

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081123\
 Data File : BG058705.D
 Acq On : 11 Aug 2023 16:40
 Operator : MA/JU
 Sample : 03971-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-PP08A

Quant Time: Aug 11 23:00:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG072823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 22:29:07 2023
 Response via : Initial Calibration

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

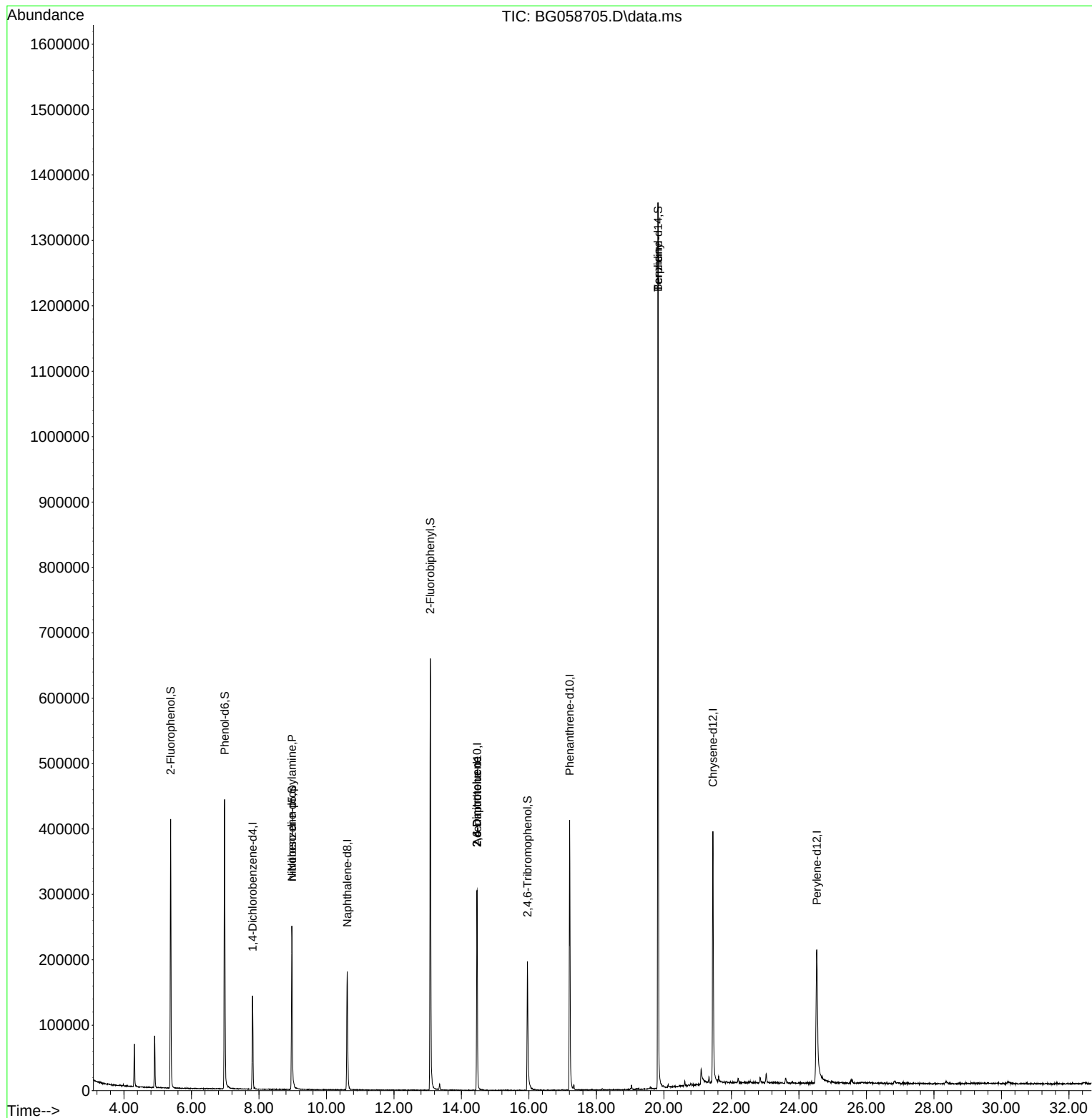
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.812	152	40658	20.000	ng	0.00
21) Naphthalene-d8	10.614	136	175136	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	122917	20.000	ng	0.00
64) Phenanthrene-d10	17.207	188	313042	20.000	ng	0.00
76) Chrysene-d12	21.449	240	280559	20.000	ng	0.00
86) Perylene-d12	24.527	264	306637	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.385	112	175066	65.813	ng	0.00
7) Phenol-d6	6.983	99	282021	76.192	ng	0.00
23) Nitrobenzene-d5	8.975	82	173938	48.789	ng	0.00
42) 2,4,6-Tribromophenol	15.955	330	59314	29.441	ng	0.00
45) 2-Fluorobiphenyl	13.076	172	410165	50.007	ng	0.00
79) Terphenyl-d14	19.827	244	794064	53.224	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.975	70	20943	8.760	ng	Qvalue # 83
51) 2,6-Dinitrotoluene	14.457	165	15801	7.801	ng	# 22
57) 2,4-Dinitrotoluene	14.457	165	15801	5.627	ng	# 23
77) Benzidine	19.821	184	9106	2.140	ng	# 90

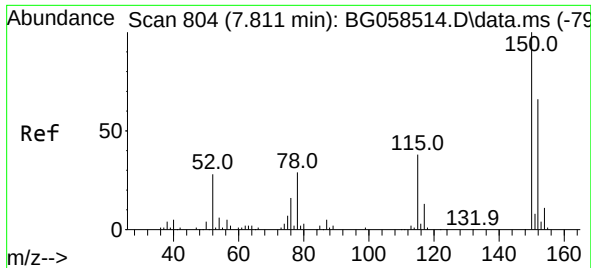
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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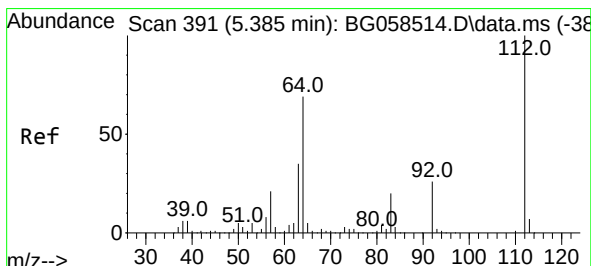
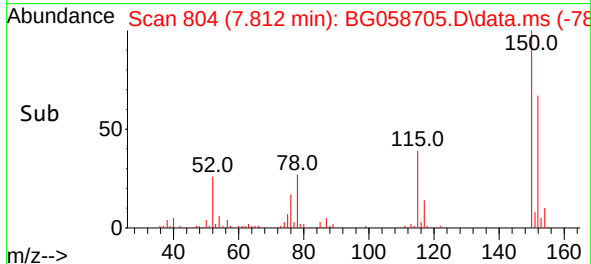
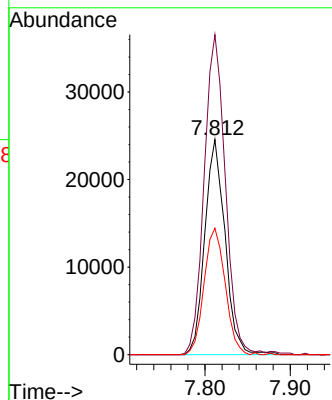
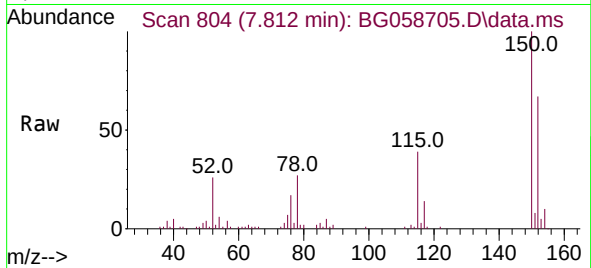




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.812 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

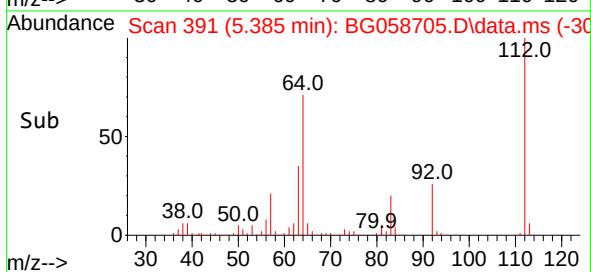
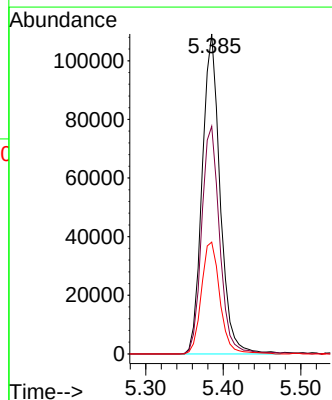
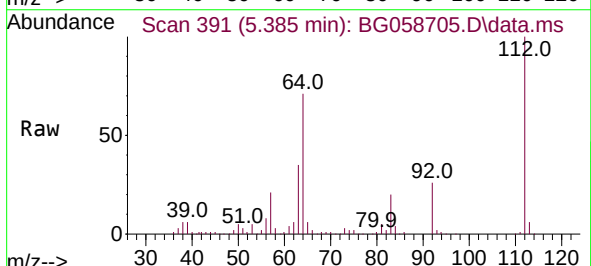
Instrument :
BNA_G
ClientSampleId :
B-PP08A

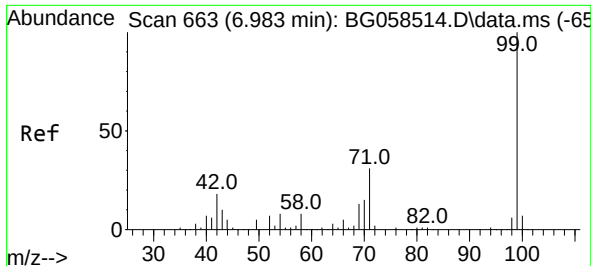
Tgt Ion:152 Resp: 40658
Ion Ratio Lower Upper
152 100
150 148.7 120.5 180.7
115 58.7 45.9 68.9



#5
2-Fluorophenol
Concen: 65.813 ng
RT: 5.385 min Scan# 391
Delta R.T. 0.000 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

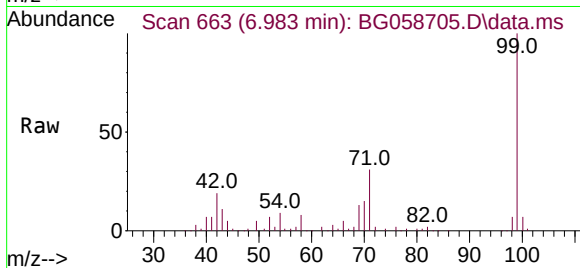
Tgt Ion:112 Resp: 175066
Ion Ratio Lower Upper
112 100
64 71.1 55.3 82.9
63 34.9 28.3 42.5



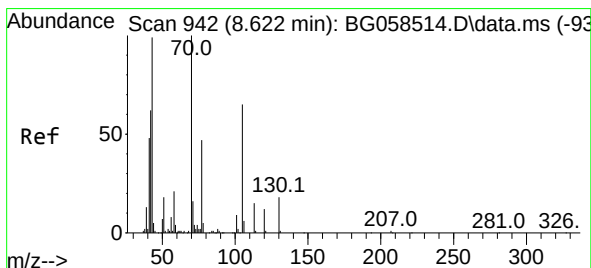
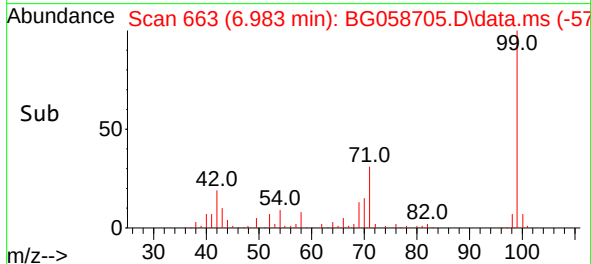
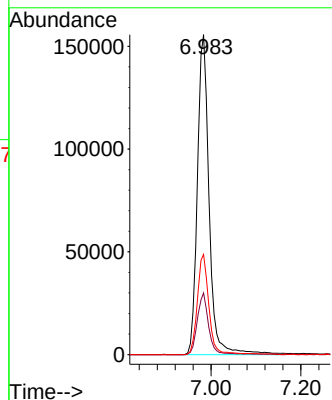


#7
Phenol-d6
Concen: 76.192 ng
RT: 6.983 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

Instrument :
BNA_G
ClientSampleId :
B-PP08A

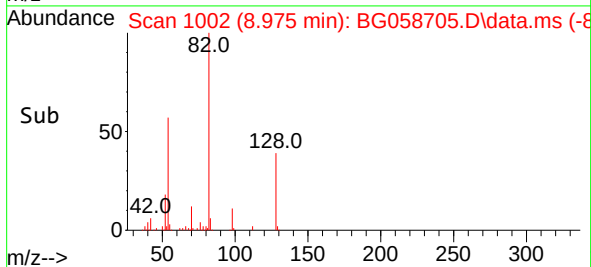
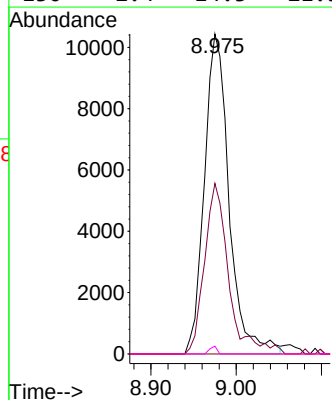
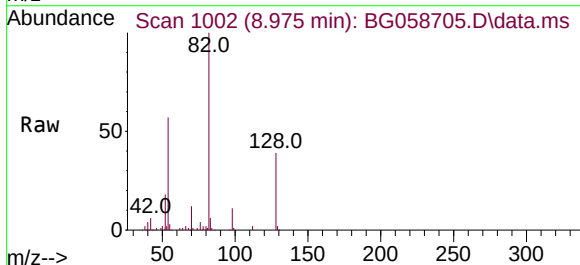


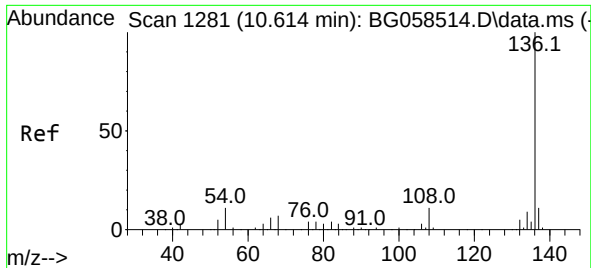
Tgt Ion:	99	Resp:	282021
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.6	21.8
71	31.4	25.0	37.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.760 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.353 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

Tgt Ion:	70	Resp:	20943
Ion	Ratio	Lower	Upper
70	100		
42	53.3	49.7	74.5
101	0.0	7.0	10.4#
130	2.4	14.3	21.5#

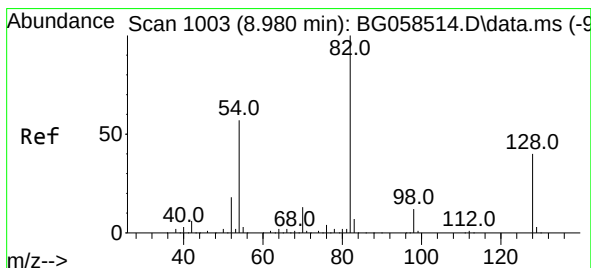
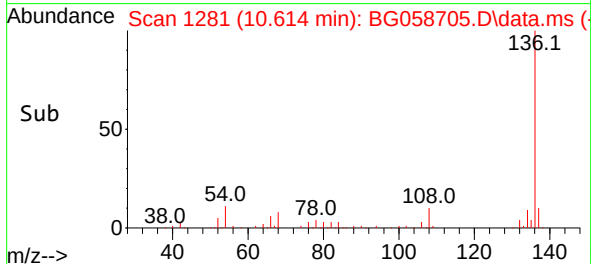
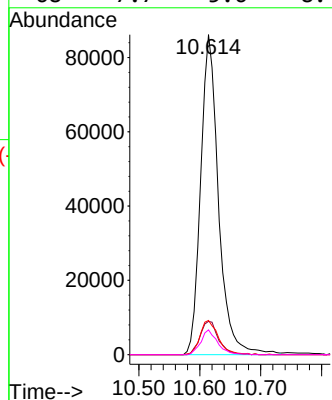
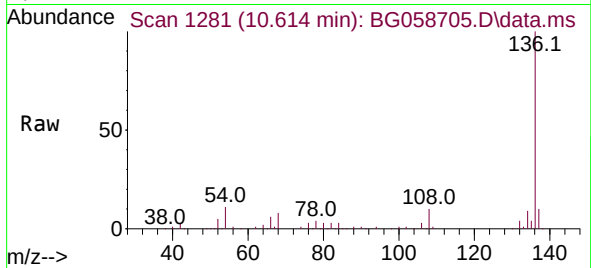




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.614 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

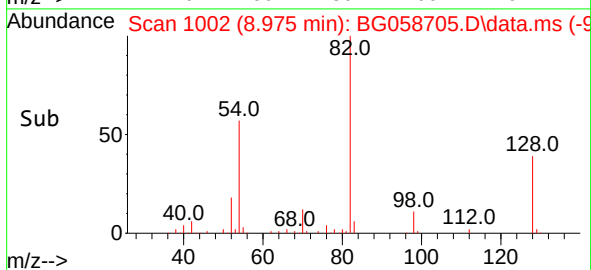
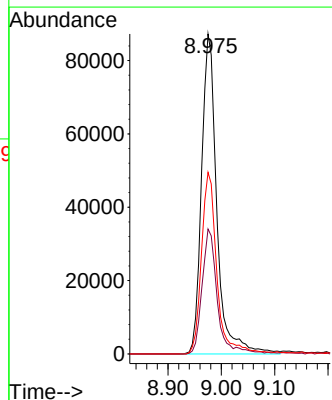
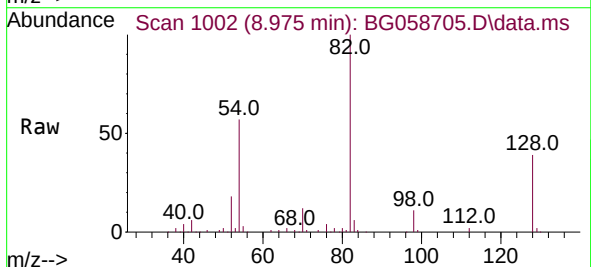
Instrument :
BNA_G
ClientSampleId :
B-PP08A

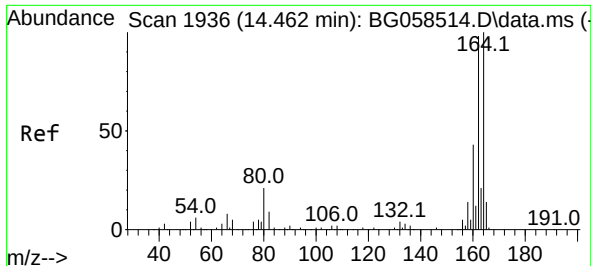
Tgt Ion:	136	Resp:	175136
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.6	13.0
54	10.7	8.9	13.3
68	7.7	5.6	8.4



#23
Nitrobenzene-d5
Concen: 48.789 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.005 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

Tgt Ion:	82	Resp:	173938
Ion Ratio	Lower	Upper	
82	100		
128	39.0	32.2	48.2
54	56.8	46.0	69.0

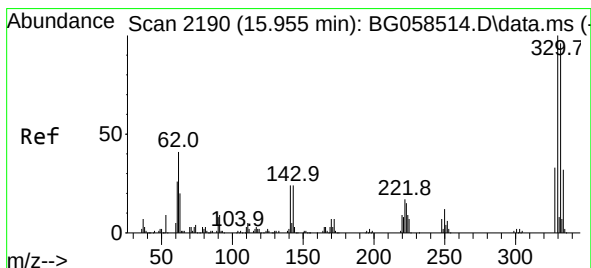
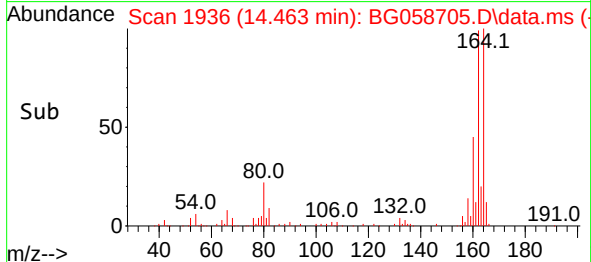
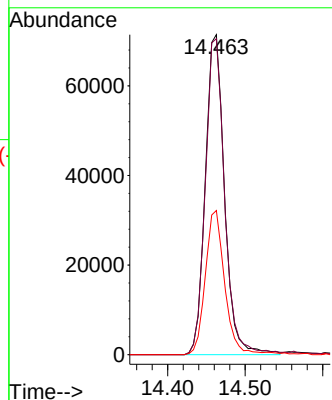
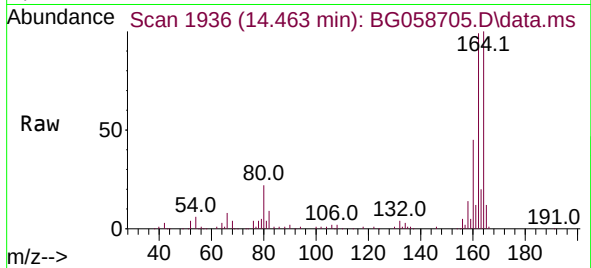




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.000 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

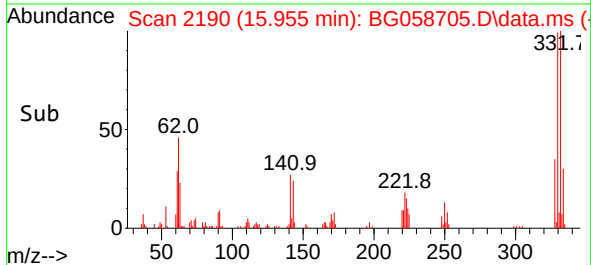
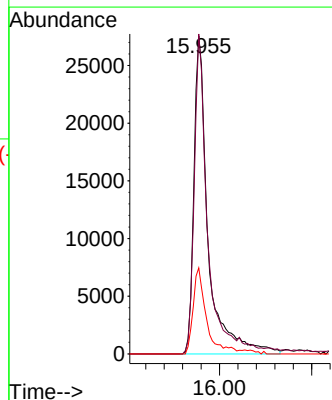
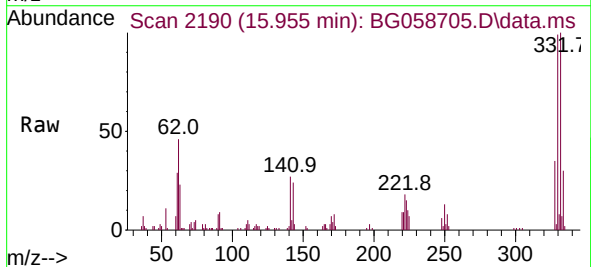
Instrument :
BNA_G
ClientSampleId :
B-PP08A

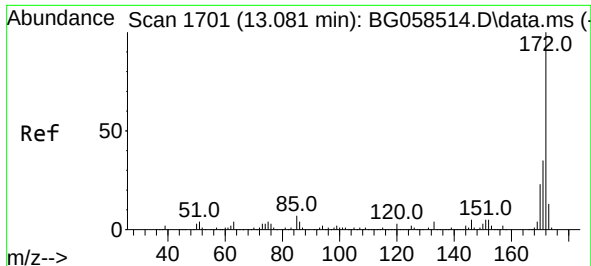
Tgt Ion:164 Resp: 122917
Ion Ratio Lower Upper
164 100
162 98.7 78.3 117.5
160 45.0 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 29.441 ng
RT: 15.955 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

Tgt Ion:330 Resp: 59314
Ion Ratio Lower Upper
330 100
332 94.5 77.5 116.3
141 25.4 20.7 31.1

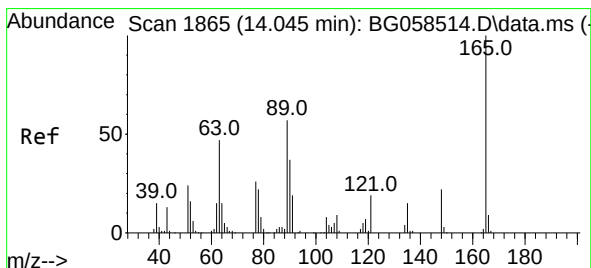
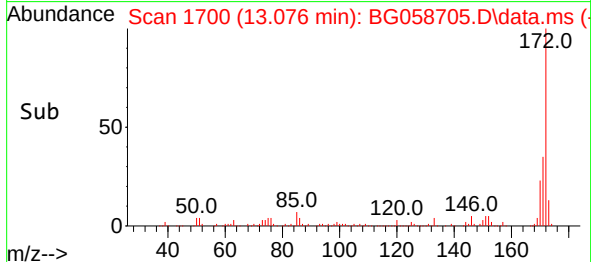
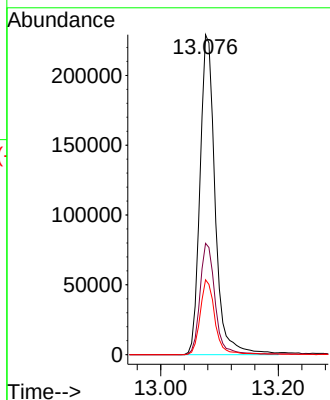
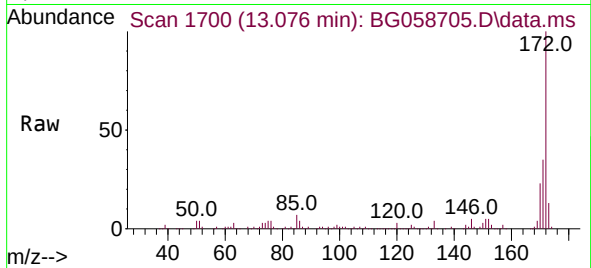




#45
2-Fluorobiphenyl
Concen: 50.007 ng
RT: 13.076 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

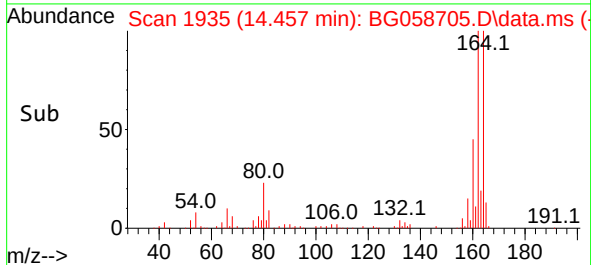
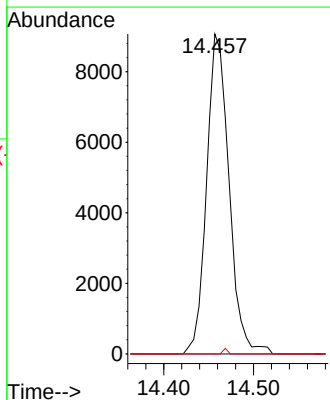
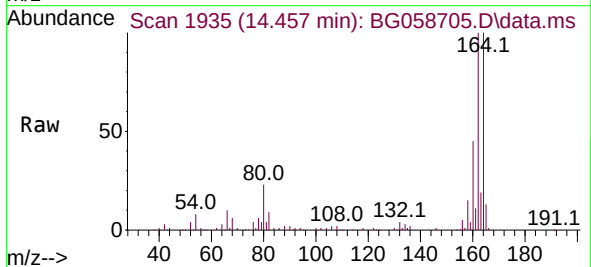
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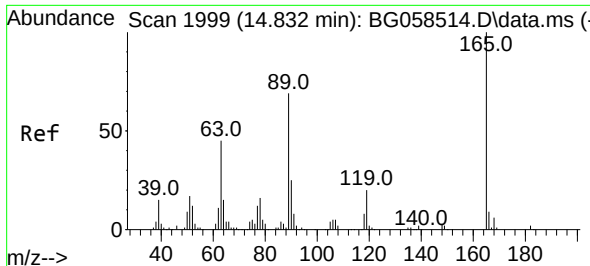
Tgt Ion:172 Resp: 410165
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.4 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 7.801 ng
RT: 14.457 min Scan# 1935
Delta R.T. 0.412 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

Tgt Ion:165 Resp: 15801
Ion Ratio Lower Upper
165 100
63 0.0 46.4 69.6#
89 0.0 45.3 67.9#

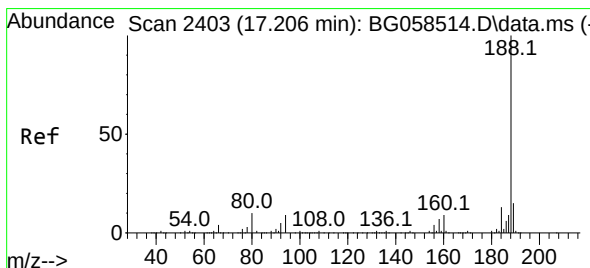
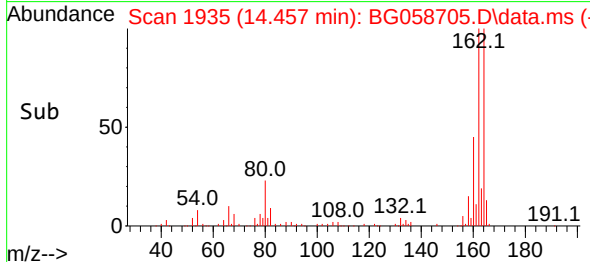
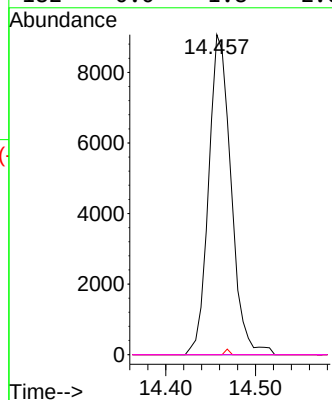
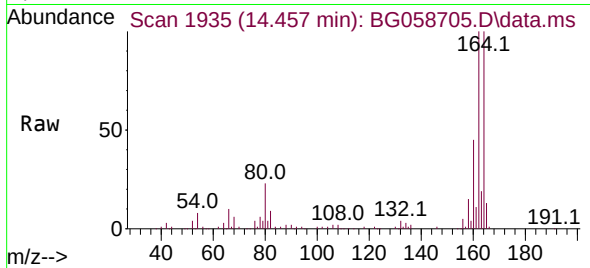




#57
2,4-Dinitrotoluene
Concen: 5.627 ng
RT: 14.457 min Scan# 1999
Delta R.T. -0.375 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

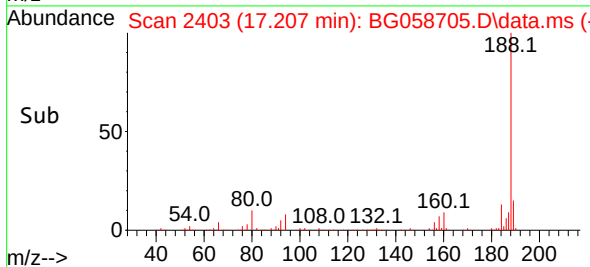
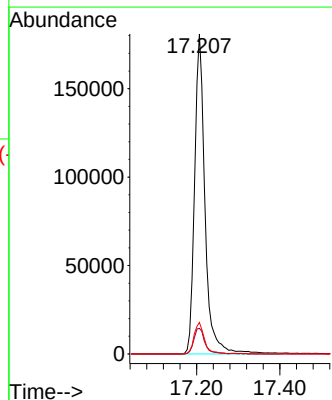
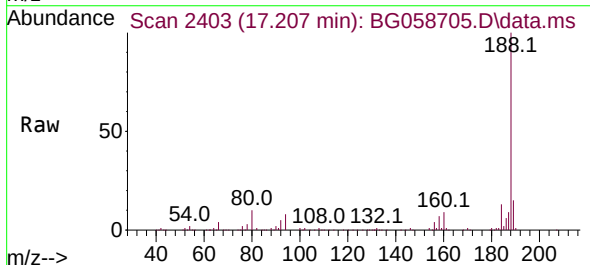
Instrument :
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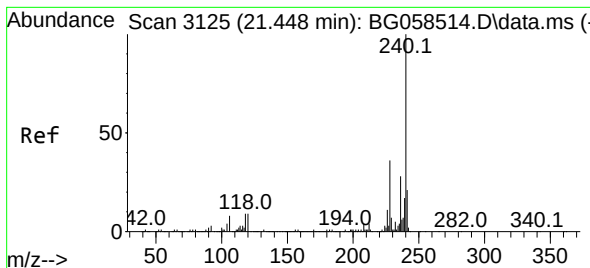
Tgt Ion:165 Resp: 15801
Ion Ratio Lower Upper
165 100
63 0.0 36.6 54.8#
89 0.0 55.4 83.0#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.207 min Scan# 2403
Delta R.T. 0.000 min
Lab File: BG058705.D
Acq: 11 Aug 2023 16:40

Tgt Ion:188 Resp: 313042
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.6
80 9.8 8.1 12.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.449 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG058705.D

Acq: 11 Aug 2023 16:40

Instrument :

BNA_G

ClientSampleId :

B-PP08A

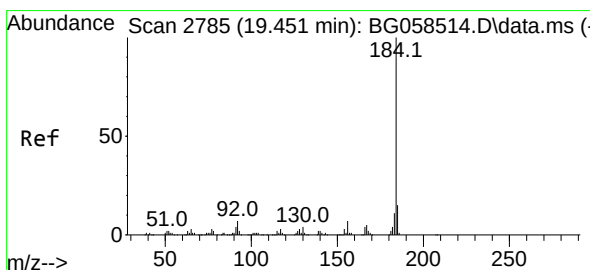
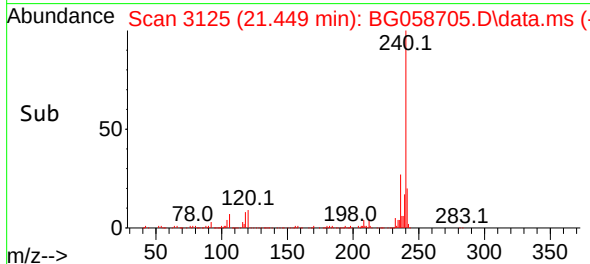
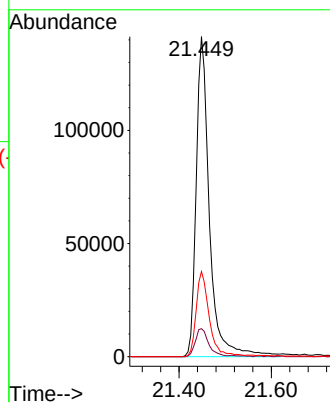
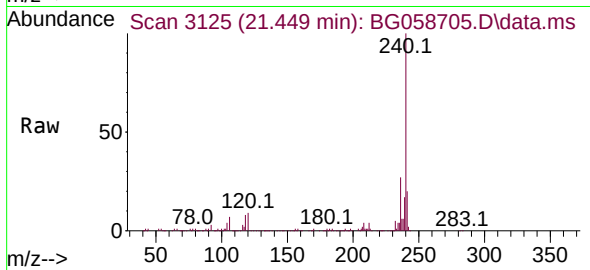
Tgt Ion:240 Resp: 280559

Ion Ratio Lower Upper

240 100

120 8.7 7.4 11.0

236 26.6 22.2 33.4



#77

Benzidine

Concen: 2.140 ng

RT: 19.821 min Scan# 2848

Delta R.T. 0.371 min

Lab File: BG058705.D

Acq: 11 Aug 2023 16:40

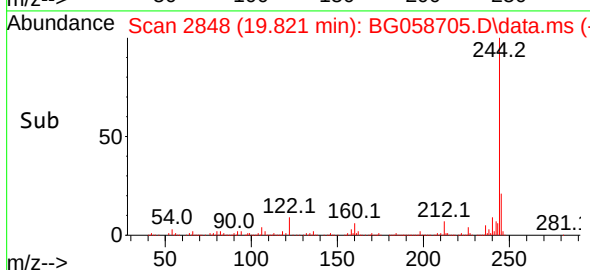
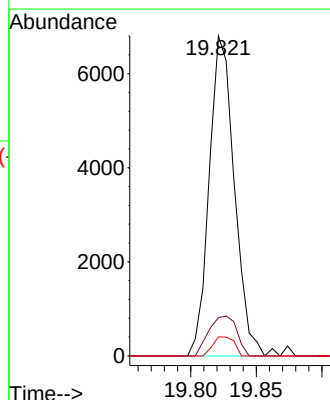
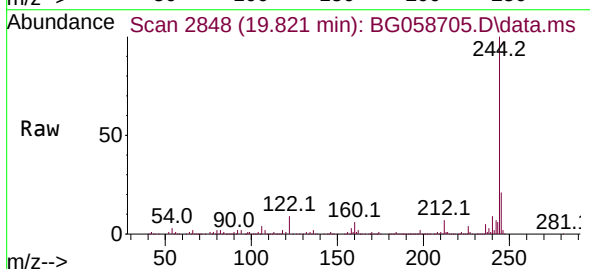
Tgt Ion:184 Resp: 9106

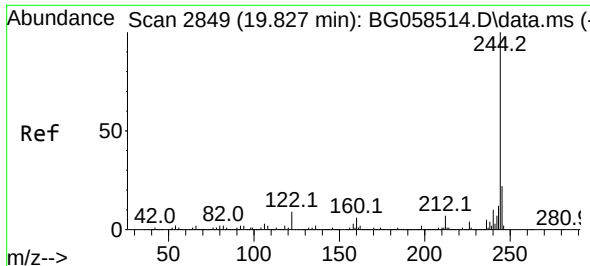
Ion Ratio Lower Upper

184 100

185 11.9 11.9 17.9

183 5.9 8.7 13.1#

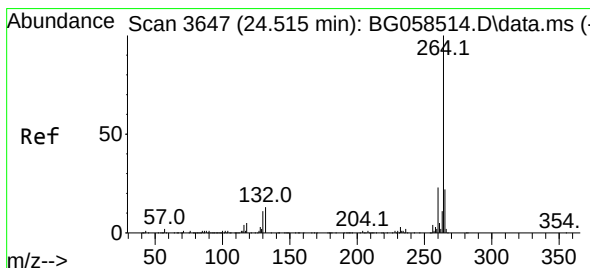
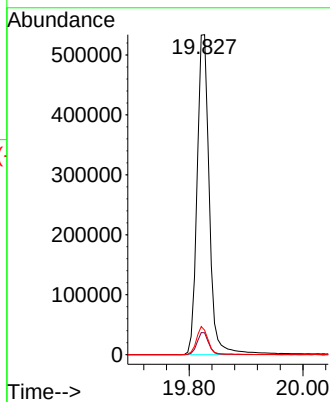
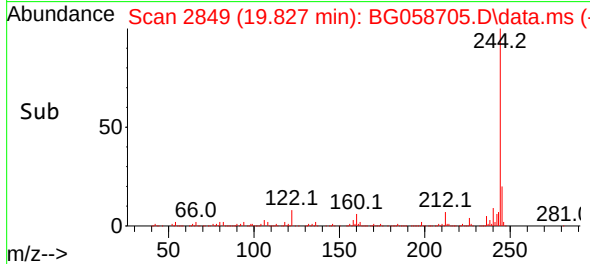
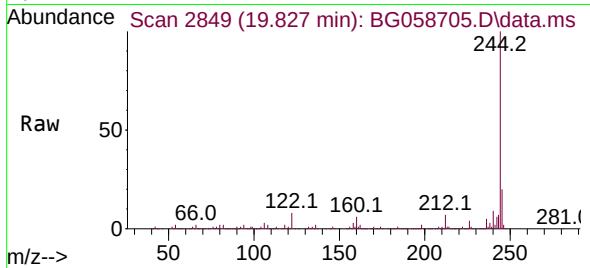




#79
 Terphenyl-d14
 Concen: 53.224 ng
 RT: 19.827 min Scan# 2849
 Delta R.T. 0.000 min
 Lab File: BG058705.D
 Acq: 11 Aug 2023 16:40

Instrument :
 BNA_G
 ClientSampleId :
 B-PP08A

Tgt Ion:244 Resp: 794064
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 7.6 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.527 min Scan# 3649
 Delta R.T. 0.012 min
 Lab File: BG058705.D
 Acq: 11 Aug 2023 16:40

Tgt Ion:264 Resp: 306637
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.4 27.6
 265 21.2 17.9 26.9

