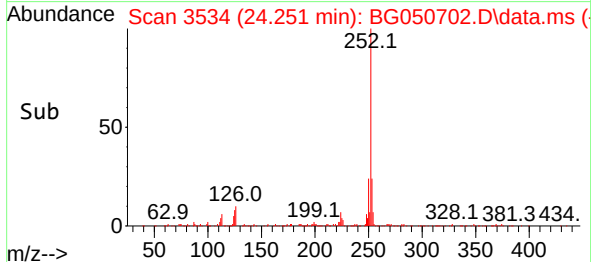
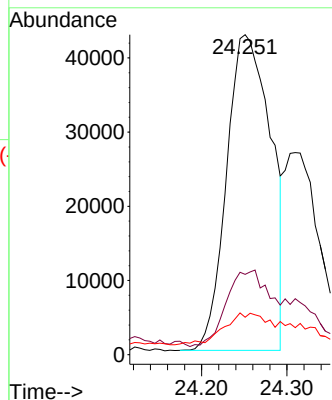
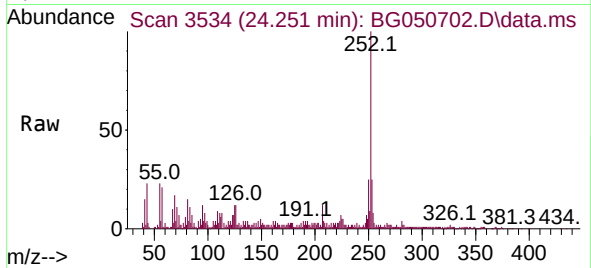




#88
Benzo(b)fluoranthene
Concen: 13.958 ng
RT: 24.251 min Scan# 3534
Delta R.T. 0.005 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

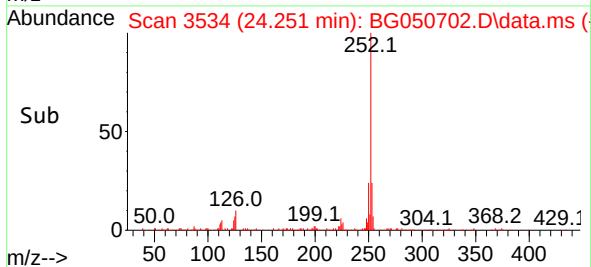
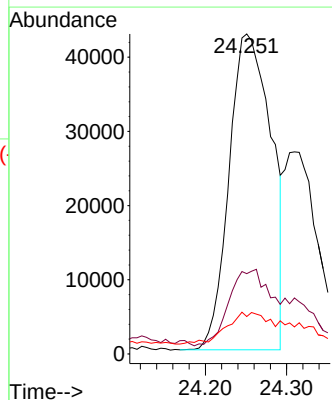
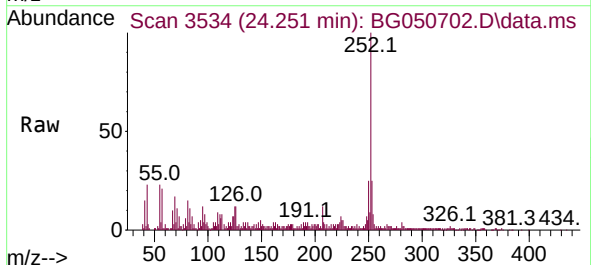
Instrument :
BNA_G
ClientSampled :
VNJ-231

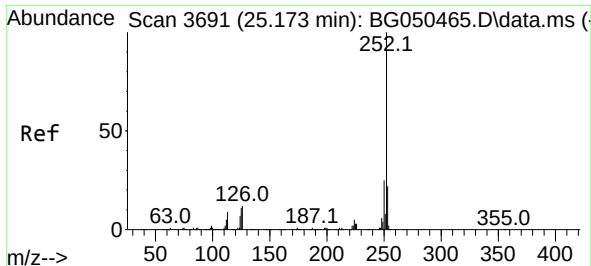
Tgt Ion:252 Resp: 152961
Ion Ratio Lower Upper
252 100
253 25.1 16.2 24.4#
125 11.7 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 14.206 ng
RT: 24.251 min Scan# 3534
Delta R.T. -0.065 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:252 Resp: 153157
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 11.7 3.1 4.7#

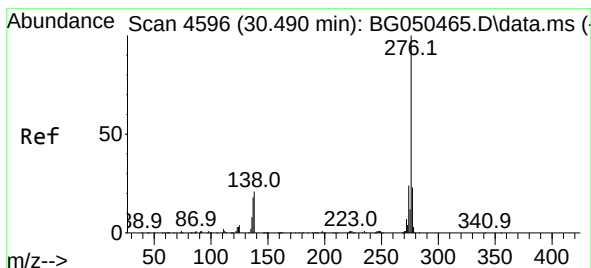
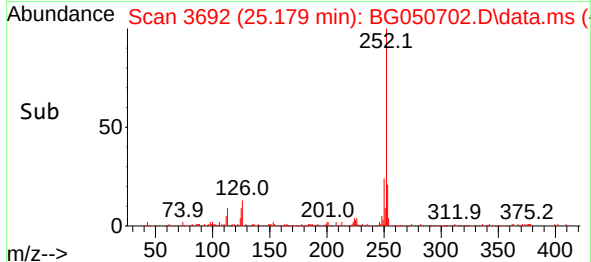
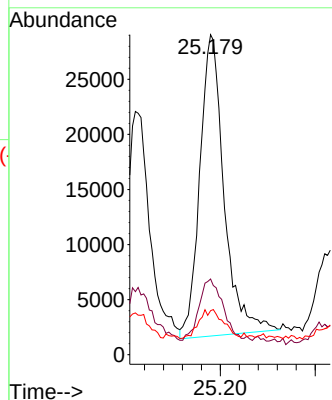
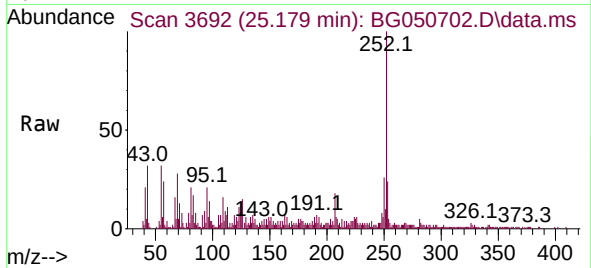




#90
Benzo(a)pyrene
Concen: 10.426 ng
RT: 25.179 min Scan# 3692
Delta R.T. 0.005 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Instrument :
BNA_G
ClientSampled :
VNJ-231

Tgt Ion:252 Resp: 97149
Ion Ratio Lower Upper
252 100
253 23.7 16.6 25.0
125 13.7 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 2.390 ng
RT: 30.502 min Scan# 4598
Delta R.T. 0.005 min
Lab File: BG050702.D
Acq: 22 Oct 2021 23:46

Tgt Ion:276 Resp: 24131
Ion Ratio Lower Upper
276 100
277 33.7 18.4 27.6#
138 28.0 7.0 10.6#

