

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
 Data File : BF128443.D
 Acq On : 24 May 2022 19:13
 Operator : CG\JU
 Sample : N2981-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

Manual Integrations
 APPROVED

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

Quant Time: May 25 03:56:04 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	91920	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	357169	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	180739	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	271561	20.000	ng	0.00
76) Chrysene-d12	14.027	240	193813	20.000	ng	0.00
86) Perylene-d12	15.510	264	150405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	562193	97.330	ng	0.00
7) Phenol-d6	6.487	99	729598	95.925	ng	0.00
23) Nitrobenzene-d5	7.410	82	503788	63.198	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	145653	78.142	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	726566	65.740	ng	0.00
79) Terphenyl-d14	12.963	244	574630	57.234	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	330888	24.967	ng	100
72) Anthracene	11.451	178	95330	7.238	ng	100
75) Fluoranthene	12.598	202	694422	48.384	ng	98
78) Pyrene	12.827	202	613911	42.305	ng	99
81) Benzo(a)anthracene	14.015	228	397108	32.204	ng	97
83) Chrysene	14.051	228	318730	27.139	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	134618	15.681	ng	# 94
88) Benzo(b)fluoranthene	15.074	252	378554m	40.460	ng	
89) Benzo(k)fluoranthene	15.098	252	129078m	14.730	ng	
90) Benzo(a)pyrene	15.445	252	247490	32.952	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	37546m	5.451	ng	
92) Benzo(g,h,i)perylene	17.468	276	119727	16.661	ng	99

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

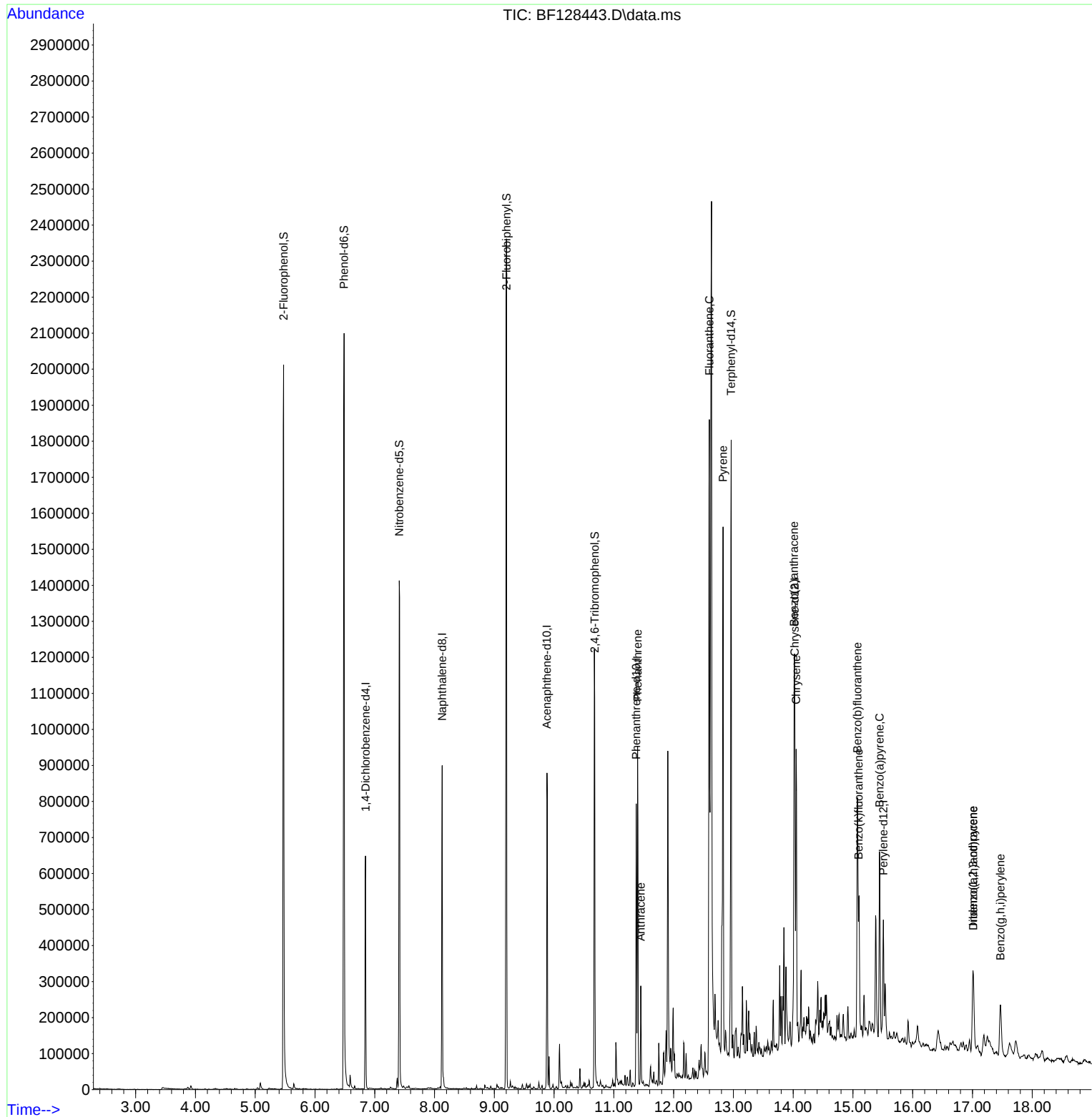
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052422\
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

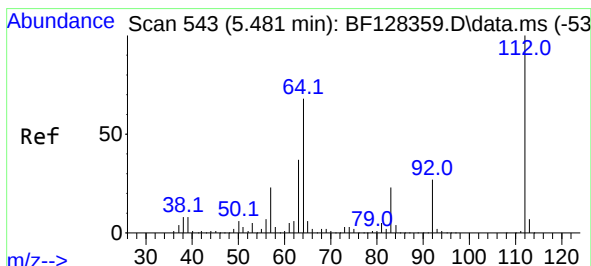
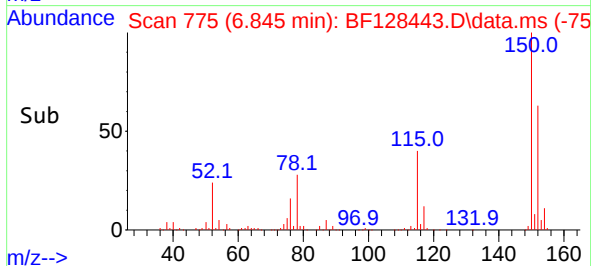
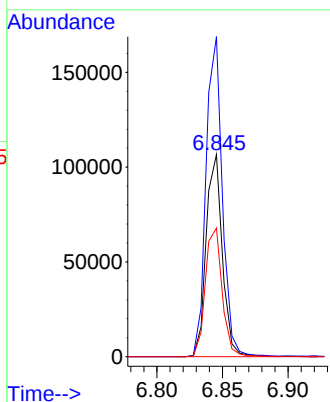
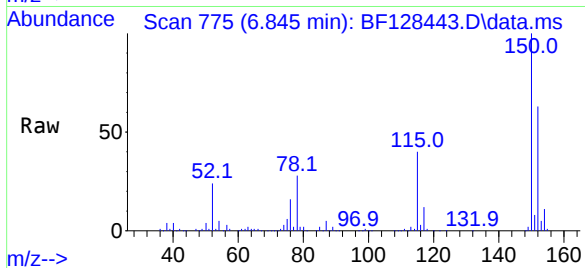
SB-14(0.5-1)

Tgt Ion:152 Resp: 91920
Ion Ratio Lower Upper
152 100
150 158.4 125.3 187.9
115 63.7 48.8 73.2

Manual Integrations

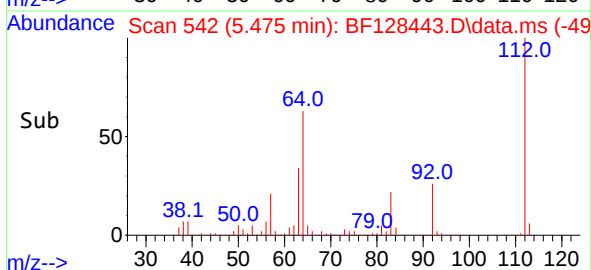
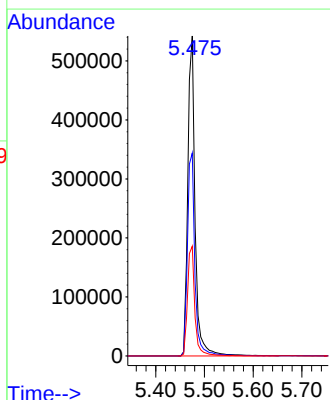
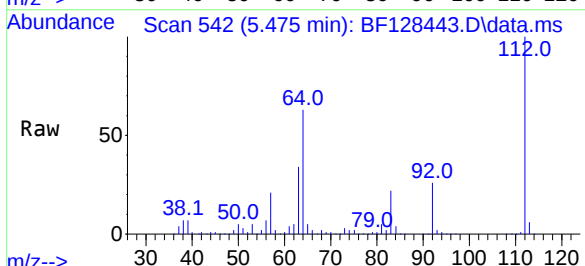
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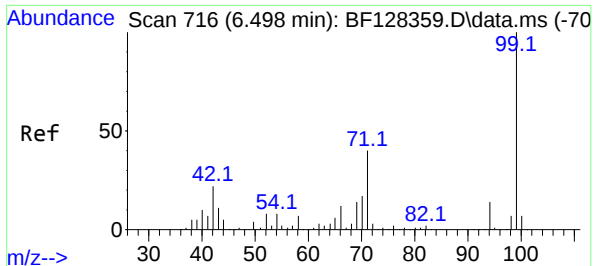
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#5
2-Fluorophenol
Concen: 97.330 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

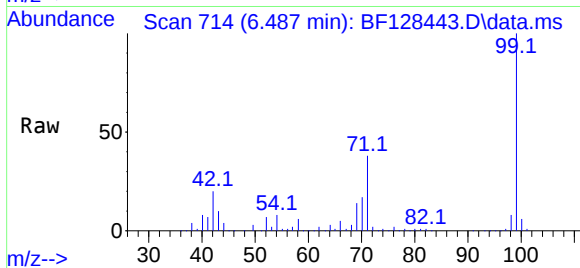
Tgt Ion:112 Resp: 562193
Ion Ratio Lower Upper
112 100
64 63.4 49.5 74.3
63 34.3 26.3 39.5





#7
Phenol-d6
Concen: 95.925 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

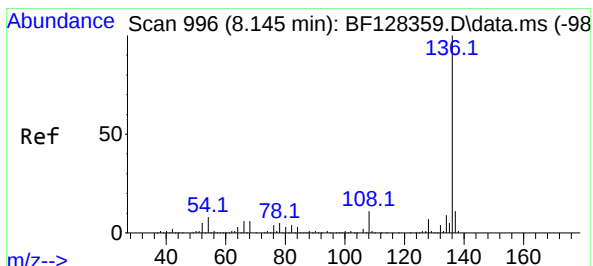
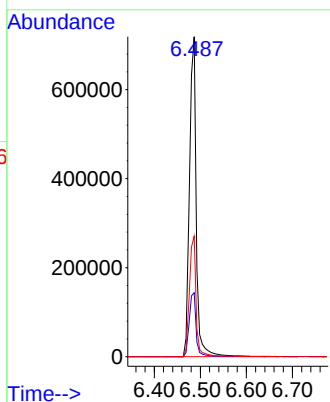
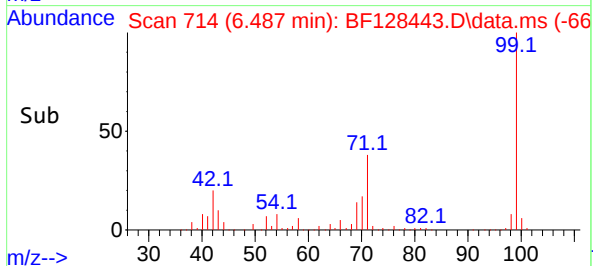
Instrument :
BNA_F
ClientSampleId :
SB-14(0.5-1)



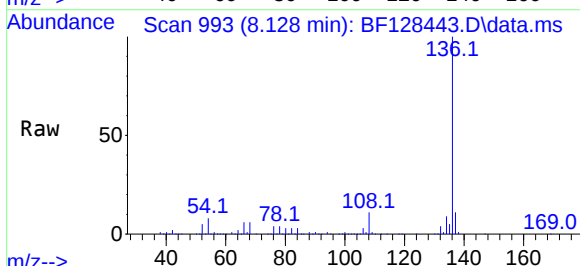
Tgt Ion: 99 Resp: 729598
Ion Ratio Lower Upper
99 100
42 20.0 16.6 24.8
71 37.6 30.0 45.0

Manual Integrations
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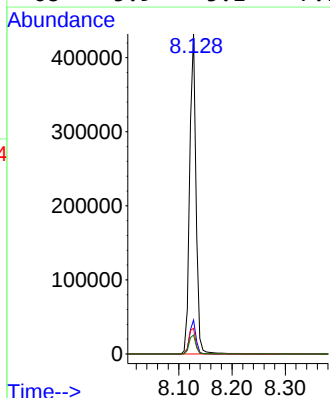
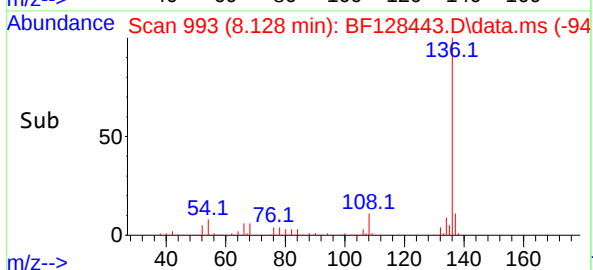
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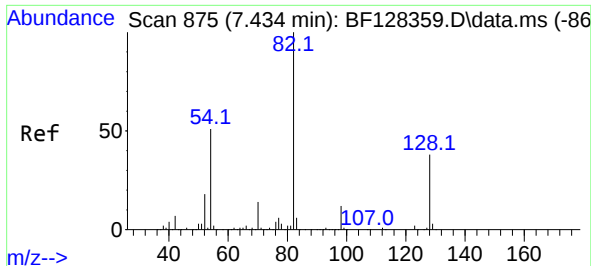


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13



Tgt Ion:136 Resp: 357169
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.0 6.8 10.2
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 63.198 ng

RT: 7.410 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

Tgt Ion: 82 Resp: 50378

Ion Ratio Lower Upper

82 100

128 35.9 30.0 45.0

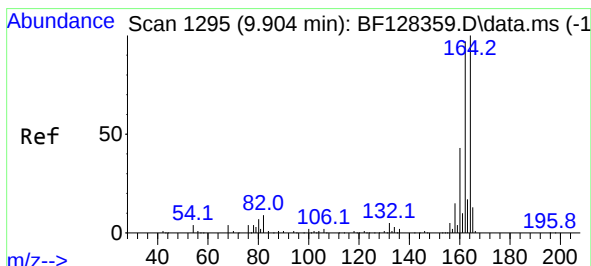
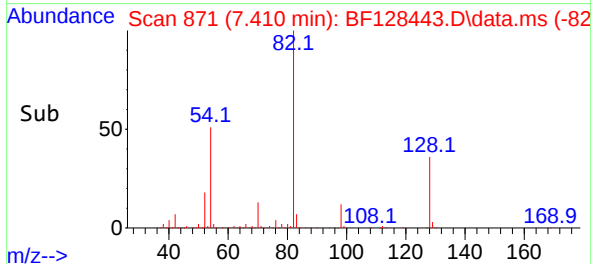
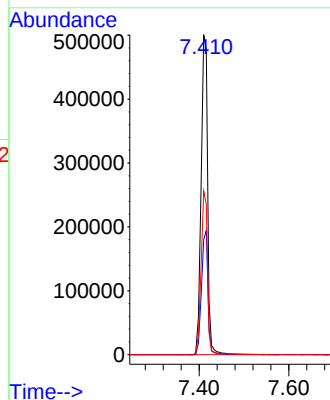
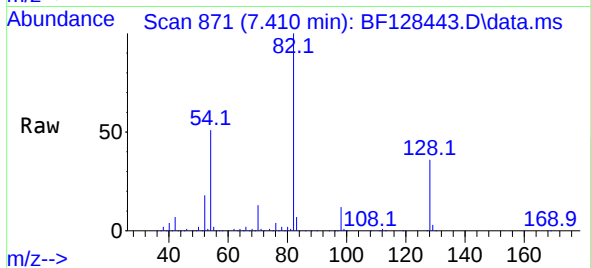
54 51.1 41.3 61.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

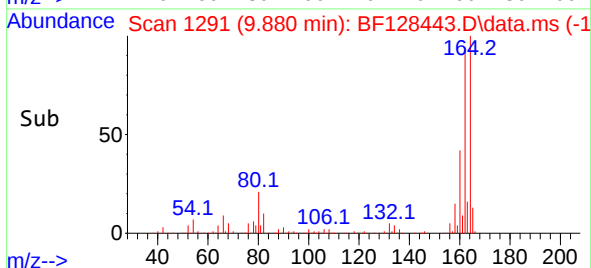
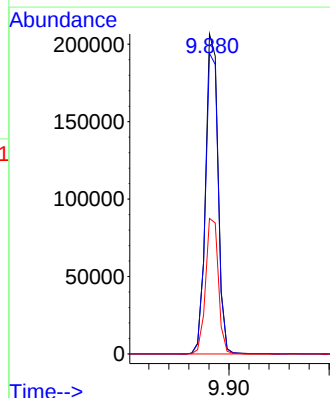
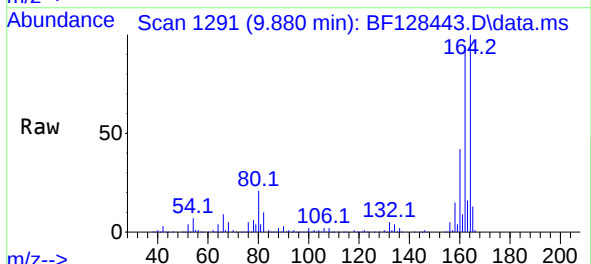
Tgt Ion:164 Resp: 180739

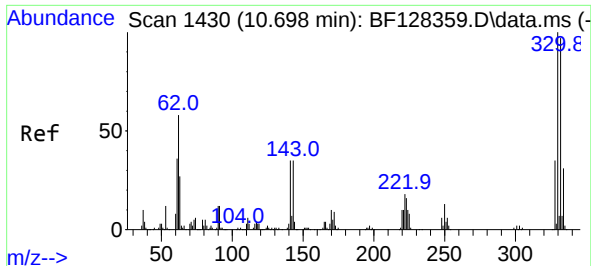
Ion Ratio Lower Upper

164 100

162 93.9 76.0 114.0

160 42.3 34.8 52.2





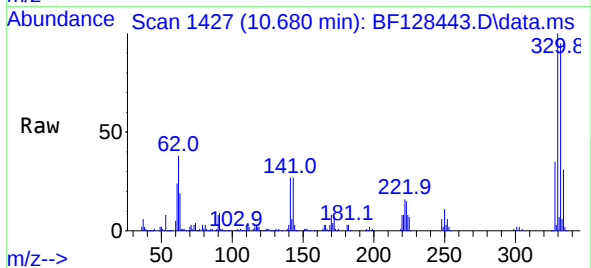
#42
2,4,6-Tribromophenol
Concen: 78.142 ng
RT: 10.680 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

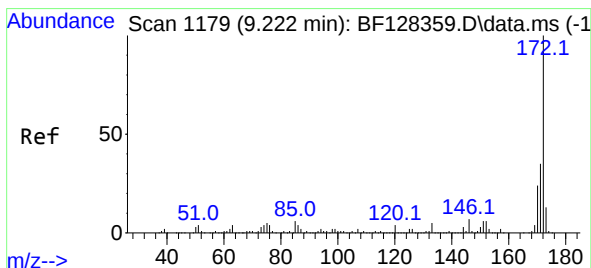
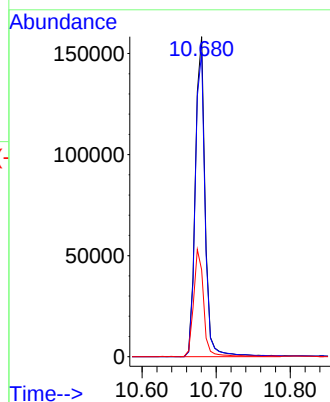
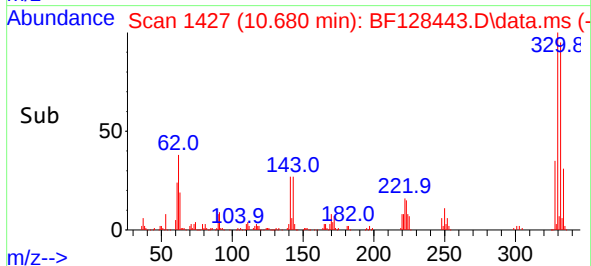


Tgt Ion:330 Resp: 14565
Ion Ratio Lower Upper
330 100
332 95.6 79.0 118.4
141 34.4 28.9 43.3

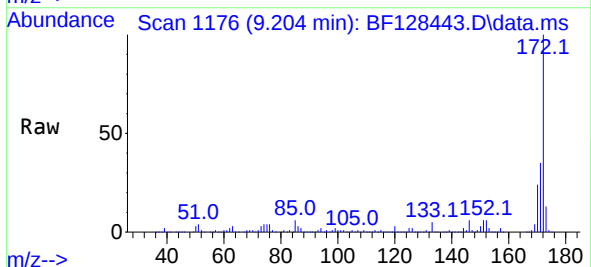
Manual Integrations

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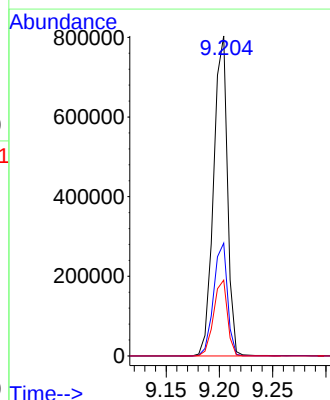
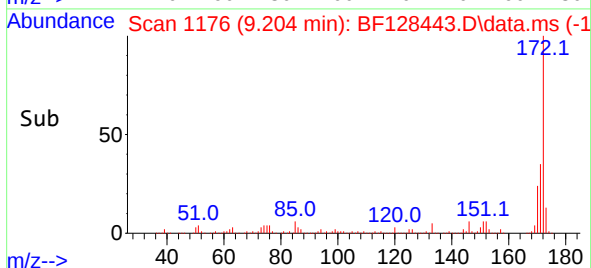
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#45
2-Fluorobiphenyl
Concen: 65.740 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13



Tgt Ion:172 Resp: 726566
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.7 19.1 28.7





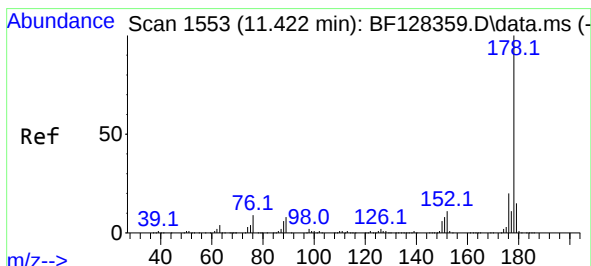
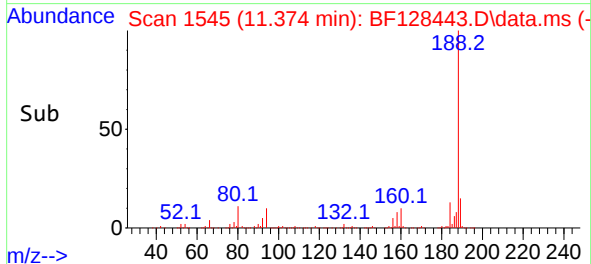
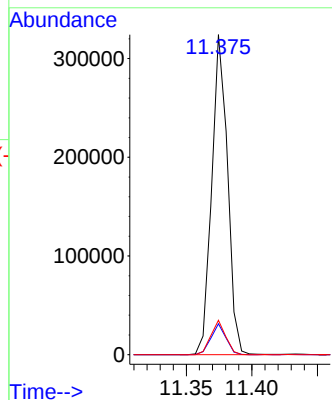
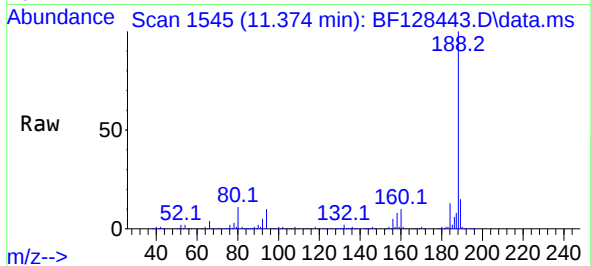
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Instrument :
BNA_F
ClientSampleId :
SB-14(0.5-1)

Tgt Ion:188 Resp: 27156
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.7 8.9 13.3

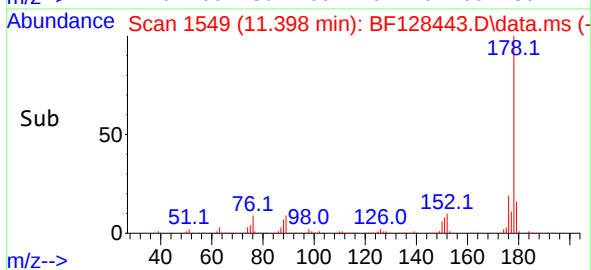
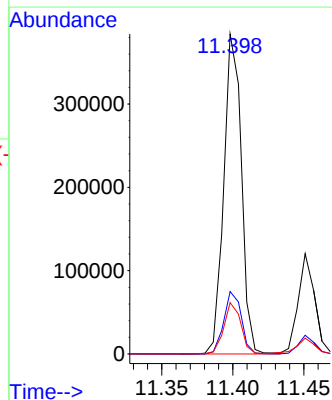
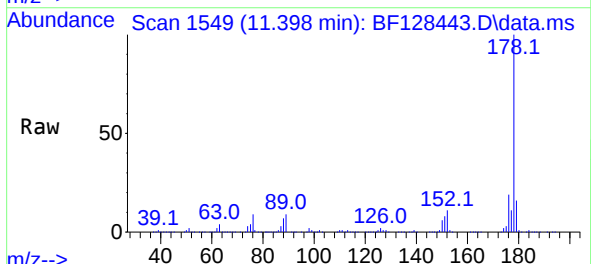
Manual Integrations
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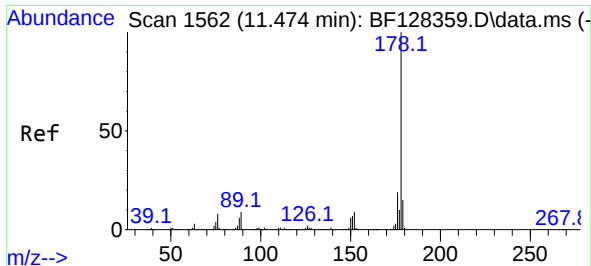
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#71
Phenanthrene
Concen: 24.967 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion:178 Resp: 330888
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 16.1 12.6 19.0





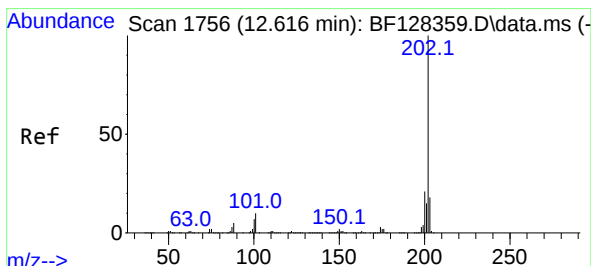
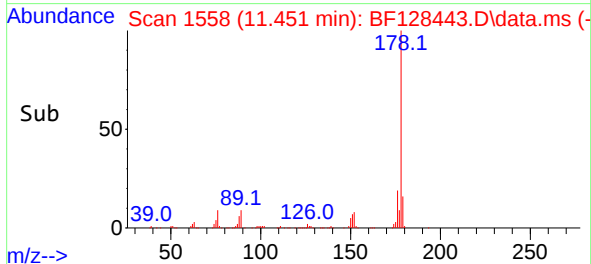
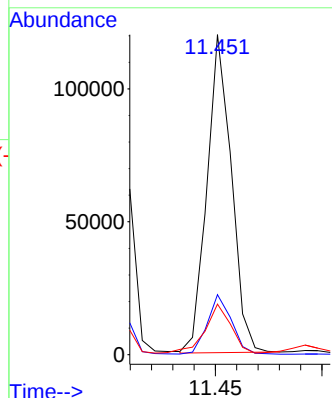
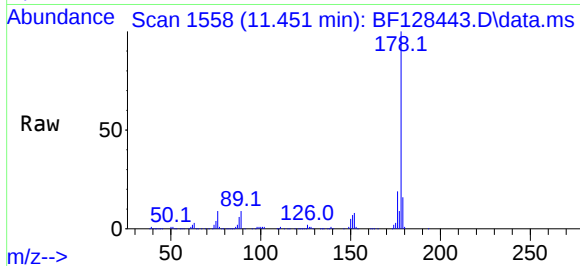
#72
 Anthracene
 Concen: 7.238 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-14(0.5-1)

Tgt Ion:178 Resp: 95330
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 15.8 12.4 18.6

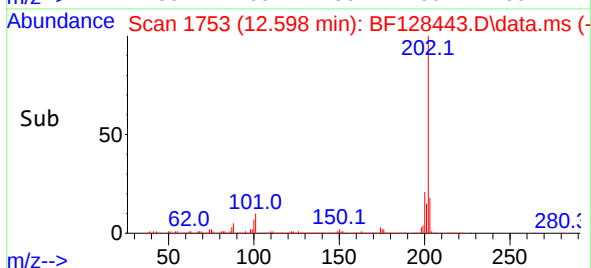
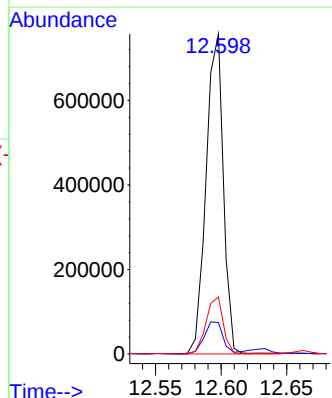
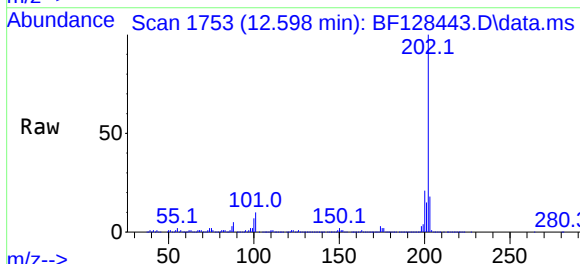
Manual Integrations
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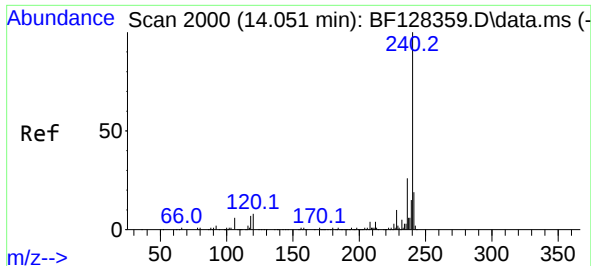
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022



#75
 Fluoranthene
 Concen: 48.384 ng
 RT: 12.598 min Scan# 1753
 Delta R.T. -0.000 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

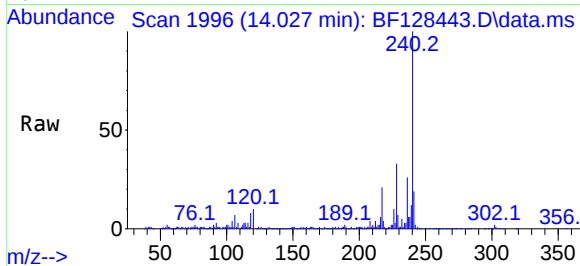
Tgt Ion:202 Resp: 694422
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.6
 203 17.8 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

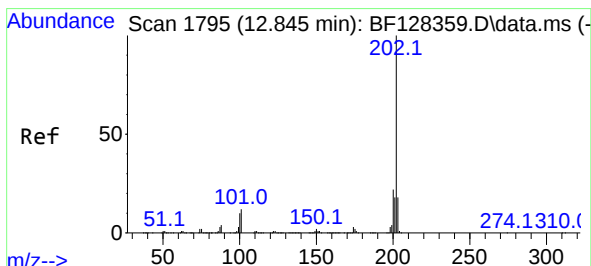
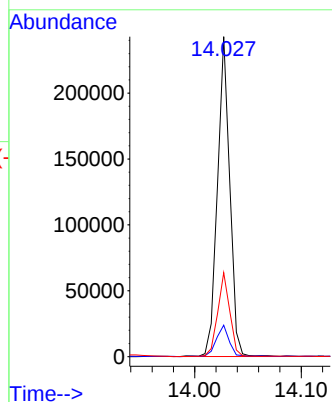
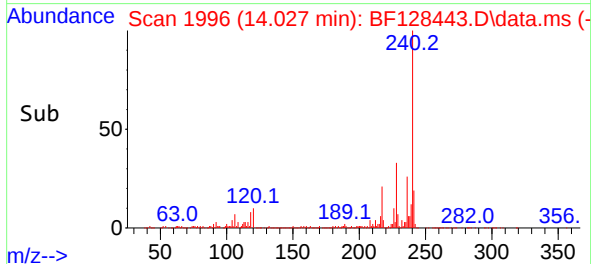
Instrument :
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SB-14(0.5-1)



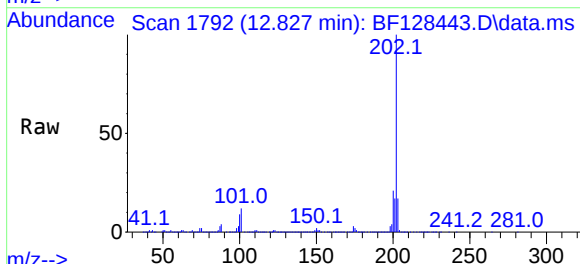
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Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 26.3 20.3 30.5

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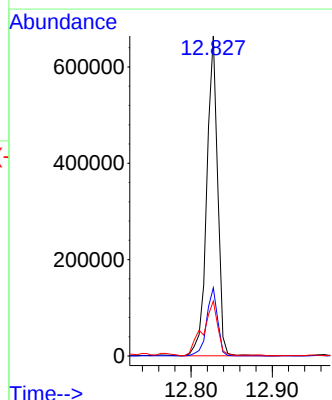
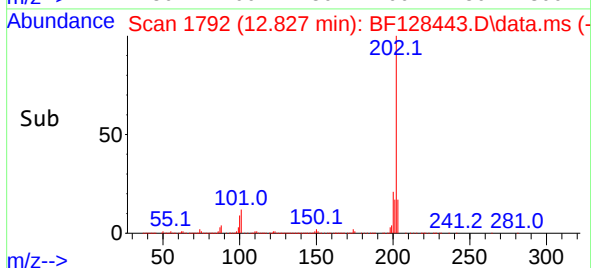
Reviewed By :Christian Giraldo 05/25/2022
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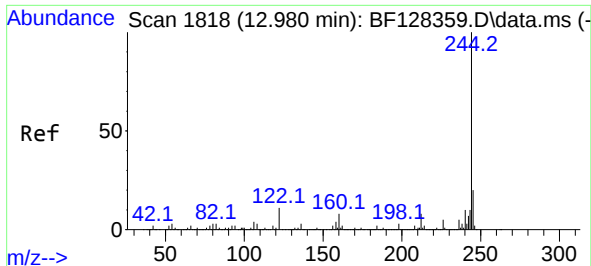


#78
Pyrene
Concen: 42.305 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13



Tgt Ion:202 Resp: 613911
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.2 14.0 21.0





#79
 Terphenyl-d14
 Concen: 57.234 ng
 RT: 12.963 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

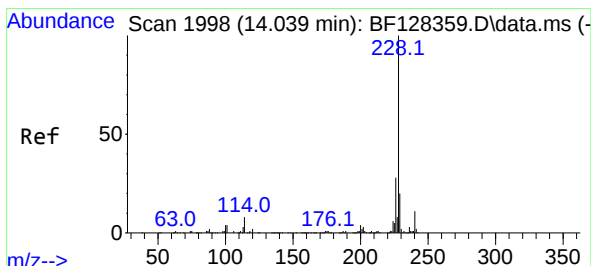
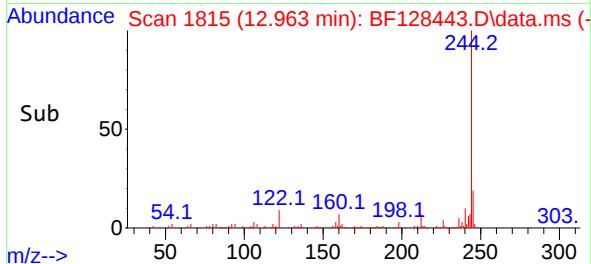
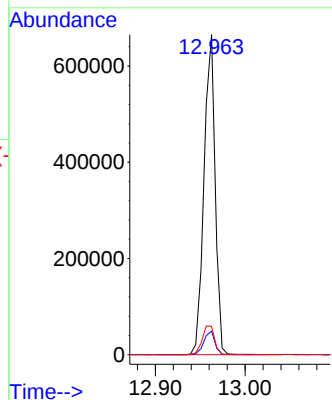
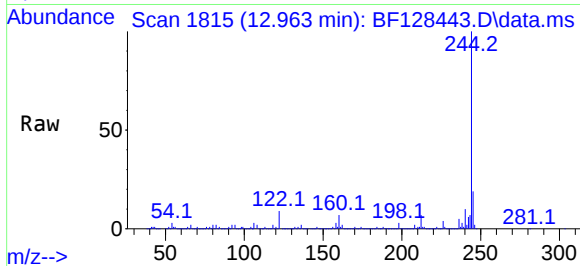
SB-14(0.5-1)

Tgt Ion:244 Resp: 574630
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 8.8 8.6 12.8

Manual Integrations

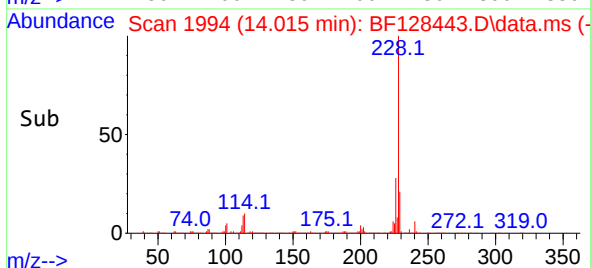
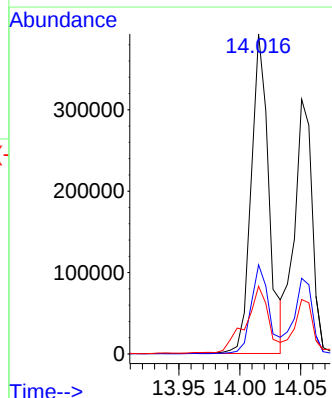
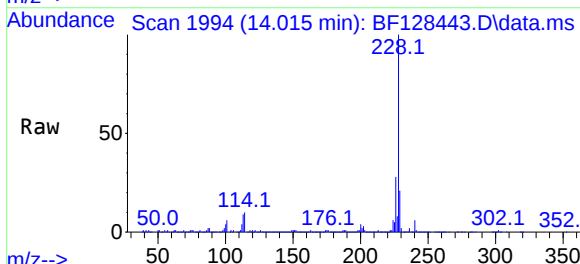
APPROVED

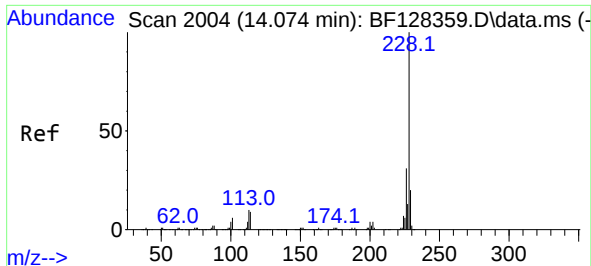
Reviewed By :Christian Giraldo 05/25/2022
 Supervised By :Jagrut Upadhyay 05/25/2022



#81
 Benzo(a)anthracene
 Concen: 32.204 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.006 min
 Lab File: BF128443.D
 Acq: 24 May 2022 19:13

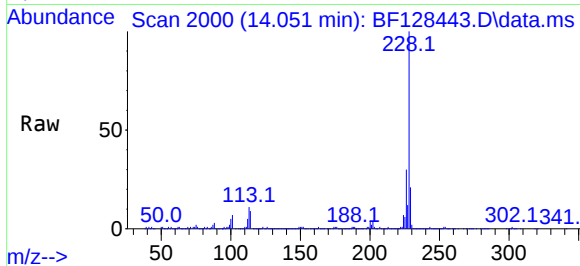
Tgt Ion:228 Resp: 397108
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.7 32.5
 229 21.2 15.4 23.2





#83
Chrysene
Concen: 27.139 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

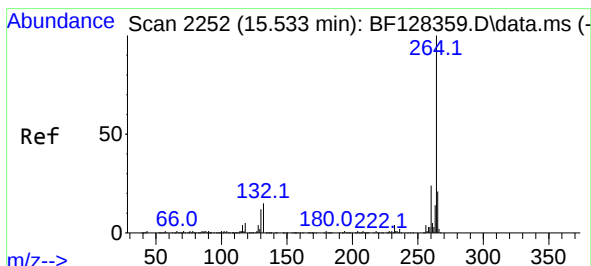
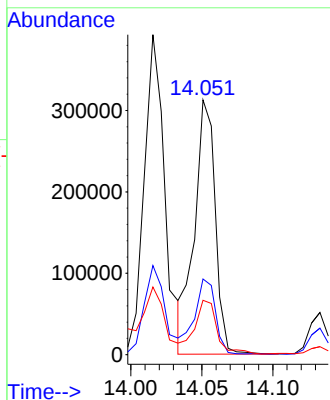
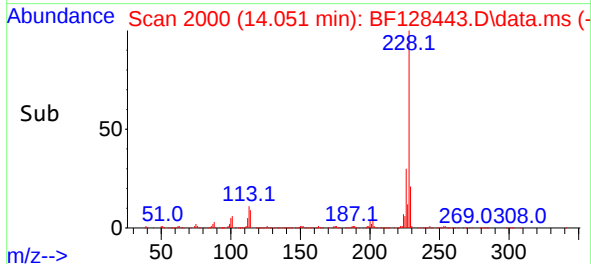
Instrument :
BNA_F
ClientSampleId :
SB-14(0.5-1)



Tgt Ion:228 Resp: 318730
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 21.3 15.8 23.8

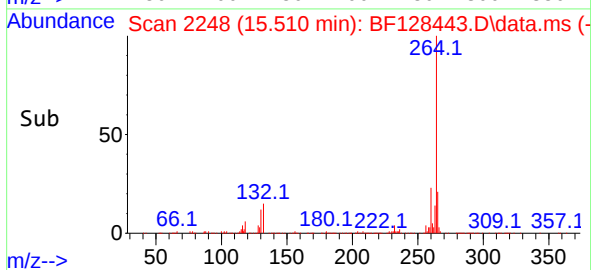
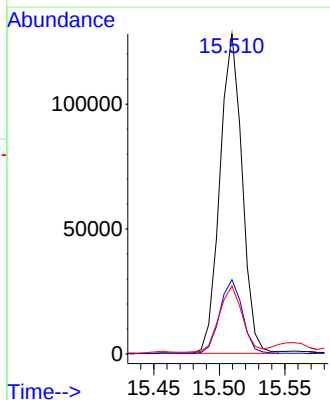
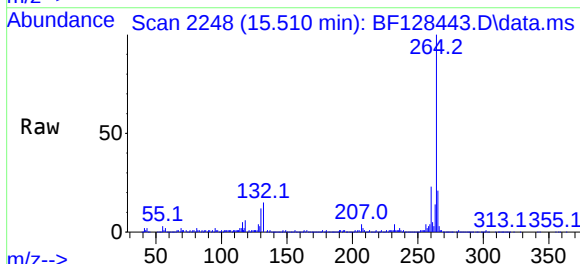
Manual Integrations
APPROVED

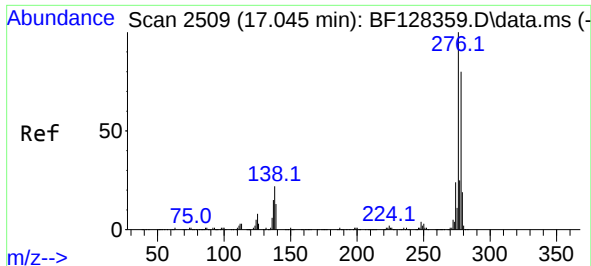
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2248
Delta R.T. -0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion:264 Resp: 150405
Ion Ratio Lower Upper
264 100
260 23.2 20.1 30.1
265 21.2 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 15.681 ng
RT: 17.009 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

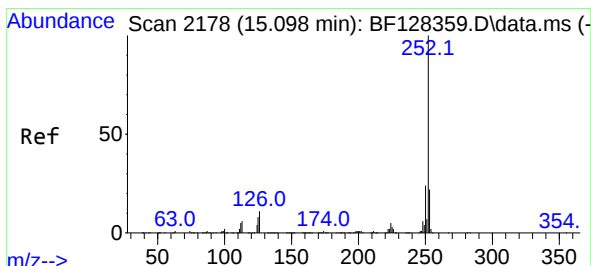
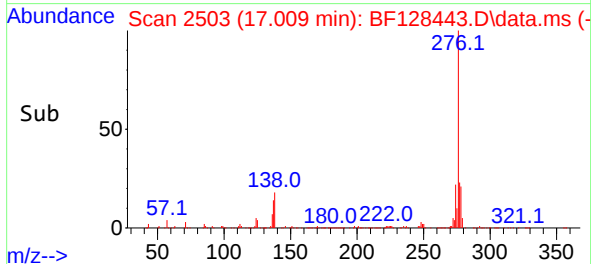
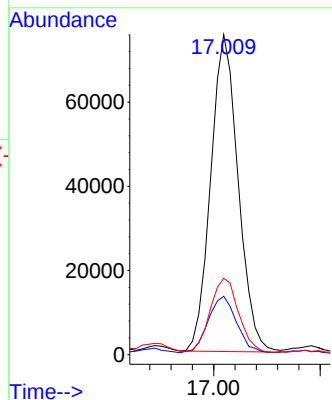
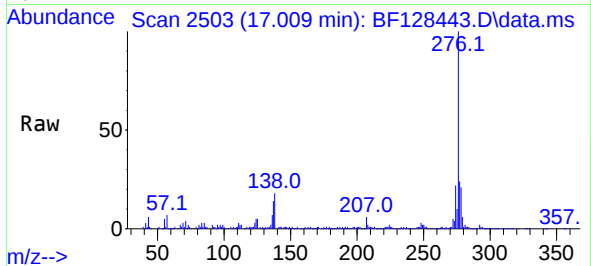
SB-14(0.5-1)

Tgt Ion:276 Resp: 134618
Ion Ratio Lower Upper
276 100
138 18.4 19.0 28.4
277 24.1 20.1 30.1

Manual Integrations

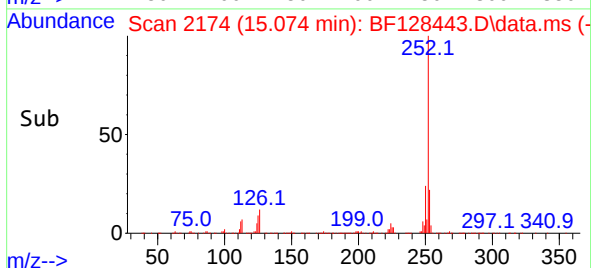
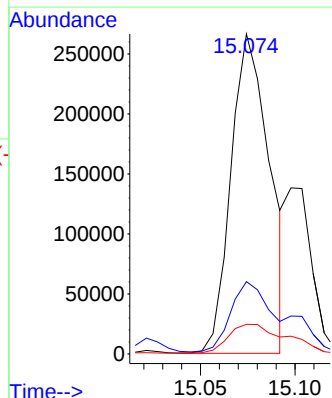
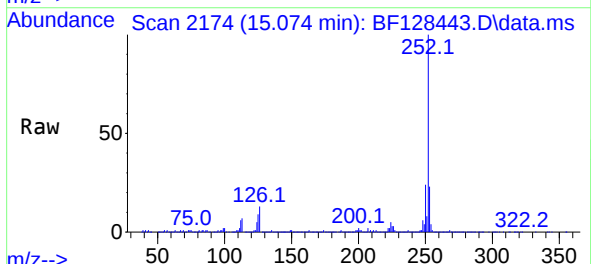
APPROVED

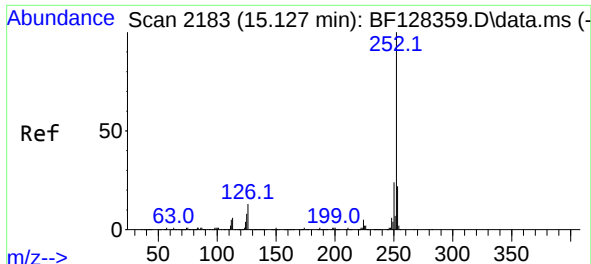
Reviewed By :Christian Giraldo 05/25/2022
Supervised By :Jagrut Upadhyay 05/25/2022



#88
Benzo(b)fluoranthene
Concen: 40.460 ng m
RT: 15.074 min Scan# 2174
Delta R.T. -0.000 min
Lab File: BF128443.D
Acq: 24 May 2022 19:13

Tgt Ion:252 Resp: 378554
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 9.3 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 14.730 ng m

RT: 15.098 min Scan# 2183

Delta R.T. -0.006 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

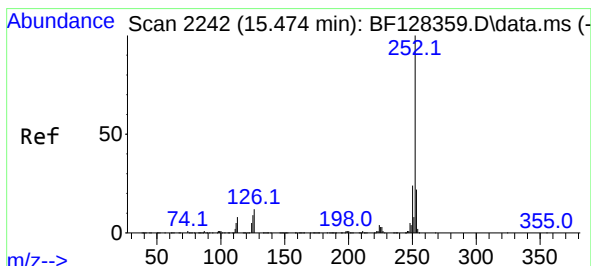
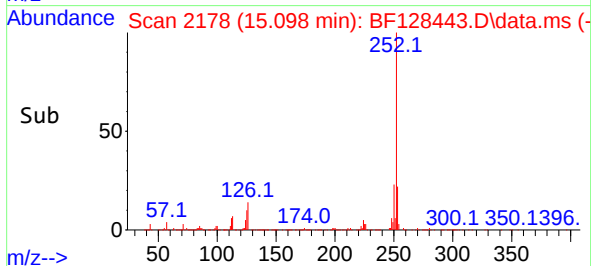
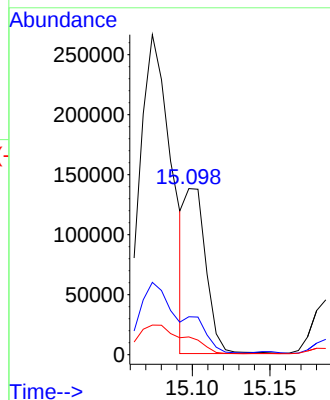
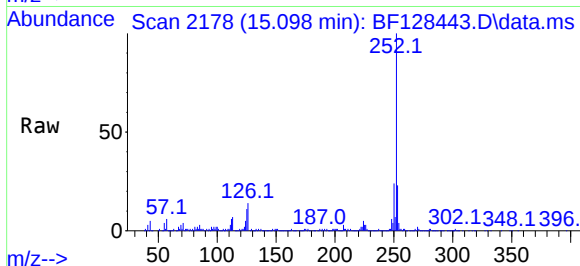
Tgt Ion:252 Resp: 129078

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	10.7	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: 32.952 ng

RT: 15.445 min Scan# 2237

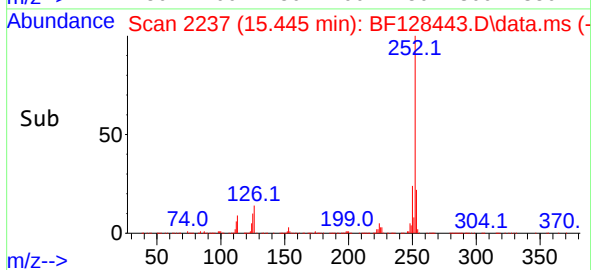
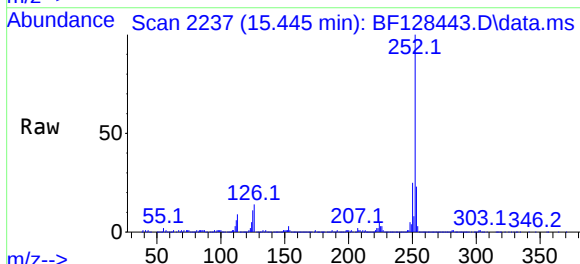
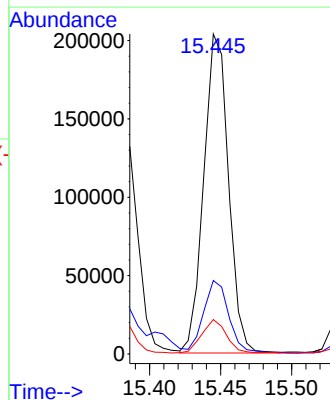
Delta R.T. -0.006 min

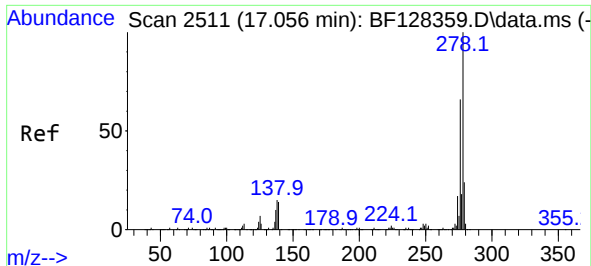
Lab File: BF128443.D

Acq: 24 May 2022 19:13

Tgt Ion:252 Resp: 247490

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	10.7	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 5.451 ng m

RT: 17.015 min Scan# 2

Delta R.T. -0.012 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

Instrument :

BNA_F

ClientSampleId :

SB-14(0.5-1)

Tgt Ion:278 Resp: 37540

Ion Ratio Lower Upper

278 100

139 0.0 12.6 19.0

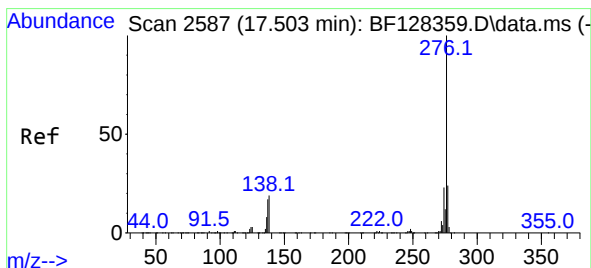
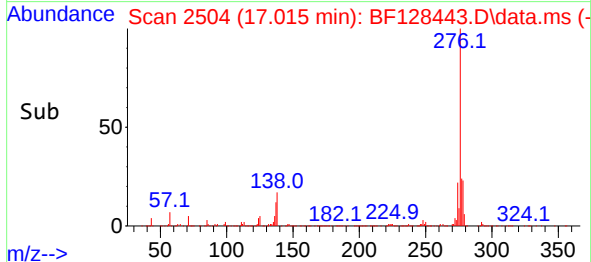
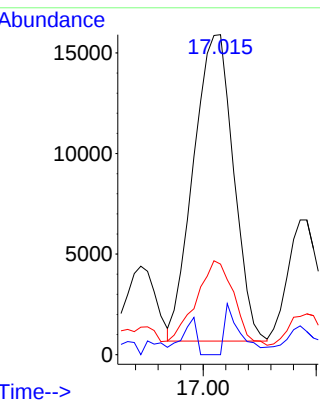
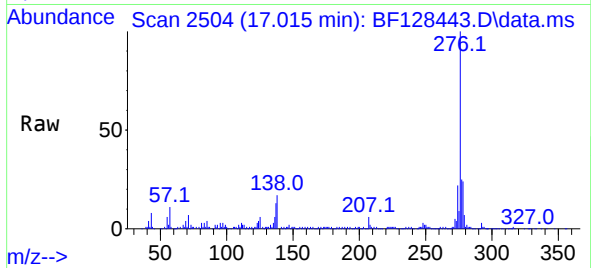
279 28.3 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/25/2022

Supervised By :Jagrut Upadhyay 05/25/2022



#92

Benzo(g,h,i)perylene

Concen: 16.661 ng

RT: 17.468 min Scan# 2581

Delta R.T. -0.006 min

Lab File: BF128443.D

Acq: 24 May 2022 19:13

Tgt Ion:276 Resp: 119727

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 20.5 16.2 24.2

