

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020323\
 Data File : BG056543.D
 Acq On : 3 Feb 2023 17:52
 Operator : CG/JU
 Sample : 01418-03 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JPP-16-020223

Quant Time: Feb 04 05:13:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

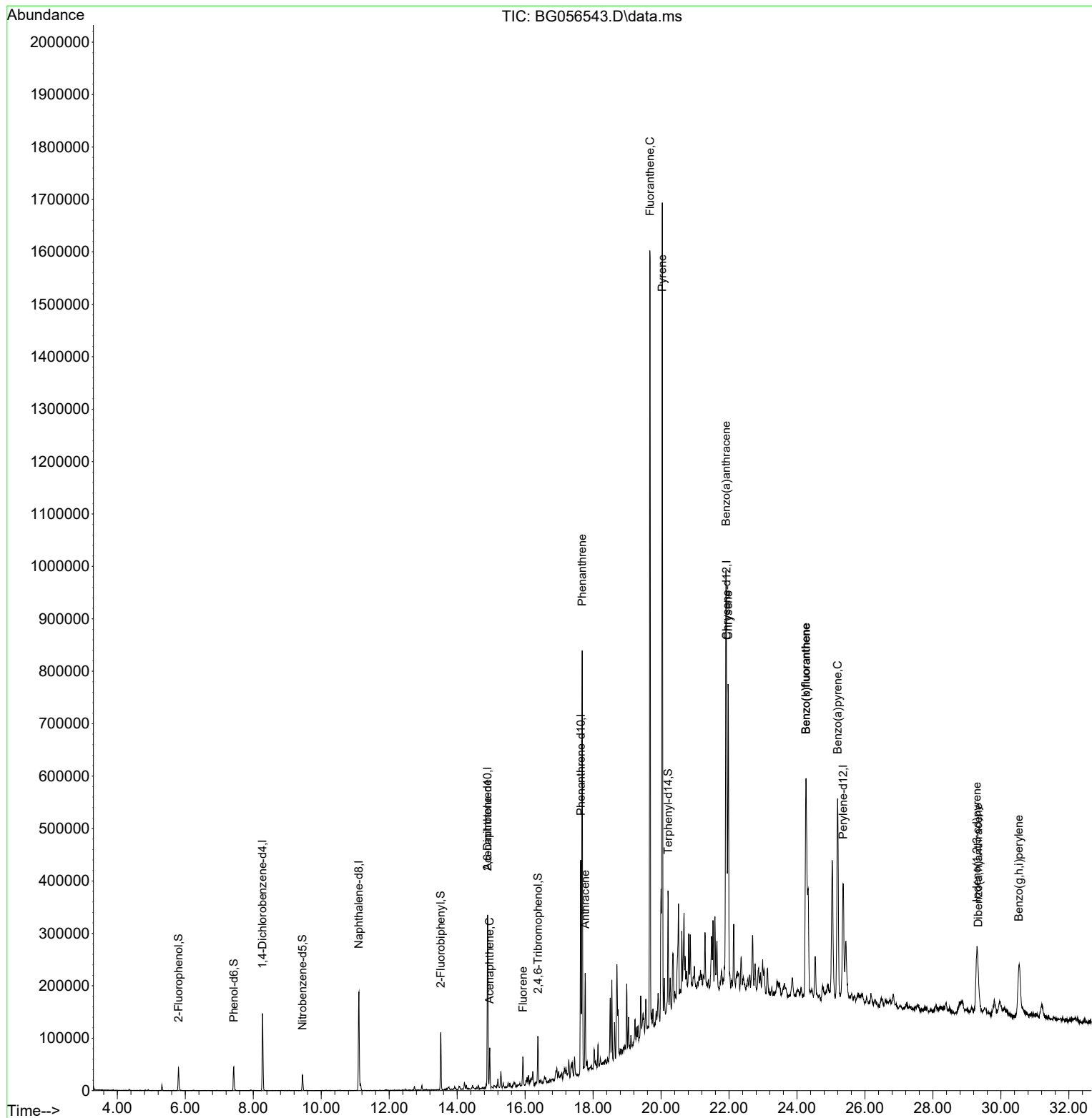
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	51442	20.000	ng	0.00
21) Naphthalene-d8	11.104	136	184227	20.000	ng	0.00
39) Acenaphthene-d10	14.894	164	129063	20.000	ng	0.00
64) Phenanthrene-d10	17.637	188	285573	20.000	ng	0.00
76) Chrysene-d12	21.927	240	269491	20.000	ng	0.00
86) Perylene-d12	25.358	264	294436	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.798	112	29726	10.630	ng	0.00
7) Phenol-d6	7.426	99	40889	9.869	ng	0.00
23) Nitrobenzene-d5	9.447	82	22941	7.071	ng	0.00
42) 2,4,6-Tribromophenol	16.380	330	15795	9.206	ng	0.00
45) 2-Fluorobiphenyl	13.519	172	64297	6.907	ng	0.00
79) Terphenyl-d14	20.211	244	93890	6.119	ng	0.00
Target Compounds						
9) Benzaldehyde	7.414	77	64	Below Cal		Qvalue
51) 2,6-Dinitrotoluene	14.894	165	18495	8.122	ng	# 1
52) Acenaphthene	14.958	154	27599	3.909	ng	# 38
58) Fluorene	15.934	166	26442	2.625	ng	96
71) Phenanthrene	17.679	178	560296	37.487	ng	91
72) Anthracene	17.767	178	132402	8.630	ng	98
75) Fluoranthene	19.676	202	1058363	56.105	ng	98
78) Pyrene	20.035	202	1100993	57.443	ng	100
81) Benzo(a)anthracene	21.909	228	533907	28.338	ng	98
83) Chrysene	21.974	228	465675	26.309	ng	99
87) Indeno(1,2,3-cd)pyrene	29.294	276	270927	12.570	ng	98
88) Benzo(b)fluoranthene	24.265	252	645915	35.343	ng	# 95
89) Benzo(k)fluoranthene	24.265	252	645915	35.006	ng	99
90) Benzo(a)pyrene	25.193	252	525435	29.187	ng	99
91) Dibenzo(a,h)anthracene	29.336	278	62774	3.470	ng	# 91
92) Benzo(g,h,i)perylene	30.528	276	283641	16.248	ng	97

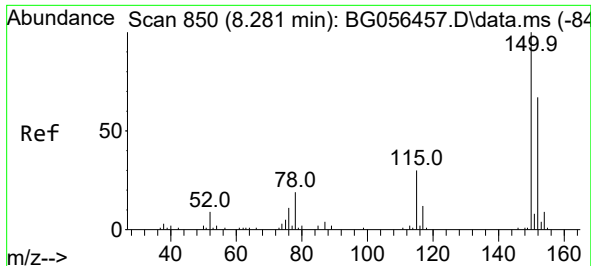
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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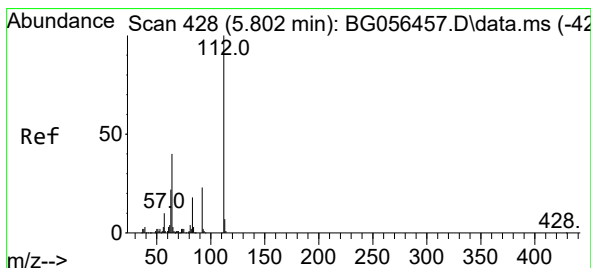
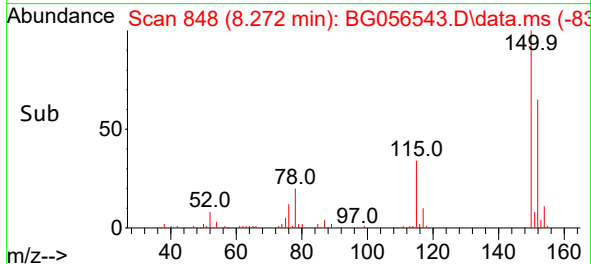
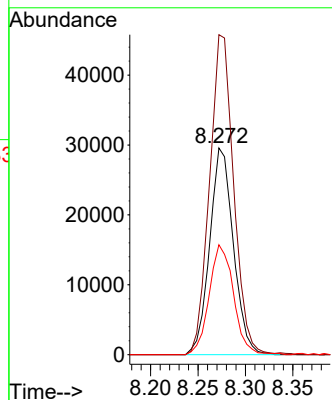
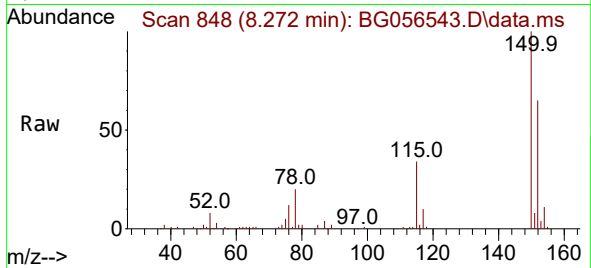




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 84
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

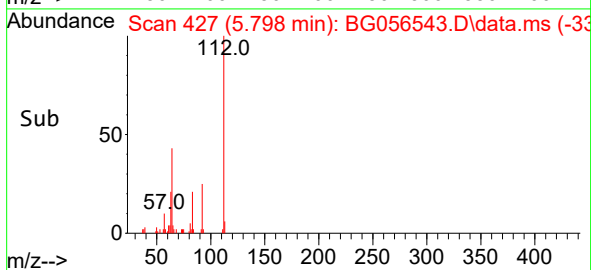
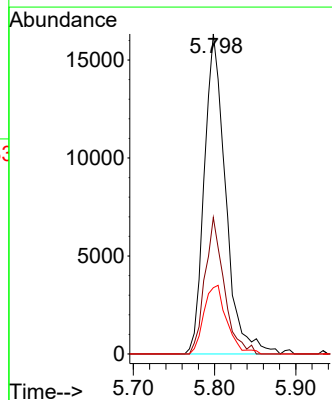
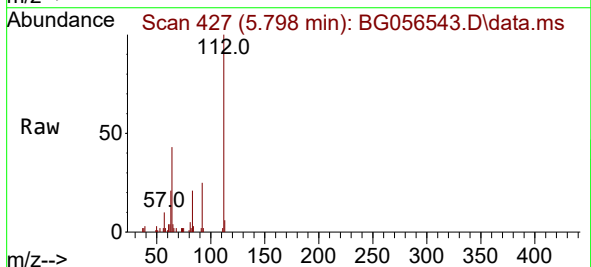
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

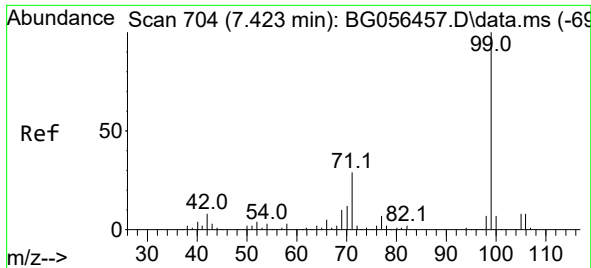
Tgt Ion:152 Resp: 51442
Ion Ratio Lower Upper
152 100
150 154.8 120.2 180.4
115 53.2 36.3 54.5



#5
2-Fluorophenol
Concen: 10.630 ng
RT: 5.798 min Scan# 427
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:112 Resp: 29726
Ion Ratio Lower Upper
112 100
64 42.7 31.9 47.9
63 20.7 17.4 26.0

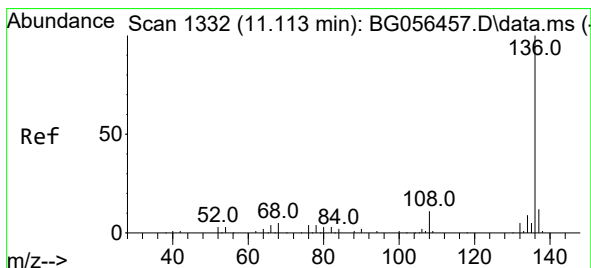
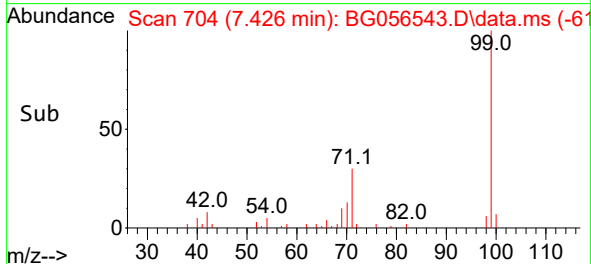
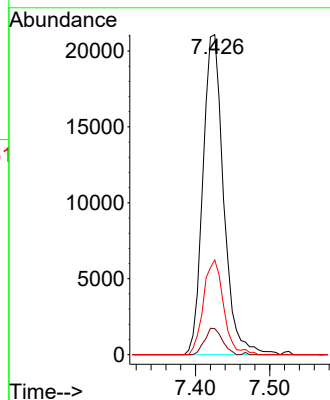
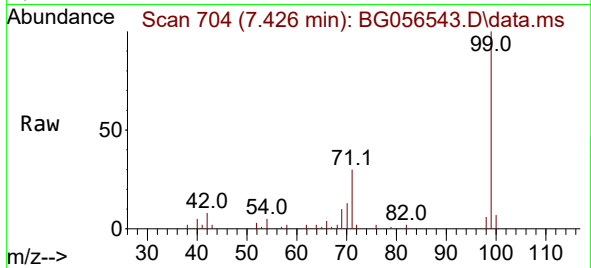




#7
Phenol-d6
Concen: 9.869 ng
RT: 7.426 min Scan# 704
Delta R.T. 0.008 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

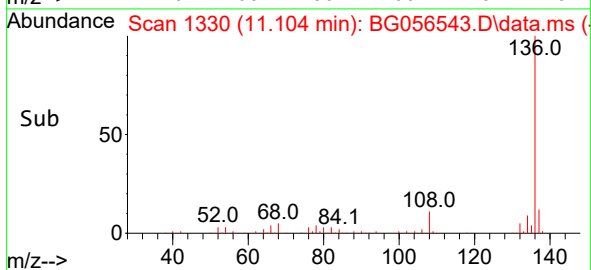
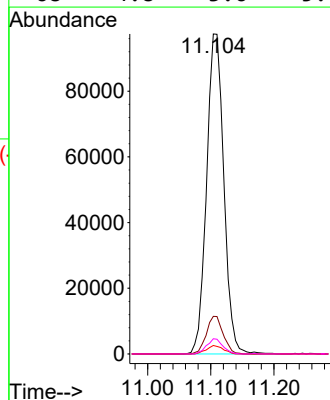
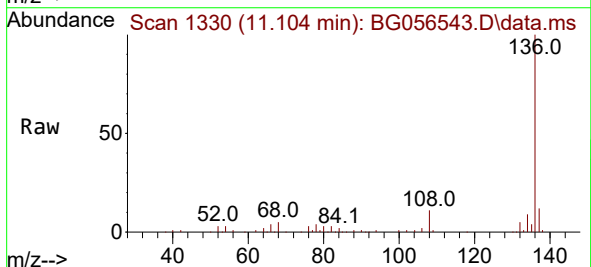
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

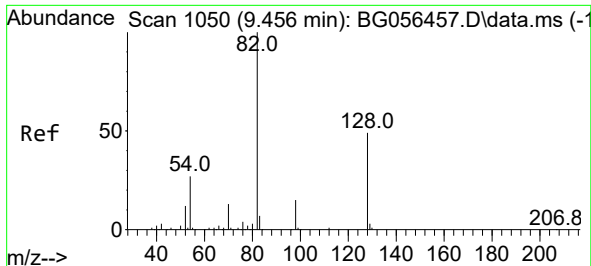
Tgt Ion: 99 Resp: 40889
Ion Ratio Lower Upper
99 100
42 8.2 6.6 10.0
71 29.6 23.4 35.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.104 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:136 Resp: 184227
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 2.7 2.2 3.4
68 4.8 3.6 5.4

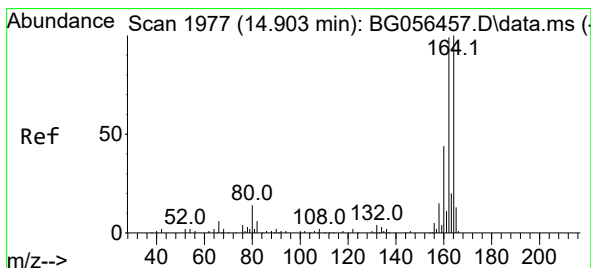
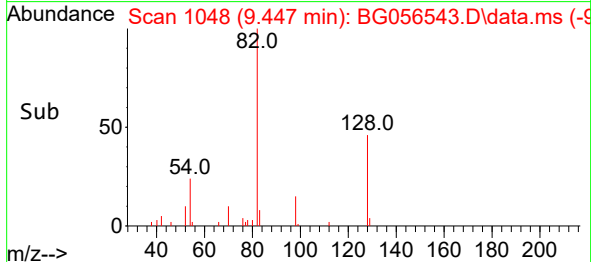
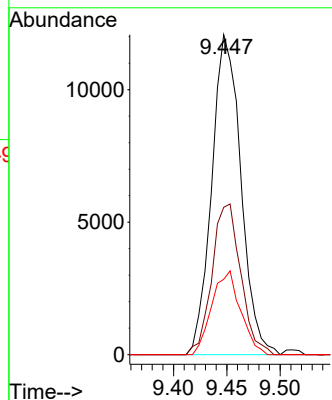
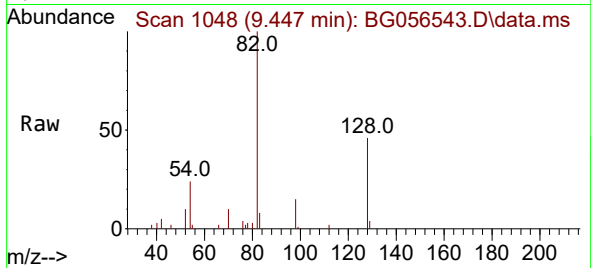




#23
Nitrobenzene-d5
Concen: 7.071 ng
RT: 9.447 min Scan# 1048
Delta R.T. -0.009 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

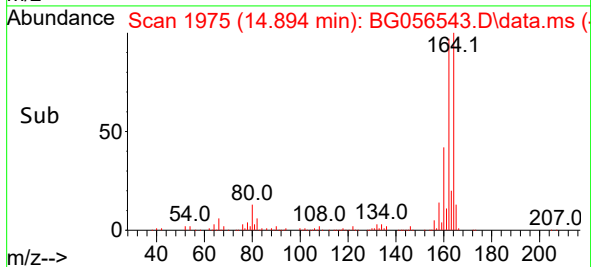
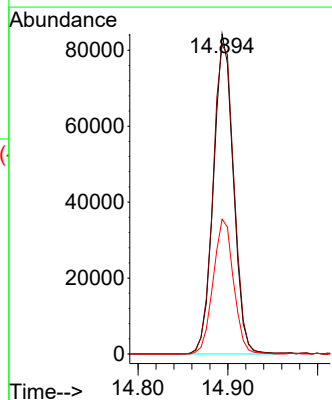
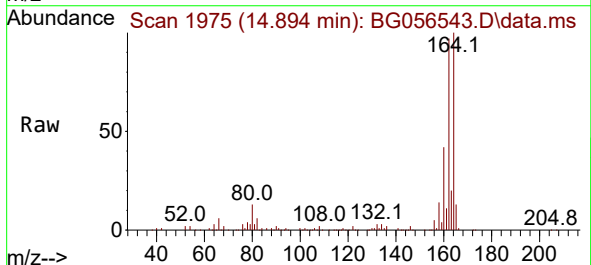
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

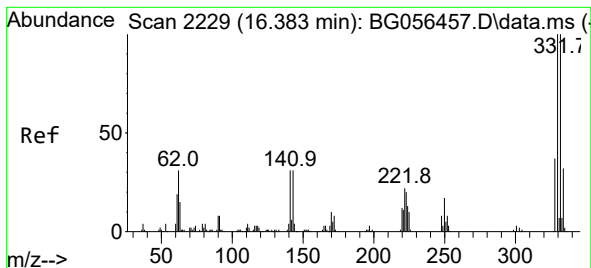
Tgt Ion: 82 Resp: 22941
Ion Ratio Lower Upper
82 100
128 46.1 39.4 59.2
54 23.5 21.4 32.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.894 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion: 164 Resp: 129063
Ion Ratio Lower Upper
164 100
162 96.6 79.6 119.4
160 42.1 34.9 52.3

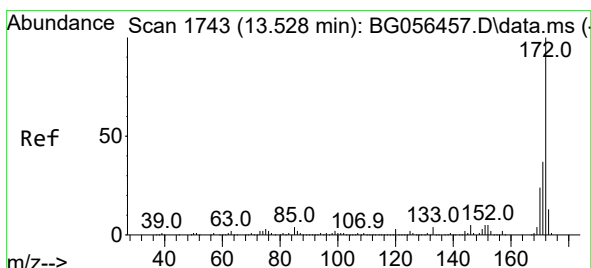
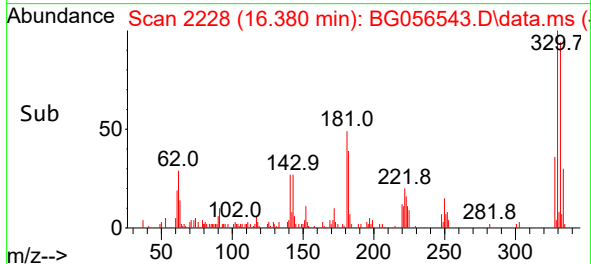
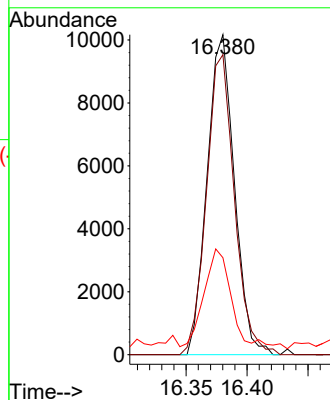
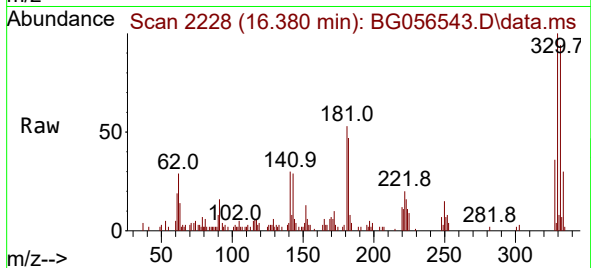




#42
2,4,6-Tribromophenol
Concen: 9.206 ng
RT: 16.380 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

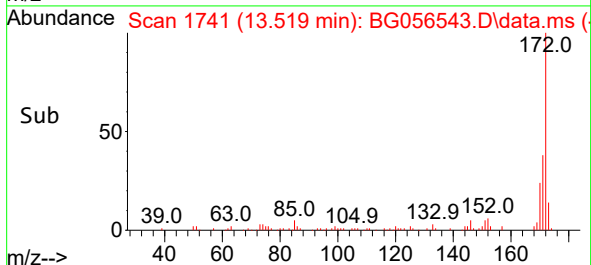
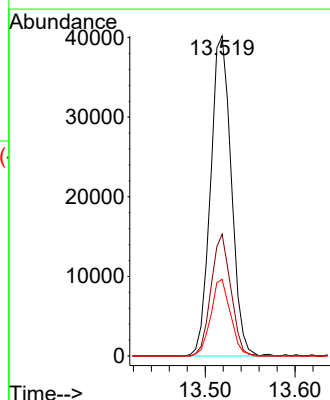
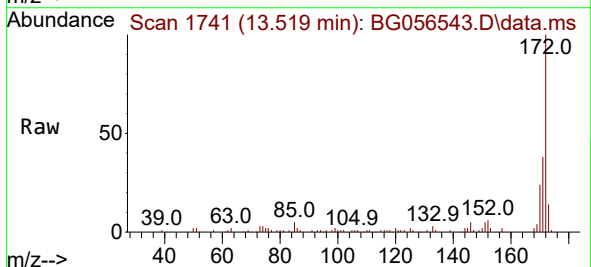
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

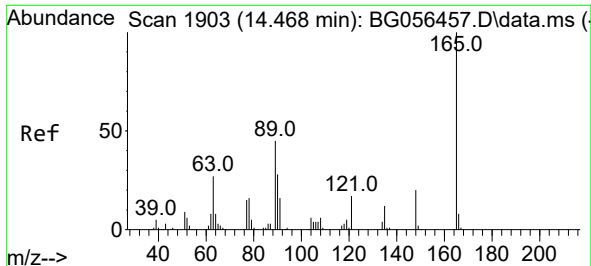
Tgt Ion:330 Resp: 15795
Ion Ratio Lower Upper
330 100
332 96.3 79.0 118.6
141 32.0 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 6.907 ng
RT: 13.519 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:172 Resp: 64297
Ion Ratio Lower Upper
172 100
171 38.1 29.5 44.3
170 23.9 19.2 28.8

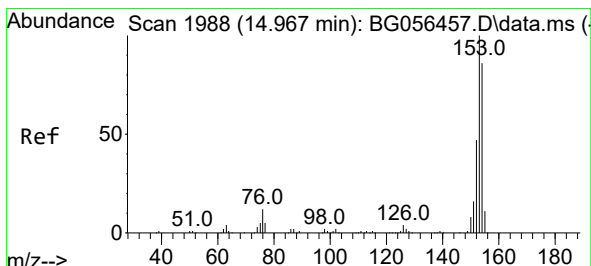
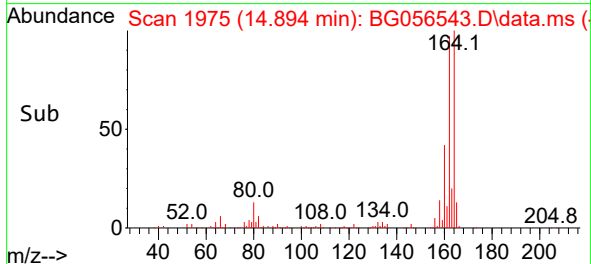
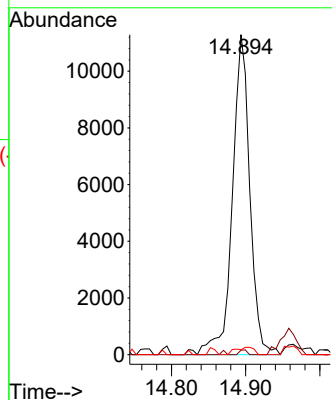
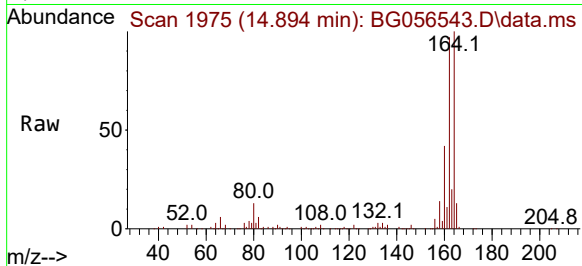




#51
2,6-Dinitrotoluene
Concen: 8.122 ng
RT: 14.894 min Scan# 1903
Delta R.T. 0.425 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

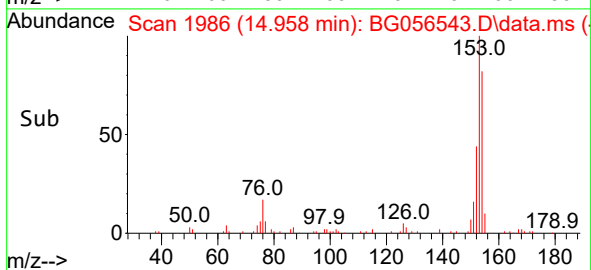
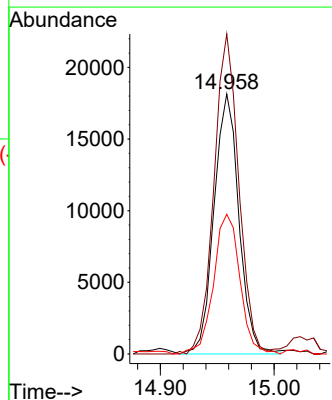
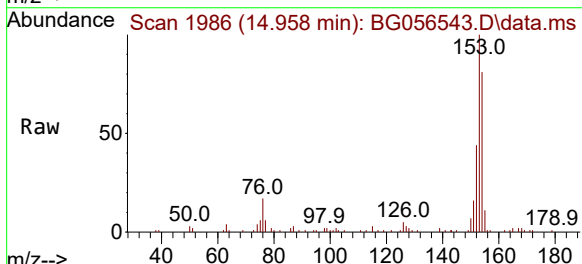
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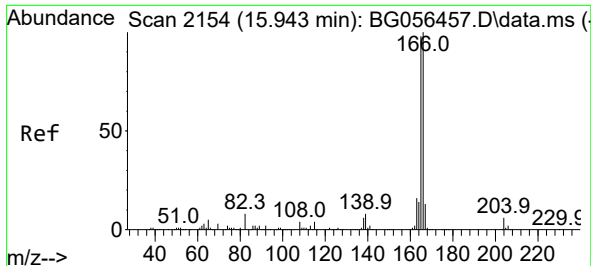
Tgt Ion:165 Resp: 18495
Ion Ratio Lower Upper
165 100
63 1.4 26.9 40.3#
89 1.5 35.6 53.4#



#52
Acenaphthene
Concen: 3.909 ng
RT: 14.958 min Scan# 1986
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:154 Resp: 27599
Ion Ratio Lower Upper
154 100
153 123.1 93.4 140.0
152 53.7 43.4 65.2

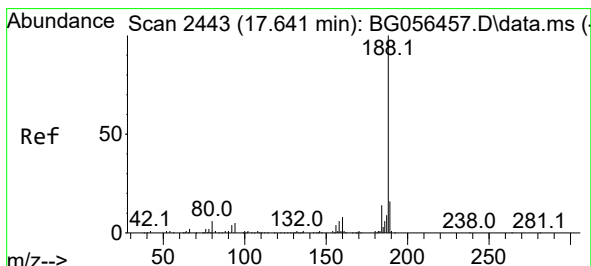
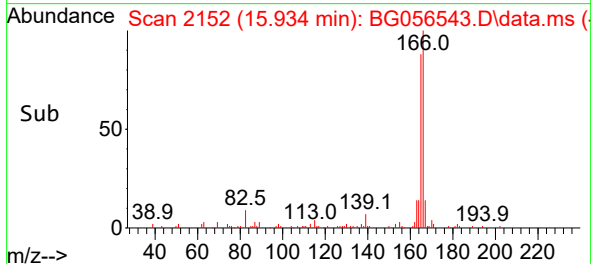
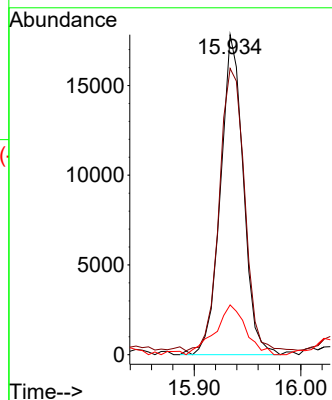
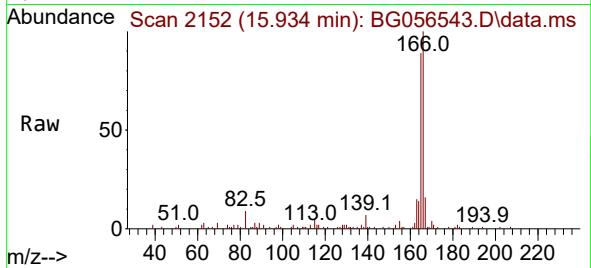




#58
Fluorene
Concen: 2.625 ng
RT: 15.934 min Scan# 2154
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

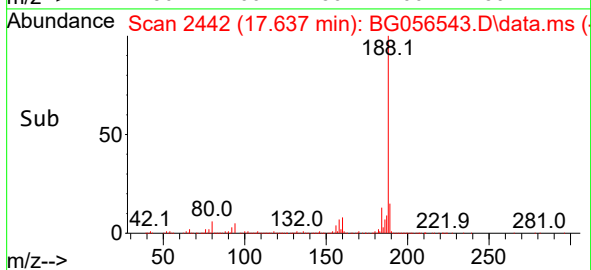
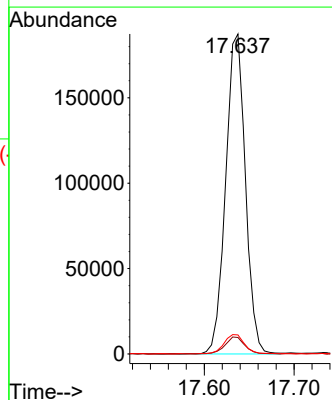
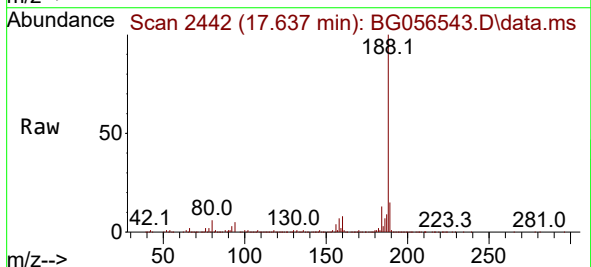
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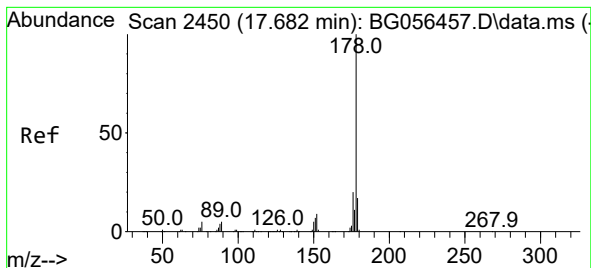
Tgt Ion:166 Resp: 26442
Ion Ratio Lower Upper
166 100
165 89.5 78.8 118.2
167 15.6 10.6 15.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.637 min Scan# 2442
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:188 Resp: 285573
Ion Ratio Lower Upper
188 100
94 5.2 4.1 6.1
80 5.9 5.0 7.4





#71

Phenanthrene

Concen: 37.487 ng

RT: 17.679 min Scan# 2449

Delta R.T. 0.002 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Instrument :

BNA_G

ClientSampleId :

JPP-16-020223

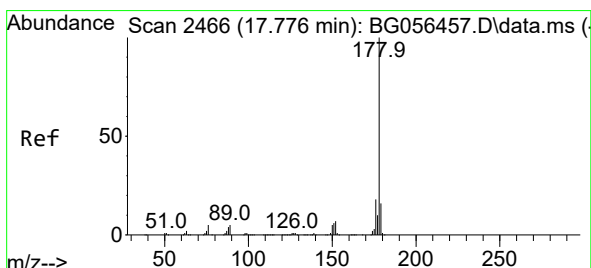
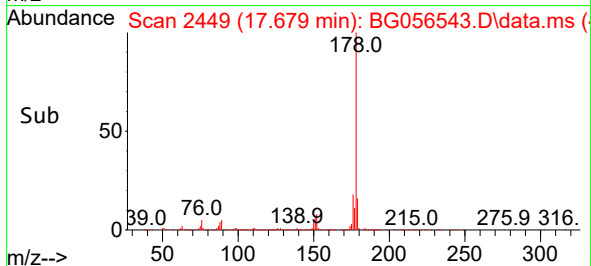
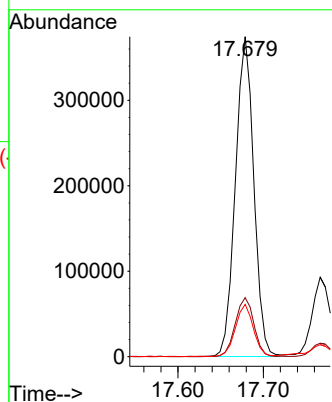
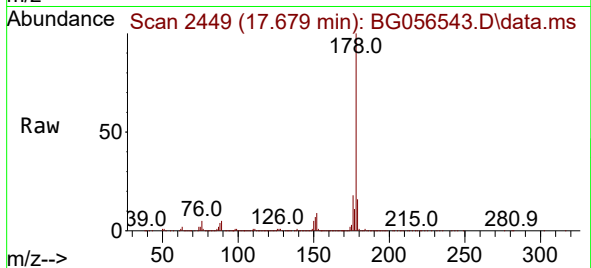
Tgt Ion:178 Resp: 560296

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

179 16.4 13.3 19.9



#72

Anthracene

Concen: 8.630 ng

RT: 17.767 min Scan# 2464

Delta R.T. -0.003 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

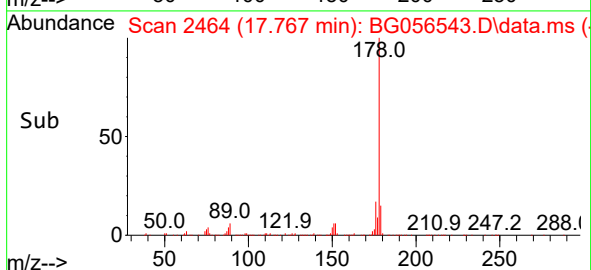
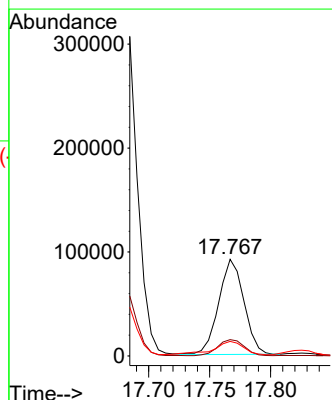
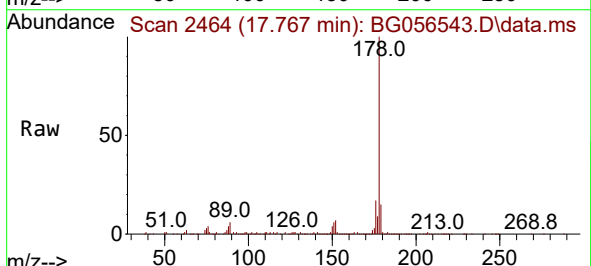
Tgt Ion:178 Resp: 132402

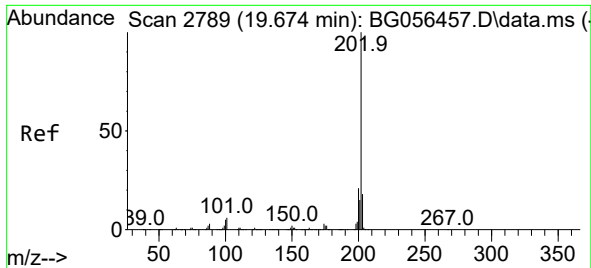
Ion Ratio Lower Upper

178 100

176 16.8 14.5 21.7

179 15.2 12.5 18.7

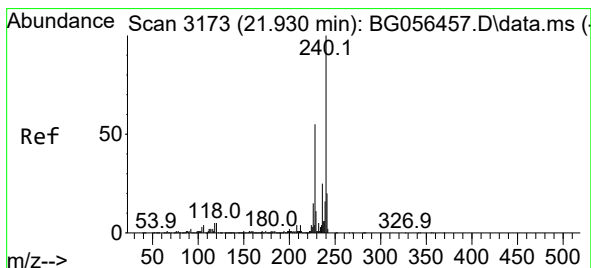
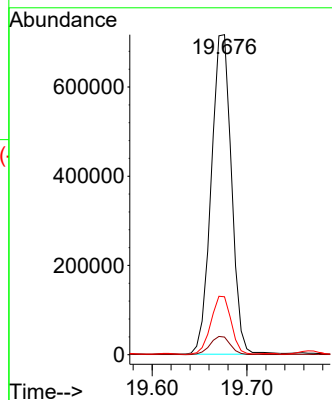
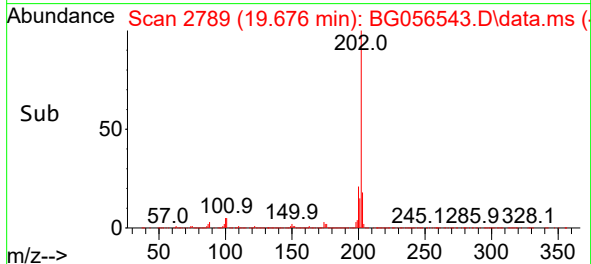
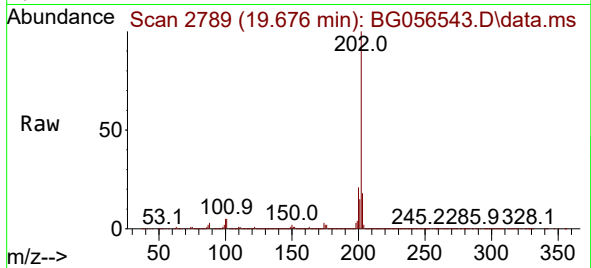




#75
Fluoranthene
Concen: 56.105 ng
RT: 19.676 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

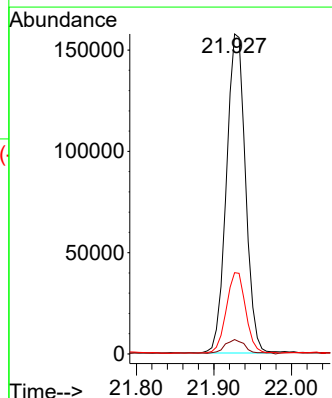
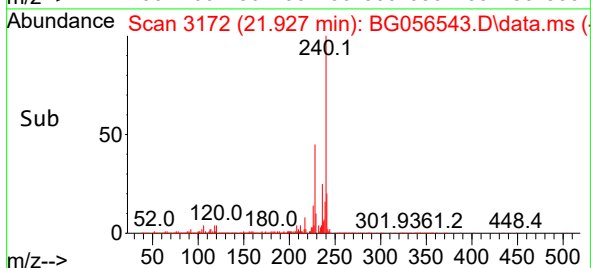
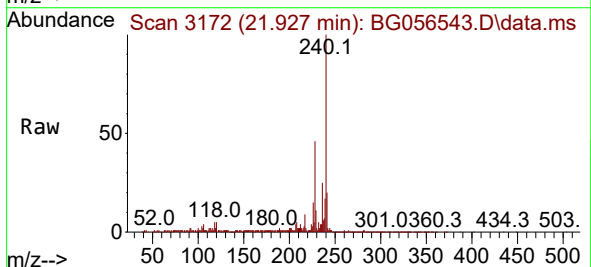
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

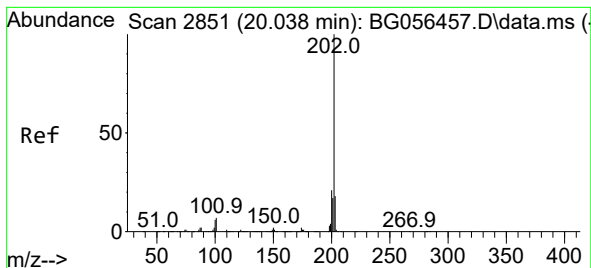
Tgt Ion:202 Resp: 1058363
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.6
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3172
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:240 Resp: 269491
Ion Ratio Lower Upper
240 100
120 4.5 3.8 5.8
236 25.4 20.2 30.2





#78

Pyrene

Concen: 57.443 ng

RT: 20.035 min Scan# 2

Delta R.T. 0.002 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Instrument :

BNA_G

ClientSampleId :

JPP-16-020223

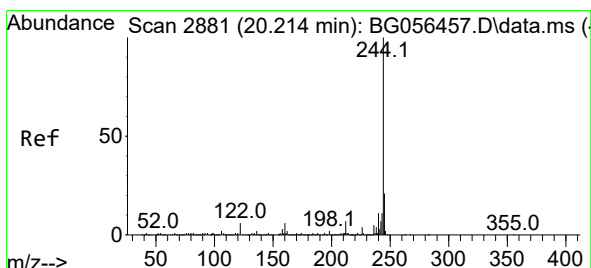
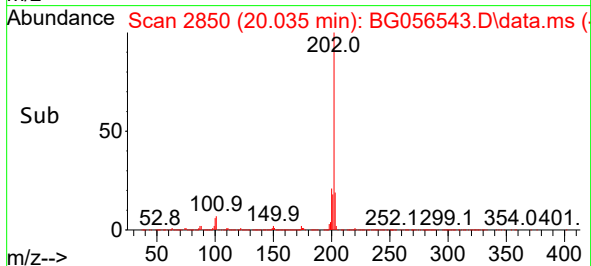
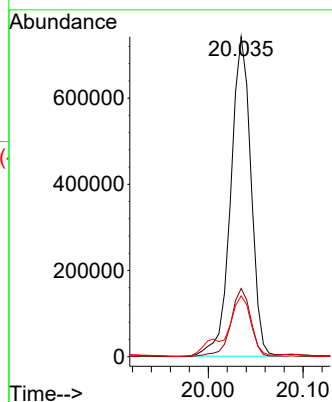
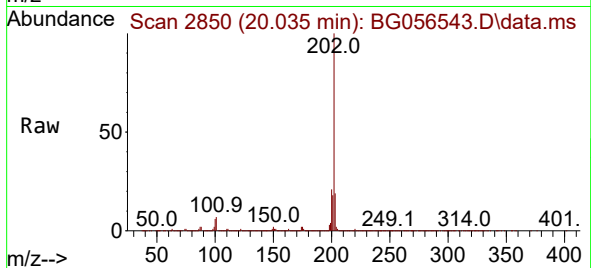
Tgt Ion:202 Resp: 1100993

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 19.0 14.4 21.6



#79

Terphenyl-d14

Concen: 6.119 ng

RT: 20.211 min Scan# 2880

Delta R.T. 0.002 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

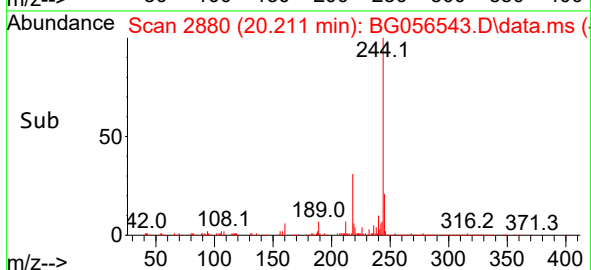
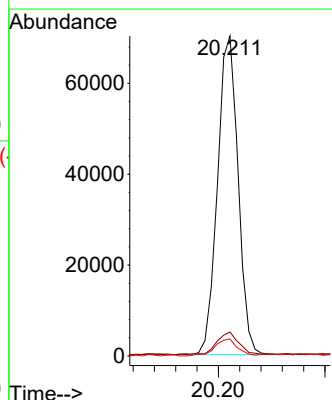
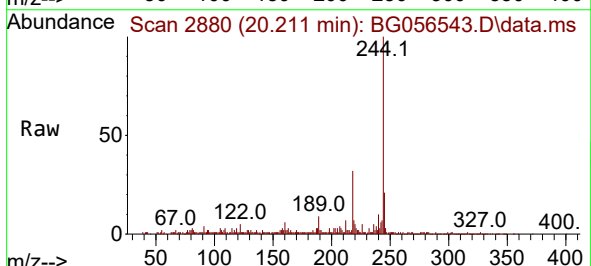
Tgt Ion:244 Resp: 93890

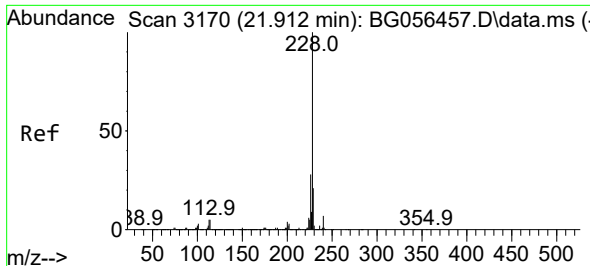
Ion Ratio Lower Upper

244 100

212 7.5 5.5 8.3

122 5.4 4.4 6.6

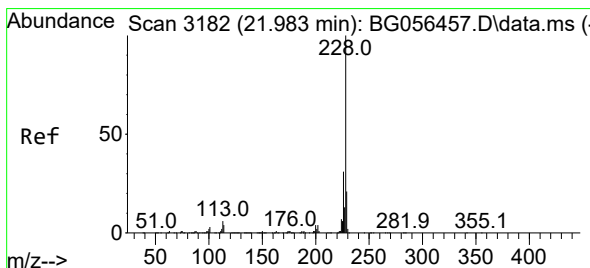
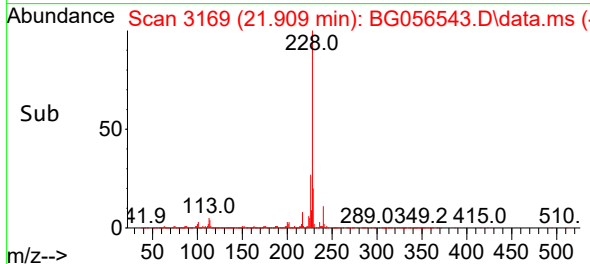
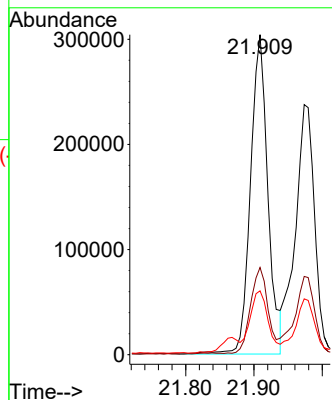
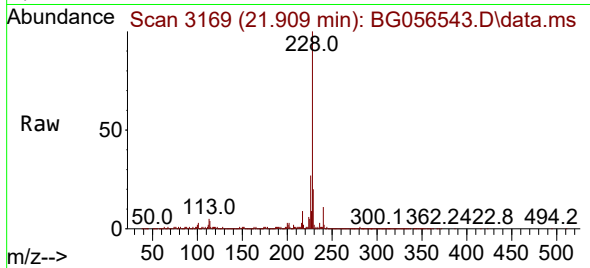




#81
Benzo(a)anthracene
Concen: 28.338 ng
RT: 21.909 min Scan# 3170
Delta R.T. 0.008 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

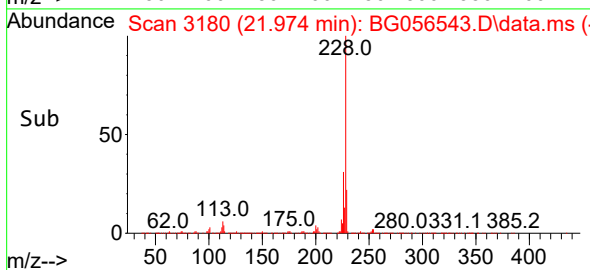
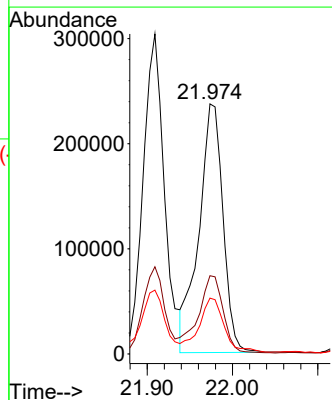
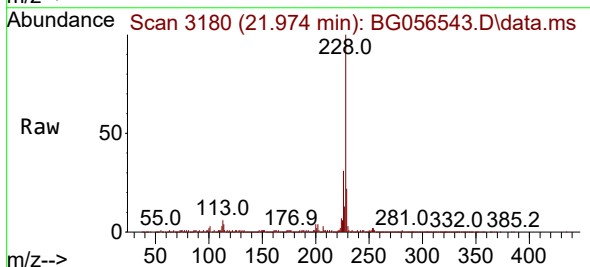
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

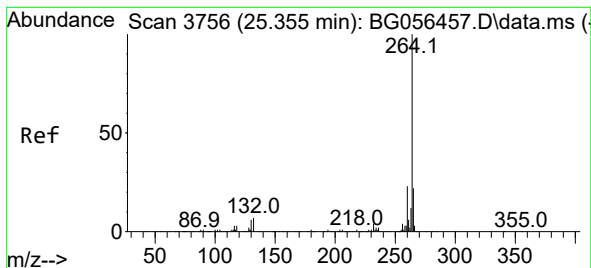
Tgt Ion:228 Resp: 533907
Ion Ratio Lower Upper
228 100
226 27.3 22.4 33.6
229 20.0 16.5 24.7



#83
Chrysene
Concen: 26.309 ng
RT: 21.974 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:228 Resp: 465675
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.4
229 22.3 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.358 min Scan# 31

Delta R.T. 0.014 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Instrument :

BNA_G

ClientSampleId :

JPP-16-020223

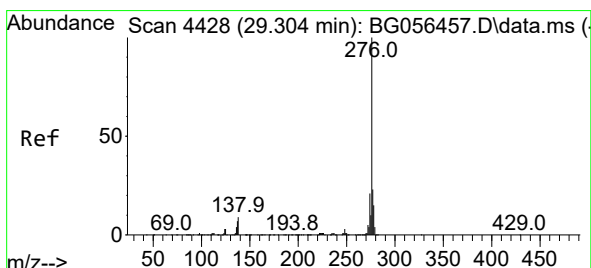
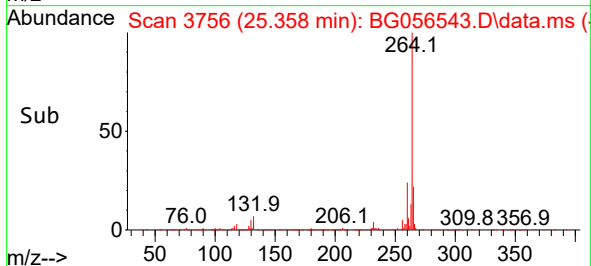
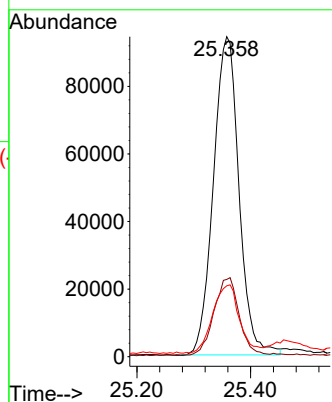
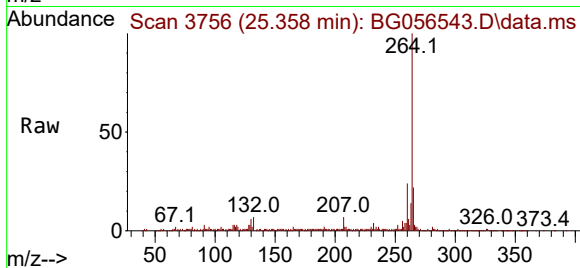
Tgt Ion:264 Resp: 294436

Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.4

265 22.2 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.570 ng

RT: 29.294 min Scan# 4426

Delta R.T. 0.014 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

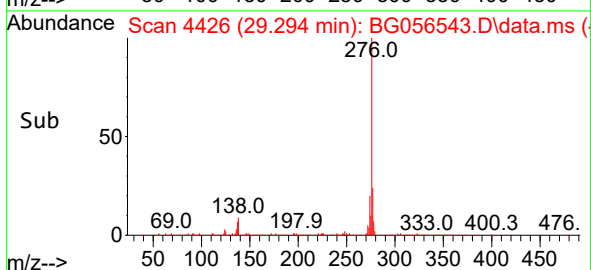
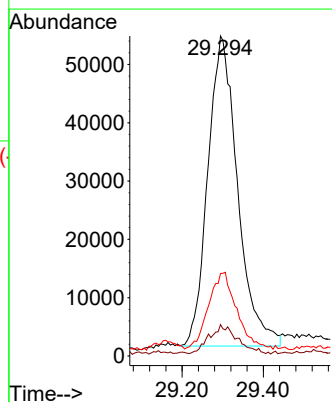
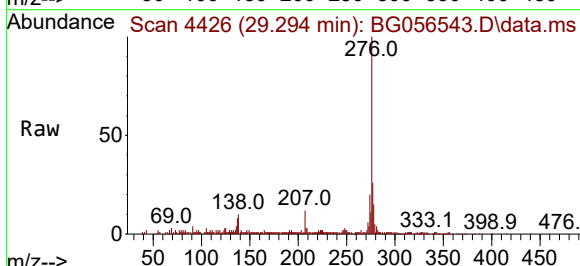
Tgt Ion:276 Resp: 270927

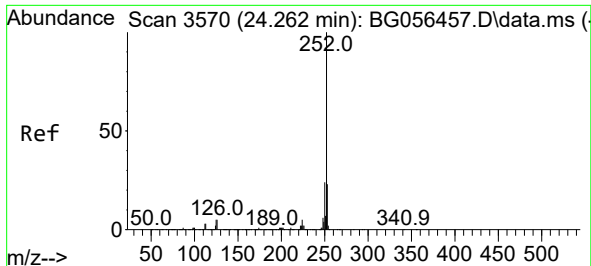
Ion Ratio Lower Upper

276 100

138 8.6 9.4 14.2#

277 23.6 20.3 30.5

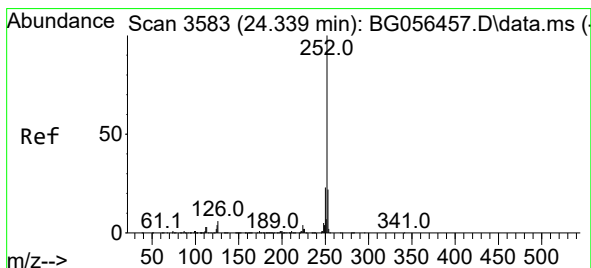
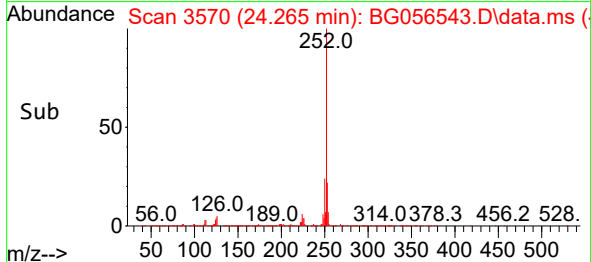
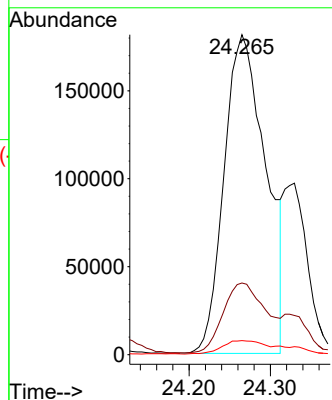
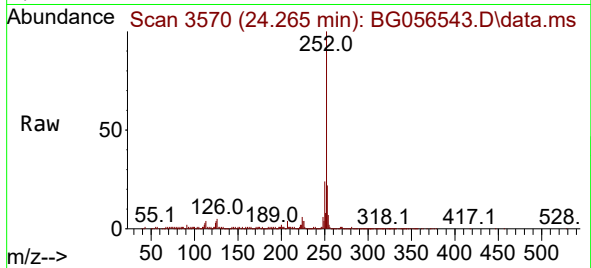




#88
Benzo(b)fluoranthene
Concen: 35.343 ng
RT: 24.265 min Scan# 3570
Delta R.T. 0.014 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

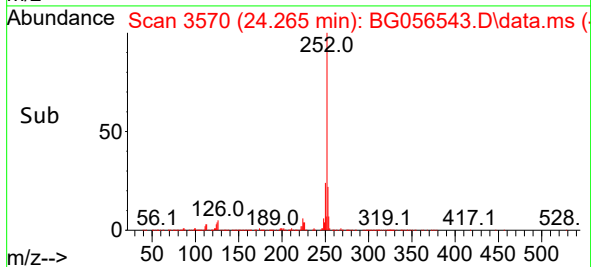
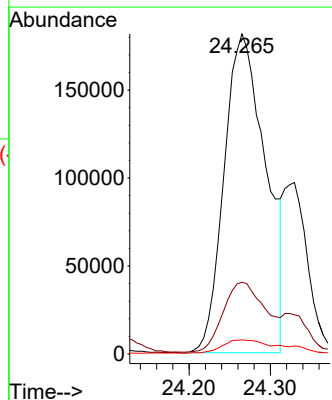
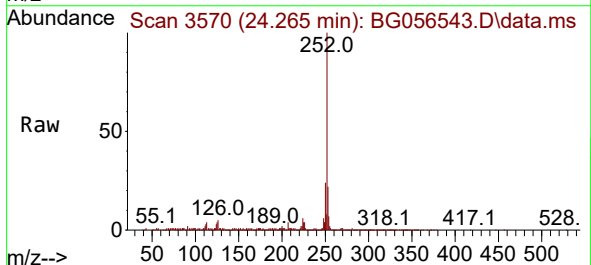
Instrument :
BNA_G
ClientSampleId :
JPP-16-020223

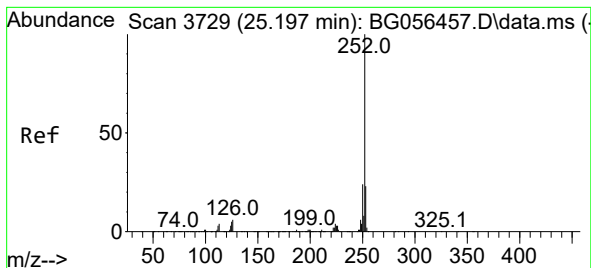
Tgt Ion:252 Resp: 645915
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 4.4 3.9 5.9



#89
Benzo(k)fluoranthene
Concen: 35.006 ng
RT: 24.265 min Scan# 3570
Delta R.T. -0.056 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Tgt Ion:252 Resp: 645915
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 4.4 3.4 5.0





#90

Benzo(a)pyrene

Concen: 29.187 ng

RT: 25.193 min Scan# 31

Delta R.T. 0.008 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

Instrument :

BNA_G

ClientSampleId :

JPP-16-020223

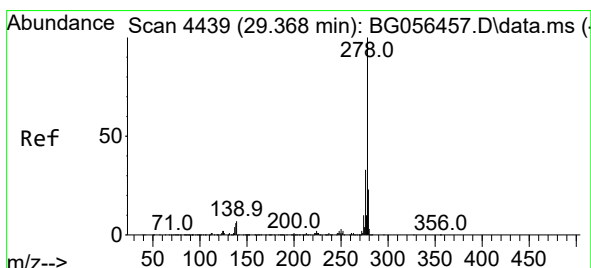
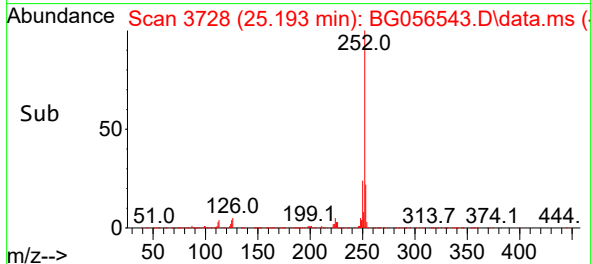
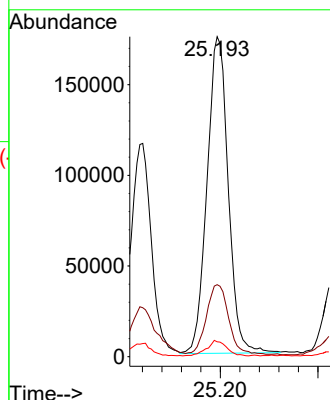
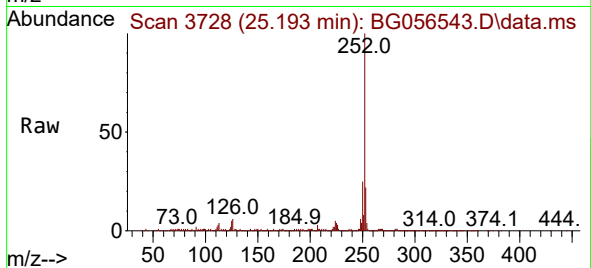
Tgt Ion:252 Resp: 525435

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 4.6 4.1 6.1



#91

Dibenzo(a,h)anthracene

Concen: 3.470 ng

RT: 29.336 min Scan# 4433

Delta R.T. -0.009 min

Lab File: BG056543.D

Acq: 3 Feb 2023 17:52

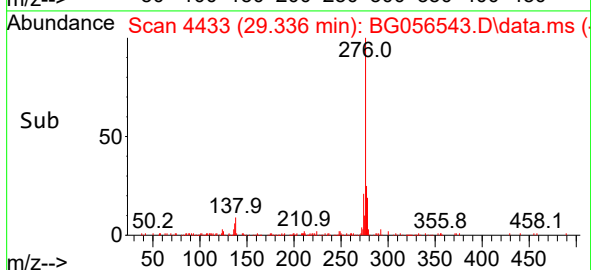
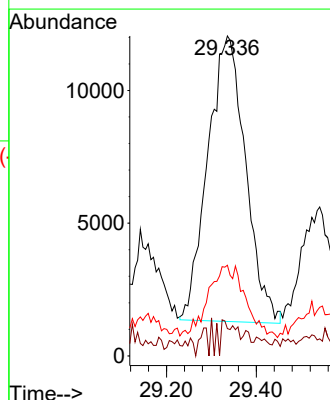
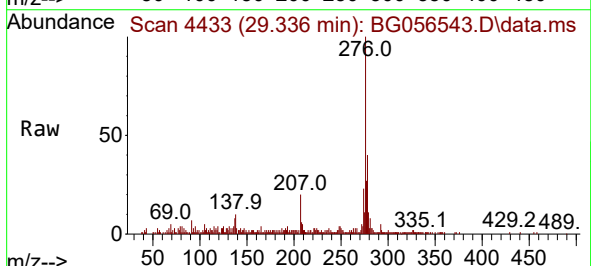
Tgt Ion:278 Resp: 62774

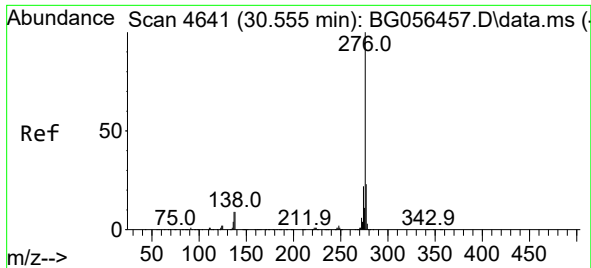
Ion Ratio Lower Upper

278 100

139 8.5 5.5 8.3#

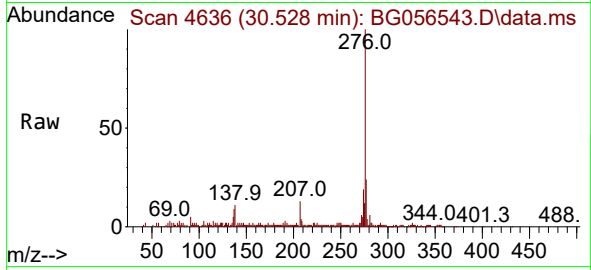
279 28.3 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 16.248 ng
RT: 30.528 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG056543.D
Acq: 3 Feb 2023 17:52

Instrument :
BNA_G
ClientSampleId :
JPP-16-020223



Tgt Ion:276 Resp: 283641
Ion Ratio Lower Upper
276 100
277 24.3 18.5 27.7
138 10.9 7.4 11.0

