

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128447.D
 Acq On : 24 May 2022 21:10
 Operator : CG\JU
 Sample : N2981-19 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/25/2022
 Supervised By : Jagrut Upadhyay 05/25/2022

Quant Time: May 25 03:56:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 03:52:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	100049	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	371855	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	188047	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	308419	20.000	ng	0.00
76) Chrysene-d12	14.033	240	184523	20.000	ng	0.00
86) Perylene-d12	15.515	264	145542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	279145	44.401	ng	0.00
7) Phenol-d6	6.481	99	363533	43.912	ng	-0.01
23) Nitrobenzene-d5	7.410	82	238993	28.796	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	72171	37.215	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	379573	33.009	ng	0.00
79) Terphenyl-d14	12.963	244	338052	35.366	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.916	154	53938	5.695	ng	100
55) Dibenzofuran	10.092	168	31097	2.166	ng	97
58) Fluorene	10.433	166	51585	4.584	ng	97
71) Phenanthrene	11.404	178	729579	48.472	ng	100
72) Anthracene	11.457	178	217787	14.559	ng	99
73) Carbazole	11.616	167	90196	6.046	ng	97
75) Fluoranthene	12.604	202	1662839	102.013	ng	99
78) Pyrene	12.839	202	1460900	105.741	ng	99
81) Benzo(a)anthracene	14.021	228	775963	66.096	ng	98
83) Chrysene	14.057	228	605338	54.138	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	322648	38.840	ng	# 94
88) Benzo(b)fluoranthene	15.086	252	788782m	87.123	ng	
89) Benzo(k)fluoranthene	15.110	252	189816m	22.385	ng	
90) Benzo(a)pyrene	15.457	252	515636	70.947	ng	96
91) Dibenzo(a,h)anthracene	17.027	278	83333m	12.502	ng	
92) Benzo(g,h,i)perylene	17.486	276	311169	44.748	ng	98

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

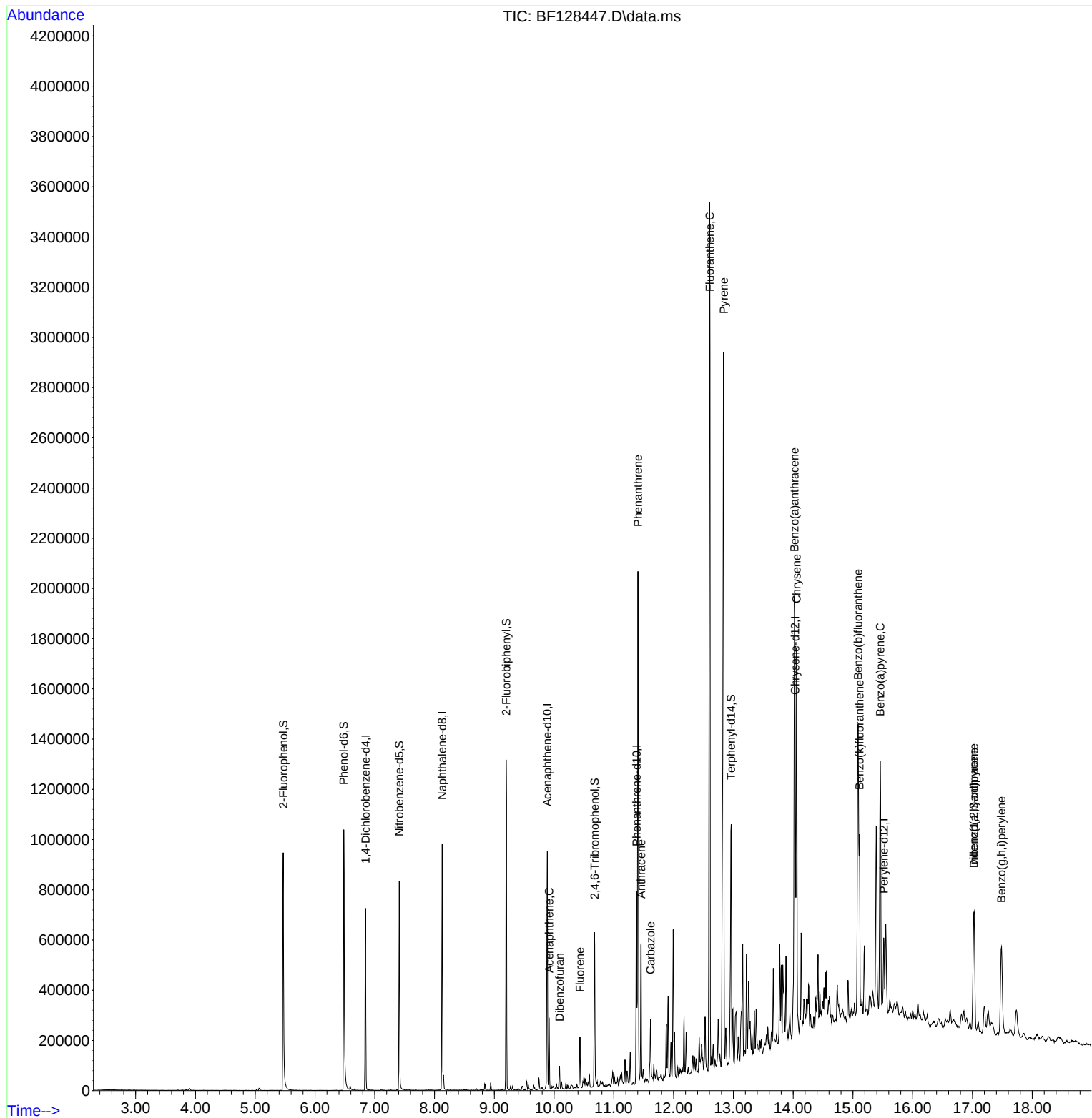
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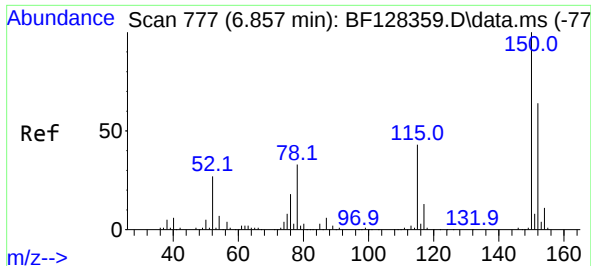
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
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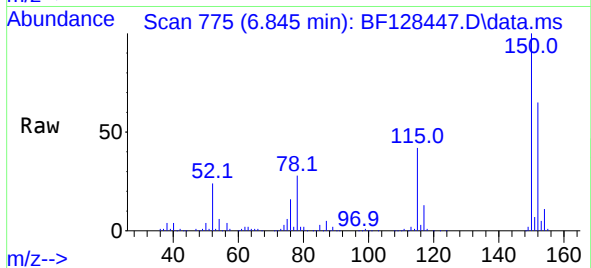
Reviewed By : Christian Giraldo 05/25/2022
Supervised By : Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

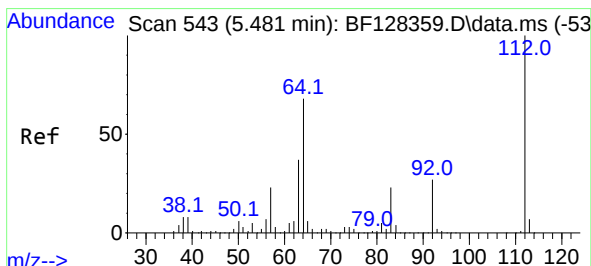
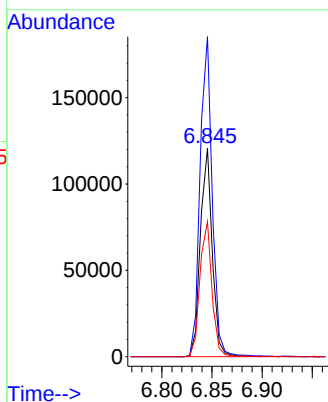
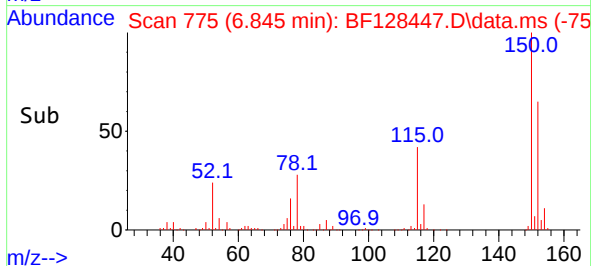
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)



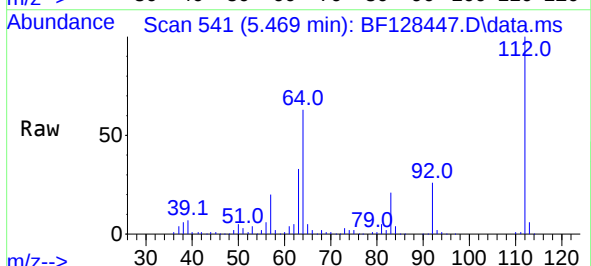
Tgt Ion:152 Resp: 100049
Ion Ratio Lower Upper
152 100
150 153.5 125.3 187.9
115 64.8 48.8 73.2

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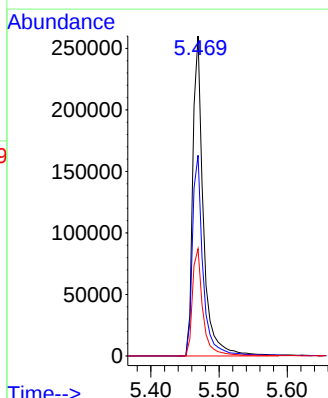
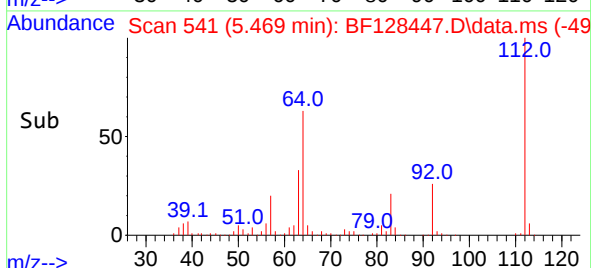
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Supervised By :Jagrut Upadhyay 05/25/2022

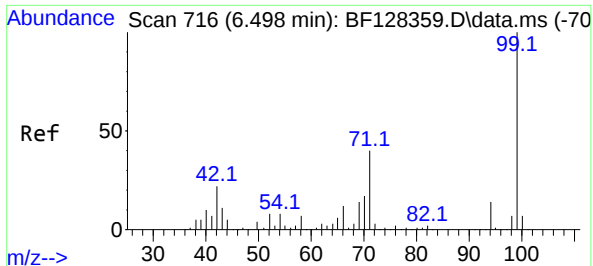


#5
2-Fluorophenol
Concen: 44.401 ng
RT: 5.469 min Scan# 541
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



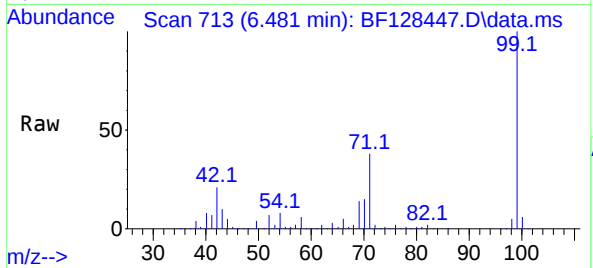
Tgt Ion:112 Resp: 279145
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 33.5 26.3 39.5





#7
Phenol-d6
Concen: 43.912 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

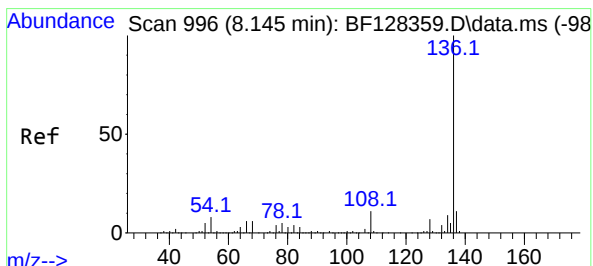
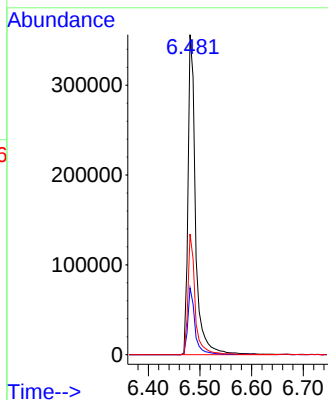
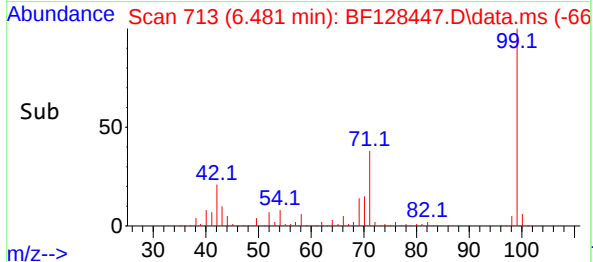
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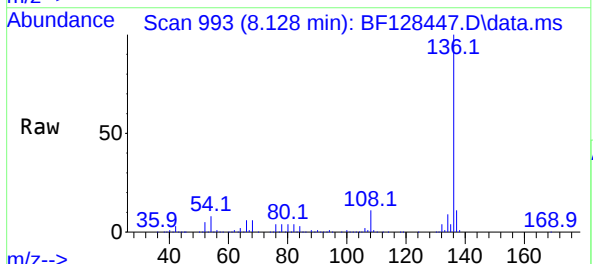
Tgt Ion: 99 Resp: 36353
Ion Ratio Lower Upper
99 100
42 20.9 16.6 24.8
71 37.7 30.0 45.0

Manual Integrations
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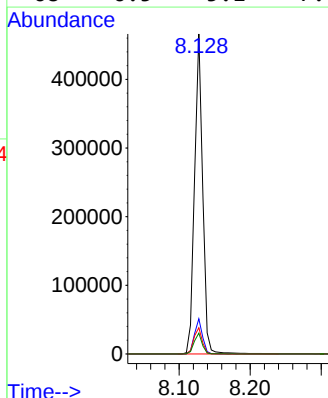
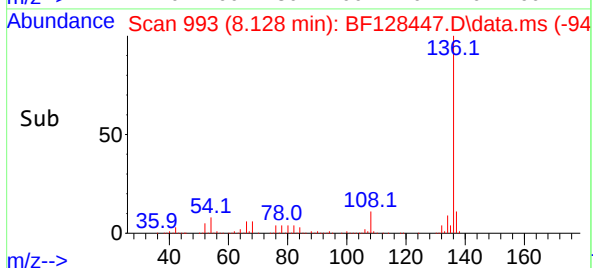
Reviewed By :Christian Giraldo 05/25/2022
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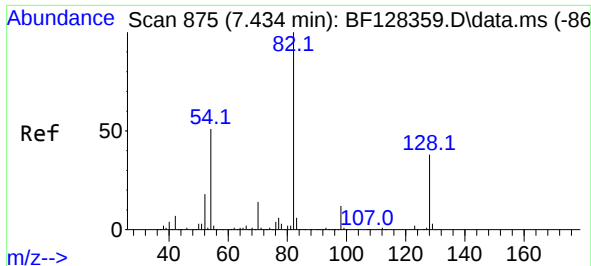


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



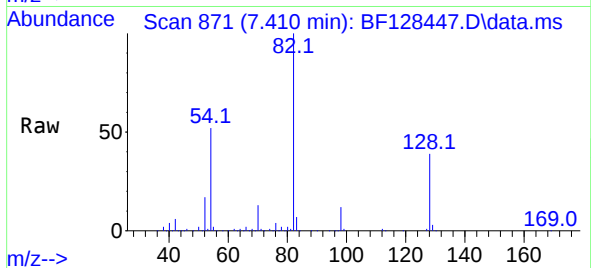
Tgt Ion:136 Resp: 371855
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.8 10.2
68 6.5 5.1 7.7





#23
Nitrobenzene-d5
Concen: 28.796 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

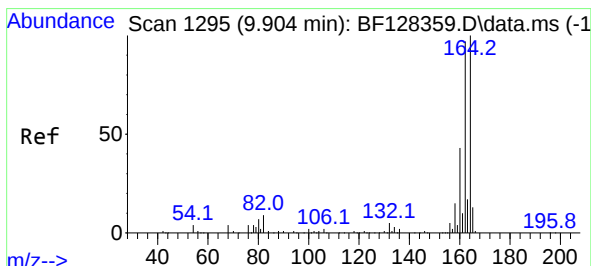
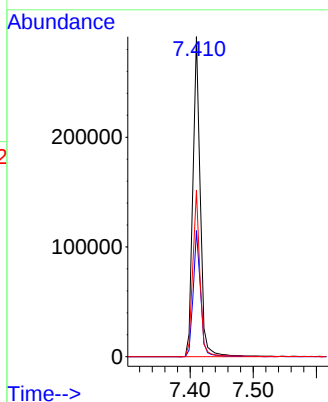
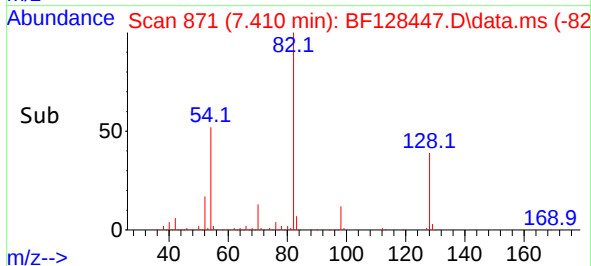
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)



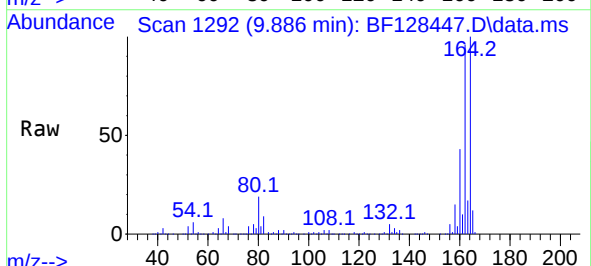
Tgt Ion: 82 Resp: 23899
Ion Ratio Lower Upper
82 100
128 39.4 30.0 45.0
54 52.0 41.3 61.9

Manual Integrations
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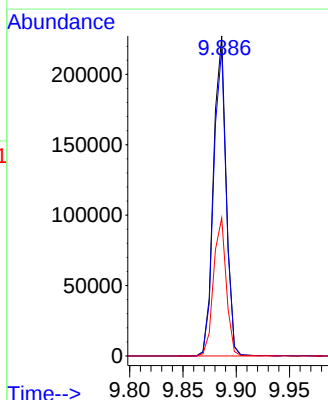
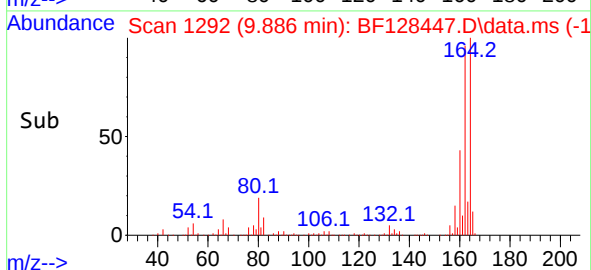
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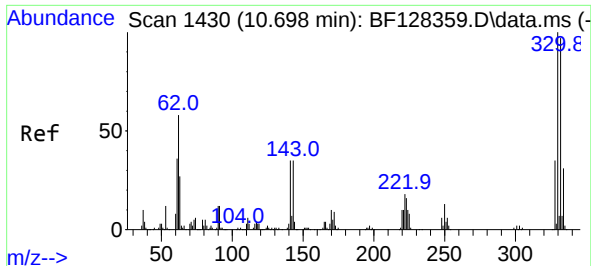


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



Tgt Ion:164 Resp: 188047
Ion Ratio Lower Upper
164 100
162 96.0 76.0 114.0
160 43.1 34.8 52.2





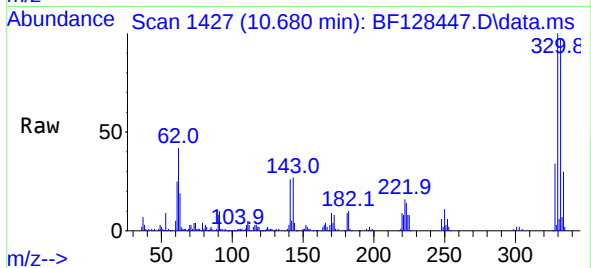
#42
2,4,6-Tribromophenol
Concen: 37.215 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)

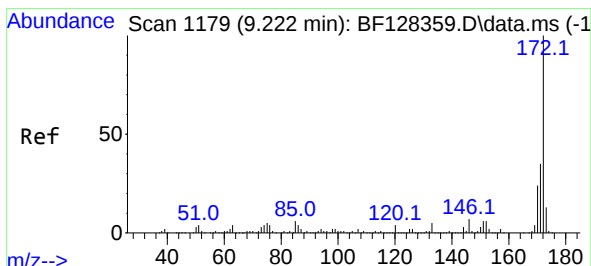
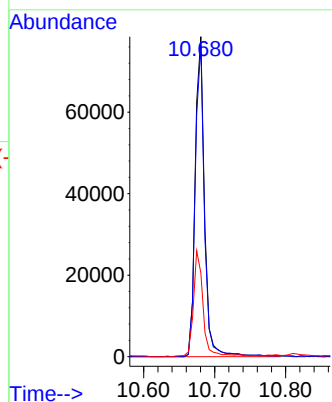
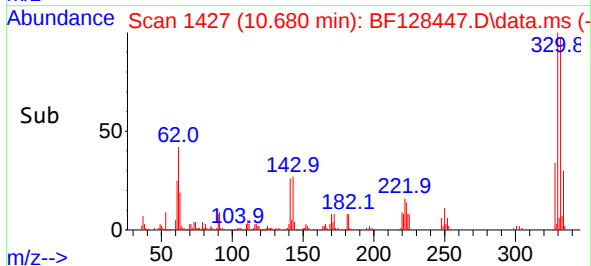


Tgt Ion: 330 Resp: 7217
Ion Ratio Lower Upper
330 100
332 95.2 79.0 118.4
141 34.6 28.9 43.3

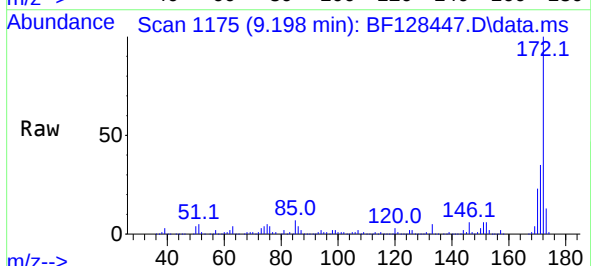
Manual Integrations

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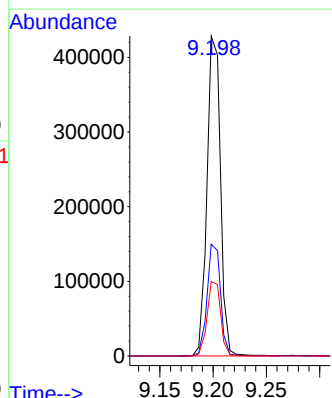
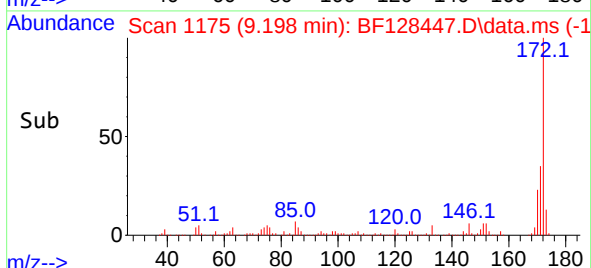
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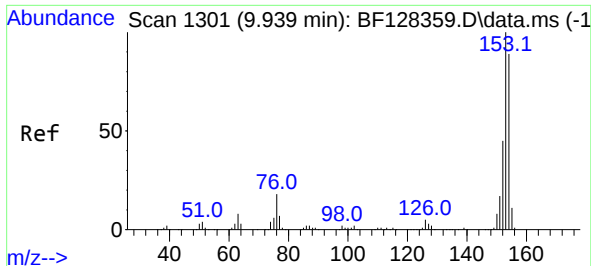


#45
2-Fluorobiphenyl
Concen: 33.009 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



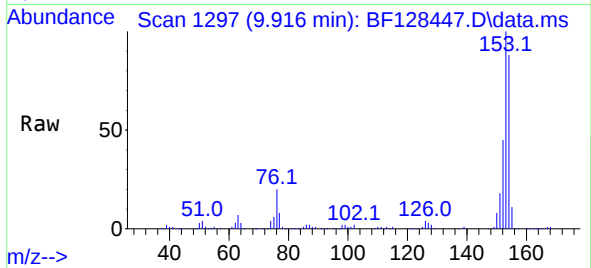
Tgt Ion: 172 Resp: 379573
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.2 19.1 28.7





#52
Acenaphthene
Concen: 5.695 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

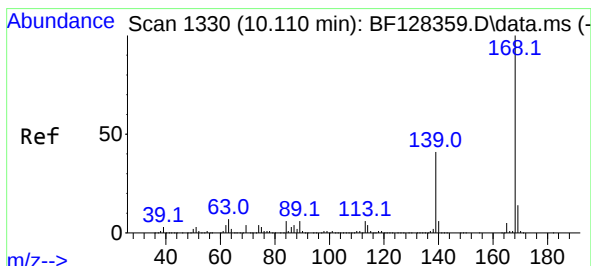
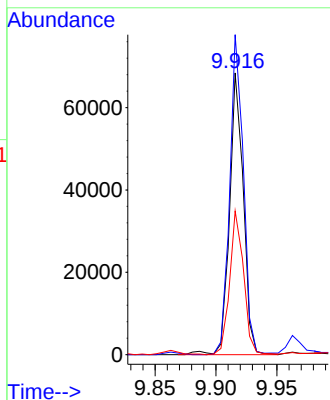
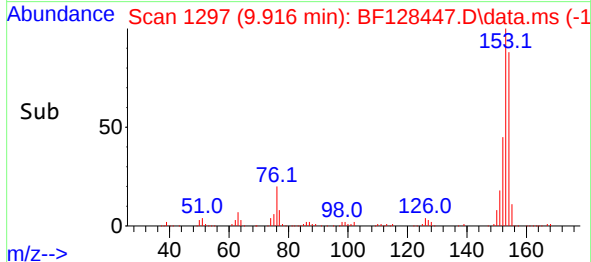
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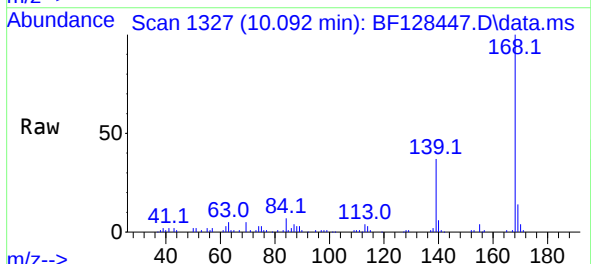
Tgt Ion:154 Resp: 53938
Ion Ratio Lower Upper
154 100
153 113.6 90.5 135.7
152 51.0 41.0 61.6

Manual Integrations
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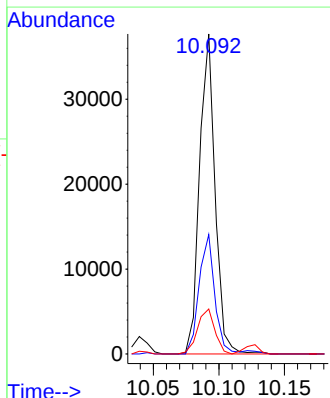
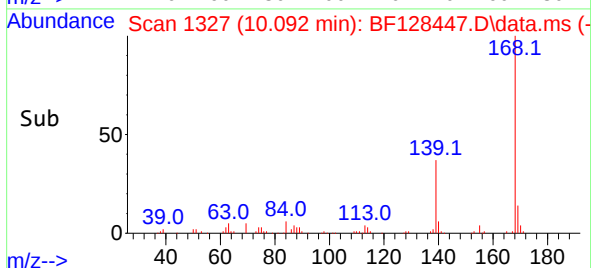
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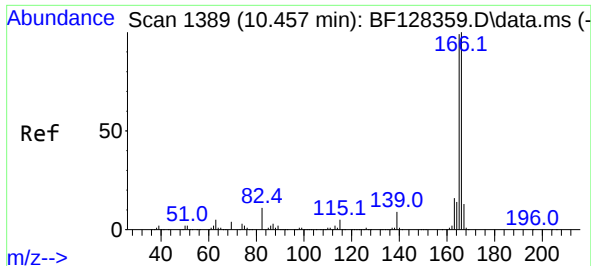


#55
Dibenzofuran
Concen: 2.166 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



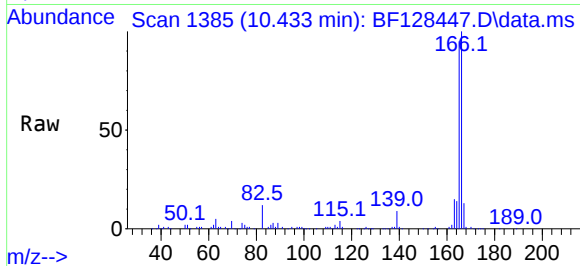
Tgt Ion:168 Resp: 31097
Ion Ratio Lower Upper
168 100
139 37.3 31.7 47.5
169 14.0 10.9 16.3





#58
Fluorene
Concen: 4.584 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

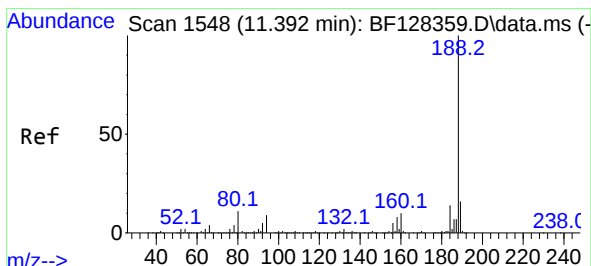
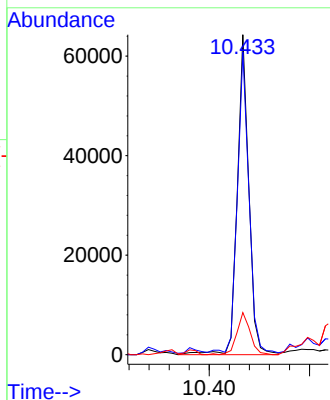
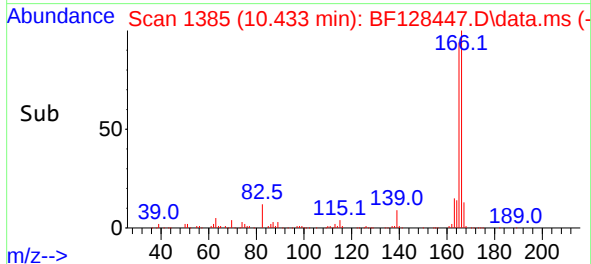
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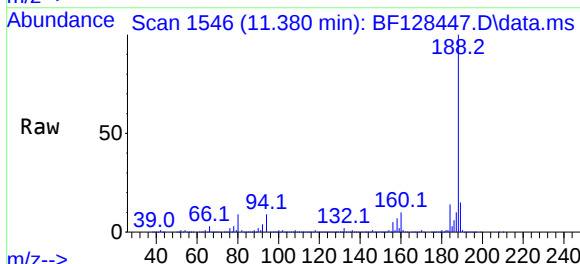
Tgt Ion:166 Resp: 5158
Ion Ratio Lower Upper
166 100
165 94.6 78.6 117.8
167 13.2 10.5 15.7

Manual Integrations
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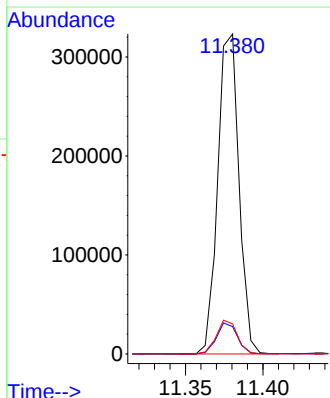
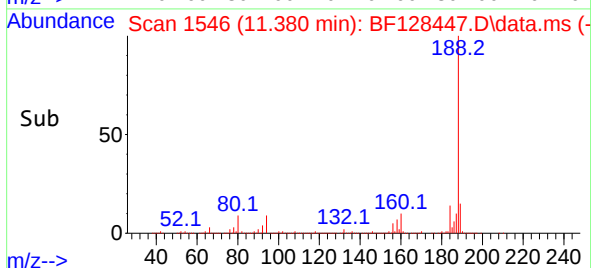
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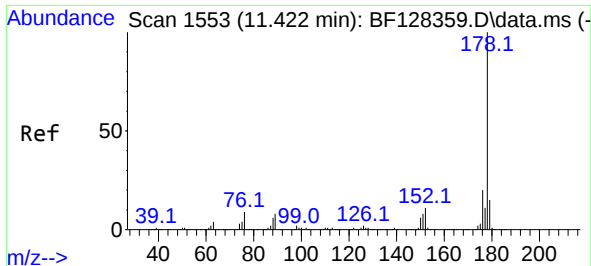


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



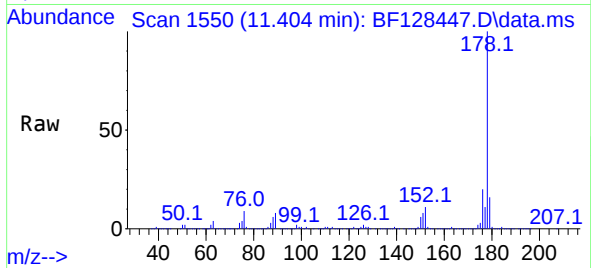
Tgt Ion:188 Resp: 308419
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 9.4 8.9 13.3





#71
Phenanthrene
Concen: 48.472 ng
RT: 11.404 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

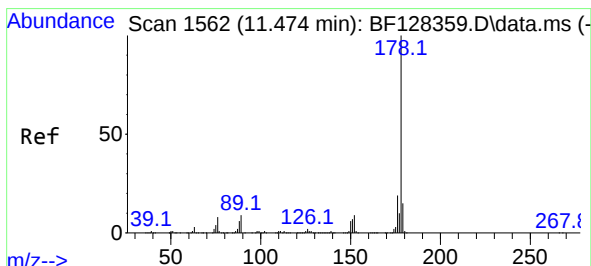
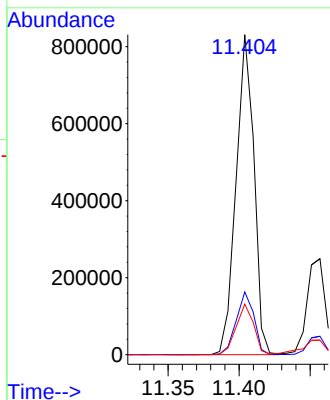
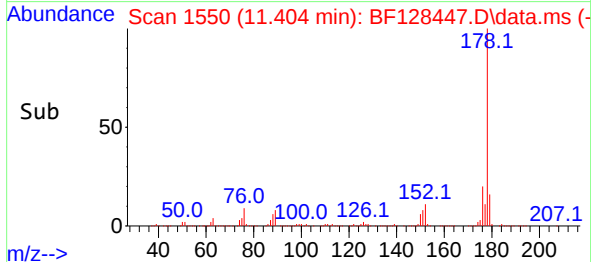
Instrument :
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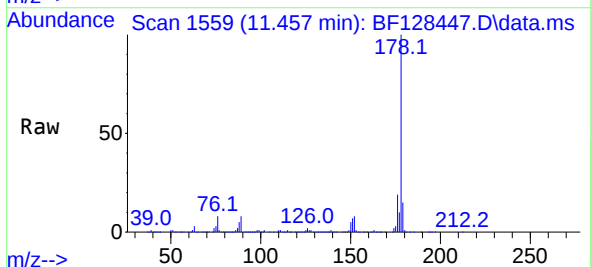
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Ion Ratio Lower Upper
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176 19.6 15.7 23.5
179 15.8 12.6 19.0

Manual Integrations
APPROVED

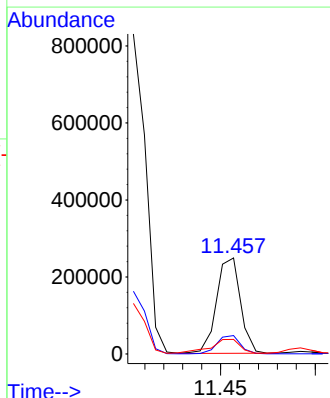
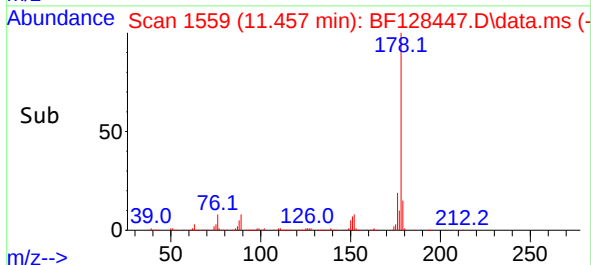
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

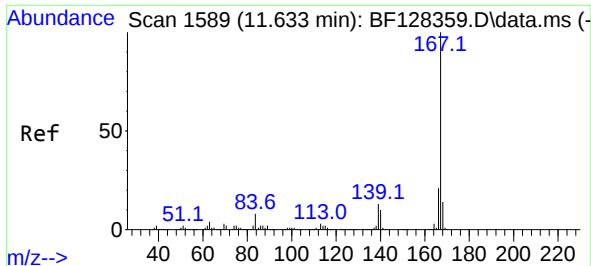


#72
Anthracene
Concen: 14.559 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



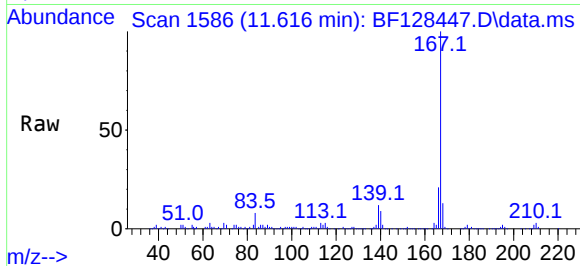
Tgt Ion:178 Resp: 217787
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.6
179 15.1 12.4 18.6





#73
 Carbazole
 Concen: 6.046 ng
 RT: 11.616 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10

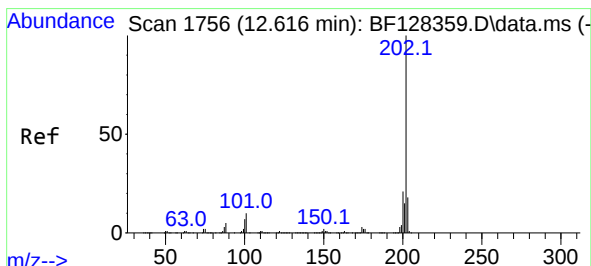
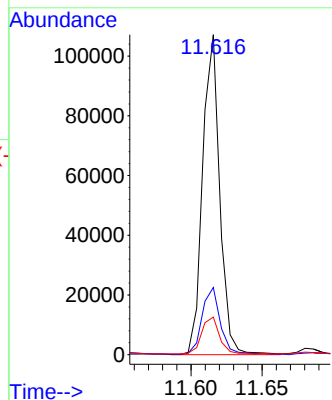
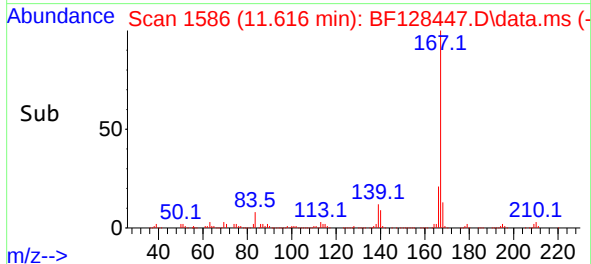
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)



Tgt Ion:167 Resp: 90190
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 11.7 10.7 16.1

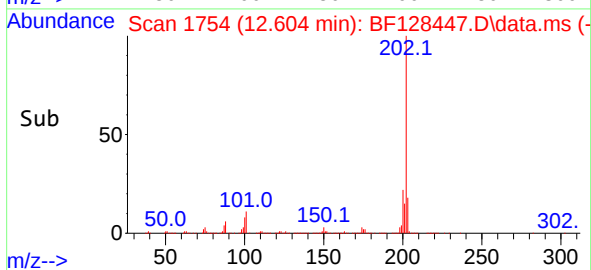
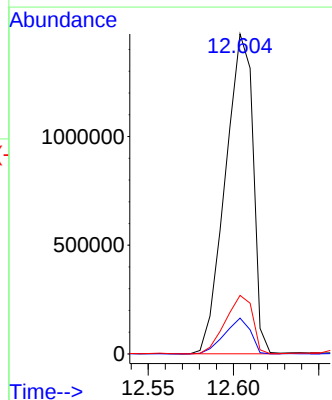
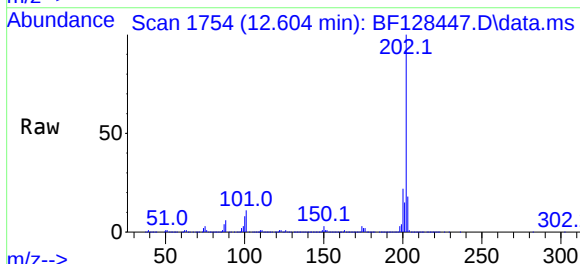
Manual Integrations
 APPROVED

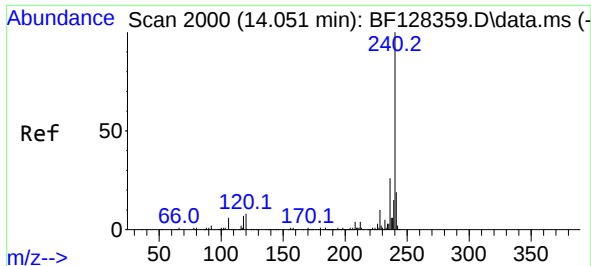
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022



#75
 Fluoranthene
 Concen: 102.013 ng
 RT: 12.604 min Scan# 1754
 Delta R.T. 0.006 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10

Tgt Ion:202 Resp: 1662839
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.6
 203 18.3 0.0 38.1





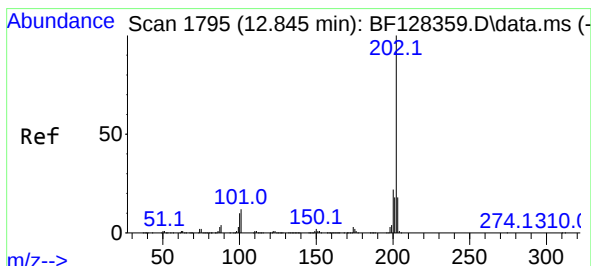
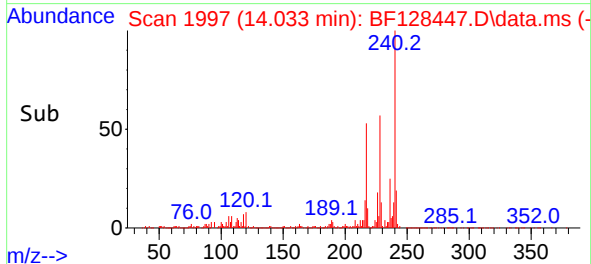
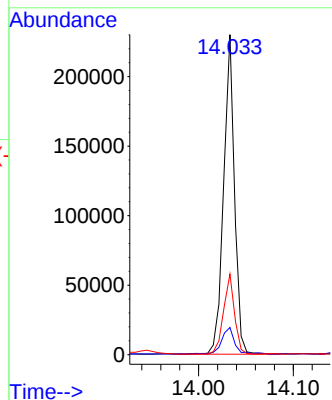
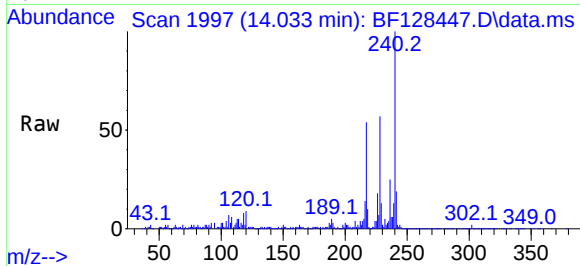
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)

Tgt Ion:240 Resp: 18452
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.6
236 25.2 20.3 30.5

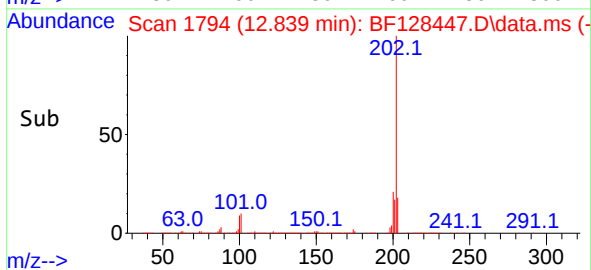
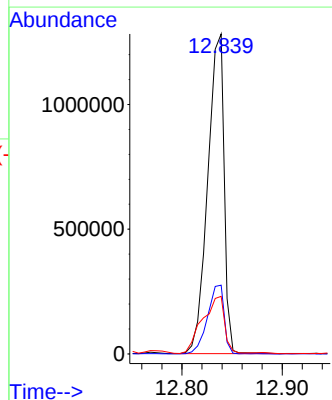
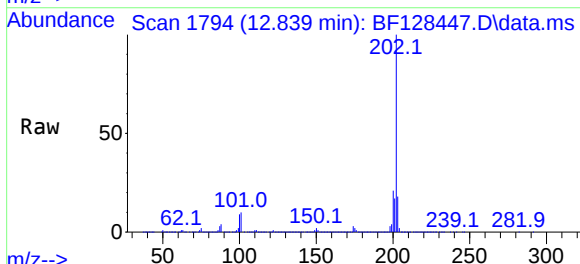
Manual Integrations
APPROVED

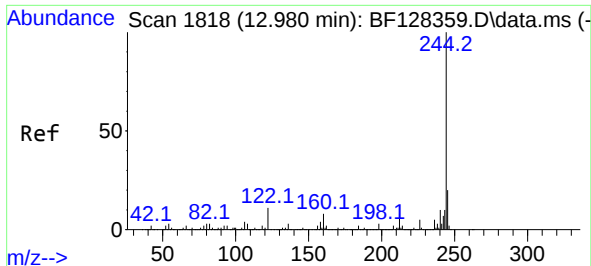
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#78
Pyrene
Concen: 105.741 ng
RT: 12.839 min Scan# 1794
Delta R.T. 0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

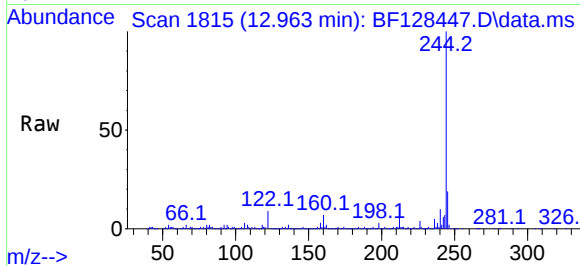
Tgt Ion:202 Resp: 1460900
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 18.0 14.0 21.0





#79
 Terphenyl-d14
 Concen: 35.366 ng
 RT: 12.963 min Scan# 1815
 Delta R.T. -0.000 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10

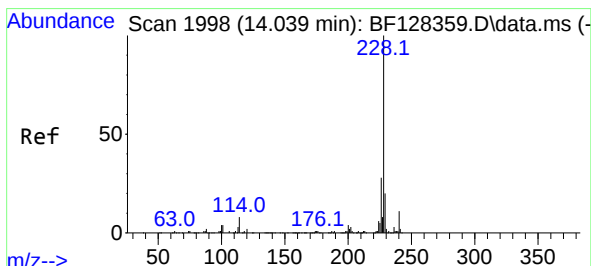
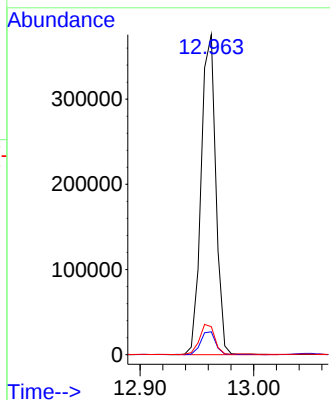
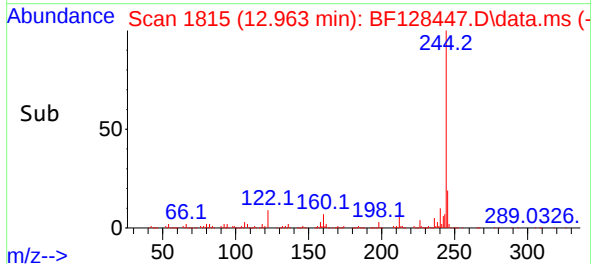
Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0.5-1)



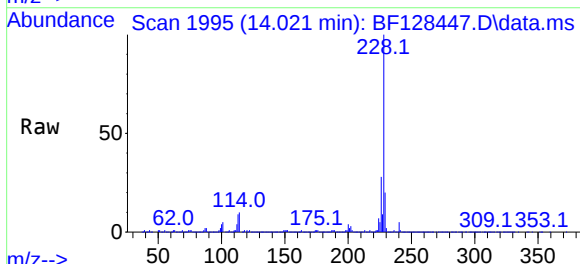
Tgt Ion:244 Resp: 338052
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 8.8 8.6 12.8

Manual Integrations
 APPROVED

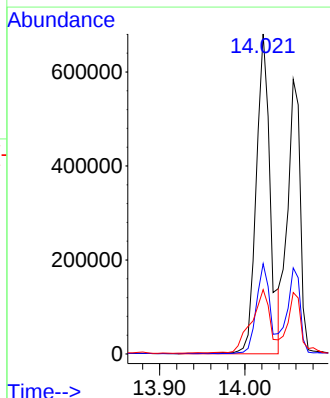
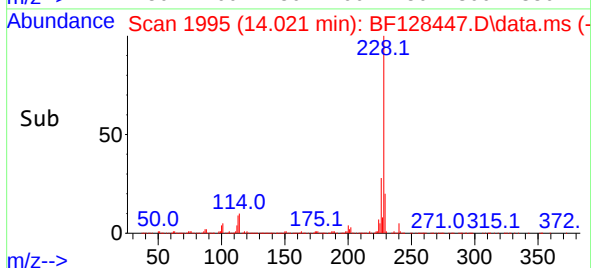
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

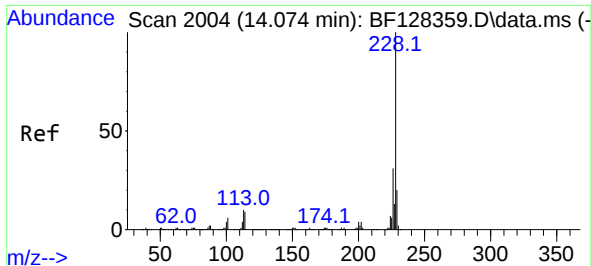


#81
 Benzo(a)anthracene
 Concen: 66.096 ng
 RT: 14.021 min Scan# 1995
 Delta R.T. -0.000 min
 Lab File: BF128447.D
 Acq: 24 May 2022 21:10



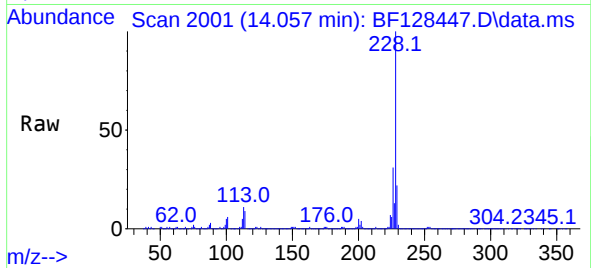
Tgt Ion:228 Resp: 775963
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 20.1 15.4 23.2





#83
Chrysene
Concen: 54.138 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

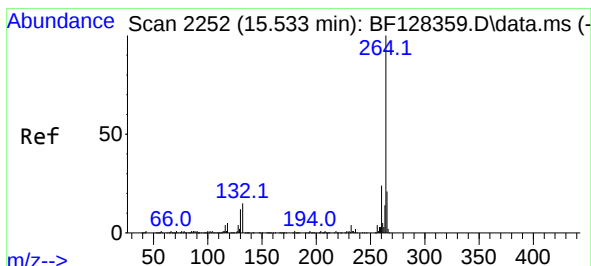
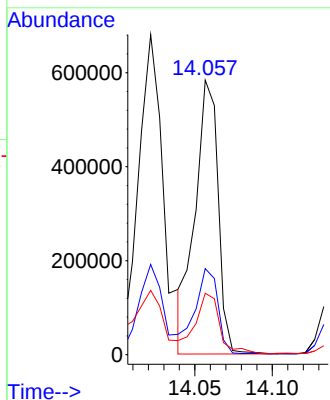
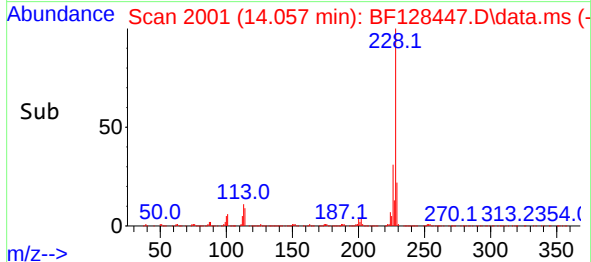
Instrument :
BNA_F
ClientSampleId :
SB-6(0.5-1)



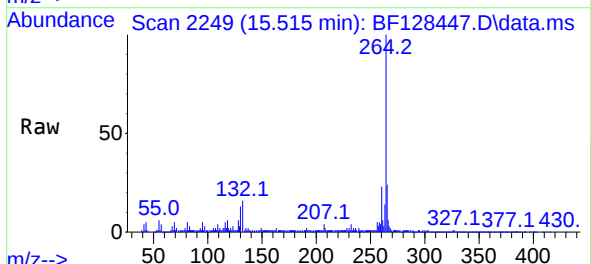
Tgt Ion:228 Resp: 605338
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 22.4 15.8 23.8

Manual Integrations
APPROVED

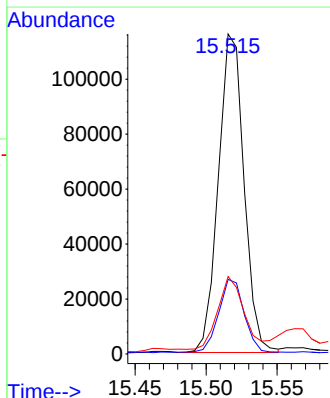
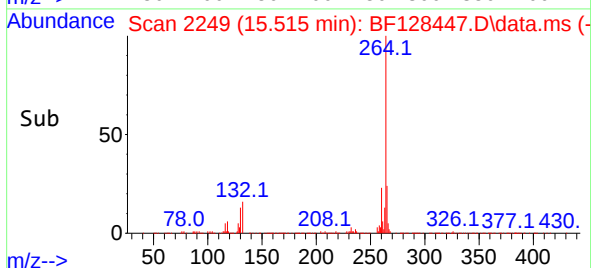
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

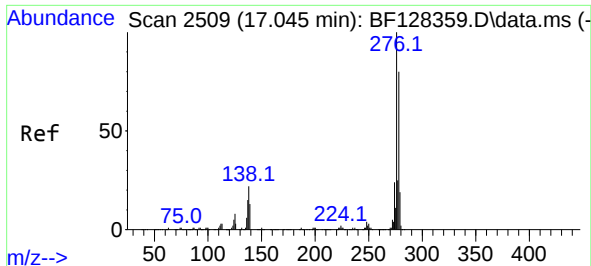


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2249
Delta R.T. 0.006 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10



Tgt Ion:264 Resp: 145542
Ion Ratio Lower Upper
264 100
260 23.3 20.1 30.1
265 24.2 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.840 ng
RT: 17.027 min Scan# 2176
Delta R.T. 0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

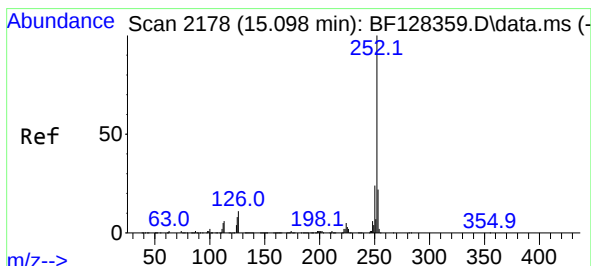
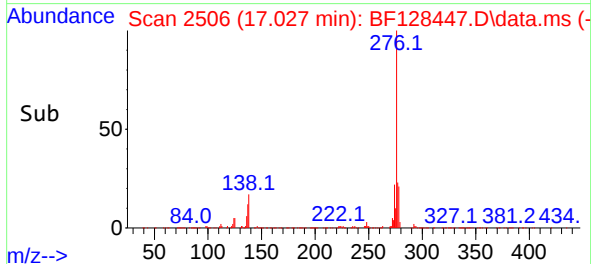
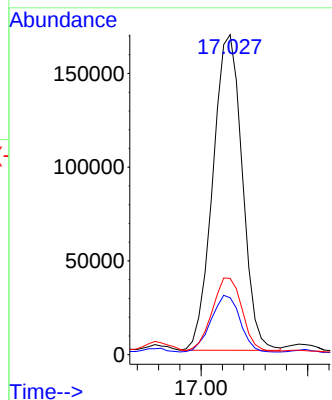
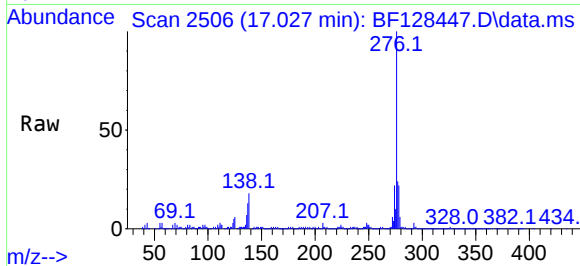
SB-6(0.5-1)

Tgt Ion:276 Resp: 322648
Ion Ratio Lower Upper
276 100
138 18.5 19.0 28.4
277 23.9 20.1 30.1

Manual Integrations

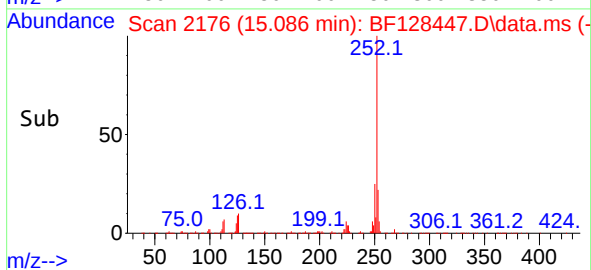
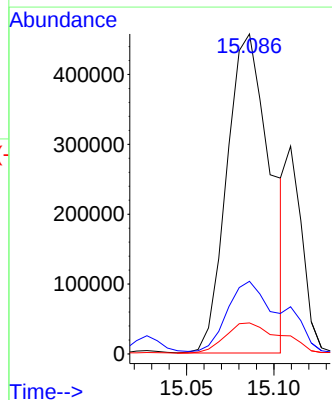
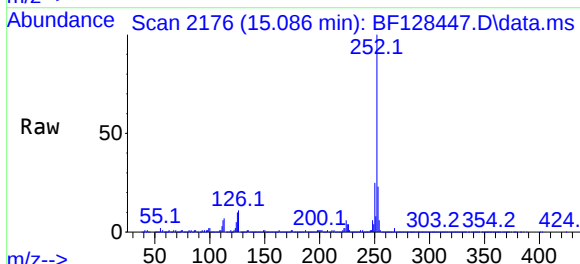
APPROVED

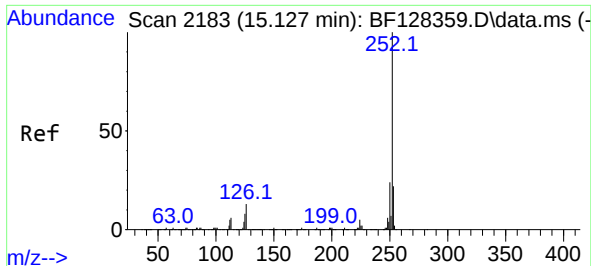
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#88
Benzo(b)fluoranthene
Concen: 87.123 ng m
RT: 15.086 min Scan# 2176
Delta R.T. 0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:252 Resp: 788782
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 9.7 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 22.385 ng m

RT: 15.110 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

Instrument :

BNA_F

ClientSampleId :

SB-6(0.5-1)

Tgt Ion:252 Resp: 189810

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.4

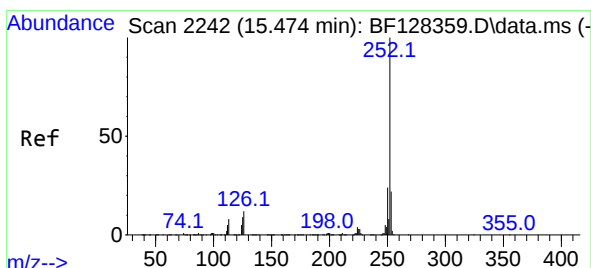
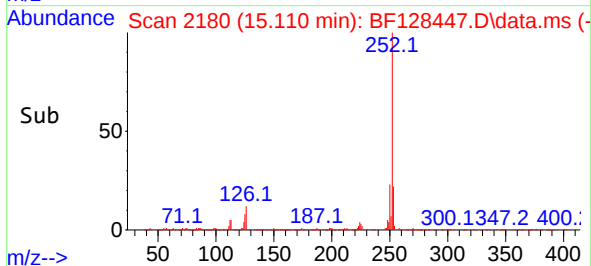
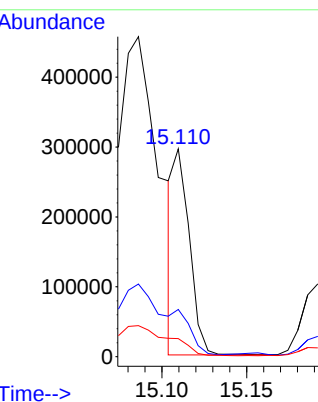
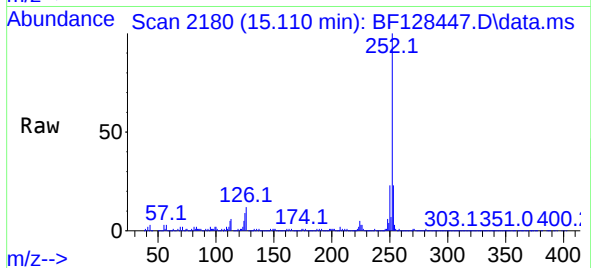
125 8.7 6.8 10.2

Manual Integrations

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Reviewed By :Christian Giraldo 05/25/2022

Supervised By :Jagrut Upadhyay 05/25/2022



#90

Benzo(a)pyrene

Concen: 70.947 ng

RT: 15.457 min Scan# 2239

Delta R.T. 0.006 min

Lab File: BF128447.D

Acq: 24 May 2022 21:10

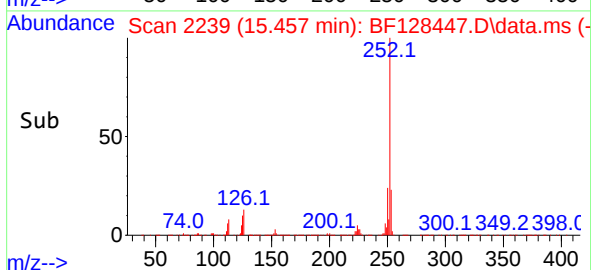
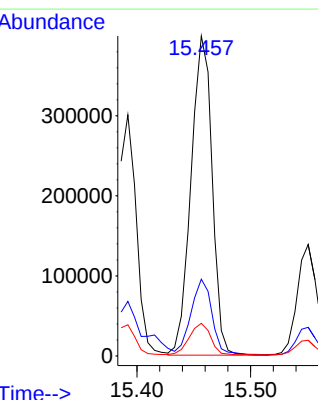
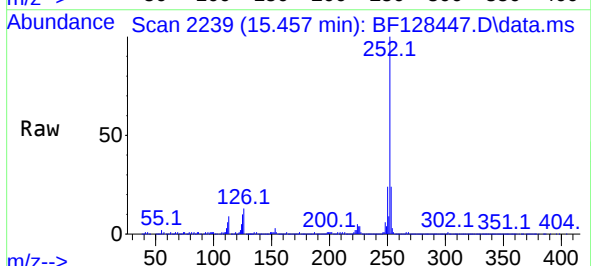
Tgt Ion:252 Resp: 515636

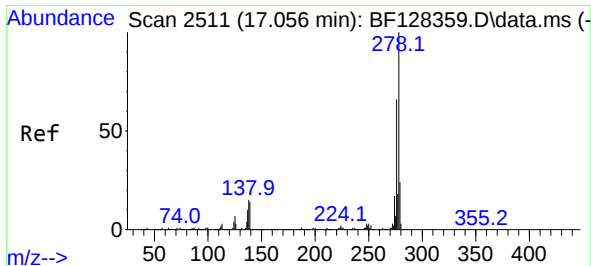
Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.6

125 10.2 9.2 13.8





#91
Dibenzo(a,h)anthracene
Concen: 12.502 ng m
RT: 17.027 min Scan# 2506
Delta R.T. -0.000 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Instrument :

BNA_F

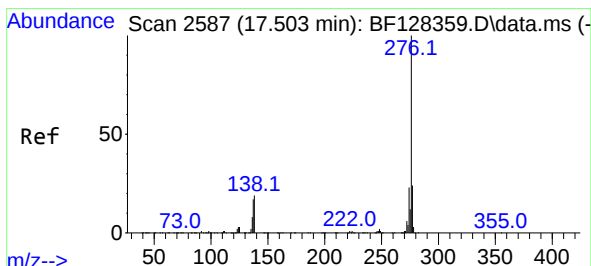
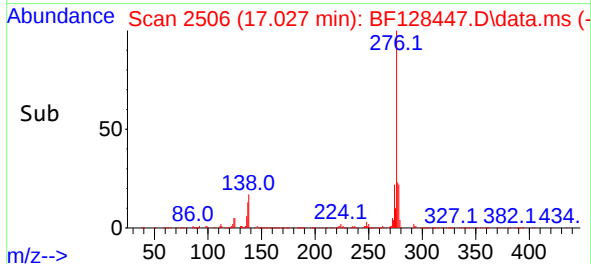
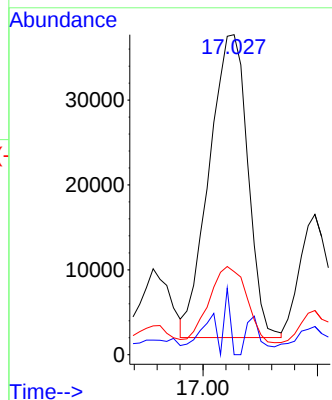
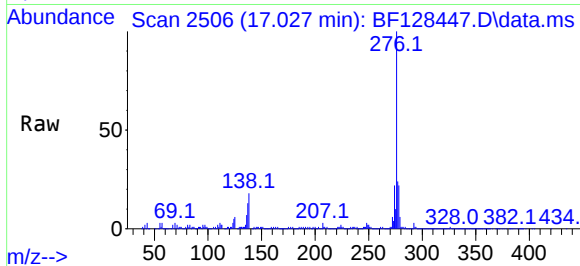
ClientSampleId :

SB-6(0.5-1)

Tgt Ion:278 Resp: 8333
Ion Ratio Lower Upper
278 100
139 0.0 12.6 19.0
279 26.0 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#92
Benzo(g,h,i)perylene
Concen: 44.748 ng
RT: 17.486 min Scan# 2584
Delta R.T. 0.012 min
Lab File: BF128447.D
Acq: 24 May 2022 21:10

Tgt Ion:276 Resp: 311169
Ion Ratio Lower Upper
276 100
277 24.2 18.8 28.2
138 18.9 16.2 24.2

