

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112322\
 Data File : BG055766.D
 Acq On : 23 Nov 2022 22:21
 Operator : CG/JU
 Sample : N5754-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124019

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/25/2022
 Supervised By : Jagrut Upadhyay 11/25/2022

Quant Time: Nov 24 06:09:59 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 24 06:05:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.238	152	29467	20.000	ng	0.00
21) Naphthalene-d8	11.064	136	135104	20.000	ng	# 0.00
39) Acenaphthene-d10	14.859	164	103238	20.000	ng	0.00
64) Phenanthrene-d10	17.603	188	235624	20.000	ng	0.00
76) Chrysene-d12	21.892	240	226218	20.000	ng	0.00
86) Perylene-d12	25.294	264	239216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.764	112	202724	124.352	ng	0.00
7) Phenol-d6	7.380	99	284092	130.911	ng	0.00
23) Nitrobenzene-d5	9.407	82	174907	68.426	ng	0.00
42) 2,4,6-Tribromophenol	16.346	330	162616	111.862	ng	0.00
45) 2-Fluorobiphenyl	13.484	172	435562	63.206	ng	0.00
79) Terphenyl-d14	20.188	244	720644	63.716	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	17.251	266	15568m	8.549	ng	
71) Phenanthrene	17.644	178	109697	8.627	ng	99
72) Anthracene	17.732	178	30628	2.479	ng	99
75) Fluoranthene	19.642	202	147944	9.564	ng	99
78) Pyrene	20.000	202	137035	8.949	ng	99
81) Benzo(a)anthracene	21.875	228	87249	5.600	ng	99
83) Chrysene	21.939	228	81481	5.493	ng	98
87) Indeno(1,2,3-cd)pyrene	29.195	276	40168	2.050	ng	# 95
88) Benzo(b)fluoranthene	24.207	252	99479	6.385	ng	99
89) Benzo(k)fluoranthene	24.272	252	43260m	2.786	ng	
90) Benzo(a)pyrene	25.124	252	67971	5.084	ng	100
92) Benzo(g,h,i)perylene	30.418	276	32841	2.035	ng	97

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

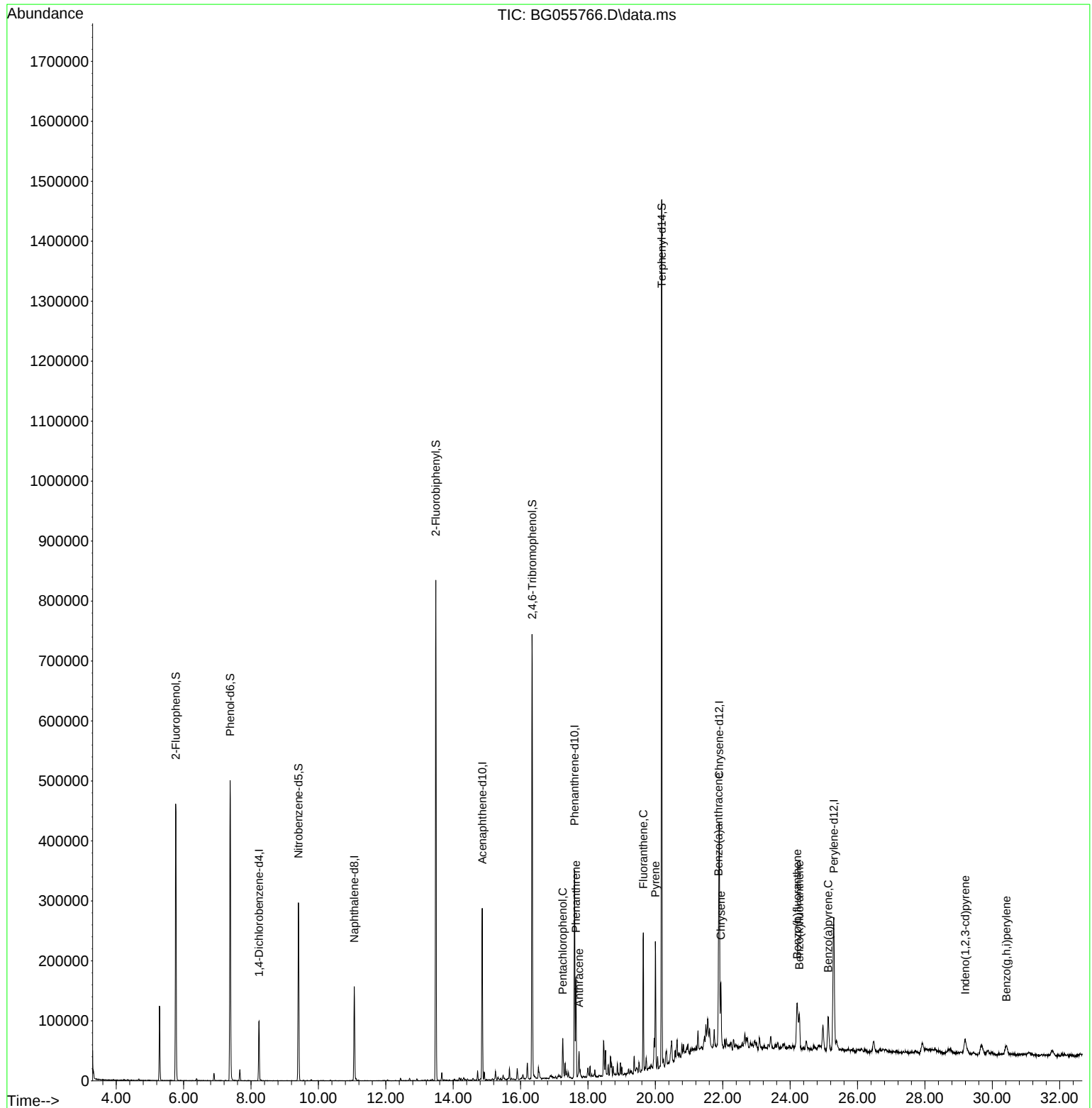
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Data File : BG055766.D
Acq On : 23 Nov 2022 22:21
Operator : CG/JU
Sample : N5754-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

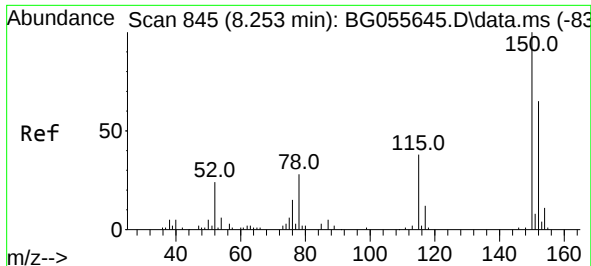
Instrument :
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ClientSampleId :
PSC-124019

Quant Time: Nov 24 06:09:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 06:05:02 2022
Response via : Initial Calibration

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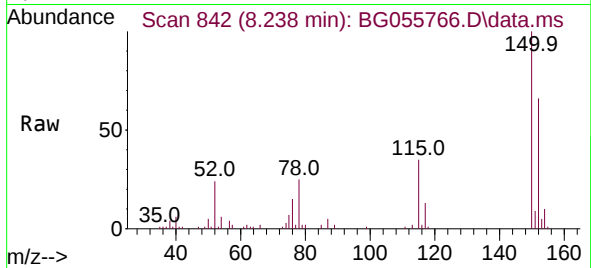
Reviewed By : Christian Giraldo 11/25/2022
Supervised By : Jagrut Upadhyay 11/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.238 min Scan# 845
Delta R.T. 0.002 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

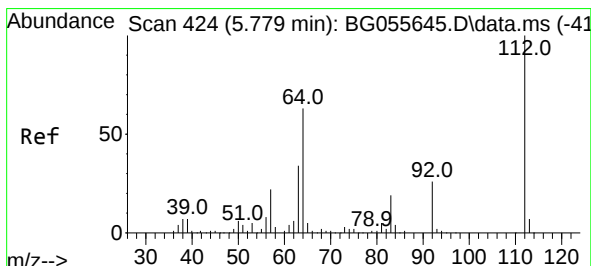
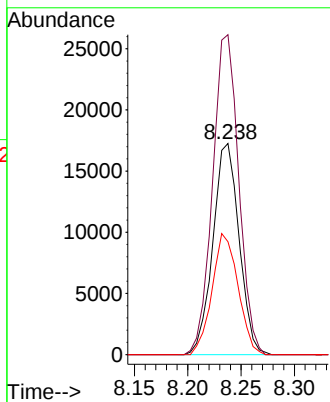
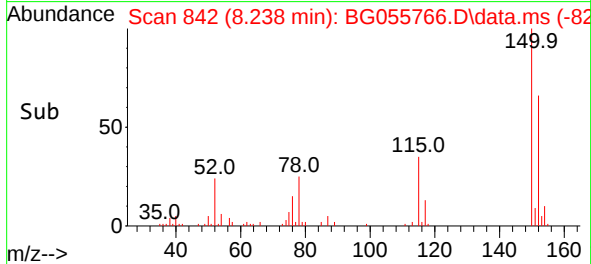
Instrument :
BNA_G
ClientSampleId :
PSC-124019



Tgt Ion:152 Resp: 29462
Ion Ratio Lower Upper
152 100
150 151.5 123.0 184.6
115 53.5 47.0 70.4

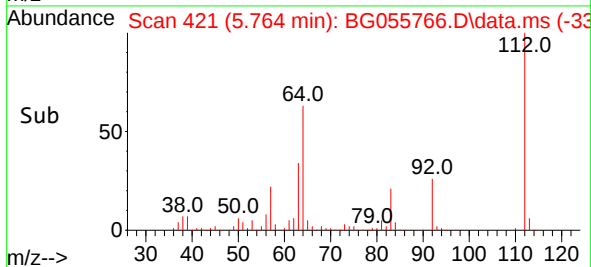
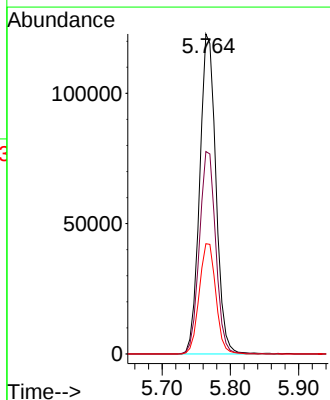
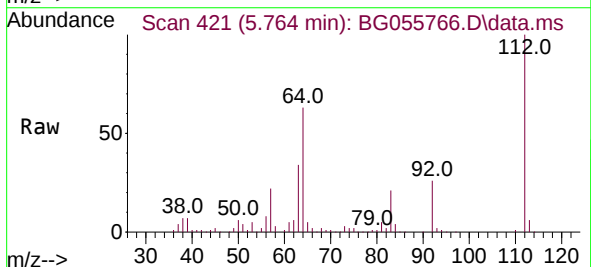
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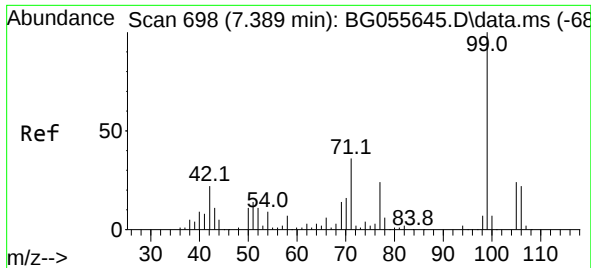
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#5
2-Fluorophenol
Concen: 124.352 ng
RT: 5.764 min Scan# 421
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:112 Resp: 202724
Ion Ratio Lower Upper
112 100
64 63.2 50.6 76.0
63 34.4 27.5 41.3





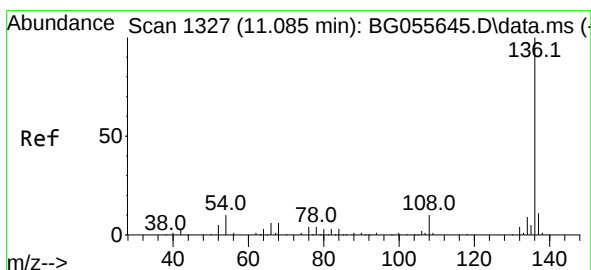
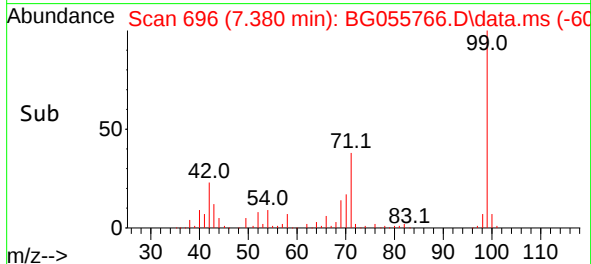
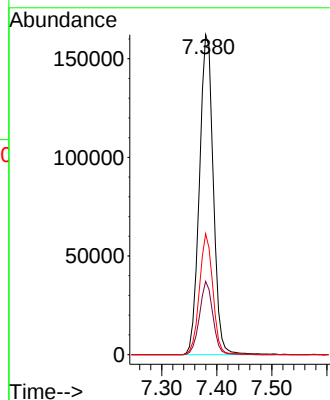
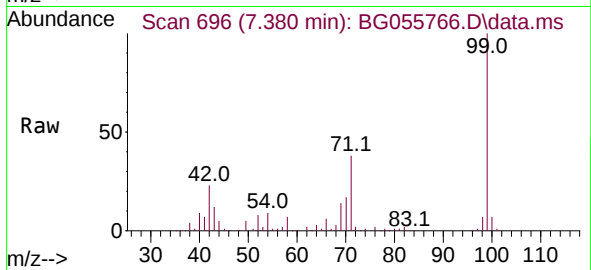
#7
Phenol-d6
Concen: 130.911 ng
RT: 7.380 min Scan# 698
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Instrument :
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ClientSampleId :
PSC-124019

Tgt Ion: 99 Resp: 284092
Ion Ratio Lower Upper
99 100
42 22.9 18.0 27.0
71 37.8 29.0 43.6

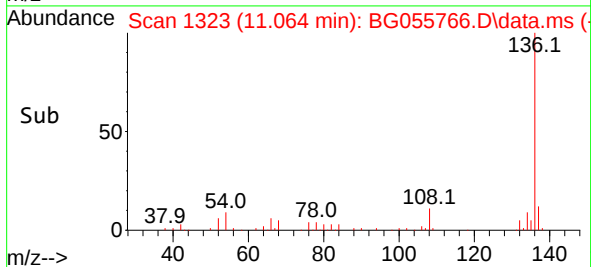
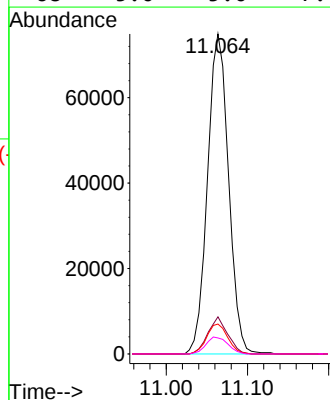
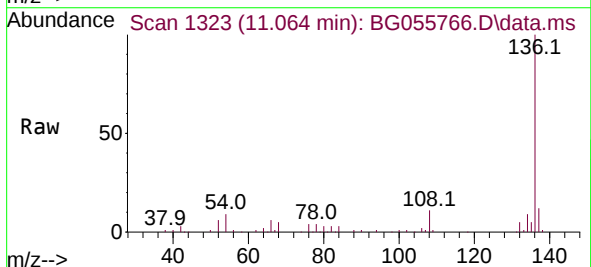
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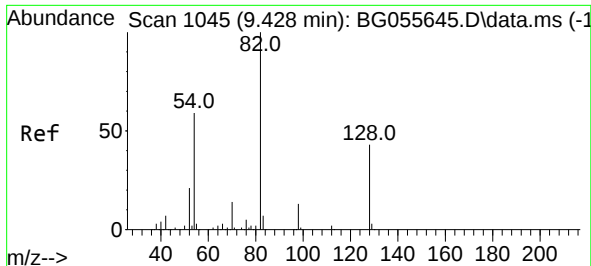
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.064 min Scan# 1323
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

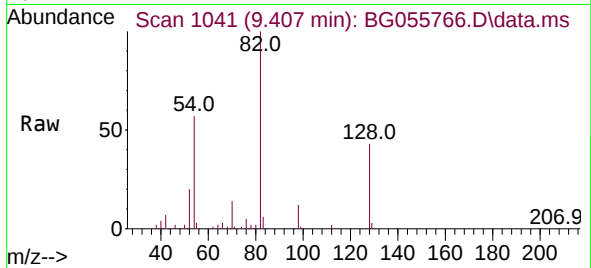
Tgt Ion:136 Resp: 135104
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 9.3 7.8 11.6
68 5.0 5.0 7.4#





#23
Nitrobenzene-d5
Concen: 68.426 ng
RT: 9.407 min Scan# 1045
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

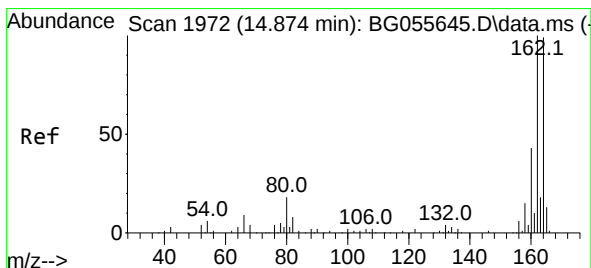
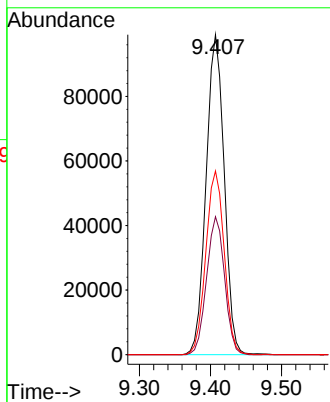
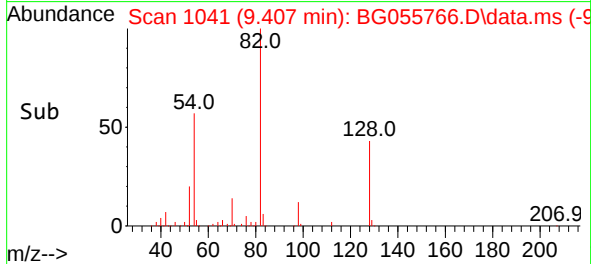
Instrument :
BNA_G
ClientSampleId :
PSC-124019



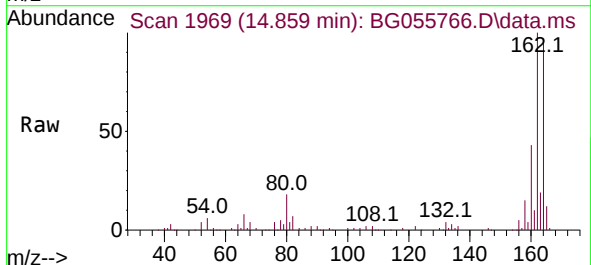
Tgt Ion: 82 Resp: 17490
Ion Ratio Lower Upper
82 100
128 43.1 34.1 51.1
54 57.4 47.3 70.9

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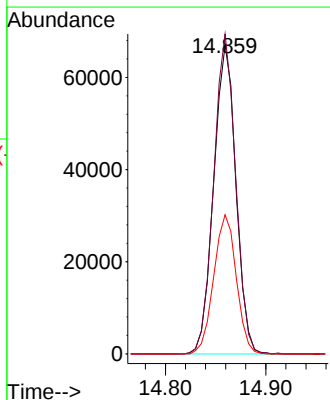
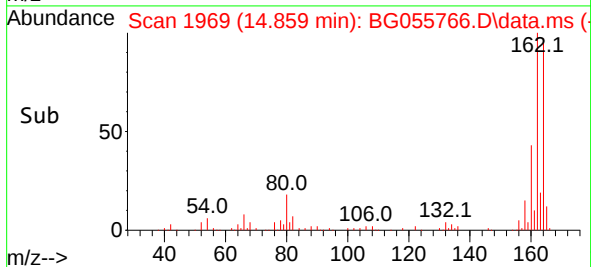
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

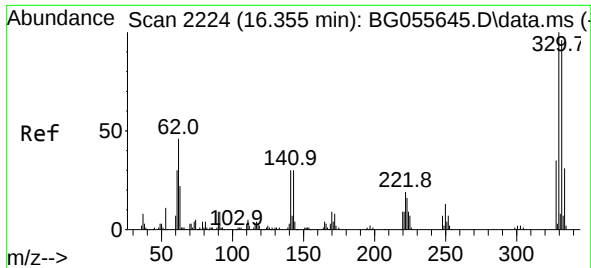


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.859 min Scan# 1969
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21



Tgt Ion:164 Resp: 103238
Ion Ratio Lower Upper
164 100
162 103.6 81.1 121.7
160 45.0 34.8 52.2





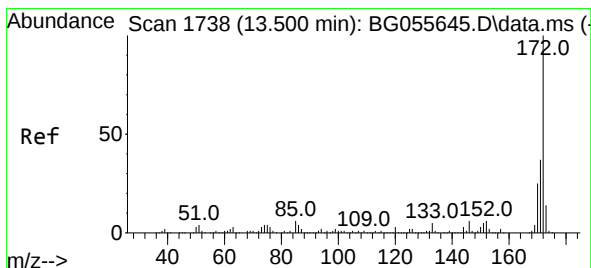
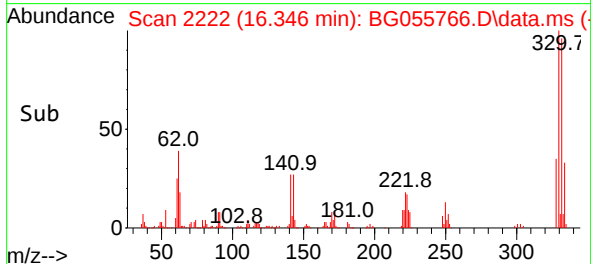
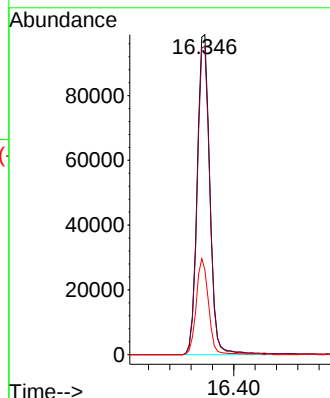
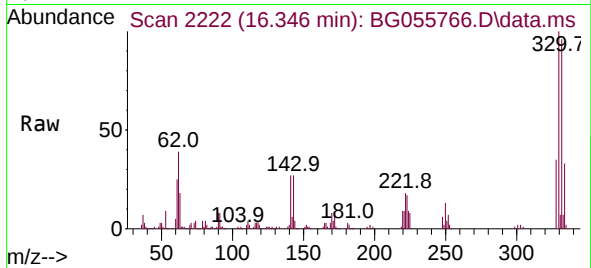
#42
2,4,6-Tribromophenol
Concen: 111.862 ng
RT: 16.346 min Scan# 221
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Instrument :
BNA_G
ClientSampleId :
PSC-124019

Tgt Ion:330 Resp: 162616
Ion Ratio Lower Upper
330 100
332 96.2 77.8 116.8
141 29.0 23.9 35.9

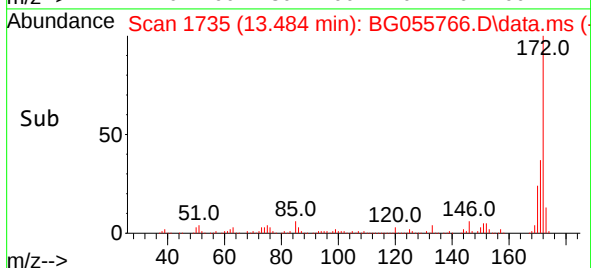
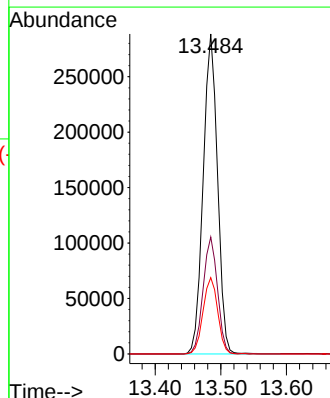
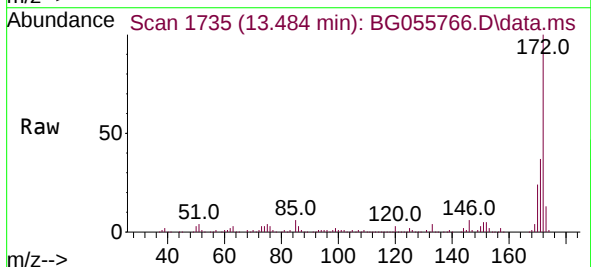
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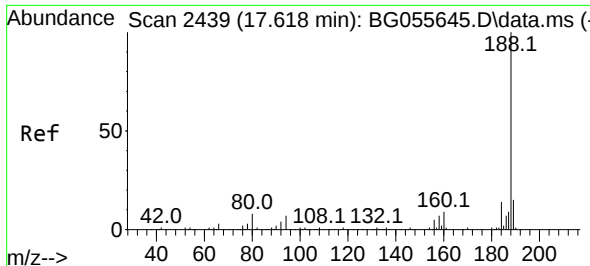
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#45
2-Fluorobiphenyl
Concen: 63.206 ng
RT: 13.484 min Scan# 1735
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

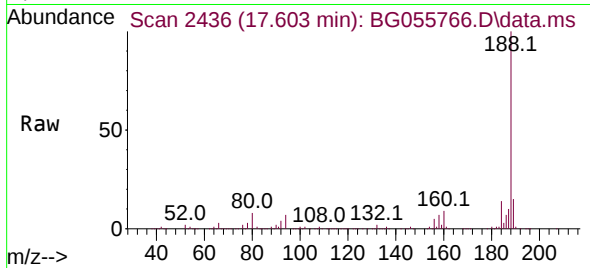
Tgt Ion:172 Resp: 435562
Ion Ratio Lower Upper
172 100
171 36.5 29.8 44.6
170 23.8 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.603 min Scan# 2436
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

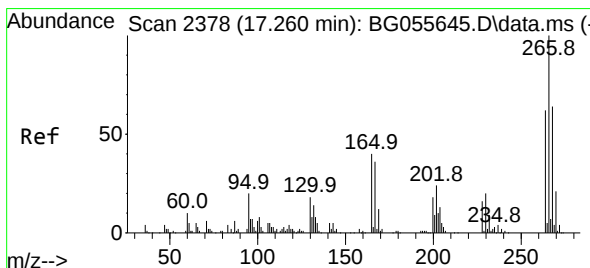
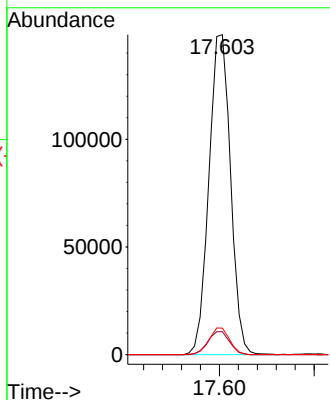
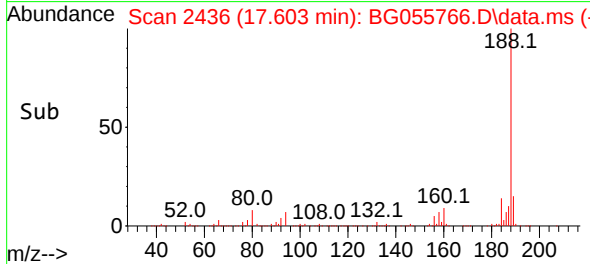
Instrument :
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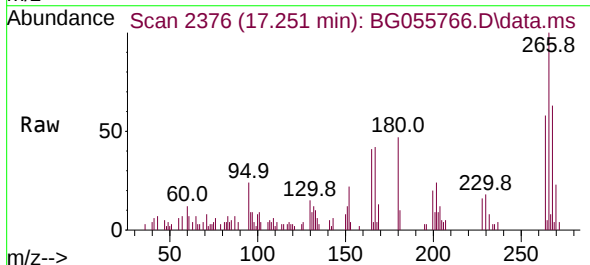
Tgt Ion:188 Resp: 235624
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.3 6.6 10.0

Manual Integrations
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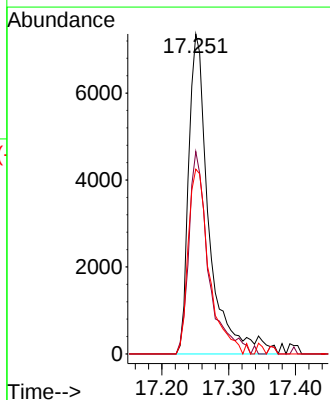
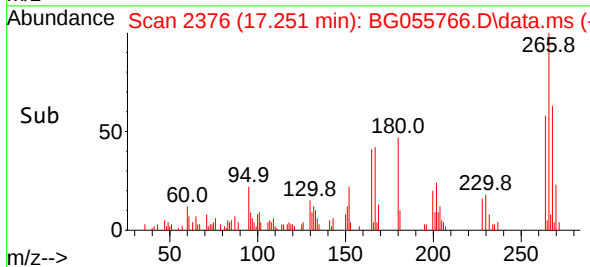
Reviewed By :Christian Giraldo 11/25/2022
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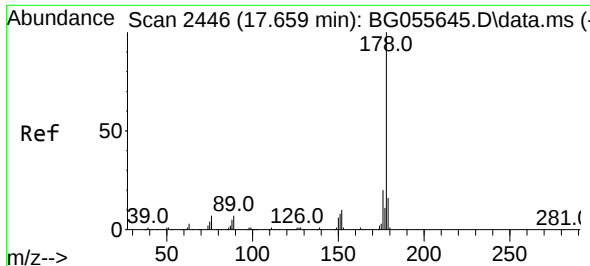


#70
Pentachlorophenol
Concen: 8.549 ng m
RT: 17.251 min Scan# 2376
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21



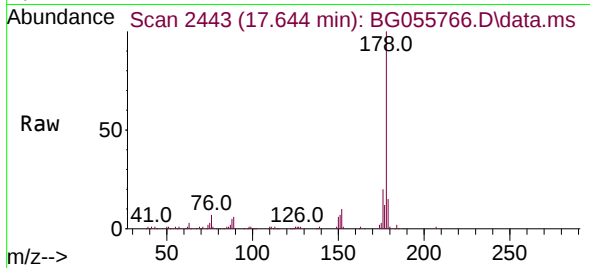
Tgt Ion:266 Resp: 15568
Ion Ratio Lower Upper
266 100
268 63.2 51.2 76.8
264 57.7 49.5 74.3





#71
Phenanthrene
Concen: 8.627 ng
RT: 17.644 min Scan# 2446
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

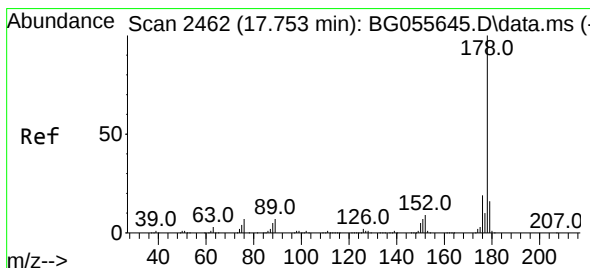
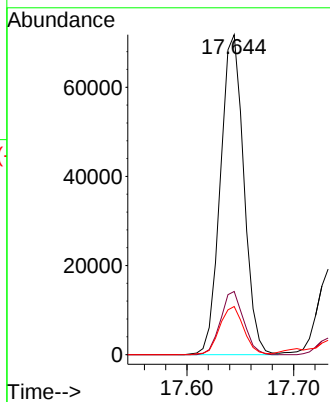
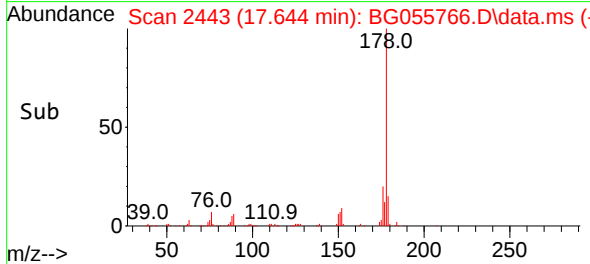
Instrument :
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ClientSampleId :
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Tgt Ion:178 Resp: 109697
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.0 12.7 19.1

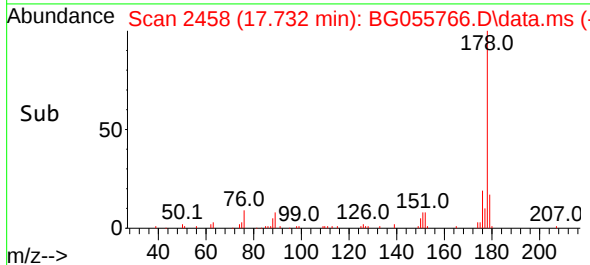
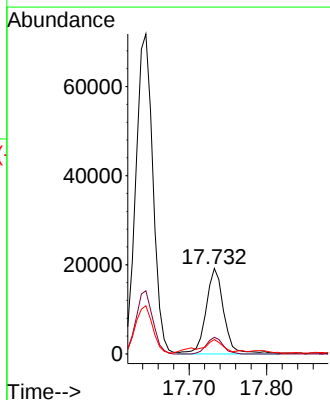
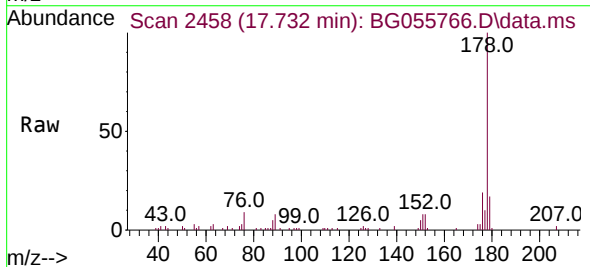
Manual Integrations
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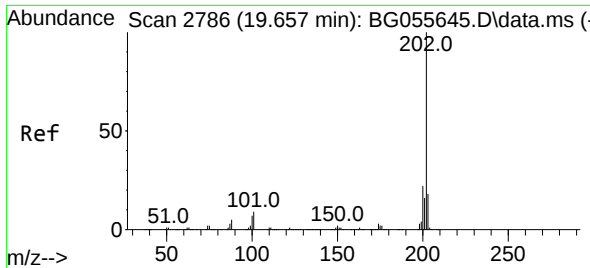
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#72
Anthracene
Concen: 2.479 ng
RT: 17.732 min Scan# 2458
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

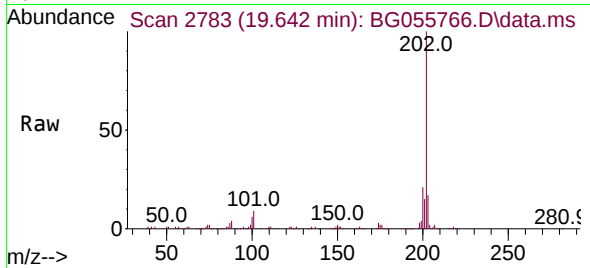
Tgt Ion:178 Resp: 30628
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 16.7 12.5 18.7





#75
Fluoranthene
Concen: 9.564 ng
RT: 19.642 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

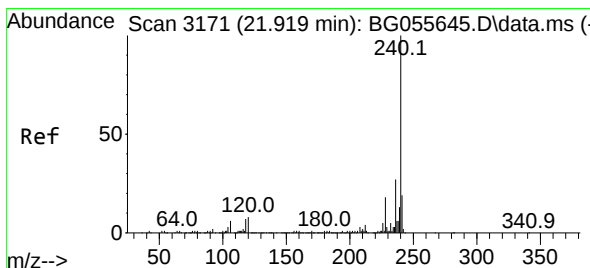
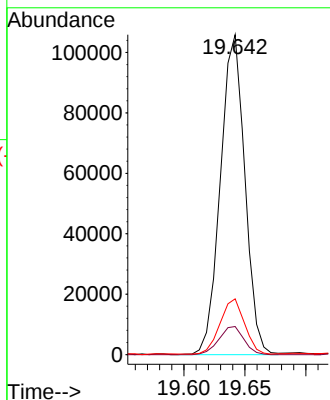
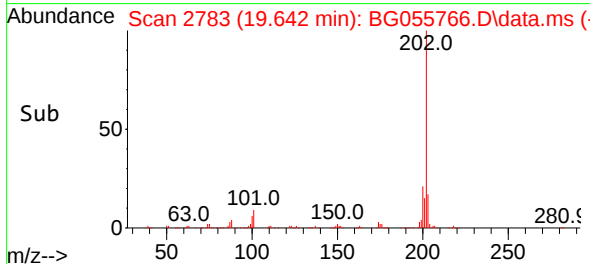
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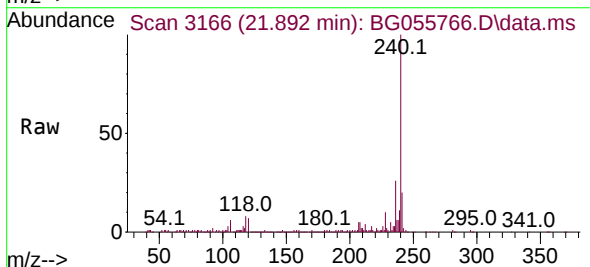
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Ion Ratio Lower Upper
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101 8.8 0.0 28.8
203 17.4 0.0 38.1

Manual Integrations
APPROVED

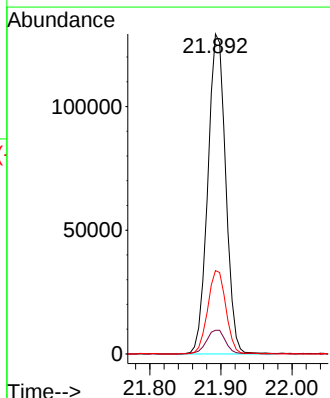
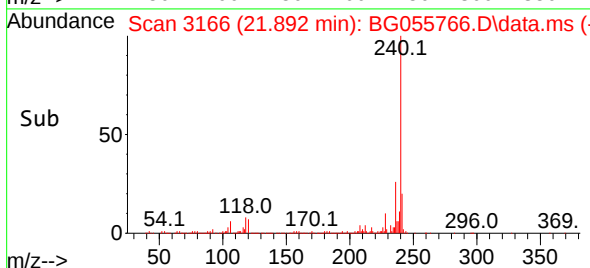
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

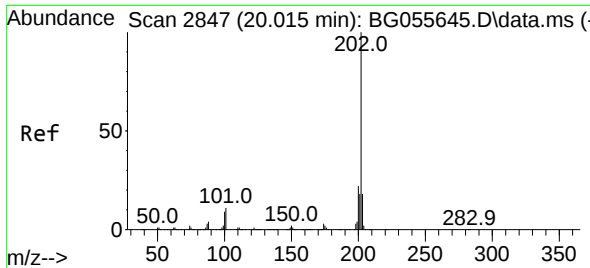


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.892 min Scan# 3166
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21



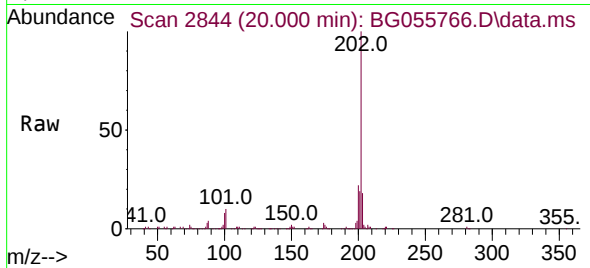
Tgt Ion:240 Resp: 226218
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.0 21.9 32.9





#78
Pyrene
Concen: 8.949 ng
RT: 20.000 min Scan# 2847
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

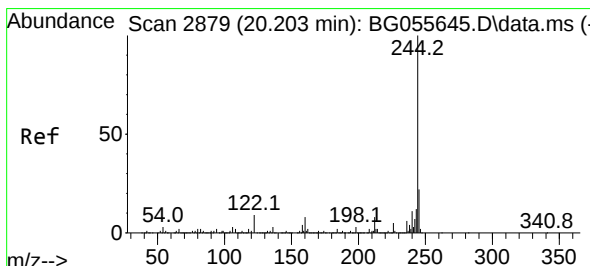
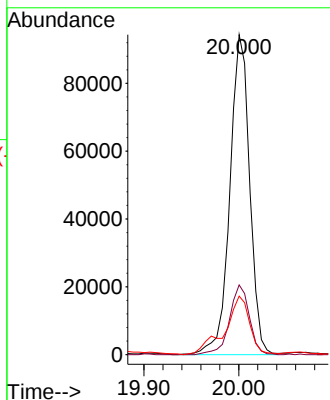
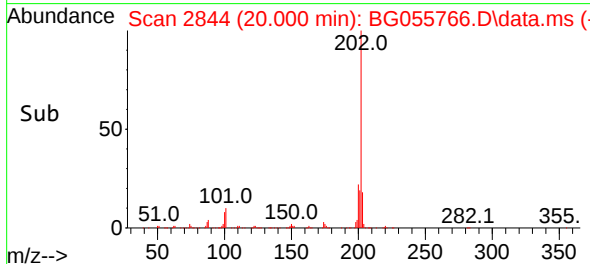
Instrument :
BNA_G
ClientSampleId :
PSC-124019



Tgt Ion:202 Resp: 137035
Ion Ratio Lower Upper
202 100
200 21.8 17.8 26.6
203 18.3 14.4 21.6

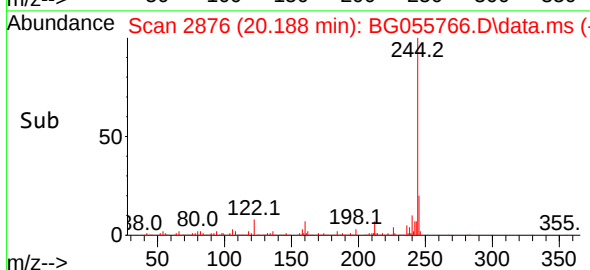
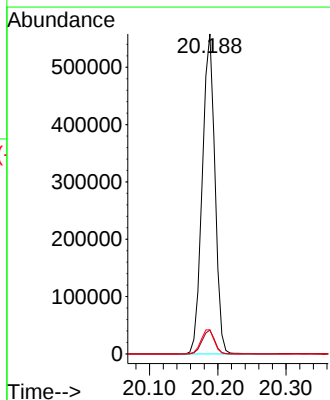
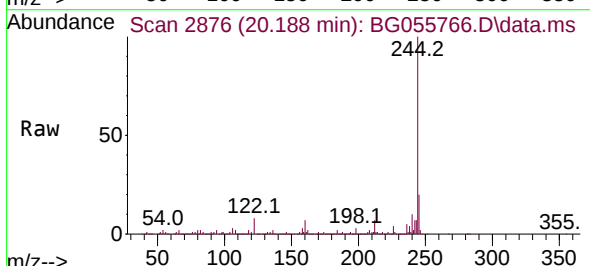
Manual Integrations
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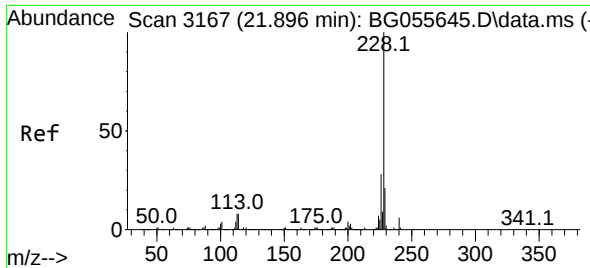
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#79
Terphenyl-d14
Concen: 63.716 ng
RT: 20.188 min Scan# 2876
Delta R.T. -0.004 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

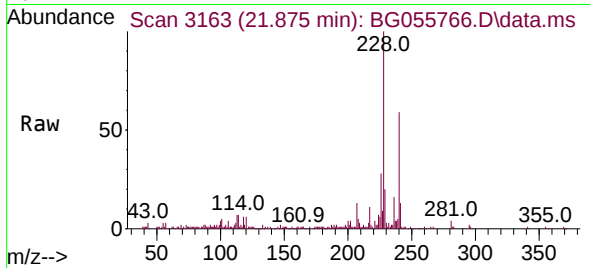
Tgt Ion:244 Resp: 720644
Ion Ratio Lower Upper
244 100
212 7.4 6.3 9.5
122 7.5 6.9 10.3





#81
Benzo(a)anthracene
Concen: 5.600 ng
RT: 21.875 min Scan# 3163
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

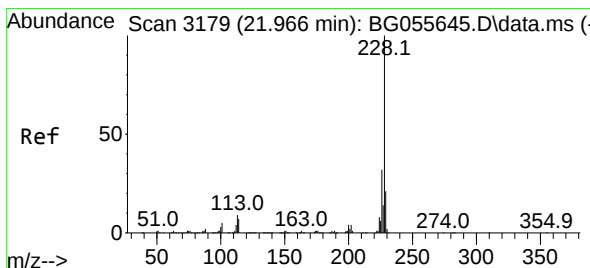
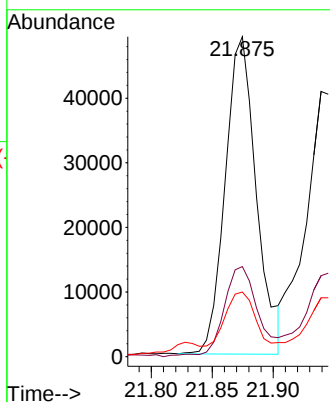
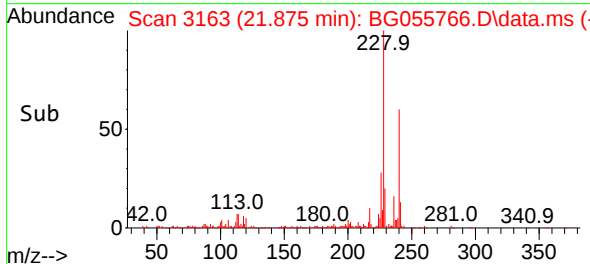
Instrument :
BNA_G
ClientSampleId :
PSC-124019



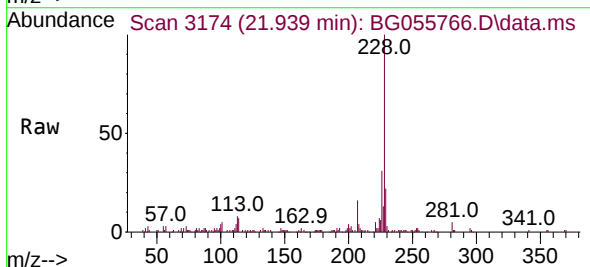
Tgt Ion:228 Resp: 87249
Ion Ratio Lower Upper
228 100
226 28.1 22.7 34.1
229 20.2 16.5 24.7

Manual Integrations
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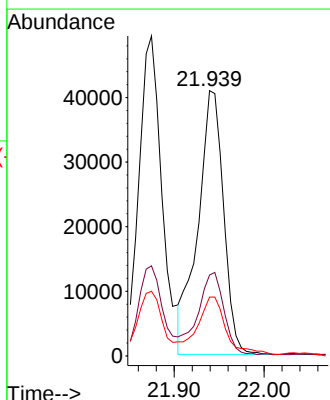
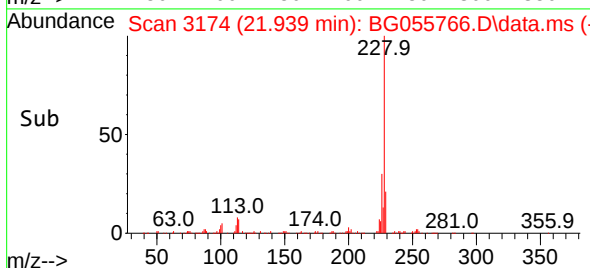
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

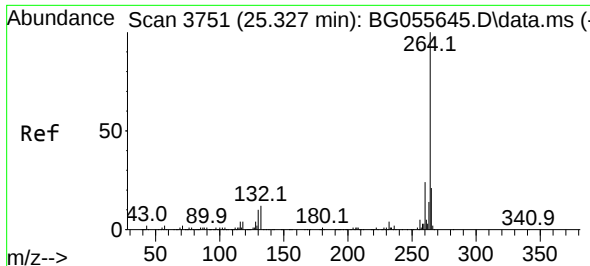


#83
Chrysene
Concen: 5.493 ng
RT: 21.939 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21



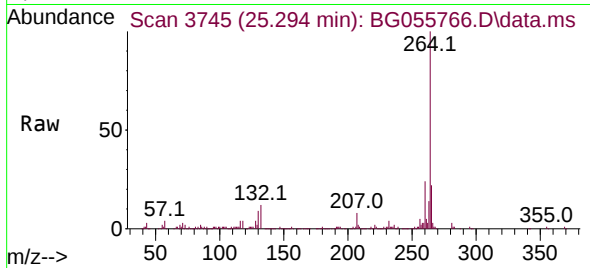
Tgt Ion:228 Resp: 81481
Ion Ratio Lower Upper
228 100
226 30.5 25.4 38.2
229 22.2 17.1 25.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.294 min Scan# 31
 Delta R.T. -0.010 min
 Lab File: BG055766.D
 Acq: 23 Nov 2022 22:21

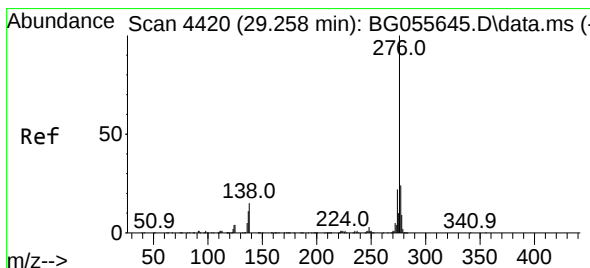
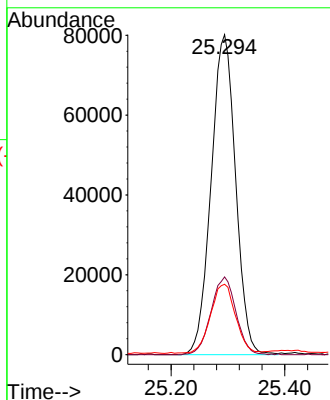
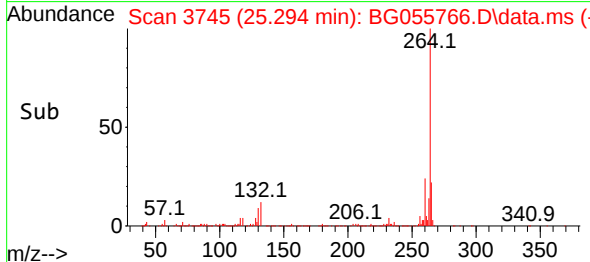
Instrument :
 BNA_G
 ClientSampleId :
 PSC-124019



Tgt Ion:264 Resp: 239216
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.0 17.1 25.7

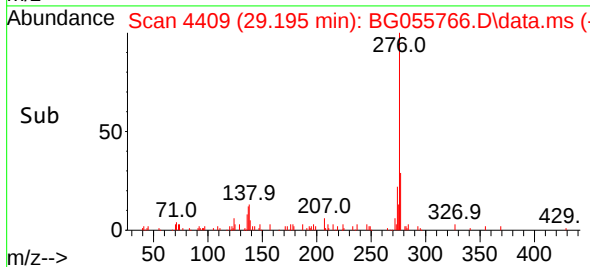
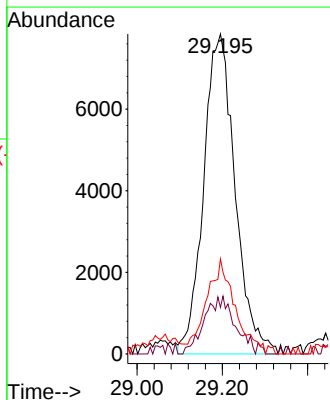
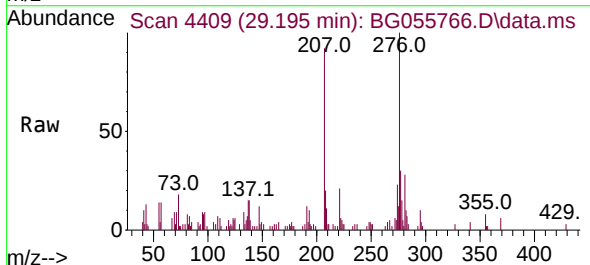
Manual Integrations
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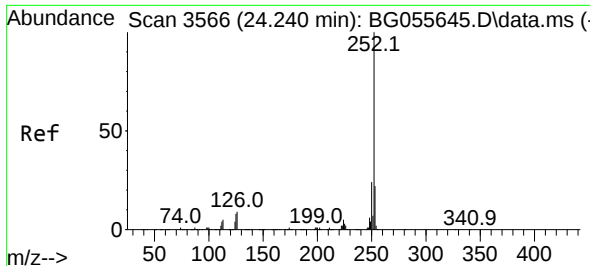
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.050 ng
 RT: 29.195 min Scan# 4409
 Delta R.T. -0.039 min
 Lab File: BG055766.D
 Acq: 23 Nov 2022 22:21

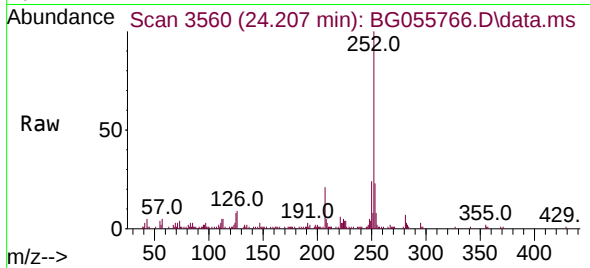
Tgt Ion:276 Resp: 40168
 Ion Ratio Lower Upper
 276 100
 138 9.6 10.4 15.6#
 277 26.8 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 6.385 ng
RT: 24.207 min Scan# 3566
Delta R.T. -0.010 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

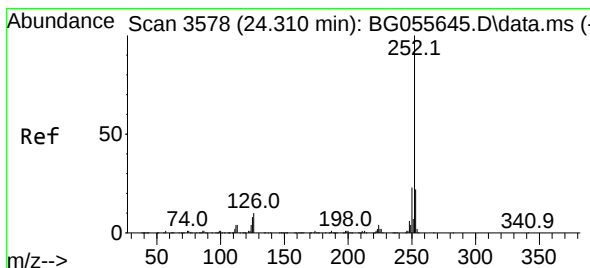
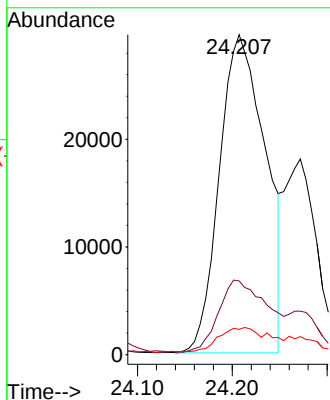
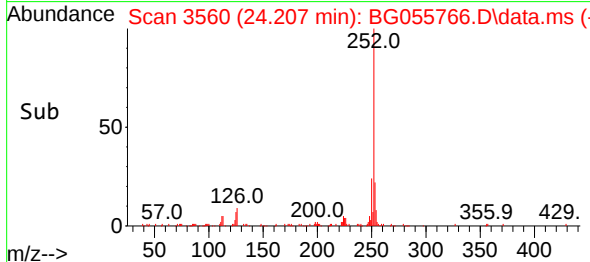
Instrument :
BNA_G
ClientSampleId :
PSC-124019



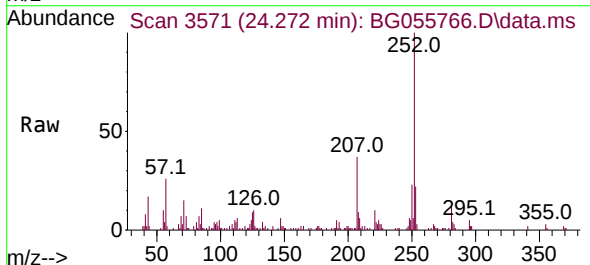
Tgt Ion:252 Resp: 99479
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 7.9 6.2 9.2

Manual Integrations
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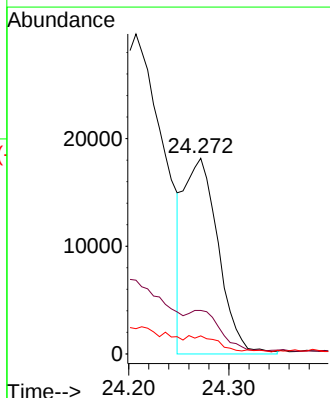
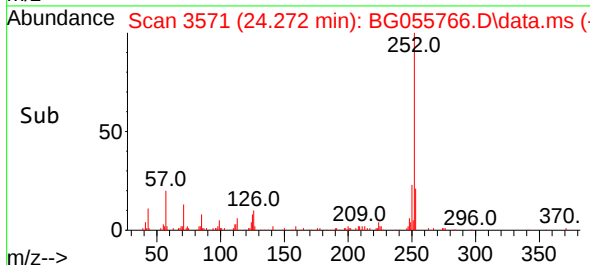
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

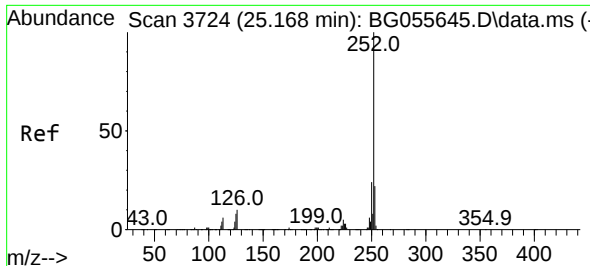


#89
Benzo(k)fluoranthene
Concen: 2.786 ng m
RT: 24.272 min Scan# 3571
Delta R.T. -0.021 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21



Tgt Ion:252 Resp: 43260
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 9.2 6.1 9.1#





#90
Benzo(a)pyrene
Concen: 5.084 ng
RT: 25.124 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Instrument :

BNA_G

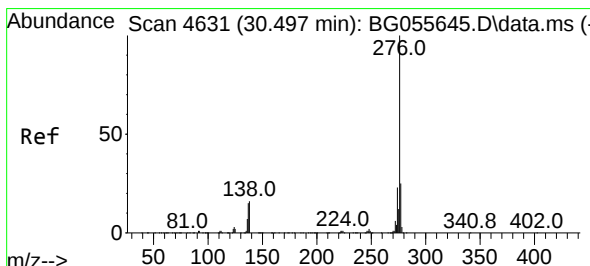
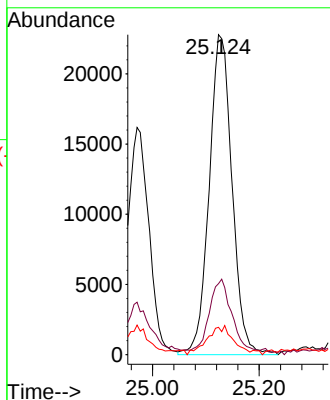
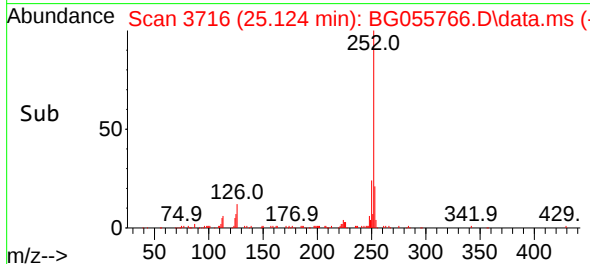
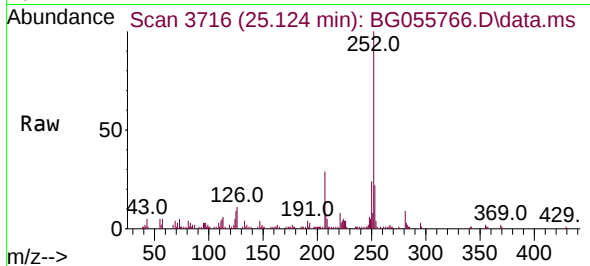
ClientSampleId :

PSC-124019

Tgt Ion:252 Resp: 6797
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 8.5 6.4 9.6

Manual Integrations
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Supervised By :Jagrut Upadhyay 11/25/2022



#92
Benzo(g,h,i)perylene
Concen: 2.035 ng
RT: 30.418 min Scan# 4617
Delta R.T. -0.045 min
Lab File: BG055766.D
Acq: 23 Nov 2022 22:21

Tgt Ion:276 Resp: 32841
Ion Ratio Lower Upper
276 100
277 23.9 19.8 29.6
138 19.0 13.1 19.7

