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 Data File : BG057916.D
 Acq On : 29 Jun 2023 23:02
 Operator : CG/JU
 Sample : 03336-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Quant Time: Jun 30 03:46:52 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

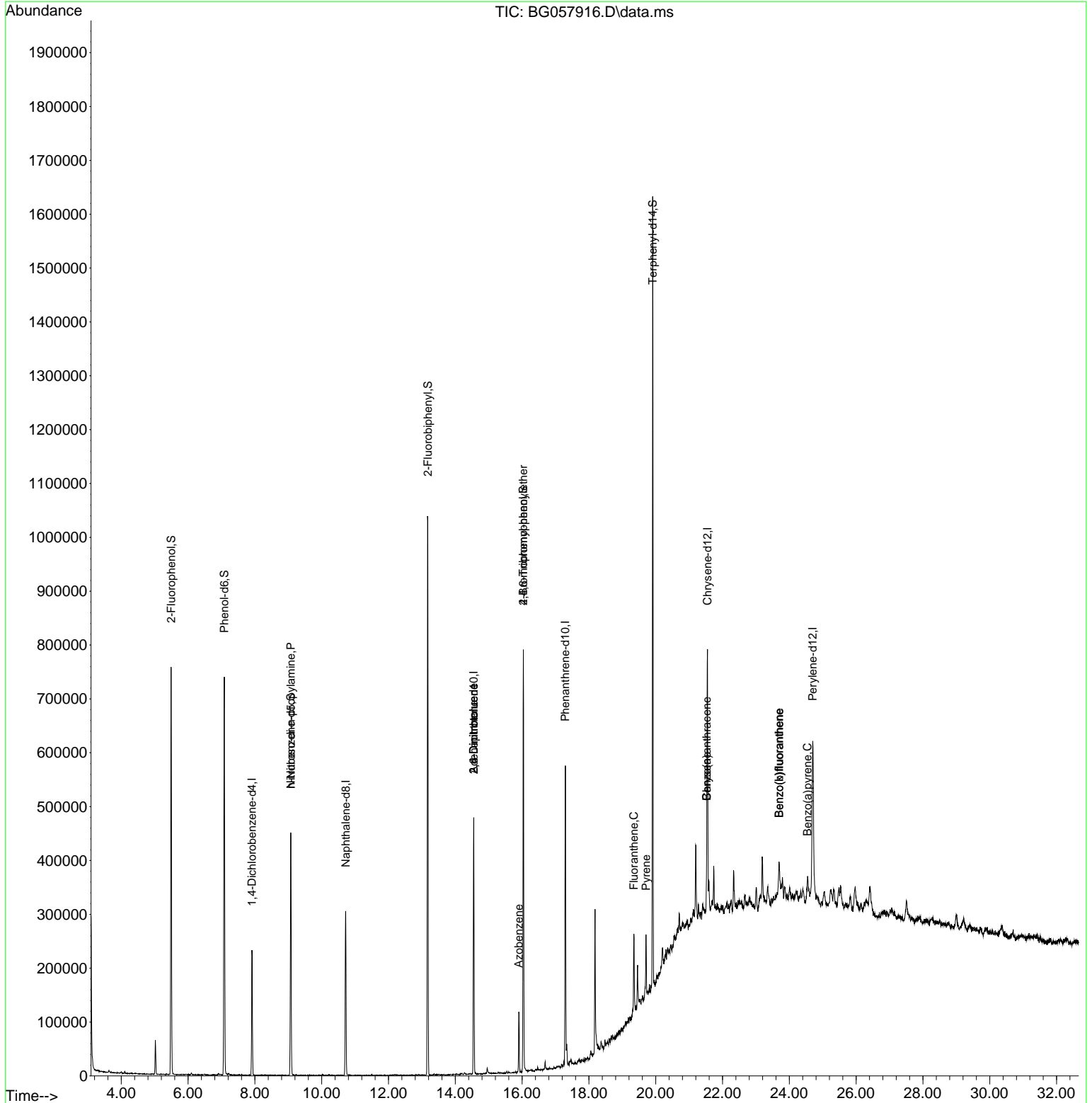
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.912	152	64621	20.000	ng	-0.01
21) Naphthalene-d8	10.721	136	267307	20.000	ng	0.00
39) Acenaphthene-d10	14.552	164	167192	20.000	ng	0.00
64) Phenanthrene-d10	17.295	188	347295	20.000	ng	0.00
76) Chrysene-d12	21.549	240	282001	20.000	ng	0.00
86) Perylene-d12	24.698	264	346190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	325079	76.967	ng	0.00
7) Phenol-d6	7.084	99	455019	72.045	ng	0.00
23) Nitrobenzene-d5	9.076	82	268531	49.232	ng	-0.01
42) 2,4,6-Tribromophenol	16.038	330	167108	59.508	ng	0.00
45) 2-Fluorobiphenyl	13.177	172	566423	51.700	ng	0.00
79) Terphenyl-d14	19.910	244	747654	48.335	ng	0.00
Target Compounds						
9) Benzaldehyde	7.090	77	791	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propyla...	9.076	70	32926	7.791	ng	# 83
51) 2,6-Dinitrotoluene	14.552	165	21787	7.919	ng	# 25
57) 2,4-Dinitrotoluene	14.552	165	21787	5.457	ng	# 22
63) Azobenzene	15.903	77	31495	2.358	ng	# 1
67) 4-Bromophenyl-phenylether	16.038	248	10166	2.773	ng	# 1
75) Fluoranthene	19.346	202	79855	3.802	ng	97
78) Pyrene	19.710	202	71704	3.561	ng	98
81) Benzo(a)anthracene	21.526	228	43763	2.242	ng	99
83) Chrysene	21.526	228	43763	2.369	ng	96
88) Benzo(b)fluoranthene	23.694	252	65956	3.493	ng	# 89
89) Benzo(k)fluoranthene	23.694	252	65956	3.456	ng	# 90
90) Benzo(a)pyrene	24.540	252	43169	2.308	ng	# 88

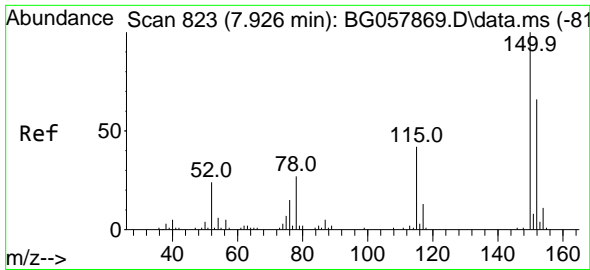
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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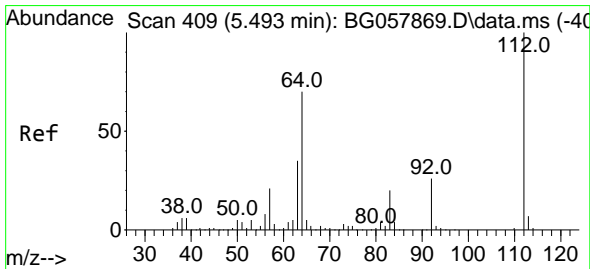
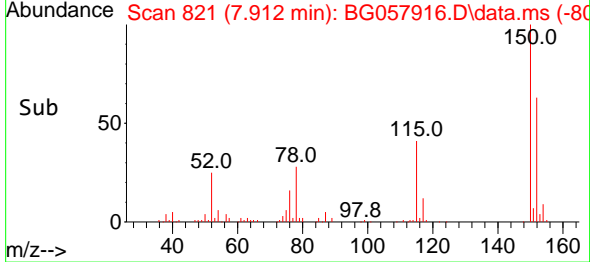
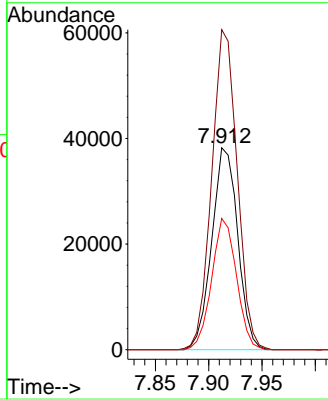
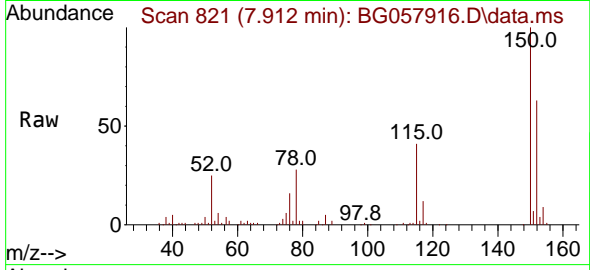




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.912 min Scan# 81
 Delta R.T. -0.014 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

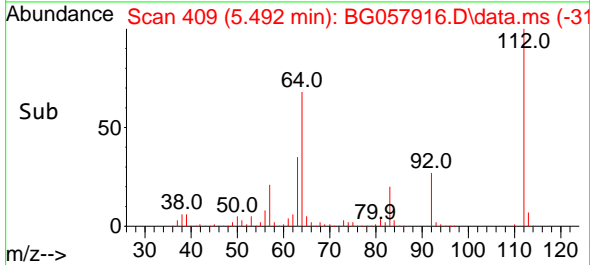
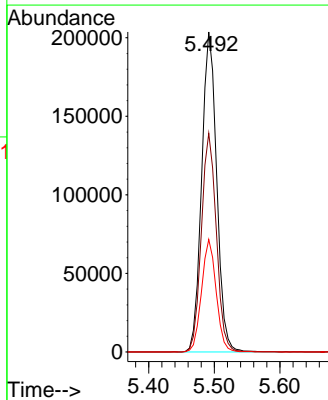
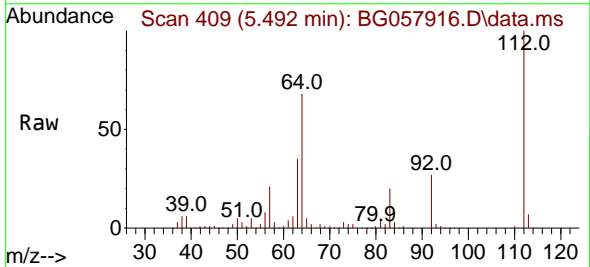
Instrument :
 BNA_G
 ClientSampleId :
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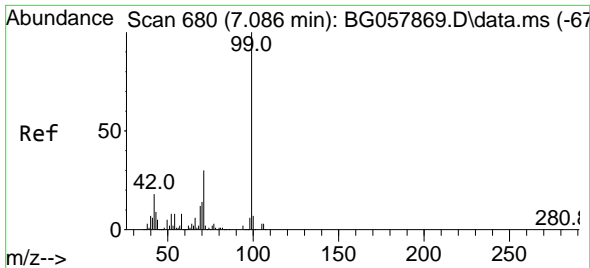
Tgt Ion:152 Resp: 64621
 Ion Ratio Lower Upper
 152 100
 150 158.5 122.0 183.0
 115 65.0 50.7 76.1



#5
 2-Fluorophenol
 Concen: 76.967 ng
 RT: 5.492 min Scan# 409
 Delta R.T. -0.002 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion:112 Resp: 325079
 Ion Ratio Lower Upper
 112 100
 64 68.4 55.8 83.6
 63 35.1 27.9 41.9

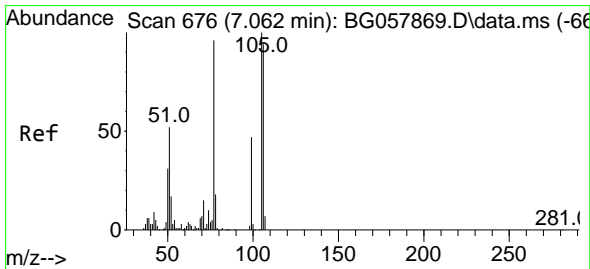
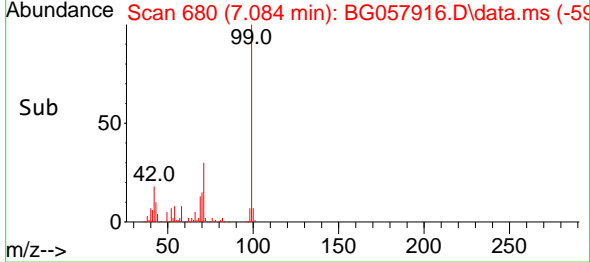
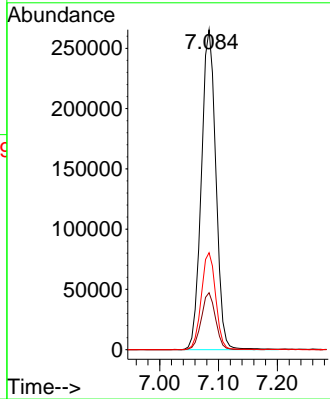
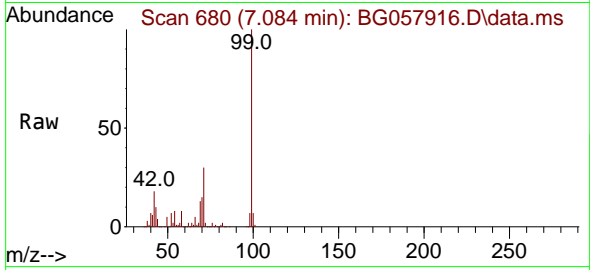




#7
 Phenol-d6
 Concen: 72.045 ng
 RT: 7.084 min Scan# 681
 Delta R.T. -0.002 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

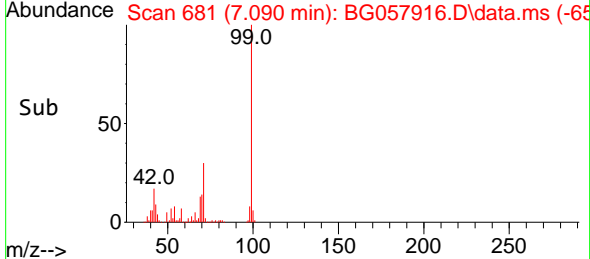
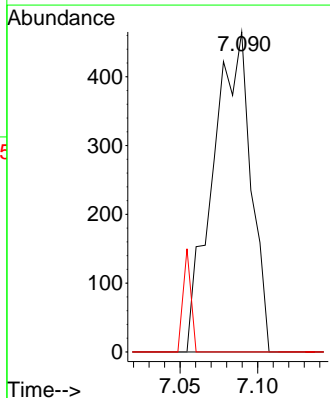
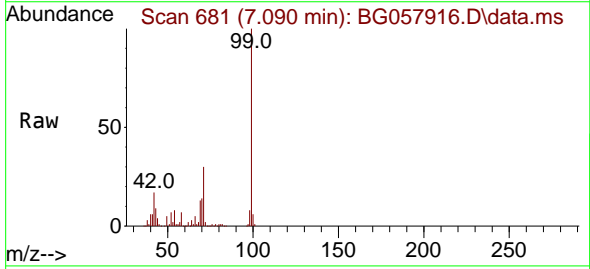
Instrument : BNA_G
 ClientSampleId : SB38

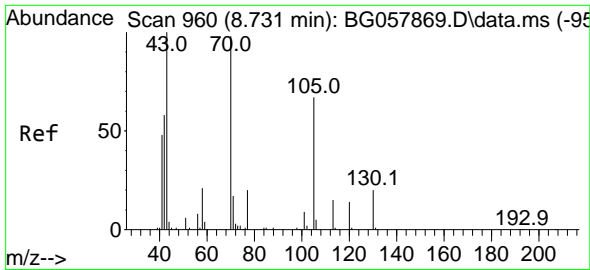
Tgt Ion	Resp	Lower	Upper
99	455019		
99	100		
42	17.8	14.2	21.4
71	30.3	23.9	35.9



#9
 Benzaldehyde
 Concen: Below Cal
 RT: 7.090 min Scan# 681
 Delta R.T. 0.028 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

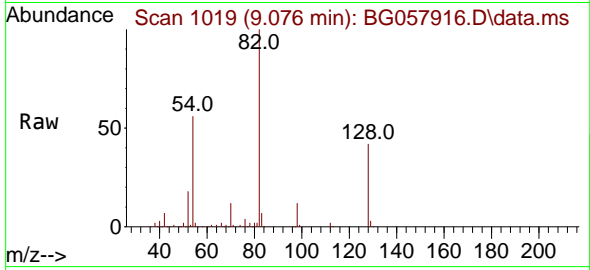
Tgt Ion	Resp	Lower	Upper
77	791		
77	100		
105	0.0	83.7	123.7#
106	0.0	77.4	117.4#



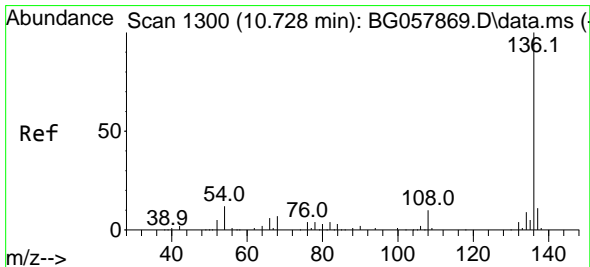
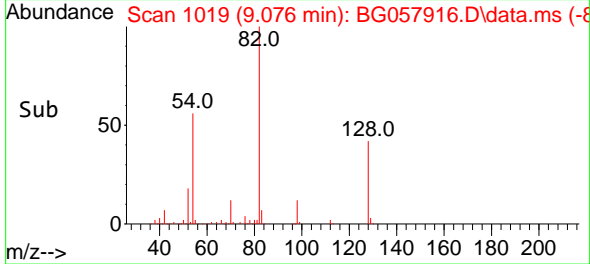
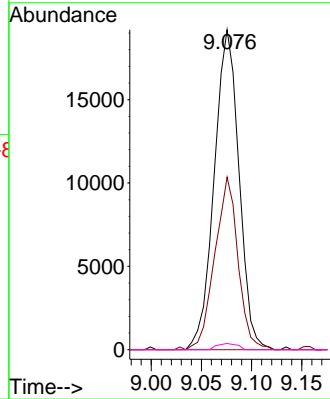


#19
 n-Nitroso-di-n-propylamine
 Concen: 7.791 ng
 RT: 9.076 min Scan# 1019
 Delta R.T. 0.345 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

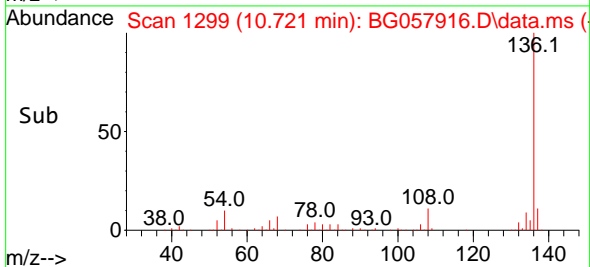
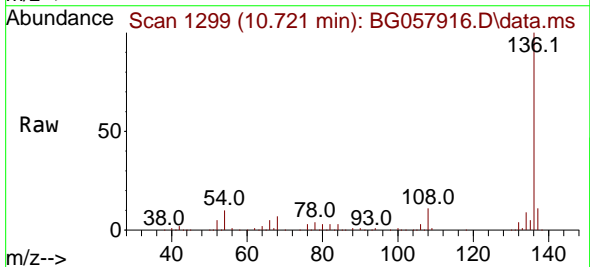
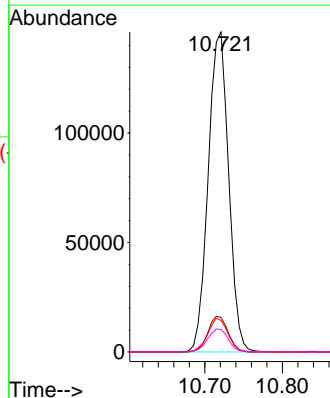


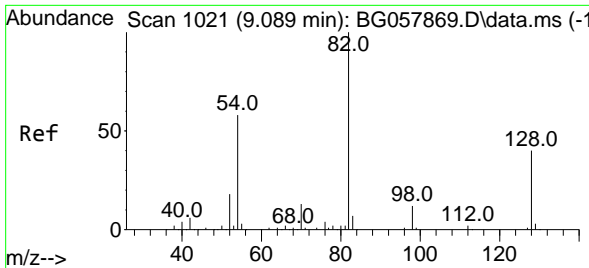
Tgt Ion: 70 Resp: 32926
 Ion Ratio Lower Upper
 70 100
 42 53.9 48.4 72.6
 101 0.0 7.2 10.8#
 130 2.0 16.5 24.7#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.721 min Scan# 1299
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

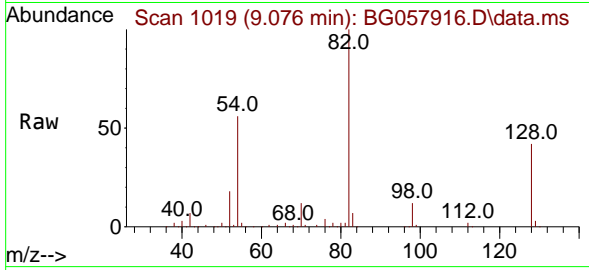
Tgt Ion:136 Resp: 267307
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.6 12.8
 54 9.8 9.3 13.9
 68 7.1 5.9 8.9



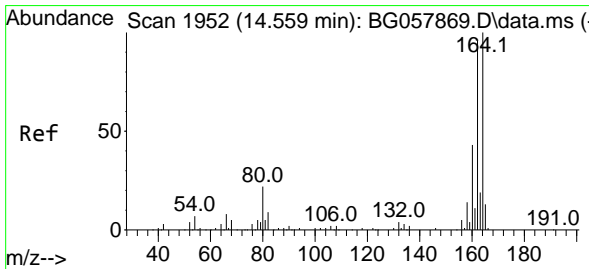
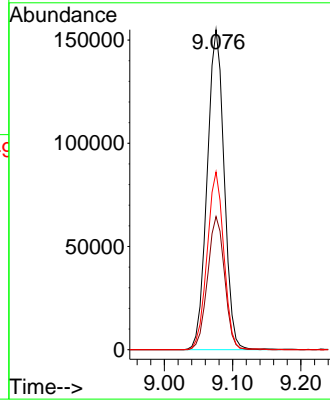
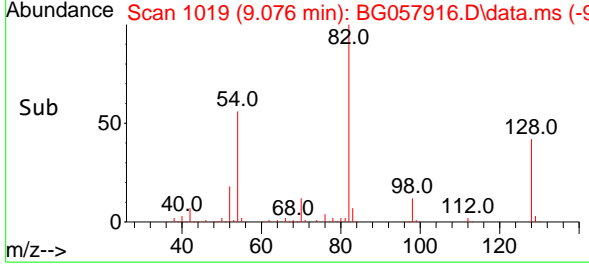


#23
 Nitrobenzene-d5
 Concen: 49.232 ng
 RT: 9.076 min Scan# 10
 Delta R.T. -0.013 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

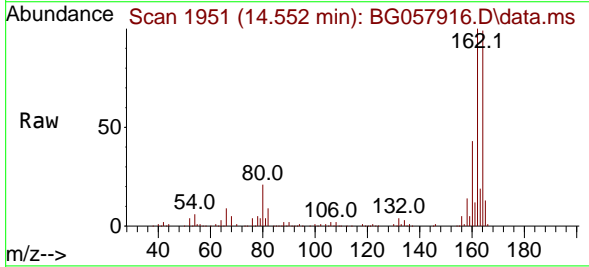
Instrument :
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 ClientSampleId :
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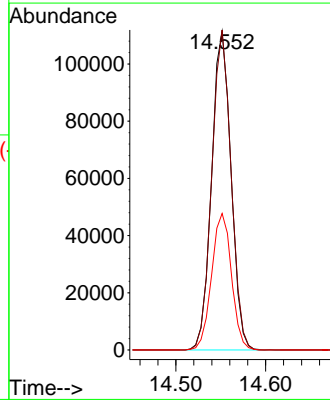
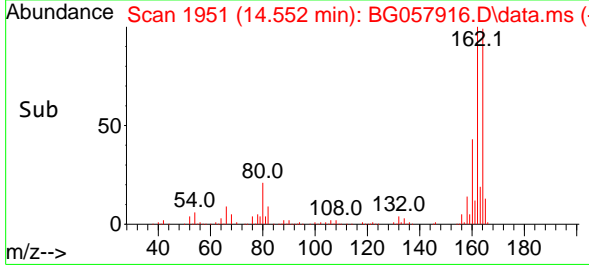
Tgt Ion: 82 Resp: 268531
 Ion Ratio Lower Upper
 82 100
 128 41.6 32.2 48.4
 54 55.5 46.1 69.1

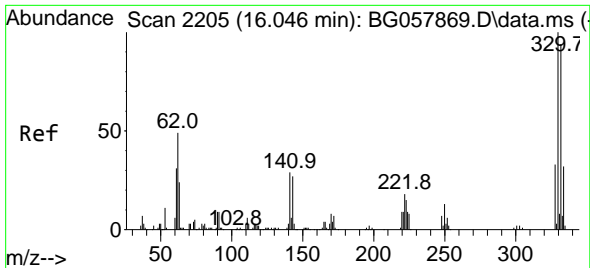


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.552 min Scan# 1951
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02



Tgt Ion: 164 Resp: 167192
 Ion Ratio Lower Upper
 164 100
 162 100.5 76.4 114.6
 160 42.9 34.2 51.2

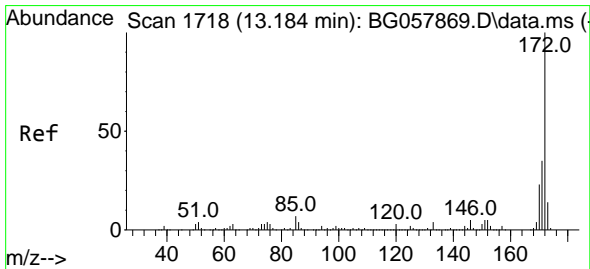
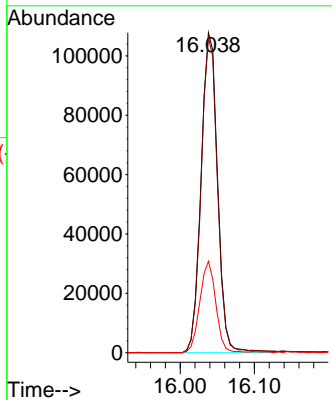
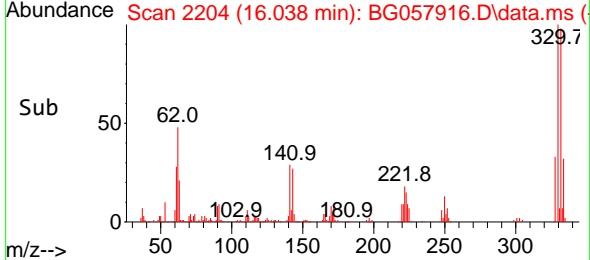
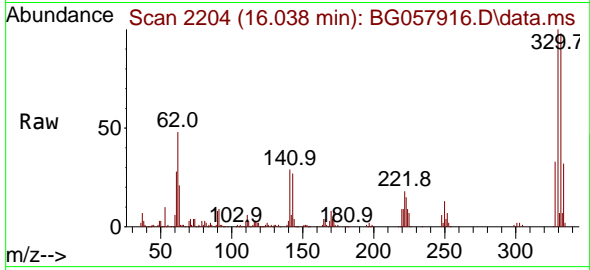




#42
 2,4,6-Tribromophenol
 Concen: 59.508 ng
 RT: 16.038 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

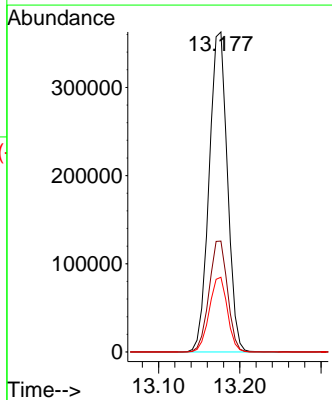
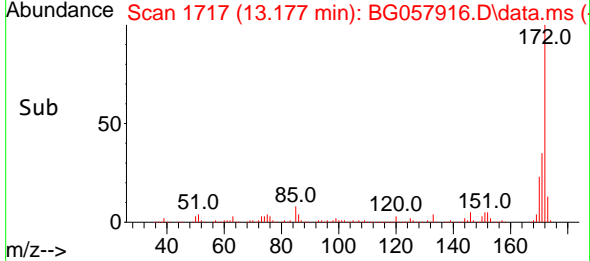
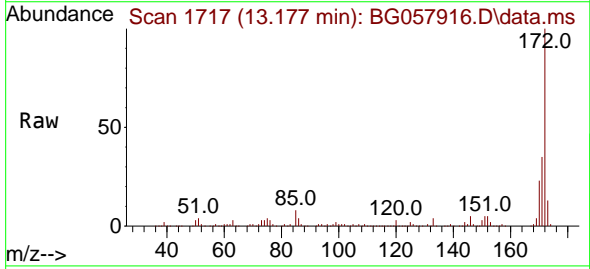
Instrument : BNA_G
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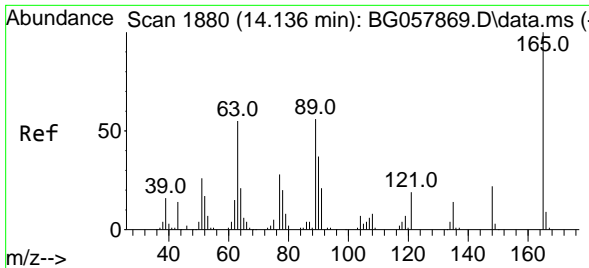
Tgt Ion	Resp	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	27.5	22.2	33.4



#45
 2-Fluorobiphenyl
 Concen: 51.700 ng
 RT: 13.177 min Scan# 1717
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

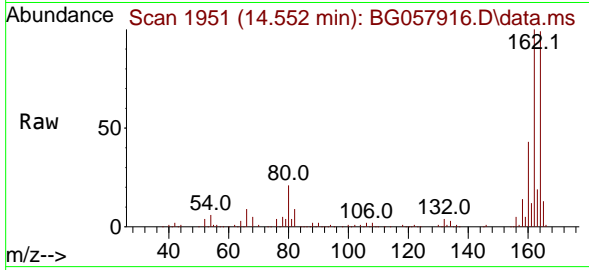
Tgt Ion	Resp	Lower	Upper
172	100		
171	34.7	27.8	41.8
170	23.4	18.6	27.8



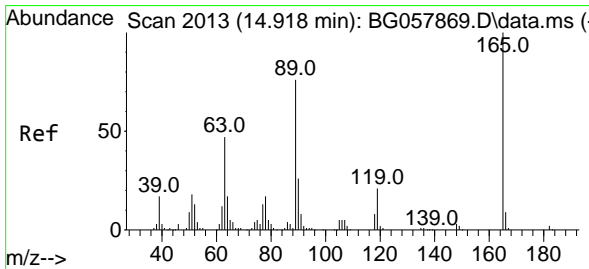
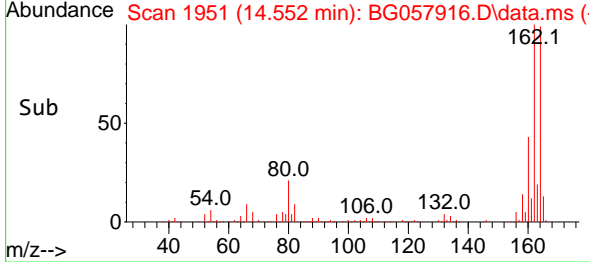
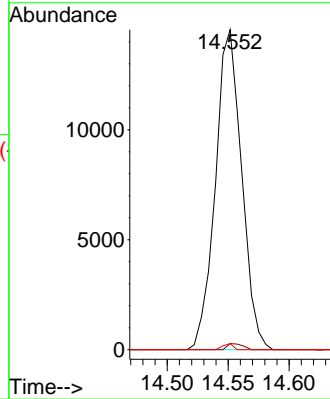


#51
 2,6-Dinitrotoluene
 Concen: 7.919 ng
 RT: 14.552 min Scan# 1951
 Delta R.T. 0.415 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

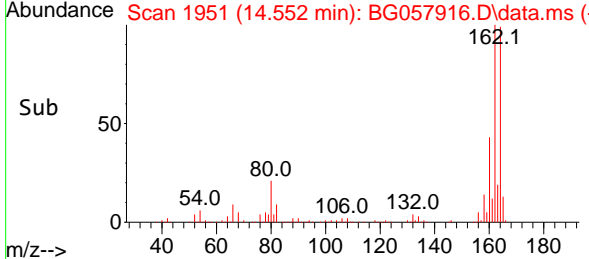
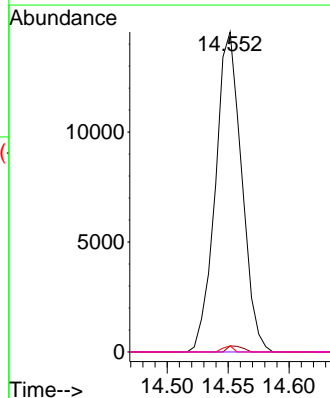
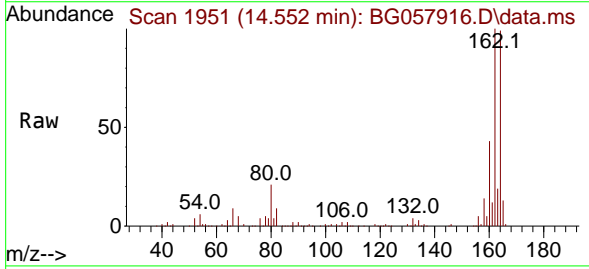


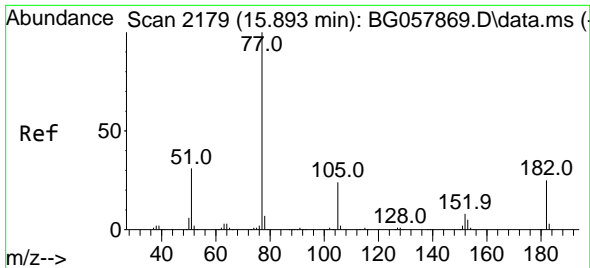
Tgt Ion:165 Resp: 21787
 Ion Ratio Lower Upper
 165 100
 63 1.9 46.4 69.6#
 89 1.9 45.0 67.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.457 ng
 RT: 14.552 min Scan# 1951
 Delta R.T. -0.366 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

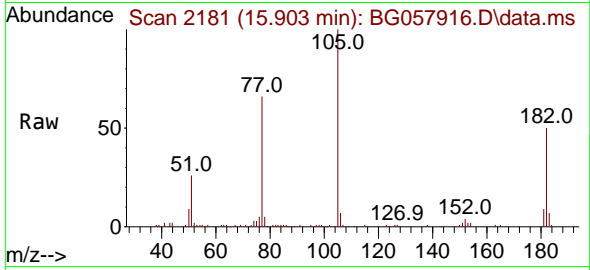
Tgt Ion:165 Resp: 21787
 Ion Ratio Lower Upper
 165 100
 63 1.9 37.6 56.4#
 89 1.9 61.0 91.4#
 182 0.0 1.9 2.9#



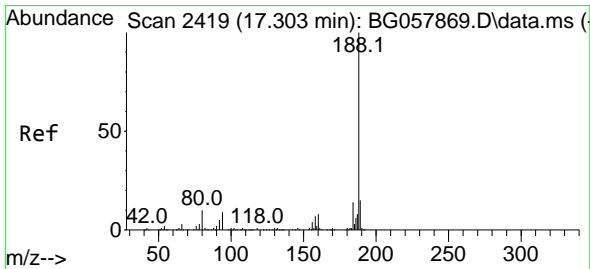
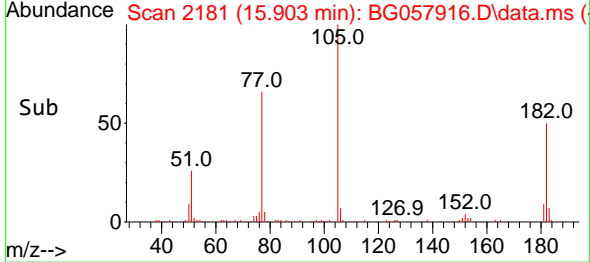
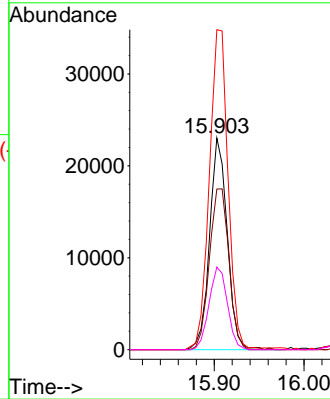


#63
 Azobenzene
 Concen: 2.358 ng
 RT: 15.903 min Scan# 2179
 Delta R.T. 0.010 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument : BNA_G
 ClientSampleId : SB38

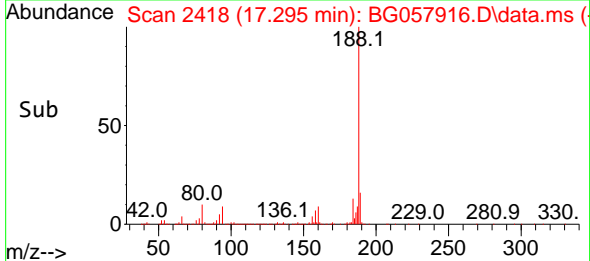
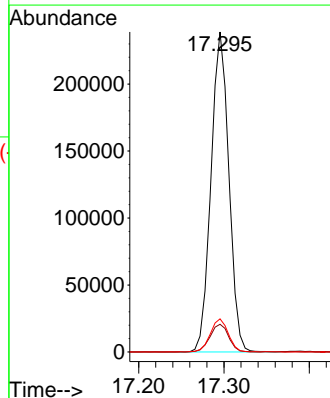
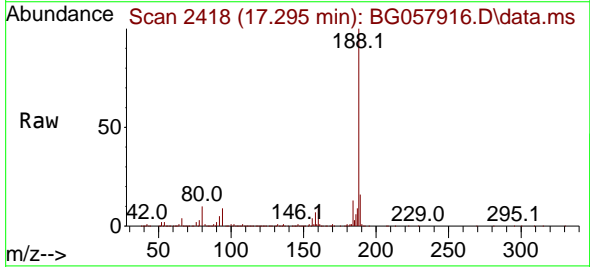


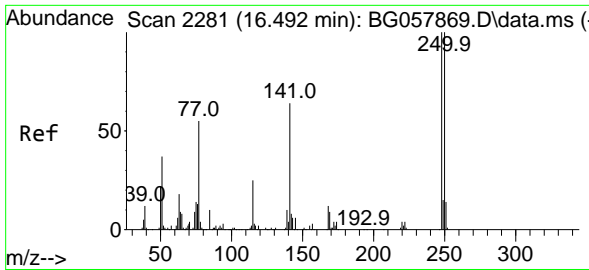
Tgt Ion: 77 Resp: 31495
 Ion Ratio Lower Upper
 77 100
 182 75.8 5.1 45.1#
 105 151.1 3.9 43.9#
 51 39.0 10.7 50.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.295 min Scan# 2418
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion: 188 Resp: 347295
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.2 10.8
 80 10.4 8.4 12.6

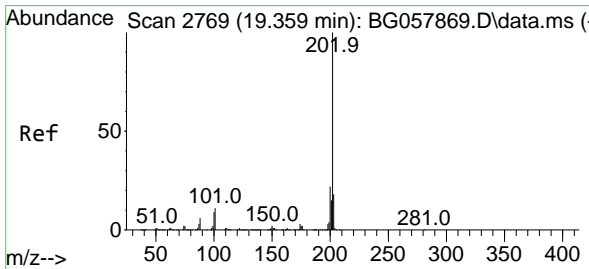
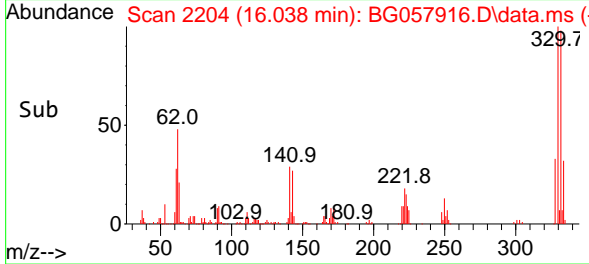
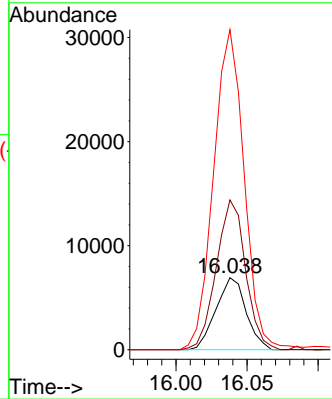
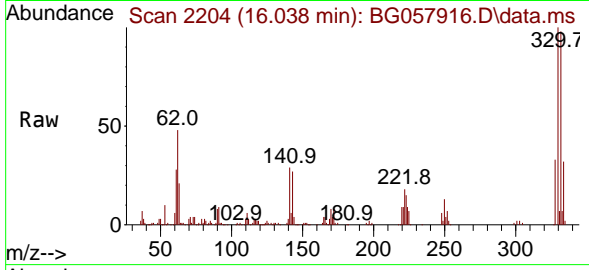




#67
 4-Bromophenyl-phenylether
 Concen: 2.773 ng
 RT: 16.038 min Scan# 211
 Delta R.T. -0.454 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

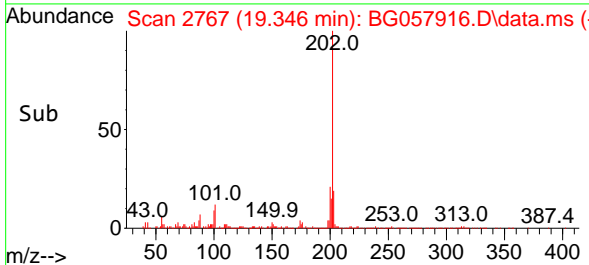
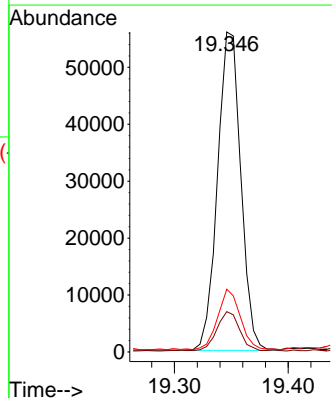
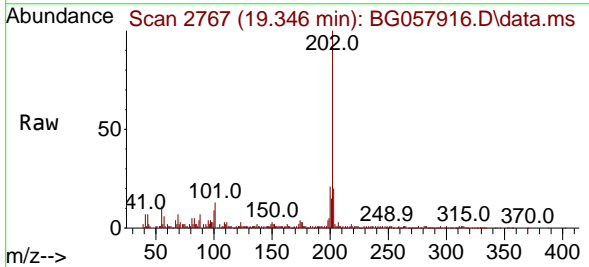
Instrument :
 BNA_G
 ClientSampleId :
 SB38

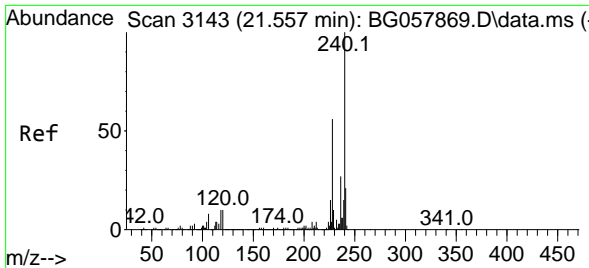
Tgt Ion	Resp	Lower	Upper
248	10166		
250	207.9	79.7	119.5#
141	444.2	50.8	76.2#



#75
 Fluoranthene
 Concen: 3.802 ng
 RT: 19.346 min Scan# 2767
 Delta R.T. -0.013 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion	Resp	Lower	Upper
202	79855		
101	12.6	0.0	31.3
203	19.6	0.0	38.2



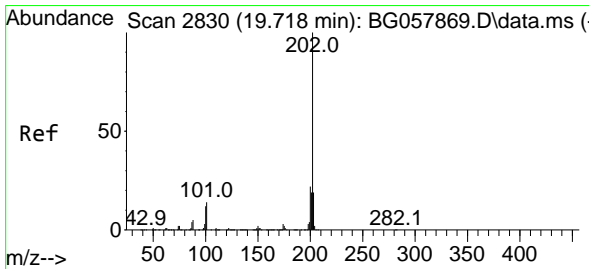
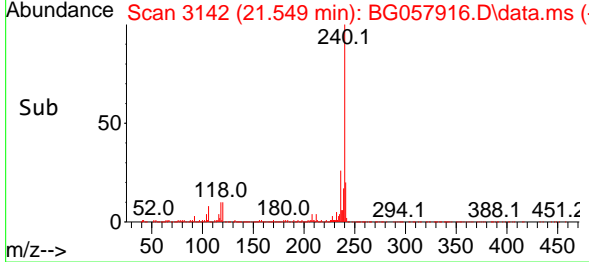
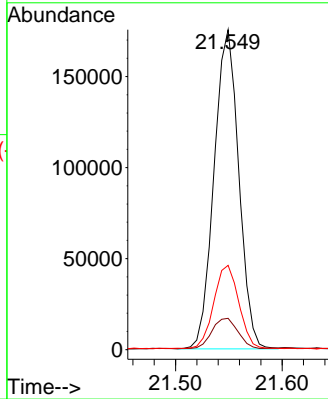
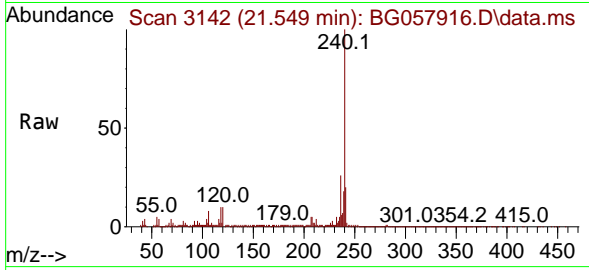


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.549 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Tgt Ion:240 Resp: 282001

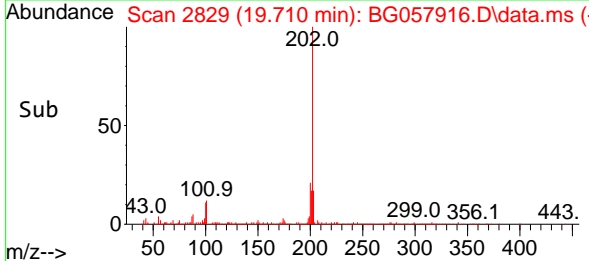
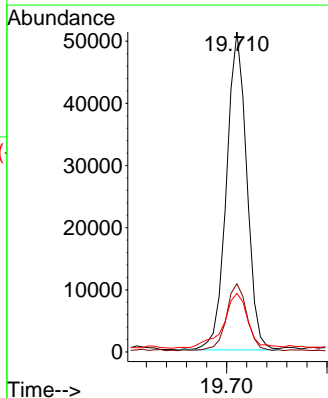
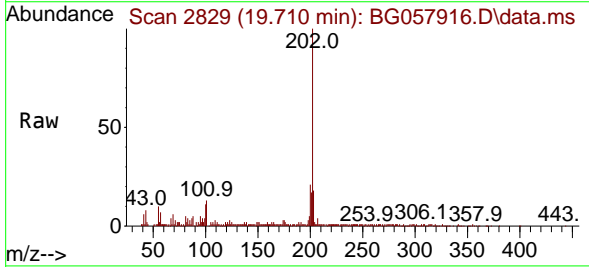
Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.1	12.1
236	26.3	21.9	32.9

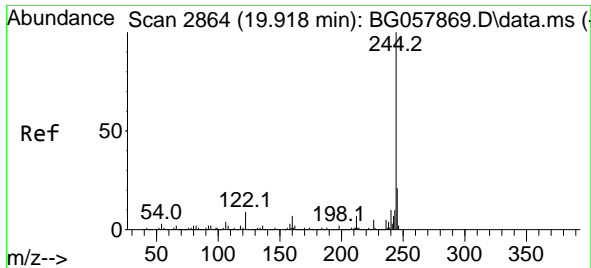


#78
 Pyrene
 Concen: 3.561 ng
 RT: 19.710 min Scan# 2829
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion:202 Resp: 71704

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.3	15.2	22.8



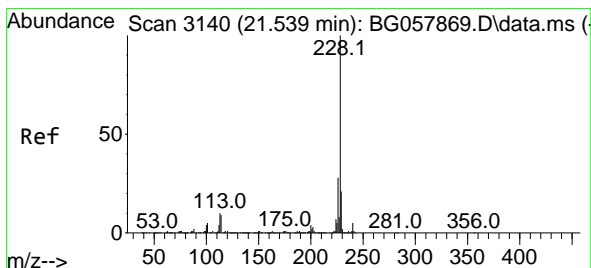
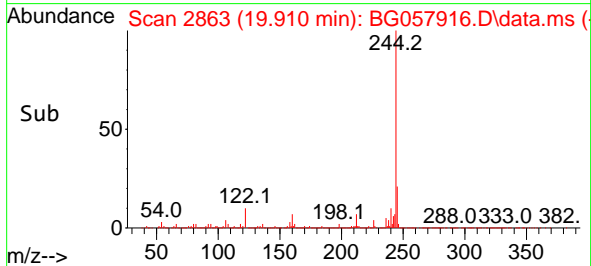
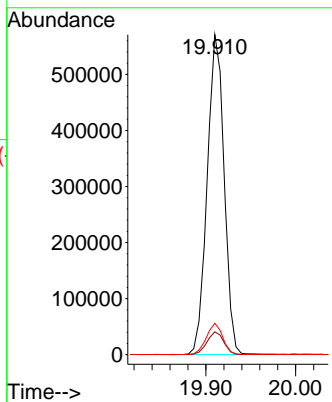
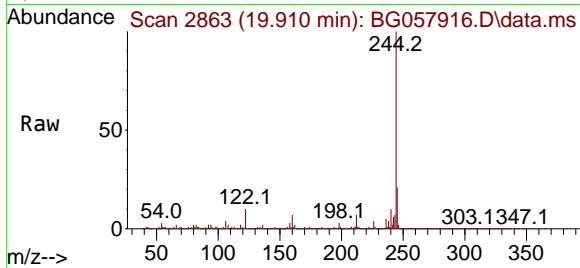


#79
 Terphenyl-d14
 Concen: 48.335 ng
 RT: 19.910 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Tgt Ion:244 Resp: 747654

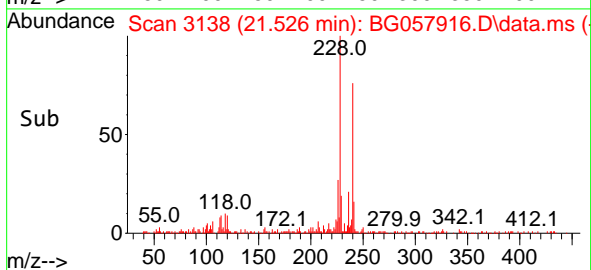
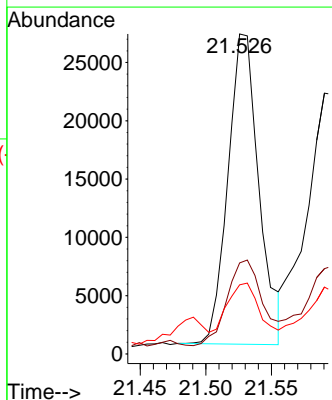
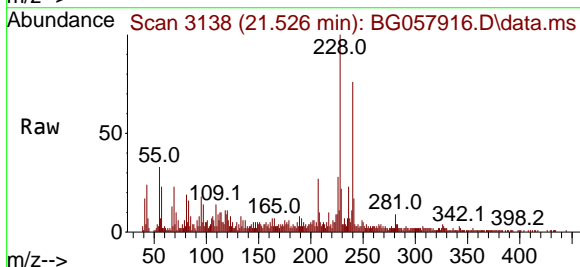
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.8	7.4	11.0

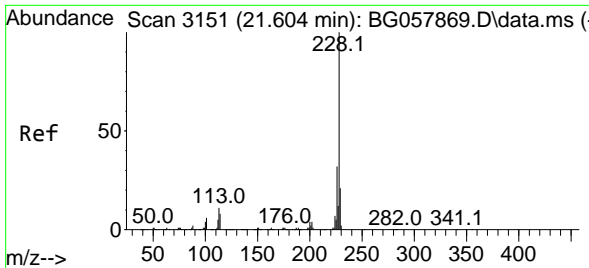


#81
 Benzo(a)anthracene
 Concen: 2.242 ng
 RT: 21.526 min Scan# 3138
 Delta R.T. -0.013 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion:228 Resp: 43763

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.7	34.1
229	21.6	16.5	24.7



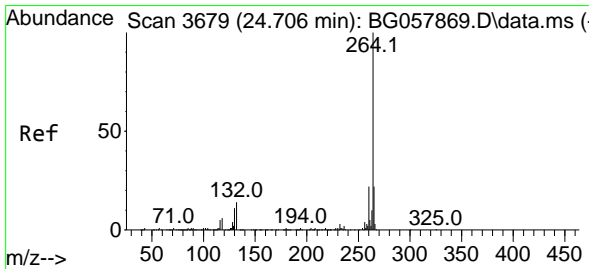
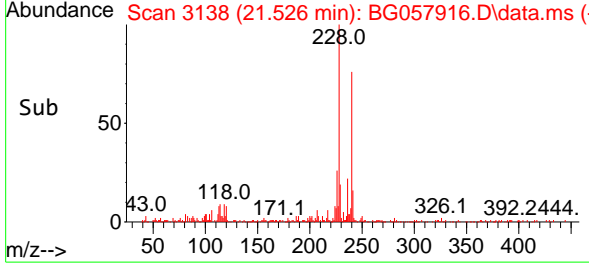
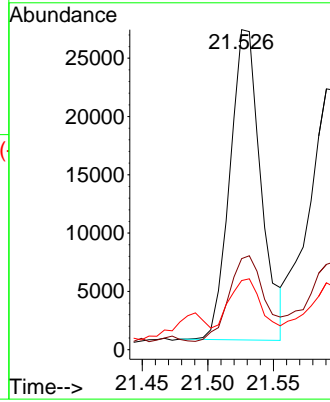
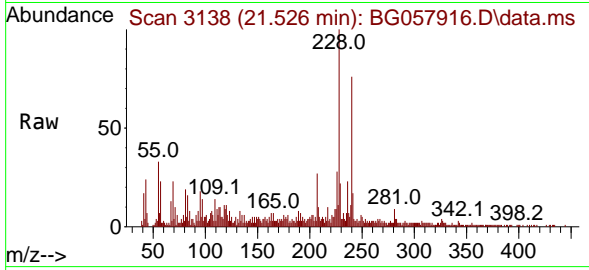


#83
 Chrysene
 Concen: 2.369 ng
 RT: 21.526 min Scan# 3151
 Delta R.T. -0.078 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Tgt Ion:228 Resp: 43763

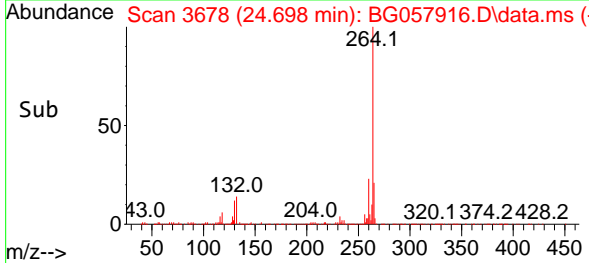
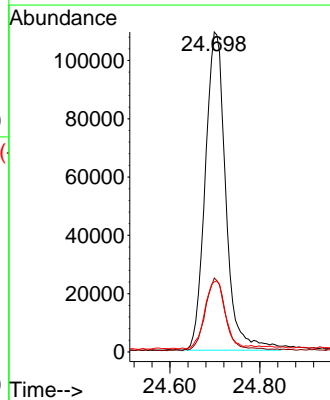
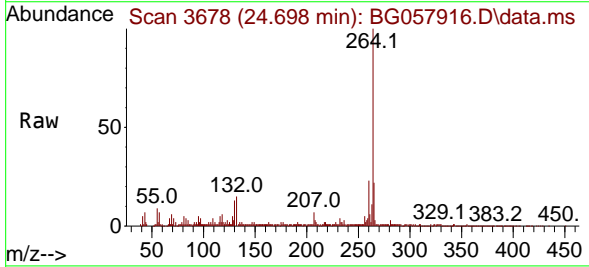
Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.3	37.9
229	21.6	16.5	24.7

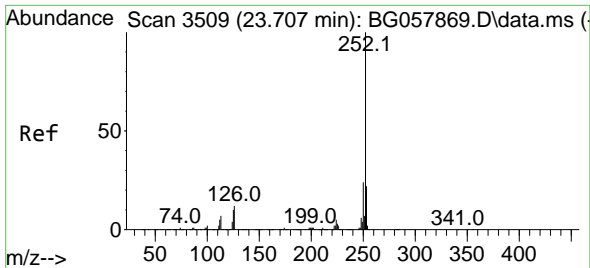


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.698 min Scan# 3678
 Delta R.T. -0.008 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion:264 Resp: 346190

Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.8	26.8
265	22.0	17.3	25.9



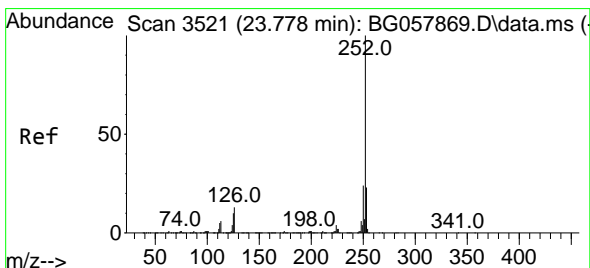
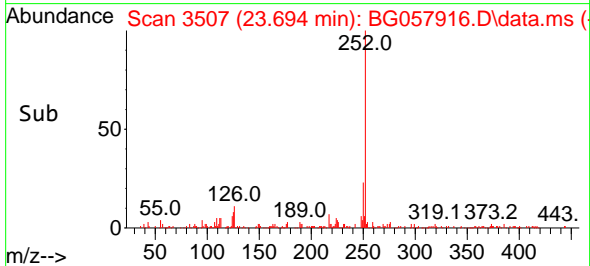
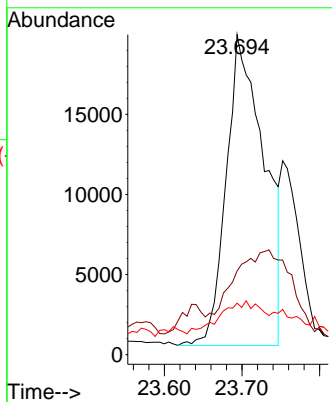
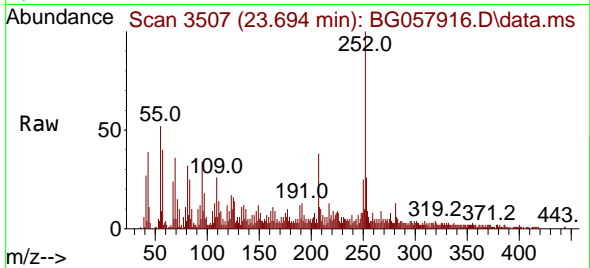


#88
 Benzo(b)fluoranthene
 Concen: 3.493 ng
 RT: 23.694 min Scan# 31
 Delta R.T. -0.013 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Tgt Ion:252 Resp: 65956

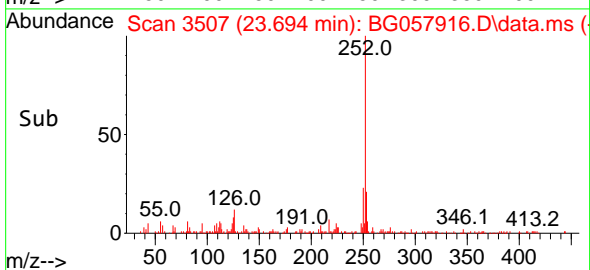
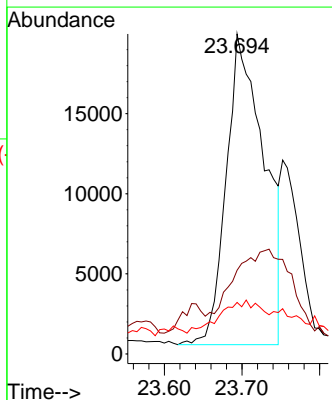
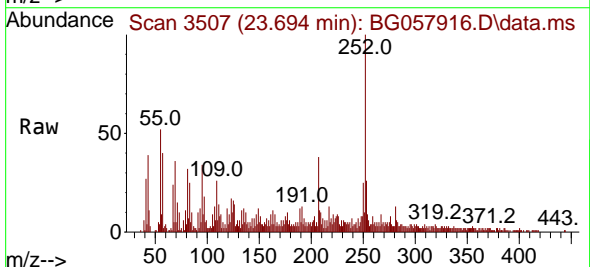
Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.7	26.5
125	16.1	7.7	11.5#

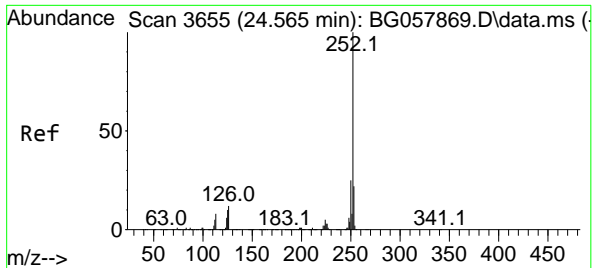


#89
 Benzo(k)fluoranthene
 Concen: 3.456 ng
 RT: 23.694 min Scan# 3507
 Delta R.T. -0.084 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Tgt Ion:252 Resp: 65956

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	16.1	7.8	11.6#





#90
 Benzo(a)pyrene
 Concen: 2.308 ng
 RT: 24.540 min Scan# 30
 Delta R.T. -0.025 min
 Lab File: BG057916.D
 Acq: 29 Jun 2023 23:02

Instrument :
 BNA_G
 ClientSampleId :
 SB38

Tgt Ion:252 Resp: 43169

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	19.7	8.0	12.0#

