

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062923\
 Data File : BG057915.D
 Acq On : 29 Jun 2023 22:20
 Operator : CG/JU
 Sample : 03368-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CF-29

Quant Time: Jun 30 03:46:27 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)

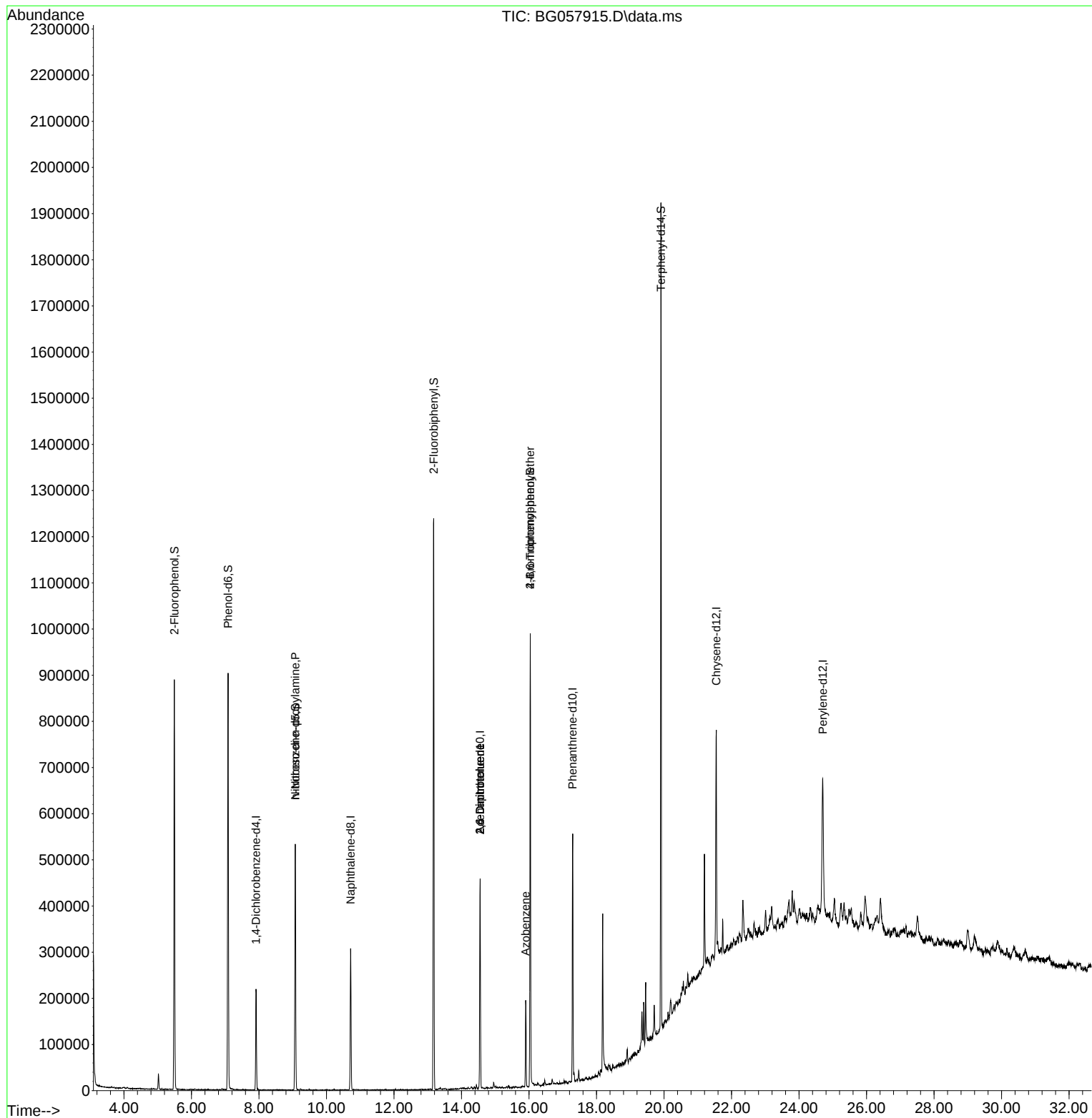
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.911	152	59867	20.000	ng	-0.02
21) Naphthalene-d8	10.713	136	255971	20.000	ng	-0.01
39) Acenaphthene-d10	14.550	164	161684	20.000	ng	0.00
64) Phenanthrene-d10	17.294	188	341352	20.000	ng	0.00
76) Chrysene-d12	21.548	240	282256	20.000	ng	0.00
86) Perylene-d12	24.703	264	346866	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	388724	99.345	ng	0.00
7) Phenol-d6	7.082	99	547351	93.546	ng	0.00
23) Nitrobenzene-d5	9.074	82	325196	62.261	ng	-0.01
42) 2,4,6-Tribromophenol	16.037	330	204783	75.409	ng	0.00
45) 2-Fluorobiphenyl	13.175	172	693129	65.420	ng	0.00
79) Terphenyl-d14	19.908	244	926148	59.820	ng	0.00
Target Compounds						
9) Benzaldehyde	7.088	77	1017	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	9.074	70	40723	10.401 ng	#	78
51) 2,6-Dinitrotoluene	14.550	165	20583	7.736 ng	#	25
57) 2,4-Dinitrotoluene	14.550	165	20583	5.331 ng	#	22
63) Azobenzene	15.901	77	54278	4.202 ng	#	1
67) 4-Bromophenyl-phenylether	16.037	248	13195	3.662 ng	#	1

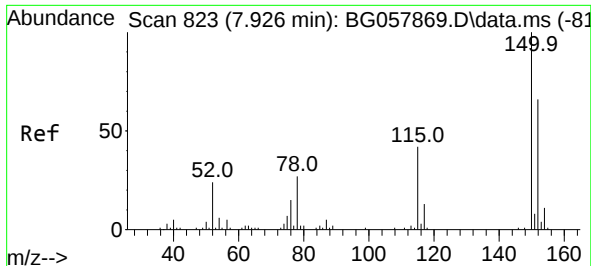
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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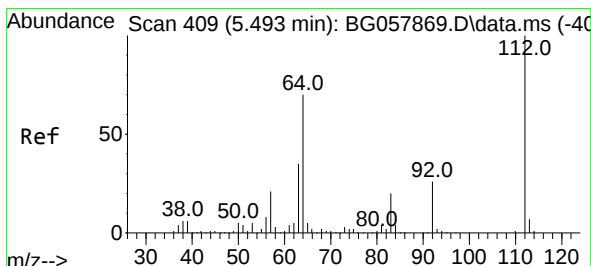
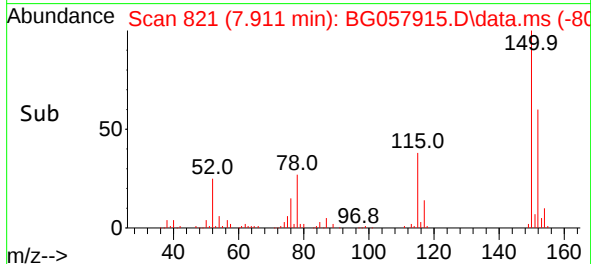
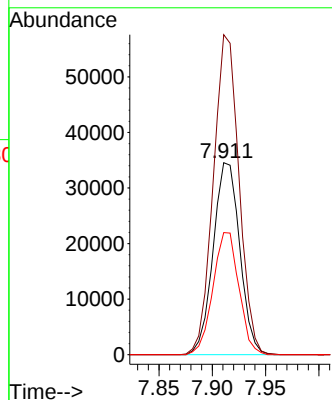
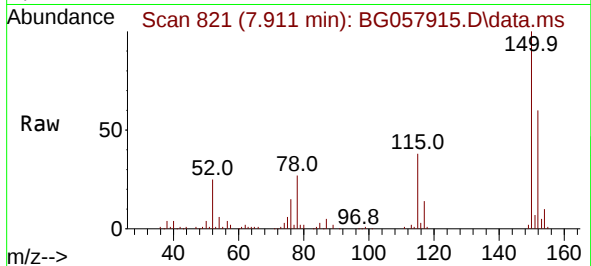




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.911 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

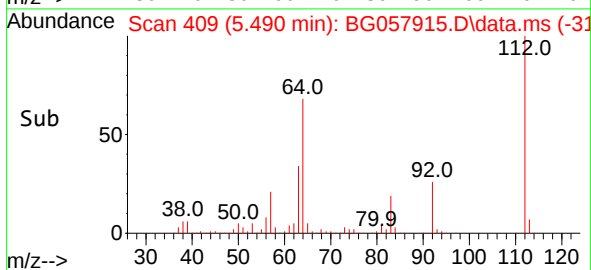
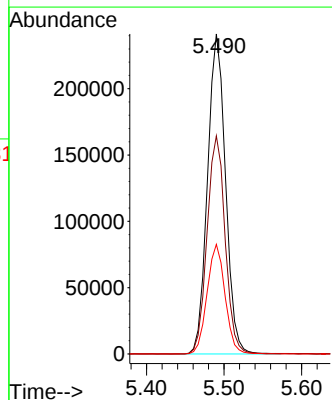
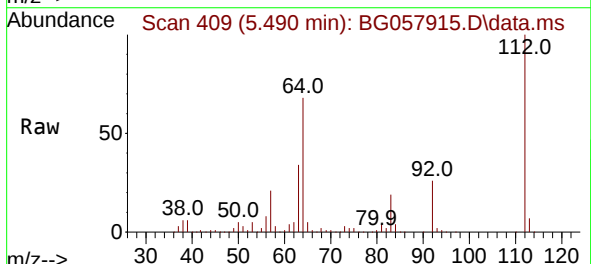
Instrument :
BNA_G
ClientSampleId :
CF-29

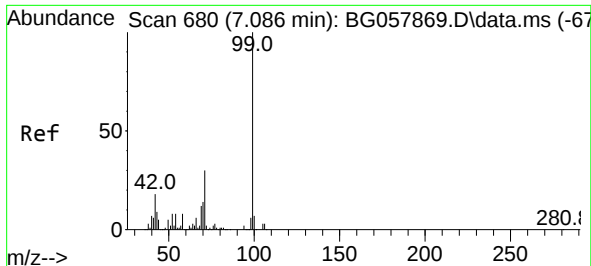
Tgt Ion:152 Resp: 59867
Ion Ratio Lower Upper
152 100
150 166.7 122.0 183.0
115 63.6 50.7 76.1



#5
2-Fluorophenol
Concen: 99.345 ng
RT: 5.490 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

Tgt Ion:112 Resp: 388724
Ion Ratio Lower Upper
112 100
64 68.1 55.8 83.6
63 34.2 27.9 41.9

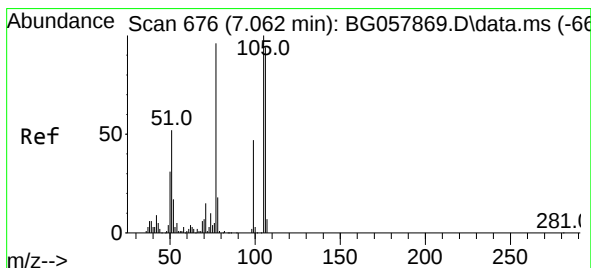
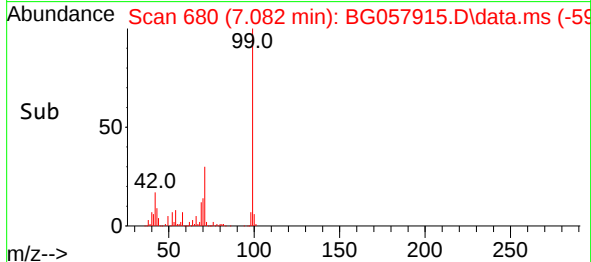
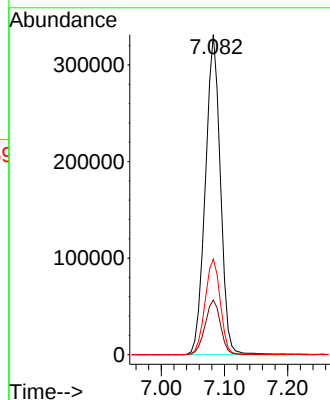
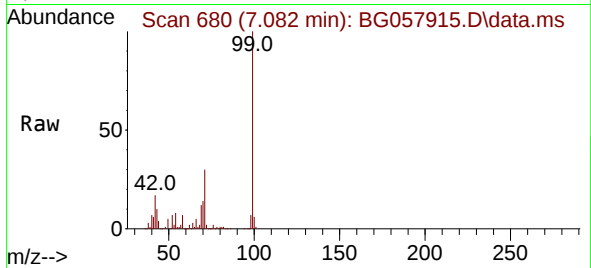




#7
Phenol-d6
Concen: 93.546 ng
RT: 7.082 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

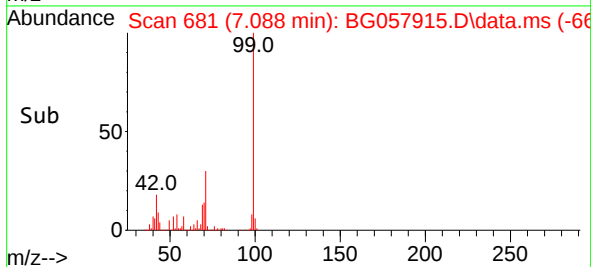
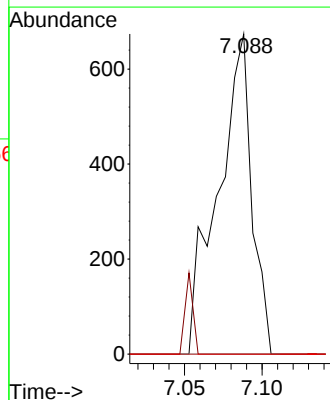
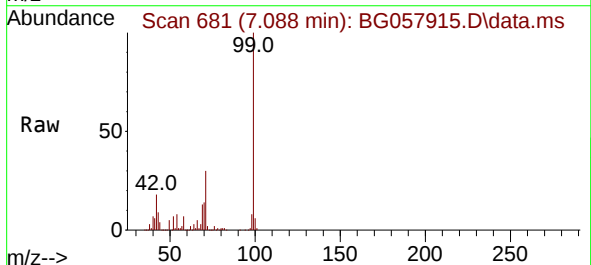
Instrument :
BNA_G
ClientSampleId :
CF-29

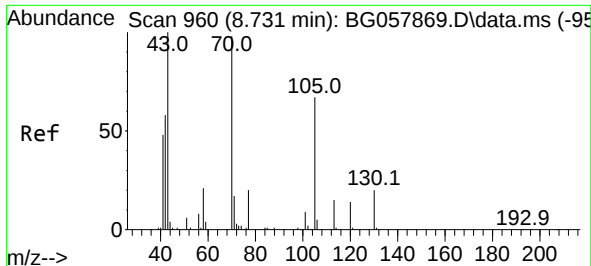
Tgt Ion: 99 Resp: 547351
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 29.9 23.9 35.9



#9
Benzaldehyde
Concen: Below Cal
RT: 7.088 min Scan# 681
Delta R.T. 0.026 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

Tgt Ion: 77 Resp: 1017
Ion Ratio Lower Upper
77 100
105 0.0 83.7 123.7#
106 0.0 77.4 117.4#

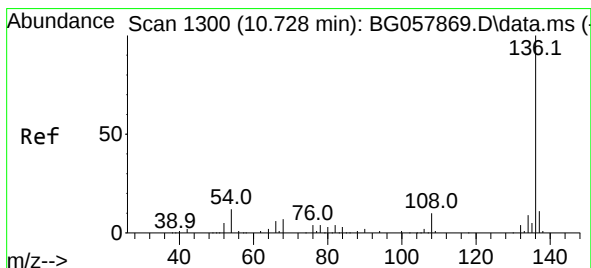
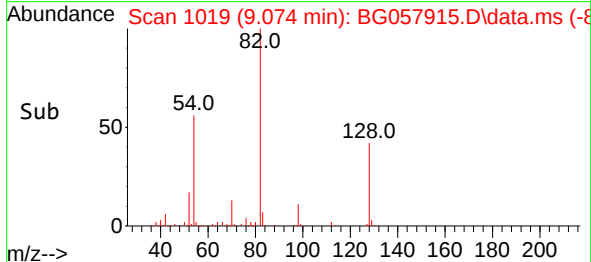
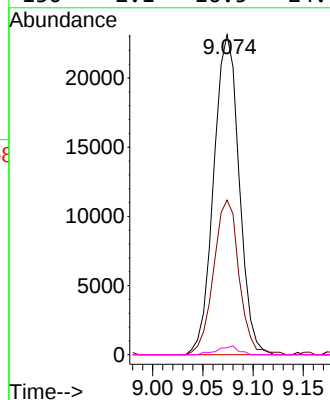
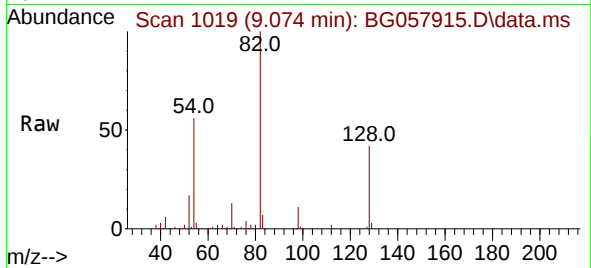




#19
n-Nitroso-di-n-propylamine
Concen: 10.401 ng
RT: 9.074 min Scan# 1019
Delta R.T. 0.343 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

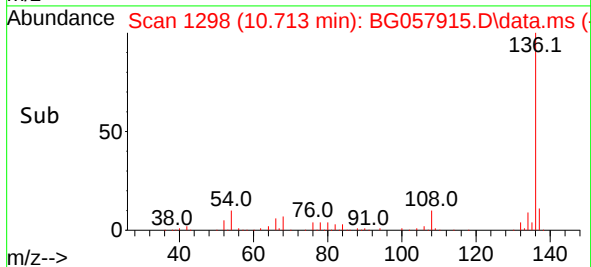
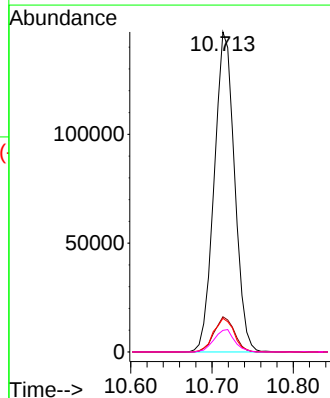
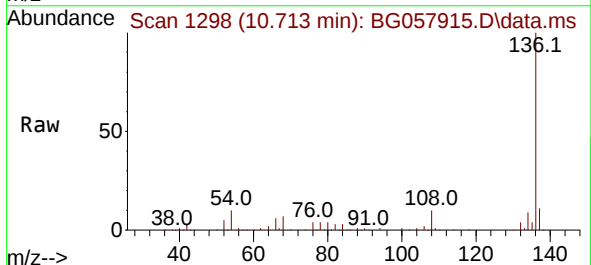
Instrument :
BNA_G
ClientSampleId :
CF-29

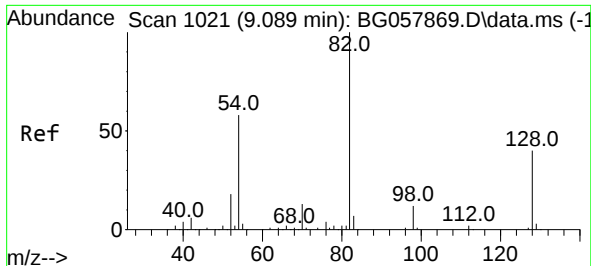
Tgt Ion: 70 Resp: 40723
Ion Ratio Lower Upper
70 100
42 48.3 48.4 72.6#
101 0.0 7.2 10.8#
130 2.1 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.713 min Scan# 1298
Delta R.T. -0.015 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

Tgt Ion: 136 Resp: 255971
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.5 9.3 13.9
68 6.8 5.9 8.9

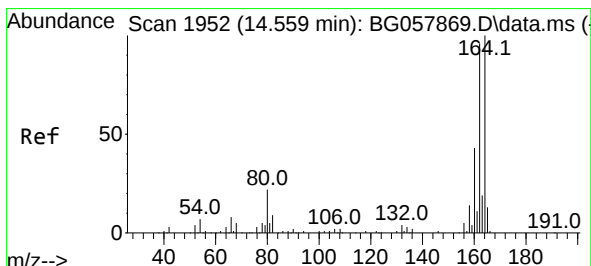
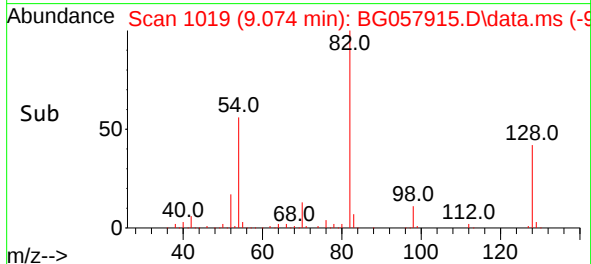
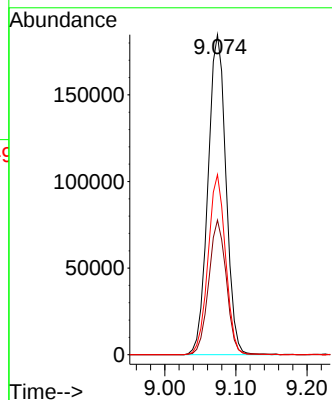
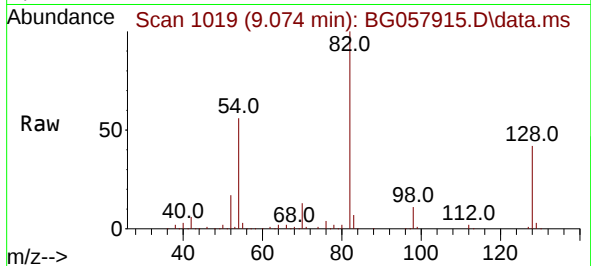




#23
Nitrobenzene-d5
Concen: 62.261 ng
RT: 9.074 min Scan# 1019
Delta R.T. -0.015 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

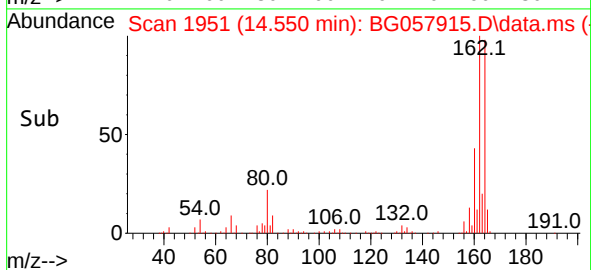
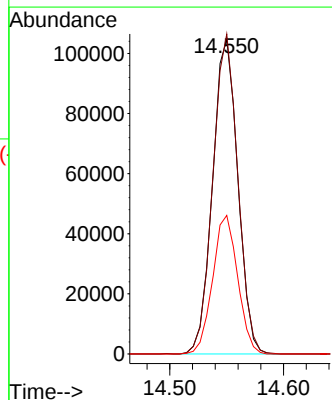
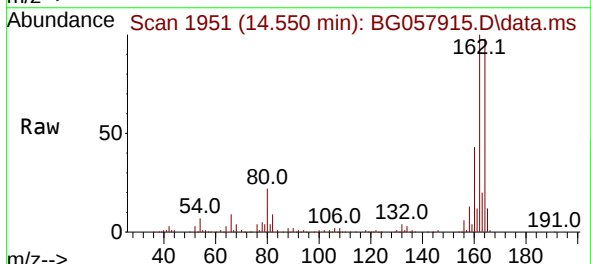
Instrument :
BNA_G
ClientSampleId :
CF-29

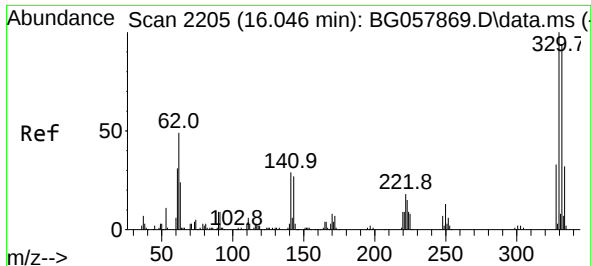
Tgt Ion: 82 Resp: 325196
Ion Ratio Lower Upper
82 100
128 42.1 32.2 48.4
54 56.2 46.1 69.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.550 min Scan# 1951
Delta R.T. -0.009 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

Tgt Ion: 164 Resp: 161684
Ion Ratio Lower Upper
164 100
162 101.6 76.4 114.6
160 44.0 34.2 51.2

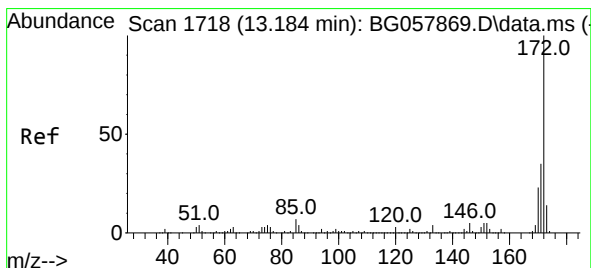
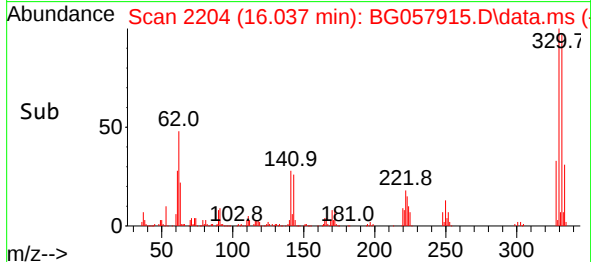
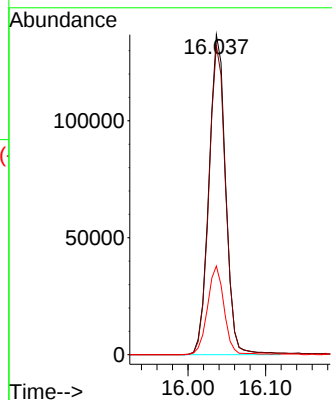
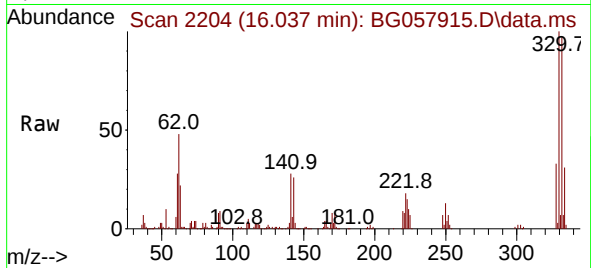




#42
 2,4,6-Tribromophenol
 Concen: 75.409 ng
 RT: 16.037 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG057915.D
 Acq: 29 Jun 2023 22:20

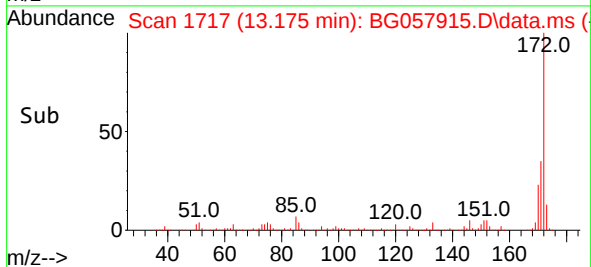
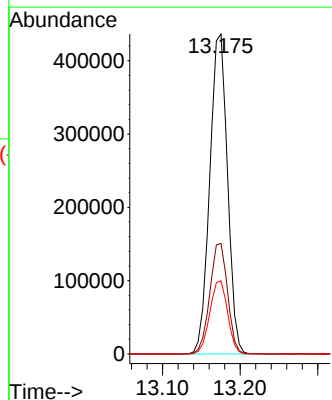
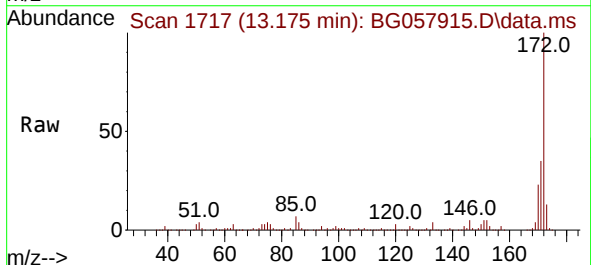
Instrument :
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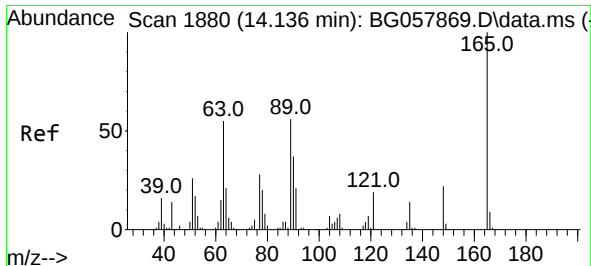
Tgt Ion:330 Resp: 204783
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.1 115.7
 141 27.5 22.2 33.4



#45
 2-Fluorobiphenyl
 Concen: 65.420 ng
 RT: 13.175 min Scan# 1717
 Delta R.T. -0.009 min
 Lab File: BG057915.D
 Acq: 29 Jun 2023 22:20

Tgt Ion:172 Resp: 693129
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.8 41.8
 170 22.8 18.6 27.8

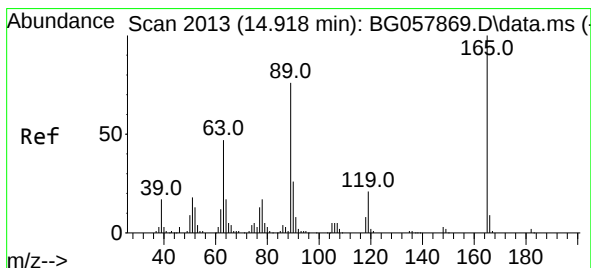
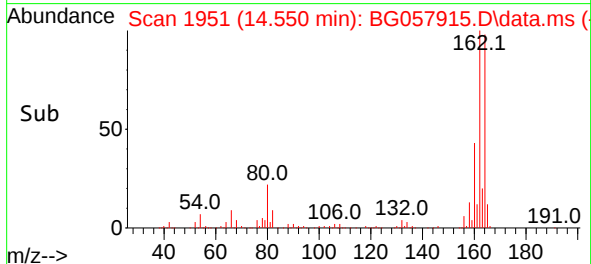
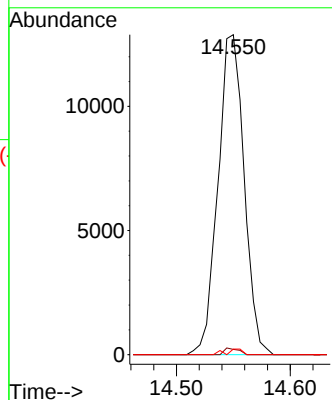
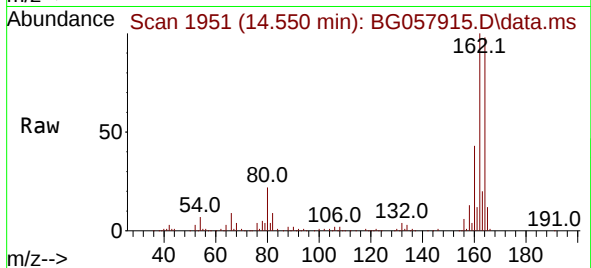




#51
2,6-Dinitrotoluene
Concen: 7.736 ng
RT: 14.550 min Scan# 1951
Delta R.T. 0.414 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

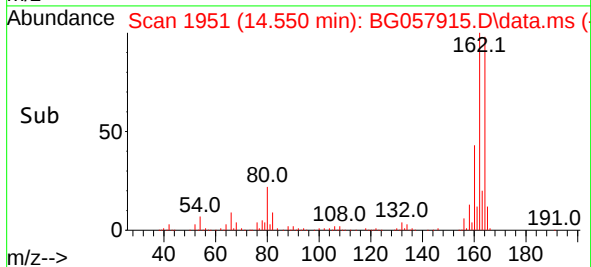
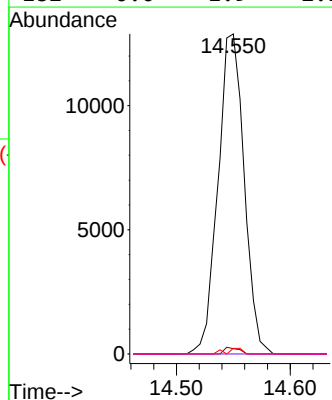
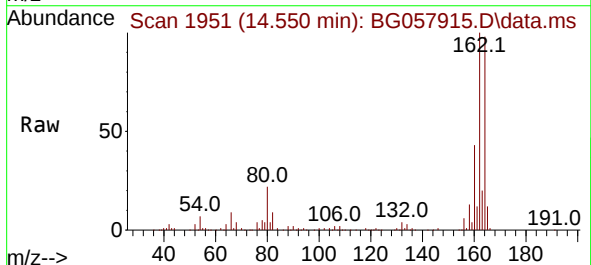
Instrument :
BNA_G
ClientSampleId :
CF-29

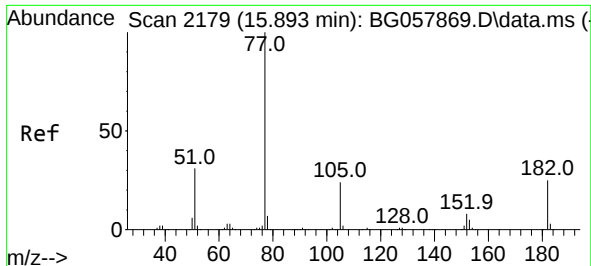
Tgt Ion:165 Resp: 20583
Ion Ratio Lower Upper
165 100
63 1.6 46.4 69.6#
89 1.7 45.0 67.6#



#57
2,4-Dinitrotoluene
Concen: 5.331 ng
RT: 14.550 min Scan# 1951
Delta R.T. -0.367 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

Tgt Ion:165 Resp: 20583
Ion Ratio Lower Upper
165 100
63 1.6 37.6 56.4#
89 1.7 61.0 91.4#
182 0.0 1.9 2.9#

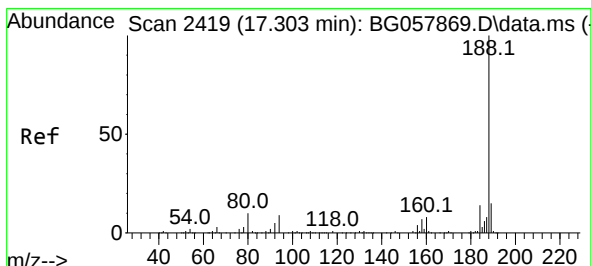
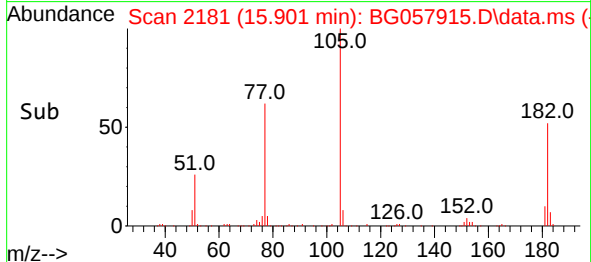
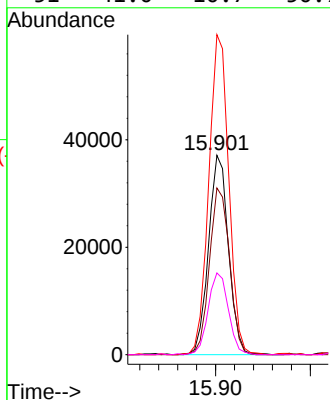
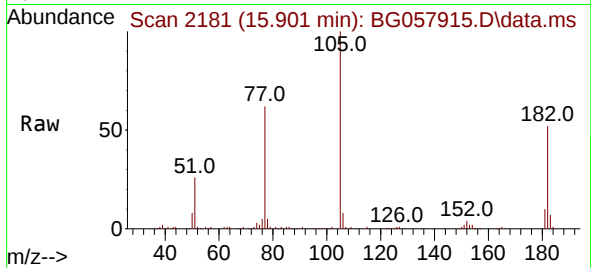




#63
Azobenzene
Concen: 4.202 ng
RT: 15.901 min Scan# 2179
Delta R.T. 0.009 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

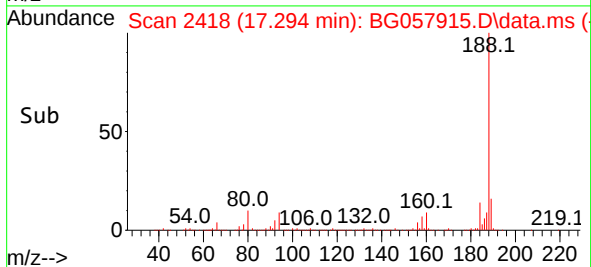
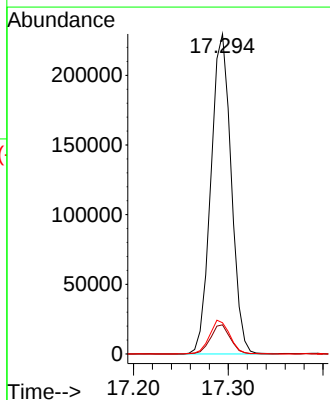
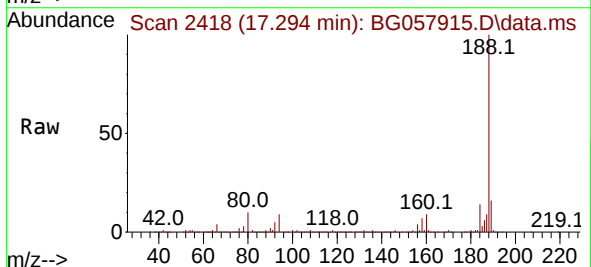
Instrument :
BNA_G
ClientSampleId :
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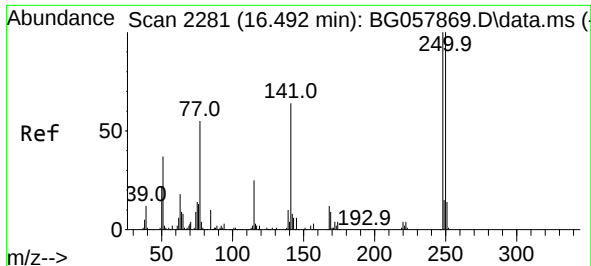
Tgt Ion: 77 Resp: 54278
Ion Ratio Lower Upper
77 100
182 83.6 5.1 45.1#
105 160.5 3.9 43.9#
51 41.0 10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.294 min Scan# 2418
Delta R.T. -0.009 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

Tgt Ion:188 Resp: 341352
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 9.8 8.4 12.6

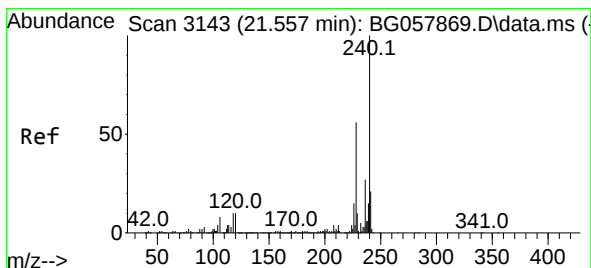
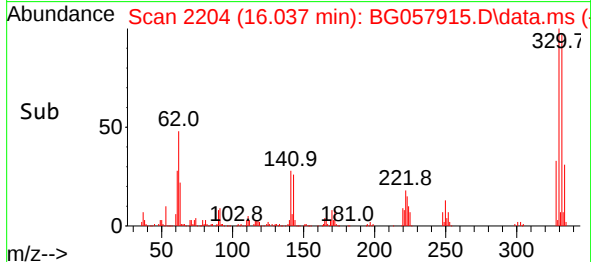
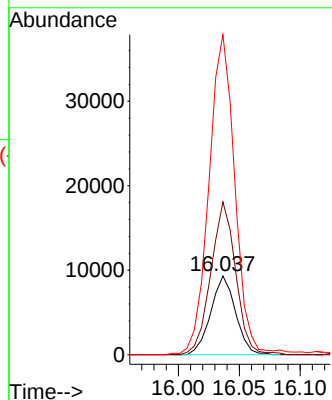
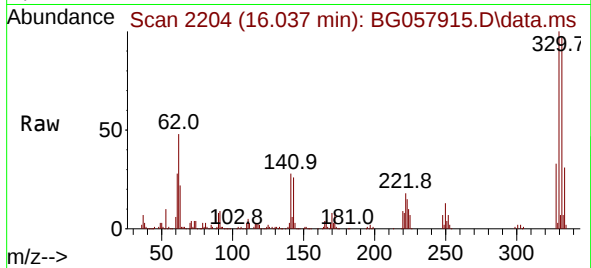




#67
4-Bromophenyl-phenylether
Concen: 3.662 ng
RT: 16.037 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

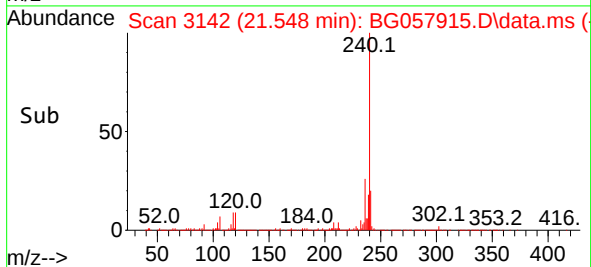
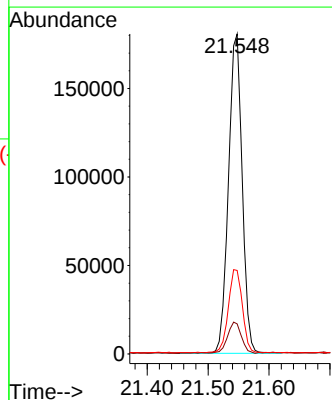
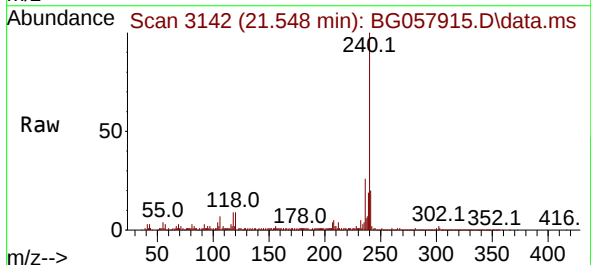
Instrument :
BNA_G
ClientSampleId :
CF-29

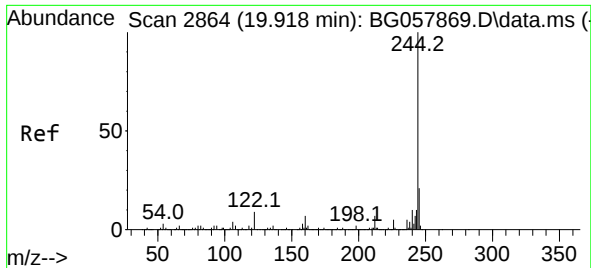
Tgt Ion:248 Resp: 13195
Ion Ratio Lower Upper
248 100
250 194.2 79.7 119.5#
141 406.8 50.8 76.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.548 min Scan# 3142
Delta R.T. -0.009 min
Lab File: BG057915.D
Acq: 29 Jun 2023 22:20

Tgt Ion:240 Resp: 282256
Ion Ratio Lower Upper
240 100
120 9.4 8.1 12.1
236 26.1 21.9 32.9

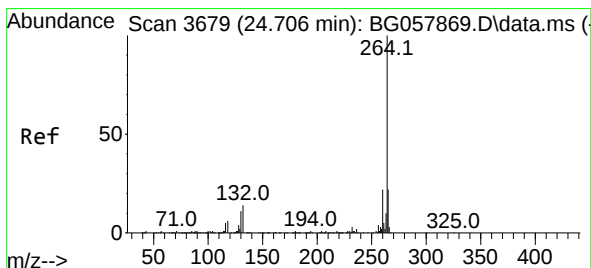
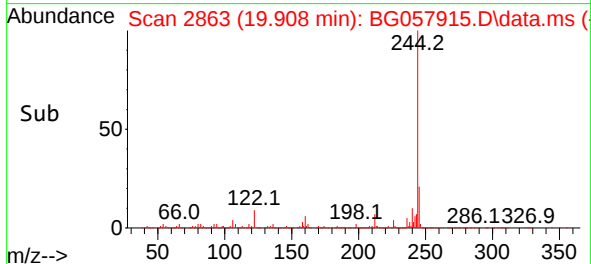
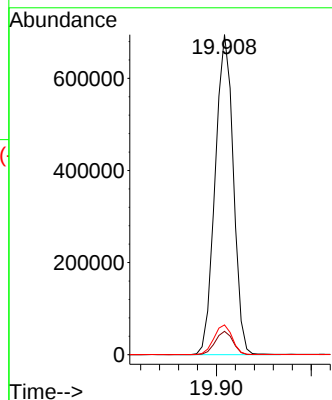
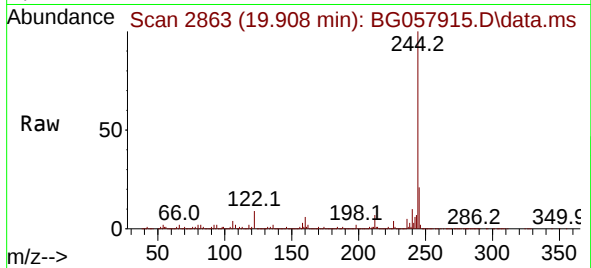




#79
 Terphenyl-d14
 Concen: 59.820 ng
 RT: 19.908 min Scan# 2863
 Delta R.T. -0.009 min
 Lab File: BG057915.D
 Acq: 29 Jun 2023 22:20

Instrument :
 BNA_G
 ClientSampleId :
 CF-29

Tgt Ion:244 Resp: 926148
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 9.3 7.4 11.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.703 min Scan# 3679
 Delta R.T. -0.003 min
 Lab File: BG057915.D
 Acq: 29 Jun 2023 22:20

Tgt Ion:264 Resp: 346866
 Ion Ratio Lower Upper
 264 100
 260 24.4 17.8 26.8
 265 22.2 17.3 25.9

