

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110722\
 Data File : BG055498.D
 Acq On : 8 Nov 2022 5:09
 Operator : CG/JU
 Sample : N5481-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/08/2022
 Supervised By : Jagrut Upadhyay 11/08/2022

Quant Time: Nov 08 06:07:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 03:46:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.082	152	37542	20.000	ng	0.00
21) Naphthalene-d8	10.908	136	165745	20.000	ng	# 0.00
39) Acenaphthene-d10	14.721	164	109459	20.000	ng	0.00
64) Phenanthrene-d10	17.459	188	226119	20.000	ng	# 0.00
76) Chrysene-d12	21.725	240	211841	20.000	ng	0.00
86) Perylene-d12	24.986	264	246972	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.608	112	242236	115.875	ng	0.00
7) Phenol-d6	7.248	99	321375	110.858	ng	0.00
23) Nitrobenzene-d5	9.263	82	188549	60.627	ng	0.00
42) 2,4,6-Tribromophenol	16.208	330	176512	118.223	ng	0.00
45) 2-Fluorobiphenyl	13.346	172	527461	71.446	ng	0.00
79) Terphenyl-d14	20.050	244	743167	68.217	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.451	152	36056	3.393	ng	95
52) Acenaphthene	14.786	154	33401	5.281	ng	98
55) Dibenzofuran	15.115	168	29441	2.812	ng	95
58) Fluorene	15.761	166	23359	2.747	ng	98
70) Pentachlorophenol	17.124	266	8700m	9.424	ng	
71) Phenanthrene	17.500	178	261138	20.531	ng	99
72) Anthracene	17.594	178	59189	4.748	ng	98
73) Carbazole	17.859	167	29287	2.525	ng	99
75) Fluoranthene	19.504	202	831585	54.355	ng	98
78) Pyrene	19.862	202	761176	50.934	ng	99
81) Benzo(a)anthracene	21.701	228	509494	35.036	ng	97
83) Chrysene	21.766	228	550065	39.648	ng	98
84) Bis(2-ethylhexyl)phtha...	21.572	149	50445	5.570	ng	99
87) Indeno(1,2,3-cd)pyrene	28.746	276	441095	22.245	ng	# 92
88) Benzo(b)fluoranthene	23.957	252	973940	62.083	ng	98
89) Benzo(k)fluoranthene	24.010	252	370337m	23.491	ng	
90) Benzo(a)pyrene	24.839	252	631417	46.549	ng	98
91) Dibenzo(a,h)anthracene	28.775	278	114034	6.971	ng	95
92) Benzo(g,h,i)perylene	29.915	276	401247	24.661	ng	97

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

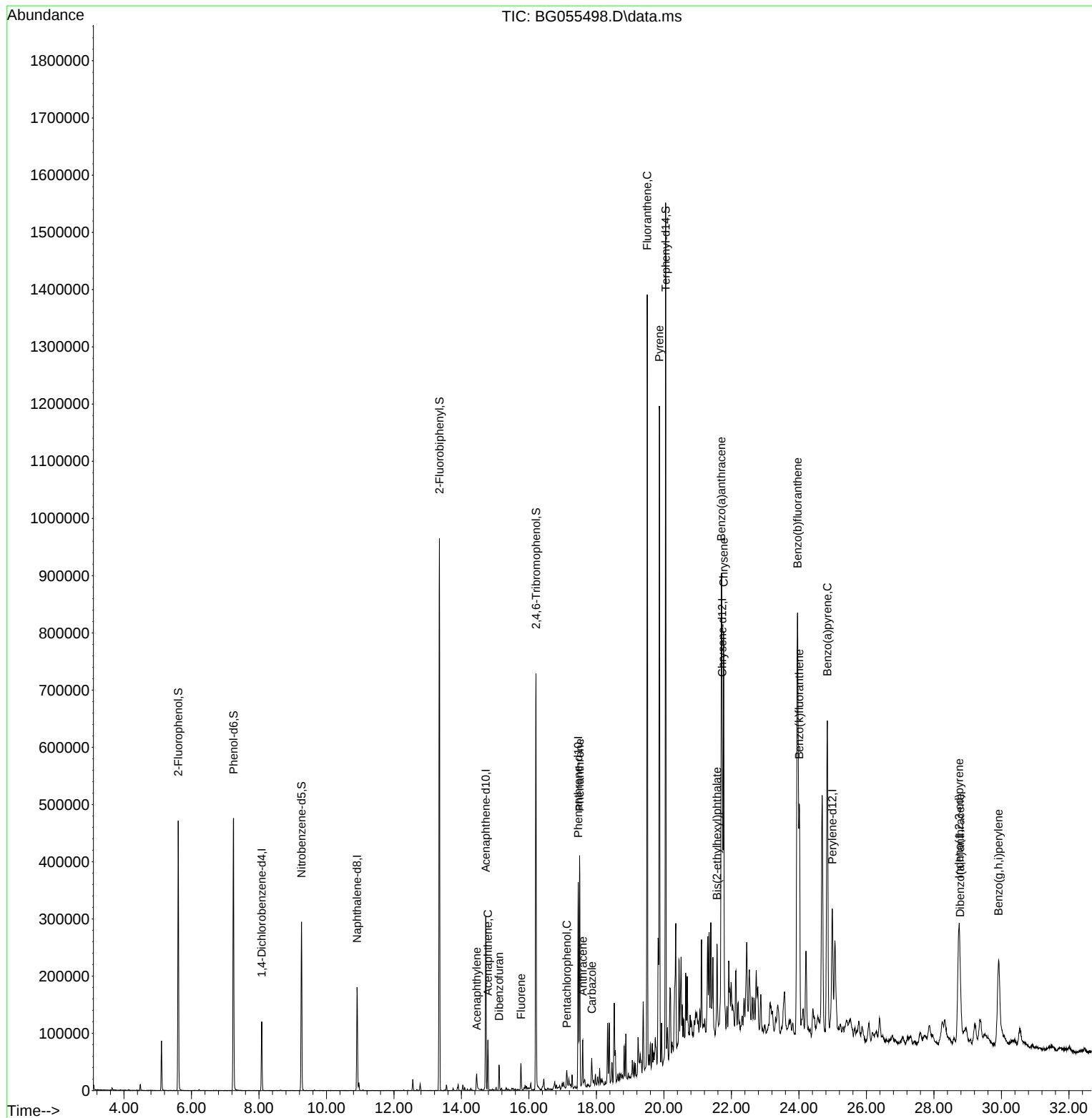
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110722\
Data File : BG055498.D
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ALS Vial : 16 Sample Multiplier: 1

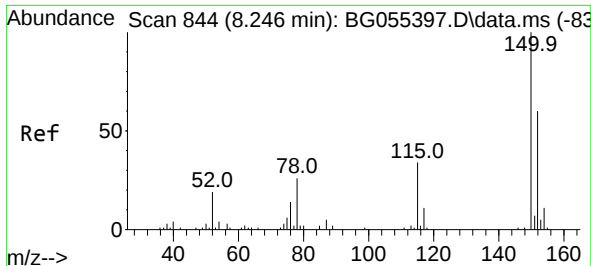
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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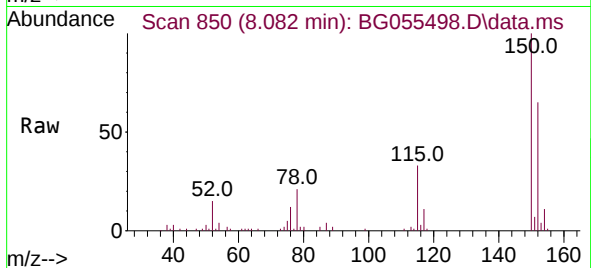
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.082 min Scan# 844
Delta R.T. -0.000 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

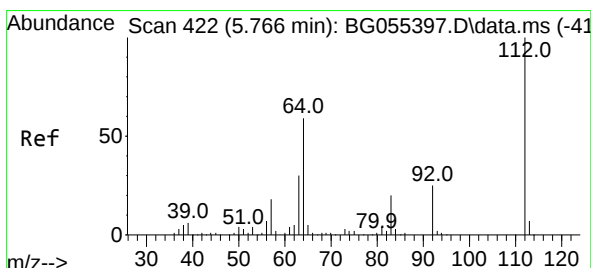
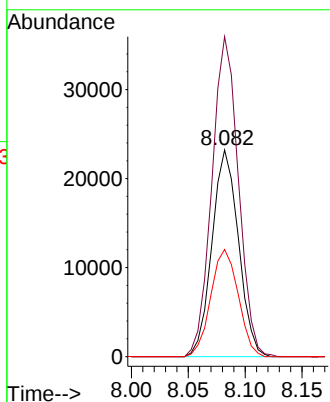
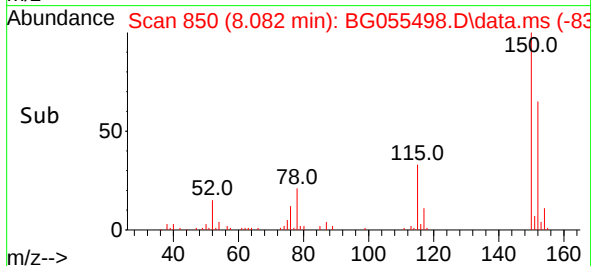
Instrument :
BNA_G
ClientSampleId :
VNJ-231



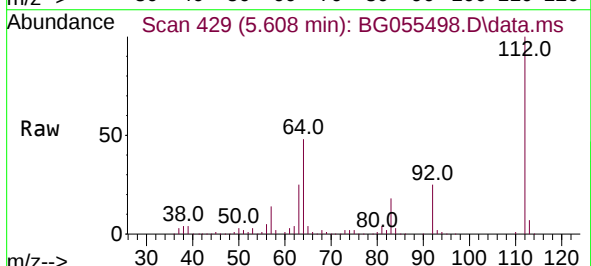
Tgt Ion:152 Resp: 37542
Ion Ratio Lower Upper
152 100
150 154.9 132.8 199.2
115 51.9 45.1 67.7

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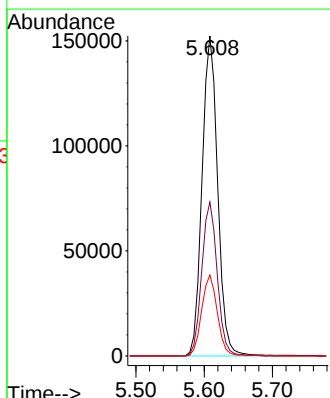
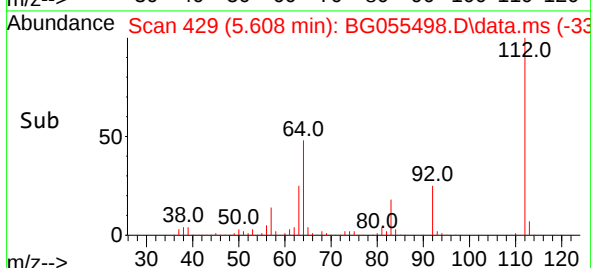
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

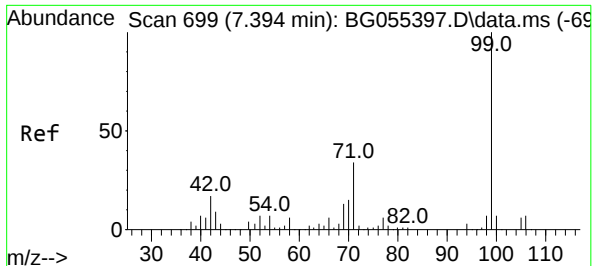


#5
2-Fluorophenol
Concen: 115.875 ng
RT: 5.608 min Scan# 429
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09



Tgt Ion:112 Resp: 242236
Ion Ratio Lower Upper
112 100
64 48.1 47.2 70.8
63 25.3 24.3 36.5





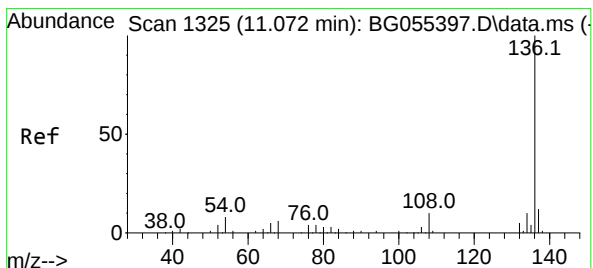
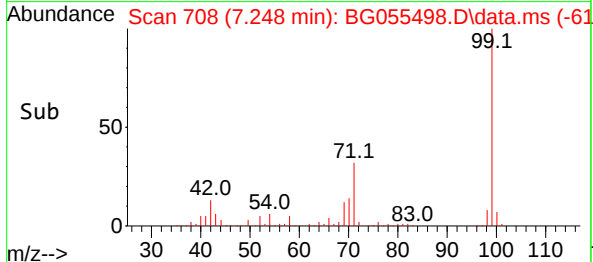
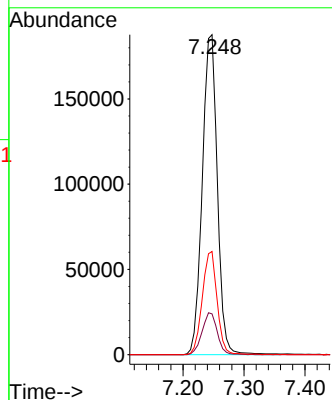
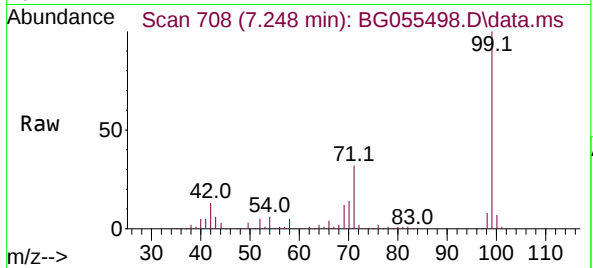
#7
Phenol-d6
Concen: 110.858 ng
RT: 7.248 min Scan# 70
Delta R.T. 0.005 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Tgt Ion: 99 Resp: 321375
Ion Ratio Lower Upper
99 100
42 12.7 13.5 20.3#
71 32.2 27.4 41.0#

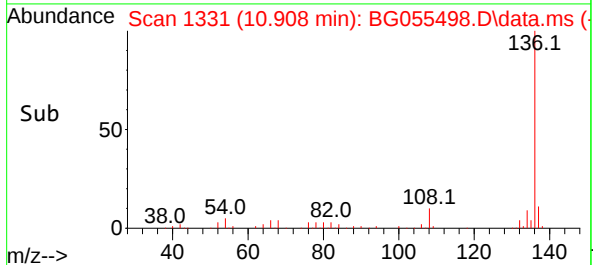
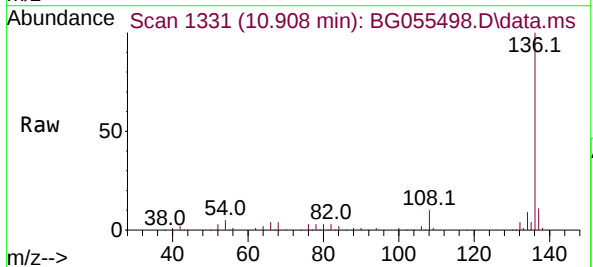
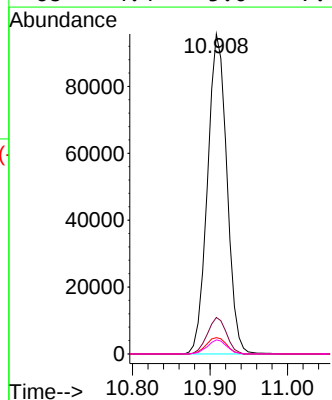
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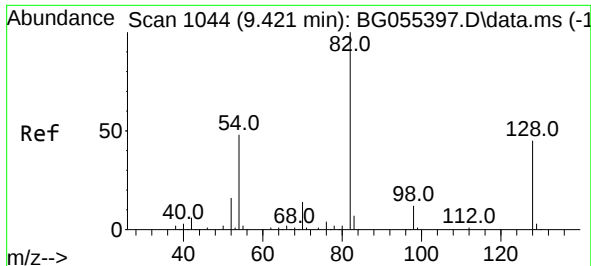
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.908 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:136 Resp: 165745
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 5.1 6.1 9.1#
68 4.4 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 60.627 ng

RT: 9.263 min Scan# 1044

Delta R.T. -0.001 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :

VNJ-231

Tgt Ion: 82 Resp: 188549

Ion Ratio Lower Upper

82 100

128 50.2 35.8 53.8

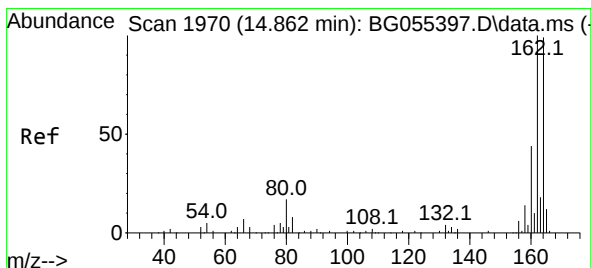
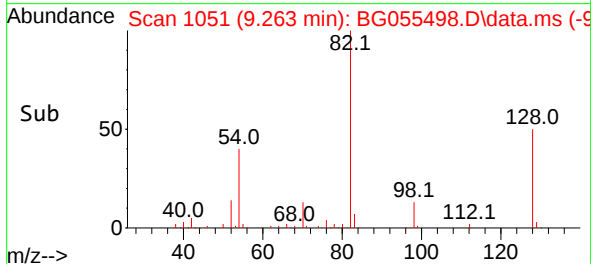
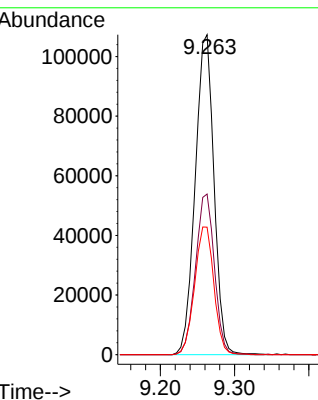
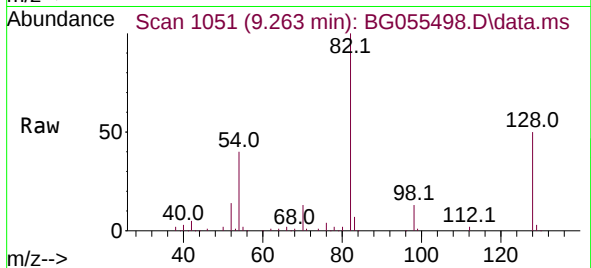
54 39.8 38.1 57.1

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Supervised By :Jagrut Upadhyay 11/08/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.721 min Scan# 1980

Delta R.T. -0.006 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

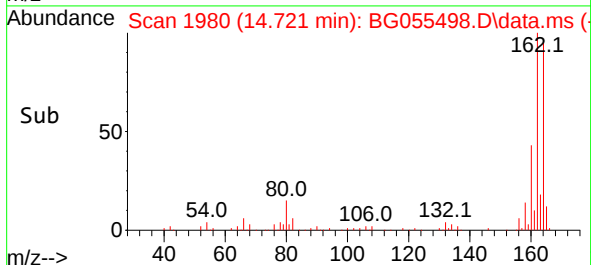
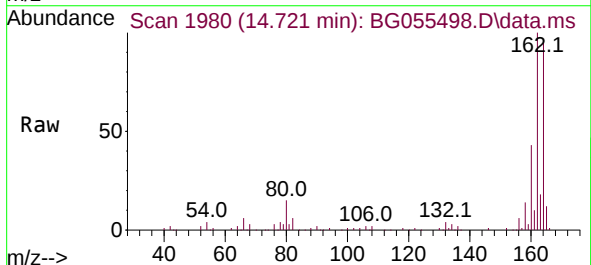
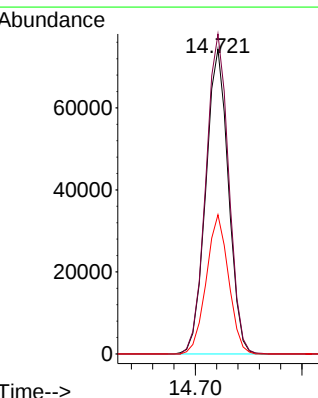
Tgt Ion:164 Resp: 109459

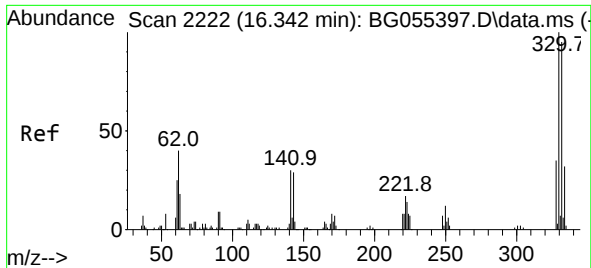
Ion Ratio Lower Upper

164 100

162 105.0 81.1 121.7

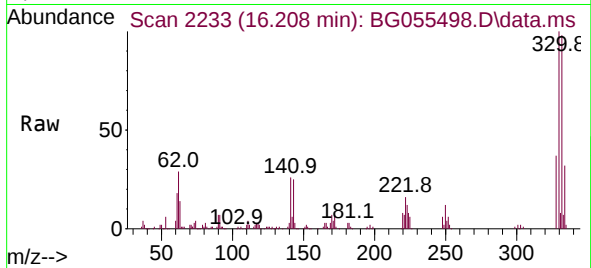
160 45.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 118.223 ng
RT: 16.208 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

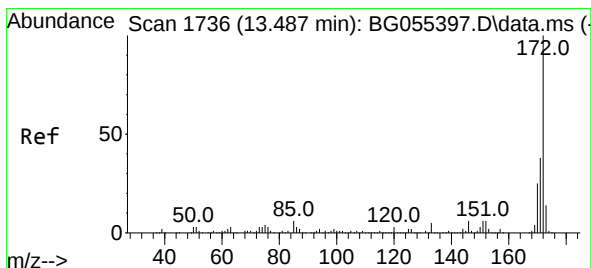
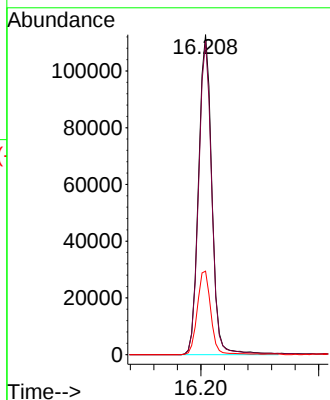
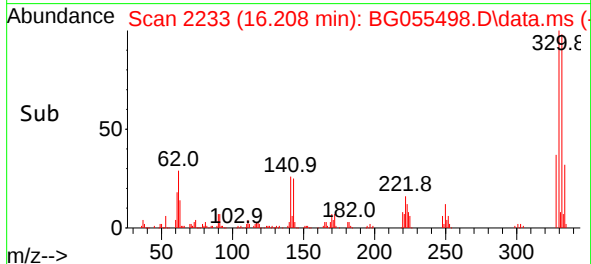
Instrument :
BNA_G
ClientSampleId :
VNJ-231



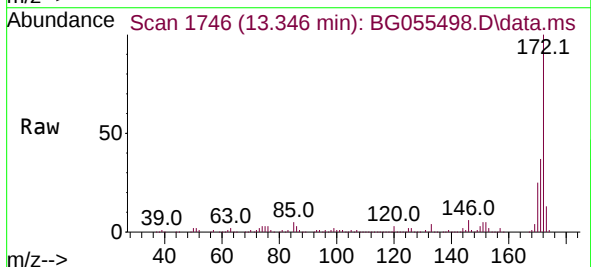
Tgt Ion:330 Resp: 176512
Ion Ratio Lower Upper
330 100
332 96.9 77.8 116.6
141 26.5 24.2 36.2

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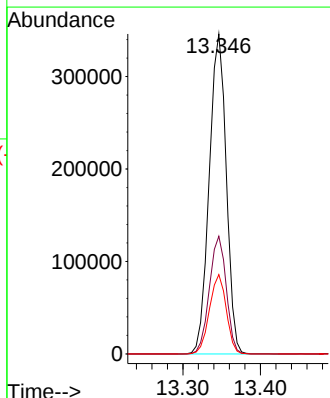
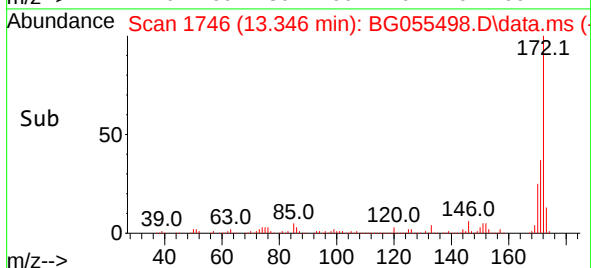
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

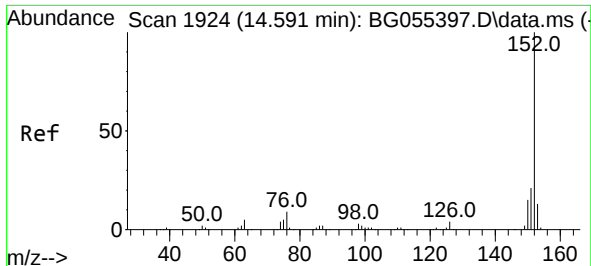


#45
2-Fluorobiphenyl
Concen: 71.446 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09



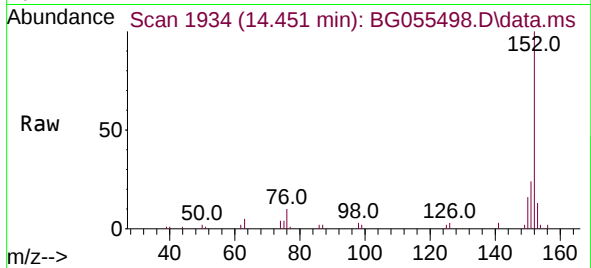
Tgt Ion:172 Resp: 527461
Ion Ratio Lower Upper
172 100
171 36.8 30.2 45.2
170 24.8 20.2 30.2





#49
Acenaphthylene
Concen: 3.393 ng
RT: 14.451 min Scan# 1924
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

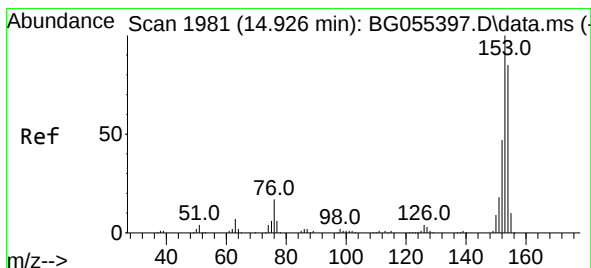
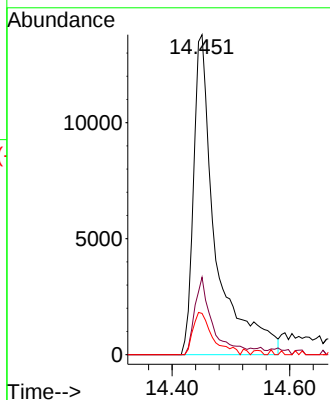
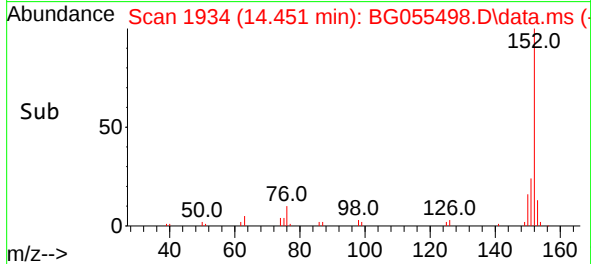
Instrument :
BNA_G
ClientSampleId :
VNJ-231



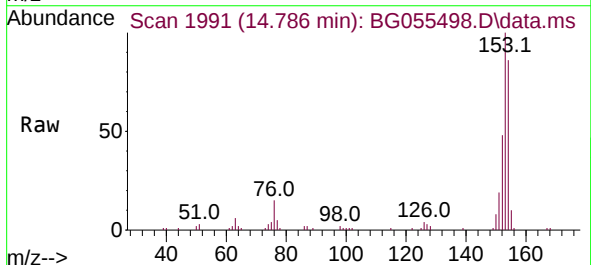
Tgt Ion:152 Resp: 36056
Ion Ratio Lower Upper
152 100
151 24.2 16.7 25.1
153 12.9 10.7 16.1

Manual Integrations
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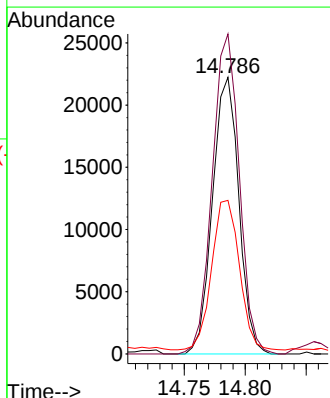
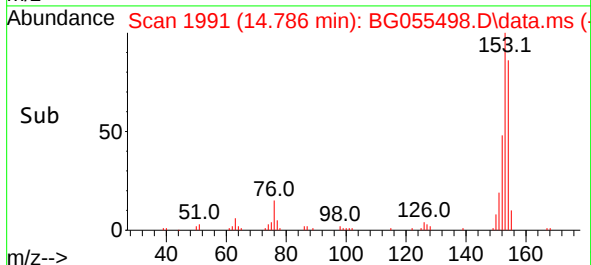
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

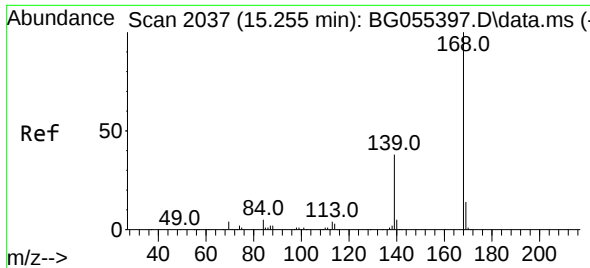


#52
Acenaphthene
Concen: 5.281 ng
RT: 14.786 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09



Tgt Ion:154 Resp: 33401
Ion Ratio Lower Upper
154 100
153 115.7 94.6 141.8
152 55.5 44.7 67.1





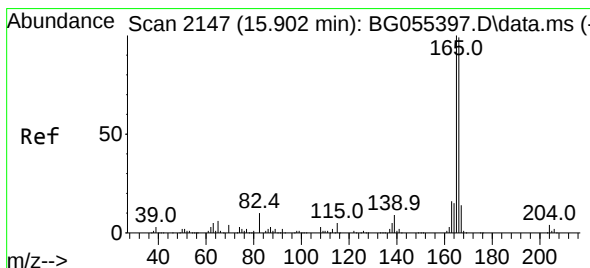
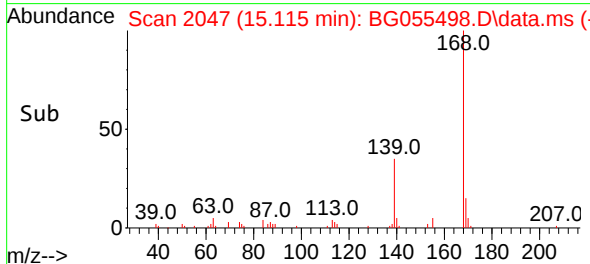
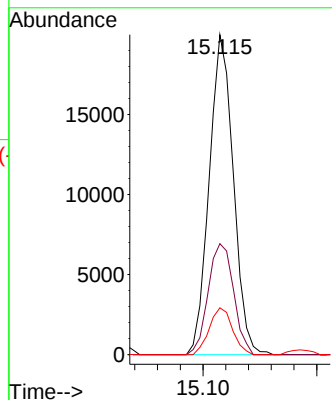
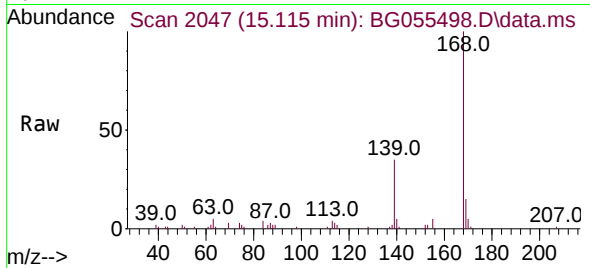
#55
Dibenzenofuran
Concen: 2.812 ng
RT: 15.115 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Tgt Ion:168 Resp: 2944
Ion Ratio Lower Upper
168 100
139 34.7 30.3 45.5
169 14.6 10.8 16.2

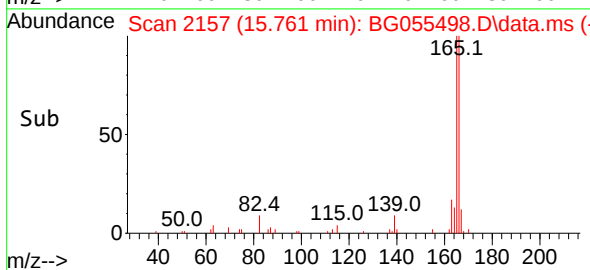
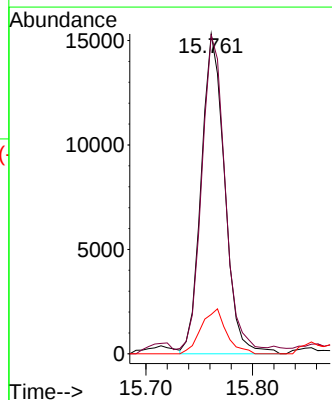
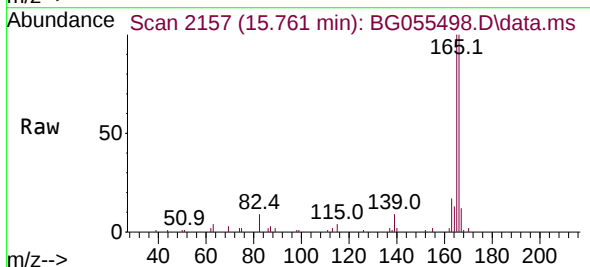
Manual Integrations
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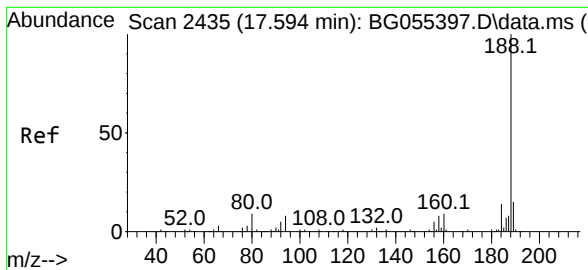
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022



#58
Fluorene
Concen: 2.747 ng
RT: 15.761 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

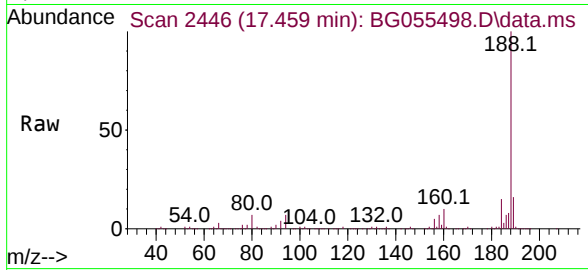
Tgt Ion:166 Resp: 23359
Ion Ratio Lower Upper
166 100
165 99.5 81.0 121.6
167 12.3 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.459 min Scan# 2435
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

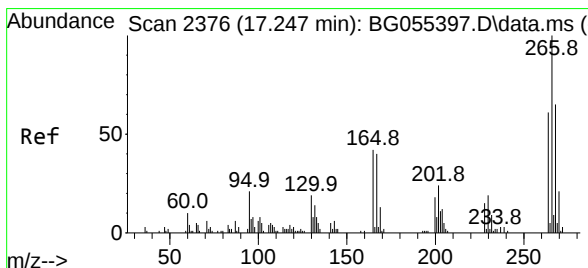
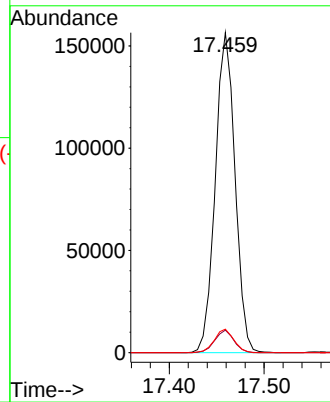
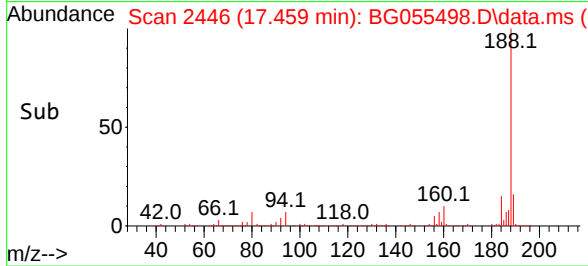
Instrument :
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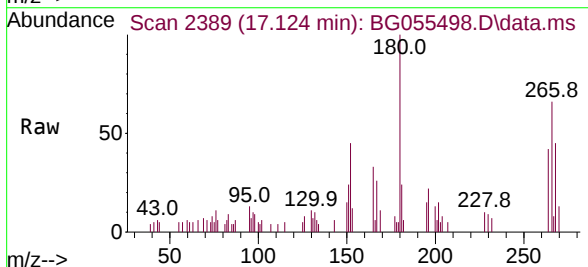
Tgt Ion:188 Resp: 226119
Ion Ratio Lower Upper
188 100
94 7.0 6.5 9.7
80 7.3 7.4 11.0

Manual Integrations
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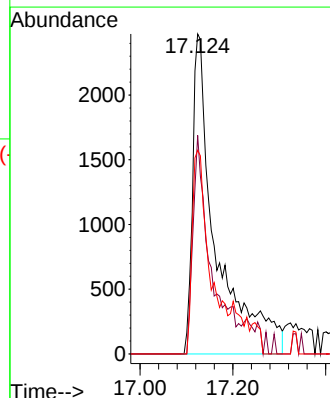
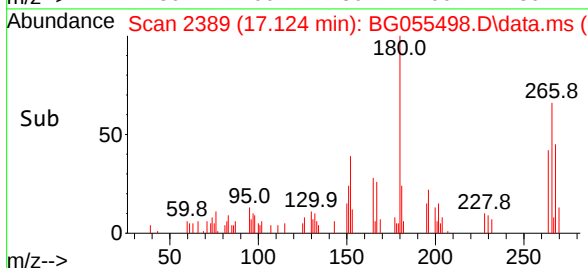
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

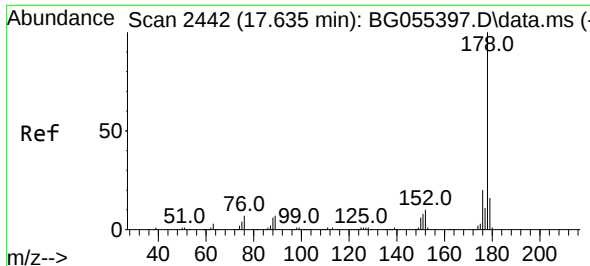


#70
Pentachlorophenol
Concen: 9.424 ng m
RT: 17.124 min Scan# 2389
Delta R.T. 0.005 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09



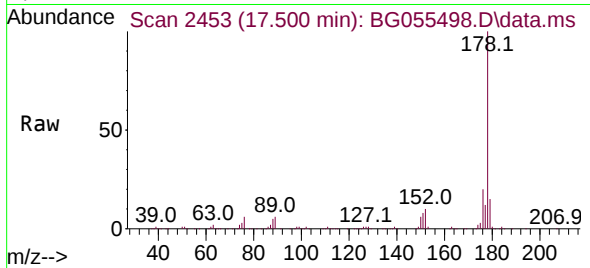
Tgt Ion:266 Resp: 8700
Ion Ratio Lower Upper
266 100
268 68.3 52.2 78.4
264 63.6 49.2 73.8





#71
Phenanthrene
Concen: 20.531 ng
RT: 17.500 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

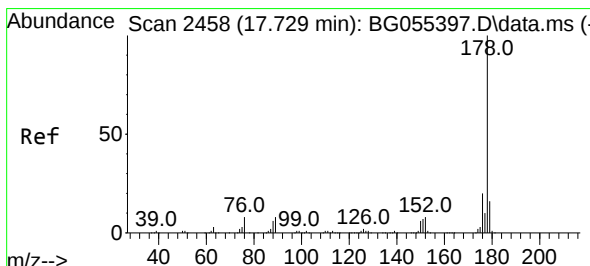
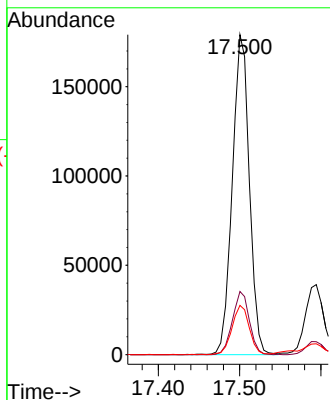
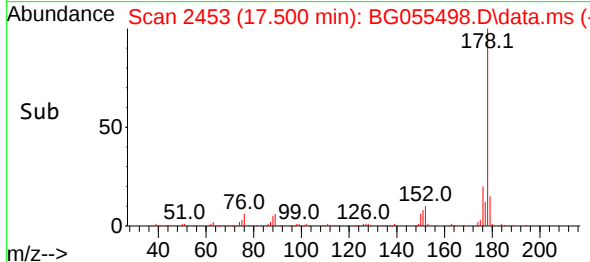
Instrument :
BNA_G
ClientSampleId :
VNJ-231



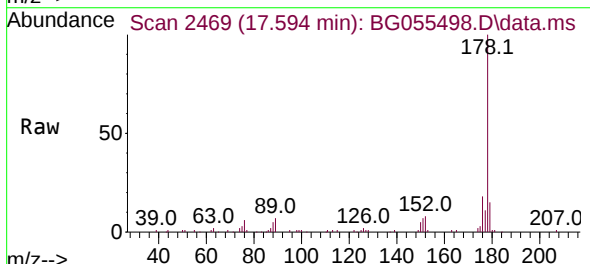
Tgt Ion:178 Resp: 261138
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.4 12.7 19.1

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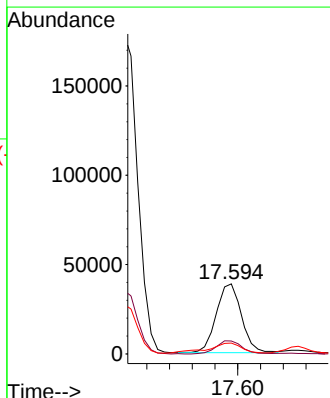
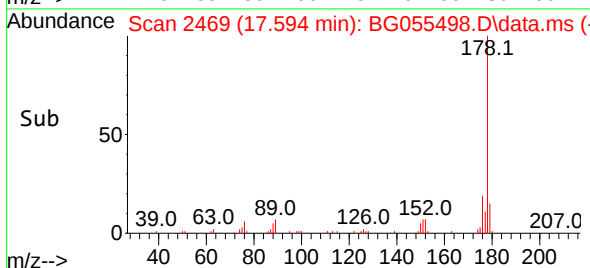
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

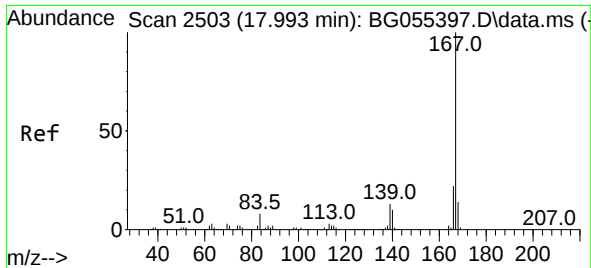


#72
Anthracene
Concen: 4.748 ng
RT: 17.594 min Scan# 2469
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09



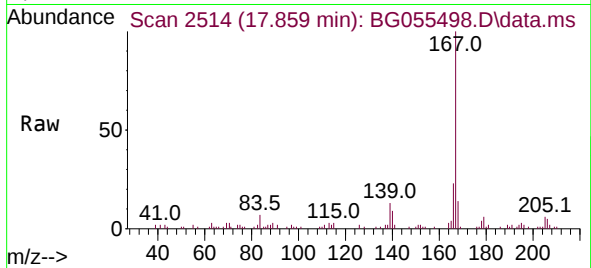
Tgt Ion:178 Resp: 59189
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.5 13.0 19.6





#73
 Carbazole
 Concen: 2.525 ng
 RT: 17.859 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

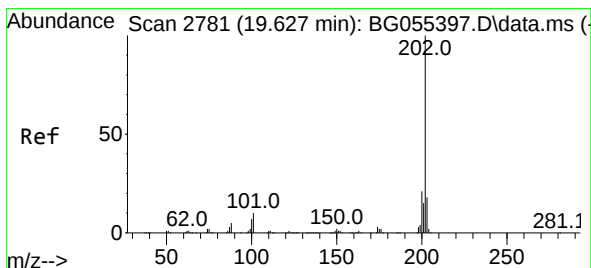
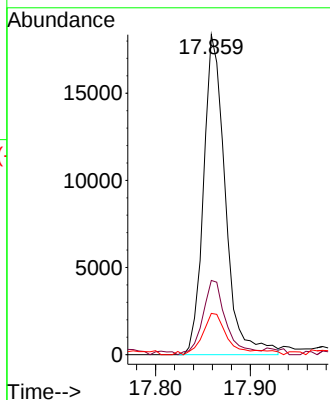
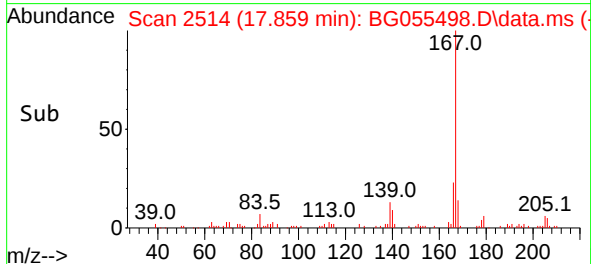
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231



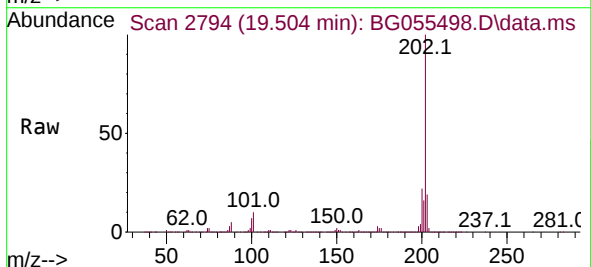
Tgt Ion:167 Resp: 2928
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.9 26.9
 139 12.9 10.4 15.6

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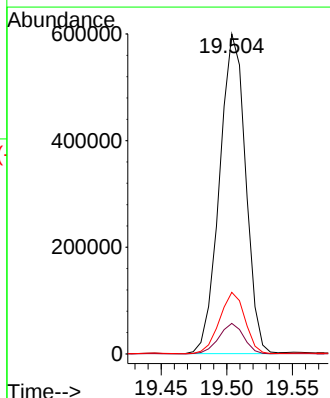
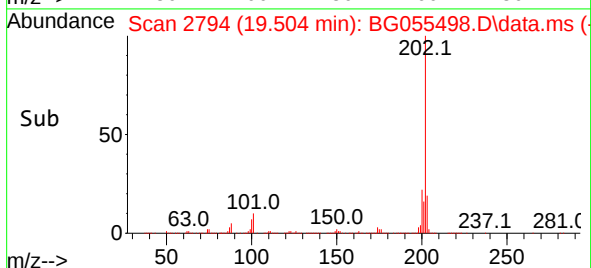
Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022

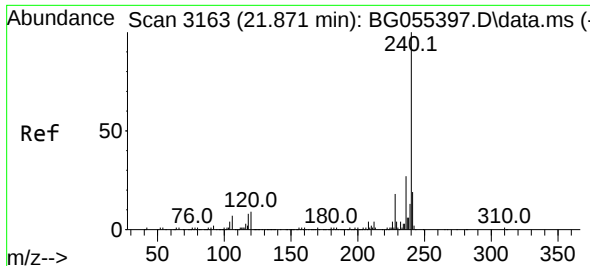


#75
 Fluoranthene
 Concen: 54.355 ng
 RT: 19.504 min Scan# 2794
 Delta R.T. -0.001 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09



Tgt Ion:202 Resp: 831585
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.8
 203 19.3 0.0 38.1





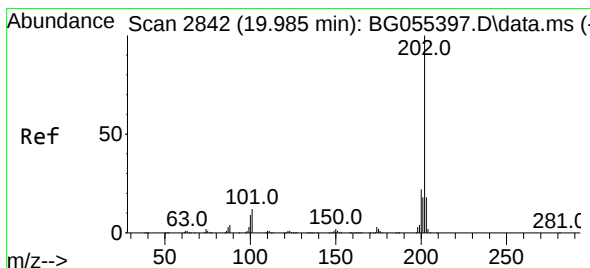
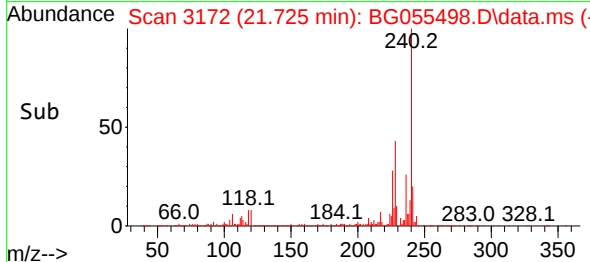
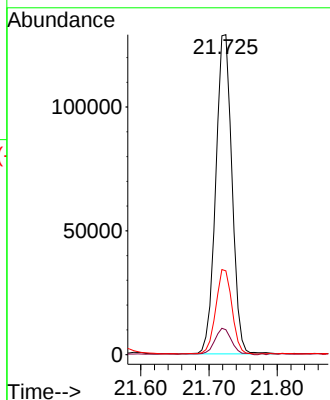
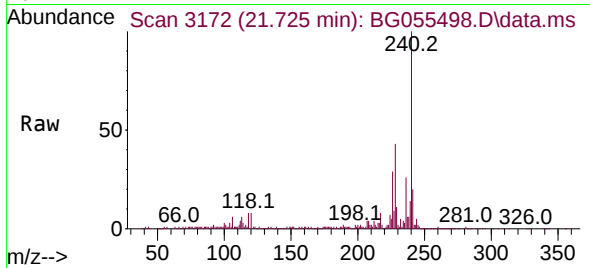
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.725 min Scan# 3163
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Instrument :
BNA_G
ClientSampleId :
VNJ-231

Tgt Ion:240 Resp: 21184
Ion Ratio Lower Upper
240 100
120 7.8 6.9 10.3
236 26.2 21.5 32.3

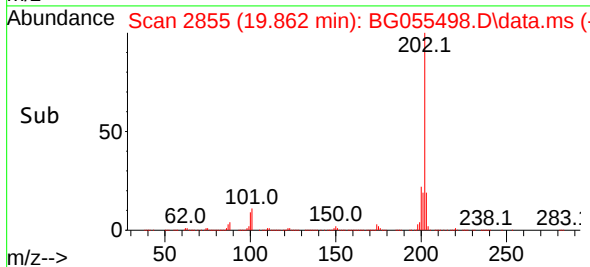
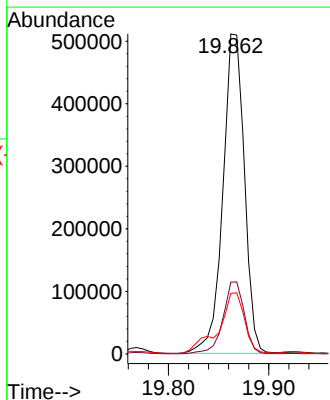
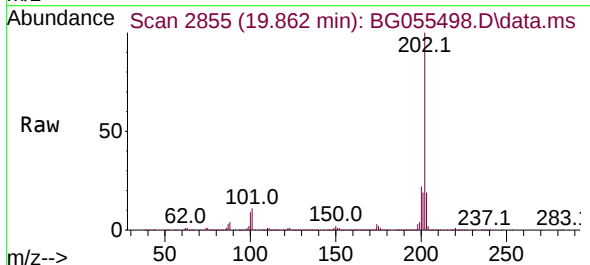
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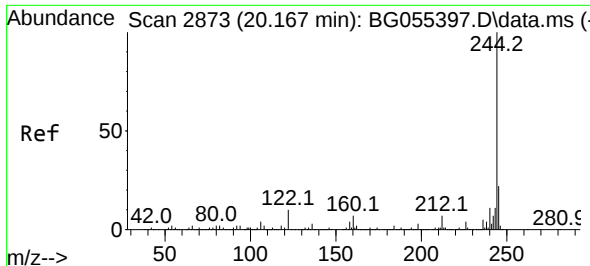
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022



#78
Pyrene
Concen: 50.934 ng
RT: 19.862 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

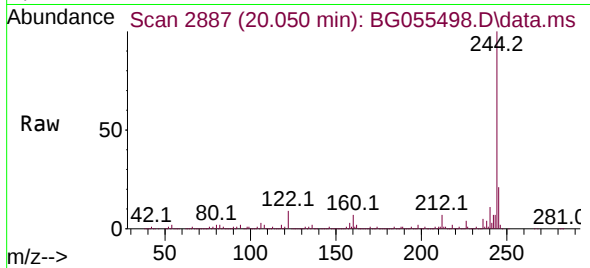
Tgt Ion:202 Resp: 761176
Ion Ratio Lower Upper
202 100
200 22.4 17.4 26.2
203 18.9 14.7 22.1





#79
 Terphenyl-d14
 Concen: 68.217 ng
 RT: 20.050 min Scan# 2873
 Delta R.T. -0.001 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

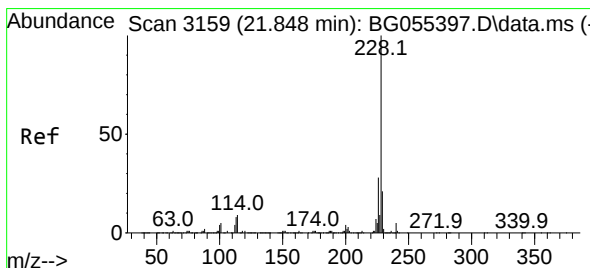
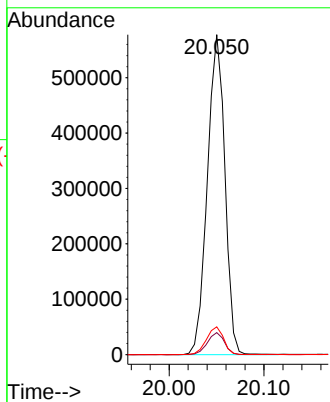
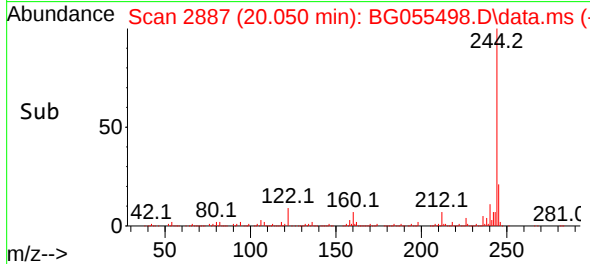
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231



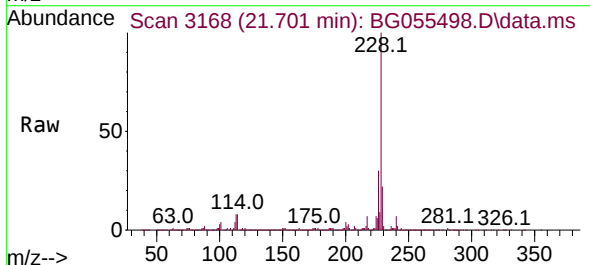
Tgt Ion:244 Resp: 743162
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 8.7 7.8 11.6

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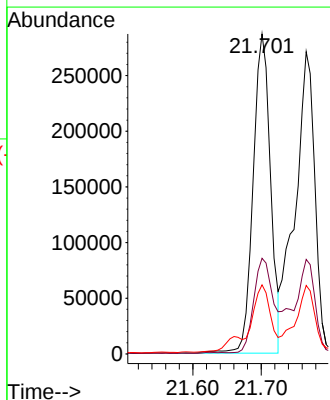
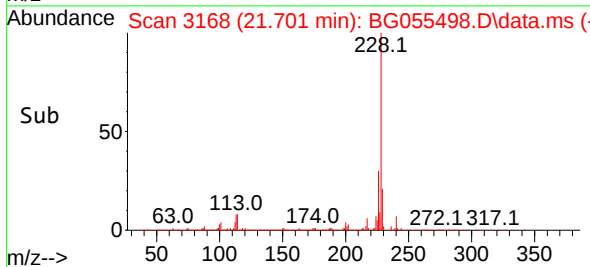
Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022

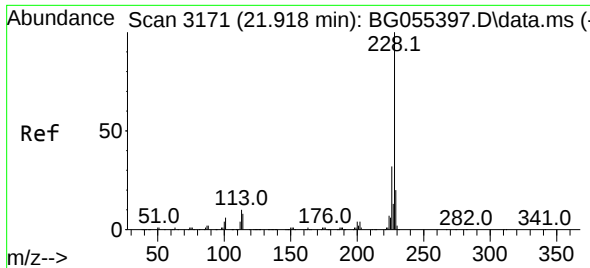


#81
 Benzo(a)anthracene
 Concen: 35.036 ng
 RT: 21.701 min Scan# 3168
 Delta R.T. -0.001 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09



Tgt Ion:228 Resp: 509494
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 21.6 16.5 24.7





#83

Chrysene

Concen: 39.648 ng

RT: 21.766 min Scan# 3171

Delta R.T. -0.006 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :

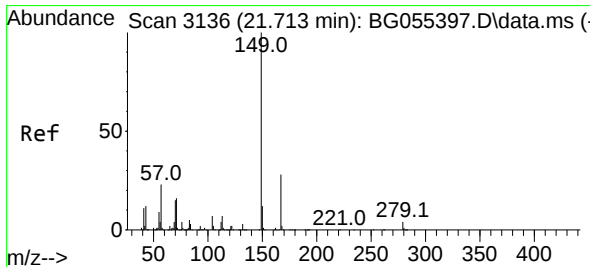
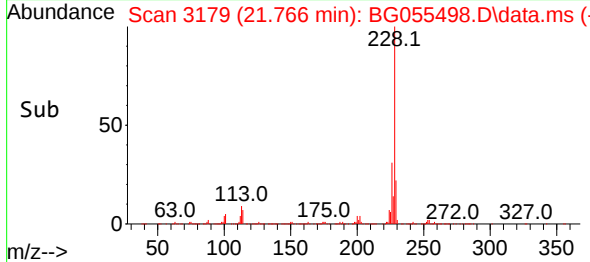
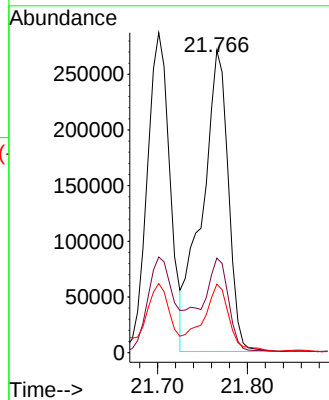
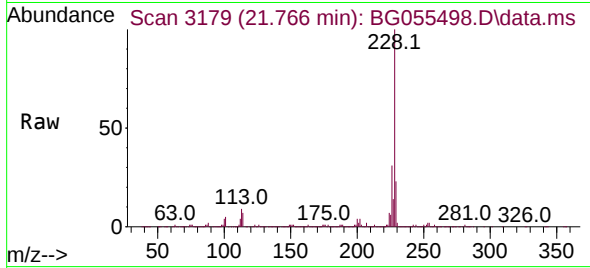
VNJ-231

Tgt Ion:228 Resp: 550065
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.2 37.8
 229 22.6 16.2 24.2

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 Supervised By :Jagrut Upadhyay 11/08/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.570 ng

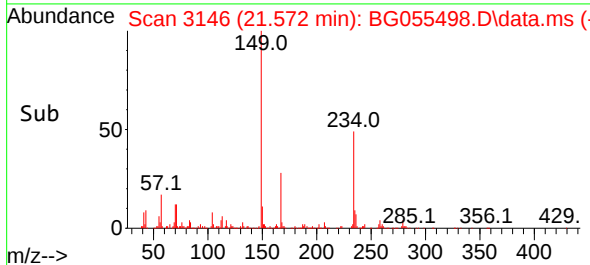
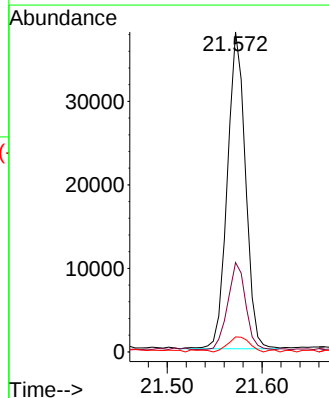
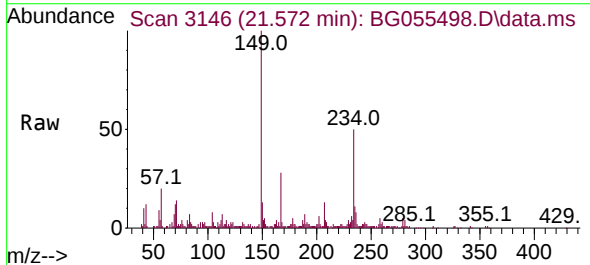
RT: 21.572 min Scan# 3146

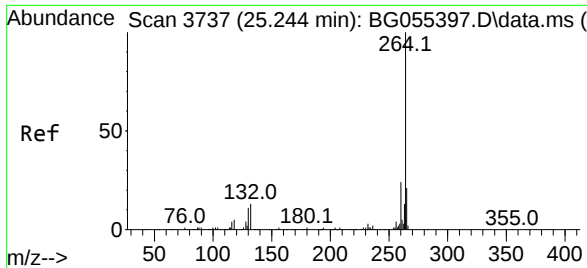
Delta R.T. -0.006 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

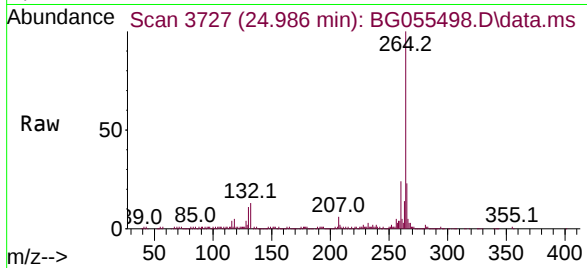
Tgt Ion:149 Resp: 50445
 Ion Ratio Lower Upper
 149 100
 167 27.9 22.0 33.0
 279 4.7 3.4 5.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

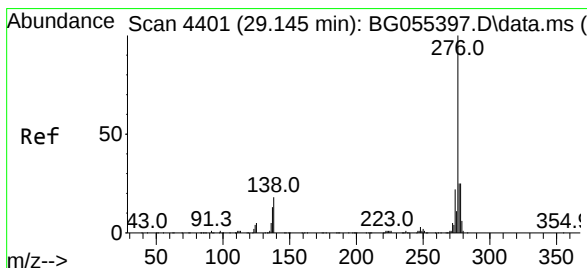
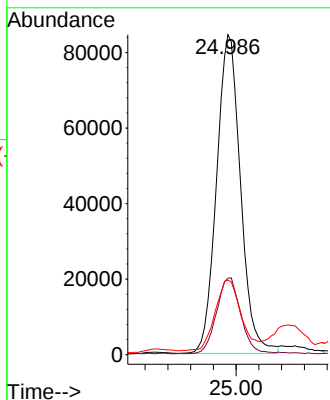
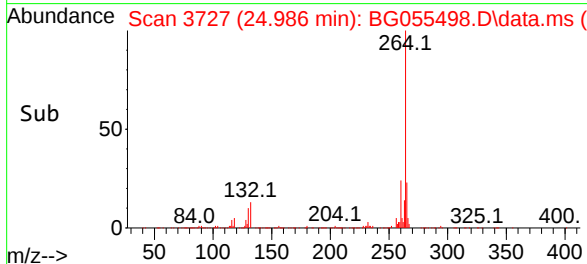
Instrument :
BNA_G
ClientSampleId :
VNJ-231



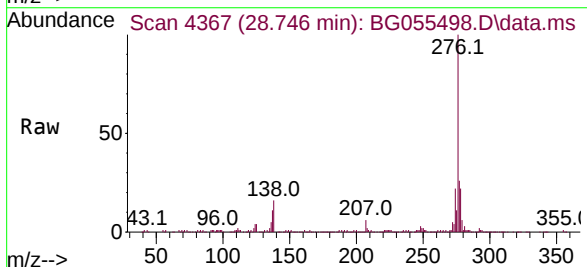
Tgt Ion:264 Resp: 246972
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 23.3 17.1 25.7

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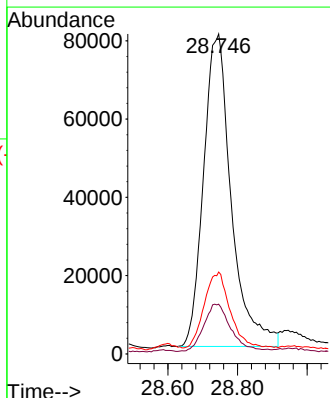
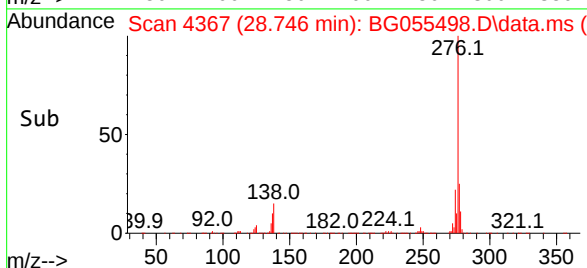
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

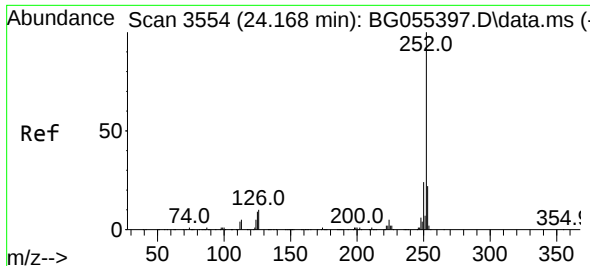


#87
Indeno(1,2,3-cd)pyrene
Concen: 22.245 ng
RT: 28.746 min Scan# 4367
Delta R.T. -0.001 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09



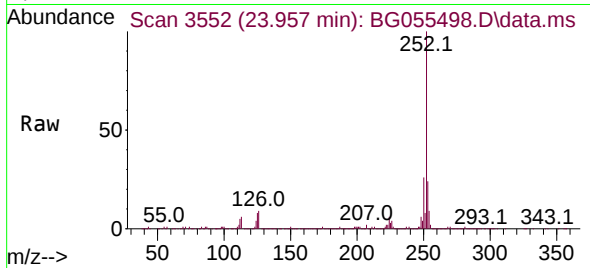
Tgt Ion:276 Resp: 441095
Ion Ratio Lower Upper
276 100
138 14.8 16.2 24.2#
277 22.8 20.5 30.7





#88
Benzo(b)fluoranthene
Concen: 62.083 ng
RT: 23.957 min Scan# 3552
Delta R.T. 0.011 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

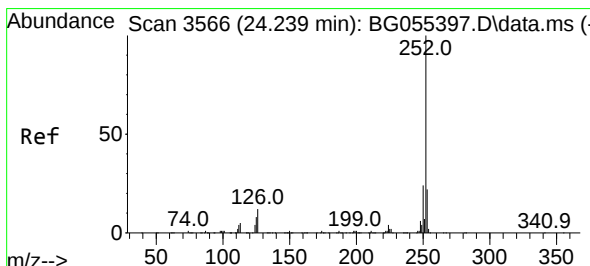
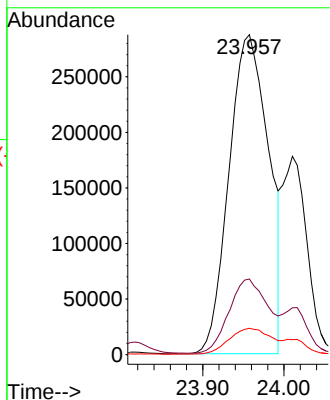
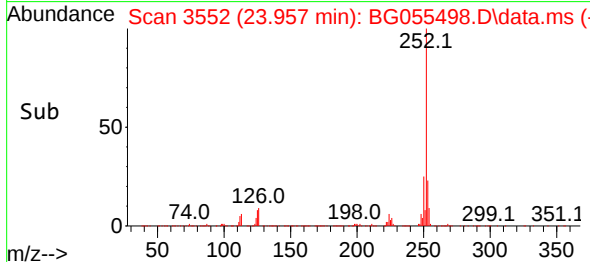
Instrument :
BNA_G
ClientSampleId :
VNJ-231



Tgt Ion:252 Resp: 973940
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 8.2 6.8 10.2

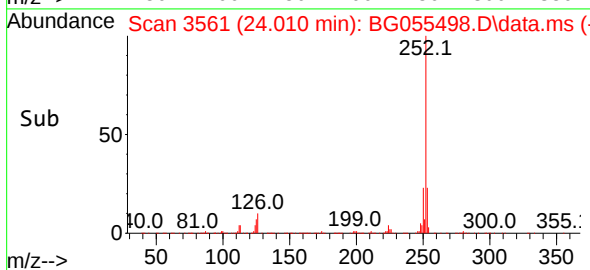
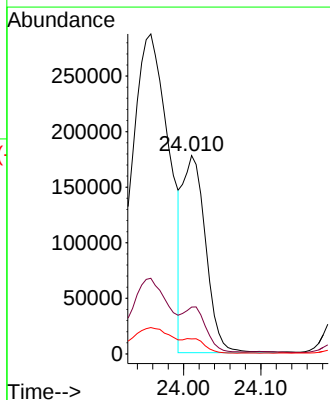
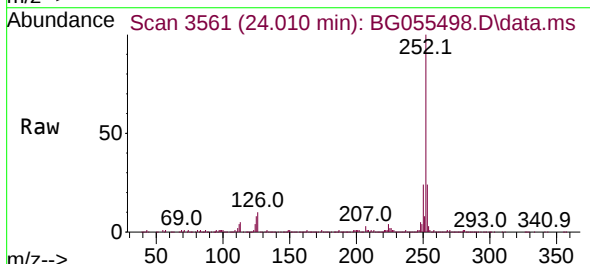
Manual Integrations
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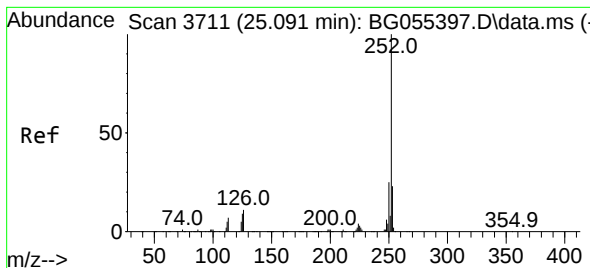
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022



#89
Benzo(k)fluoranthene
Concen: 23.491 ng m
RT: 24.010 min Scan# 3561
Delta R.T. -0.006 min
Lab File: BG055498.D
Acq: 8 Nov 2022 5:09

Tgt Ion:252 Resp: 370337
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 7.6 6.9 10.3





#90

Benzo(a)pyrene

Concen: 46.549 ng

RT: 24.839 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

Instrument :

BNA_G

ClientSampleId :

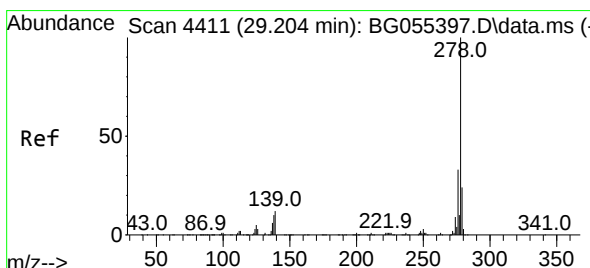
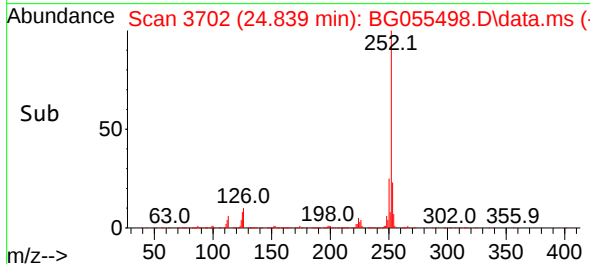
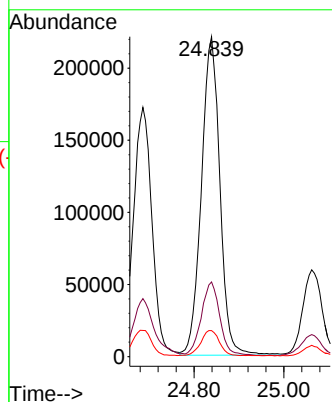
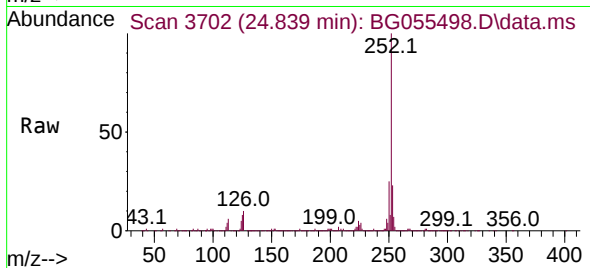
VNJ-231

Tgt Ion:252 Resp: 63141
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.2 27.2
 125 8.1 7.1 10.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022



#91

Dibenzo(a,h)anthracene

Concen: 6.971 ng

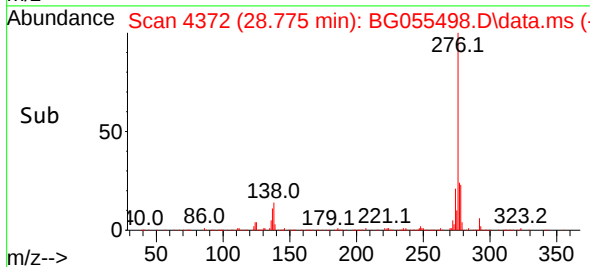
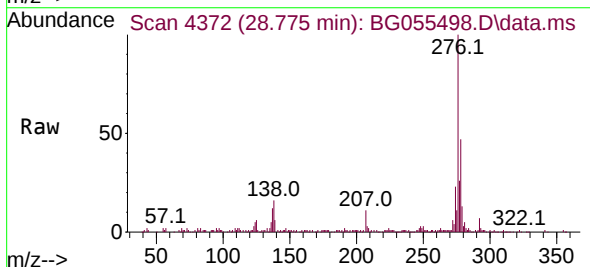
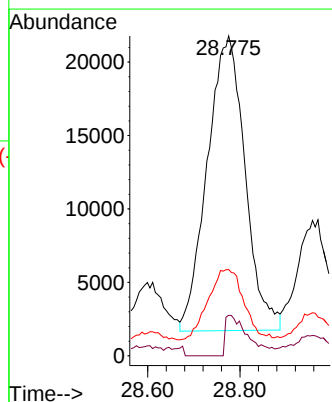
RT: 28.775 min Scan# 4372

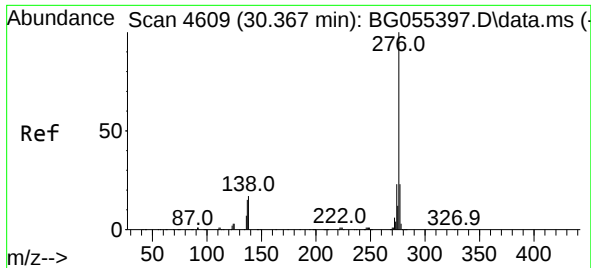
Delta R.T. -0.024 min

Lab File: BG055498.D

Acq: 8 Nov 2022 5:09

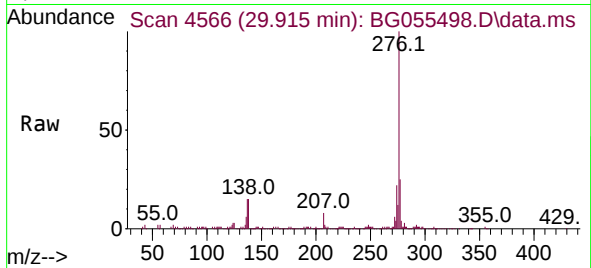
Tgt Ion:278 Resp: 114034
 Ion Ratio Lower Upper
 278 100
 139 12.7 9.9 14.9
 279 27.0 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 24.661 ng
 RT: 29.915 min Scan# 4566
 Delta R.T. -0.012 min
 Lab File: BG055498.D
 Acq: 8 Nov 2022 5:09

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231



Tgt Ion:276 Resp: 40124
 Ion Ratio Lower Upper
 276 100
 277 25.1 18.6 28.0
 138 15.5 13.4 20.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022

