

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057502.D
 Acq On : 22 May 2023 20:44
 Operator : CG/JU
 Sample : 02840-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: May 23 04:07:44 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)

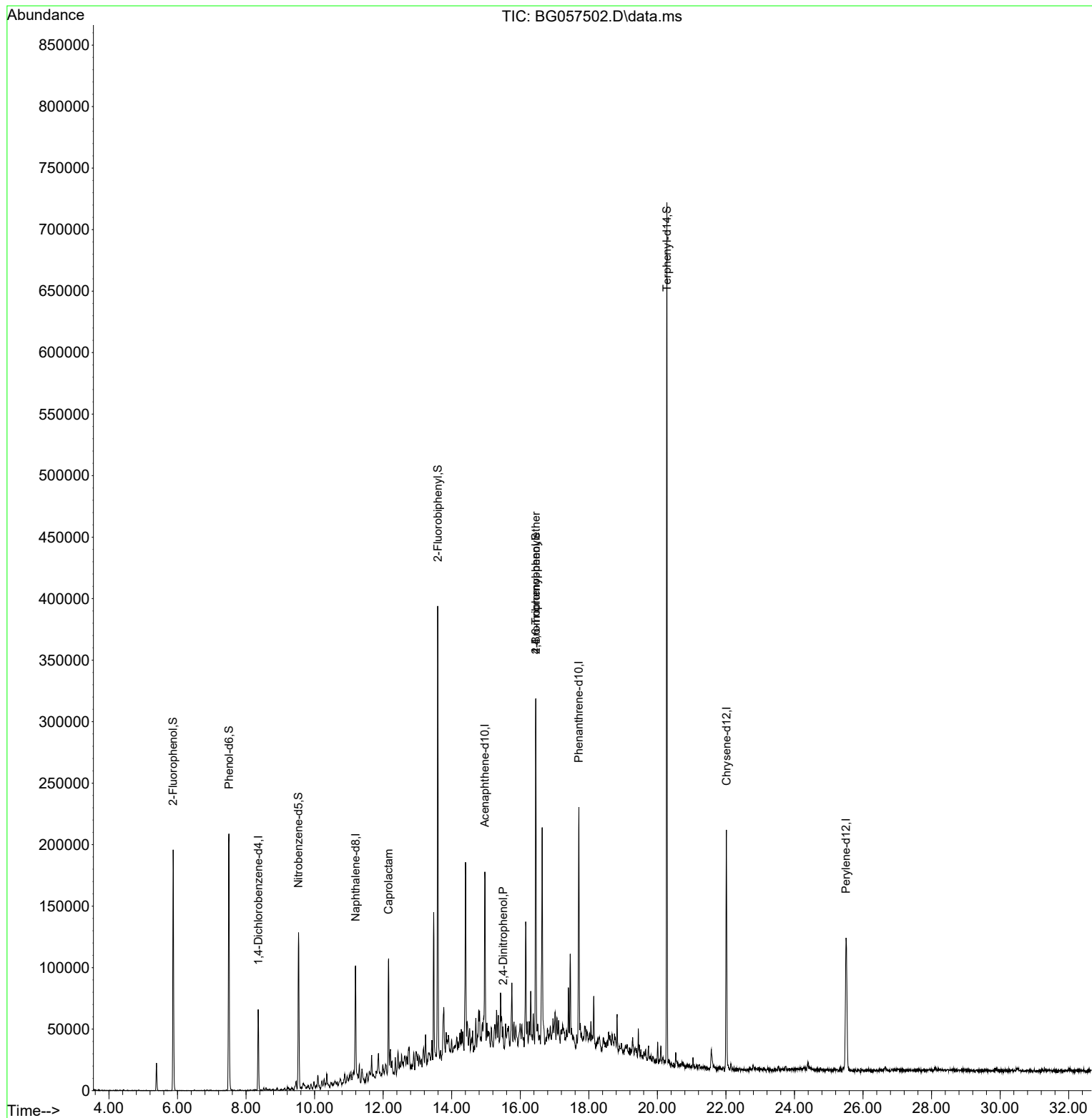
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	19876	20.000	ng	0.00
21) Naphthalene-d8	11.195	136	75899	20.000	ng	0.00
39) Acenaphthene-d10	14.966	164	52036	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	120883	20.000	ng	0.00
76) Chrysene-d12	22.016	240	126891	20.000	ng	0.00
86) Perylene-d12	25.505	264	140687	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	88901	76.512	ng	0.00
7) Phenol-d6	7.500	99	129216	73.234	ng	0.00
23) Nitrobenzene-d5	9.533	82	82133	45.418	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	57704	78.154	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	187359	48.492	ng	0.00
79) Terphenyl-d14	20.277	244	352407	45.322	ng	0.00
Target Compounds						
9) Benzaldehyde	7.494	77	181	Below Cal	Qvalue	# 4
35) Caprolactam	12.158	113	3329	7.511 ng	#	54
54) 2,4-Dinitrophenol	15.501	184	77	5.050 ng	#	18
67) 4-Bromophenyl-phenylether	16.453	248	3985	2.700 ng	#	1

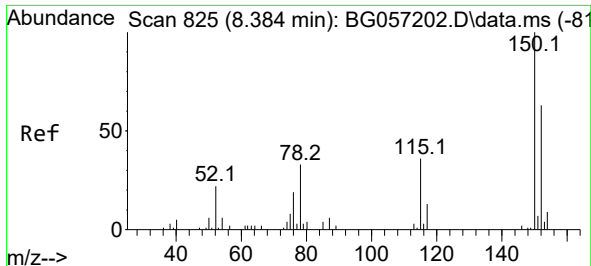
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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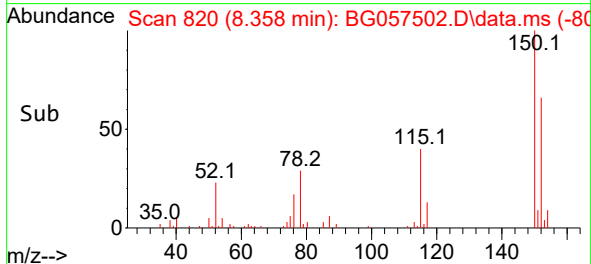
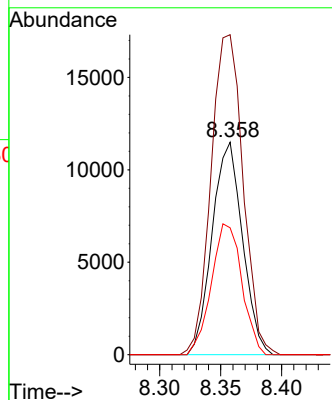
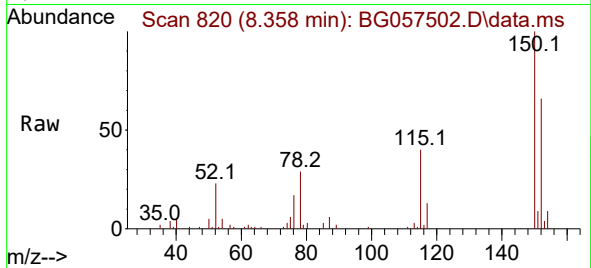




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

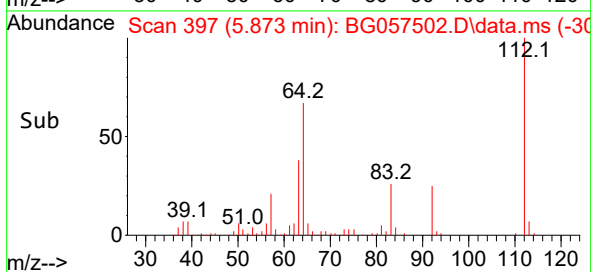
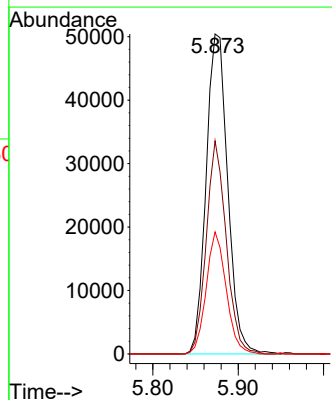
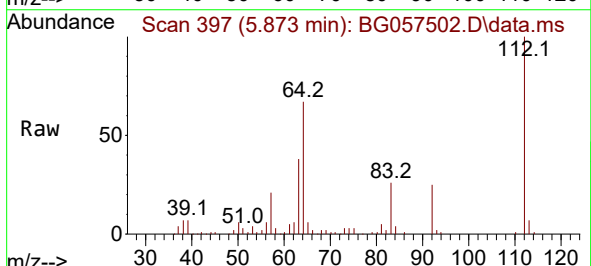
Instrument :
BNA_G
ClientSampleId :
TP-1

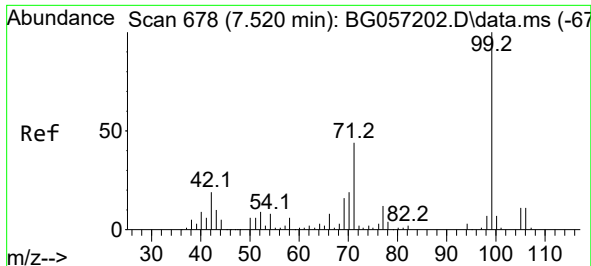
Tgt Ion:152 Resp: 19876
Ion Ratio Lower Upper
152 100
150 150.6 126.2 189.4
115 59.7 45.0 67.4



#5
2-Fluorophenol
Concen: 76.512 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.002 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

Tgt Ion:112 Resp: 88901
Ion Ratio Lower Upper
112 100
64 66.6 49.4 74.2
63 38.2 31.6 47.4





#7

Phenol-d6

Concen: 73.234 ng

RT: 7.500 min Scan# 6

Delta R.T. 0.002 min

Lab File: BG057502.D

Acq: 22 May 2023 20:44

Instrument :

BNA_G

ClientSampleId :

TP-1

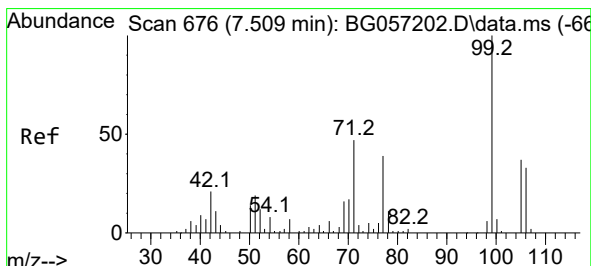
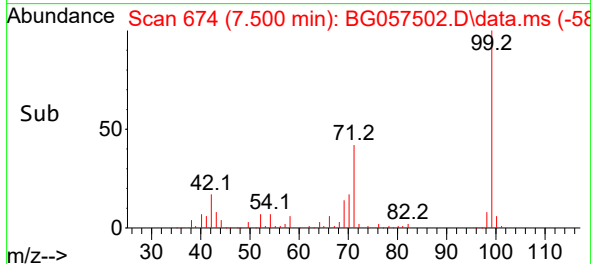
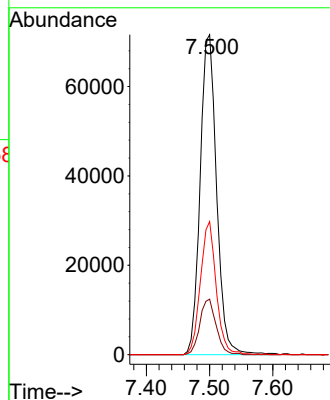
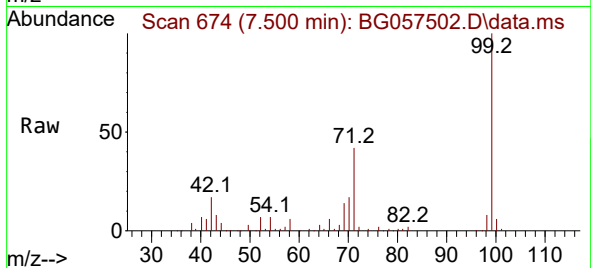
Tgt Ion: 99 Resp: 129216

Ion Ratio Lower Upper

99 100

42 17.3 15.1 22.7

71 41.6 35.2 52.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.494 min Scan# 673

Delta R.T. 0.008 min

Lab File: BG057502.D

Acq: 22 May 2023 20:44

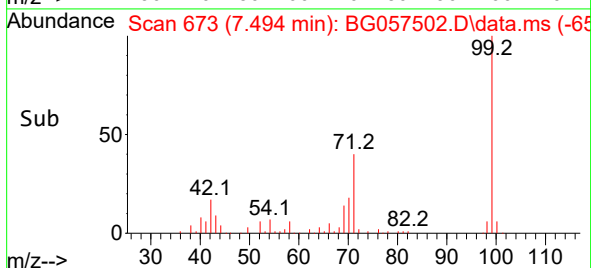
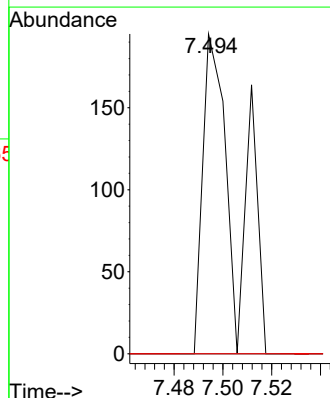
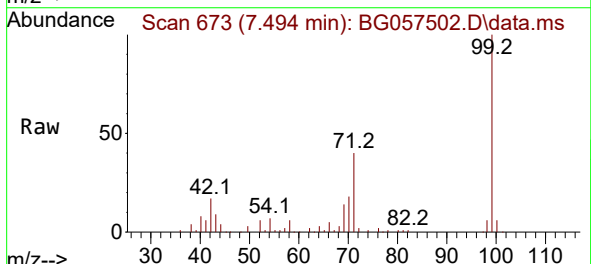
Tgt Ion: 77 Resp: 181

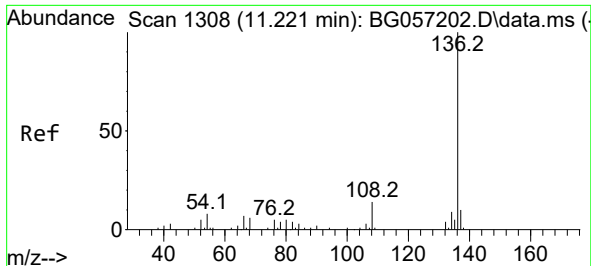
Ion Ratio Lower Upper

77 100

105 0.0 74.6 114.6#

106 0.0 66.3 106.3#

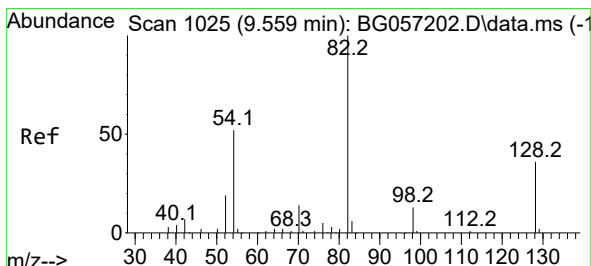
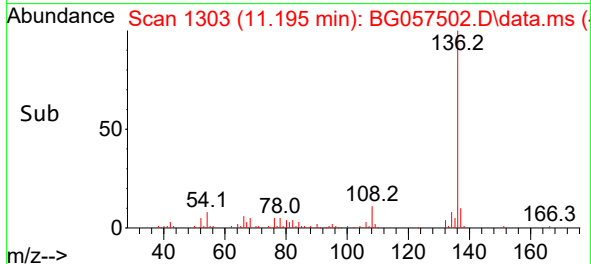
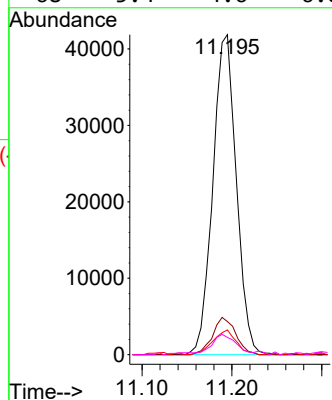
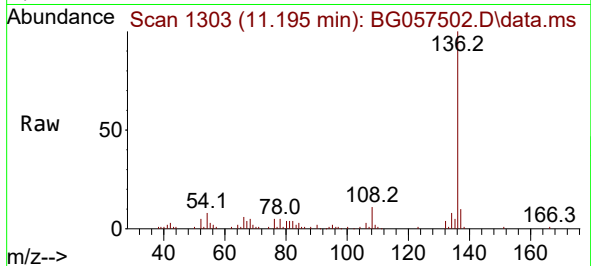




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.195 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

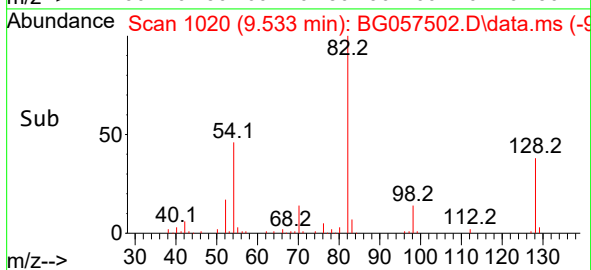
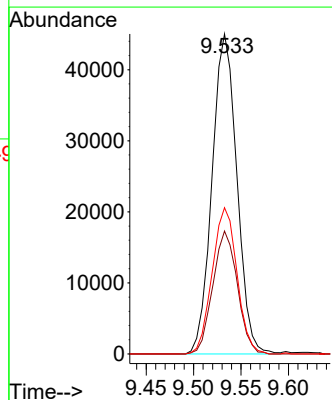
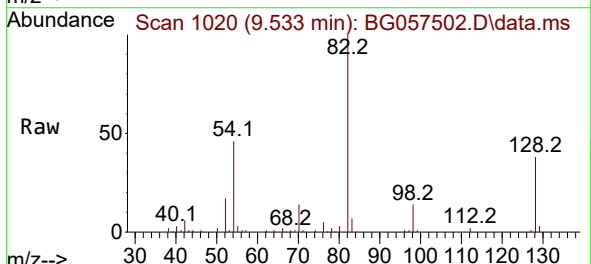
Instrument :
BNA_G
ClientSampleId :
TP-1

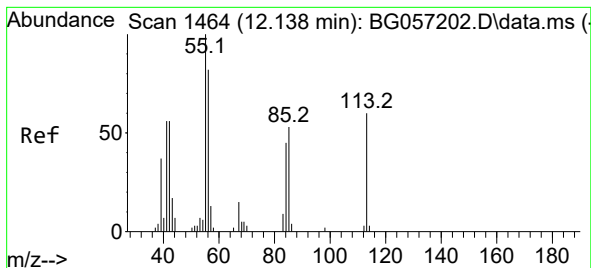
Tgt Ion:	136	Resp:	75899
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.3	12.5
54	7.7	6.7	10.1
68	5.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 45.418 ng
RT: 9.533 min Scan# 1020
Delta R.T. -0.004 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

Tgt Ion:	82	Resp:	82133
Ion	Ratio	Lower	Upper
82	100		
128	38.4	29.0	43.4
54	45.7	41.4	62.0





#35

Caprolactam

Concen: 7.511 ng

RT: 12.158 min Scan# 1467

Delta R.T. 0.037 min

Lab File: BG057502.D

Acq: 22 May 2023 20:44

Instrument :

BNA_G

ClientSampleId :

TP-1

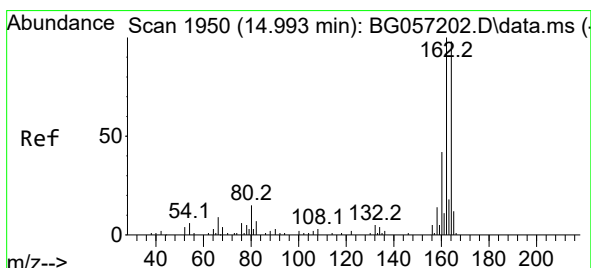
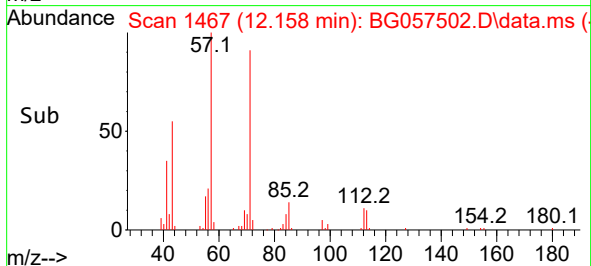
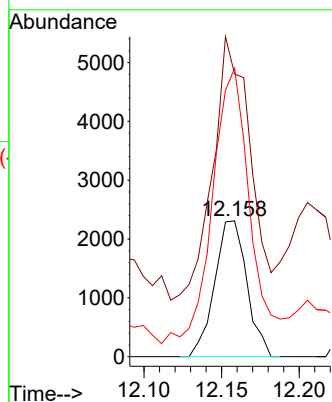
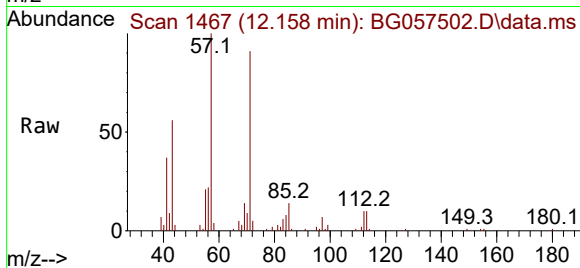
Tgt Ion:113 Resp: 3329

Ion Ratio Lower Upper

113 100

55 207.9 145.5 185.5#

56 212.3 115.9 155.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.966 min Scan# 1945

Delta R.T. -0.010 min

Lab File: BG057502.D

Acq: 22 May 2023 20:44

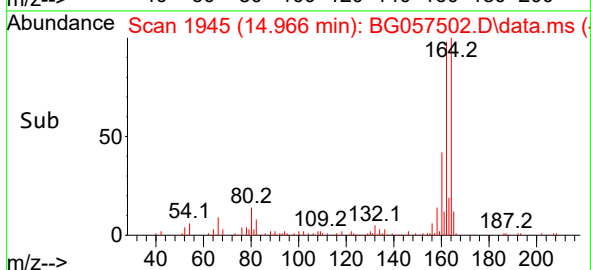
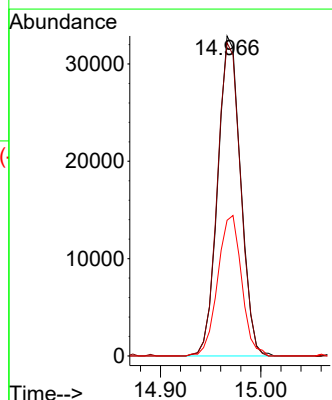
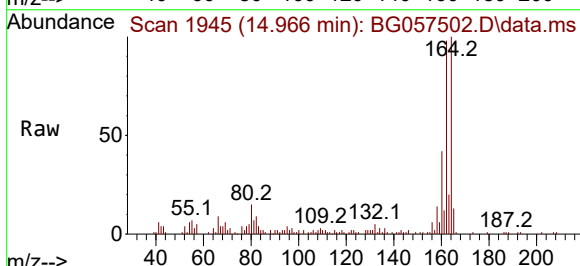
Tgt Ion:164 Resp: 52036

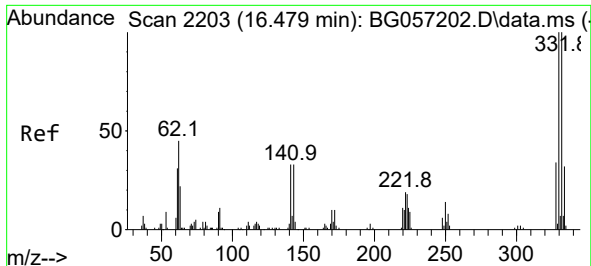
Ion Ratio Lower Upper

164 100

162 97.9 81.8 122.6

160 42.4 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 78.154 ng

RT: 16.453 min Scan# 2198

Delta R.T. -0.004 min

Lab File: BG057502.D

Acq: 22 May 2023 20:44

Instrument :

BNA_G

ClientSampleId :

TP-1

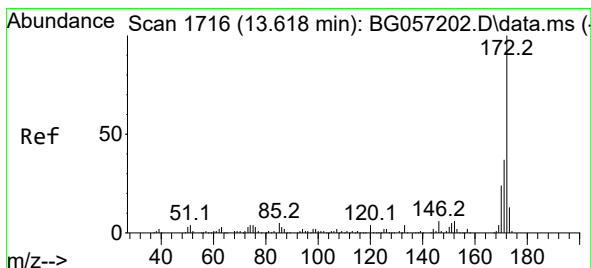
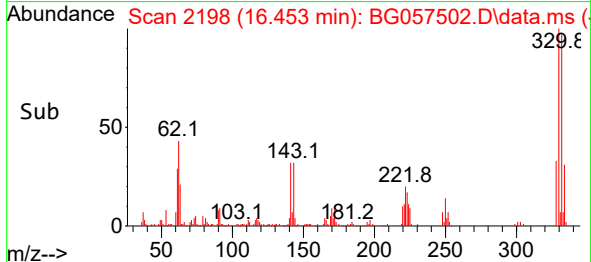
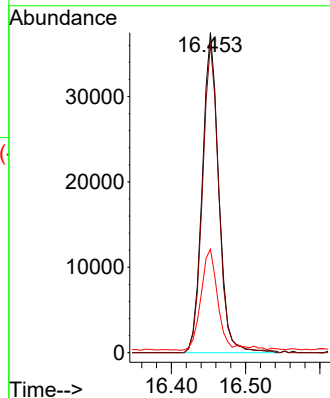
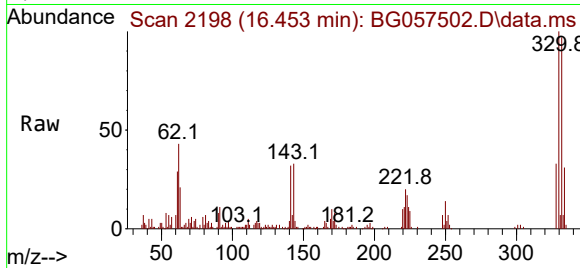
Tgt Ion:330 Resp: 57704

Ion Ratio Lower Upper

330 100

332 95.9 78.2 117.2

141 32.5 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 48.492 ng

RT: 13.592 min Scan# 1711

Delta R.T. -0.010 min

Lab File: BG057502.D

Acq: 22 May 2023 20:44

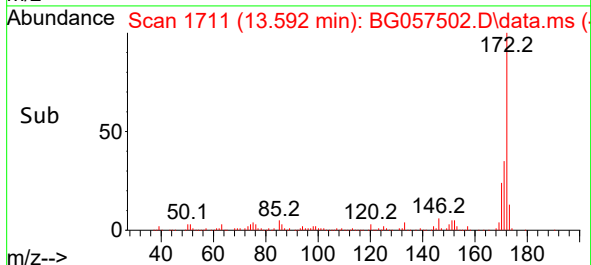
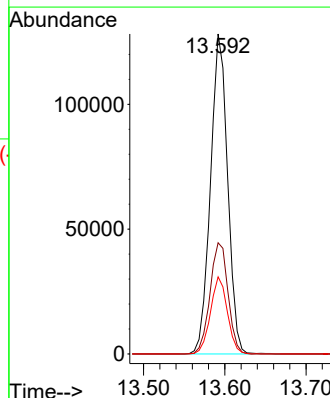
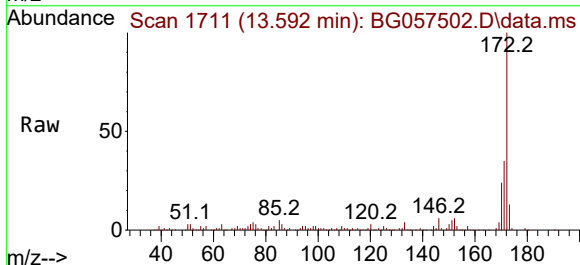
Tgt Ion:172 Resp: 187359

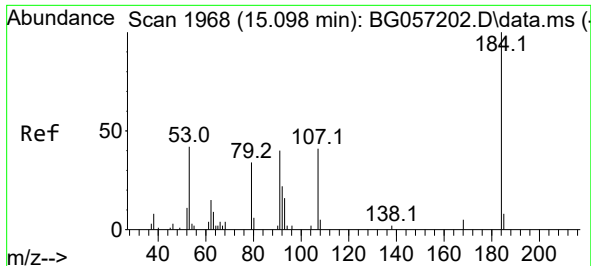
Ion Ratio Lower Upper

172 100

171 34.7 29.4 44.0

170 24.1 19.0 28.6

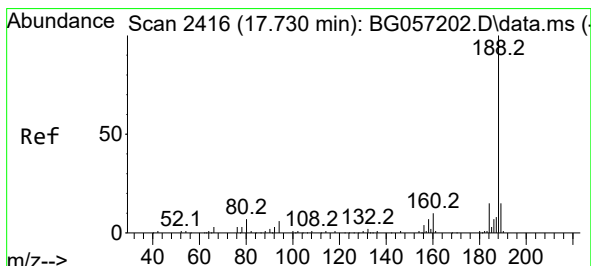
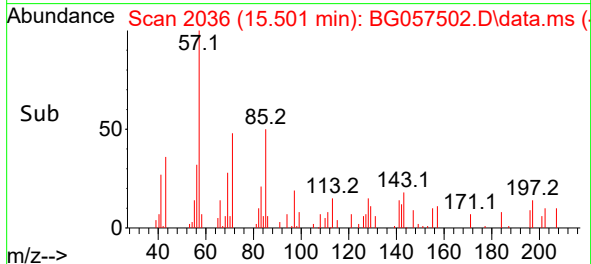
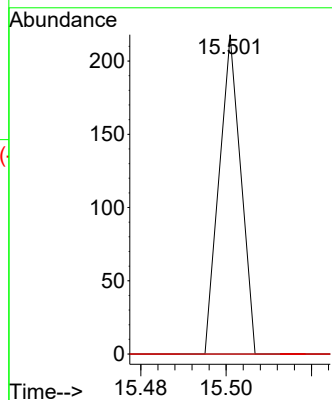
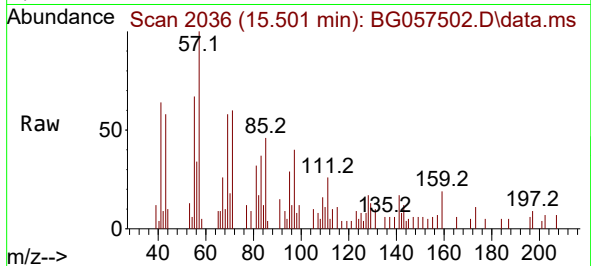




#54
2,4-Dinitrophenol
Concen: 5.050 ng
RT: 15.501 min Scan# 2036
Delta R.T. 0.413 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

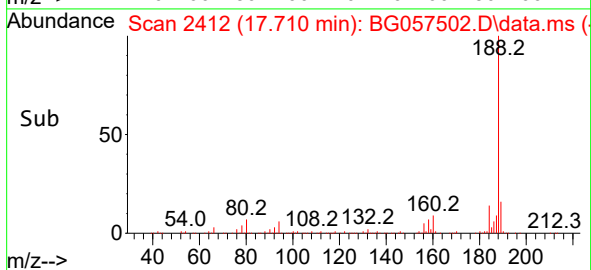
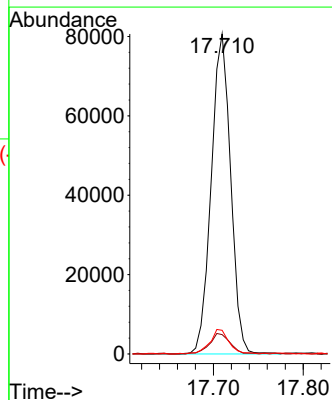
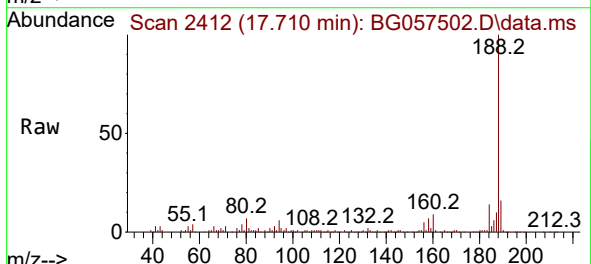
Instrument :
BNA_G
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TP-1

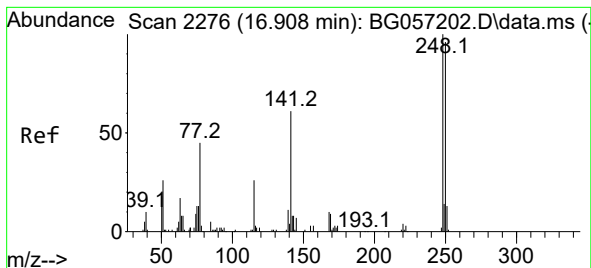
Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 0.0 48.2 72.4#
154 0.0 55.4 83.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.710 min Scan# 2412
Delta R.T. -0.004 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

Tgt Ion:188 Resp: 120883
Ion Ratio Lower Upper
188 100
94 6.1 5.1 7.7
80 7.4 5.7 8.5

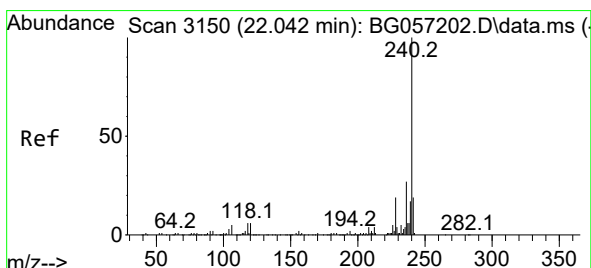
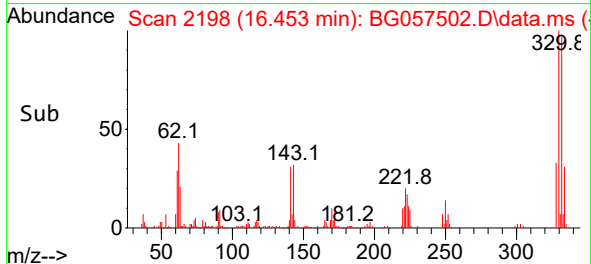
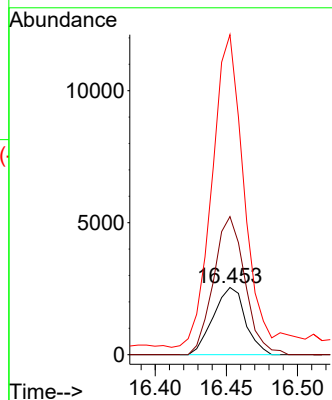
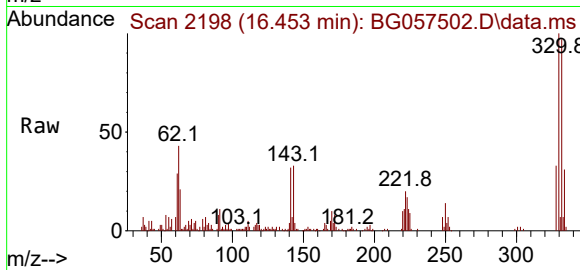




#67
4-Bromophenyl-phenylether
Concen: 2.700 ng
RT: 16.453 min Scan# 2118
Delta R.T. -0.433 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

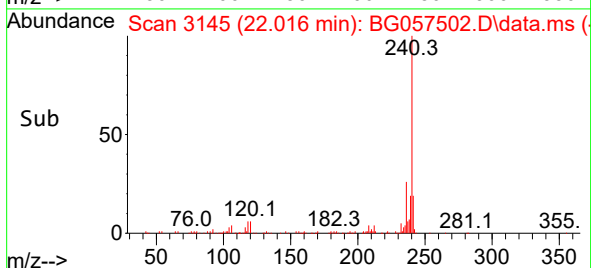
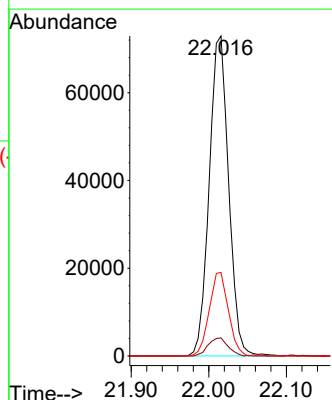
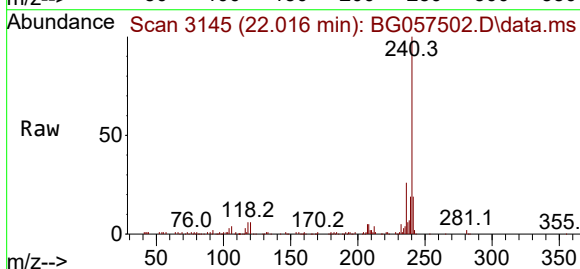
Instrument :
BNA_G
ClientSampleId :
TP-1

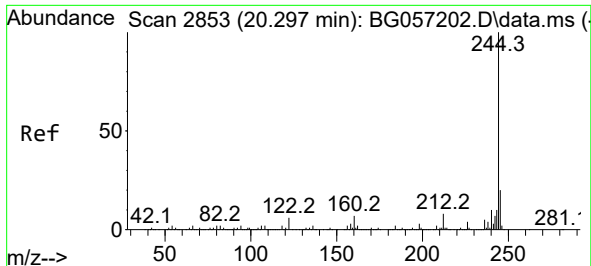
Tgt Ion:248 Resp: 3985
Ion Ratio Lower Upper
248 100
250 205.6 77.0 115.6#
141 476.5 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.016 min Scan# 3145
Delta R.T. -0.004 min
Lab File: BG057502.D
Acq: 22 May 2023 20:44

Tgt Ion:240 Resp: 126891
Ion Ratio Lower Upper
240 100
120 5.7 4.9 7.3
236 26.1 21.4 32.2

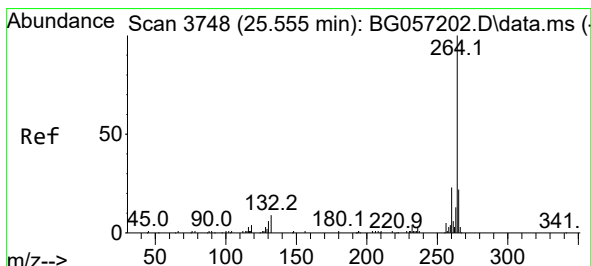
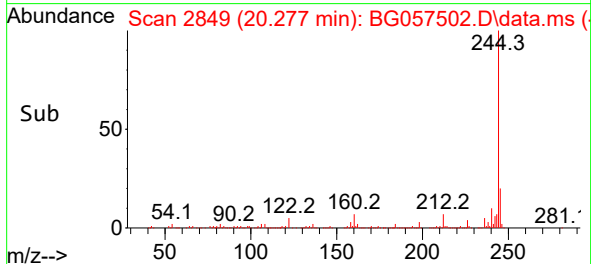
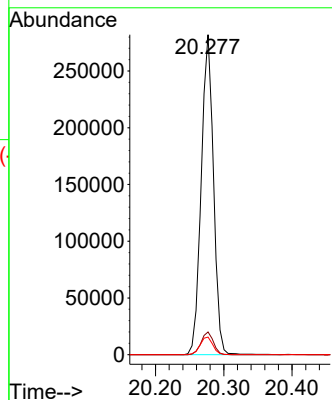
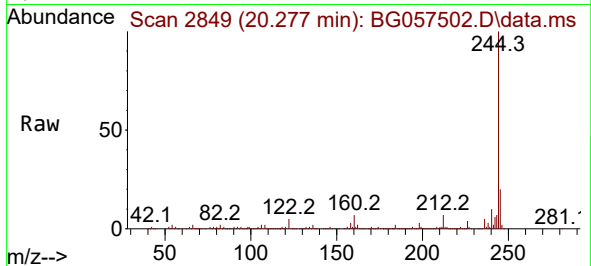




#79
 Terphenyl-d14
 Concen: 45.322 ng
 RT: 20.277 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057502.D
 Acq: 22 May 2023 20:44

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tgt Ion:244 Resp: 352407
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 5.5 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.505 min Scan# 3739
 Delta R.T. -0.010 min
 Lab File: BG057502.D
 Acq: 22 May 2023 20:44

Tgt Ion:264 Resp: 140687
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 21.6 17.9 26.9

