

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
 Data File : BG057549.D
 Acq On : 25 May 2023 1:06
 Operator : CG/JU
 Sample : 02904-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-3-052323

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2023
 Supervised By : Jagrut Upadhyay 05/25/2023

Quant Time: May 25 02:29:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 02:19:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	21974	20.000	ng	-0.01
21) Naphthalene-d8	11.192	136	86489	20.000	ng	-0.01
39) Acenaphthene-d10	14.969	164	59109	20.000	ng	-0.01
64) Phenanthrene-d10	17.713	188	135649	20.000	ng	-0.01
76) Chrysene-d12	22.019	240	120464	20.000	ng	-0.02
86) Perylene-d12	25.531	264	131210	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	122472	95.341	ng	0.00
7) Phenol-d6	7.503	99	185706	95.201	ng	0.00
23) Nitrobenzene-d5	9.535	82	116554	56.560	ng	-0.01
42) 2,4,6-Tribromophenol	16.456	330	82700	98.606	ng	-0.01
45) 2-Fluorobiphenyl	13.595	172	282069	64.269	ng	-0.01
79) Terphenyl-d14	20.280	244	460742	62.417	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.754	178	24232	3.486	ng	97
75) Fluoranthene	19.745	202	63582	7.355	ng	100
78) Pyrene	20.104	202	58356	6.666	ng	98
81) Benzo(a)anthracene	21.995	228	35540	4.141	ng	97
83) Chrysene	22.071	228	34529m	4.276	ng	
87) Indeno(1,2,3-cd)pyrene	29.597	276	22935	2.398	ng	# 66
88) Benzo(b)fluoranthene	24.404	252	54726	6.380	ng	# 79
89) Benzo(k)fluoranthene	24.468	252	17709m	2.032	ng	
90) Benzo(a)pyrene	25.355	252	36634	4.372	ng	# 87
92) Benzo(g,h,i)perylene	30.860	276	22316m	2.870	ng	

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

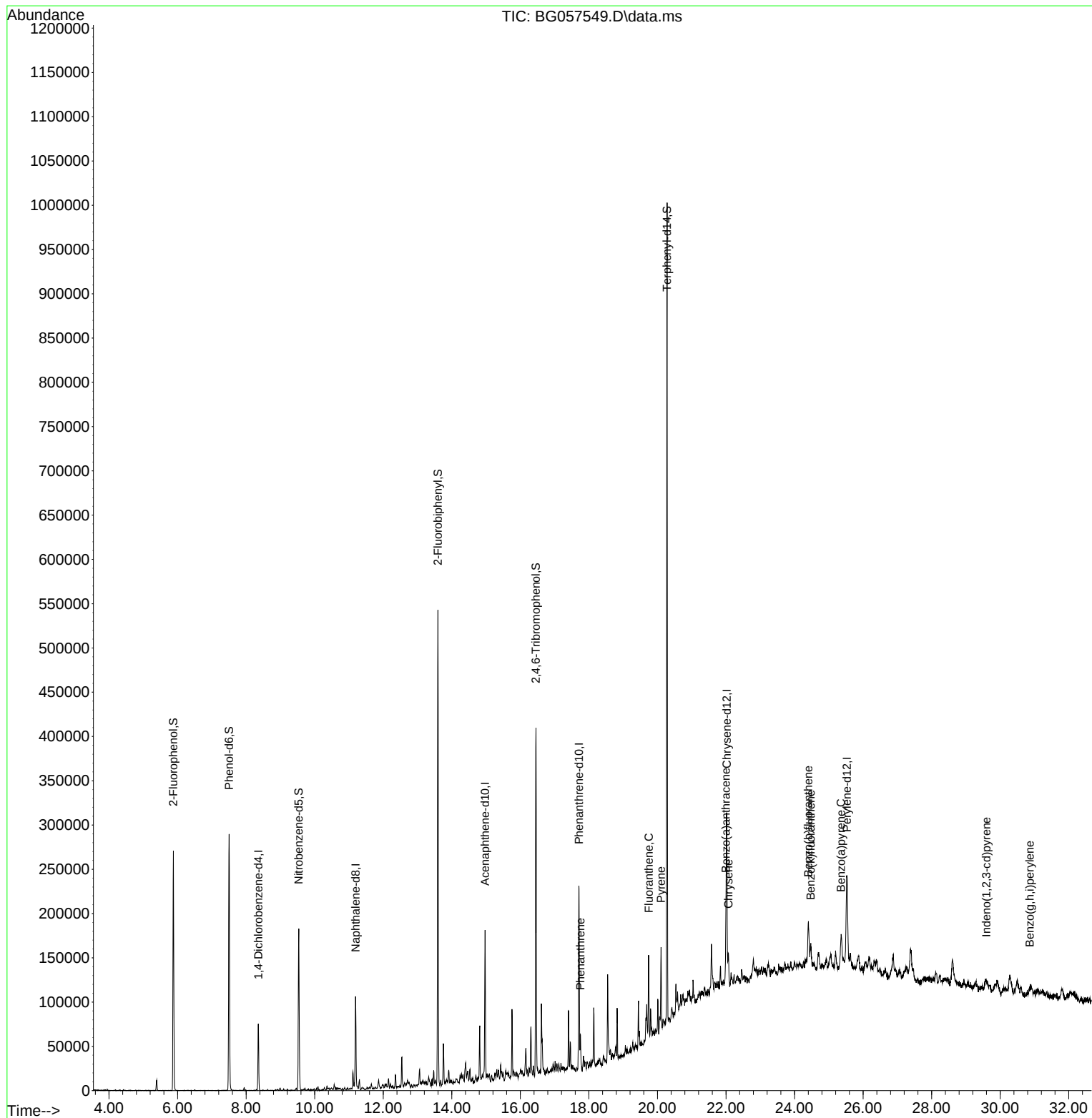
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052423\
Data File : BG057549.D
Acq On : 25 May 2023 1:06
Operator : CG/JU
Sample : 02904-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

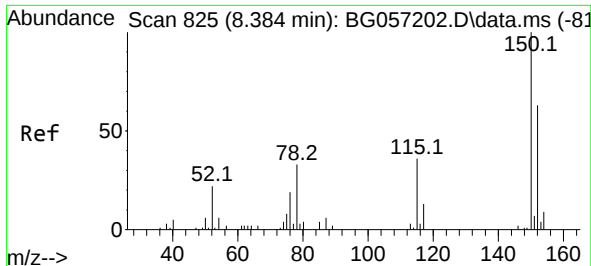
Instrument :
BNA_G
ClientSampleId :
EO-3-052323

Quant Time: May 25 02:29:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 25 02:19:01 2023
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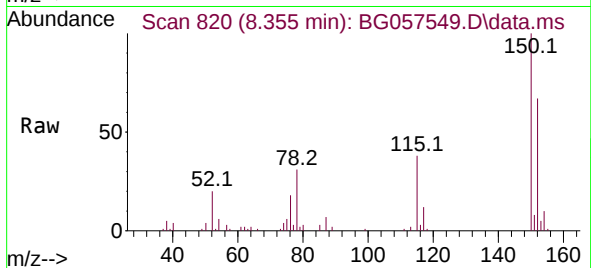
Reviewed By : Christian Giraldo 05/25/2023
Supervised By : Jagrut Upadhyay 05/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

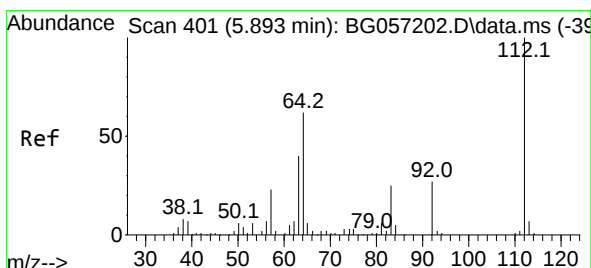
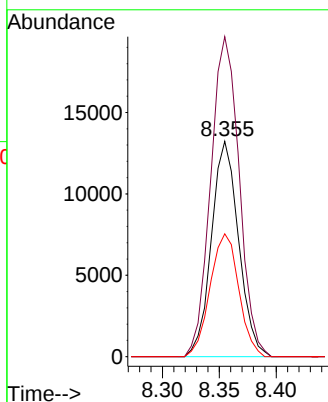
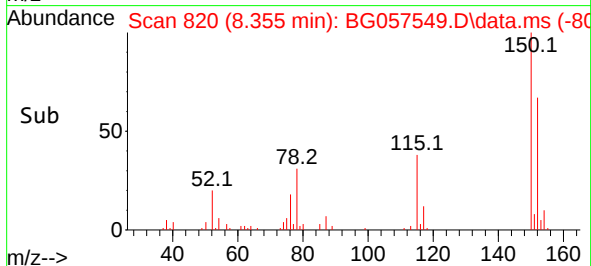
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BNA_G
ClientSampleId :
EO-3-052323



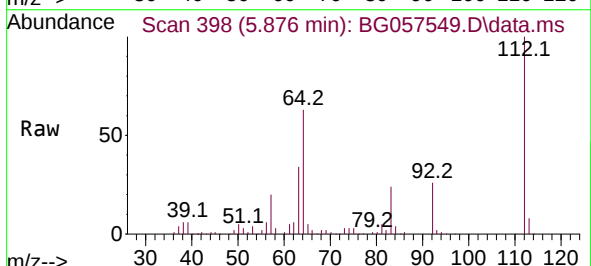
Tgt Ion:152 Resp: 21974
Ion Ratio Lower Upper
152 100
150 148.6 126.2 189.4
115 57.0 45.0 67.4

Manual Integrations
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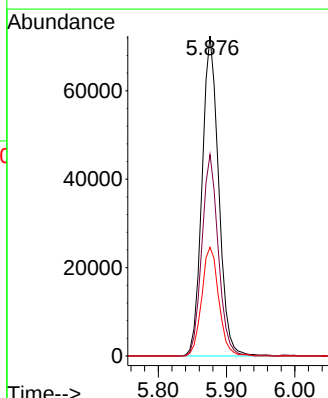
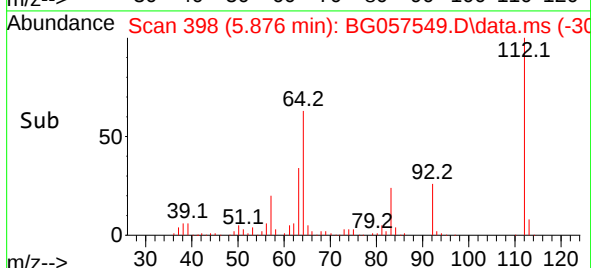
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

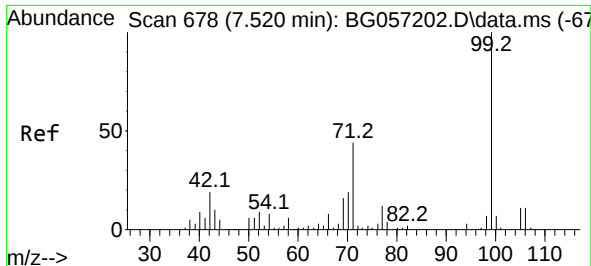


#5
2-Fluorophenol
Concen: 95.341 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.001 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06



Tgt Ion:112 Resp: 122472
Ion Ratio Lower Upper
112 100
64 63.0 49.4 74.2
63 33.9 31.6 47.4





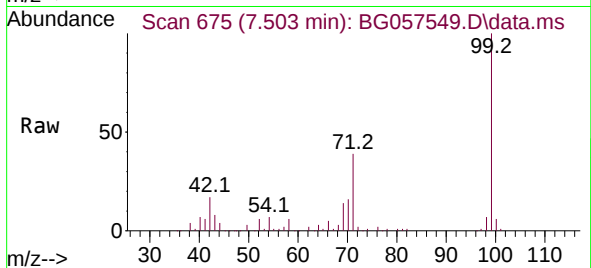
#7
Phenol-d6
Concen: 95.201 ng
RT: 7.503 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

EO-3-052323

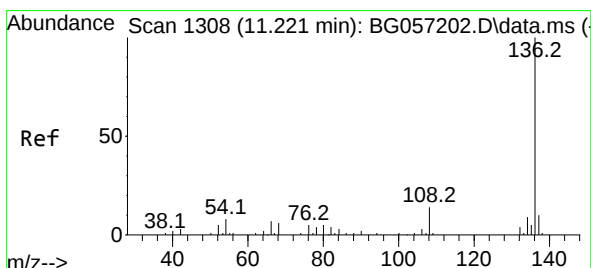
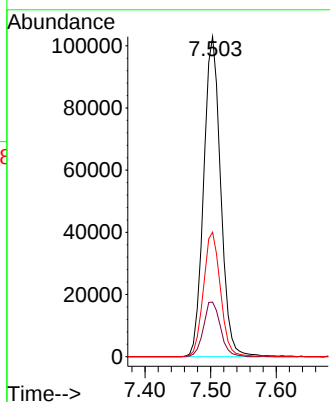
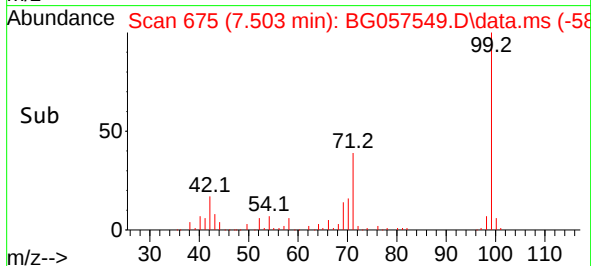


Tgt Ion: 99 Resp: 185700
Ion Ratio Lower Upper
99 100
42 17.0 15.1 22.7
71 38.9 35.2 52.8

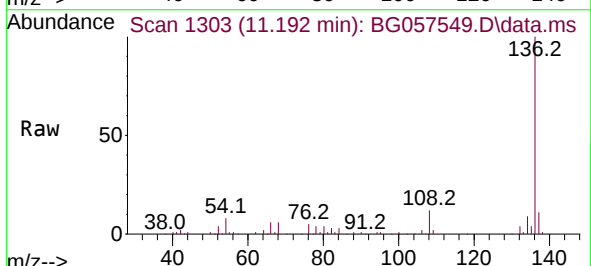
Manual Integrations

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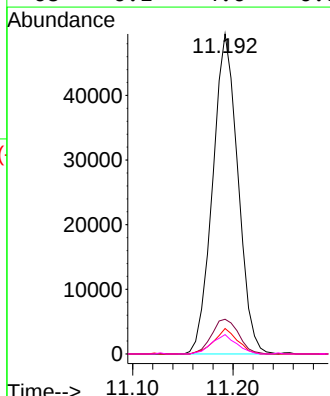
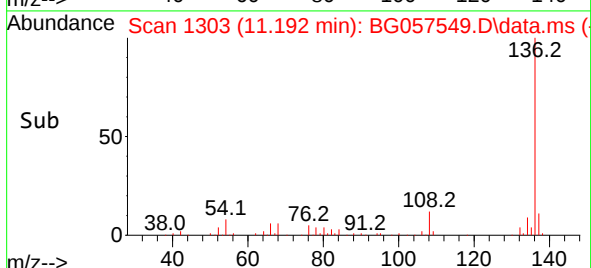
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

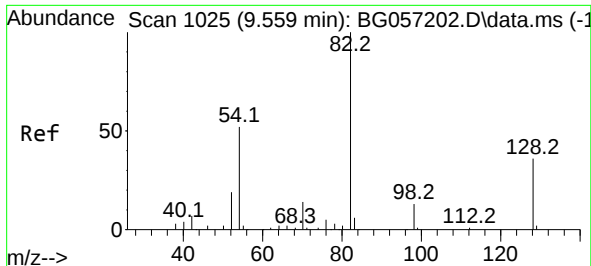


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06



Tgt Ion:136 Resp: 86489
Ion Ratio Lower Upper
136 100
137 10.8 8.3 12.5
54 7.9 6.7 10.1
68 6.1 4.6 6.8





#23
Nitrobenzene-d5
Concen: 56.560 ng
RT: 9.535 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

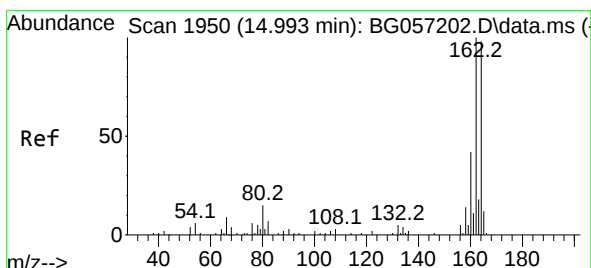
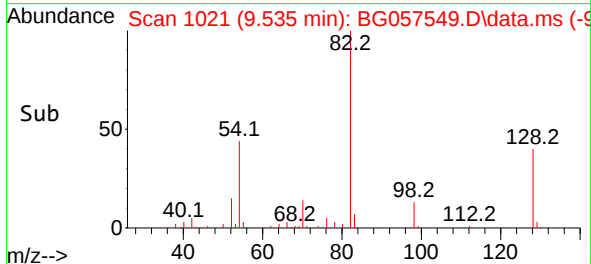
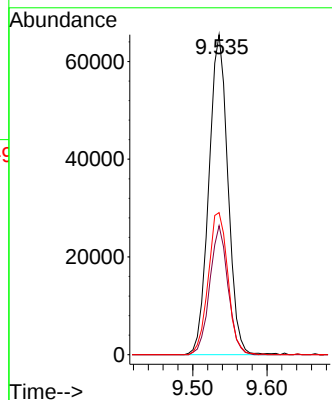
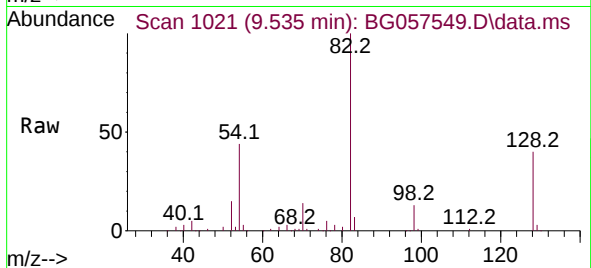
EO-3-052323

Tgt Ion: 82 Resp: 116554
Ion Ratio Lower Upper
82 100
128 40.3 29.0 43.4
54 44.4 41.4 62.0

Manual Integrations

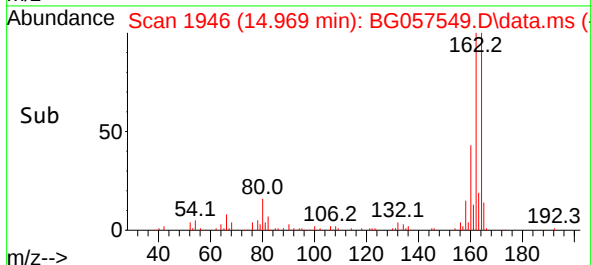
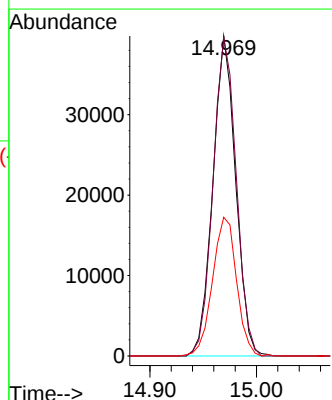
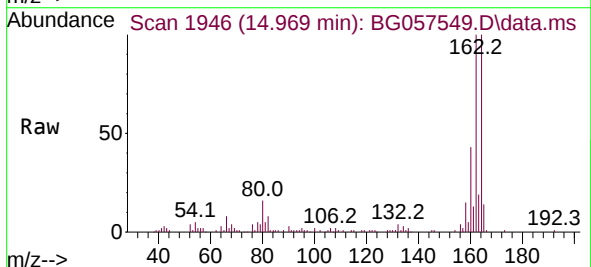
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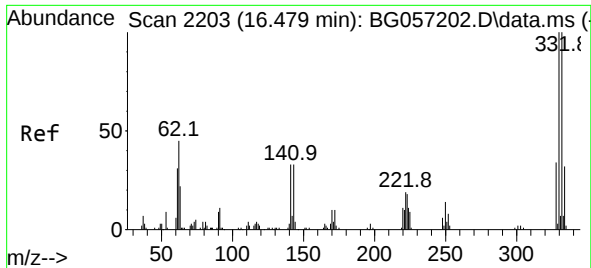
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.969 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:164 Resp: 59109
Ion Ratio Lower Upper
164 100
162 99.5 81.8 122.6
160 43.3 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 98.606 ng
RT: 16.456 min Scan# 2199
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

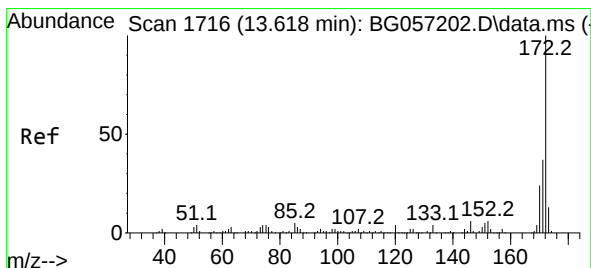
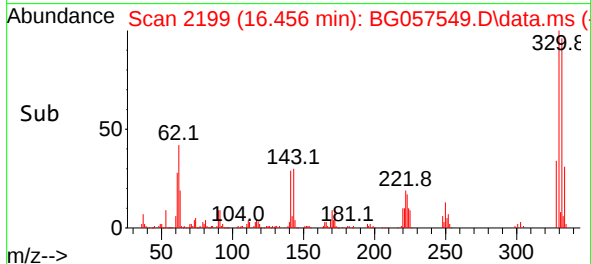
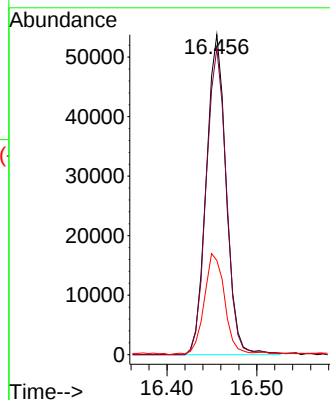
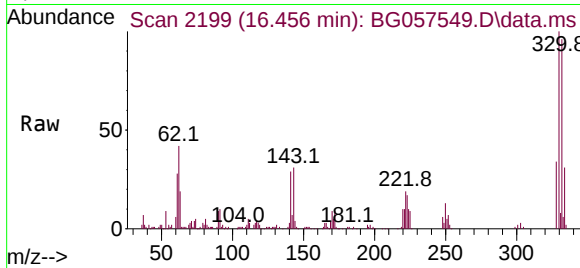
EO-3-052323

Tgt Ion:330 Resp: 82700
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.2
141 32.6 27.8 41.8

Manual Integrations

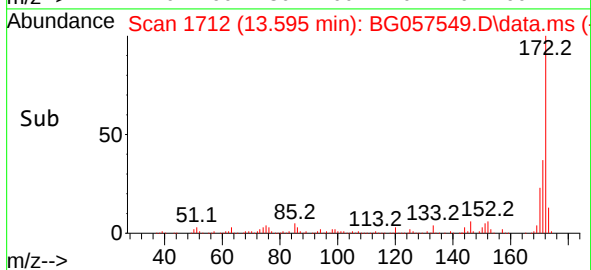
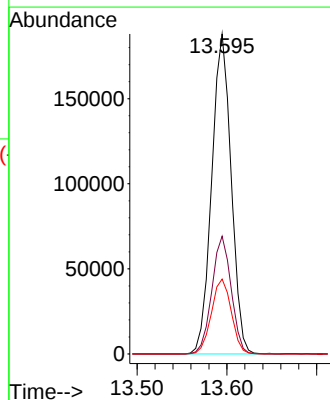
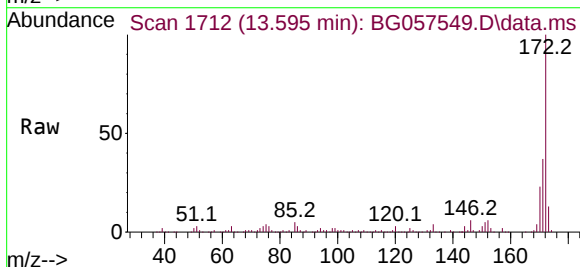
APPROVED

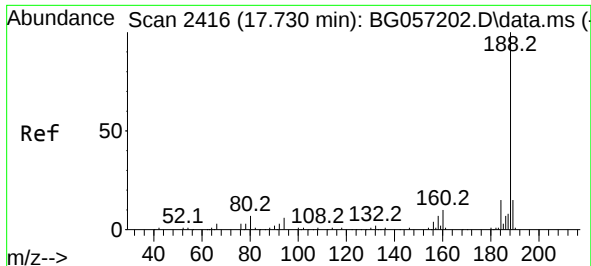
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#45
2-Fluorobiphenyl
Concen: 64.269 ng
RT: 13.595 min Scan# 1712
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:172 Resp: 282069
Ion Ratio Lower Upper
172 100
171 36.8 29.4 44.0
170 23.4 19.0 28.6





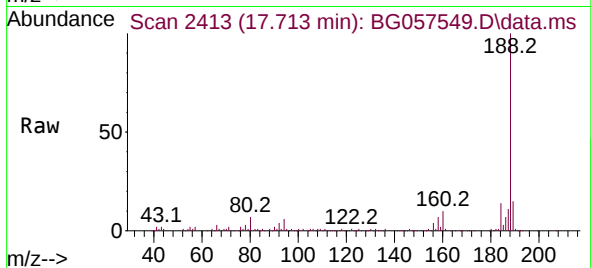
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2416
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

EO-3-052323

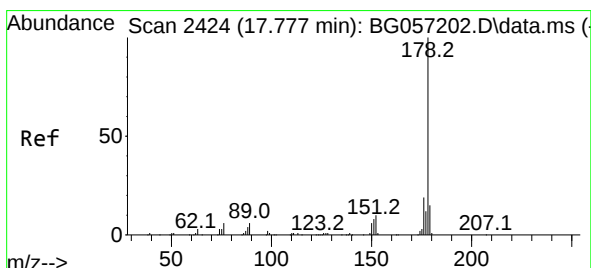
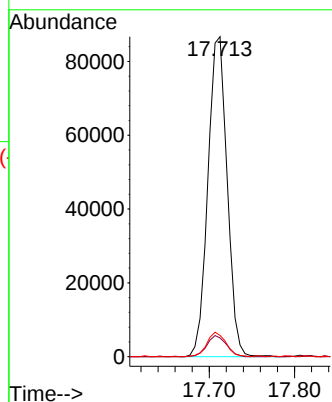
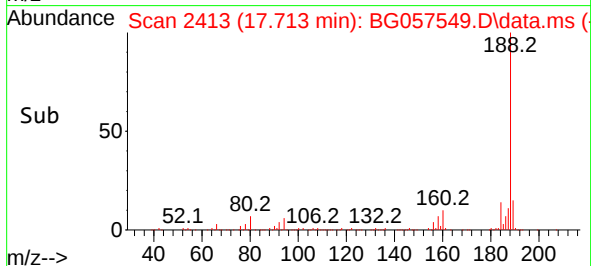


Tgt Ion:188 Resp: 135649
Ion Ratio Lower Upper
188 100
94 5.9 5.1 7.7
80 6.6 5.7 8.5

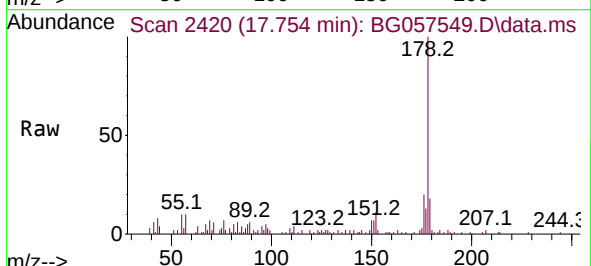
Manual Integrations

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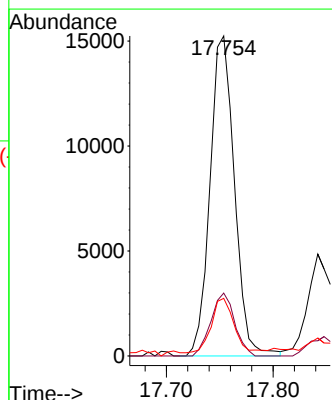
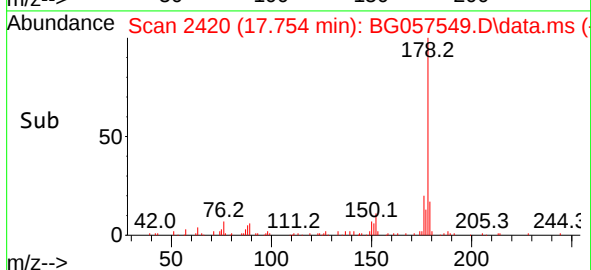
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

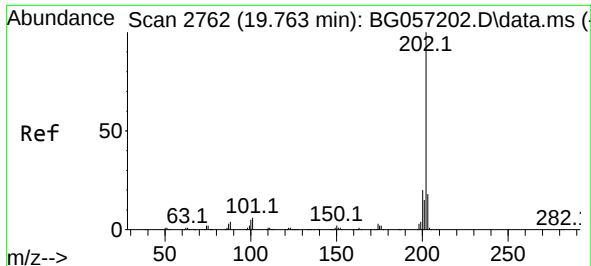


#71
Phenanthrene
Concen: 3.486 ng
RT: 17.754 min Scan# 2420
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06



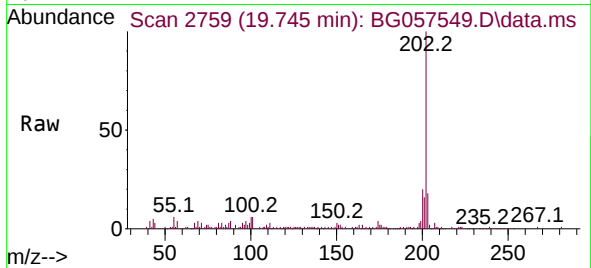
Tgt Ion:178 Resp: 24232
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 18.0 12.3 18.5





#75
Fluoranthene
Concen: 7.355 ng
RT: 19.745 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

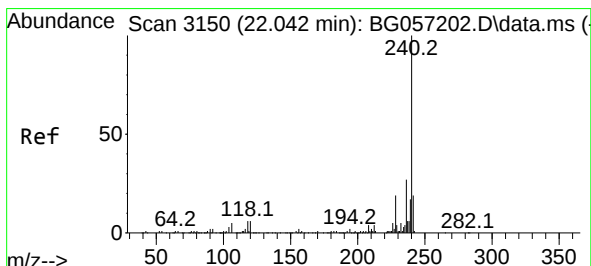
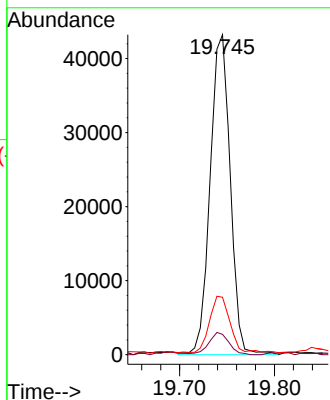
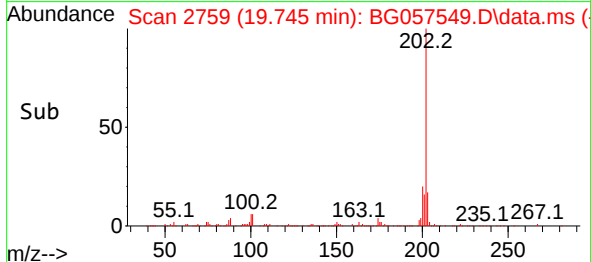
Instrument :
BNA_G
ClientSampleId :
EO-3-052323



Tgt Ion:202 Resp: 6358
Ion Ratio Lower Upper
202 100
101 6.4 0.0 26.2
203 18.0 0.0 37.9

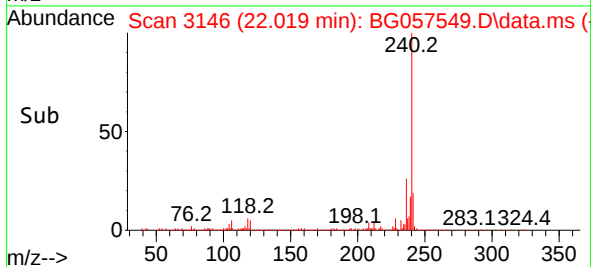
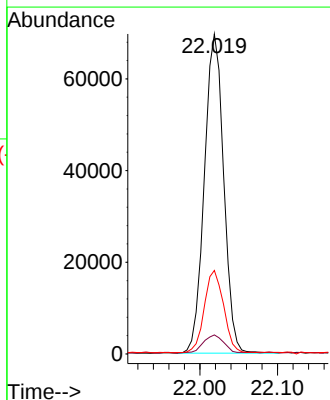
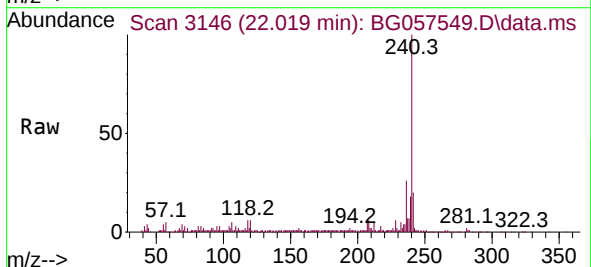
Manual Integrations
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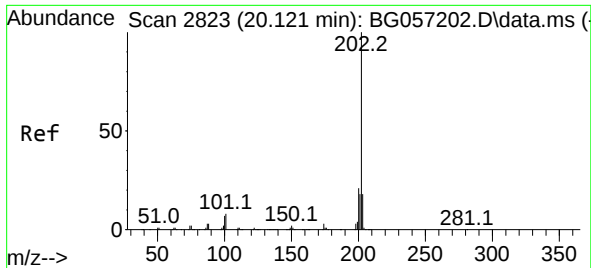
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3146
Delta R.T. -0.017 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:240 Resp: 120464
Ion Ratio Lower Upper
240 100
120 5.9 4.9 7.3
236 26.1 21.4 32.2





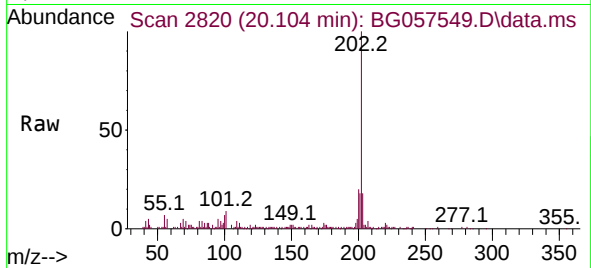
#78
 Pyrene
 Concen: 6.666 ng
 RT: 20.104 min Scan# 2820
 Delta R.T. -0.011 min
 Lab File: BG057549.D
 Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

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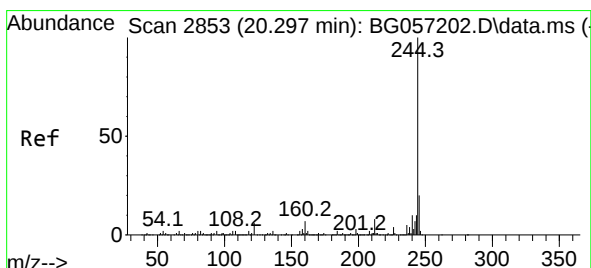
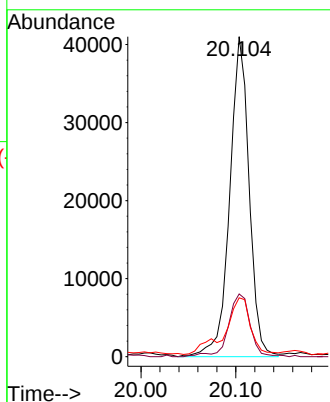
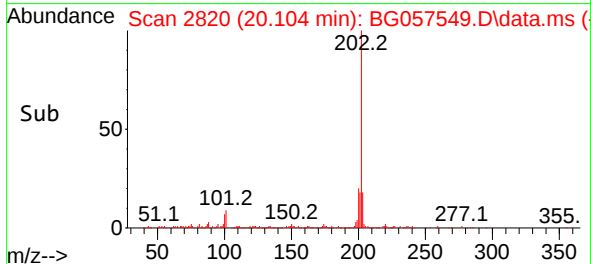


Tgt Ion:202 Resp: 58350
 Ion Ratio Lower Upper
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 200 19.6 17.0 25.4
 203 18.4 14.2 21.4

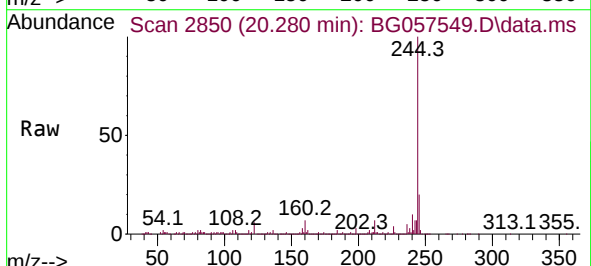
Manual Integrations

APPROVED

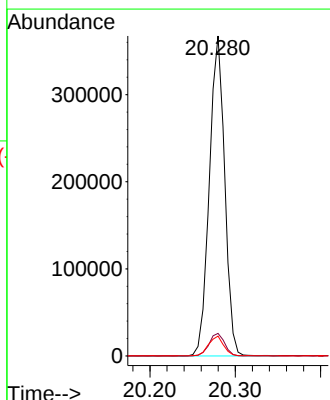
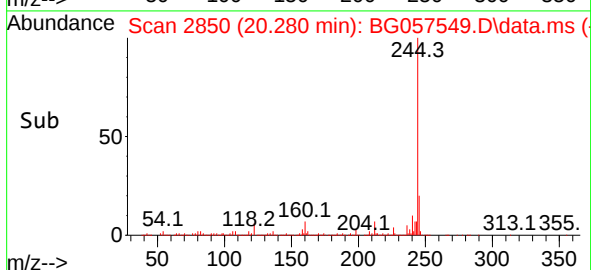
Reviewed By :Christian Giraldo 05/25/2023
 Supervised By :Jagrut Upadhyay 05/25/2023

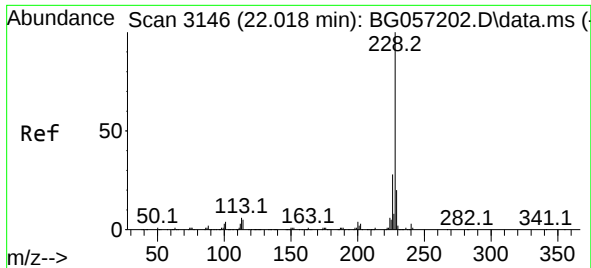


#79
 Terphenyl-d14
 Concen: 62.417 ng
 RT: 20.280 min Scan# 2850
 Delta R.T. -0.011 min
 Lab File: BG057549.D
 Acq: 25 May 2023 1:06



Tgt Ion:244 Resp: 460742
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.2 5.1 7.7





#81
Benzo(a)anthracene
Concen: 4.141 ng
RT: 21.995 min Scan# 3146
Delta R.T. -0.017 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :

BNA_G

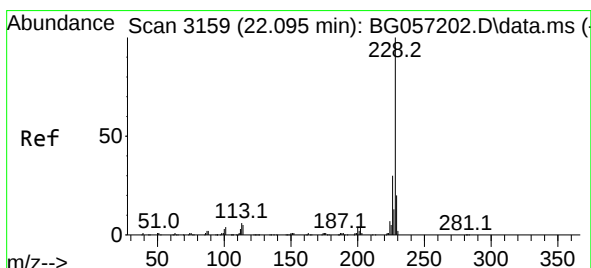
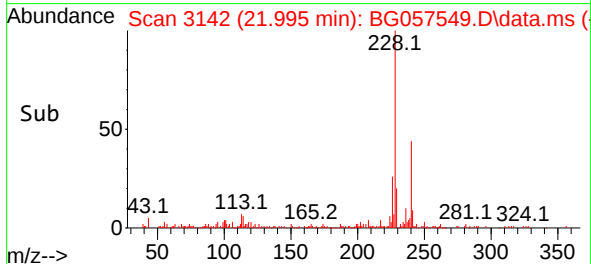
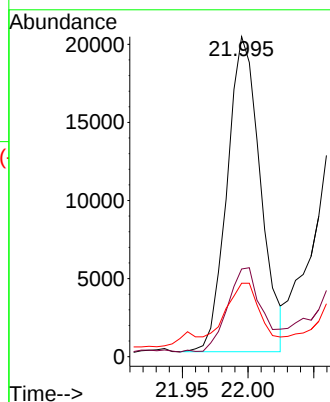
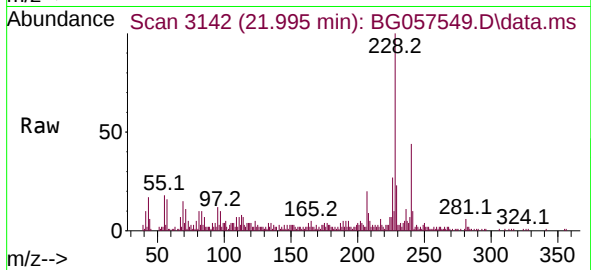
ClientSampleId :

EO-3-052323

Tgt Ion:228 Resp: 35540
Ion Ratio Lower Upper
228 100
226 27.4 22.0 33.0
229 23.0 15.8 23.8

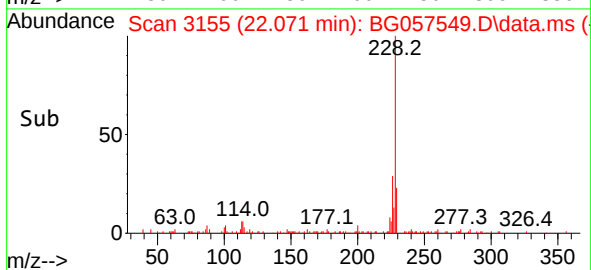
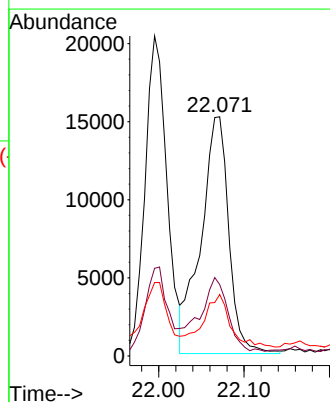
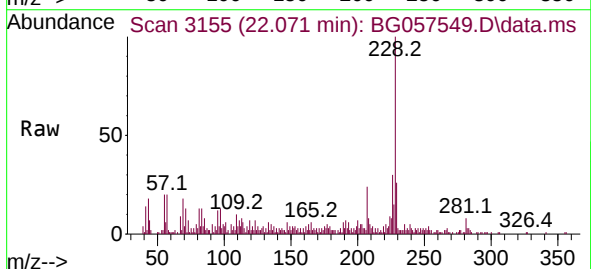
Manual Integrations
APPROVED

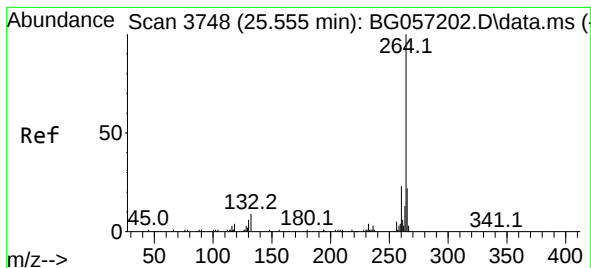
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#83
Chrysene
Concen: 4.276 ng m
RT: 22.071 min Scan# 3155
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:228 Resp: 34529
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 25.7 15.9 23.9#





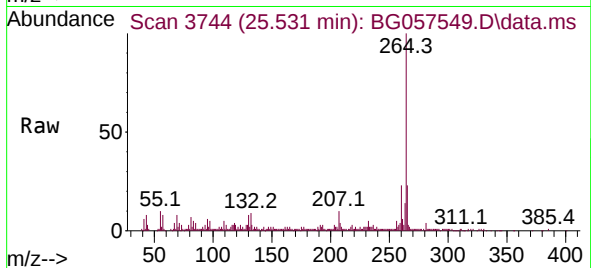
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.531 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :

BNA_G

ClientSampleId :

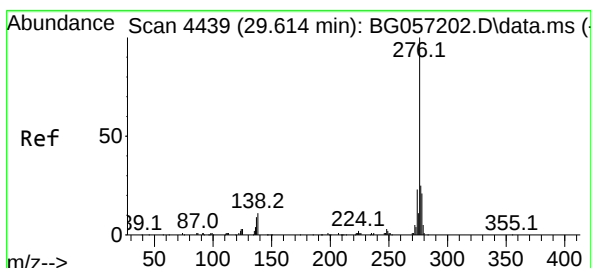
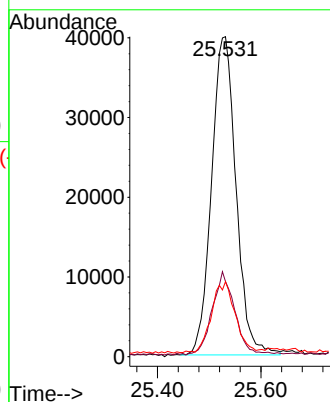
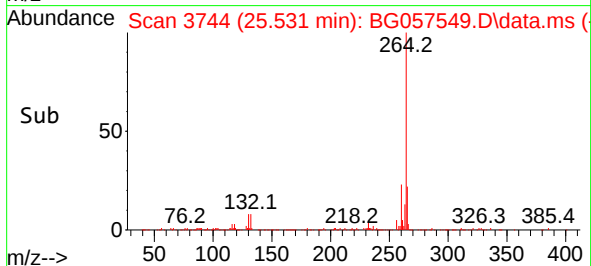
EO-3-052323



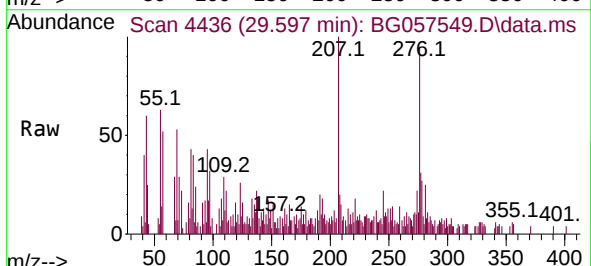
Tgt Ion:264 Resp: 131210
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 23.5 17.9 26.9

Manual Integrations
APPROVED

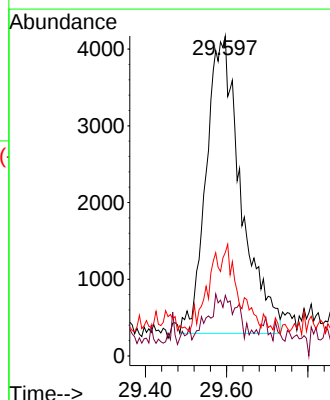
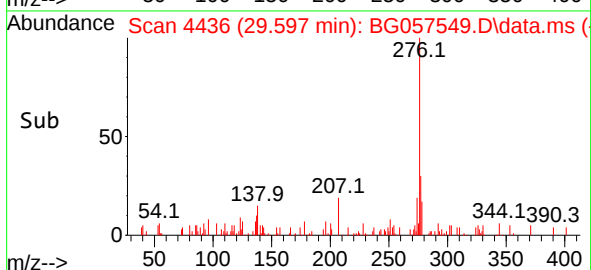
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023

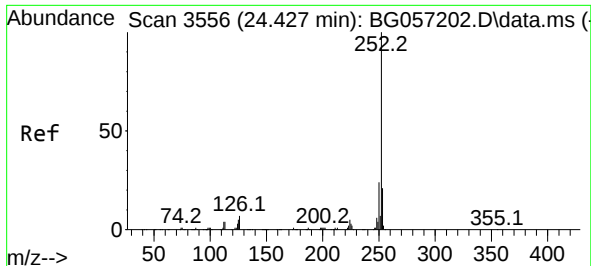


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.398 ng
RT: 29.597 min Scan# 4436
Delta R.T. -0.023 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06



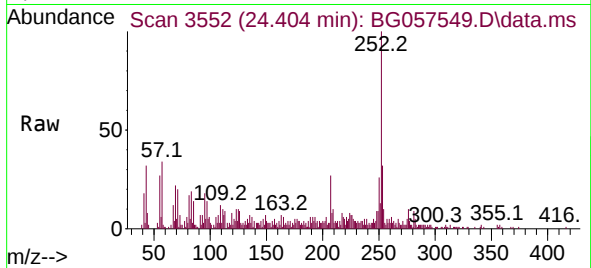
Tgt Ion:276 Resp: 22935
Ion Ratio Lower Upper
276 100
138 0.0 5.4 8.0#
277 6.3 20.6 30.8#





#88
Benzo(b)fluoranthene
Concen: 6.380 ng
RT: 24.404 min Scan# 3552
Delta R.T. -0.017 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

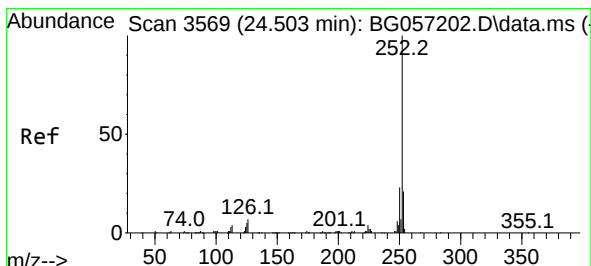
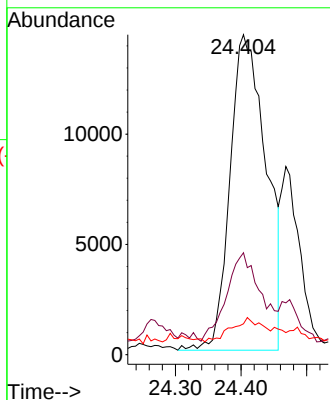
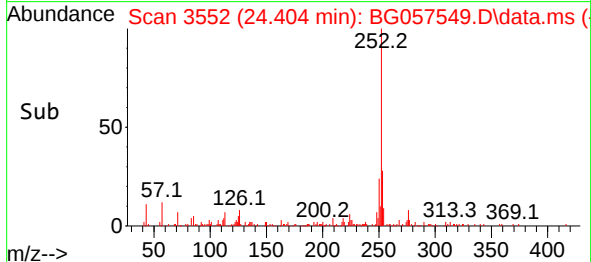
Instrument :
BNA_G
ClientSampleId :
EO-3-052323



Tgt Ion:252 Resp: 54720
Ion Ratio Lower Upper
252 100
253 31.9 17.0 25.6
125 9.7 4.2 6.2

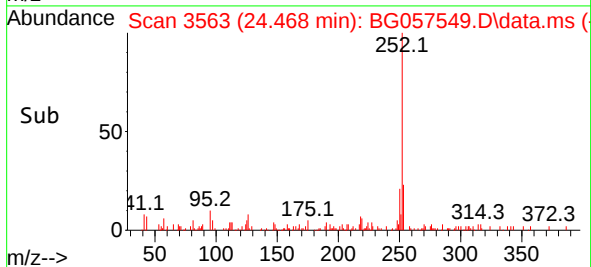
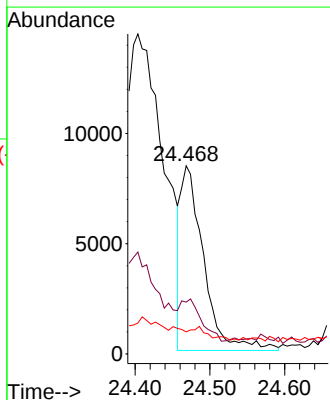
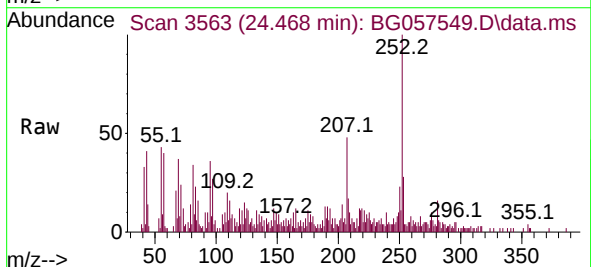
Manual Integrations
APPROVED

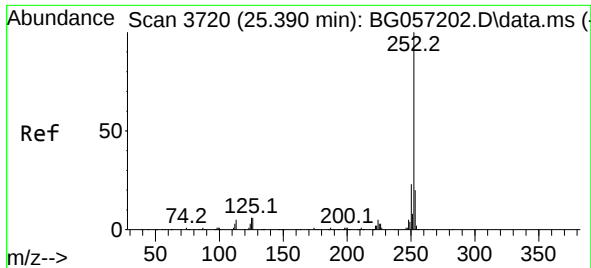
Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#89
Benzo(k)fluoranthene
Concen: 2.032 ng m
RT: 24.468 min Scan# 3563
Delta R.T. -0.029 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:252 Resp: 17709
Ion Ratio Lower Upper
252 100
253 27.6 17.4 26.0#
125 11.7 4.1 6.1#





#90
Benzo(a)pyrene
Concen: 4.372 ng
RT: 25.355 min Scan# 31
Delta R.T. -0.029 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Instrument :

BNA_G

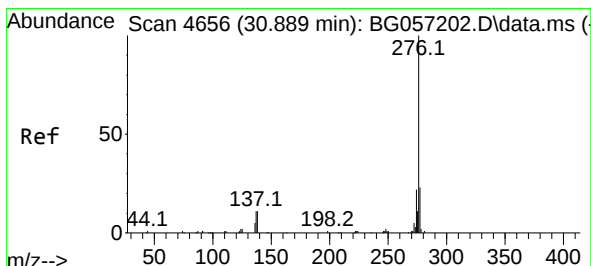
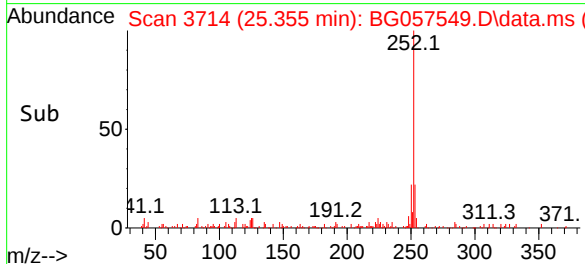
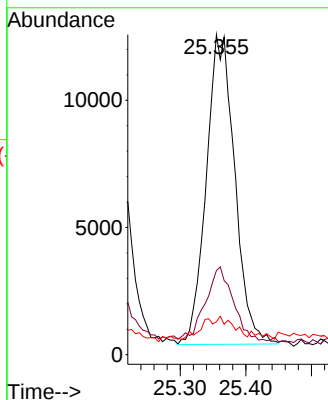
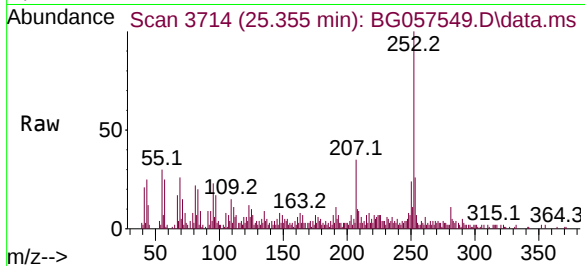
ClientSampleId :

EO-3-052323

Tgt Ion:252 Resp: 36634
Ion Ratio Lower Upper
252 100
253 26.3 16.3 24.5
125 10.3 5.0 7.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2023
Supervised By :Jagrut Upadhyay 05/25/2023



#92
Benzo(g,h,i)perylene
Concen: 2.870 ng m
RT: 30.860 min Scan# 4651
Delta R.T. -0.035 min
Lab File: BG057549.D
Acq: 25 May 2023 1:06

Tgt Ion:276 Resp: 22316
Ion Ratio Lower Upper
276 100
277 22.7 18.4 27.6
138 14.1 9.0 13.4

