

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055676.D
 Acq On : 17 Nov 2022 22:03
 Operator : CG/JU
 Sample : N5607-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-36

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/18/2022
 Supervised By : Jagrut Upadhyay 11/18/2022

Quant Time: Nov 18 03:17:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	53956	20.000	ng	0.00
21) Naphthalene-d8	11.079	136	222989	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	147969	20.000	ng	0.00
64) Phenanthrene-d10	17.612	188	306307	20.000	ng	0.00
76) Chrysene-d12	21.913	240	283792	20.000	ng	0.00
86) Perylene-d12	25.333	264	301717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	282588	94.667	ng	0.00
7) Phenol-d6	7.401	99	365938	92.092	ng	0.01
23) Nitrobenzene-d5	9.422	82	231529	54.879	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	168661	80.947	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	556633	56.357	ng	0.00
79) Terphenyl-d14	20.203	244	772114	54.418	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.653	178	41985	2.540	ng	97
75) Fluoranthene	19.657	202	207978	10.342	ng	99
78) Pyrene	20.015	202	300632	15.650	ng	99
81) Benzo(a)anthracene	21.896	228	183882	9.407	ng	98
83) Chrysene	21.960	228	223087	11.989	ng	98
87) Indeno(1,2,3-cd)pyrene	29.252	276	111684	4.518	ng	# 90
88) Benzo(b)fluoranthene	24.240	252	255169	12.986	ng	# 97
89) Benzo(k)fluoranthene	24.304	252	85002m	4.340	ng	
90) Benzo(a)pyrene	25.168	252	197406	11.707	ng	99
92) Benzo(g,h,i)perylene	30.480	276	115551	5.676	ng	99

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

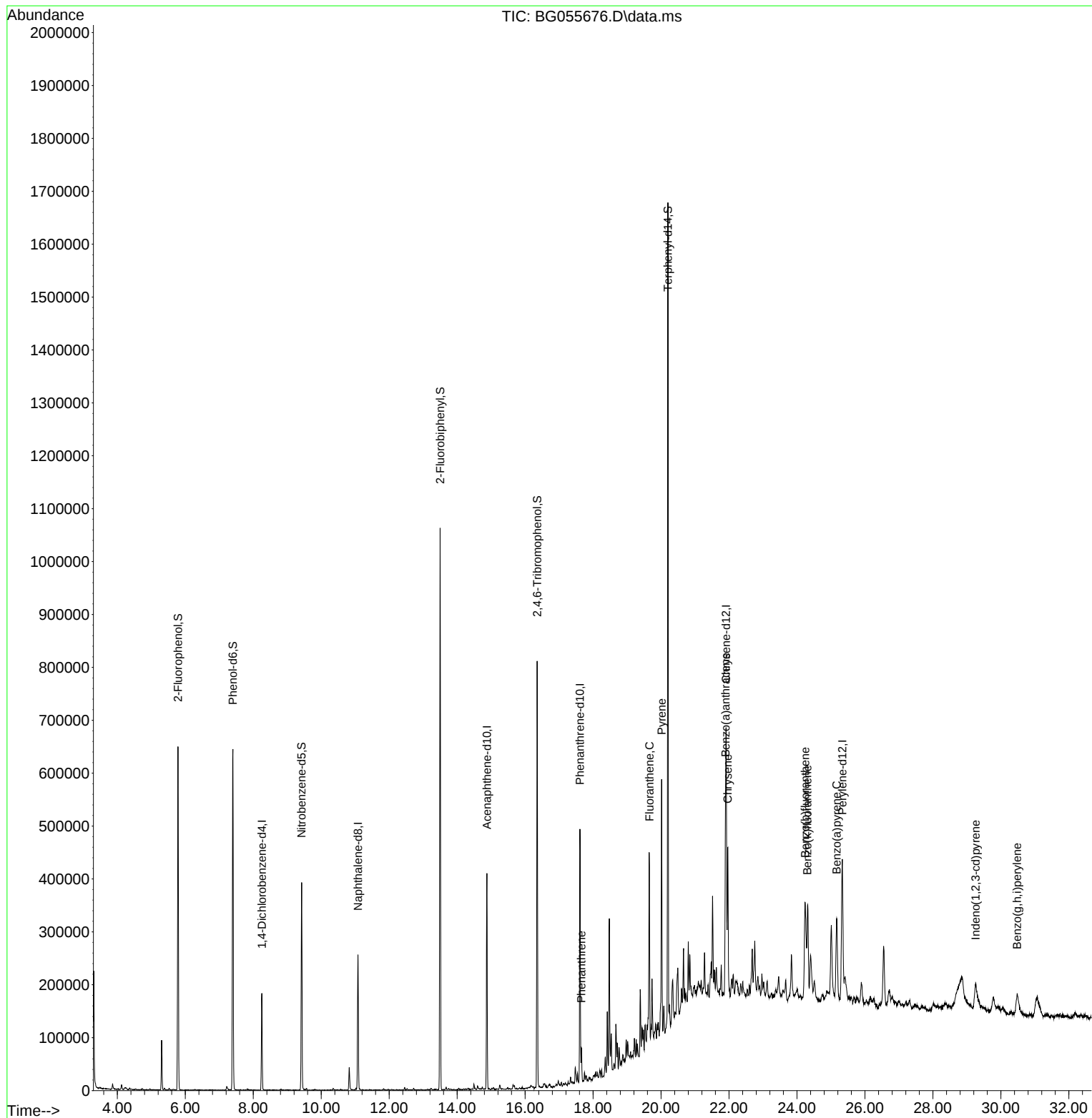
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
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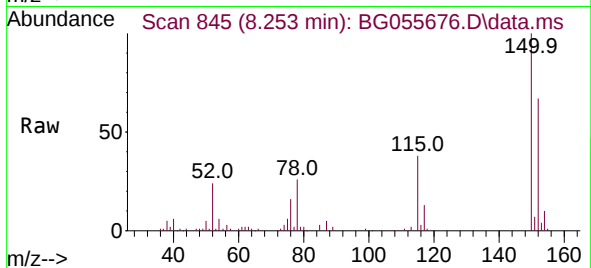
Reviewed By : Christian Giraldo 11/18/2022
Supervised By : Jagrut Upadhyay 11/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

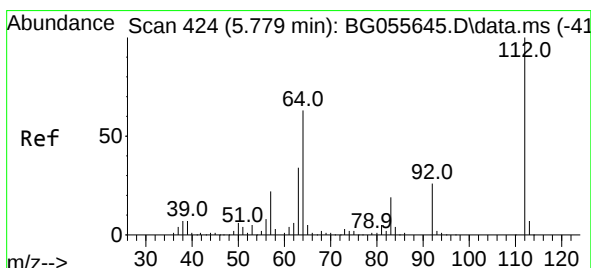
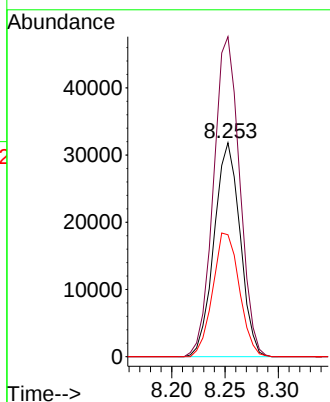
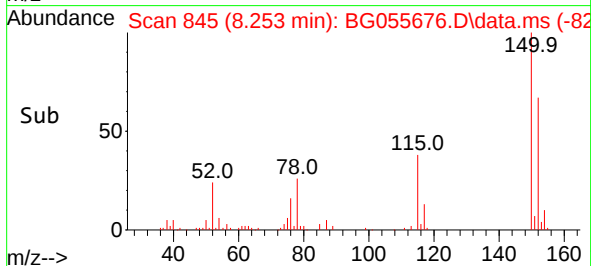
Instrument :
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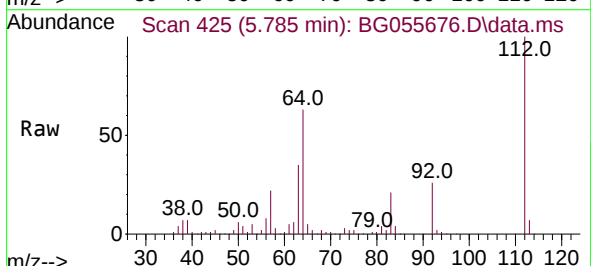
Tgt Ion:152 Resp: 53956
Ion Ratio Lower Upper
152 100
150 149.7 123.0 184.6
115 57.0 47.0 70.4

Manual Integrations
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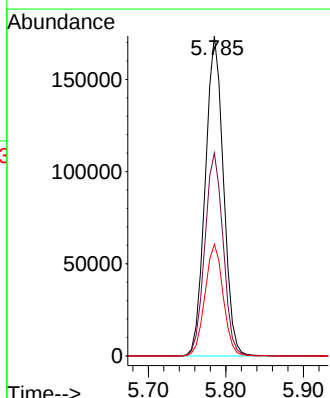
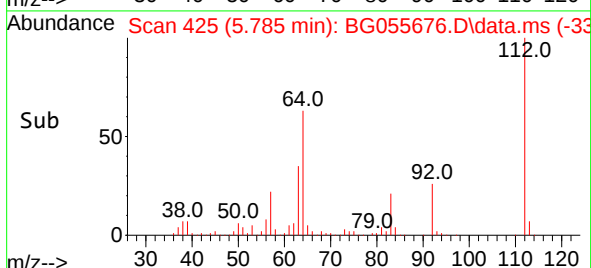
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#5
2-Fluorophenol
Concen: 94.667 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03



Tgt Ion:112 Resp: 282588
Ion Ratio Lower Upper
112 100
64 63.4 50.6 76.0
63 34.9 27.5 41.3





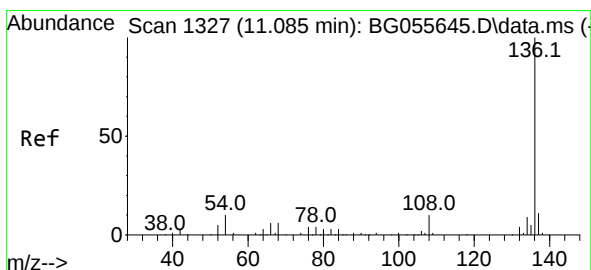
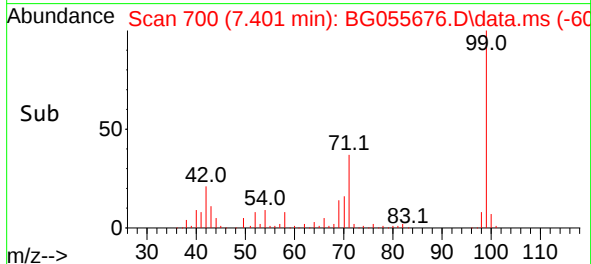
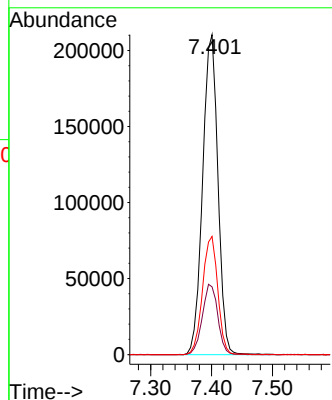
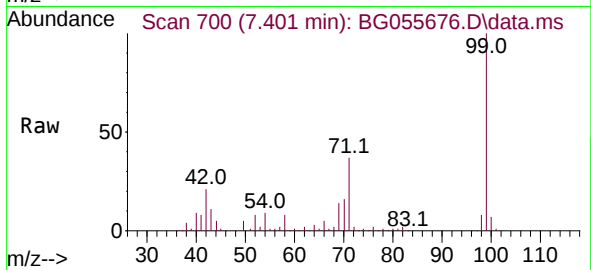
#7
Phenol-d6
Concen: 92.092 ng
RT: 7.401 min Scan# 70
Delta R.T. 0.012 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

Instrument :
BNA_G
ClientSampleId :
SB-36

Tgt Ion: 99 Resp: 365938
Ion Ratio Lower Upper
99 100
42 21.2 18.0 27.0
71 36.9 29.0 43.6

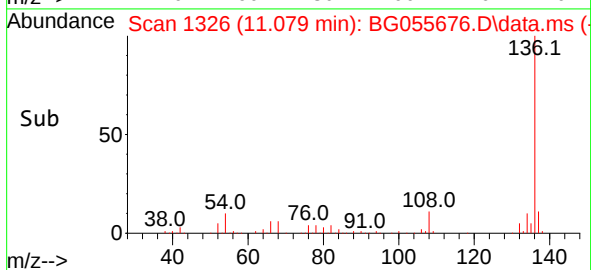
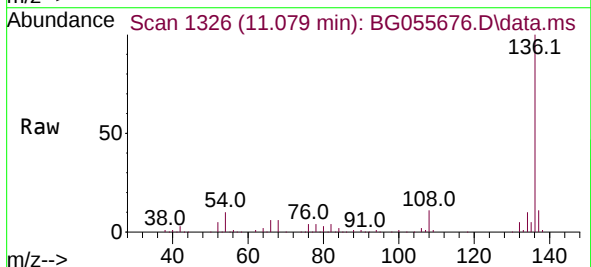
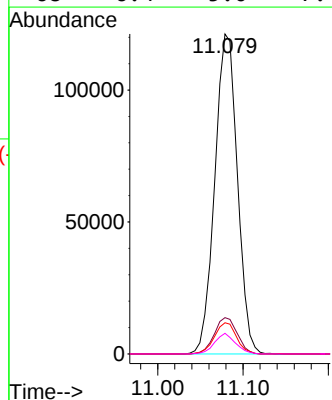
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.079 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

Tgt Ion:136 Resp: 222989
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.7 7.8 11.6
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 54.879 ng

RT: 9.422 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BG055676.D

Acq: 17 Nov 2022 22:03

Instrument :

BNA_G

ClientSampleId :

SB-36

Tgt Ion: 82 Resp: 231529

Ion Ratio Lower Upper

82 100

128 43.7 34.1 51.1

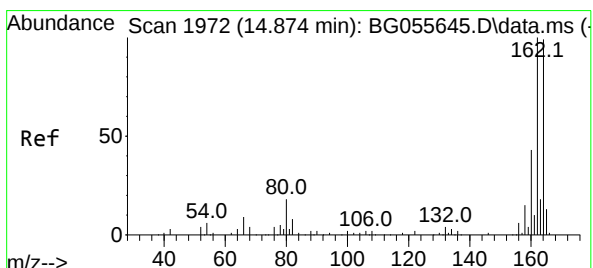
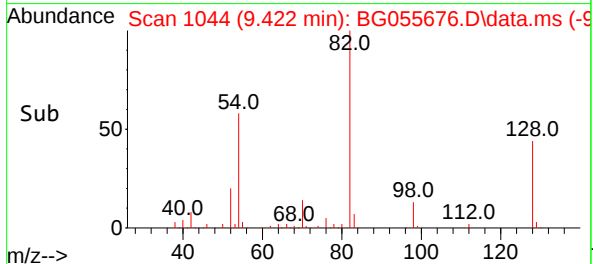
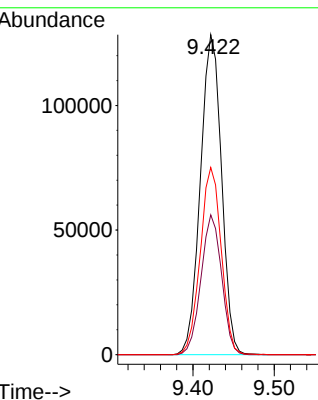
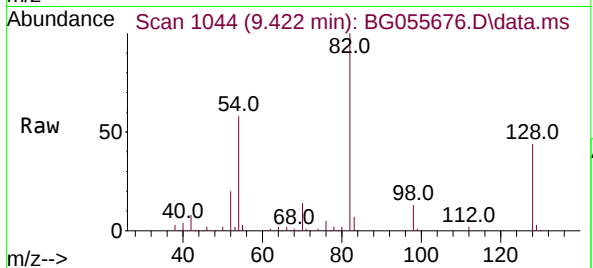
54 58.5 47.3 70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.874 min Scan# 1972

Delta R.T. -0.000 min

Lab File: BG055676.D

Acq: 17 Nov 2022 22:03

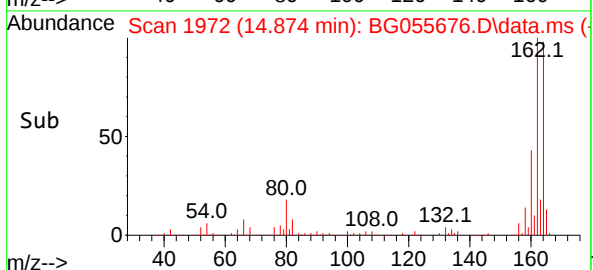
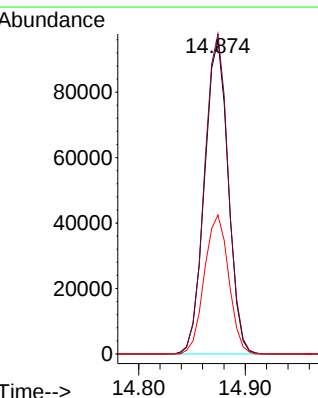
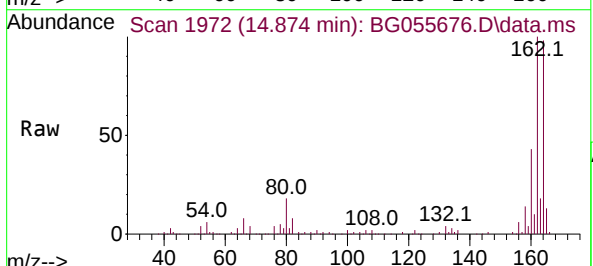
Tgt Ion:164 Resp: 147969

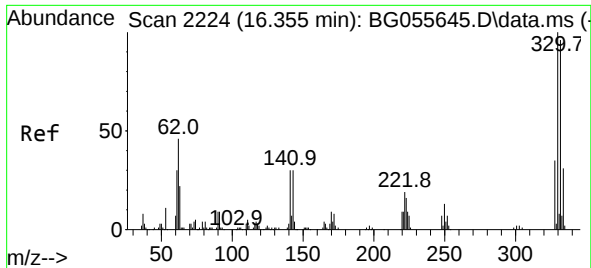
Ion Ratio Lower Upper

164 100

162 101.9 81.1 121.7

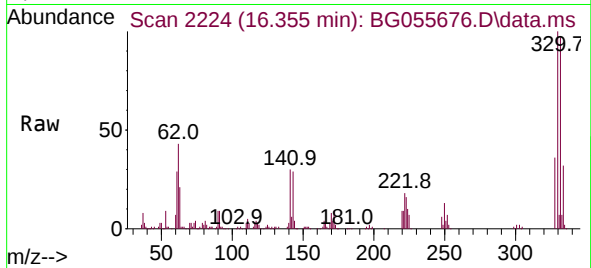
160 44.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 80.947 ng
RT: 16.355 min Scan# 2224
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

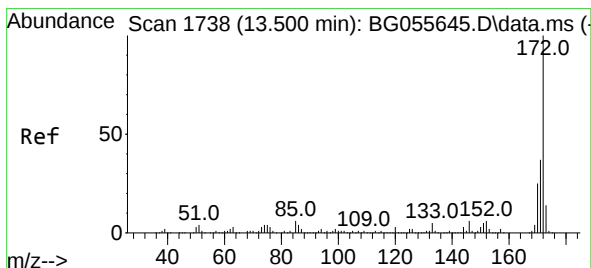
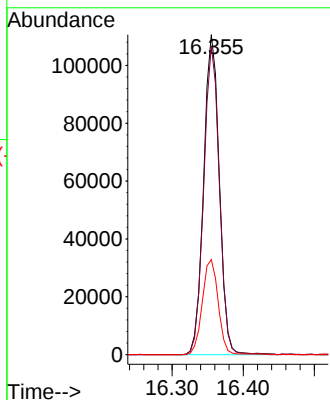
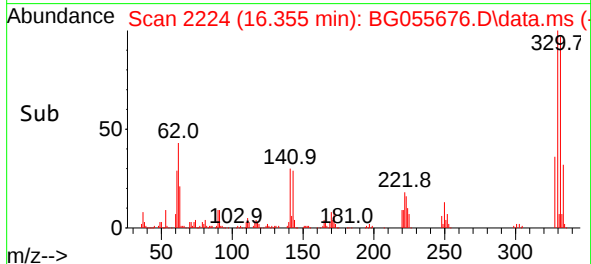
Instrument :
BNA_G
ClientSampleId :
SB-36



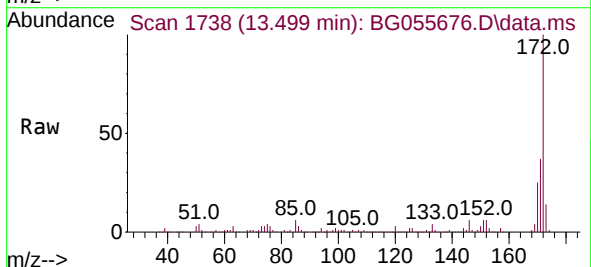
Tgt Ion:330 Resp: 168663
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.8
141 30.2 23.9 35.9

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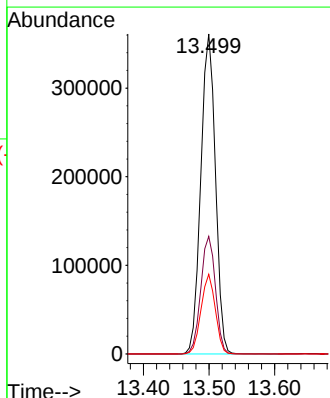
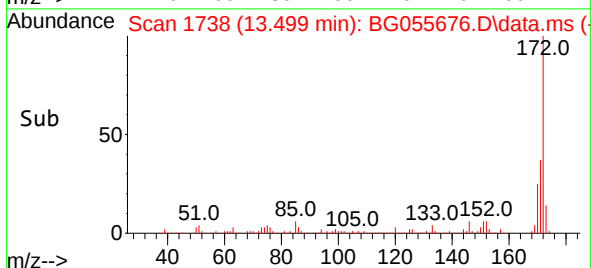
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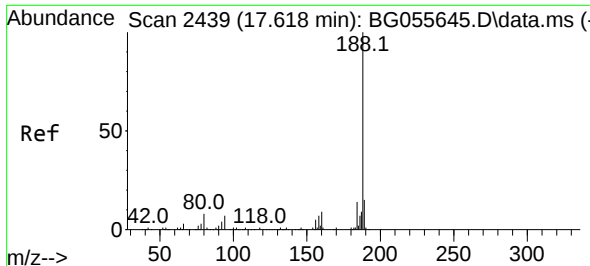


#45
2-Fluorobiphenyl
Concen: 56.357 ng
RT: 13.499 min Scan# 1738
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03



Tgt Ion:172 Resp: 556633
Ion Ratio Lower Upper
172 100
171 36.7 29.8 44.6
170 24.9 20.2 30.4





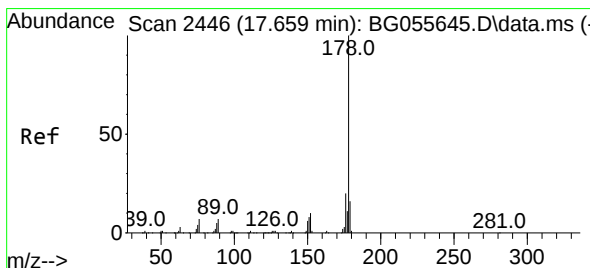
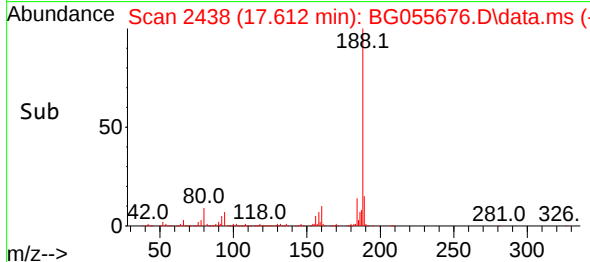
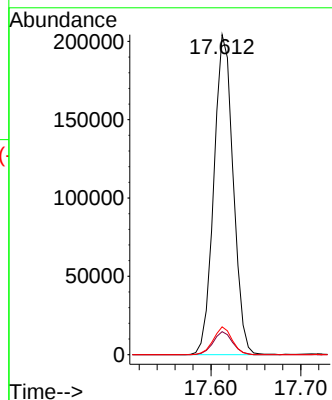
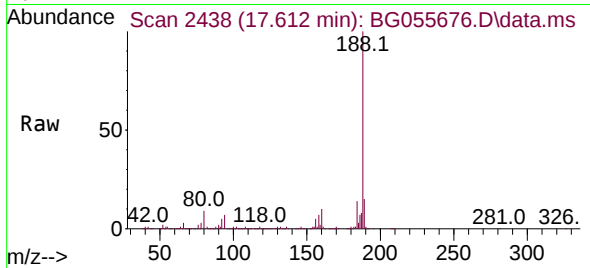
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.612 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

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ClientSampleId :
SB-36

Tgt Ion:188 Resp: 306307
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.7 6.6 10.0

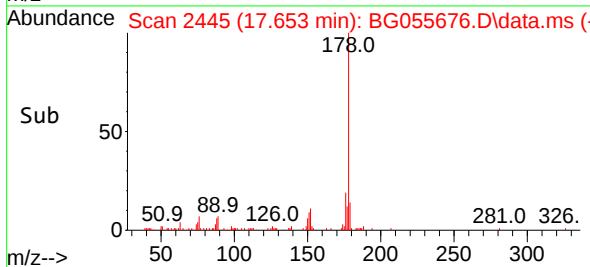
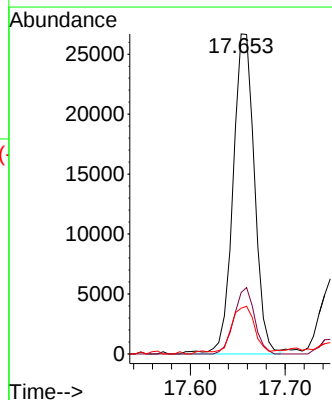
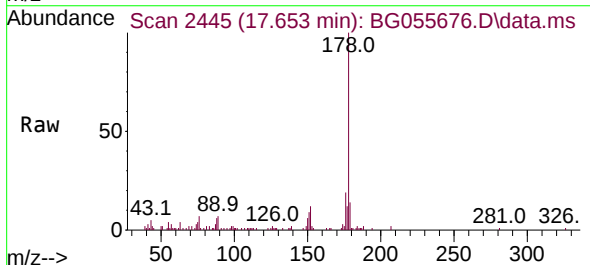
Manual Integrations
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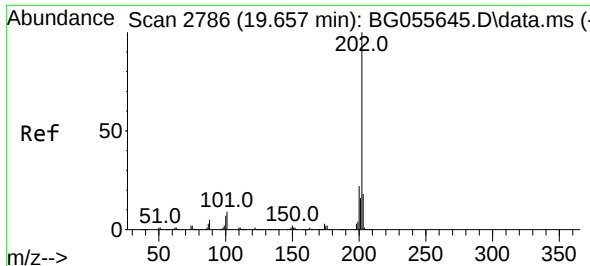
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#71
Phenanthrene
Concen: 2.540 ng
RT: 17.653 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

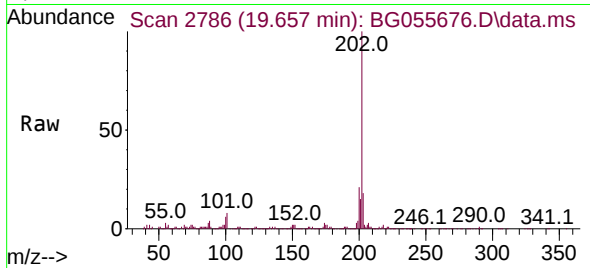
Tgt Ion:178 Resp: 41985
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 14.3 12.7 19.1





#75
Fluoranthene
Concen: 10.342 ng
RT: 19.657 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

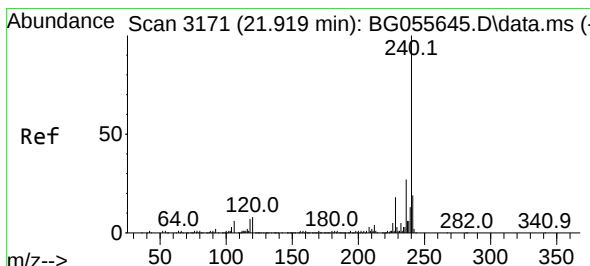
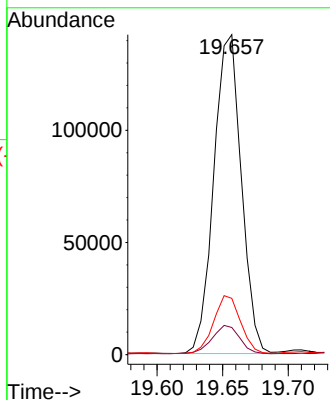
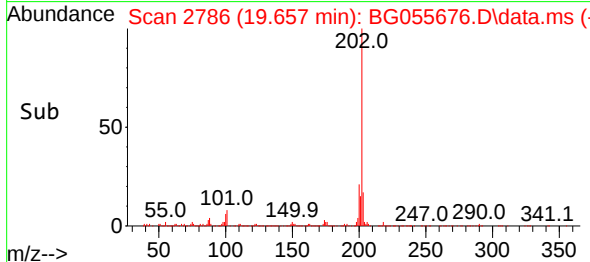
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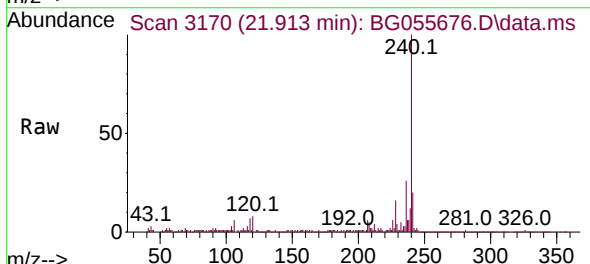
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Ion Ratio Lower Upper
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101 8.5 0.0 28.8
203 17.6 0.0 38.1

Manual Integrations
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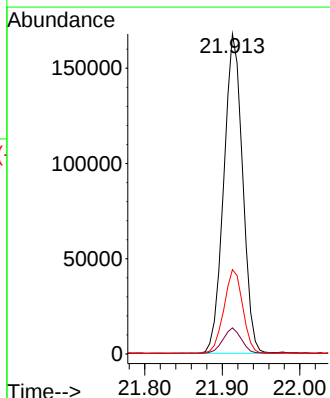
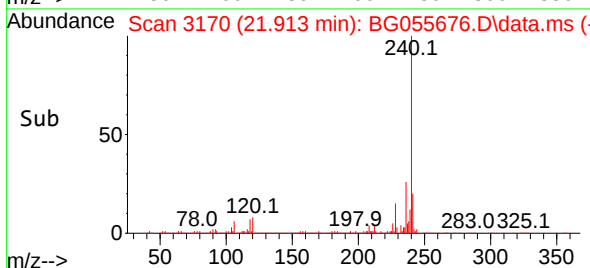
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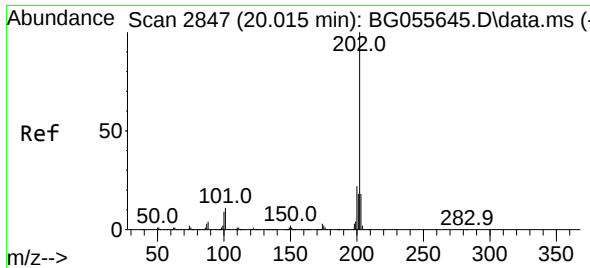


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.913 min Scan# 3170
Delta R.T. -0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03



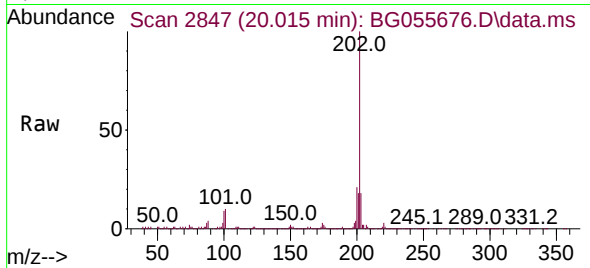
Tgt Ion:240 Resp: 283792
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 26.3 21.9 32.9





#78
Pyrene
Concen: 15.650 ng
RT: 20.015 min Scan# 2847
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

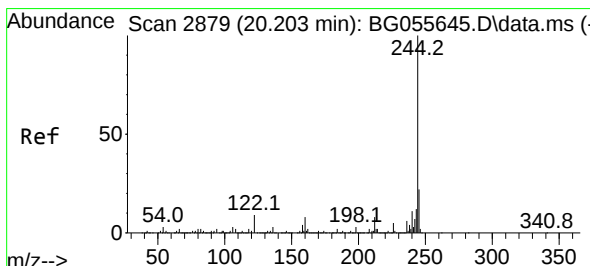
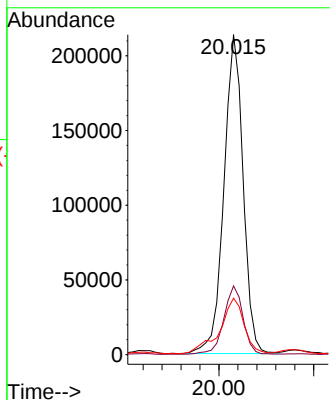
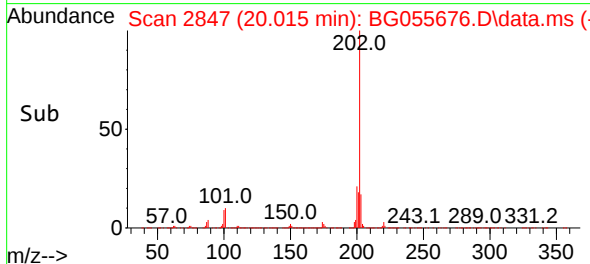
Instrument :
BNA_G
ClientSampleId :
SB-36



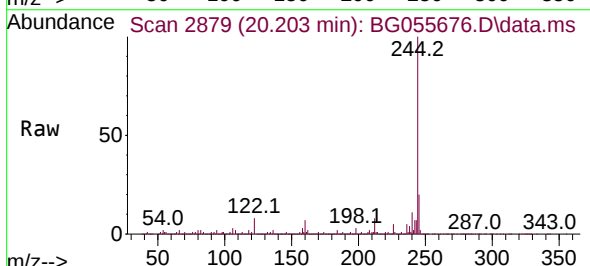
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Ion Ratio Lower Upper
202 100
200 21.5 17.8 26.6
203 17.6 14.4 21.6

Manual Integrations
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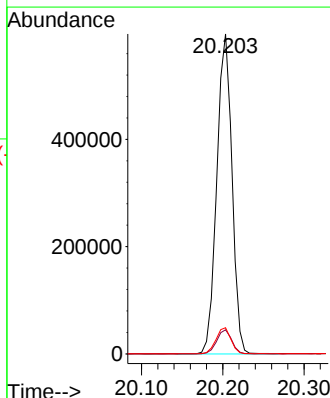
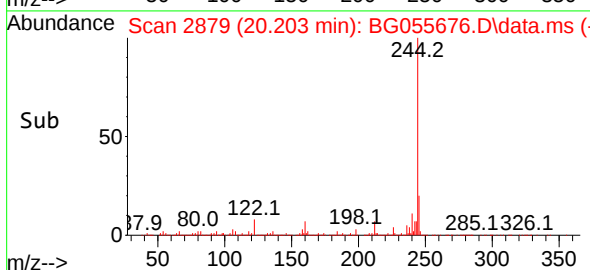
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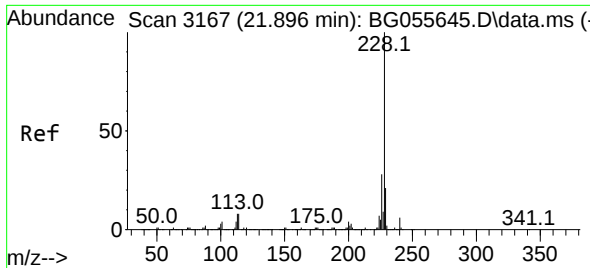


#79
Terphenyl-d14
Concen: 54.418 ng
RT: 20.203 min Scan# 2879
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03



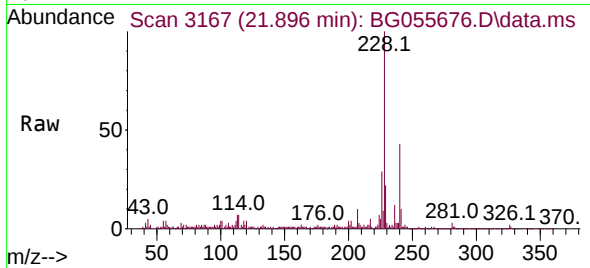
Tgt Ion:244 Resp: 772114
Ion Ratio Lower Upper
244 100
212 7.5 6.3 9.5
122 8.2 6.9 10.3





#81
Benzo(a)anthracene
Concen: 9.407 ng
RT: 21.896 min Scan# 3167
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

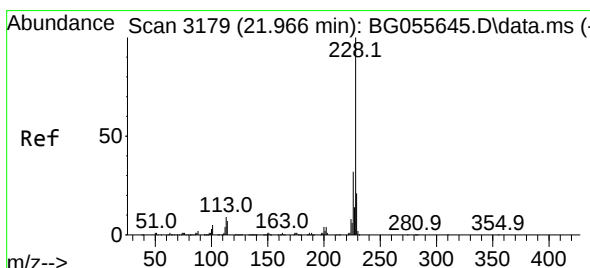
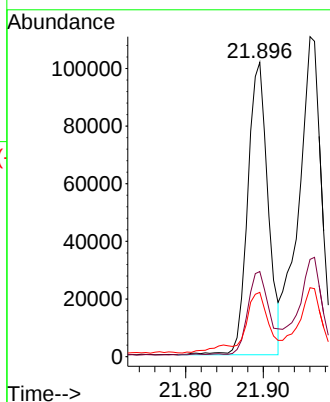
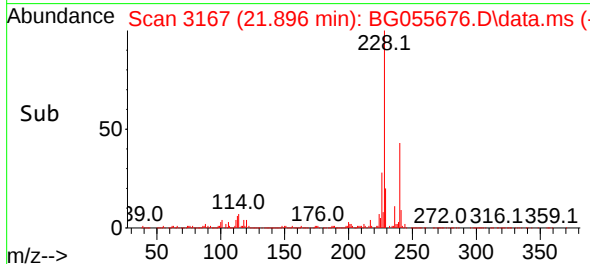
Instrument : BNA_G
ClientSampleId : SB-36



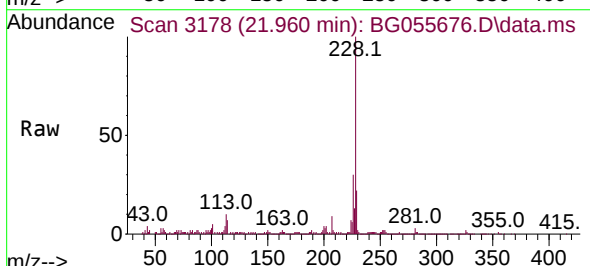
Tgt Ion:228 Resp: 183882
Ion Ratio Lower Upper
228 100
226 28.9 22.7 34.1
229 21.8 16.5 24.7

Manual Integrations
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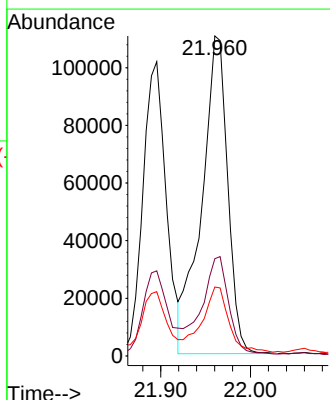
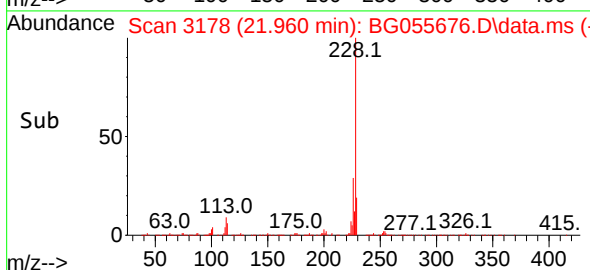
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

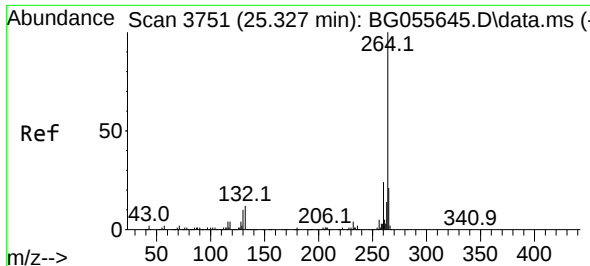


#83
Chrysene
Concen: 11.989 ng
RT: 21.960 min Scan# 3178
Delta R.T. -0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03



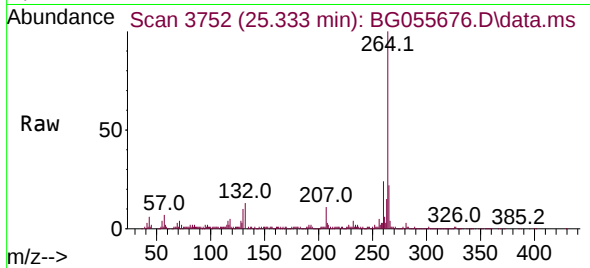
Tgt Ion:228 Resp: 223087
Ion Ratio Lower Upper
228 100
226 30.4 25.4 38.2
229 21.5 17.1 25.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

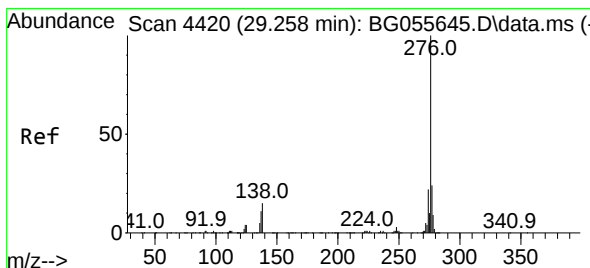
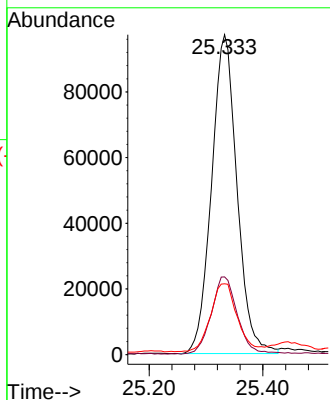
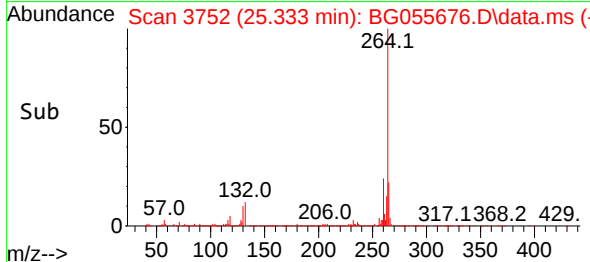
Instrument :
BNA_G
ClientSampleId :
SB-36



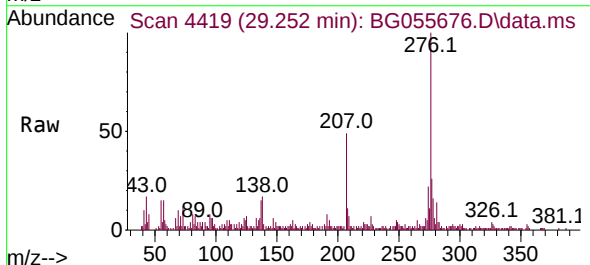
Tgt Ion:264 Resp: 30171
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.1 17.1 25.7

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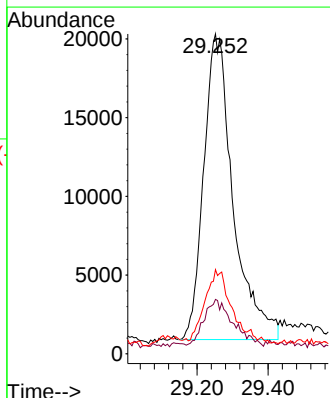
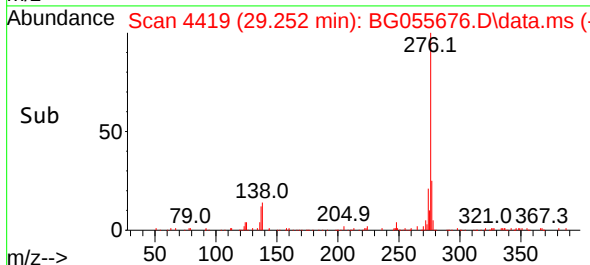
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

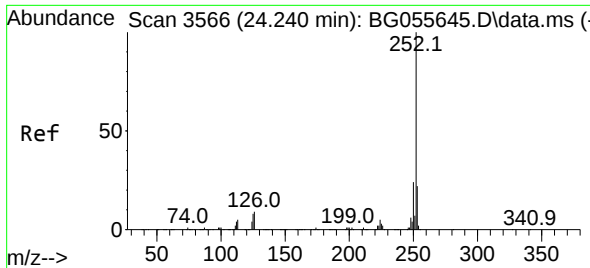


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.518 ng
RT: 29.252 min Scan# 4419
Delta R.T. -0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03



Tgt Ion:276 Resp: 111684
Ion Ratio Lower Upper
276 100
138 16.0 10.4 15.6#
277 19.5 20.2 30.4#





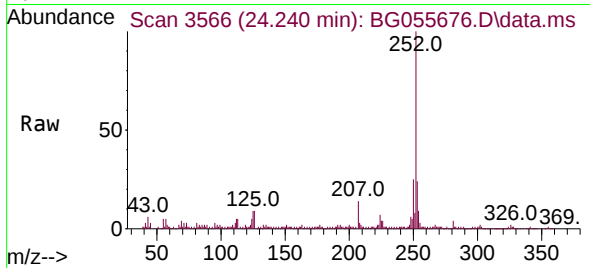
#88
Benzo(b)fluoranthene
Concen: 12.986 ng
RT: 24.240 min Scan# 3566
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

Instrument :

BNA_G

ClientSampleId :

SB-36

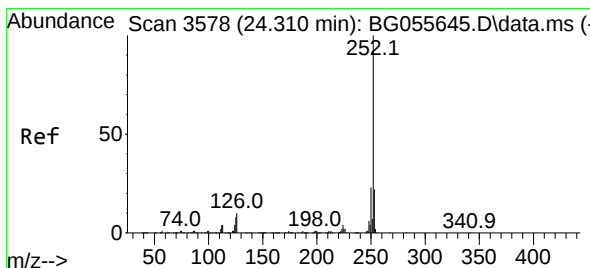
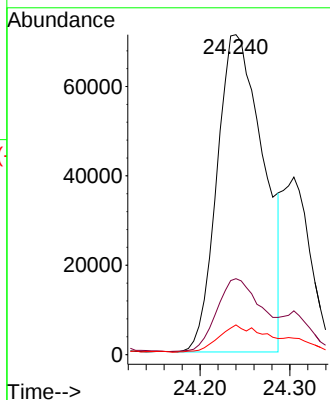
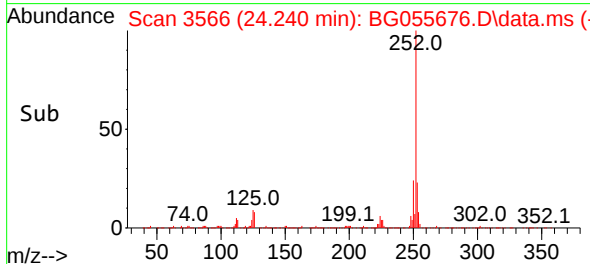


Tgt Ion:252 Resp: 255169
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 9.3 6.2 9.2

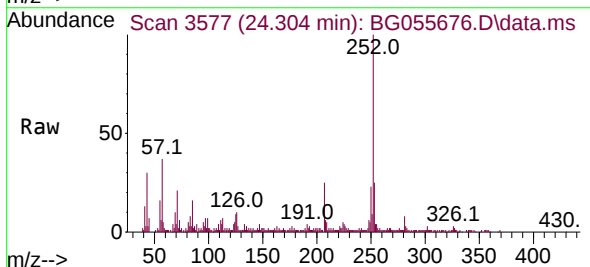
Manual Integrations

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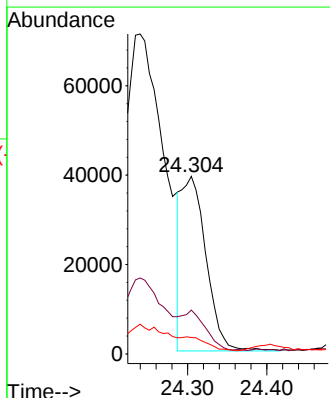
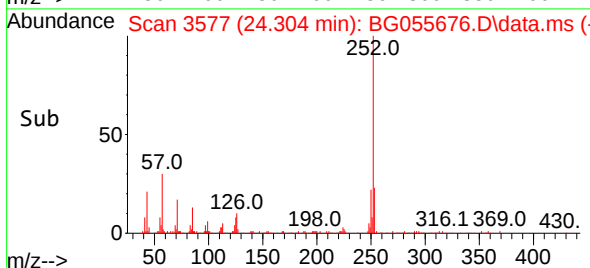
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

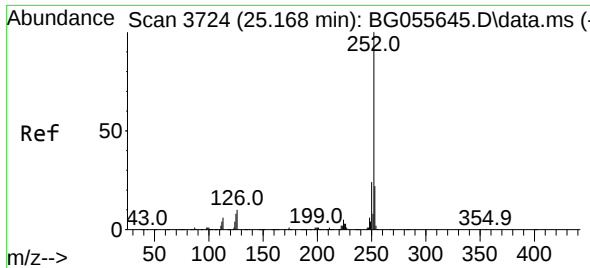


#89
Benzo(k)fluoranthene
Concen: 4.340 ng m
RT: 24.304 min Scan# 3577
Delta R.T. -0.006 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03



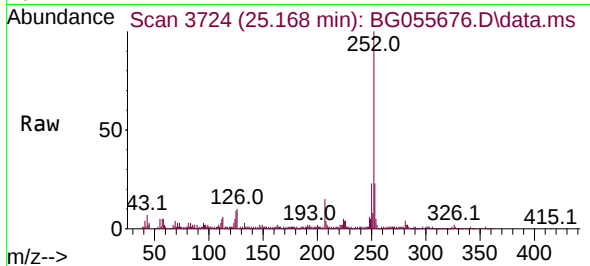
Tgt Ion:252 Resp: 85002
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 9.2 6.1 9.1





#90
Benzo(a)pyrene
Concen: 11.707 ng
RT: 25.168 min Scan# 31
Delta R.T. -0.000 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

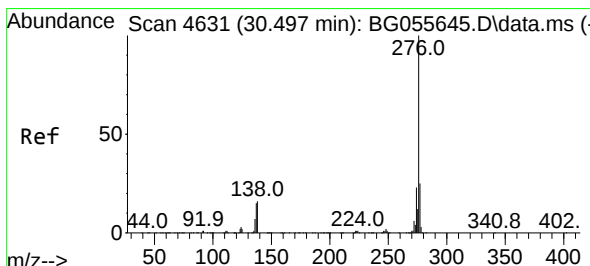
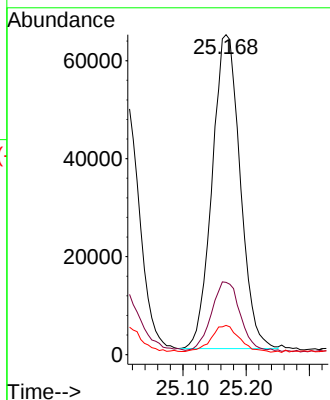
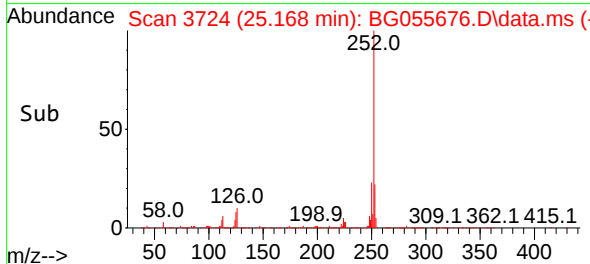
Instrument :
BNA_G
ClientSampleId :
SB-36



Tgt Ion:252 Resp: 197406
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 9.1 6.4 9.6

Manual Integrations
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Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#92
Benzo(g,h,i)perylene
Concen: 5.676 ng
RT: 30.480 min Scan# 4628
Delta R.T. -0.018 min
Lab File: BG055676.D
Acq: 17 Nov 2022 22:03

Tgt Ion:276 Resp: 115551
Ion Ratio Lower Upper
276 100
277 24.0 19.8 29.6
138 16.7 13.1 19.7

