

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062223\
 Data File : BG057808.D
 Acq On : 22 Jun 2023 13:45
 Operator : CG/JU
 Sample : 03302-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-3

Quant Time: Jun 22 14:37:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

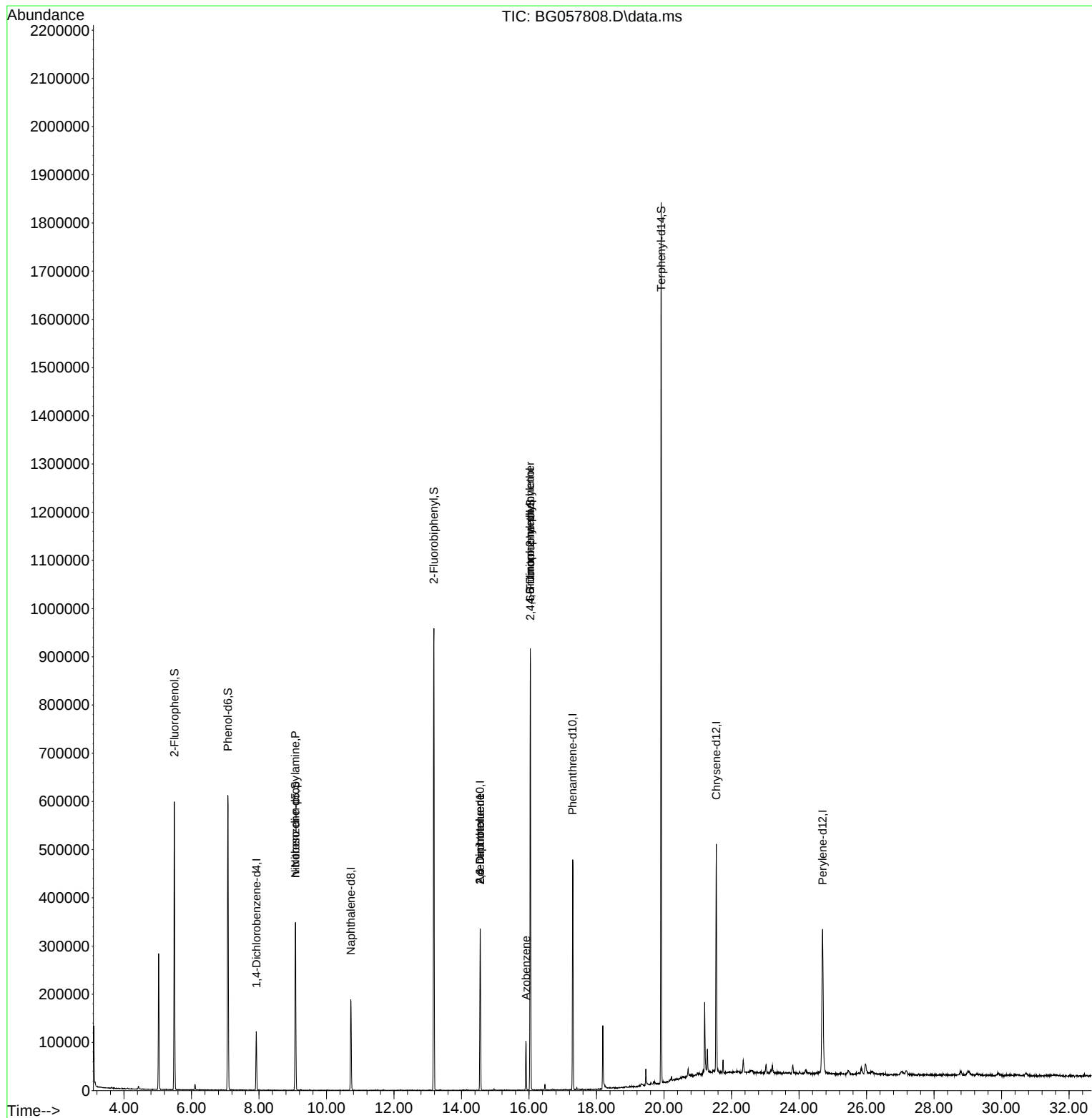
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.923	152	33301	20.000	ng	0.00
21) Naphthalene-d8	10.720	136	160644	20.000	ng	-0.01
39) Acenaphthene-d10	14.551	164	123430	20.000	ng	-0.01
64) Phenanthrene-d10	17.295	188	310472	20.000	ng	-0.01
76) Chrysene-d12	21.548	240	264561	20.000	ng	-0.01
86) Perylene-d12	24.698	264	322582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.491	112	241739	111.930	ng	0.00
7) Phenol-d6	7.077	99	366078	111.087	ng	-0.01
23) Nitrobenzene-d5	9.081	82	207442	66.275	ng	-0.01
42) 2,4,6-Tribromophenol	16.043	330	191485	111.369	ng	0.00
45) 2-Fluorobiphenyl	13.182	172	513951	63.156	ng	0.00
79) Terphenyl-d14	19.915	244	908499	64.032	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.081	70	25813	11.235	ng	# 79
51) 2,6-Dinitrotoluene	14.551	165	16511	9.458	ng	# 19
57) 2,4-Dinitrotoluene	14.551	165	16511	6.974	ng	# 19
63) Azobenzene	15.914	77	29885	3.004	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.037	198	399	5.560	ng	# 1
67) 4-Bromophenyl-phenylether	16.037	248	12541	3.809	ng	# 1

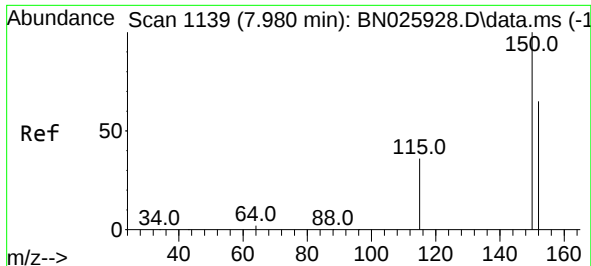
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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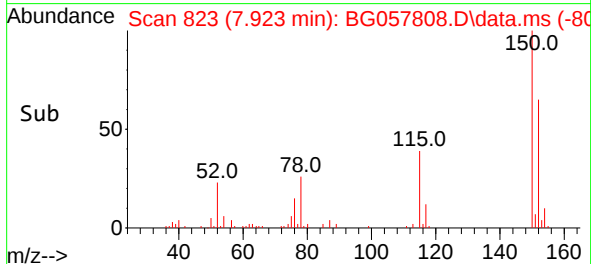
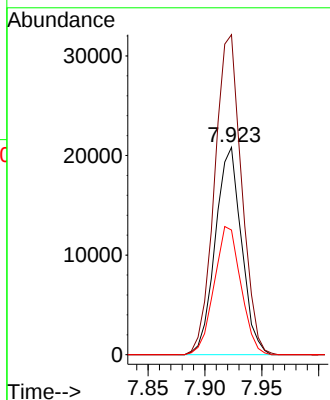
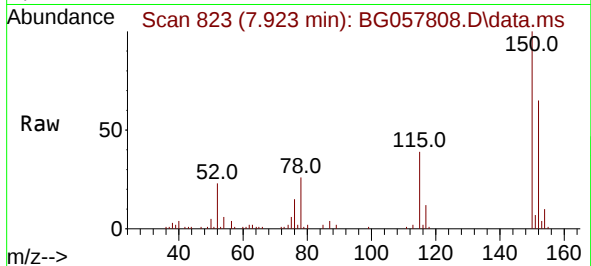




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.923 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

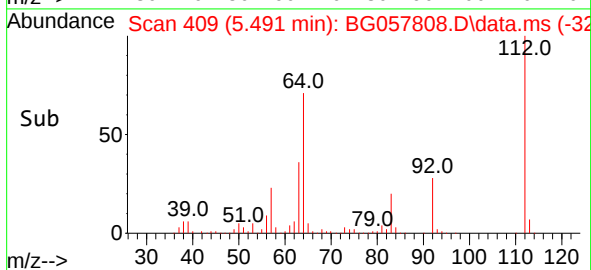
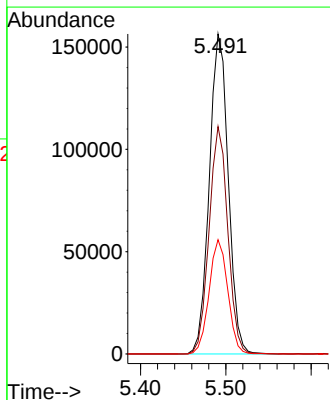
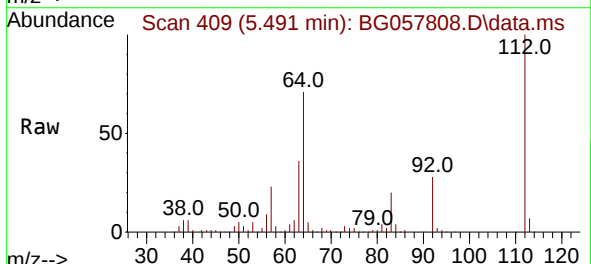
Instrument :
BNA_G
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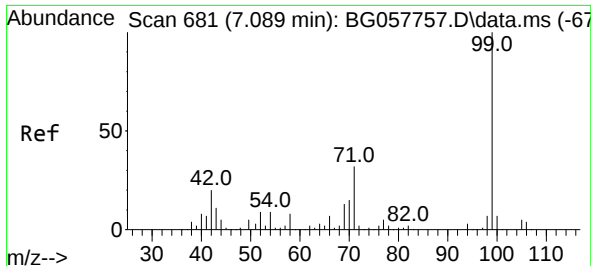
Tgt Ion:152 Resp: 33301
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 60.1 48.9 73.3



#5
2-Fluorophenol
Concen: 111.930 ng
RT: 5.491 min Scan# 409
Delta R.T. -0.006 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

Tgt Ion:112 Resp: 241739
Ion Ratio Lower Upper
112 100
64 71.1 62.1 93.1
63 35.7 31.5 47.3

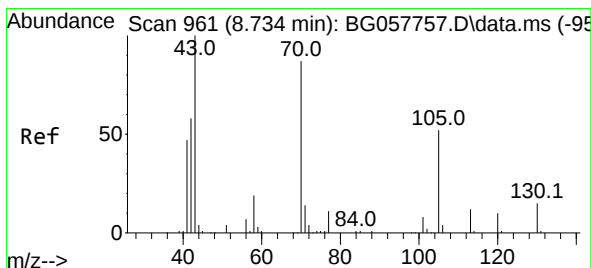
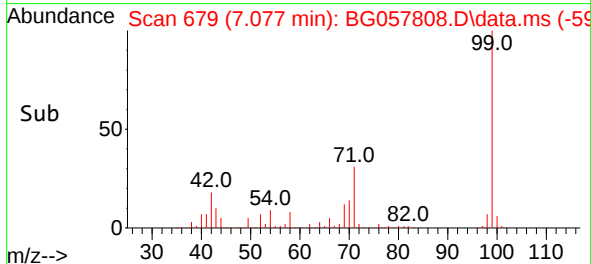
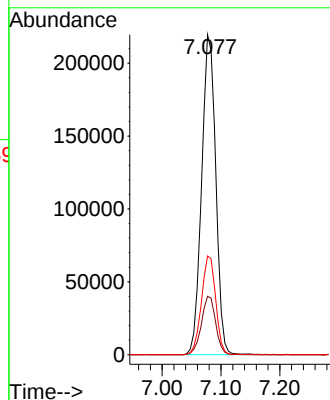
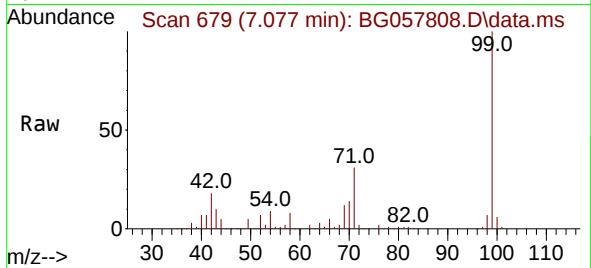




#7
Phenol-d6
Concen: 111.087 ng
RT: 7.077 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

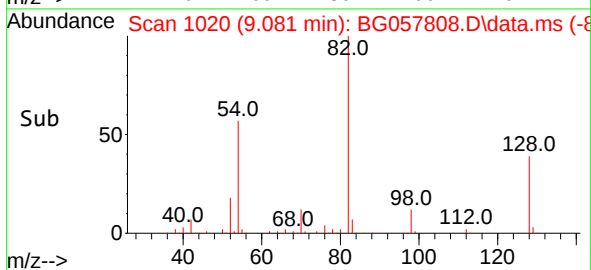
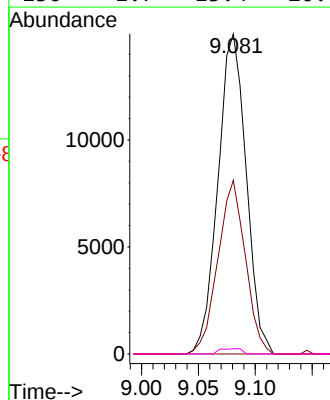
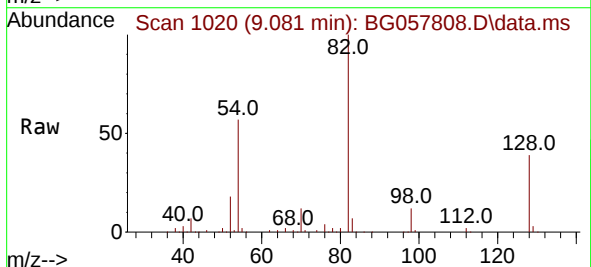
Instrument :
BNA_G
ClientSampleId :
SB-3

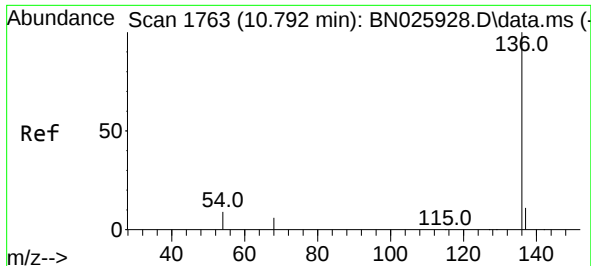
Tgt Ion: 99 Resp: 366078
Ion Ratio Lower Upper
99 100
42 18.3 16.4 24.6
71 30.9 25.8 38.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.235 ng
RT: 9.081 min Scan# 1020
Delta R.T. 0.347 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

Tgt Ion: 70 Resp: 25813
Ion Ratio Lower Upper
70 100
42 54.3 54.2 81.2
101 0.0 7.4 11.0#
130 1.7 13.4 20.0#

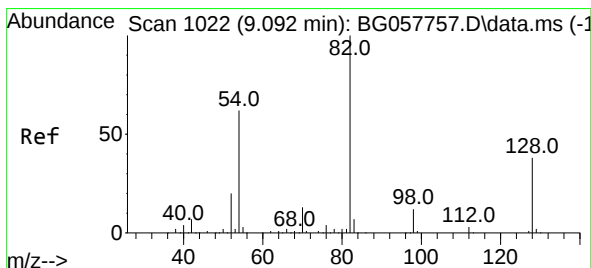
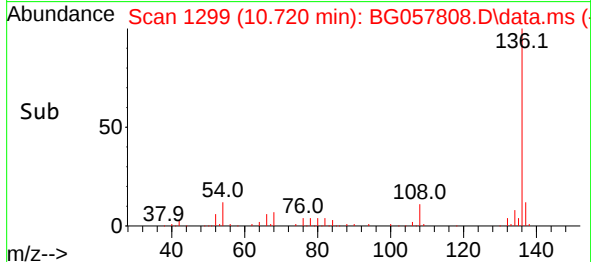
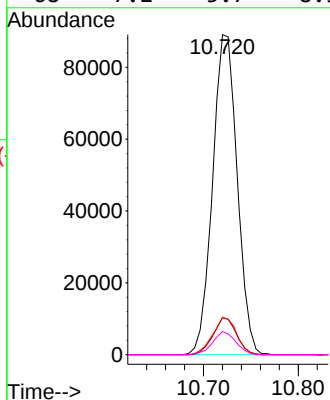
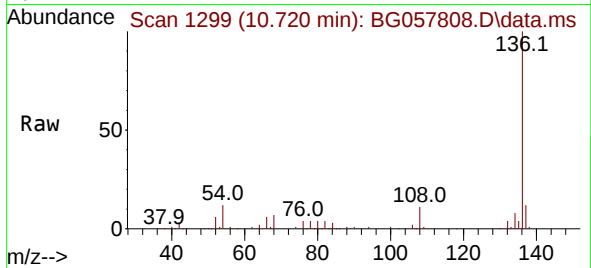




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

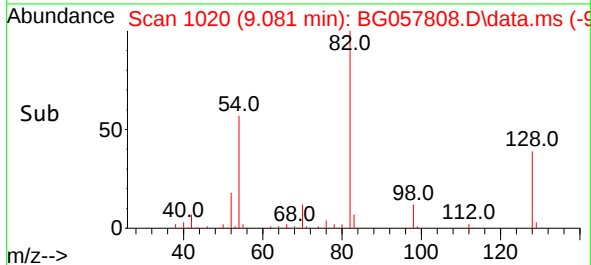
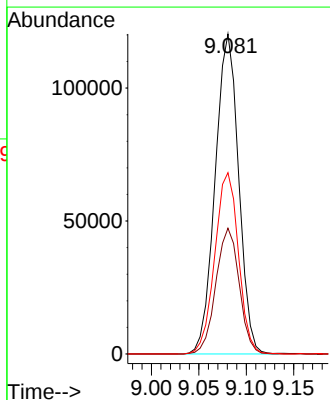
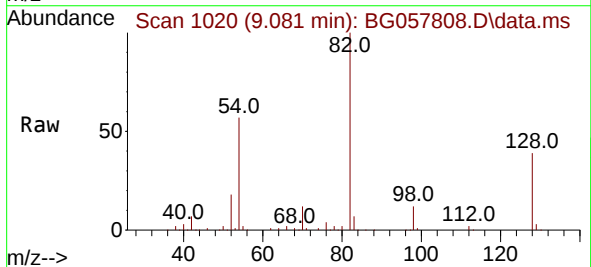
Instrument :
BNA_G
ClientSampleId :
SB-3

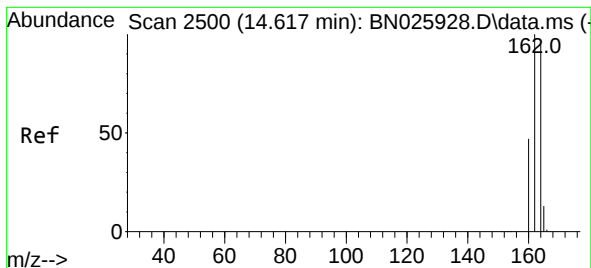
Tgt Ion:	136	Resp:	160644
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	11.6	9.5	14.3
68	7.2	5.7	8.5



#23
Nitrobenzene-d5
Concen: 66.275 ng
RT: 9.081 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

Tgt Ion:	82	Resp:	207442
Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.7	46.1
54	56.7	49.6	74.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.551 min Scan# 1951

Delta R.T. -0.012 min

Lab File: BG057808.D

Acq: 22 Jun 2023 13:45

Instrument :

BNA_G

ClientSampleId :

SB-3

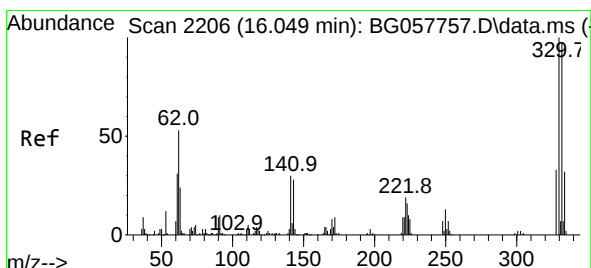
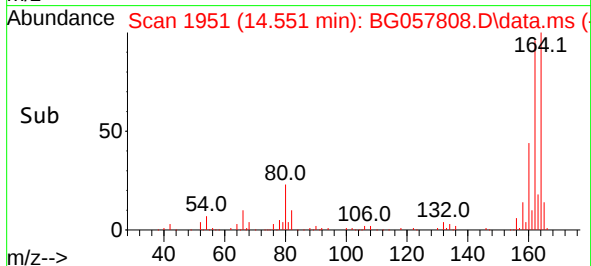
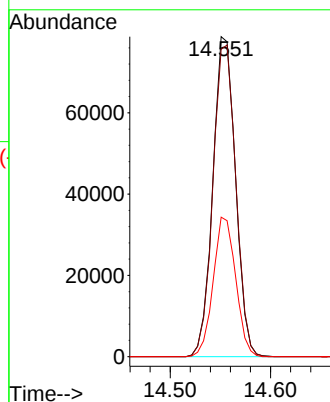
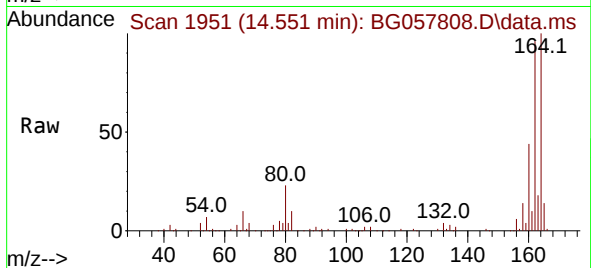
Tgt Ion:164 Resp: 123430

Ion Ratio Lower Upper

164 100

162 96.1 78.3 117.5

160 43.6 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 111.369 ng

RT: 16.043 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BG057808.D

Acq: 22 Jun 2023 13:45

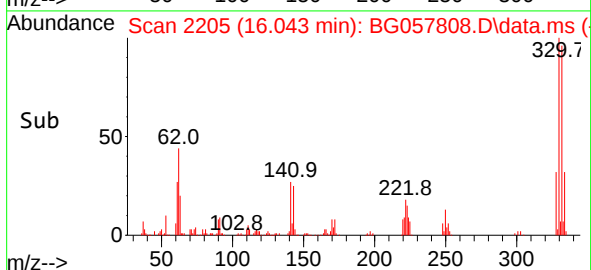
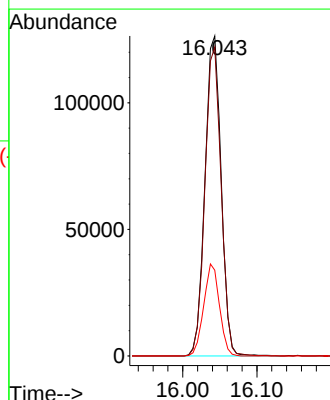
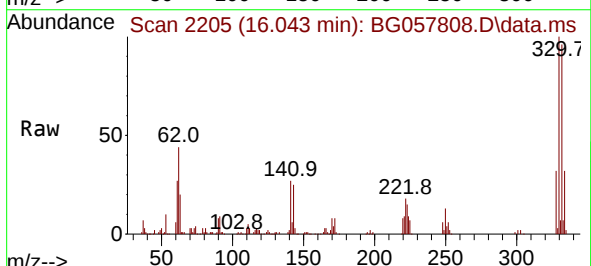
Tgt Ion:330 Resp: 191485

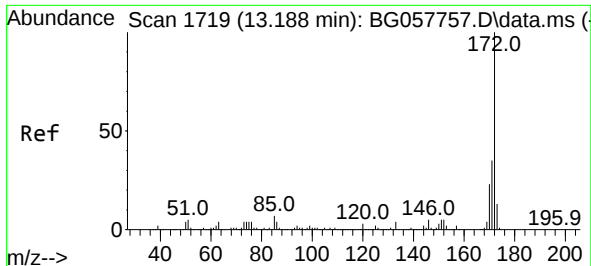
Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

141 28.0 24.7 37.1

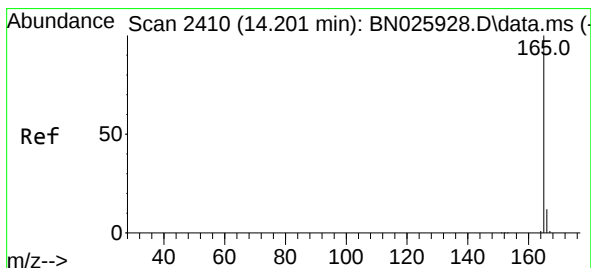
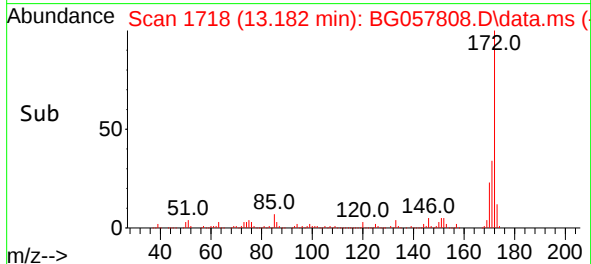
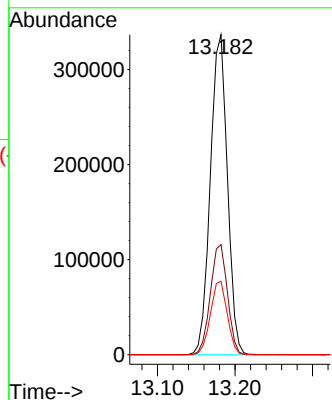
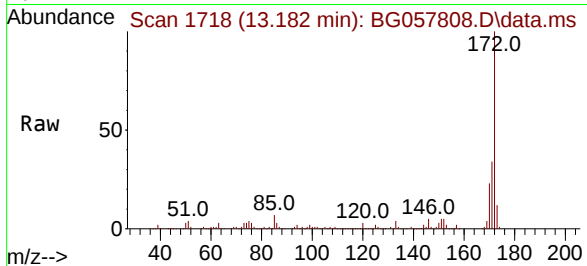




#45
2-Fluorobiphenyl
Concen: 63.156 ng
RT: 13.182 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

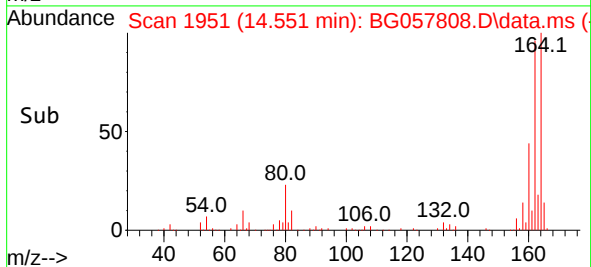
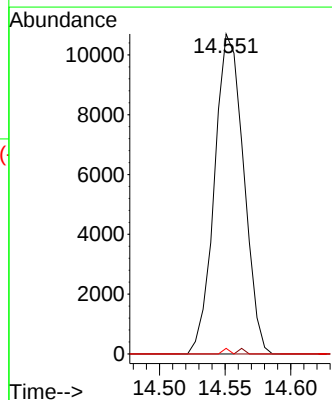
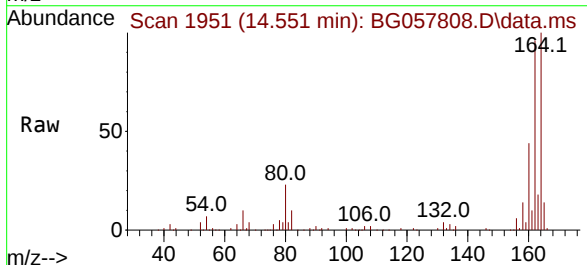
Instrument :
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ClientSampleId :
SB-3

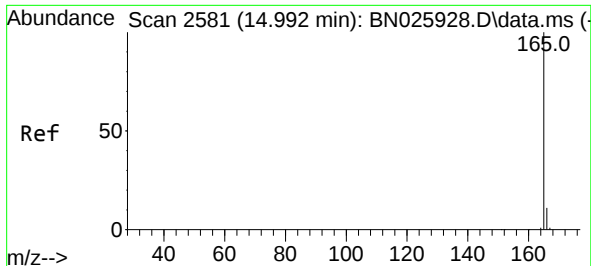
Tgt Ion:172 Resp: 513951
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.0 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 9.458 ng
RT: 14.551 min Scan# 1951
Delta R.T. 0.417 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

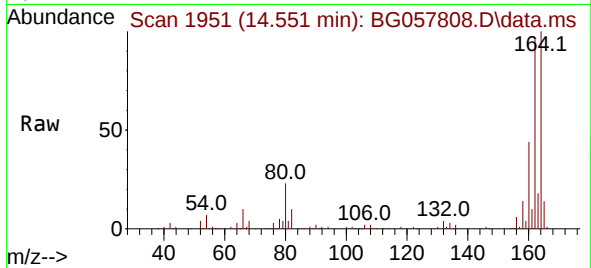
Tgt Ion:165 Resp: 16511
Ion Ratio Lower Upper
165 100
63 0.0 52.8 79.2#
89 1.8 50.7 76.1#



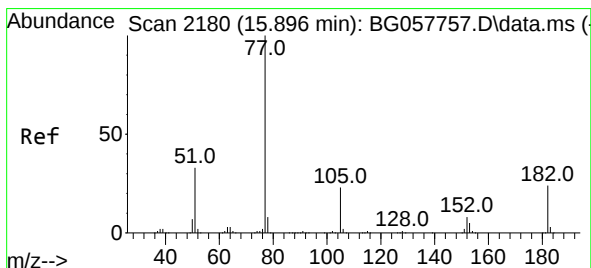
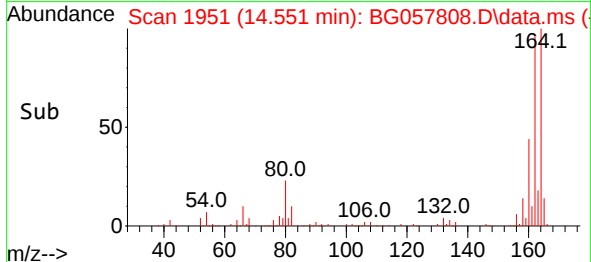
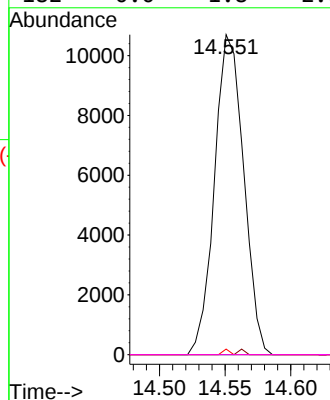


#57
2,4-Dinitrotoluene
Concen: 6.974 ng
RT: 14.551 min Scan# 1951
Delta R.T. -0.370 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

Instrument :
BNA_G
ClientSampleId :
SB-3

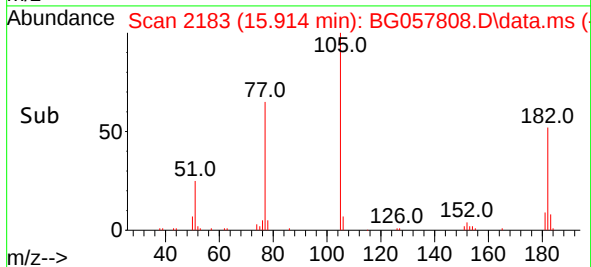
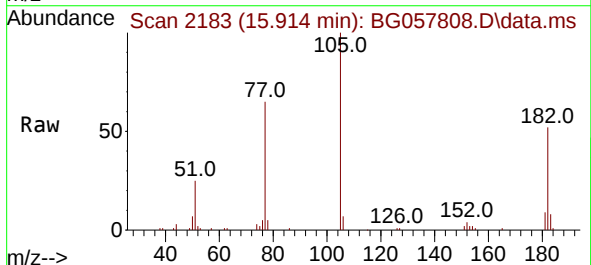
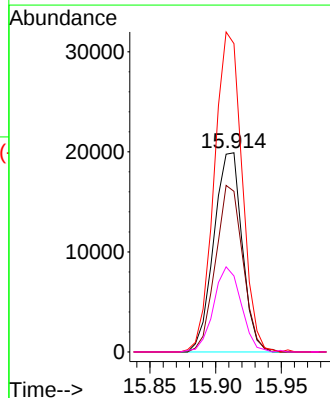


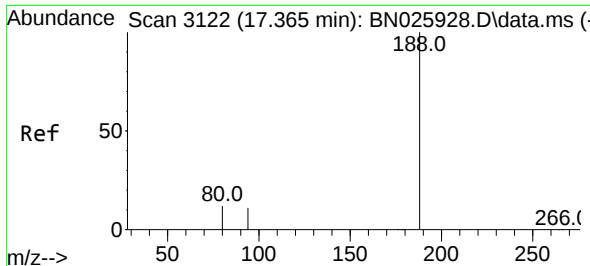
Tgt Ion:	165	Resp:	16511
Ion Ratio	Lower	Upper	
165	100		
63	0.0	38.6	58.0#
89	1.8	63.7	95.5#
182	0.0	1.8	2.6#



#63
Azobenzene
Concen: 3.004 ng
RT: 15.914 min Scan# 2183
Delta R.T. 0.018 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

Tgt Ion:	77	Resp:	29885
Ion Ratio	Lower	Upper	
77	100		
182	80.6	4.1	44.1#
105	154.8	3.3	43.3#
51	38.2	13.4	53.4

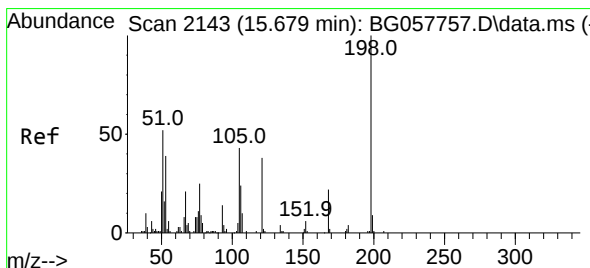
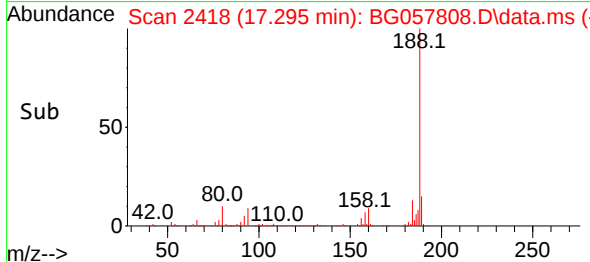
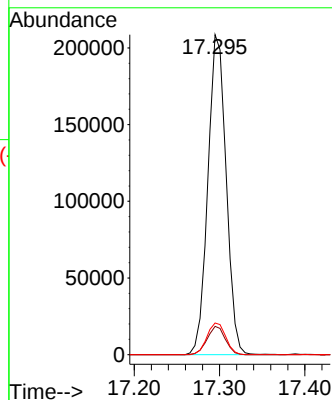
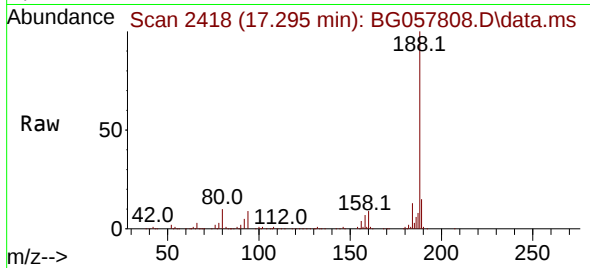




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.295 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

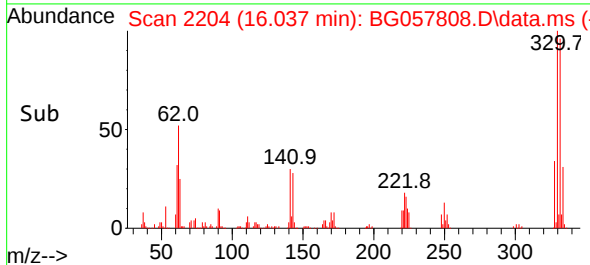
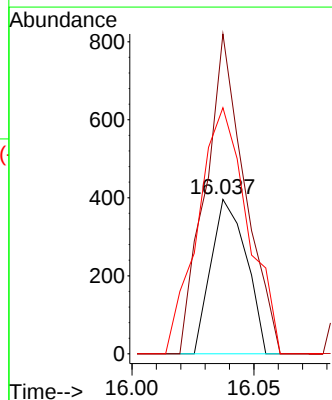
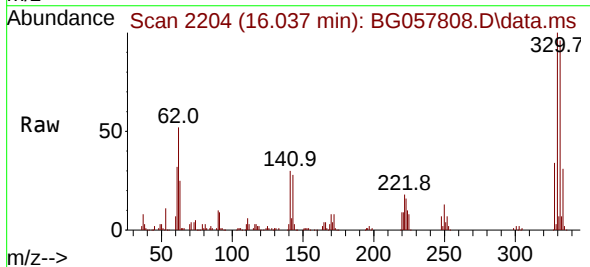
Instrument :
BNA_G
ClientSampleId :
SB-3

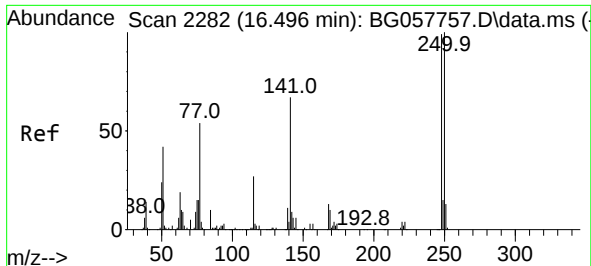
Tgt Ion:188 Resp: 310472
Ion Ratio Lower Upper
188 100
94 8.8 6.6 9.8
80 9.9 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.560 ng
RT: 16.037 min Scan# 2204
Delta R.T. 0.358 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

Tgt Ion:198 Resp: 399
Ion Ratio Lower Upper
198 100
51 207.1 36.6 76.6#
105 159.3 24.3 64.3#

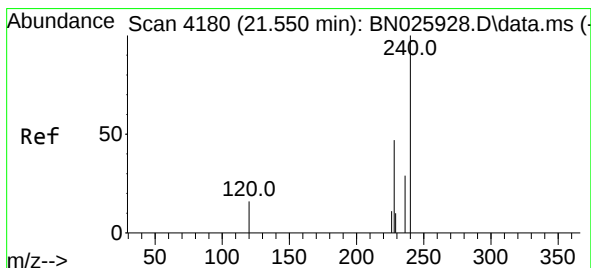
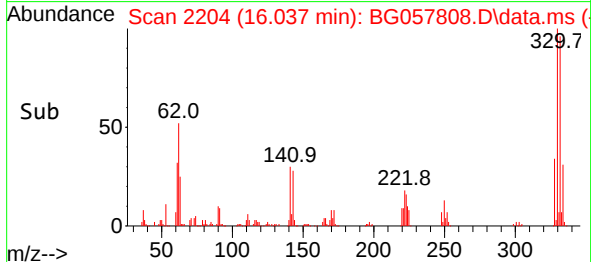
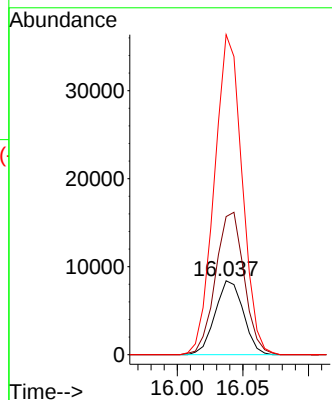
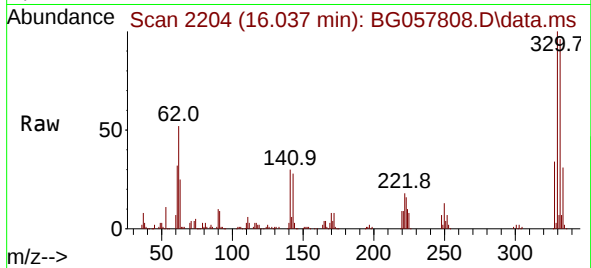




#67
4-Bromophenyl-phenylether
Concen: 3.809 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.458 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

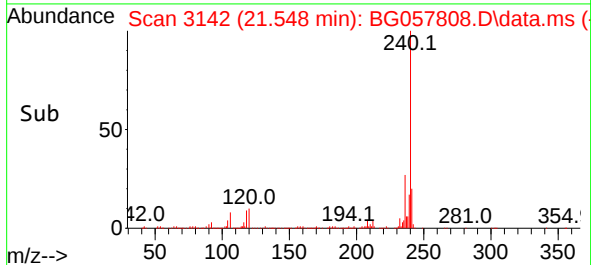
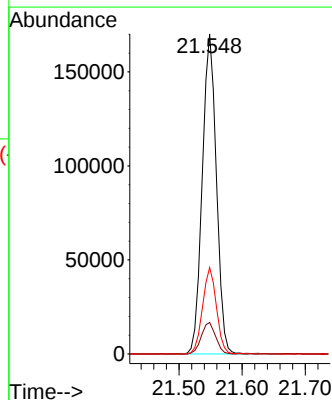
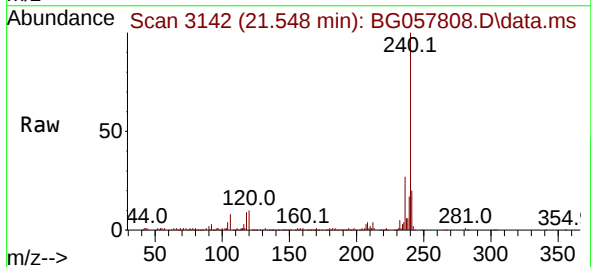
Instrument :
BNA_G
ClientSampleId :
SB-3

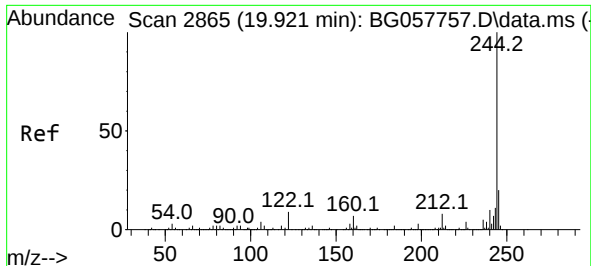
Tgt Ion:248 Resp: 12541
Ion Ratio Lower Upper
248 100
250 186.6 81.1 121.7#
141 432.4 54.6 81.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 3142
Delta R.T. -0.012 min
Lab File: BG057808.D
Acq: 22 Jun 2023 13:45

Tgt Ion:240 Resp: 264561
Ion Ratio Lower Upper
240 100
120 9.8 8.1 12.1
236 27.0 20.6 30.8

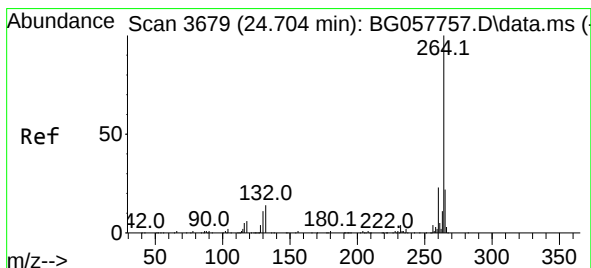
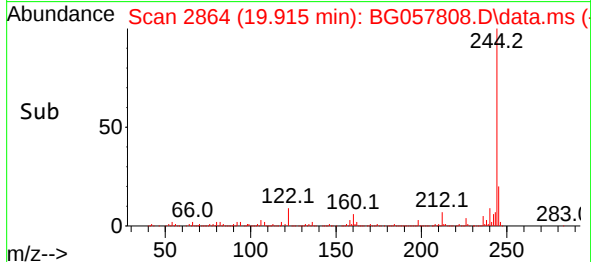
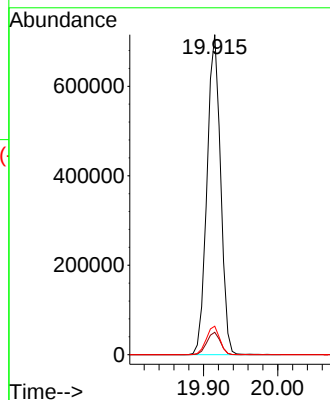
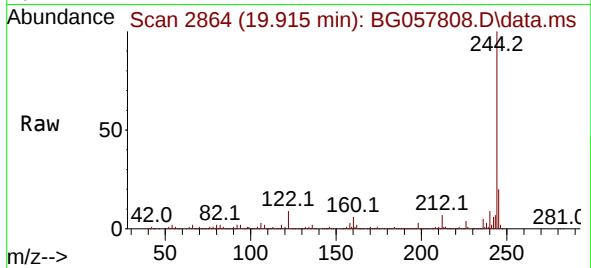




#79
 Terphenyl-d14
 Concen: 64.032 ng
 RT: 19.915 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG057808.D
 Acq: 22 Jun 2023 13:45

Instrument :
 BNA_G
 ClientSampleId :
 SB-3

Tgt Ion:244 Resp: 908499
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 8.9 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.698 min Scan# 3678
 Delta R.T. -0.006 min
 Lab File: BG057808.D
 Acq: 22 Jun 2023 13:45

Tgt Ion:264 Resp: 322582
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.5 27.7
 265 22.8 17.4 26.2

