

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057509.D
 Acq On : 23 May 2023 1:31
 Operator : CG/JU
 Sample : 02871-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-226

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/23/2023
 Supervised By : Jagrut Upadhyay 05/23/2023

Quant Time: May 23 04:09:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	24378	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	96527	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	65007	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	146117	20.000	ng	0.00
76) Chrysene-d12	22.019	240	128551	20.000	ng	0.00
86) Perylene-d12	25.514	264	141917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	78720	55.238	ng	0.00
7) Phenol-d6	7.497	99	146111	67.517	ng	0.00
23) Nitrobenzene-d5	9.535	82	100004	43.483	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	28628	31.037	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	242286	50.196	ng	0.00
79) Terphenyl-d14	20.280	244	385439	48.930	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.754	178	185404	24.762	ng	99
75) Fluoranthene	19.739	202	355384	38.163	ng	99
78) Pyrene	20.103	202	343118	36.731	ng	99
81) Benzo(a)anthracene	21.995	228	129069	14.092	ng	99
83) Chrysene	22.065	228	186720	21.668	ng	96
84) Bis(2-ethylhexyl)phtha...	21.836	149	54085	12.333	ng	99
87) Indeno(1,2,3-cd)pyrene	29.544	276	88063	8.514	ng	# 56
88) Benzo(b)fluoranthene	24.398	252	211290	22.776	ng	97
89) Benzo(k)fluoranthene	24.462	252	67096m	7.117	ng	
90) Benzo(a)pyrene	25.349	252	131817	14.544	ng	97
91) Dibenzo(a,h)anthracene	29.585	278	23286	2.703	ng	# 93
92) Benzo(g,h,i)perylene	30.830	276	92005	10.939	ng	# 94

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

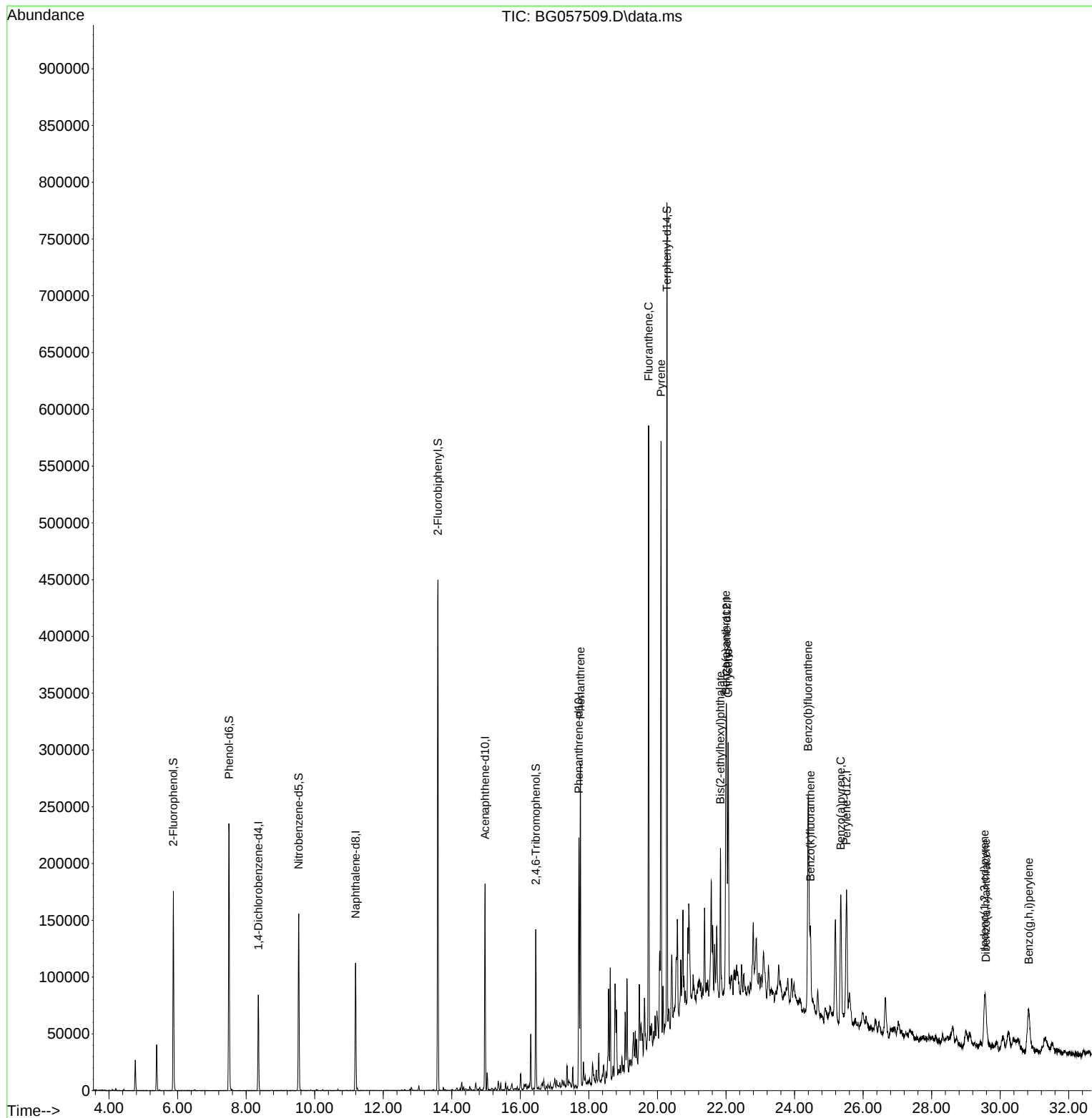
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057509.D
Acq On : 23 May 2023 1:31
Operator : CG/JU
Sample : 02871-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

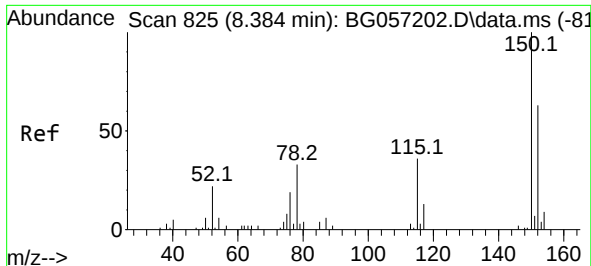
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Quant Time: May 23 04:09:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
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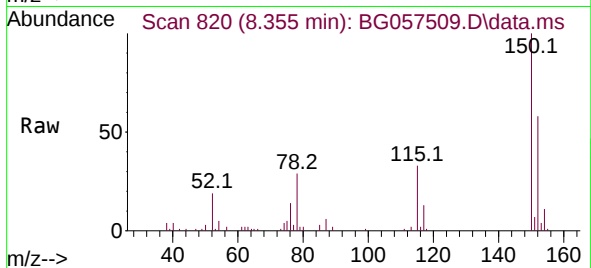
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

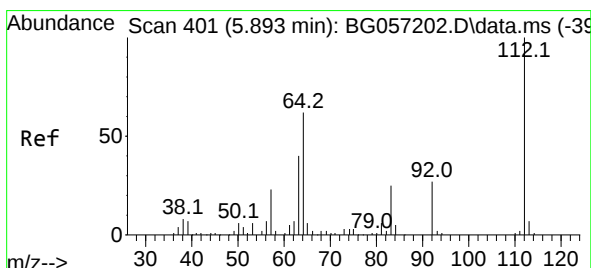
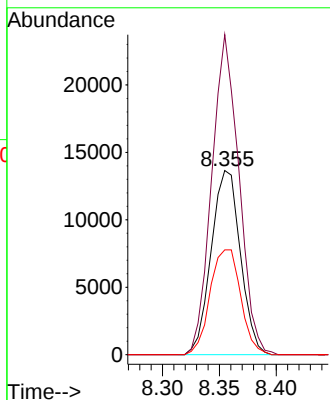
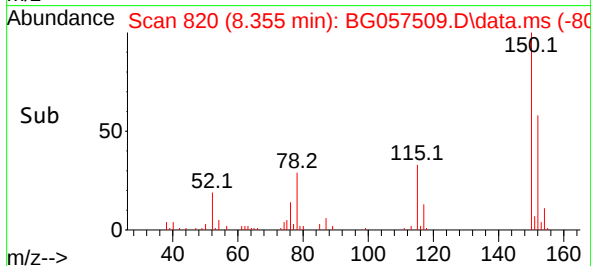
Instrument :
BNA_G
ClientSampleId :
VNJ-226



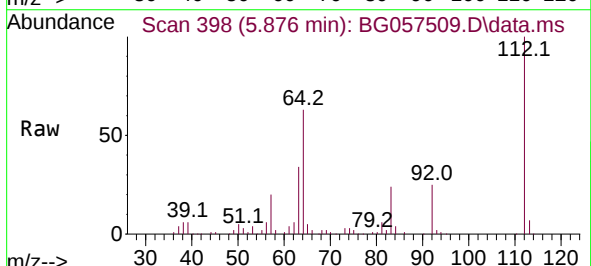
Tgt Ion:152 Resp: 24378
Ion Ratio Lower Upper
152 100
150 173.8 126.2 189.4
115 56.9 45.0 67.4

Manual Integrations
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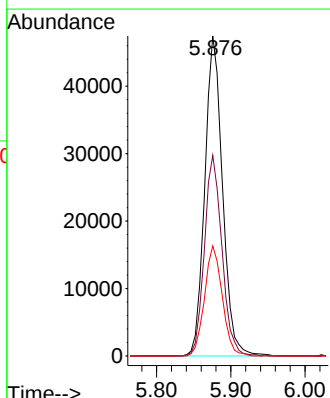
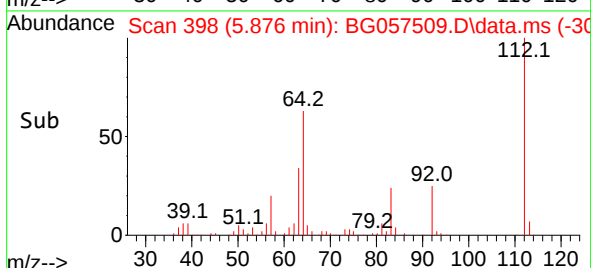
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

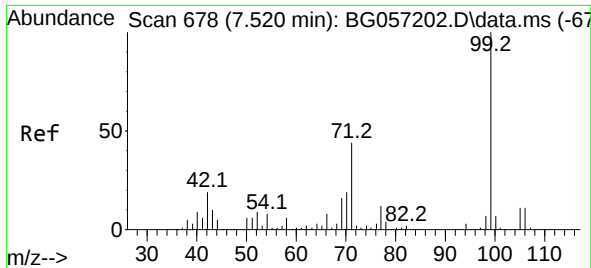


#5
2-Fluorophenol
Concen: 55.238 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31



Tgt Ion:112 Resp: 78720
Ion Ratio Lower Upper
112 100
64 62.7 49.4 74.2
63 34.4 31.6 47.4





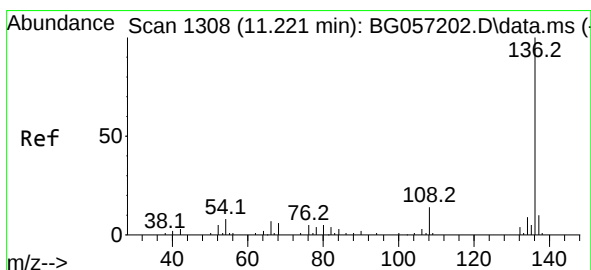
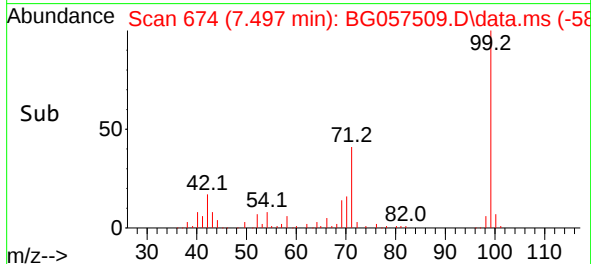
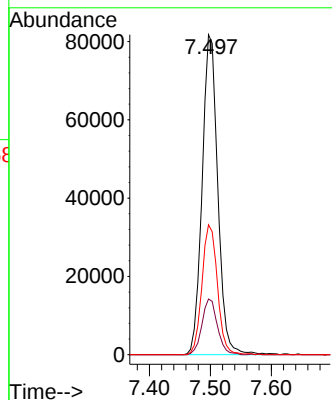
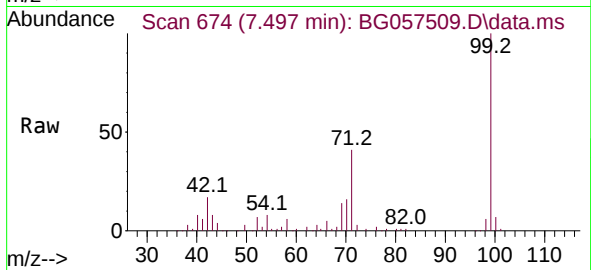
#7
Phenol-d6
Concen: 67.517 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Tgt Ion: 99 Resp: 14611
Ion Ratio Lower Upper
99 100
42 17.4 15.1 22.7
71 40.6 35.2 52.8

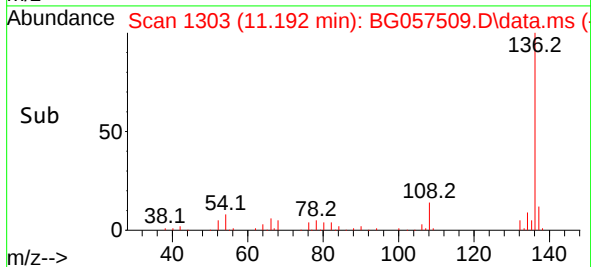
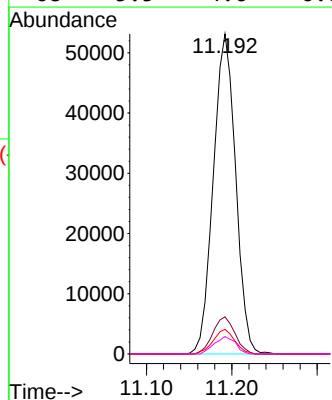
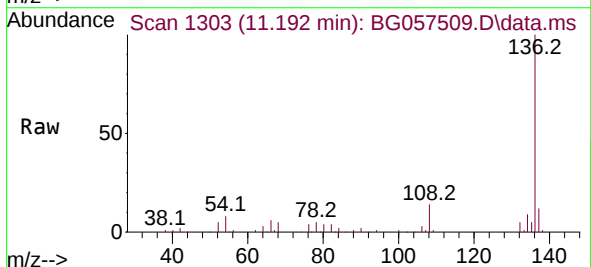
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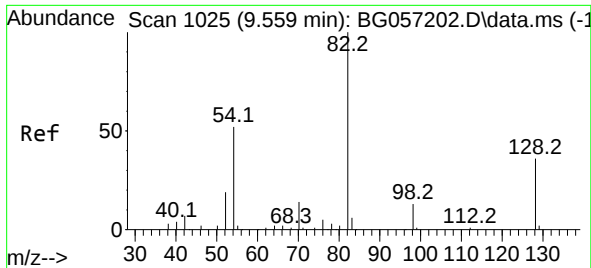
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:136 Resp: 96527
Ion Ratio Lower Upper
136 100
137 11.6 8.3 12.5
54 7.7 6.7 10.1
68 5.5 4.6 6.8





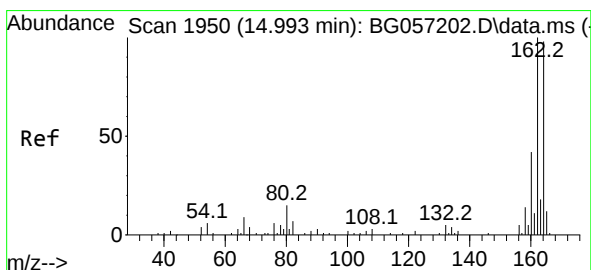
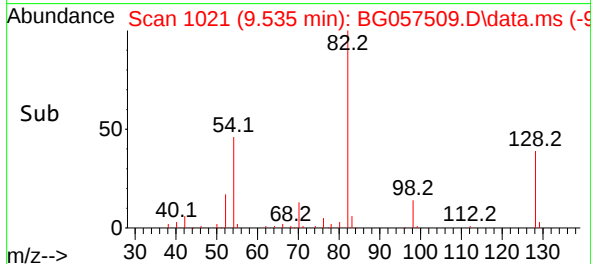
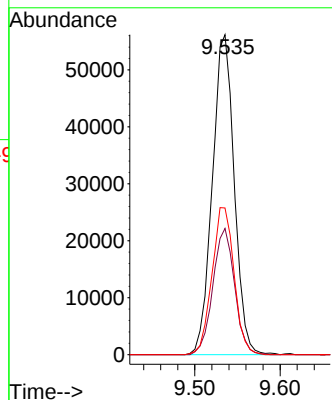
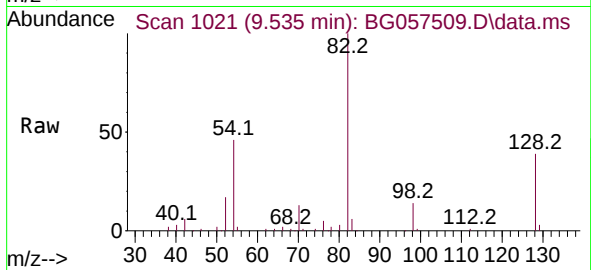
#23
Nitrobenzene-d5
Concen: 43.483 ng
RT: 9.535 min Scan# 1021
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Tgt Ion: 82 Resp: 100004
Ion Ratio Lower Upper
82 100
128 39.5 29.0 43.4
54 45.9 41.4 62.0

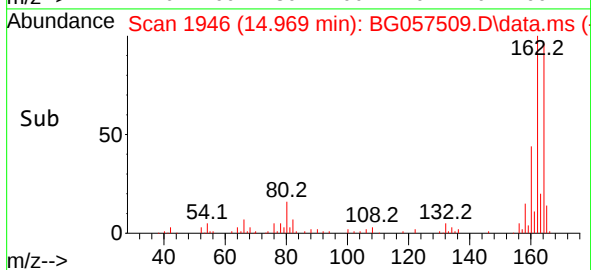
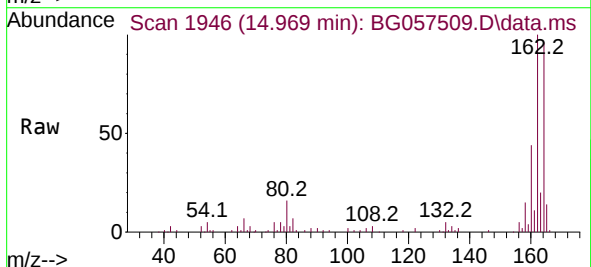
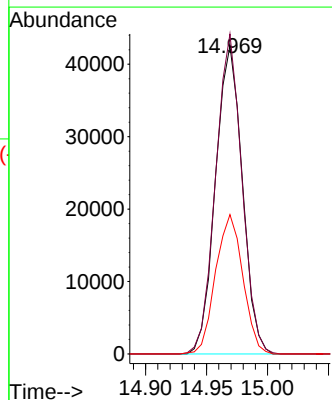
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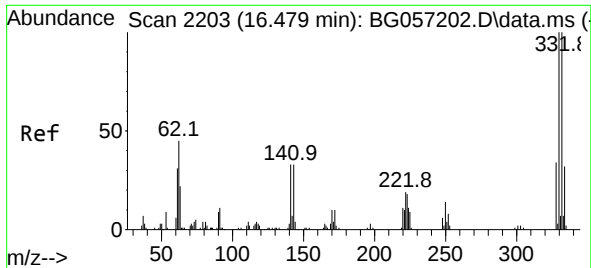
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:164 Resp: 65007
Ion Ratio Lower Upper
164 100
162 103.8 81.8 122.6
160 45.2 34.6 52.0





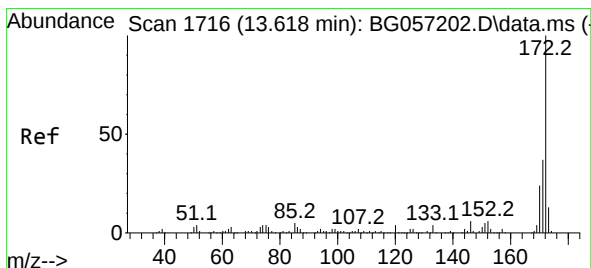
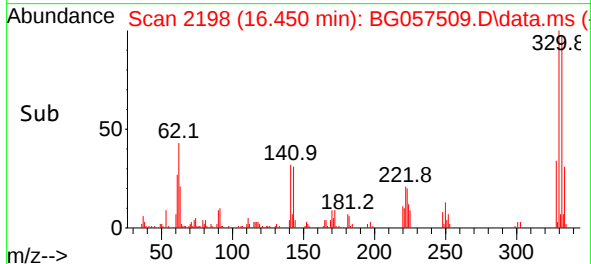
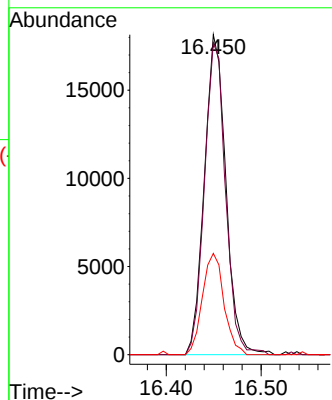
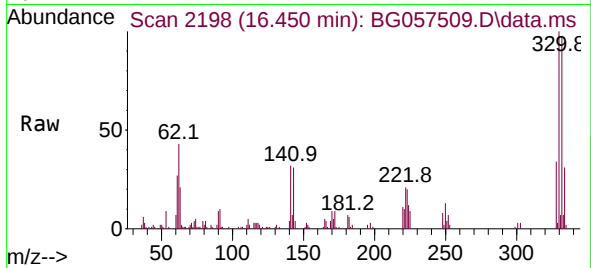
#42
2,4,6-Tribromophenol
Concen: 31.037 ng
RT: 16.450 min Scan# 2198
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Instrument :
BNA_G
ClientSampleId :
VNJ-226

Tgt Ion:330 Resp: 28628
Ion Ratio Lower Upper
330 100
332 95.2 78.2 117.2
141 31.6 27.8 41.8

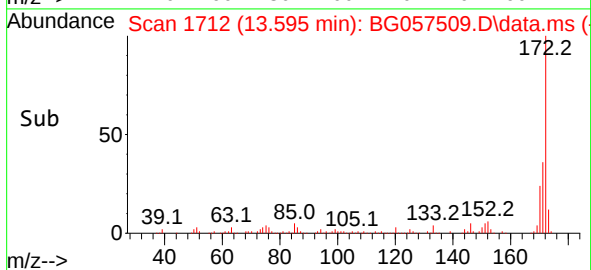
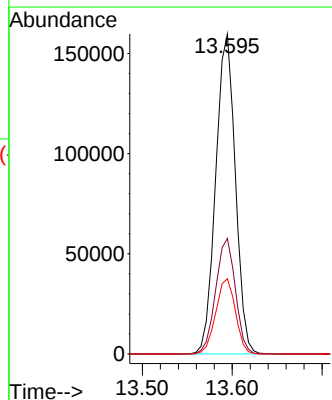
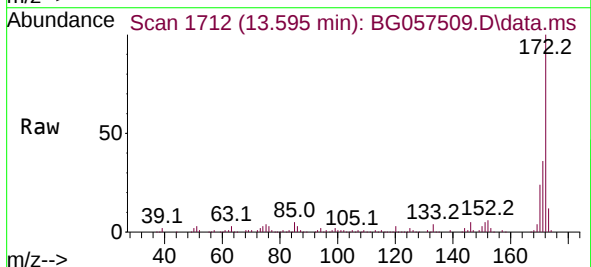
Manual Integrations
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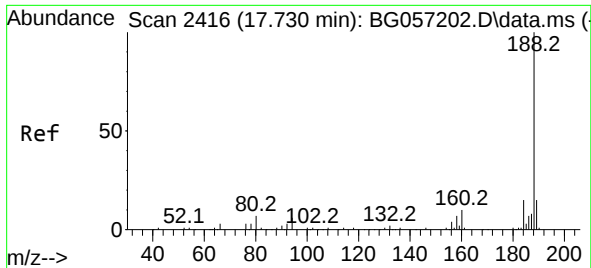
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#45
2-Fluorobiphenyl
Concen: 50.196 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

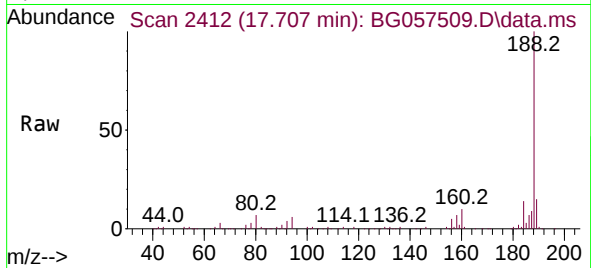
Tgt Ion:172 Resp: 242286
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 23.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.707 min Scan# 2411
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

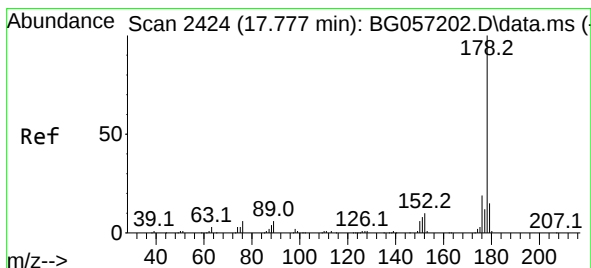
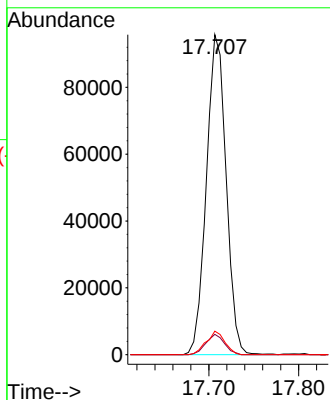
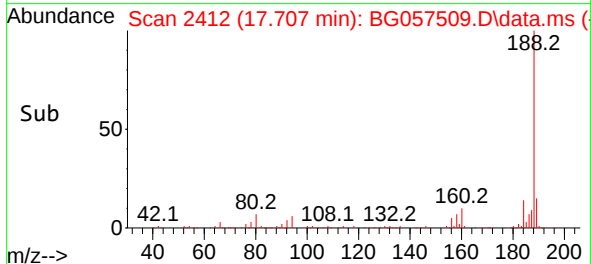
Instrument :
BNA_G
ClientSampleId :
VNJ-226



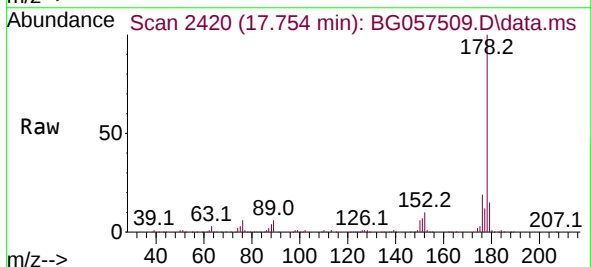
Tgt Ion:188 Resp: 14611
Ion Ratio Lower Upper
188 100
94 6.4 5.1 7.7
80 7.3 5.7 8.5

Manual Integrations
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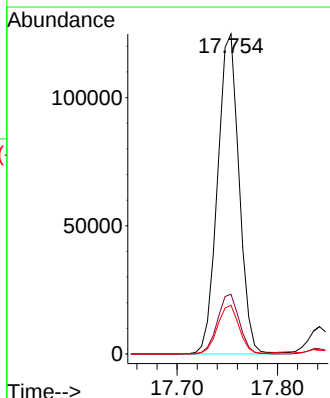
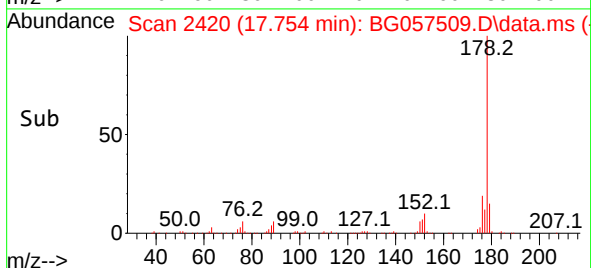
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

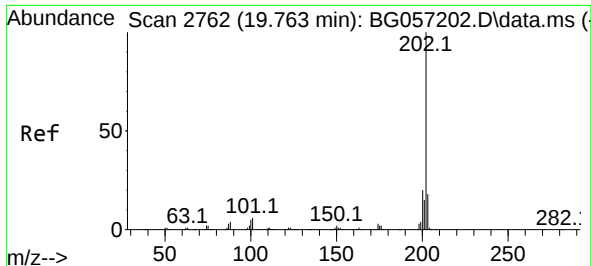


#71
Phenanthrene
Concen: 24.762 ng
RT: 17.754 min Scan# 2420
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31



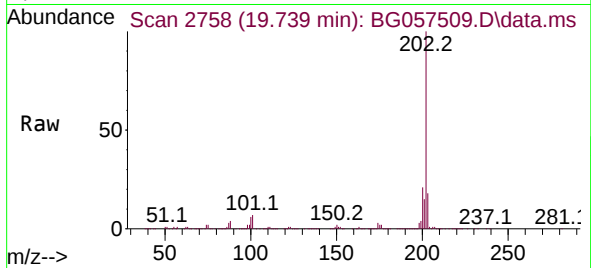
Tgt Ion:178 Resp: 185404
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.2 12.3 18.5





#75
Fluoranthene
Concen: 38.163 ng
RT: 19.739 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

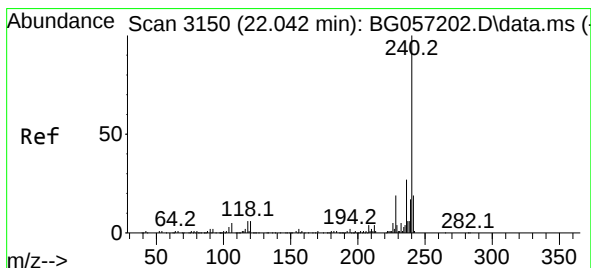
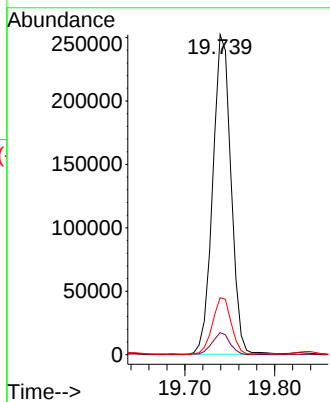
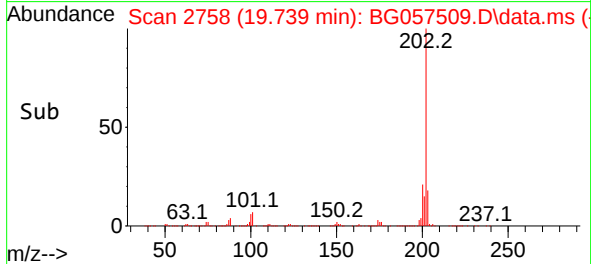
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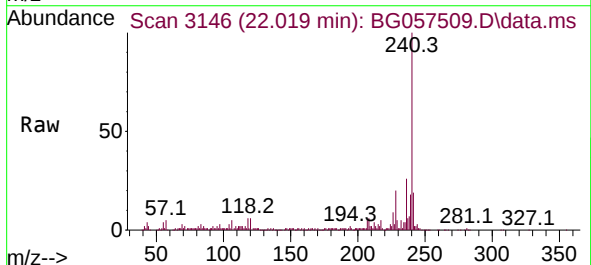
Tgt Ion:202 Resp: 355384
Ion Ratio Lower Upper
202 100
101 6.9 0.0 26.2
203 17.8 0.0 37.9

Manual Integrations
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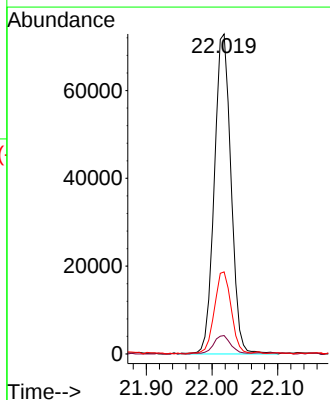
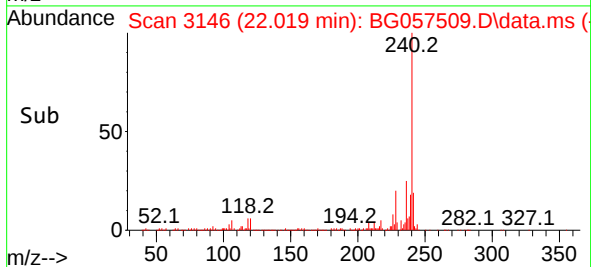
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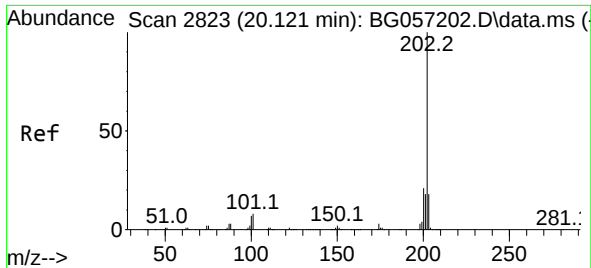


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31



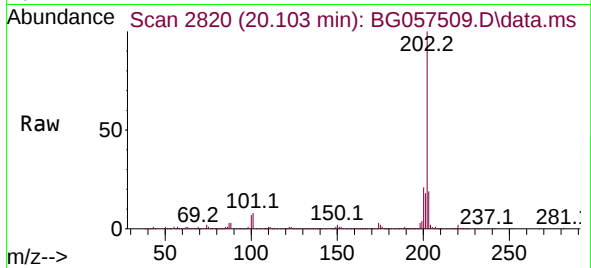
Tgt Ion:240 Resp: 128551
Ion Ratio Lower Upper
240 100
120 5.7 4.9 7.3
236 25.6 21.4 32.2





#78
 Pyrene
 Concen: 36.731 ng
 RT: 20.103 min Scan# 2820
 Delta R.T. -0.001 min
 Lab File: BG057509.D
 Acq: 23 May 2023 1:31

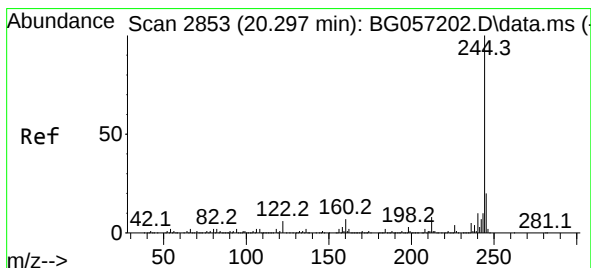
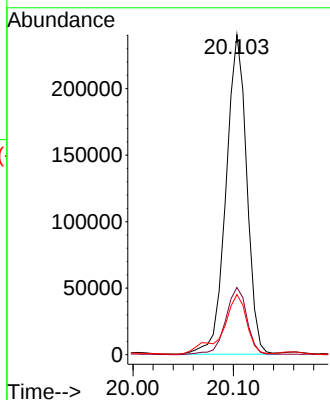
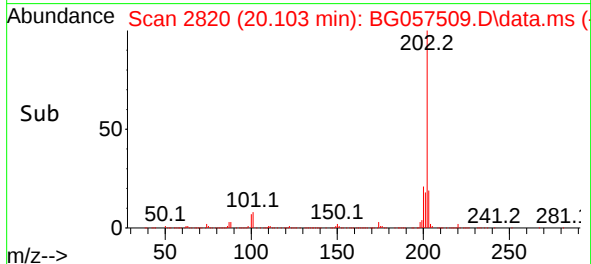
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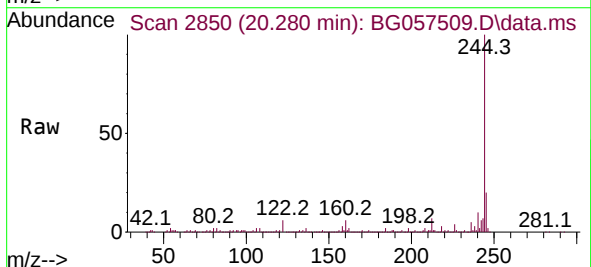
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 Ion Ratio Lower Upper
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 200 21.0 17.0 25.4
 203 18.8 14.2 21.4

Manual Integrations
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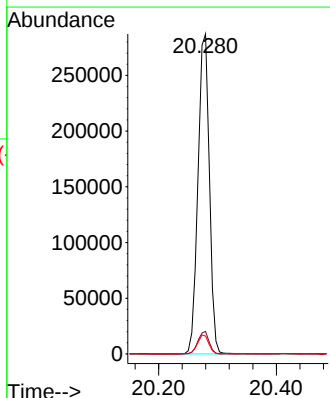
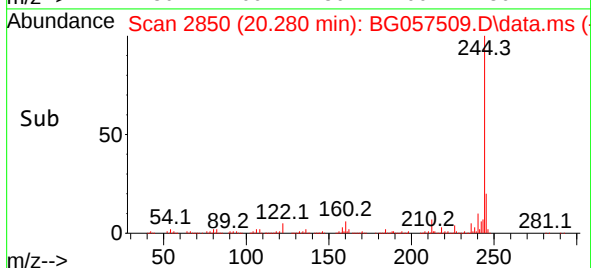
Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023

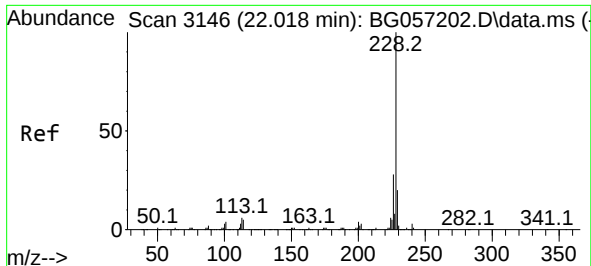


#79
 Terphenyl-d14
 Concen: 48.930 ng
 RT: 20.280 min Scan# 2850
 Delta R.T. -0.001 min
 Lab File: BG057509.D
 Acq: 23 May 2023 1:31



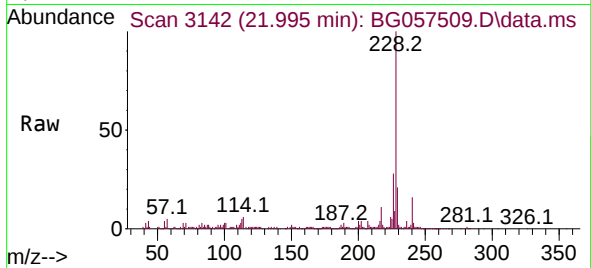
Tgt Ion:244 Resp: 385439
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 5.6 5.1 7.7





#81
Benzo(a)anthracene
Concen: 14.092 ng
RT: 21.995 min Scan# 3142
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

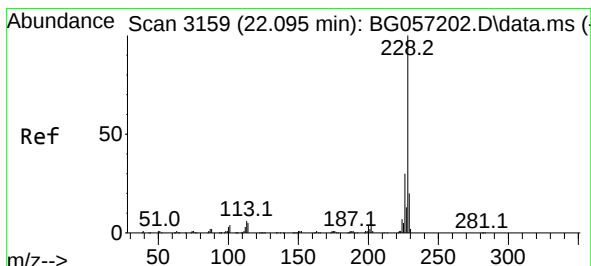
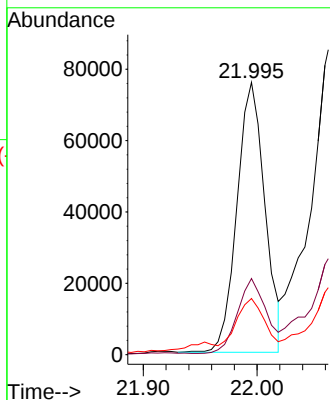
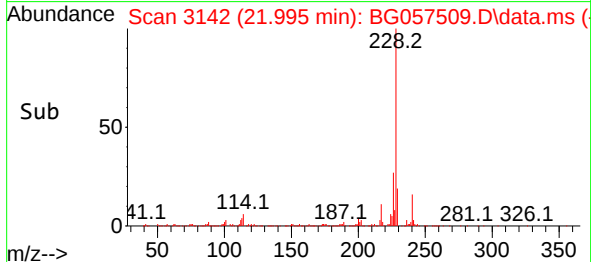
Instrument :
BNA_G
ClientSampleId :
VNJ-226



Tgt Ion:228 Resp: 129069
Ion Ratio Lower Upper
228 100
226 28.0 22.0 33.0
229 20.6 15.8 23.8

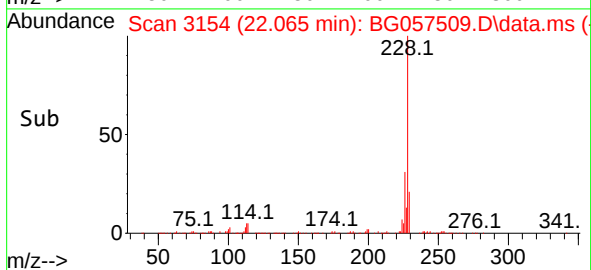
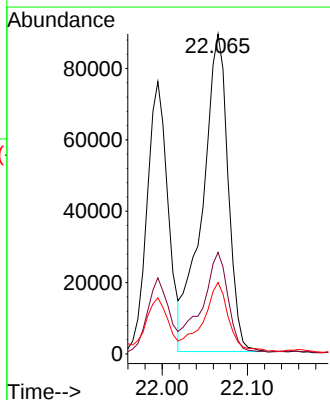
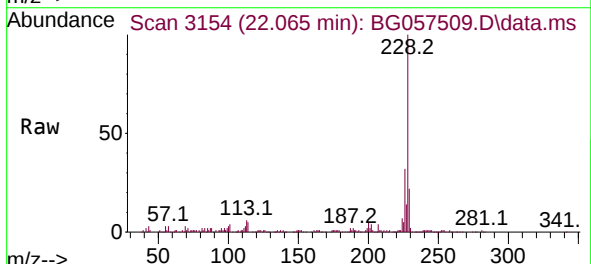
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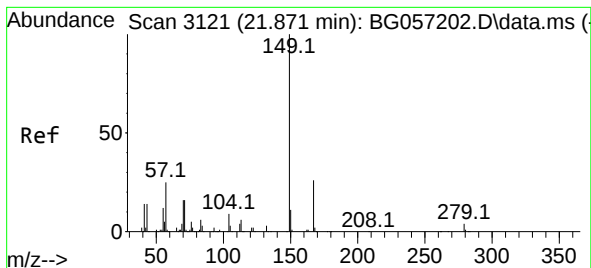
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#83
Chrysene
Concen: 21.668 ng
RT: 22.065 min Scan# 3154
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

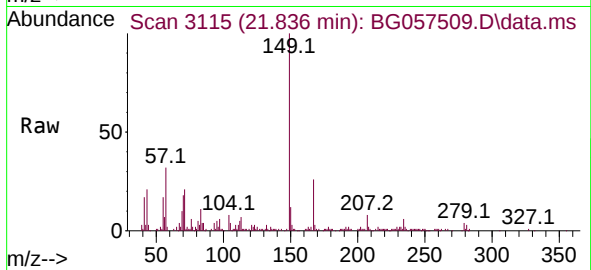
Tgt Ion:228 Resp: 186720
Ion Ratio Lower Upper
228 100
226 31.8 24.3 36.5
229 22.3 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 12.333 ng
RT: 21.836 min Scan# 3115
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

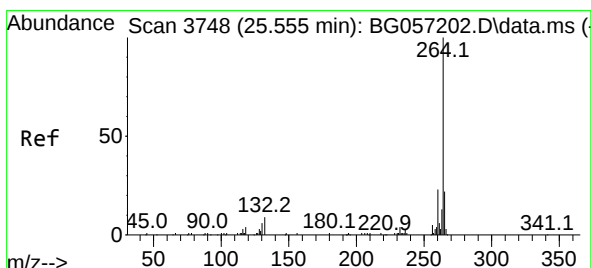
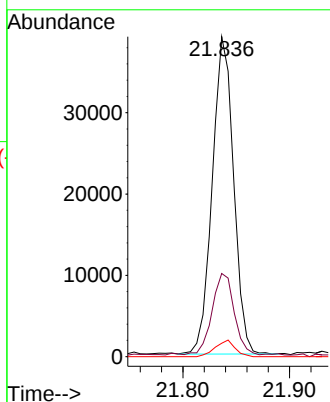
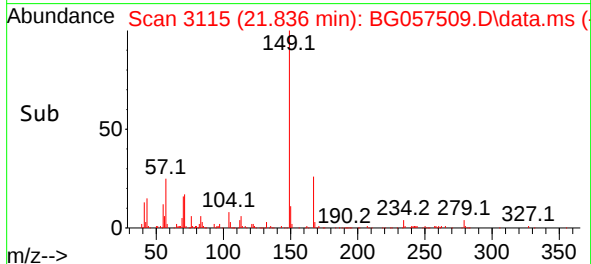
Instrument :
BNA_G
ClientSampleId :
VNJ-226



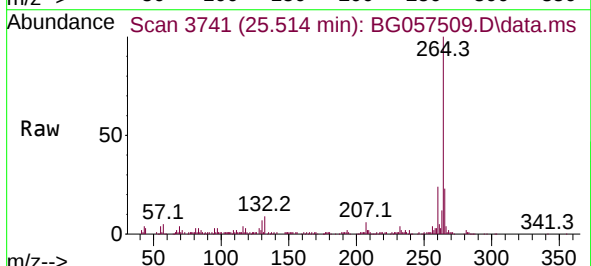
Tgt Ion:149 Resp: 5408
Ion Ratio Lower Upper
149 100
167 26.0 21.2 31.8
279 4.2 3.5 5.3

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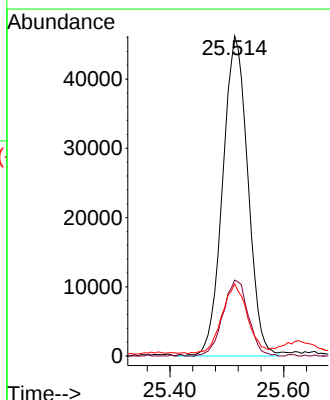
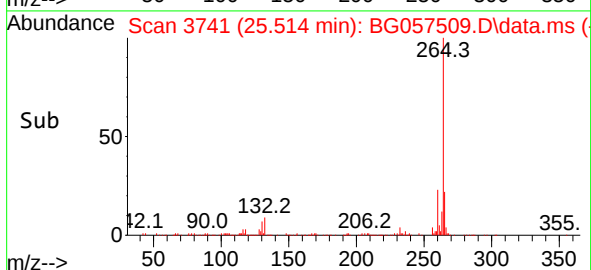
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

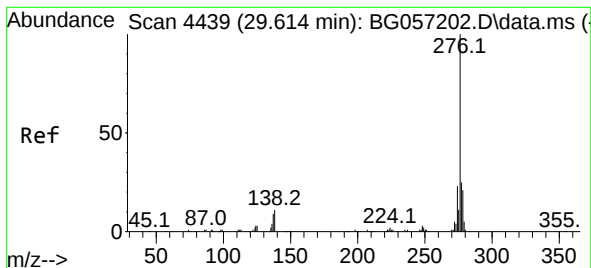


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.514 min Scan# 3741
Delta R.T. -0.001 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31



Tgt Ion:264 Resp: 141917
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.5 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.514 ng

RT: 29.544 min Scan# 4439

Delta R.T. -0.019 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Instrument :

BNA_G

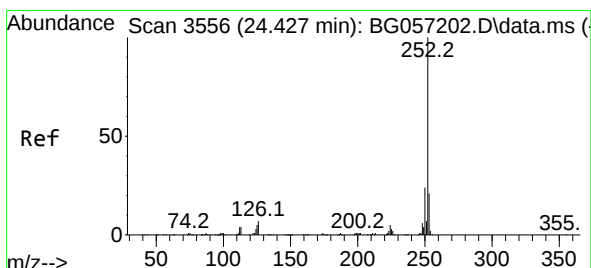
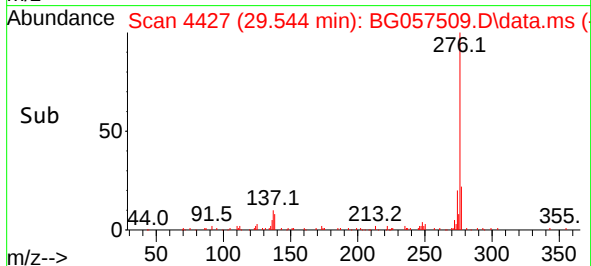
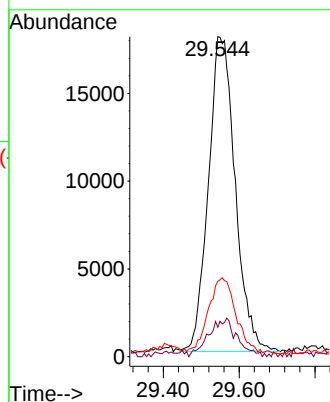
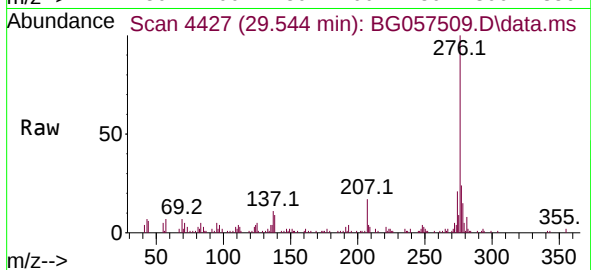
ClientSampleId :

VNJ-226

Tgt Ion:276 Resp: 8806
 Ion Ratio Lower Upper
 276 100
 138 0.0 5.4 8.0
 277 0.0 20.6 30.8

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 Supervised By :Jagrut Upadhyay 05/23/2023



#88

Benzo(b)fluoranthene

Concen: 22.776 ng

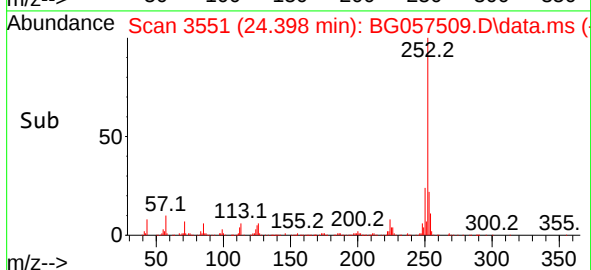
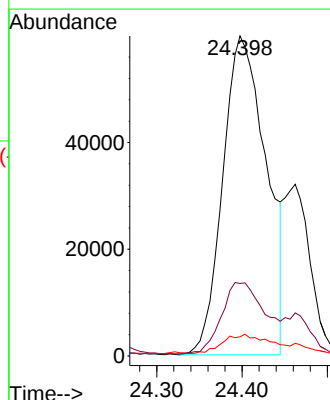
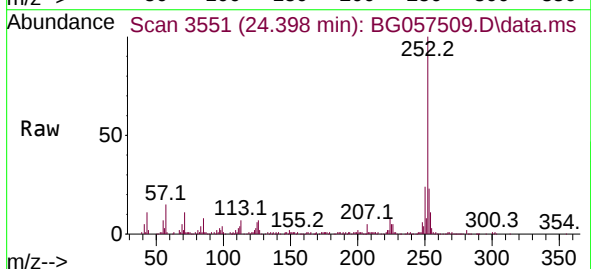
RT: 24.398 min Scan# 3551

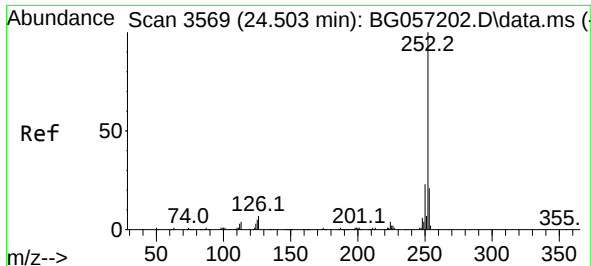
Delta R.T. 0.005 min

Lab File: BG057509.D

Acq: 23 May 2023 1:31

Tgt Ion:252 Resp: 211290
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.0 25.6
 125 6.0 4.2 6.2





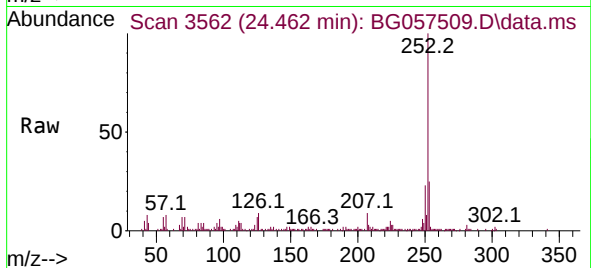
#89
Benzo(k)fluoranthene
Concen: 7.117 ng m
RT: 24.462 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Instrument :

BNA_G

ClientSampleId :

VNJ-226

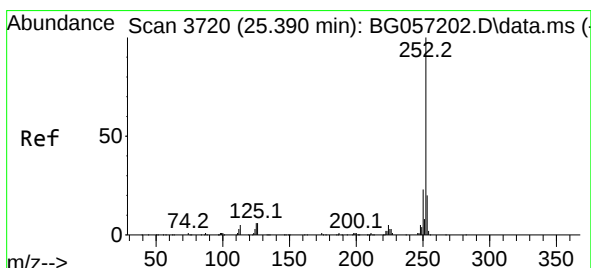
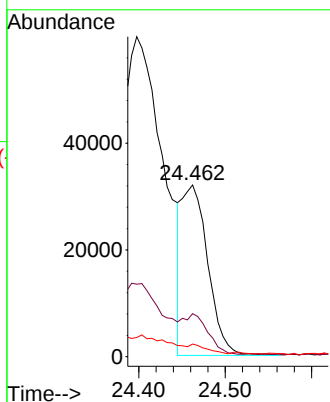
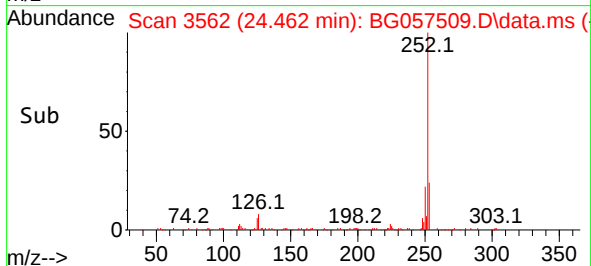


Tgt Ion:252 Resp: 67090
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 7.4 4.1 6.1

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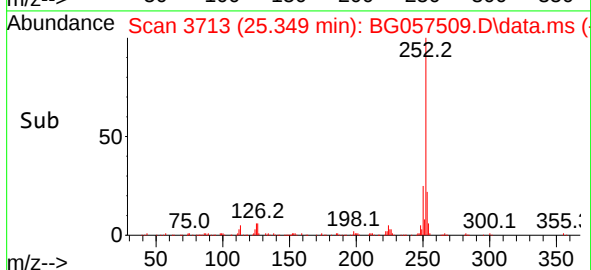
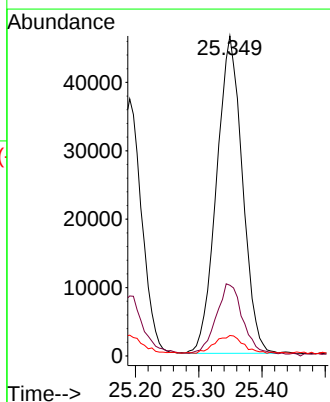
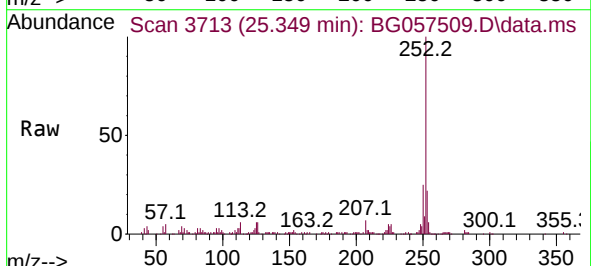
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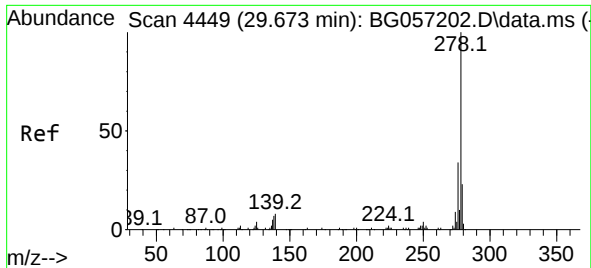
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#90
Benzo(a)pyrene
Concen: 14.544 ng
RT: 25.349 min Scan# 3713
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

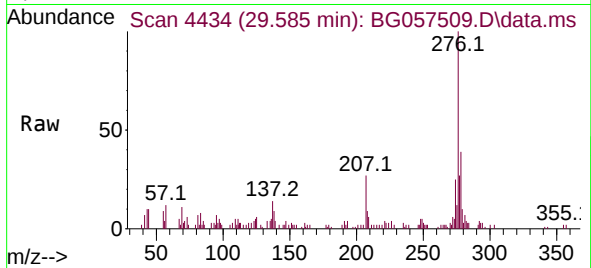
Tgt Ion:252 Resp: 131817
Ion Ratio Lower Upper
252 100
253 22.1 16.3 24.5
125 6.4 5.0 7.4





#91
Dibenzo(a,h)anthracene
Concen: 2.703 ng
RT: 29.585 min Scan# 4449
Delta R.T. -0.025 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

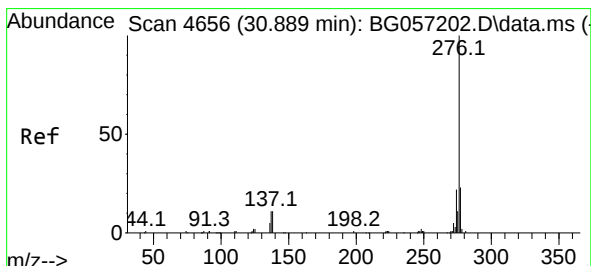
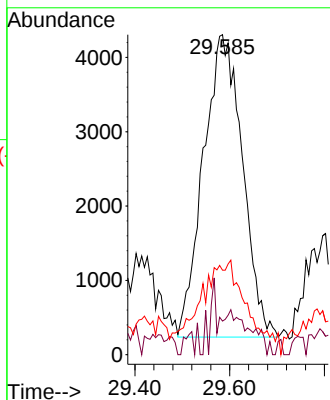
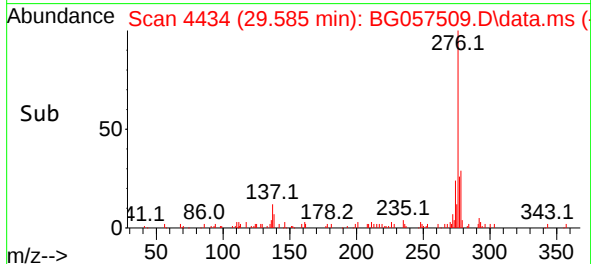
Instrument :
BNA_G
ClientSampleId :
VNJ-226



Tgt Ion:278 Resp: 23280
Ion Ratio Lower Upper
278 100
139 10.5 6.2 9.2
279 26.4 18.6 27.8

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Supervised By :Jagrut Upadhyay 05/23/2023



#92
Benzo(g,h,i)perylene
Concen: 10.939 ng
RT: 30.830 min Scan# 4646
Delta R.T. -0.007 min
Lab File: BG057509.D
Acq: 23 May 2023 1:31

Tgt Ion:276 Resp: 92005
Ion Ratio Lower Upper
276 100
277 25.6 18.4 27.6
138 14.1 9.0 13.4

