

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
 Data File : BG055826.D
 Acq On : 29 Nov 2022 13:15
 Operator : CG/JU
 Sample : N5772-02DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/30/2022
 Supervised By : Jagrut Upadhyay 11/30/2022

Quant Time: Nov 30 02:03:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 30 02:01:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	44179	20.000	ng	0.00
21) Naphthalene-d8	11.051	136	187723	20.000	ng	0.00
39) Acenaphthene-d10	14.847	164	138878	20.000	ng	0.00
64) Phenanthrene-d10	17.591	188	315273	20.000	ng	0.00
76) Chrysene-d12	21.880	240	294638	20.000	ng	0.00
86) Perylene-d12	25.270	264	323211	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.758	112	15575	6.372	ng	0.00
7) Phenol-d6	7.373	99	20366	6.260	ng	0.00
23) Nitrobenzene-d5	9.395	82	13032	3.669	ng	0.00
42) 2,4,6-Tribromophenol	16.328	330	11068	5.660	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	35686	3.850	ng	0.00
79) Terphenyl-d14	20.170	244	61062	4.145	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.912	154	26643	3.147	ng	98
58) Fluorene	15.893	166	35722	3.425	ng	98
71) Phenanthrene	17.632	178	447888	26.325	ng	99
72) Anthracene	17.720	178	65429	3.958	ng	99
75) Fluoranthene	19.630	202	645205	31.172	ng	99
78) Pyrene	19.994	202	614680	30.821	ng	99
81) Benzo(a)anthracene	21.856	228	257633	12.695	ng	99
83) Chrysene	21.927	228	272603m	14.110	ng	
87) Indeno(1,2,3-cd)pyrene	29.171	276	137909	5.208	ng	# 97
88) Benzo(b)fluoranthene	24.189	252	290952	13.822	ng	99
89) Benzo(k)fluoranthene	24.248	252	92919m	4.429	ng	
90) Benzo(a)pyrene	25.111	252	228408	12.645	ng	97
92) Benzo(g,h,i)perylene	30.394	276	136402	6.255	ng	96

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

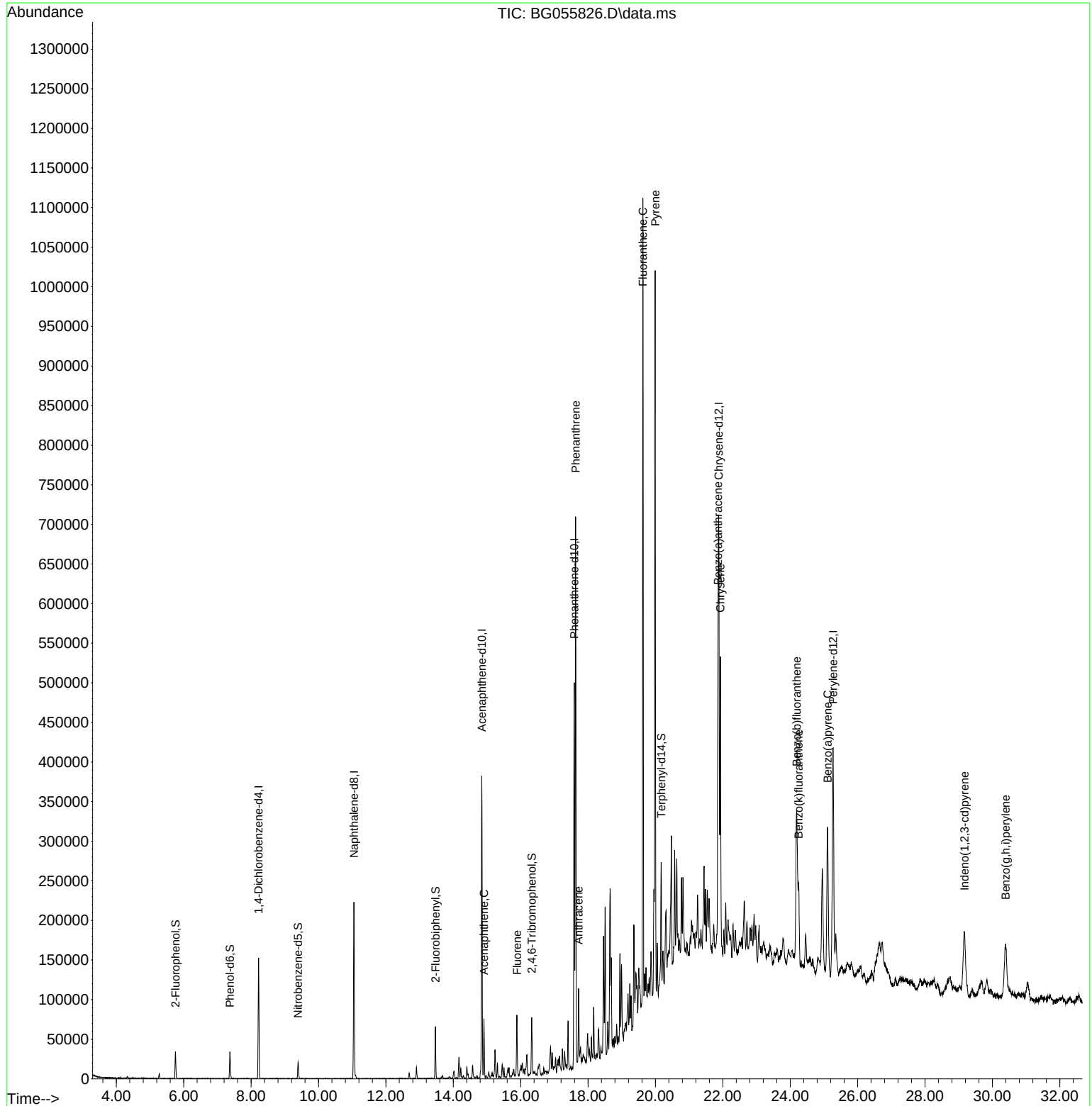
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112922\
Data File : BG055826.D
Acq On : 29 Nov 2022 13:15
Operator : CG/JU
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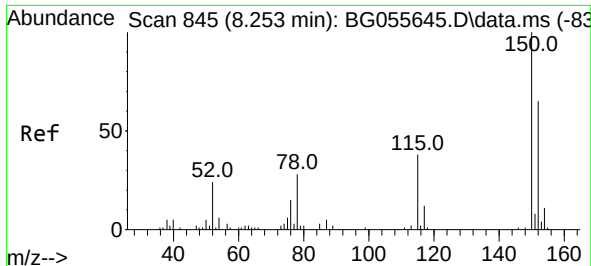
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

Quant Time: Nov 30 02:03:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 30 02:01:09 2022
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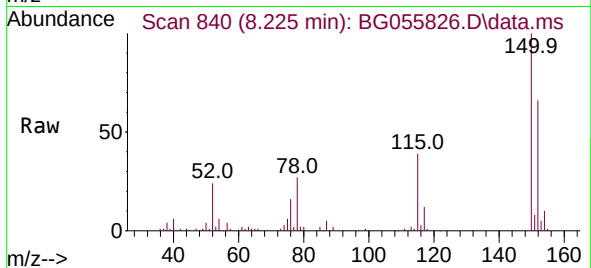
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 845
Delta R.T. -0.001 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

LOCATION-2DL

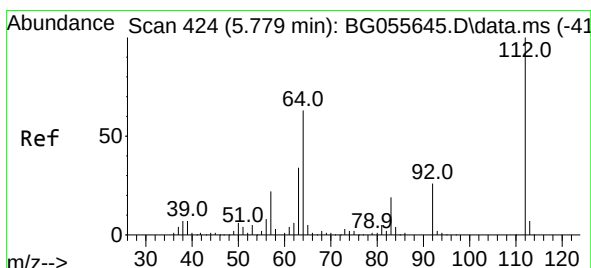
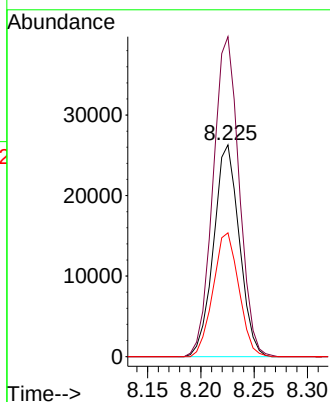
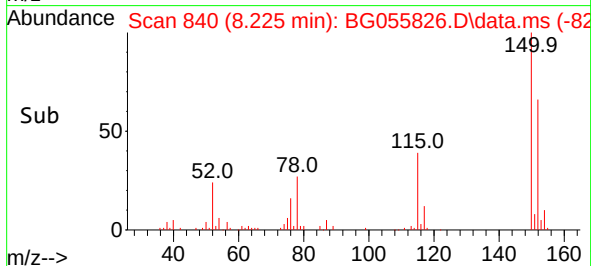


Tgt Ion:152 Resp: 44179
Ion Ratio Lower Upper
152 100
150 151.1 123.0 184.6
115 58.5 47.0 70.4

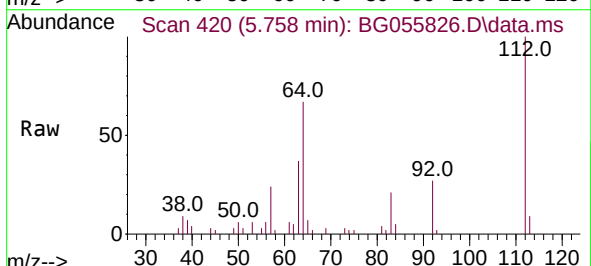
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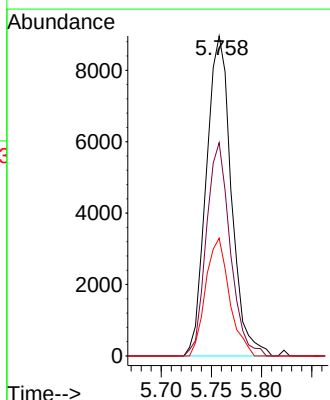
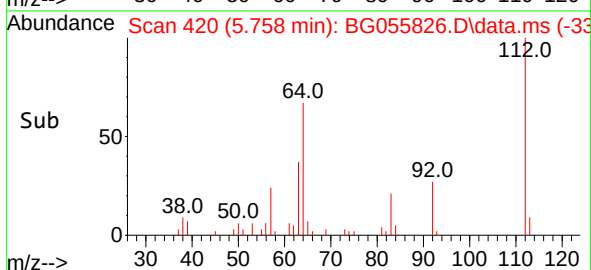
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

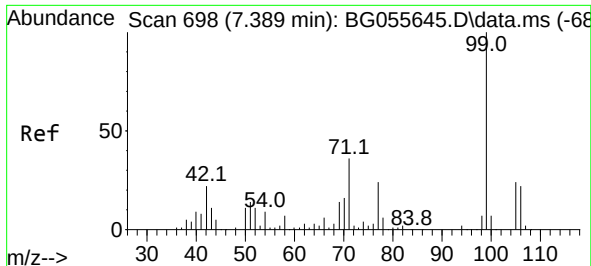


#5
2-Fluorophenol
Concen: 6.372 ng
RT: 5.758 min Scan# 420
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15



Tgt Ion:112 Resp: 15575
Ion Ratio Lower Upper
112 100
64 66.6 50.6 76.0
63 36.8 27.5 41.3





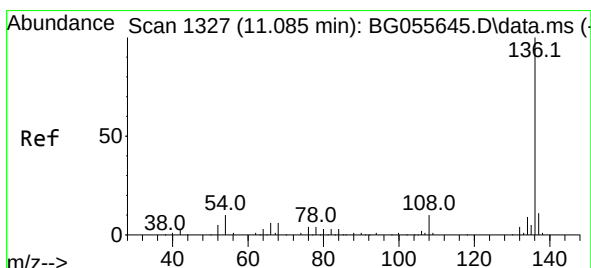
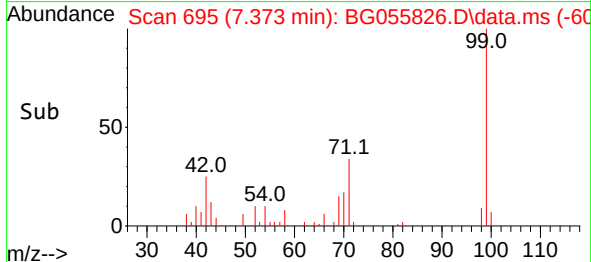
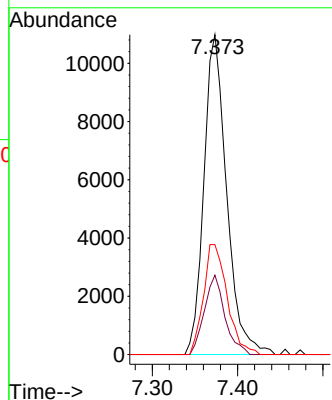
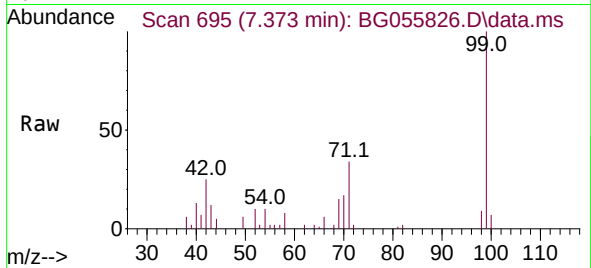
#7
Phenol-d6
Concen: 6.260 ng
RT: 7.373 min Scan# 698
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

Tgt Ion: 99 Resp: 20366
Ion Ratio Lower Upper
99 100
42 24.8 18.0 27.0
71 34.4 29.0 43.6

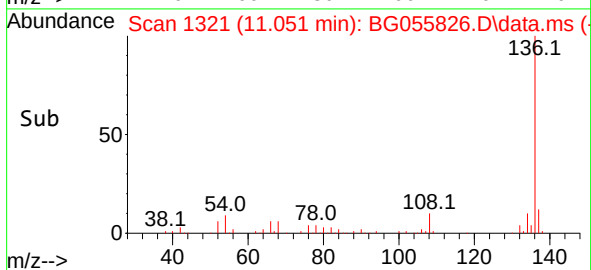
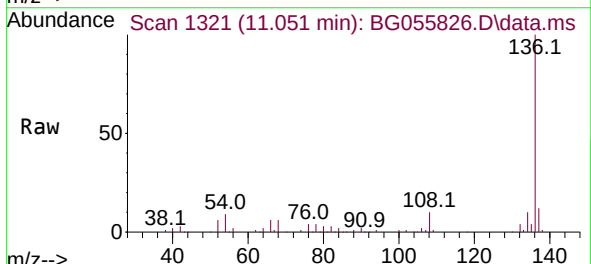
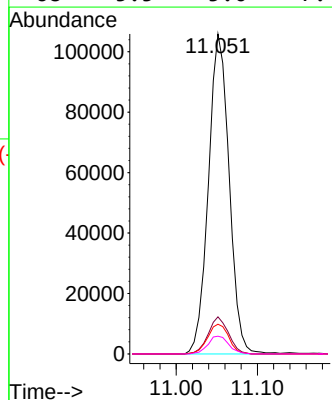
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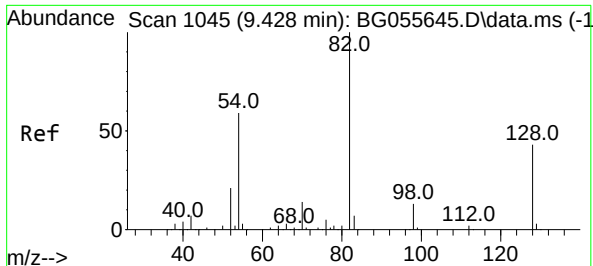
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.051 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:136 Resp: 187723
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.3 7.8 11.6
68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 3.669 ng

RT: 9.395 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

LOCATION-2DL

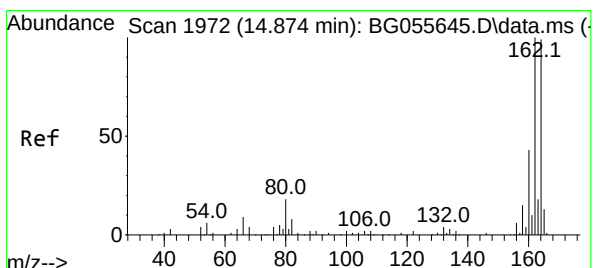
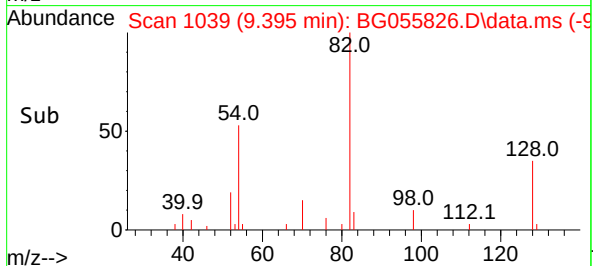
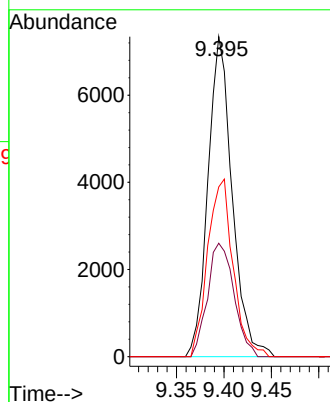
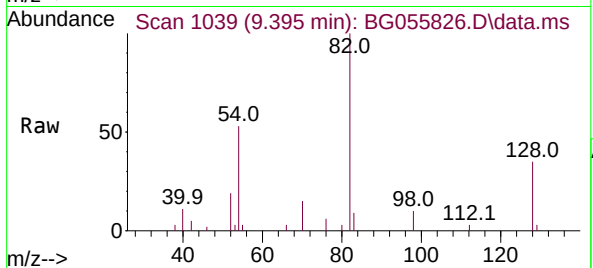
Tgt Ion: 82 Resp: 13032

Ion	Ratio	Lower	Upper
82	100		
128	35.5	34.1	51.1
54	53.0	47.3	70.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.847 min Scan# 1967

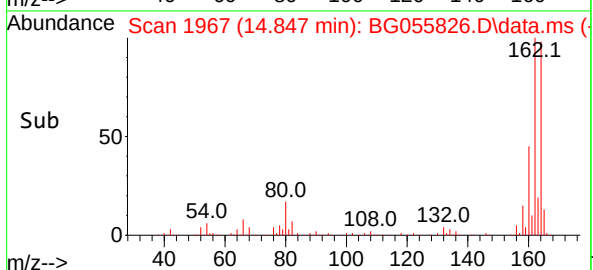
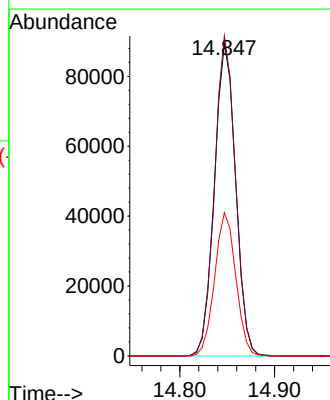
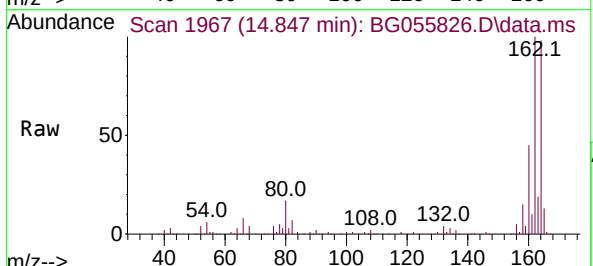
Delta R.T. -0.006 min

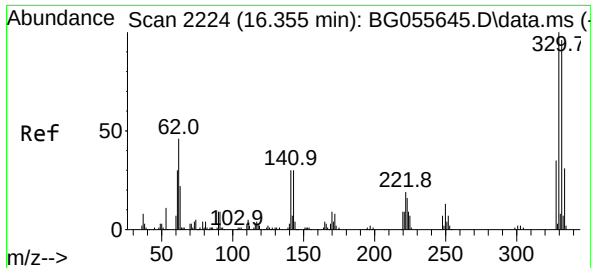
Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Tgt Ion:164 Resp: 138878

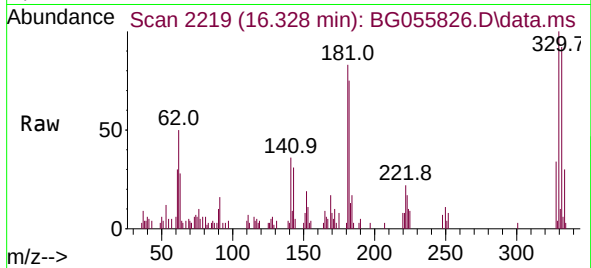
Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.1	121.7
160	45.9	34.8	52.2





#42
2,4,6-Tribromophenol
Concen: 5.660 ng
RT: 16.328 min Scan# 211
Delta R.T. -0.006 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

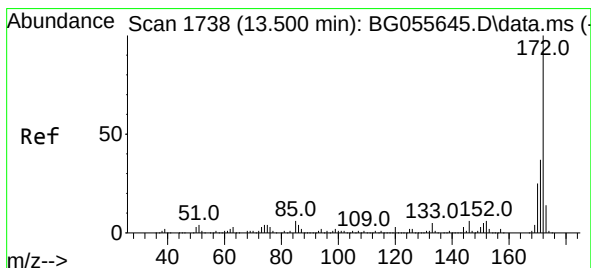
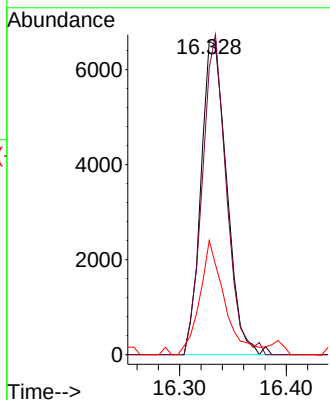
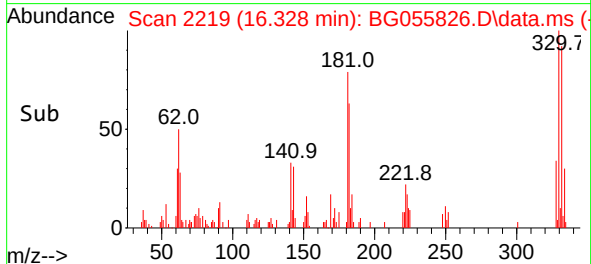
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL



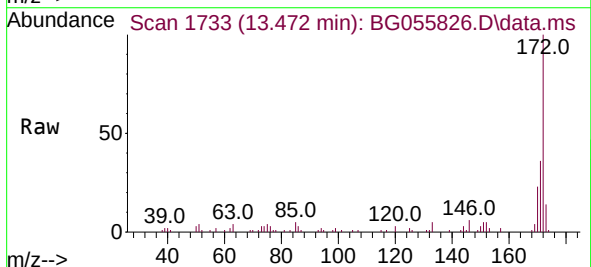
Tgt Ion:330 Resp: 11068
Ion Ratio Lower Upper
330 100
332 95.4 77.8 116.8
141 34.6 23.9 35.9

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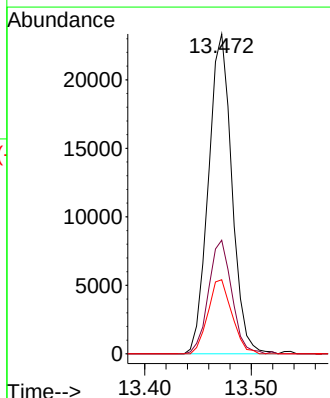
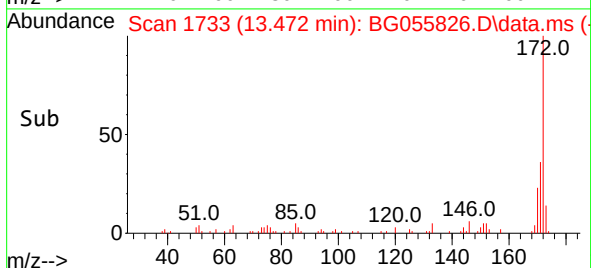
Reviewed By :Christian Giraldo 11/30/2022
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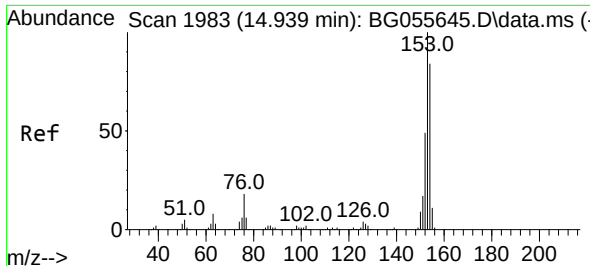


#45
2-Fluorobiphenyl
Concen: 3.850 ng
RT: 13.472 min Scan# 1733
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15



Tgt Ion:172 Resp: 35686
Ion Ratio Lower Upper
172 100
171 35.5 29.8 44.6
170 23.2 20.2 30.4





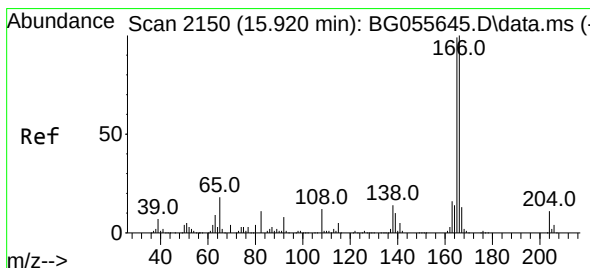
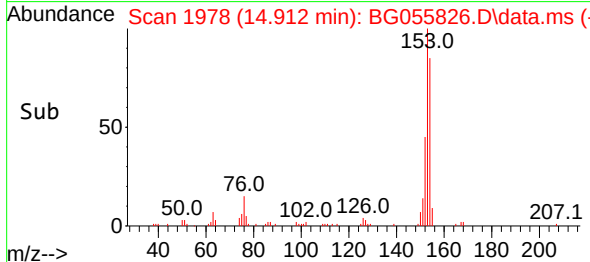
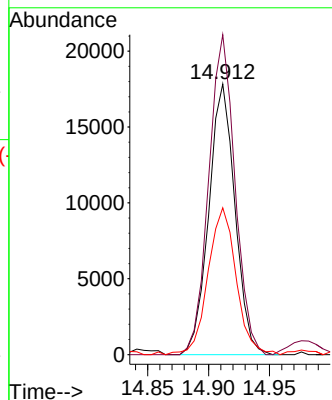
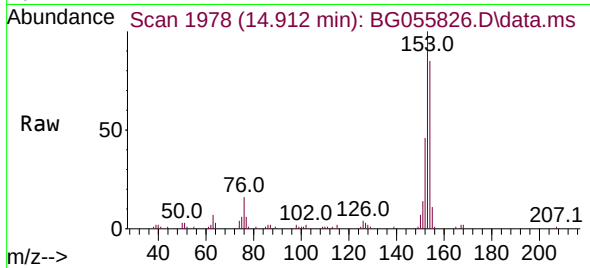
#52
Acenaphthene
Concen: 3.147 ng
RT: 14.912 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL

Tgt Ion:154 Resp: 2664
Ion Ratio Lower Upper
154 100
153 118.3 95.0 142.4
152 54.3 46.1 69.1

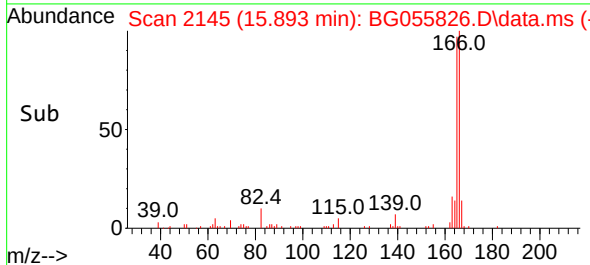
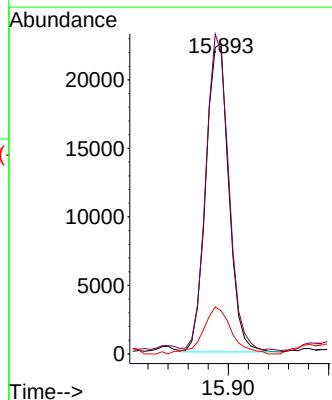
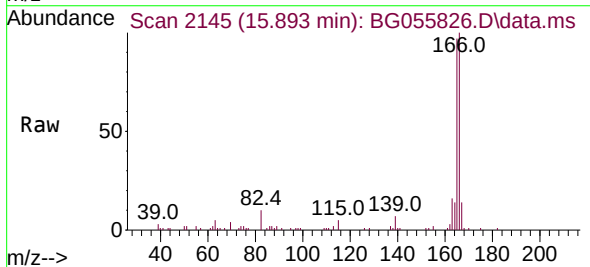
Manual Integrations
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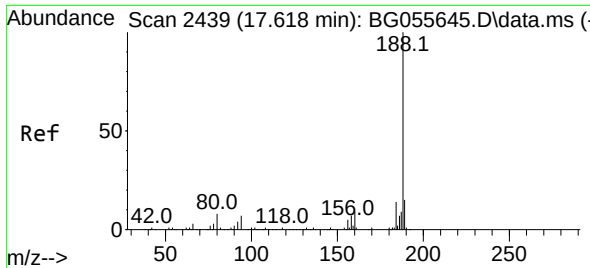
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#58
Fluorene
Concen: 3.425 ng
RT: 15.893 min Scan# 2145
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

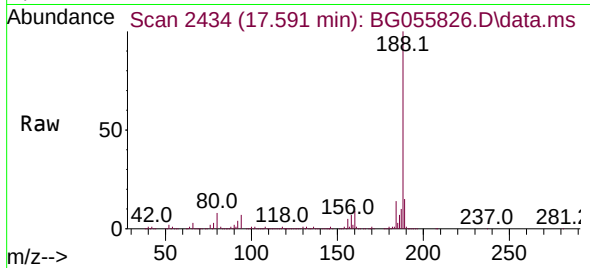
Tgt Ion:166 Resp: 35722
Ion Ratio Lower Upper
166 100
165 97.1 79.3 118.9
167 13.9 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.591 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

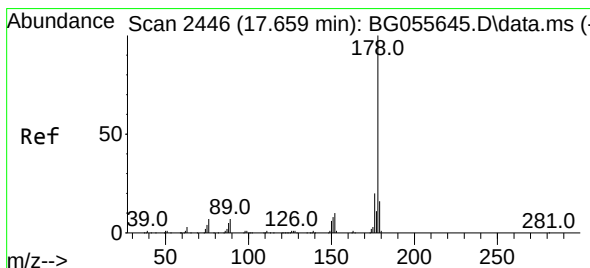
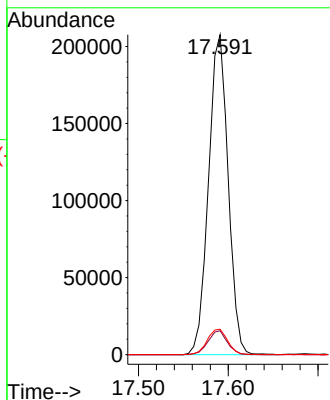
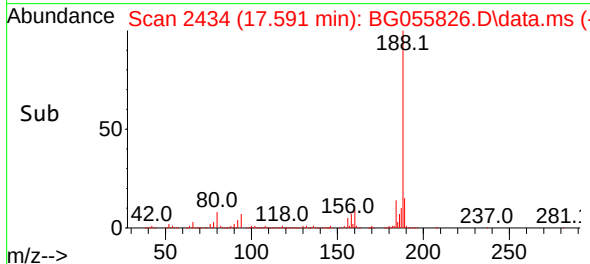
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BNA_G
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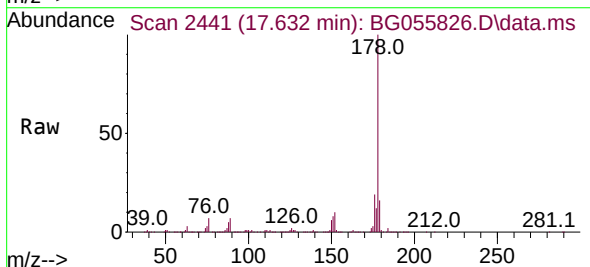
Tgt Ion:188 Resp: 315273
Ion Ratio Lower Upper
188 100
94 7.5 5.4 8.2
80 7.9 6.6 10.0

Manual Integrations
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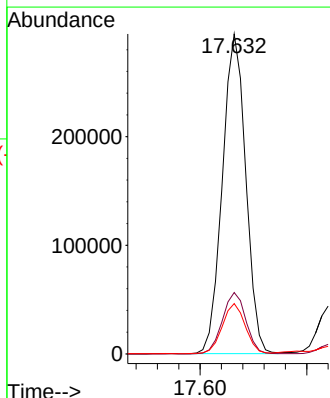
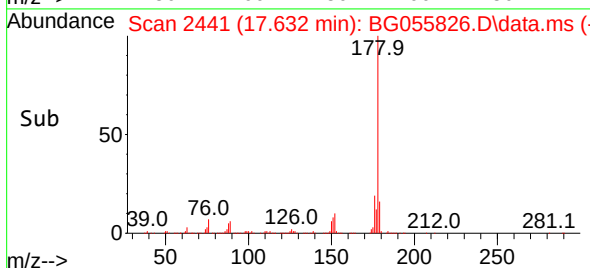
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022

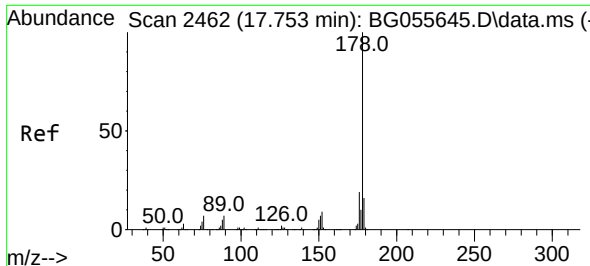


#71
Phenanthrene
Concen: 26.325 ng
RT: 17.632 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15



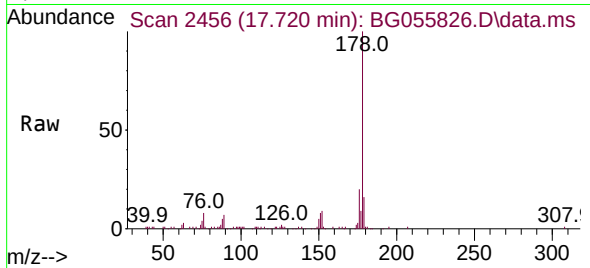
Tgt Ion:178 Resp: 447888
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.7 12.7 19.1





#72
 Anthracene
 Concen: 3.958 ng
 RT: 17.720 min Scan# 2462
 Delta R.T. -0.006 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

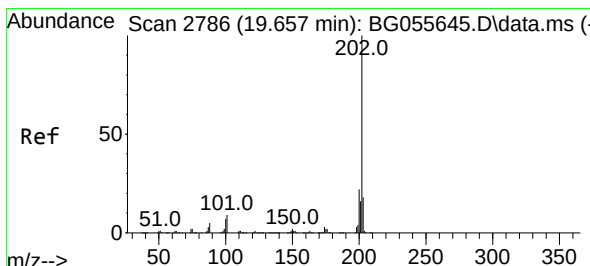
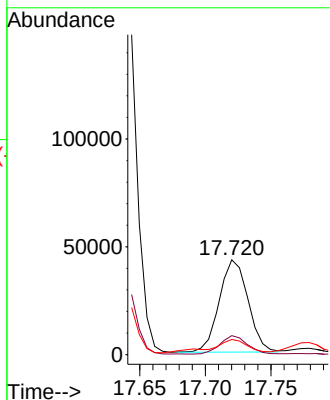
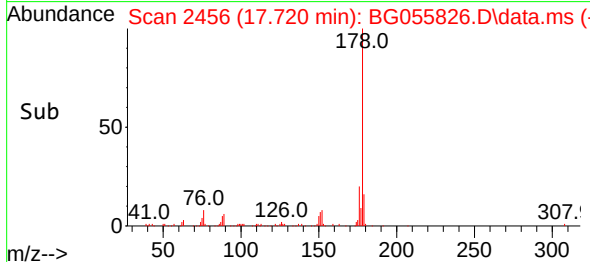
Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL



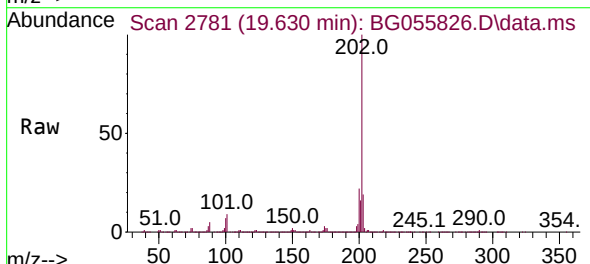
Tgt Ion:178 Resp: 65429
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.5 23.3
 179 15.9 12.5 18.7

Manual Integrations
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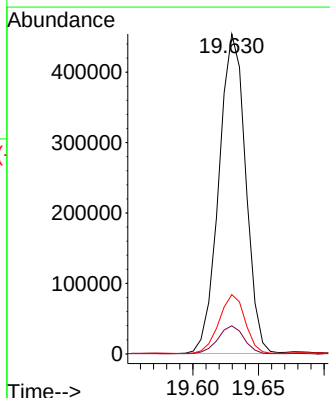
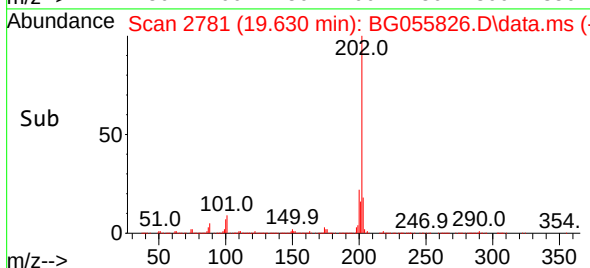
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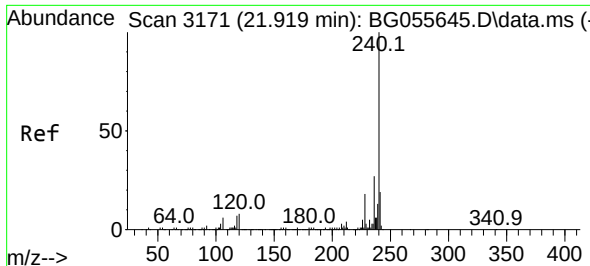


#75
 Fluoranthene
 Concen: 31.172 ng
 RT: 19.630 min Scan# 2781
 Delta R.T. -0.000 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15



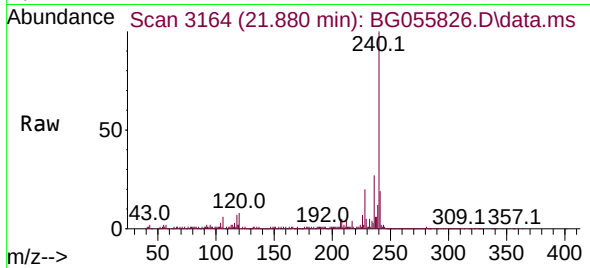
Tgt Ion:202 Resp: 645205
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 28.8
 203 18.6 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.880 min Scan# 3171
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

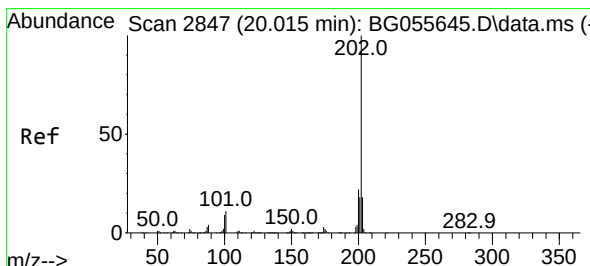
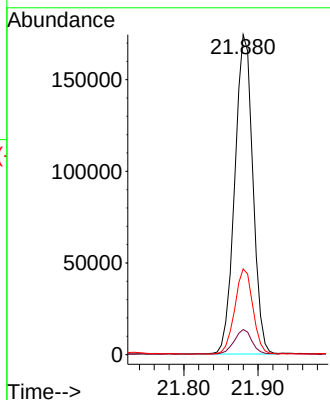
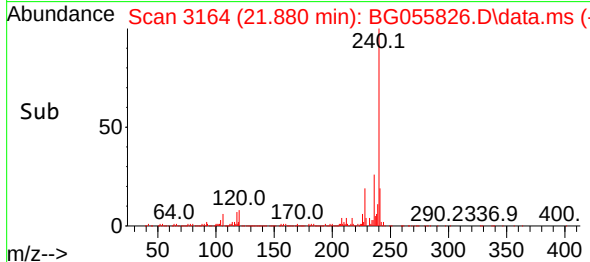
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL



Tgt Ion:240 Resp: 294638
Ion Ratio Lower Upper
240 100
120 7.8 6.3 9.5
236 26.8 21.9 32.9

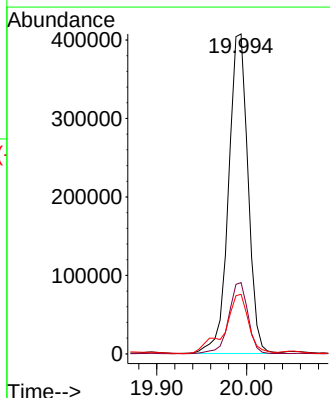
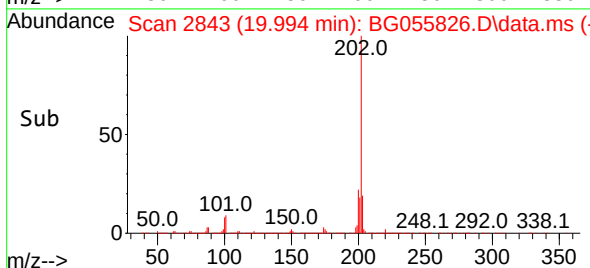
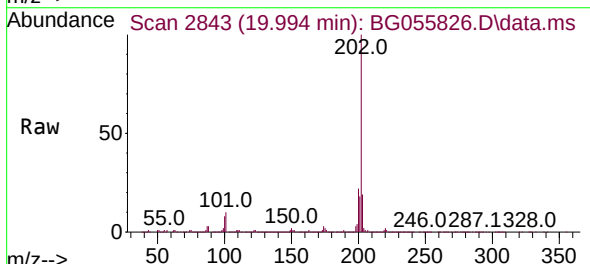
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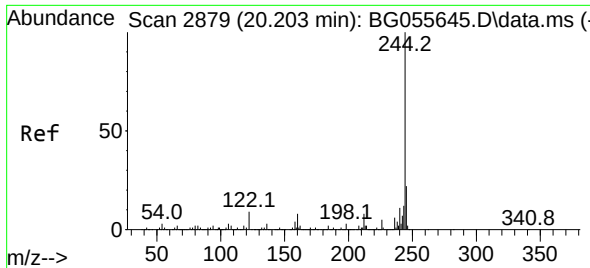
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#78
Pyrene
Concen: 30.821 ng
RT: 19.994 min Scan# 2843
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

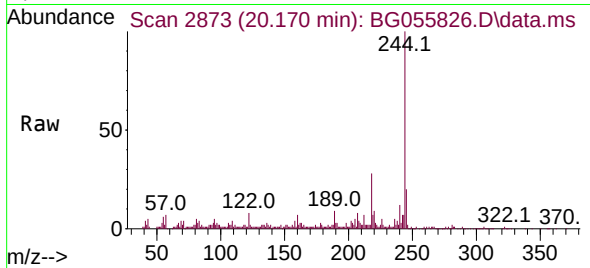
Tgt Ion:202 Resp: 614680
Ion Ratio Lower Upper
202 100
200 22.3 17.8 26.6
203 18.6 14.4 21.6





#79
 Terphenyl-d14
 Concen: 4.145 ng
 RT: 20.170 min Scan# 2879
 Delta R.T. -0.006 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

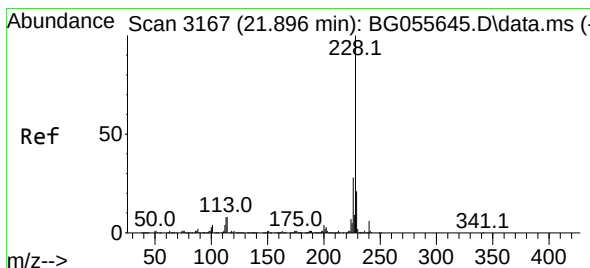
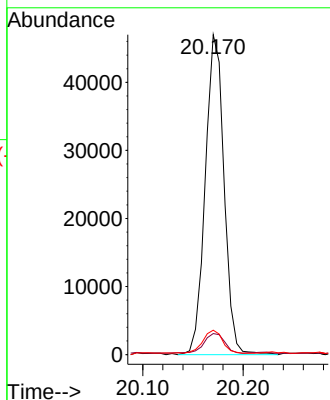
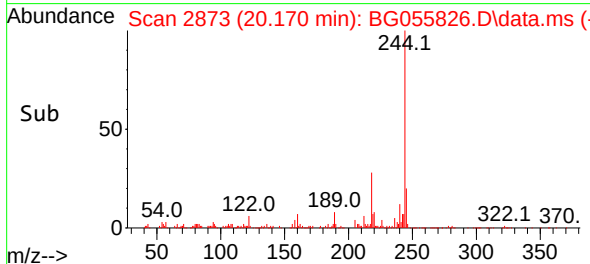
Instrument :
 BNA_G
 ClientSampleId :
 LOCATION-2DL



Tgt Ion:244 Resp: 61062
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.3 9.5
 122 7.6 6.9 10.3

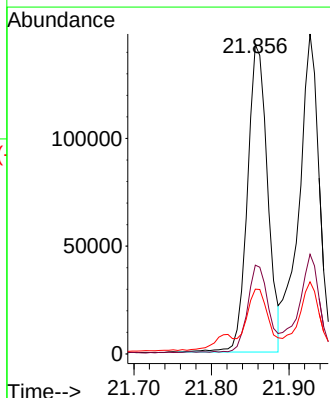
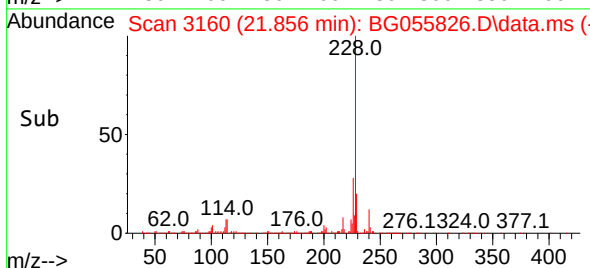
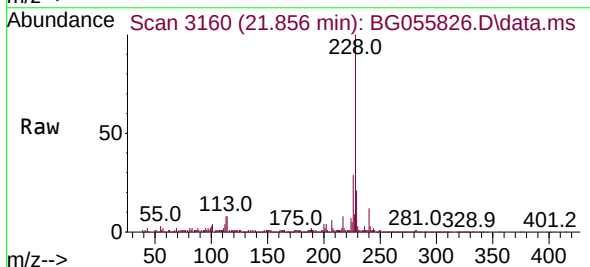
Manual Integrations
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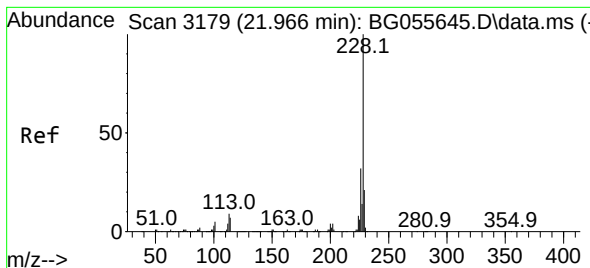
Reviewed By :Christian Giraldo 11/30/2022
 Supervised By :Jagrut Upadhyay 11/30/2022



#81
 Benzo(a)anthracene
 Concen: 12.695 ng
 RT: 21.856 min Scan# 3160
 Delta R.T. -0.006 min
 Lab File: BG055826.D
 Acq: 29 Nov 2022 13:15

Tgt Ion:228 Resp: 257633
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.7 34.1
 229 20.9 16.5 24.7





#83

Chrysene

Concen: 14.110 ng m

RT: 21.927 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

LOCATION-2DL

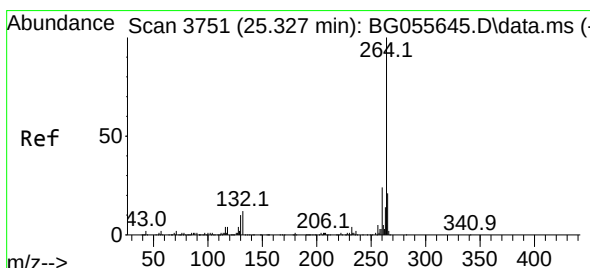
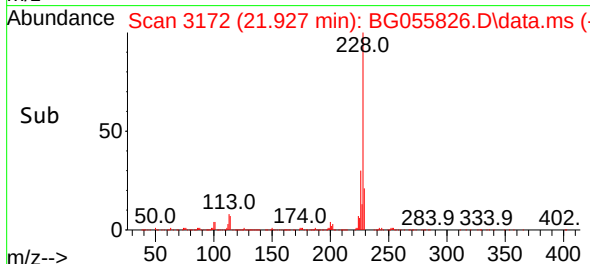
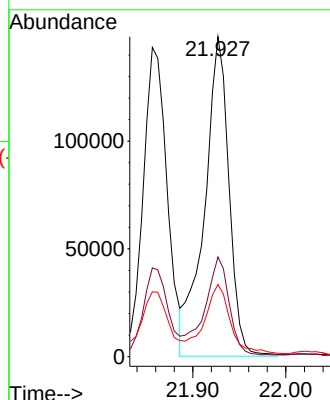
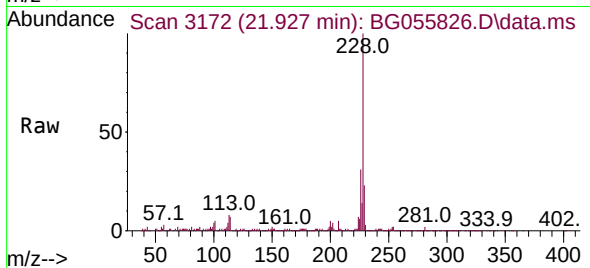
Tgt Ion:228 Resp: 272603

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.2
229	22.5	17.1	25.7

Manual Integrations

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Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.270 min Scan# 3741

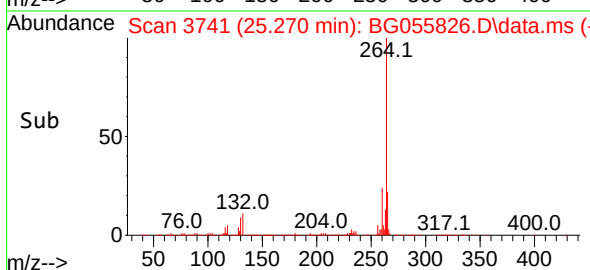
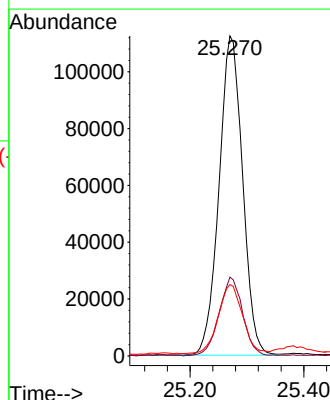
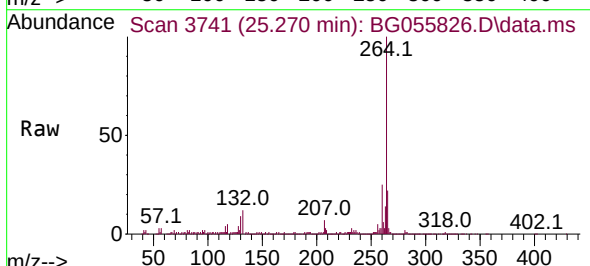
Delta R.T. -0.000 min

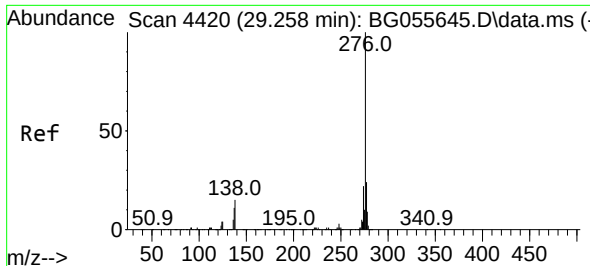
Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Tgt Ion:264 Resp: 323211

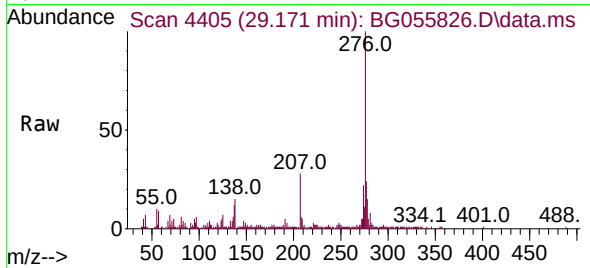
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	22.3	17.1	25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.208 ng
RT: 29.171 min Scan# 4420
Delta R.T. -0.018 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

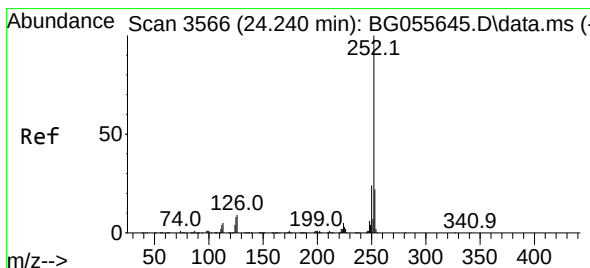
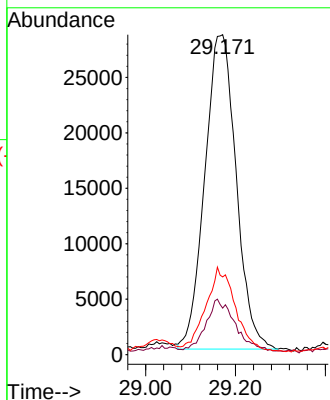
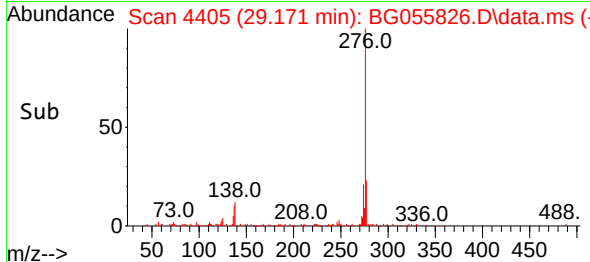
Instrument :
BNA_G
ClientSampleId :
LOCATION-2DL



Tgt Ion:276 Resp: 137909
Ion Ratio Lower Upper
276 100
138 15.7 10.4 15.6
277 25.6 20.2 30.4

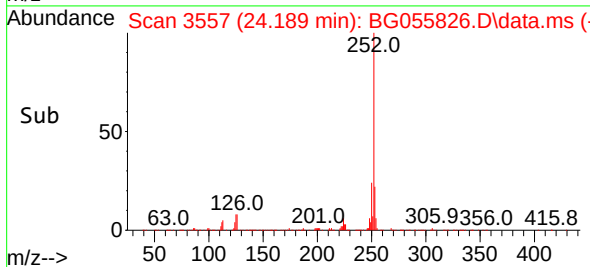
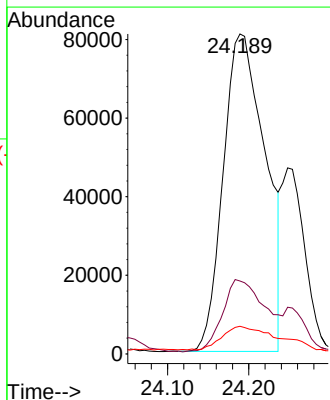
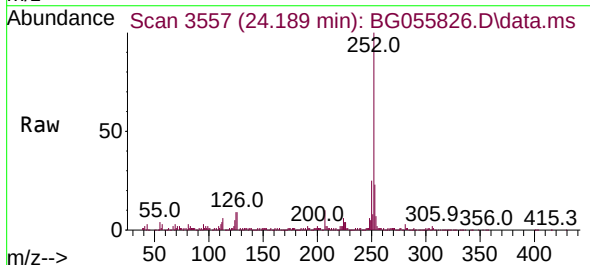
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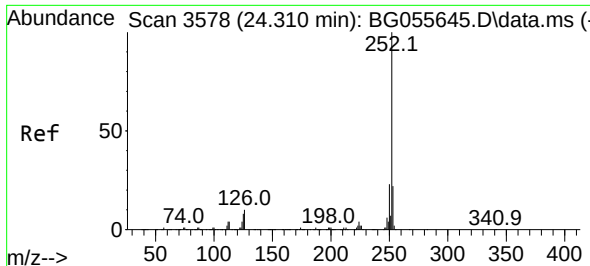
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :Jagrut Upadhyay 11/30/2022



#88
Benzo(b)fluoranthene
Concen: 13.822 ng
RT: 24.189 min Scan# 3557
Delta R.T. -0.000 min
Lab File: BG055826.D
Acq: 29 Nov 2022 13:15

Tgt Ion:252 Resp: 290952
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 8.6 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 4.429 ng m

RT: 24.248 min Scan# 3567

Delta R.T. -0.018 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

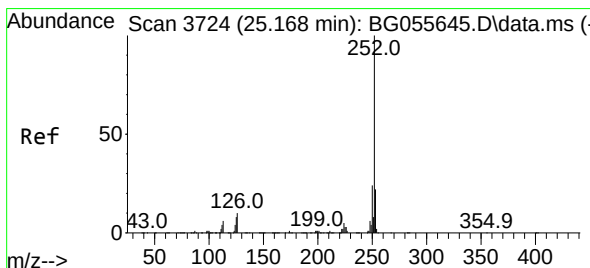
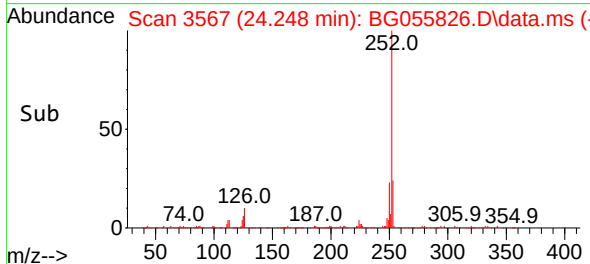
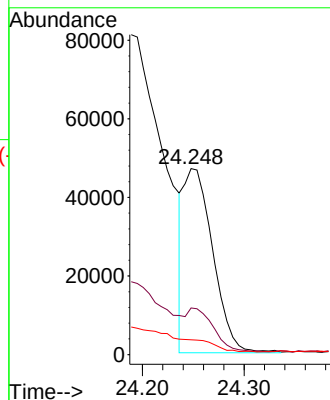
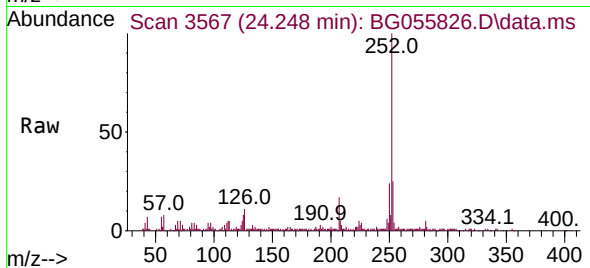
LOCATION-2DL

Tgt Ion:252 Resp: 92919
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.8 26.6
 125 8.0 6.1 9.1

Manual Integrations

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Reviewed By :Christian Giraldo 11/30/2022
 Supervised By :Jagrut Upadhyay 11/30/2022



#90

Benzo(a)pyrene

Concen: 12.645 ng

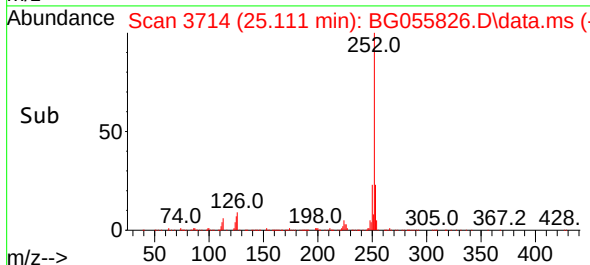
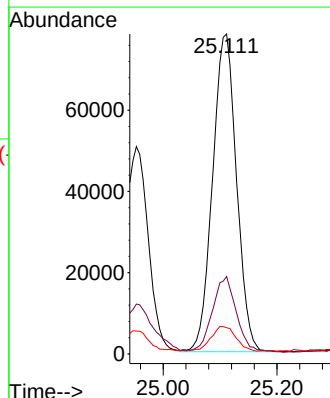
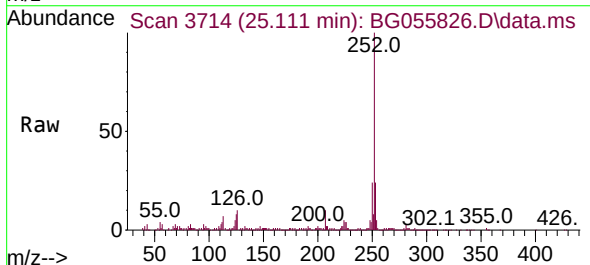
RT: 25.111 min Scan# 3714

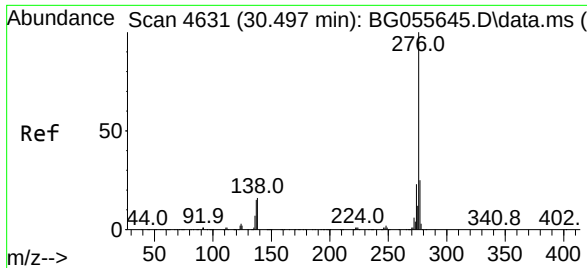
Delta R.T. -0.006 min

Lab File: BG055826.D

Acq: 29 Nov 2022 13:15

Tgt Ion:252 Resp: 228408
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.8 26.6
 125 8.2 6.4 9.6





#92

Benzo(g,h,i)perylene

Concen: 6.255 ng

RT: 30.394 min Scan# 4613

Delta R.T. -0.024 min

Lab File: BG055826.D

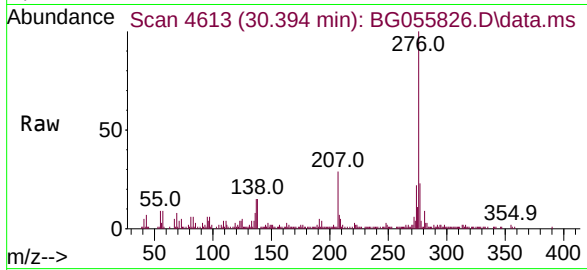
Acq: 29 Nov 2022 13:15

Instrument :

BNA_G

ClientSampleId :

LOCATION-2DL



Tgt Ion:276 Resp: 136402

Ion Ratio Lower Upper

276 100

277 22.9 19.8 29.6

138 14.7 13.1 19.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/30/2022

Supervised By :Jagrut Upadhyay 11/30/2022

