

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049882.D
 Acq On : 17 Aug 2021 17:49
 Operator : CG/JU
 Sample : M3431-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 7

Quant Time: Aug 18 05:43:01 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

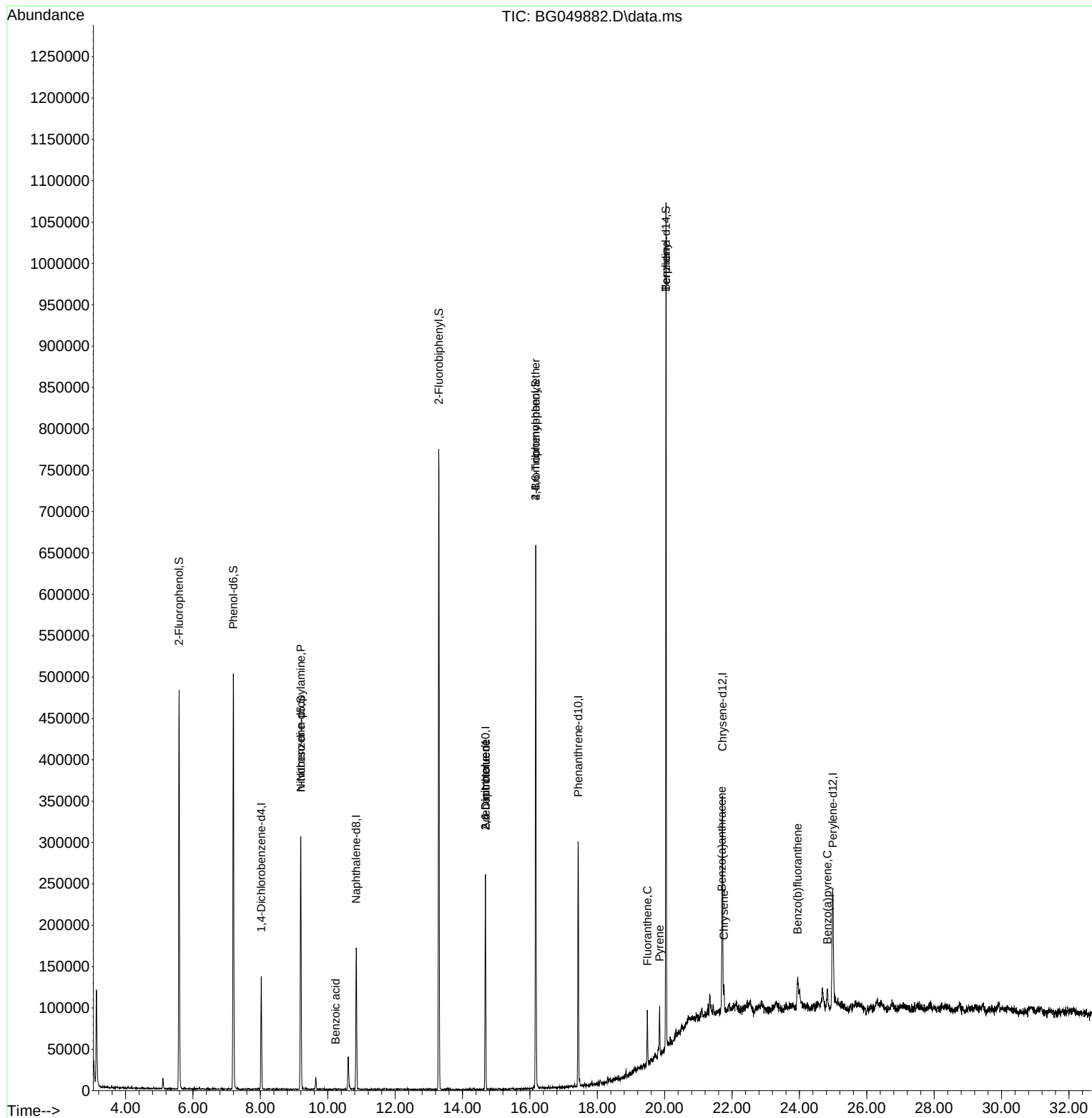
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.026	152	35715	20.000	ng	0.00
21) Naphthalene-d8	10.845	136	142065	20.000	ng	0.00
39) Acenaphthene-d10	14.681	164	94464	20.000	ng	0.00
64) Phenanthrene-d10	17.431	188	181186	20.000	ng	0.00
76) Chrysene-d12	21.713	240	155533	20.000	ng	# 0.00
86) Perylene-d12	24.991	264	162583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.588	112	200658	100.714	ng	0.00
7) Phenol-d6	7.197	99	274490	91.014	ng	0.00
23) Nitrobenzene-d5	9.201	82	194341	60.534	ng	0.00
42) 2,4,6-Tribromophenol	16.174	330	128087	92.249	ng	0.00
45) 2-Fluorobiphenyl	13.295	172	394836	60.819	ng	0.00
79) Terphenyl-d14	20.039	244	471077	55.009	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.201	70	30433	15.079	ng	# 66
32) Benzoic acid	10.235	122	61	4.987	ng	# 1
51) 2,6-Dinitrotoluene	14.681	165	11556	7.364	ng	# 12
57) 2,4-Dinitrotoluene	14.681	165	11556	5.243	ng	# 17
67) 4-Bromophenyl-phenylether	16.174	248	8049	3.772	ng	# 1
75) Fluoranthene	19.487	202	41288	3.520	ng	96
77) Benzidine	20.039	184	10947	2.747	ng	98
78) Pyrene	19.851	202	36678	3.459	ng	95
81) Benzo(a)anthracene	21.695	228	22898	2.261	ng	95
83) Chrysene	21.760	228	30111	3.110	ng	98
88) Benzo(b)fluoranthene	23.945	252	49282	4.622	ng	# 98
90) Benzo(a)pyrene	24.832	252	25900	2.684	ng	# 86

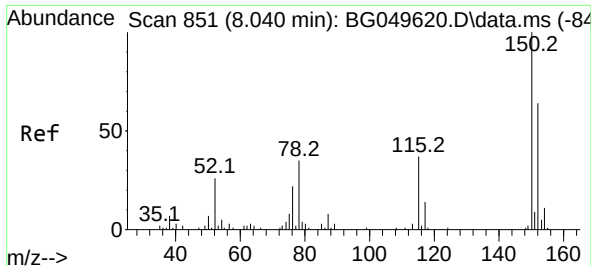
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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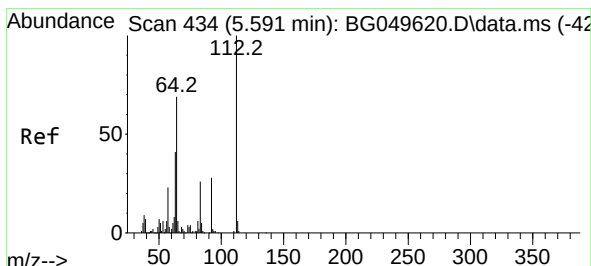
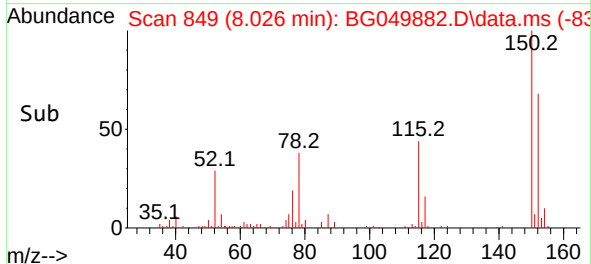
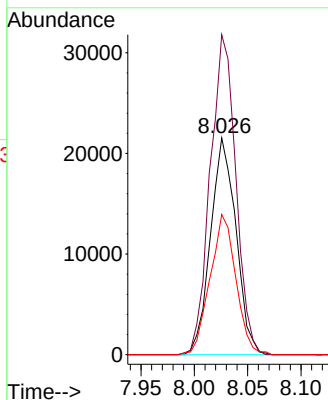
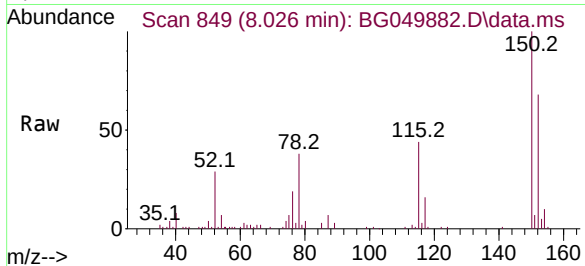




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.026 min Scan# 849
Delta R.T. -0.002 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

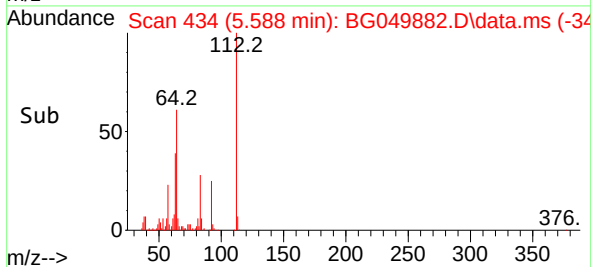
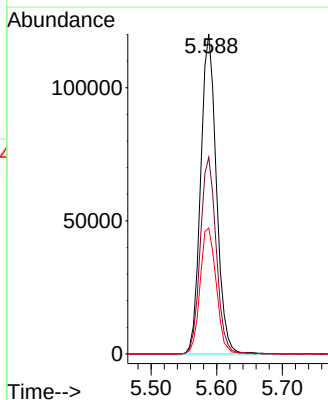
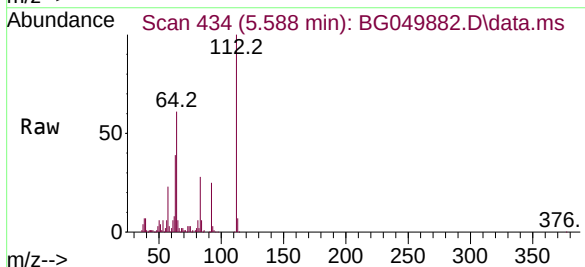
Instrument :
BNA_G
ClientSampleId :
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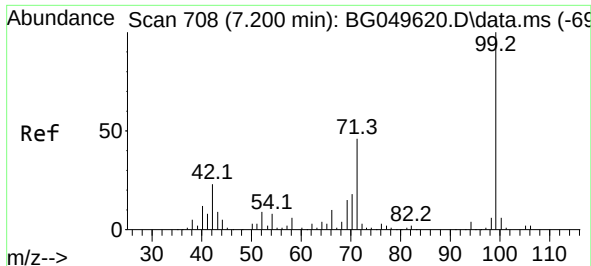
Tgt Ion:152 Resp: 35715
Ion Ratio Lower Upper
152 100
150 147.6 119.4 179.0
115 64.6 60.2 90.4



#5
2-Fluorophenol
Concen: 100.714 ng
RT: 5.588 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion:112 Resp: 200658
Ion Ratio Lower Upper
112 100
64 61.5 46.7 70.1
63 39.3 35.3 52.9

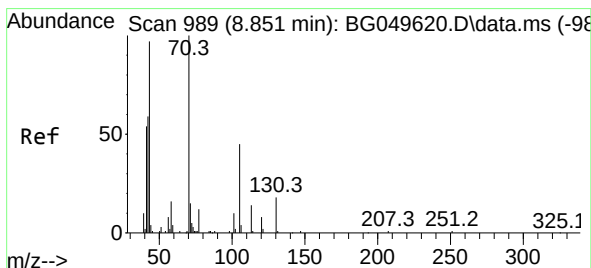
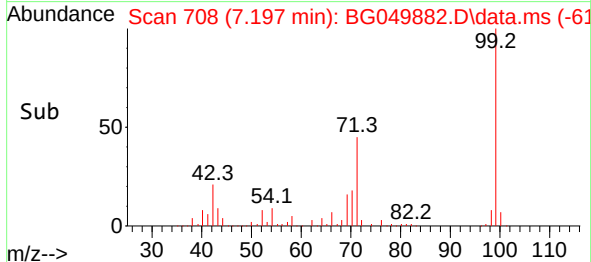
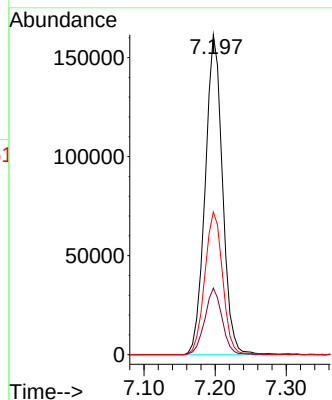
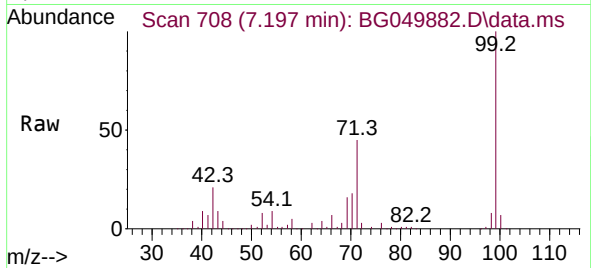




#7
Phenol-d6
Concen: 91.014 ng
RT: 7.197 min Scan# 708
Delta R.T. 0.004 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

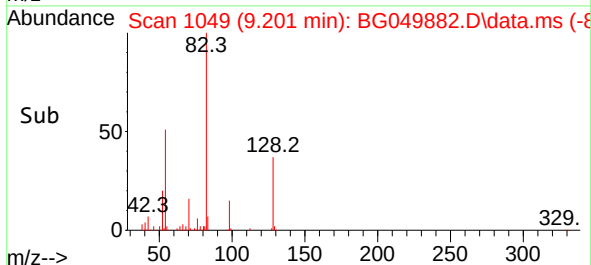
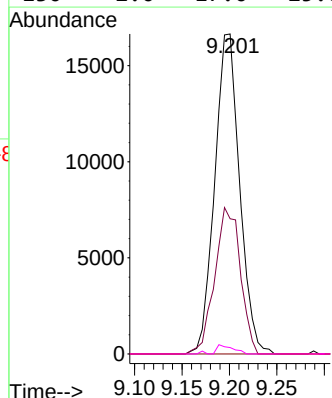
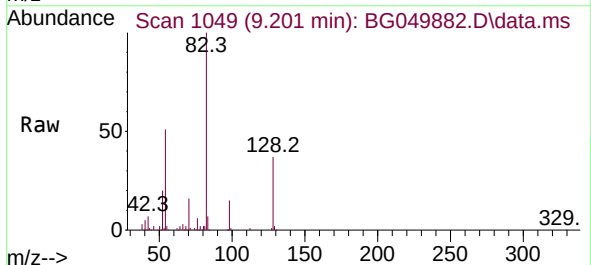
Instrument :
BNA_G
ClientSampleId :
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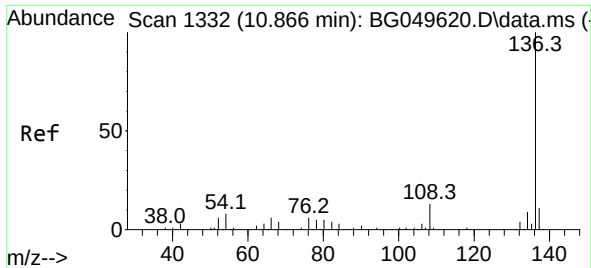
Tgt Ion: 99 Resp: 274490
Ion Ratio Lower Upper
99 100
42 20.8 20.5 30.7
71 44.6 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.079 ng
RT: 9.201 min Scan# 1049
Delta R.T. 0.362 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion: 70 Resp: 30433
Ion Ratio Lower Upper
70 100
42 42.3 54.5 81.7#
101 0.0 9.0 13.6#
130 2.0 17.0 25.6#

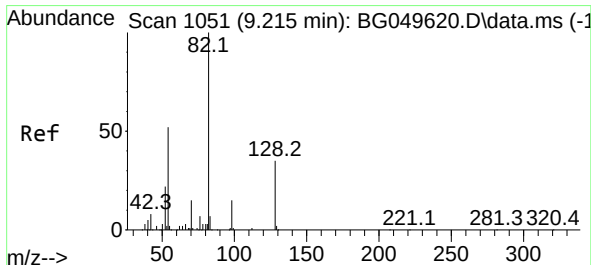
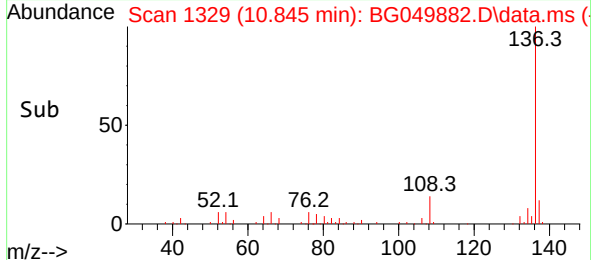
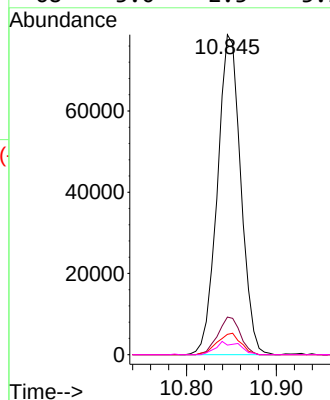
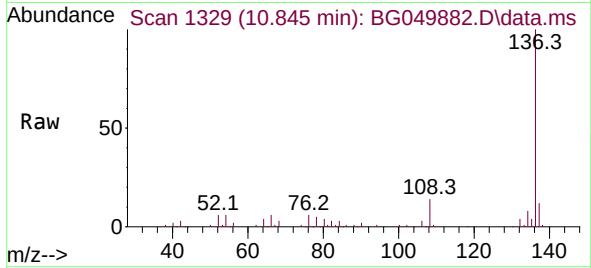




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.845 min Scan# 1329
Delta R.T. -0.002 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

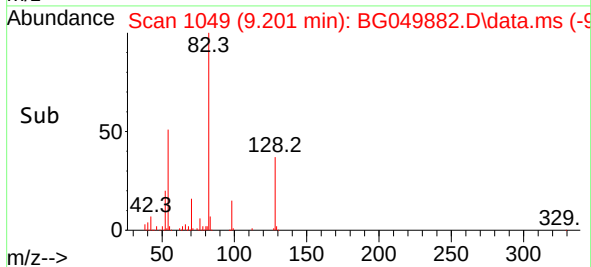
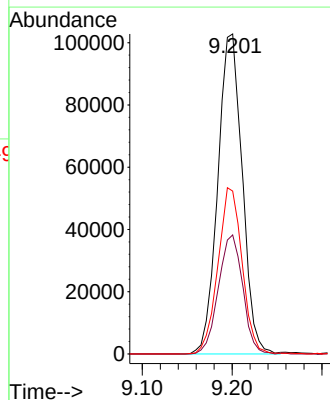
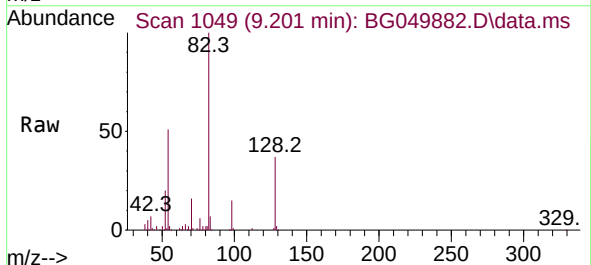
Instrument :
BNA_G
ClientSampleId :
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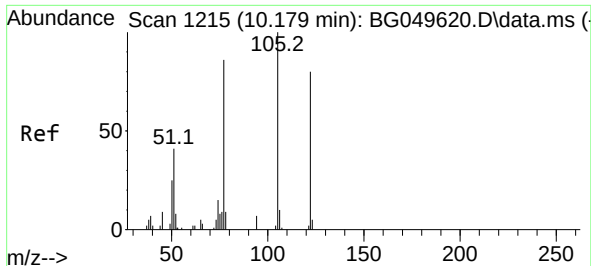
Tgt Ion:	136	Resp:	142065
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.2	12.2
54	6.3	5.5	8.3
68	3.0	2.3	3.5



#23
Nitrobenzene-d5
Concen: 60.534 ng
RT: 9.201 min Scan# 1049
Delta R.T. 0.004 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

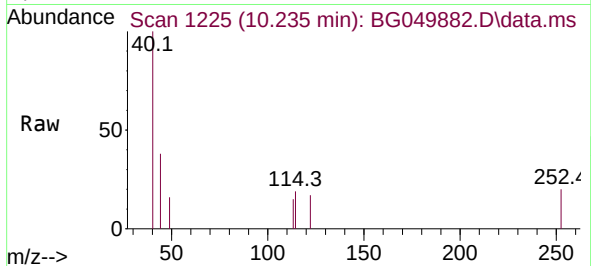
Tgt Ion:	82	Resp:	194341
Ion Ratio	Lower	Upper	
82	100		
128	37.2	29.8	44.6
54	50.9	45.8	68.8



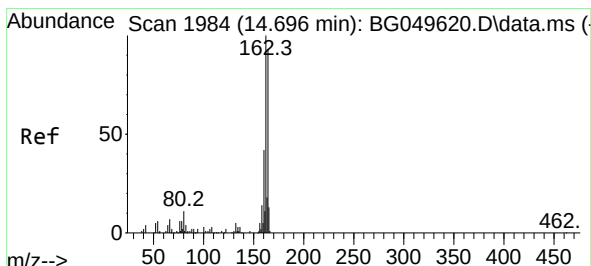
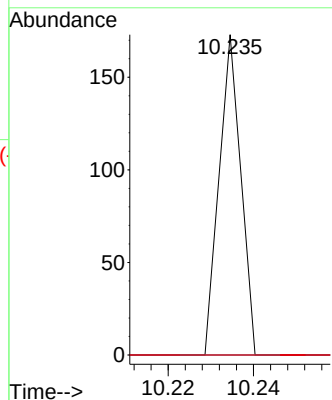
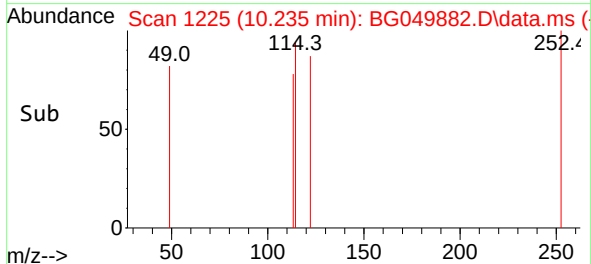


#32
Benzoic acid
Concen: 4.987 ng
RT: 10.235 min Scan# 1225
Delta R.T. 0.068 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

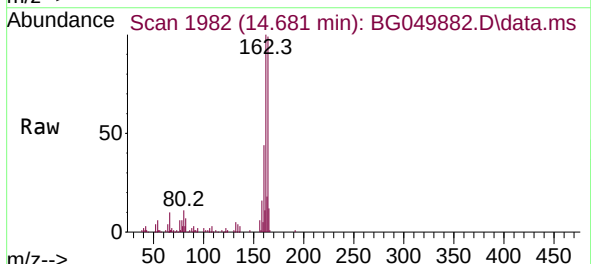
Instrument :
BNA_G
ClientSampleId :
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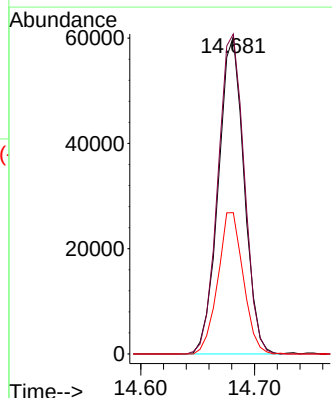
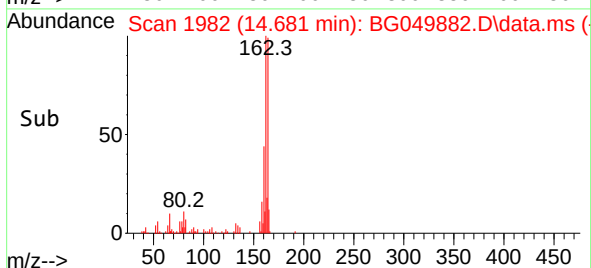
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#

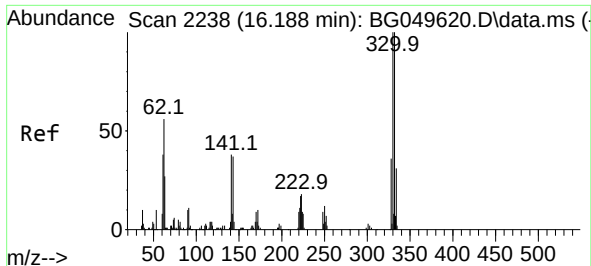


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1982
Delta R.T. -0.002 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49



Tgt Ion:164 Resp: 94464
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 44.5 34.9 52.3

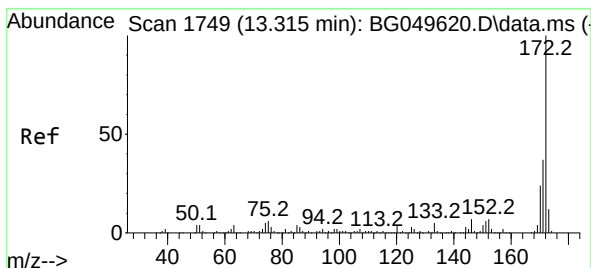
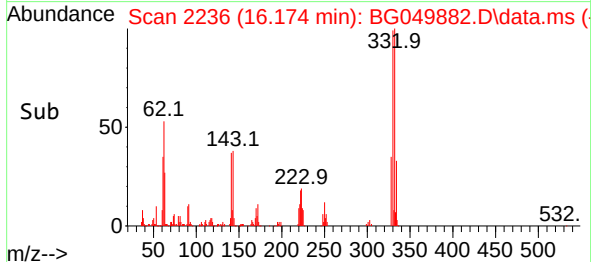
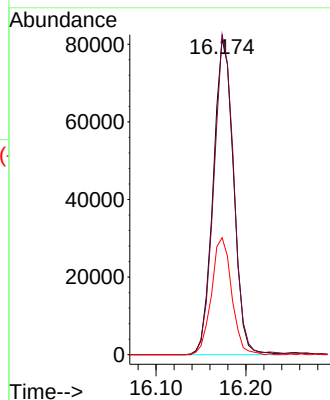
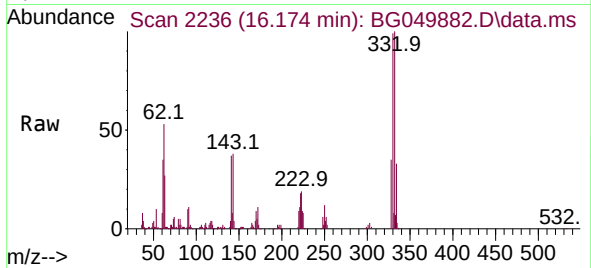




#42
2,4,6-Tribromophenol
Concen: 92.249 ng
RT: 16.174 min Scan# 2236
Delta R.T. -0.002 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

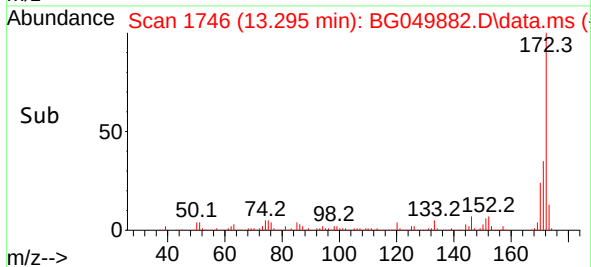
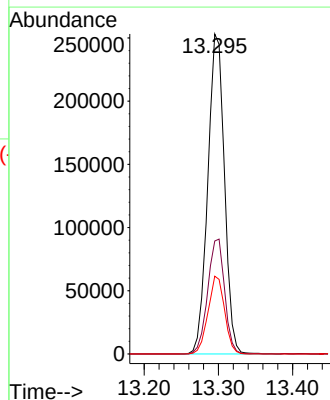
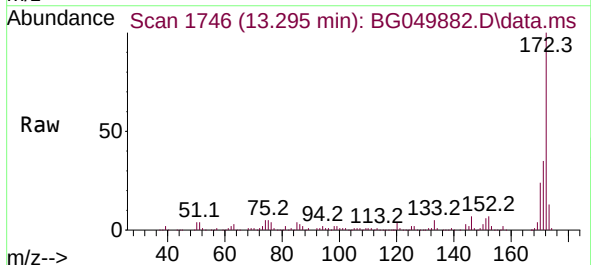
Instrument :
BNA_G
ClientSampled :
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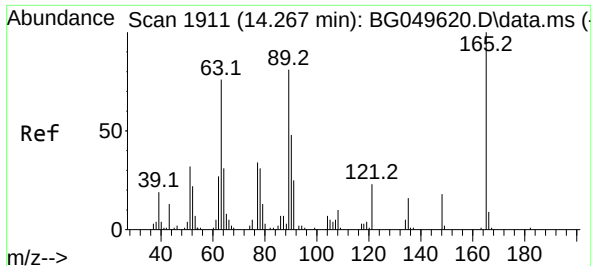
Tgt Ion:330 Resp: 128087
Ion Ratio Lower Upper
330 100
332 99.3 77.3 115.9
141 36.8 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 60.819 ng
RT: 13.295 min Scan# 1746
Delta R.T. -0.008 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion:172 Resp: 394836
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.3 18.6 27.8

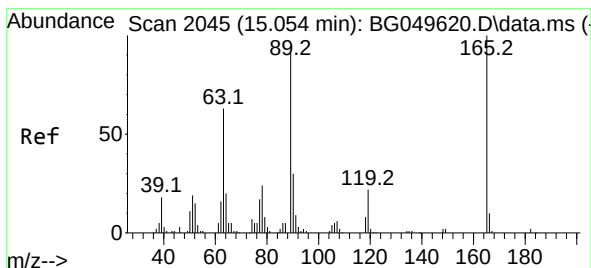
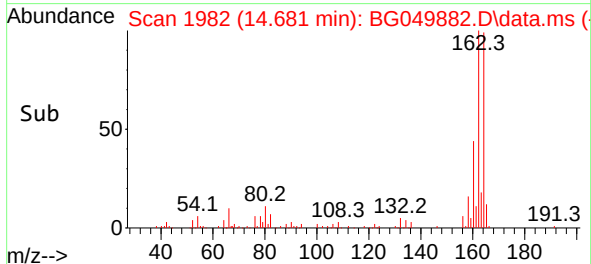
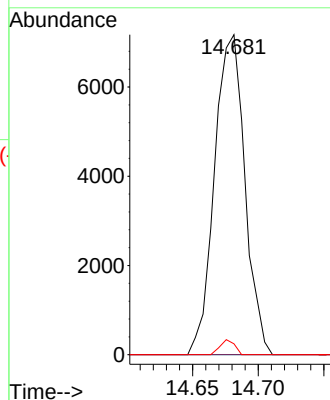
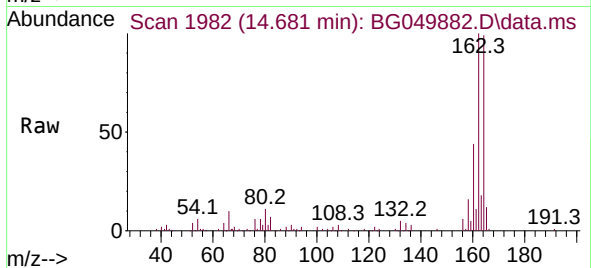




#51
2,6-Dinitrotoluene
Concen: 7.364 ng
RT: 14.681 min Scan# 1982
Delta R.T. 0.427 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

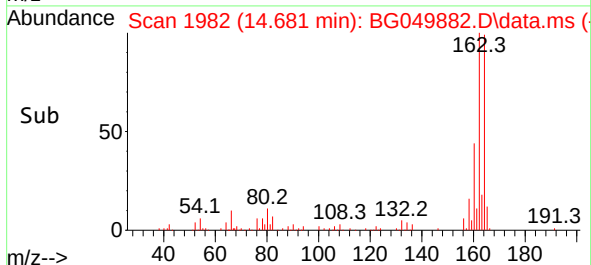
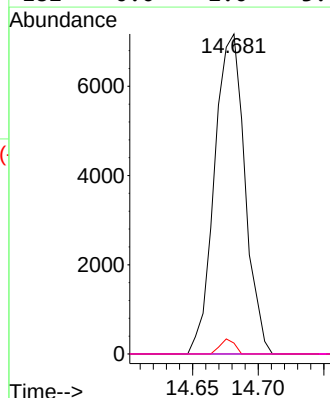
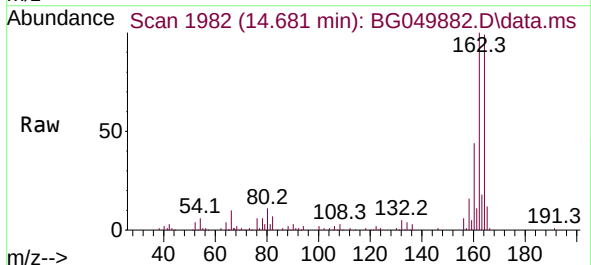
Instrument :
BNA_G
ClientSampled :
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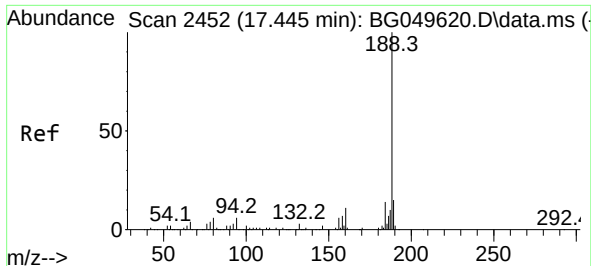
Tgt Ion:165 Resp: 11556
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 3.4 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.243 ng
RT: 14.681 min Scan# 1982
Delta R.T. -0.366 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion:165 Resp: 11556
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 3.4 65.4 98.0#
182 0.0 2.0 3.0#

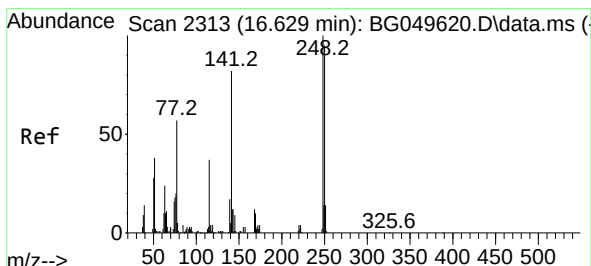
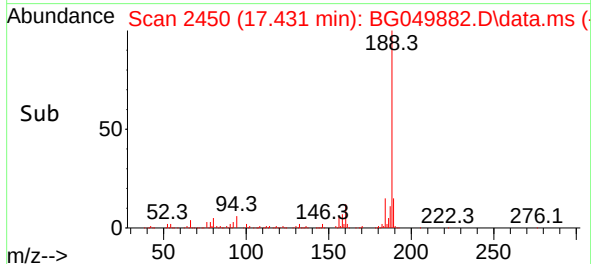
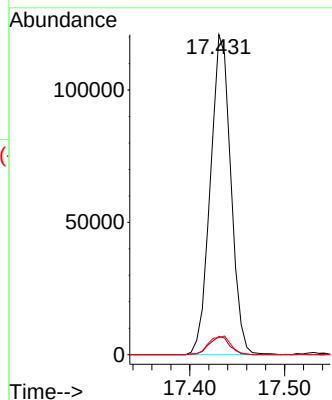
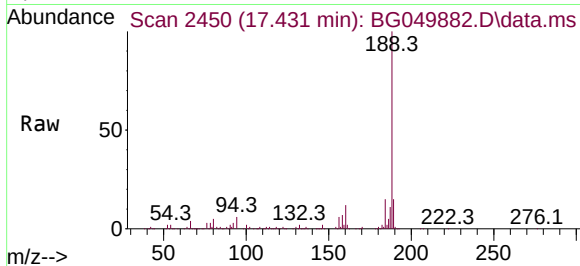




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.431 min Scan# 2450
Delta R.T. -0.008 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

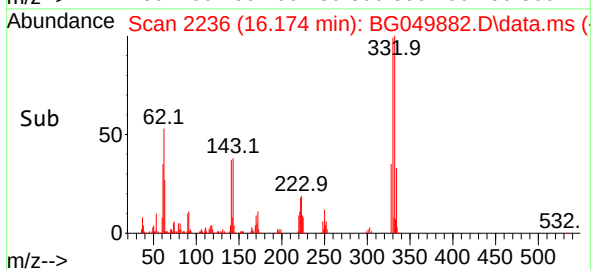
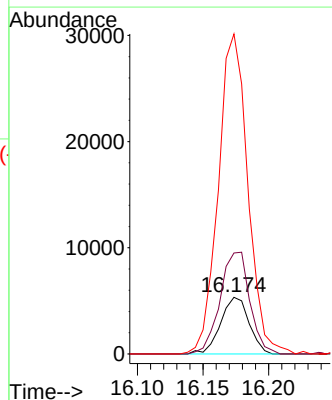
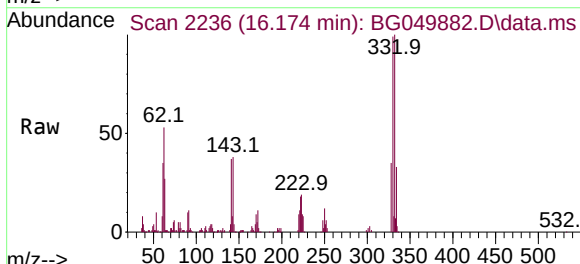
Instrument :
BNA_G
ClientSampleId :
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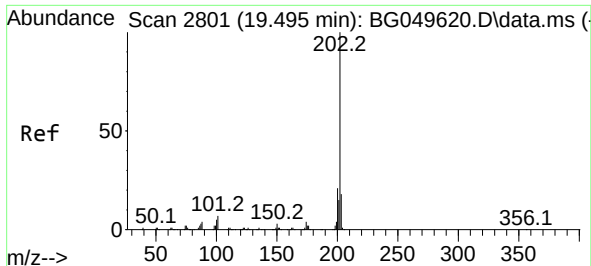
Tgt Ion:188	Resp:	181186
Ion Ratio	Lower	Upper
188	100	
94	5.7	5.4 8.0
80	5.3	3.7 5.5



#67
4-Bromophenyl-phenylether
Concen: 3.772 ng
RT: 16.174 min Scan# 2236
Delta R.T. -0.443 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion:248	Resp:	8049
Ion Ratio	Lower	Upper
248	100	
250	178.0	76.1 114.1#
141	564.1	65.4 98.2#

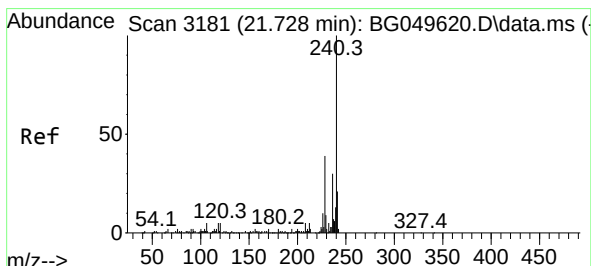
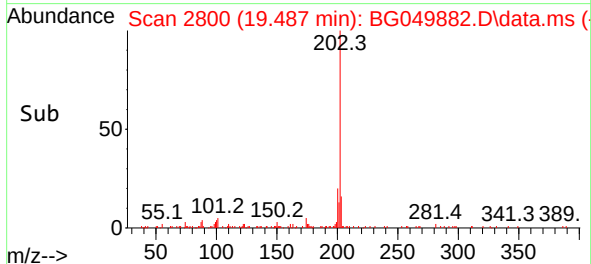
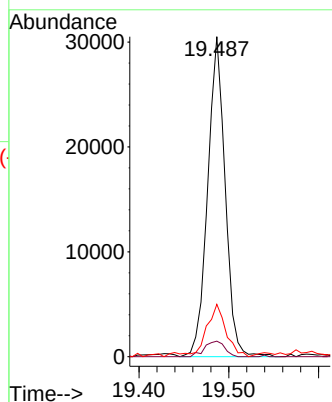
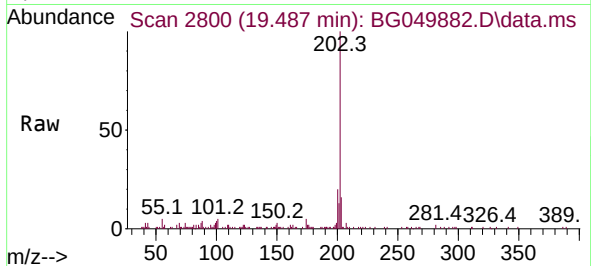




#75
Fluoranthene
Concen: 3.520 ng
RT: 19.487 min Scan# 2800
Delta R.T. -0.002 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

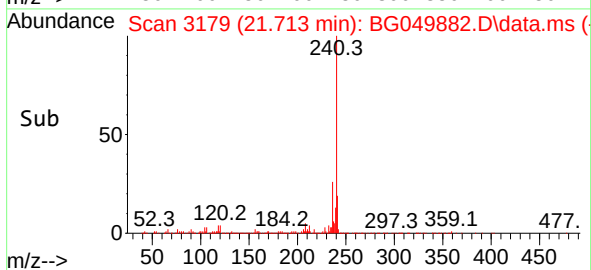
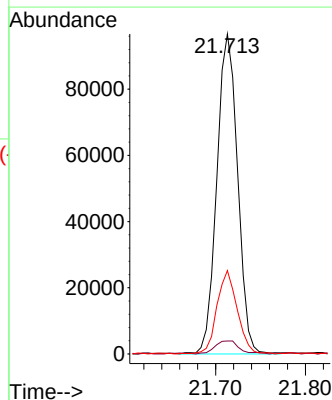
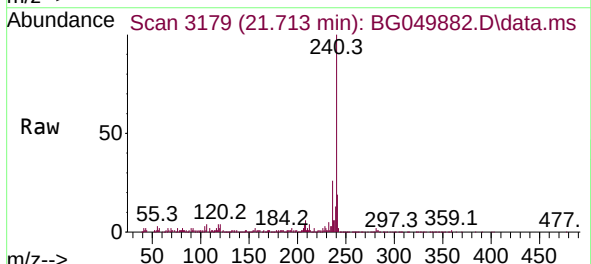
Instrument :
BNA_G
ClientSampled :
7

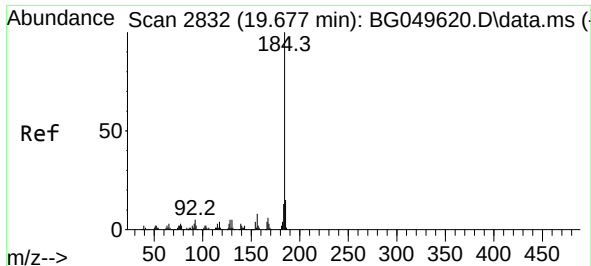
Tgt Ion:202 Resp: 41288
Ion Ratio Lower Upper
202 100
101 4.8 0.0 24.7
203 16.4 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 3179
Delta R.T. -0.008 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion:240 Resp: 155533
Ion Ratio Lower Upper
240 100
120 4.1 4.2 6.2#
236 26.1 21.8 32.6

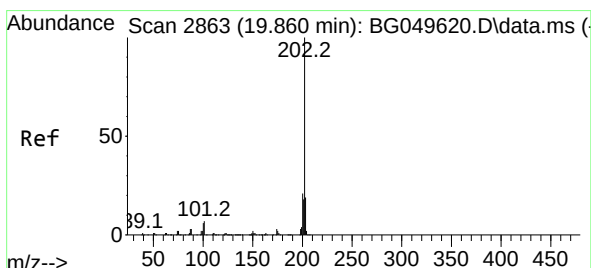
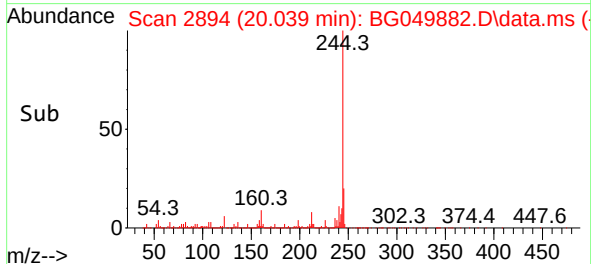
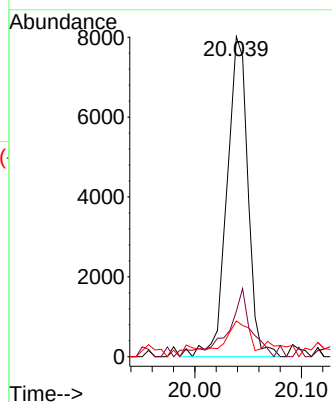
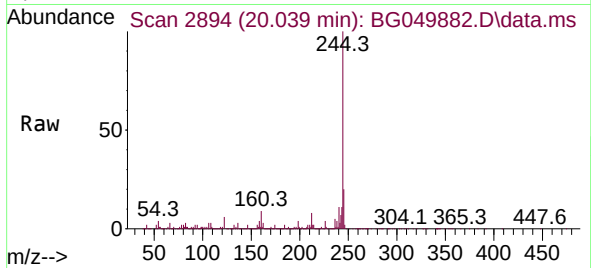




#77
Benzidine
Concen: 2.747 ng
RT: 20.039 min Scan# 2894
Delta R.T. 0.374 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

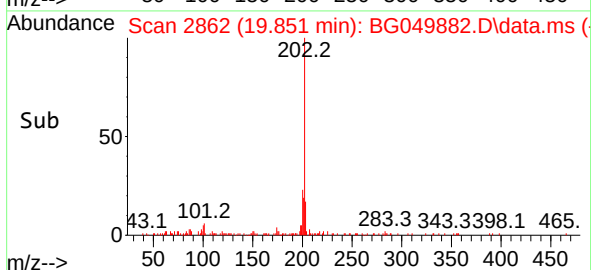
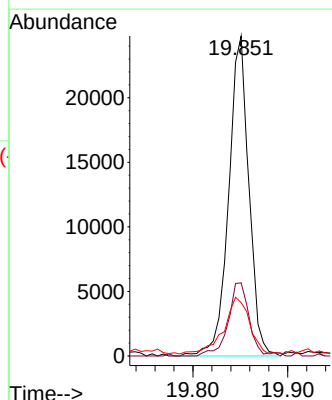
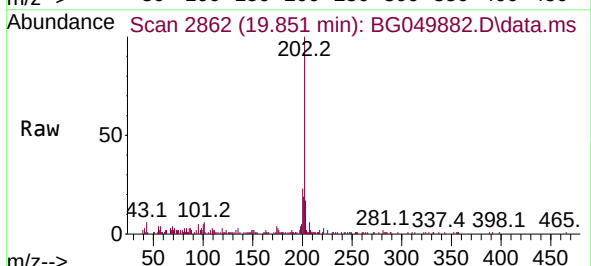
Instrument :
BNA_G
ClientSampled :
7

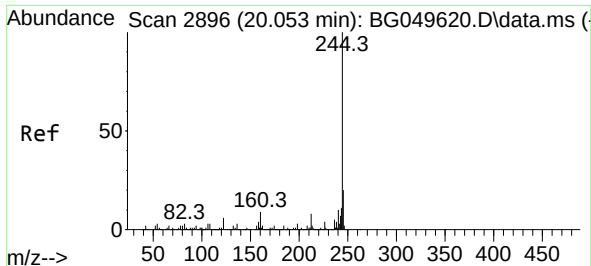
Tgt Ion:184 Resp: 10947
Ion Ratio Lower Upper
184 100
185 14.2 10.7 16.1
183 11.2 9.4 14.0



#78
Pyrene
Concen: 3.459 ng
RT: 19.851 min Scan# 2862
Delta R.T. -0.002 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion:202 Resp: 36678
Ion Ratio Lower Upper
202 100
200 22.8 15.8 23.8
203 16.7 14.6 21.8

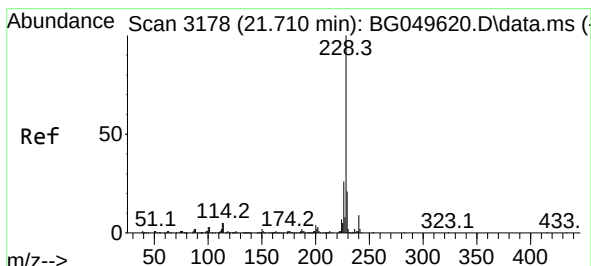
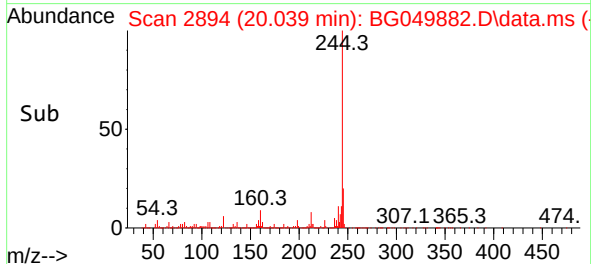
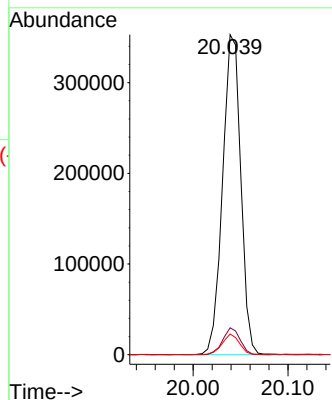
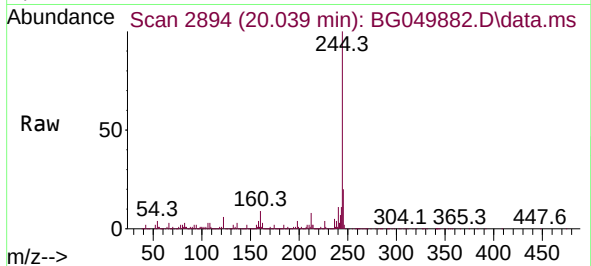




#79
 Terphenyl-d14
 Concen: 55.009 ng
 RT: 20.039 min Scan# 2894
 Delta R.T. -0.008 min
 Lab File: BG049882.D
 Acq: 17 Aug 2021 17:49

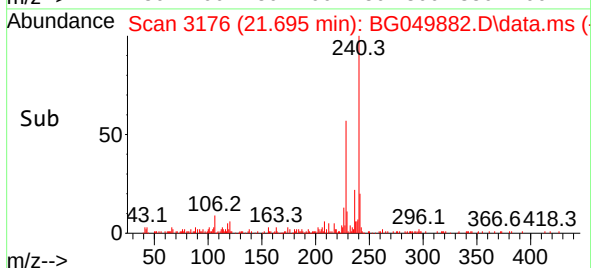
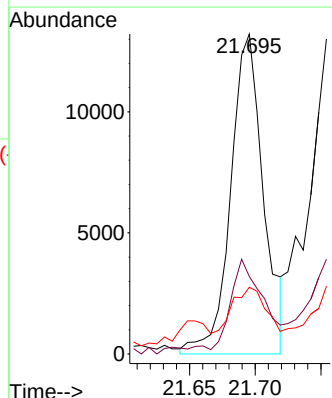
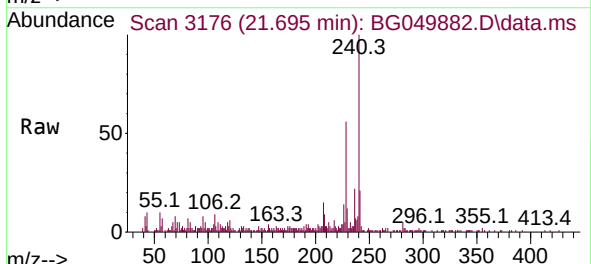
Instrument :
 BNA_G
 ClientSampled :
 7

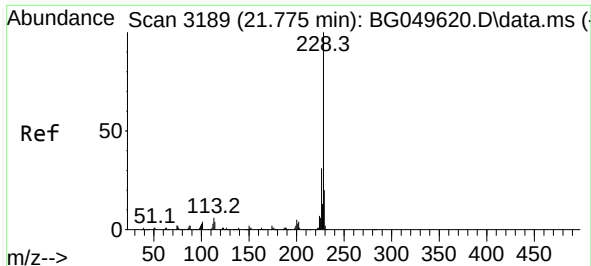
Tgt Ion:244	Resp:	471077
Ion Ratio	Lower	Upper
244	100	
212	8.4	6.9 10.3
122	6.5	5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 2.261 ng
 RT: 21.695 min Scan# 3176
 Delta R.T. -0.002 min
 Lab File: BG049882.D
 Acq: 17 Aug 2021 17:49

Tgt Ion:228	Resp:	22898
Ion Ratio	Lower	Upper
228	100	
226	24.2	22.7 34.1
229	20.9	16.0 24.0

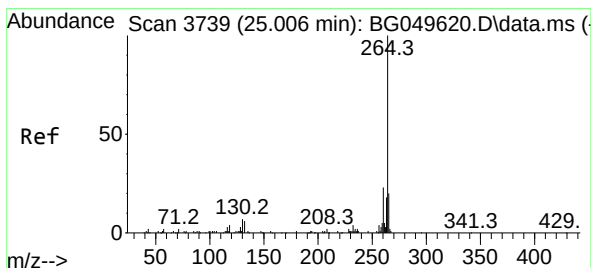
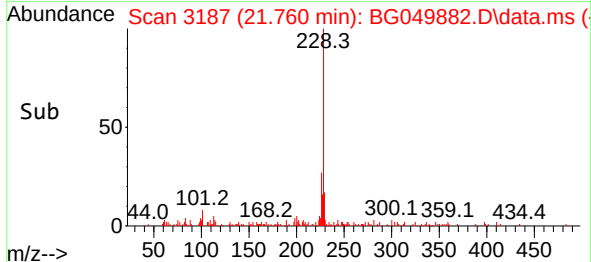
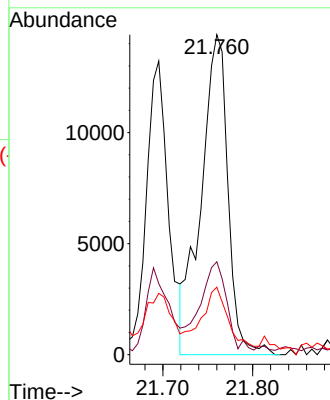
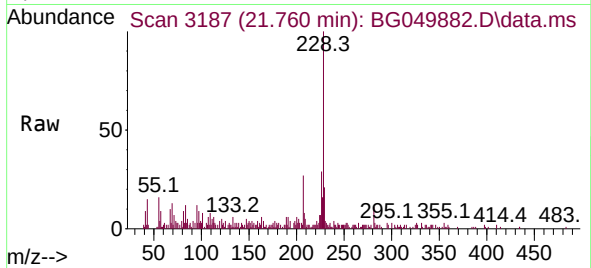




#83
Chrysene
Concen: 3.110 ng
RT: 21.760 min Scan# 3187
Delta R.T. -0.008 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

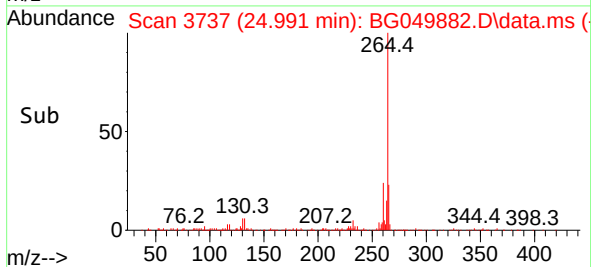
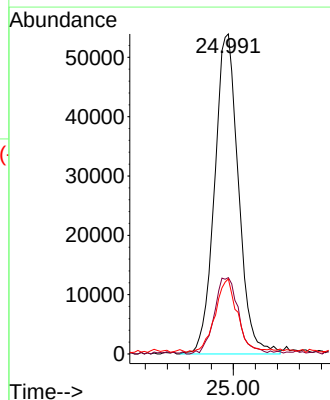
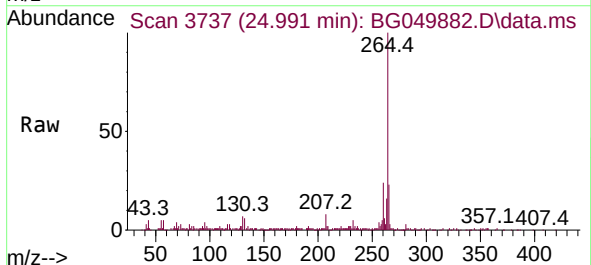
Instrument :
BNA_G
ClientSampleId :
7

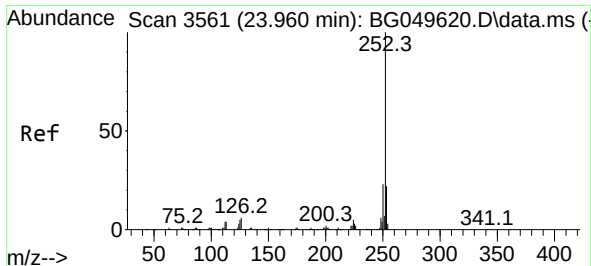
Tgt Ion:228	Resp:	30111
Ion Ratio	Lower	Upper
228	100	
226	29.0	23.1 34.7
229	21.1	15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.991 min Scan# 3737
Delta R.T. 0.004 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion:264	Resp:	162583
Ion Ratio	Lower	Upper
264	100	
260	23.9	19.4 29.2
265	23.5	16.9 25.3

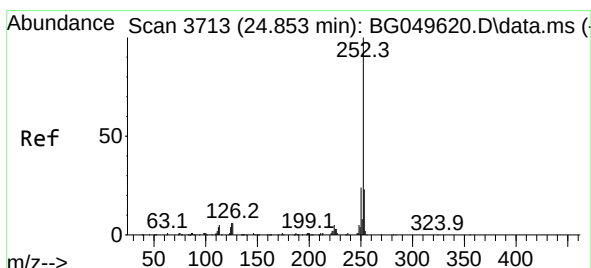
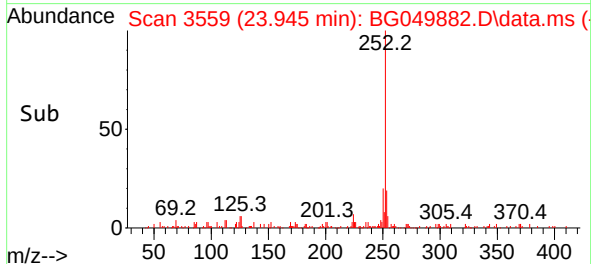
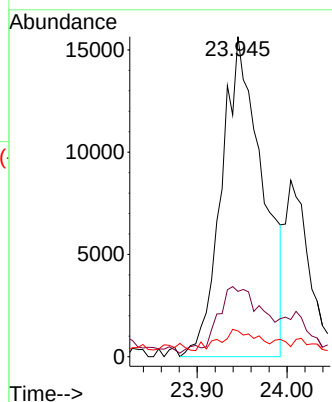
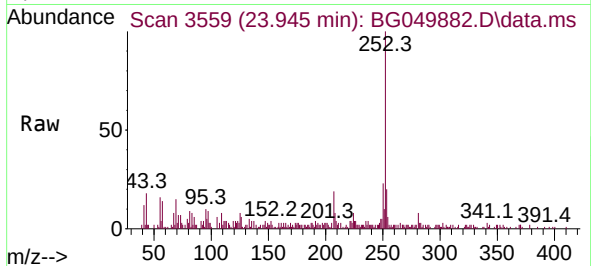




#88
Benzo(b)fluoranthene
Concen: 4.622 ng
RT: 23.945 min Scan# 3559
Delta R.T. -0.008 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Instrument :
BNA_G
ClientSampleId :
7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	16.2	24.4
125	8.1	3.0	4.4



#90
Benzo(a)pyrene
Concen: 2.684 ng
RT: 24.832 min Scan# 3710
Delta R.T. -0.008 min
Lab File: BG049882.D
Acq: 17 Aug 2021 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	16.6	25.0
125	11.1	3.5	5.3

