

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
 Data File : BG054798.D
 Acq On : 30 Aug 2022 20:51
 Operator : CG/JU
 Sample : N4414-01 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-2-082622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/31/2022
 Supervised By : Jagrut Upadhyay 08/31/2022

Quant Time: Aug 31 02:10:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	61801	20.000	ng	0.00
21) Naphthalene-d8	10.974	136	256340	20.000	ng	0.00
39) Acenaphthene-d10	14.781	164	162413	20.000	ng	0.00
64) Phenanthrene-d10	17.525	188	331645	20.000	ng	0.00
76) Chrysene-d12	21.820	240	304296	20.000	ng	0.00
86) Perylene-d12	25.192	264	321197	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.692	112	33738	9.506	ng	0.00
7) Phenol-d6	7.296	99	45745	9.425	ng	0.00
23) Nitrobenzene-d5	9.323	82	27049	5.539	ng	0.00
42) 2,4,6-Tribromophenol	16.267	330	15722	7.747	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	68656	6.354	ng	0.00
79) Terphenyl-d14	20.122	244	103114	6.714	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.572	178	99111	5.610	ng	97
75) Fluoranthene	19.575	202	265281	12.343	ng	97
78) Pyrene	19.934	202	252534	11.902	ng	98
81) Benzo(a)anthracene	21.802	228	154130	7.470	ng	98
83) Chrysene	21.867	228	140774m	7.136	ng	
87) Indeno(1,2,3-cd)pyrene	29.070	276	89593	3.674	ng	# 92
88) Benzo(b)fluoranthene	24.117	252	190597	9.459	ng	96
89) Benzo(k)fluoranthene	24.170	252	70136m	3.459	ng	
90) Benzo(a)pyrene	25.028	252	146197	8.493	ng	98
92) Benzo(g,h,i)perylene	30.275	276	90960	4.532	ng	97

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

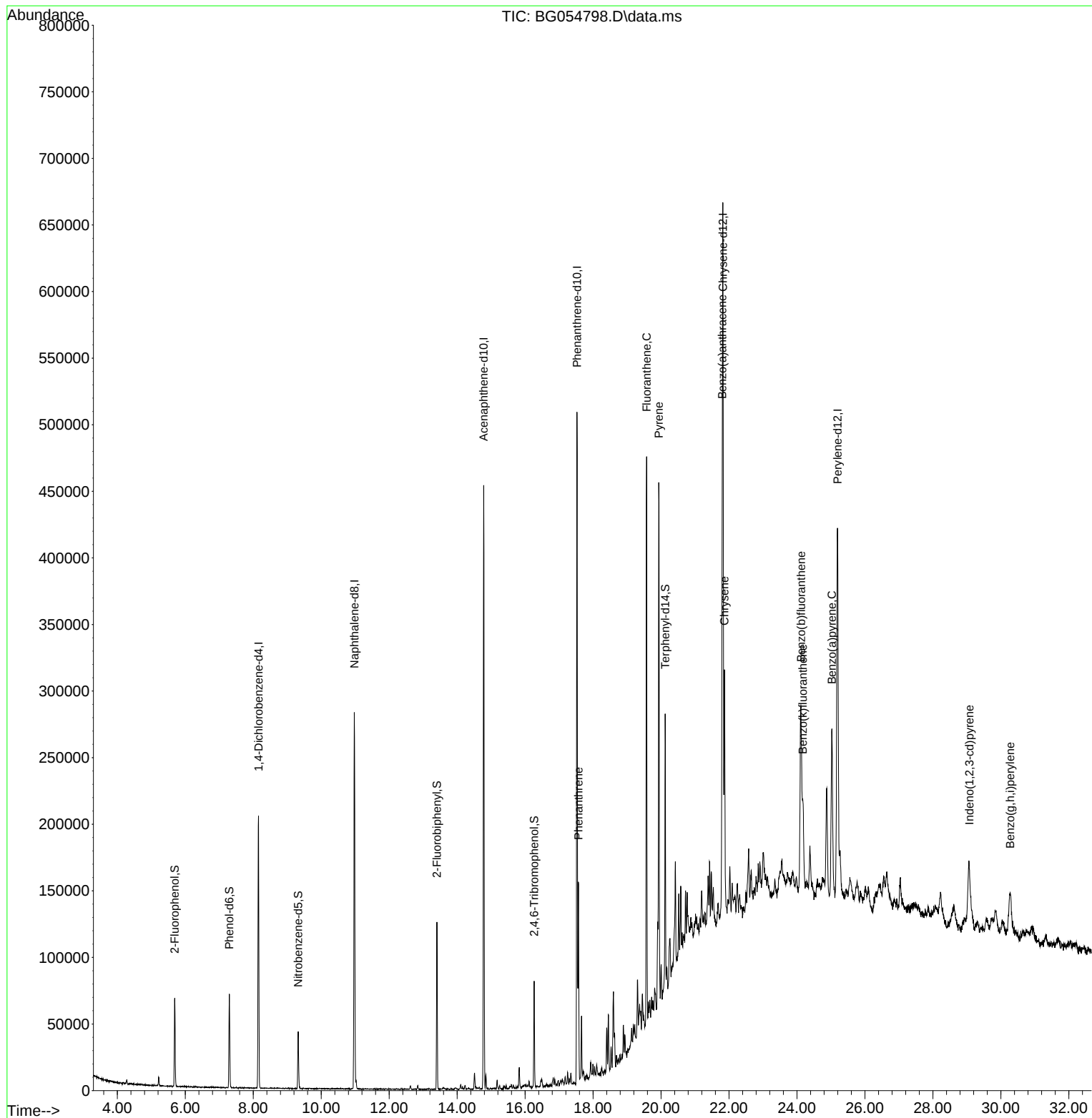
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083022\
Data File : BG054798.D
Acq On : 30 Aug 2022 20:51
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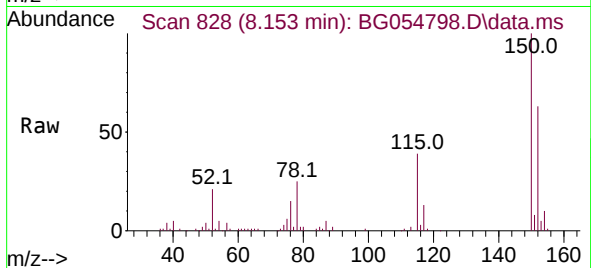
Reviewed By : Christian Giraldo 08/31/2022
Supervised By : Jagrut Upadhyay 08/31/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

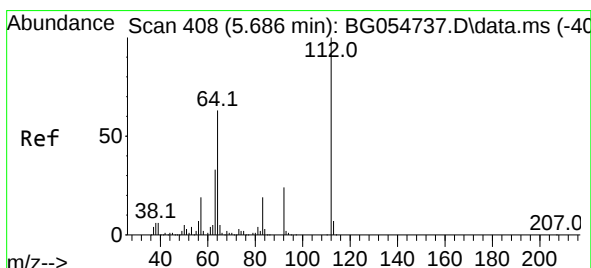
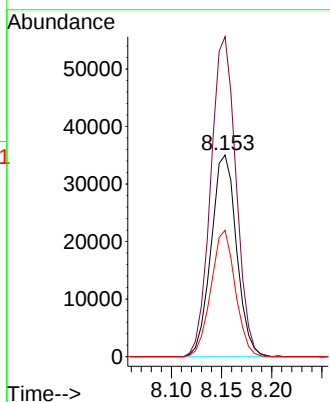
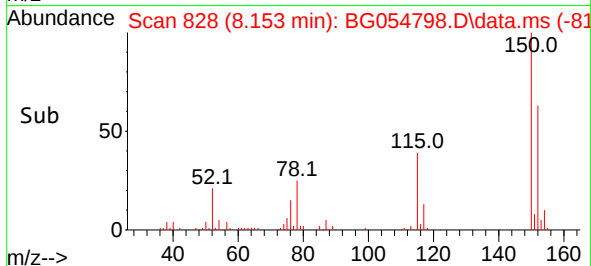
Instrument :
BNA_G
ClientSampleId :
OK-2-082622



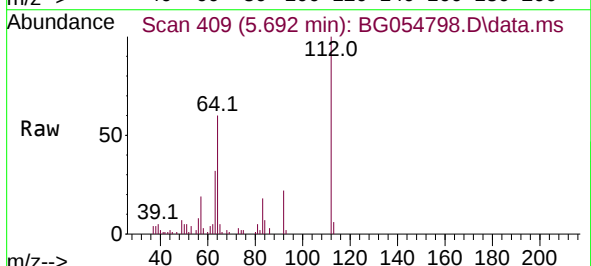
Tgt Ion:152 Resp: 6180
Ion Ratio Lower Upper
152 100
150 158.8 125.2 187.8
115 62.7 47.9 71.9

Manual Integrations
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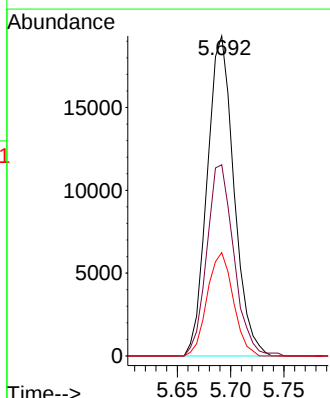
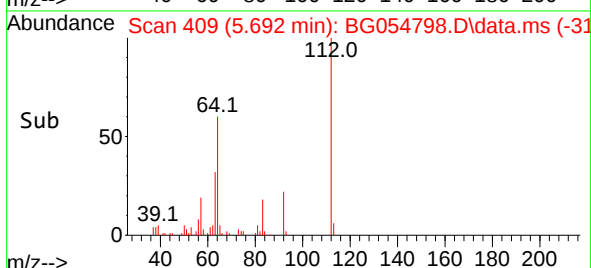
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

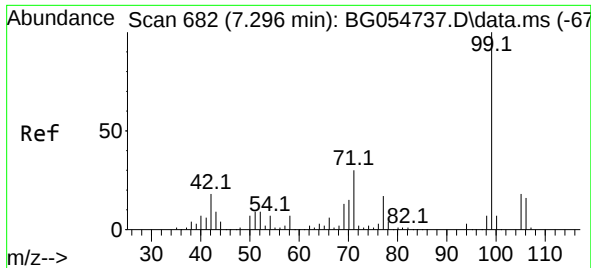


#5
2-Fluorophenol
Concen: 9.506 ng
RT: 5.692 min Scan# 409
Delta R.T. 0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51



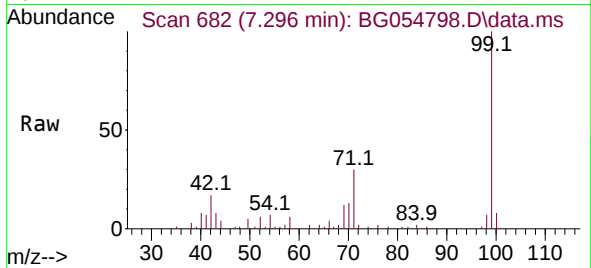
Tgt Ion:112 Resp: 33738
Ion Ratio Lower Upper
112 100
64 59.7 49.3 73.9
63 32.3 26.3 39.5





#7
Phenol-d6
Concen: 9.425 ng
RT: 7.296 min Scan# 682
Delta R.T. -0.000 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

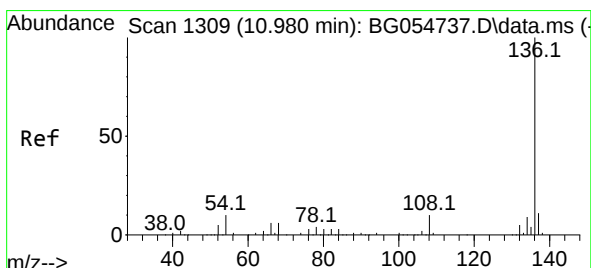
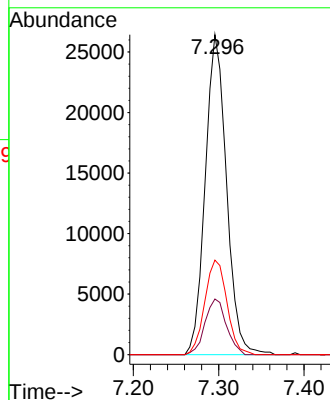
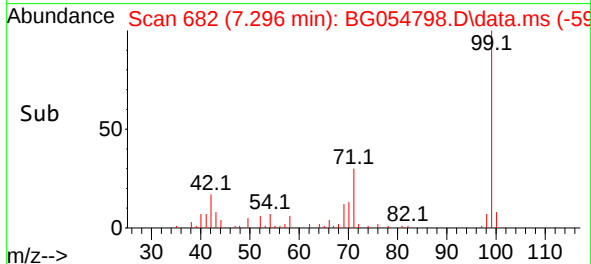
Instrument :
BNA_G
ClientSampleId :
OK-2-082622



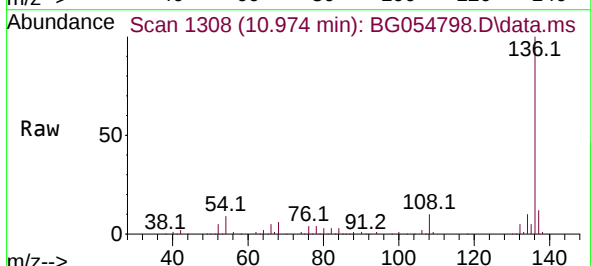
Tgt Ion: 99 Resp: 45745
Ion Ratio Lower Upper
99 100
42 17.4 14.6 22.0
71 29.5 24.6 37.0

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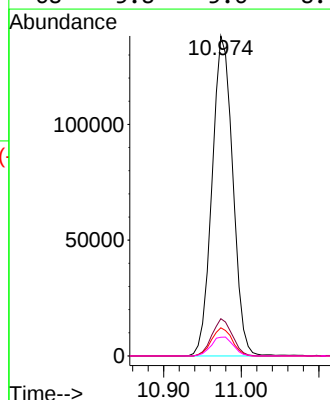
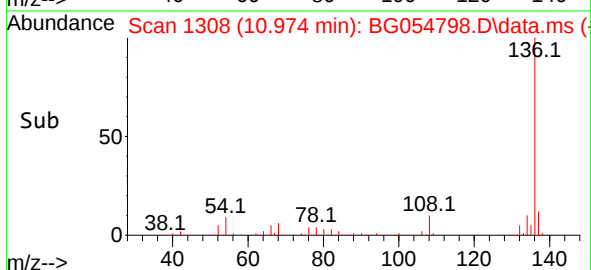
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

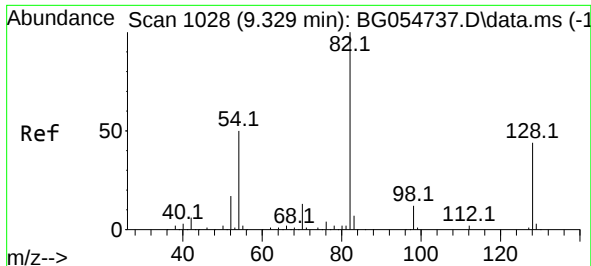


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.974 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51



Tgt Ion:136 Resp: 256340
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 8.8 7.7 11.5
68 5.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 5.539 ng

RT: 9.323 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BG054798.D

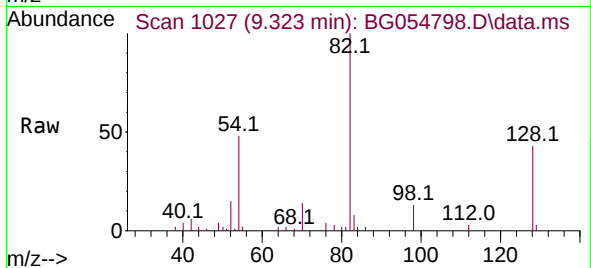
Acq: 30 Aug 2022 20:51

Instrument :

BNA_G

ClientSampleId :

OK-2-082622



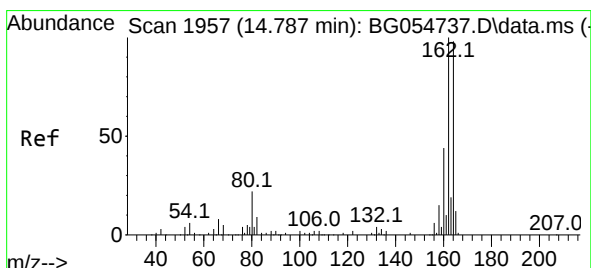
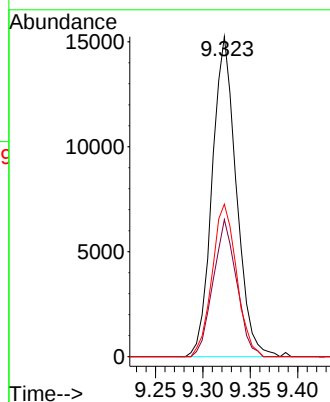
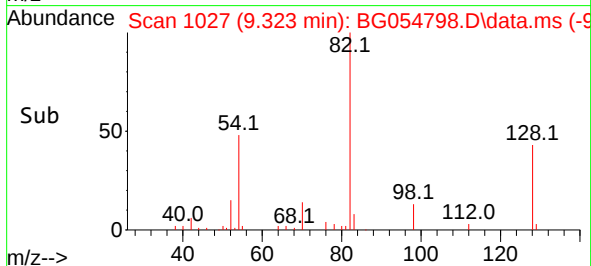
Tgt Ion:	82	Resp:	27049
Ion Ratio	Lower	Upper	
82	100		
128	42.8	32.2	48.2
54	47.6	41.4	62.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

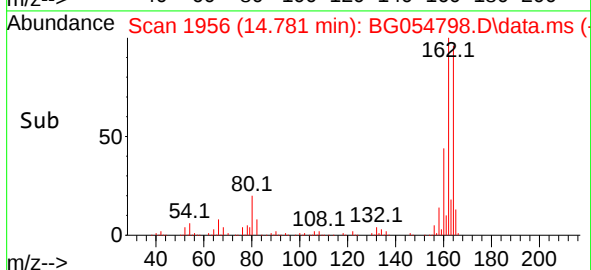
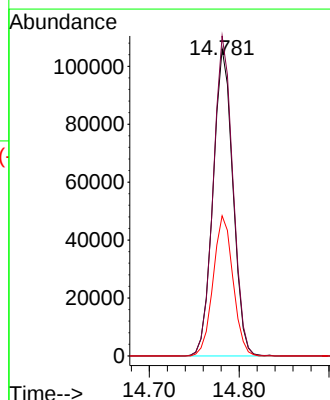
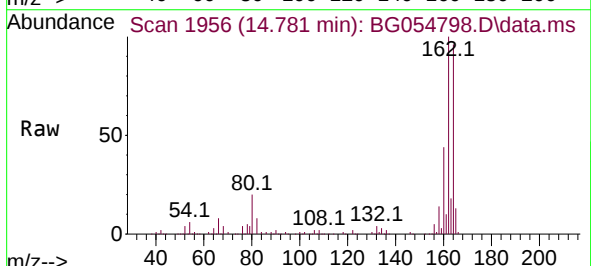
RT: 14.781 min Scan# 1956

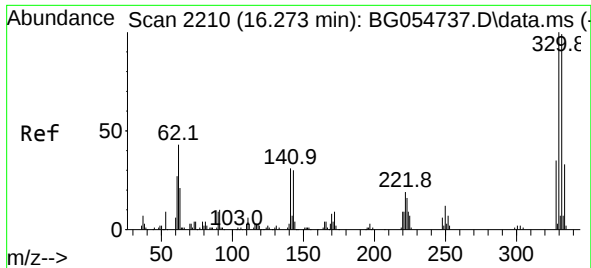
Delta R.T. -0.006 min

Lab File: BG054798.D

Acq: 30 Aug 2022 20:51

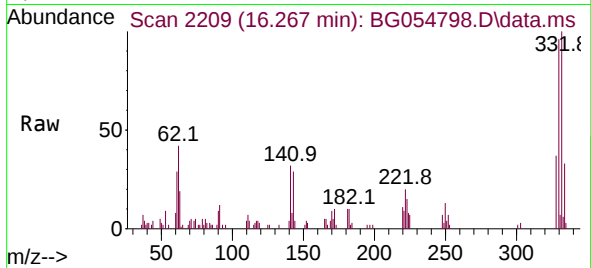
Tgt Ion:	164	Resp:	162413
Ion Ratio	Lower	Upper	
164	100		
162	104.2	83.0	124.4
160	45.6	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 7.747 ng
RT: 16.267 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

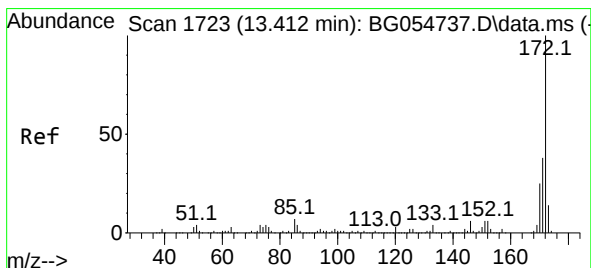
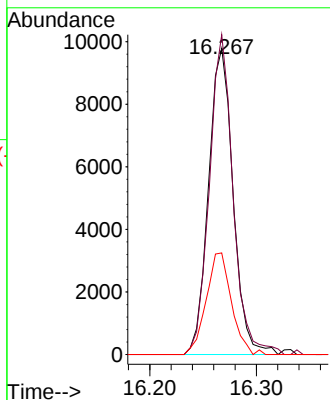
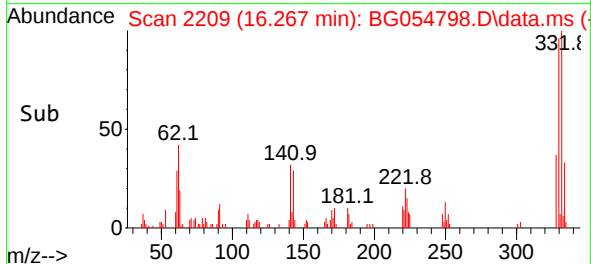
Instrument :
BNA_G
ClientSampleId :
OK-2-082622



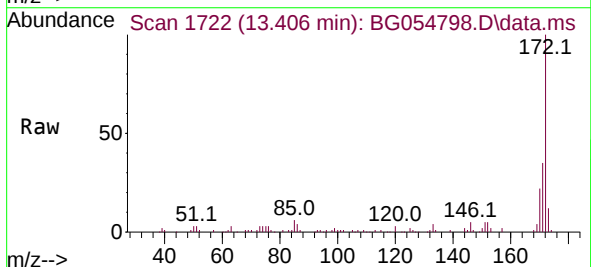
Tgt Ion: 330 Resp: 1572
Ion Ratio Lower Upper
330 100
332 100.6 79.8 119.6
141 34.1 26.8 40.2

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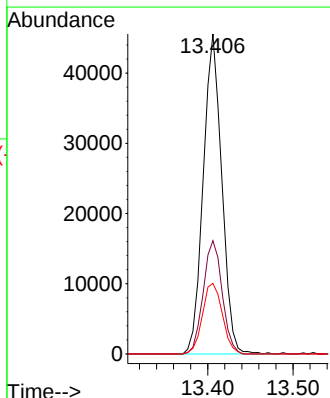
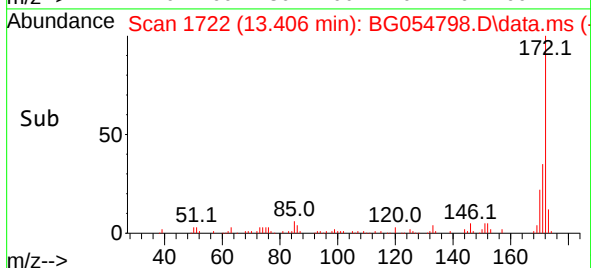
Reviewed By : Christian Giraldo 08/31/2022
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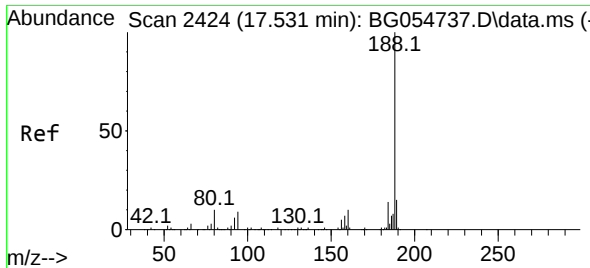


#45
2-Fluorobiphenyl
Concen: 6.354 ng
RT: 13.406 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51



Tgt Ion: 172 Resp: 68656
Ion Ratio Lower Upper
172 100
171 35.4 31.2 46.8
170 22.0 20.6 30.8





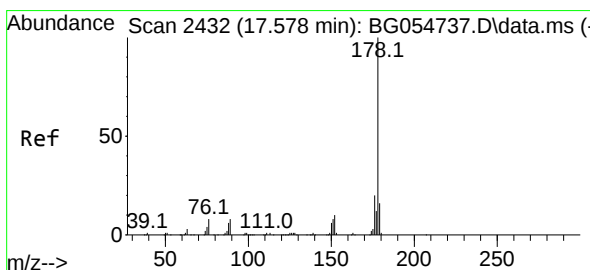
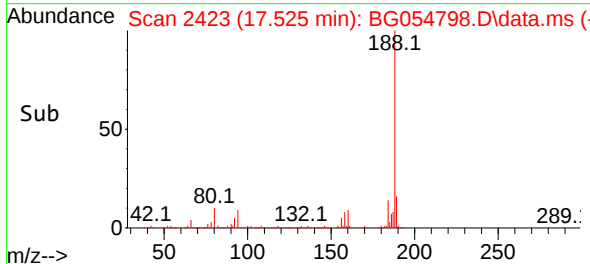
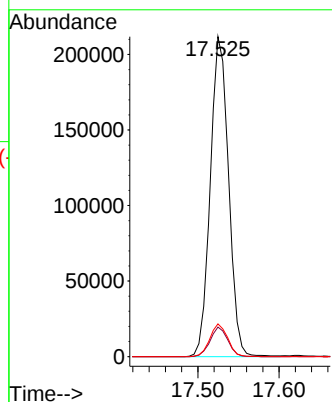
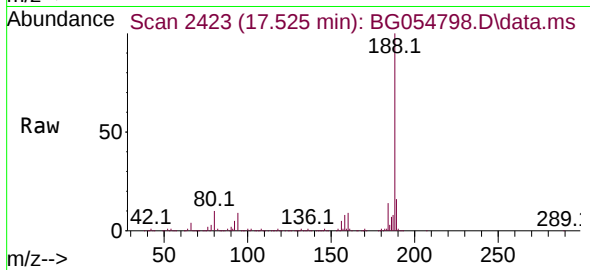
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.525 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

Instrument :
BNA_G
ClientSampleId :
OK-2-082622

Tgt Ion:188 Resp: 331645
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 10.2 7.9 11.9

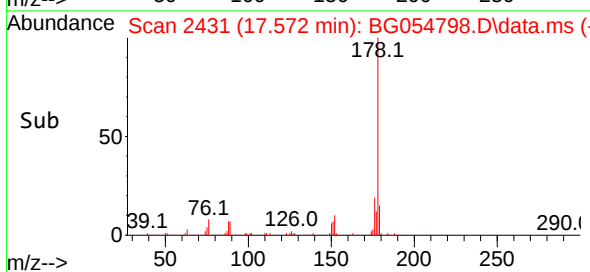
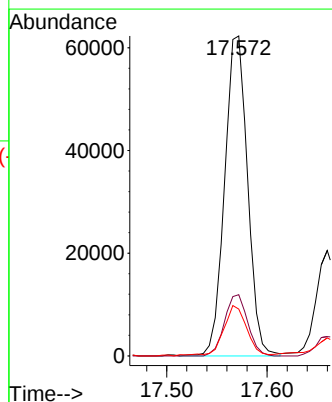
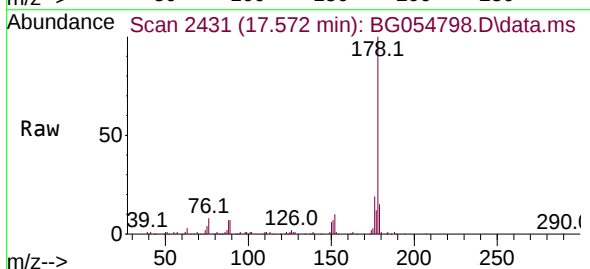
Manual Integrations
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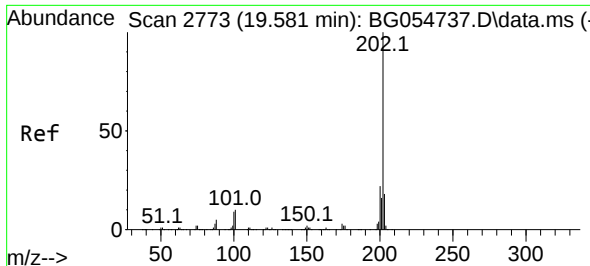
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#71
Phenanthrene
Concen: 5.610 ng
RT: 17.572 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

Tgt Ion:178 Resp: 99111
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 14.6 12.8 19.2





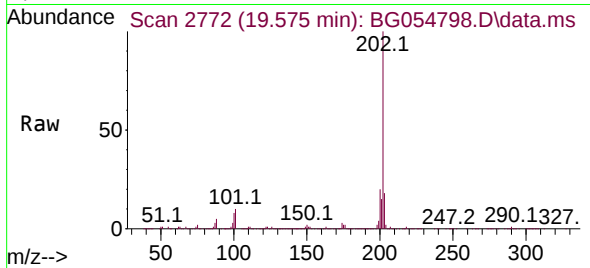
#75
Fluoranthene
Concen: 12.343 ng
RT: 19.575 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

Instrument :

BNA_G

ClientSampleId :

OK-2-082622

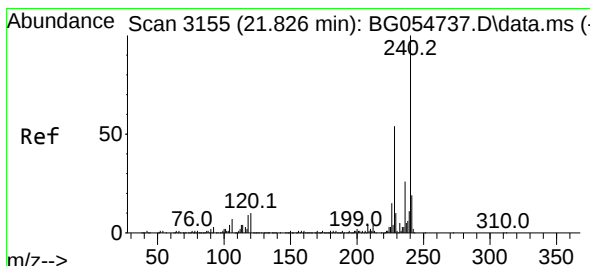
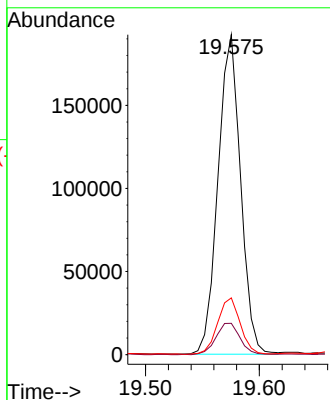
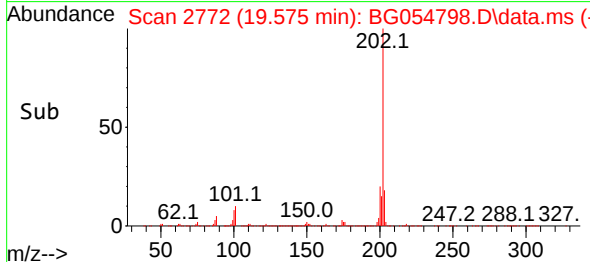


Tgt Ion:202 Resp: 265281
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.4
203 17.7 0.0 38.6

Manual Integrations

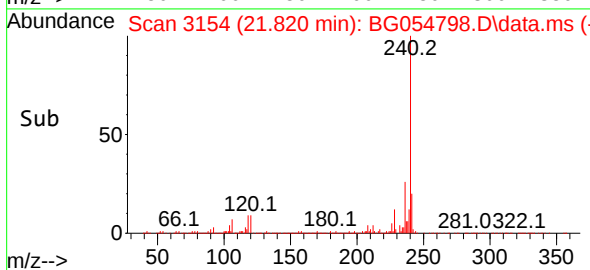
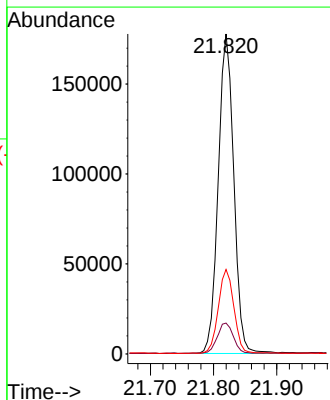
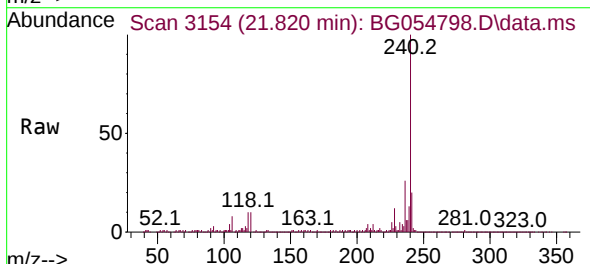
APPROVED

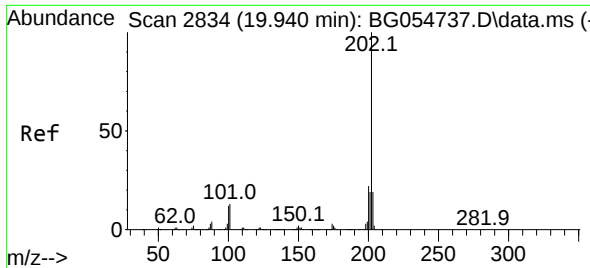
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.820 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

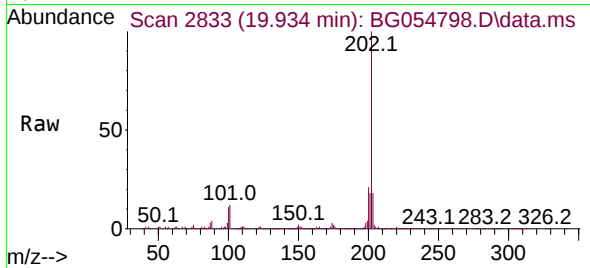
Tgt Ion:240 Resp: 304296
Ion Ratio Lower Upper
240 100
120 9.6 8.2 12.4
236 26.4 21.2 31.8





#78
Pyrene
Concen: 11.902 ng
RT: 19.934 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

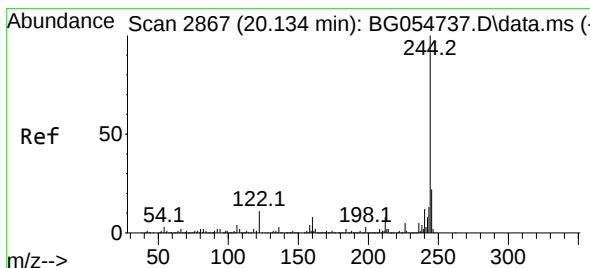
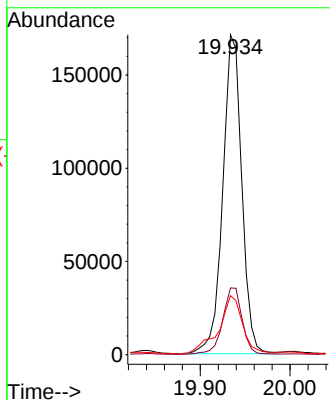
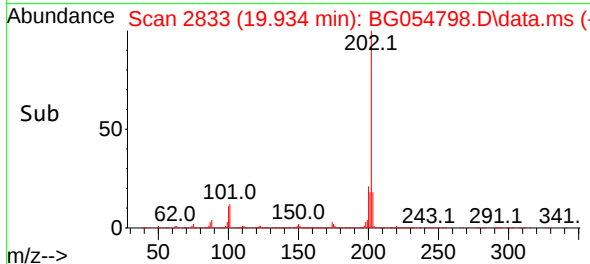
Instrument :
BNA_G
ClientSampleId :
OK-2-082622



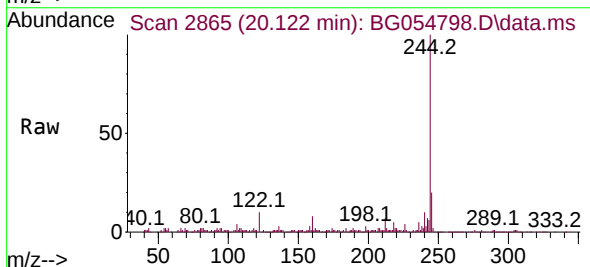
Tgt Ion:202 Resp: 252534
Ion Ratio Lower Upper
202 100
200 20.8 17.8 26.6
203 18.5 14.6 21.8

Manual Integrations
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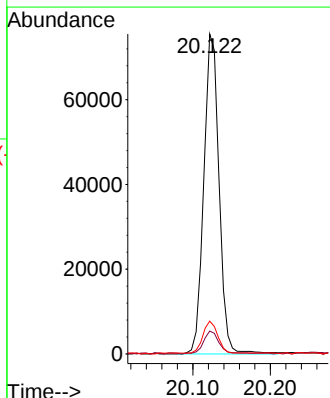
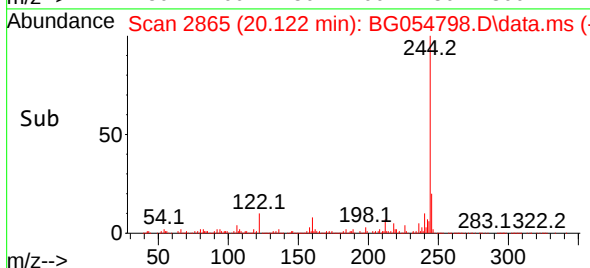
Reviewed By :Christian Giraldo 08/31/2022
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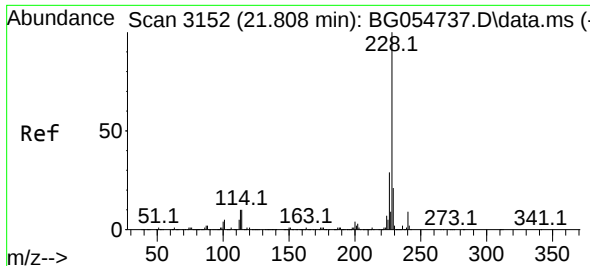


#79
Terphenyl-d14
Concen: 6.714 ng
RT: 20.122 min Scan# 2865
Delta R.T. -0.012 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51



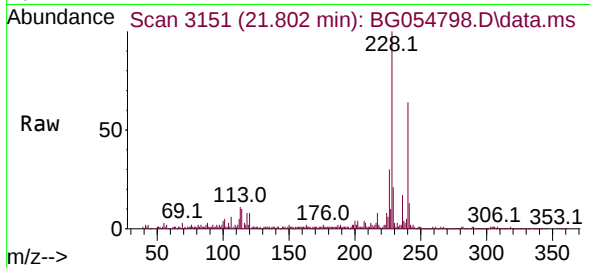
Tgt Ion:244 Resp: 103114
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.2
122 10.2 9.0 13.6





#81
Benzo(a)anthracene
Concen: 7.470 ng
RT: 21.802 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

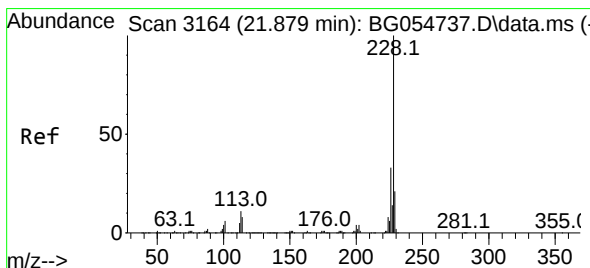
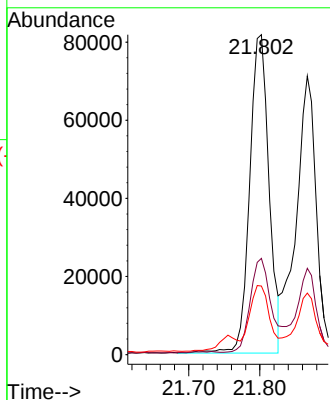
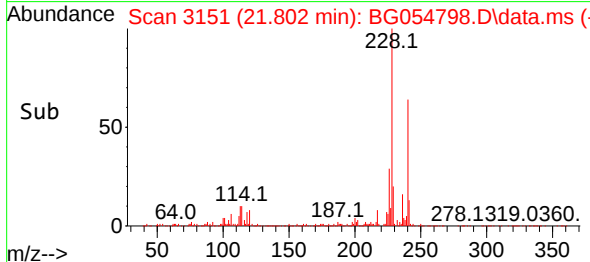
Instrument :
BNA_G
ClientSampleId :
OK-2-082622



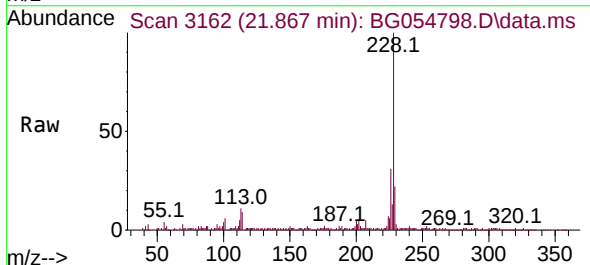
Tgt Ion:228 Resp: 154136
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 21.4 16.5 24.7

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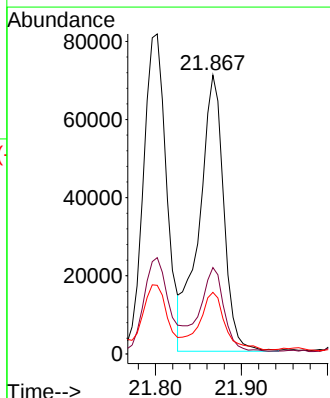
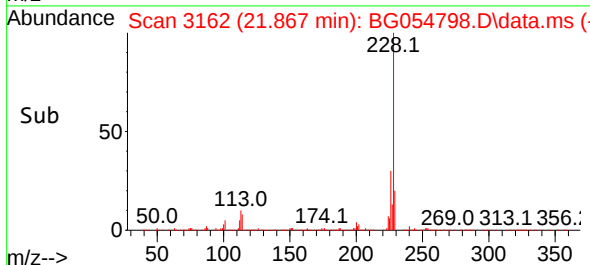
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

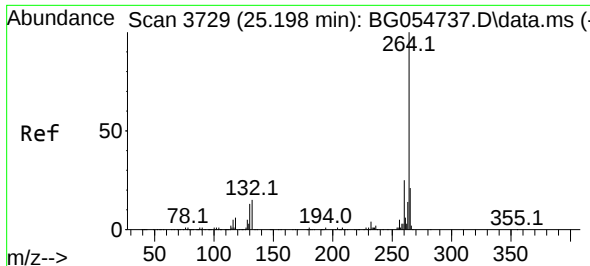


#83
Chrysene
Concen: 7.136 ng m
RT: 21.867 min Scan# 3162
Delta R.T. -0.012 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51



Tgt Ion:228 Resp: 140774
Ion Ratio Lower Upper
228 100
226 31.0 25.5 38.3
229 22.1 16.8 25.2





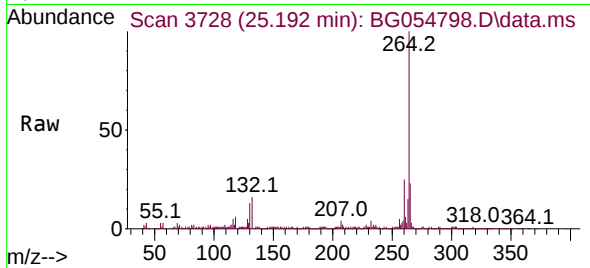
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

Instrument :

BNA_G

ClientSampleId :

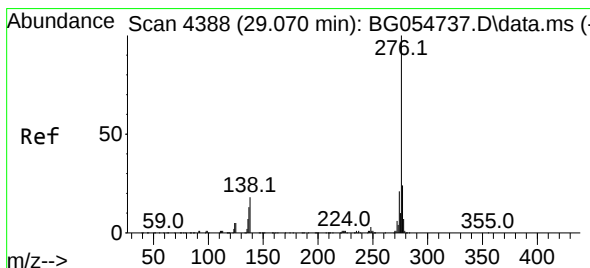
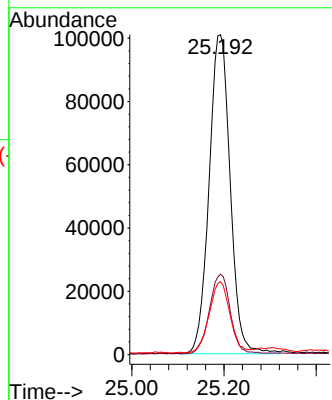
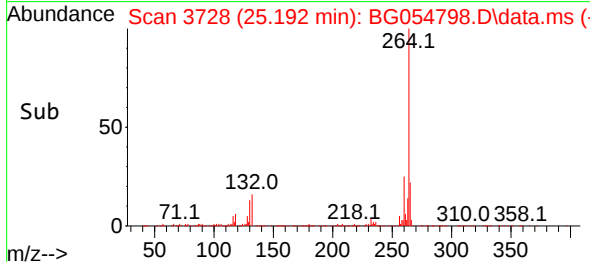
OK-2-082622



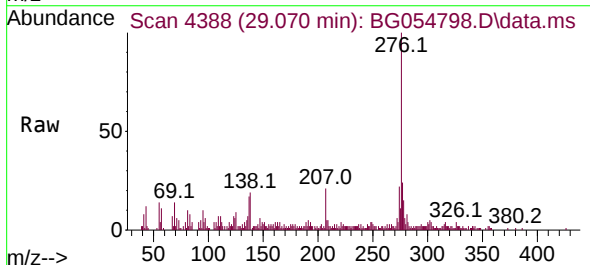
Tgt Ion:264 Resp: 321197
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 22.8 16.9 25.3

Manual Integrations
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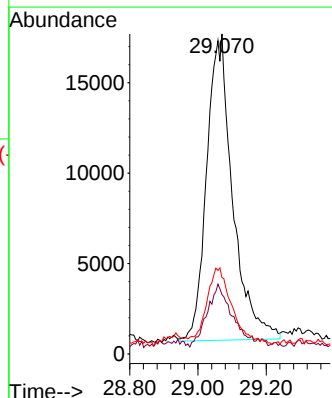
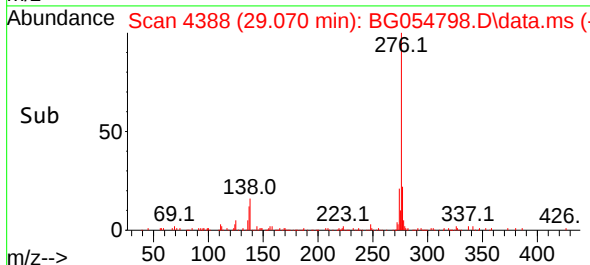
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

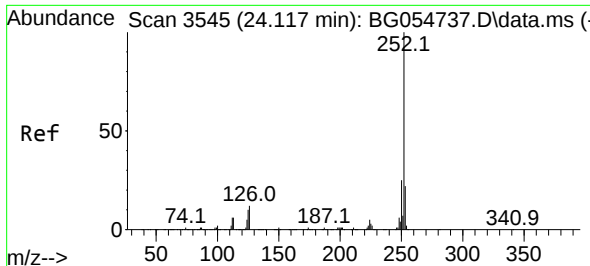


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.674 ng
RT: 29.070 min Scan# 4388
Delta R.T. -0.000 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51



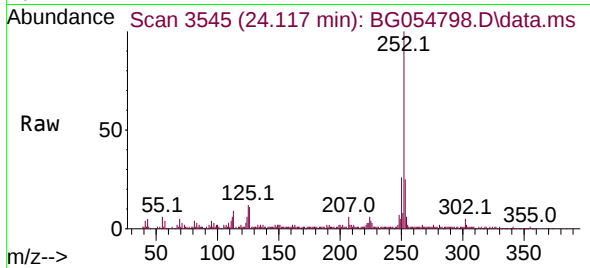
Tgt Ion:276 Resp: 89593
Ion Ratio Lower Upper
276 100
138 19.8 12.0 18.0#
277 22.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 9.459 ng
RT: 24.117 min Scan# 3545
Delta R.T. -0.000 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

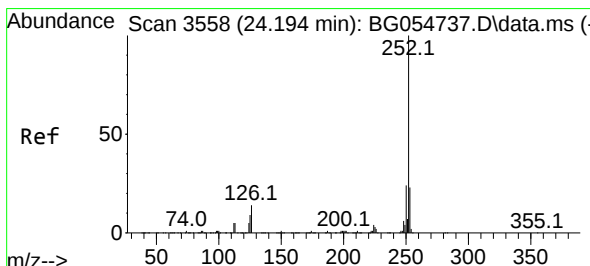
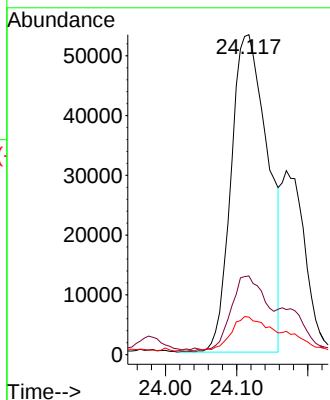
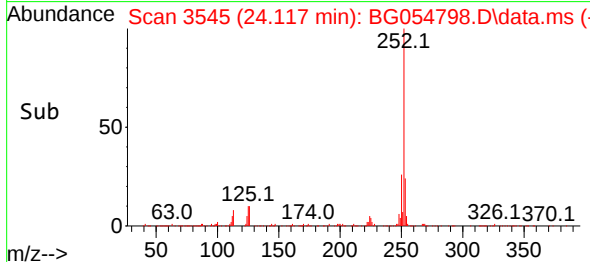
Instrument :
BNA_G
ClientSampleId :
OK-2-082622



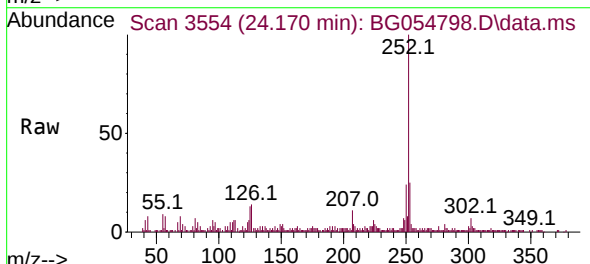
Tgt Ion:252 Resp: 190597
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 11.7 8.1 12.1

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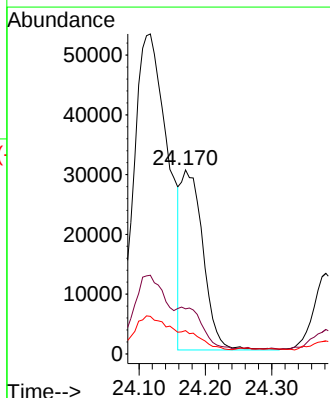
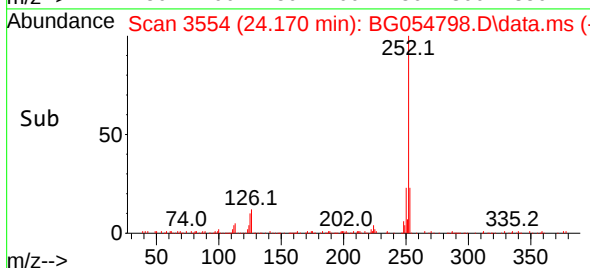
Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022

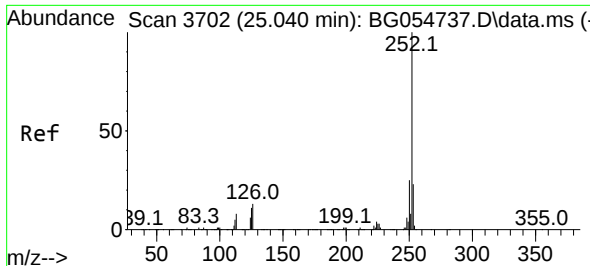


#89
Benzo(k)fluoranthene
Concen: 3.459 ng m
RT: 24.170 min Scan# 3554
Delta R.T. -0.024 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51



Tgt Ion:252 Resp: 70136
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 12.7 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 8.493 ng
RT: 25.028 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

Instrument :

BNA_G

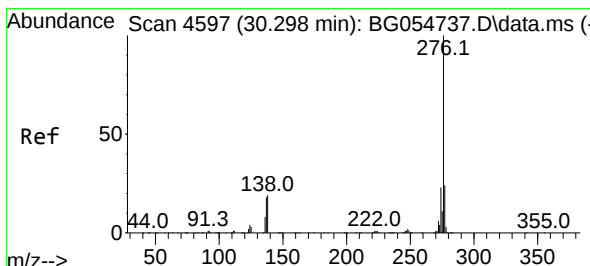
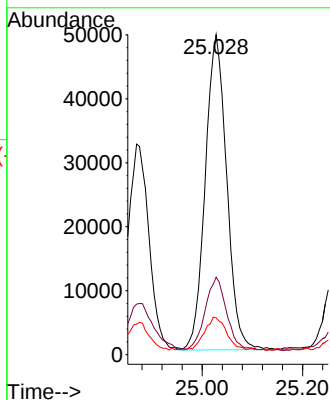
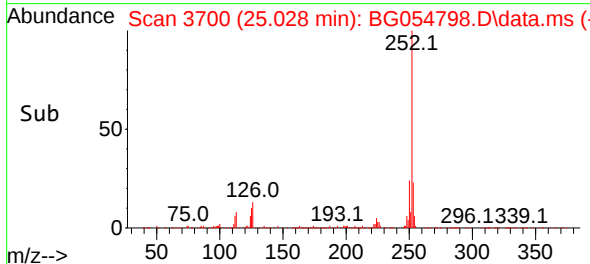
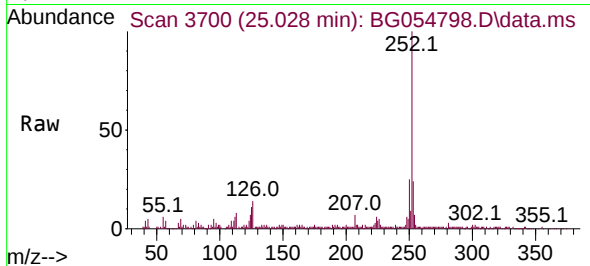
ClientSampleId :

OK-2-082622

Tgt Ion:252 Resp: 146197
Ion Ratio Lower Upper
252 100
253 24.2 18.3 27.5
125 11.5 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/31/2022
Supervised By :Jagrut Upadhyay 08/31/2022



#92
Benzo(g,h,i)perylene
Concen: 4.532 ng
RT: 30.275 min Scan# 4593
Delta R.T. -0.024 min
Lab File: BG054798.D
Acq: 30 Aug 2022 20:51

Tgt Ion:276 Resp: 90960
Ion Ratio Lower Upper
276 100
277 22.9 19.4 29.0
138 18.7 16.6 25.0

