

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057520.D
 Acq On : 23 May 2023 15:16
 Operator : CG/JU
 Sample : 02892-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-33

Quant Time: May 23 16:39:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

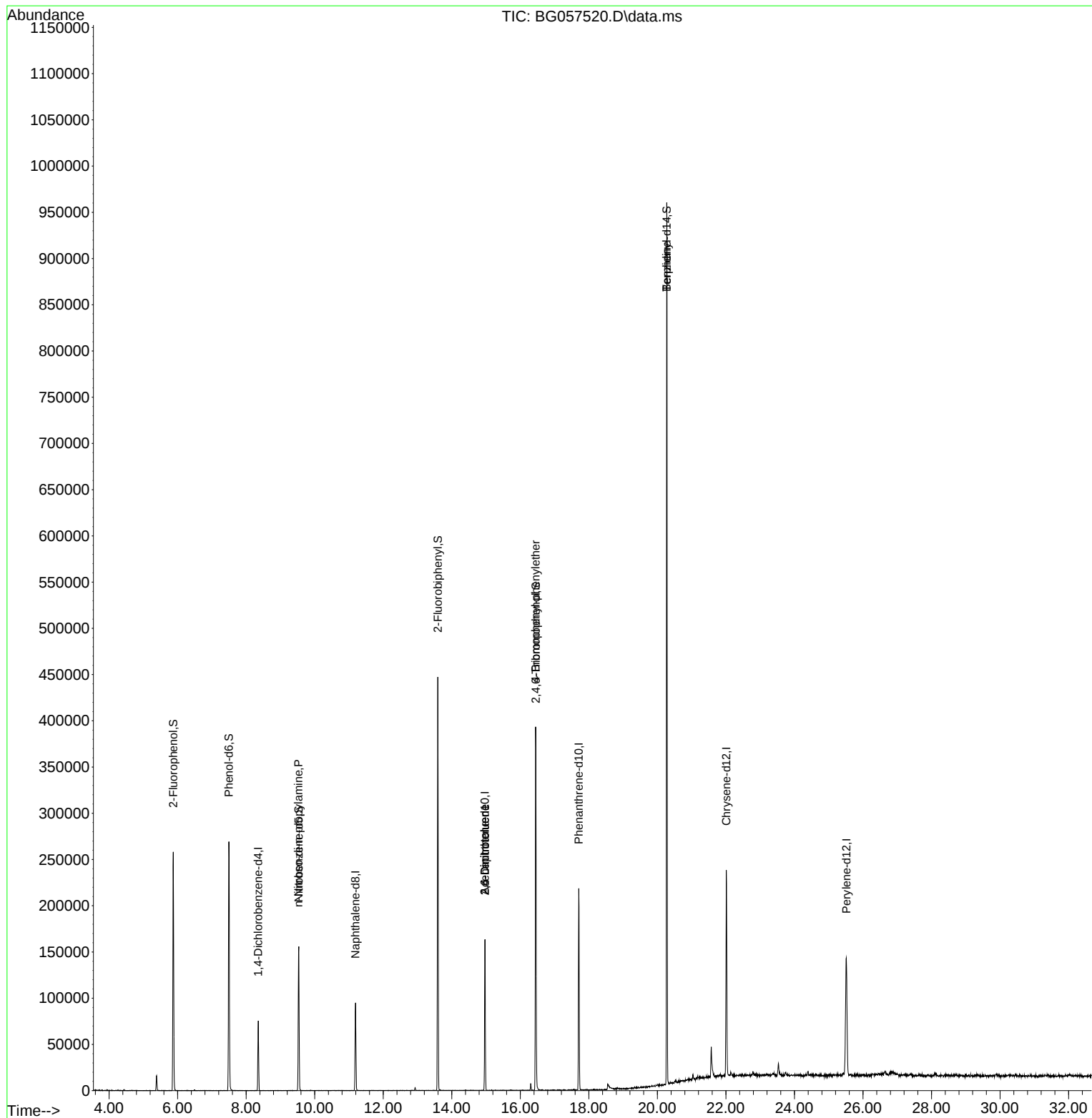
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.354	152	21604	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	81776	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	58318	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	149963	20.000	ng	0.00
76) Chrysene-d12	22.012	240	147684	20.000	ng	0.00
86) Perylene-d12	25.514	264	159456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	116633	92.350	ng	0.00
7) Phenol-d6	7.497	99	169380	88.319	ng	0.00
23) Nitrobenzene-d5	9.535	82	102422	52.567	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	85869	103.773	ng	0.00
45) 2-Fluorobiphenyl	13.594	172	240495	55.540	ng	0.00
79) Terphenyl-d14	20.274	244	505119	55.816	ng	0.00
Target Compounds						
9) Benzaldehyde	7.503	77	223	Below Cal	Qvalue	# 4
19) n-Nitroso-di-n-propyla...	9.529	70	14658	10.023	ng	# 79
51) 2,6-Dinitrotoluene	14.969	165	7753	7.924	ng	# 17
57) 2,4-Dinitrotoluene	14.969	165	7753	5.544	ng	# 20
67) 4-Bromophenyl-phenylether	16.449	248	5841	3.191	ng	# 1
77) Benzidine	20.274	184	6920	2.096	ng	# 94

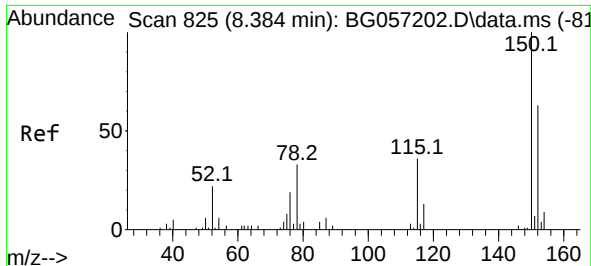
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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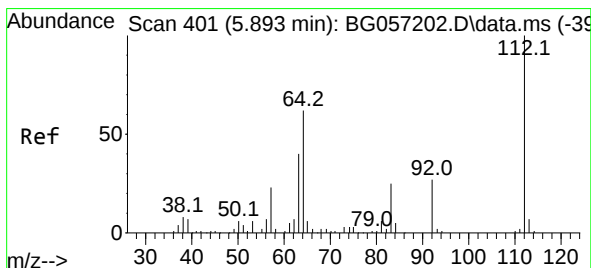
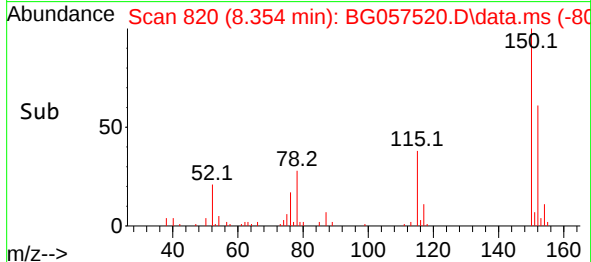
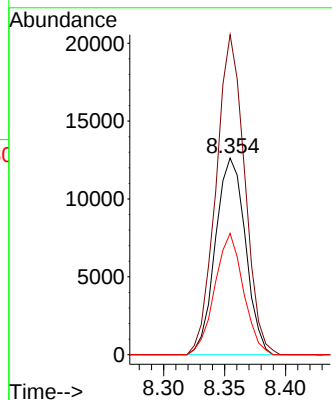
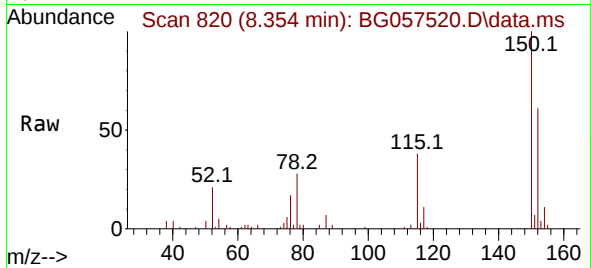




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.354 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

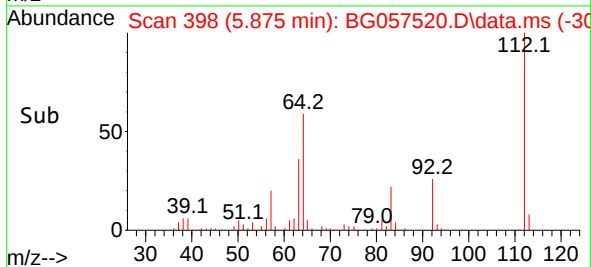
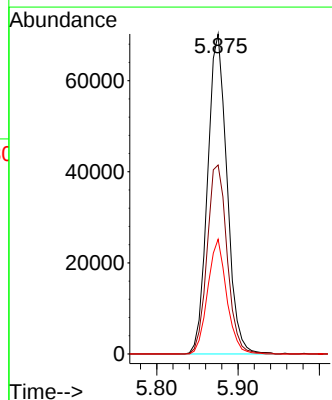
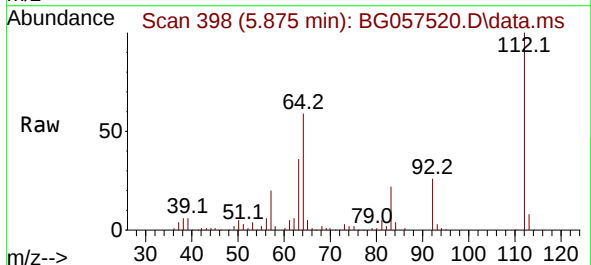
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BNA_G
ClientSampleId :
TP-33

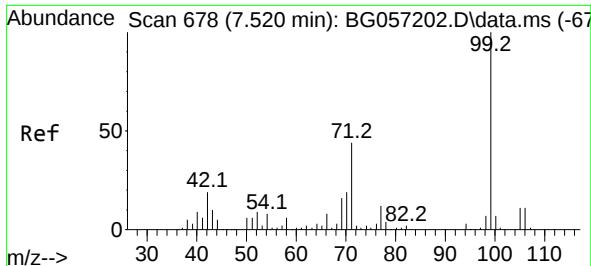
Tgt Ion:152 Resp: 21604
Ion Ratio Lower Upper
152 100
150 162.7 126.2 189.4
115 61.7 45.0 67.4



#5
2-Fluorophenol
Concen: 92.350 ng
RT: 5.875 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

Tgt Ion:112 Resp: 116633
Ion Ratio Lower Upper
112 100
64 59.1 49.4 74.2
63 35.9 31.6 47.4

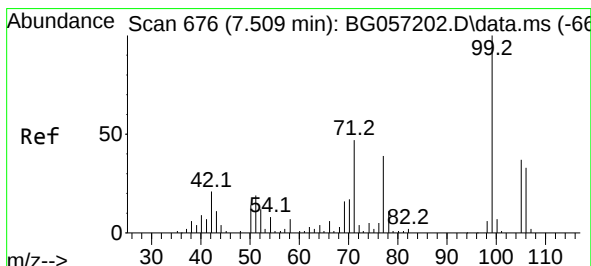
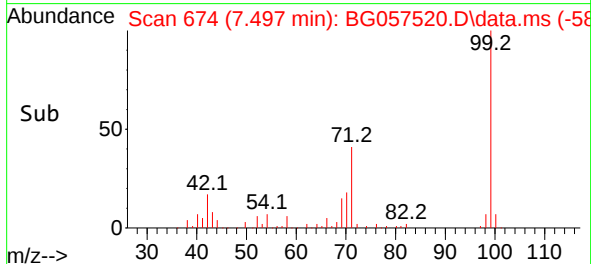
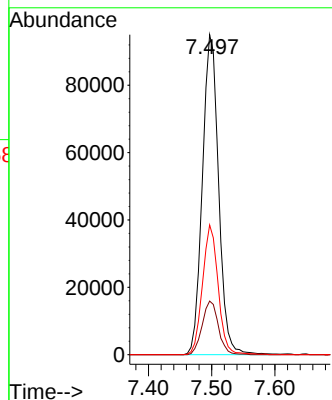
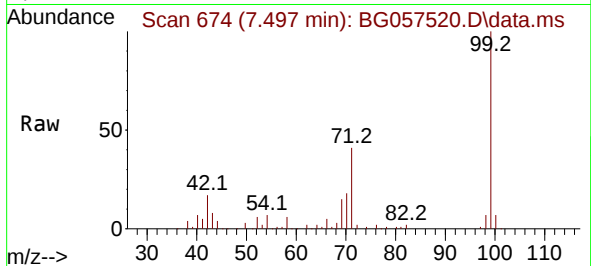




#7
Phenol-d6
Concen: 88.319 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

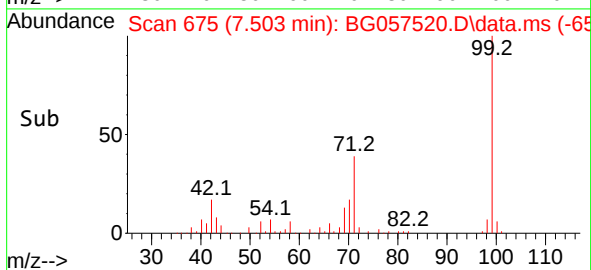
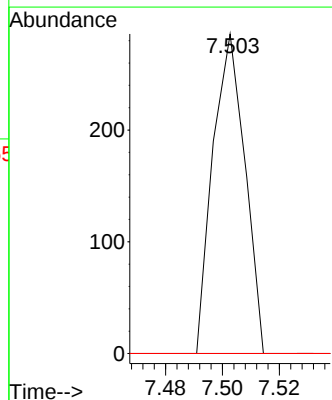
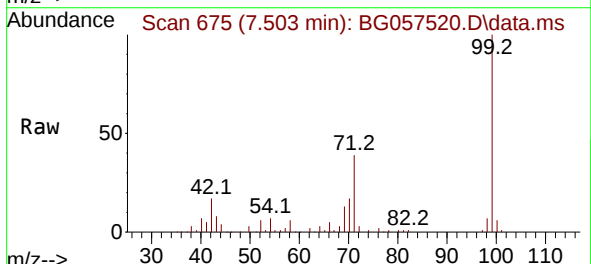
Instrument :
BNA_G
ClientSampleId :
TP-33

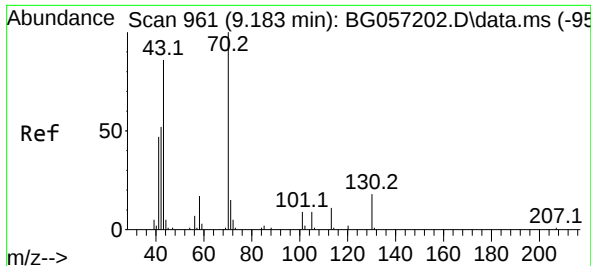
Tgt Ion: 99 Resp: 169380
Ion Ratio Lower Upper
99 100
42 16.7 15.1 22.7
71 40.5 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.503 min Scan# 675
Delta R.T. 0.016 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

Tgt Ion: 77 Resp: 223
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

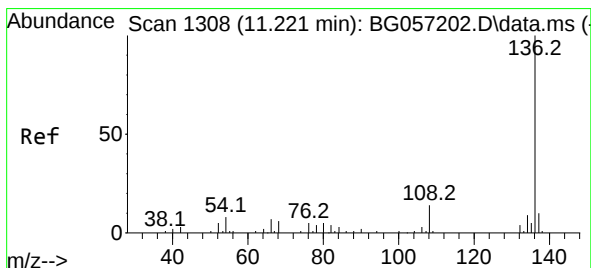
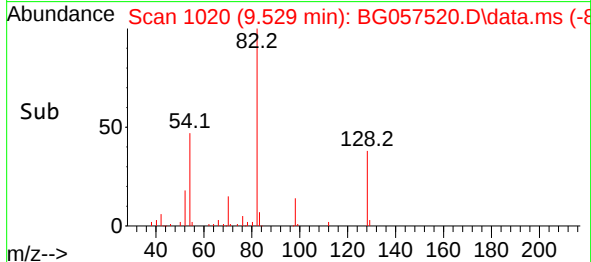
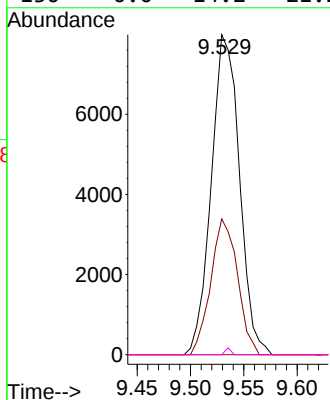
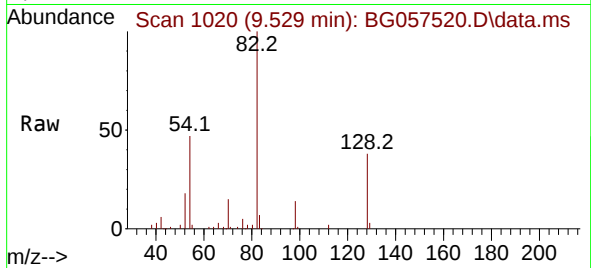




#19
n-Nitroso-di-n-propylamine
Concen: 10.023 ng
RT: 9.529 min Scan# 1020
Delta R.T. 0.369 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

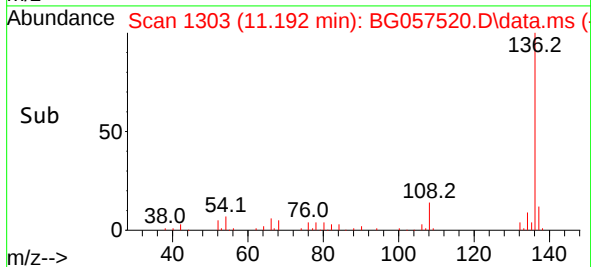
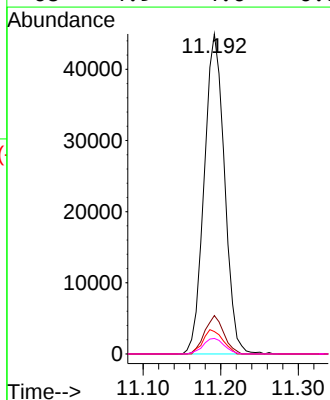
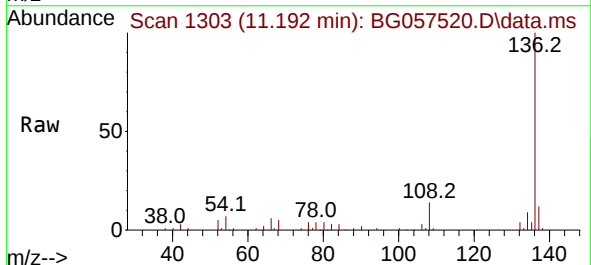
Instrument :
BNA_G
ClientSampleId :
TP-33

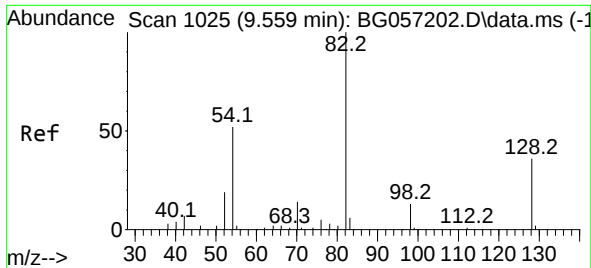
Tgt Ion: 70	Resp: 14658
Ion Ratio	Lower Upper
70 100	
42 42.4	41.8 62.8
101 0.0	6.8 10.2#
130 0.0	14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

Tgt	Ion:136	Resp:	81776
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.3	12.5
54	7.0	6.7	10.1
68	4.9	4.6	6.8

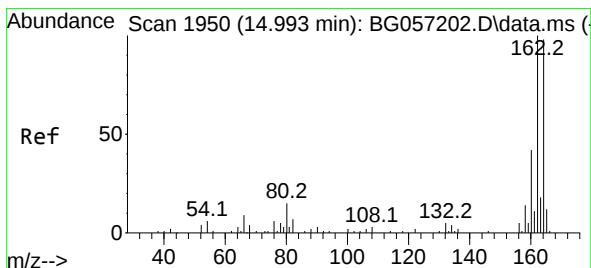
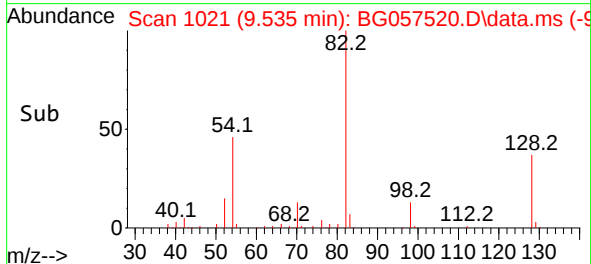
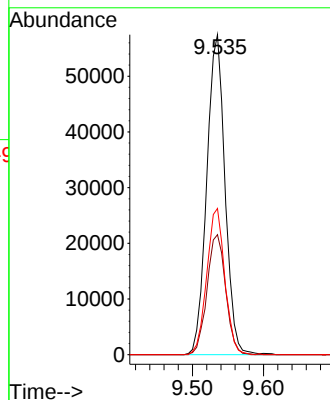
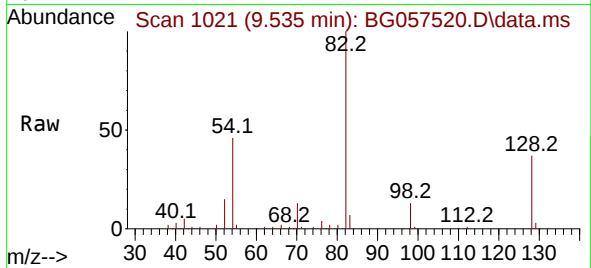




#23
 Nitrobenzene-d5
 Concen: 52.567 ng
 RT: 9.535 min Scan# 1021
 Delta R.T. -0.001 min
 Lab File: BG057520.D
 Acq: 23 May 2023 15:16

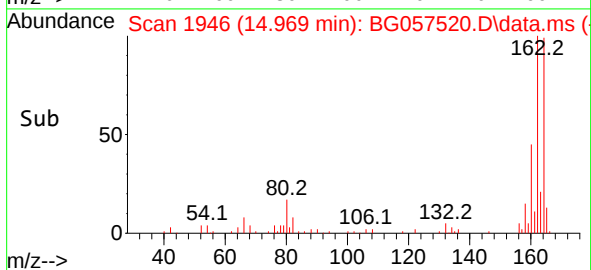
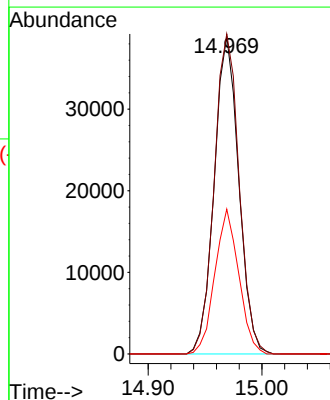
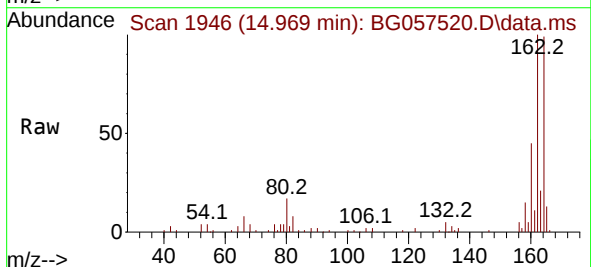
Instrument :
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 ClientSampleId :
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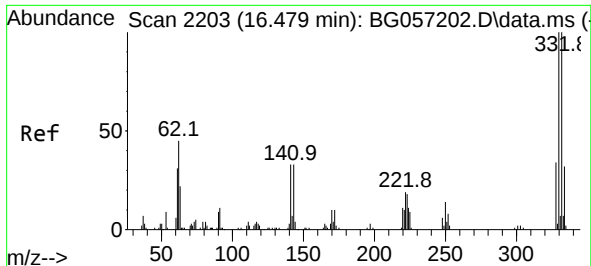
Tgt Ion: 82 Resp: 102422
 Ion Ratio Lower Upper
 82 100
 128 37.5 29.0 43.4
 54 45.7 41.4 62.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.969 min Scan# 1946
 Delta R.T. -0.007 min
 Lab File: BG057520.D
 Acq: 23 May 2023 15:16

Tgt Ion:164 Resp: 58318
 Ion Ratio Lower Upper
 164 100
 162 100.7 81.8 122.6
 160 45.6 34.6 52.0

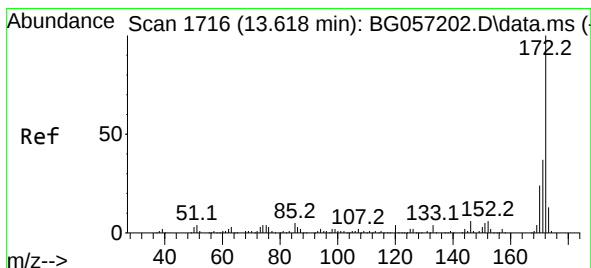
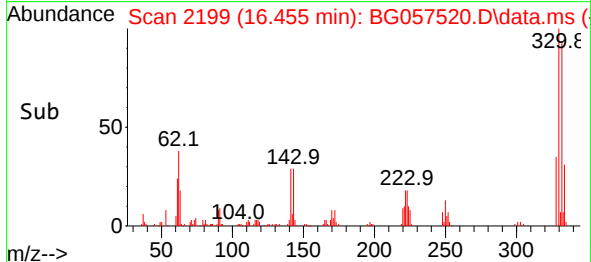
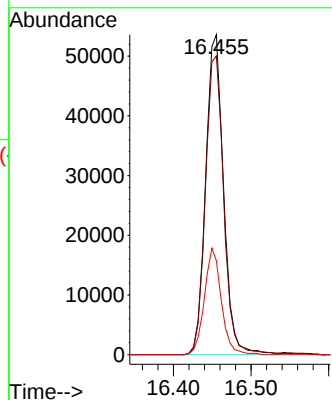
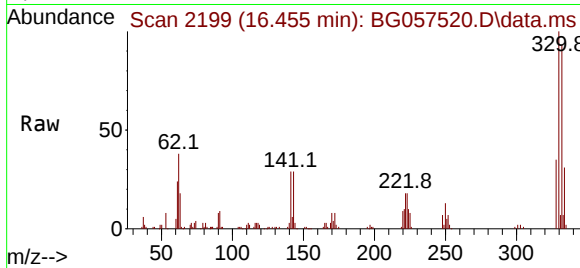




#42
2,4,6-Tribromophenol
Concen: 103.773 ng
RT: 16.455 min Scan# 2199
Delta R.T. -0.001 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

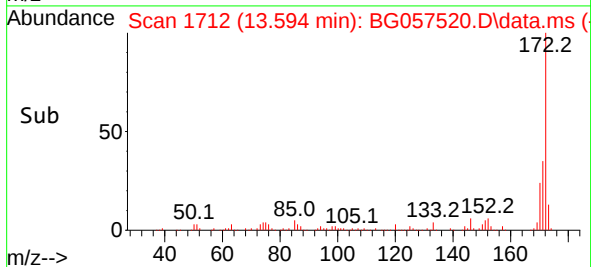
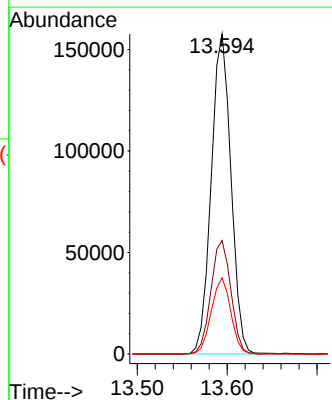
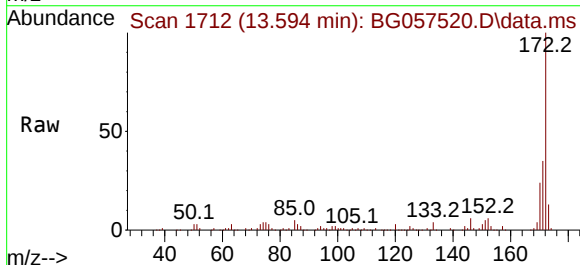
Instrument :
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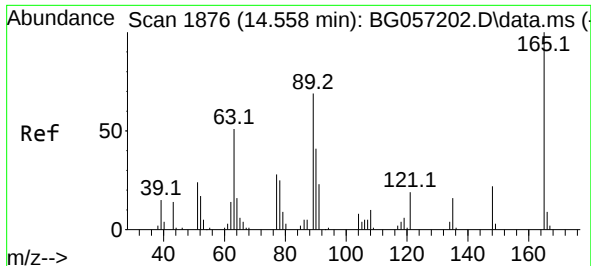
Tgt Ion:330 Resp: 85869
Ion Ratio Lower Upper
330 100
332 95.2 78.2 117.2
141 31.5 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 55.540 ng
RT: 13.594 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

Tgt Ion:172 Resp: 240495
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.8 19.0 28.6

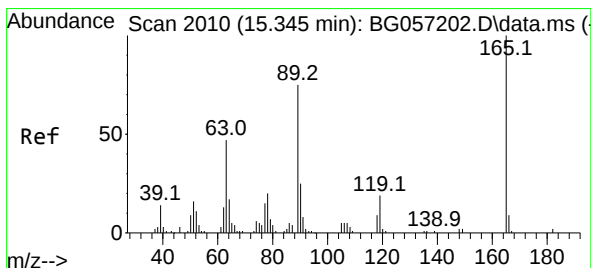
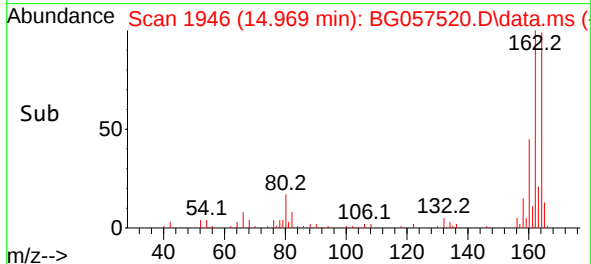
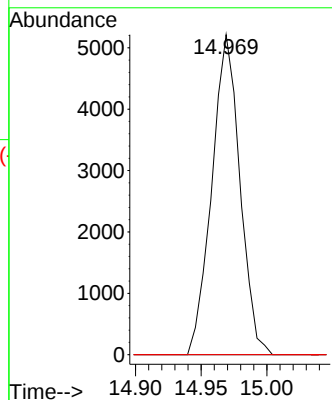
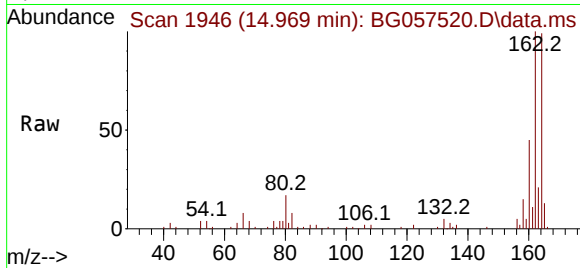




#51
2,6-Dinitrotoluene
Concen: 7.924 ng
RT: 14.969 min Scan# 1946
Delta R.T. 0.428 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

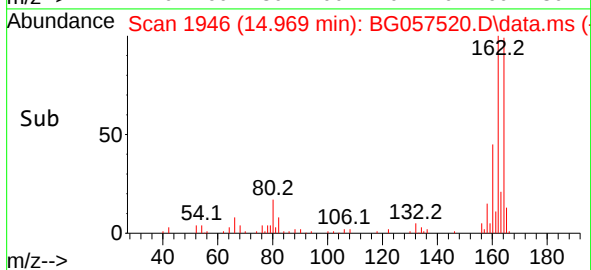
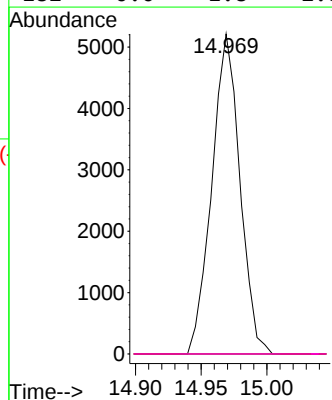
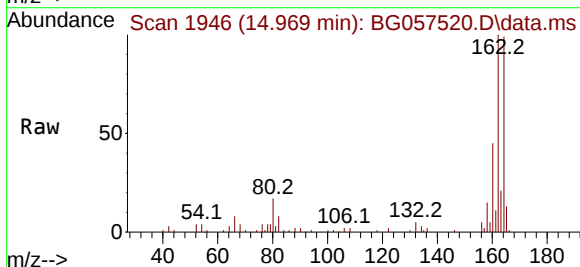
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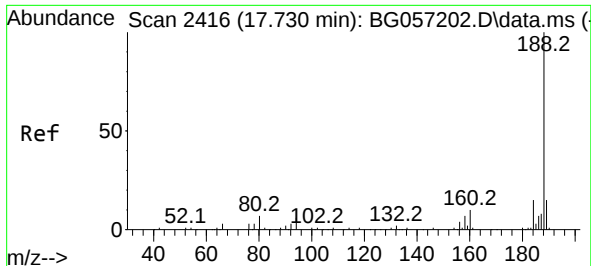
Tgt Ion:165 Resp: 7753
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 0.0 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.544 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.360 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

Tgt Ion:165 Resp: 7753
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 0.0 60.2 90.4#
182 0.0 1.8 2.8#

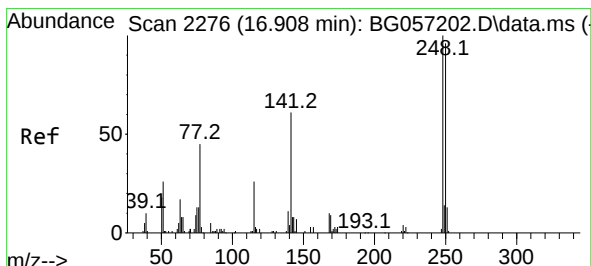
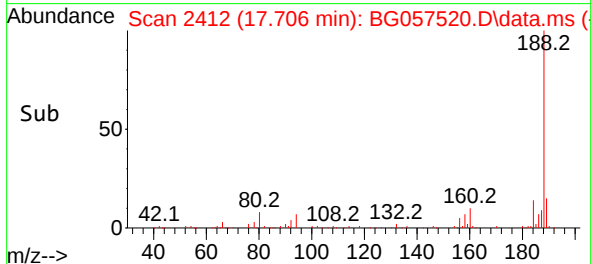
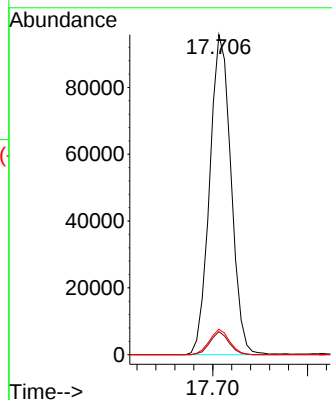
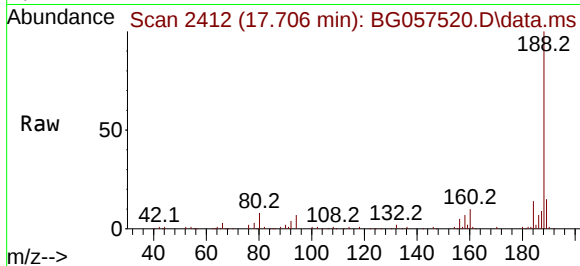




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.706 min Scan# 2416
Delta R.T. -0.007 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

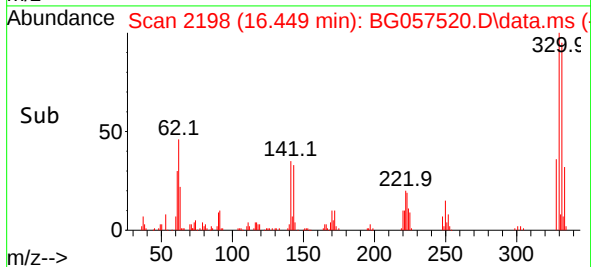
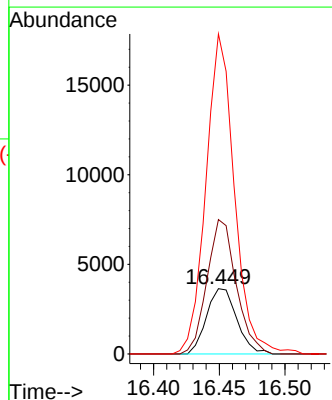
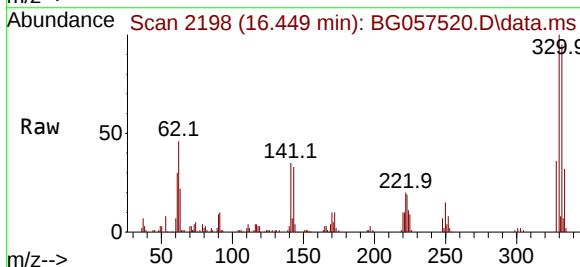
Instrument :
BNA_G
ClientSampleId :
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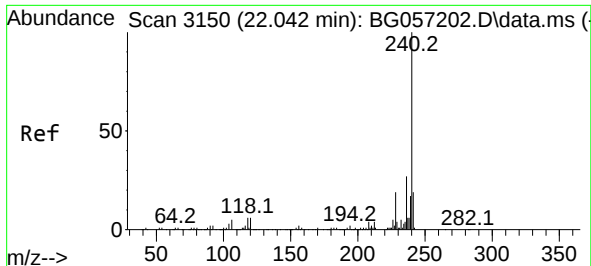
Tgt Ion:188 Resp: 149963
Ion Ratio Lower Upper
188 100
94 7.2 5.1 7.7
80 7.9 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 3.191 ng
RT: 16.449 min Scan# 2198
Delta R.T. -0.436 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

Tgt Ion:248 Resp: 5841
Ion Ratio Lower Upper
248 100
250 205.7 77.0 115.6#
141 489.7 48.6 72.8#

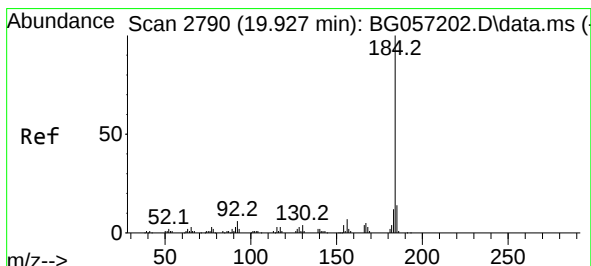
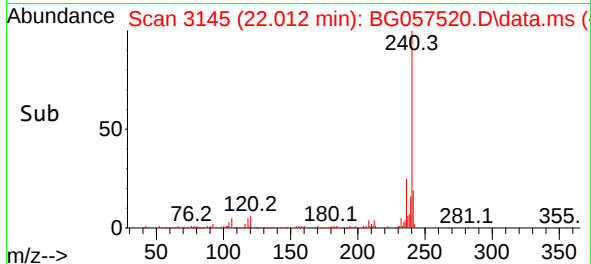
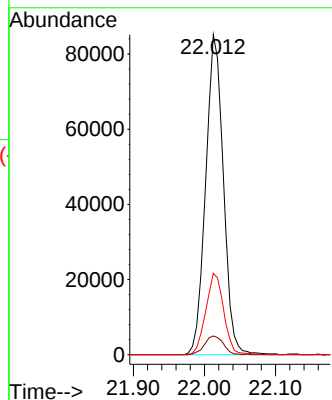
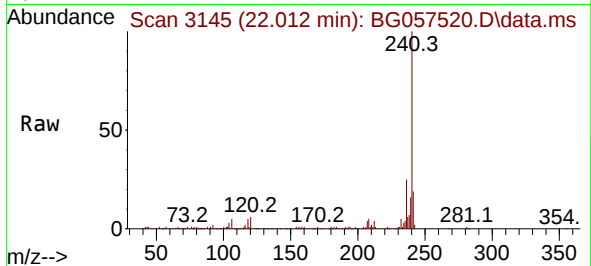




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.012 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

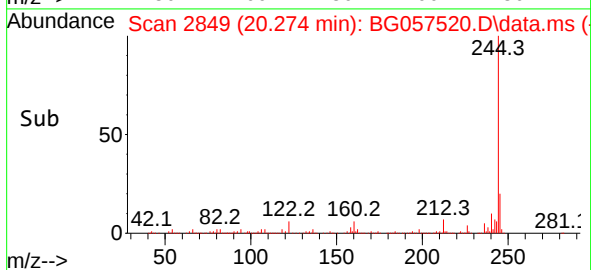
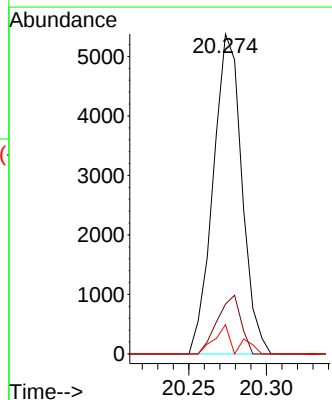
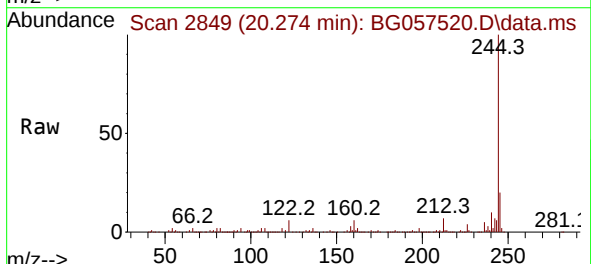
Instrument :
BNA_G
ClientSampleId :
TP-33

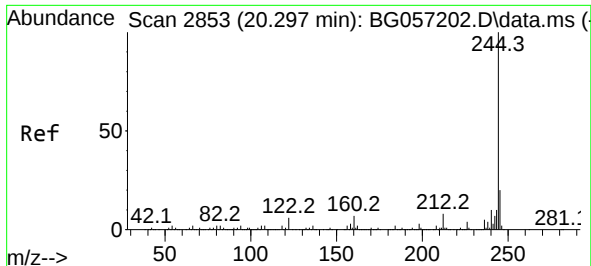
Tgt Ion:240 Resp: 147684
Ion Ratio Lower Upper
240 100
120 5.9 4.9 7.3
236 25.4 21.4 32.2



#77
Benzidine
Concen: 2.096 ng
RT: 20.274 min Scan# 2849
Delta R.T. 0.363 min
Lab File: BG057520.D
Acq: 23 May 2023 15:16

Tgt Ion:184 Resp: 6920
Ion Ratio Lower Upper
184 100
185 15.5 11.1 16.7
183 9.1 9.9 14.9#

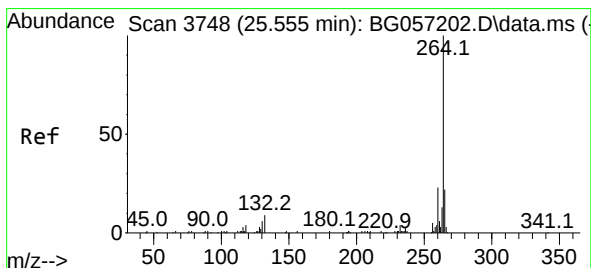
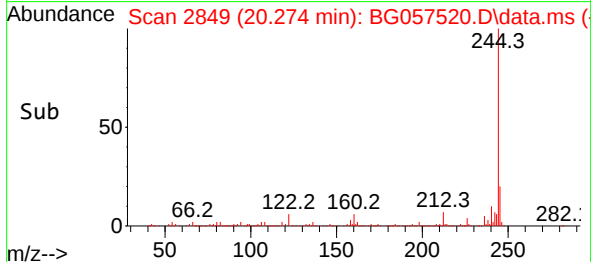
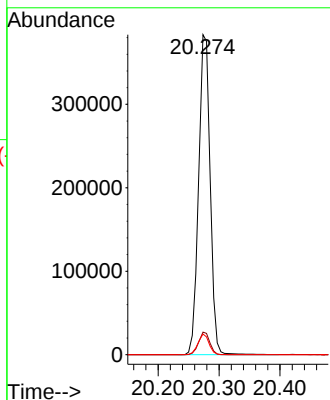
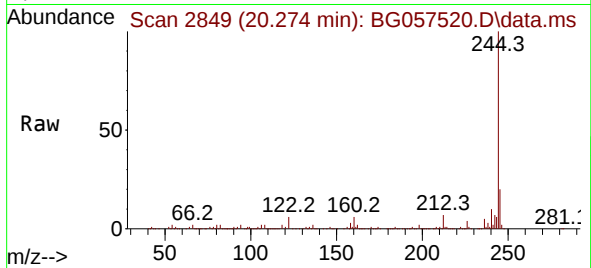




#79
 Terphenyl-d14
 Concen: 55.816 ng
 RT: 20.274 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG057520.D
 Acq: 23 May 2023 15:16

Instrument :
 BNA_G
 ClientSampleId :
 TP-33

Tgt Ion:244 Resp: 505119
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.5 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.514 min Scan# 3741
 Delta R.T. -0.001 min
 Lab File: BG057520.D
 Acq: 23 May 2023 15:16

Tgt Ion:264 Resp: 159456
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.8 28.2
 265 20.9 17.9 26.9

