

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
 Data File : BG055285.D
 Acq On : 25 Oct 2022 21:23
 Operator : CG/JU
 Sample : N5207-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/26/2022
 Supervised By : Jagrut Upadhyay 10/27/2022

Quant Time: Oct 26 14:46:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 24 16:54:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	46130	20.000	ng	0.00
21) Naphthalene-d8	11.102	136	191500	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	118773	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	268450	20.000	ng	0.00
76) Chrysene-d12	21.895	240	256433	20.000	ng	0.00
86) Perylene-d12	25.291	264	271548	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.802	112	347194	131.786	ng	0.01
7) Phenol-d6	7.418	99	466919	122.331	ng	0.00
23) Nitrobenzene-d5	9.445	82	293987	78.391	ng	0.00
42) 2,4,6-Tribromophenol	16.366	330	172554	133.642	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	543429	74.887	ng	0.00
79) Terphenyl-d14	20.191	244	825519	66.886	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.659	178	97665	6.822	ng	98
75) Fluoranthene	19.651	202	231803	13.895	ng	98
78) Pyrene	20.009	202	194046	11.040	ng	99
81) Benzo(a)anthracene	21.871	228	101299	5.883	ng	99
83) Chrysene	21.942	228	112542	6.880	ng	98
87) Indeno(1,2,3-cd)pyrene	29.186	276	80339	4.006	ng	# 94
88) Benzo(b)fluoranthene	24.204	252	153444	9.394	ng	99
89) Benzo(k)fluoranthene	24.275	252	53389m	3.237	ng	
90) Benzo(a)pyrene	25.132	252	100820	7.198	ng	99
92) Benzo(g,h,i)perylene	30.414	276	79574	4.874	ng	98

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

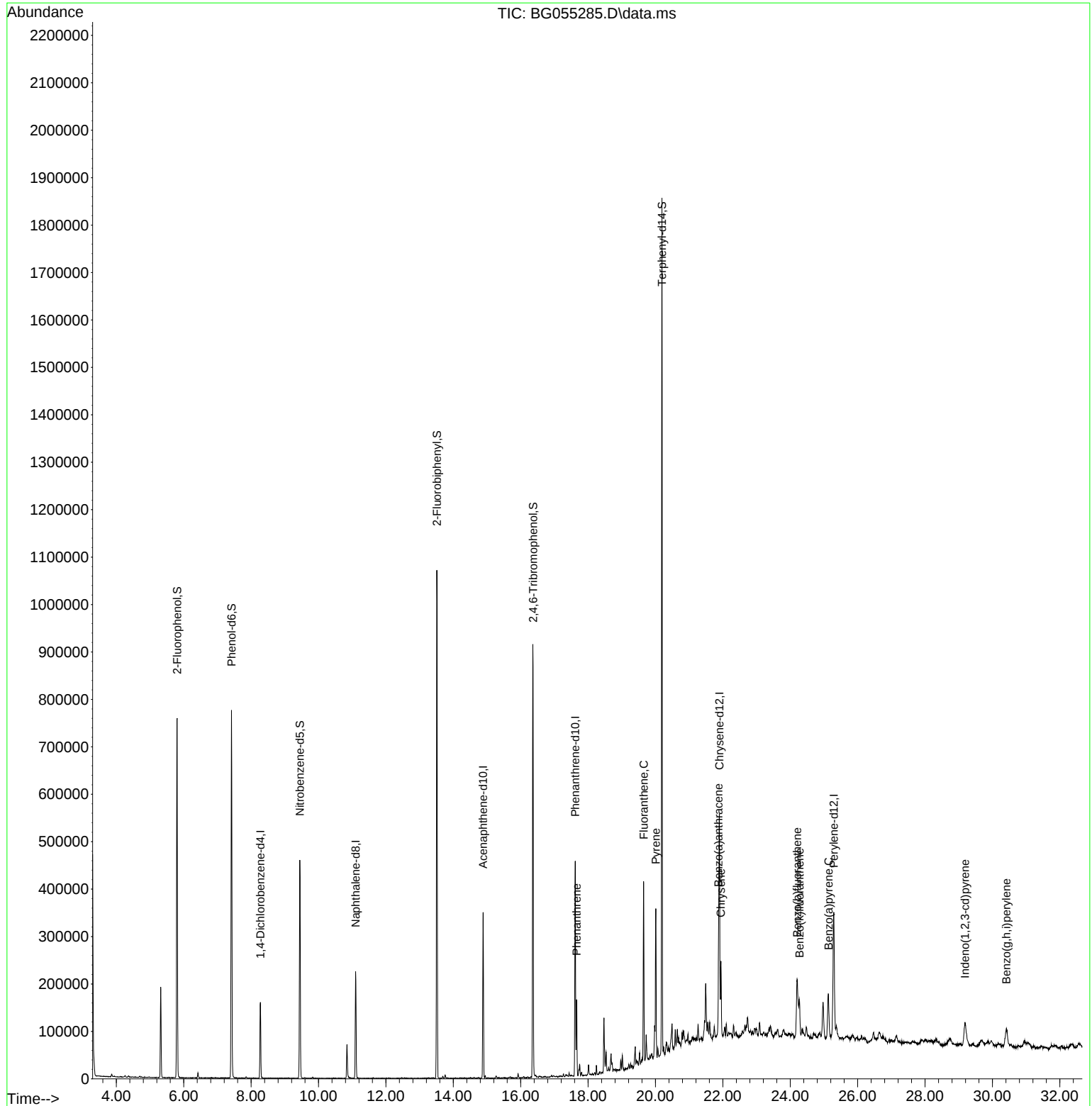
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102522\
Data File : BG055285.D
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ALS Vial : 10 Sample Multiplier: 1

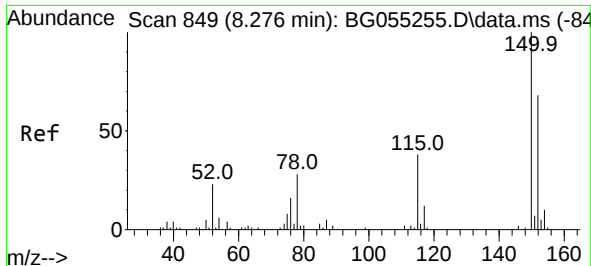
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Quant Time: Oct 26 14:46:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 24 16:54:05 2022
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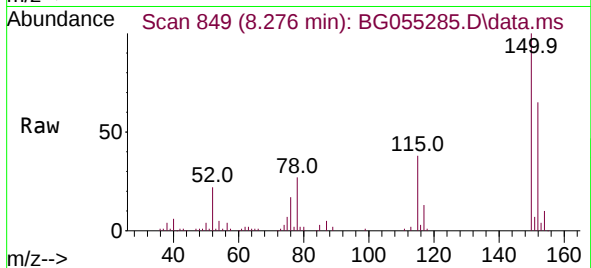
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.276 min Scan# 849
Delta R.T. -0.000 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

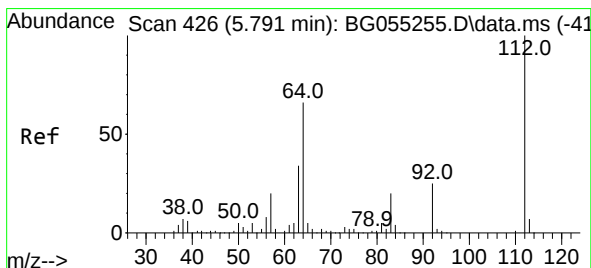
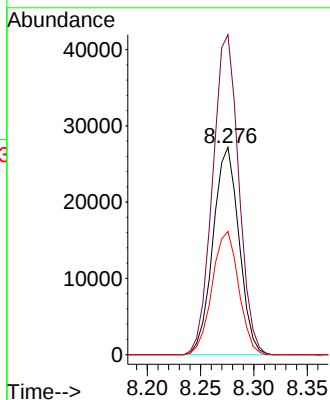
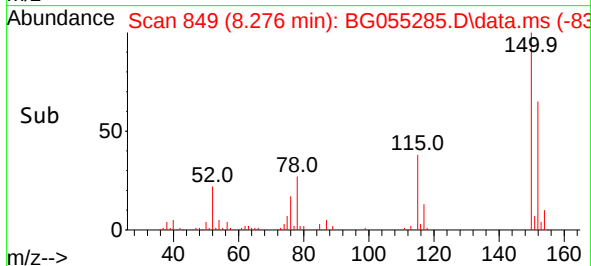
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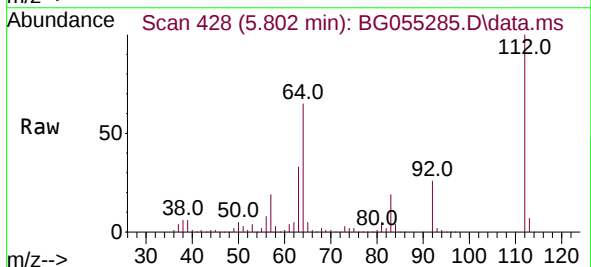
Tgt Ion:152 Resp: 46130
Ion Ratio Lower Upper
152 100
150 154.4 118.2 177.4
115 59.4 44.5 66.7

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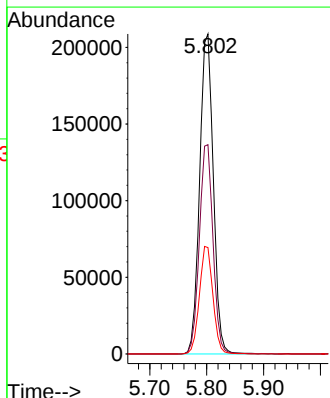
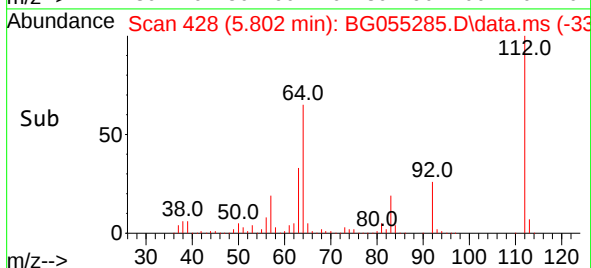
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

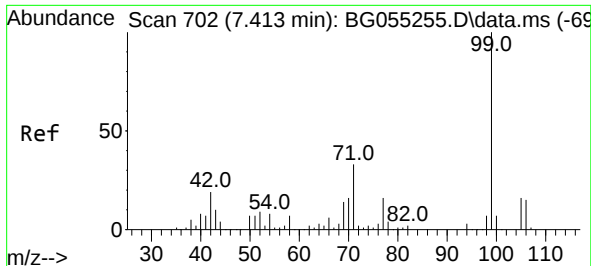


#5
2-Fluorophenol
Concen: 131.786 ng
RT: 5.802 min Scan# 428
Delta R.T. 0.011 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23



Tgt Ion:112 Resp: 347194
Ion Ratio Lower Upper
112 100
64 65.4 52.6 78.8
63 33.2 27.1 40.7





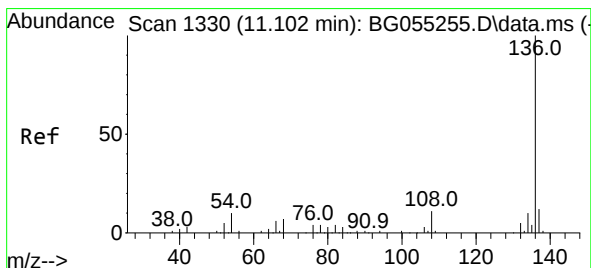
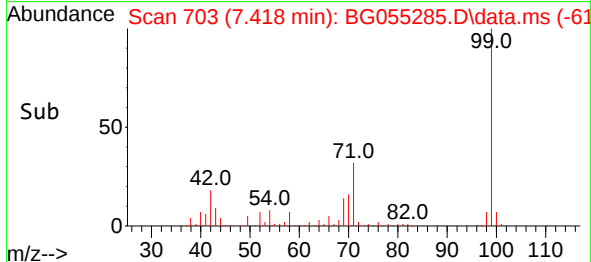
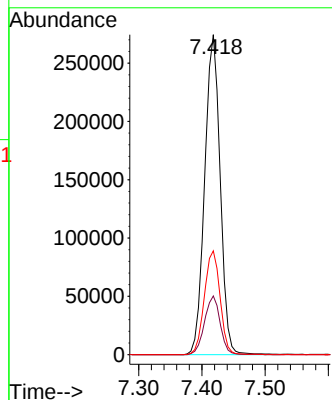
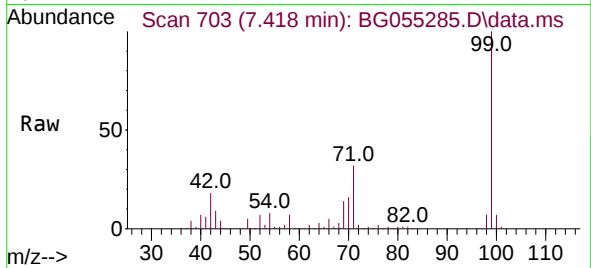
#7
Phenol-d6
Concen: 122.331 ng
RT: 7.418 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

Instrument :
BNA_G
ClientSampleId :
VNJ-221

Tgt Ion: 99 Resp: 466919
Ion Ratio Lower Upper
99 100
42 18.3 15.2 22.8
71 32.4 26.2 39.4

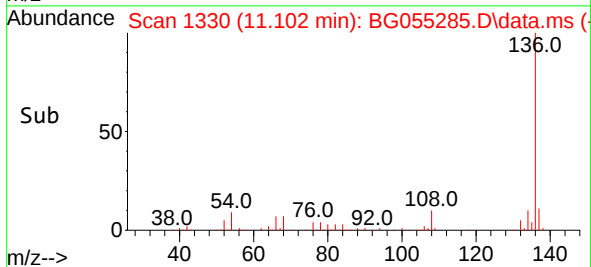
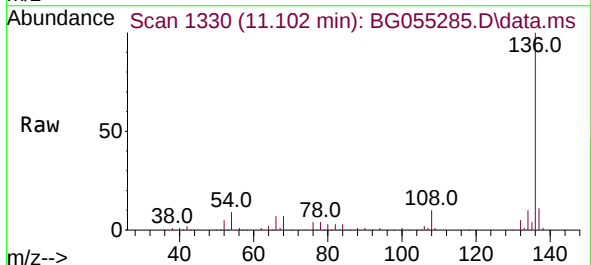
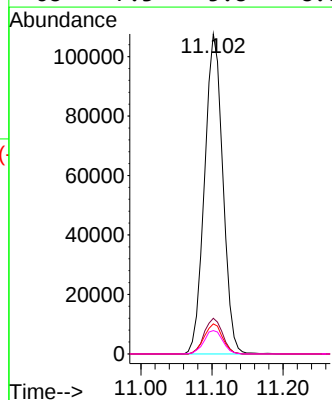
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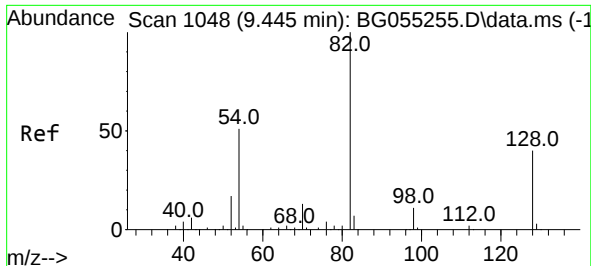
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

Tgt Ion:136 Resp: 191500
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 9.4 7.8 11.8
68 7.3 5.8 8.6





#23
Nitrobenzene-d5
Concen: 78.391 ng
RT: 9.445 min Scan# 1048
Delta R.T. -0.001 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

Instrument :

BNA_G

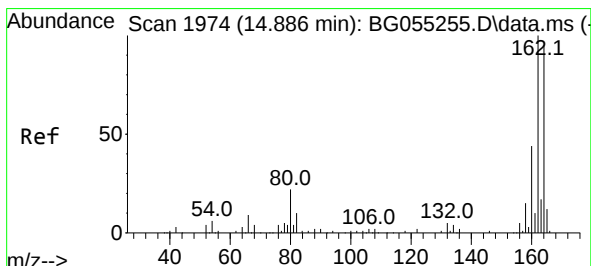
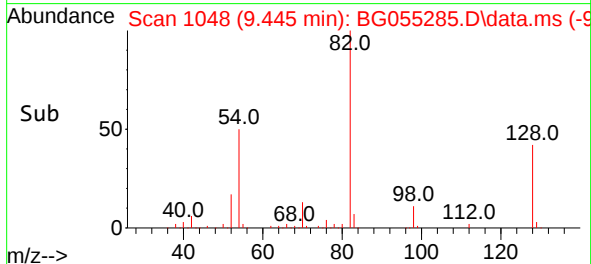
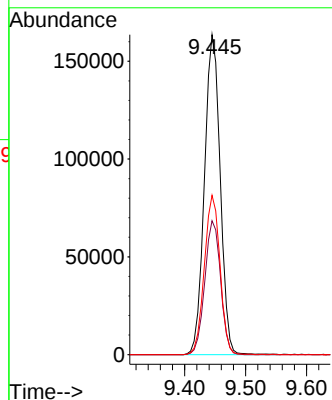
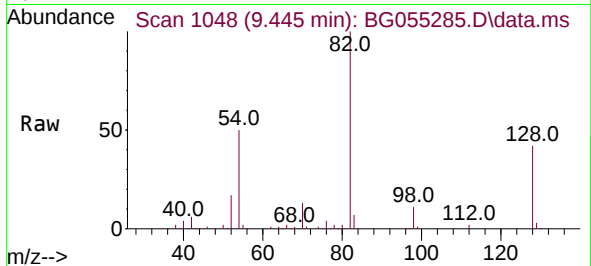
ClientSampleId :

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Tgt Ion: 82 Resp: 29398
Ion Ratio Lower Upper
82 100
128 41.8 32.0 48.0
54 49.8 40.9 61.3

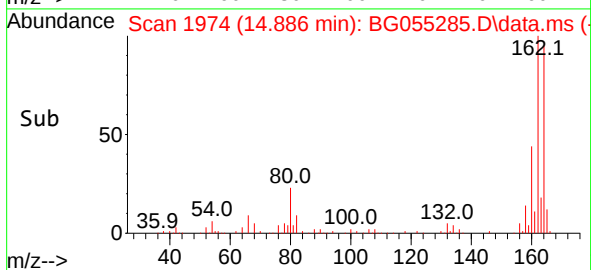
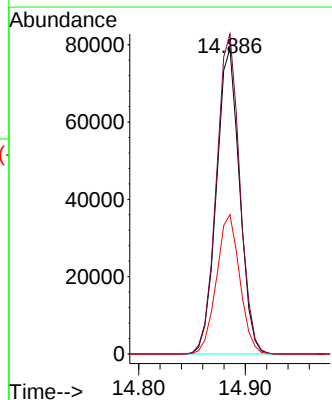
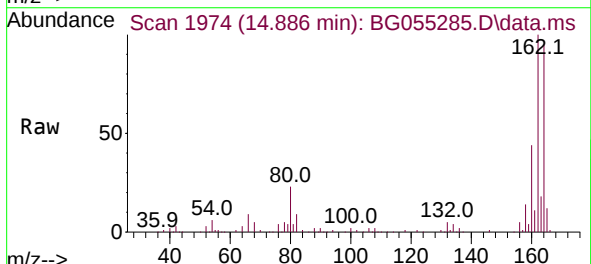
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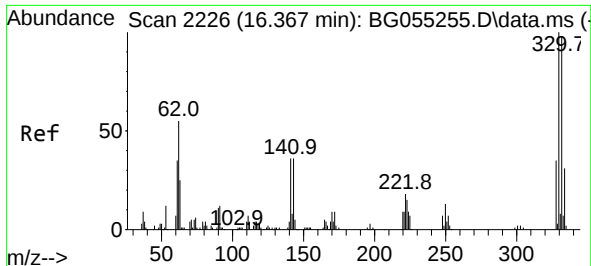
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.000 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

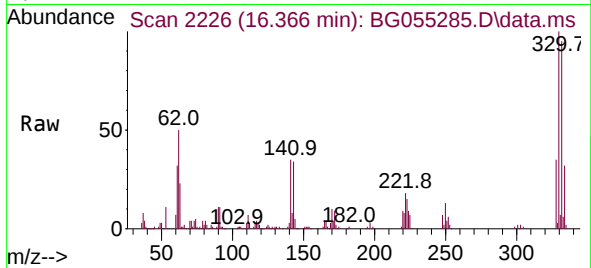
Tgt Ion:164 Resp: 118773
Ion Ratio Lower Upper
164 100
162 104.8 84.0 126.0
160 45.6 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 133.642 ng
RT: 16.366 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

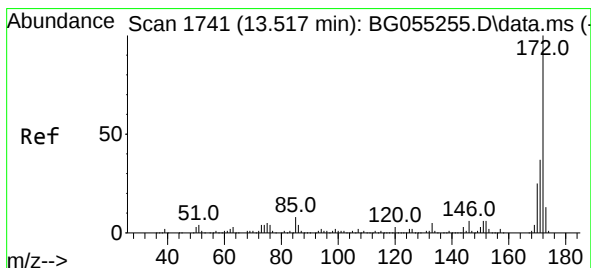
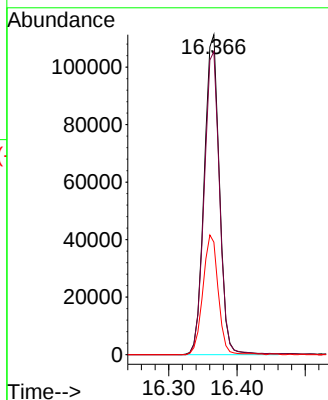
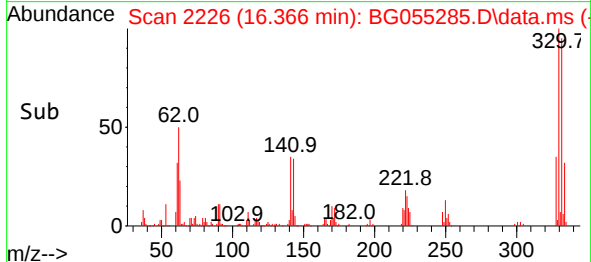
Instrument :
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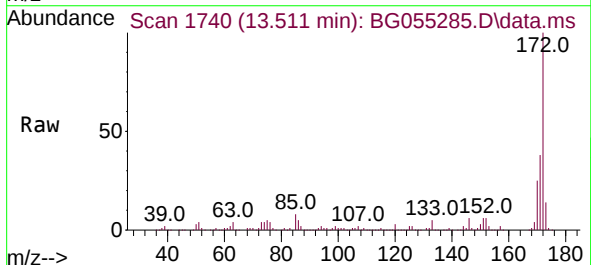
Tgt Ion:330 Resp: 172554
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 37.6 29.8 44.8

Manual Integrations
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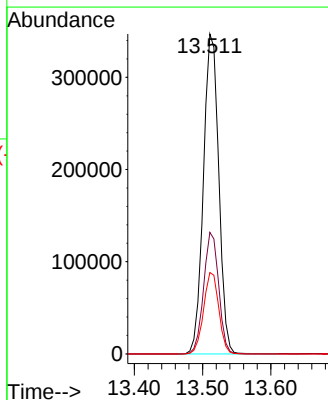
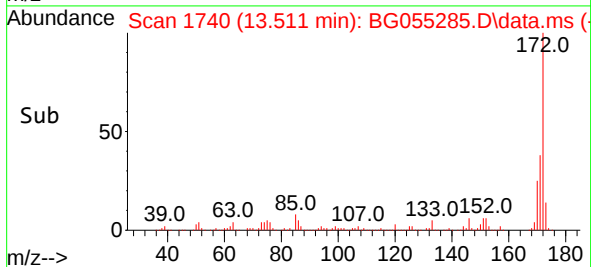
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022

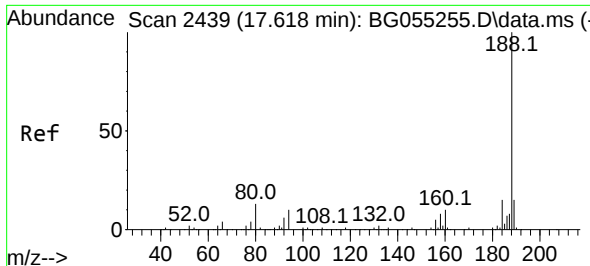


#45
2-Fluorobiphenyl
Concen: 74.887 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23



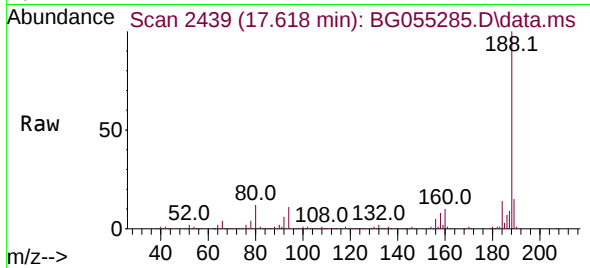
Tgt Ion:172 Resp: 543429
Ion Ratio Lower Upper
172 100
171 38.0 29.7 44.5
170 25.4 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

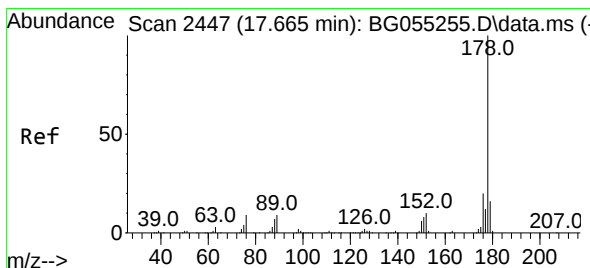
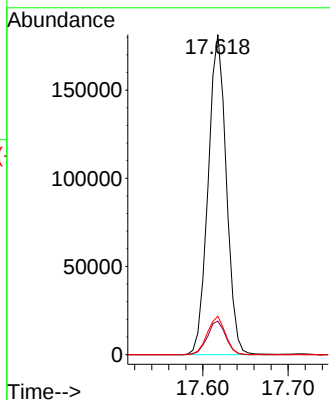
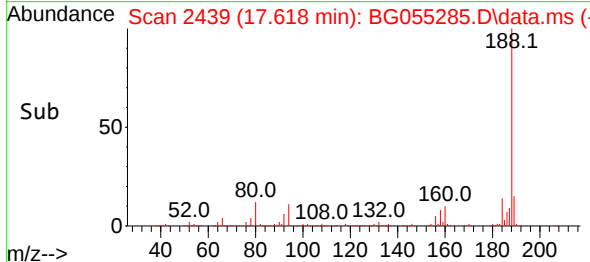
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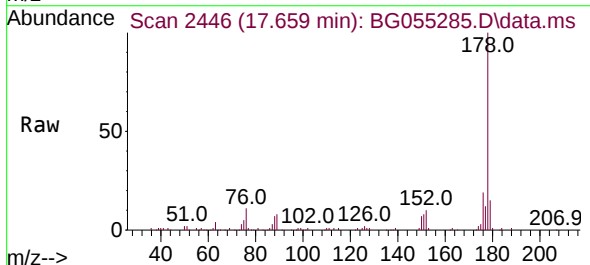
Tgt Ion:188 Resp: 268450
Ion Ratio Lower Upper
188 100
94 10.5 8.2 12.4
80 12.0 10.1 15.1

Manual Integrations
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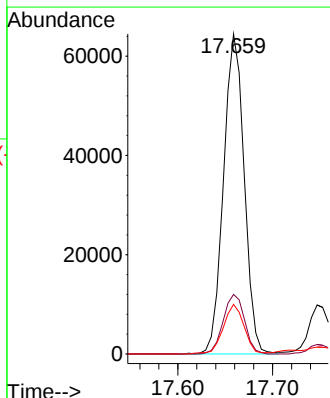
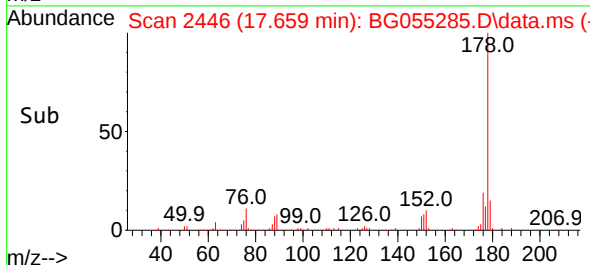
Reviewed By :Christian Giraldo 10/26/2022
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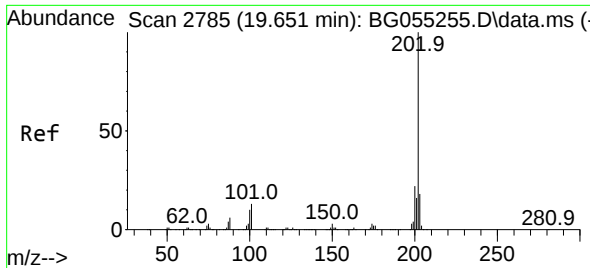


#71
Phenanthrene
Concen: 6.822 ng
RT: 17.659 min Scan# 2446
Delta R.T. -0.006 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23



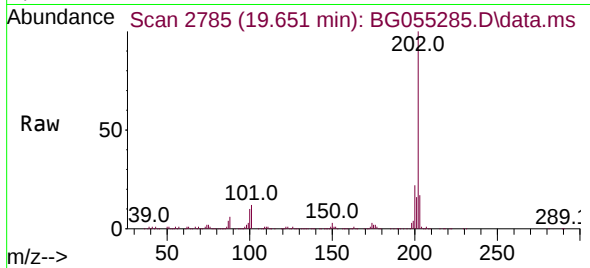
Tgt Ion:178 Resp: 97665
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.5 12.6 19.0





#75
Fluoranthene
Concen: 13.895 ng
RT: 19.651 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

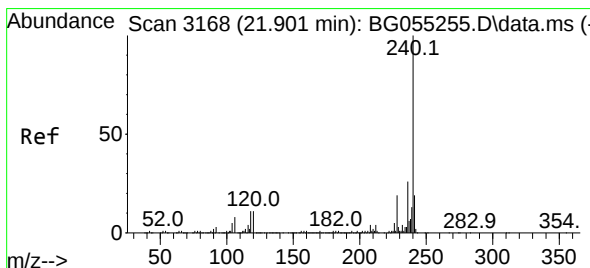
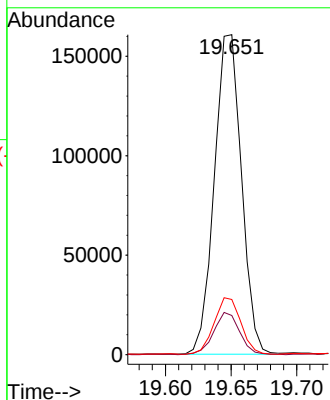
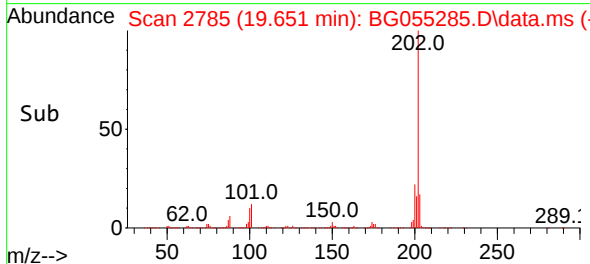
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BNA_G
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Tgt Ion:202 Resp: 231803
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.6
203 17.2 0.0 38.3

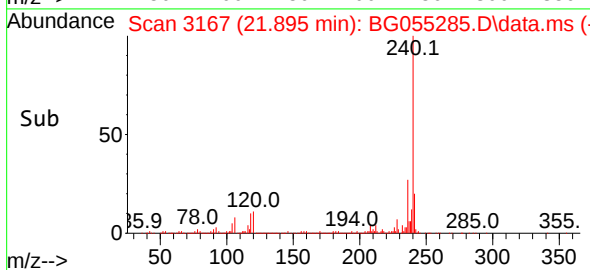
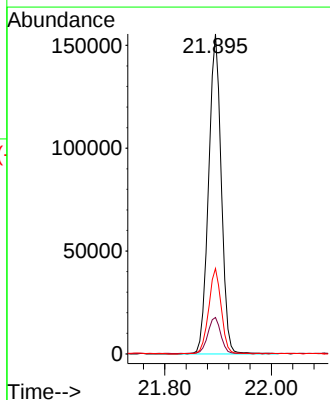
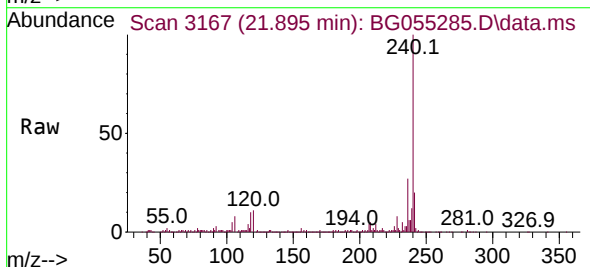
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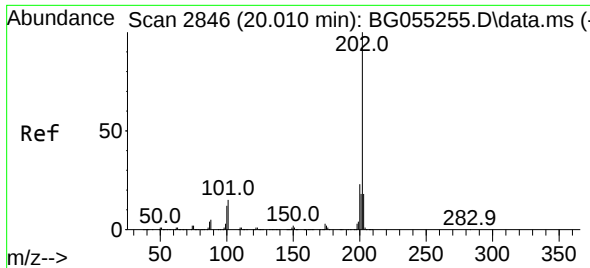
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3167
Delta R.T. -0.006 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

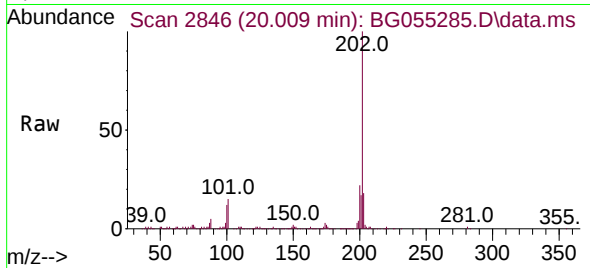
Tgt Ion:240 Resp: 256433
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 26.7 21.0 31.4





#78
 Pyrene
 Concen: 11.040 ng
 RT: 20.009 min Scan# 2846
 Delta R.T. -0.001 min
 Lab File: BG055285.D
 Acq: 25 Oct 2022 21:23

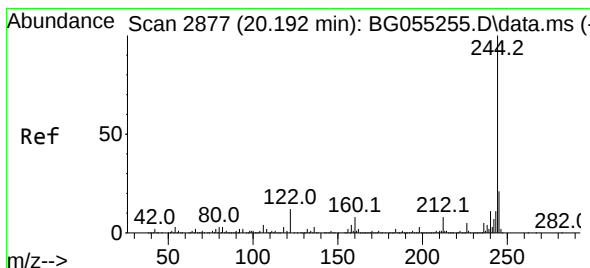
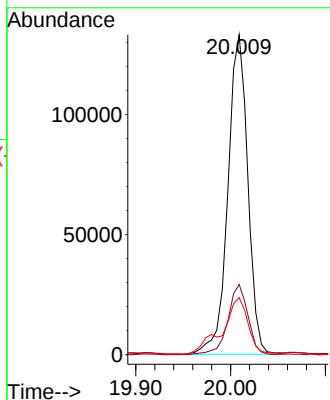
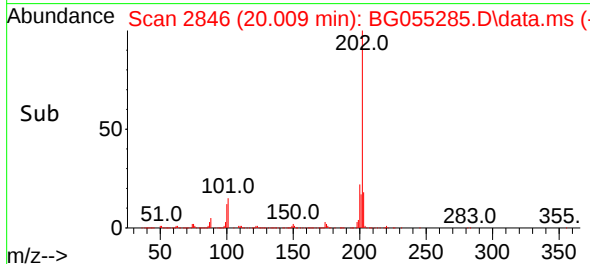
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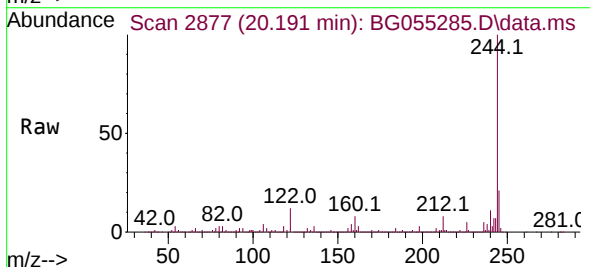
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 Ion Ratio Lower Upper
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 200 21.9 18.0 27.0
 203 17.8 14.3 21.5

Manual Integrations
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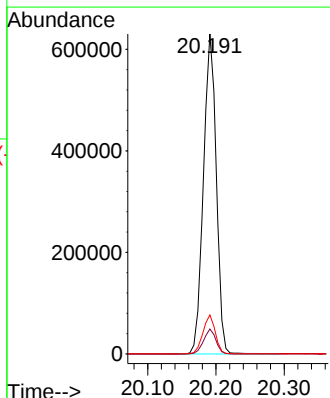
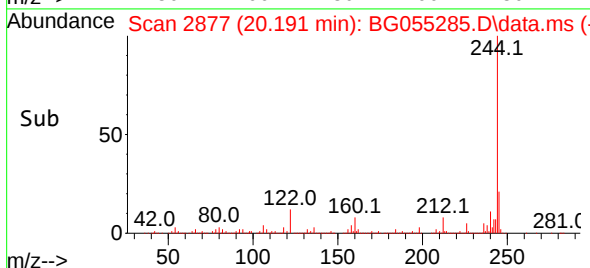
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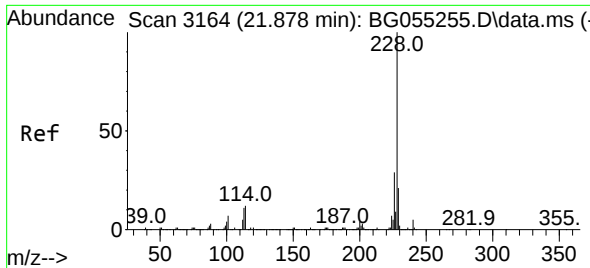


#79
 Terphenyl-d14
 Concen: 66.886 ng
 RT: 20.191 min Scan# 2877
 Delta R.T. -0.001 min
 Lab File: BG055285.D
 Acq: 25 Oct 2022 21:23



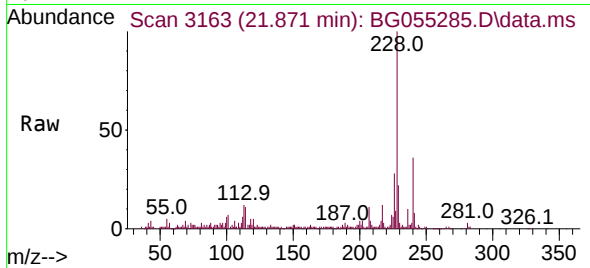
Tgt Ion:244 Resp: 825519
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 12.2 9.6 14.4





#81
Benzo(a)anthracene
Concen: 5.883 ng
RT: 21.871 min Scan# 3163
Delta R.T. -0.006 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

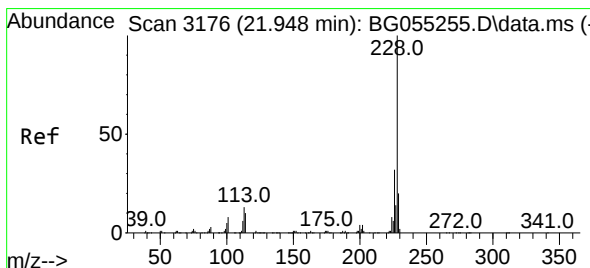
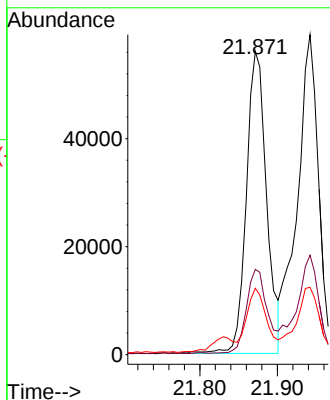
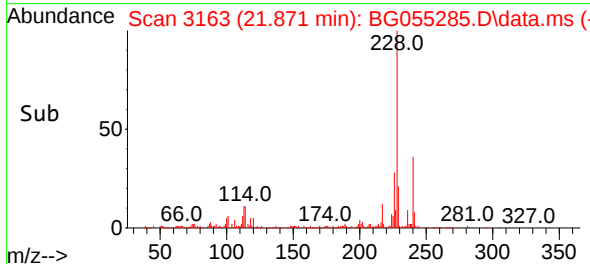
Instrument :
BNA_G
ClientSampleId :
VNJ-221



Tgt Ion:228 Resp: 101299
Ion Ratio Lower Upper
228 100
226 28.1 22.9 34.3
229 21.9 16.7 25.1

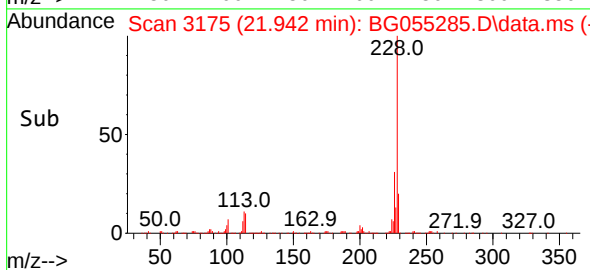
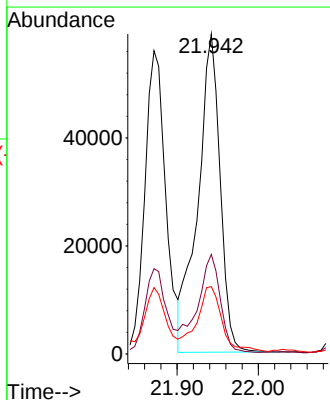
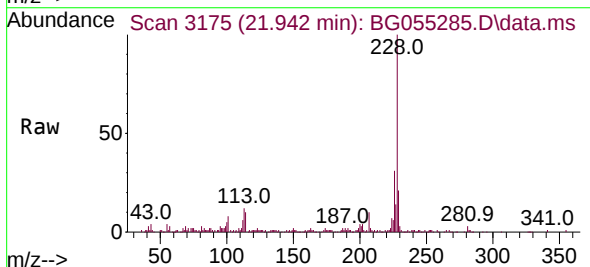
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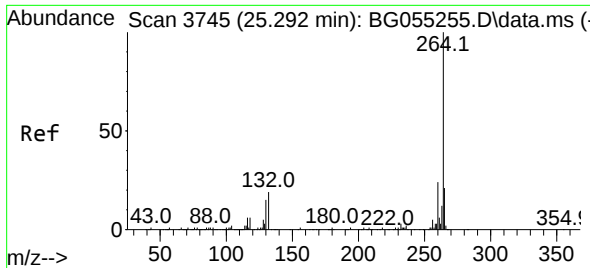
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#83
Chrysene
Concen: 6.880 ng
RT: 21.942 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

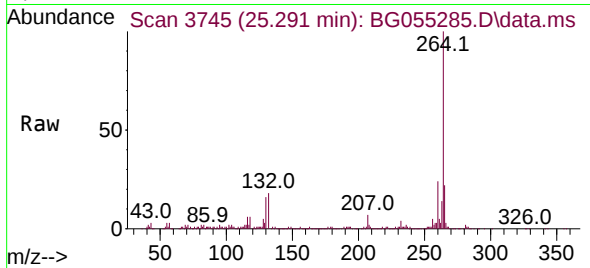
Tgt Ion:228 Resp: 112542
Ion Ratio Lower Upper
228 100
226 31.1 25.8 38.8
229 21.0 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.291 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

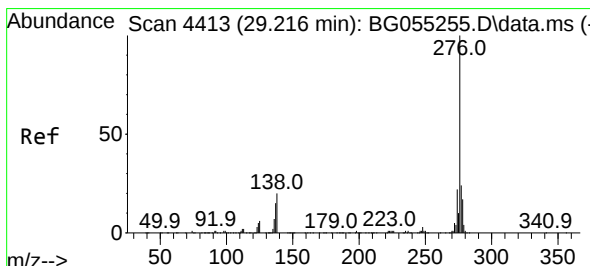
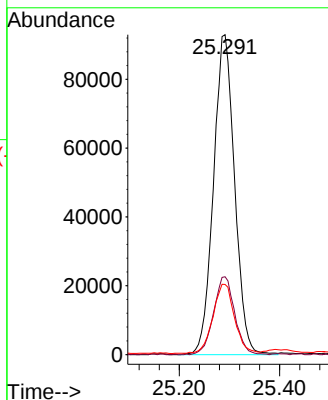
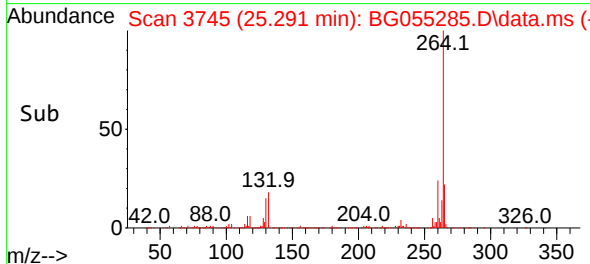
Instrument :
BNA_G
ClientSampleId :
VNJ-221



Tgt Ion:264 Resp: 271548
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.9 17.4 26.2

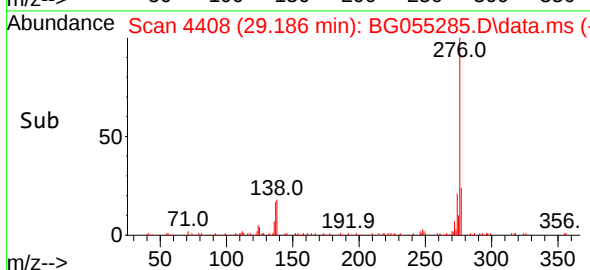
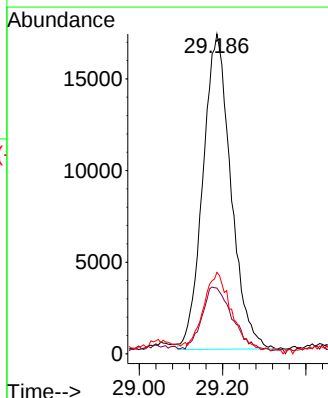
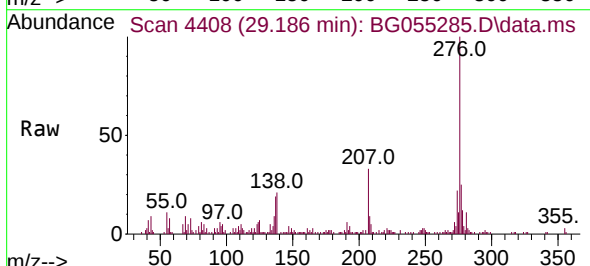
Manual Integrations
APPROVED

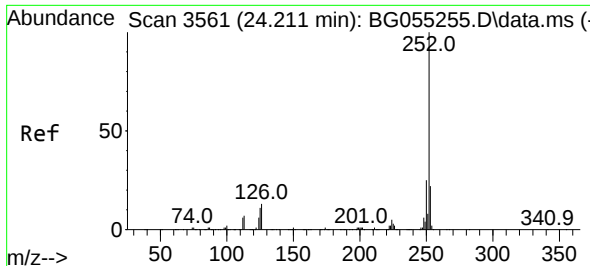
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.006 ng
RT: 29.186 min Scan# 4408
Delta R.T. -0.030 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

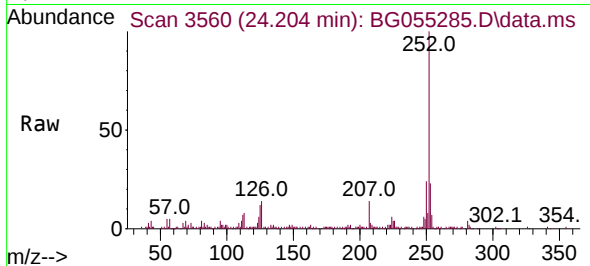
Tgt Ion:276 Resp: 80339
Ion Ratio Lower Upper
276 100
138 21.7 13.9 20.9#
277 23.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 9.394 ng
RT: 24.204 min Scan# 3560
Delta R.T. -0.006 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

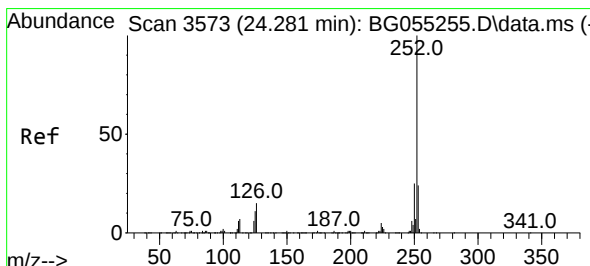
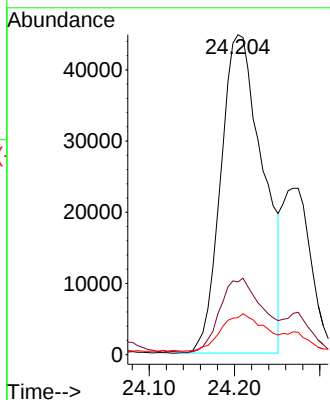
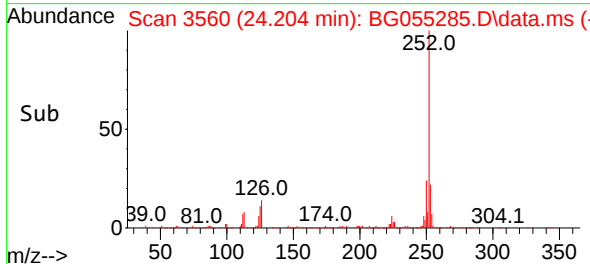
Instrument :
BNA_G
ClientSampleId :
VNJ-221



Tgt Ion:252 Resp: 153444
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 11.6 9.0 13.4

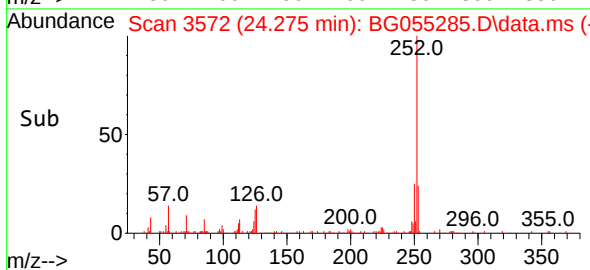
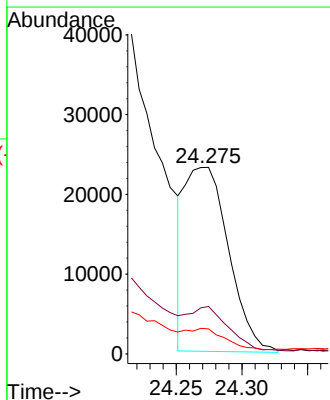
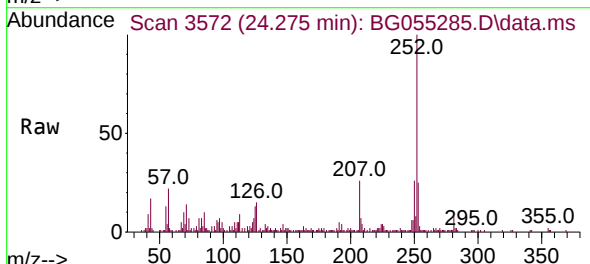
Manual Integrations
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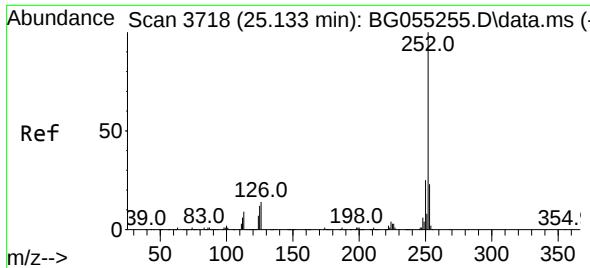
Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#89
Benzo(k)fluoranthene
Concen: 3.237 ng m
RT: 24.275 min Scan# 3572
Delta R.T. -0.006 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

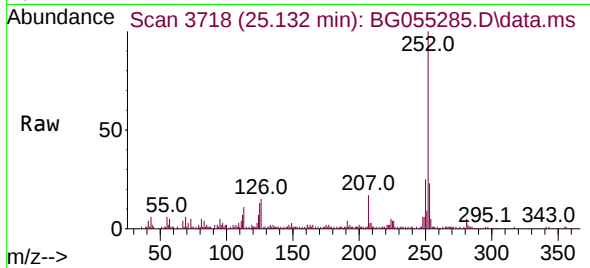
Tgt Ion:252 Resp: 53389
Ion Ratio Lower Upper
252 100
253 25.4 18.6 27.8
125 13.4 9.1 13.7





#90
Benzo(a)pyrene
Concen: 7.198 ng
RT: 25.132 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

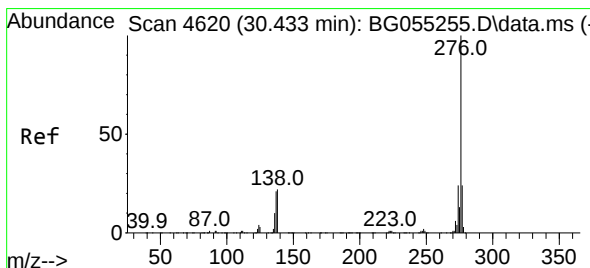
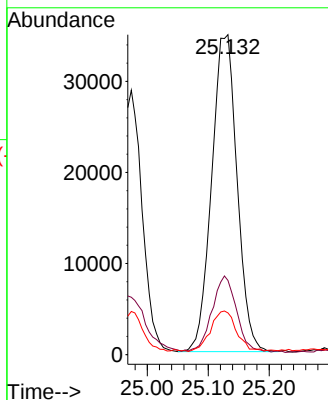
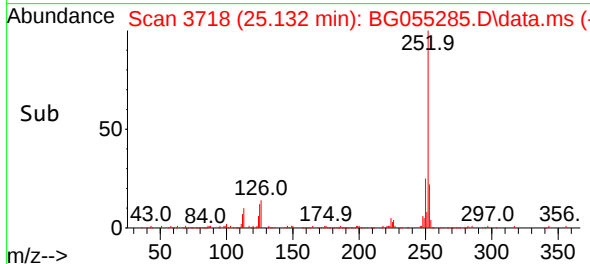
Instrument :
BNA_G
ClientSampleId :
VNJ-221



Tgt Ion:252 Resp: 100820
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.2
125 13.0 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/26/2022
Supervised By :Jagrut Upadhyay 10/27/2022



#92
Benzo(g,h,i)perylene
Concen: 4.874 ng
RT: 30.414 min Scan# 4617
Delta R.T. -0.018 min
Lab File: BG055285.D
Acq: 25 Oct 2022 21:23

Tgt Ion:276 Resp: 79574
Ion Ratio Lower Upper
276 100
277 23.0 19.1 28.7
138 22.9 17.2 25.8

