

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128438.D
 Acq On : 24 May 2022 16:46
 Operator : CG\JU
 Sample : N2981-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(0.5-1)

Manual Integrations
 APPROVED

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

Quant Time: May 25 03:55:32 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	97200	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	376834	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	207550	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	336178	20.000	ng	0.00
76) Chrysene-d12	14.021	240	200746	20.000	ng	#-0.01
86) Perylene-d12	15.504	264	215145	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	584505	95.696	ng	0.00
7) Phenol-d6	6.487	99	755617	93.949	ng	0.00
23) Nitrobenzene-d5	7.410	82	541281	64.358	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	178670	83.473	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	818335	64.479	ng	0.00
79) Terphenyl-d14	12.963	244	636401	61.198	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.398	178	155763	9.494	ng	100
72) Anthracene	11.451	178	33126	2.032	ng	98
75) Fluoranthene	12.592	202	240147	13.516	ng	97
78) Pyrene	12.821	202	202975	13.504	ng	100
81) Benzo(a)anthracene	14.015	228	110179	8.626	ng	97
83) Chrysene	14.051	228	106367	8.744	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	63643	5.183	ng	94
88) Benzo(b)fluoranthene	15.074	252	157598m	11.776	ng	
89) Benzo(k)fluoranthene	15.098	252	42666m	3.404	ng	
90) Benzo(a)pyrene	15.445	252	106104	9.876	ng	98
92) Benzo(g,h,i)perylene	17.468	276	56023	5.450	ng	97

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

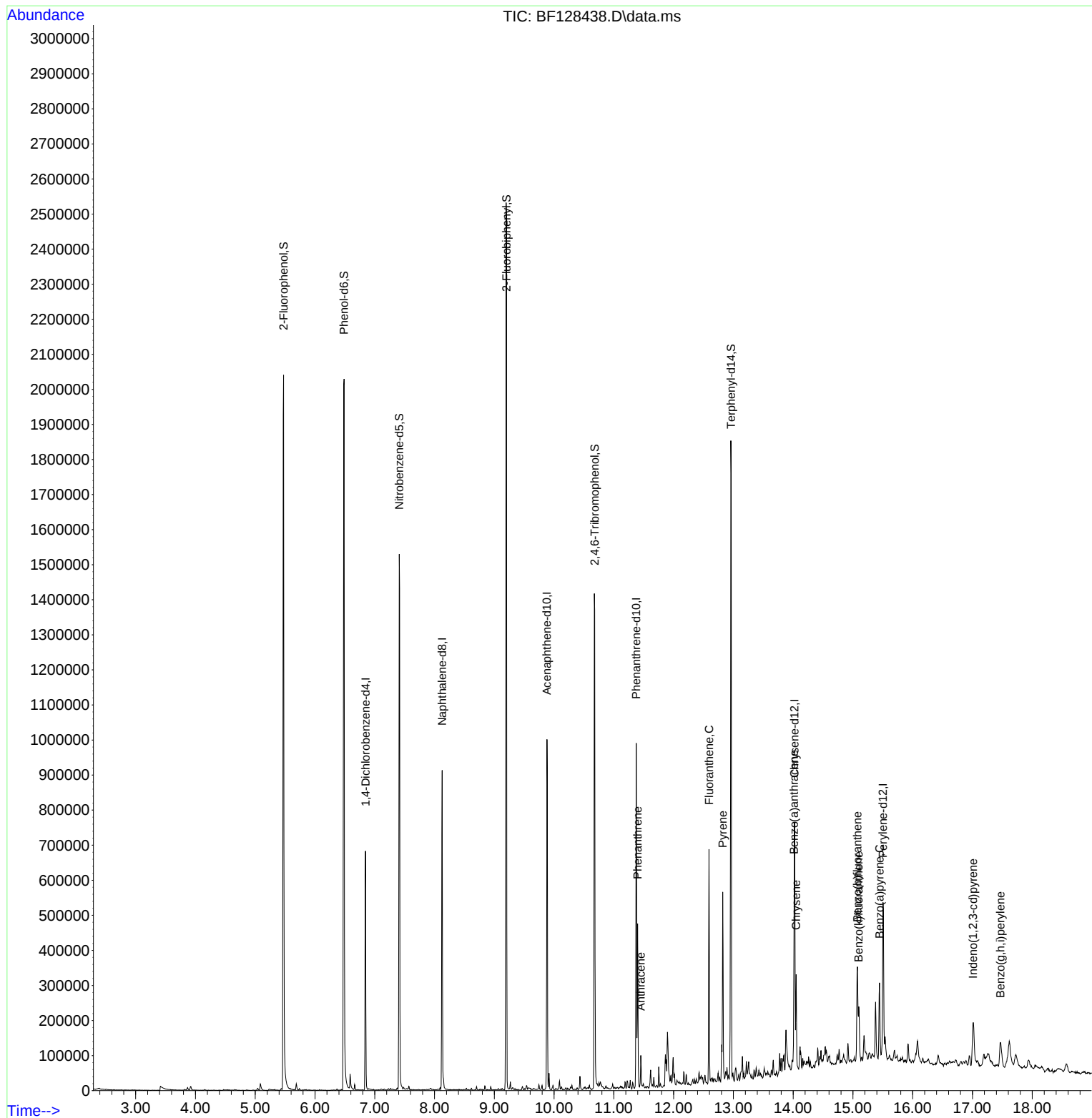
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
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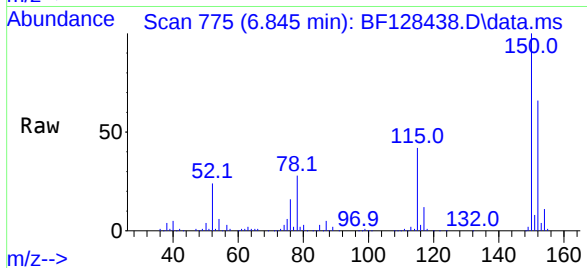
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

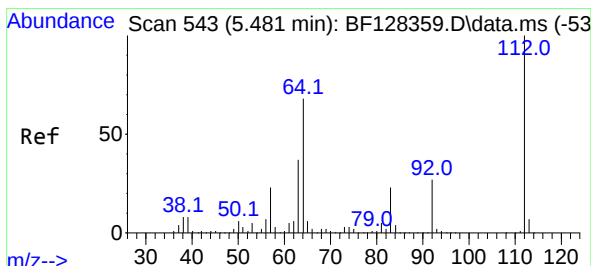
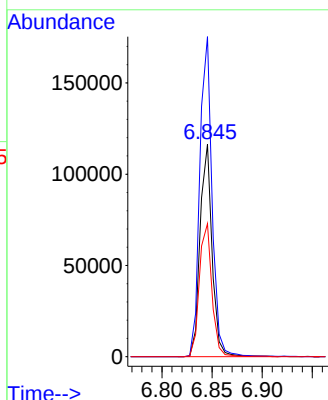
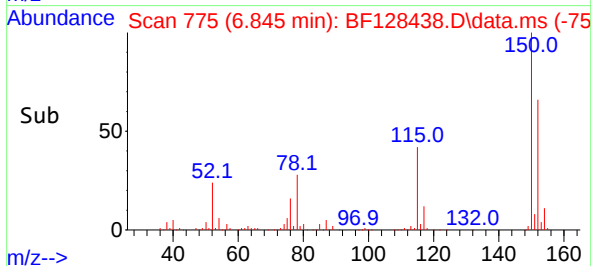
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BNA_F
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SB-15(0.5-1)



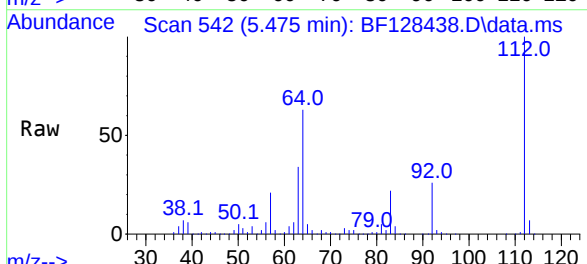
Tgt Ion:152 Resp: 97200
Ion Ratio Lower Upper
152 100
150 150.7 125.3 187.9
115 62.6 48.8 73.2

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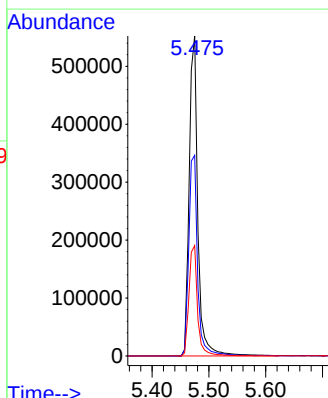
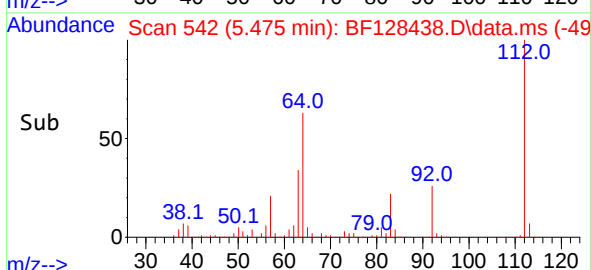
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

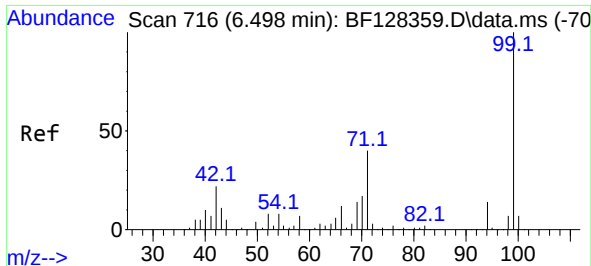


#5
2-Fluorophenol
Concen: 95.696 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46



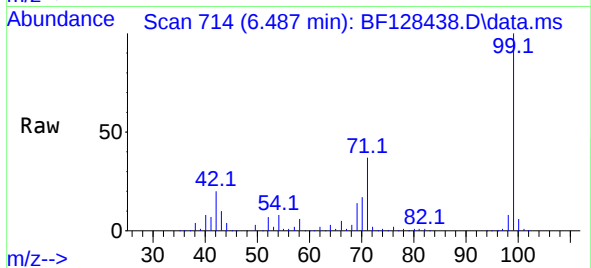
Tgt Ion:112 Resp: 584505
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 34.5 26.3 39.5





#7
Phenol-d6
Concen: 93.949 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

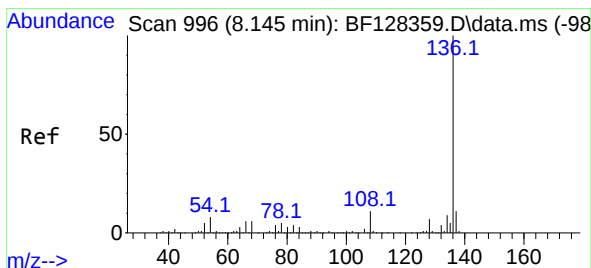
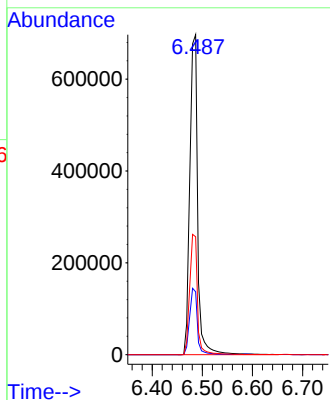
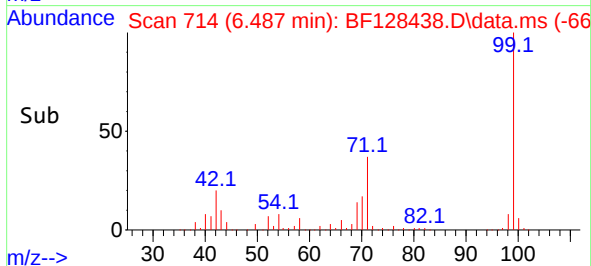
Instrument :
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SB-15(0.5-1)



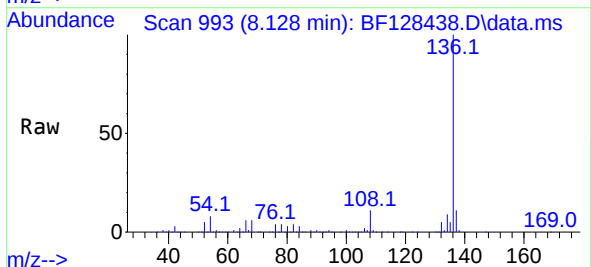
Tgt Ion: 99 Resp: 75561
Ion Ratio Lower Upper
99 100
42 19.7 16.6 24.8
71 36.8 30.0 45.0

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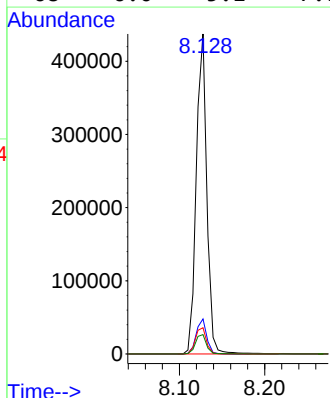
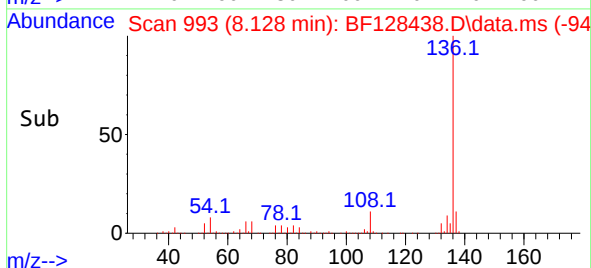
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

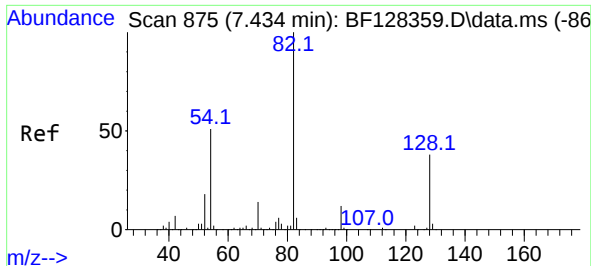


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46



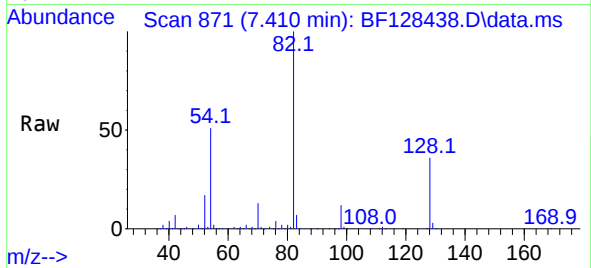
Tgt Ion:136 Resp: 376834
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 6.8 10.2
68 6.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 64.358 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

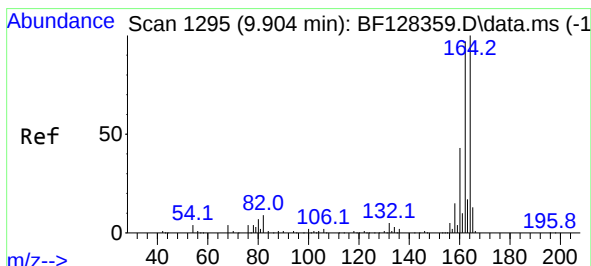
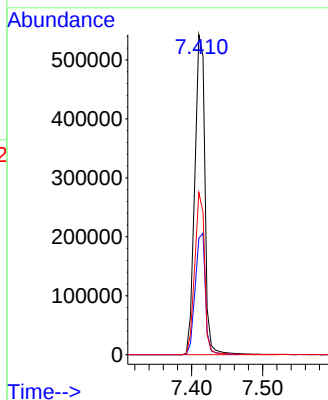
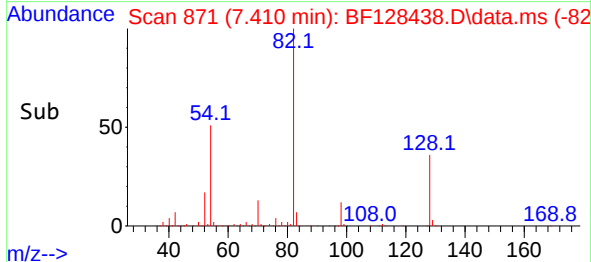
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)



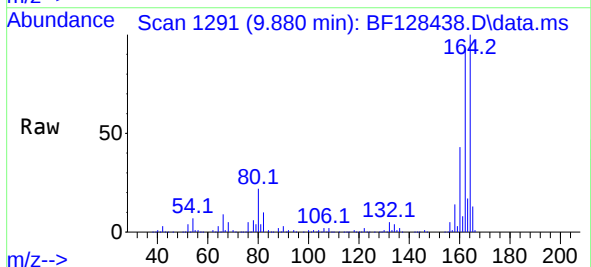
Tgt Ion: 82 Resp: 54128
Ion Ratio Lower Upper
82 100
128 36.3 30.0 45.0
54 50.7 41.3 61.9

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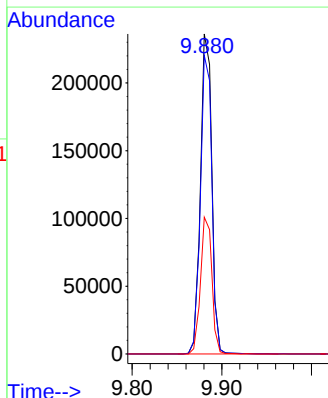
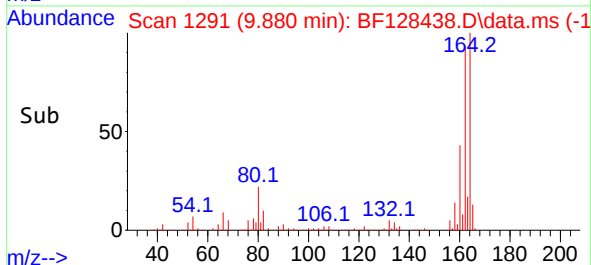
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

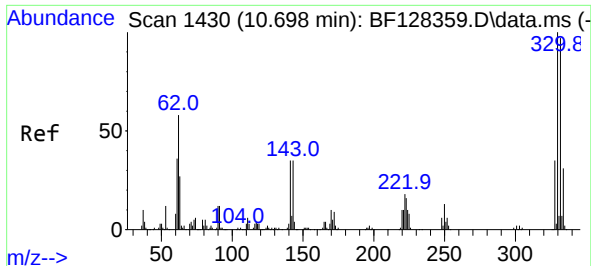


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46



Tgt Ion:164 Resp: 207550
Ion Ratio Lower Upper
164 100
162 93.3 76.0 114.0
160 42.7 34.8 52.2





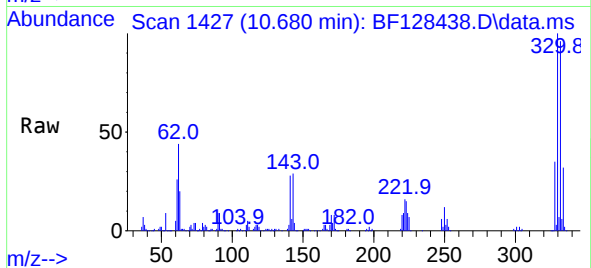
#42
2,4,6-Tribromophenol
Concen: 83.473 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Instrument :

BNA_F

ClientSampleId :

SB-15(0.5-1)

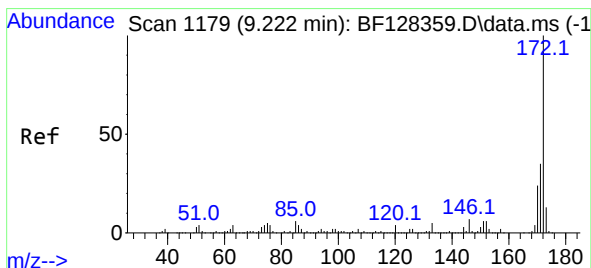
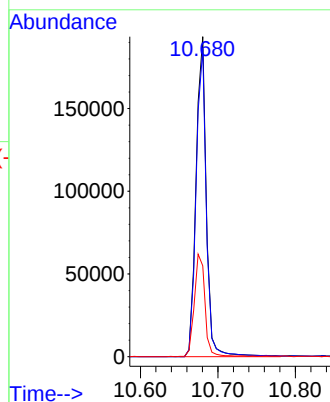
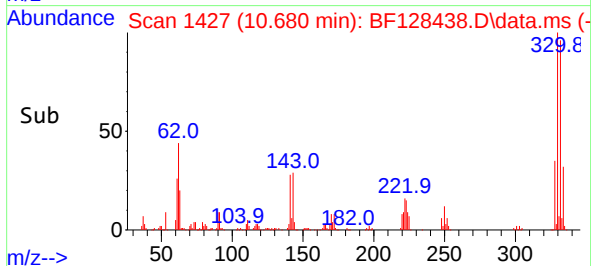


Tgt Ion:330 Resp: 178670
Ion Ratio Lower Upper
330 100
332 96.1 79.0 118.4
141 33.4 28.9 43.3

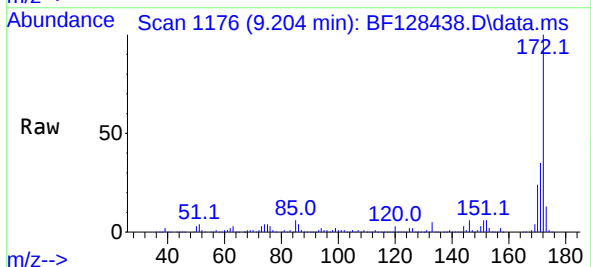
Manual Integrations

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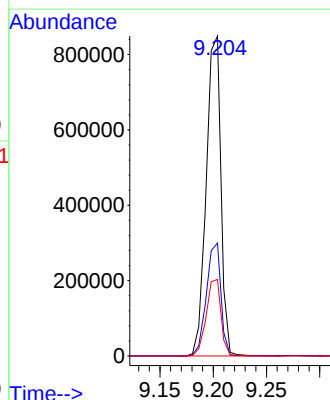
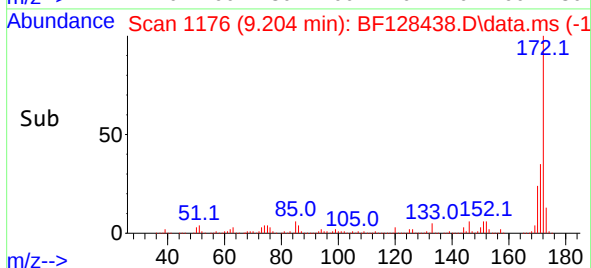
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#45
2-Fluorobiphenyl
Concen: 64.479 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46



Tgt Ion:172 Resp: 818335
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Instrument :

BNA_F

ClientSampleId :

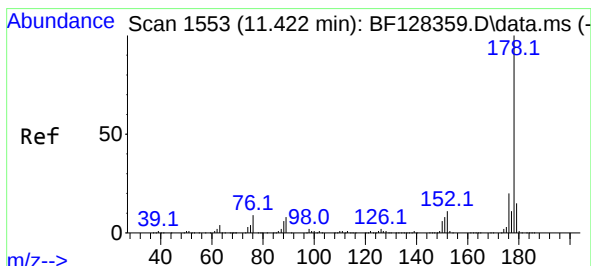
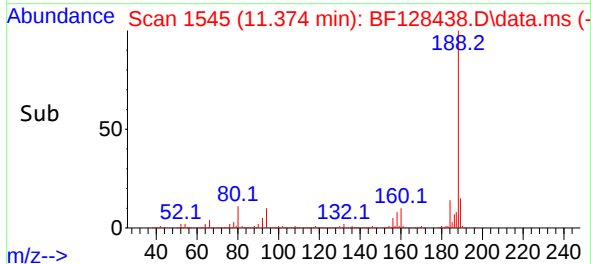
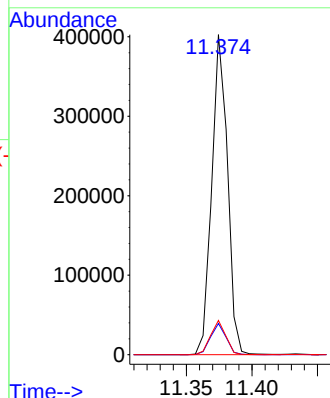
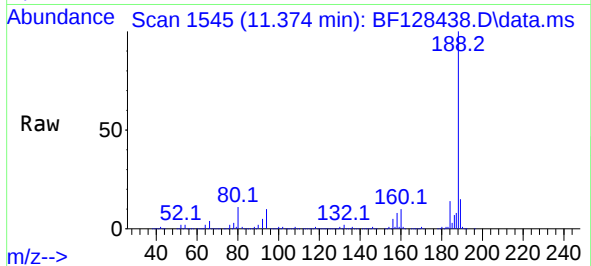
SB-15(0.5-1)

Tgt Ion:188 Resp: 336178
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.7 8.9 13.3

Manual Integrations

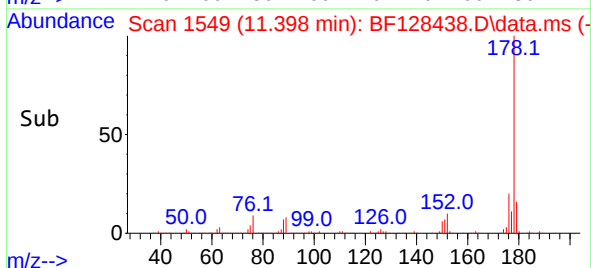
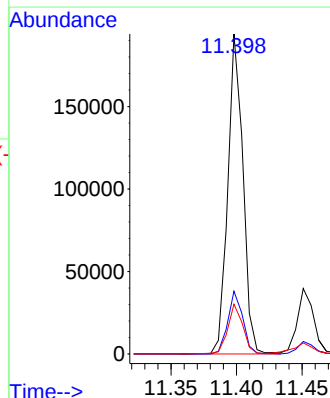
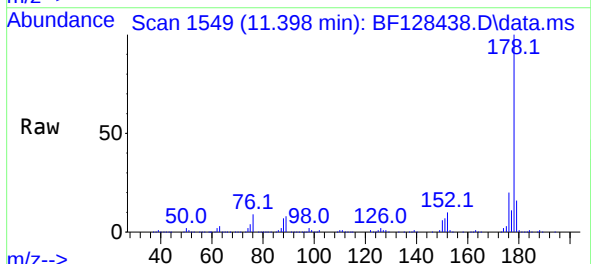
APPROVED

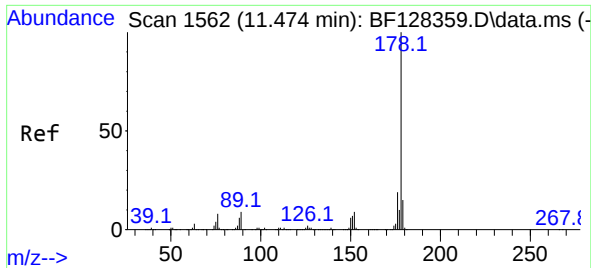
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#71
Phenanthrene
Concen: 9.494 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:178 Resp: 155763
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.6 12.6 19.0





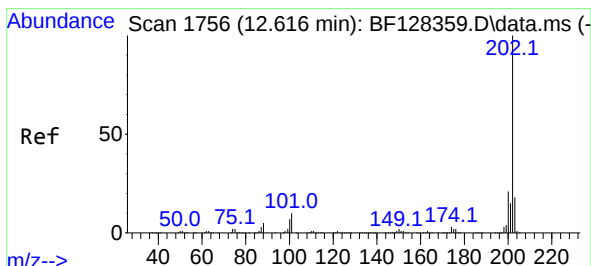
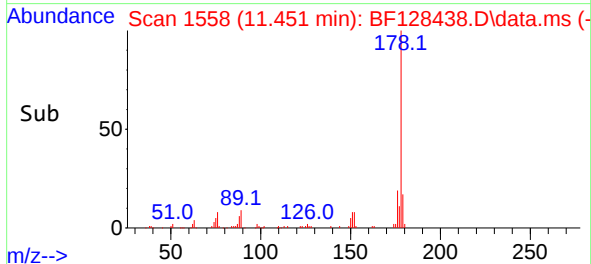
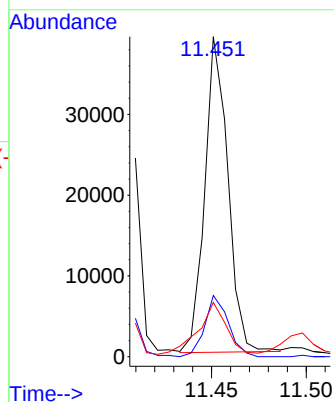
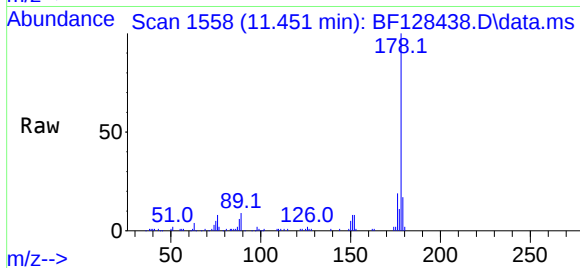
#72
 Anthracene
 Concen: 2.032 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128438.D
 Acq: 24 May 2022 16:46

Instrument :
 BNA_F
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 SB-15(0.5-1)

Tgt Ion:178 Resp: 33120
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 16.9 12.4 18.6

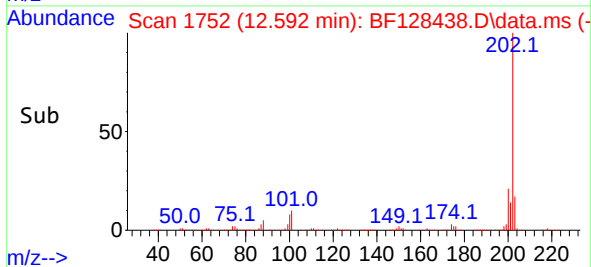
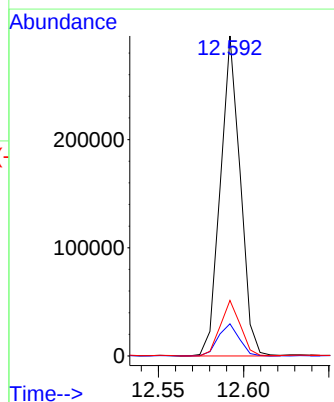
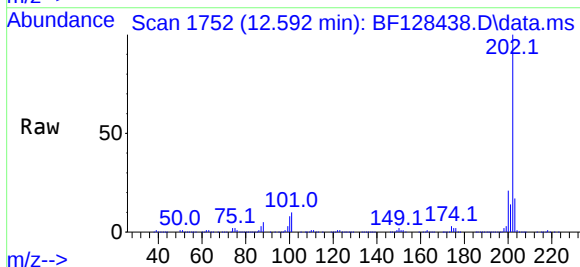
Manual Integrations
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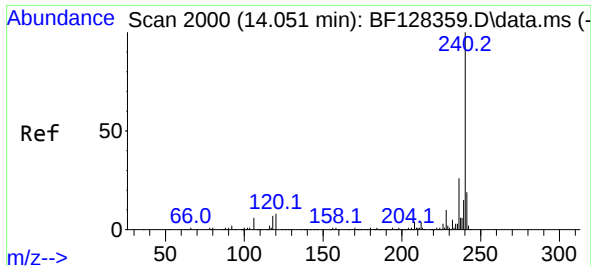
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022



#75
 Fluoranthene
 Concen: 13.516 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF128438.D
 Acq: 24 May 2022 16:46

Tgt Ion:202 Resp: 240147
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.6
 203 17.4 0.0 38.1





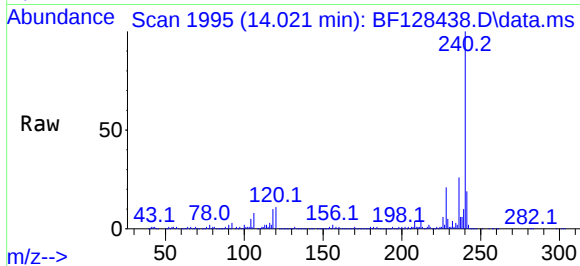
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Instrument :

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ClientSampleId :

SB-15(0.5-1)

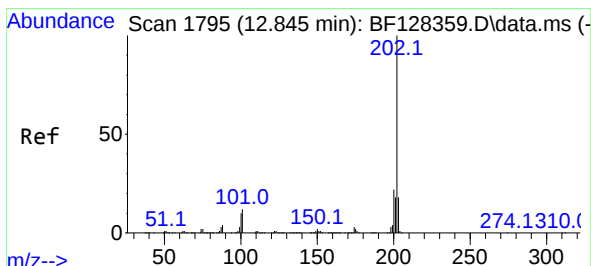
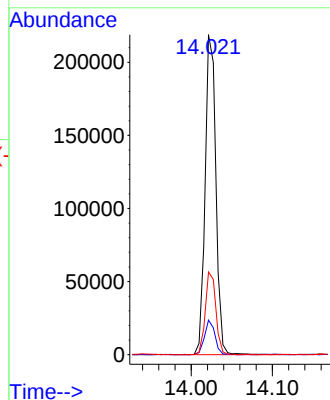
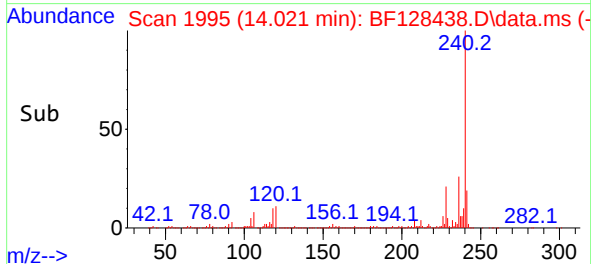


Tgt Ion:240 Resp: 200740
Ion Ratio Lower Upper
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236 25.8 20.3 30.5

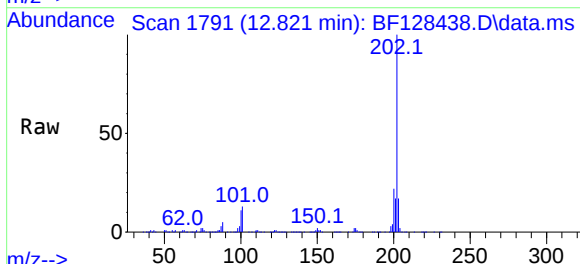
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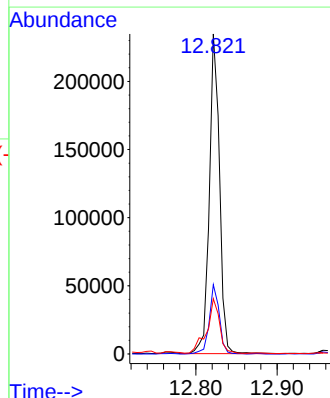
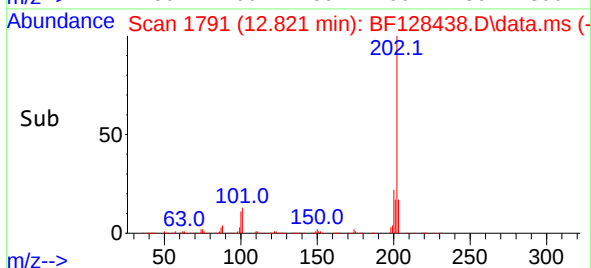
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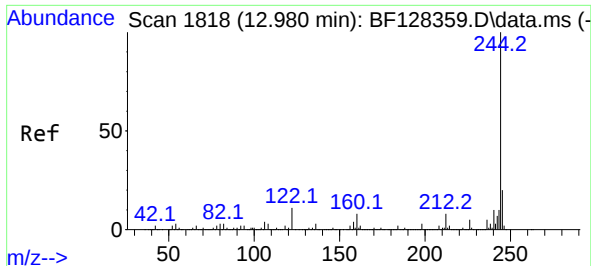


#78
Pyrene
Concen: 13.504 ng
RT: 12.821 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46



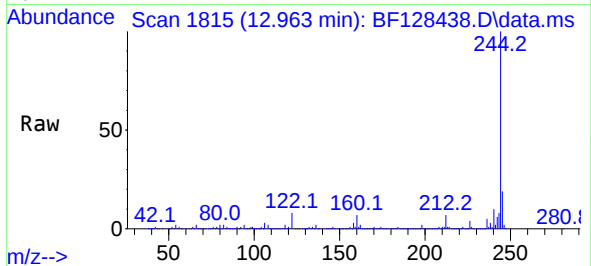
Tgt Ion:202 Resp: 202975
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.2 14.0 21.0





#79
Terphenyl-d14
Concen: 61.198 ng
RT: 12.963 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

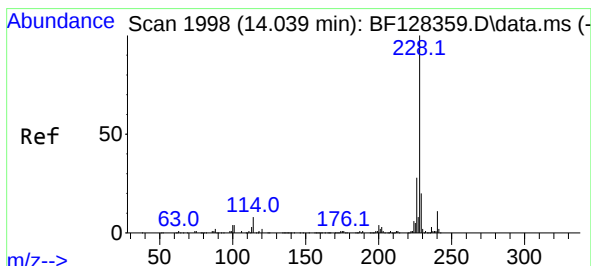
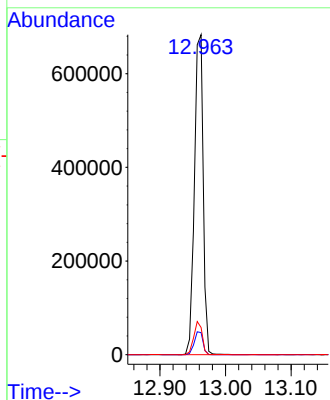
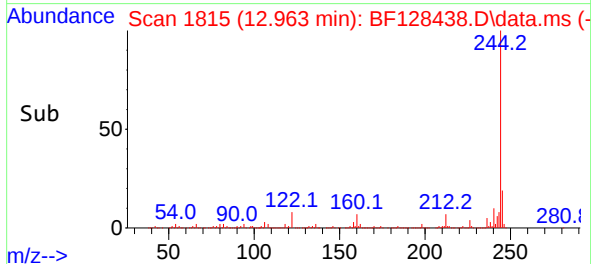
Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)



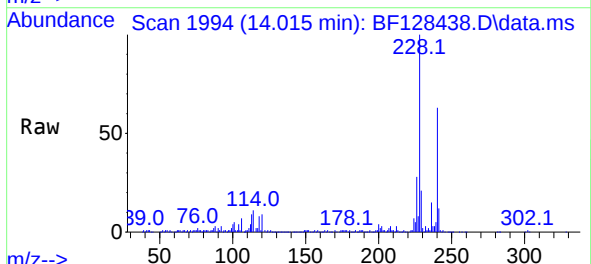
Tgt Ion:244 Resp: 63640
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.4
122 8.5 8.6 12.8

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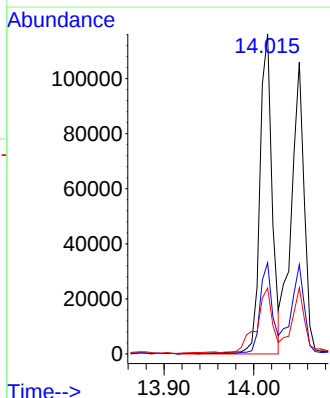
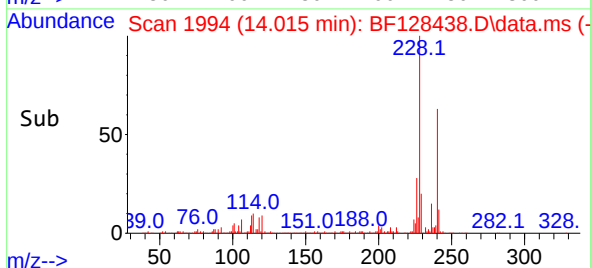
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

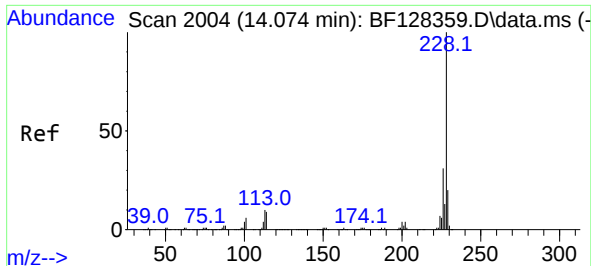


#81
Benzo(a)anthracene
Concen: 8.626 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46



Tgt Ion:228 Resp: 110179
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.6 15.4 23.2





#83
Chrysene
Concen: 8.744 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Instrument :

BNA_F

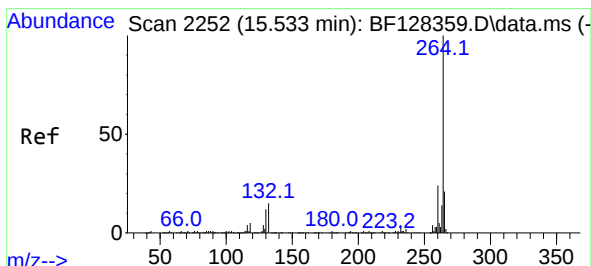
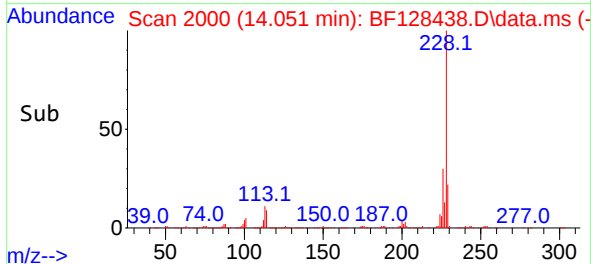
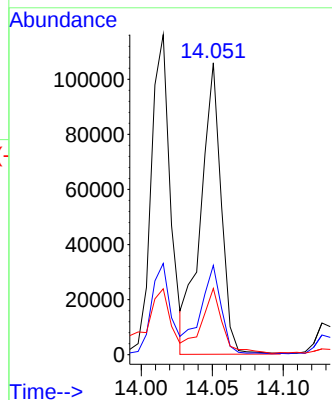
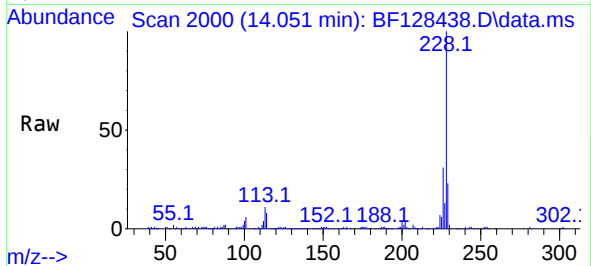
ClientSampleId :

SB-15(0.5-1)

Tgt Ion:228 Resp: 10636
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.7 15.8 23.8

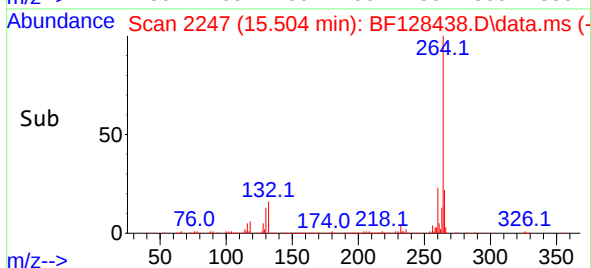
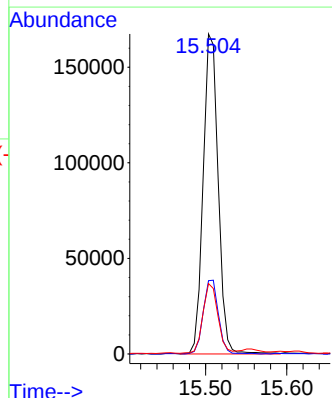
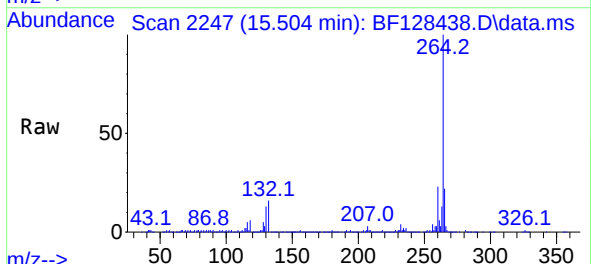
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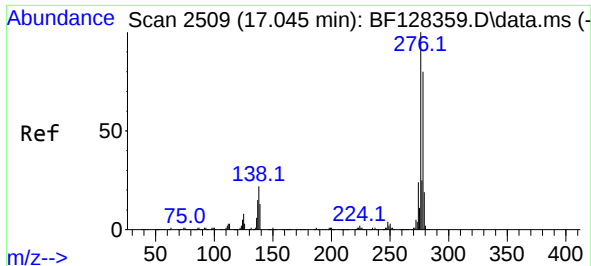
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2247
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:264 Resp: 215145
Ion Ratio Lower Upper
264 100
260 22.9 20.1 30.1
265 22.0 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.183 ng
RT: 17.009 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Instrument :

BNA_F

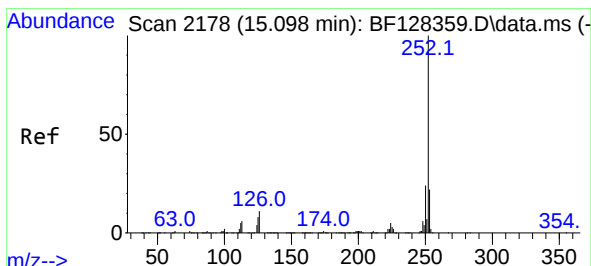
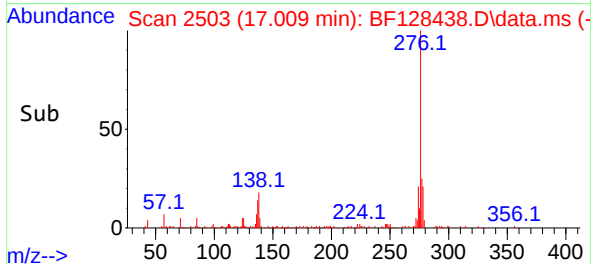
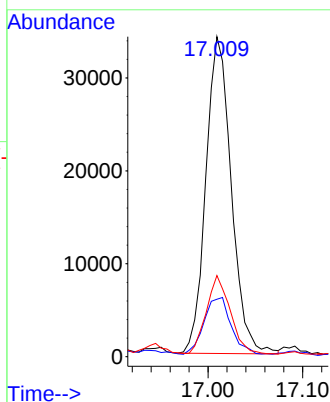
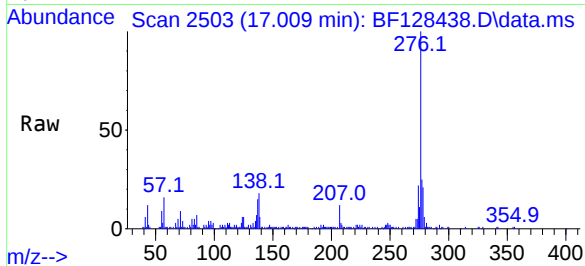
ClientSampleId :

SB-15(0.5-1)

Tgt Ion:276 Resp: 6364
Ion Ratio Lower Upper
276 100
138 19.0 19.0 28.4
277 23.4 20.1 30.1

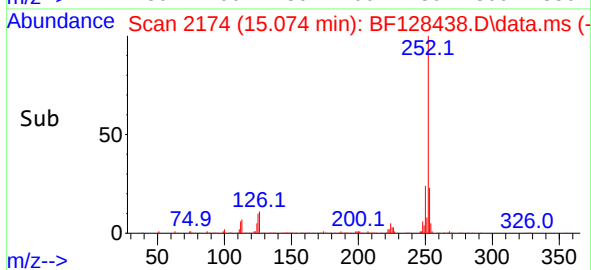
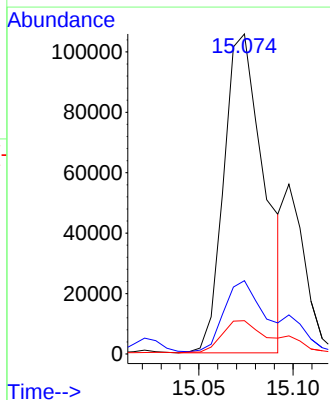
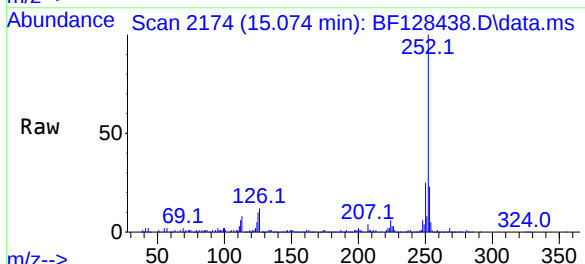
Manual Integrations
APPROVED

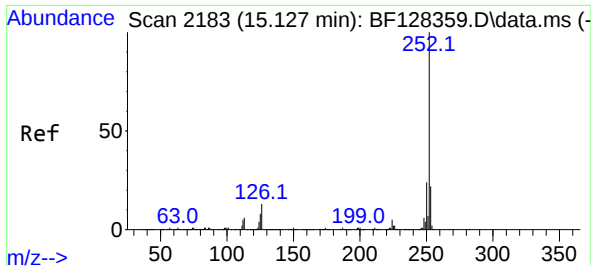
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#88
Benzo(b)fluoranthene
Concen: 11.776 ng m
RT: 15.074 min Scan# 2174
Delta R.T. -0.000 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Tgt Ion:252 Resp: 157598
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 10.4 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 3.404 ng m
RT: 15.098 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Instrument :

BNA_F

ClientSampleId :

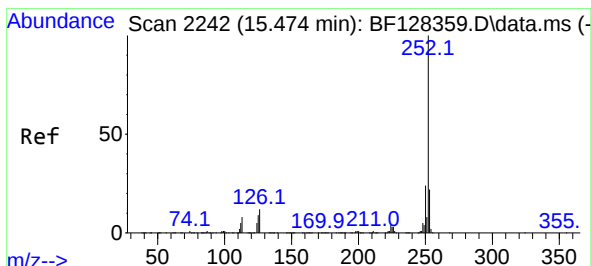
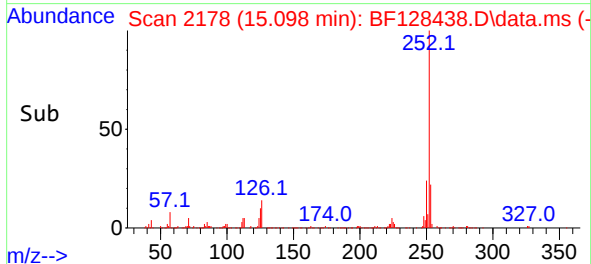
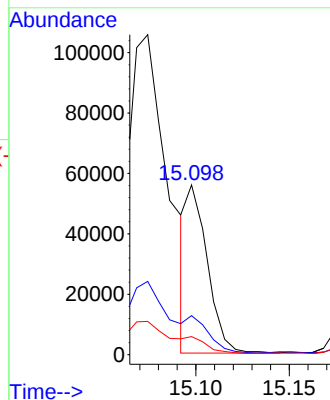
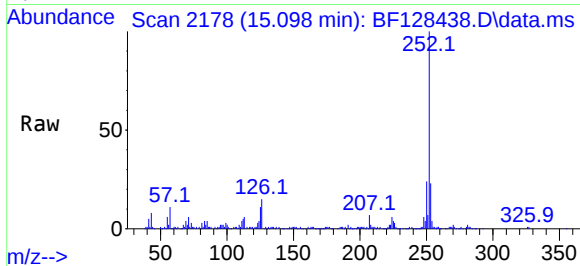
SB-15(0.5-1)

Tgt Ion:252 Resp: 42660
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 10.6 6.8 10.2

Manual Integrations

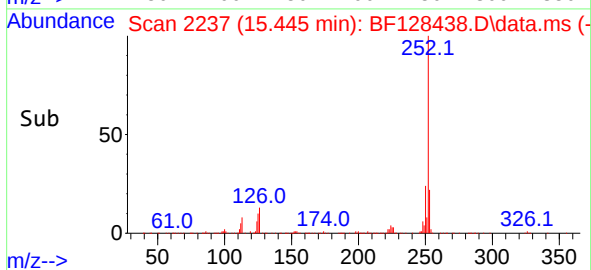
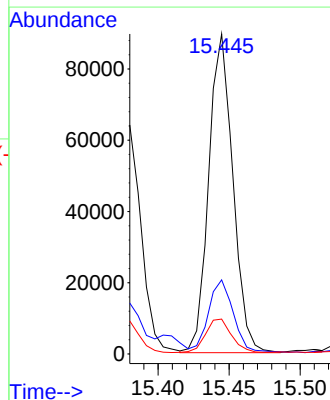
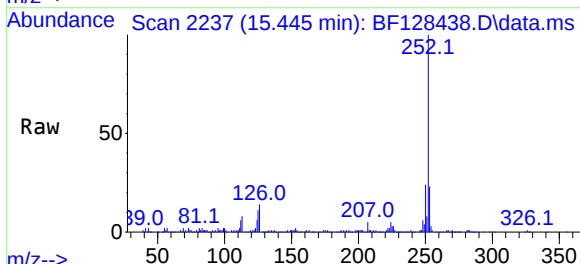
APPROVED

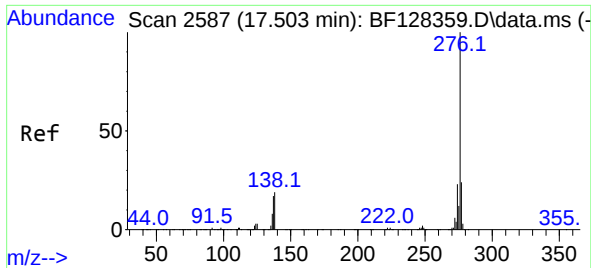
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#90
Benzo(a)pyrene
Concen: 9.876 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

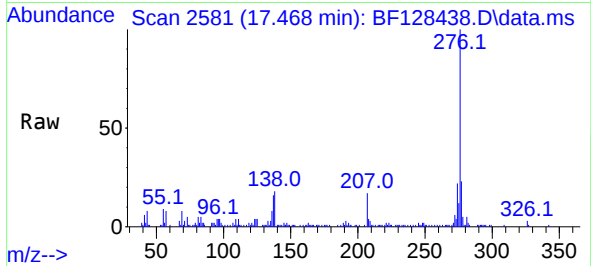
Tgt Ion:252 Resp: 106104
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.9 9.2 13.8





#92
Benzo(g,h,i)perylene
Concen: 5.450 ng
RT: 17.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128438.D
Acq: 24 May 2022 16:46

Instrument :
BNA_F
ClientSampleId :
SB-15(0.5-1)



Tgt Ion: 276 Resp: 5602

Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	17.7	16.2	24.2

Manual Integrations
APPROVED

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

