

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110922\
 Data File : BG055527.D
 Acq On : 9 Nov 2022 17:26
 Operator : CG/JU
 Sample : N5425-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 371DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/10/2022
 Supervised By : Jagrut Upadhyay 11/10/2022

Quant Time: Nov 09 18:22:18 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 09 18:04:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.272	152	63964	20.000	ng	0.00
21) Naphthalene-d8	11.099	136	266454	20.000	ng	0.00
39) Acenaphthene-d10	14.888	164	175887	20.000	ng	0.00
64) Phenanthrene-d10	17.626	188	372132	20.000	ng	0.00
76) Chrysene-d12	21.927	240	342690	20.000	ng	0.00
86) Perylene-d12	25.352	264	378456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.793	112	179246	53.376	ng	0.00
7) Phenol-d6	7.397	99	234600	50.574	ng	0.00
23) Nitrobenzene-d5	9.436	82	129320	32.024	ng	0.00
42) 2,4,6-Tribromophenol	16.363	330	94997	51.603	ng	0.00
45) 2-Fluorobiphenyl	13.513	172	338467	29.027	ng	0.00
79) Terphenyl-d14	20.211	244	501366	29.386	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.151	128	64719	4.493	ng	97
37) 2-Methylnaphthalene	12.732	142	24775	2.289	ng	94
52) Acenaphthene	14.947	154	42514	4.141	ng	98
55) Dibenzofuran	15.282	168	69609	4.241	ng	98
58) Fluorene	15.928	166	96261	7.372	ng	99
71) Phenanthrene	17.667	178	649361	32.468	ng	99
72) Anthracene	17.761	178	215447	10.992	ng	98
73) Carbazole	18.020	167	85068	4.802	ng	99
75) Fluoranthene	19.665	202	1061163	44.494	ng	99
78) Pyrene	20.023	202	932474	40.205	ng	98
81) Benzo(a)anthracene	21.904	228	537790	22.911	ng	98
83) Chrysene	21.974	228	469465	21.033	ng	97
84) Bis(2-ethylhexyl)phtha...	21.798	149	10257	3.085	ng	# 87
87) Indeno(1,2,3-cd)pyrene	29.289	276	368780	12.794	ng	96
88) Benzo(b)fluoranthene	24.260	252	729987	30.443	ng	99
89) Benzo(k)fluoranthene	24.324	252	259820m	10.598	ng	
90) Benzo(a)pyrene	25.188	252	579350	28.048	ng	97
91) Dibenzo(a,h)anthracene	29.342	278	101897m	4.271	ng	
92) Benzo(g,h,i)perylene	30.511	276	329700	14.135	ng	99

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

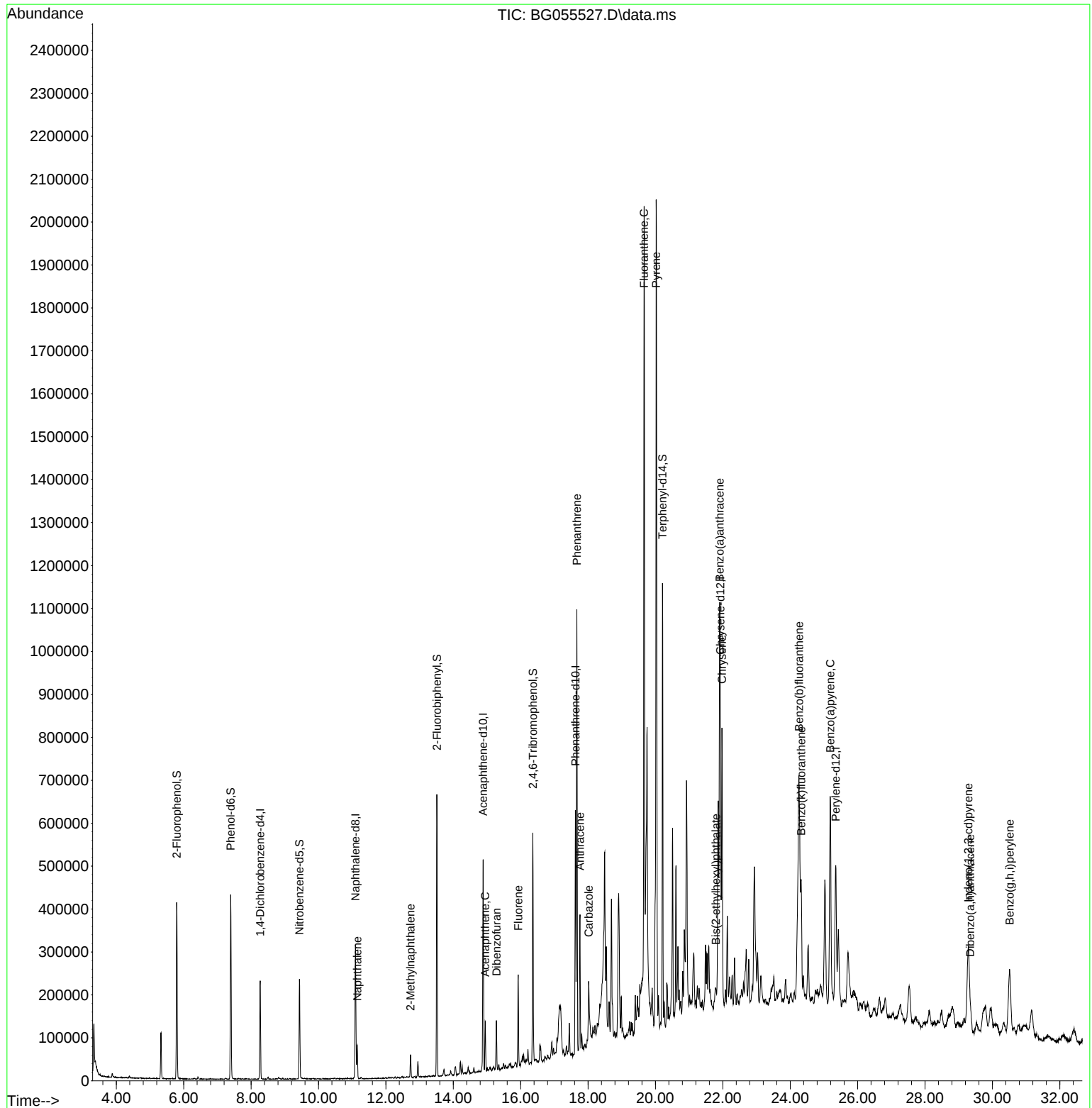
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110922\
Data File : BG055527.D
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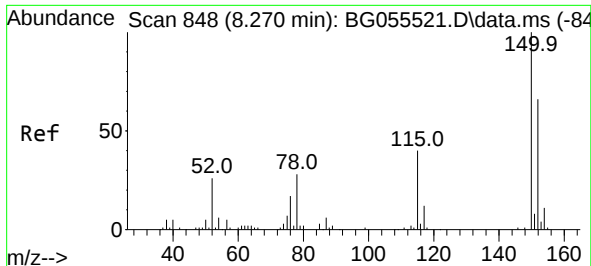
Instrument :
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371DL

Quant Time: Nov 09 18:22:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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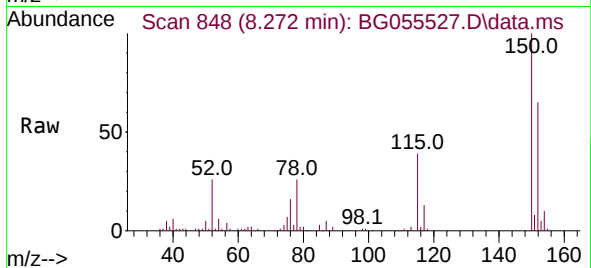
Reviewed By : Christian Giraldo 11/10/2022
Supervised By : Jagrut Upadhyay 11/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.272 min Scan# 848
Delta R.T. 0.002 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

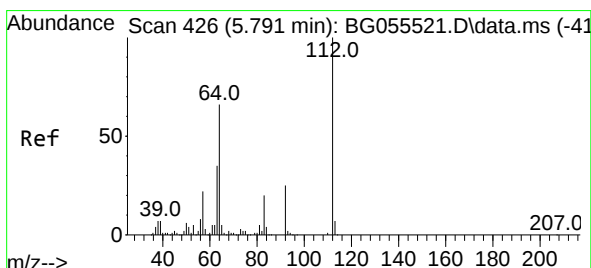
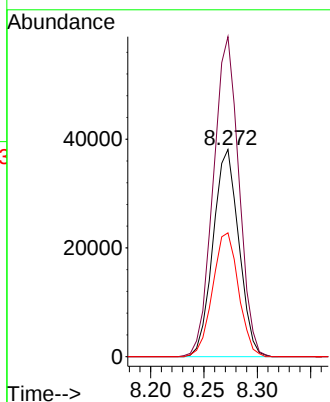
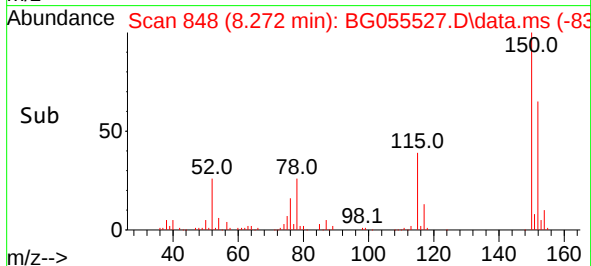
Instrument :
BNA_G
ClientSampleId :
371DL



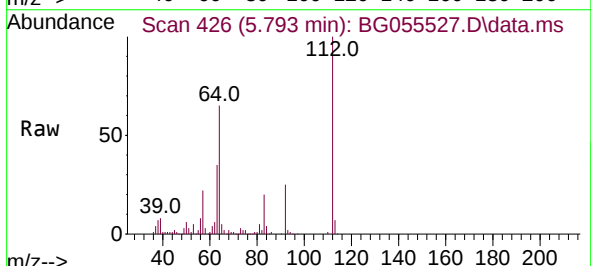
Tgt Ion:152 Resp: 63964
Ion Ratio Lower Upper
152 100
150 154.5 121.0 181.4
115 59.7 47.8 71.8

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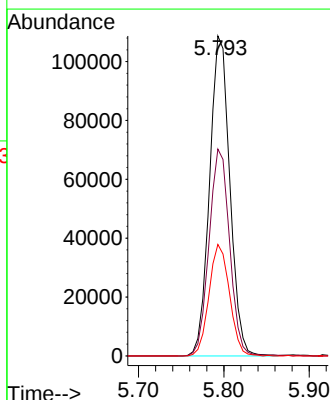
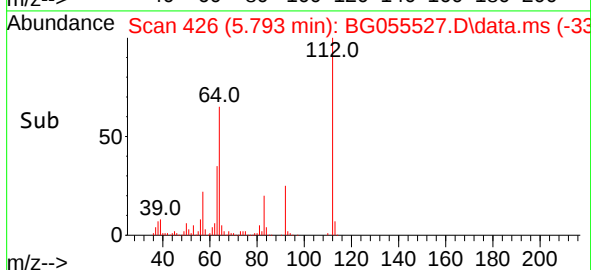
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

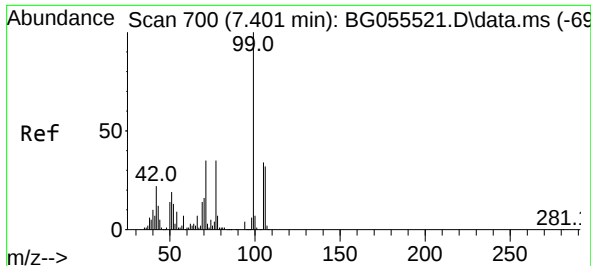


#5
2-Fluorophenol
Concen: 53.376 ng
RT: 5.793 min Scan# 426
Delta R.T. 0.002 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26



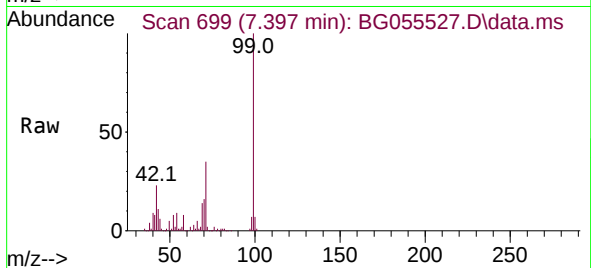
Tgt Ion:112 Resp: 179246
Ion Ratio Lower Upper
112 100
64 64.6 52.6 78.8
63 34.8 28.3 42.5





#7
Phenol-d6
Concen: 50.574 ng
RT: 7.397 min Scan# 69
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

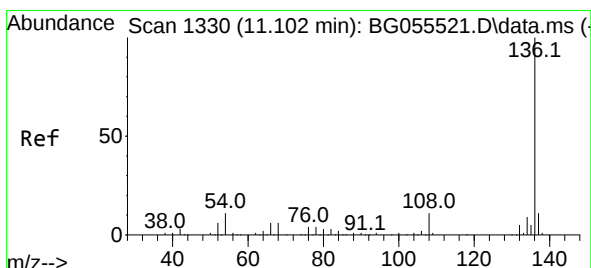
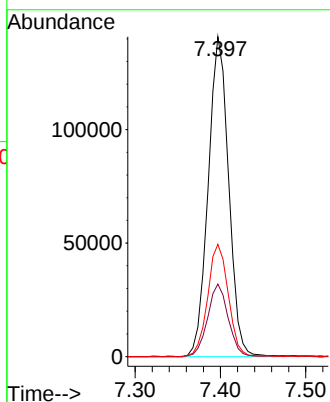
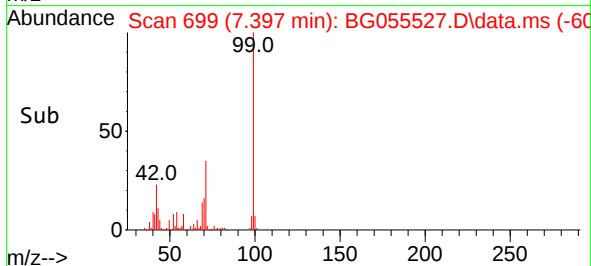
Instrument :
BNA_G
ClientSampleId :
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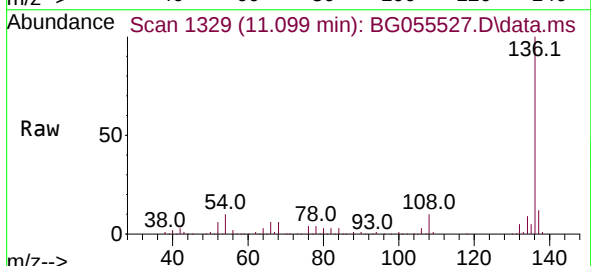
Tgt Ion: 99 Resp: 234600
Ion Ratio Lower Upper
99 100
42 22.7 17.5 26.3
71 35.1 28.3 42.5

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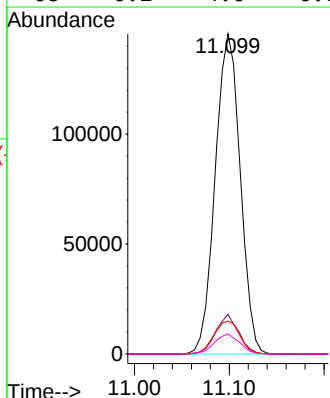
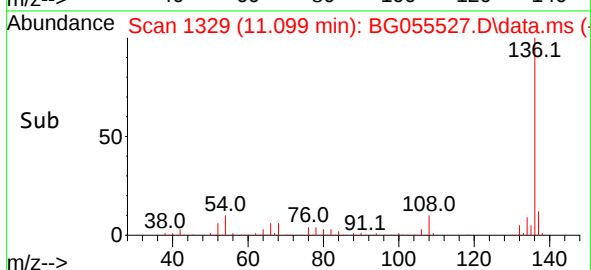
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

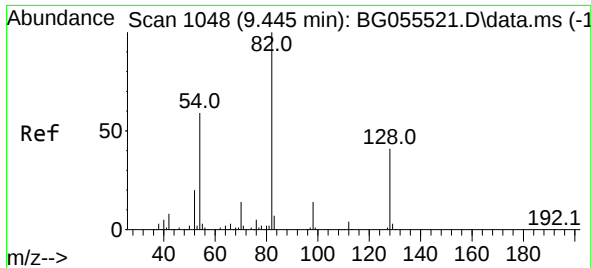


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.099 min Scan# 1329
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26



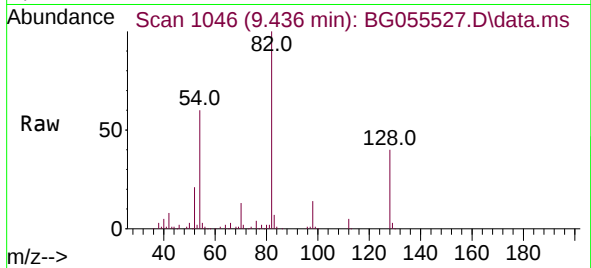
Tgt Ion:136 Resp: 266454
Ion Ratio Lower Upper
136 100
137 12.3 8.6 12.8
54 10.3 8.6 12.8
68 6.2 4.6 6.8





#23
Nitrobenzene-d5
Concen: 32.024 ng
RT: 9.436 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

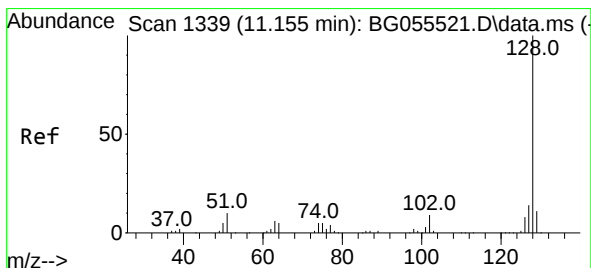
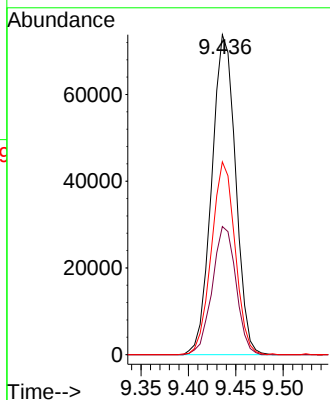
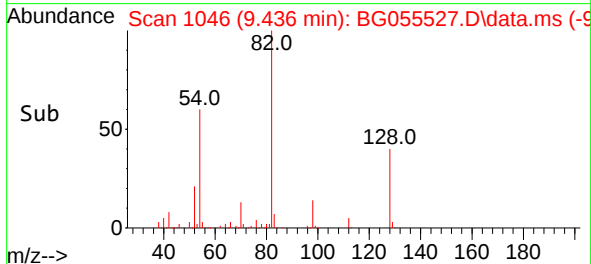
Instrument :
BNA_G
ClientSampleId :
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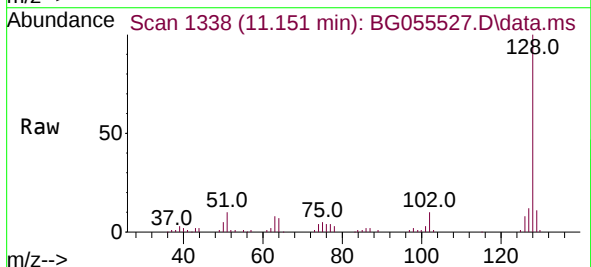
Tgt Ion: 82 Resp: 129320
Ion Ratio Lower Upper
82 100
128 40.0 32.6 49.0
54 60.2 47.3 70.9

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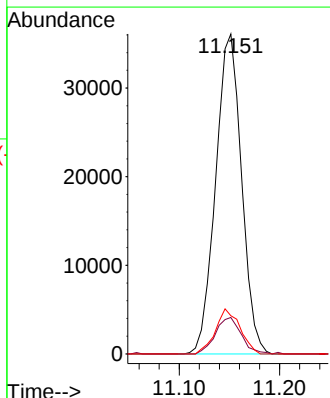
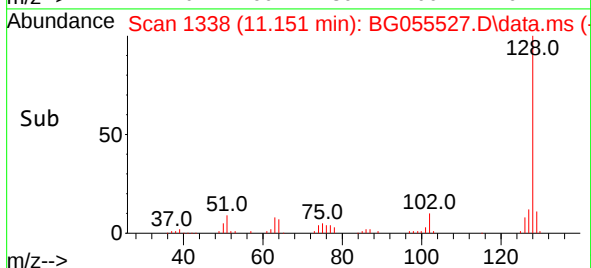
Reviewed By :Christian Giraldo 11/10/2022
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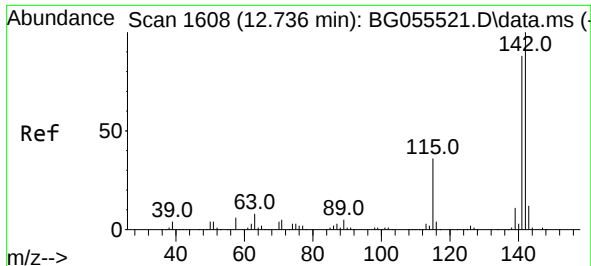


#31
Naphthalene
Concen: 4.493 ng
RT: 11.151 min Scan# 1338
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26



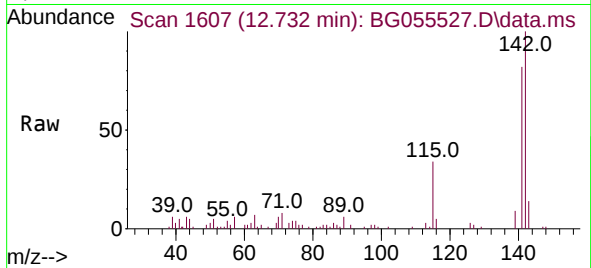
Tgt Ion:128 Resp: 64719
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 11.9 11.1 16.7





#37
2-Methylnaphthalene
Concen: 2.289 ng
RT: 12.732 min Scan# 1608
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

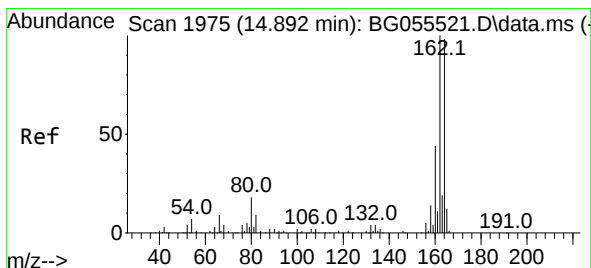
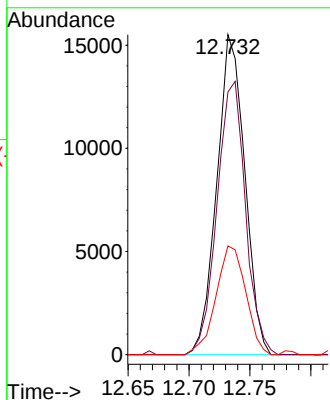
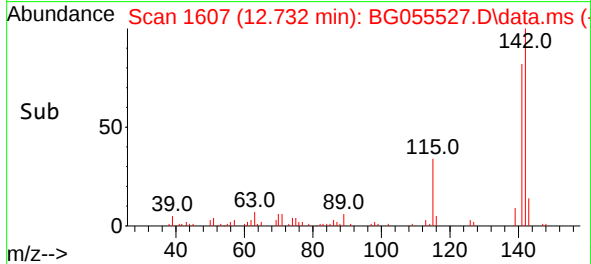
Instrument :
BNA_G
ClientSampleId :
371DL



Tgt Ion:142 Resp: 24775
Ion Ratio Lower Upper
142 100
141 82.1 70.3 105.5
115 34.0 28.9 43.3

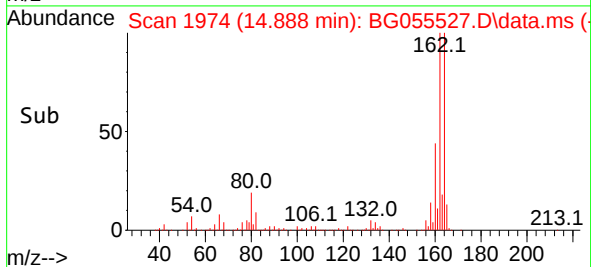
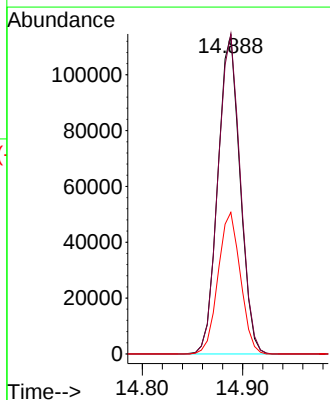
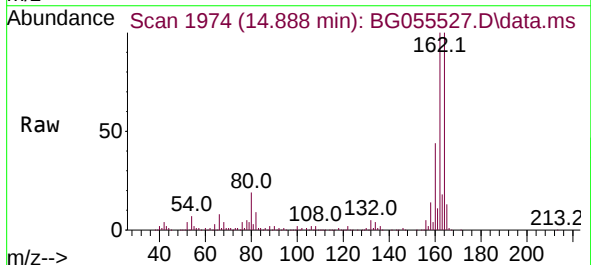
Manual Integrations
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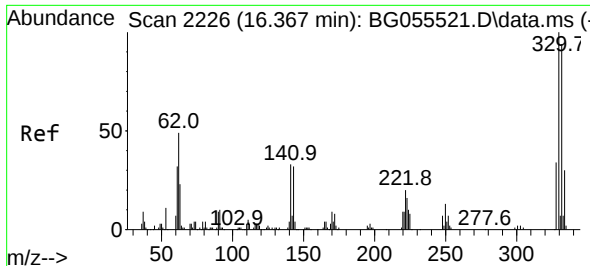
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.888 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

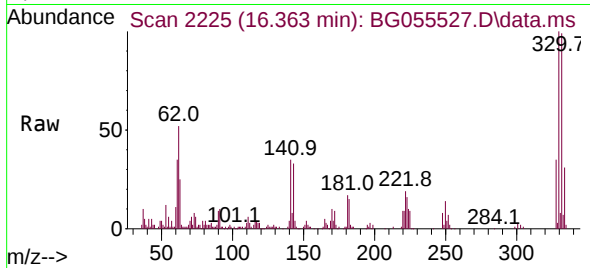
Tgt Ion:164 Resp: 175887
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 44.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 51.603 ng
RT: 16.363 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

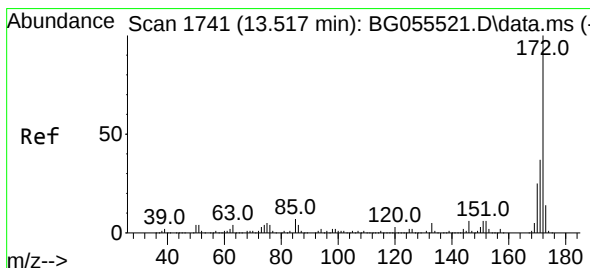
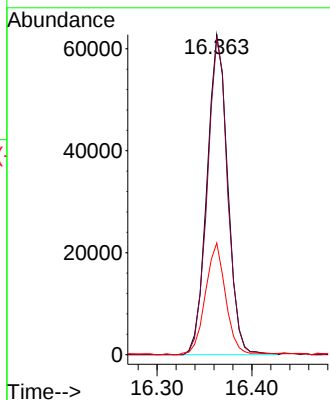
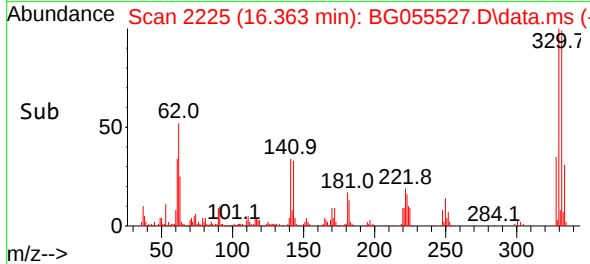
Instrument :
BNA_G
ClientSampleId :
371DL



Tgt Ion:330 Resp: 94997
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.2
141 34.3 25.4 38.2

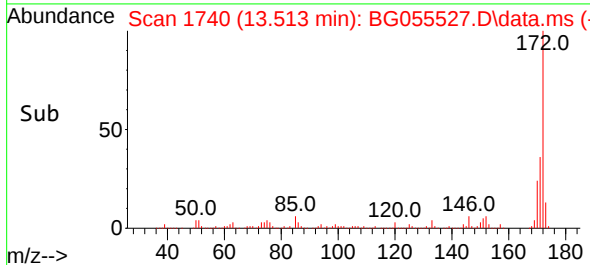
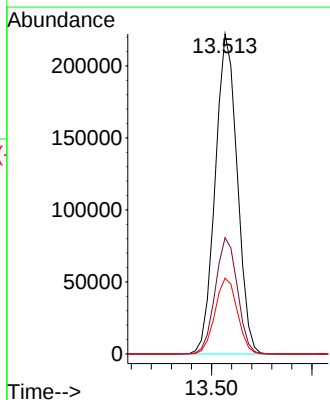
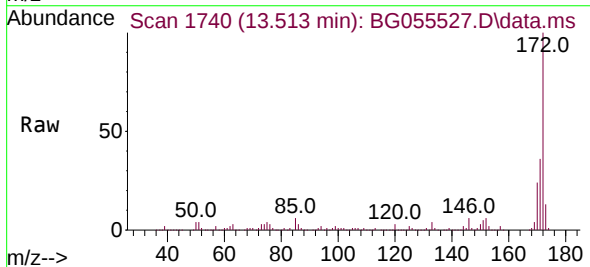
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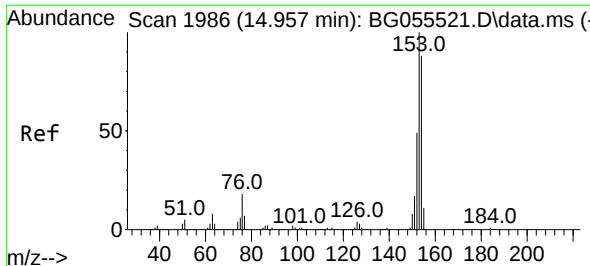
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#45
2-Fluorobiphenyl
Concen: 29.027 ng
RT: 13.513 min Scan# 1740
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

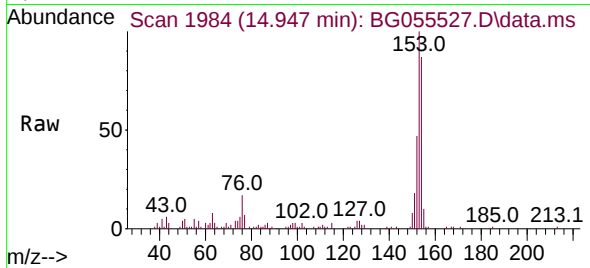
Tgt Ion:172 Resp: 338467
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 23.7 19.8 29.6





#52
Acenaphthene
Concen: 4.141 ng
RT: 14.947 min Scan# 1984
Delta R.T. -0.010 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

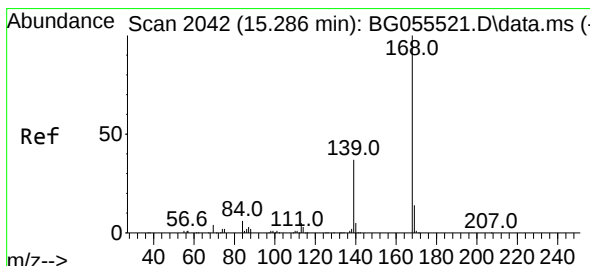
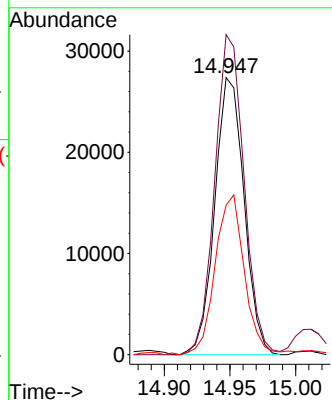
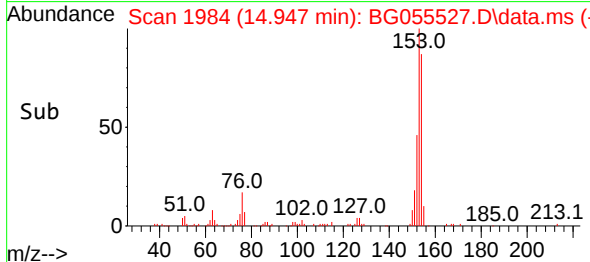
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Tgt Ion:154 Resp: 42514
Ion Ratio Lower Upper
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153 115.5 91.4 137.0
152 53.9 44.5 66.7

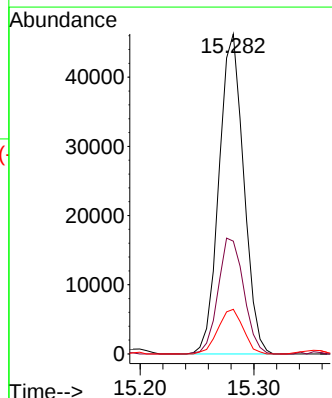
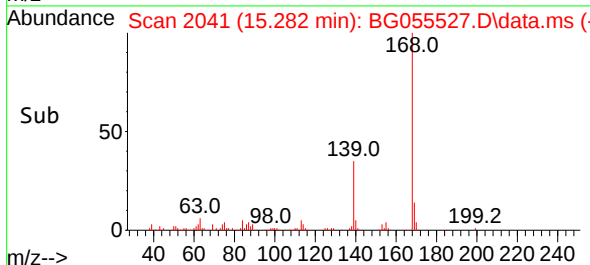
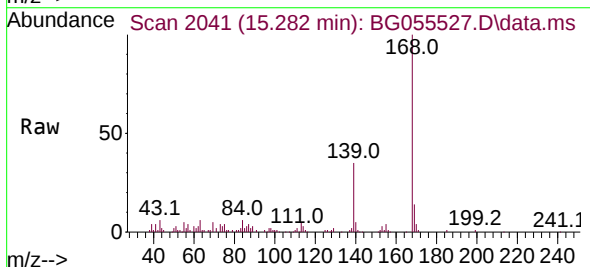
Manual Integrations
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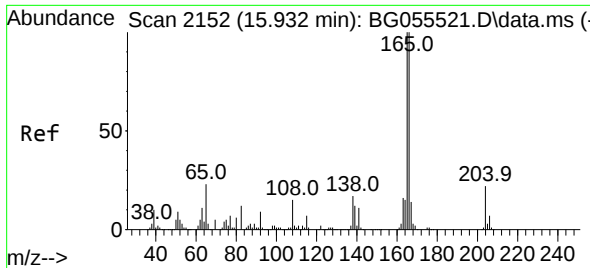
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#55
Dibenzofuran
Concen: 4.241 ng
RT: 15.282 min Scan# 2041
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

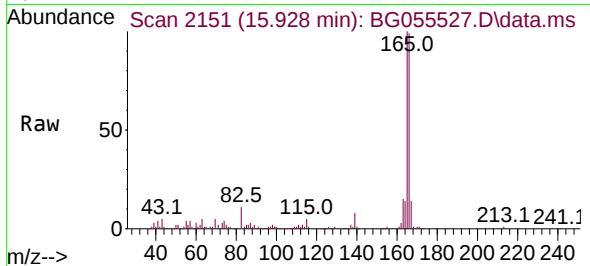
Tgt Ion:168 Resp: 69609
Ion Ratio Lower Upper
168 100
139 35.2 29.4 44.2
169 13.9 11.1 16.7





#58
Fluorene
Concen: 7.372 ng
RT: 15.928 min Scan# 2152
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

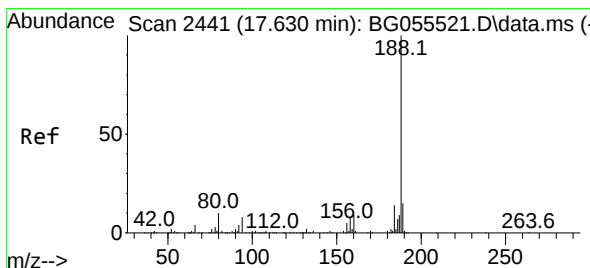
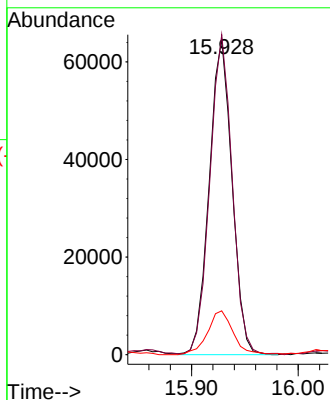
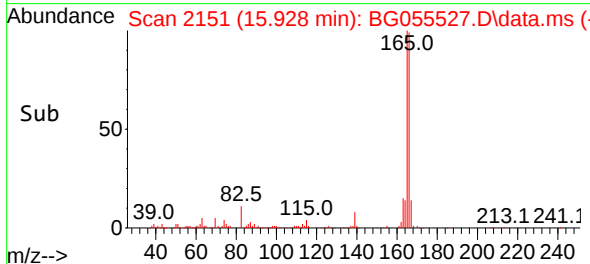
Instrument :
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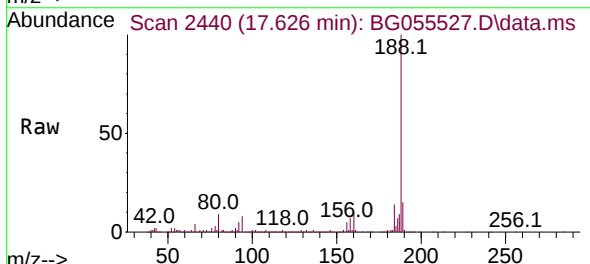
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Ion Ratio Lower Upper
166 100
165 101.4 80.2 120.2
167 13.9 11.2 16.8

Manual Integrations
APPROVED

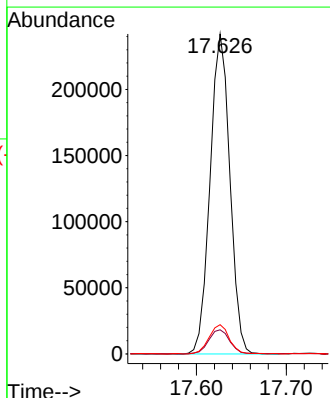
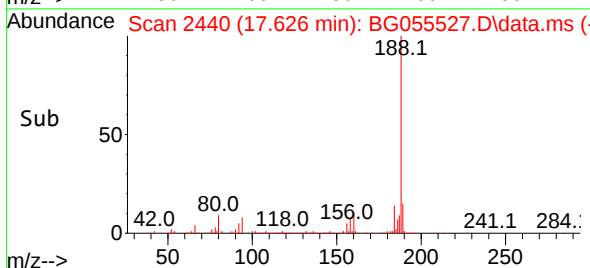
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

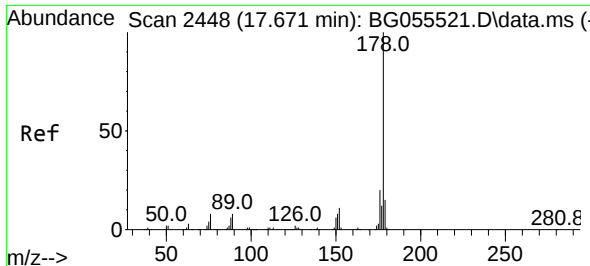


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.626 min Scan# 2440
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26



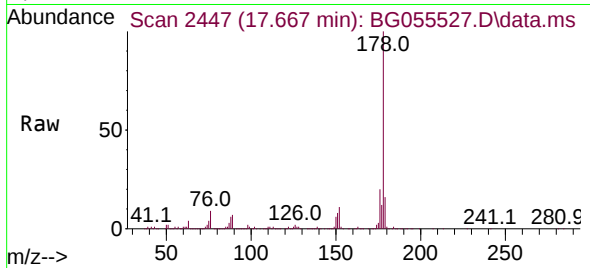
Tgt Ion:188 Resp: 372132
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 9.1 7.6 11.4





#71
Phenanthrene
Concen: 32.468 ng
RT: 17.667 min Scan# 2448
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

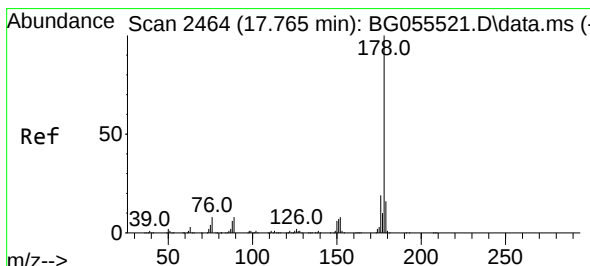
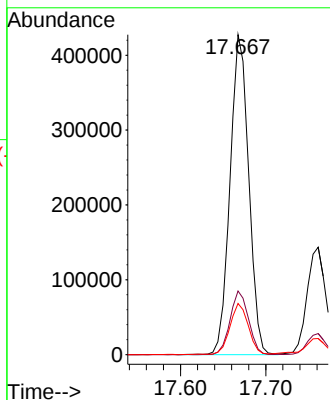
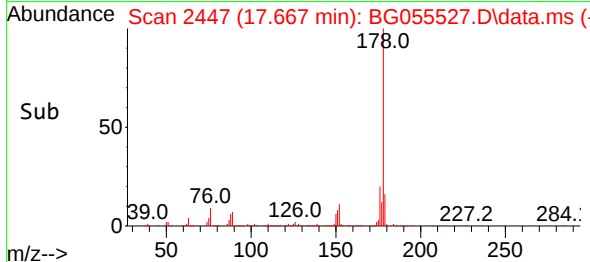
Instrument :
BNA_G
ClientSampleId :
371DL



Tgt Ion:178 Resp: 649361
Ion Ratio Lower Upper
178 100
176 19.9 16.1 24.1
179 16.0 12.2 18.4

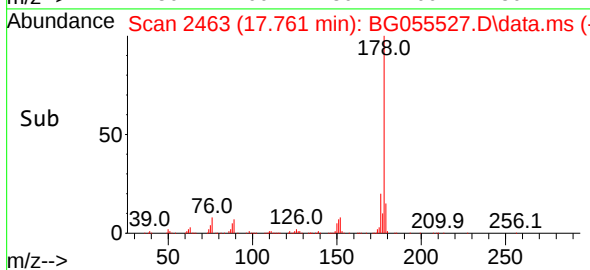
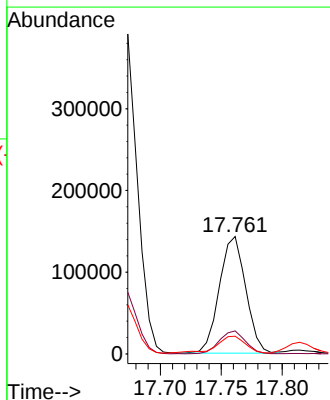
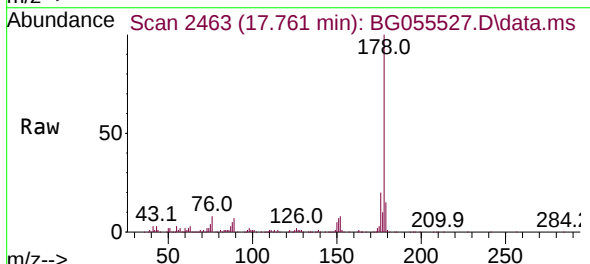
Manual Integrations
APPROVED

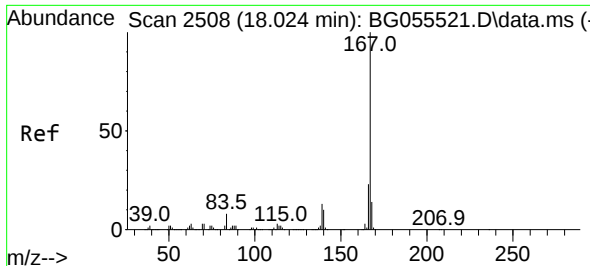
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#72
Anthracene
Concen: 10.992 ng
RT: 17.761 min Scan# 2463
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

Tgt Ion:178 Resp: 215447
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.0 13.0 19.4





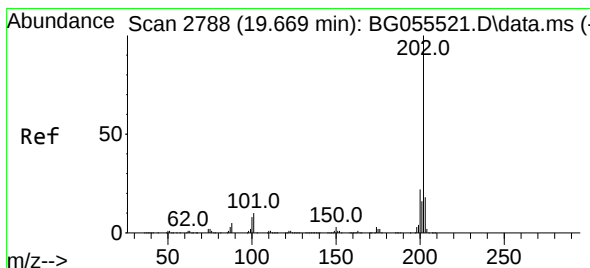
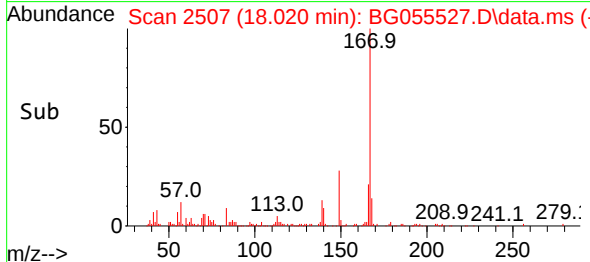
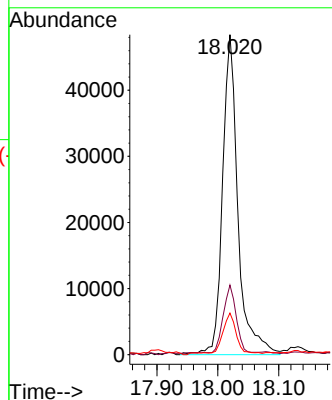
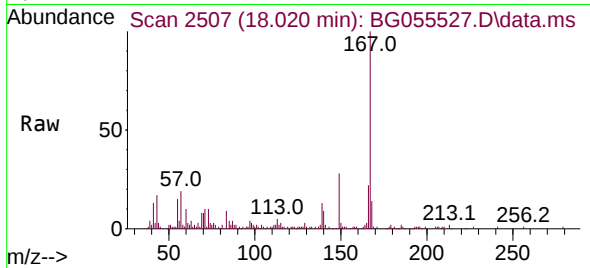
#73
 Carbazole
 Concen: 4.802 ng
 RT: 18.020 min Scan# 2507
 Delta R.T. -0.004 min
 Lab File: BG055527.D
 Acq: 9 Nov 2022 17:26

Instrument :
 BNA_G
 ClientSampleId :
 371DL

Tgt Ion:167 Resp: 85068
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.2 27.4
 139 13.0 10.4 15.6

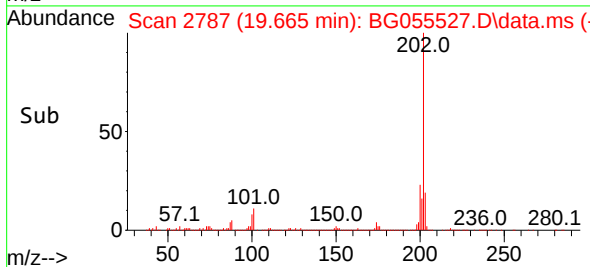
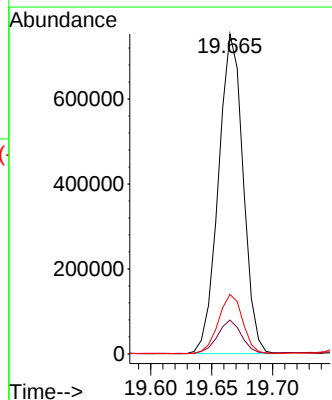
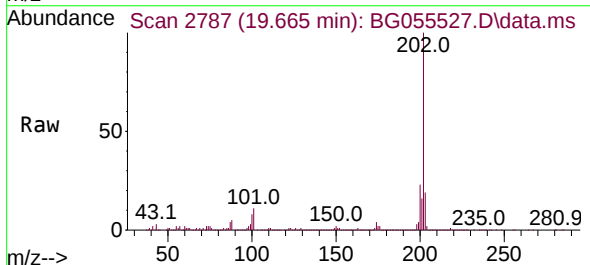
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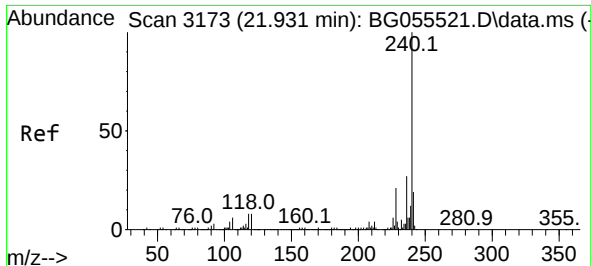
Reviewed By :Christian Giraldo 11/10/2022
 Supervised By :Jagrut Upadhyay 11/10/2022



#75
 Fluoranthene
 Concen: 44.494 ng
 RT: 19.665 min Scan# 2787
 Delta R.T. -0.004 min
 Lab File: BG055527.D
 Acq: 9 Nov 2022 17:26

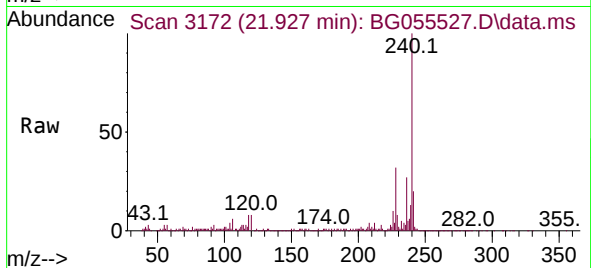
Tgt Ion:202 Resp: 1061163
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 29.8
 203 18.6 0.0 38.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.927 min Scan# 3173
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

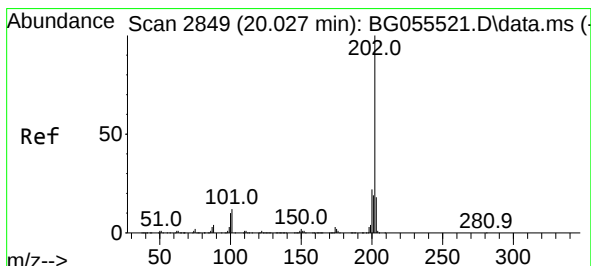
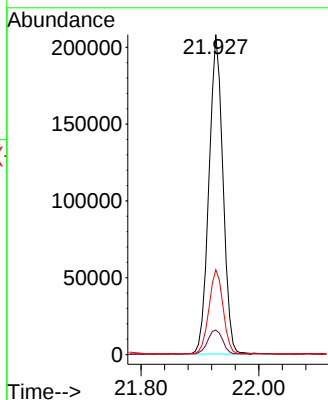
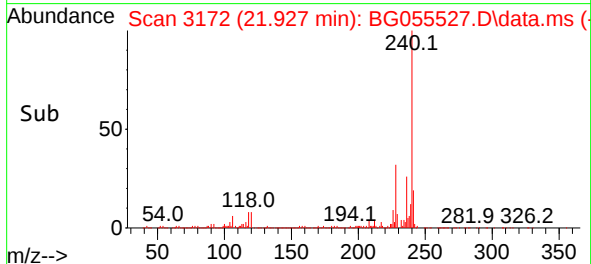
Instrument :
BNA_G
ClientSampleId :
371DL



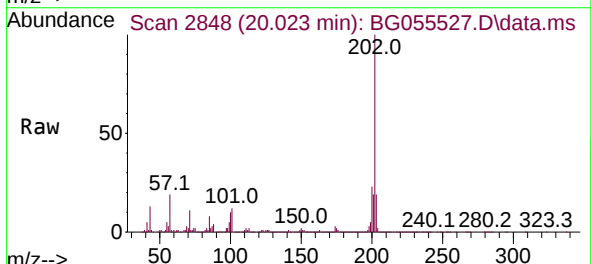
Tgt Ion:240 Resp: 342690
Ion Ratio Lower Upper
240 100
120 7.7 6.1 9.1
236 26.5 21.4 32.0

Manual Integrations
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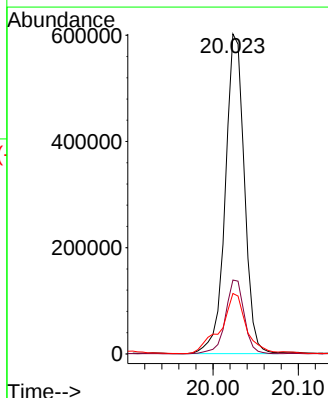
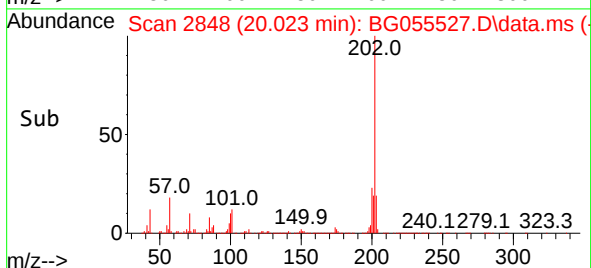
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

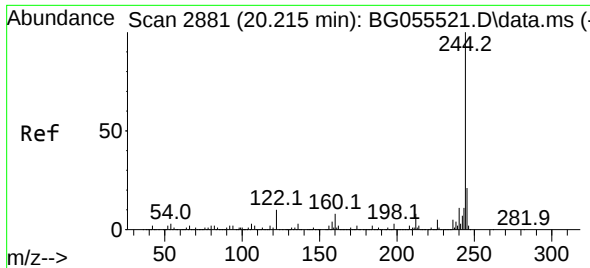


#78
Pyrene
Concen: 40.205 ng
RT: 20.023 min Scan# 2848
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26



Tgt Ion:202 Resp: 932474
Ion Ratio Lower Upper
202 100
200 23.1 18.0 27.0
203 18.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 29.386 ng
 RT: 20.211 min Scan# 2881
 Delta R.T. -0.004 min
 Lab File: BG055527.D
 Acq: 9 Nov 2022 17:26

Instrument :

BNA_G

ClientSampleId :

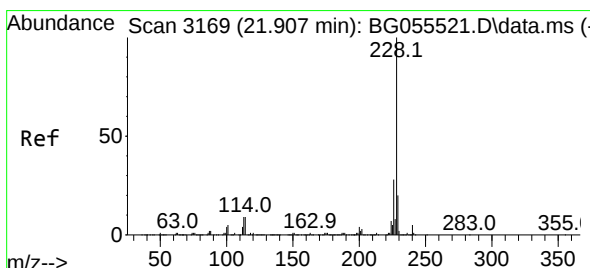
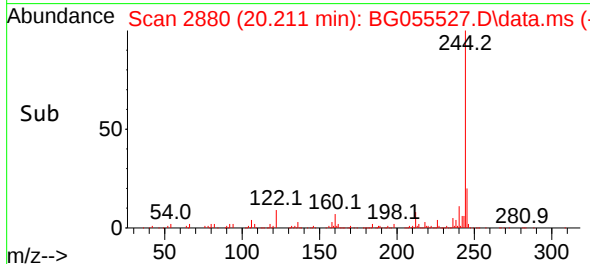
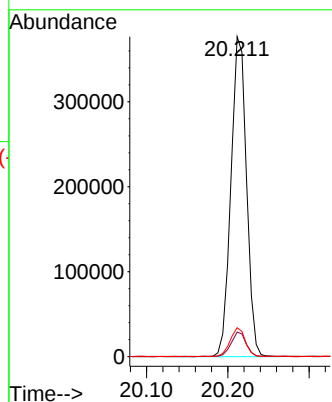
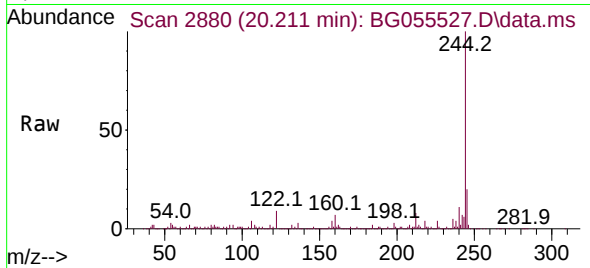
371DL

Tgt Ion:244 Resp: 501366
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 9.0 7.7 11.5

Manual Integrations

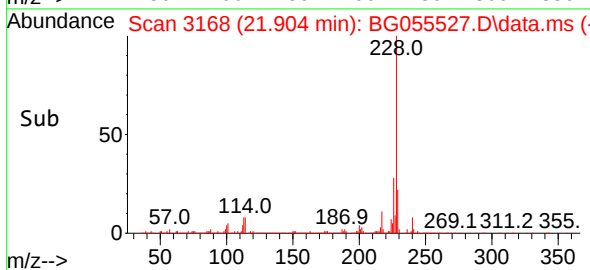
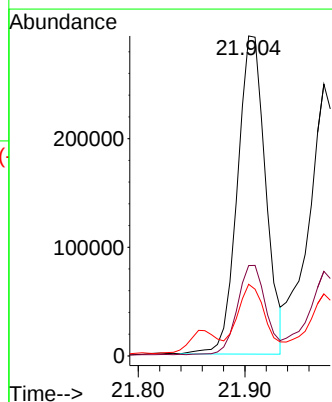
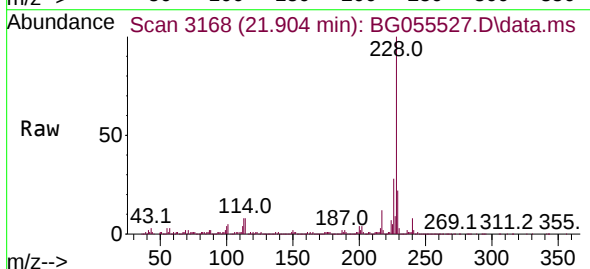
APPROVED

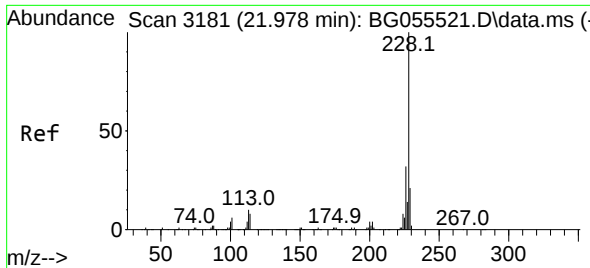
Reviewed By :Christian Giraldo 11/10/2022
 Supervised By :Jagrut Upadhyay 11/10/2022



#81
 Benzo(a)anthracene
 Concen: 22.911 ng
 RT: 21.904 min Scan# 3168
 Delta R.T. -0.003 min
 Lab File: BG055527.D
 Acq: 9 Nov 2022 17:26

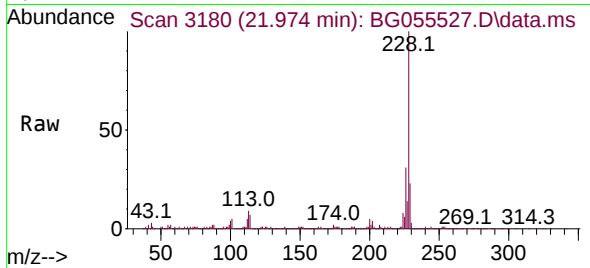
Tgt Ion:228 Resp: 537790
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.6 34.0
 229 22.4 16.1 24.1





#83
Chrysene
Concen: 21.033 ng
RT: 21.974 min Scan# 3181
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

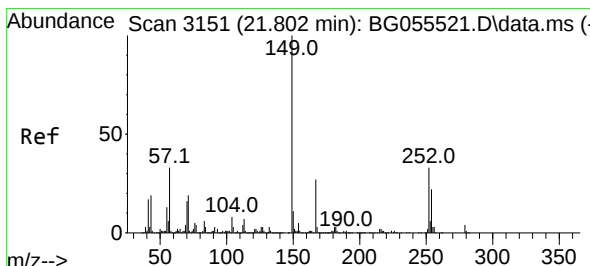
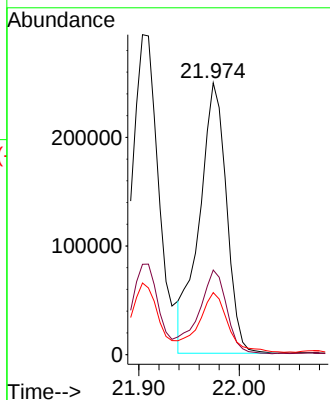
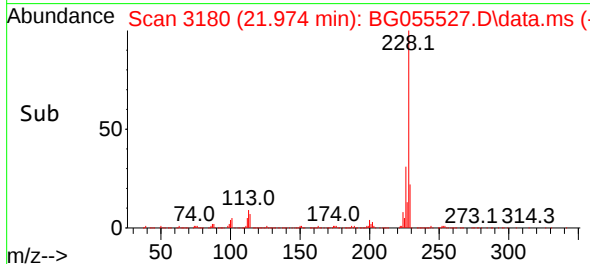
Instrument :
BNA_G
ClientSampleId :
371DL



Tgt Ion:228 Resp: 469465
Ion Ratio Lower Upper
228 100
226 31.1 25.7 38.5
229 22.8 16.6 25.0

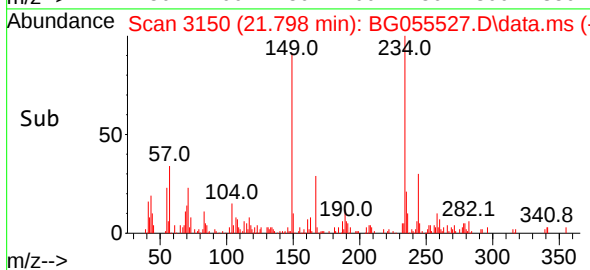
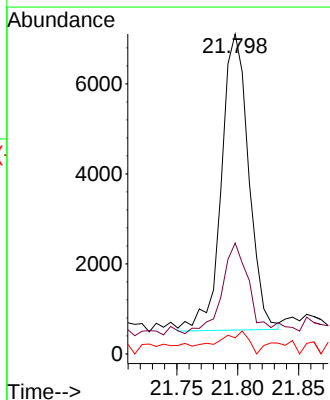
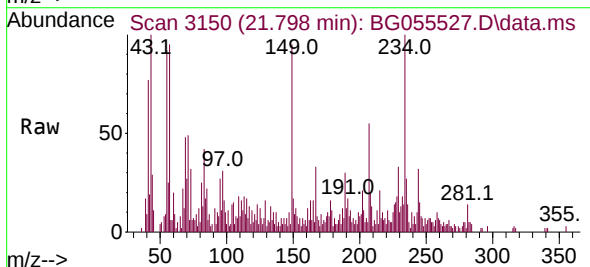
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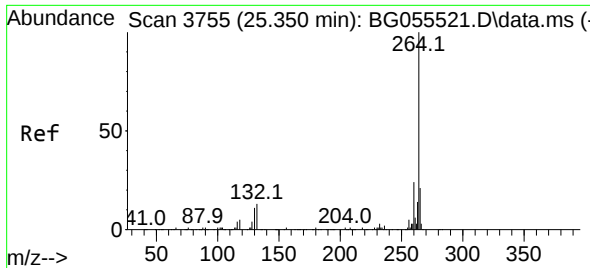
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.085 ng
RT: 21.798 min Scan# 3150
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

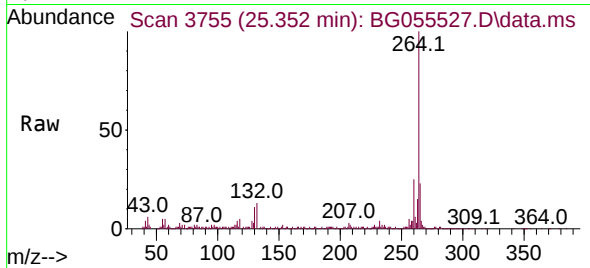
Tgt Ion:149 Resp: 10257
Ion Ratio Lower Upper
149 100
167 34.6 21.4 32.2#
279 5.0 3.4 5.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.352 min Scan# 3755
 Delta R.T. 0.002 min
 Lab File: BG055527.D
 Acq: 9 Nov 2022 17:26

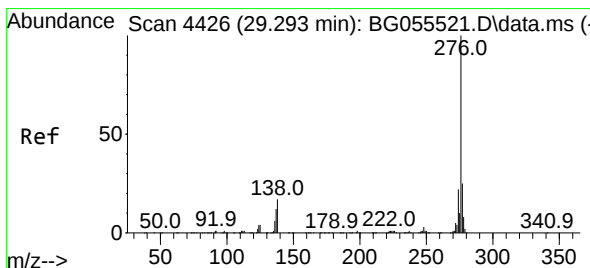
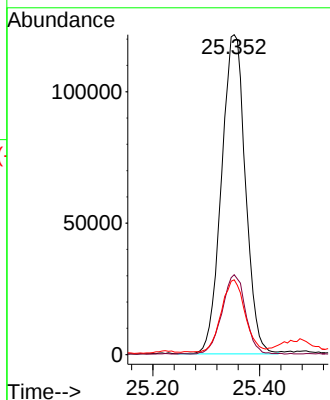
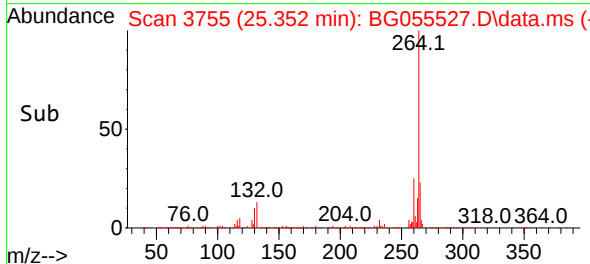
Instrument :
 BNA_G
 ClientSampleId :
 371DL



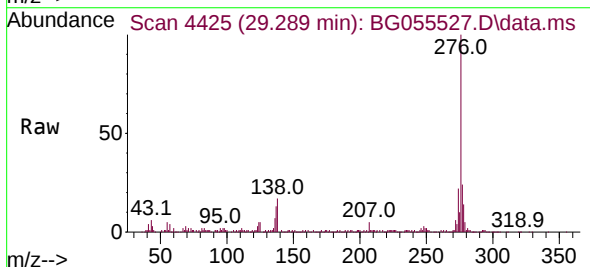
Tgt Ion:264 Resp: 378456
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.4 29.2
 265 23.4 17.1 25.7

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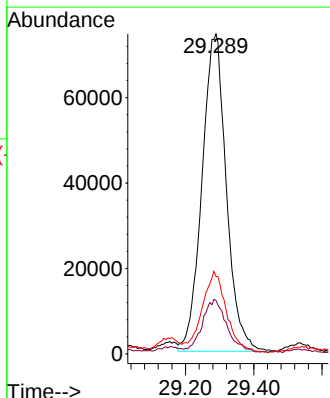
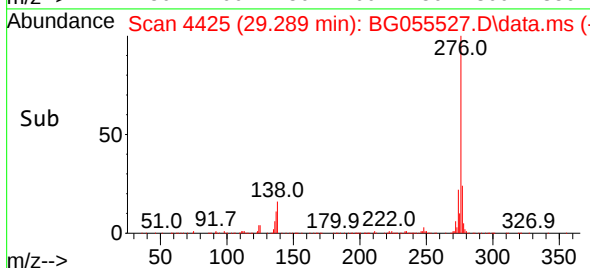
Reviewed By :Christian Giraldo 11/10/2022
 Supervised By :Jagrut Upadhyay 11/10/2022

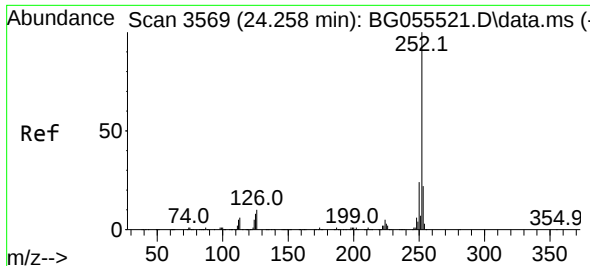


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.794 ng
 RT: 29.289 min Scan# 4425
 Delta R.T. -0.004 min
 Lab File: BG055527.D
 Acq: 9 Nov 2022 17:26



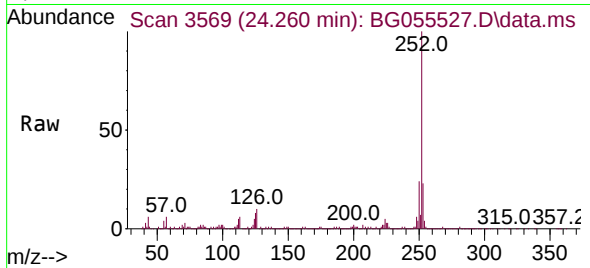
Tgt Ion:276 Resp: 368780
 Ion Ratio Lower Upper
 276 100
 138 17.2 11.5 17.3
 277 24.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 30.443 ng
RT: 24.260 min Scan# 3569
Delta R.T. 0.002 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

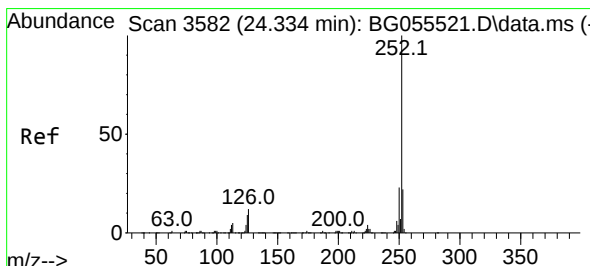
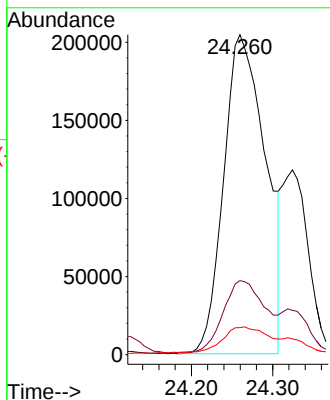
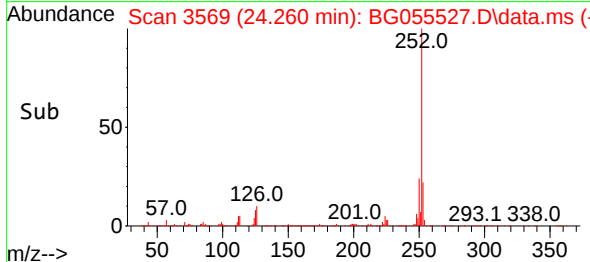
Instrument :
BNA_G
ClientSampleId :
371DL



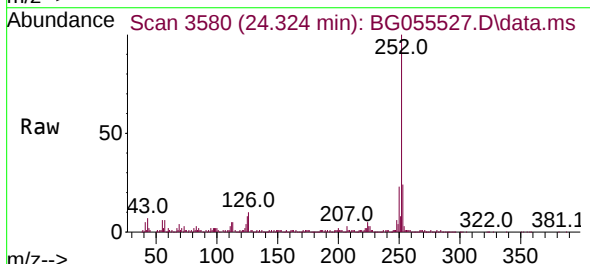
Tgt Ion:252 Resp: 72998
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 8.4 6.7 10.1

Manual Integrations
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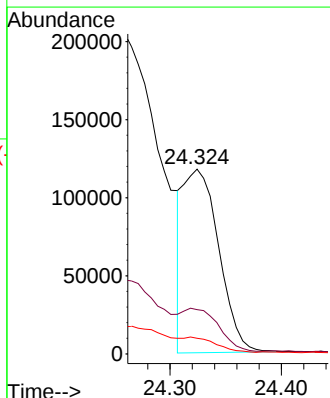
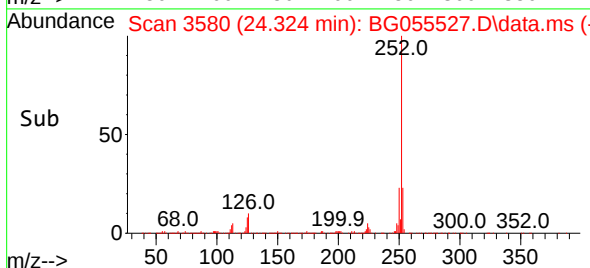
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

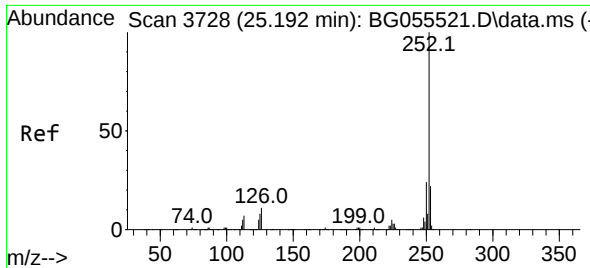


#89
Benzo(k)fluoranthene
Concen: 10.598 ng m
RT: 24.324 min Scan# 3580
Delta R.T. -0.010 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26



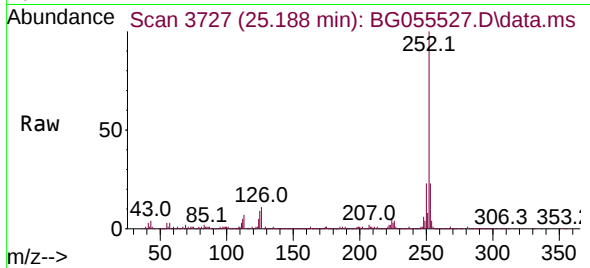
Tgt Ion:252 Resp: 259820
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 8.5 6.9 10.3





#90
Benzo(a)pyrene
Concen: 28.048 ng
RT: 25.188 min Scan# 3727
Delta R.T. -0.004 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26

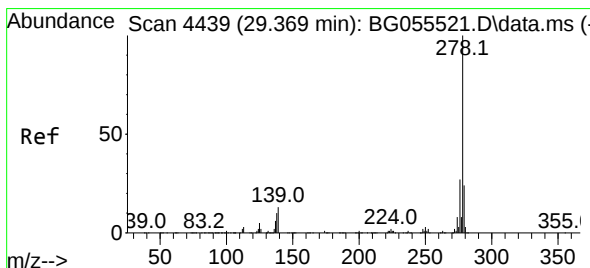
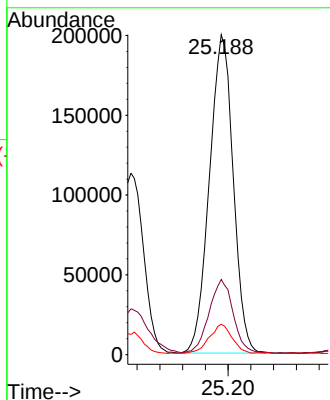
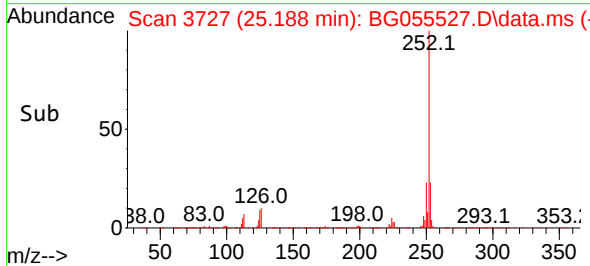
Instrument :
BNA_G
ClientSampleId :
371DL



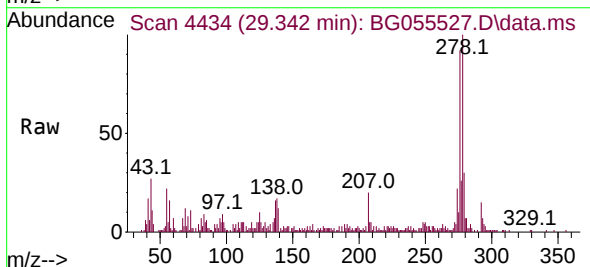
Tgt Ion:252 Resp: 579350
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 9.5 6.7 10.1

Manual Integrations
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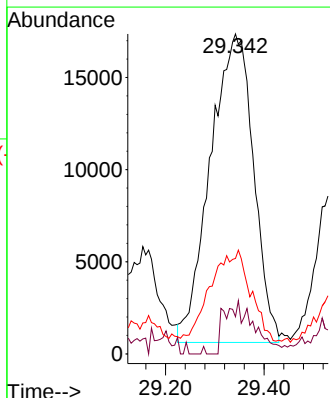
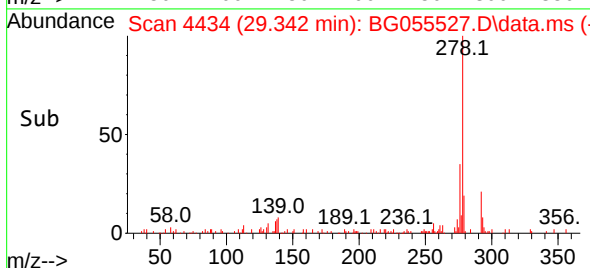
Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

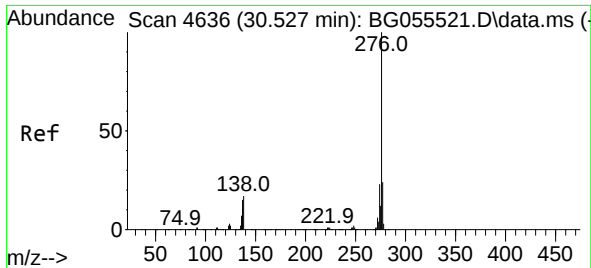


#91
Dibenzo(a,h)anthracene
Concen: 4.271 ng m
RT: 29.342 min Scan# 4434
Delta R.T. -0.027 min
Lab File: BG055527.D
Acq: 9 Nov 2022 17:26



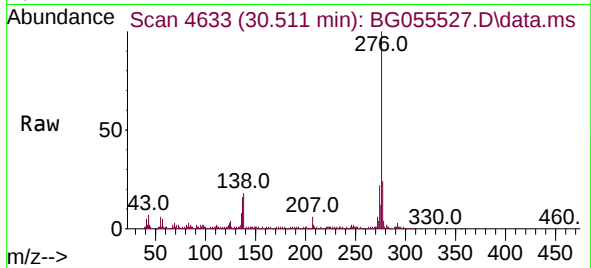
Tgt Ion:278 Resp: 101897
Ion Ratio Lower Upper
278 100
139 11.6 10.6 15.8
279 29.8 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 14.135 ng
 RT: 30.511 min Scan# 4633
 Delta R.T. -0.016 min
 Lab File: BG055527.D
 Acq: 9 Nov 2022 17:26

Instrument :
 BNA_G
 ClientSampleId :
 371DL



Tgt Ion:276 Resp: 329700
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.3 28.9
 138 17.8 13.9 20.9

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/10/2022
 Supervised By :Jagrut Upadhyay 11/10/2022

