

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
 Data File : BG054921.D
 Acq On : 13 Sep 2022 1:14
 Operator : CG/JU
 Sample : N4562-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-26524

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/13/2022
 Supervised By : Jagrut Upadhyay 09/13/2022

Quant Time: Sep 13 03:12:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 10 01:53:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.144	152	46652	20.000	ng	0.00
21) Naphthalene-d8	10.976	136	182552	20.000	ng	# 0.00
39) Acenaphthene-d10	14.783	164	113514	20.000	ng	0.00
64) Phenanthrene-d10	17.533	188	229023	20.000	ng	0.00
76) Chrysene-d12	21.828	240	215937	20.000	ng	0.00
86) Perylene-d12	25.224	264	204851	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	267991	100.032	ng	0.00
7) Phenol-d6	7.310	99	356702	97.358	ng	0.00
23) Nitrobenzene-d5	9.319	82	213274	61.331	ng	0.00
42) 2,4,6-Tribromophenol	16.276	330	149843	105.640	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	542240	71.797	ng	0.00
79) Terphenyl-d14	20.130	244	755849	69.355	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.574	178	49855	4.086	ng	97
75) Fluoranthene	19.584	202	155646	10.487	ng	97
78) Pyrene	19.942	202	188370	12.510	ng	98
81) Benzo(a)anthracene	21.810	228	93212m	6.366	ng	
83) Chrysene	21.875	228	115976	8.285	ng	97
84) Bis(2-ethylhexyl)phtha...	21.681	149	141211	15.606	ng	# 96
87) Indeno(1,2,3-cd)pyrene	29.149	276	48774	3.136	ng	# 92
88) Benzo(b)fluoranthene	24.143	252	152683	11.881	ng	# 82
89) Benzo(k)fluoranthene	24.202	252	52339m	4.047	ng	
90) Benzo(a)pyrene	25.060	252	91182	8.305	ng	# 85
92) Benzo(g,h,i)perylene	30.377	276	47737	3.730	ng	# 87

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

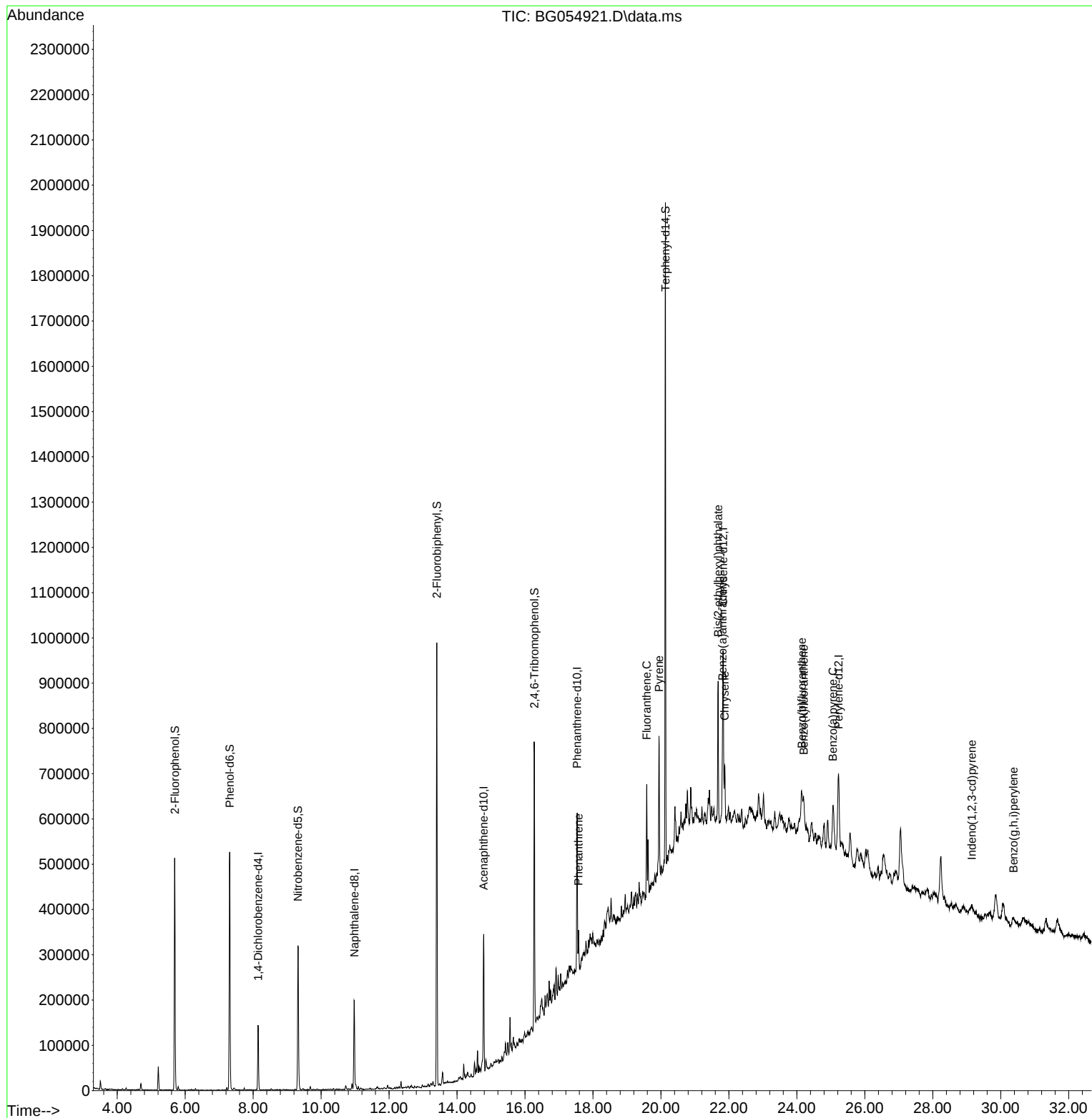
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091222\
Data File : BG054921.D
Acq On : 13 Sep 2022 1:14
Operator : CG/JU
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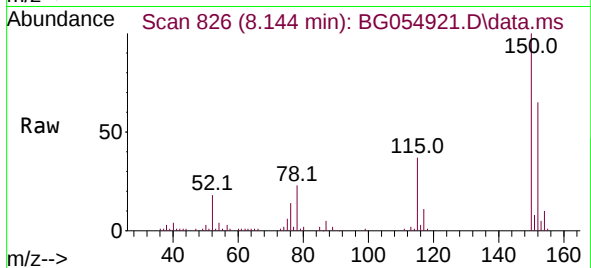
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.144 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

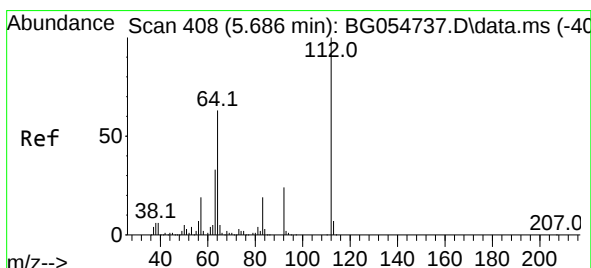
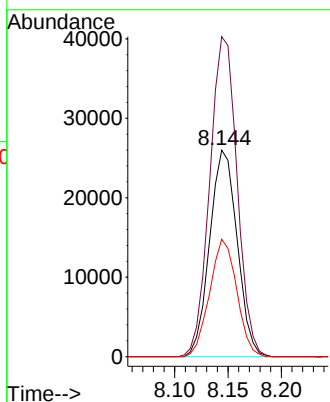
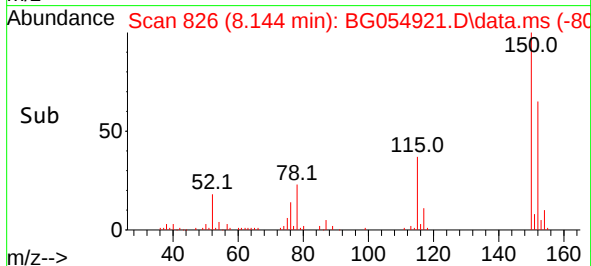
Instrument :
BNA_G
ClientSampleId :
CHRT-26524



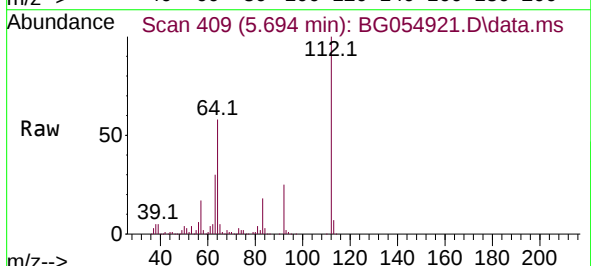
Tgt Ion:152 Resp: 46652
Ion Ratio Lower Upper
152 100
150 155.0 125.2 187.8
115 56.8 47.9 71.9

Manual Integrations
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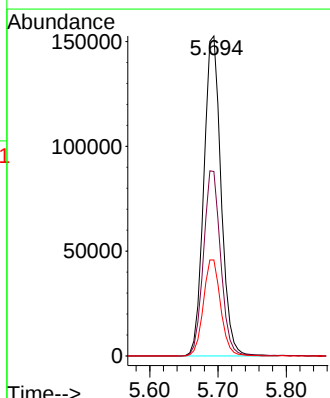
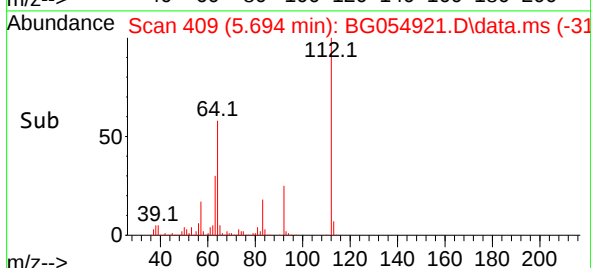
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#5
2-Fluorophenol
Concen: 100.032 ng
RT: 5.694 min Scan# 409
Delta R.T. 0.010 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14



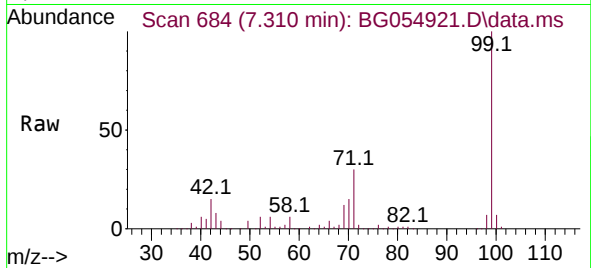
Tgt Ion:112 Resp: 267991
Ion Ratio Lower Upper
112 100
64 57.6 49.3 73.9
63 30.0 26.3 39.5





#7
Phenol-d6
Concen: 97.358 ng
RT: 7.310 min Scan# 682
Delta R.T. 0.010 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

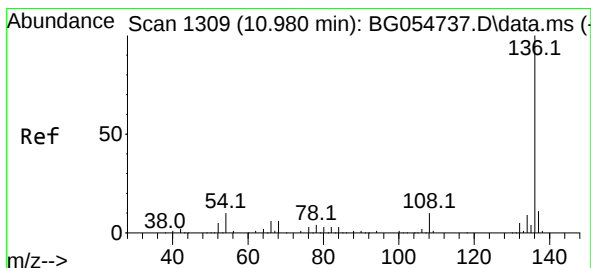
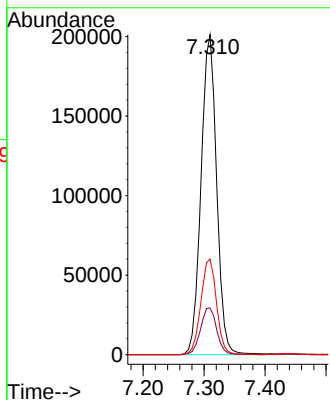
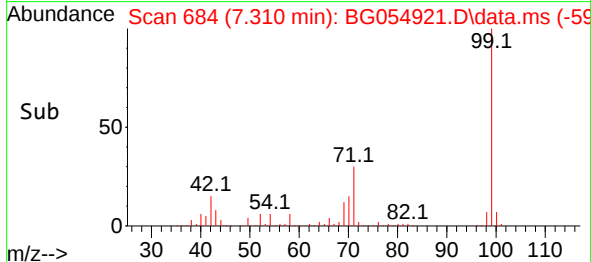
Instrument :
BNA_G
ClientSampleId :
CHRT-26524



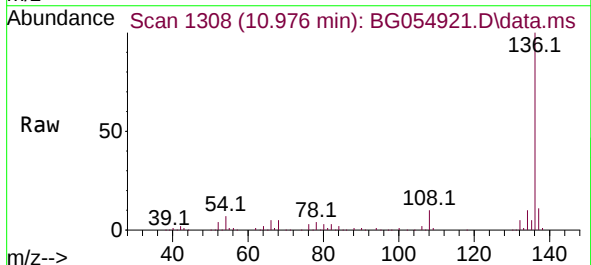
Tgt Ion: 99 Resp: 356702
Ion Ratio Lower Upper
99 100
42 14.6 14.6 22.0#
71 29.8 24.6 37.0#

Manual Integrations
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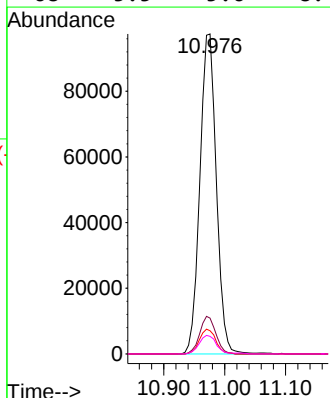
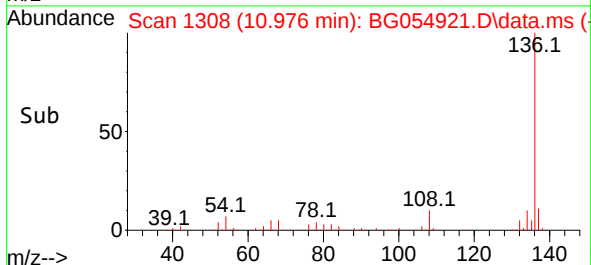
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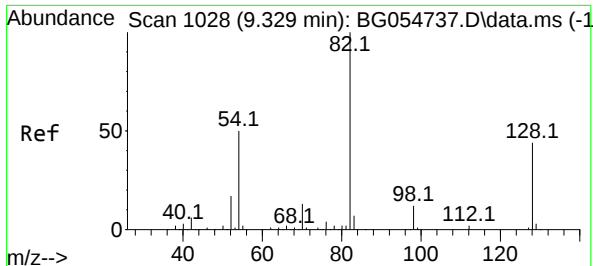


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.976 min Scan# 1308
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14



Tgt Ion:136 Resp: 182552
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.2 7.7 11.5#
68 5.5 5.6 8.4#





#23
Nitrobenzene-d5
Concen: 61.331 ng
RT: 9.319 min Scan# 1026
Delta R.T. -0.002 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

Instrument :

BNA_G

ClientSampleId :

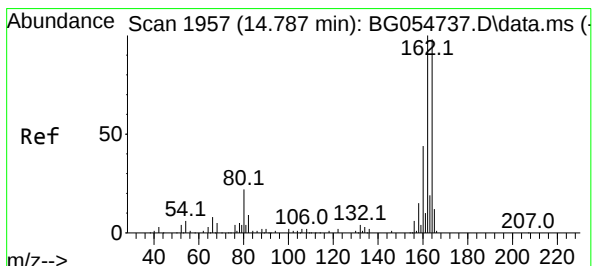
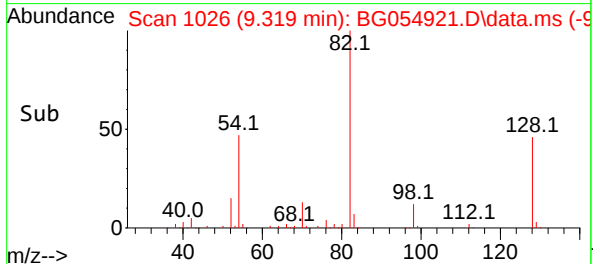
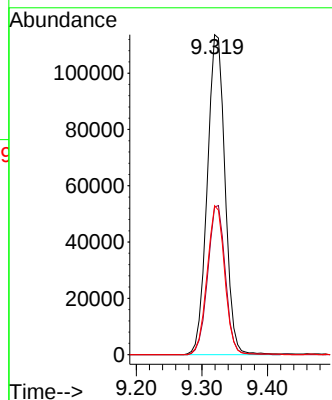
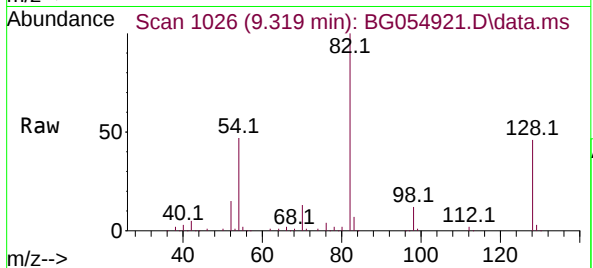
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Tgt Ion: 82 Resp: 213274
Ion Ratio Lower Upper
82 100
128 46.2 32.2 48.2
54 46.5 41.4 62.0

Manual Integrations

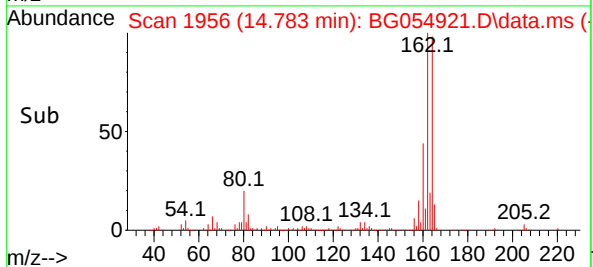
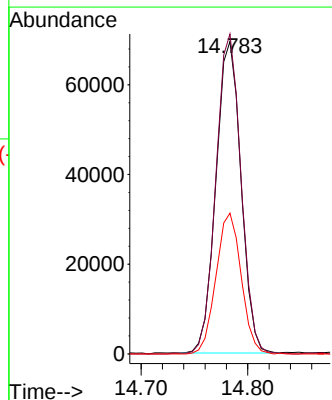
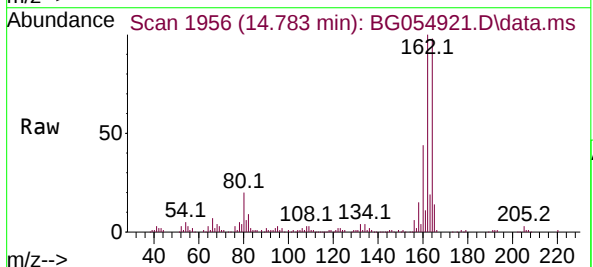
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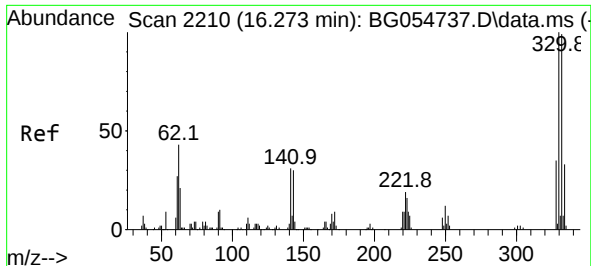
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.783 min Scan# 1956
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

Tgt Ion:164 Resp: 113514
Ion Ratio Lower Upper
164 100
162 102.4 83.0 124.4
160 45.1 38.0 57.0





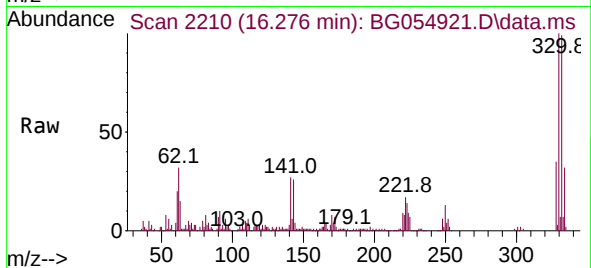
#42
2,4,6-Tribromophenol
Concen: 105.640 ng
RT: 16.276 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

Instrument :

BNA_G

ClientSampleId :

CHRT-26524

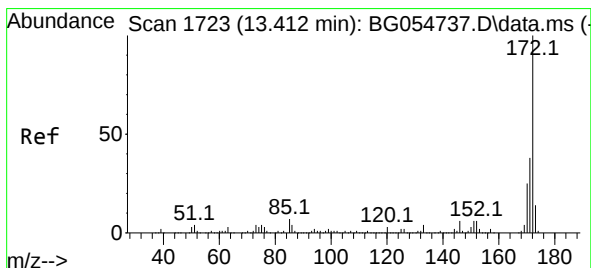
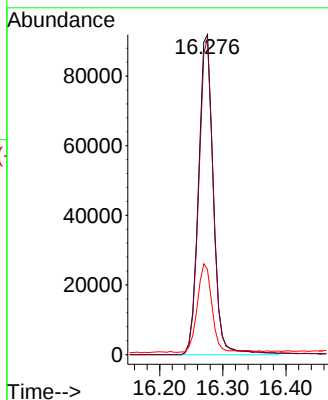
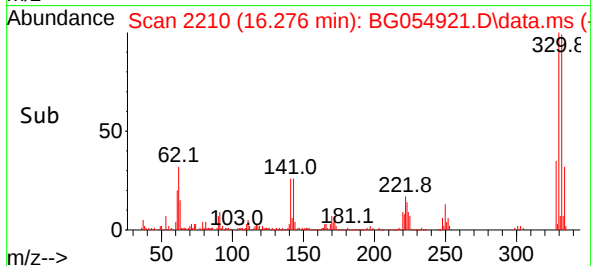


Tgt Ion:330 Resp: 149843
Ion Ratio Lower Upper
330 100
332 97.9 79.8 119.6
141 27.0 26.8 40.2

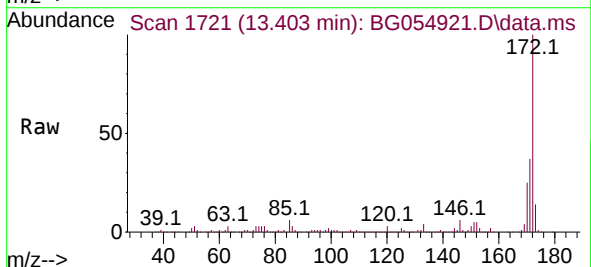
Manual Integrations

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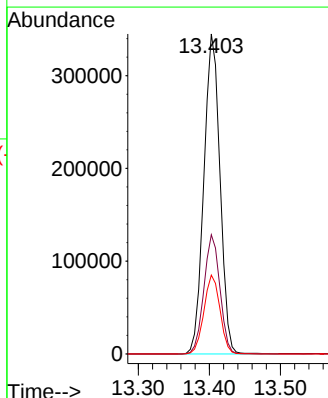
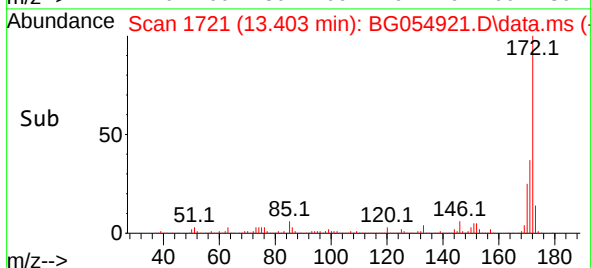
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

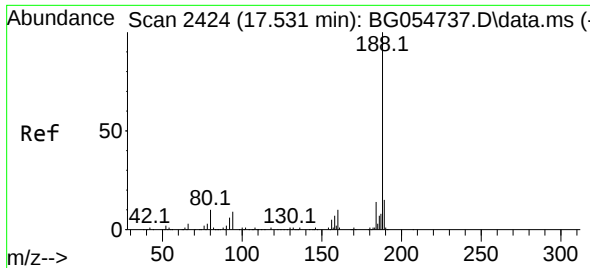


#45
2-Fluorobiphenyl
Concen: 71.797 ng
RT: 13.403 min Scan# 1721
Delta R.T. -0.002 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14



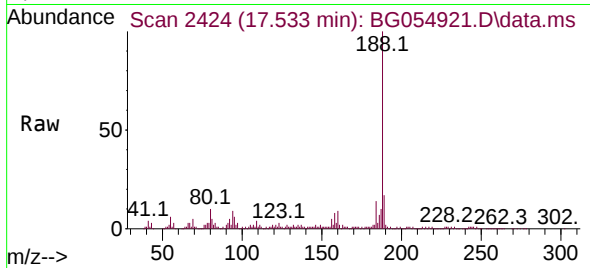
Tgt Ion:172 Resp: 542240
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 24.6 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.533 min Scan# 2424
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

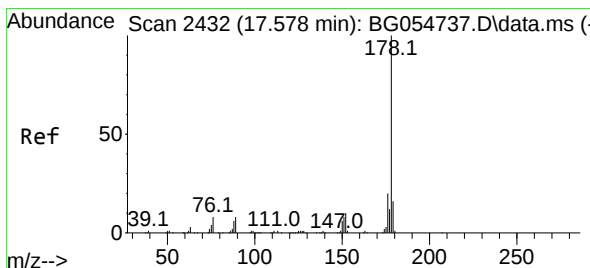
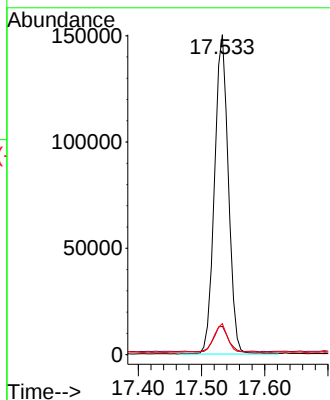
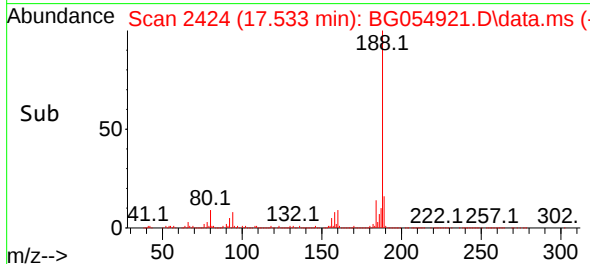
Instrument :
BNA_G
ClientSampleId :
CHRT-26524



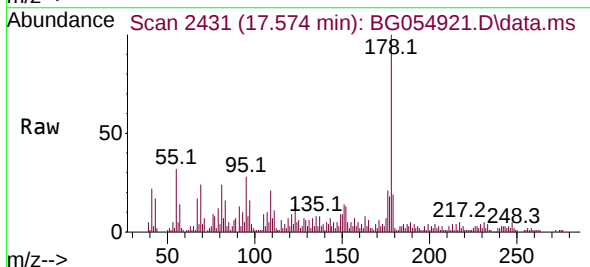
Tgt Ion:188 Resp: 229023
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.4
80 9.7 7.9 11.9

Manual Integrations
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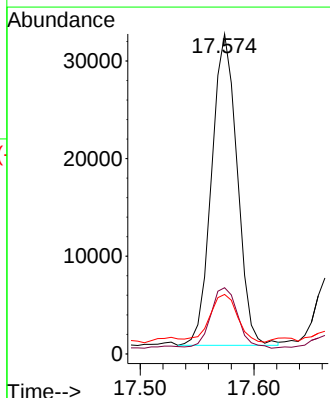
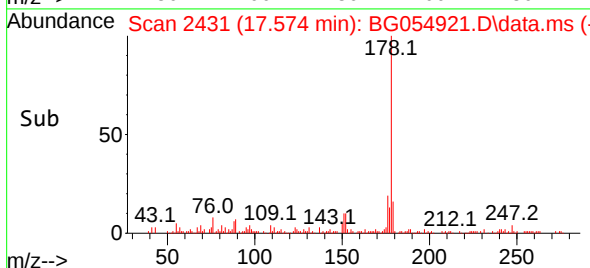
Reviewed By :Christian Giraldo 09/13/2022
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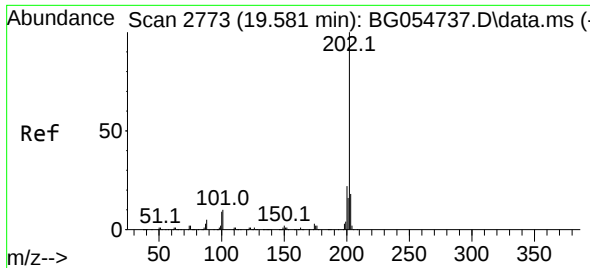


#71
Phenanthrene
Concen: 4.086 ng
RT: 17.574 min Scan# 2431
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14



Tgt Ion:178 Resp: 49855
Ion Ratio Lower Upper
178 100
176 20.7 16.6 25.0
179 18.6 12.8 19.2





#75
Fluoranthene
Concen: 10.487 ng
RT: 19.584 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

Instrument :

BNA_G

ClientSampleId :

CHRT-26524

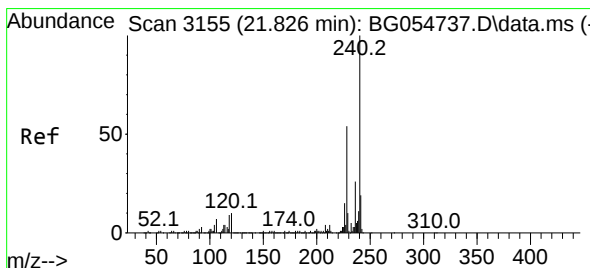
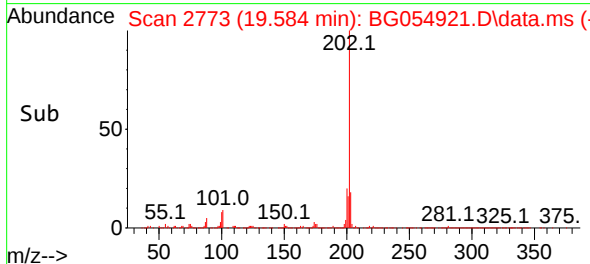
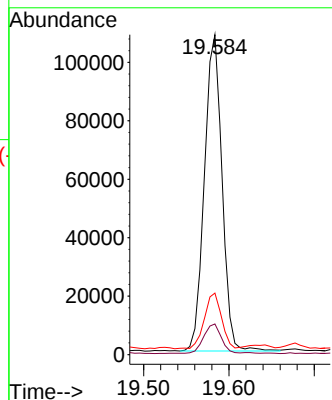
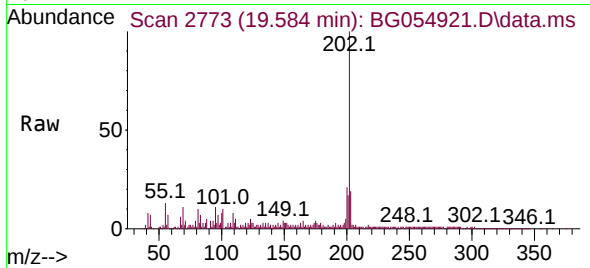
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Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.4
203 19.2 0.0 38.6

Manual Integrations

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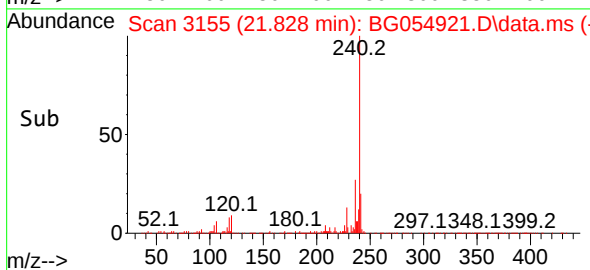
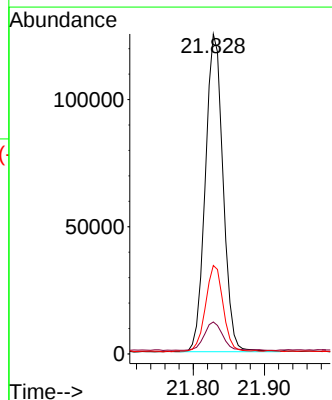
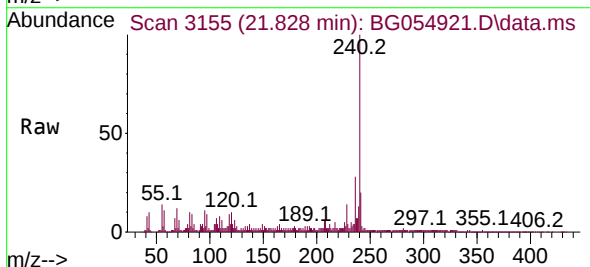
Reviewed By :Christian Giraldo 09/13/2022

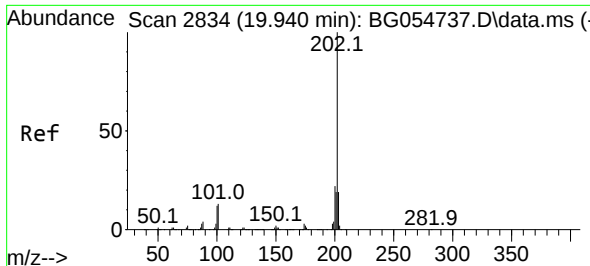
Supervised By :Jagrut Upadhyay 09/13/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.828 min Scan# 3155
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

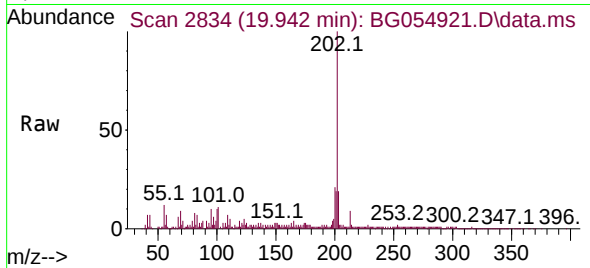
Tgt Ion:240 Resp: 215937
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.4
236 27.6 21.2 31.8





#78
 Pyrene
 Concen: 12.510 ng
 RT: 19.942 min Scan# 2834
 Delta R.T. 0.004 min
 Lab File: BG054921.D
 Acq: 13 Sep 2022 1:14

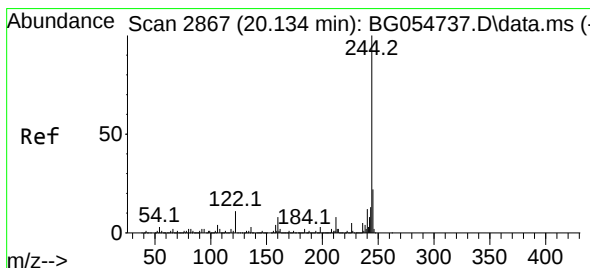
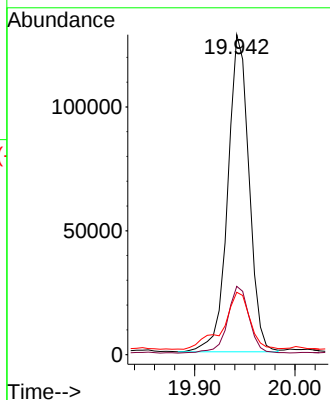
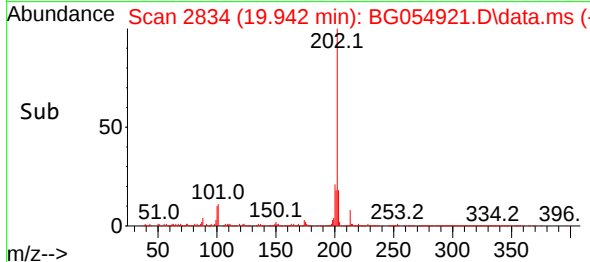
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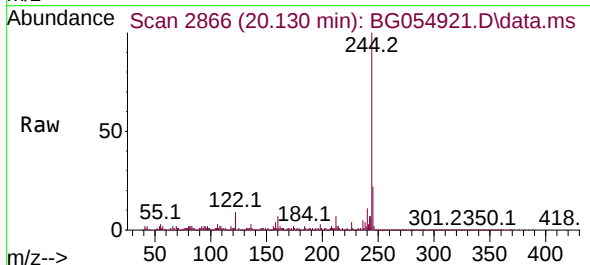
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 Ion Ratio Lower Upper
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 203 19.5 14.6 21.8

Manual Integrations
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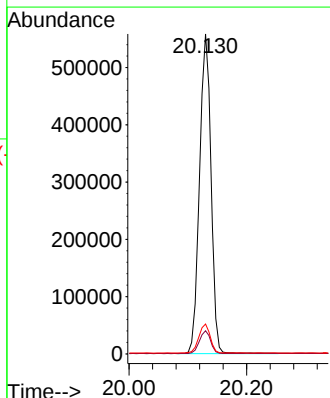
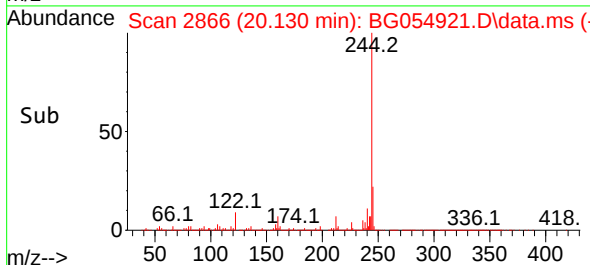
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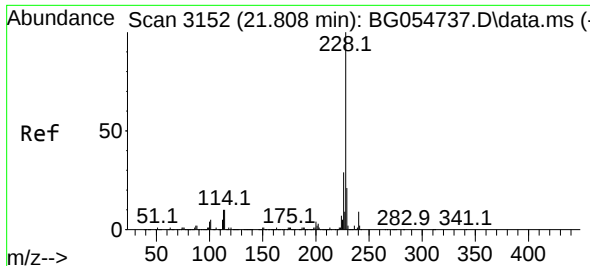


#79
 Terphenyl-d14
 Concen: 69.355 ng
 RT: 20.130 min Scan# 2866
 Delta R.T. 0.004 min
 Lab File: BG054921.D
 Acq: 13 Sep 2022 1:14



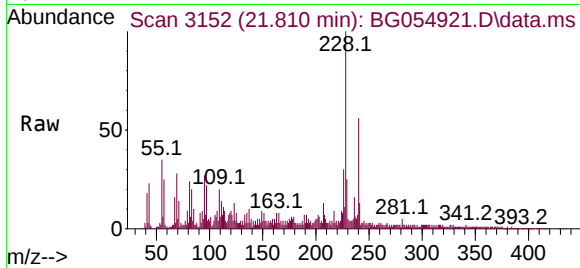
Tgt Ion:244 Resp: 755849
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 9.3 9.0 13.6





#81
Benzo(a)anthracene
Concen: 6.366 ng m
RT: 21.810 min Scan# 3152
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

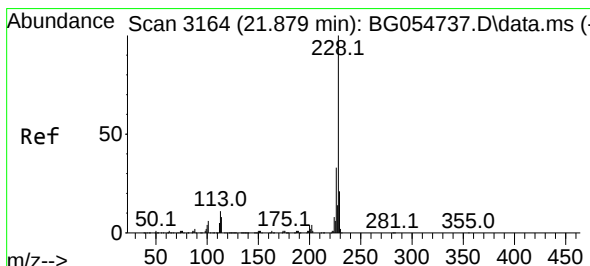
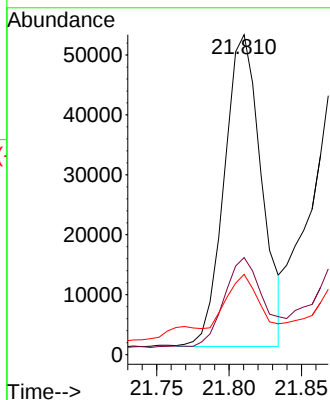
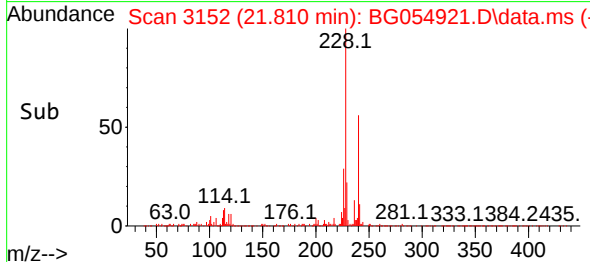
Instrument :
BNA_G
ClientSampleId :
CHRT-26524



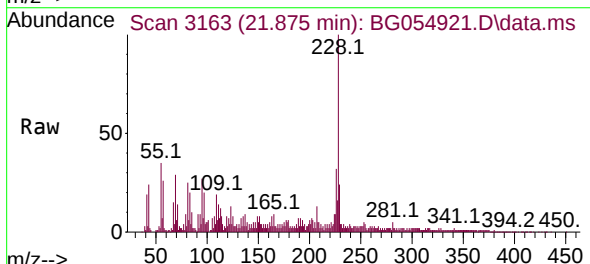
Tgt Ion:228 Resp: 93212
Ion Ratio Lower Upper
228 100
226 30.3 23.4 35.2
229 25.1 16.5 24.7

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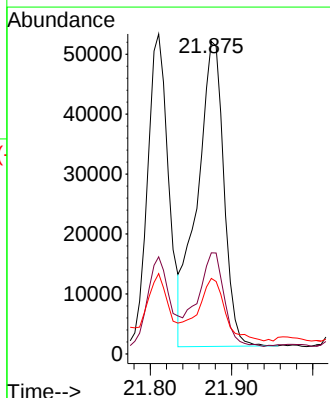
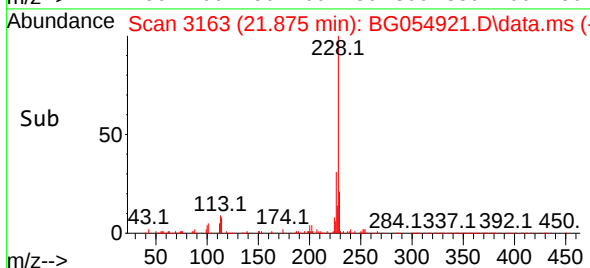
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

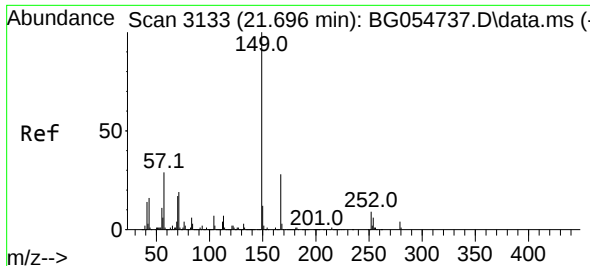


#83
Chrysene
Concen: 8.285 ng
RT: 21.875 min Scan# 3163
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14



Tgt Ion:228 Resp: 115976
Ion Ratio Lower Upper
228 100
226 32.3 25.5 38.3
229 24.1 16.8 25.2





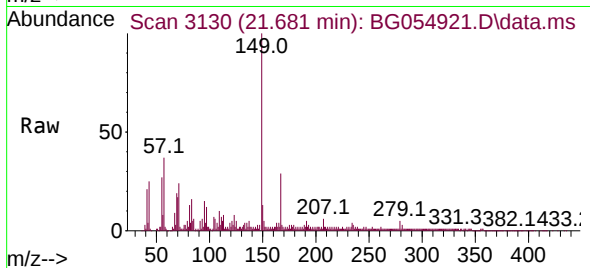
#84
Bis(2-ethylhexyl)phthalate
Concen: 15.606 ng
RT: 21.681 min Scan# 3133
Delta R.T. 0.004 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

Instrument :

BNA_G

ClientSampleId :

CHRT-26524

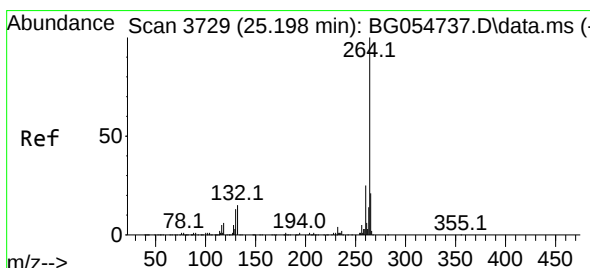
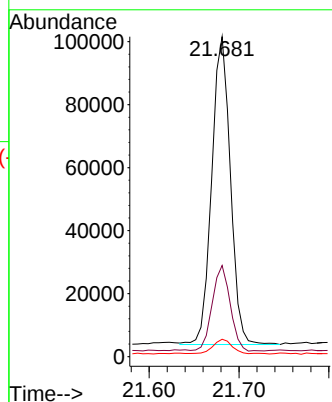
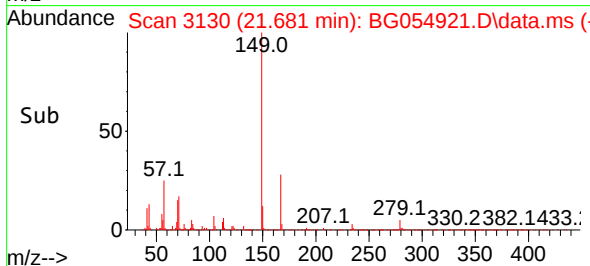


Tgt Ion:149 Resp: 141211
Ion Ratio Lower Upper
149 100
167 28.5 21.4 32.0
279 5.4 3.1 4.7

Manual Integrations

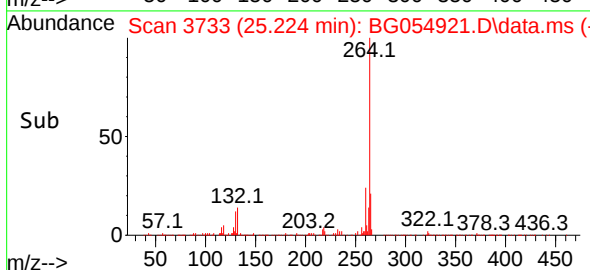
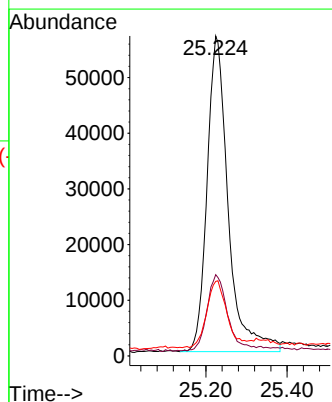
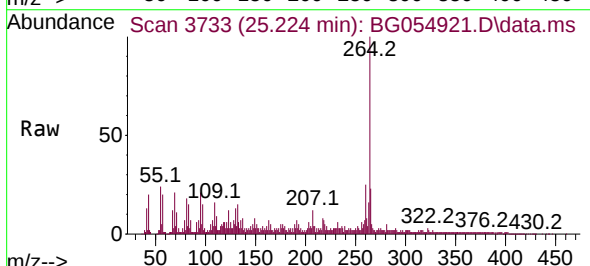
APPROVED

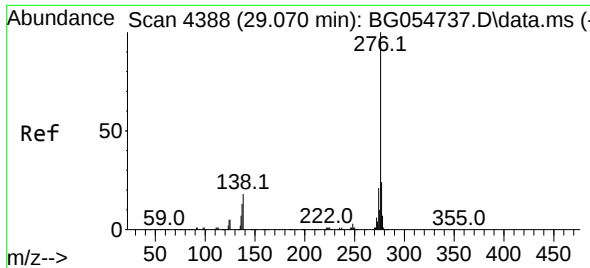
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.224 min Scan# 3733
Delta R.T. 0.021 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

Tgt Ion:264 Resp: 204851
Ion Ratio Lower Upper
264 100
260 25.4 19.9 29.9
265 23.3 16.9 25.3





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.136 ng
 RT: 29.149 min Scan# 4401
 Delta R.T. 0.039 min
 Lab File: BG054921.D
 Acq: 13 Sep 2022 1:14

Instrument :

BNA_G

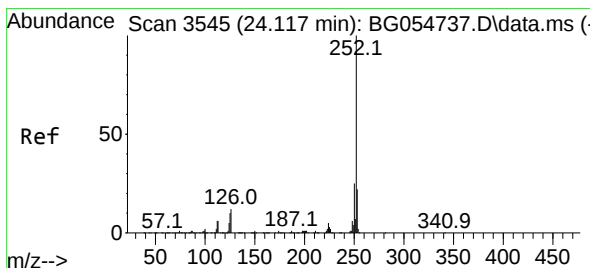
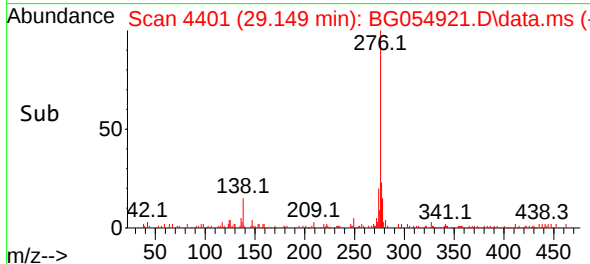
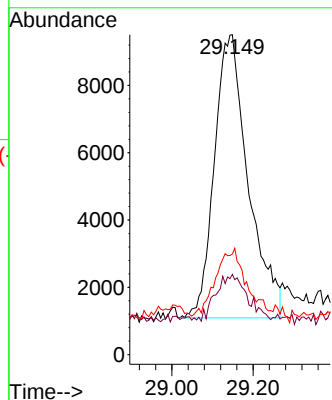
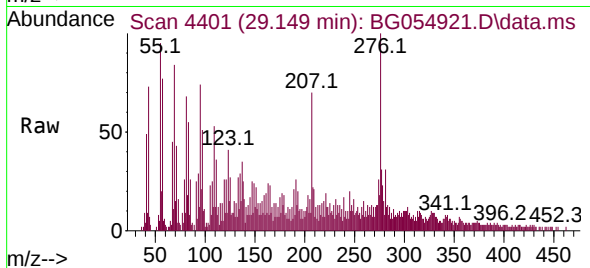
ClientSampleId :

CHRT-26524

Tgt Ion:276 Resp: 48774
 Ion Ratio Lower Upper
 276 100
 138 13.0 12.0 18.0
 277 19.9 20.2 30.4

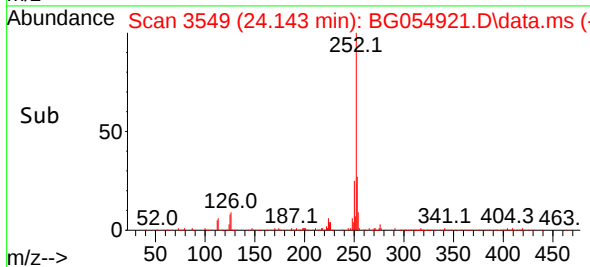
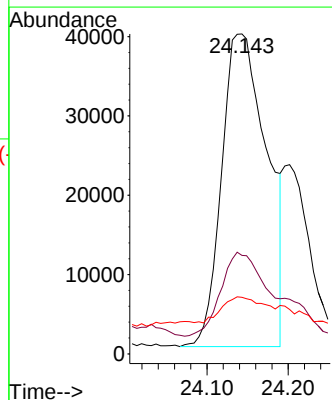
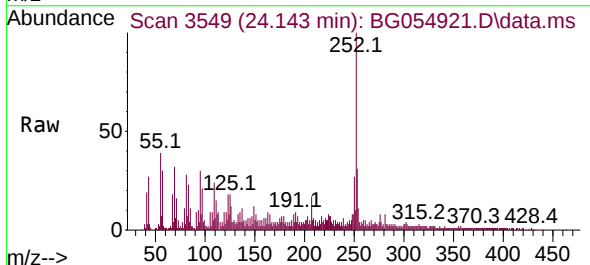
Manual Integrations
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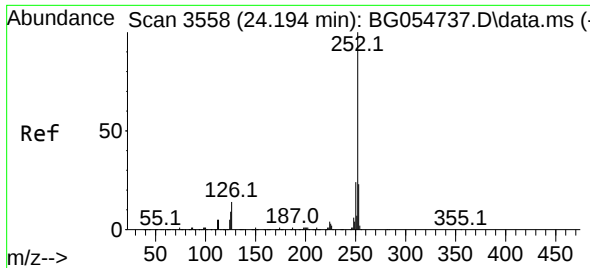
Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022



#88
 Benzo(b)fluoranthene
 Concen: 11.881 ng
 RT: 24.143 min Scan# 3549
 Delta R.T. 0.021 min
 Lab File: BG054921.D
 Acq: 13 Sep 2022 1:14

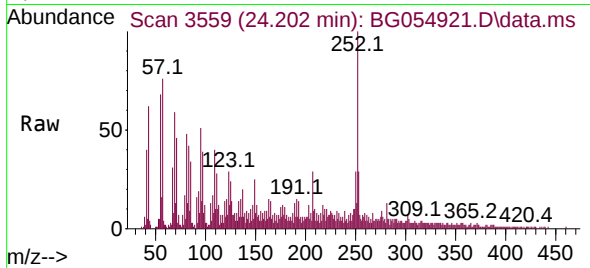
Tgt Ion:252 Resp: 152683
 Ion Ratio Lower Upper
 252 100
 253 30.8 18.0 27.0#
 125 17.7 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 4.047 ng m
RT: 24.202 min Scan# 3558
Delta R.T. 0.010 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14

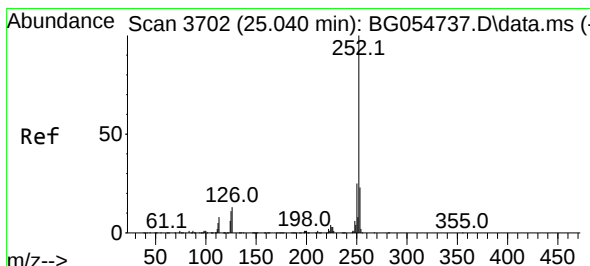
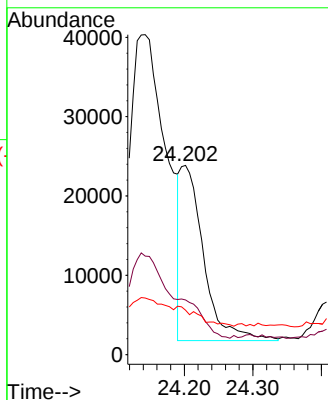
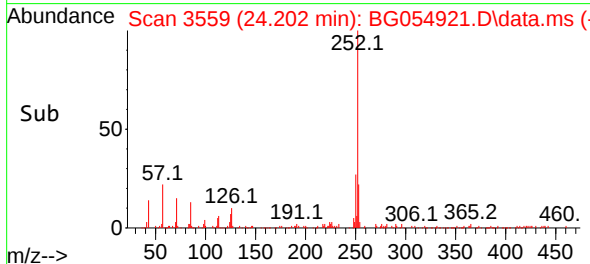
Instrument :
BNA_G
ClientSampleId :
CHRT-26524



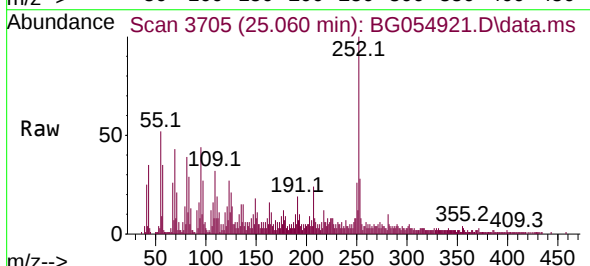
Tgt Ion:252 Resp: 52339
Ion Ratio Lower Upper
252 100
253 28.9 17.8 26.8#
125 23.5 8.2 12.4#

Manual Integrations
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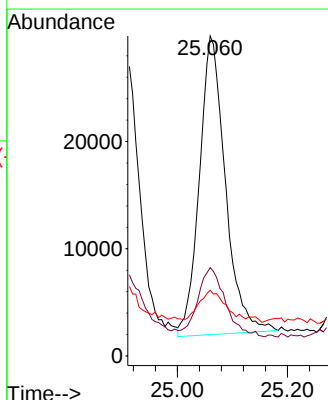
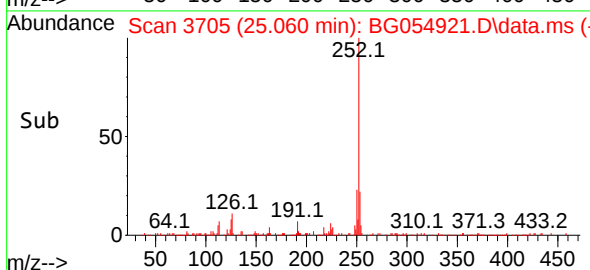
Reviewed By :Christian Giraldo 09/13/2022
Supervised By :Jagrut Upadhyay 09/13/2022

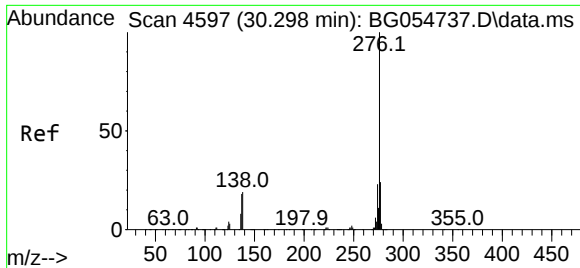


#90
Benzo(a)pyrene
Concen: 8.305 ng
RT: 25.060 min Scan# 3705
Delta R.T. 0.010 min
Lab File: BG054921.D
Acq: 13 Sep 2022 1:14



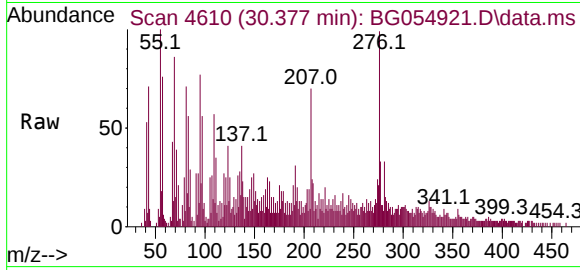
Tgt Ion:252 Resp: 91182
Ion Ratio Lower Upper
252 100
253 27.6 18.3 27.5#
125 20.5 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.730 ng
 RT: 30.377 min Scan# 4610
 Delta R.T. 0.051 min
 Lab File: BG054921.D
 Acq: 13 Sep 2022 1:14

Instrument :
 BNA_G
 ClientSampleId :
 CHRT-26524



Tgt Ion:	276	Resp:	4773
Ion Ratio	Lower	Upper	
276	100		
277	33.6	19.4	29.0
138	23.5	16.6	25.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 09/13/2022
 Supervised By :Jagrut Upadhyay 09/13/2022

