

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051922\
 Data File : BG053638.D
 Acq On : 19 May 2022 22:50
 Operator : CG/JU
 Sample : N2871-06 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P017-SS002-0006-01

Quant Time: May 20 03:58:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 03:55:28 2022
 Response via : Initial Calibration

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

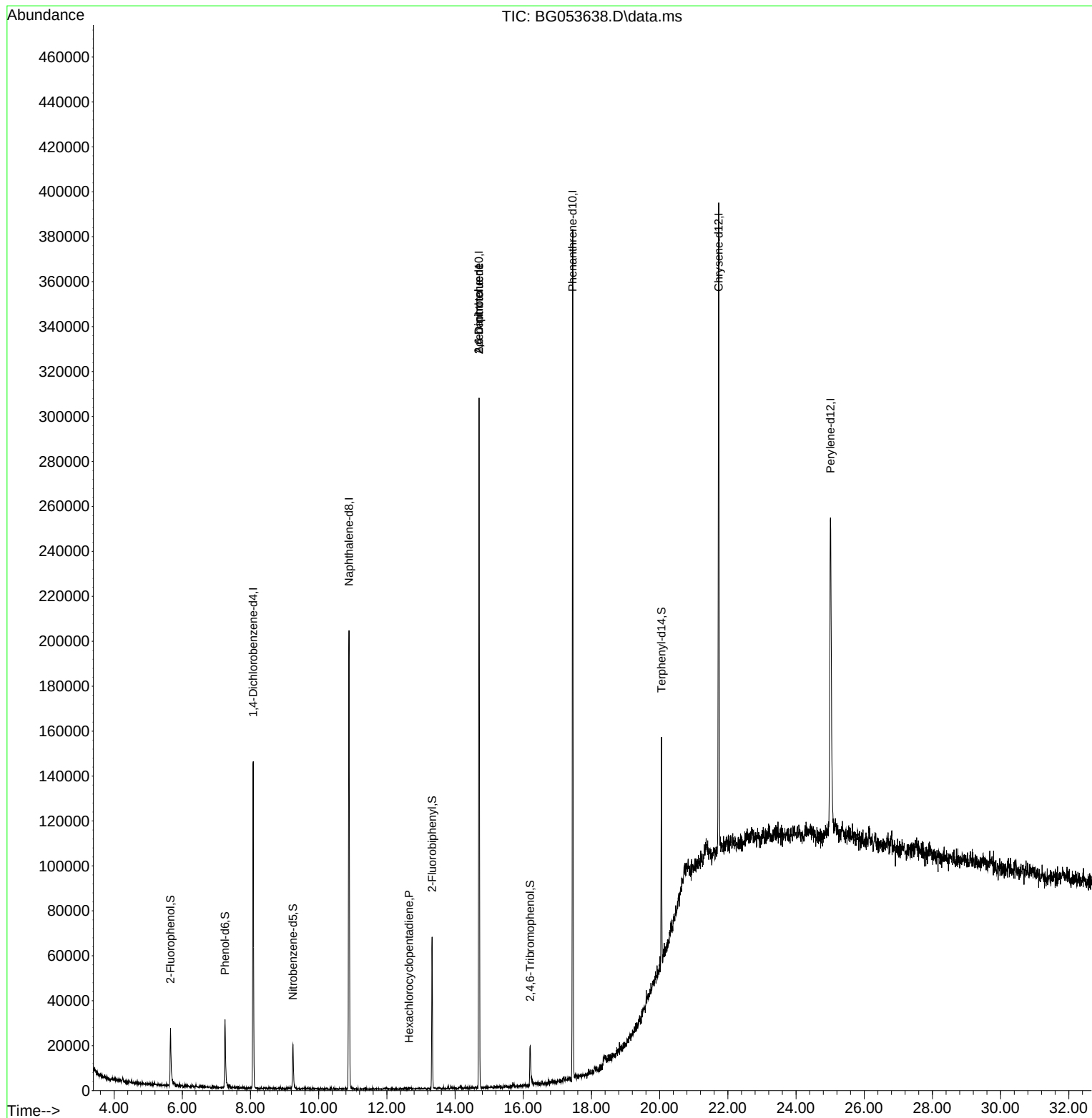
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	40670	20.000	ng	0.00
21) Naphthalene-d8	10.889	136	167135	20.000	ng	0.00
39) Acenaphthene-d10	14.701	164	111839	20.000	ng	0.00
64) Phenanthrene-d10	17.451	188	230244	20.000	ng	0.00
76) Chrysene-d12	21.733	240	195086	20.000	ng	0.00
86) Perylene-d12	25.011	264	184128	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.655	112	14922	6.227	ng	0.01
7) Phenol-d6	7.253	99	21506	5.913	ng	0.01
23) Nitrobenzene-d5	9.244	82	15542	3.958	ng	0.00
42) 2,4,6-Tribromophenol	16.205	330	6204	3.761	ng	0.01
45) 2-Fluorobiphenyl	13.327	172	37106	4.848	ng	0.00
79) Terphenyl-d14	20.053	244	51120	4.880	ng	0.00
Target Compounds						
41) Hexachlorocyclopentadiene	12.651	237	64	8.876	ng	# 26
51) 2,6-Dinitrotoluene	14.701	165	15011	8.670	ng	# 18
57) 2,4-Dinitrotoluene	14.701	165	15011	5.981	ng	# 23

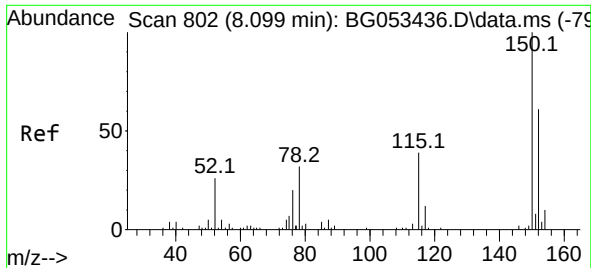
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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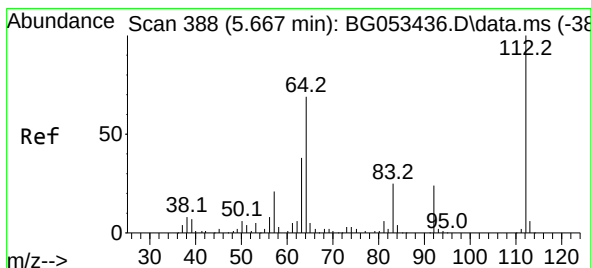
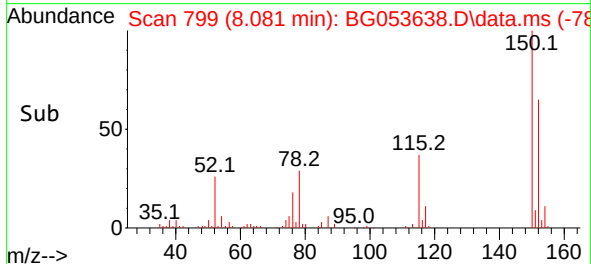
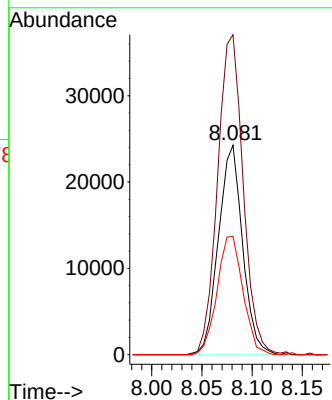
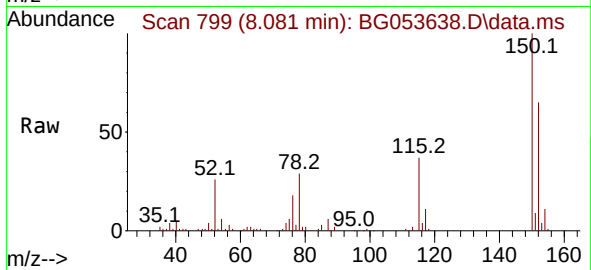




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.081 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

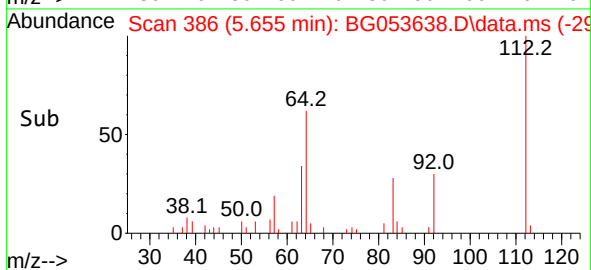
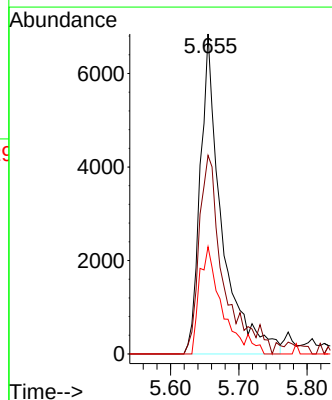
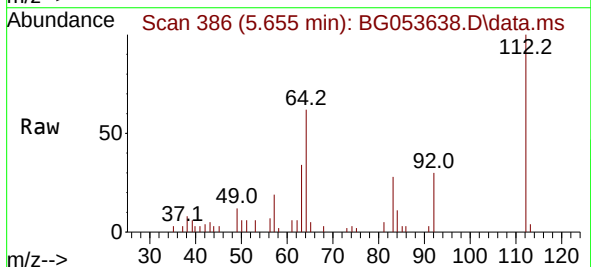
Instrument :
BNA_G
ClientSampleId :
P017-SS002-0006-01

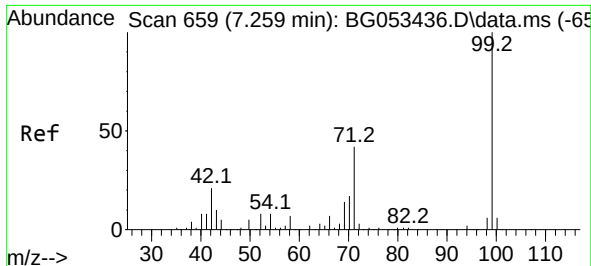
Tgt Ion:152 Resp: 40670
Ion Ratio Lower Upper
152 100
150 152.8 131.6 197.4
115 56.6 50.9 76.3



#5
2-Fluorophenol
Concen: 6.227 ng
RT: 5.655 min Scan# 386
Delta R.T. 0.012 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

Tgt Ion:112 Resp: 14922
Ion Ratio Lower Upper
112 100
64 62.0 55.1 82.7
63 33.5 30.4 45.6

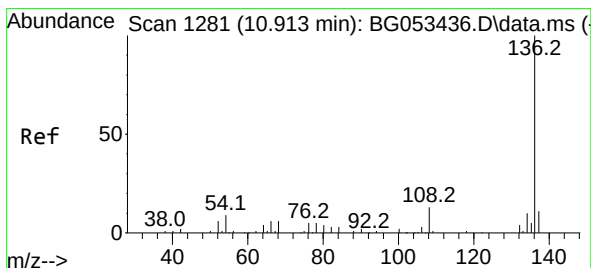
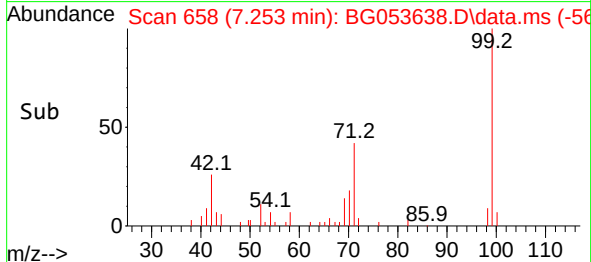
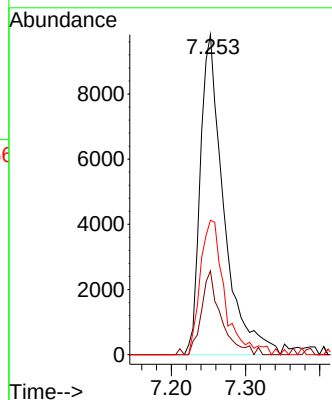
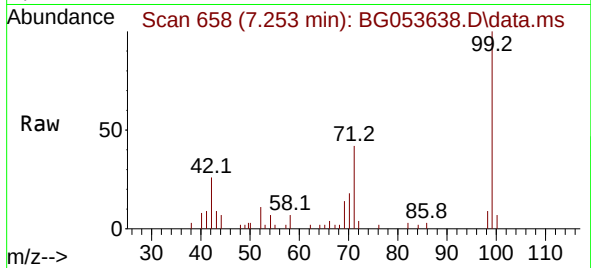




#7
Phenol-d6
Concen: 5.913 ng
RT: 7.253 min Scan# 61
Delta R.T. 0.012 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

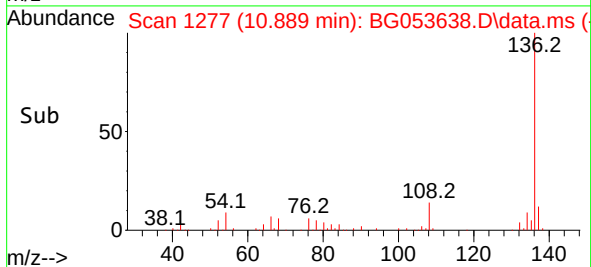
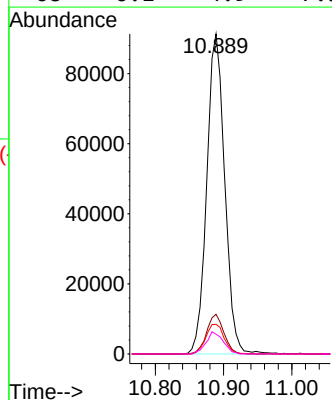
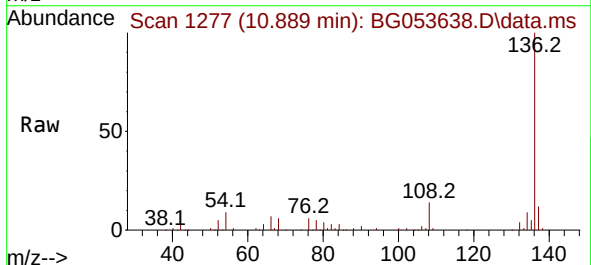
Instrument :
BNA_G
ClientSampleId :
P017-SS002-0006-01

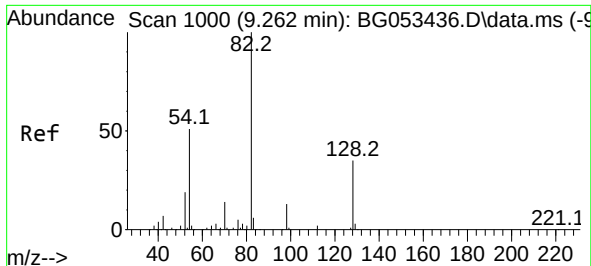
Tgt Ion: 99 Resp: 21506
Ion Ratio Lower Upper
99 100
42 26.2 17.0 25.6#
71 42.0 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.889 min Scan# 1277
Delta R.T. 0.006 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

Tgt Ion: 136 Resp: 167135
Ion Ratio Lower Upper
136 100
137 12.4 8.5 12.7
54 9.2 7.4 11.2
68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 3.958 ng

RT: 9.244 min Scan# 91

Delta R.T. 0.006 min

Lab File: BG053638.D

Acq: 19 May 2022 22:50

Instrument :

BNA_G

ClientSampleId :

P017-SS002-0006-01

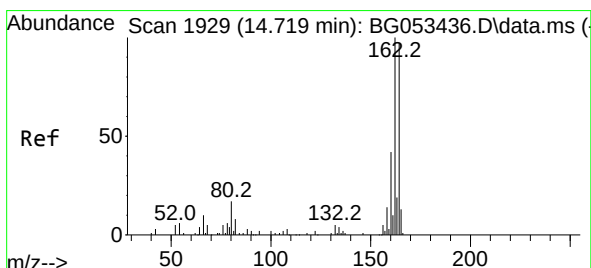
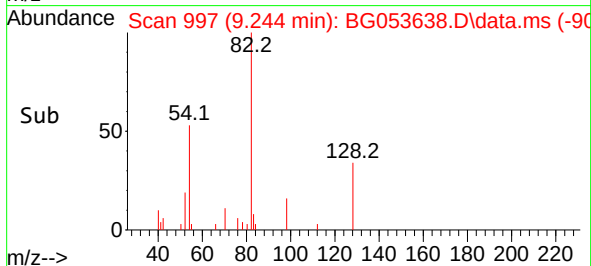
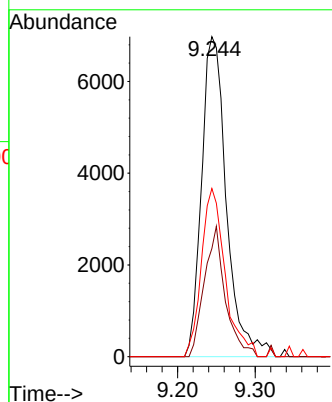
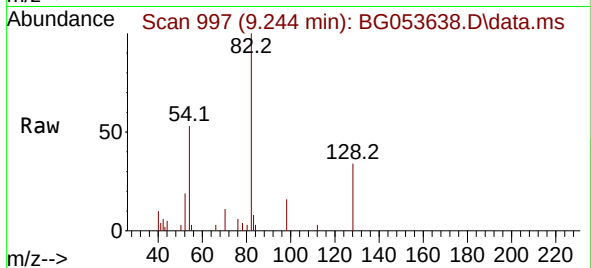
Tgt Ion: 82 Resp: 15542

Ion Ratio Lower Upper

82 100

128 33.8 27.9 41.9

54 52.6 41.2 61.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.701 min Scan# 1926

Delta R.T. 0.000 min

Lab File: BG053638.D

Acq: 19 May 2022 22:50

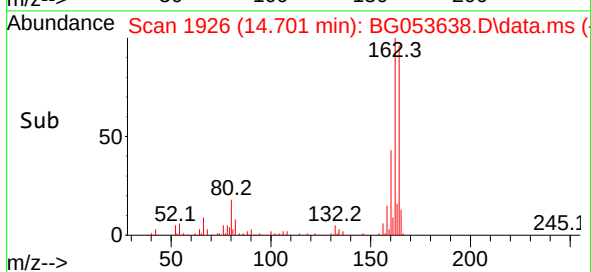
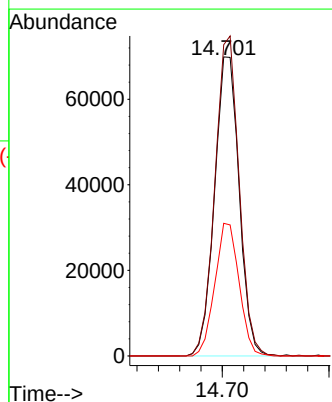
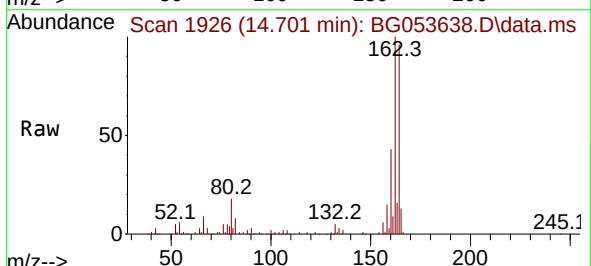
Tgt Ion: 164 Resp: 111839

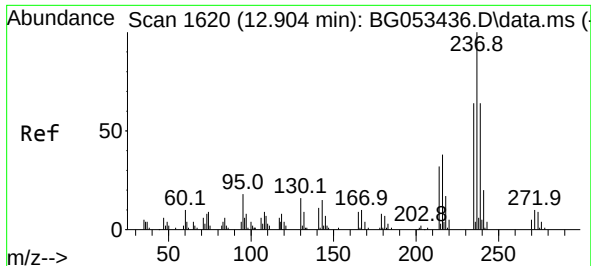
Ion Ratio Lower Upper

164 100

162 104.1 82.3 123.5

160 44.4 34.2 51.2

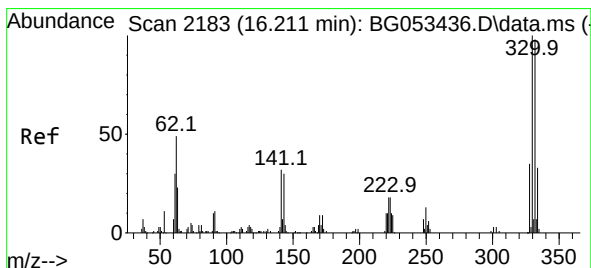
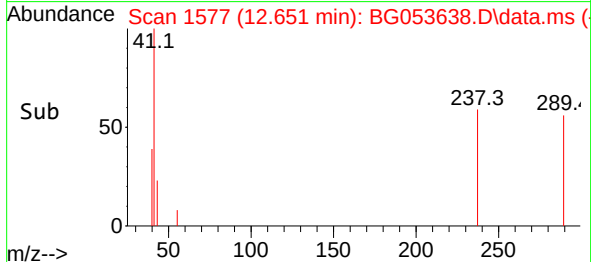
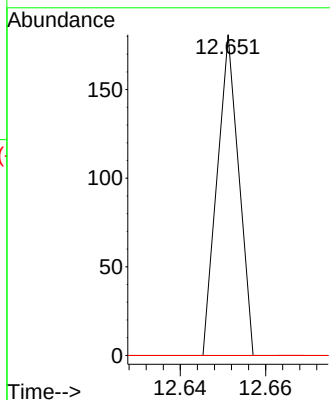
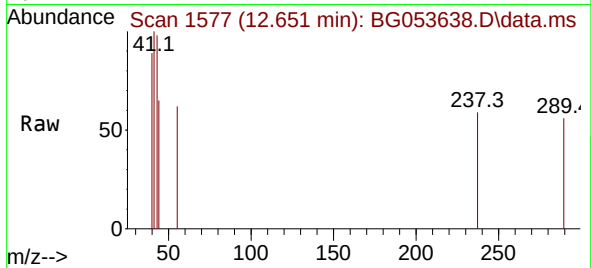




#41
Hexachlorocyclopentadiene
Concen: 8.876 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.235 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

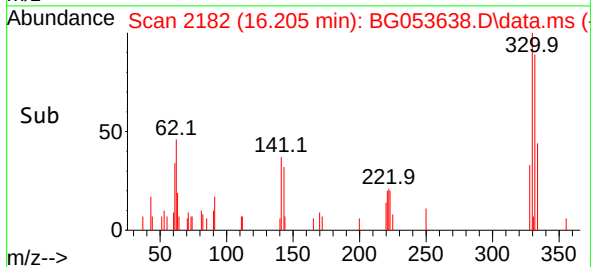
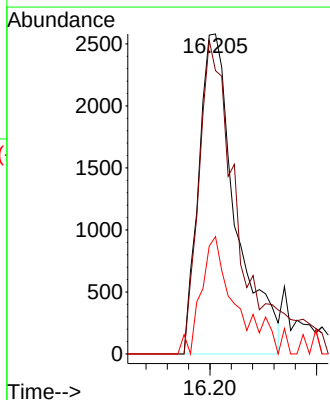
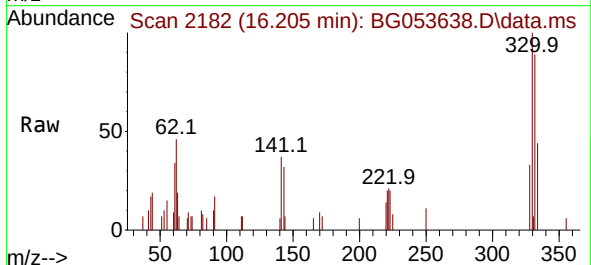
Instrument :
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P017-SS002-0006-01

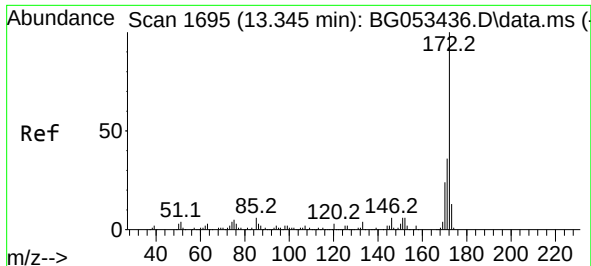
Tgt Ion:237	Resp:	64
Ion Ratio	Lower	Upper
237	100	
235	0.0	43.5
272	0.0	30.1



#42
2,4,6-Tribromophenol
Concen: 3.761 ng
RT: 16.205 min Scan# 2182
Delta R.T. 0.012 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

Tgt Ion:330	Resp:	6204
Ion Ratio	Lower	Upper
330	100	
332	107.0	76.0
141	35.2	27.1

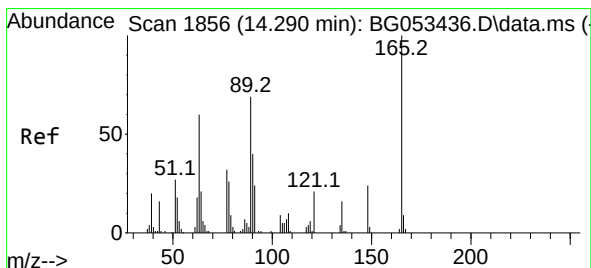
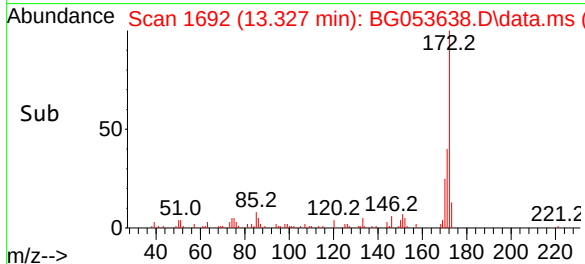
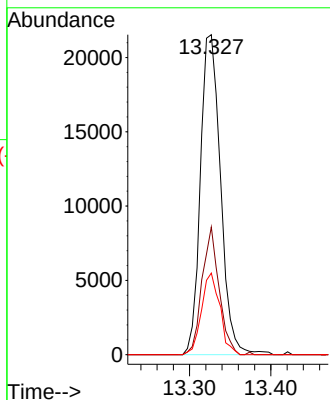
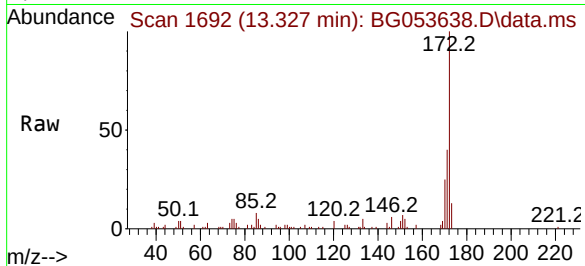




#45
2-Fluorobiphenyl
Concen: 4.848 ng
RT: 13.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

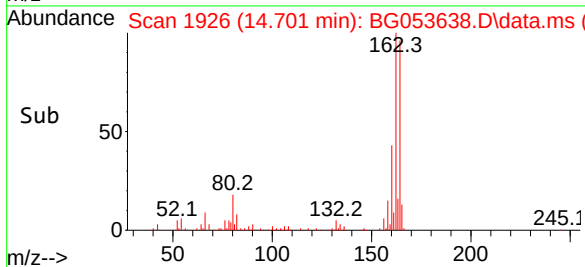
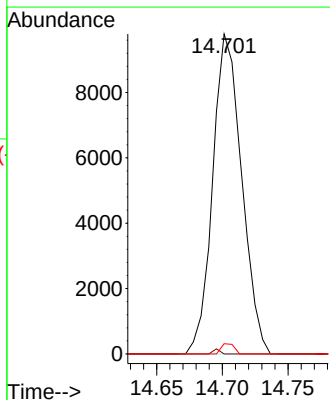
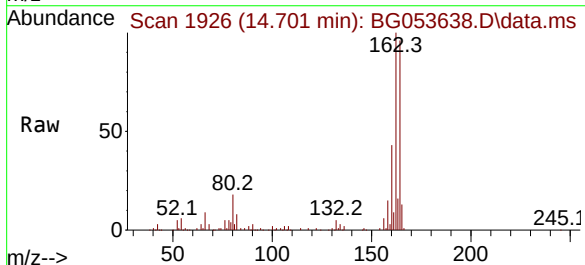
Instrument :
BNA_G
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P017-SS002-0006-01

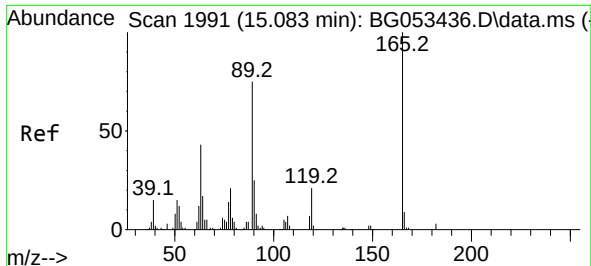
Tgt Ion:172 Resp: 37106
Ion Ratio Lower Upper
172 100
171 39.9 28.5 42.7
170 25.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.670 ng
RT: 14.701 min Scan# 1926
Delta R.T. 0.429 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

Tgt Ion:165 Resp: 15011
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 3.2 54.8 82.2#

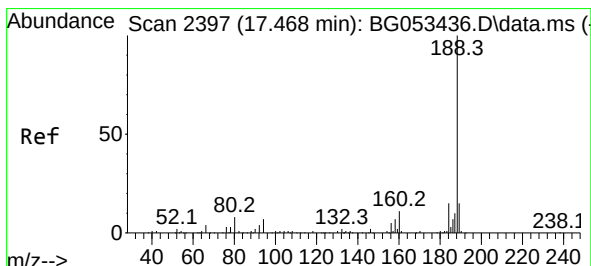
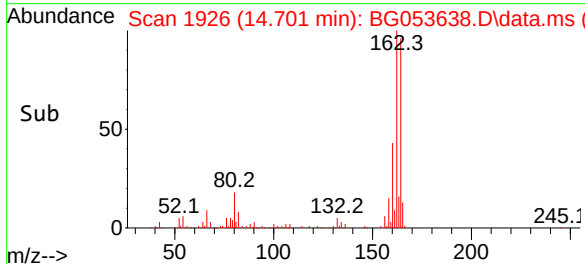
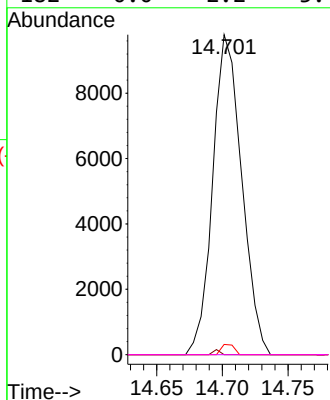
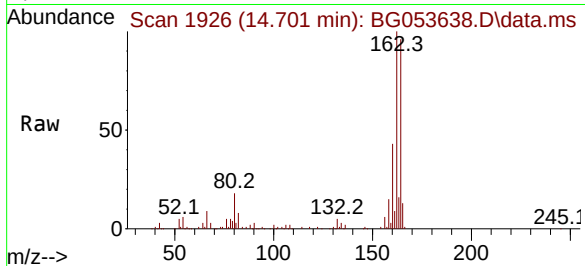




#57
2,4-Dinitrotoluene
Concen: 5.981 ng
RT: 14.701 min Scan# 1991
Delta R.T. -0.364 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

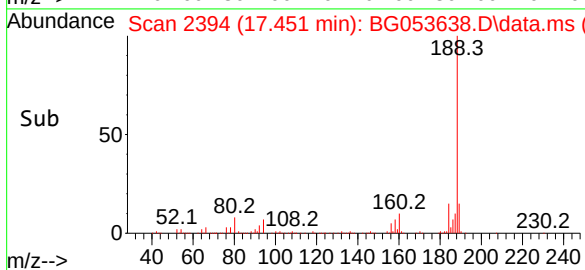
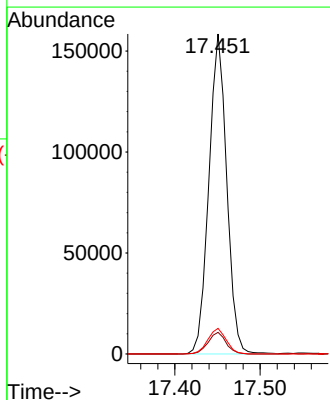
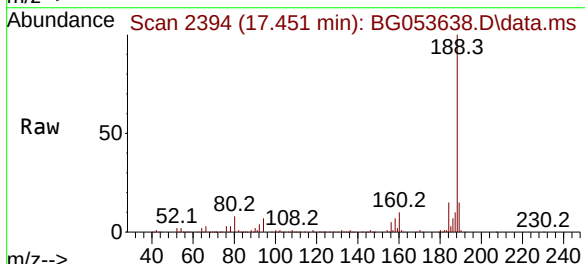
Instrument :
BNA_G
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P017-SS002-0006-01

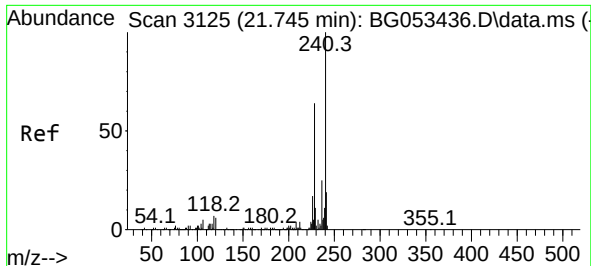
Tgt Ion:165 Resp: 15011
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 3.2 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.451 min Scan# 2394
Delta R.T. 0.000 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

Tgt Ion:188 Resp: 230244
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 8.0 6.8 10.2

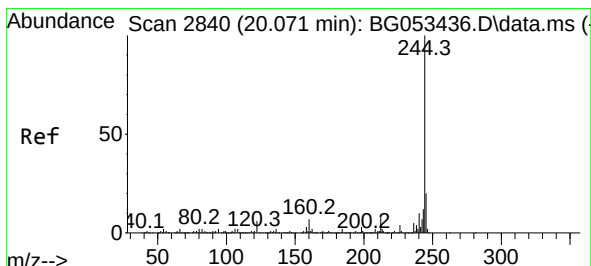
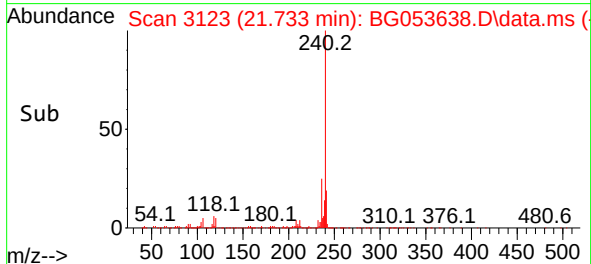
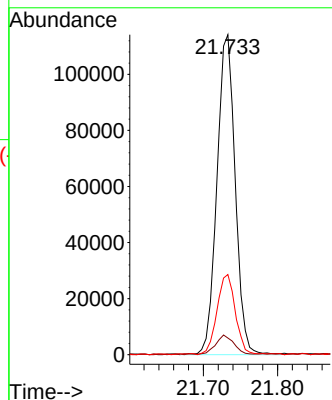
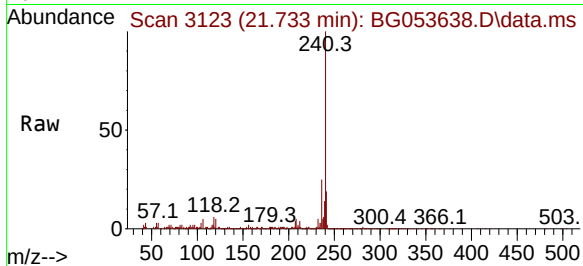




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.733 min Scan# 3125
Delta R.T. 0.000 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

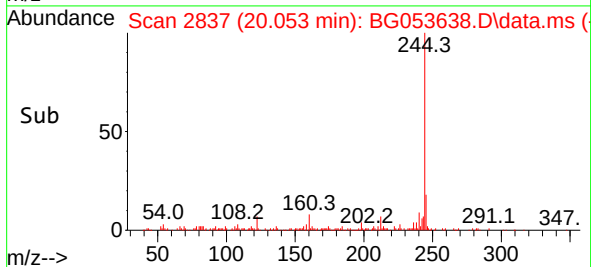
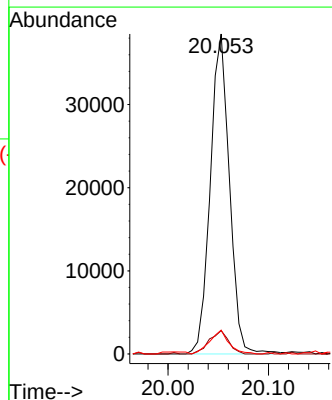
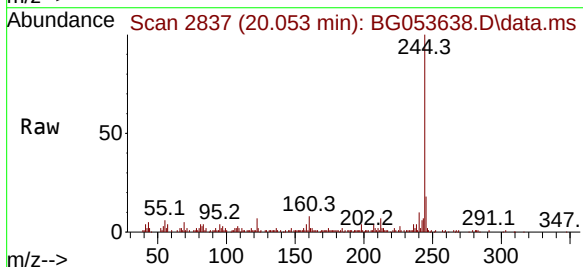
Instrument :
BNA_G
ClientSampleId :
P017-SS002-0006-01

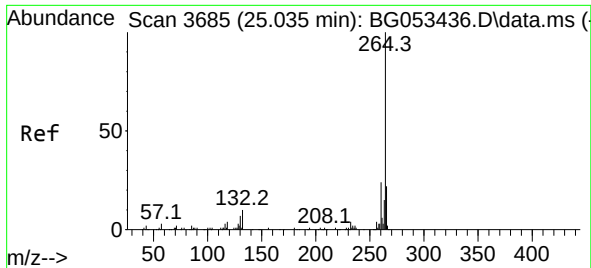
Tgt Ion:240 Resp: 195086
Ion Ratio Lower Upper
240 100
120 5.2 4.6 7.0
236 25.0 20.2 30.4



#79
Terphenyl-d14
Concen: 4.880 ng
RT: 20.053 min Scan# 2837
Delta R.T. 0.000 min
Lab File: BG053638.D
Acq: 19 May 2022 22:50

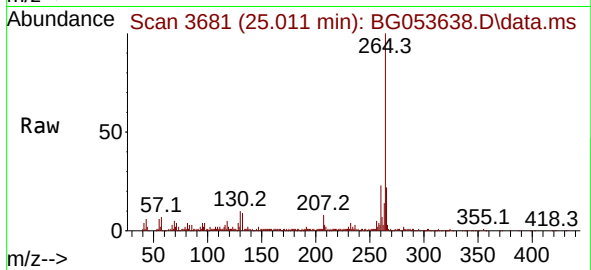
Tgt Ion:244 Resp: 51120
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 7.4 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.011 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BG053638.D
 Acq: 19 May 2022 22:50

Instrument :
 BNA_G
 ClientSampleId :
 P017-SS002-0006-01



Tgt Ion:	264	Resp:	184128
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.0	28.6
265	22.5	17.4	26.2

