

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060049.D
 Acq On : 16 Dec 2023 00:38
 Operator : MA/JU
 Sample : 05791-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 597-P-2

Quant Time: Dec 16 02:08:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

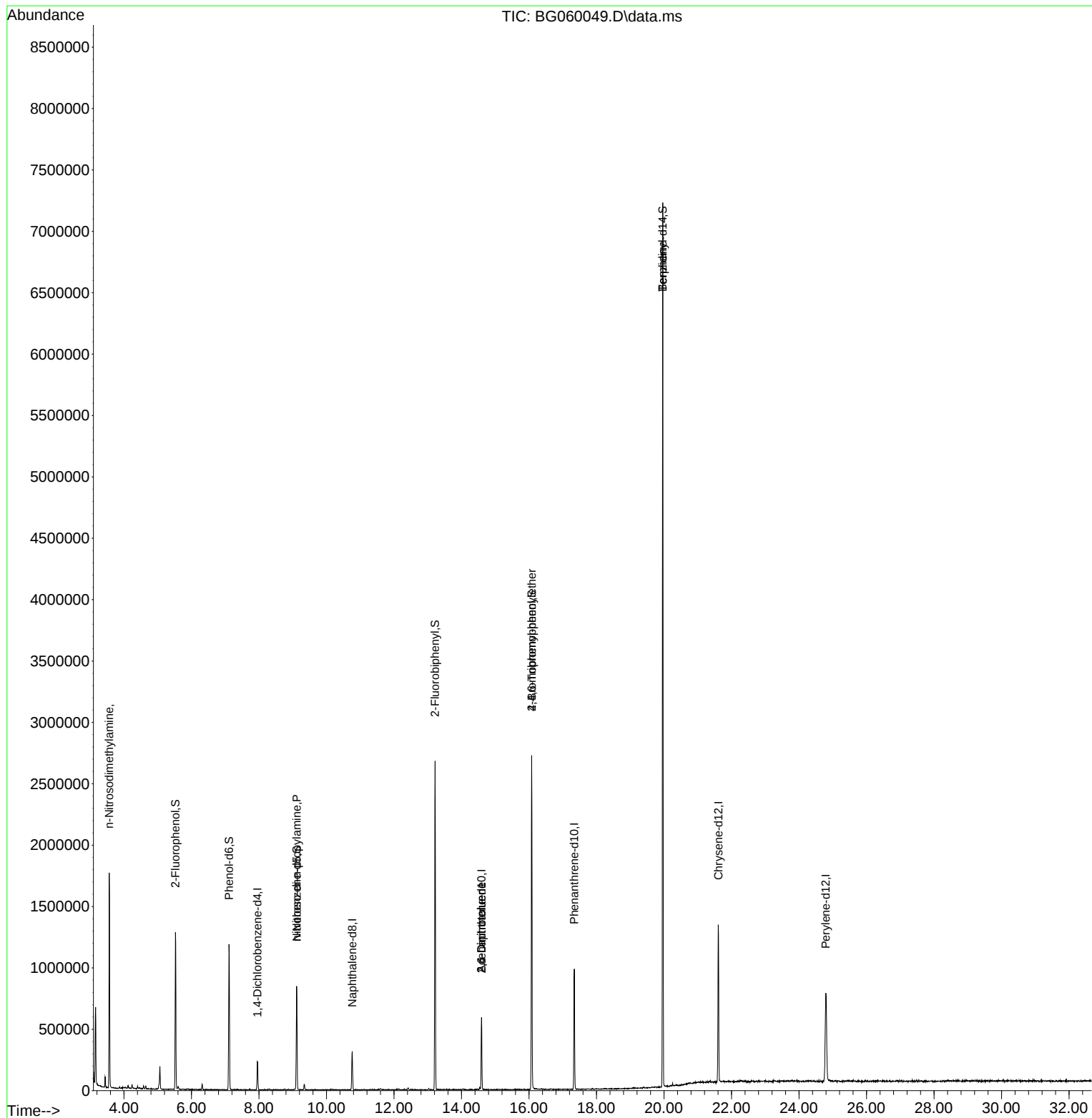
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	64944	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	246330	20.000	ng	0.00
39) Acenaphthene-d10	14.592	164	207333	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	671956	20.000	ng	0.00
76) Chrysene-d12	21.608	240	838690	20.000	ng	0.00
86) Perylene-d12	24.792	264	931249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	471765	124.352	ng	0.00
7) Phenol-d6	7.113	99	602881	112.972	ng	0.00
23) Nitrobenzene-d5	9.117	82	467710	86.217	ng	0.00
42) 2,4,6-Tribromophenol	16.079	330	629515	130.285	ng	0.00
45) 2-Fluorobiphenyl	13.218	172	1412593	83.386	ng	0.00
79) Terphenyl-d14	19.963	244	3832939	83.438	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.564	42	201381	81.434	ng	# 1
19) n-Nitroso-di-n-propyla...	9.117	70	67005	19.461	ng	# 71
51) 2,6-Dinitrotoluene	14.592	165	28718	8.614	ng	# 23
57) 2,4-Dinitrotoluene	14.592	165	28718	6.128	ng	# 26
67) 4-Bromophenyl-phenylether	16.079	248	39558	4.172	ng	# 1
69) Atrazine	16.784	200	63	Below Cal		# 36
77) Benzidine	19.963	184	64196	5.959	ng	# 96

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

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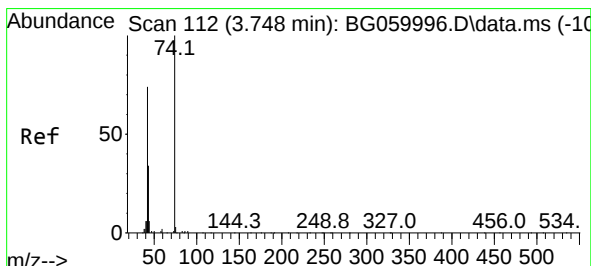
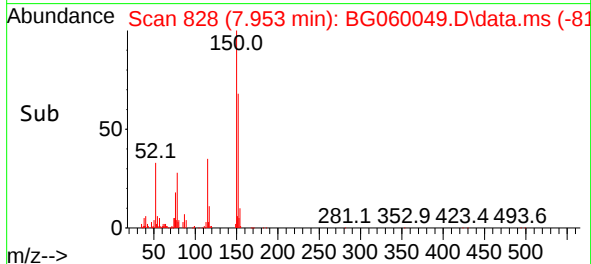
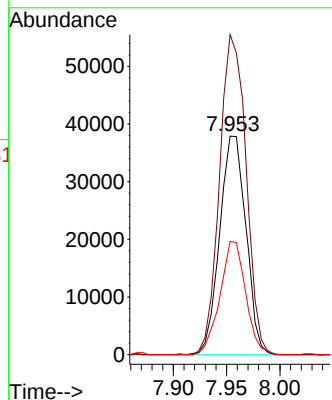
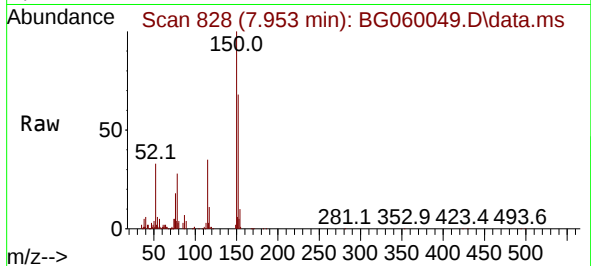




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

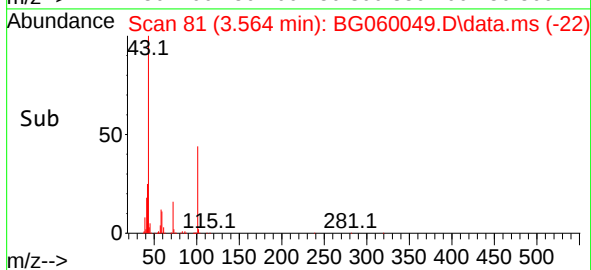
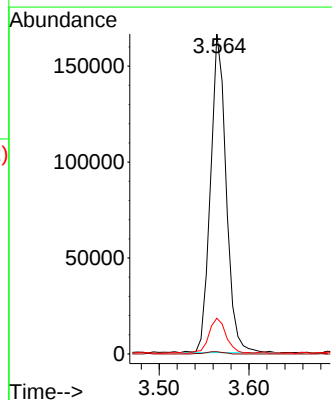
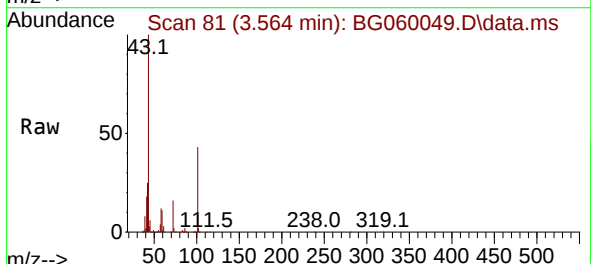
Instrument :
BNA_G
ClientSampleId :
597-P-2

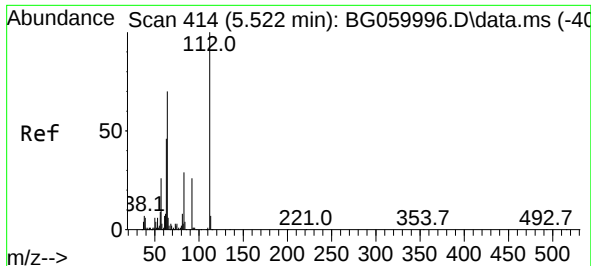
Tgt Ion:152 Resp: 64944
Ion Ratio Lower Upper
152 100
150 146.4 127.0 190.6
115 51.8 45.7 68.5



#4
n-Nitrosodimethylamine
Concen: 81.434 ng
RT: 3.564 min Scan# 81
Delta R.T. -0.184 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

Tgt Ion: 42 Resp: 201381
Ion Ratio Lower Upper
42 100
74 0.7 107.4 161.2#
44 11.2 6.0 9.0#

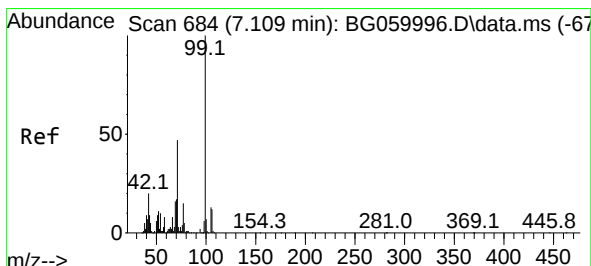
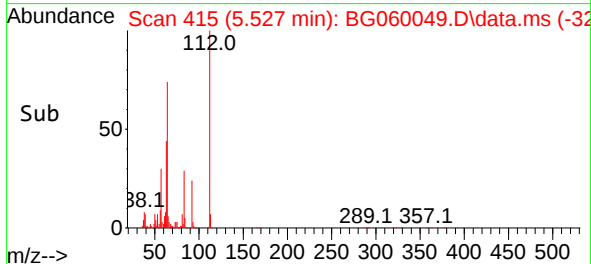
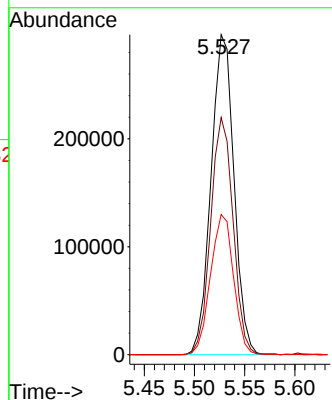
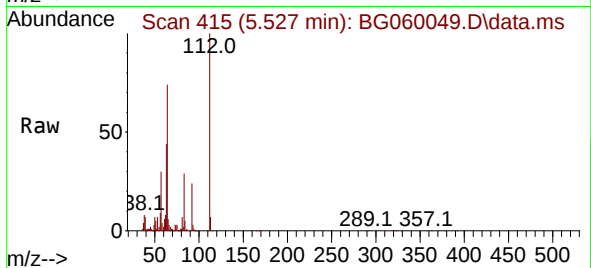




#5
2-Fluorophenol
Concen: 124.352 ng
RT: 5.527 min Scan# 414
Delta R.T. 0.005 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

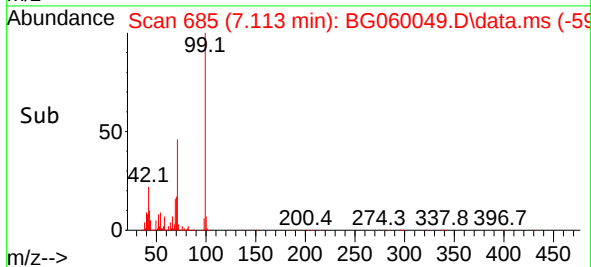
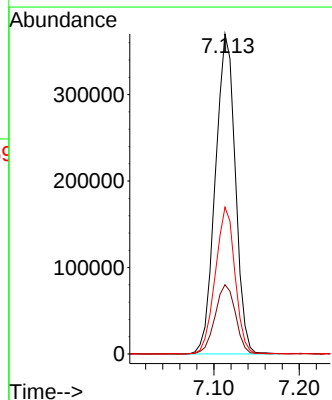
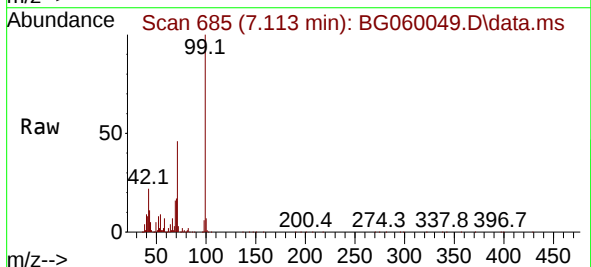
Instrument :
BNA_G
ClientSampleId :
597-P-2

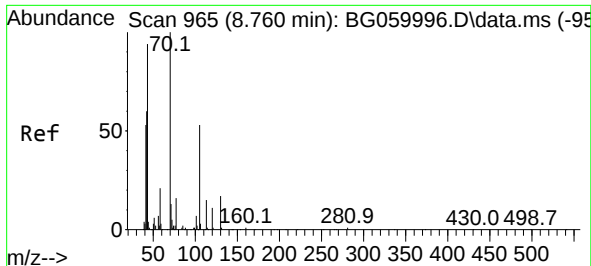
Tgt Ion:112 Resp: 471765
Ion Ratio Lower Upper
112 100
64 74.1 55.9 83.9
63 43.8 36.5 54.7



#7
Phenol-d6
Concen: 112.972 ng
RT: 7.113 min Scan# 685
Delta R.T. 0.004 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

Tgt Ion: 99 Resp: 602881
Ion Ratio Lower Upper
99 100
42 21.6 16.2 24.4
71 45.8 37.6 56.4

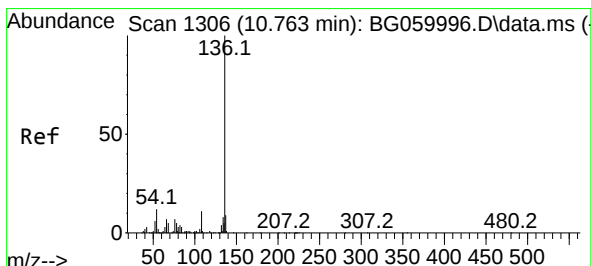
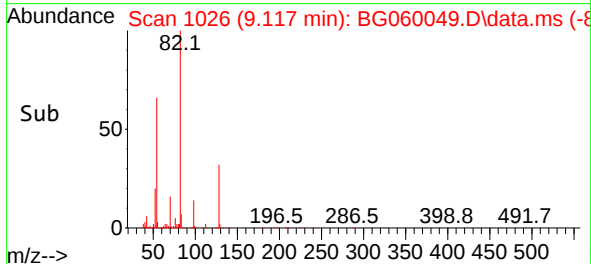
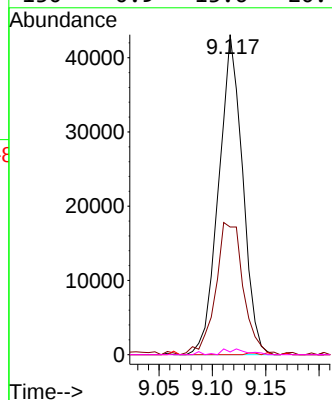
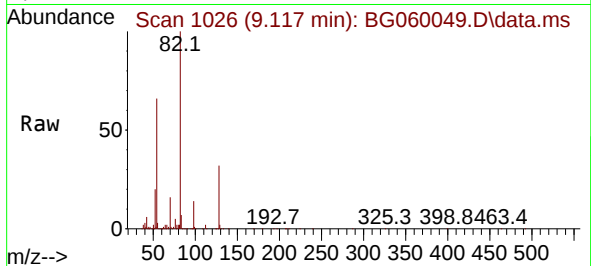




#19
n-Nitroso-di-n-propylamine
Concen: 19.461 ng
RT: 9.117 min Scan# 1026
Delta R.T. 0.357 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

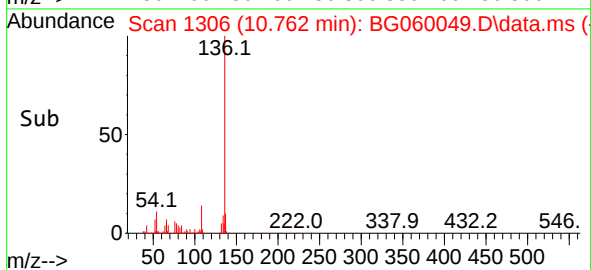
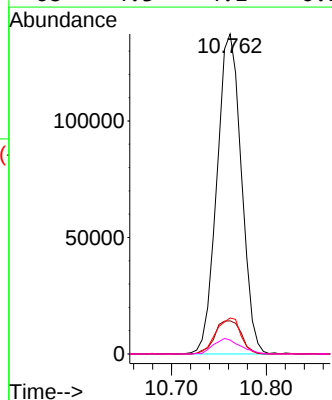
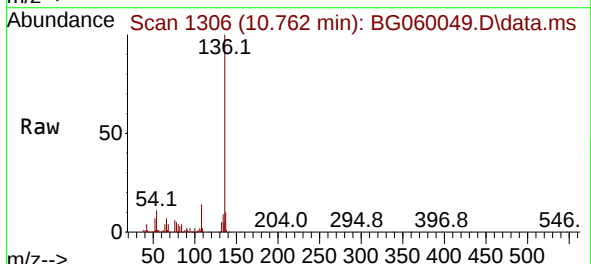
Instrument :
BNA_G
ClientSampleId :
597-P-2

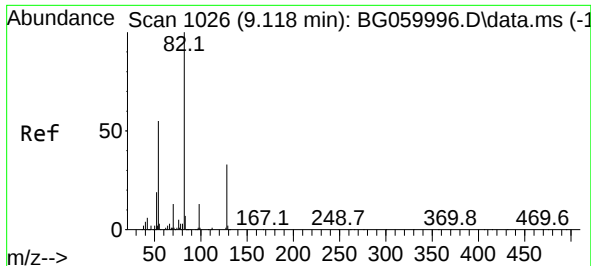
Tgt Ion: 70 Resp: 67005
Ion Ratio Lower Upper
70 100
42 39.9 48.6 73.0#
101 0.0 5.7 8.5#
130 0.9 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.002 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

Tgt Ion:136 Resp: 246330
Ion Ratio Lower Upper
136 100
137 10.4 7.3 10.9
54 11.2 9.6 14.4
68 4.3 4.1 6.1

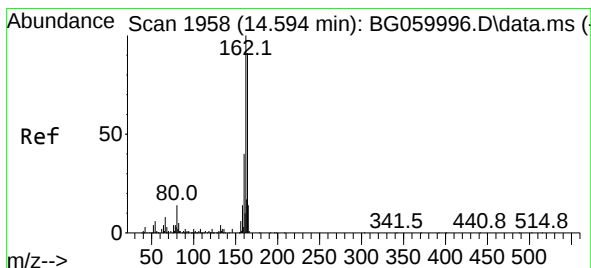
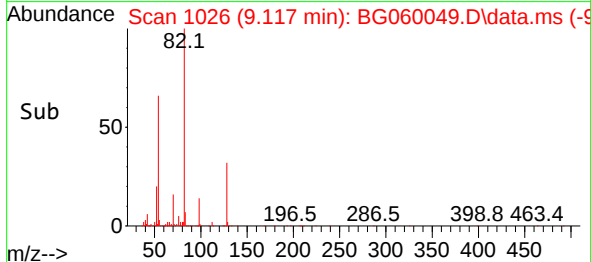
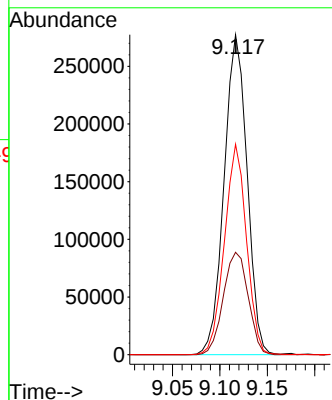
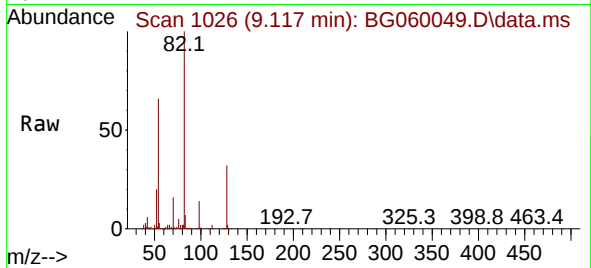




#23
Nitrobenzene-d5
Concen: 86.217 ng
RT: 9.117 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

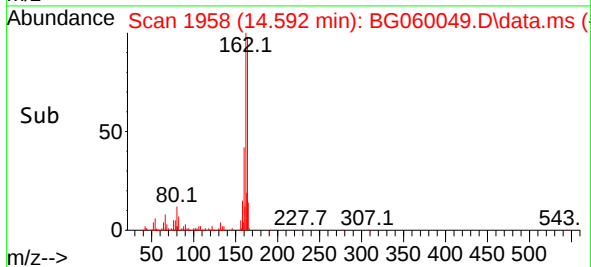
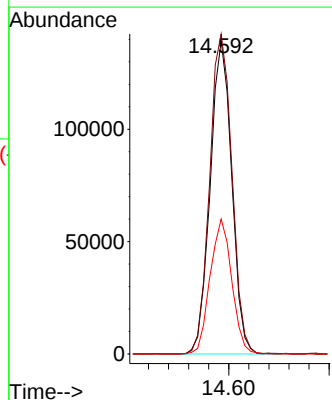
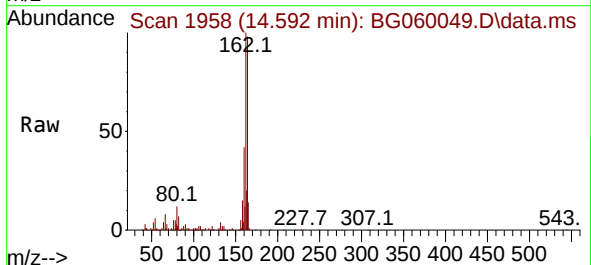
Instrument :
BNA_G
ClientSampleId :
597-P-2

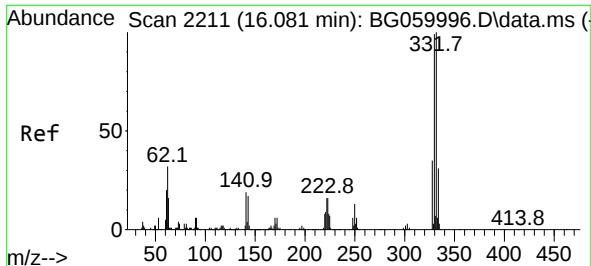
Tgt Ion: 82 Resp: 467710
Ion Ratio Lower Upper
82 100
128 32.0 26.3 39.5
54 65.7 44.3 66.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.002 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

Tgt Ion:164 Resp: 207333
Ion Ratio Lower Upper
164 100
162 102.2 88.1 132.1
160 43.1 35.4 53.0

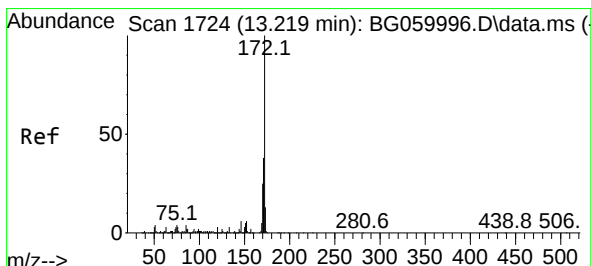
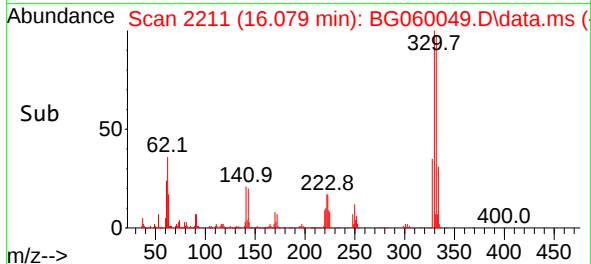
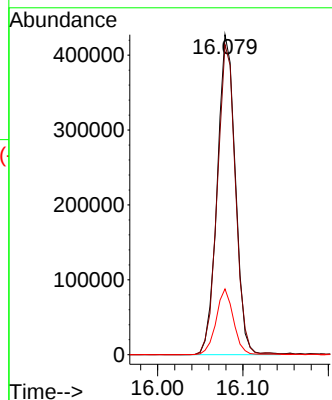
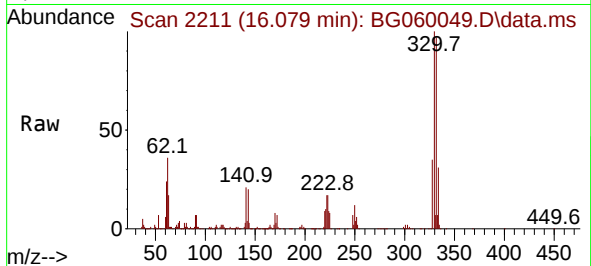




#42
2,4,6-Tribromophenol
Concen: 130.285 ng
RT: 16.079 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

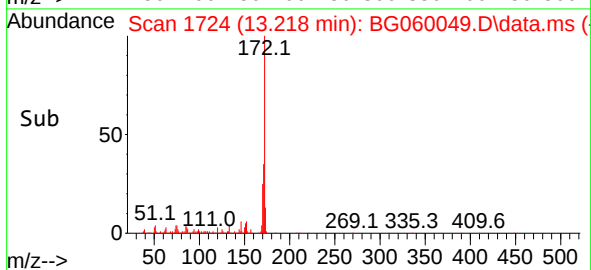
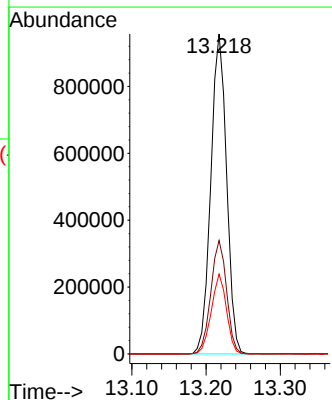
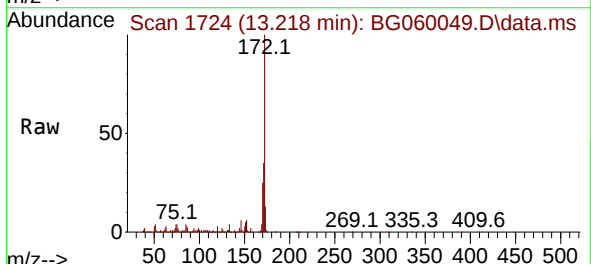
Instrument :
BNA_G
ClientSampleId :
597-P-2

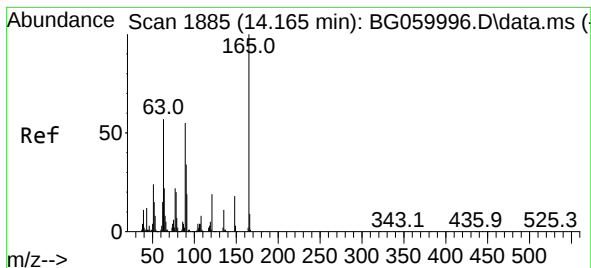
Tgt Ion:330 Resp: 629515
Ion Ratio Lower Upper
330 100
332 97.3 76.2 114.4
141 19.8 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 83.386 ng
RT: 13.218 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

Tgt Ion:172 Resp: 1412593
Ion Ratio Lower Upper
172 100
171 35.4 30.1 45.1
170 25.0 20.0 30.0

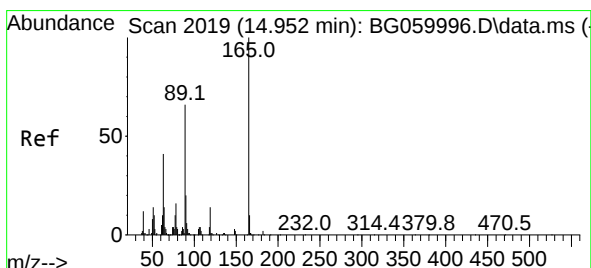
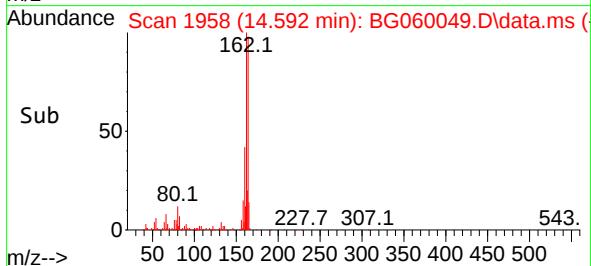
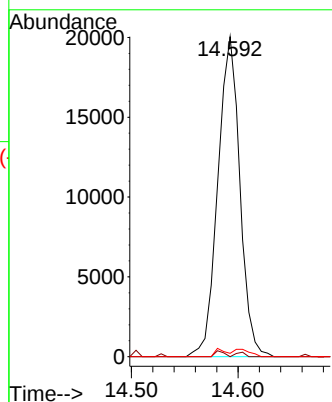
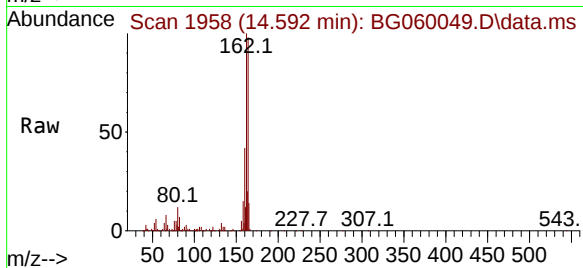




#51
2,6-Dinitrotoluene
Concen: 8.614 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.427 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

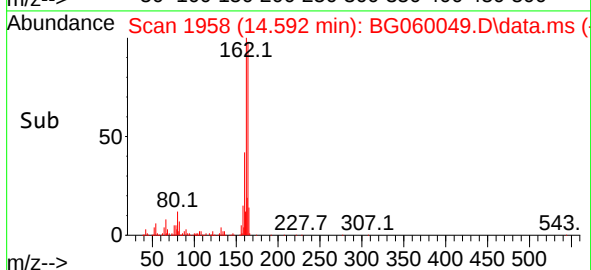
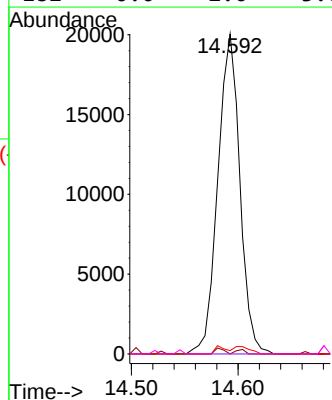
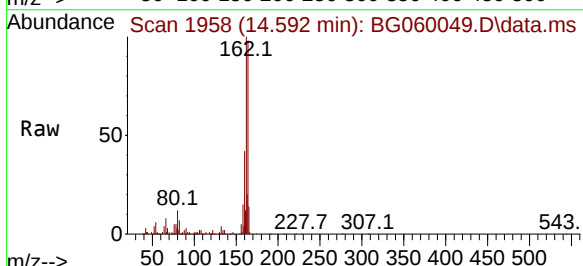
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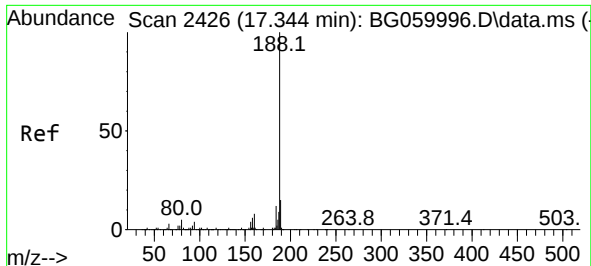
Tgt Ion:165 Resp: 28718
Ion Ratio Lower Upper
165 100
63 0.0 48.2 72.2#
89 1.1 44.4 66.6#



#57
2,4-Dinitrotoluene
Concen: 6.128 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.360 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

Tgt Ion:165 Resp: 28718
Ion Ratio Lower Upper
165 100
63 0.0 32.8 49.2#
89 1.1 53.0 79.6#
182 0.0 2.0 3.0#

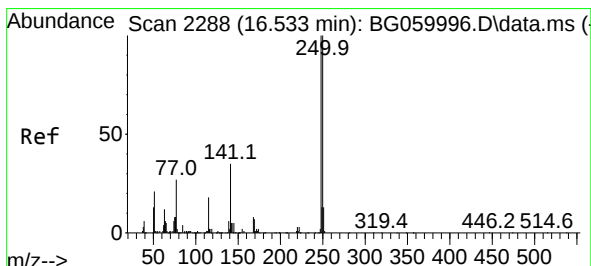
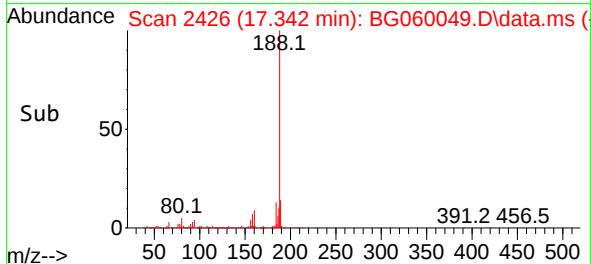
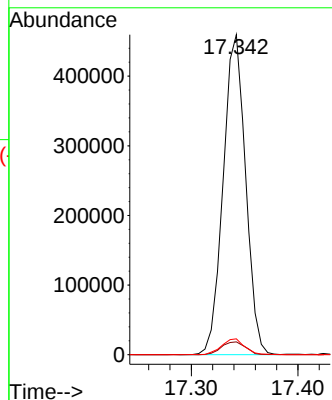
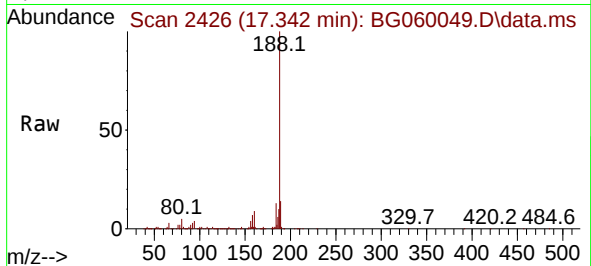




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.002 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

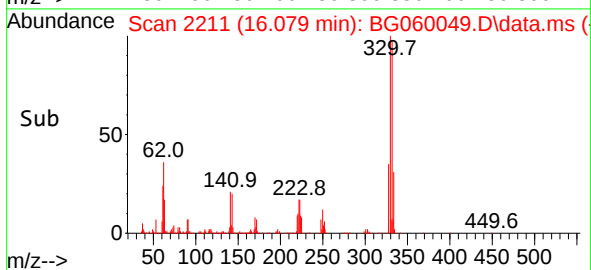
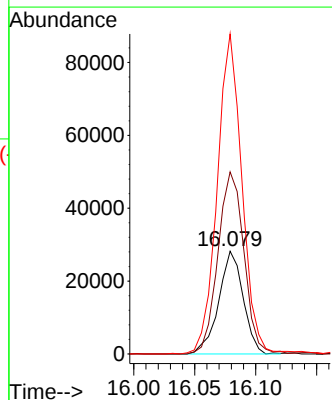
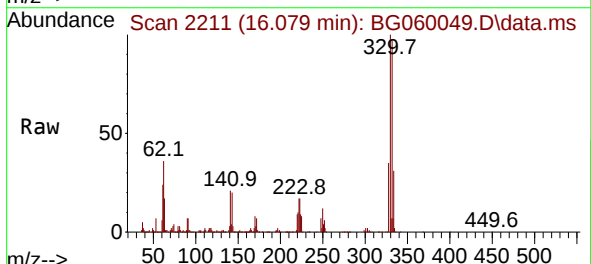
Instrument :
BNA_G
ClientSampleId :
597-P-2

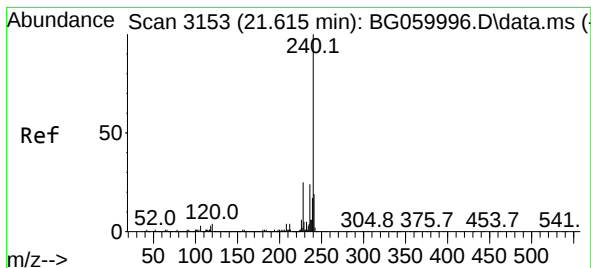
Tgt Ion:188 Resp: 671956
Ion Ratio Lower Upper
188 100
94 4.0 3.0 4.6
80 5.0 4.0 6.0



#67
4-Bromophenyl-phenylether
Concen: 4.172 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.454 min
Lab File: BG060049.D
Acq: 16 Dec 2023 00:38

Tgt Ion:248 Resp: 39558
Ion Ratio Lower Upper
248 100
250 177.3 79.9 119.9#
141 311.7 28.3 42.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.608 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG060049.D

Acq: 16 Dec 2023 00:38

Instrument :

BNA_G

ClientSampleId :

597-P-2

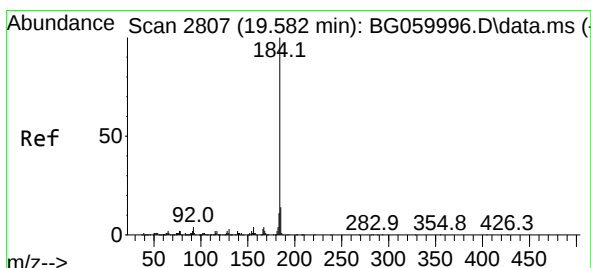
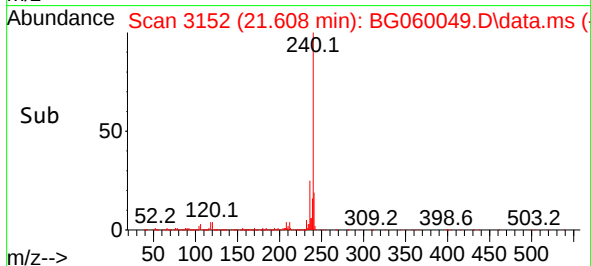
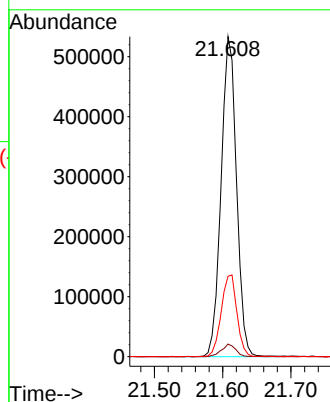
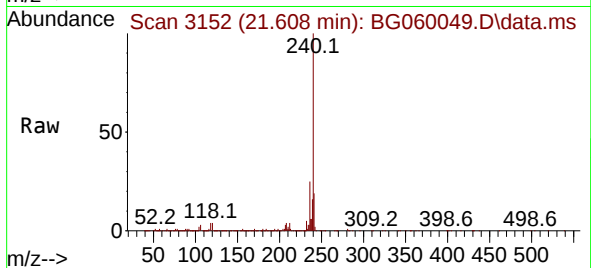
Tgt Ion:240 Resp: 838690

Ion Ratio Lower Upper

240 100

120 4.0 2.9 4.3

236 25.1 19.4 29.2



#77

Benzidine

Concen: 5.959 ng

RT: 19.963 min Scan# 2872

Delta R.T. 0.380 min

Lab File: BG060049.D

Acq: 16 Dec 2023 00:38

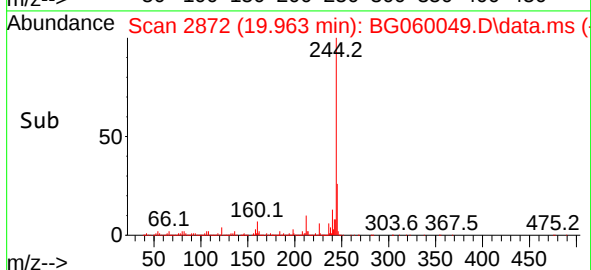
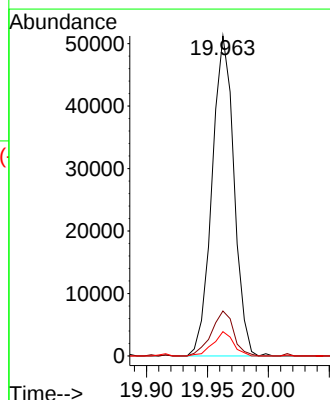
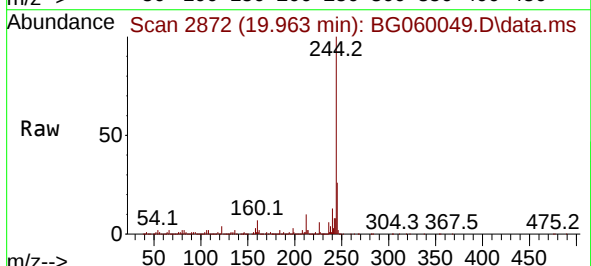
Tgt Ion:184 Resp: 64196

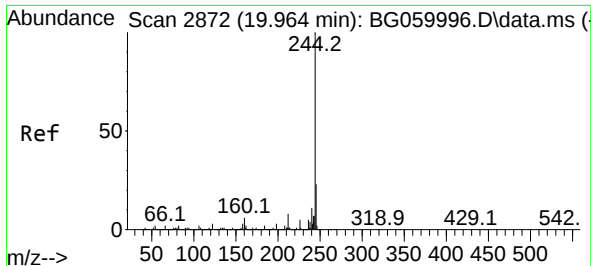
Ion Ratio Lower Upper

184 100

185 14.0 11.1 16.7

183 7.6 9.0 13.4#

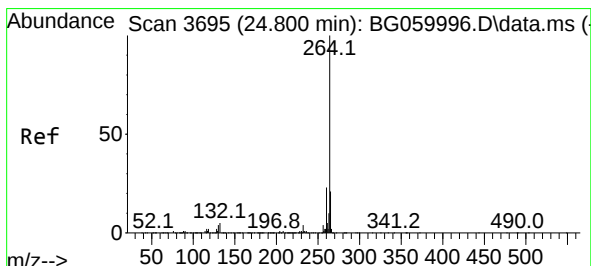
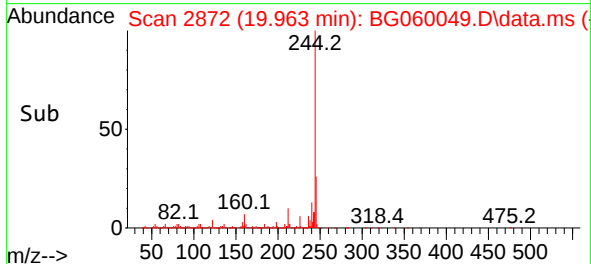
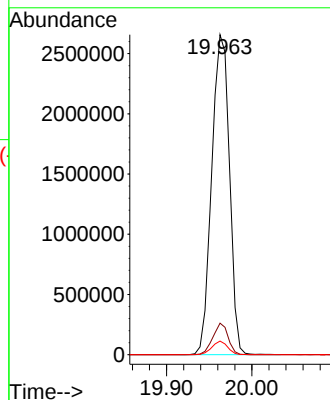
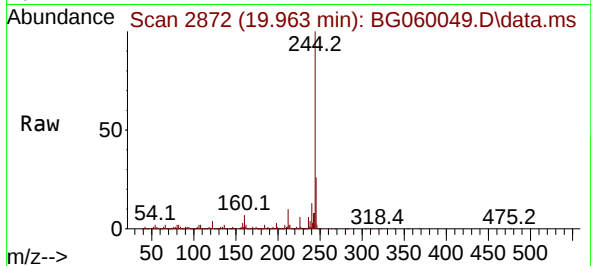




#79
 Terphenyl-d14
 Concen: 83.438 ng
 RT: 19.963 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG060049.D
 Acq: 16 Dec 2023 00:38

Instrument :
 BNA_G
 ClientSampleId :
 597-P-2

Tgt Ion:244 Resp: 3832939
 Ion Ratio Lower Upper
 244 100
 212 9.8 6.8 10.2
 122 4.3 2.6 3.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.792 min Scan# 3694
 Delta R.T. -0.008 min
 Lab File: BG060049.D
 Acq: 16 Dec 2023 00:38

Tgt Ion:264 Resp: 931249
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 20.1 17.3 25.9

