

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111522\
 Data File : BG055638.D
 Acq On : 16 Nov 2022 1:58
 Operator : CG/JU
 Sample : N5481-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/16/2022
 Supervised By : Jagrut Upadhyay 11/16/2022

Quant Time: Nov 16 03:18:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 01:36:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.254	152	54655	20.000	ng	0.00
21) Naphthalene-d8	11.086	136	252145	20.000	ng	0.00
39) Acenaphthene-d10	14.876	164	184526	20.000	ng	0.00
64) Phenanthrene-d10	17.620	188	405272	20.000	ng	0.00
76) Chrysene-d12	21.921	240	373292	20.000	ng	0.00
86) Perylene-d12	25.346	264	408705	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.781	112	395965	137.994	ng	0.00
7) Phenol-d6	7.397	99	549877	138.730	ng	0.00
23) Nitrobenzene-d5	9.430	82	335199	90.122	ng	0.00
42) 2,4,6-Tribromophenol	16.363	330	279052	154.992	ng	0.00
45) 2-Fluorobiphenyl	13.507	172	830953	67.926	ng	0.00
79) Terphenyl-d14	20.211	244	1273263	68.510	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.606	152	74943	4.344	ng	99
52) Acenaphthene	14.941	154	56683	5.263	ng	95
55) Dibenzofuran	15.270	168	50218	2.916	ng	99
58) Fluorene	15.916	166	39307	2.869	ng	97
70) Pentachlorophenol	17.262	266	18960	7.041	ng	93
71) Phenanthrene	17.661	178	451116	20.712	ng	99
72) Anthracene	17.749	178	101899	4.774	ng	99
73) Carbazole	18.014	167	55291	2.866	ng	97
75) Fluoranthene	19.665	202	1457297	56.106	ng	98
78) Pyrene	20.023	202	1343473	53.177	ng	97
81) Benzo(a)anthracene	21.903	228	893843	34.958	ng	94
83) Chrysene	21.974	228	971034	39.938	ng	98
84) Bis(2-ethylhexyl)phtha...	21.780	149	85330	6.692	ng	97
87) Indeno(1,2,3-cd)pyrene	29.283	276	802679	25.786	ng	98
88) Benzo(b)fluoranthene	24.259	252	1728319	66.741	ng	98
89) Benzo(k)fluoranthene	24.318	252	533780m	20.162	ng	
90) Benzo(a)pyrene	25.188	252	1041185	46.676	ng	98
91) Dibenzo(a,h)anthracene	29.330	278	207365	8.048	ng	97
92) Benzo(g,h,i)perylene	30.522	276	735010	29.180	ng	99

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

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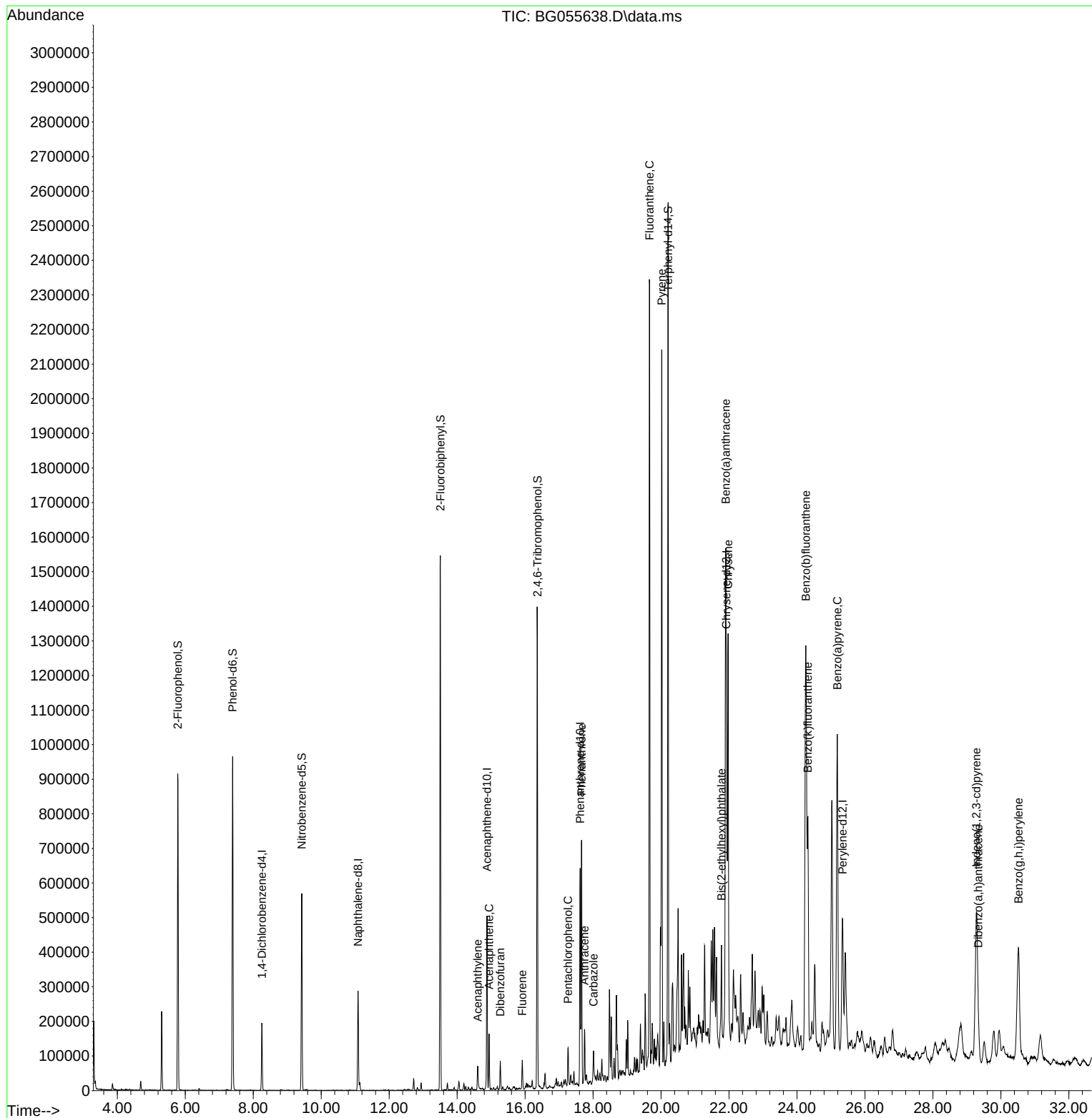
VNJ-231RE

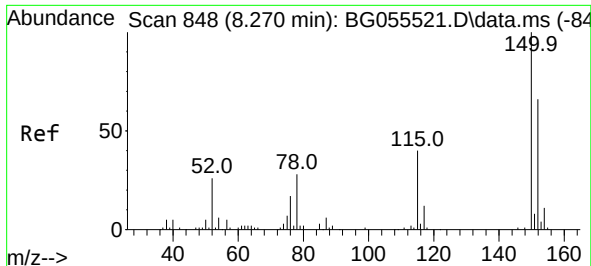
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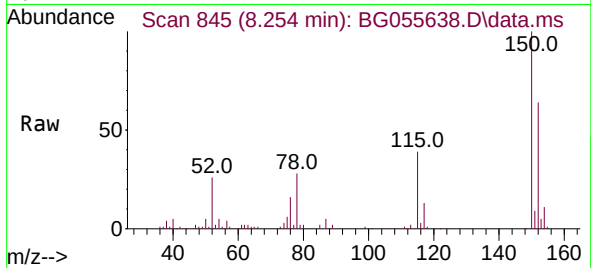
Reviewed By : Christian Giraldo 11/16/2022
Supervised By : Jagrut Upadhyay 11/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.254 min Scan# 84
Delta R.T. -0.007 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

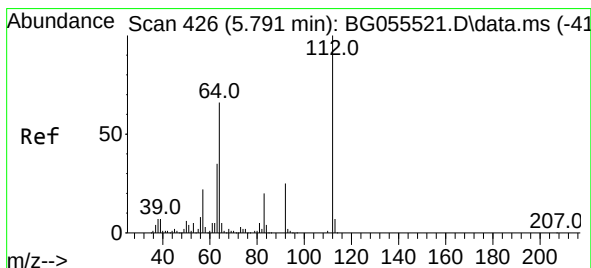
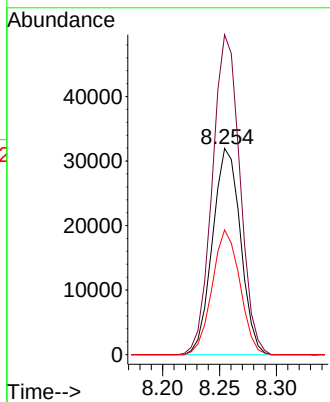
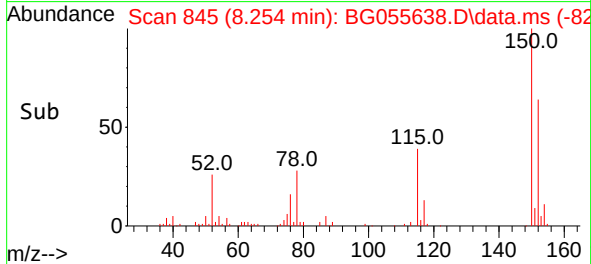
Instrument :
BNA_G
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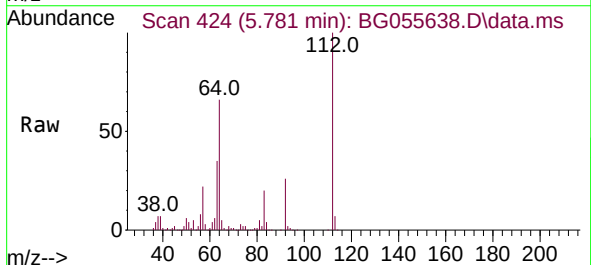
Tgt Ion:152 Resp: 5465
Ion Ratio Lower Upper
152 100
150 155.2 121.0 181.4
115 60.5 47.8 71.8

Manual Integrations
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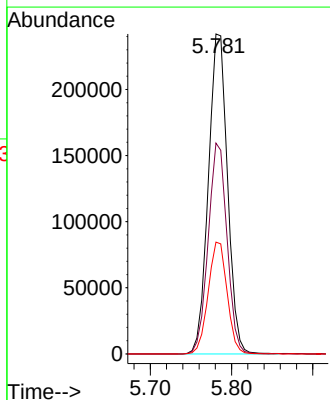
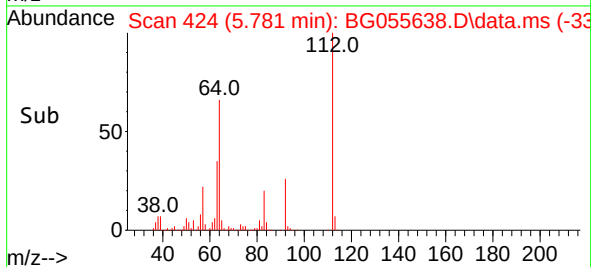
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022

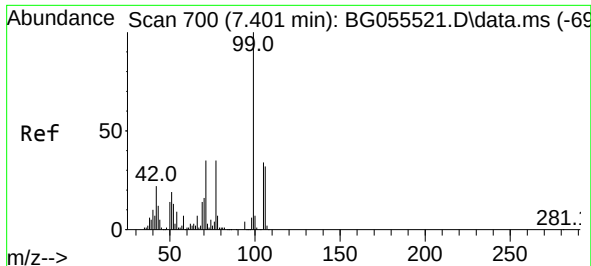


#5
2-Fluorophenol
Concen: 137.994 ng
RT: 5.781 min Scan# 424
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



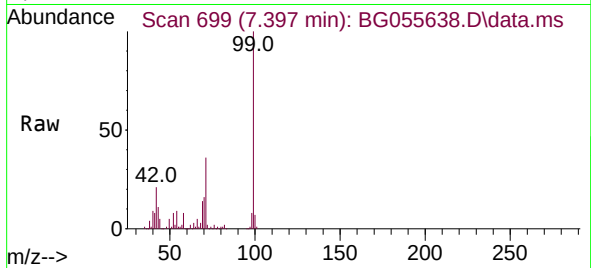
Tgt Ion:112 Resp: 395965
Ion Ratio Lower Upper
112 100
64 65.9 52.6 78.8
63 34.9 28.3 42.5





#7
Phenol-d6
Concen: 138.730 ng
RT: 7.397 min Scan# 699
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

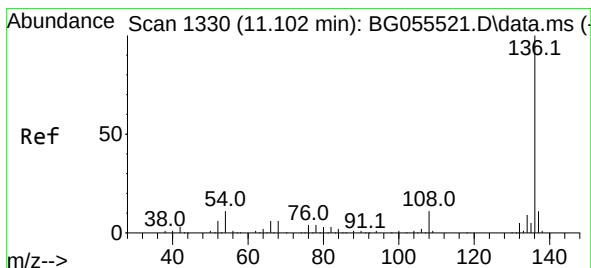
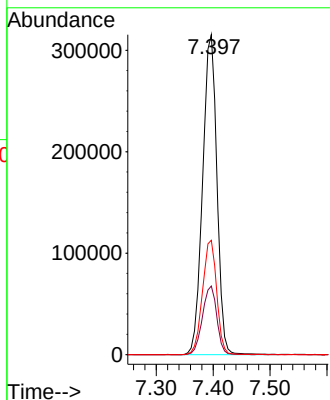
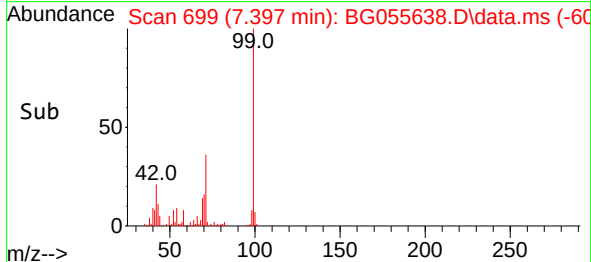
Instrument :
BNA_G
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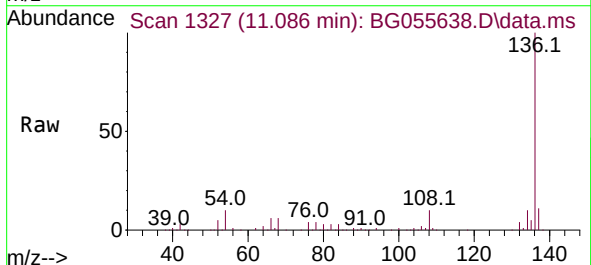
Tgt Ion: 99 Resp: 549872
Ion Ratio Lower Upper
99 100
42 21.4 17.5 26.3
71 35.7 28.3 42.5

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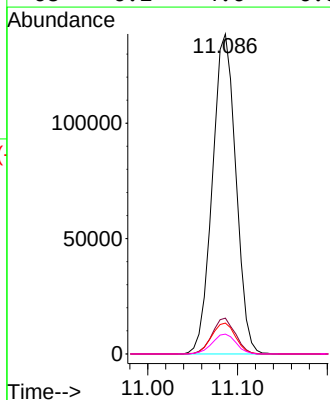
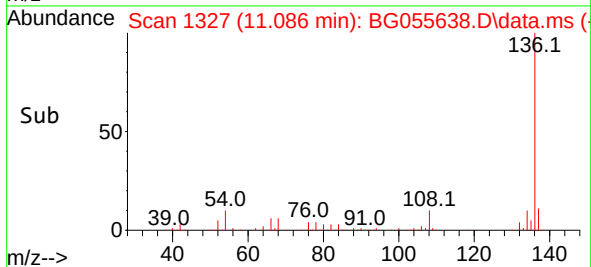
Reviewed By :Christian Giraldo 11/16/2022
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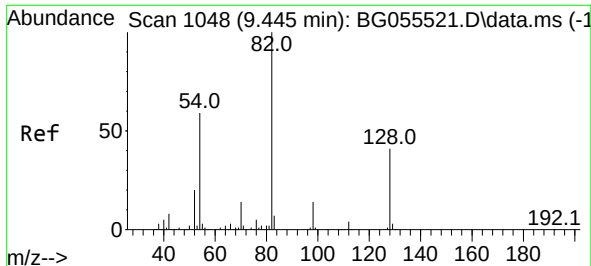


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.086 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



Tgt Ion:136 Resp: 252145
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 9.6 8.6 12.8
68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 90.122 ng

RT: 9.430 min Scan# 1045

Delta R.T. -0.000 min

Lab File: BG055638.D

Acq: 16 Nov 2022 1:58

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

Tgt Ion: 82 Resp: 335199

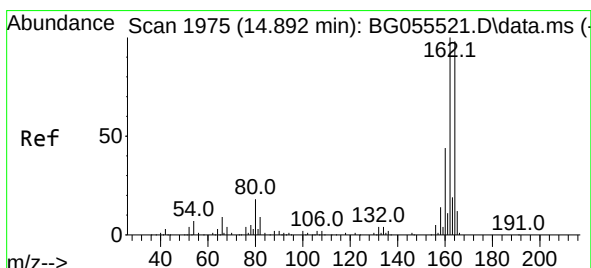
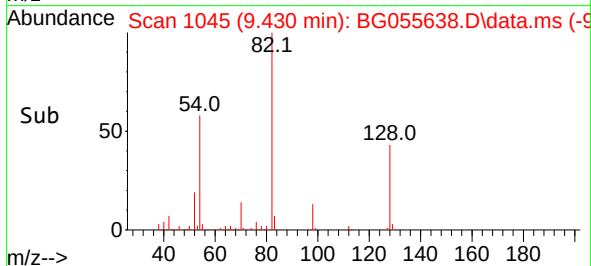
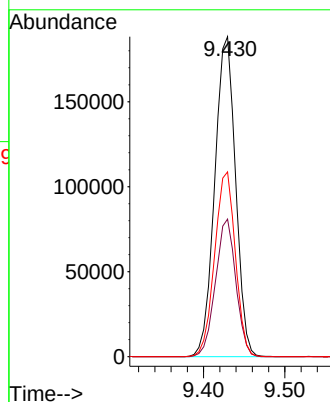
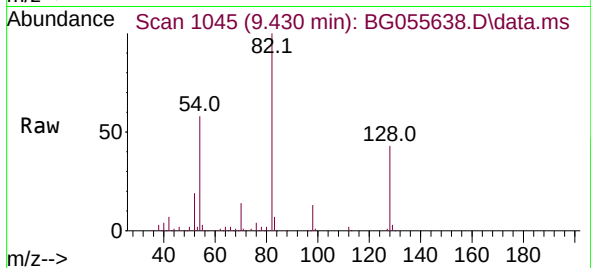
Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.6	49.0
54	57.7	47.3	70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.876 min Scan# 1972

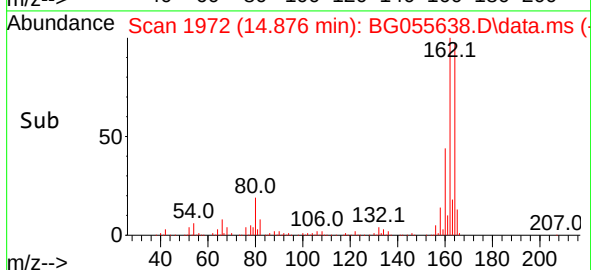
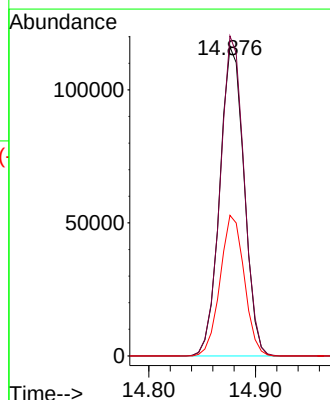
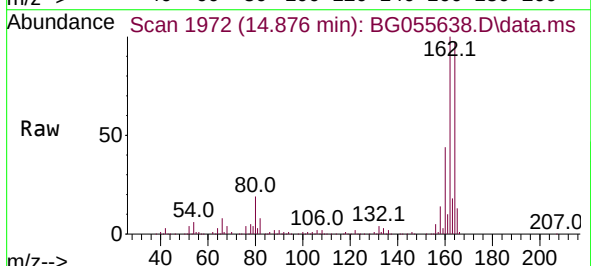
Delta R.T. -0.006 min

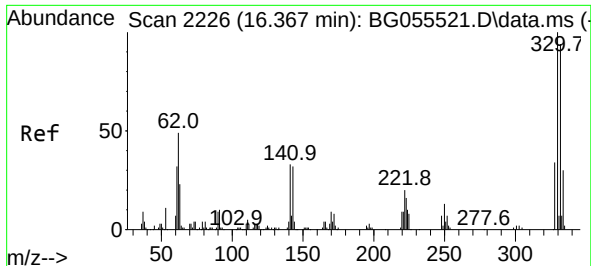
Lab File: BG055638.D

Acq: 16 Nov 2022 1:58

Tgt Ion:164 Resp: 184526

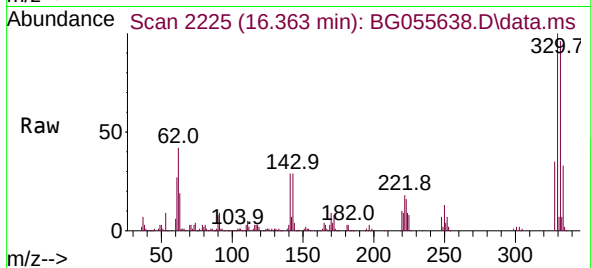
Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.3	121.9
160	45.5	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 154.992 ng
RT: 16.363 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

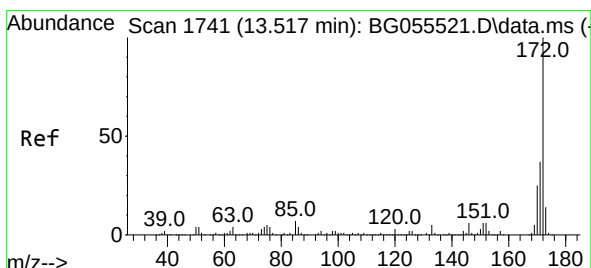
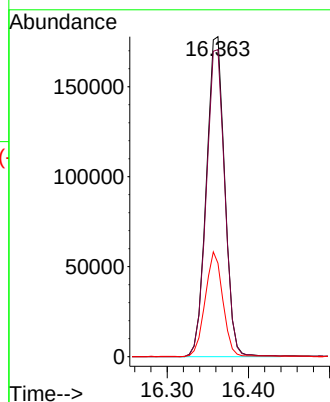
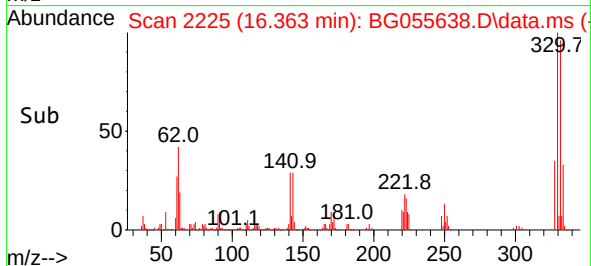
Instrument :
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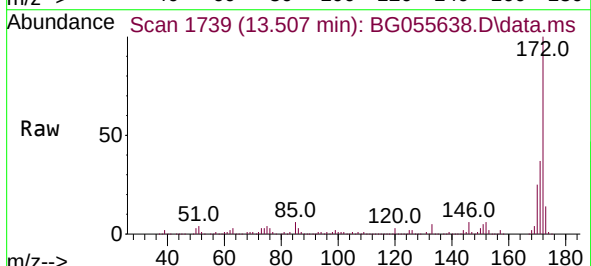
Tgt Ion:330 Resp: 279052
Ion Ratio Lower Upper
330 100
332 97.0 77.4 116.2
141 31.5 25.4 38.2

Manual Integrations
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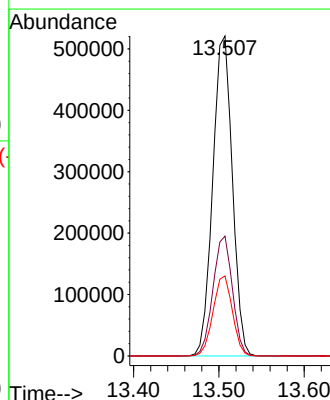
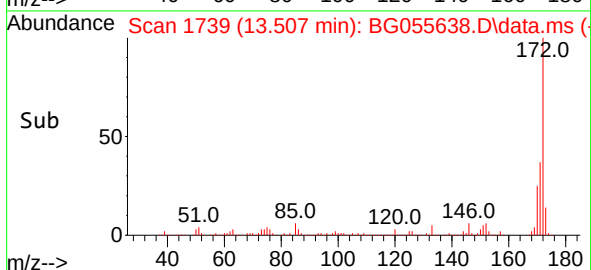
Reviewed By :Christian Giraldo 11/16/2022
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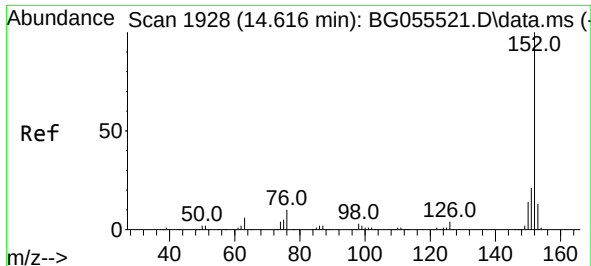


#45
2-Fluorobiphenyl
Concen: 67.926 ng
RT: 13.507 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



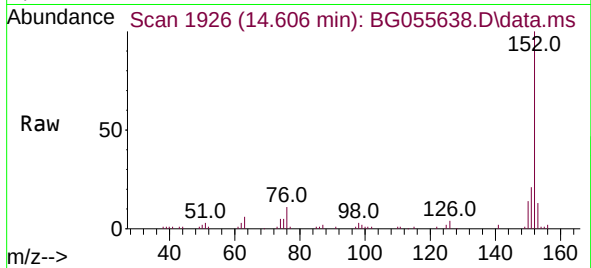
Tgt Ion:172 Resp: 830953
Ion Ratio Lower Upper
172 100
171 37.4 29.7 44.5
170 25.0 19.8 29.6





#49
Acenaphthylene
Concen: 4.344 ng
RT: 14.606 min Scan# 1926
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

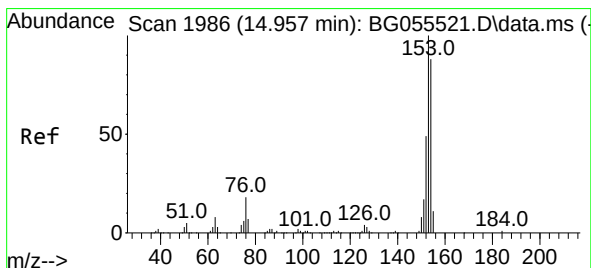
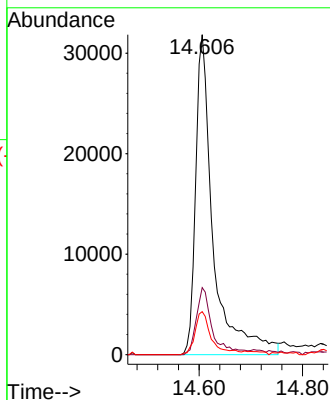
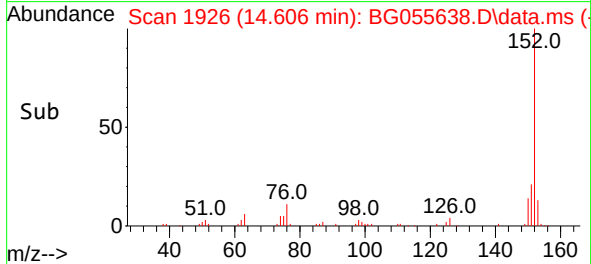
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



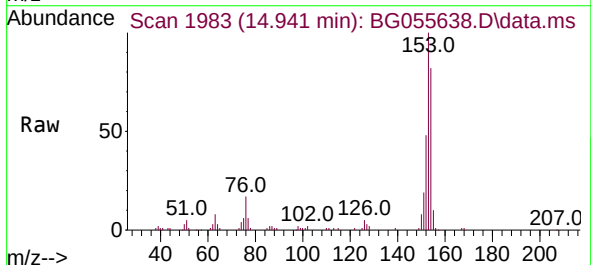
Tgt Ion:152 Resp: 74943
Ion Ratio Lower Upper
152 100
151 20.9 16.4 24.6
153 13.4 10.6 16.0

Manual Integrations
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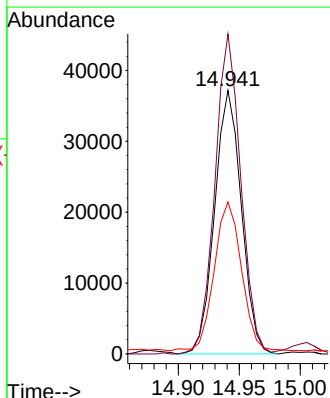
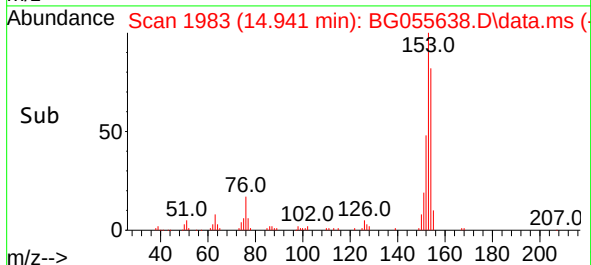
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022

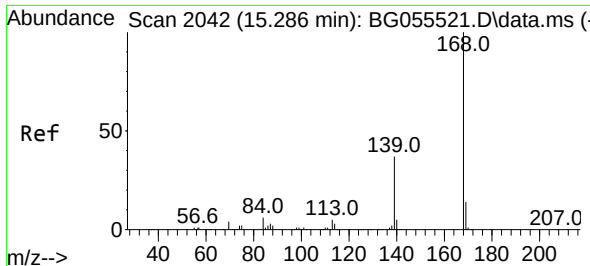


#52
Acenaphthene
Concen: 5.263 ng
RT: 14.941 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



Tgt Ion:154 Resp: 56683
Ion Ratio Lower Upper
154 100
153 121.5 91.4 137.0
152 57.7 44.5 66.7





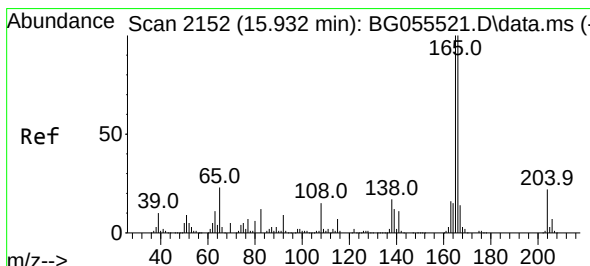
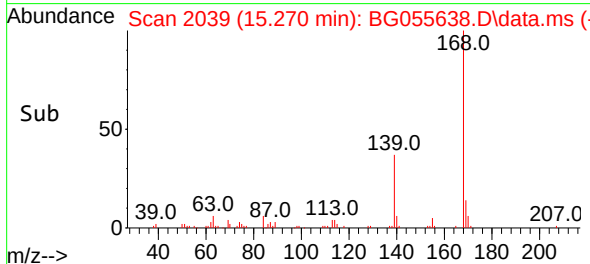
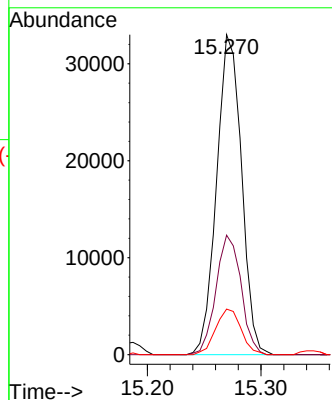
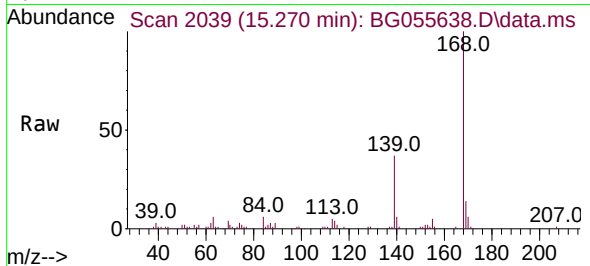
#55
Dibenzofuran
Concen: 2.916 ng
RT: 15.270 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

Tgt Ion:168 Resp: 50218
Ion Ratio Lower Upper
168 100
139 37.3 29.4 44.2
169 14.2 11.1 16.7

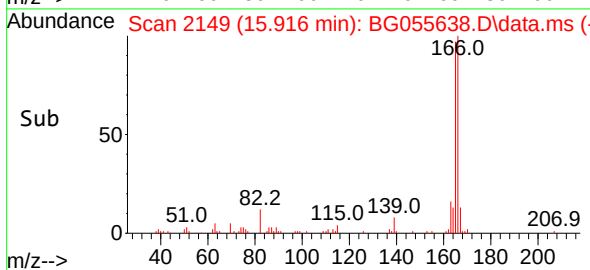
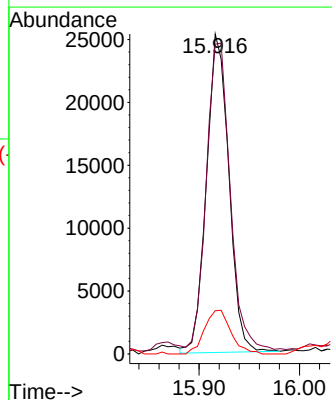
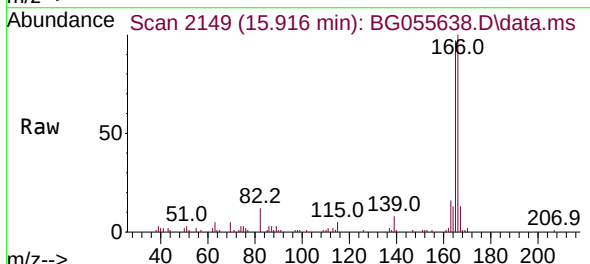
Manual Integrations
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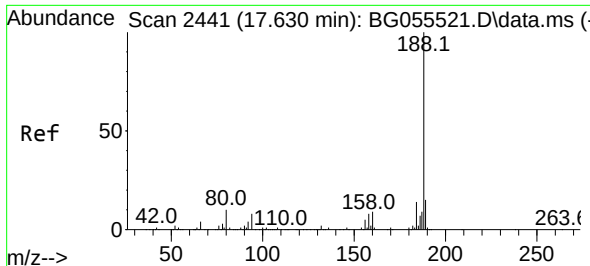
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022



#58
Fluorene
Concen: 2.869 ng
RT: 15.916 min Scan# 2149
Delta R.T. -0.006 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

Tgt Ion:166 Resp: 39307
Ion Ratio Lower Upper
166 100
165 96.8 80.2 120.2
167 13.5 11.2 16.8





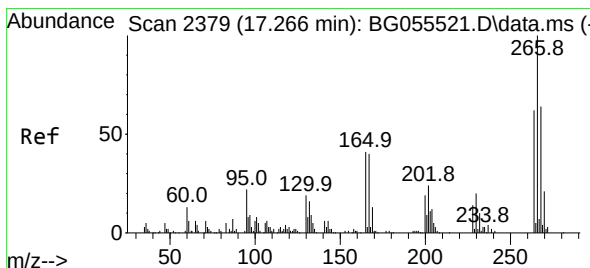
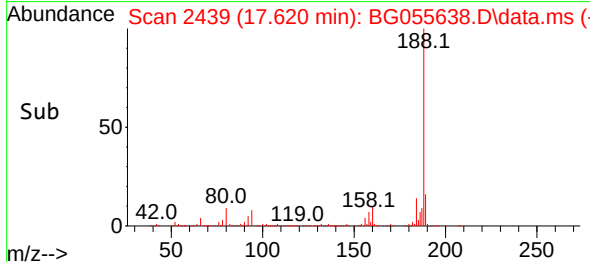
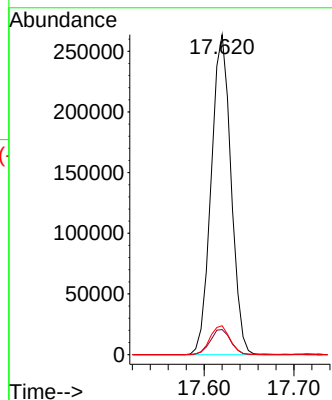
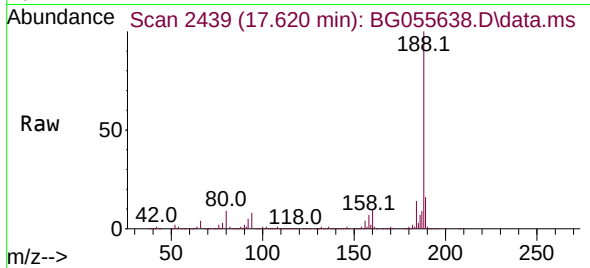
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.620 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

Tgt Ion:188 Resp: 405272
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 9.0 7.6 11.4

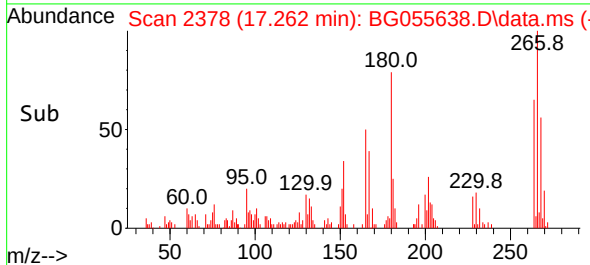
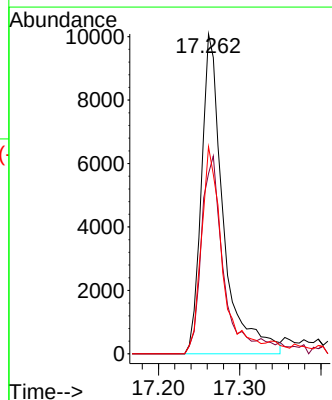
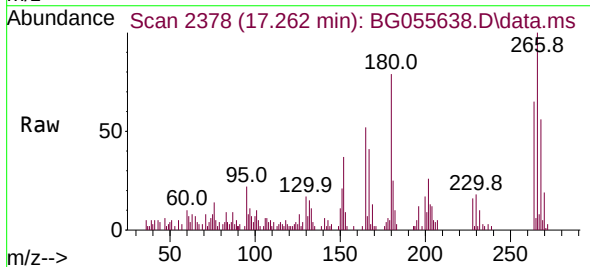
Manual Integrations
APPROVED

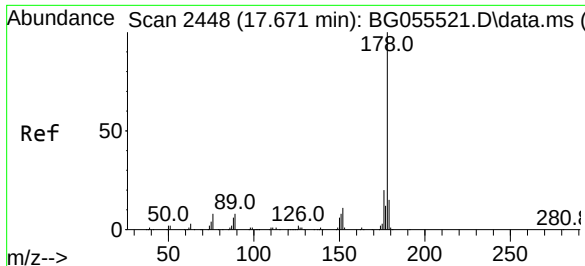
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022



#70
Pentachlorophenol
Concen: 7.041 ng
RT: 17.262 min Scan# 2378
Delta R.T. -0.006 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

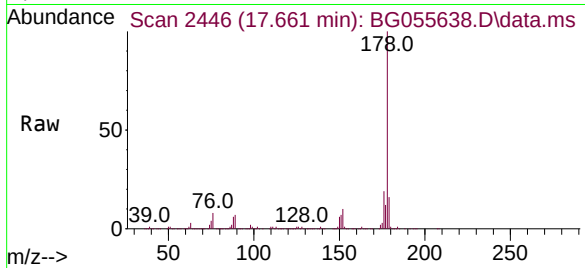
Tgt Ion:266 Resp: 18960
Ion Ratio Lower Upper
266 100
268 56.3 51.4 77.0
264 64.7 49.5 74.3





#71
Phenanthrene
Concen: 20.712 ng
RT: 17.661 min Scan# 2448
Delta R.T. -0.006 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

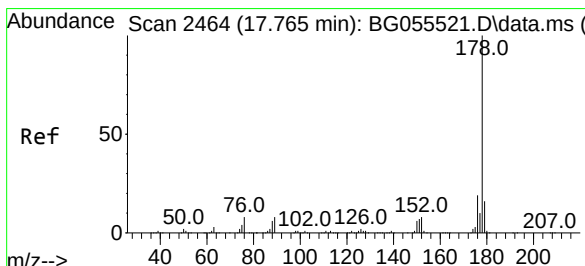
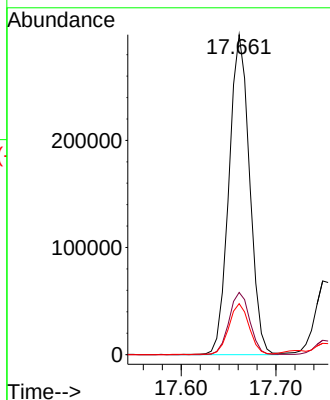
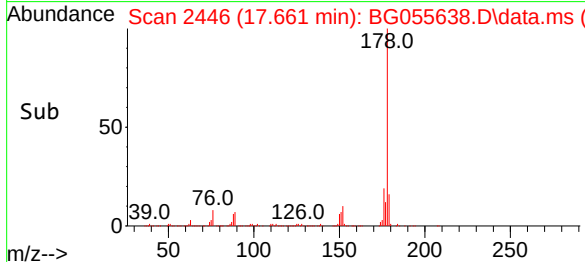
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



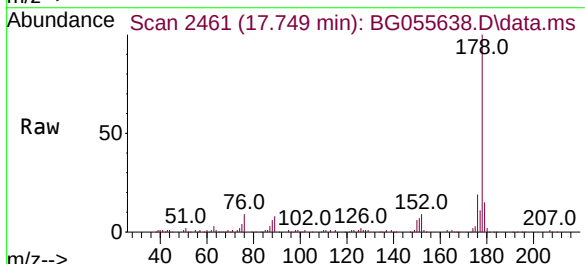
Tgt Ion:178 Resp: 451116
Ion Ratio Lower Upper
178 100
176 19.4 16.1 24.1
179 15.9 12.2 18.4

Manual Integrations
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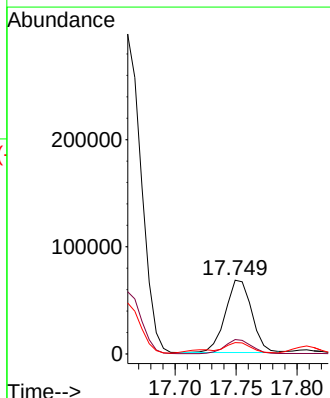
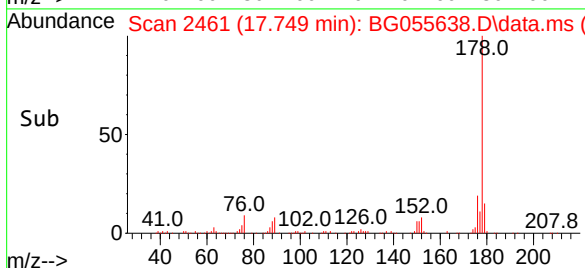
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022

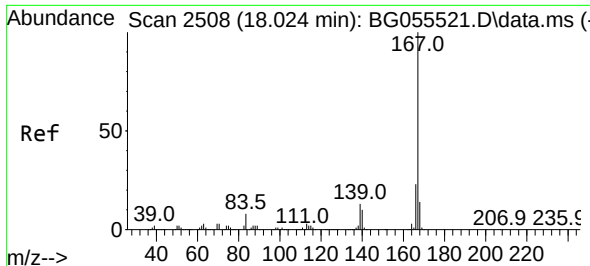


#72
Anthracene
Concen: 4.774 ng
RT: 17.749 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



Tgt Ion:178 Resp: 101899
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.4 13.0 19.4





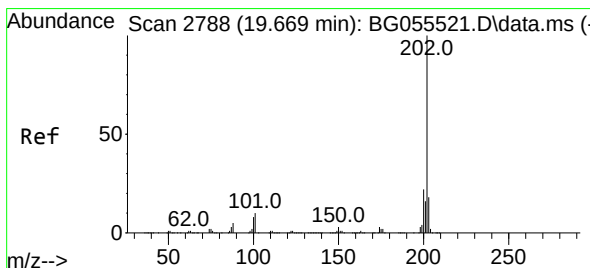
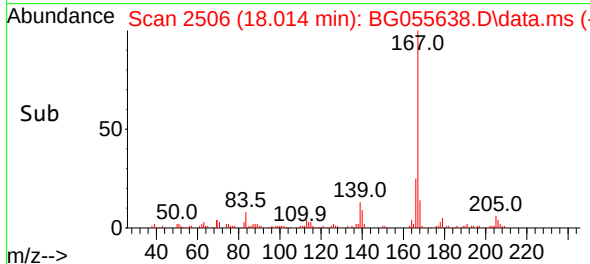
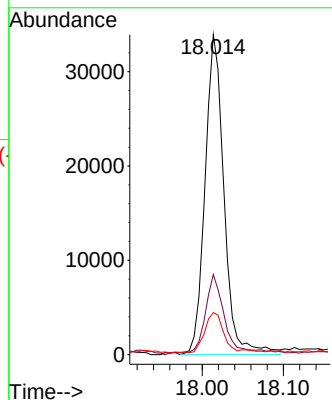
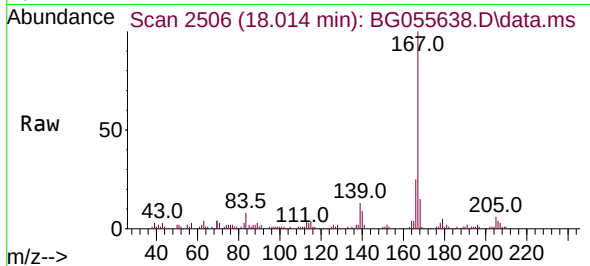
#73
 Carbazole
 Concen: 2.866 ng
 RT: 18.014 min Scan# 2508
 Delta R.T. -0.006 min
 Lab File: BG055638.D
 Acq: 16 Nov 2022 1:58

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE

Tgt Ion:167 Resp: 55291
 Ion Ratio Lower Upper
 167 100
 166 25.0 18.2 27.4
 139 13.1 10.4 15.6

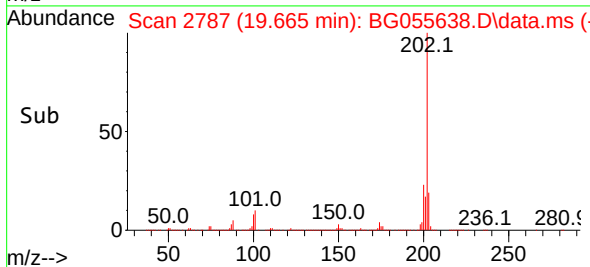
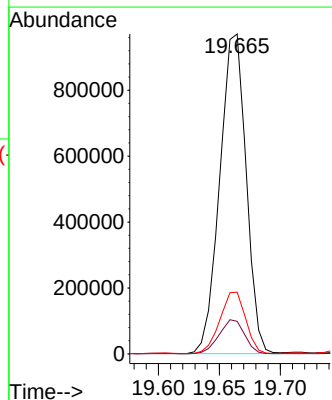
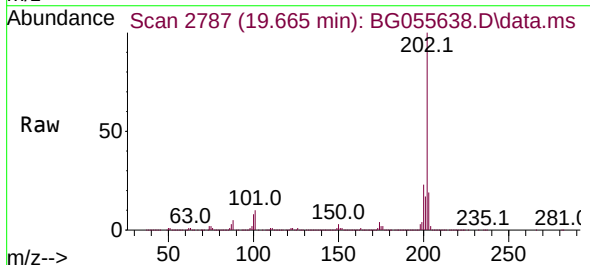
Manual Integrations
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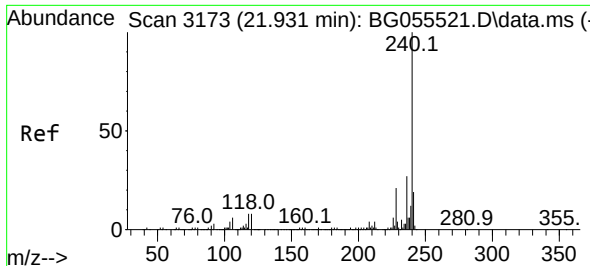
Reviewed By :Christian Giraldo 11/16/2022
 Supervised By :Jagrut Upadhyay 11/16/2022



#75
 Fluoranthene
 Concen: 56.106 ng
 RT: 19.665 min Scan# 2787
 Delta R.T. 0.005 min
 Lab File: BG055638.D
 Acq: 16 Nov 2022 1:58

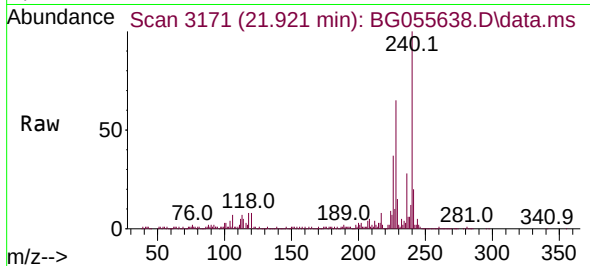
Tgt Ion:202 Resp: 1457297
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.8
 203 19.3 0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.921 min Scan# 3173
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

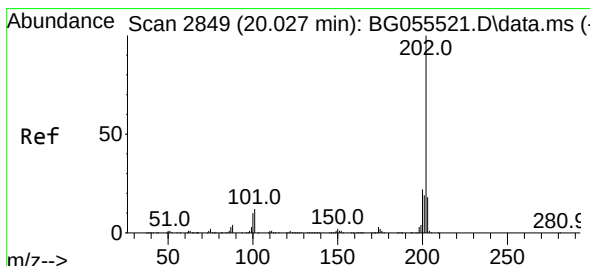
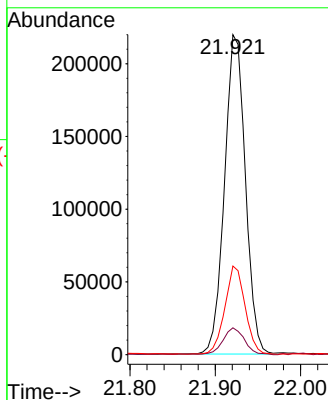
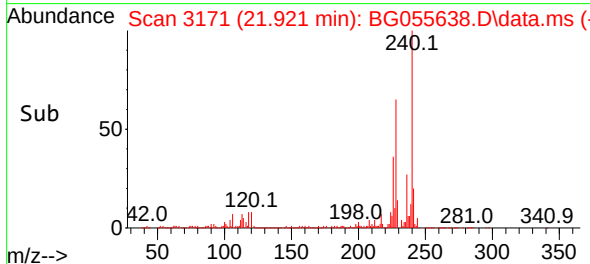
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



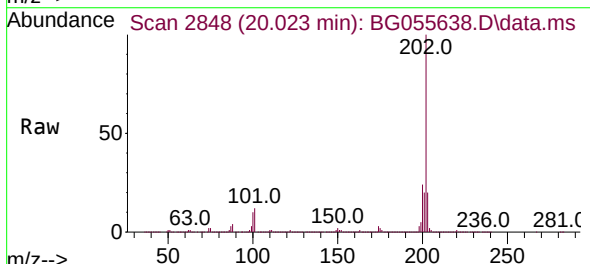
Tgt Ion:240 Resp: 373292
Ion Ratio Lower Upper
240 100
120 8.4 6.1 9.1
236 27.7 21.4 32.0

Manual Integrations
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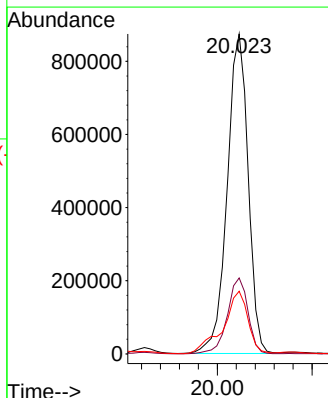
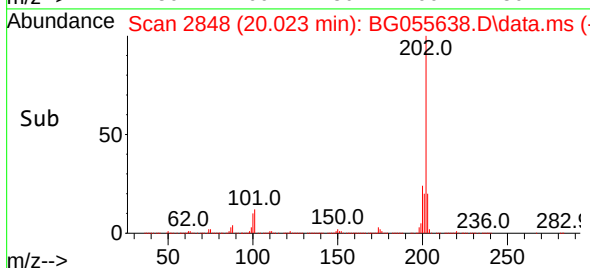
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022

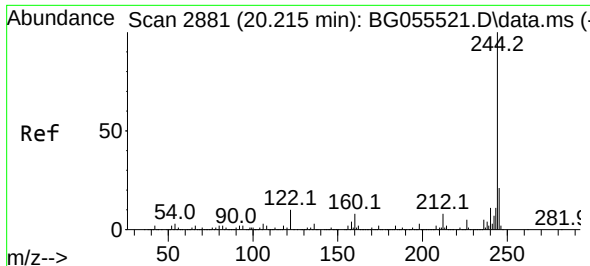


#78
Pyrene
Concen: 53.177 ng
RT: 20.023 min Scan# 2848
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



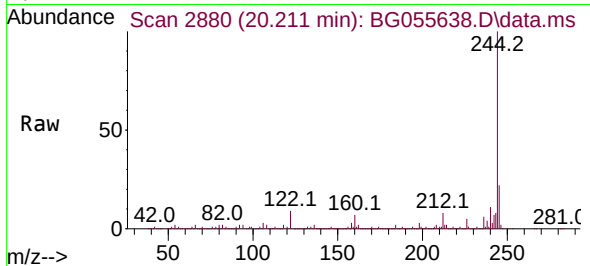
Tgt Ion:202 Resp: 1343473
Ion Ratio Lower Upper
202 100
200 23.7 18.0 27.0
203 19.6 14.2 21.2





#79
 Terphenyl-d14
 Concen: 68.510 ng
 RT: 20.211 min Scan# 2881
 Delta R.T. -0.000 min
 Lab File: BG055638.D
 Acq: 16 Nov 2022 1:58

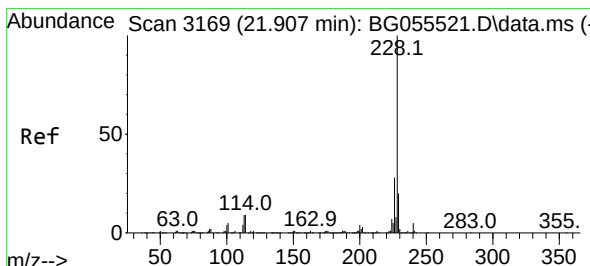
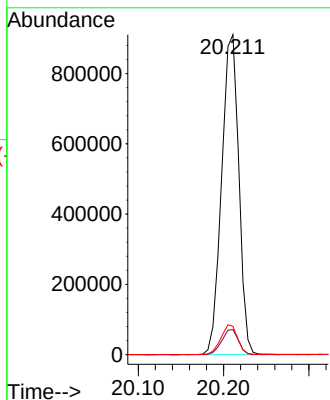
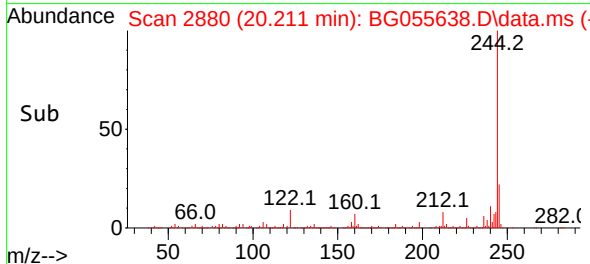
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE



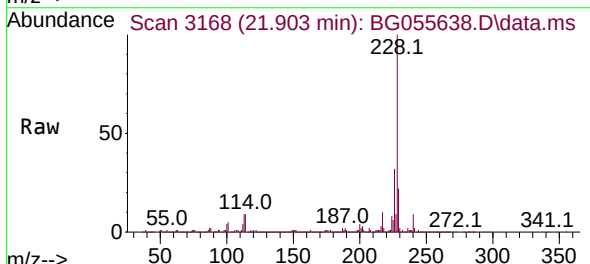
Tgt Ion:244 Resp: 1273263
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 8.8 7.7 11.5

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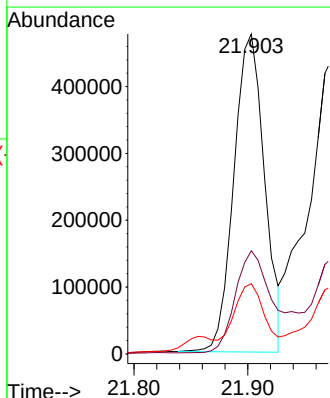
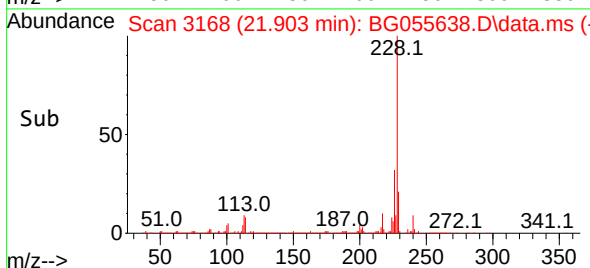
Reviewed By :Christian Giraldo 11/16/2022
 Supervised By :Jagrut Upadhyay 11/16/2022

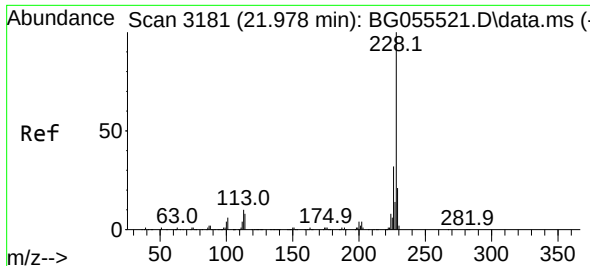


#81
 Benzo(a)anthracene
 Concen: 34.958 ng
 RT: 21.903 min Scan# 3168
 Delta R.T. -0.000 min
 Lab File: BG055638.D
 Acq: 16 Nov 2022 1:58



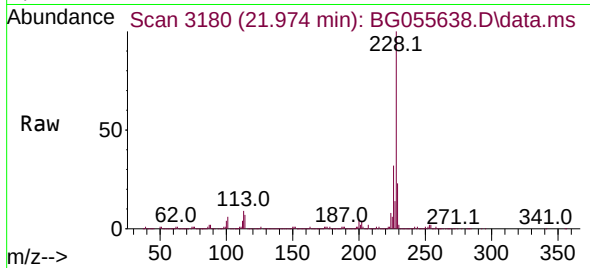
Tgt Ion:228 Resp: 893843
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.6 34.0
 229 22.0 16.1 24.1





#83
Chrysene
Concen: 39.938 ng
RT: 21.974 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

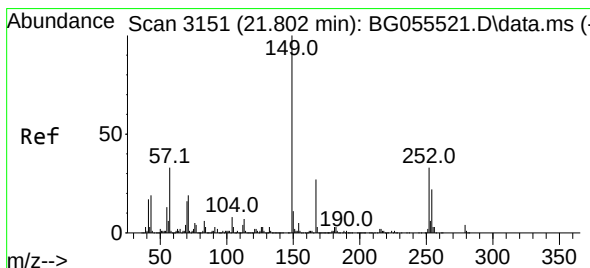
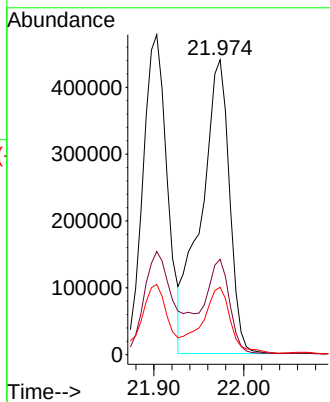
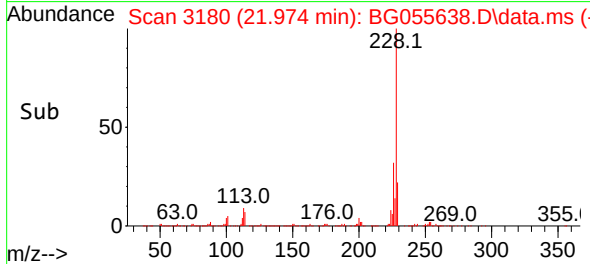
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



Tgt Ion:228 Resp: 971034
Ion Ratio Lower Upper
228 100
226 32.3 25.7 38.5
229 22.8 16.6 25.0

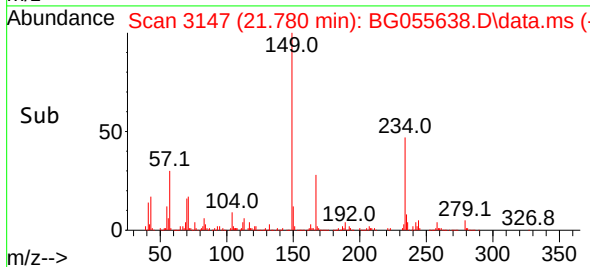
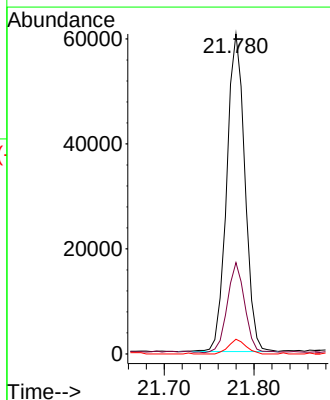
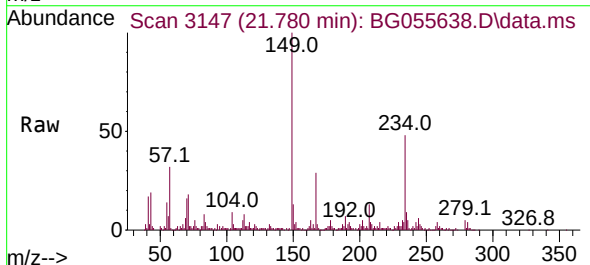
Manual Integrations
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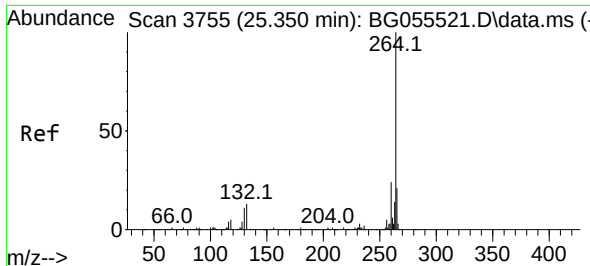
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.692 ng
RT: 21.780 min Scan# 3147
Delta R.T. -0.000 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

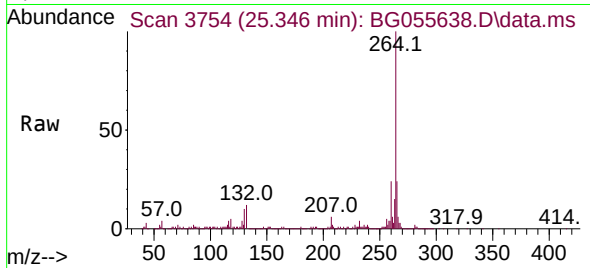
Tgt Ion:149 Resp: 85330
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.2
279 4.6 3.4 5.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.346 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

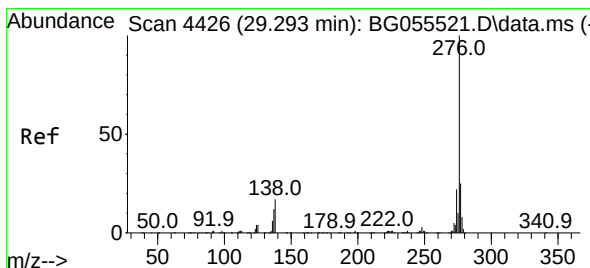
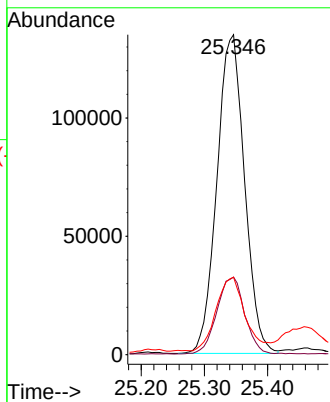
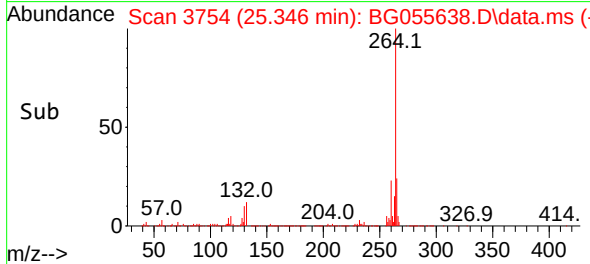
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



Tgt Ion:264 Resp: 408705
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 24.2 17.1 25.7

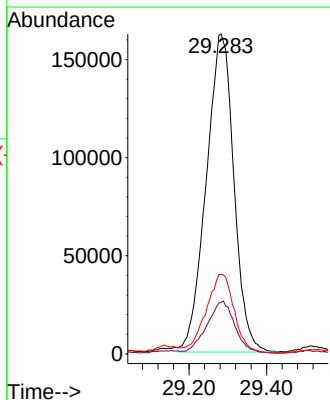
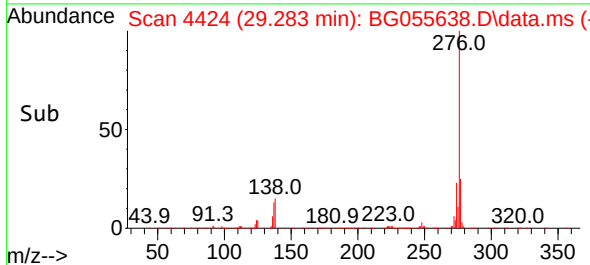
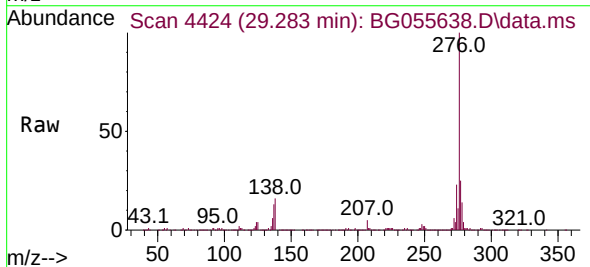
Manual Integrations
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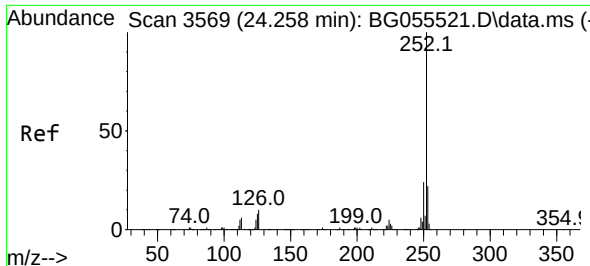
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 25.786 ng
RT: 29.283 min Scan# 4424
Delta R.T. 0.005 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

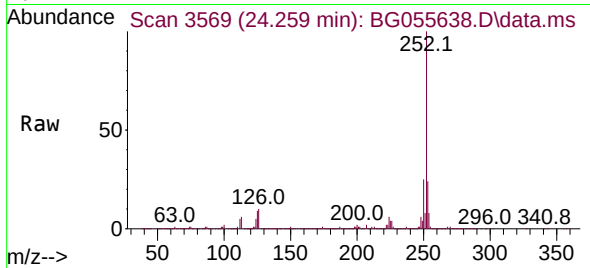
Tgt Ion:276 Resp: 802679
Ion Ratio Lower Upper
276 100
138 16.8 11.5 17.3
277 25.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 66.741 ng
RT: 24.259 min Scan# 3569
Delta R.T. 0.011 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

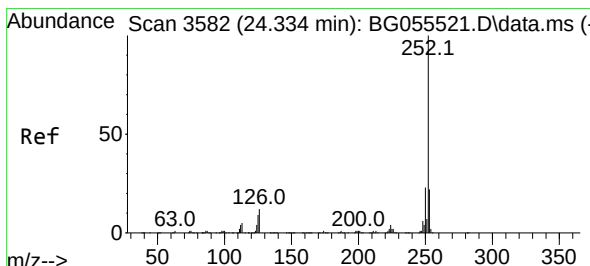
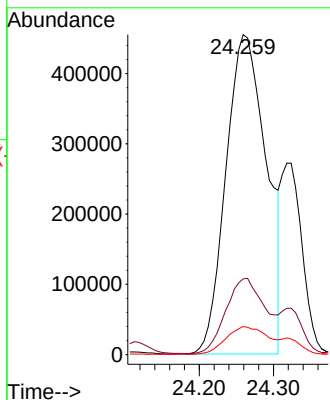
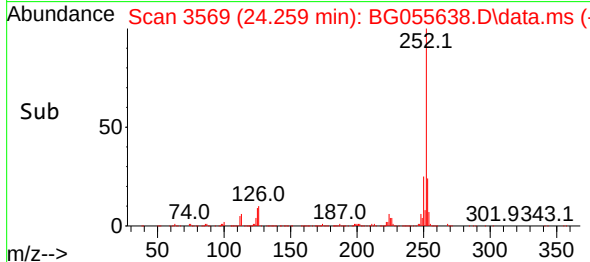
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



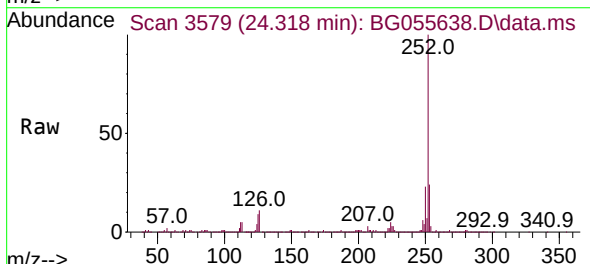
Tgt Ion:252 Resp: 1728319
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 8.8 6.7 10.1

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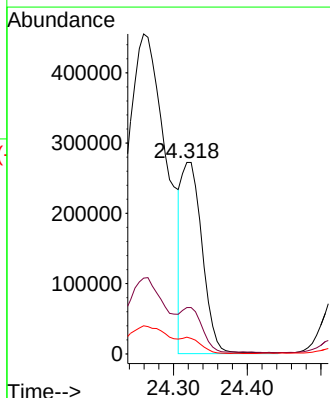
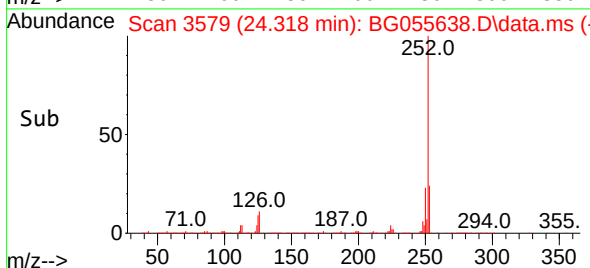
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022

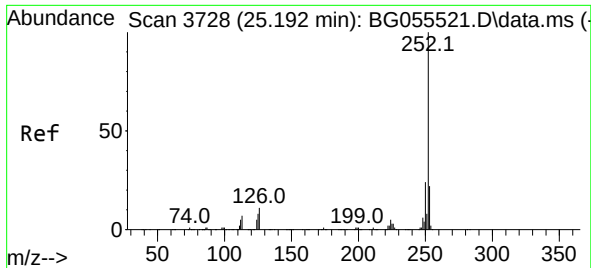


#89
Benzo(k)fluoranthene
Concen: 20.162 ng m
RT: 24.318 min Scan# 3579
Delta R.T. -0.006 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



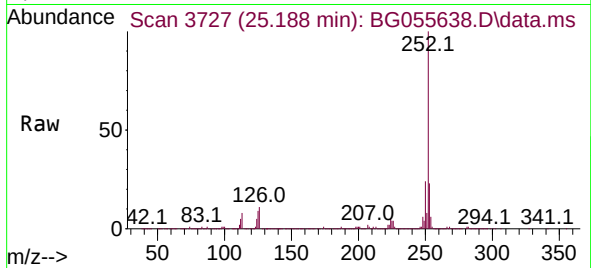
Tgt Ion:252 Resp: 533780
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 8.7 6.9 10.3





#90
Benzo(a)pyrene
Concen: 46.676 ng
RT: 25.188 min Scan# 31
Delta R.T. 0.011 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

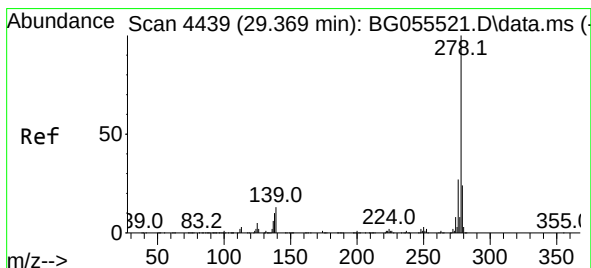
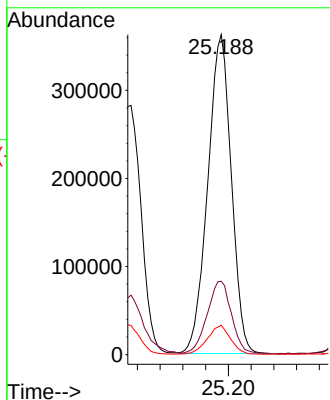
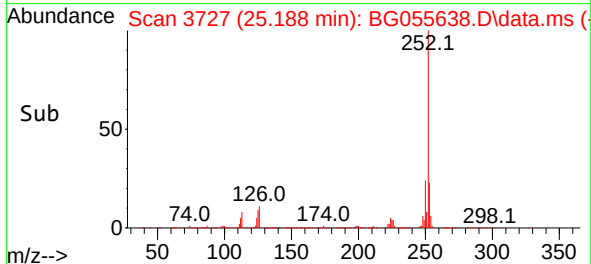
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



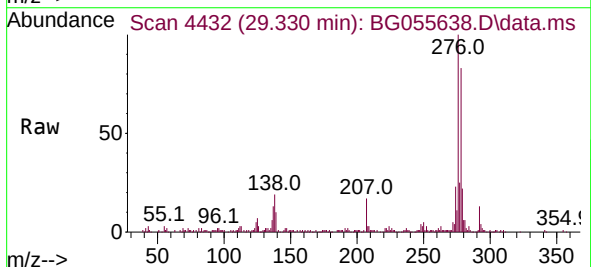
Tgt Ion:252 Resp: 1041185
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 9.2 6.7 10.1

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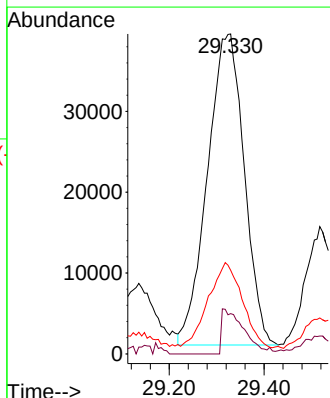
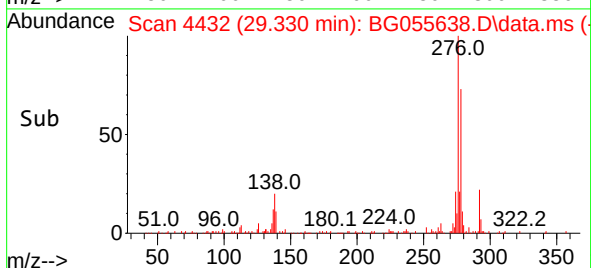
Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022

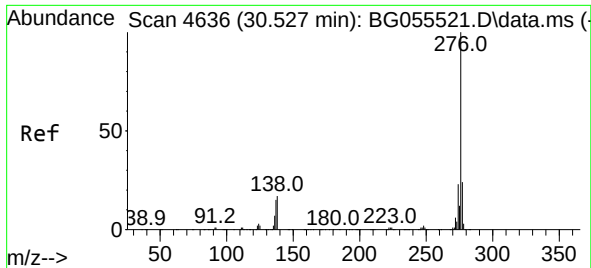


#91
Dibenzo(a,h)anthracene
Concen: 8.048 ng
RT: 29.330 min Scan# 4432
Delta R.T. -0.018 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58



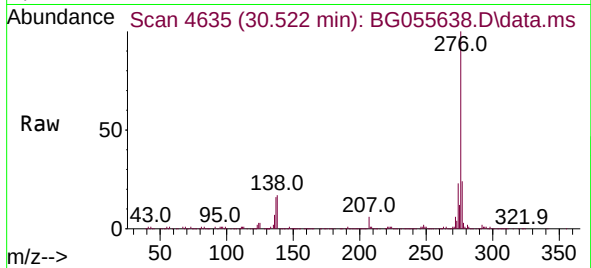
Tgt Ion:278 Resp: 207365
Ion Ratio Lower Upper
278 100
139 12.6 10.6 15.8
279 26.1 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 29.180 ng
RT: 30.522 min Scan# 4636
Delta R.T. 0.005 min
Lab File: BG055638.D
Acq: 16 Nov 2022 1:58

Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



Tgt Ion:276 Resp: 735016
Ion Ratio Lower Upper
276 100
277 24.1 19.3 28.9
138 16.7 13.9 20.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/16/2022
Supervised By :Jagrut Upadhyay 11/16/2022

