

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
 Data File : BG057616.D
 Acq On : 30 May 2023 21:37
 Operator : CG/JU
 Sample : 02955-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC22

Quant Time: May 31 03:30:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 31 03:25:39 2023
 Response via : Initial Calibration

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

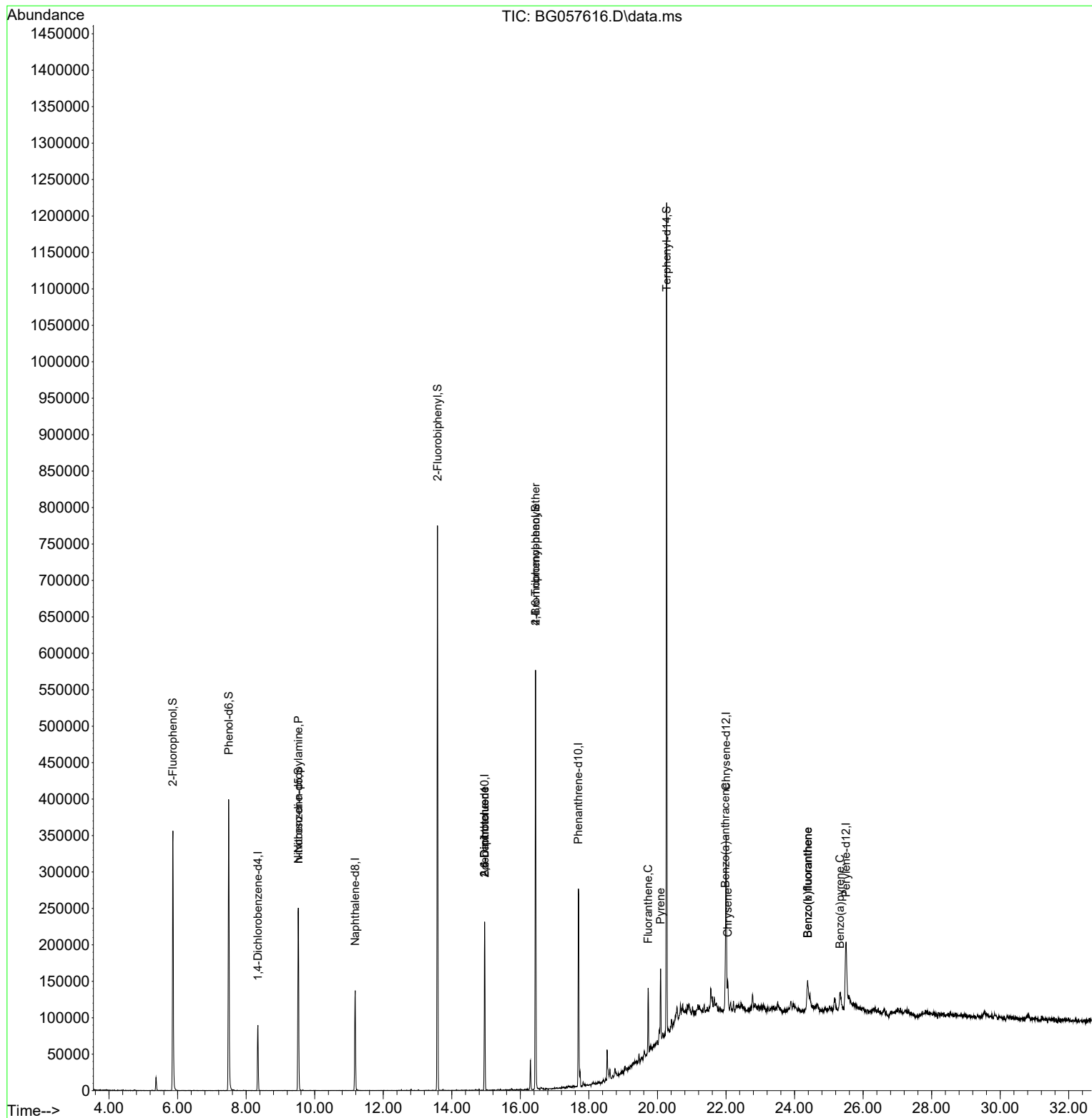
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.343	152	27585	20.000	ng	0.00
21) Naphthalene-d8	11.180	136	117871	20.000	ng	0.00
39) Acenaphthene-d10	14.958	164	83049	20.000	ng	0.00
64) Phenanthrene-d10	17.695	188	183048	20.000	ng	0.00
76) Chrysene-d12	22.001	240	147385	20.000	ng	0.00
86) Perylene-d12	25.502	264	144584	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.864	112	171446	107.977	ng	0.00
7) Phenol-d6	7.491	99	260130	104.685	ng	0.00
23) Nitrobenzene-d5	9.524	82	171346	67.954	ng	0.00
42) 2,4,6-Tribromophenol	16.444	330	117459	88.339	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	419991	72.677	ng	0.00
79) Terphenyl-d14	20.268	244	606211	71.248	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.524	70	22945	13.291	ng	# 76
51) 2,6-Dinitrotoluene	14.958	165	10897	7.437	ng	# 27
57) 2,4-Dinitrotoluene	14.958	165	10897	4.967	ng	# 25
67) 4-Bromophenyl-phenylether	16.444	248	7914	3.854	ng	# 1
75) Fluoranthene	19.728	202	58133	4.780	ng	96
78) Pyrene	20.092	202	63173	6.020	ng	96
81) Benzo(a)anthracene	21.983	228	37204	3.639	ng	96
83) Chrysene	22.054	228	33978	3.516	ng	96
88) Benzo(b)fluoranthene	24.386	252	70010	7.867	ng	# 90
89) Benzo(k)fluoranthene	24.386	252	70010	7.795	ng	# 87
90) Benzo(a)pyrene	25.326	252	35283	4.065	ng	# 96

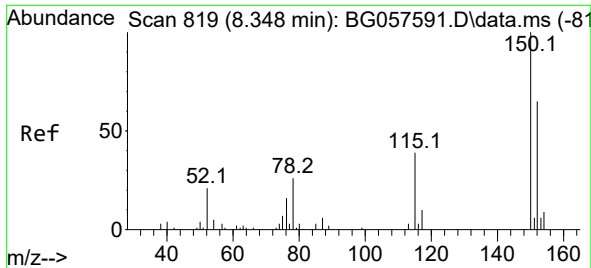
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
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Response via : Initial Calibration

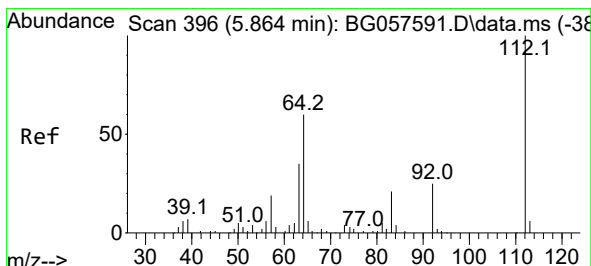
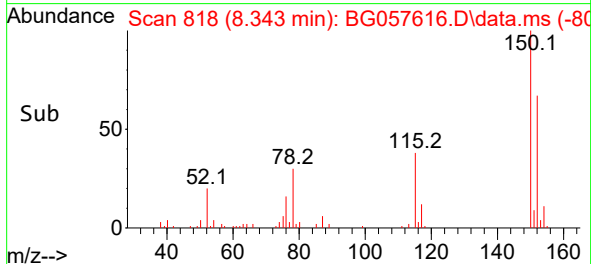
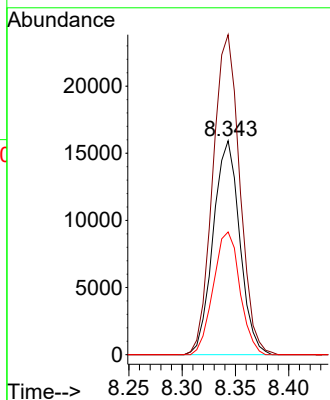
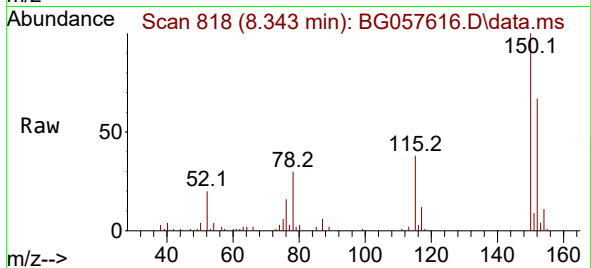




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.343 min Scan# 819
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

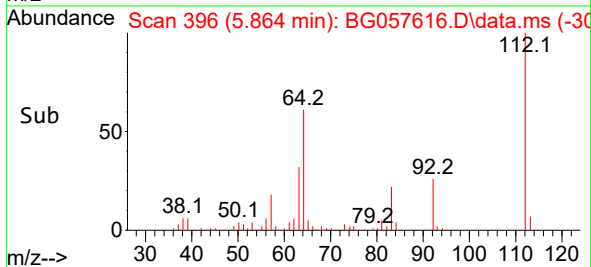
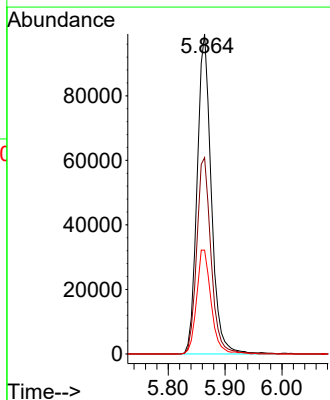
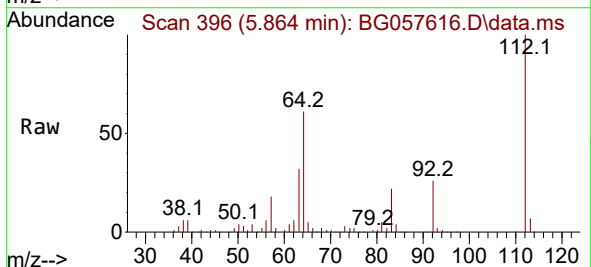
Instrument :
BNA_G
ClientSampleId :
WC22

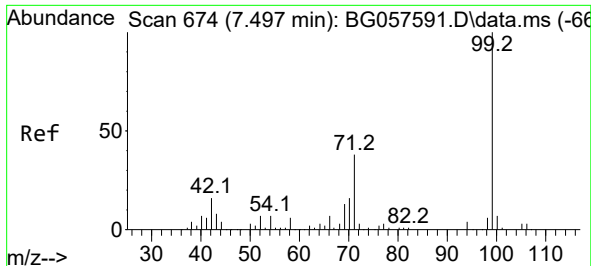
Tgt Ion:152 Resp: 27585
Ion Ratio Lower Upper
152 100
150 149.6 123.0 184.4
115 57.4 47.4 71.2



#5
2-Fluorophenol
Concen: 107.977 ng
RT: 5.864 min Scan# 396
Delta R.T. 0.005 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:112 Resp: 171446
Ion Ratio Lower Upper
112 100
64 61.4 47.8 71.6
63 32.5 27.8 41.8

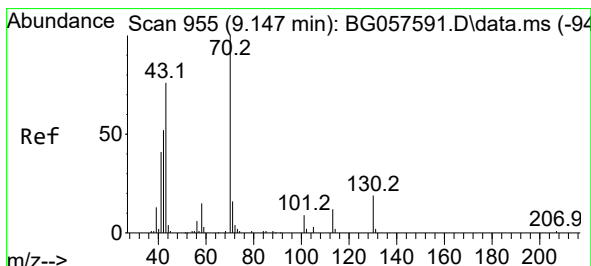
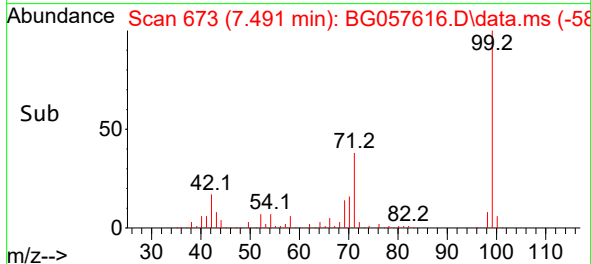
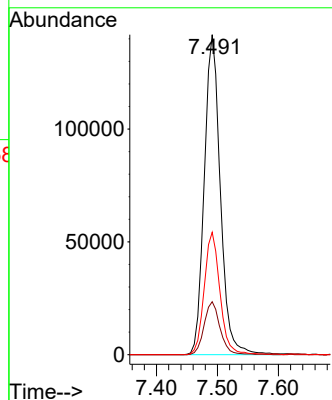
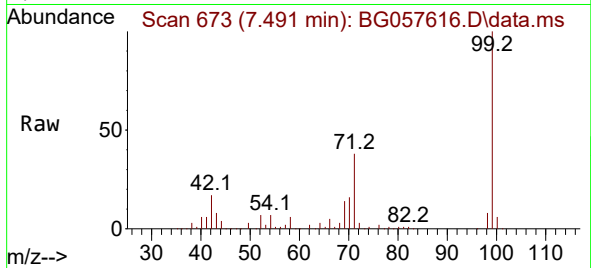




#7
Phenol-d6
Concen: 104.685 ng
RT: 7.491 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

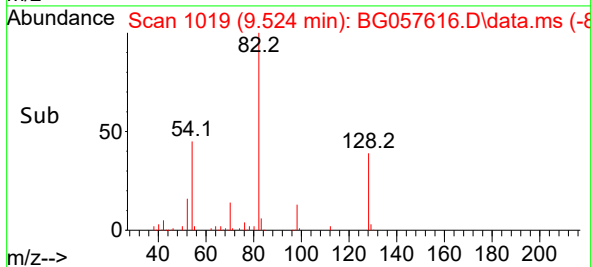
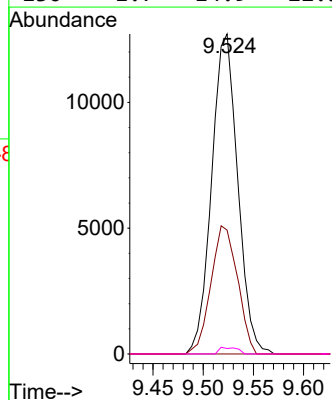
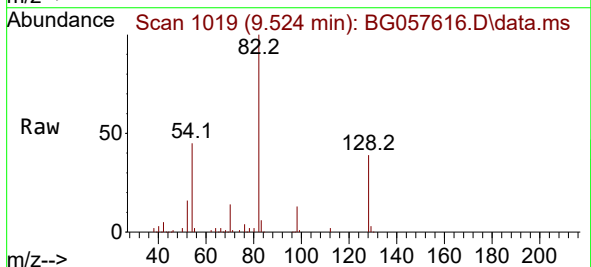
Instrument :
BNA_G
ClientSampleId :
WC22

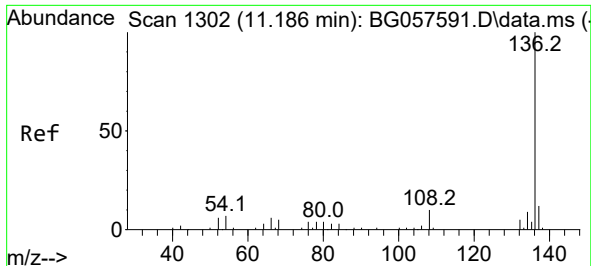
Tgt Ion: 99 Resp: 260130
Ion Ratio Lower Upper
99 100
42 16.5 12.8 19.2
71 38.2 30.3 45.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.291 ng
RT: 9.524 min Scan# 1019
Delta R.T. 0.381 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion: 70 Resp: 22945
Ion Ratio Lower Upper
70 100
42 38.7 41.4 62.0#
101 0.0 6.9 10.3#
130 1.7 14.9 22.3#

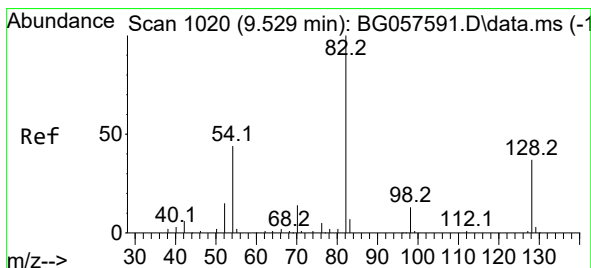
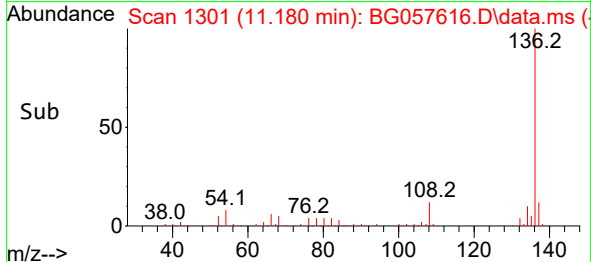
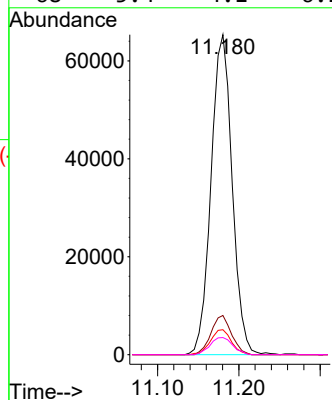
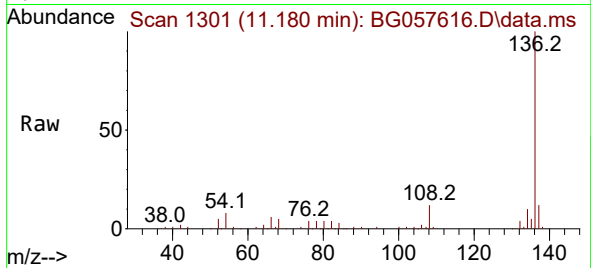




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.180 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

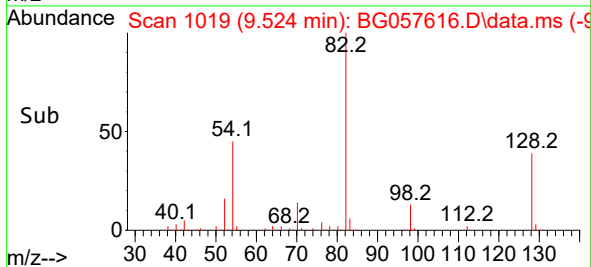
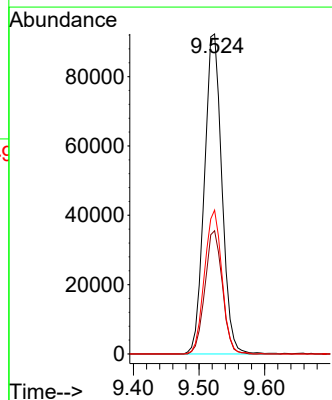
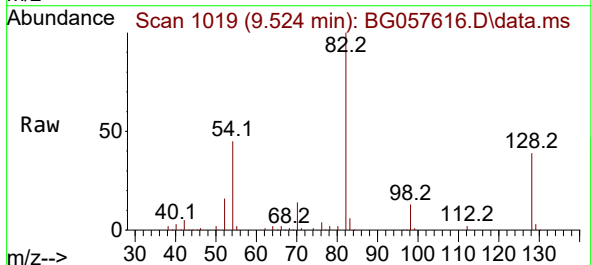
Instrument :
BNA_G
ClientSampleId :
WC22

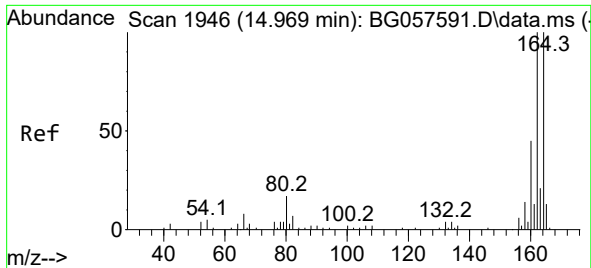
Tgt Ion:	136	Resp:	117871
Ion Ratio	Lower	Upper	
136	100		
137	12.3	9.8	14.8
54	7.8	5.8	8.6
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 67.954 ng
RT: 9.524 min Scan# 1019
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:	82	Resp:	171346
Ion Ratio	Lower	Upper	
82	100		
128	38.5	30.0	45.0
54	45.0	35.2	52.8

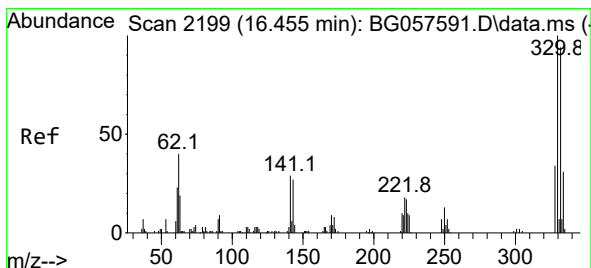
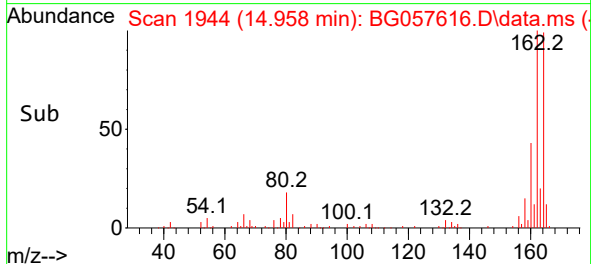
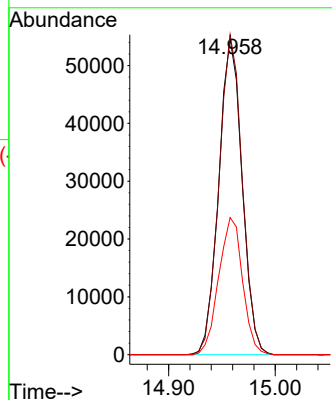
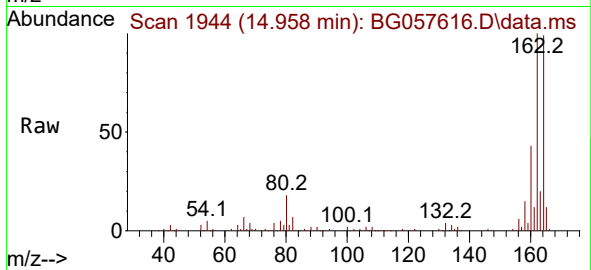




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.958 min Scan# 1944
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

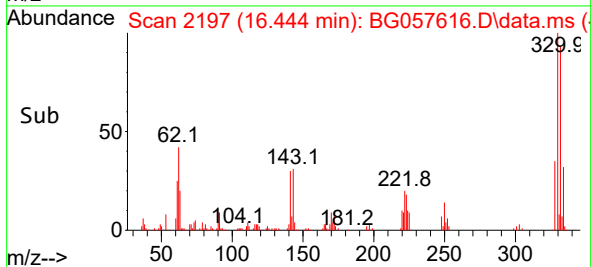
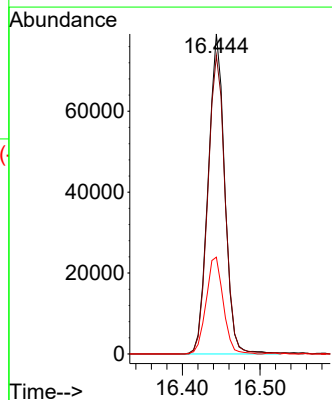
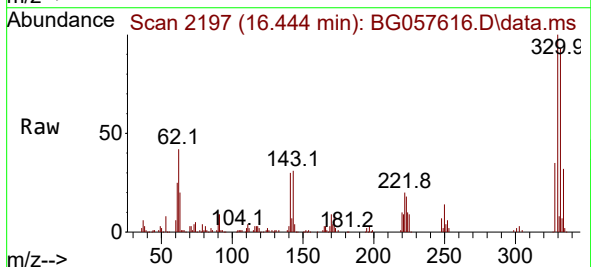
Instrument :
BNA_G
ClientSampleId :
WC22

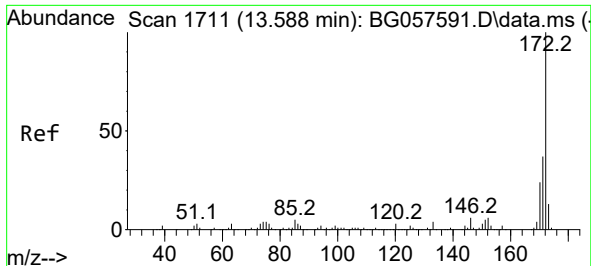
Tgt Ion:164 Resp: 83049
Ion Ratio Lower Upper
164 100
162 101.3 80.1 120.1
160 43.4 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 88.339 ng
RT: 16.444 min Scan# 2197
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:330 Resp: 117459
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 31.3 24.6 37.0

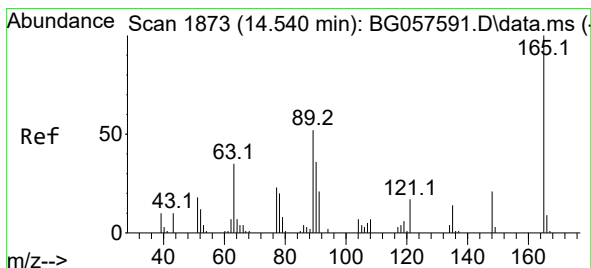
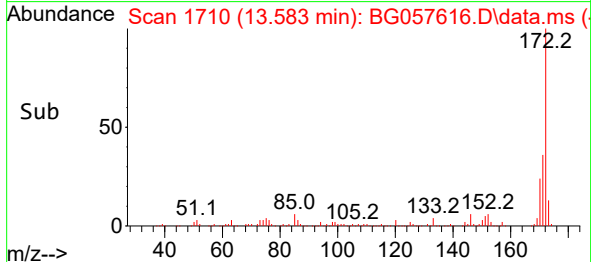
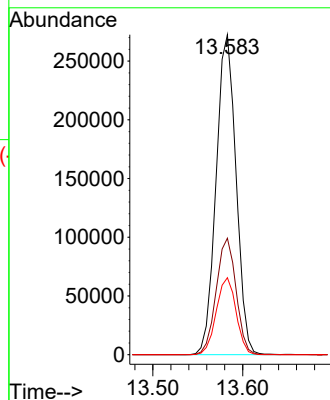
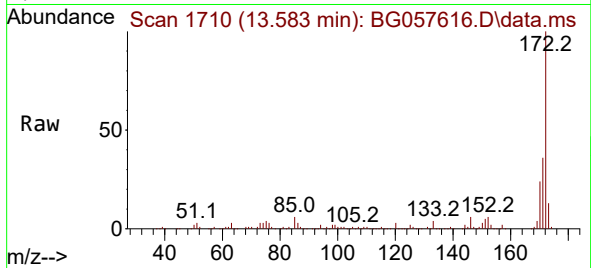




#45
2-Fluorobiphenyl
Concen: 72.677 ng
RT: 13.583 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

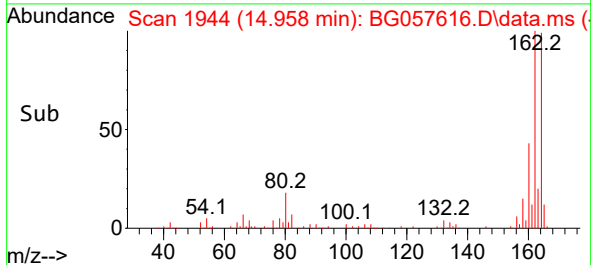
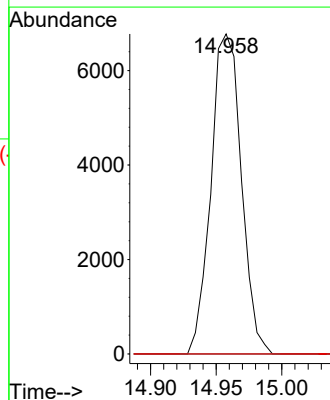
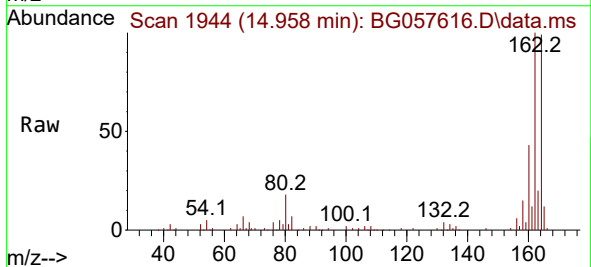
Instrument :
BNA_G
ClientSampleId :
WC22

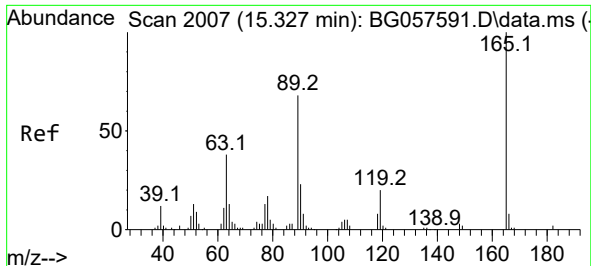
Tgt Ion:172 Resp: 419991
Ion Ratio Lower Upper
172 100
171 36.4 29.2 43.8
170 24.1 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.437 ng
RT: 14.958 min Scan# 1944
Delta R.T. 0.428 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:165 Resp: 10897
Ion Ratio Lower Upper
165 100
63 0.0 39.3 58.9#
89 0.0 41.5 62.3#





#57

2,4-Dinitrotoluene

Concen: 4.967 ng

RT: 14.958 min Scan# 14

Delta R.T. -0.365 min

Lab File: BG057616.D

Acq: 30 May 2023 21:37

Instrument :

BNA_G

ClientSampleId :

WC22

Tgt Ion:165 Resp: 10897

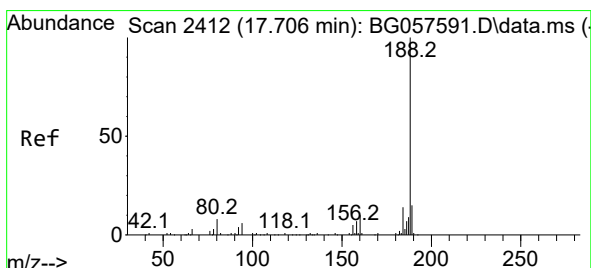
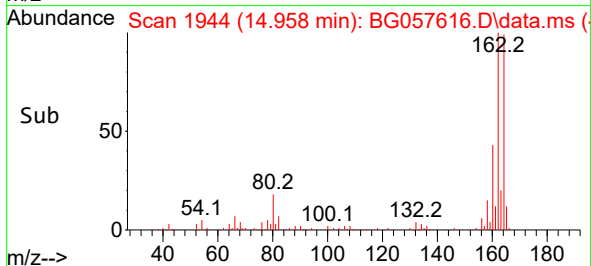
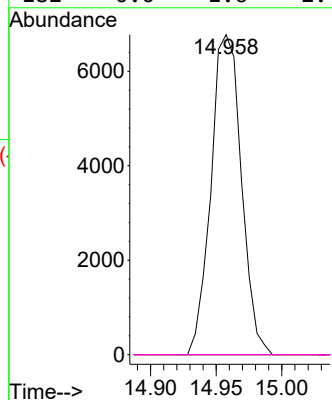
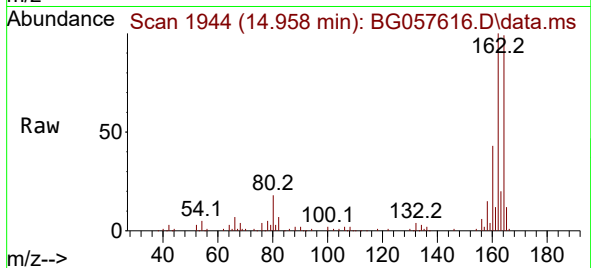
Ion Ratio Lower Upper

165 100

63 0.0 30.6 45.8#

89 0.0 54.2 81.2#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2410

Delta R.T. -0.001 min

Lab File: BG057616.D

Acq: 30 May 2023 21:37

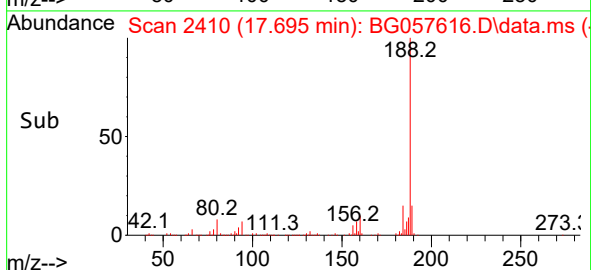
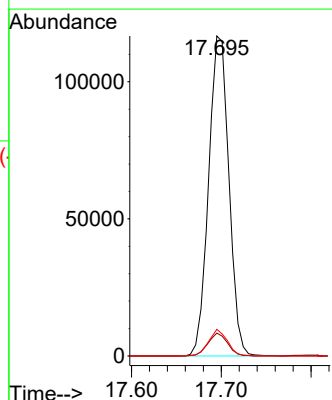
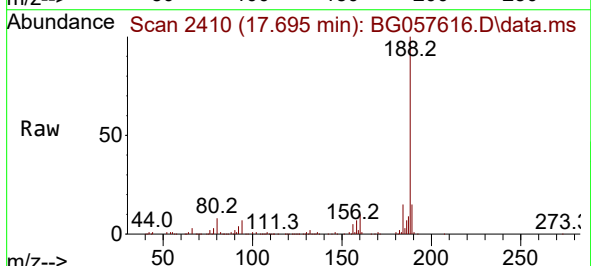
Tgt Ion:188 Resp: 183048

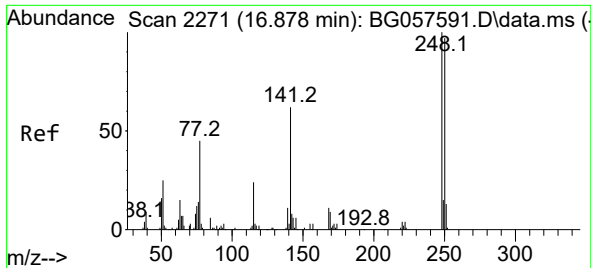
Ion Ratio Lower Upper

188 100

94 7.2 5.2 7.8

80 8.3 6.7 10.1

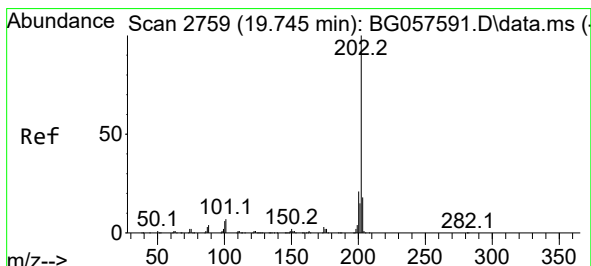
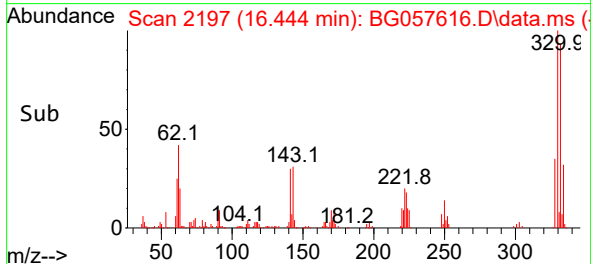
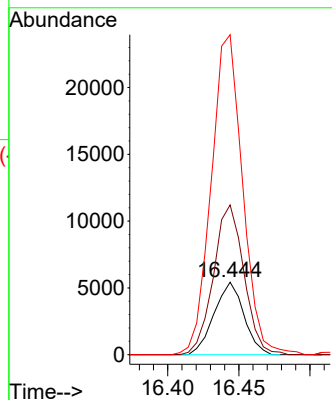
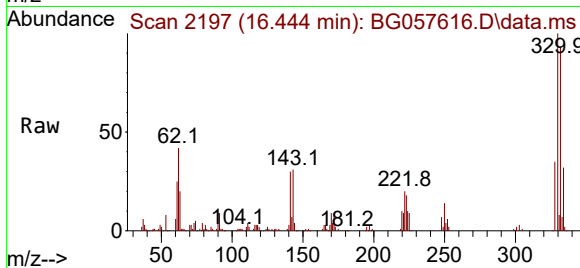




#67
4-Bromophenyl-phenylether
Concen: 3.854 ng
RT: 16.444 min Scan# 2197
Delta R.T. -0.430 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

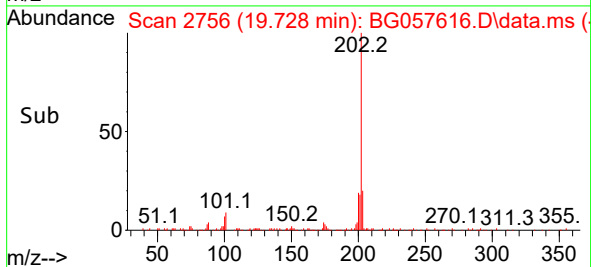
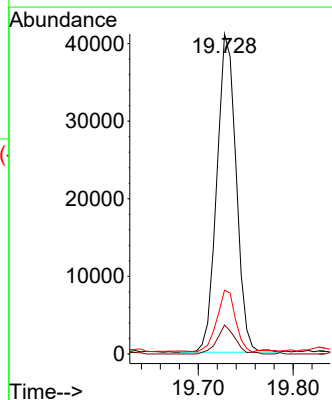
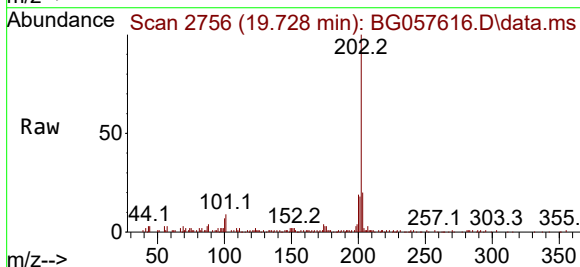
Instrument :
BNA_G
ClientSampleId :
WC22

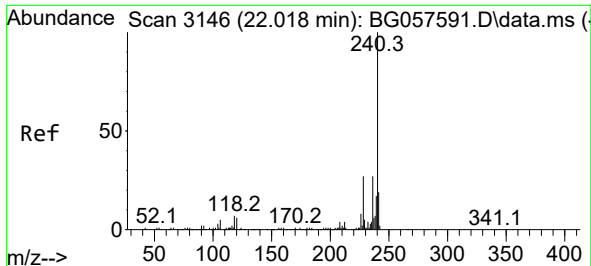
Tgt Ion:248 Resp: 7914
Ion Ratio Lower Upper
248 100
250 206.6 77.4 116.2#
141 441.4 49.4 74.0#



#75
Fluoranthene
Concen: 4.780 ng
RT: 19.728 min Scan# 2756
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:202 Resp: 58133
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.5
203 19.9 0.0 38.4

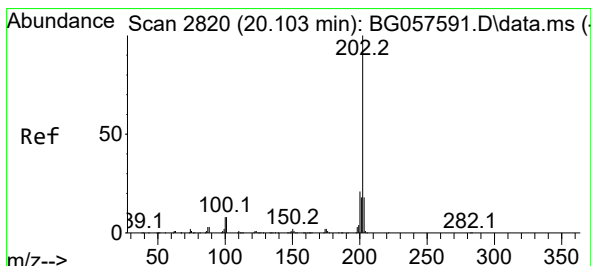
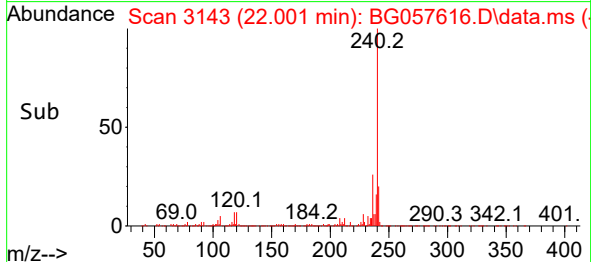
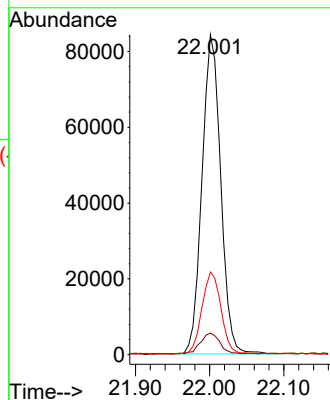
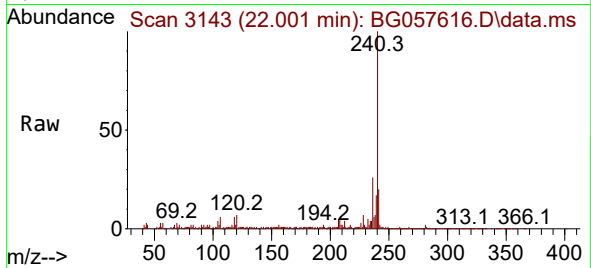




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.001 min Scan# 3143
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

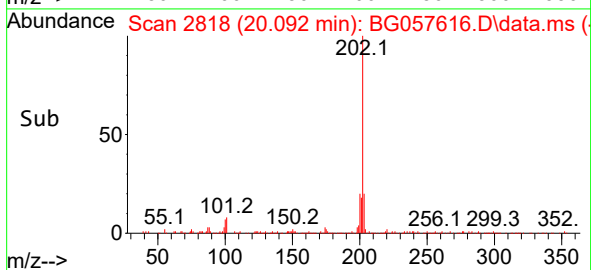
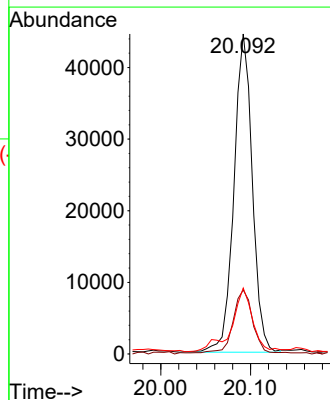
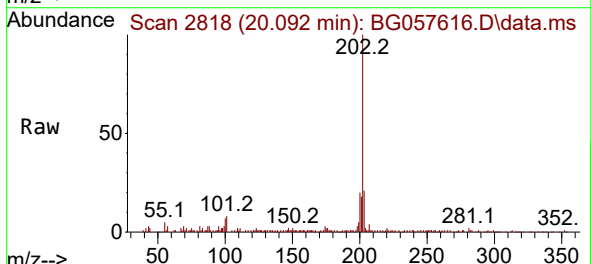
Instrument :
BNA_G
ClientSampleId :
WC22

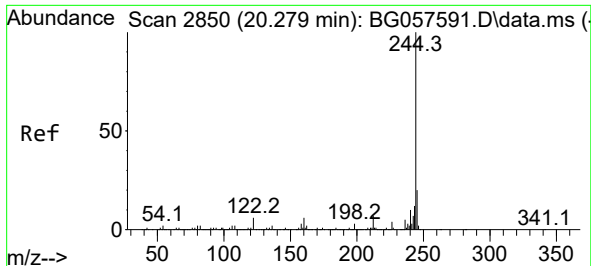
Tgt Ion:240 Resp: 147385
Ion Ratio Lower Upper
240 100
120 6.8 5.2 7.8
236 25.8 21.4 32.0



#78
Pyrene
Concen: 6.020 ng
RT: 20.092 min Scan# 2818
Delta R.T. -0.001 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:202 Resp: 63173
Ion Ratio Lower Upper
202 100
200 20.0 16.8 25.2
203 20.6 14.5 21.7

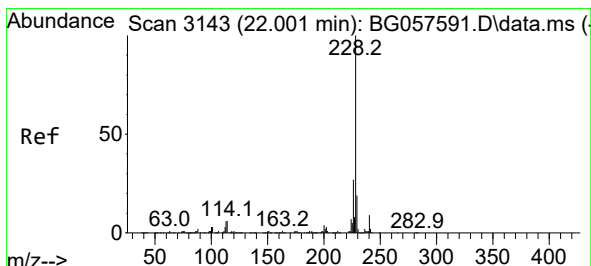
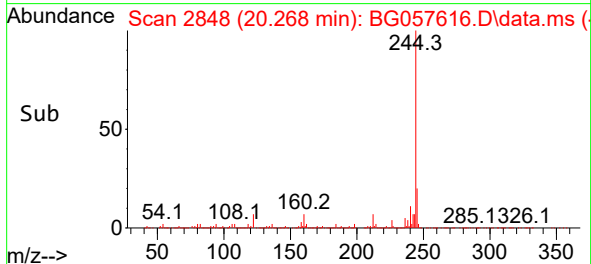
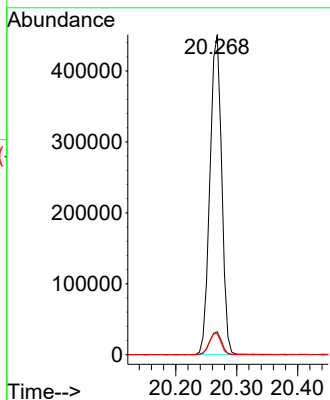
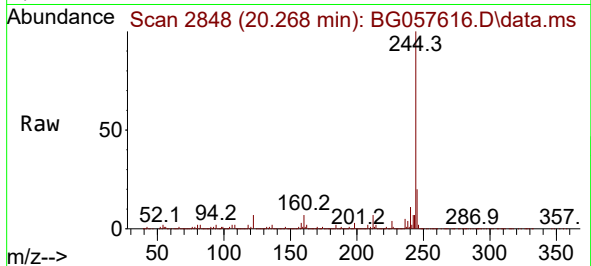




#79
 Terphenyl-d14
 Concen: 71.248 ng
 RT: 20.268 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG057616.D
 Acq: 30 May 2023 21:37

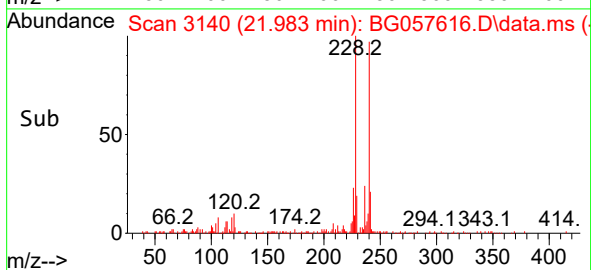
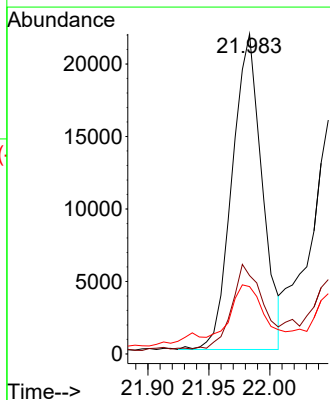
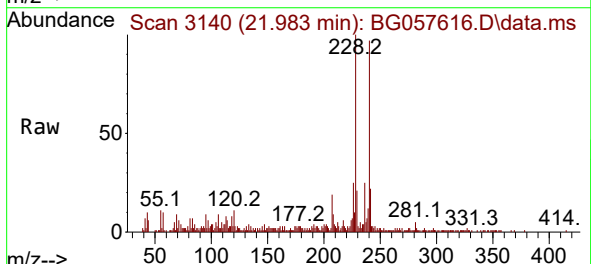
Instrument :
 BNA_G
 ClientSampleId :
 WC22

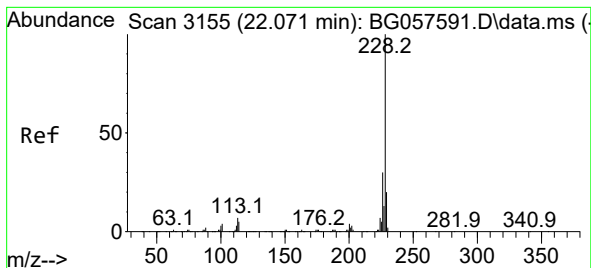
Tgt Ion:244 Resp: 606211
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 6.6 4.8 7.2



#81
 Benzo(a)anthracene
 Concen: 3.639 ng
 RT: 21.983 min Scan# 3140
 Delta R.T. 0.005 min
 Lab File: BG057616.D
 Acq: 30 May 2023 21:37

Tgt Ion:228 Resp: 37204
 Ion Ratio Lower Upper
 228 100
 226 24.5 21.4 32.0
 229 21.1 15.4 23.2





#83

Chrysene

Concen: 3.516 ng

RT: 22.054 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG057616.D

Acq: 30 May 2023 21:37

Instrument :

BNA_G

ClientSampleId :

WC22

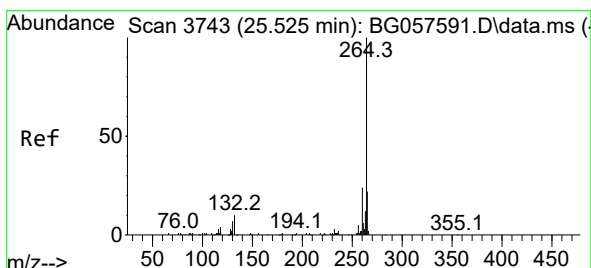
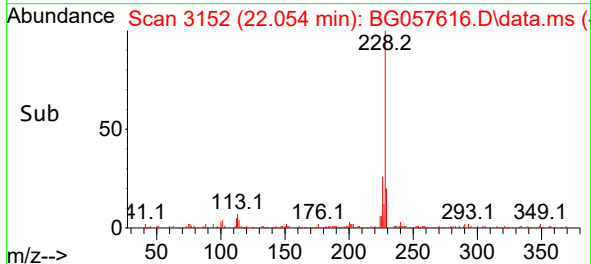
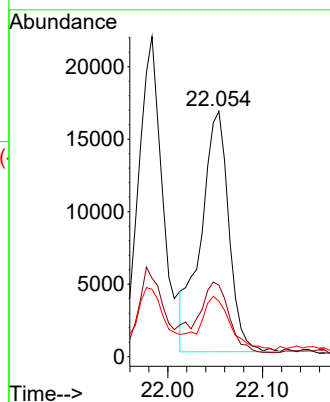
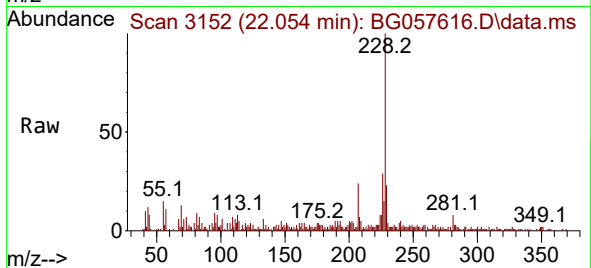
Tgt Ion:228 Resp: 33978

Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

229 22.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.502 min Scan# 3739

Delta R.T. 0.011 min

Lab File: BG057616.D

Acq: 30 May 2023 21:37

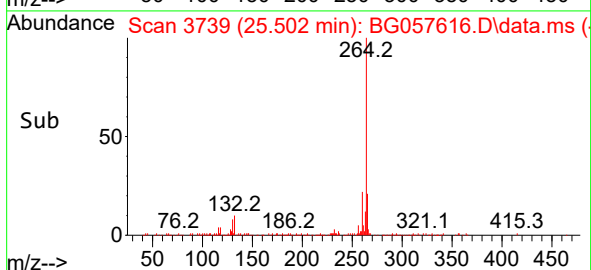
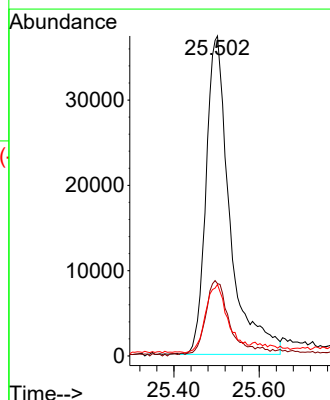
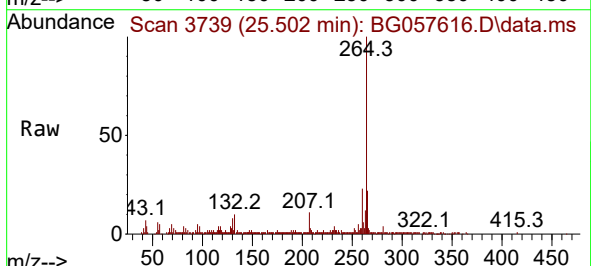
Tgt Ion:264 Resp: 144584

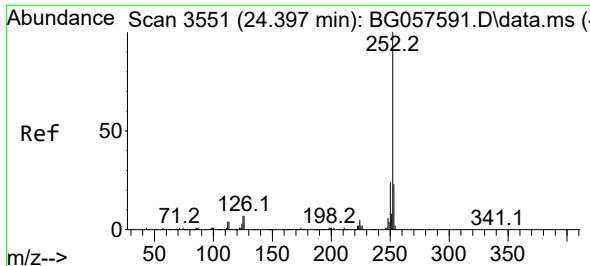
Ion Ratio Lower Upper

264 100

260 22.6 19.1 28.7

265 22.4 17.7 26.5

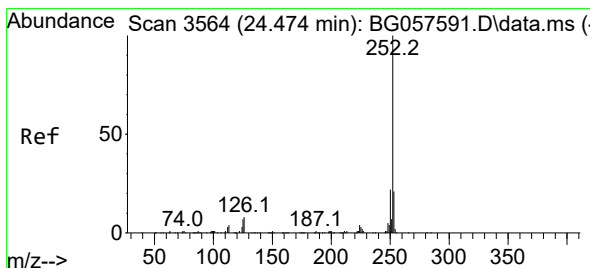
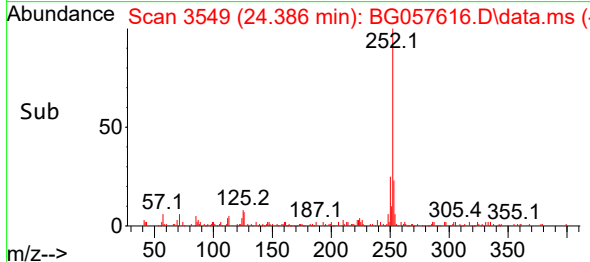
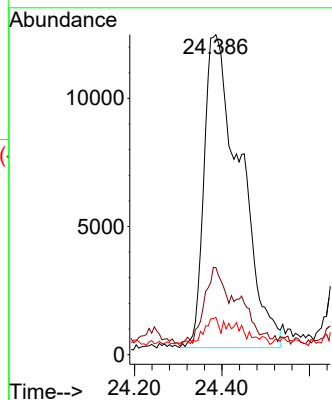
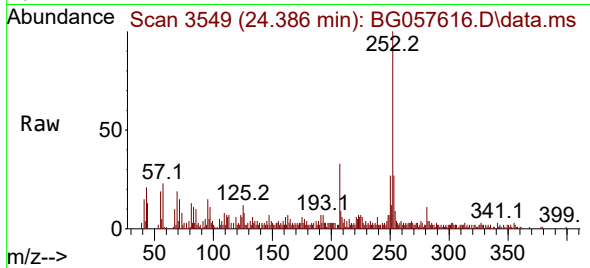




#88
Benzo(b)fluoranthene
Concen: 7.867 ng
RT: 24.386 min Scan# 3549
Delta R.T. 0.011 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

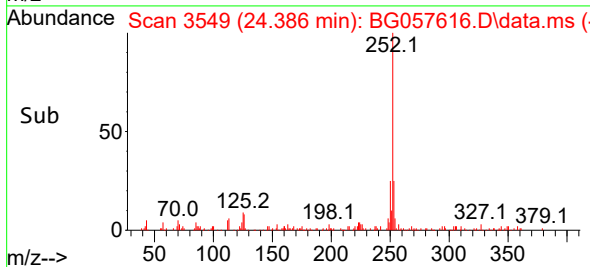
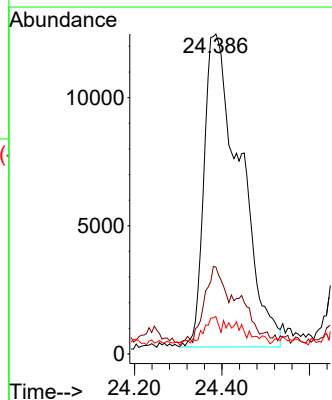
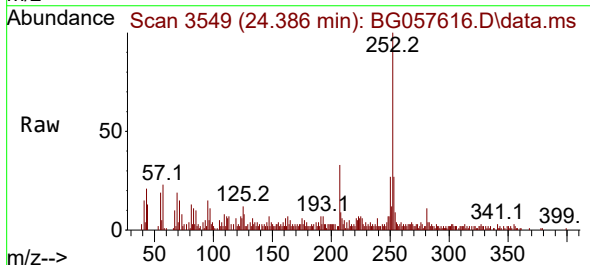
Instrument :
BNA_G
ClientSampleId :
WC22

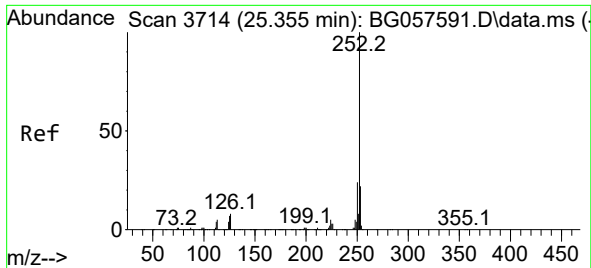
Tgt Ion:252 Resp: 70010
Ion Ratio Lower Upper
252 100
253 27.2 18.4 27.6
125 11.7 5.2 7.8#



#89
Benzo(k)fluoranthene
Concen: 7.795 ng
RT: 24.386 min Scan# 3549
Delta R.T. -0.060 min
Lab File: BG057616.D
Acq: 30 May 2023 21:37

Tgt Ion:252 Resp: 70010
Ion Ratio Lower Upper
252 100
253 27.2 17.0 25.6#
125 11.7 5.1 7.7#





#90
 Benzo(a)pyrene
 Concen: 4.065 ng
 RT: 25.326 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG057616.D
 Acq: 30 May 2023 21:37

Instrument :
 BNA_G
 ClientSampleId :
 WC22

Tgt Ion:252 Resp: 35283
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.7 26.5
 125 9.9 5.3 7.9#

