

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051222\
 Data File : BF128221.D
 Acq On : 12 May 2022 16:10
 Operator : CG\JU
 Sample : N2802-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/13/2022
 Supervised By : Jagrut Upadhyay 05/13/2022

Quant Time: May 13 05:15:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	61186	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	206742	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	99735	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	173084	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	142741	20.000	ng	0.00
86) Perylene-d12	15.574	264	99548	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	193084	50.306	ng	0.00
7) Phenol-d6	6.522	99	251116	49.465	ng	0.00
23) Nitrobenzene-d5	7.457	82	169650	36.924	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	56964	49.801	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	276499	43.379	ng	0.00
79) Terphenyl-d14	13.010	244	323156	42.481	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	90183	10.464	ng	99
72) Anthracene	11.504	178	22011	2.558	ng	99
75) Fluoranthene	12.645	202	218726	23.409	ng	96
78) Pyrene	12.874	202	220221	21.277	ng	99
81) Benzo(a)anthracene	14.063	228	101944	11.181	ng	98
83) Chrysene	14.098	228	83590	9.609	ng	96
87) Indeno(1,2,3-cd)pyrene	17.104	276	42634	7.080	ng	# 94
88) Benzo(b)fluoranthene	15.133	252	98840m	16.017	ng	
89) Benzo(k)fluoranthene	15.157	252	31246m	5.129	ng	
90) Benzo(a)pyrene	15.510	252	69637	13.978	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	9937	2.038	ng	# 85
92) Benzo(g,h,i)perylene	17.568	276	44617	9.039	ng	95

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

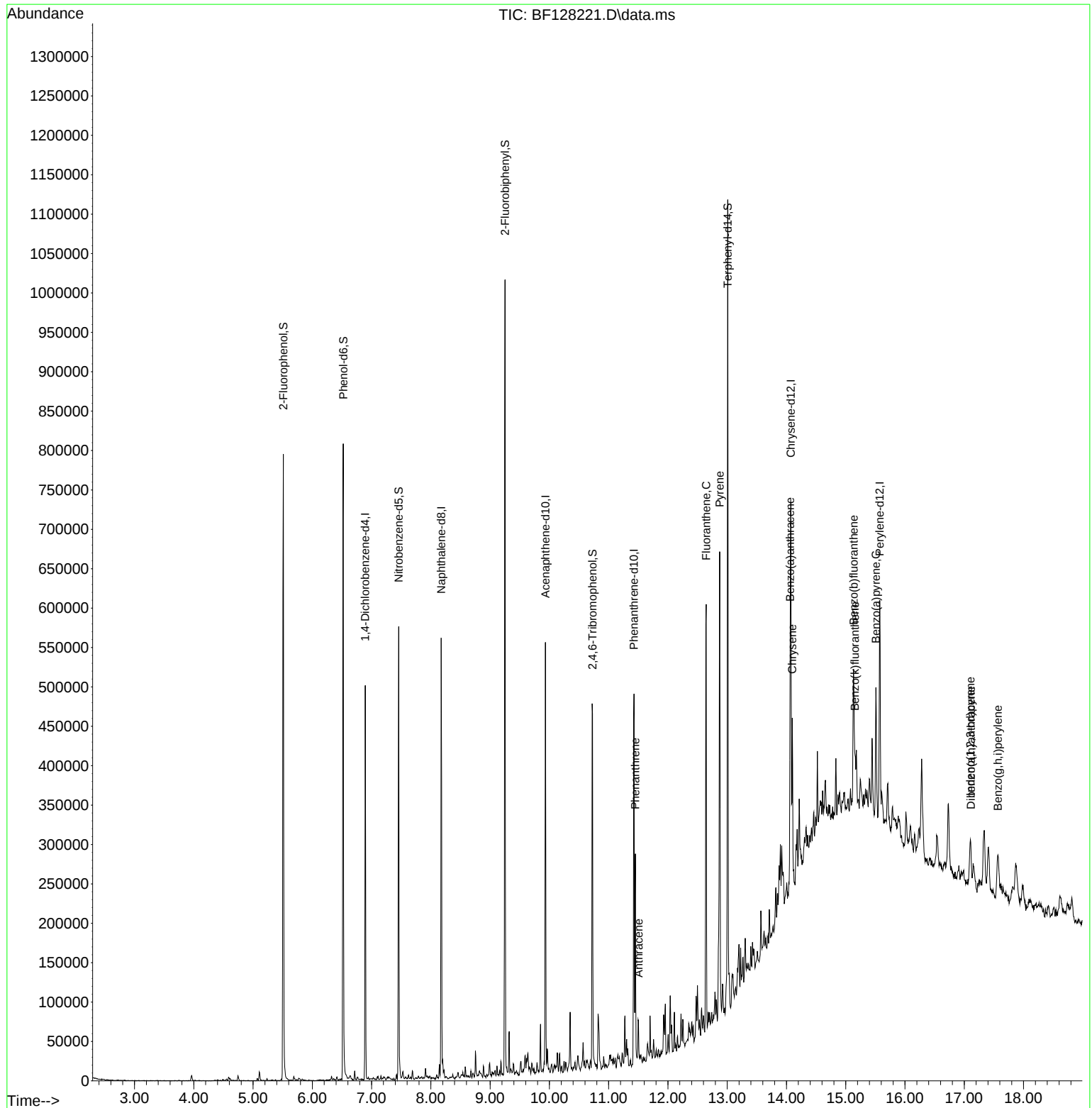
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Data File : BF128221.D
Acq On : 12 May 2022 16:10
Operator : CG\JU
Sample : N2802-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

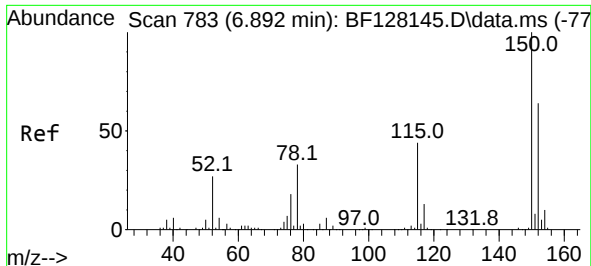
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

Quant Time: May 13 05:15:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 15:30:11 2022
Response via : Initial Calibration

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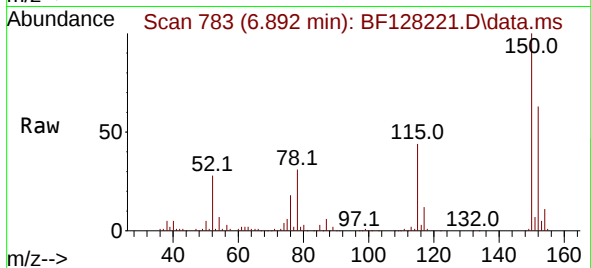
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

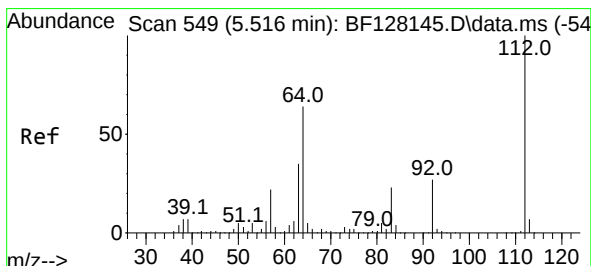
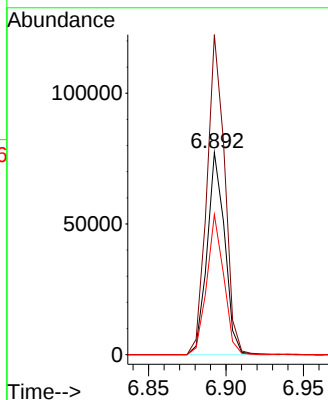
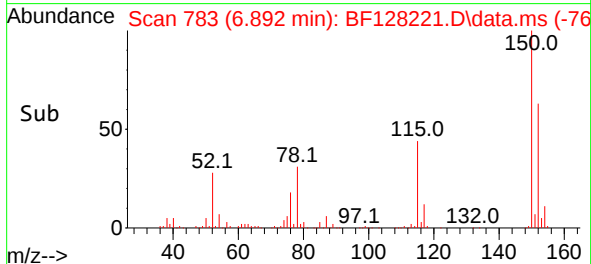
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1



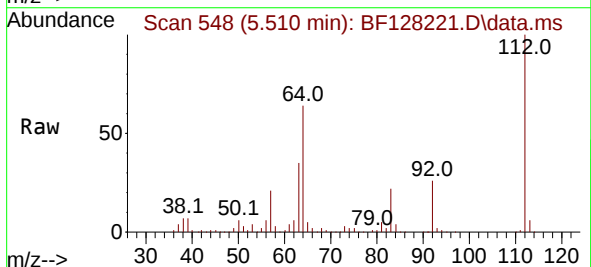
Tgt Ion:152 Resp: 61180
Ion Ratio Lower Upper
152 100
150 158.3 125.3 187.9
115 69.3 48.8 73.2

Manual Integrations
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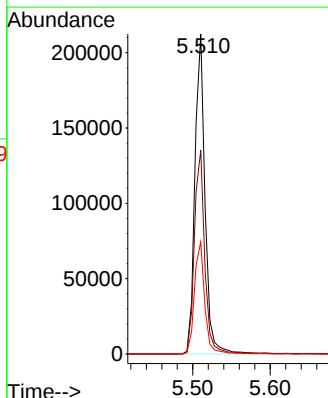
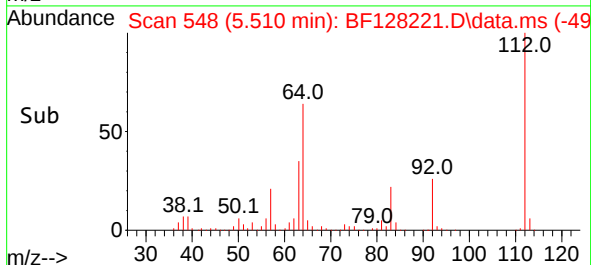
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

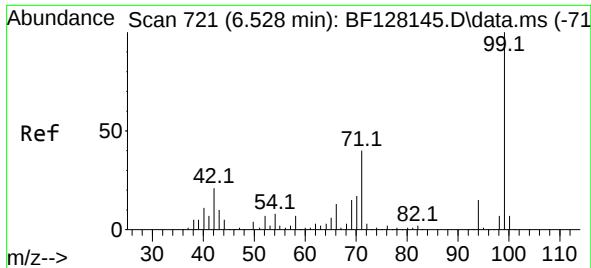


#5
2-Fluorophenol
Concen: 50.306 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10



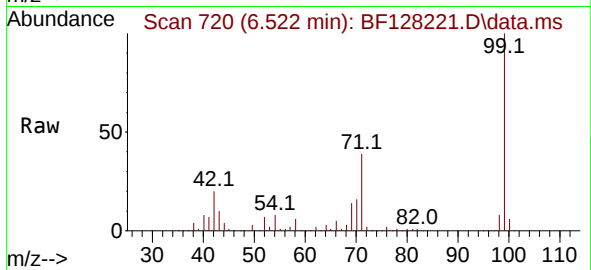
Tgt Ion:112 Resp: 193084
Ion Ratio Lower Upper
112 100
64 63.6 49.5 74.3
63 35.0 26.3 39.5





#7
Phenol-d6
Concen: 49.465 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

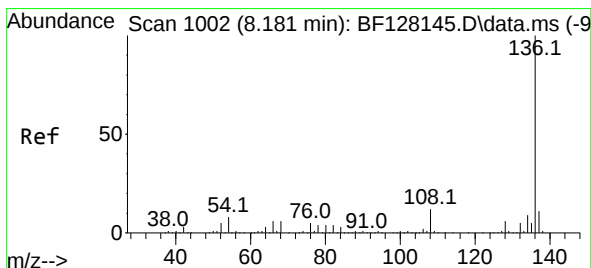
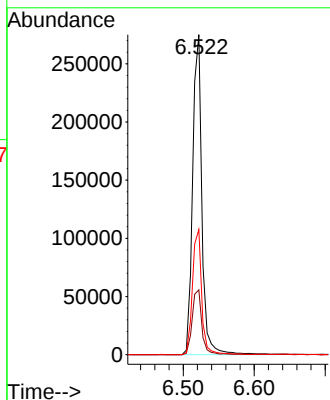
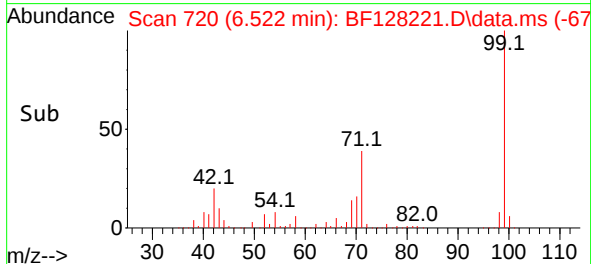
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1



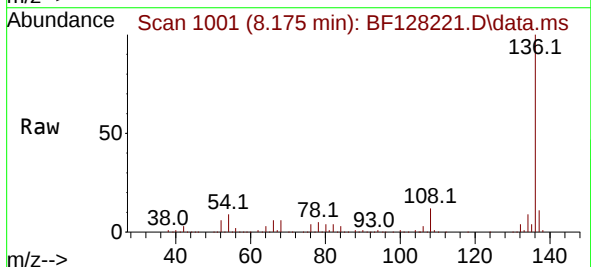
Tgt Ion: 99 Resp: 251110
Ion Ratio Lower Upper
99 100
42 20.3 16.6 24.8
71 39.1 30.0 45.0

Manual Integrations
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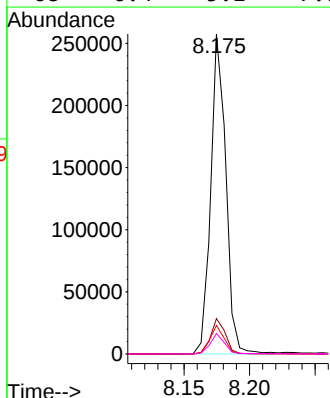
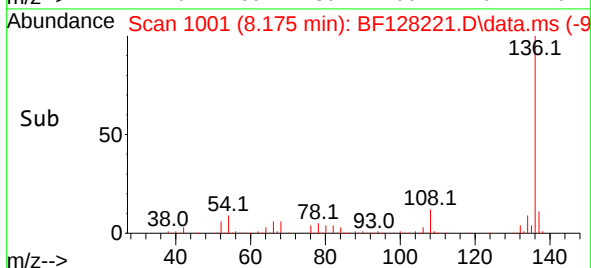
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022

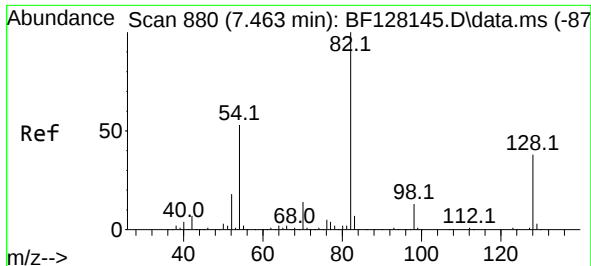


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10



Tgt Ion:136 Resp: 206742
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.9 6.8 10.2
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 36.924 ng

RT: 7.457 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

Tgt Ion: 82 Resp: 169650

Ion Ratio Lower Upper

82 100

128 37.5 30.0 45.0

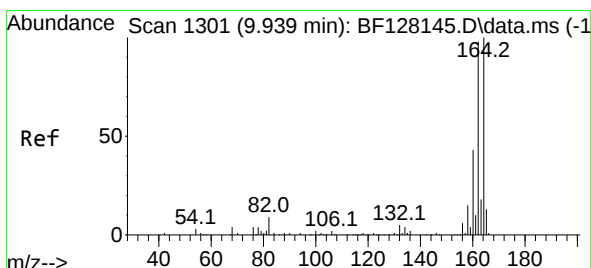
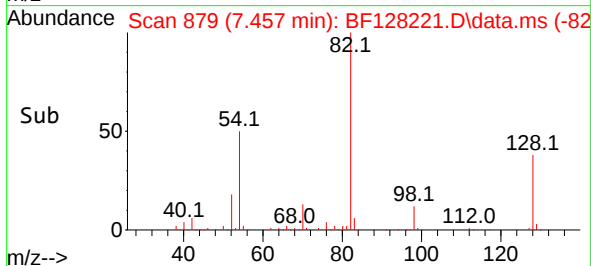
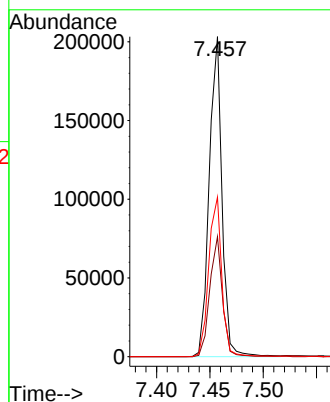
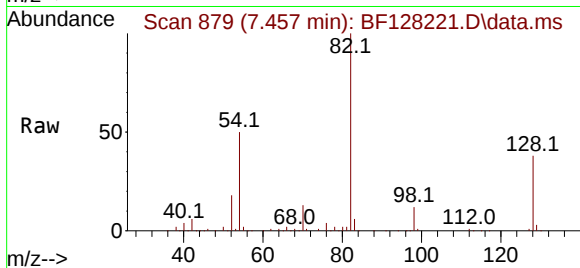
54 49.9 41.3 61.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1300

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

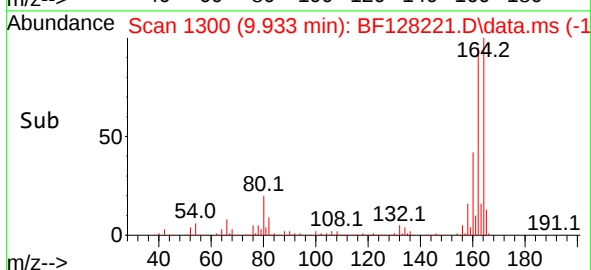
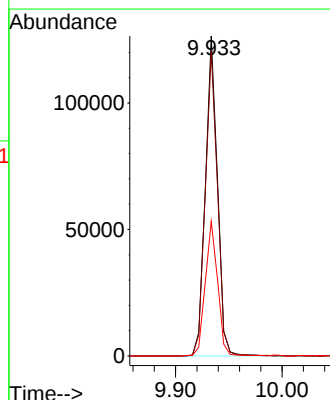
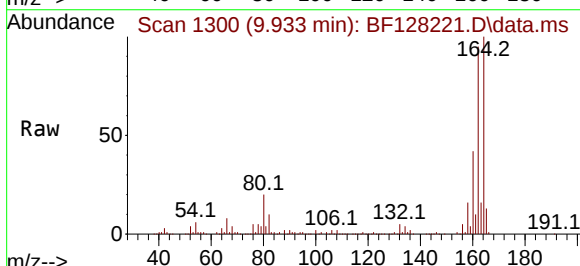
Tgt Ion:164 Resp: 99735

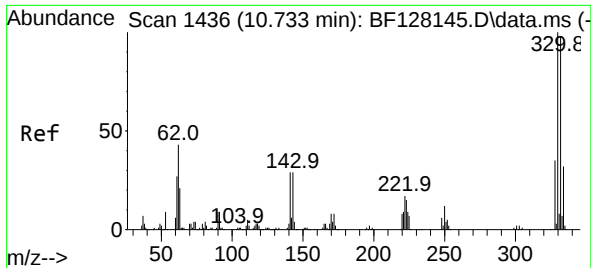
Ion Ratio Lower Upper

164 100

162 95.2 76.0 114.0

160 42.0 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 49.801 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

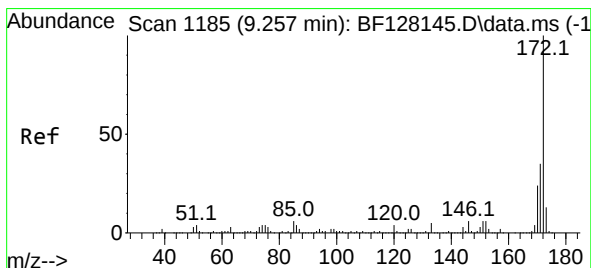
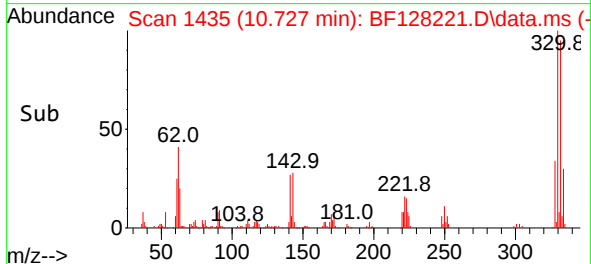
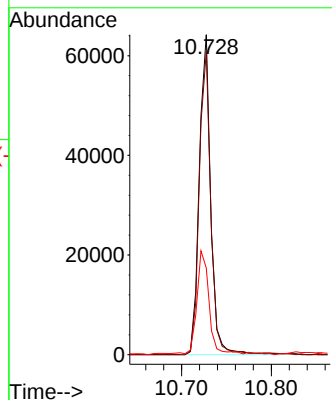
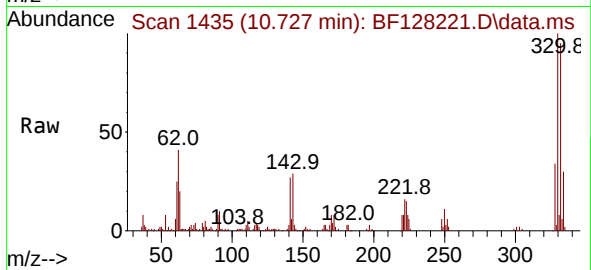
DEEP-WC-1

Tgt Ion: 330 Resp: 56964
Ion Ratio Lower Upper
330 100
332 95.0 79.0 118.4
141 33.9 28.9 43.3

Manual Integrations

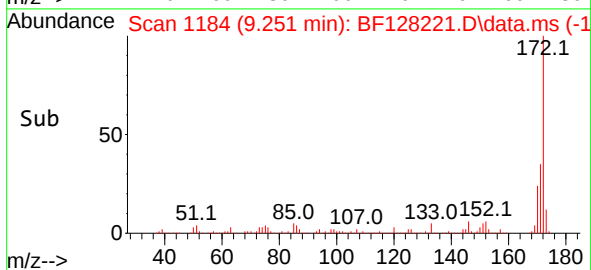
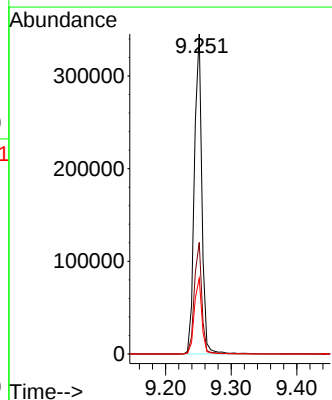
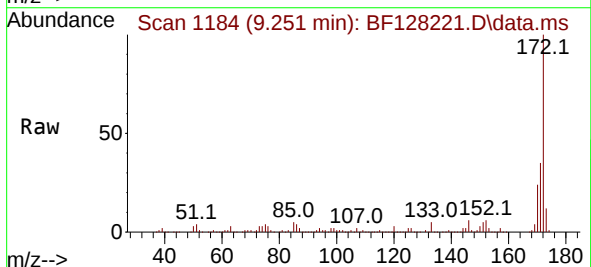
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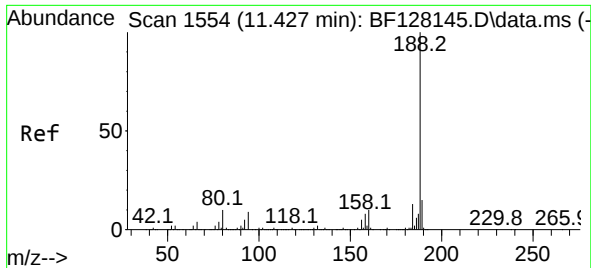
Reviewed By : Christian Giraldo 05/13/2022
Supervised By : Jagrut Upadhyay 05/13/2022



#45
2-Fluorobiphenyl
Concen: 43.379 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Tgt Ion: 172 Resp: 276499
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.6 19.1 28.7





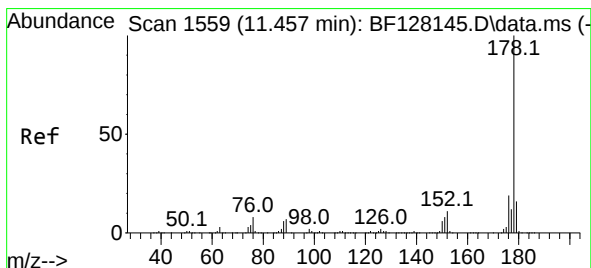
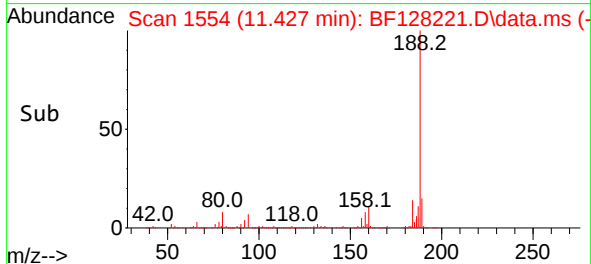
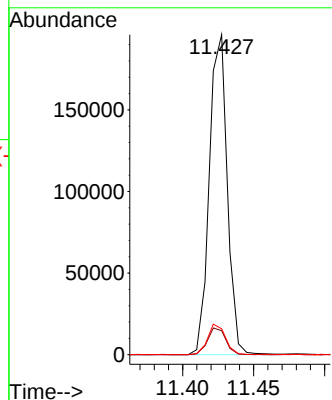
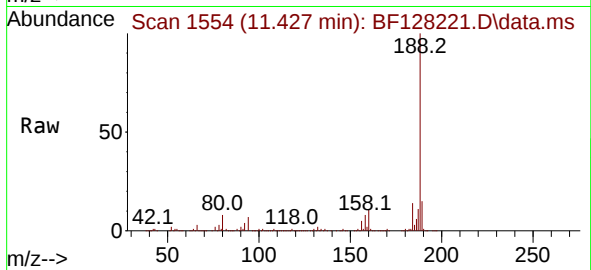
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

Tgt Ion:188 Resp: 173084
Ion Ratio Lower Upper
188 100
94 7.5 8.0 12.0
80 8.1 8.9 13.3

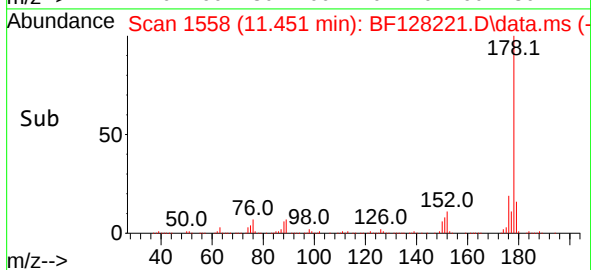
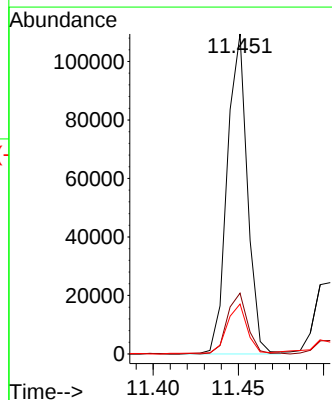
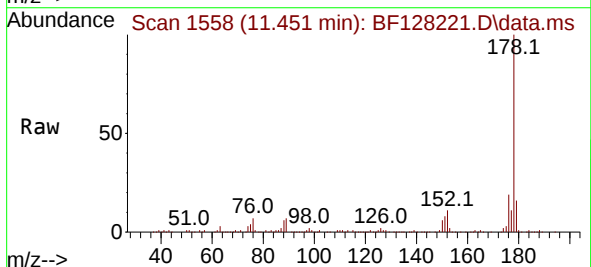
Manual Integrations
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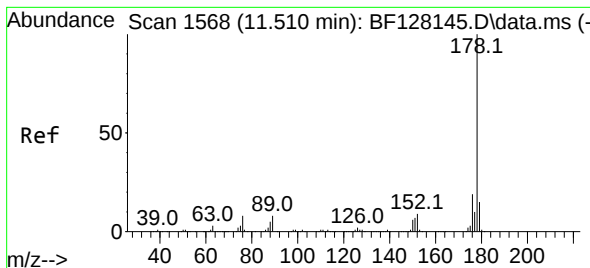
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#71
Phenanthrene
Concen: 10.464 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Tgt Ion:178 Resp: 90183
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.6 12.6 19.0





#72

Anthracene

Concen: 2.558 ng

RT: 11.504 min Scan# 11567

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

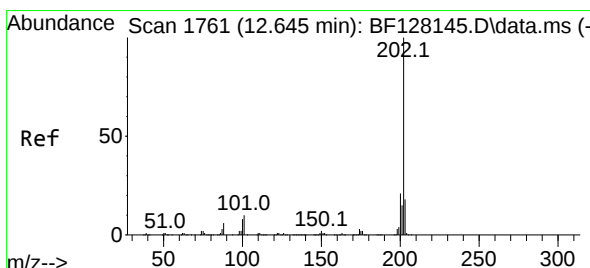
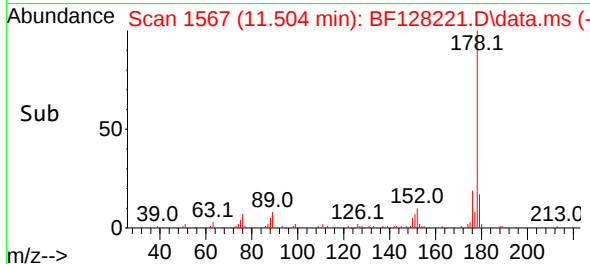
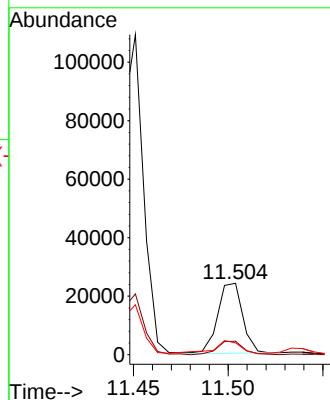
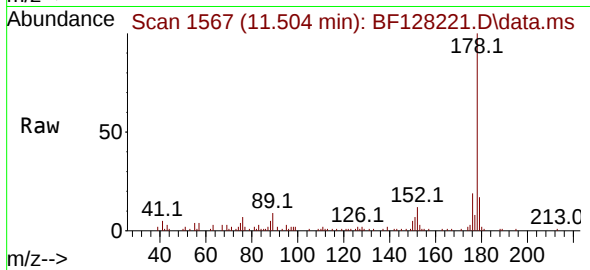
DEEP-WC-1

Tgt Ion:178	Resp:	2201
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.0 22.6
179	16.7	12.4 18.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/13/2022



#75

Fluoranthene

Concen: 23.409 ng

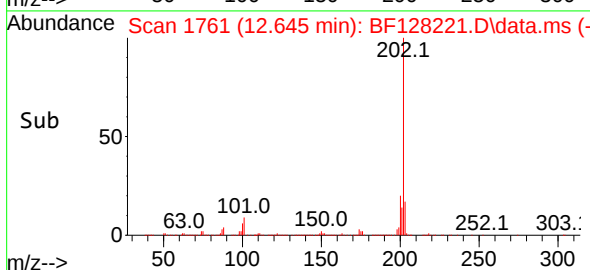
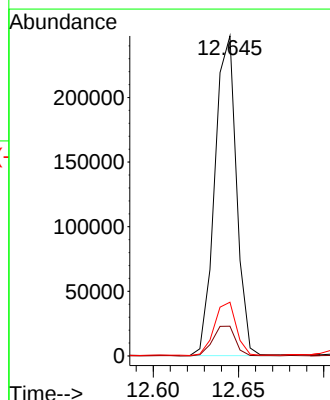
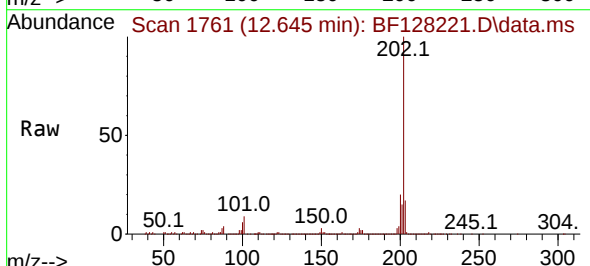
RT: 12.645 min Scan# 1761

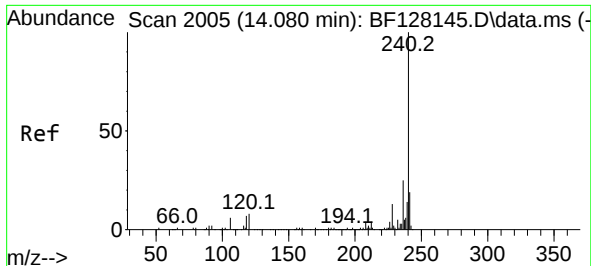
Delta R.T. -0.000 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Tgt Ion:202	Resp:	218726
Ion Ratio	Lower	Upper
202	100	
101	9.3	0.0 31.6
203	16.8	0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

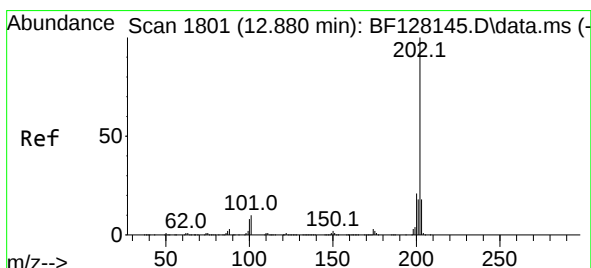
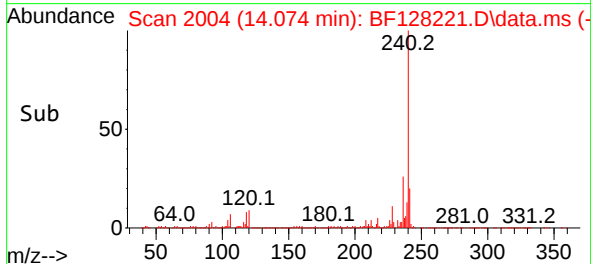
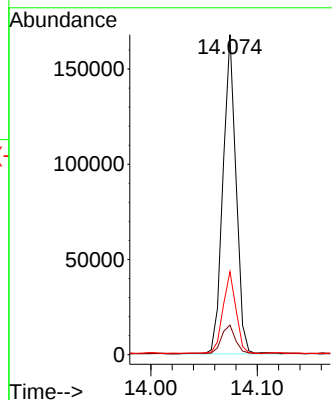
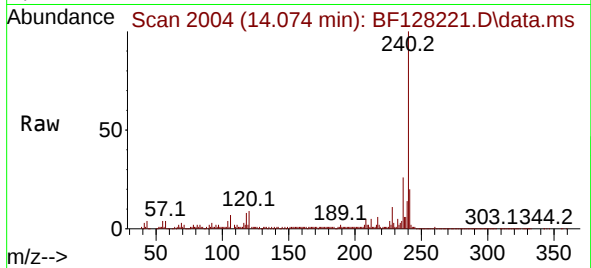
DEEP-WC-1

Tgt Ion:240 Resp: 14274
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.9 20.3 30.5

Manual Integrations

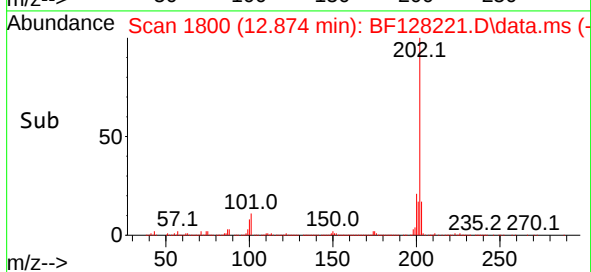
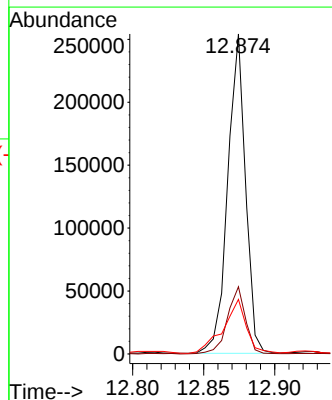
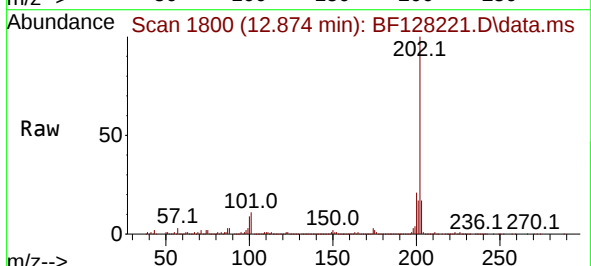
APPROVED

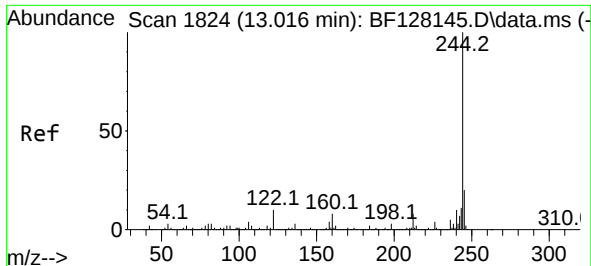
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#78
Pyrene
Concen: 21.277 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Tgt Ion:202 Resp: 220221
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.1 14.0 21.0





#79
 Terphenyl-d14
 Concen: 42.481 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128221.D
 Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

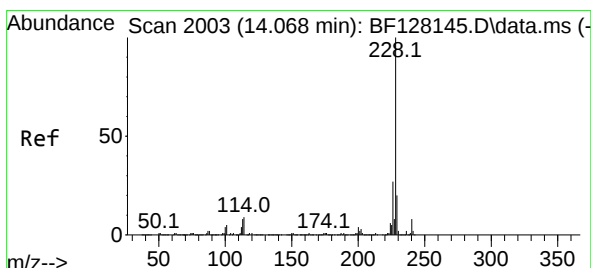
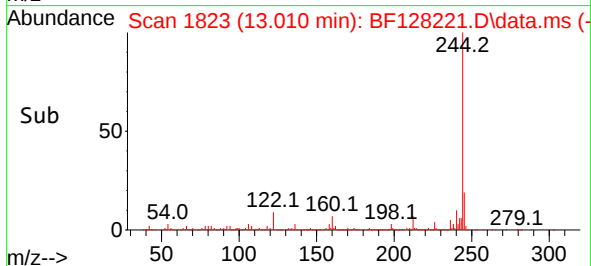
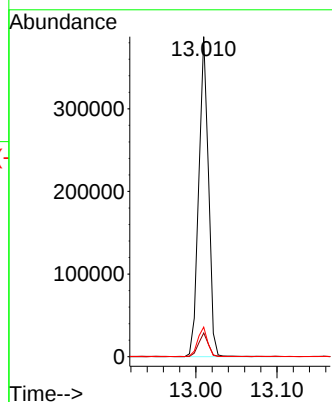
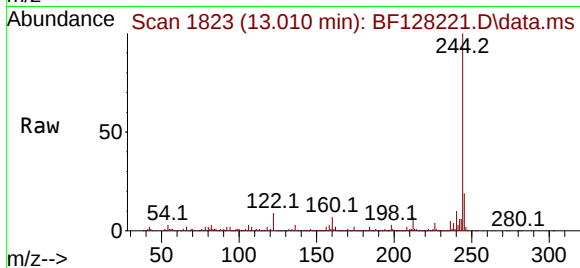
DEEP-WC-1

Tgt Ion:244 Resp: 323150
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 9.2 8.6 12.8

Manual Integrations

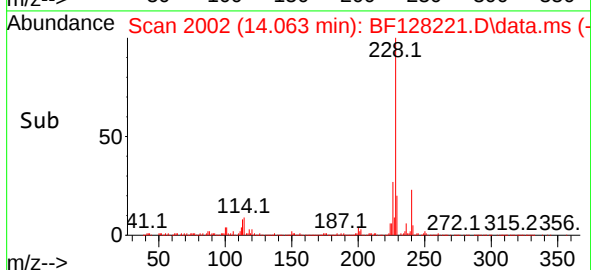
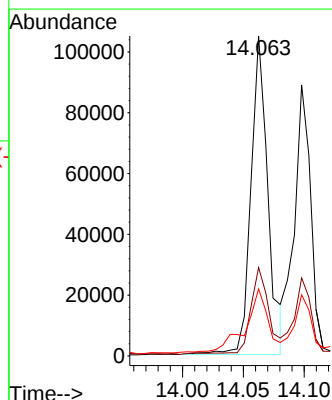
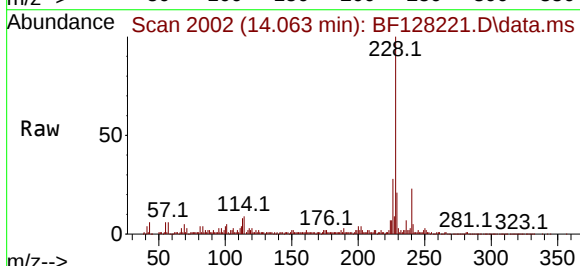
APPROVED

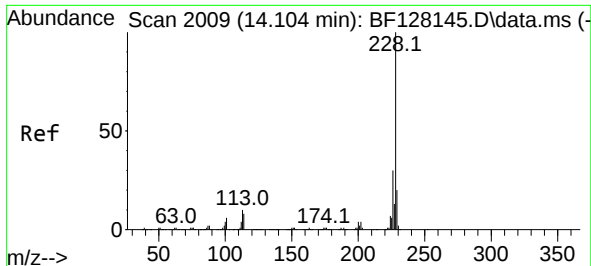
Reviewed By :Christian Giraldo 05/13/2022
 Supervised By :Jagrut Upadhyay 05/13/2022



#81
 Benzo(a)anthracene
 Concen: 11.181 ng
 RT: 14.063 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF128221.D
 Acq: 12 May 2022 16:10

Tgt Ion:228 Resp: 101944
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.7 32.5
 229 21.0 15.4 23.2





#83
Chrysene
Concen: 9.609 ng
RT: 14.098 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

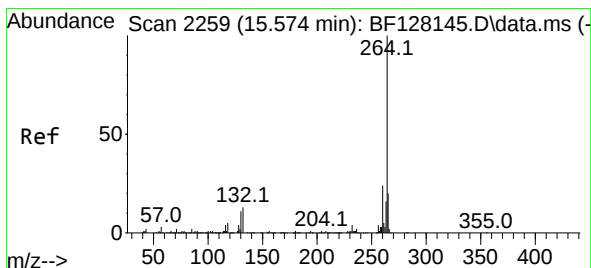
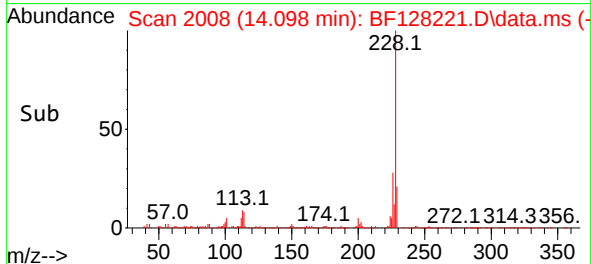
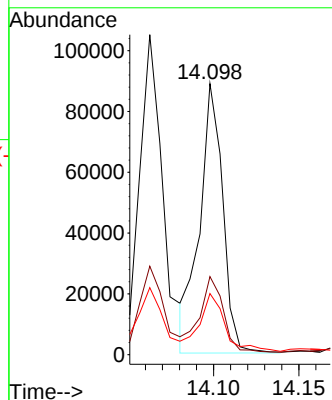
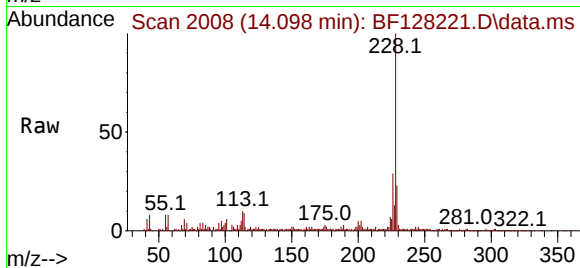
DEEP-WC-1

Tgt Ion:228 Resp: 83590
Ion Ratio Lower Upper
228 100
226 28.8 24.4 36.6
229 22.6 15.8 23.8

Manual Integrations

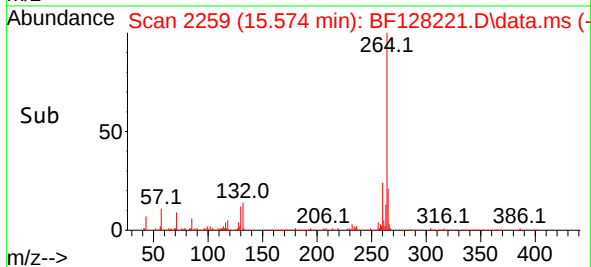
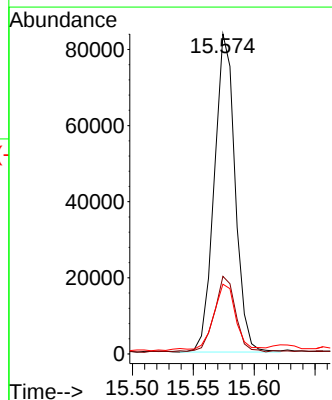
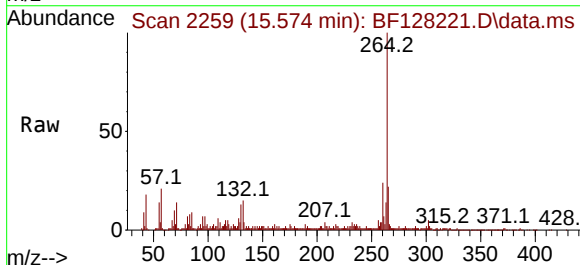
APPROVED

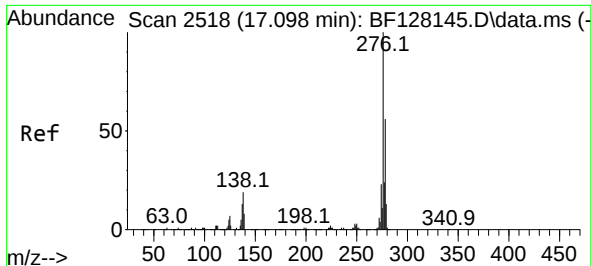
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2259
Delta R.T. -0.000 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Tgt Ion:264 Resp: 99548
Ion Ratio Lower Upper
264 100
260 24.3 20.1 30.1
265 21.8 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.080 ng
RT: 17.104 min Scan# 2518
Delta R.T. 0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

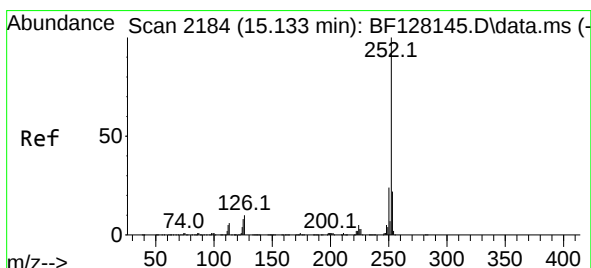
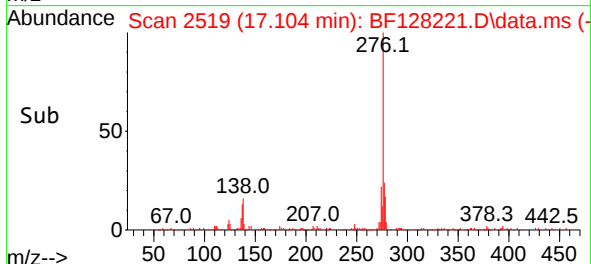
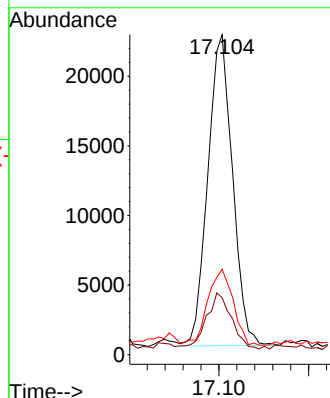
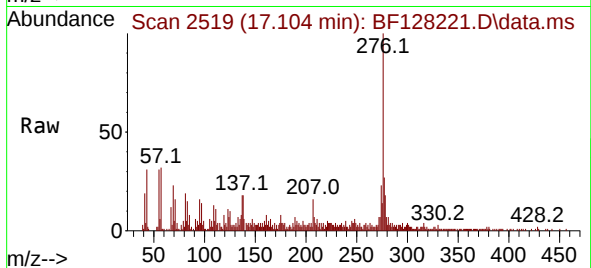
DEEP-WC-1

Tgt Ion:276 Resp: 42634
Ion Ratio Lower Upper
276 100
138 18.2 19.0 28.4
277 24.9 20.1 30.1

Manual Integrations

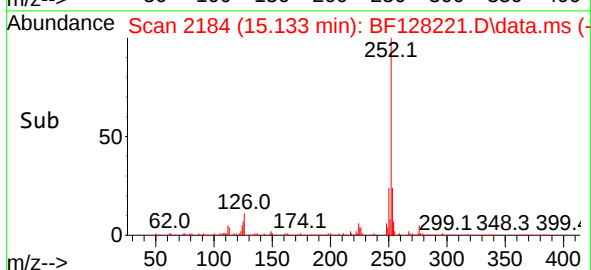
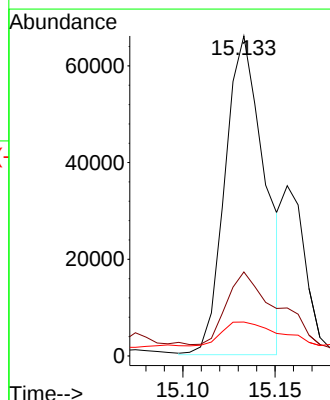
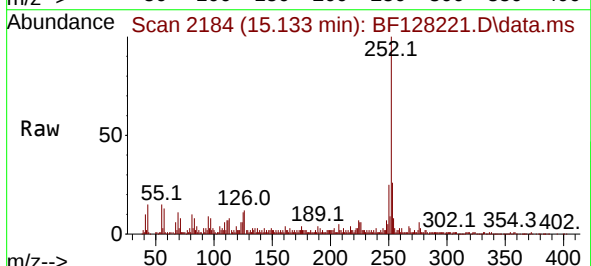
APPROVED

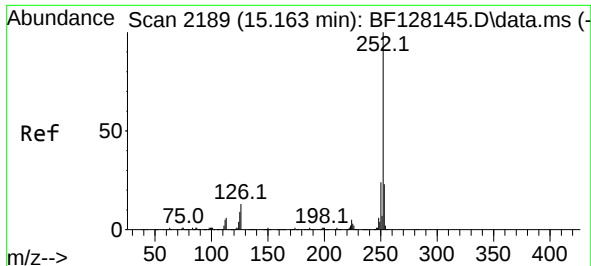
Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#88
Benzo(b)fluoranthene
Concen: 16.017 ng m
RT: 15.133 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Tgt Ion:252 Resp: 98840
Ion Ratio Lower Upper
252 100
253 26.2 17.4 26.2#
125 10.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 5.129 ng m

RT: 15.157 min Scan# 2189

Delta R.T. -0.006 min

Lab File: BF128221.D

Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

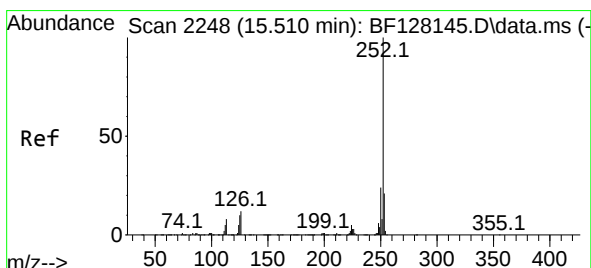
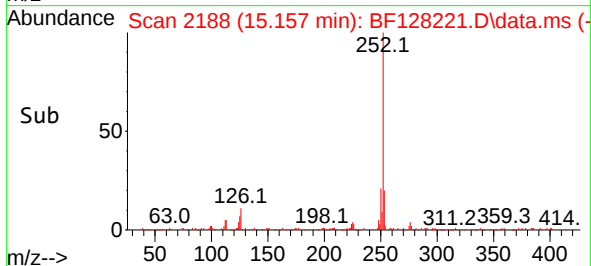
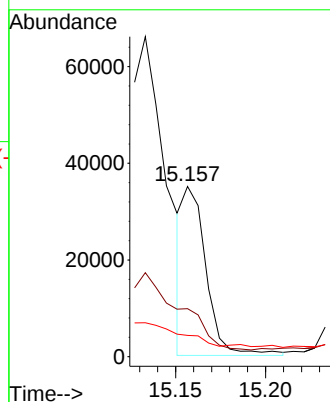
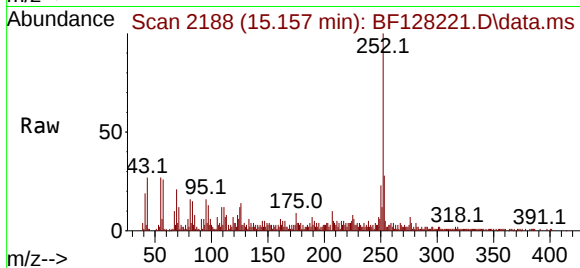
Tgt Ion:252 Resp: 31240

Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.0	25.4
125	12.5	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#90

Benzo(a)pyrene

Concen: 13.978 ng

RT: 15.510 min Scan# 2248

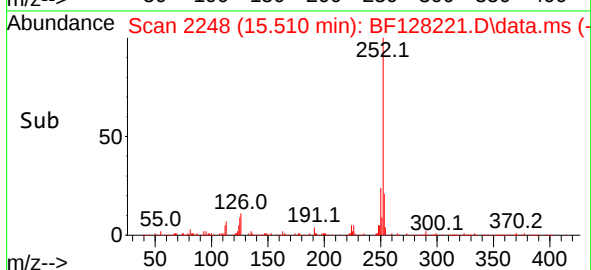
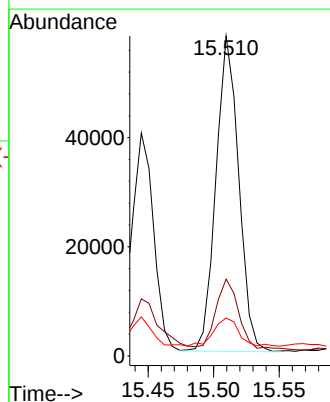
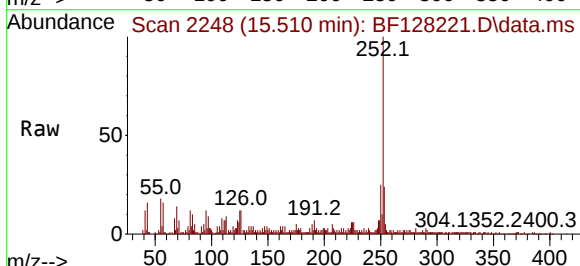
Delta R.T. -0.000 min

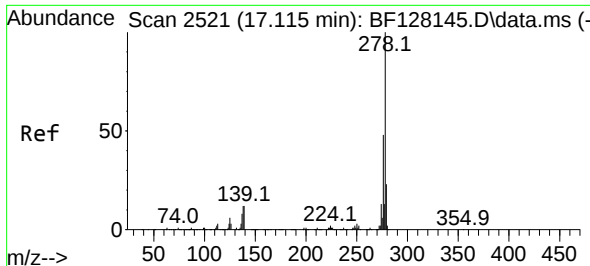
Lab File: BF128221.D

Acq: 12 May 2022 16:10

Tgt Ion:252 Resp: 69637

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	11.8	9.2	13.8





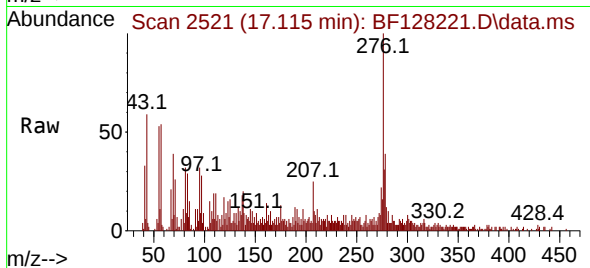
#91
Dibenzo(a,h)anthracene
Concen: 2.038 ng
RT: 17.115 min Scan# 2521
Delta R.T. -0.000 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

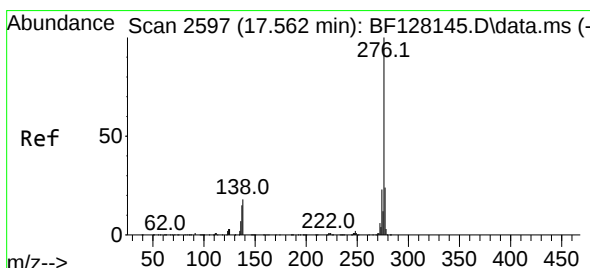
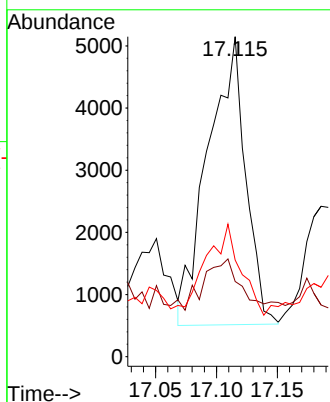
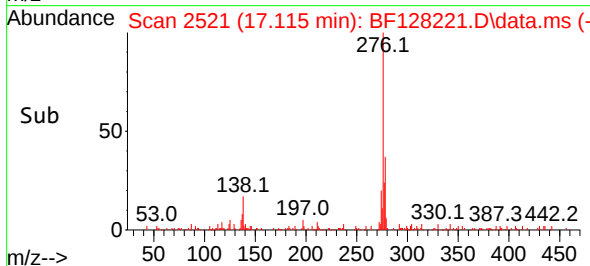


Tgt Ion:278 Resp: 993
Ion Ratio Lower Upper
278 100
139 23.5 12.6 19.0
279 30.2 18.9 28.3

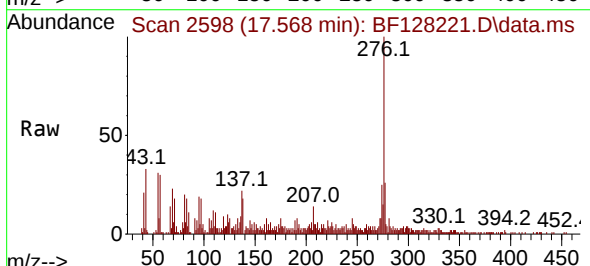
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/13/2022
Supervised By :Jagrut Upadhyay 05/13/2022



#92
Benzo(g,h,i)perylene
Concen: 9.039 ng
RT: 17.568 min Scan# 2598
Delta R.T. 0.006 min
Lab File: BF128221.D
Acq: 12 May 2022 16:10



Tgt Ion:276 Resp: 44617
Ion Ratio Lower Upper
276 100
277 25.9 18.8 28.2
138 18.0 16.2 24.2

