

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057889.D
 Acq On : 28 Jun 2023 12:28
 Operator : CG/JU
 Sample : 03368-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CF-28

Quant Time: Jun 28 13:05:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

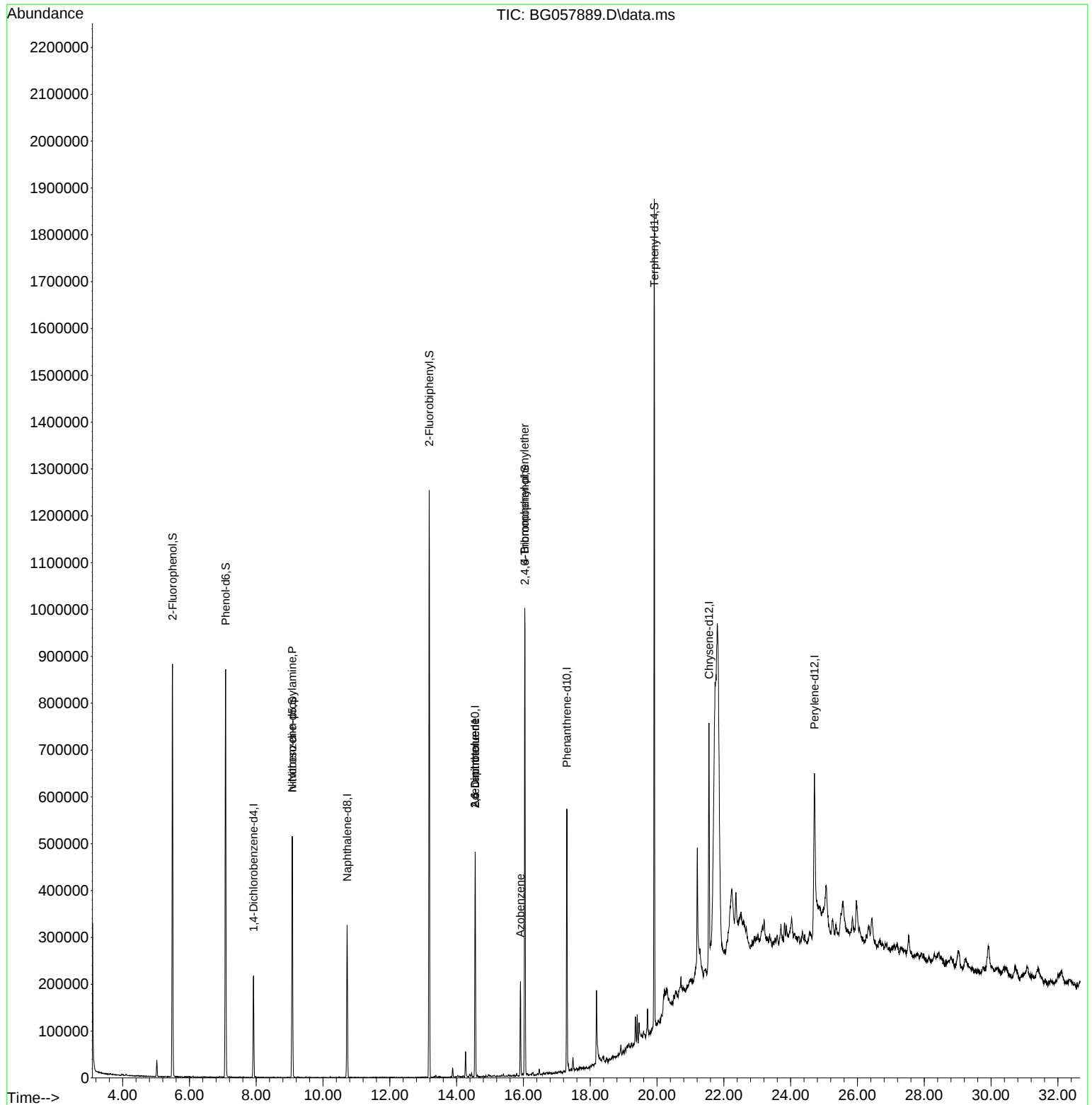
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.919	152	62717	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	266830	20.000	ng	0.00
39) Acenaphthene-d10	14.553	164	170181	20.000	ng	0.00
64) Phenanthrene-d10	17.302	188	363959	20.000	ng	0.00
76) Chrysene-d12	21.556	240	308038	20.000	ng	0.00
86) Perylene-d12	24.711	264	378564	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	377327	92.050	ng	0.00
7) Phenol-d6	7.085	99	539923	88.083	ng	0.00
23) Nitrobenzene-d5	9.077	82	316593	58.148	ng	-0.01
42) 2,4,6-Tribromophenol	16.045	330	215056	75.238	ng	0.00
45) 2-Fluorobiphenyl	13.178	172	664053	59.547	ng	0.00
79) Terphenyl-d14	19.917	244	919435	54.416	ng	0.00
Target Compounds						
9) Benzaldehyde	7.085	77	871	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	9.077	70	39766	9.695	ng	# 76
51) 2,6-Dinitrotoluene	14.553	165	22466	8.022	ng	# 24
57) 2,4-Dinitrotoluene	14.553	165	22466	5.528	ng	# 21
63) Azobenzene	15.910	77	55221	4.061	ng	# 1
67) 4-Bromophenyl-phenylether	16.039	248	13863	3.608	ng	# 1

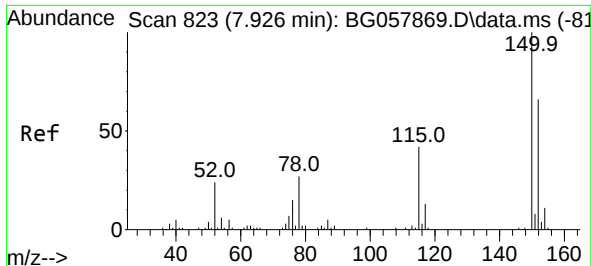
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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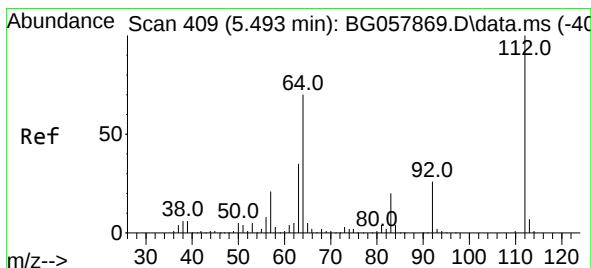
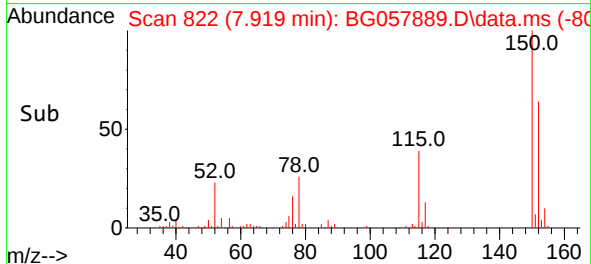
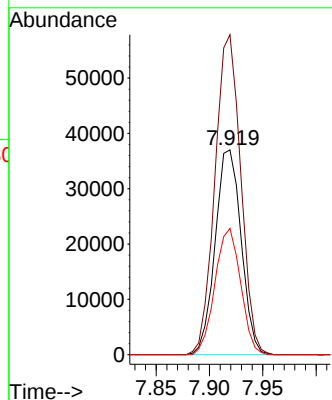
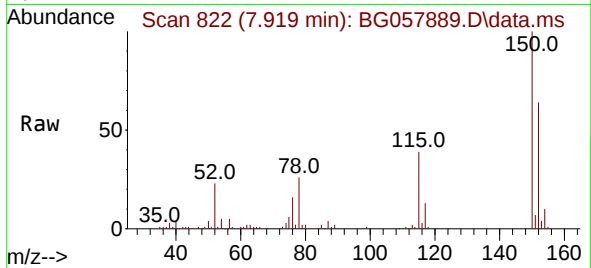




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.919 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

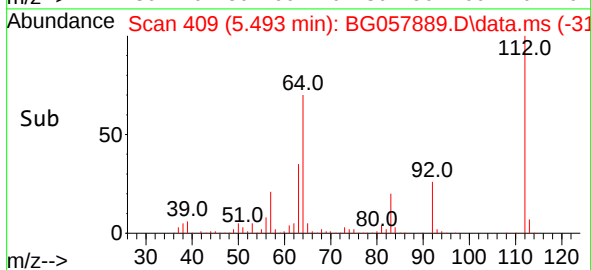
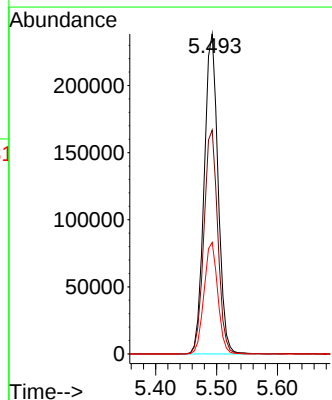
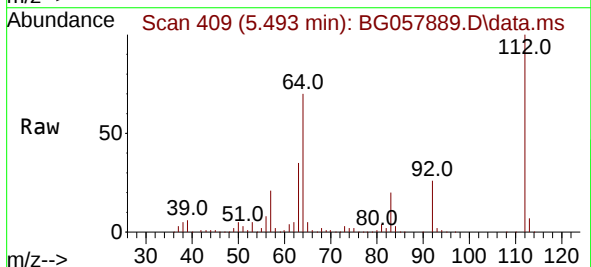
Instrument :
BNA_G
ClientSampleId :
CF-28

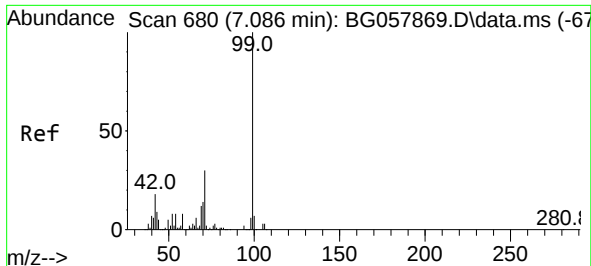
Tgt Ion:152 Resp: 62717
Ion Ratio Lower Upper
152 100
150 156.3 122.0 183.0
115 61.7 50.7 76.1



#5
2-Fluorophenol
Concen: 92.050 ng
RT: 5.493 min Scan# 409
Delta R.T. -0.001 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion:112 Resp: 377327
Ion Ratio Lower Upper
112 100
64 70.0 55.8 83.6
63 34.8 27.9 41.9

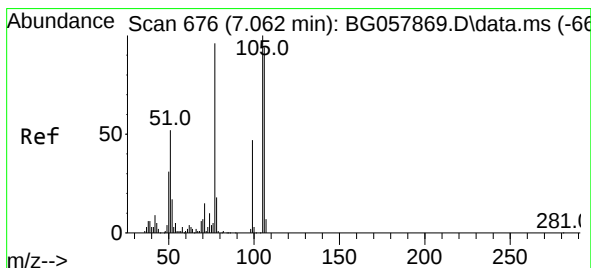
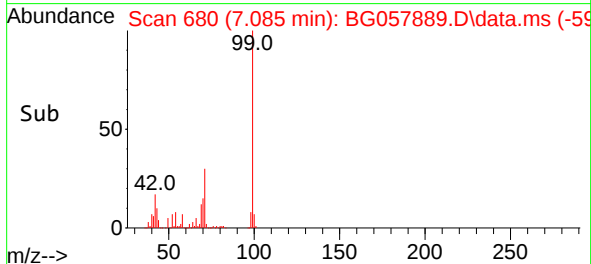
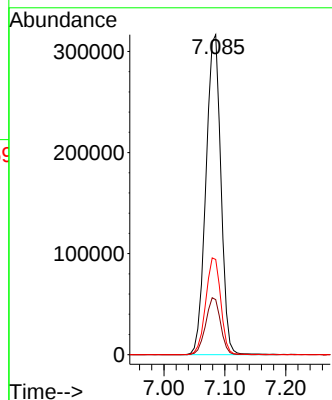
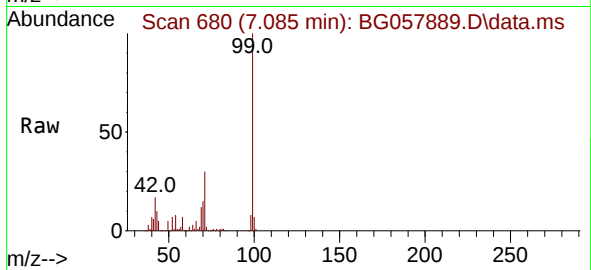




#7
Phenol-d6
Concen: 88.083 ng
RT: 7.085 min Scan# 680
Delta R.T. -0.001 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

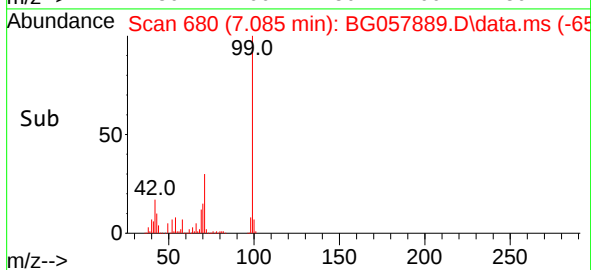
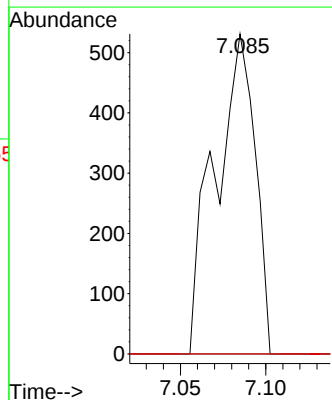
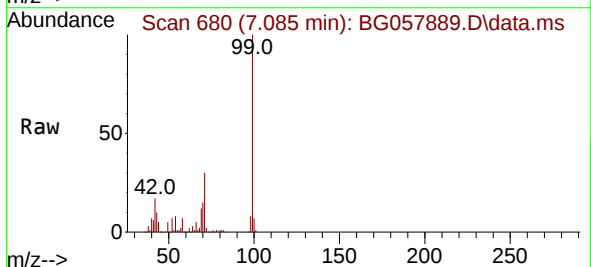
Instrument :
BNA_G
ClientSampleId :
CF-28

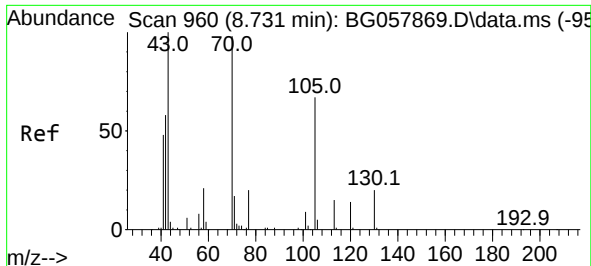
Tgt Ion: 99 Resp: 539923
Ion Ratio Lower Upper
99 100
42 17.2 14.2 21.4
71 29.8 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.085 min Scan# 680
Delta R.T. 0.023 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion: 77 Resp: 871
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

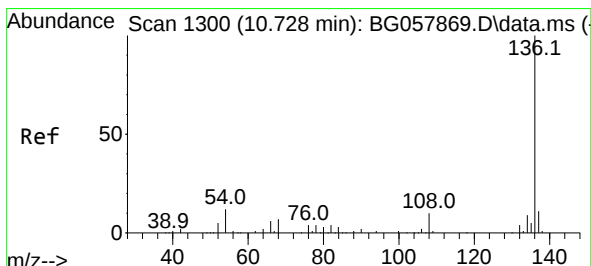
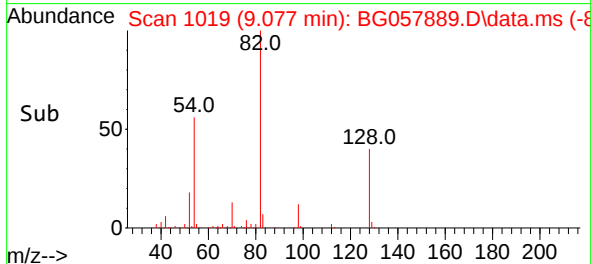
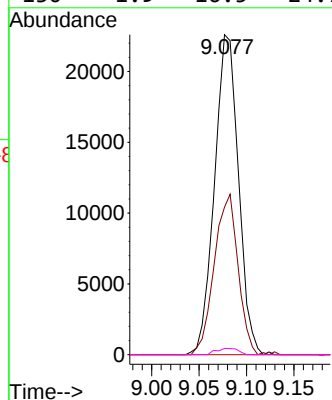
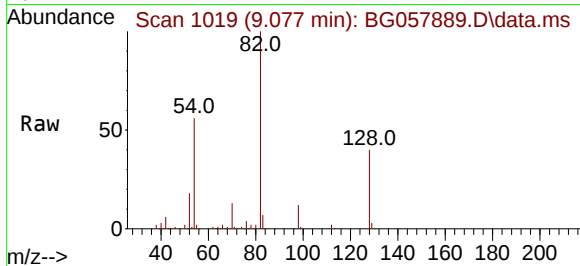




#19
n-Nitroso-di-n-propylamine
Concen: 9.695 ng
RT: 9.077 min Scan# 1019
Delta R.T. 0.346 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

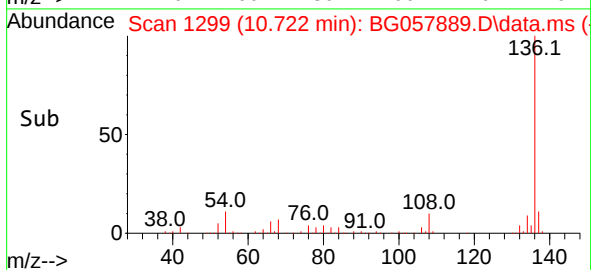
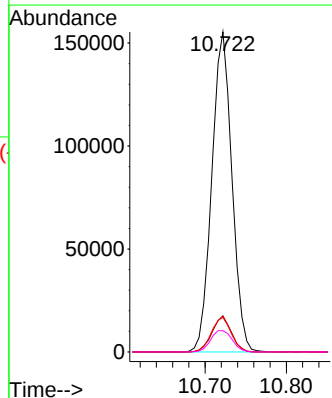
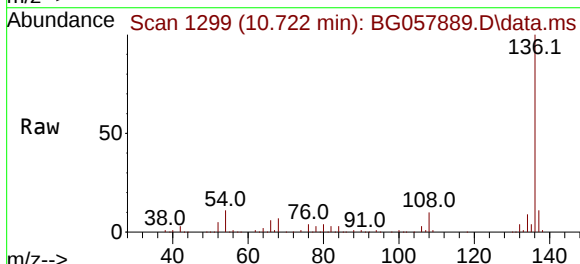
Instrument :
BNA_G
ClientSampleId :
CF-28

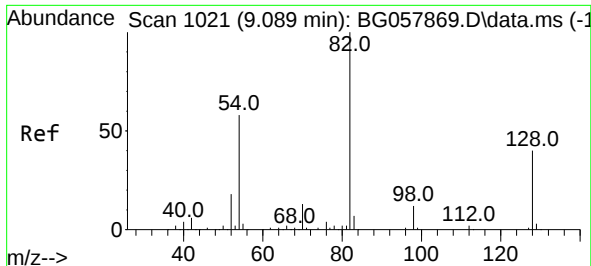
Tgt Ion: 70 Resp: 39766
Ion Ratio Lower Upper
70 100
42 46.1 48.4 72.6#
101 0.0 7.2 10.8#
130 1.9 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion: 136 Resp: 266830
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.8 9.3 13.9
68 6.6 5.9 8.9

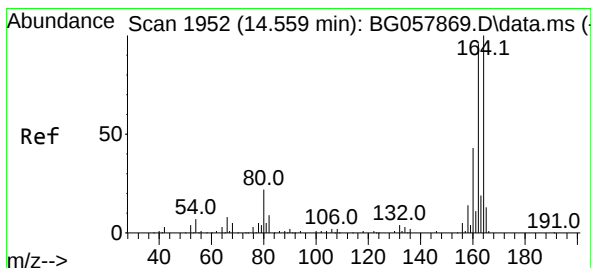
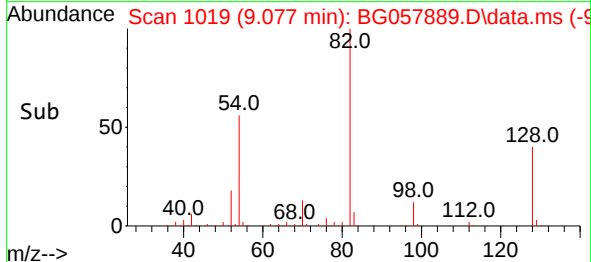
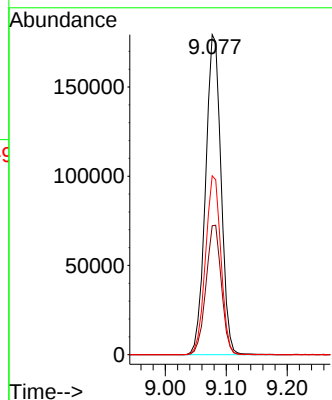
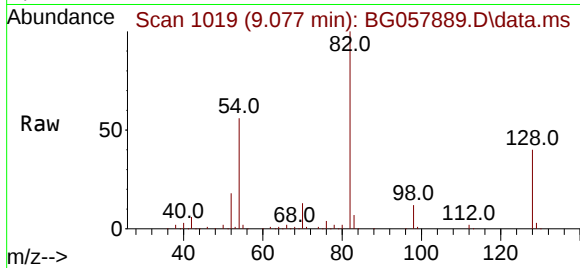




#23
Nitrobenzene-d5
Concen: 58.148 ng
RT: 9.077 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

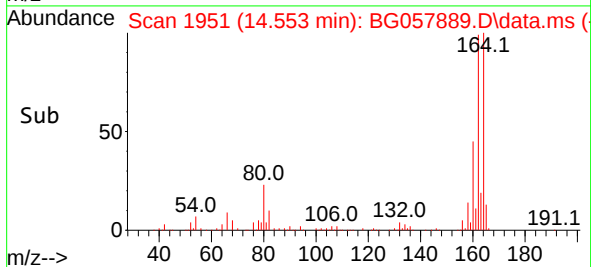
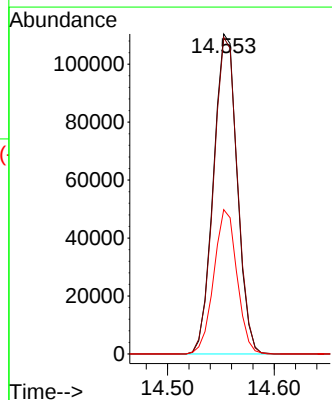
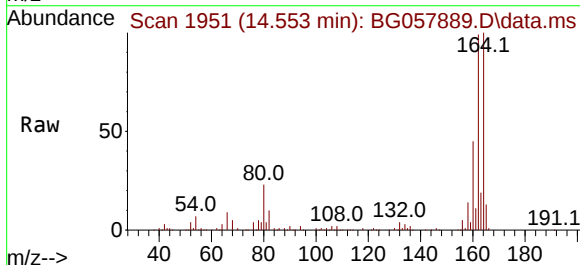
Instrument :
BNA_G
ClientSampleId :
CF-28

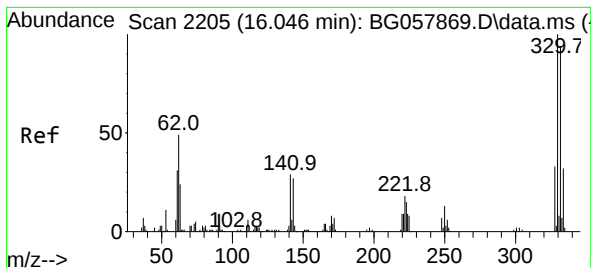
Tgt Ion: 82 Resp: 316593
Ion Ratio Lower Upper
82 100
128 40.3 32.2 48.4
54 55.9 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.553 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion:164 Resp: 170181
Ion Ratio Lower Upper
164 100
162 98.9 76.4 114.6
160 45.1 34.2 51.2

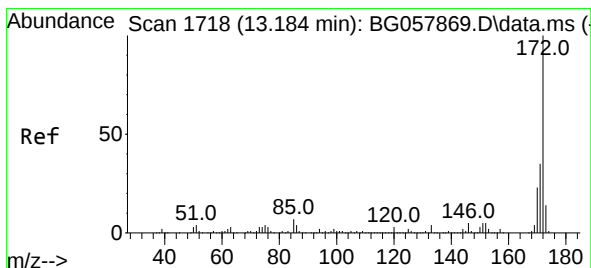
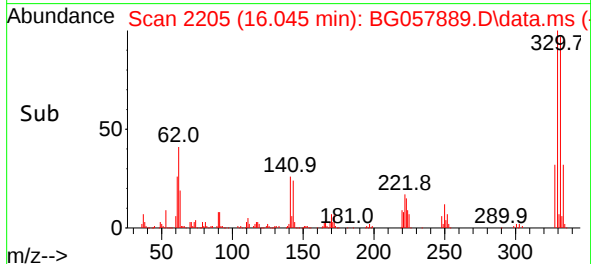
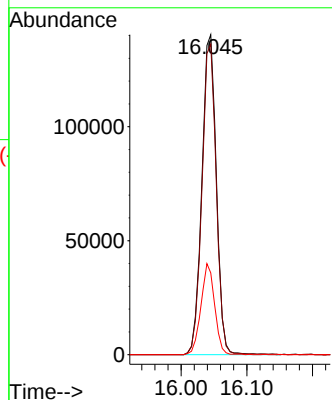
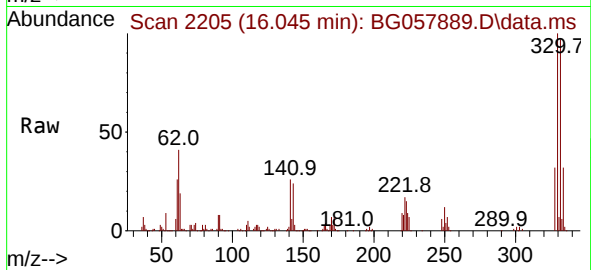




#42
2,4,6-Tribromophenol
Concen: 75.238 ng
RT: 16.045 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

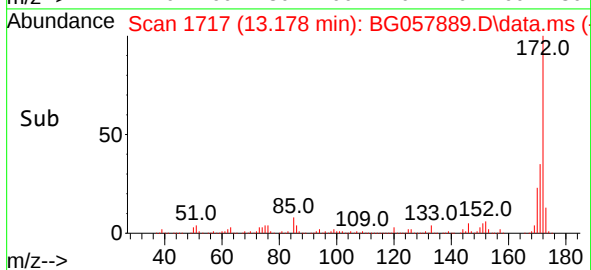
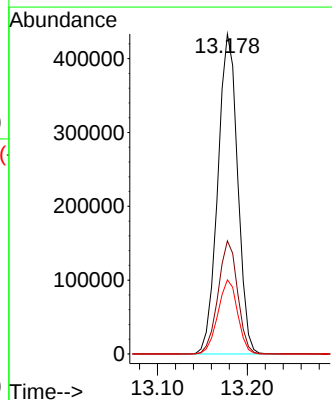
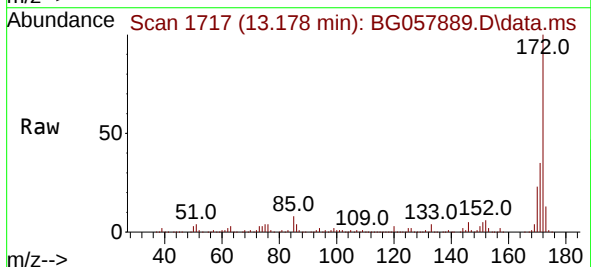
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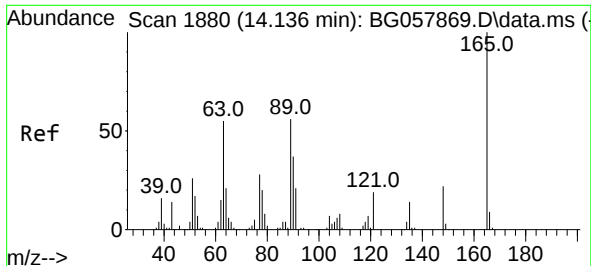
Tgt Ion:330 Resp: 215056
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 27.0 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 59.547 ng
RT: 13.178 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion:172 Resp: 664053
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 23.1 18.6 27.8

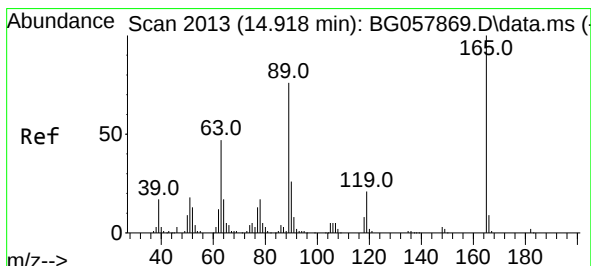
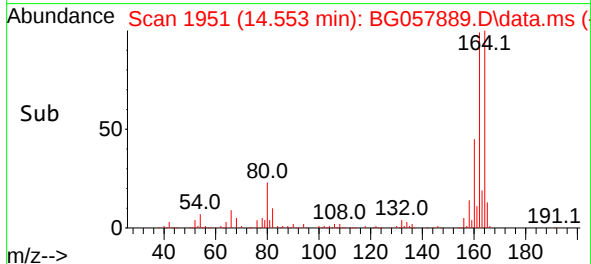
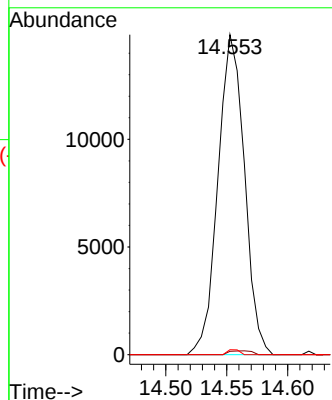
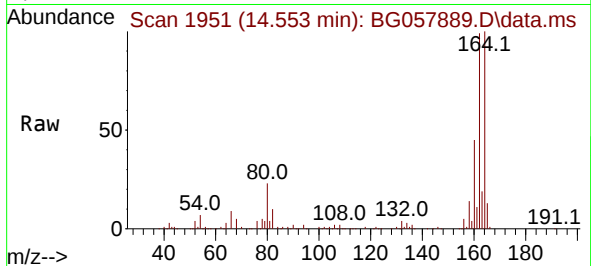




#51
2,6-Dinitrotoluene
Concen: 8.022 ng
RT: 14.553 min Scan# 1951
Delta R.T. 0.417 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

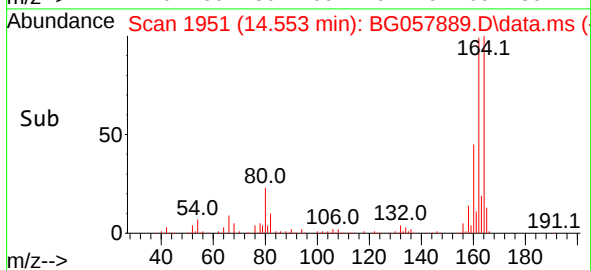
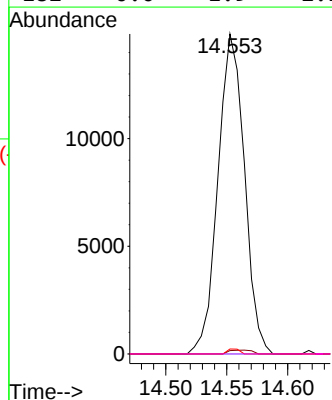
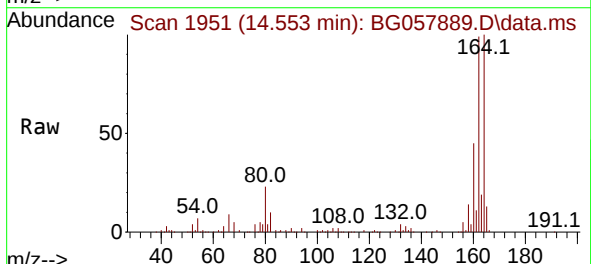
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CF-28

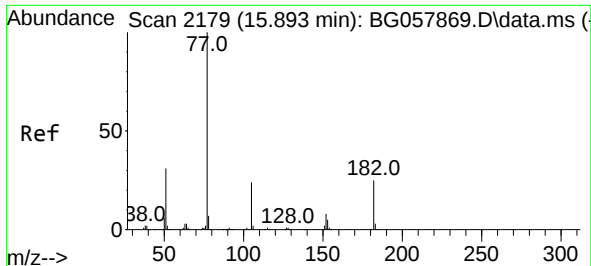
Tgt Ion:165 Resp: 22466
Ion Ratio Lower Upper
165 100
63 1.0 46.4 69.6#
89 1.6 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.528 ng
RT: 14.553 min Scan# 1951
Delta R.T. -0.365 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion:165 Resp: 22466
Ion Ratio Lower Upper
165 100
63 1.0 37.6 56.4#
89 1.6 61.0 91.4#
182 0.0 1.9 2.9#

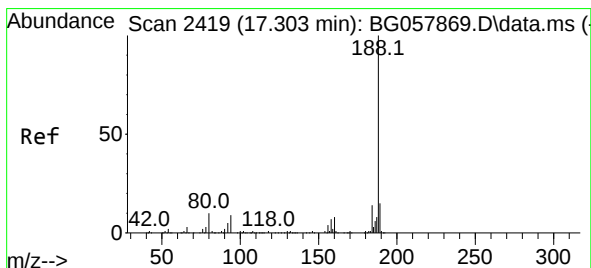
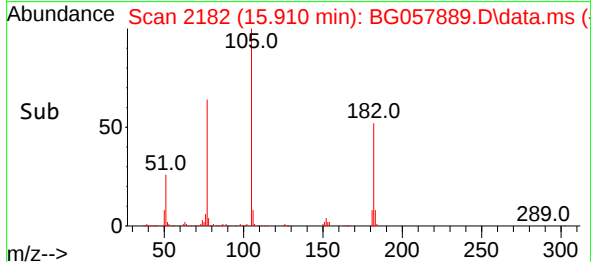
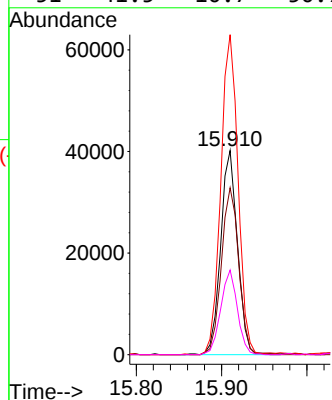
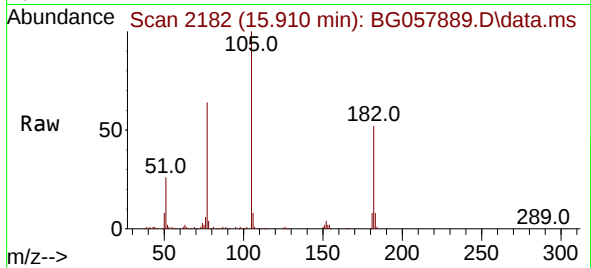




#63
Azobenzene
Concen: 4.061 ng
RT: 15.910 min Scan# 2179
Delta R.T. 0.017 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

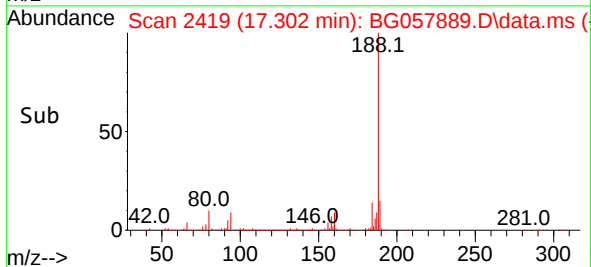
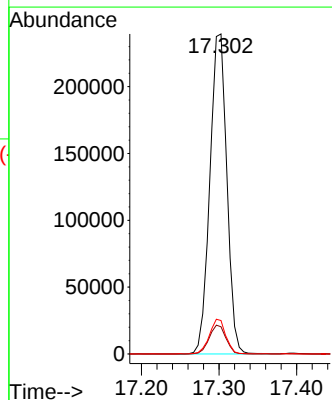
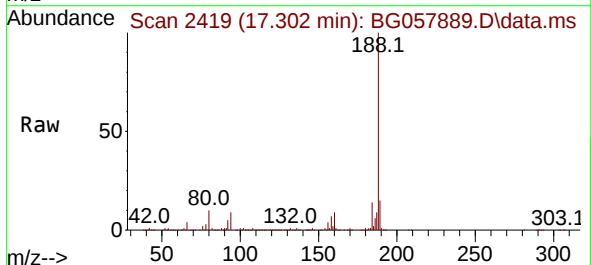
Instrument :
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CF-28

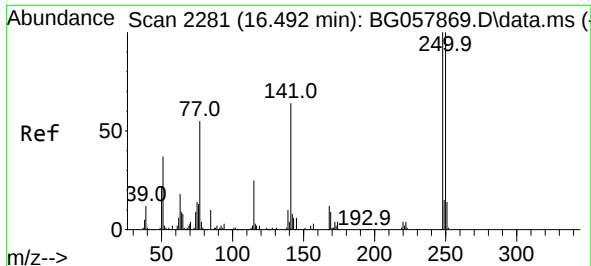
Tgt Ion: 77 Resp: 55221
Ion Ratio Lower Upper
77 100
182 81.7 5.1 45.1#
105 156.8 3.9 43.9#
51 41.5 10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.302 min Scan# 2419
Delta R.T. -0.001 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion:188 Resp: 363959
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 10.5 8.4 12.6

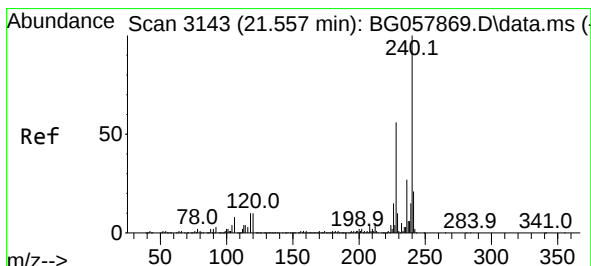
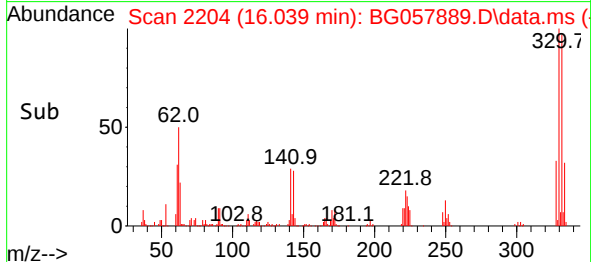
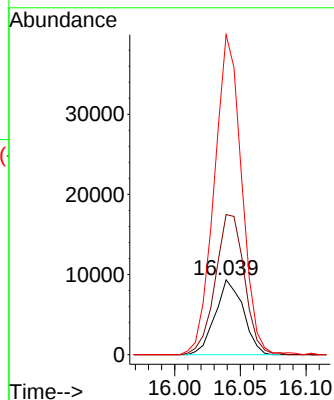
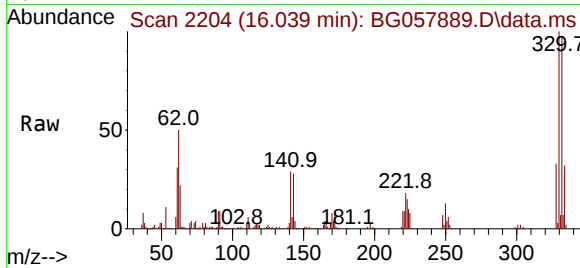




#67
4-Bromophenyl-phenylether
Concen: 3.608 ng
RT: 16.039 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

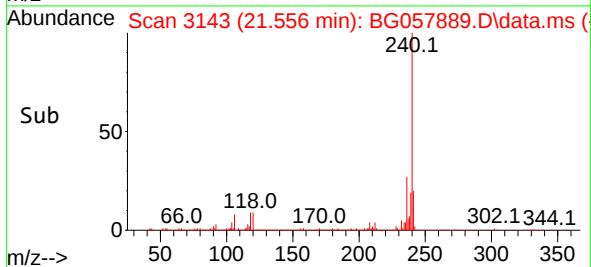
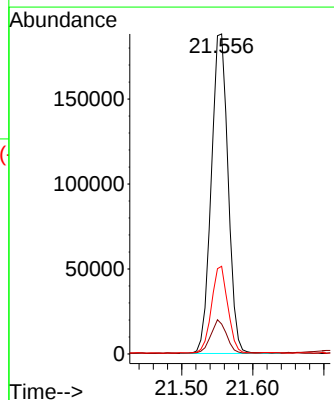
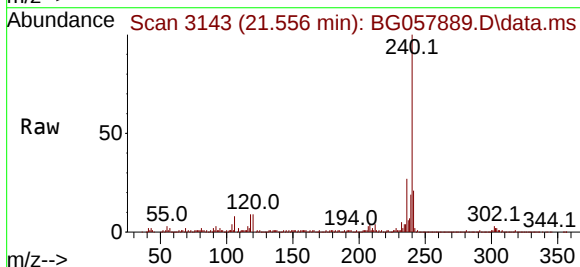
Instrument :
BNA_G
ClientSampleId :
CF-28

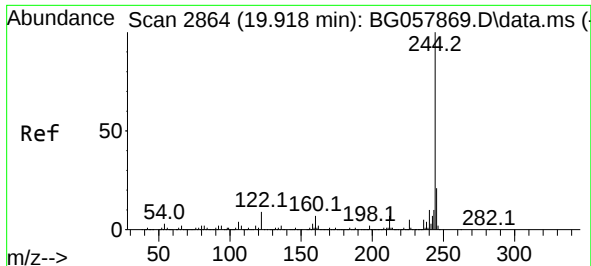
Tgt Ion:248 Resp: 13863
Ion Ratio Lower Upper
248 100
250 187.2 79.7 119.5#
141 427.5 50.8 76.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.556 min Scan# 3143
Delta R.T. -0.001 min
Lab File: BG057889.D
Acq: 28 Jun 2023 12:28

Tgt Ion:240 Resp: 308038
Ion Ratio Lower Upper
240 100
120 9.4 8.1 12.1
236 27.4 21.9 32.9

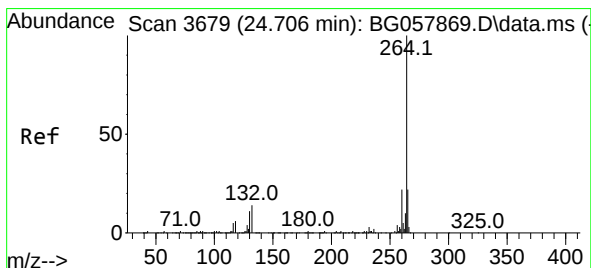
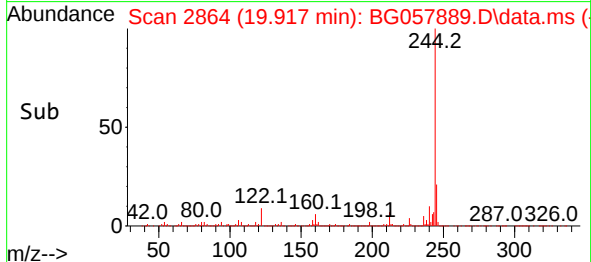
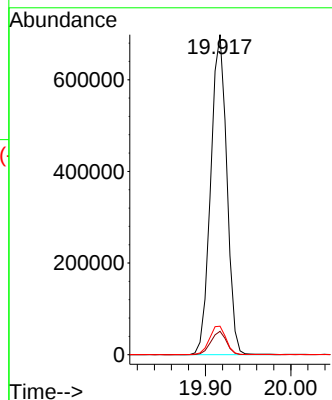
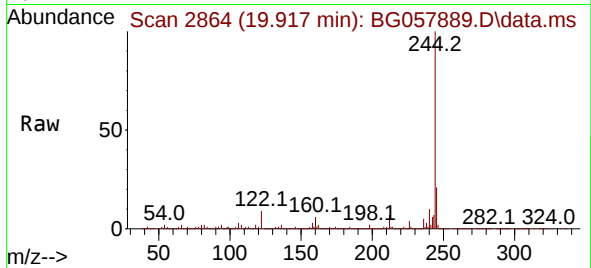




#79
 Terphenyl-d14
 Concen: 54.416 ng
 RT: 19.917 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG057889.D
 Acq: 28 Jun 2023 12:28

Instrument :
 BNA_G
 ClientSampleId :
 CF-28

Tgt Ion:244 Resp: 919435
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 8.9 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.711 min Scan# 3680
 Delta R.T. 0.005 min
 Lab File: BG057889.D
 Acq: 28 Jun 2023 12:28

Tgt Ion:264 Resp: 378564
 Ion Ratio Lower Upper
 264 100
 260 22.9 17.8 26.8
 265 22.9 17.3 25.9

