

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128436.D
 Acq On : 24 May 2022 15:48
 Operator : CG\JU
 Sample : N2981-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13(3-3.5)

Manual Integrations
 APPROVED

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

Quant Time: May 25 03:55:18 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	92771	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	365214	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	202111	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	369301	20.000	ng	0.00
76) Chrysene-d12	14.027	240	210098	20.000	ng	0.00
86) Perylene-d12	15.510	264	211241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	500302	85.821	ng	0.00
7) Phenol-d6	6.481	99	660429	86.034	ng	-0.01
23) Nitrobenzene-d5	7.410	82	470943	57.776	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	158499	76.042	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	685940	55.501	ng	0.00
79) Terphenyl-d14	12.963	244	707111	64.971	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.398	178	114683	6.363	ng	98
75) Fluoranthene	12.592	202	270516	13.860	ng	99
78) Pyrene	12.822	202	223472	14.206	ng	99
81) Benzo(a)anthracene	14.016	228	128411	9.606	ng	97
83) Chrysene	14.051	228	124329m	9.766	ng	
87) Indeno(1,2,3-cd)pyrene	17.009	276	76842	6.373	ng	96
88) Benzo(b)fluoranthene	15.074	252	154925m	11.790	ng	
89) Benzo(k)fluoranthene	15.098	252	50706m	4.120	ng	
90) Benzo(a)pyrene	15.445	252	111014	10.524	ng	100
91) Dibenzo(a,h)anthracene	17.009	278	24835m	2.567	ng	
92) Benzo(g,h,i)perylene	17.468	276	65388	6.479	ng	95

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

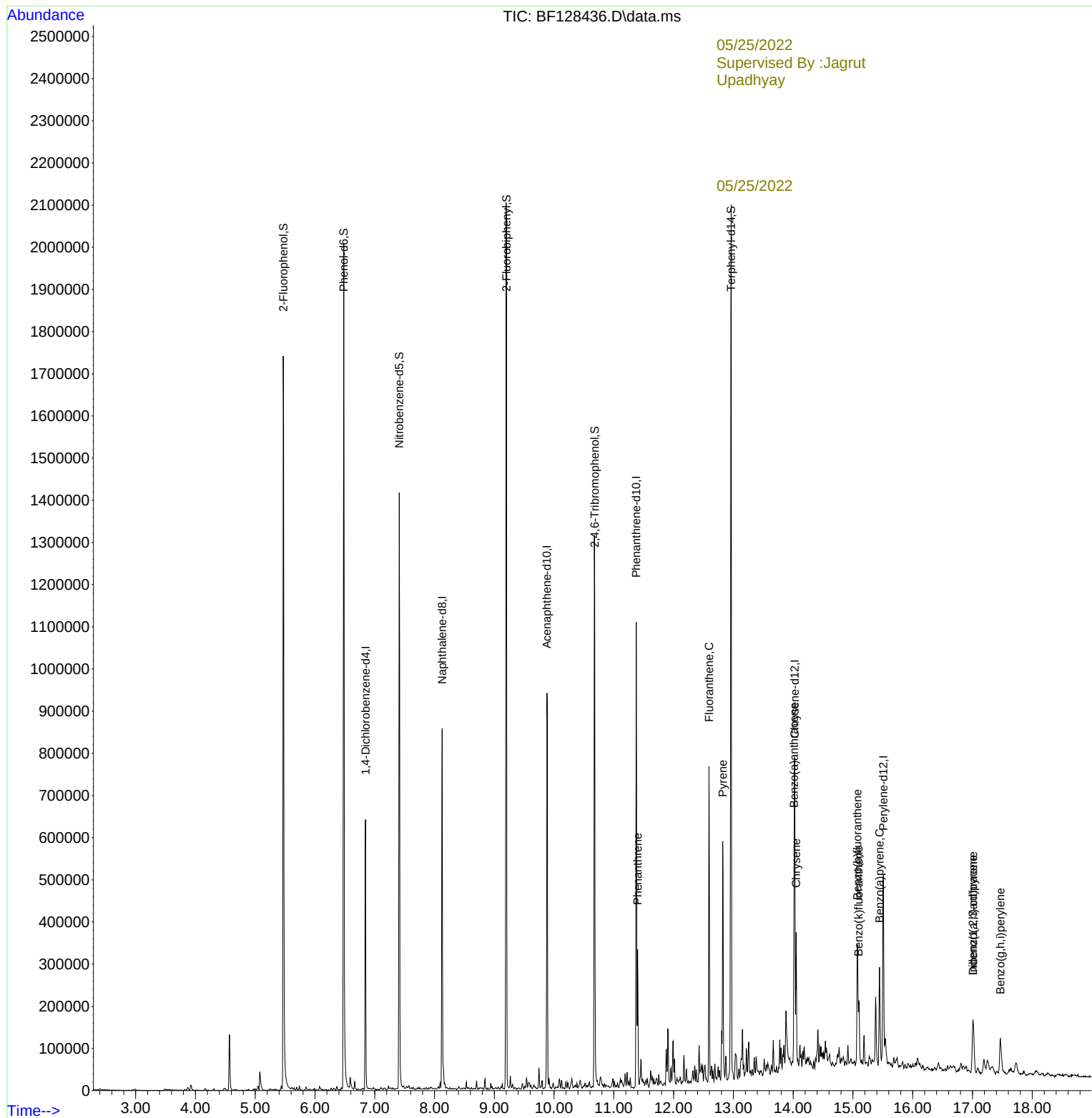
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
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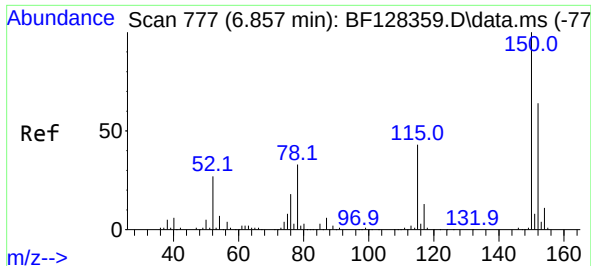
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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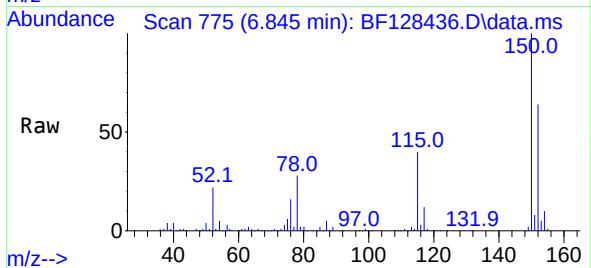
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

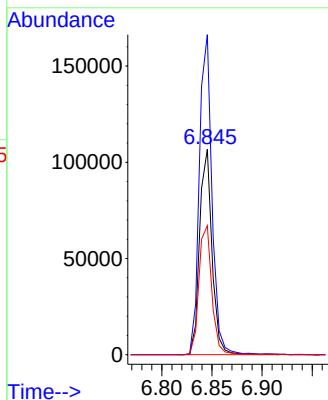
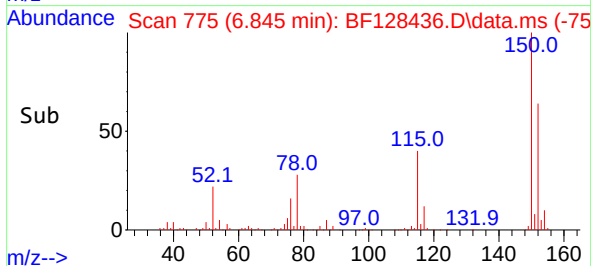
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)



Tgt Ion:152 Resp: 9277
Ion Ratio Lower Upper
152 100
150 155.8 125.3 187.9
115 62.8 48.8 73.2

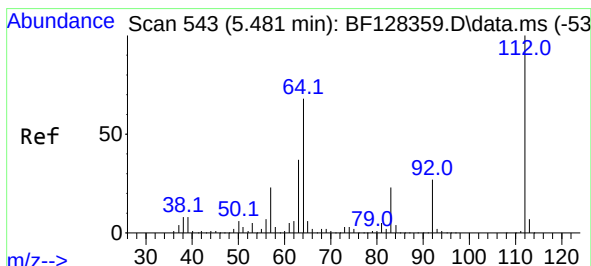
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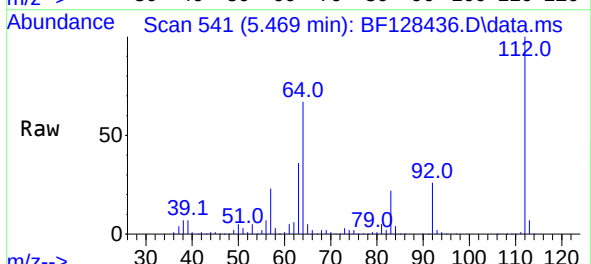


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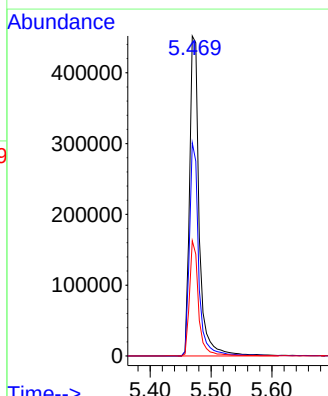
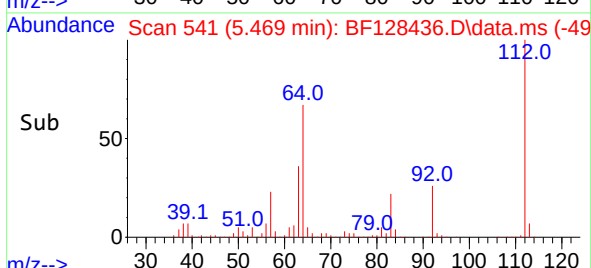
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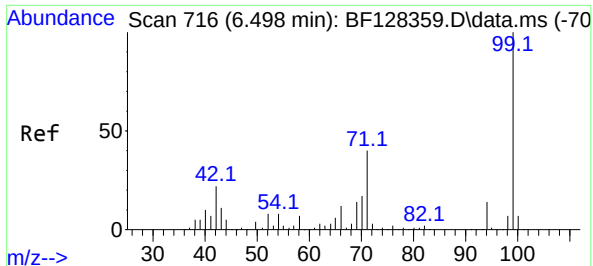


#5
2-Fluorophenol
Concen: 85.821 ng
RT: 5.469 min Scan# 541
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



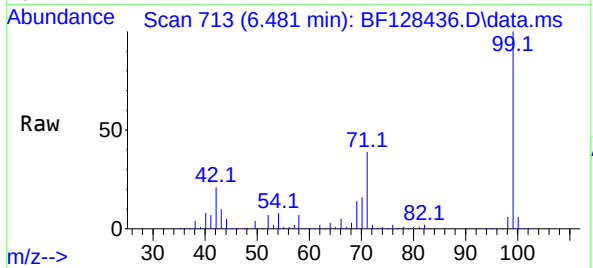
Tgt Ion:112 Resp: 500302
Ion Ratio Lower Upper
112 100
64 66.6 49.5 74.3
63 36.0 26.3 39.5





#7
Phenol-d6
Concen: 86.034 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

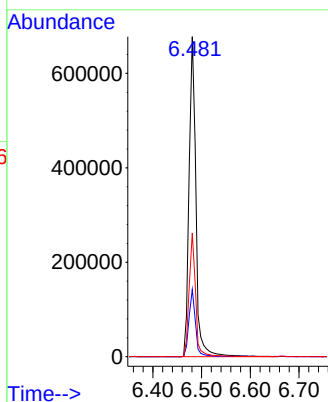
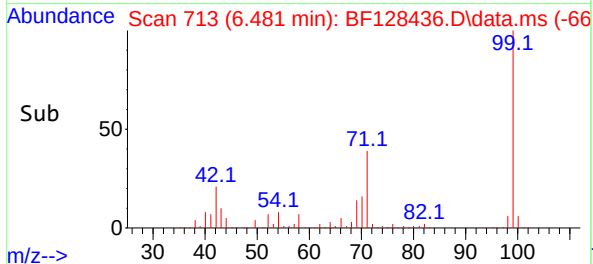
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SB-13(3-3.5)



Tgt Ion: 99 Resp: 660429
Ion Ratio Lower Upper
99 100
42 21.0 16.6 24.8
71 38.6 30.0 45.0

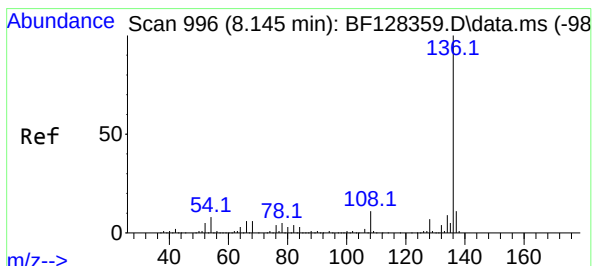
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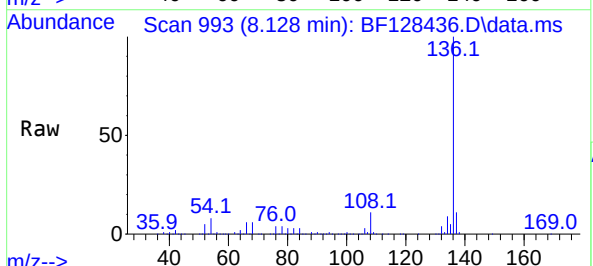


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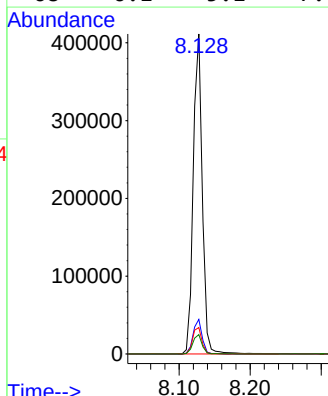
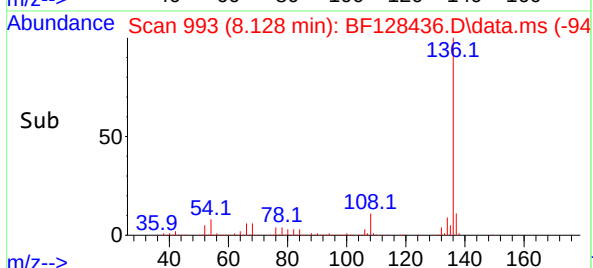
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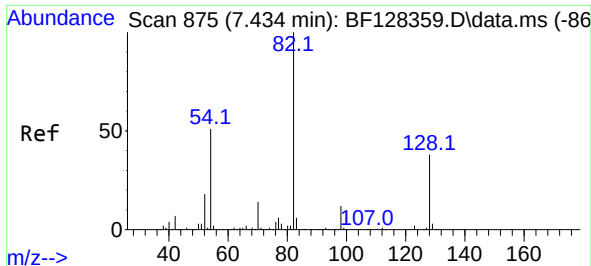


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



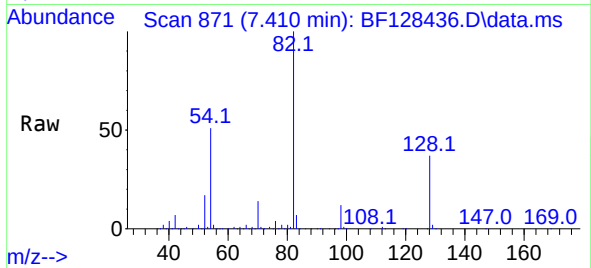
Tgt Ion:136 Resp: 365214
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.8 10.2
68 6.1 5.1 7.7





#23
Nitrobenzene-d5
Concen: 57.776 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

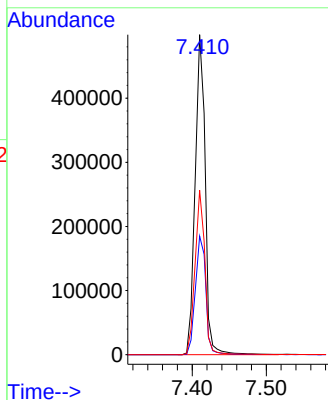
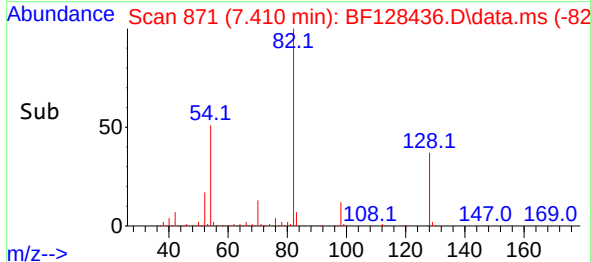
Instrument :
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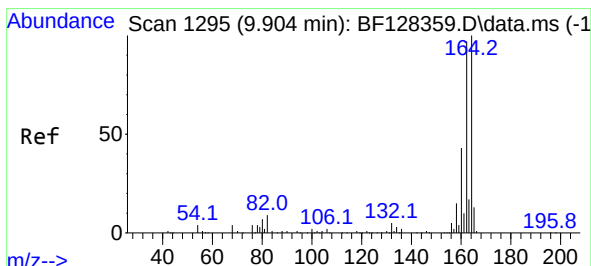
Tgt Ion: 82 Resp: 47094
Ion Ratio Lower Upper
82 100
128 37.1 30.0 45.0
54 51.4 41.3 61.9

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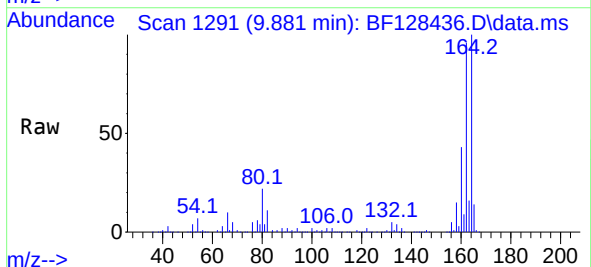
Reviewed By :Christian Giraldo 05/25/2022
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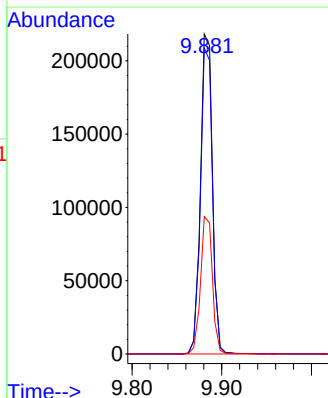
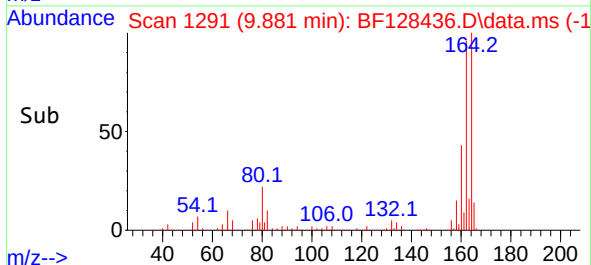
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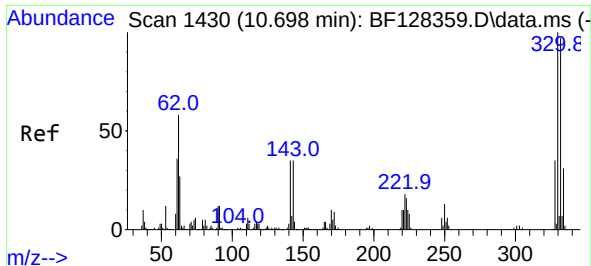


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



Tgt Ion:164 Resp: 202111
Ion Ratio Lower Upper
164 100
162 95.6 76.0 114.0
160 42.9 34.8 52.2





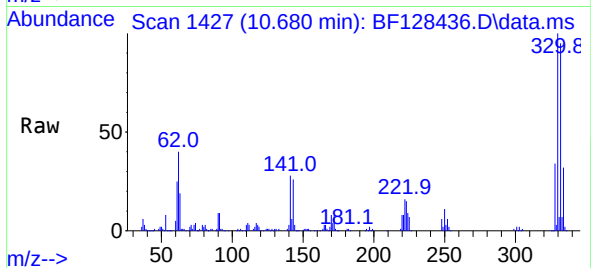
#42
2,4,6-Tribromophenol
Concen: 76.042 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Instrument :

BNA_F

ClientSampleId :

SB-13(3-3.5)

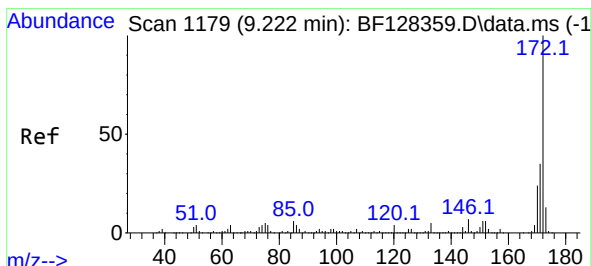
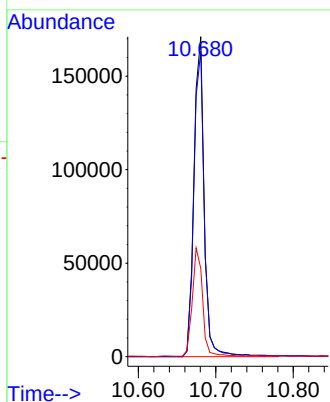
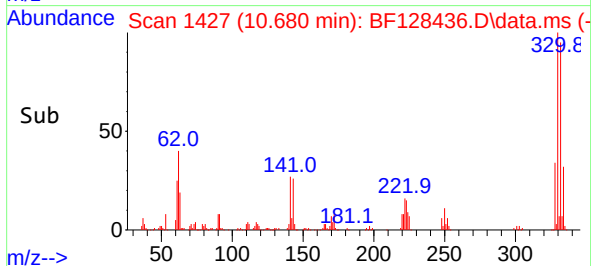


Tgt Ion:330 Resp: 158499
Ion Ratio Lower Upper
330 100
332 95.7 79.0 118.4
141 33.2 28.9 43.3

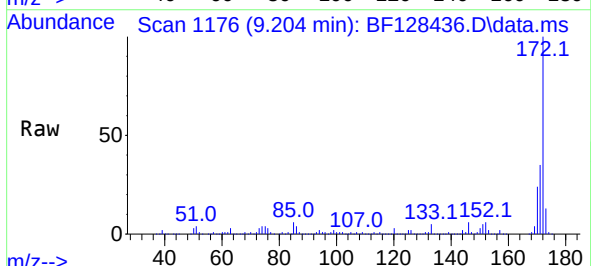
Manual Integrations

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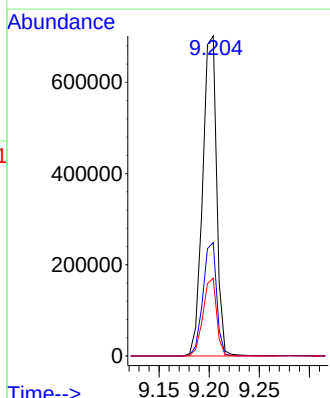
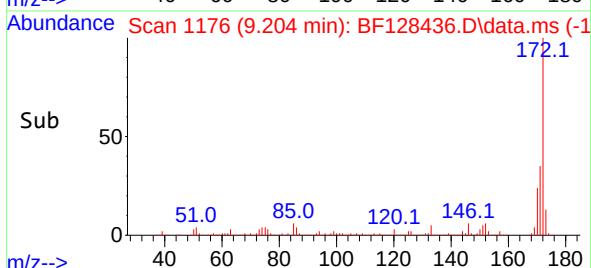
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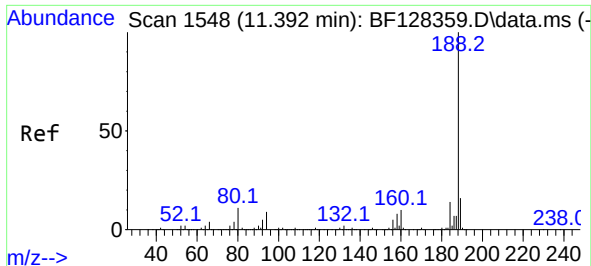


#45
2-Fluorobiphenyl
Concen: 55.501 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



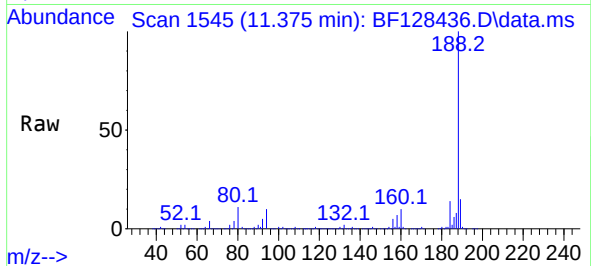
Tgt Ion:172 Resp: 685940
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 24.3 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

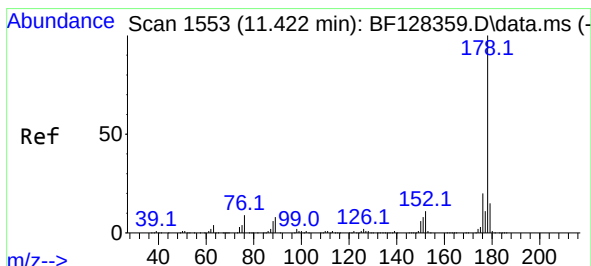
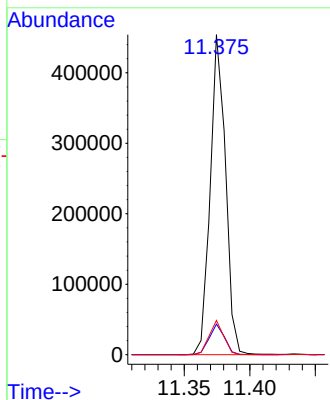
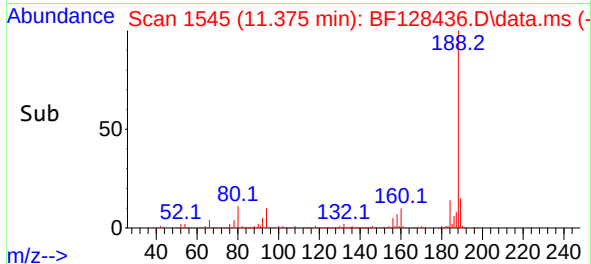
Instrument :
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SB-13(3-3.5)



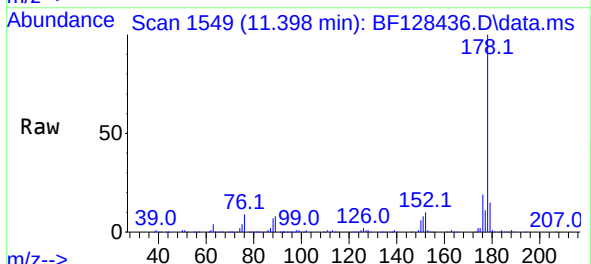
Tgt Ion:188 Resp: 36930
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.7 8.9 13.3

Manual Integrations
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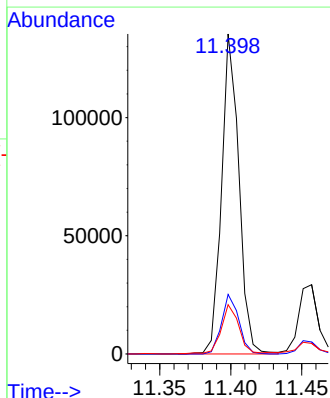
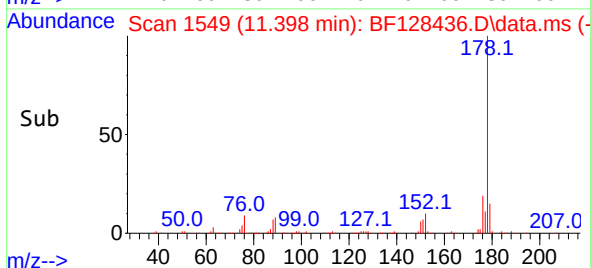
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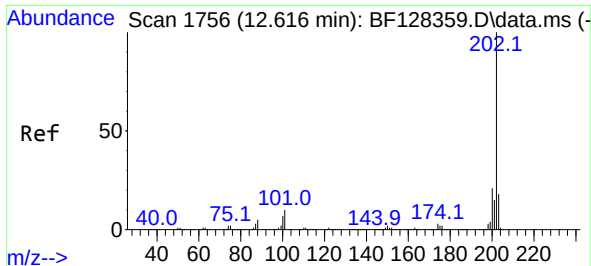


#71
Phenanthrene
Concen: 6.363 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



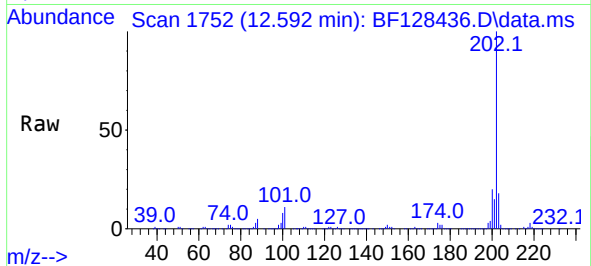
Tgt Ion:178 Resp: 114683
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.4 12.6 19.0





#75
Fluoranthene
Concen: 13.860 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

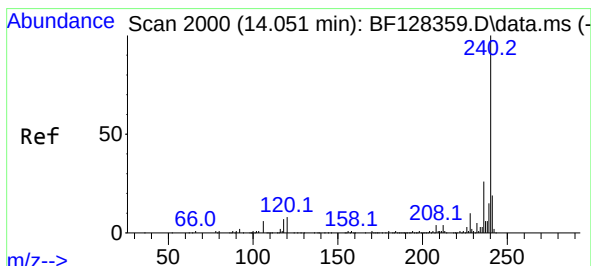
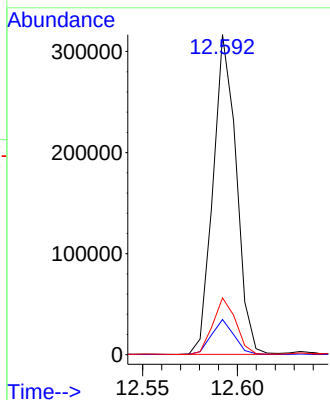
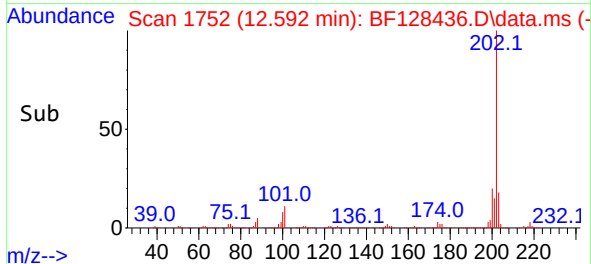
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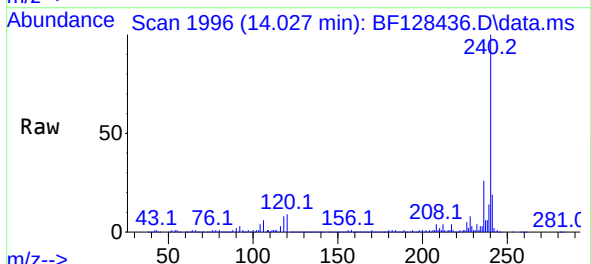
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Ion Ratio Lower Upper
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101 11.0 0.0 31.6
203 17.8 0.0 38.1

Manual Integrations
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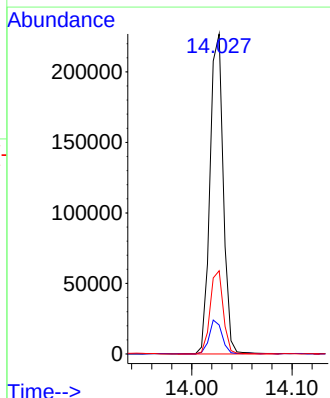
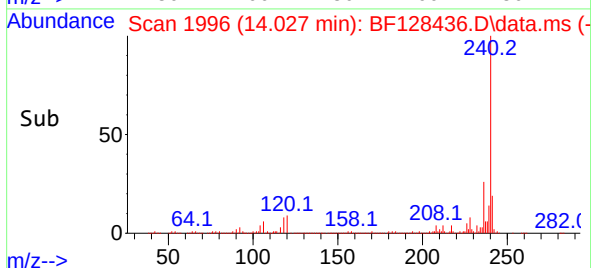
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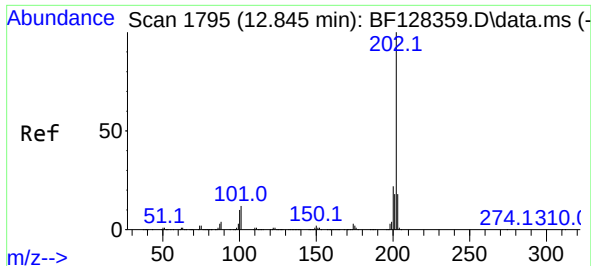


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



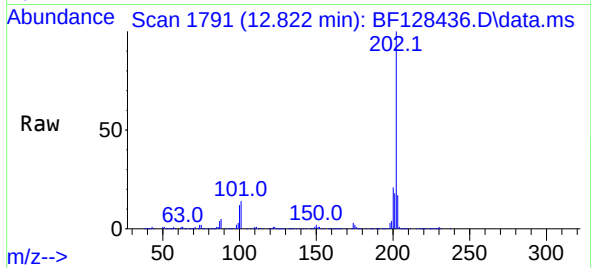
Tgt Ion:240 Resp: 210098
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 26.0 20.3 30.5





#78
Pyrene
Concen: 14.206 ng
RT: 12.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

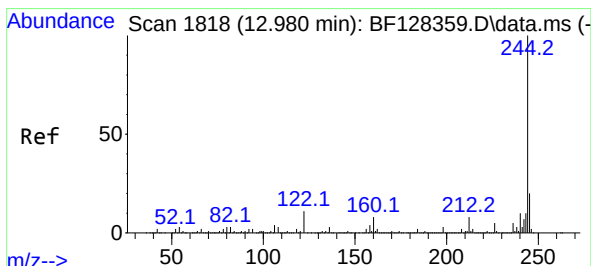
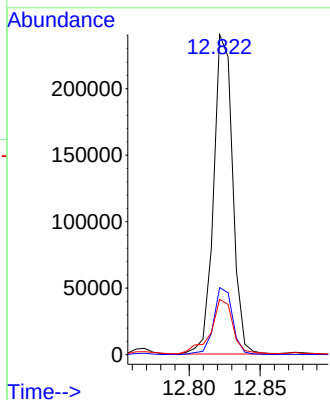
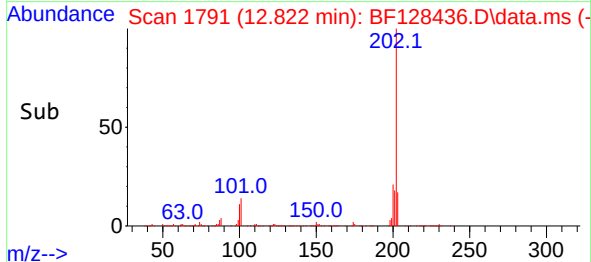
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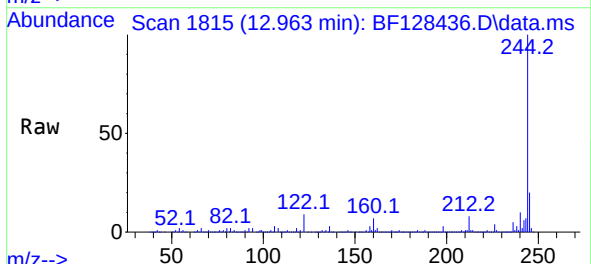
Tgt Ion:202 Resp: 223472
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.3 14.0 21.0

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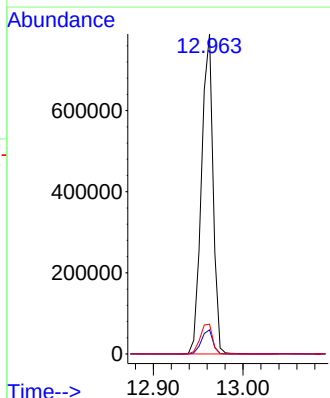
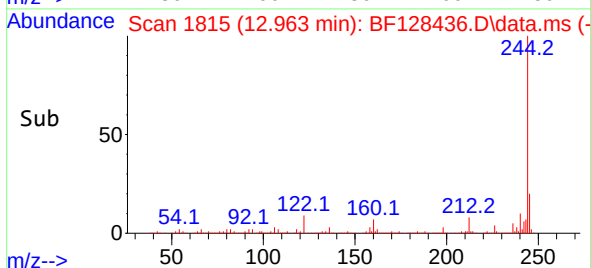
Reviewed By :Christian Giraldo 05/25/2022
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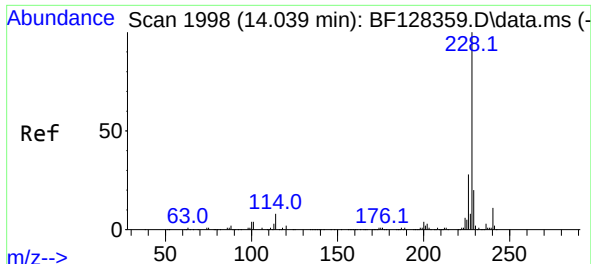


#79
Terphenyl-d14
Concen: 64.971 ng
RT: 12.963 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



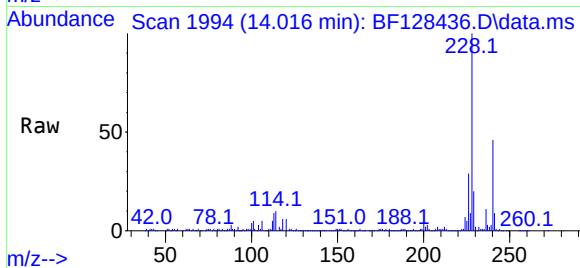
Tgt Ion:244 Resp: 707111
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.4
122 9.3 8.6 12.8





#81
Benzo(a)anthracene
Concen: 9.606 ng
RT: 14.016 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

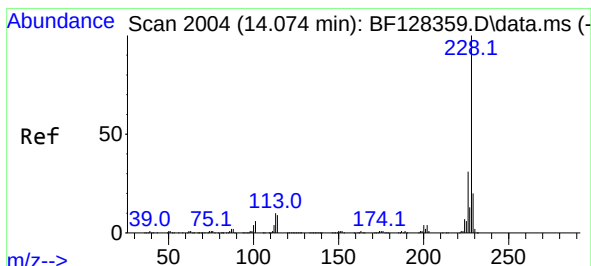
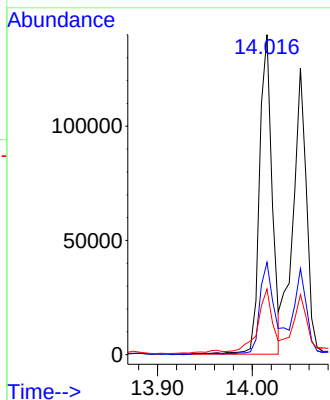
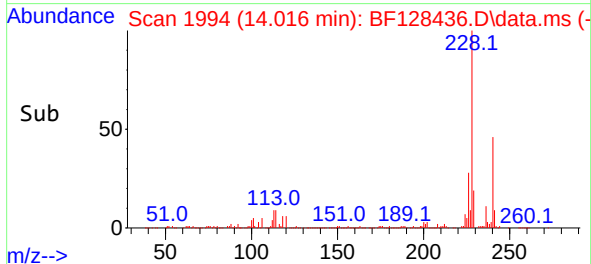
Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)



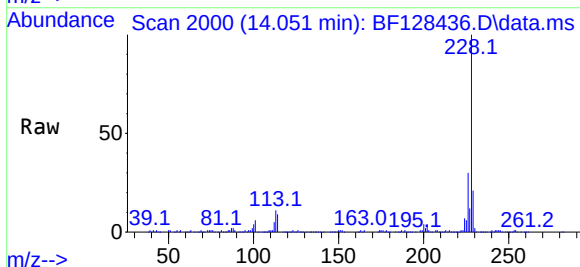
Tgt Ion:228 Resp: 12841
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 20.5 15.4 23.2

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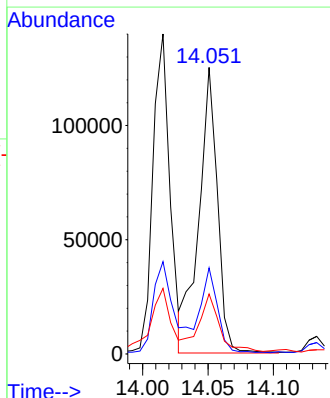
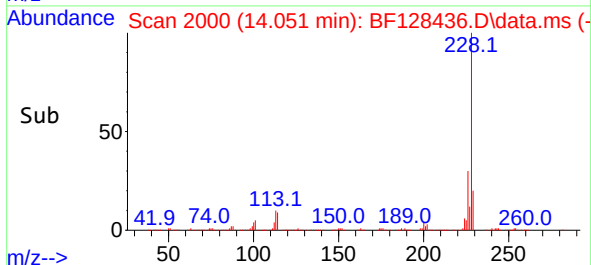
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

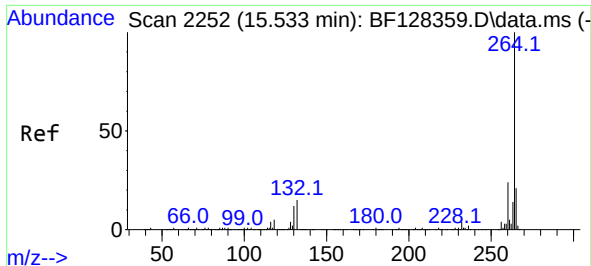


#83
Chrysene
Concen: 9.766 ng m
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48



Tgt Ion:228 Resp: 124329
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 21.0 15.8 23.8





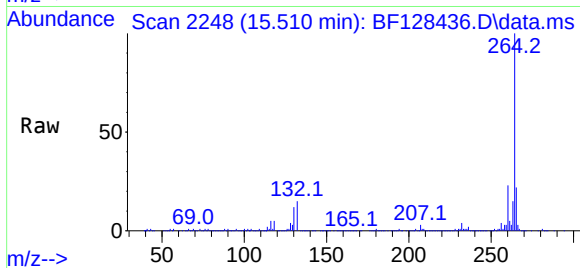
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21124
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Instrument :

BNA_F

ClientSampleId :

SB-13(3-3.5)

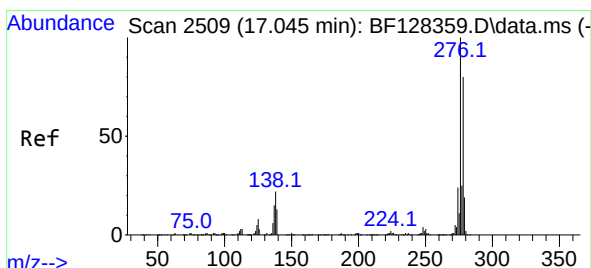
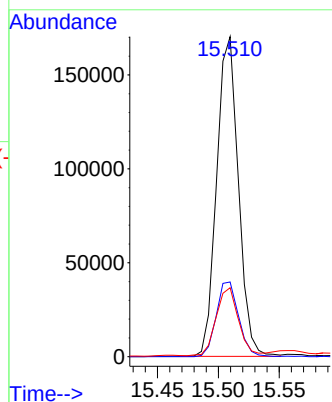
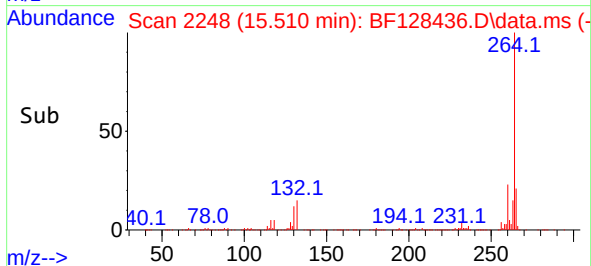


Tgt Ion:264 Resp: 21124
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 21.5 17.5 26.3

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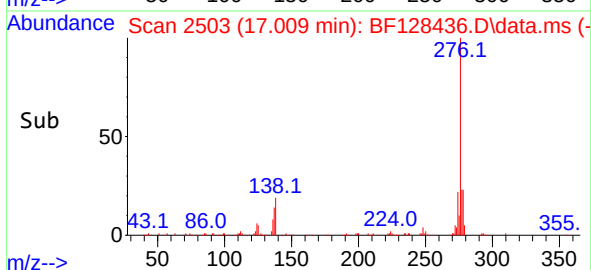
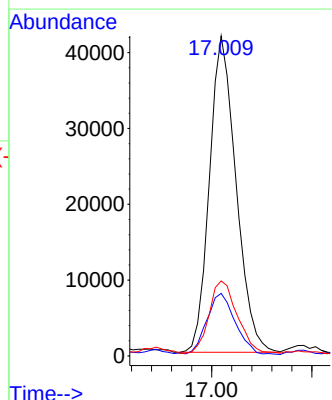
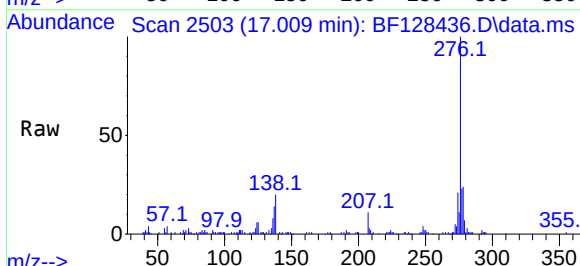
APPROVED

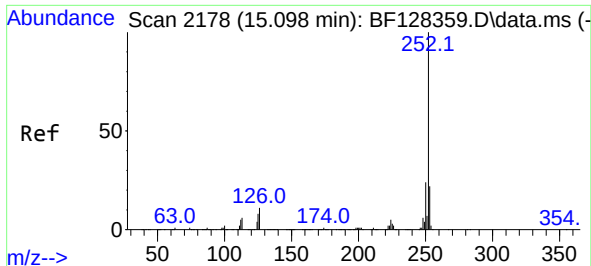
Reviewed By :Christian Giraldo 05/25/2022
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#87
Indeno(1,2,3-cd)pyrene
Concen: 6.373 ng
RT: 17.009 min Scan# 2503
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:276 Resp: 76842
Ion Ratio Lower Upper
276 100
138 20.6 19.0 28.4
277 24.3 20.1 30.1





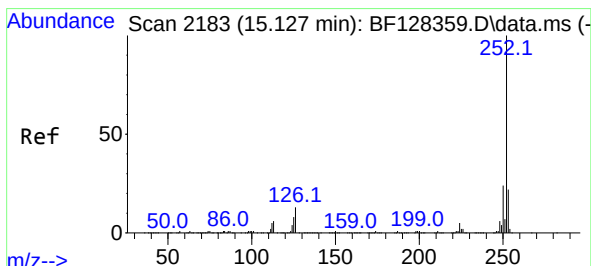
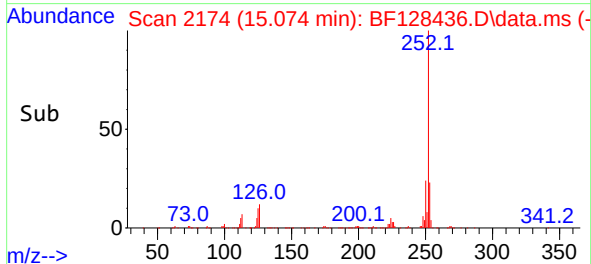
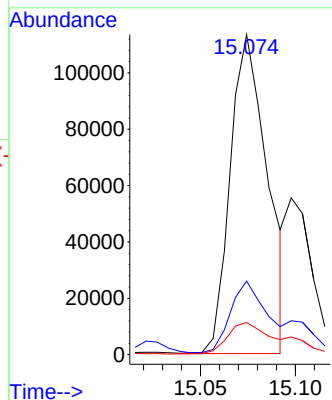
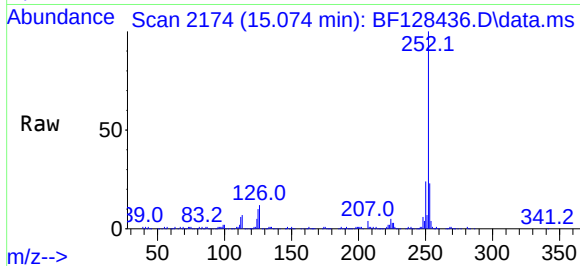
#88
Benzo(b)fluoranthene
Concen: 11.790 ng m
RT: 15.074 min Scan# 2174
Delta R.T. -0.000 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Instrument :
BNA_F
ClientSampleId :
SB-13(3-3.5)

Tgt Ion:252 Resp: 15492
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.1 7.4 11.2

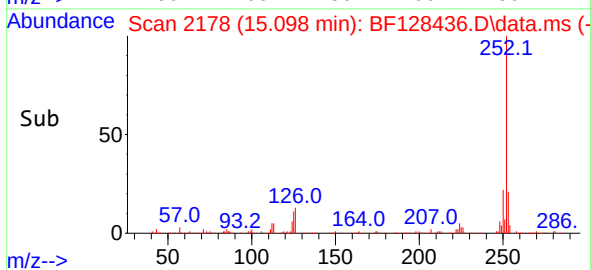
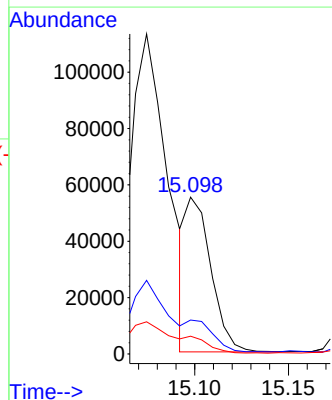
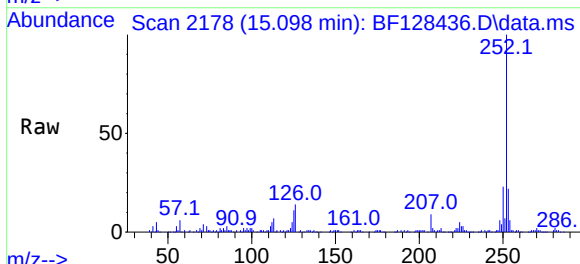
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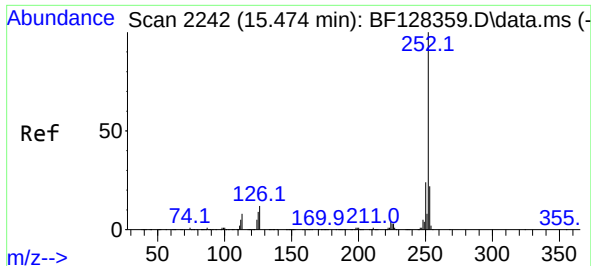
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#89
Benzo(k)fluoranthene
Concen: 4.120 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:252 Resp: 50706
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.4
125 11.4 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 10.524 ng
RT: 15.445 min Scan# 211014
Delta R.T. -0.006 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Instrument :

BNA_F

ClientSampleId :

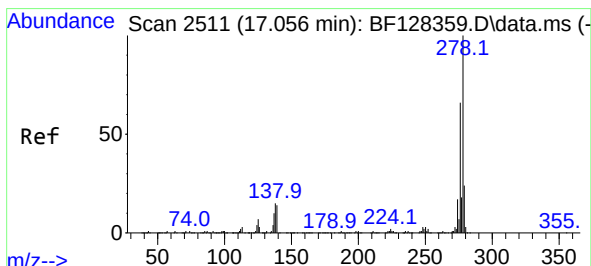
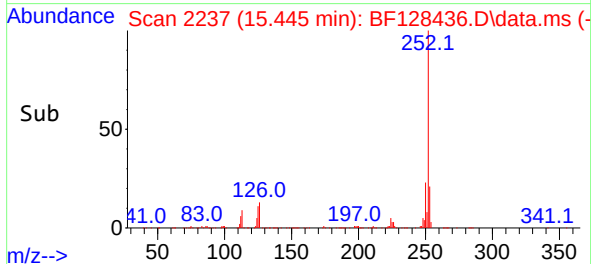
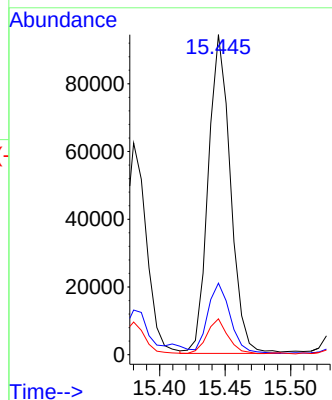
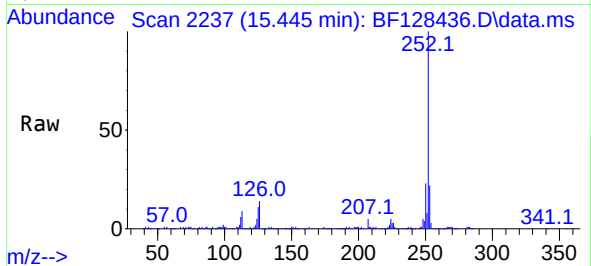
SB-13(3-3.5)

Tgt Ion:252 Resp: 111014
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 11.2 9.2 13.8

Manual Integrations

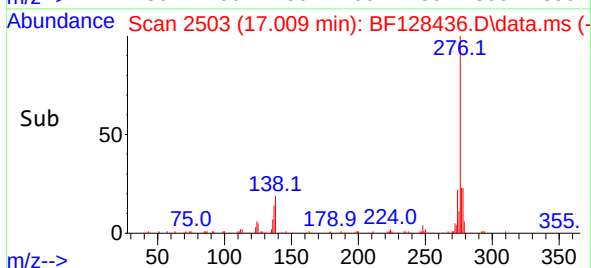
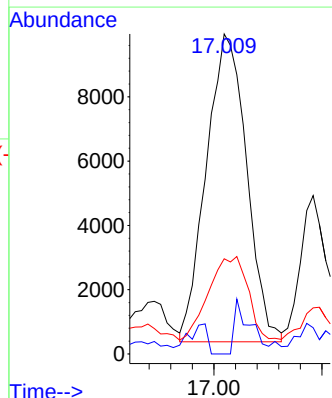
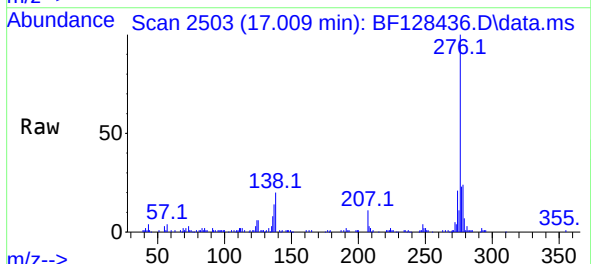
APPROVED

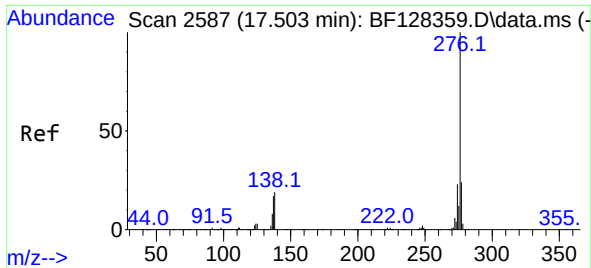
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.567 ng m
RT: 17.009 min Scan# 2503
Delta R.T. -0.018 min
Lab File: BF128436.D
Acq: 24 May 2022 15:48

Tgt Ion:278 Resp: 24835
Ion Ratio Lower Upper
278 100
139 0.0 12.6 19.0#
279 29.8 18.9 28.3#





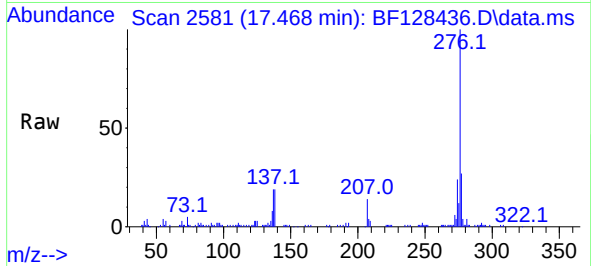
#92
 Benzo(g,h,i)perylene
 Concen: 6.479 ng
 RT: 17.468 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF128436.D
 Acq: 24 May 2022 15:48

Instrument :

BNA_F

ClientSampleId :

SB-13(3-3.5)



Tgt Ion:276 Resp: 6538
 Ion Ratio Lower Upper
 276 100
 277 26.9 18.8 28.2
 138 19.0 16.2 24.2

Manual Integrations

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 Supervised By :Jagrut Upadhyay 05/25/2022

