

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128446.D
 Acq On : 24 May 2022 20:41
 Operator : CG\JU
 Sample : N2981-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0.5-1)

Manual Integrations
 APPROVED

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

Quant Time: May 25 03:56:27 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	78035	20.000	ng	0.00
21) Naphthalene-d8	8.127	136	274001	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	133976	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	247805	20.000	ng	0.00
76) Chrysene-d12	14.027	240	179144	20.000	ng	0.00
86) Perylene-d12	15.509	264	130989	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	441454	90.026	ng	0.00
7) Phenol-d6	6.486	99	537889	83.303	ng	0.00
23) Nitrobenzene-d5	7.410	82	359781	58.832	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	113964	82.482	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	540087	65.924	ng	0.00
79) Terphenyl-d14	12.962	244	627123	67.577	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.916	154	18706	2.772	ng	97
55) Dibenzofuran	10.092	168	22050	2.155	ng	94
58) Fluorene	10.433	166	16458	2.053	ng	95
71) Phenanthrene	11.398	178	299089	24.731	ng	99
72) Anthracene	11.451	178	71565	5.954	ng	98
73) Carbazole	11.616	167	40207	3.354	ng	99
75) Fluoranthene	12.598	202	483214	36.896	ng	97
78) Pyrene	12.827	202	401243	29.914	ng	99
81) Benzo(a)anthracene	14.015	228	228870	20.080	ng	98
83) Chrysene	14.051	228	186863	17.214	ng	96
84) Bis(2-ethylhexyl)phtha...	13.986	149	41317	5.809	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	79737	10.665	ng	94
88) Benzo(b)fluoranthene	15.074	252	201580m	24.739	ng	
89) Benzo(k)fluoranthene	15.104	252	72466m	9.495	ng	
90) Benzo(a)pyrene	15.451	252	132834	20.307	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	22050	3.676	ng	# 91
92) Benzo(g,h,i)perylene	17.474	276	72672	11.612	ng	96

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

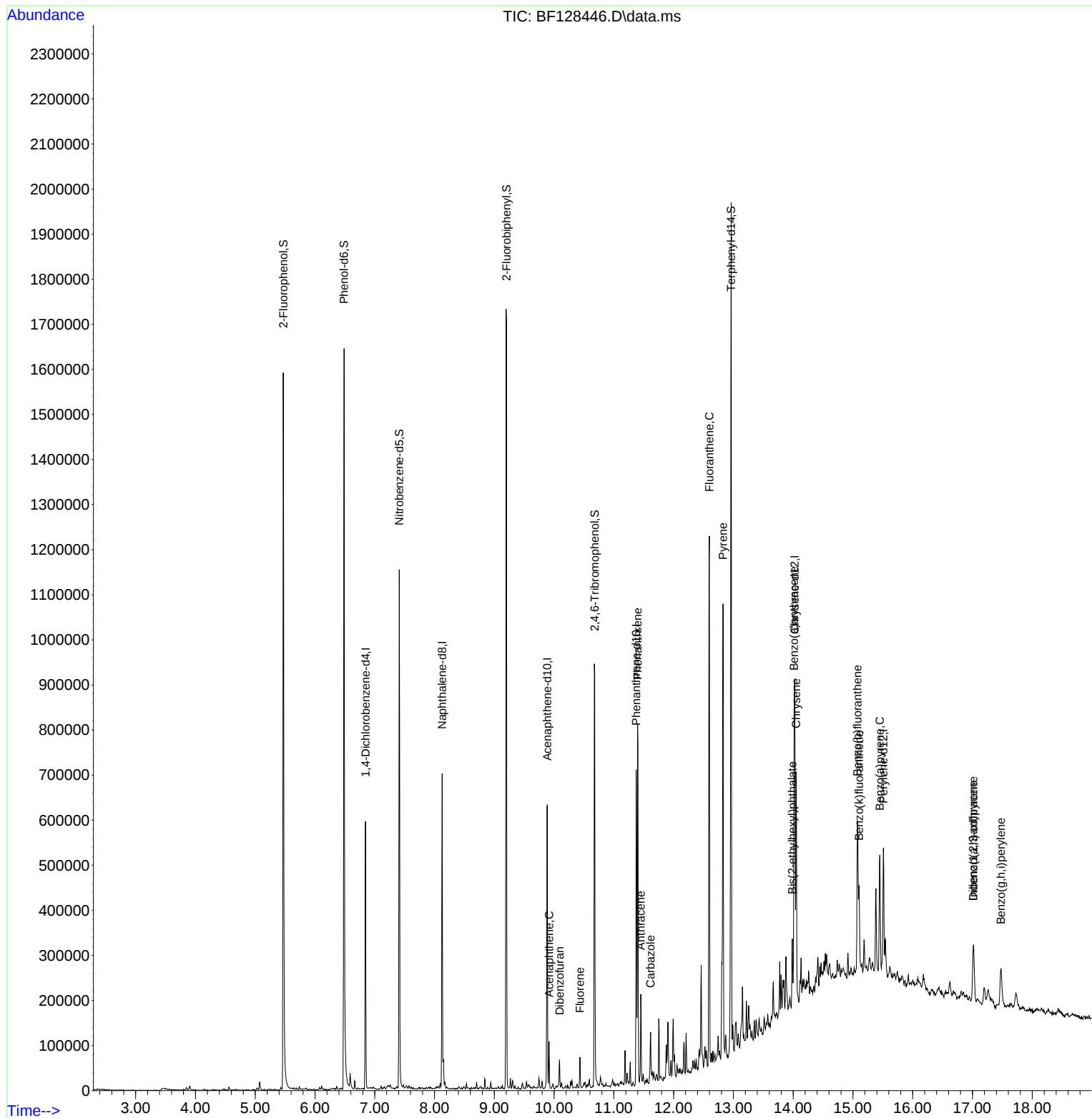
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
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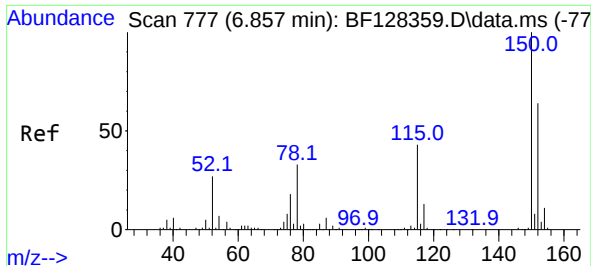
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
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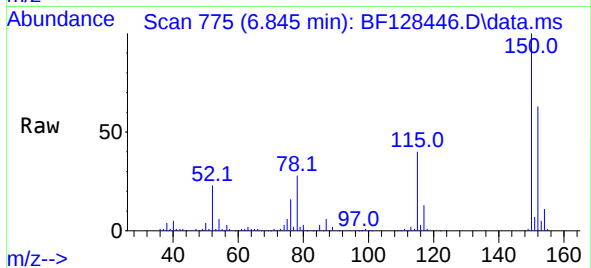
Reviewed By : Christian Giraldo 05/25/2022
Supervised By : Jagrut Upadhyay 05/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

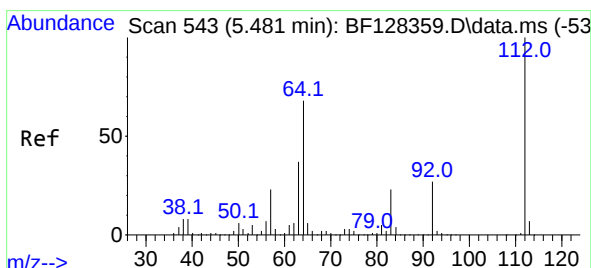
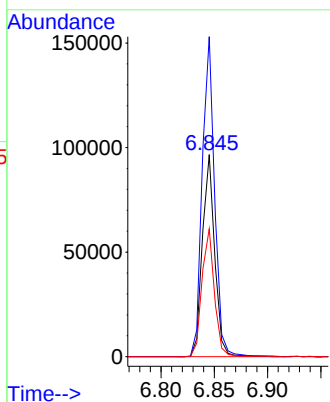
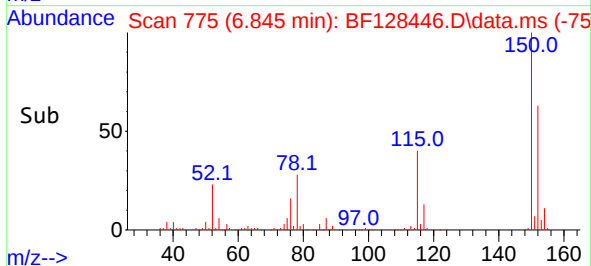
Instrument :
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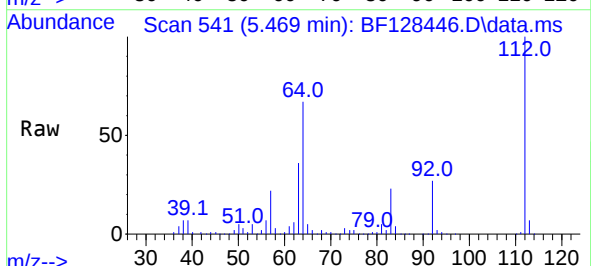
Tgt Ion:152 Resp: 7803
Ion Ratio Lower Upper
152 100
150 158.4 125.3 187.9
115 63.3 48.8 73.2

Manual Integrations
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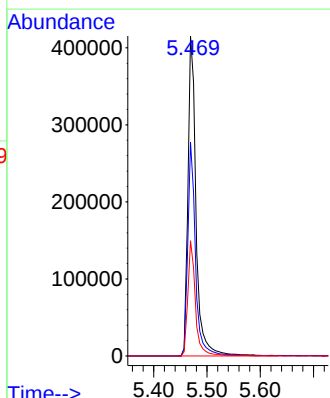
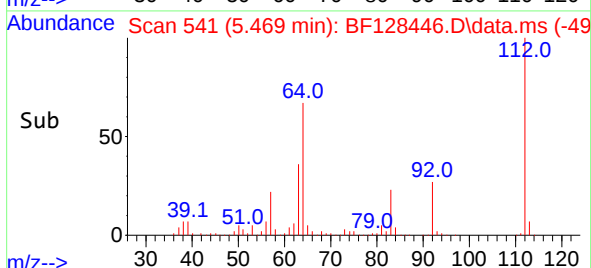
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Supervised By :Jagrut Upadhyay 05/25/2022

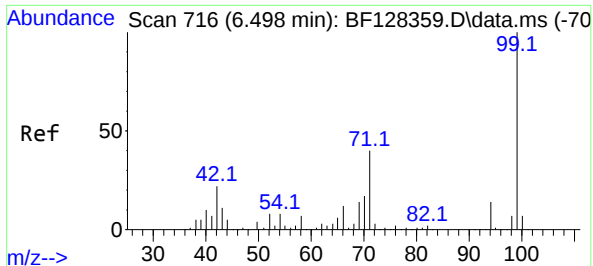


#5
2-Fluorophenol
Concen: 90.026 ng
RT: 5.469 min Scan# 541
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41



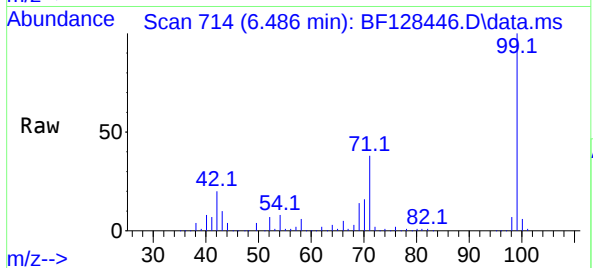
Tgt Ion:112 Resp: 441454
Ion Ratio Lower Upper
112 100
64 66.8 49.5 74.3
63 36.0 26.3 39.5





#7
Phenol-d6
Concen: 83.303 ng
RT: 6.486 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

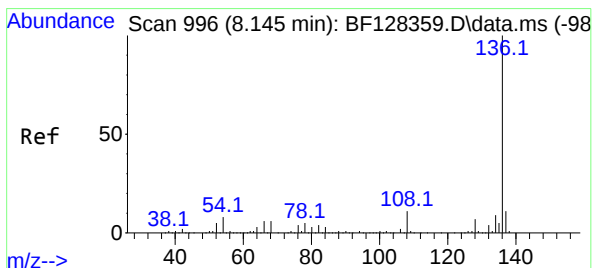
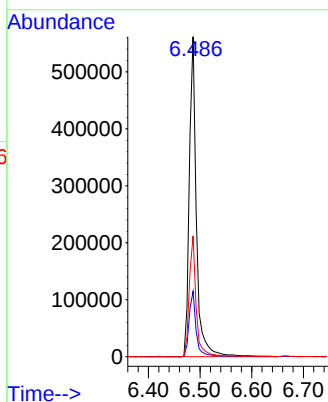
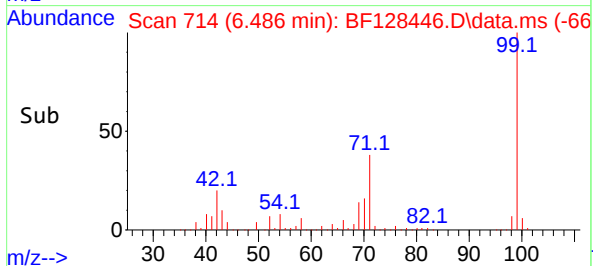
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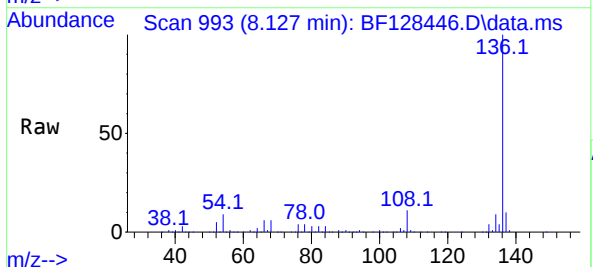
Tgt Ion: 99 Resp: 537889
Ion Ratio Lower Upper
99 100
42 20.4 16.6 24.8
71 37.8 30.0 45.0

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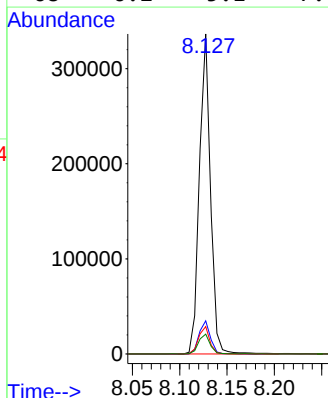
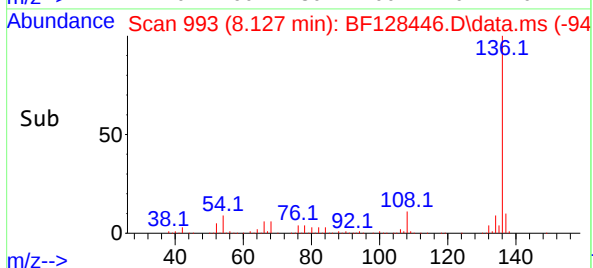
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

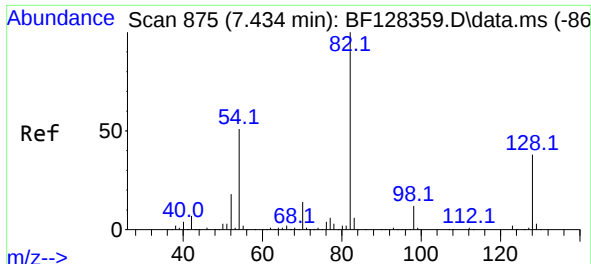


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.127 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41



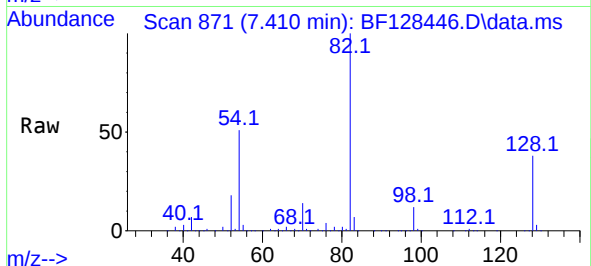
Tgt Ion:136 Resp: 274001
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.5 6.8 10.2
68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 58.832 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

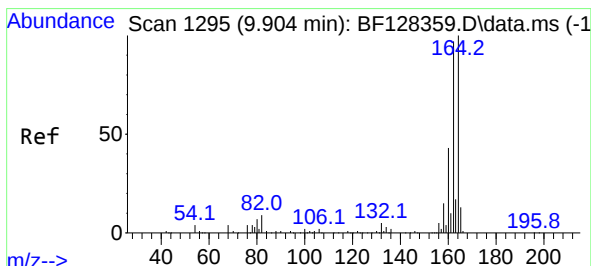
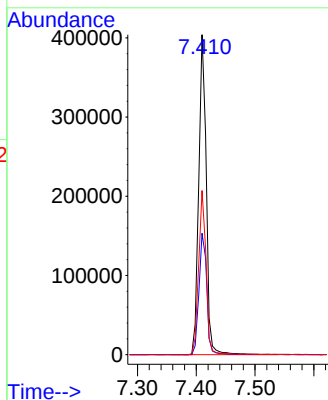
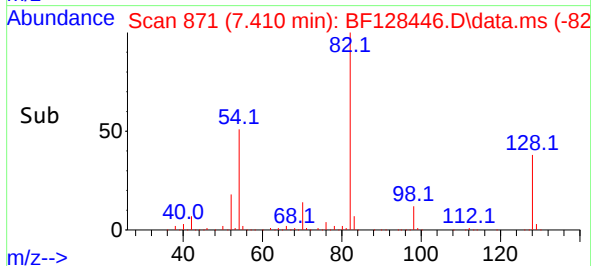
Instrument :
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SB-12(0.5-1)



Tgt Ion: 82 Resp: 35978
Ion Ratio Lower Upper
82 100
128 37.9 30.0 45.0
54 51.3 41.3 61.9

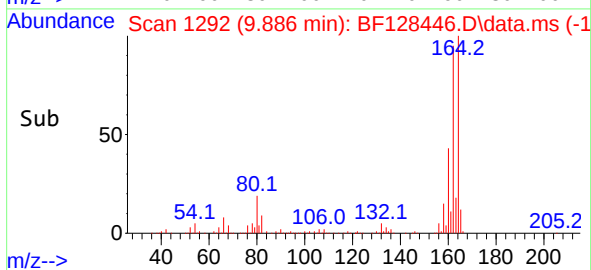
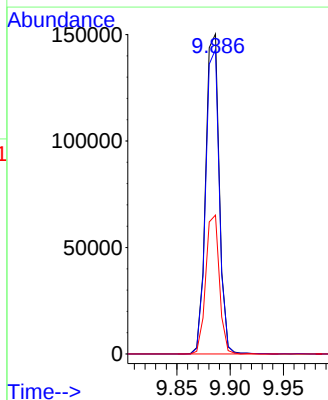
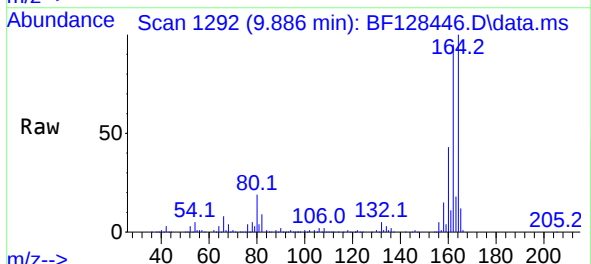
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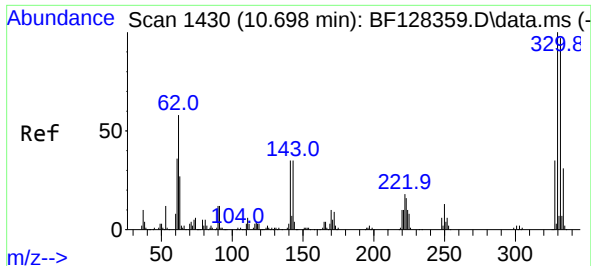
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Tgt Ion:164 Resp: 133976
Ion Ratio Lower Upper
164 100
162 95.1 76.0 114.0
160 43.4 34.8 52.2





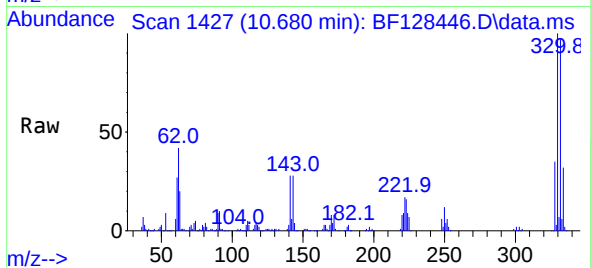
#42
2,4,6-Tribromophenol
Concen: 82.482 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Instrument :

BNA_F

ClientSampleId :

SB-12(0.5-1)

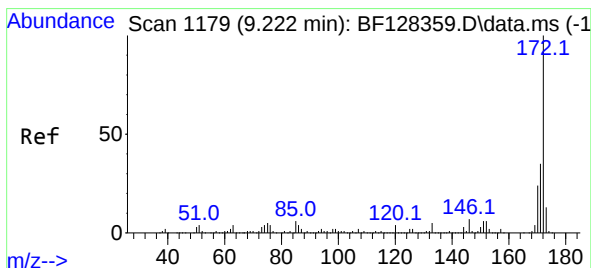
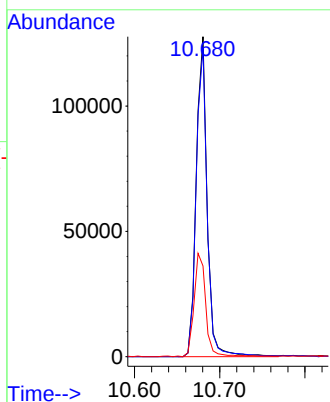
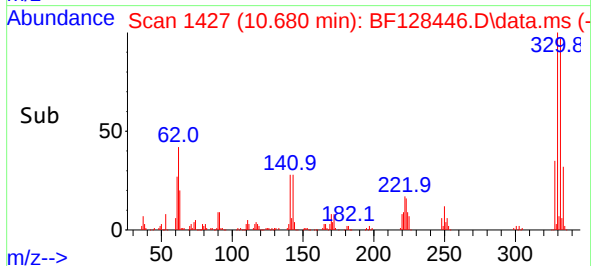


Tgt Ion: 330 Resp: 113964
Ion Ratio Lower Upper
330 100
332 97.5 79.0 118.4
141 34.9 28.9 43.3

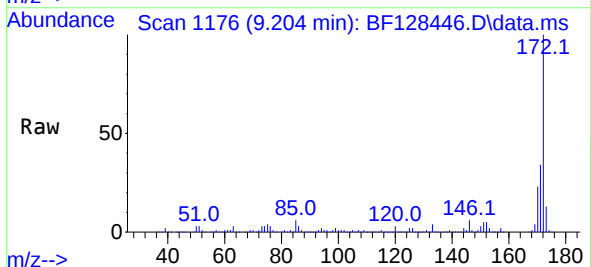
Manual Integrations

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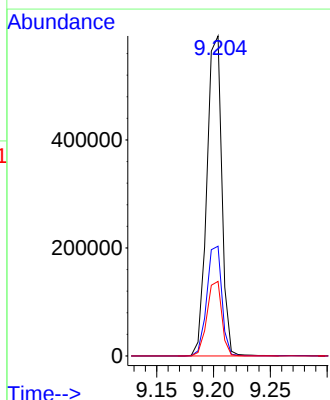
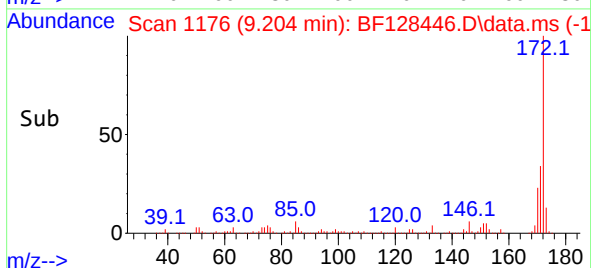
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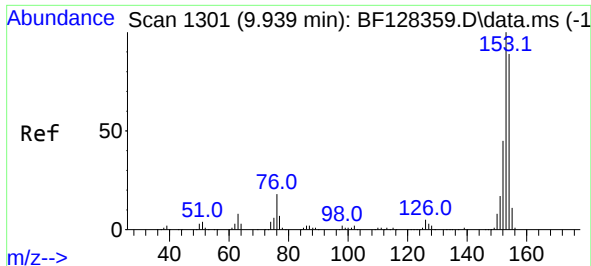


#45
2-Fluorobiphenyl
Concen: 65.924 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41



Tgt Ion: 172 Resp: 540087
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 23.3 19.1 28.7





#52
Acenaphthene
Concen: 2.772 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Instrument :

BNA_F

ClientSampleId :

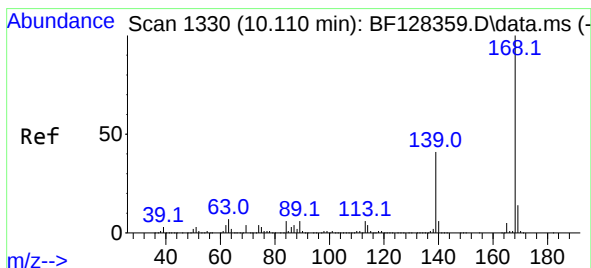
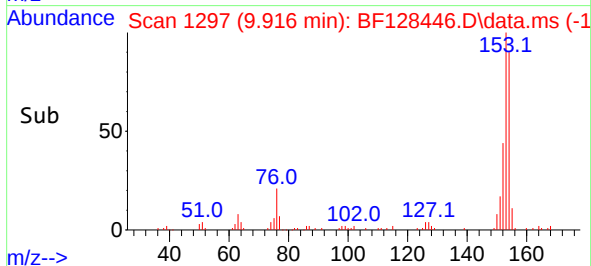
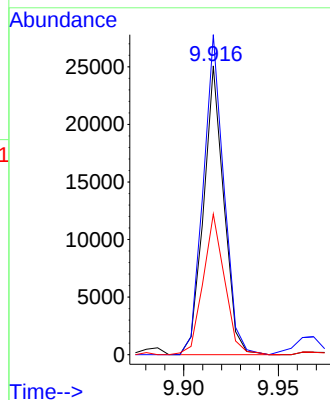
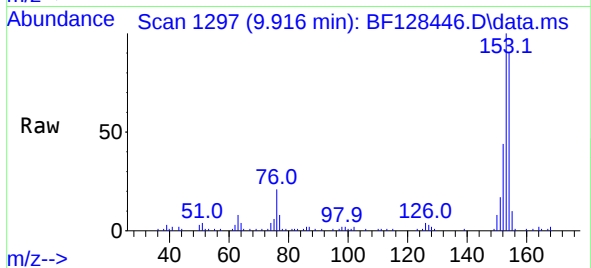
SB-12(0.5-1)

Tgt Ion:154 Resp: 18700
Ion Ratio Lower Upper
154 100
153 110.8 90.5 135.7
152 48.7 41.0 61.6

Manual Integrations

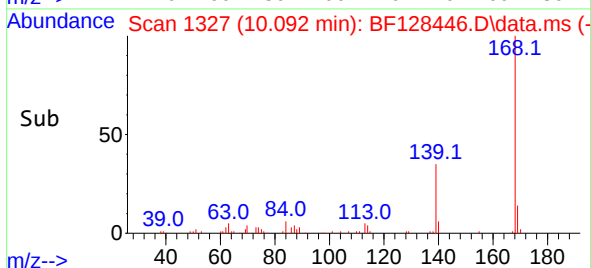
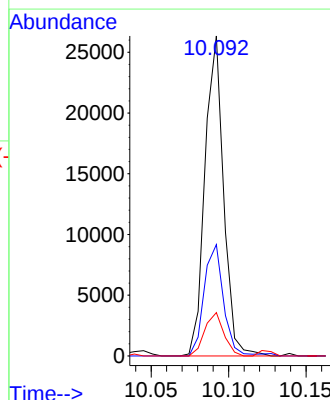
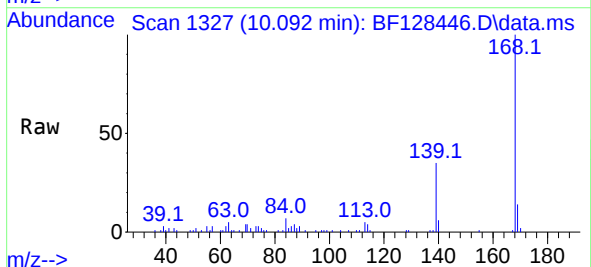
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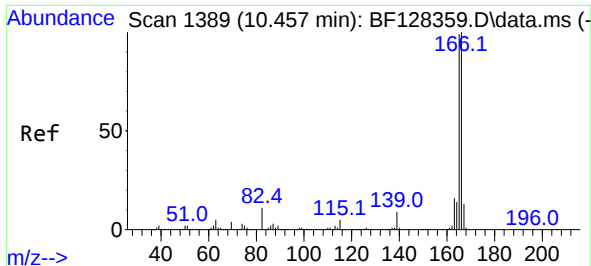
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#55
Dibenzofuran
Concen: 2.155 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

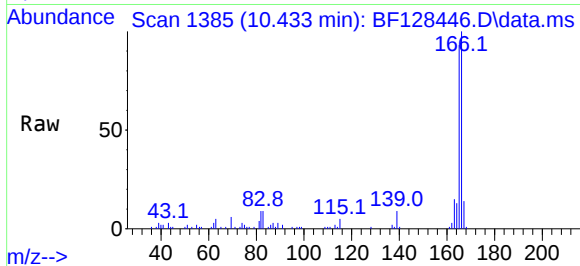
Tgt Ion:168 Resp: 22050
Ion Ratio Lower Upper
168 100
139 34.8 31.7 47.5
169 13.6 10.9 16.3





#58
Fluorene
Concen: 2.053 ng
RT: 10.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

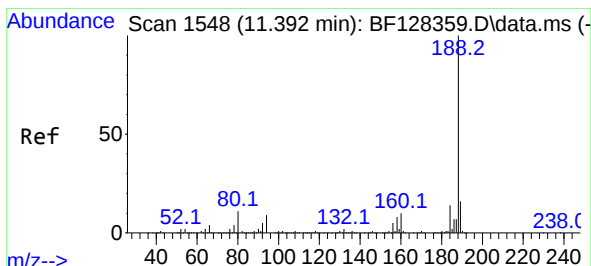
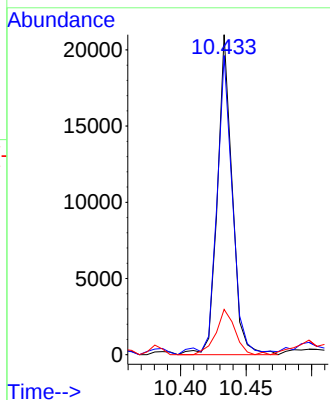
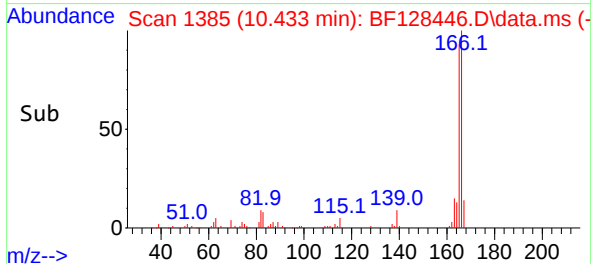
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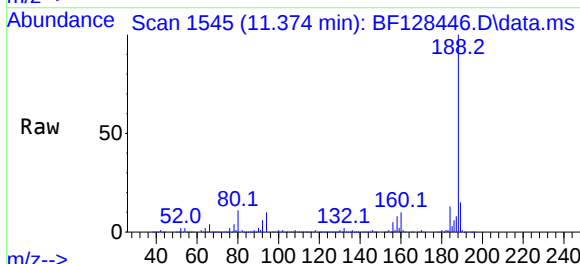
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Ion Ratio Lower Upper
166 100
165 93.5 78.6 117.8
167 14.1 10.5 15.7

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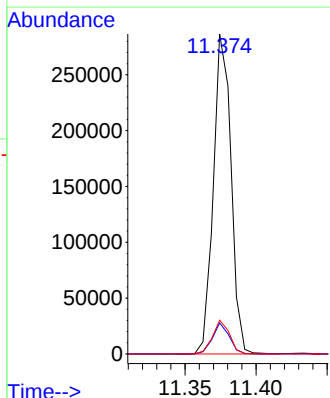
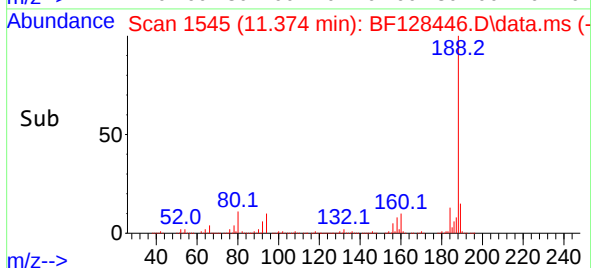
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

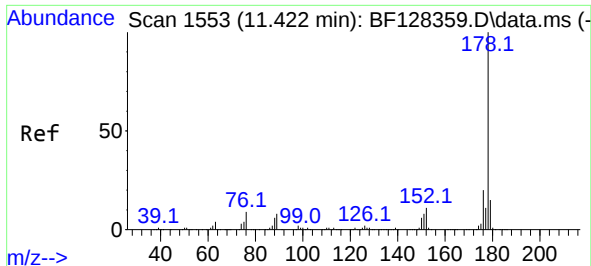


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41



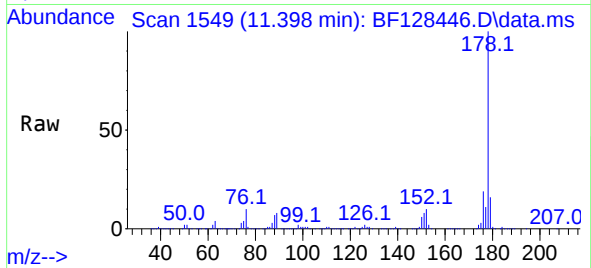
Tgt Ion:188 Resp: 247805
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.6 8.9 13.3





#71
Phenanthrene
Concen: 24.731 ng
RT: 11.398 min Scan# 11553
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

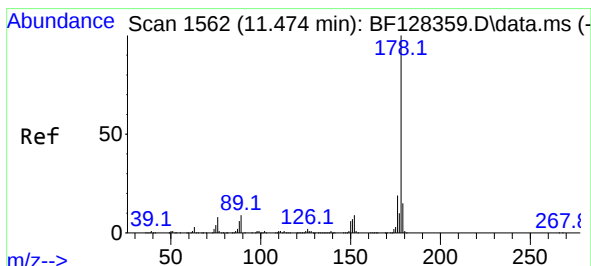
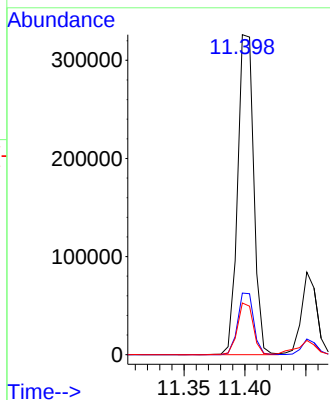
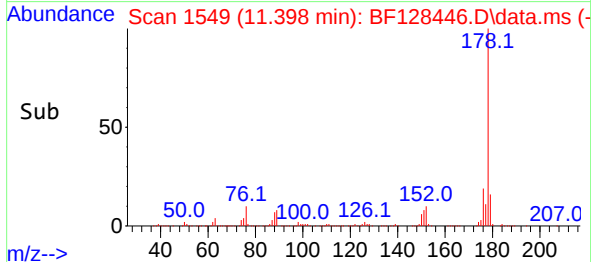
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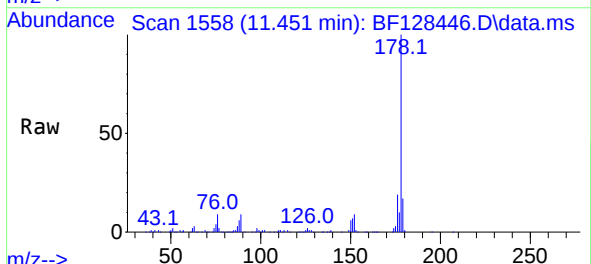
Tgt Ion:178 Resp: 299089
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 16.2 12.6 19.0

Manual Integrations
APPROVED

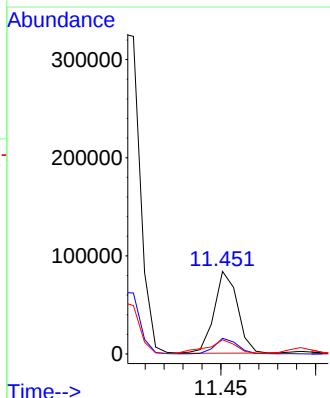
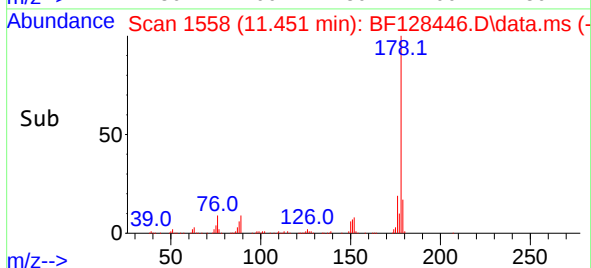
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

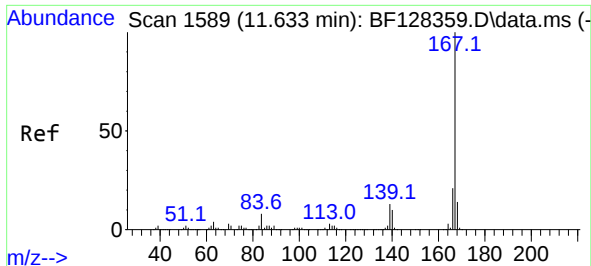


#72
Anthracene
Concen: 5.954 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41



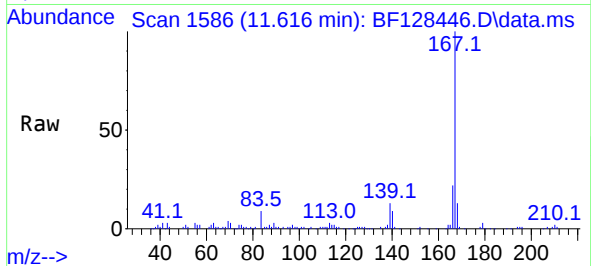
Tgt Ion:178 Resp: 71565
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 17.3 12.4 18.6





#73
 Carbazole
 Concen: 3.354 ng
 RT: 11.616 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128446.D
 Acq: 24 May 2022 20:41

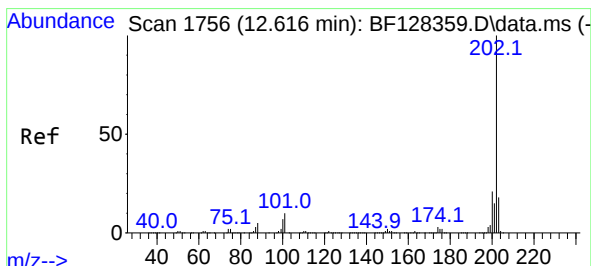
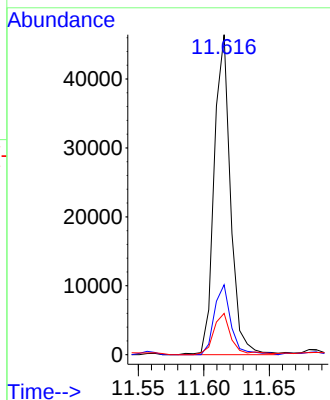
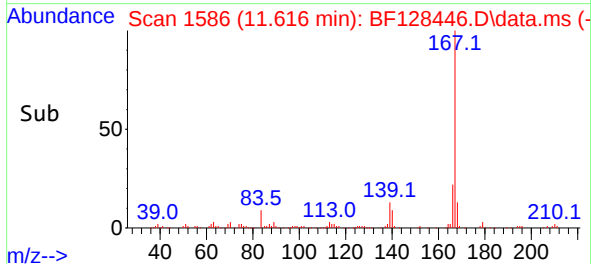
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0.5-1)



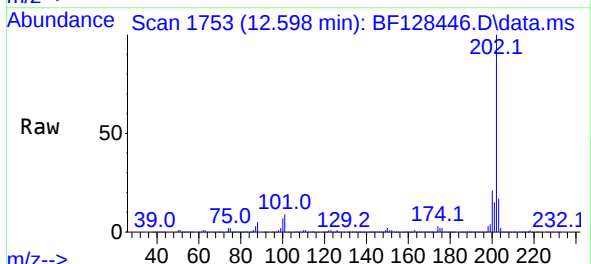
Tgt Ion:167 Resp: 4020
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 12.9 10.7 16.1

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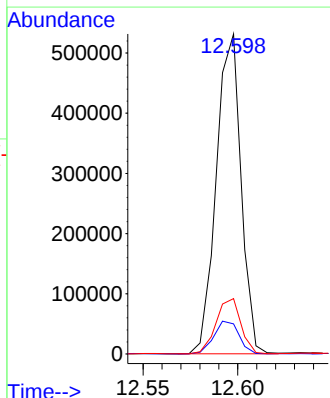
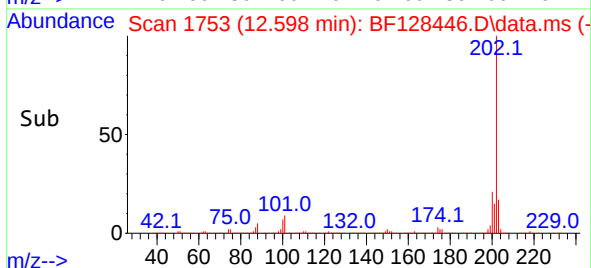
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

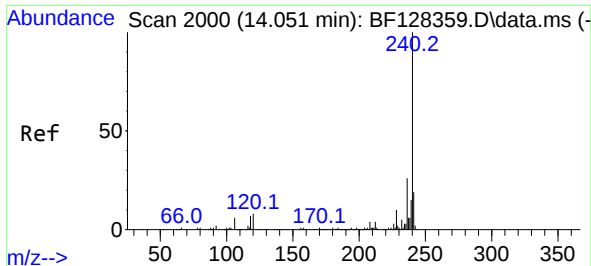


#75
 Fluoranthene
 Concen: 36.896 ng
 RT: 12.598 min Scan# 1753
 Delta R.T. -0.000 min
 Lab File: BF128446.D
 Acq: 24 May 2022 20:41



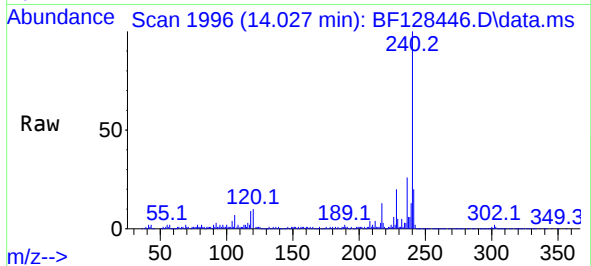
Tgt Ion:202 Resp: 483214
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.6
 203 17.3 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

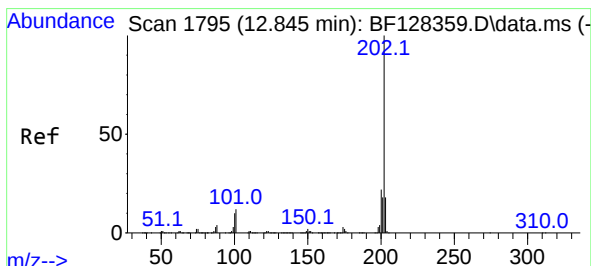
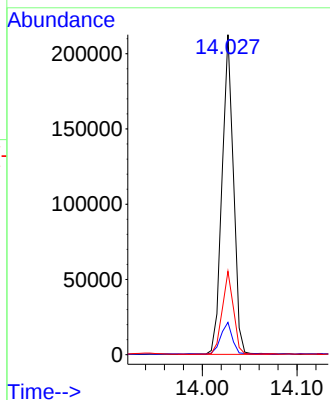
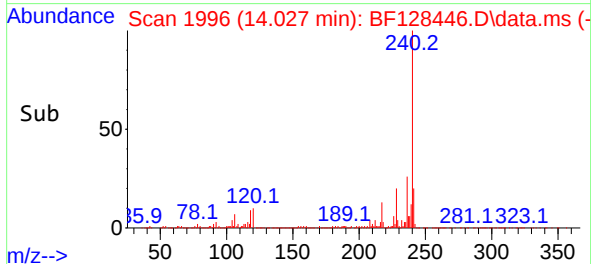
Instrument :
BNA_F
ClientSampleId :
SB-12(0.5-1)



Tgt Ion:240 Resp: 179144
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 26.0 20.3 30.5

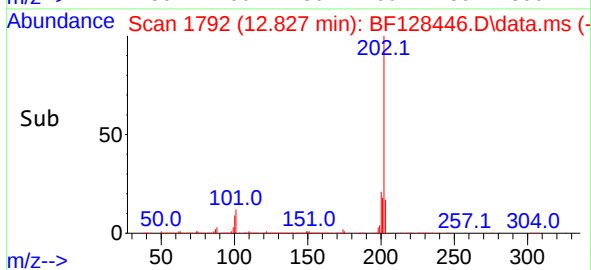
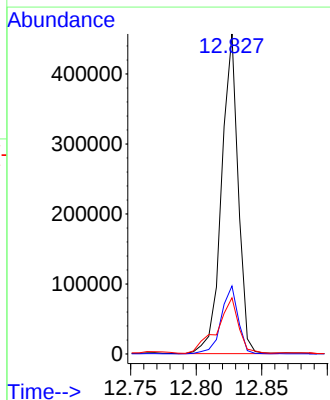
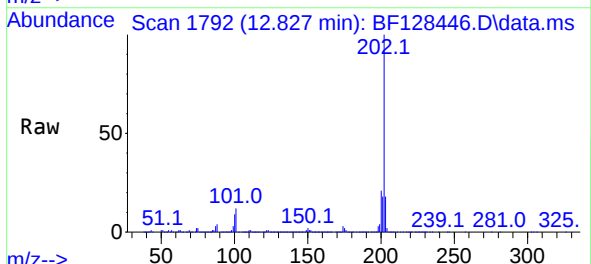
Manual Integrations
APPROVED

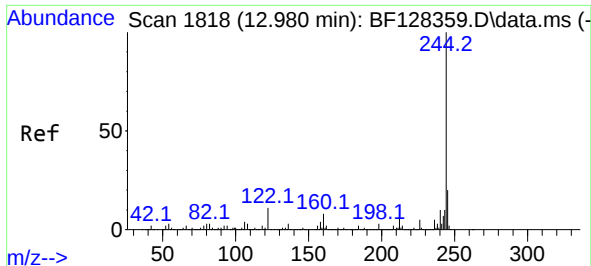
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#78
Pyrene
Concen: 29.914 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Tgt Ion:202 Resp: 401243
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.5 14.0 21.0





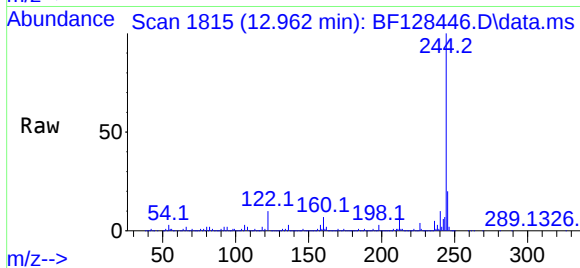
#79
 Terphenyl-d14
 Concen: 67.577 ng
 RT: 12.962 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128446.D
 Acq: 24 May 2022 20:41

Instrument :

BNA_F

ClientSampleId :

SB-12(0.5-1)

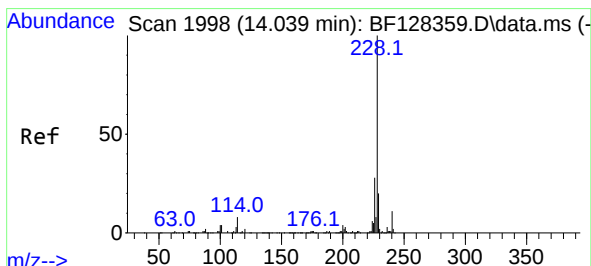
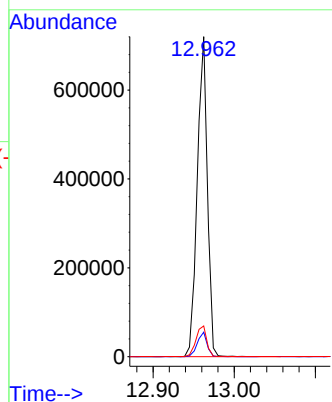
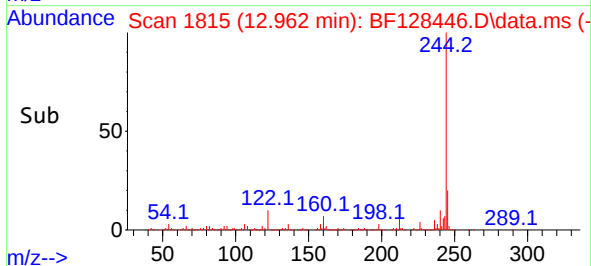


Tgt Ion:244 Resp: 62712
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.4
 122 9.6 8.6 12.8

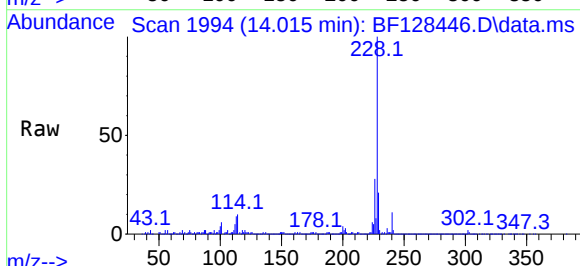
Manual Integrations

APPROVED

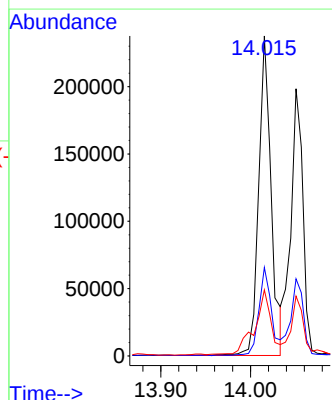
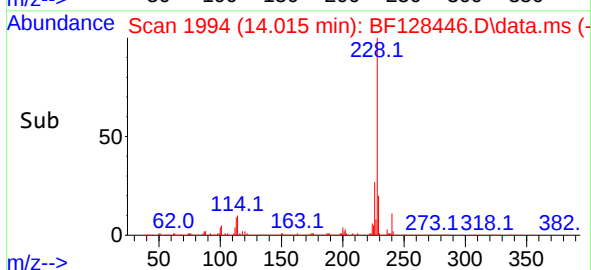
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022

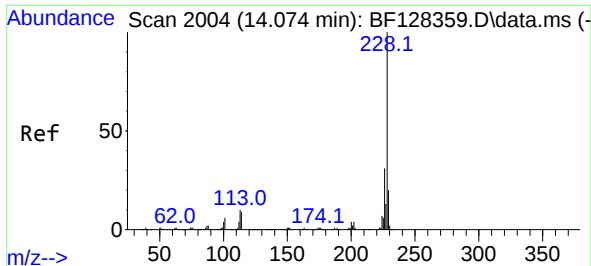


#81
 Benzo(a)anthracene
 Concen: 20.080 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.006 min
 Lab File: BF128446.D
 Acq: 24 May 2022 20:41



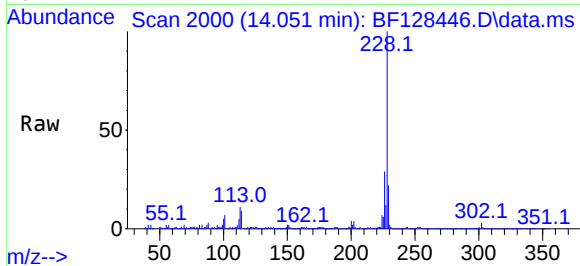
Tgt Ion:228 Resp: 228870
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.7 32.5
 229 20.7 15.4 23.2





#83
Chrysene
Concen: 17.214 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

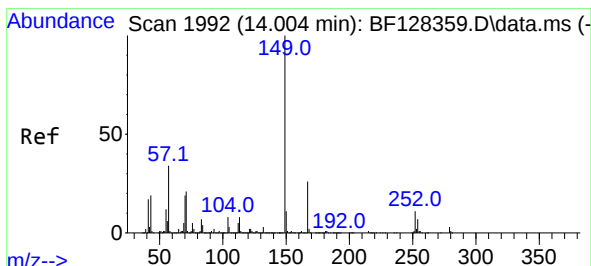
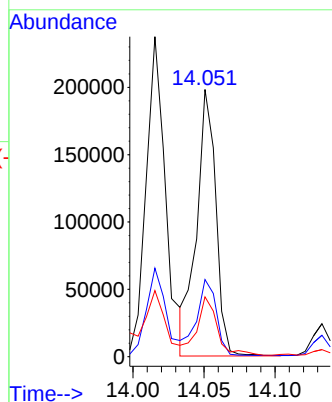
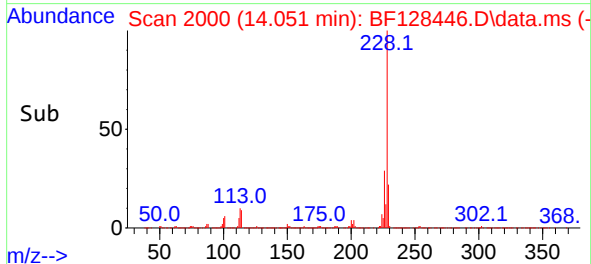
Instrument :
BNA_F
ClientSampleId :
SB-12(0.5-1)



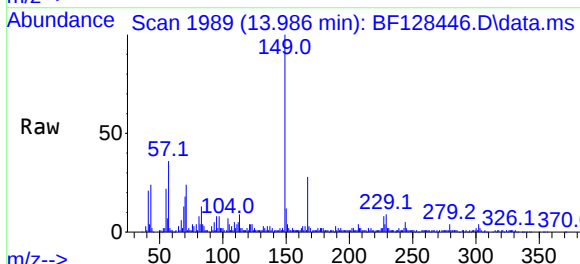
Tgt Ion:228 Resp: 18686
Ion Ratio Lower Upper
228 100
226 28.8 24.4 36.6
229 22.4 15.8 23.8

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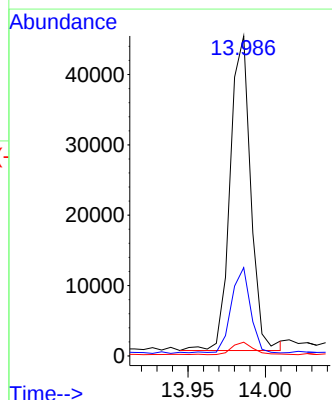
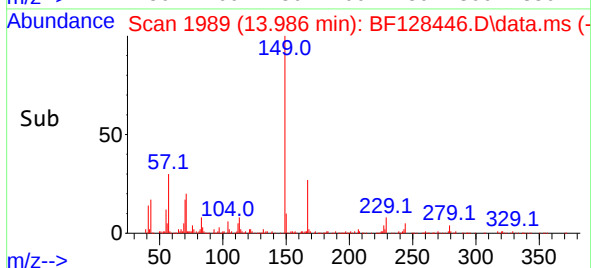
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

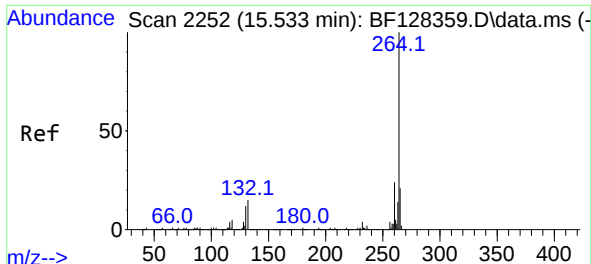


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.809 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41



Tgt Ion:149 Resp: 41317
Ion Ratio Lower Upper
149 100
167 27.6 22.0 33.0
279 4.3 3.4 5.0





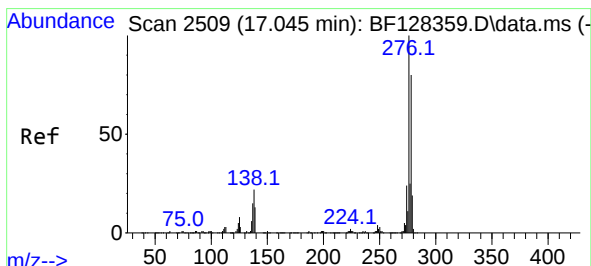
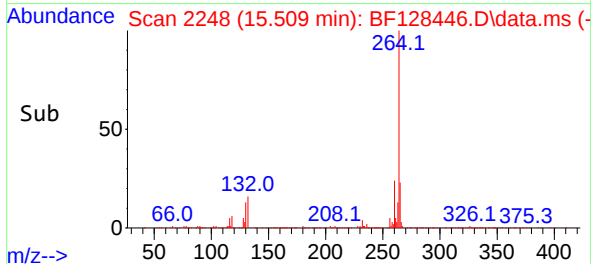
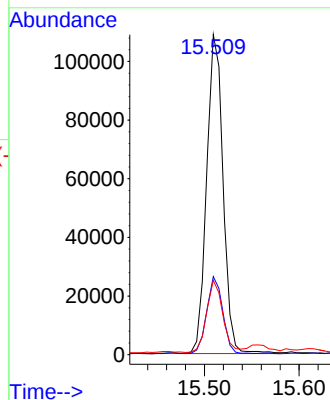
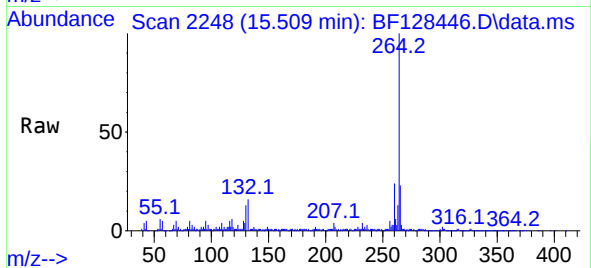
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Instrument :
BNA_F
ClientSampleId :
SB-12(0.5-1)

Tgt Ion:264 Resp: 130989
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 23.2 17.5 26.3

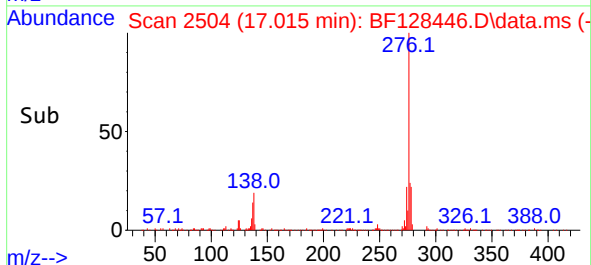
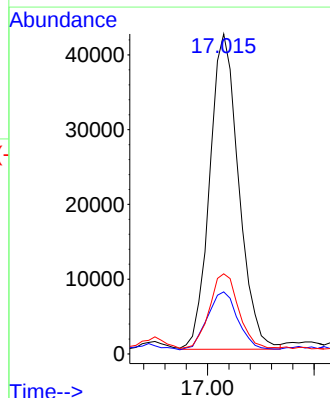
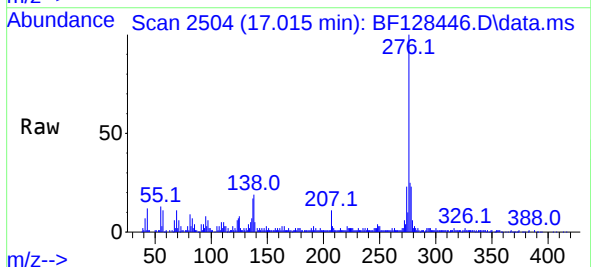
Manual Integrations
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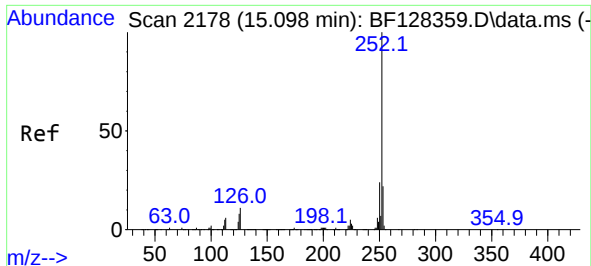
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.665 ng
RT: 17.015 min Scan# 2504
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Tgt Ion:276 Resp: 79737
Ion Ratio Lower Upper
276 100
138 19.4 19.0 28.4
277 23.6 20.1 30.1





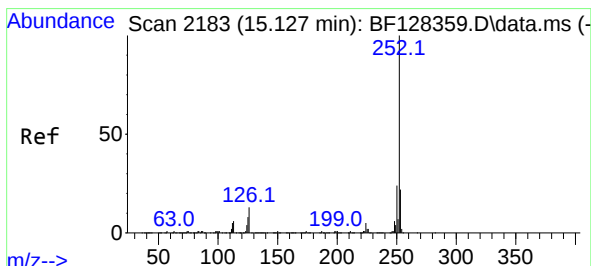
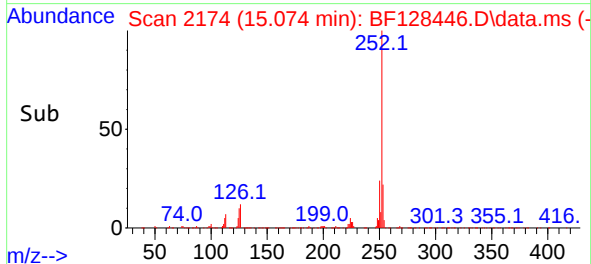
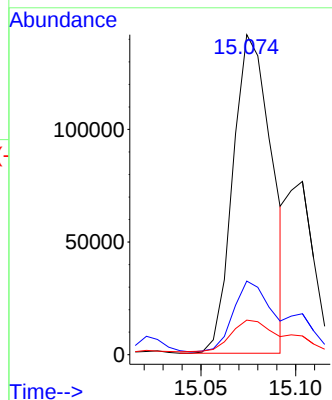
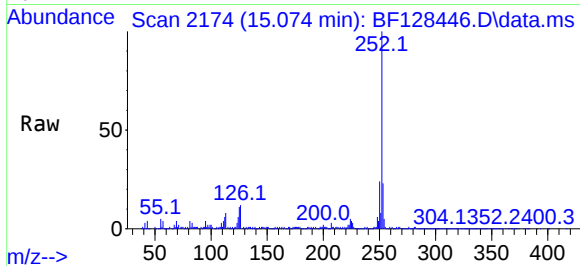
#88
Benzo(b)fluoranthene
Concen: 24.739 ng m
RT: 15.074 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Instrument :
BNA_F
ClientSampleId :
SB-12(0.5-1)

Tgt Ion:252 Resp: 201580
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.8 7.4 11.2

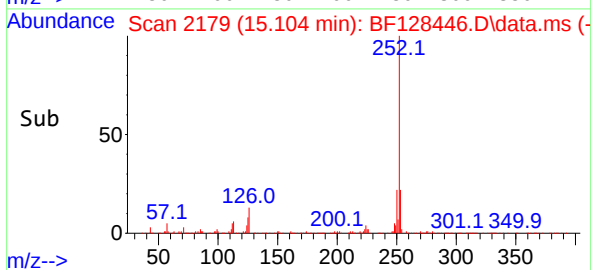
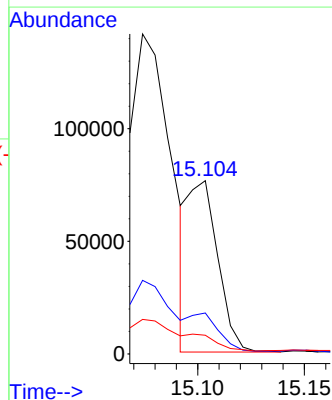
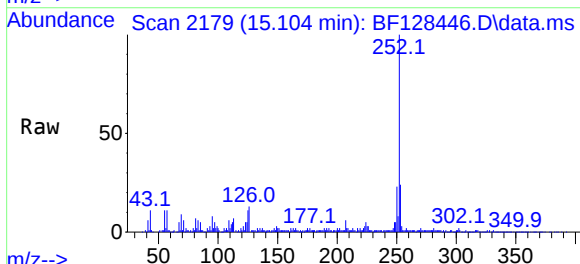
Manual Integrations
APPROVED

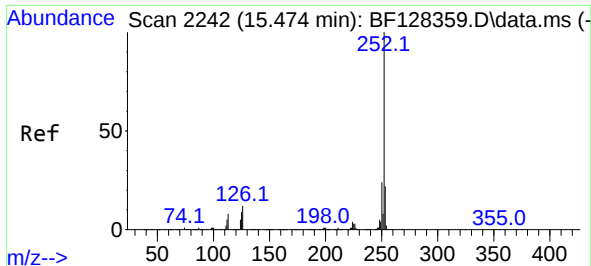
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#89
Benzo(k)fluoranthene
Concen: 9.495 ng m
RT: 15.104 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

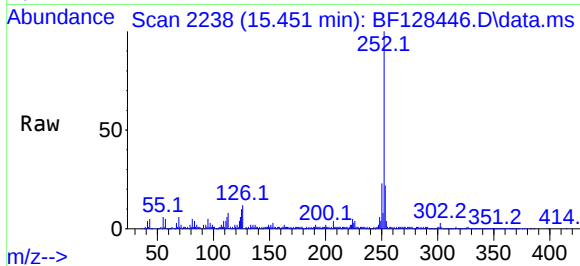
Tgt Ion:252 Resp: 72466
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 10.8 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 20.307 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

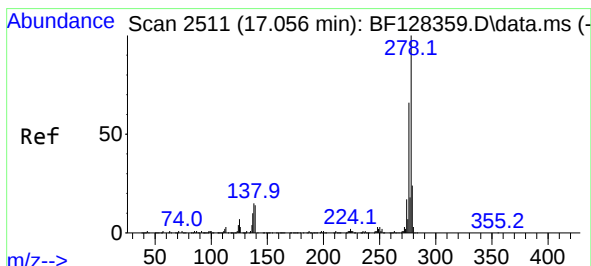
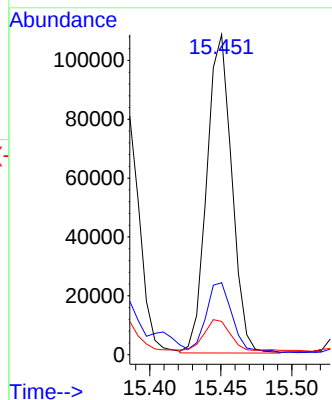
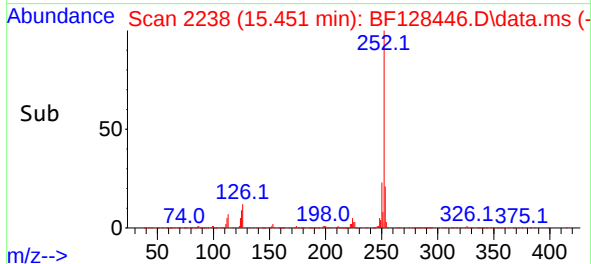
Instrument :
BNA_F
ClientSampleId :
SB-12(0.5-1)



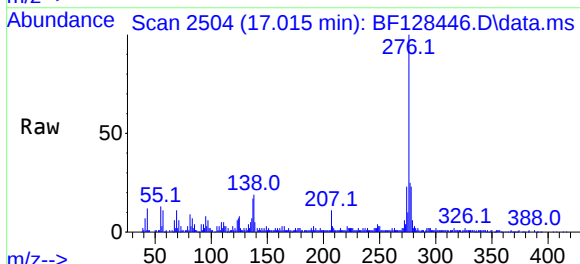
Tgt Ion:252 Resp: 132834
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 10.4 9.2 13.8

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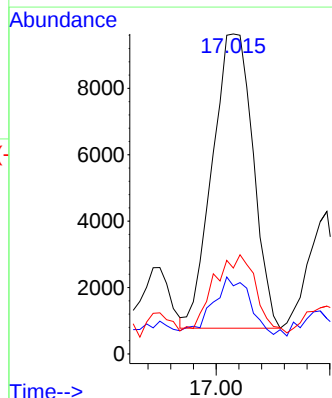
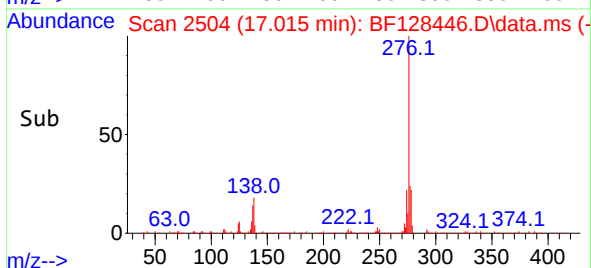
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022

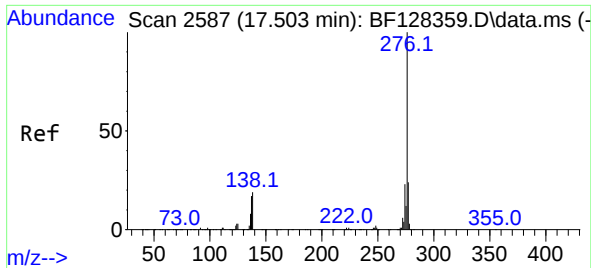


#91
Dibenzo(a,h)anthracene
Concen: 3.676 ng
RT: 17.015 min Scan# 2504
Delta R.T. -0.012 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41



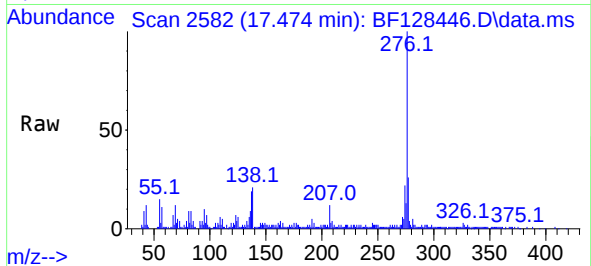
Tgt Ion:278 Resp: 22050
Ion Ratio Lower Upper
278 100
139 21.3 12.6 19.0#
279 26.8 18.9 28.3





#92
Benzo(g,h,i)perylene
Concen: 11.612 ng
RT: 17.474 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128446.D
Acq: 24 May 2022 20:41

Instrument :
BNA_F
ClientSampleId :
SB-12(0.5-1)



Tgt Ion:	276	Resp:	72672
Ion Ratio	Lower	Upper	
276	100		
277	25.8	18.8	28.2
138	21.2	16.2	24.2

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

