

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
 Data File : BF128059.D
 Acq On : 03 May 2022 21:35
 Operator : CG\JU
 Sample : N2655-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-050222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/04/2022
 Supervised By : Jagrut Upadhyay 05/04/2022

Quant Time: May 04 04:28:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	81775	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	283843	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	136294	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	229037	20.000	ng	0.00
76) Chrysene-d12	14.104	240	163147	20.000	ng	0.00
86) Perylene-d12	15.616	264	121362	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	404834	78.852	ng	0.00
7) Phenol-d6	6.540	99	521601	78.297	ng	-0.01
23) Nitrobenzene-d5	7.481	82	358445	59.383	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	109121	79.533	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	527917	65.527	ng	0.00
79) Terphenyl-d14	13.039	244	510345	57.200	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	9.010	142	44412	4.782	ng	95
49) Acenaphthylene	9.822	152	87560	7.448	ng	98
58) Fluorene	10.504	166	31623	3.716	ng	# 98
71) Phenanthrene	11.475	178	475226	39.638	ng	99
72) Anthracene	11.528	178	75556	6.326	ng	99
74) Di-n-butylphthalate	12.004	149	58603	4.528	ng	98
75) Fluoranthene	12.669	202	545323	43.218	ng	99
78) Pyrene	12.904	202	695195	52.786	ng	99
81) Benzo(a)anthracene	14.092	228	258159m	23.740	ng	
83) Chrysene	14.127	228	302573	29.135	ng	97
87) Indeno(1,2,3-cd)pyrene	17.151	276	73494m	9.073	ng	
88) Benzo(b)fluoranthene	15.169	252	201838m	26.479	ng	
89) Benzo(k)fluoranthene	15.192	252	45706m	5.952	ng	
90) Benzo(a)pyrene	15.545	252	132518	20.959	ng	96
91) Dibenzo(a,h)anthracene	17.157	278	21845	3.362	ng	# 75
92) Benzo(g,h,i)perylene	17.621	276	77215	11.278	ng	95

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

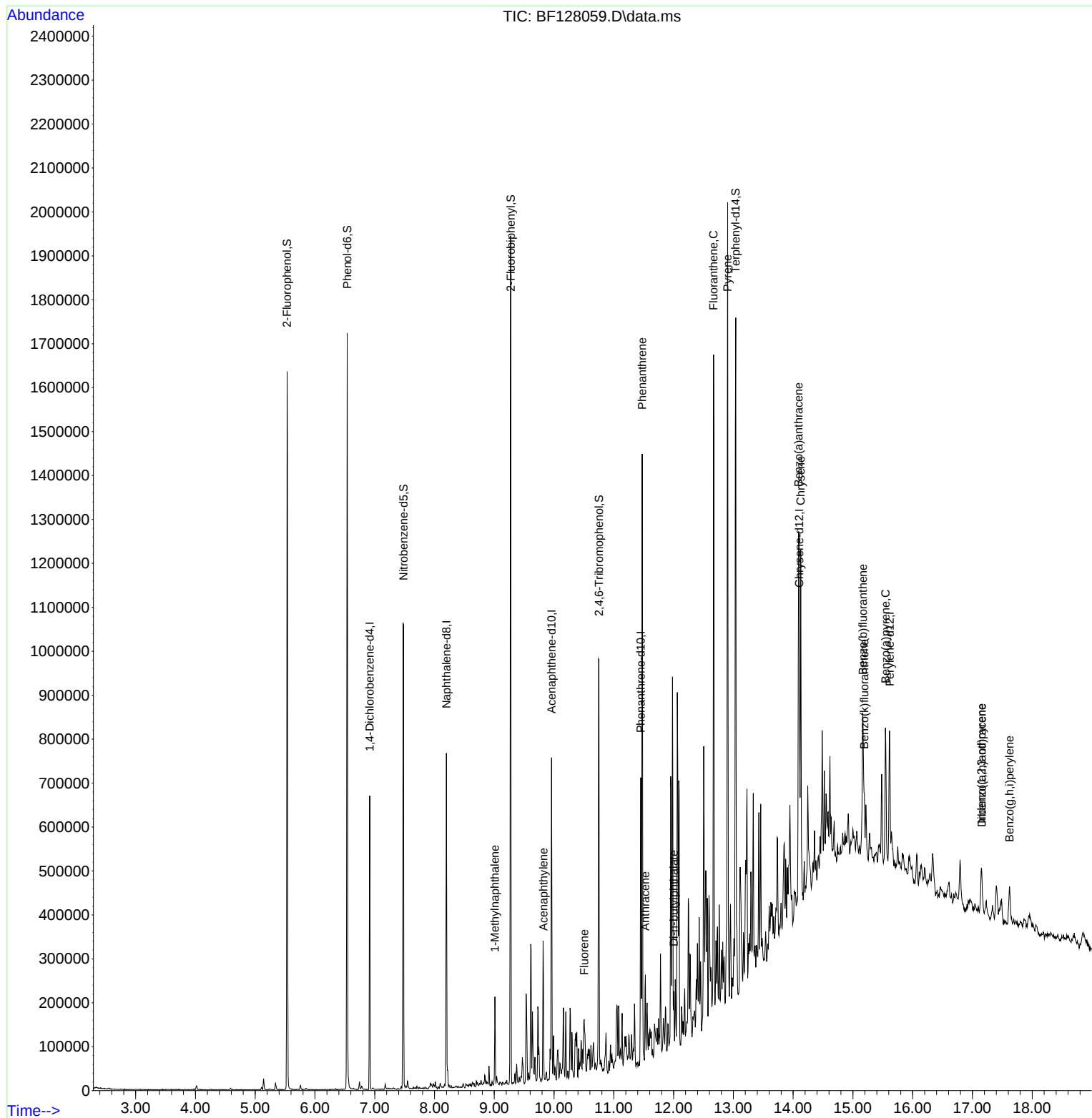
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050322\
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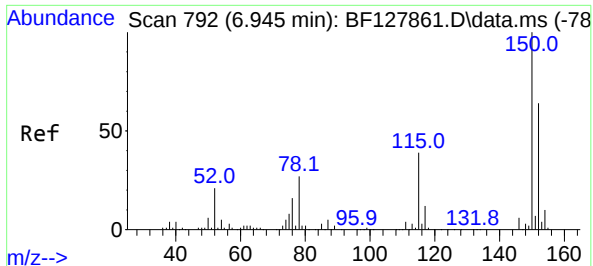
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

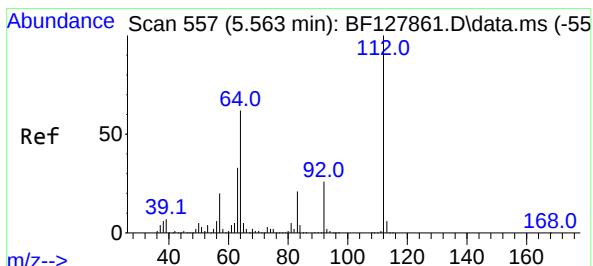
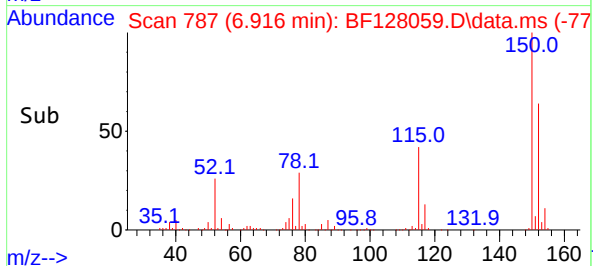
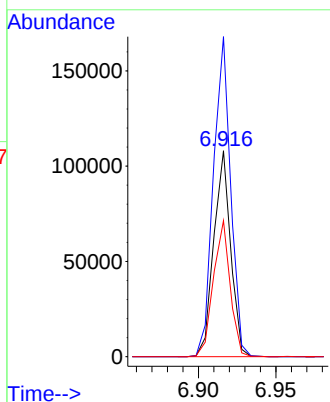
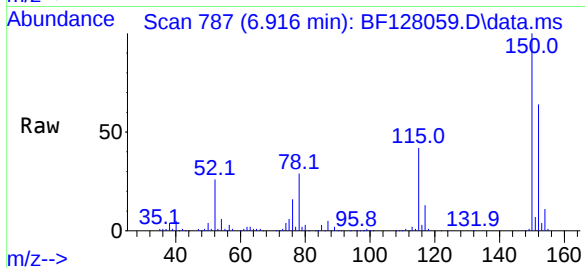
CL-01-050222

Tgt Ion:152 Resp: 81775
Ion Ratio Lower Upper
152 100
150 155.4 125.3 187.9
115 66.0 48.8 73.2

Manual Integrations

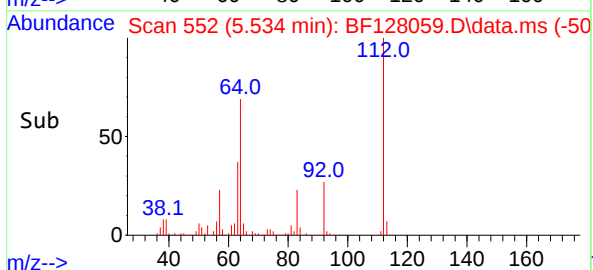
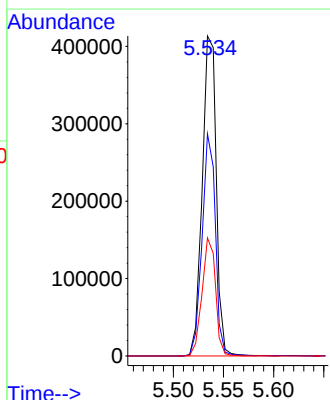
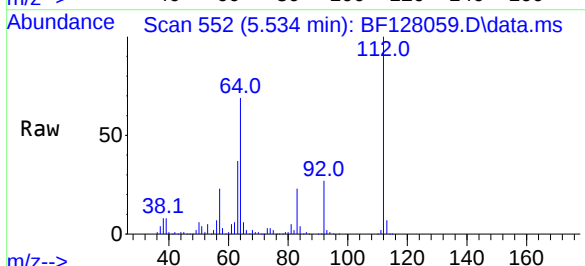
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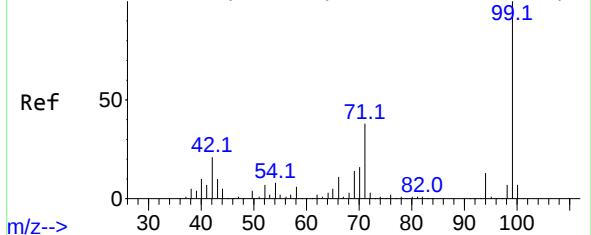


#5
2-Fluorophenol
Concen: 78.852 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Tgt Ion:112 Resp: 404834
Ion Ratio Lower Upper
112 100
64 69.4 49.5 74.3
63 36.9 26.3 39.5



Abundance Scan 728 (6.569 min): BF127861.D\data.ms (-72



#7

Phenol-d6

Concen: 78.297 ng

RT: 6.540 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF128059.D

Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

CL-01-050222

Tgt Ion: 99 Resp: 52160

Ion Ratio Lower Upper

99 100

42 22.0 16.6 24.8

71 39.9 30.0 45.0

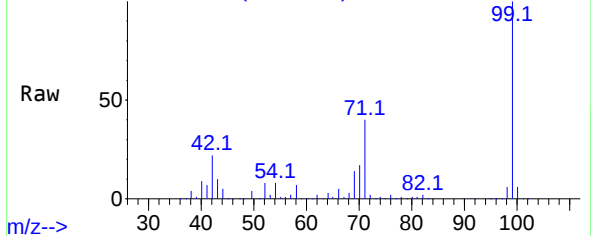
Manual Integrations

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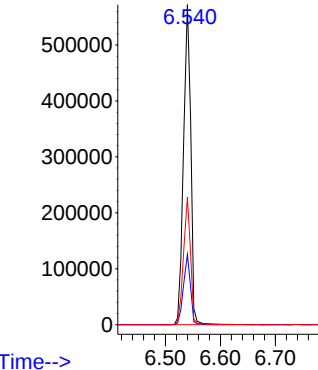
Reviewed By :Christian Giraldo 05/04/2022

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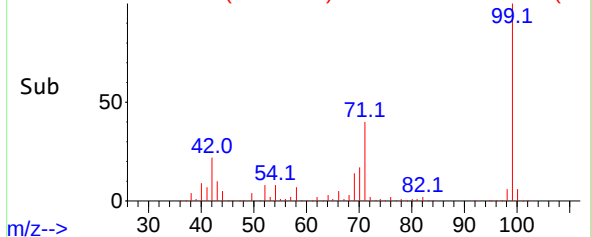
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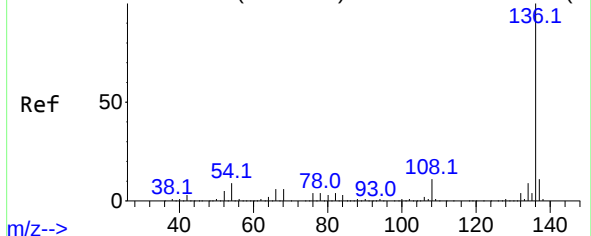
Abundance



Abundance Scan 723 (6.540 min): BF128059.D\data.ms (-67



Abundance Scan 1010 (8.228 min): BF127861.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.198 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF128059.D

Acq: 03 May 2022 21:35

Tgt Ion:136 Resp: 283843

Ion Ratio Lower Upper

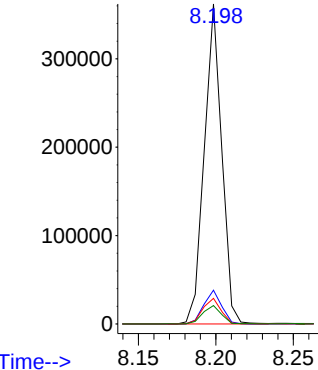
136 100

137 10.6 8.6 13.0

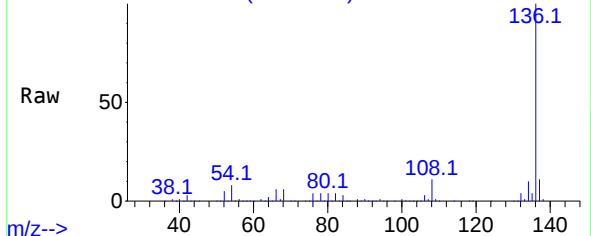
54 8.0 6.8 10.2

68 5.8 5.1 7.7

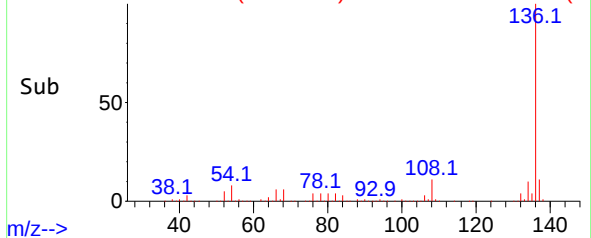
Abundance



Abundance Scan 1005 (8.198 min): BF128059.D\data.ms



Abundance Scan 1005 (8.198 min): BF128059.D\data.ms (-9





#23

Nitrobenzene-d5

Concen: 59.383 ng

RT: 7.481 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128059.D

Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

CL-01-050222

Tgt Ion: 82 Resp: 35844

Ion Ratio Lower Upper

82 100

128 40.2 30.0 45.0

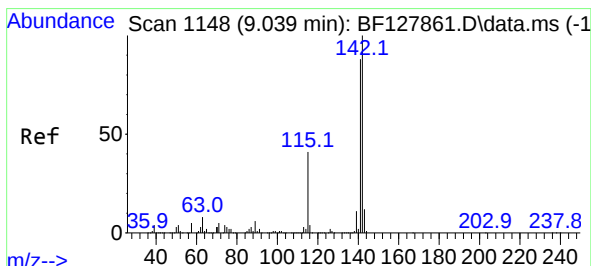
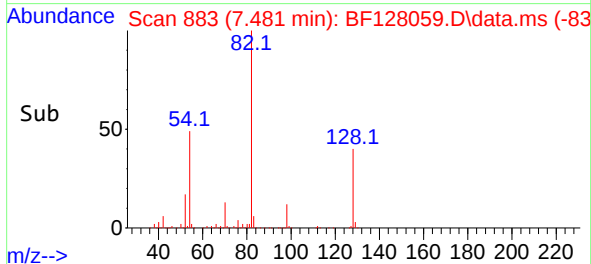
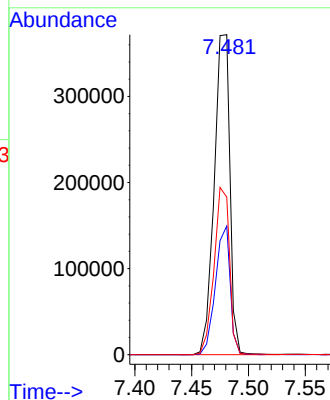
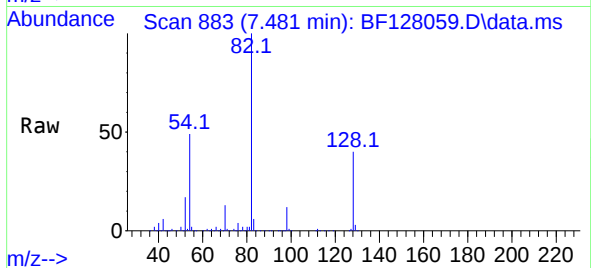
54 49.3 41.3 61.9

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#38

1-Methylnaphthalene

Concen: 4.782 ng

RT: 9.010 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF128059.D

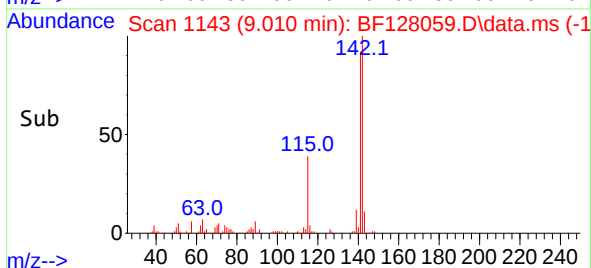
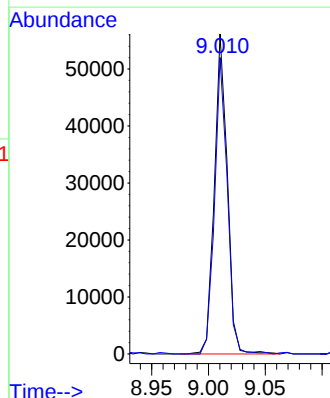
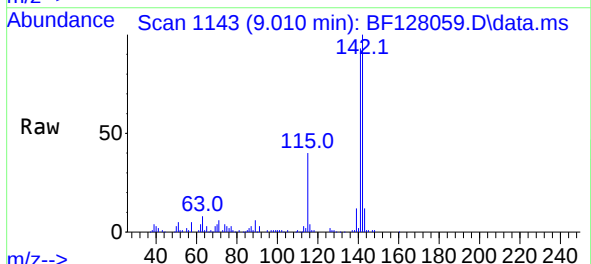
Acq: 03 May 2022 21:35

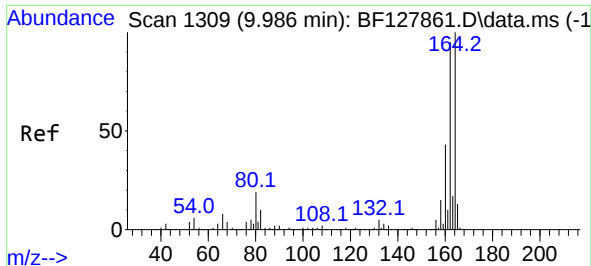
Tgt Ion:142 Resp: 44412

Ion Ratio Lower Upper

142 100

141 92.7 70.1 105.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128059.D

Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

CL-01-050222

Tgt Ion:164 Resp: 136294

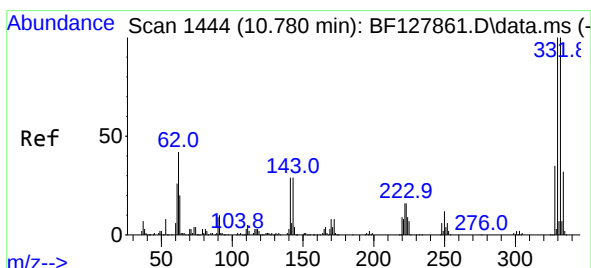
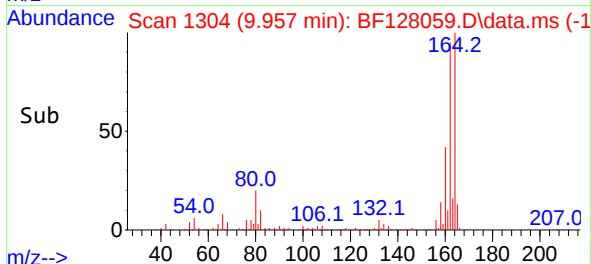
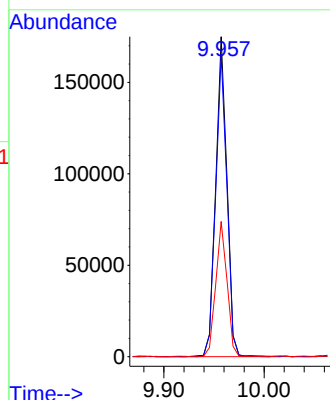
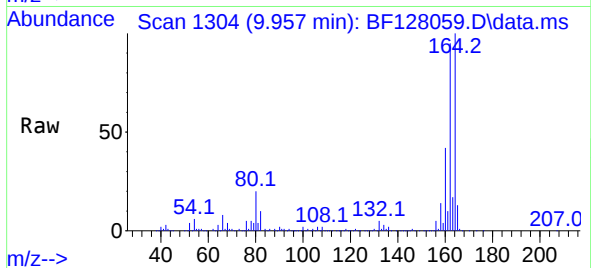
Ion	Ratio	Lower	Upper
164	100		
162	94.6	76.0	114.0
160	42.2	34.8	52.2

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 79.533 ng

RT: 10.751 min Scan# 1439

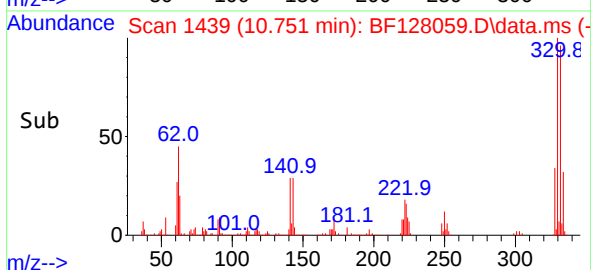
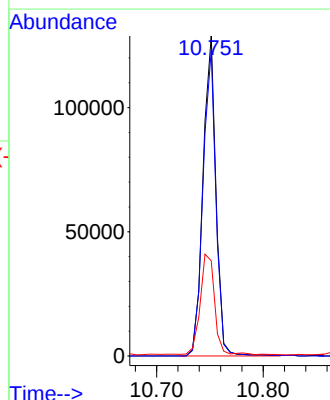
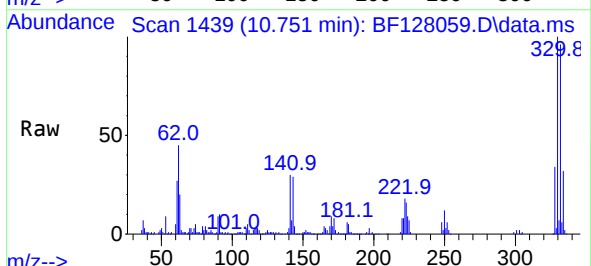
Delta R.T. -0.006 min

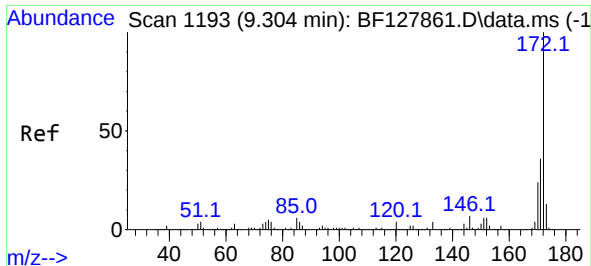
Lab File: BF128059.D

Acq: 03 May 2022 21:35

Tgt Ion:330 Resp: 109121

Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.0	118.4
141	35.4	28.9	43.3





#45

2-Fluorobiphenyl

Concen: 65.527 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF128059.D

Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

CL-01-050222

Tgt Ion:172 Resp: 52791

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

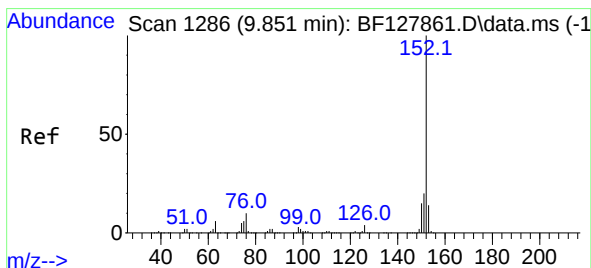
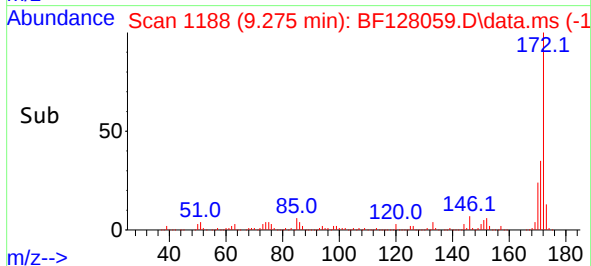
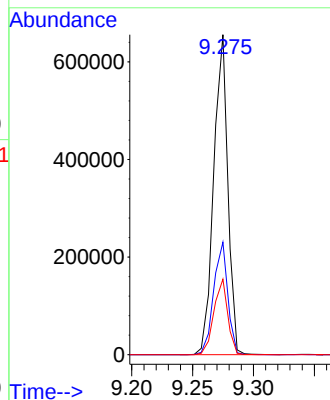
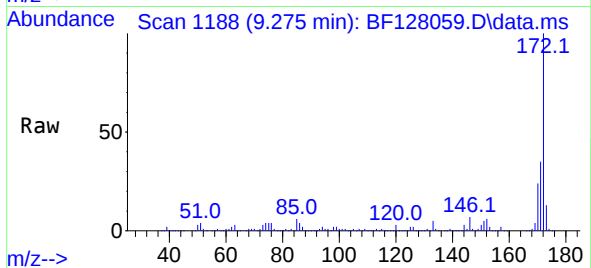
170 23.6 19.1 28.7

Manual Integrations

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#49

Acenaphthylene

Concen: 7.448 ng

RT: 9.822 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF128059.D

Acq: 03 May 2022 21:35

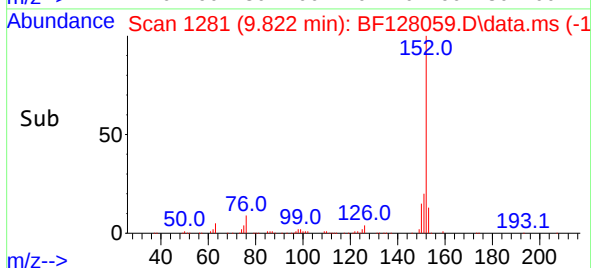
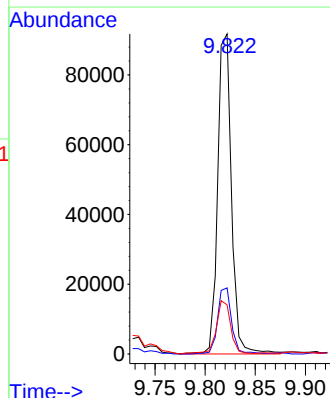
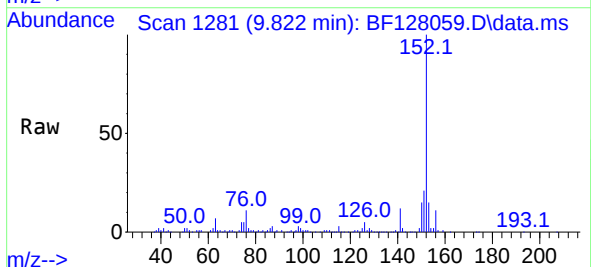
Tgt Ion:152 Resp: 87560

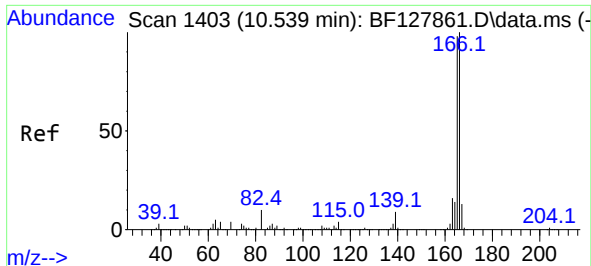
Ion Ratio Lower Upper

152 100

151 20.7 16.2 24.2

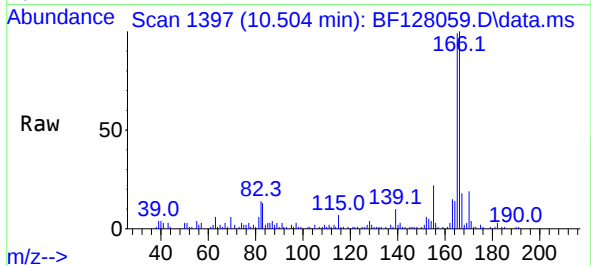
153 15.4 11.2 16.8





#58
Fluorene
Concen: 3.716 ng
RT: 10.504 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

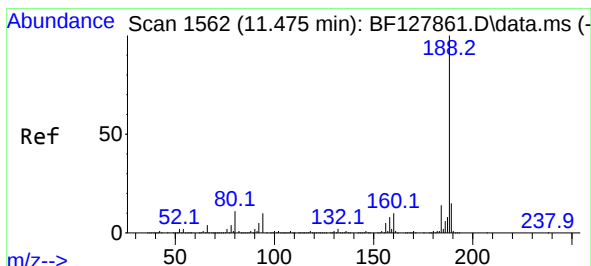
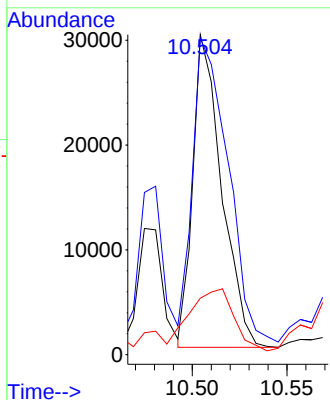
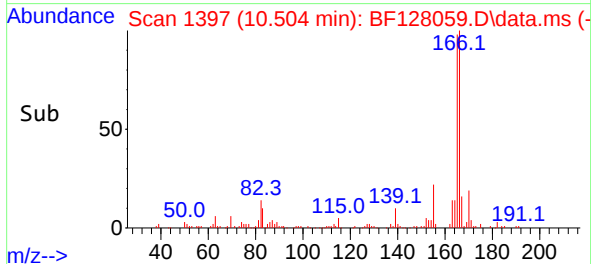
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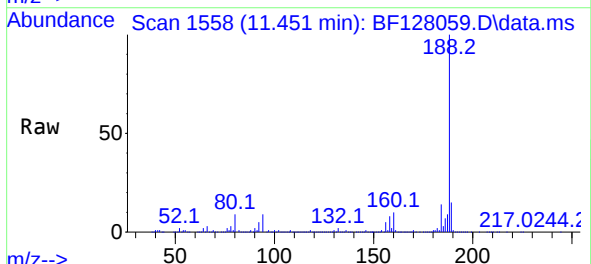
Tgt Ion:166 Resp: 3162
Ion Ratio Lower Upper
166 100
165 98.9 78.6 117.8
167 17.7 10.5 15.7

Manual Integrations
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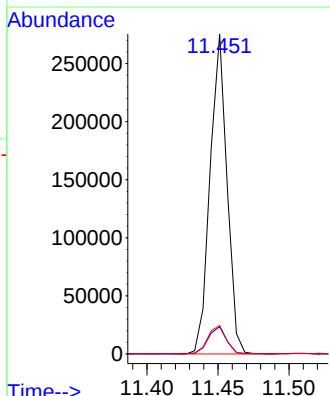
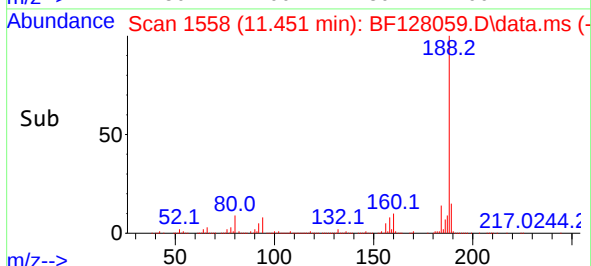
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

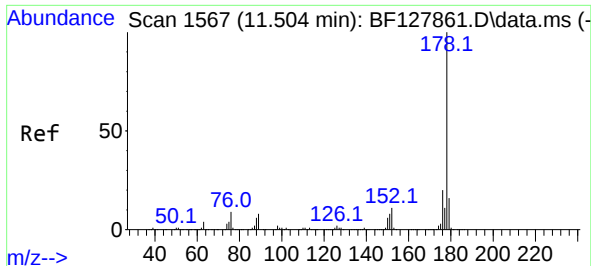


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35



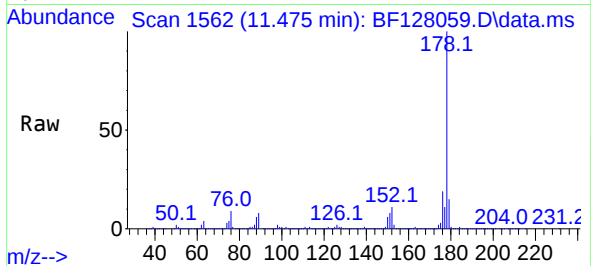
Tgt Ion:188 Resp: 229037
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 8.9 8.9 13.3





#71
Phenanthrene
Concen: 39.638 ng
RT: 11.475 min Scan# 11571
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

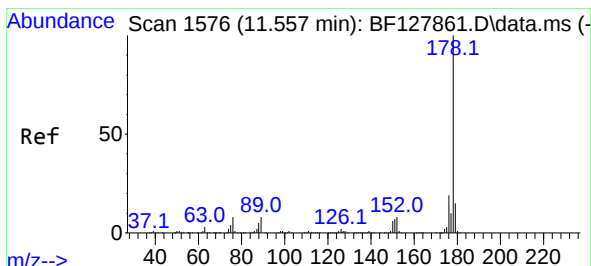
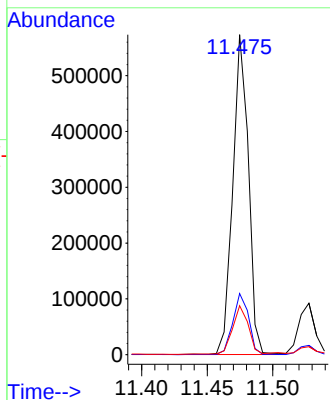
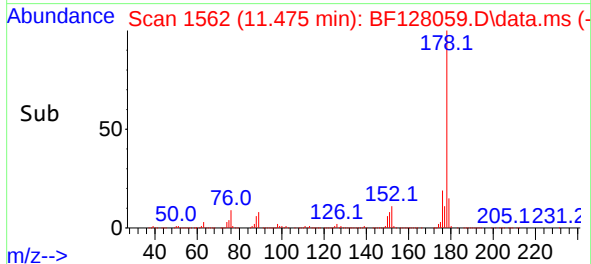
Instrument :
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Tgt Ion:178 Resp: 475220
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.3 12.6 19.0

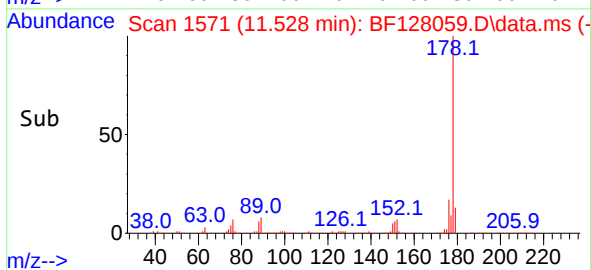
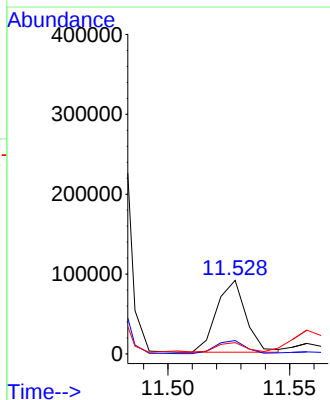
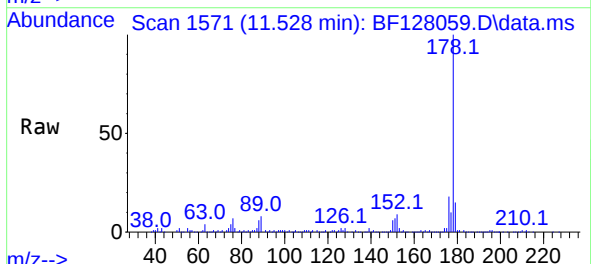
Manual Integrations
APPROVED

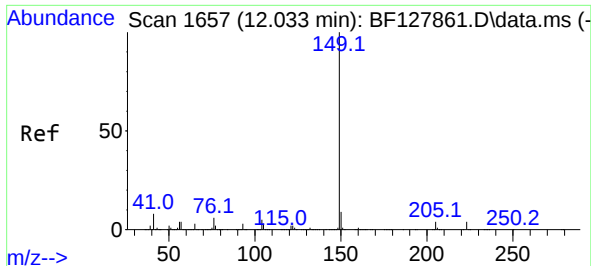
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#72
Anthracene
Concen: 6.326 ng
RT: 11.528 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Tgt Ion:178 Resp: 75556
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 15.4 12.4 18.6





#74
Di-n-butylphthalate
Concen: 4.528 ng
RT: 12.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

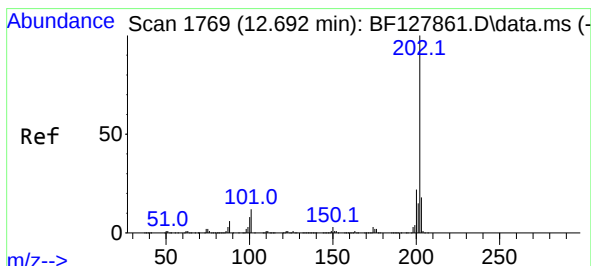
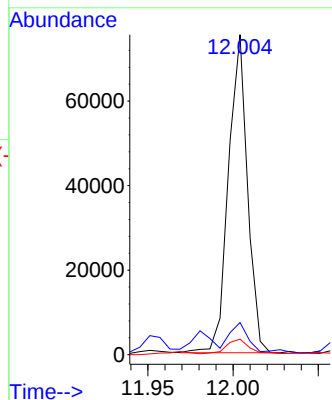
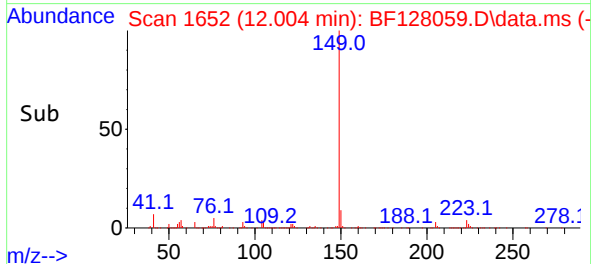
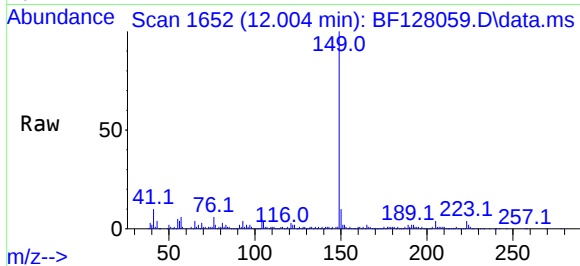
CL-01-050222

Tgt Ion:149 Resp: 5860
Ion Ratio Lower Upper
149 100
150 10.1 7.5 11.3
104 4.8 4.3 6.5

Manual Integrations

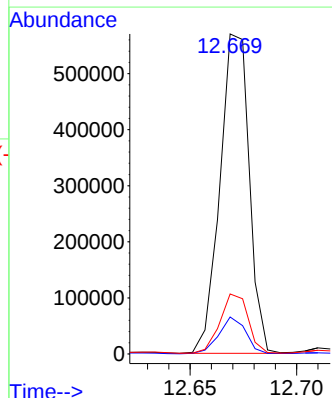
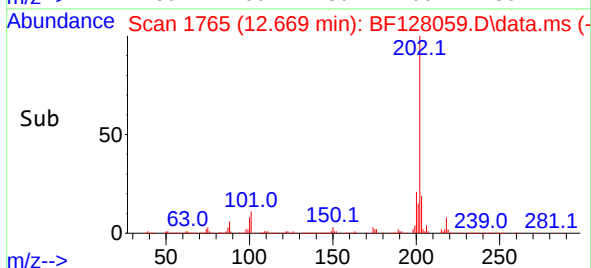
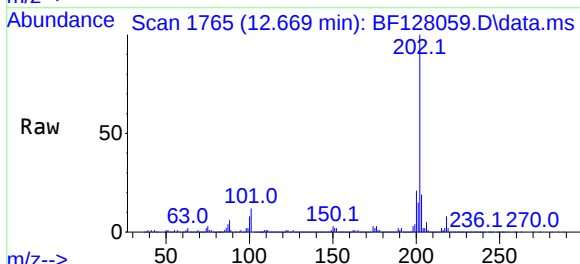
APPROVED

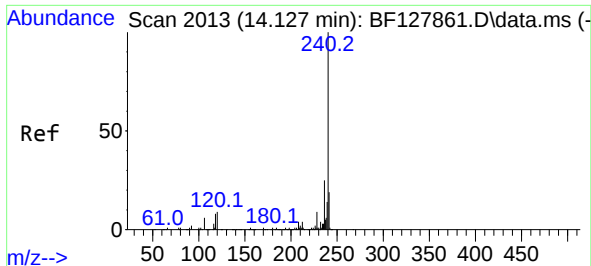
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#75
Fluoranthene
Concen: 43.218 ng
RT: 12.669 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Tgt Ion:202 Resp: 545323
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.6
203 18.7 0.0 38.1





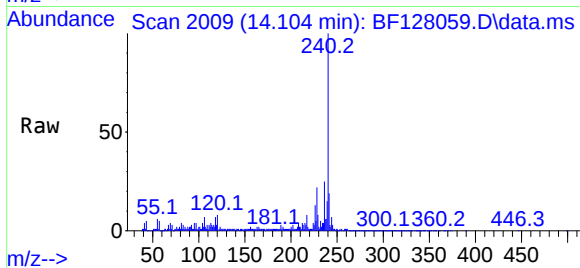
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

CL-01-050222

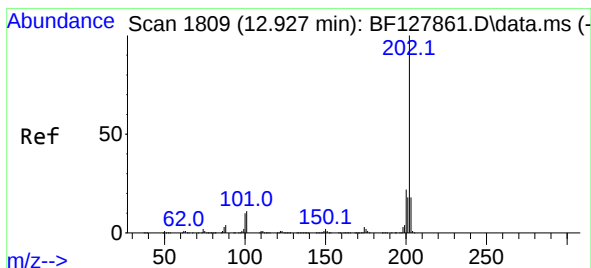
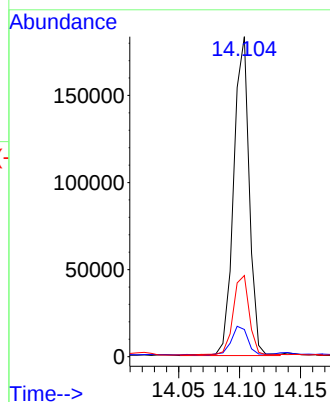
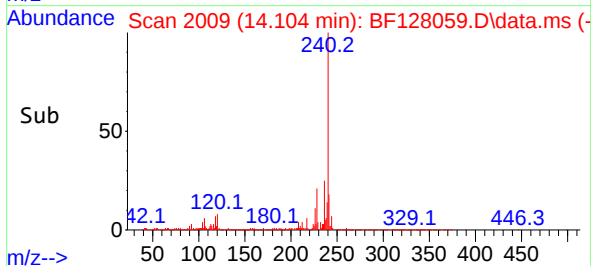


Tgt Ion:240 Resp: 16314
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.4 20.3 30.5

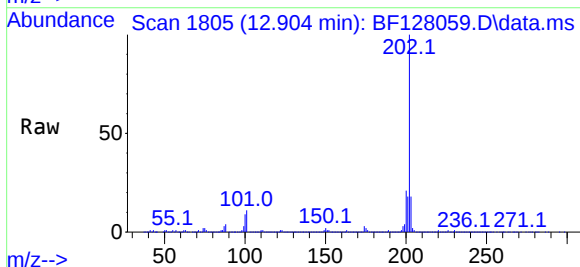
Manual Integrations

APPROVED

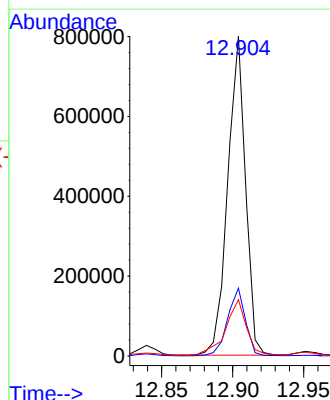
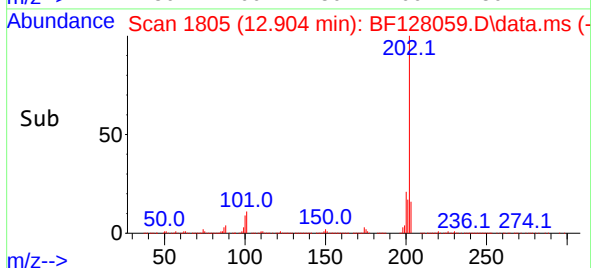
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022

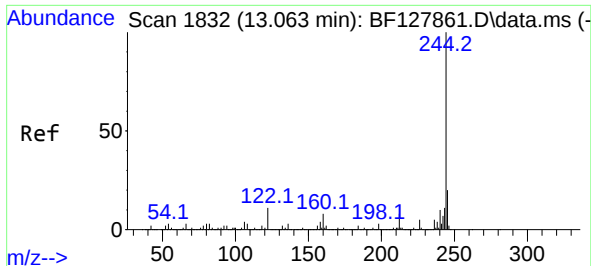


#78
Pyrene
Concen: 52.786 ng
RT: 12.904 min Scan# 1805
Delta R.T. 0.000 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35



Tgt Ion:202 Resp: 695195
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.6 14.0 21.0





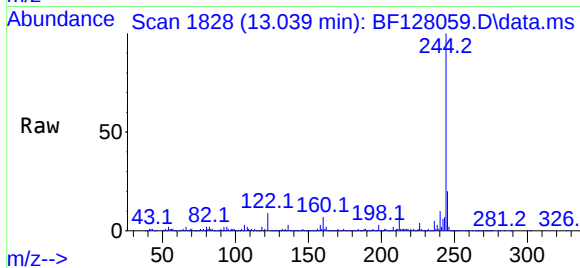
#79
 Terphenyl-d14
 Concen: 57.200 ng
 RT: 13.039 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128059.D
 Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

CL-01-050222

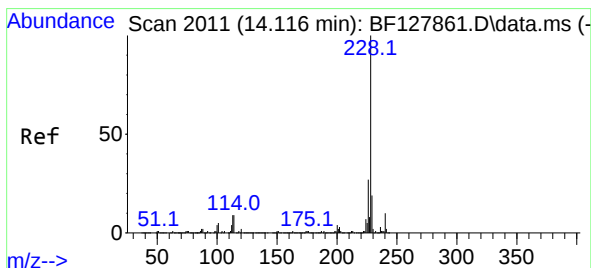
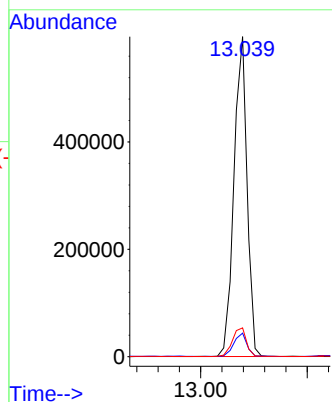
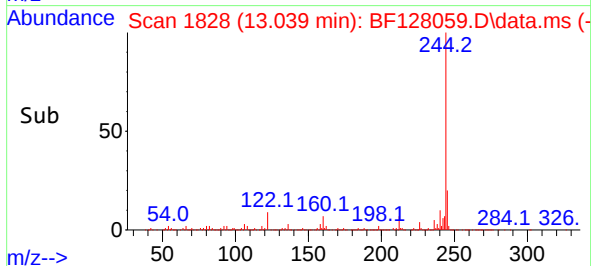


Tgt Ion:244 Resp: 510349
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 9.0 8.6 12.8

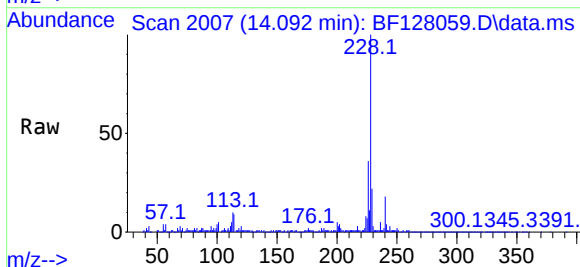
Manual Integrations

APPROVED

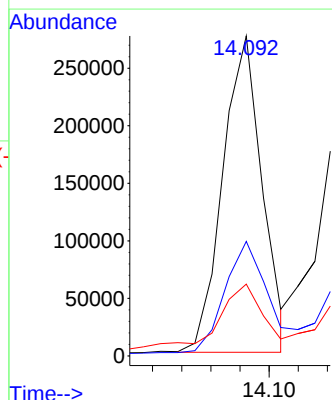
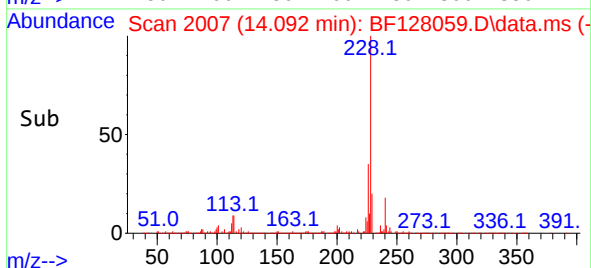
Reviewed By :Christian Giraldo 05/04/2022
 Supervised By :Jagrut Upadhyay 05/04/2022

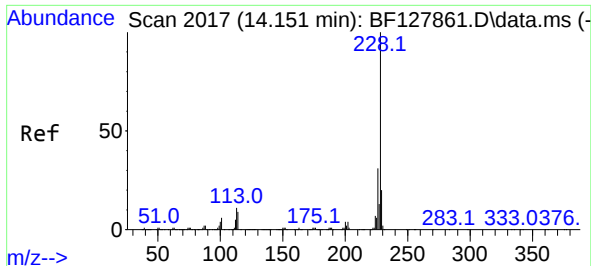


#81
 Benzo(a)anthracene
 Concen: 23.740 ng m
 RT: 14.092 min Scan# 2007
 Delta R.T. 0.000 min
 Lab File: BF128059.D
 Acq: 03 May 2022 21:35



Tgt Ion:228 Resp: 258159
 Ion Ratio Lower Upper
 228 100
 226 35.8 21.7 32.5#
 229 22.4 15.4 23.2





#83
Chrysene
Concen: 29.135 ng
RT: 14.127 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

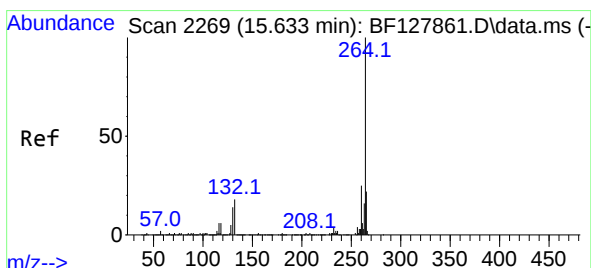
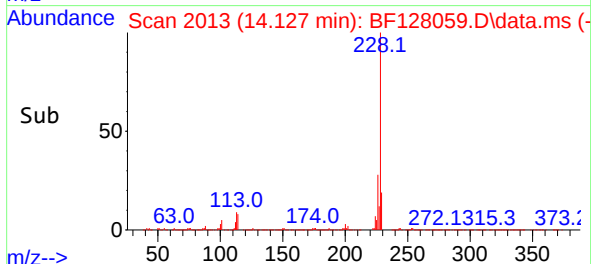
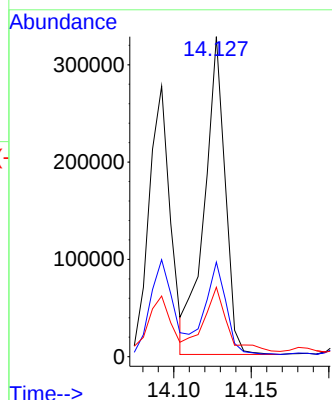
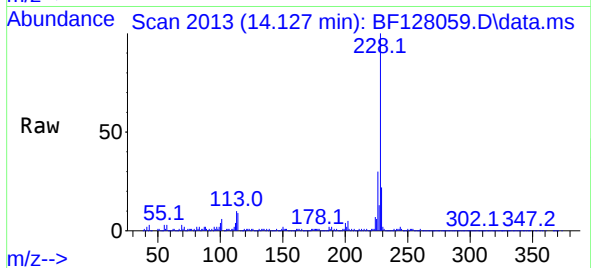
CL-01-050222

Tgt Ion:228 Resp: 30257
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 21.7 15.8 23.8

Manual Integrations

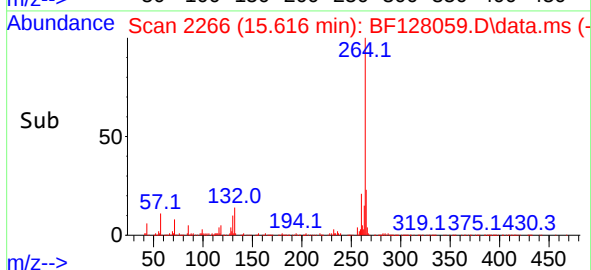
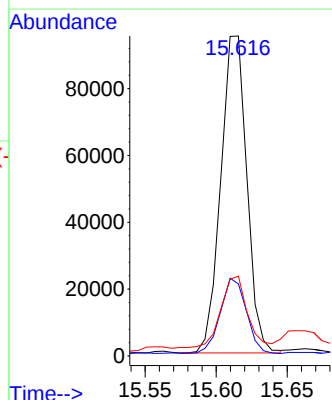
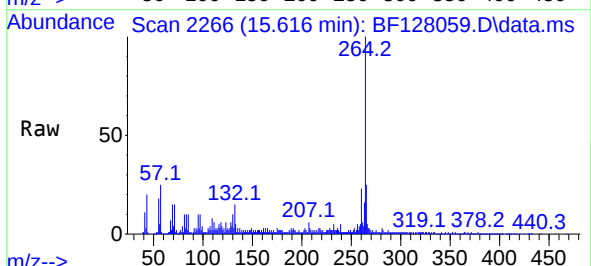
APPROVED

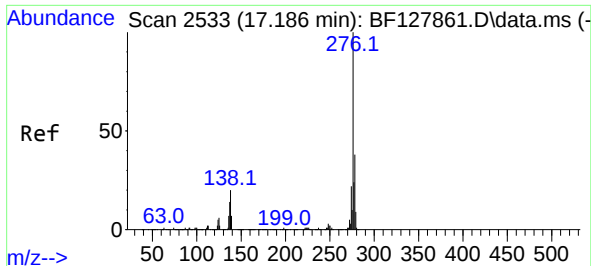
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.616 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Tgt Ion:264 Resp: 121362
Ion Ratio Lower Upper
264 100
260 22.5 20.1 30.1
265 24.9 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.073 ng m
RT: 17.151 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

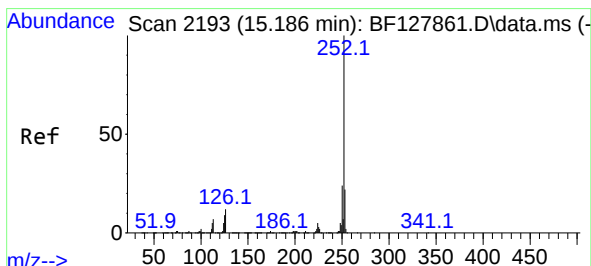
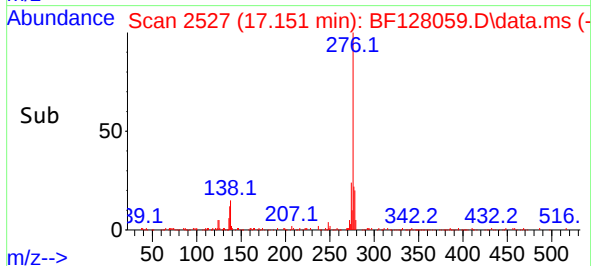
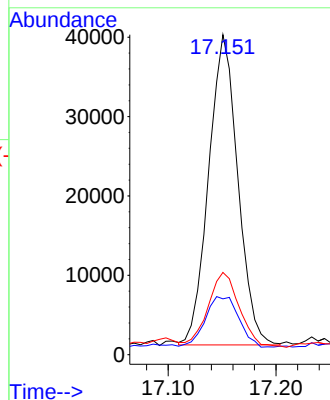
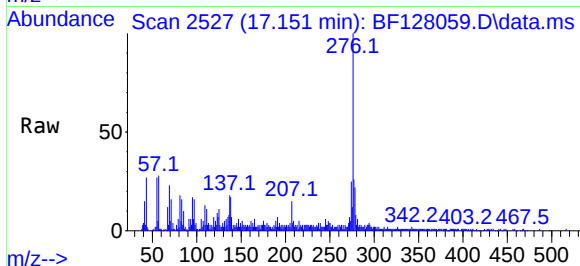
CL-01-050222

Tgt Ion:276 Resp: 73494
Ion Ratio Lower Upper
276 100
138 4.8 19.0 28.4
277 5.9 20.1 30.1

Manual Integrations

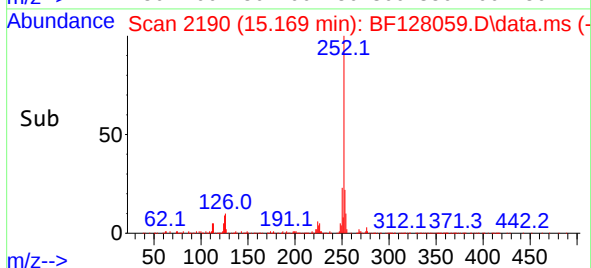
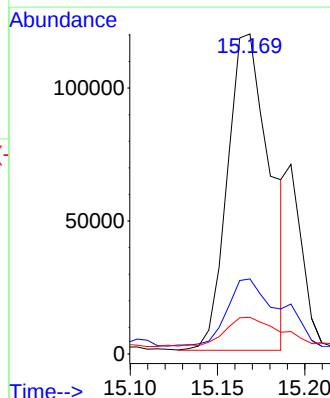
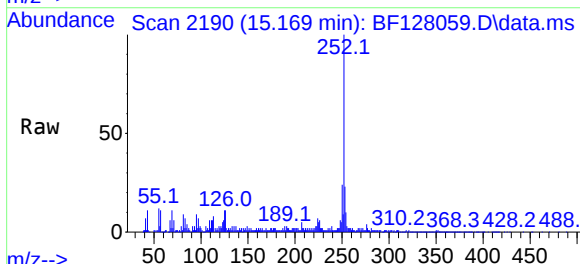
APPROVED

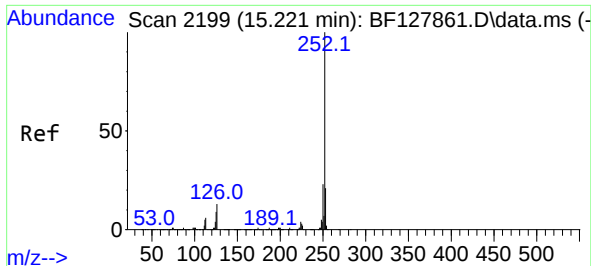
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#88
Benzo(b)fluoranthene
Concen: 26.479 ng m
RT: 15.169 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Tgt Ion:252 Resp: 201838
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 11.5 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 5.952 ng m
RT: 15.192 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Instrument :

BNA_F

ClientSampleId :

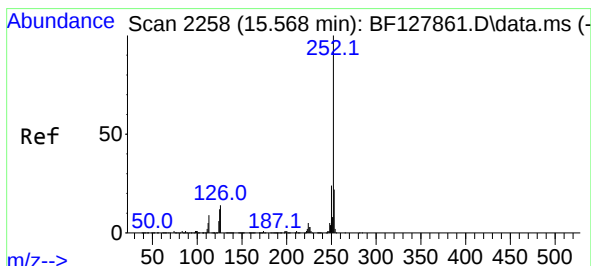
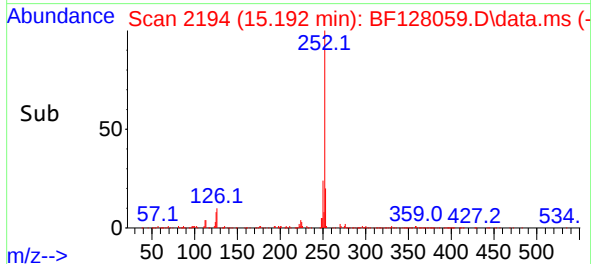
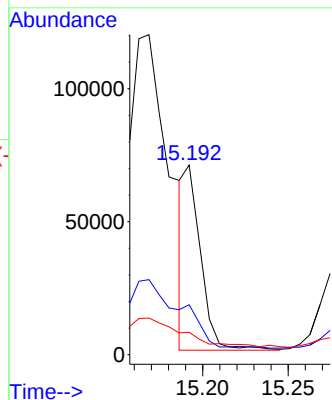
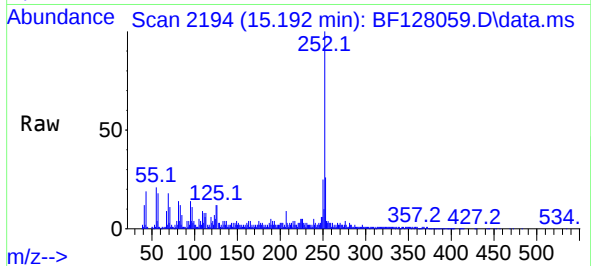
CL-01-050222

Tgt Ion:252 Resp: 45700
Ion Ratio Lower Upper
252 100
253 26.4 17.0 25.4
125 11.8 6.8 10.2

Manual Integrations

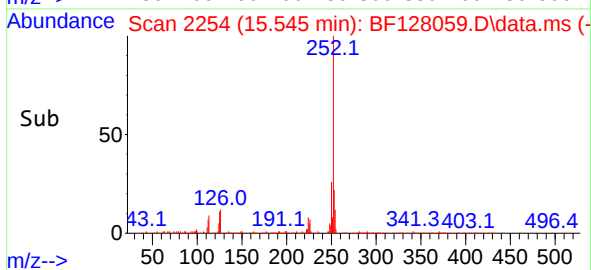
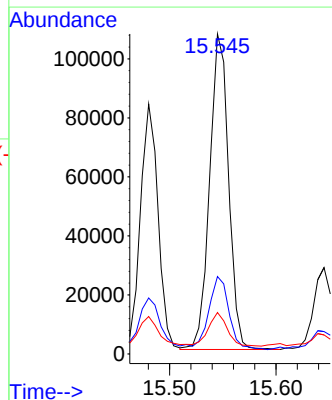
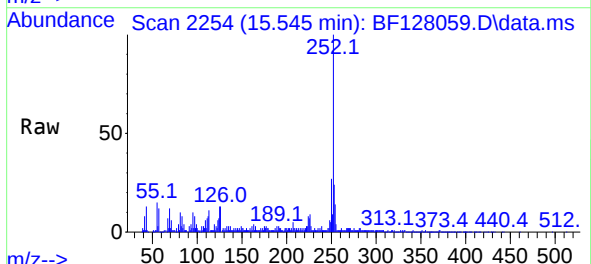
APPROVED

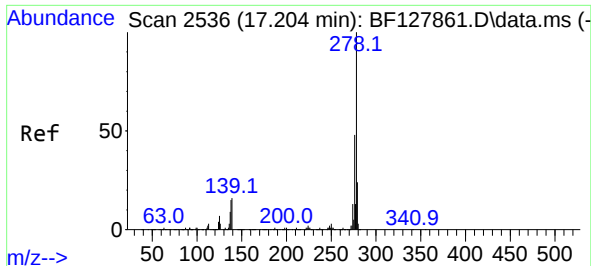
Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#90
Benzo(a)pyrene
Concen: 20.959 ng
RT: 15.545 min Scan# 2254
Delta R.T. -0.006 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Tgt Ion:252 Resp: 132518
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 13.0 9.2 13.8





#91
Dibenzo(a,h)anthracene
Concen: 3.362 ng
RT: 17.157 min Scan# 2184
Delta R.T. -0.018 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Instrument :

BNA_F

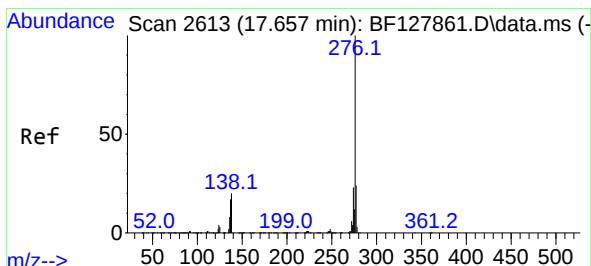
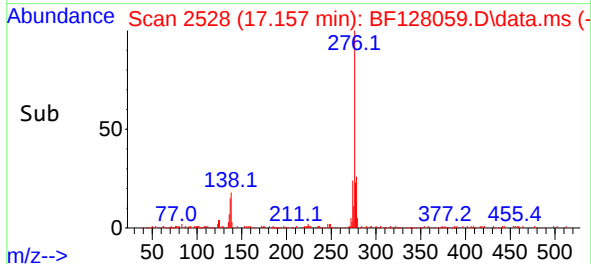
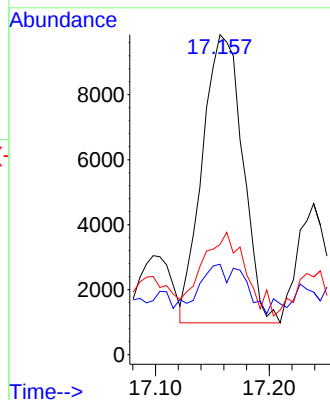
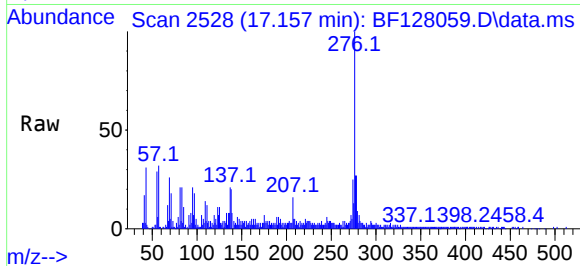
ClientSampleId :

CL-01-050222

Tgt Ion:278 Resp: 2184
Ion Ratio Lower Upper
278 100
139 28.2 12.6 19.0
279 34.4 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/04/2022
Supervised By :Jagrut Upadhyay 05/04/2022



#92
Benzo(g,h,i)perylene
Concen: 11.278 ng
RT: 17.621 min Scan# 2607
Delta R.T. -0.012 min
Lab File: BF128059.D
Acq: 03 May 2022 21:35

Tgt Ion:276 Resp: 77215
Ion Ratio Lower Upper
276 100
277 27.2 18.8 28.2
138 18.7 16.2 24.2

