

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050622\
 Data File : BF128139.D
 Acq On : 06 May 2022 22:21
 Operator : CG\JU
 Sample : N2691-01DL 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/09/2022
 Supervised By : mohammad ahmed 05/09/2022

Quant Time: May 06 23:26:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	79490	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	306036	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	169720	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	280506	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	196690	20.000	ng	0.00
86) Perylene-d12	15.592	264	173006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	213286	42.737	ng	-0.01
7) Phenol-d6	6.528	99	286981	44.317	ng	-0.02
23) Nitrobenzene-d5	7.463	82	202304	31.085	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	72099	42.200	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	326974	32.592	ng	-0.01
79) Terphenyl-d14	13.022	244	295577	27.479	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.975	154	30155	3.064	ng	98
55) Dibenzofuran	10.151	168	43318	3.051	ng	96
58) Fluorene	10.492	166	67711m	6.390	ng	
71) Phenanthrene	11.463	178	501673	34.166	ng	99
72) Anthracene	11.510	178	135586	9.270	ng	99
73) Carbazole	11.669	167	54287	3.851	ng	99
75) Fluoranthene	12.657	202	624163	40.390	ng	97
78) Pyrene	12.886	202	512105	32.253	ng	99
81) Benzo(a)anthracene	14.074	228	282370	21.539	ng	95
83) Chrysene	14.110	228	253834	20.273	ng	98
87) Indeno(1,2,3-cd)pyrene	17.115	276	106511	9.224	ng	# 94
88) Benzo(b)fluoranthene	15.145	252	303411m	27.922	ng	
89) Benzo(k)fluoranthene	15.169	252	101778m	9.297	ng	
90) Benzo(a)pyrene	15.527	252	203533	22.581	ng	97
91) Dibenzo(a,h)anthracene	17.127	278	29970	3.236	ng	# 87
92) Benzo(g,h,i)perylene	17.580	276	94843	9.717	ng	98

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

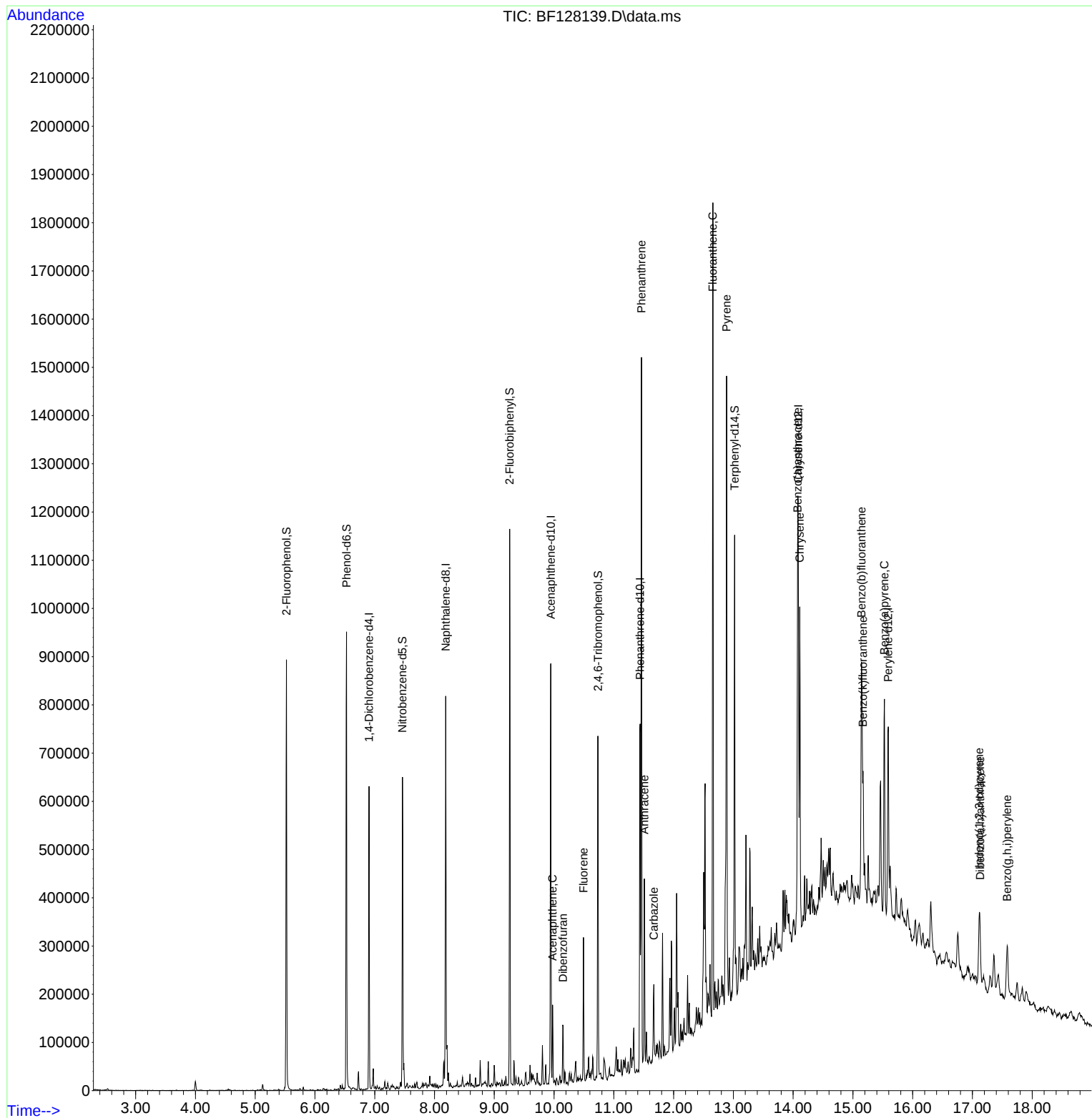
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050622\
Data File : BF128139.D
Acq On : 06 May 2022 22:21
Operator : CG\JU
Sample : N2691-01DL 2X
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ALS Vial : 19 Sample Multiplier: 1

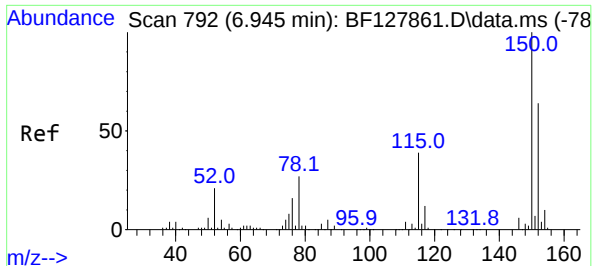
Instrument :
BNA_F
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DEEP-WC-1DL

Quant Time: May 06 23:26:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
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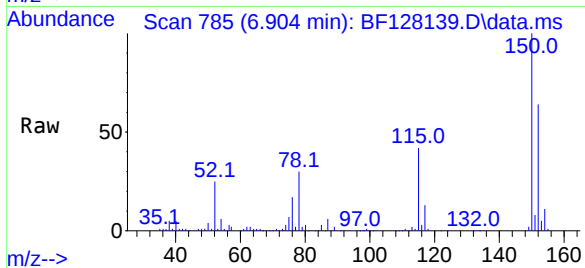
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL

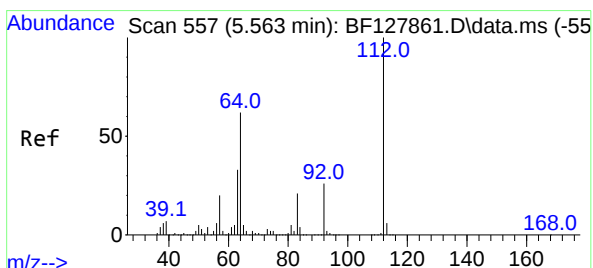
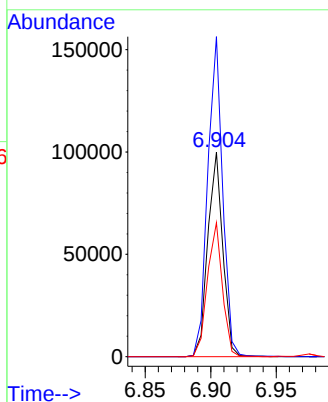
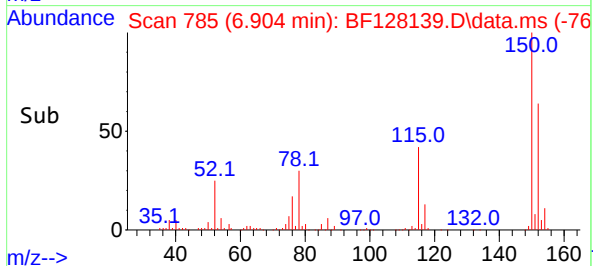


Tgt Ion:152 Resp: 79490
Ion Ratio Lower Upper
152 100
150 156.5 125.3 187.9
115 65.5 48.8 73.2

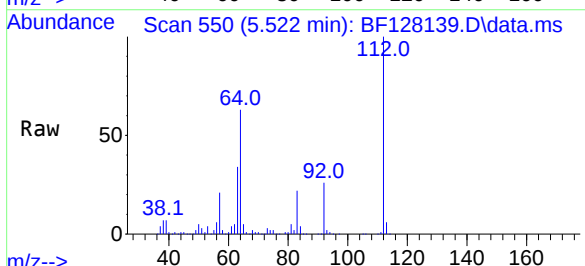
Manual Integrations

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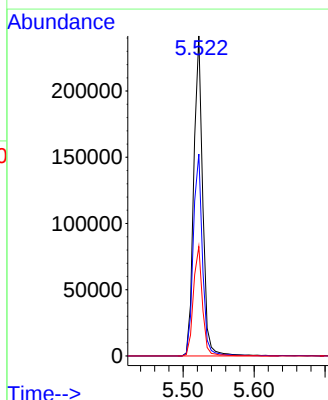
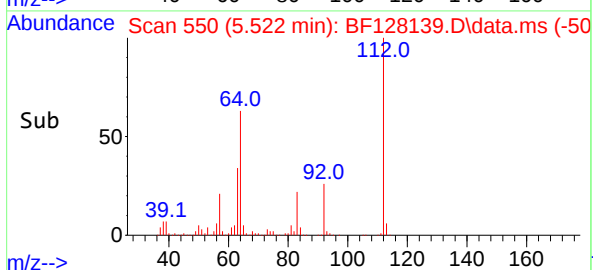
Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022



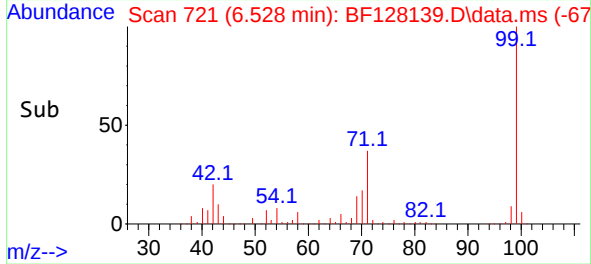
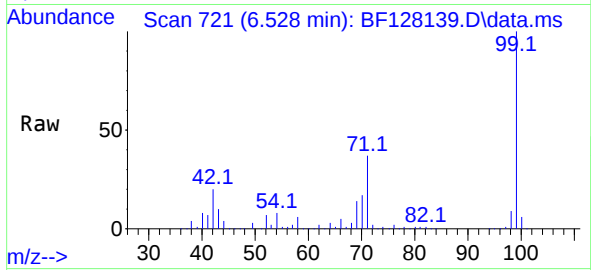
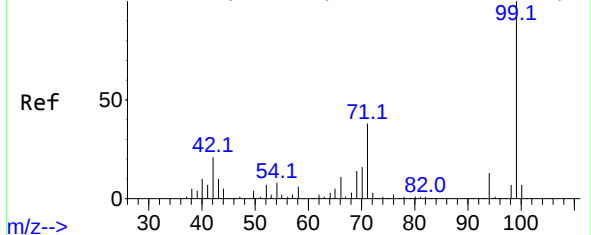
#5
2-Fluorophenol
Concen: 42.737 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21



Tgt Ion:112 Resp: 213286
Ion Ratio Lower Upper
112 100
64 63.1 49.5 74.3
63 34.2 26.3 39.5



Abundance Scan 728 (6.569 min): BF127861.D\data.ms (-72



#7

Phenol-d6

Concen: 44.317 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.017 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL

Tgt Ion: 99 Resp: 28698

Ion Ratio Lower Upper

99 100

42 20.1 16.6 24.8

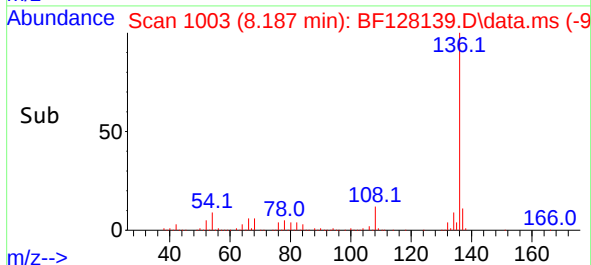
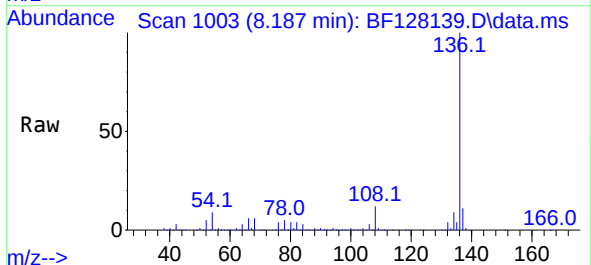
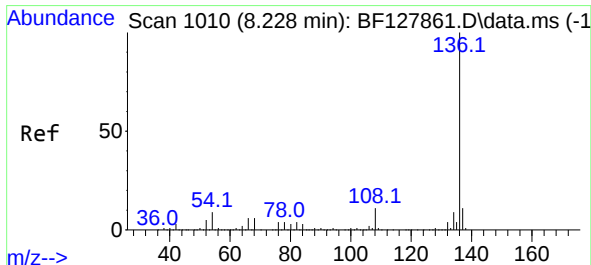
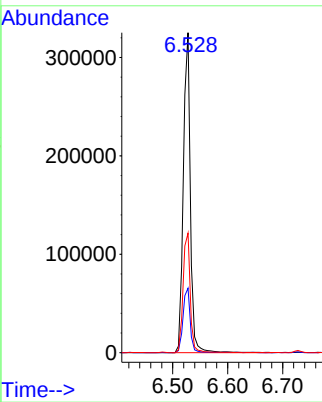
71 37.3 30.0 45.0

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1003

Delta R.T. -0.012 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Tgt Ion:136 Resp: 306036

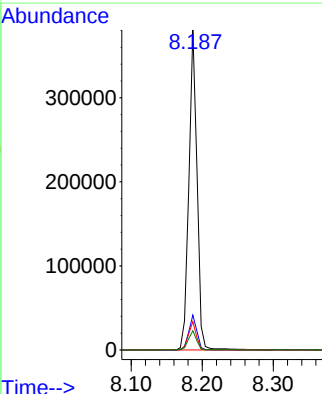
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.8 6.8 10.2

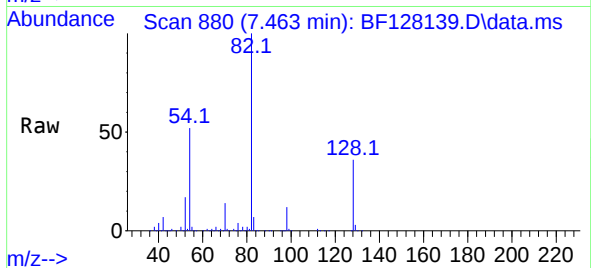
68 6.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 31.085 ng
RT: 7.463 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

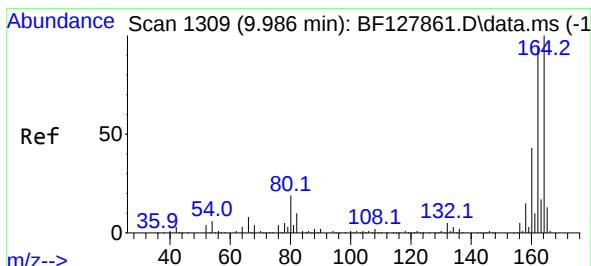
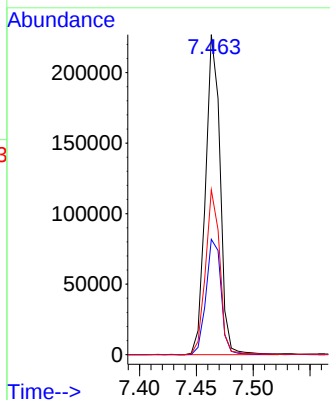
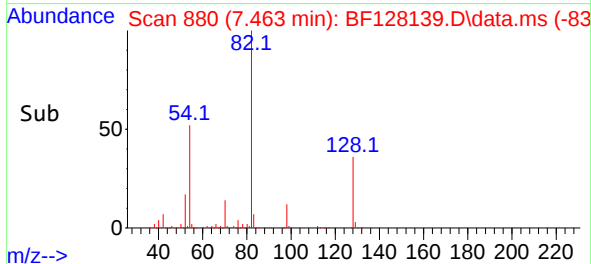
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL



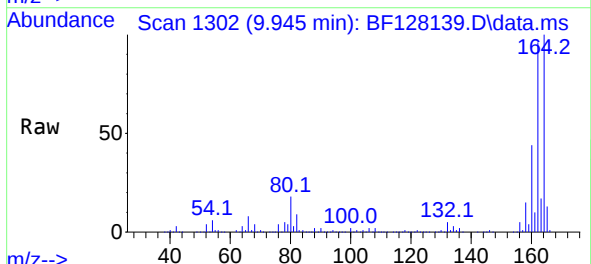
Tgt Ion: 82 Resp: 202304
Ion Ratio Lower Upper
82 100
128 36.1 30.0 45.0
54 51.5 41.3 61.9

Manual Integrations
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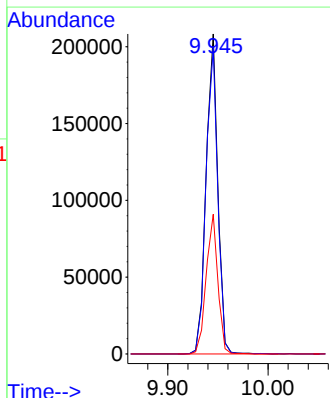
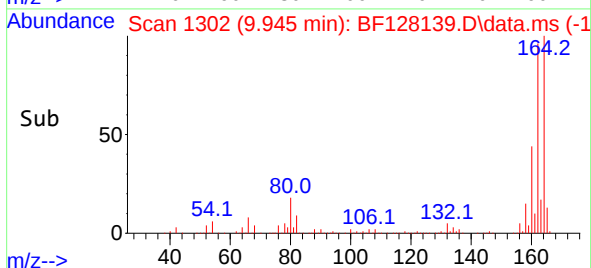
Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022

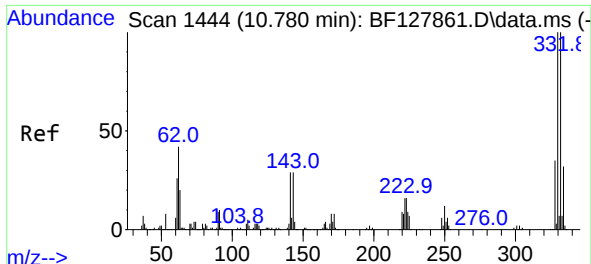


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21



Tgt Ion:164 Resp: 169720
Ion Ratio Lower Upper
164 100
162 95.6 76.0 114.0
160 43.7 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 42.200 ng
RT: 10.733 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

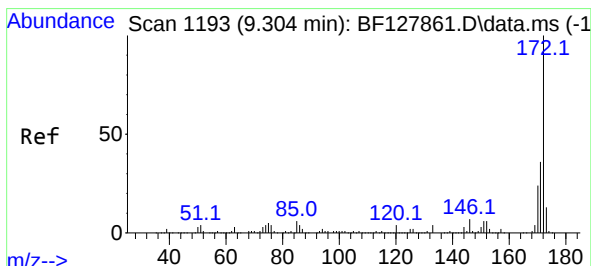
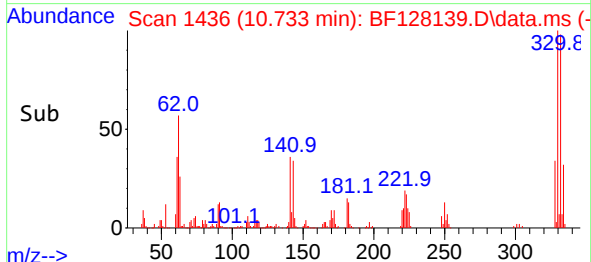
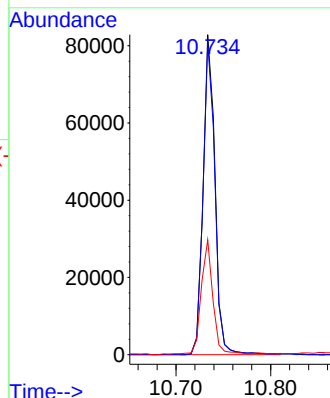
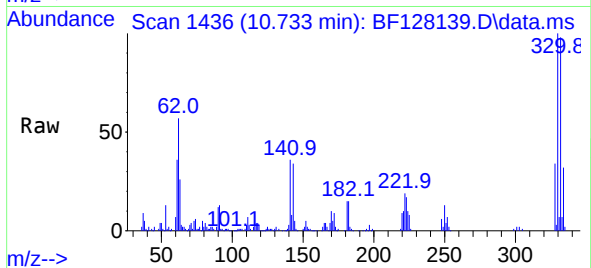
DEEP-WC-1DL

Tgt Ion:330 Resp: 72099
Ion Ratio Lower Upper
330 100
332 97.2 79.0 118.4
141 35.9 28.9 43.3

Manual Integrations

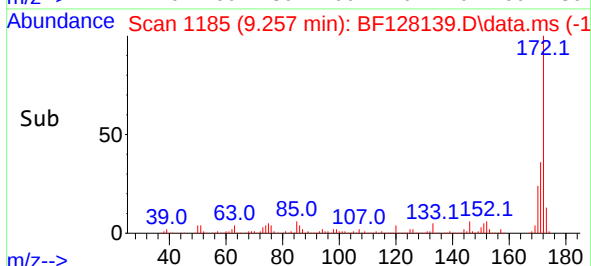
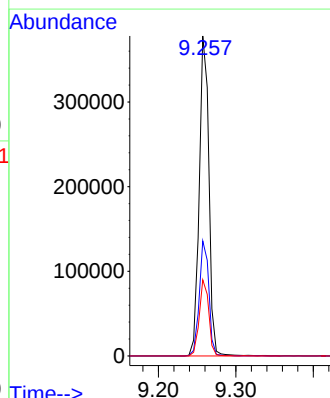
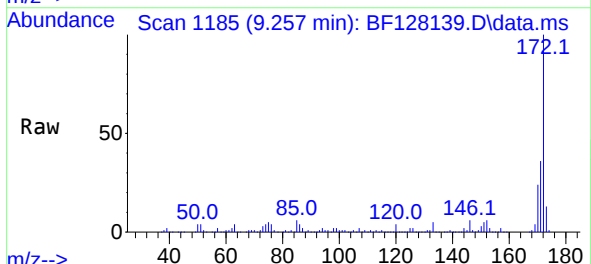
APPROVED

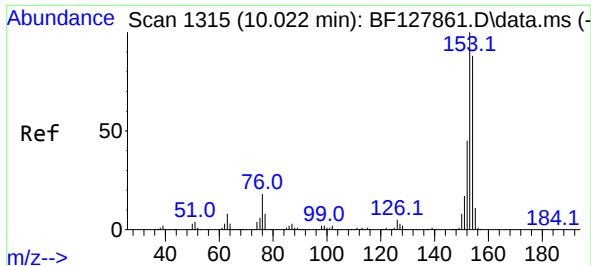
Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022



#45
2-Fluorobiphenyl
Concen: 32.592 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

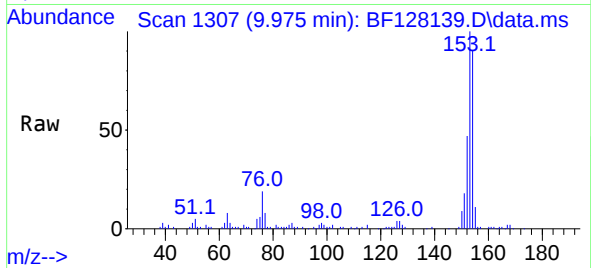
Tgt Ion:172 Resp: 326974
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.8 19.1 28.7





#52
Acenaphthene
Concen: 3.064 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

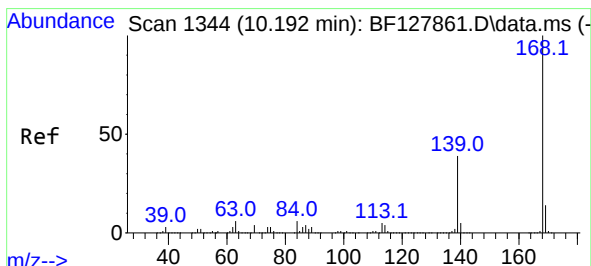
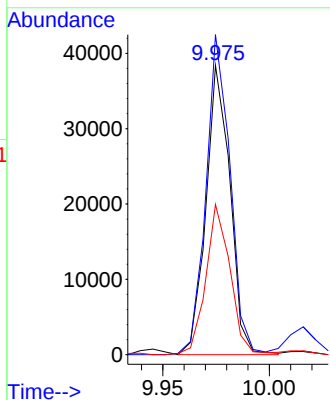
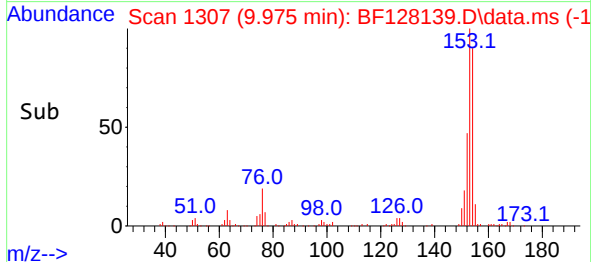
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL



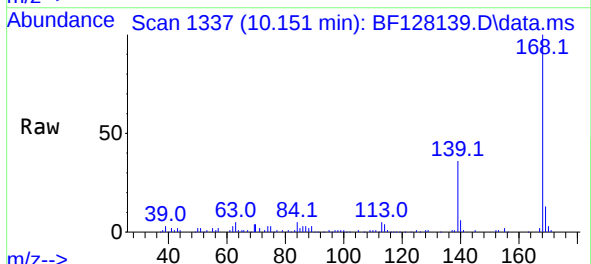
Tgt Ion:154 Resp: 3015
Ion Ratio Lower Upper
154 100
153 110.6 90.5 135.7
152 51.9 41.0 61.6

Manual Integrations
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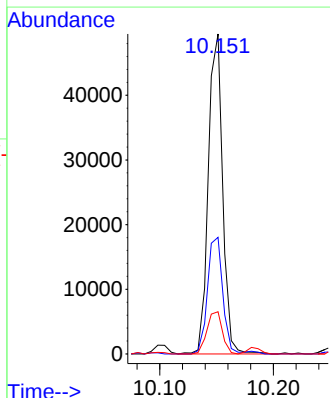
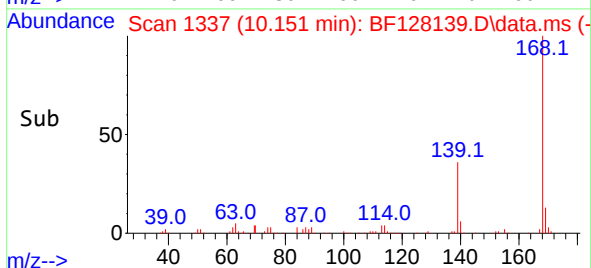
Reviewed By :Christian Giraldo 05/09/2022
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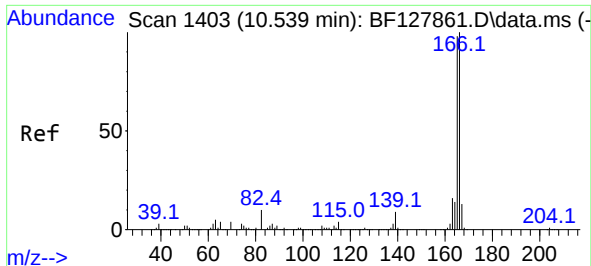


#55
Dibenzofuran
Concen: 3.051 ng
RT: 10.151 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21



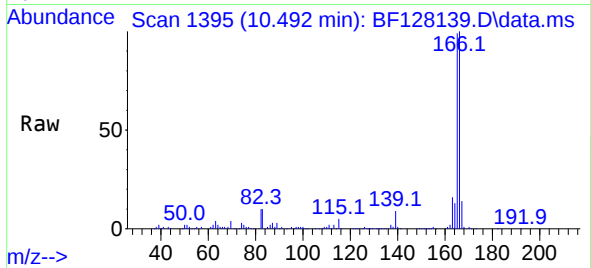
Tgt Ion:168 Resp: 43318
Ion Ratio Lower Upper
168 100
139 36.5 31.7 47.5
169 13.2 10.9 16.3





#58
Fluorene
Concen: 6.390 ng m
RT: 10.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

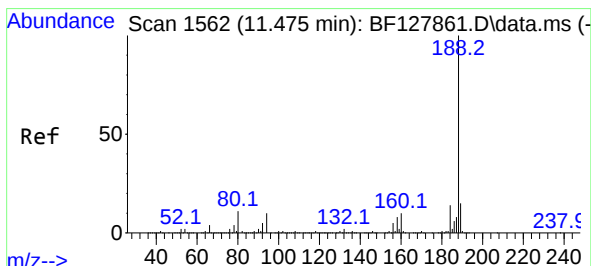
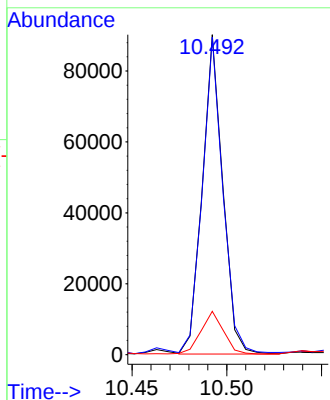
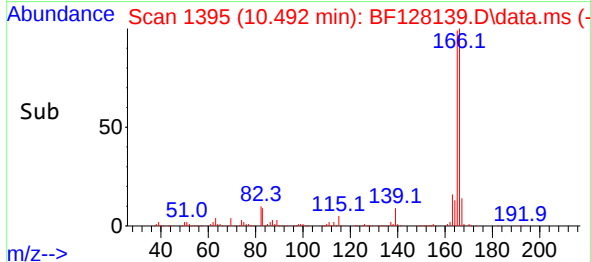
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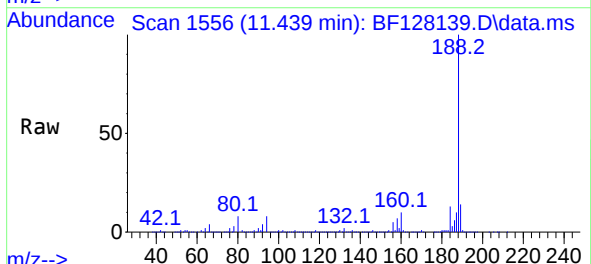
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Ion Ratio Lower Upper
166 100
165 99.2 78.6 117.8
167 13.6 10.5 15.7

Manual Integrations
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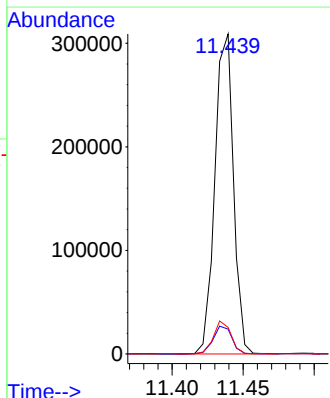
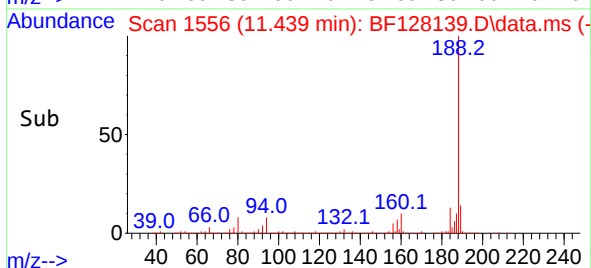
Reviewed By :Christian Giraldo 05/09/2022
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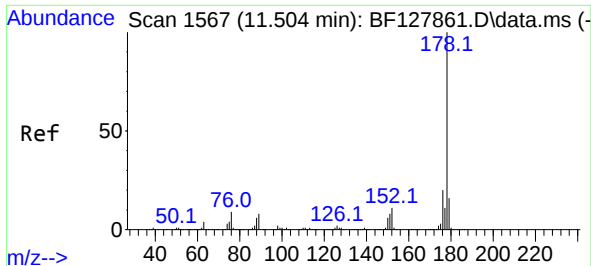


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21



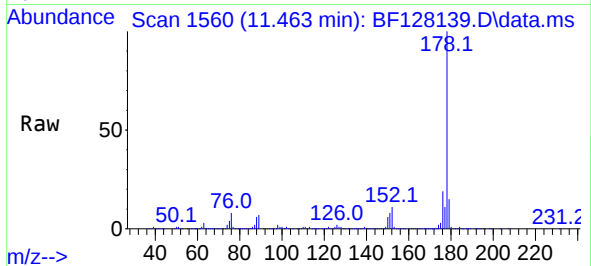
Tgt Ion:188 Resp: 280506
Ion Ratio Lower Upper
188 100
94 7.8 8.0 12.0#
80 8.3 8.9 13.3#





#71
Phenanthrene
Concen: 34.166 ng
RT: 11.463 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

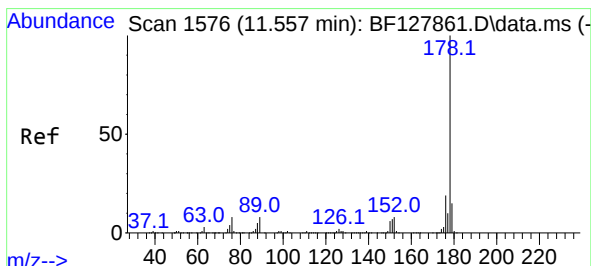
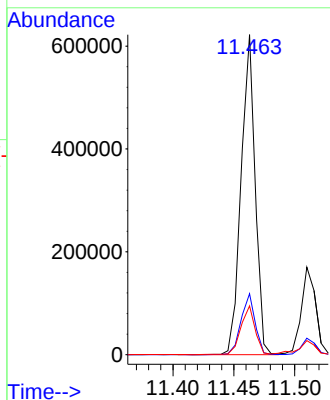
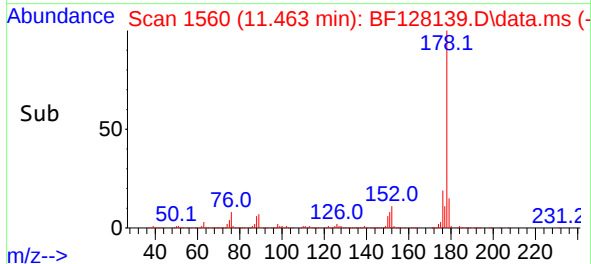
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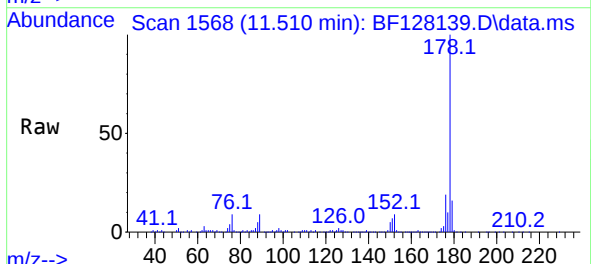
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Ion Ratio Lower Upper
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176 19.1 15.7 23.5
179 15.2 12.6 19.0

Manual Integrations
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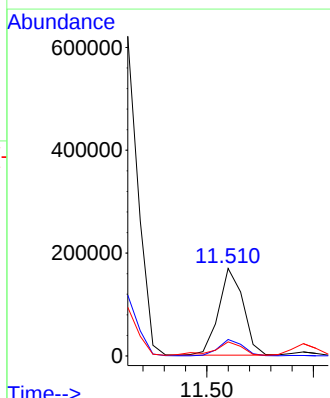
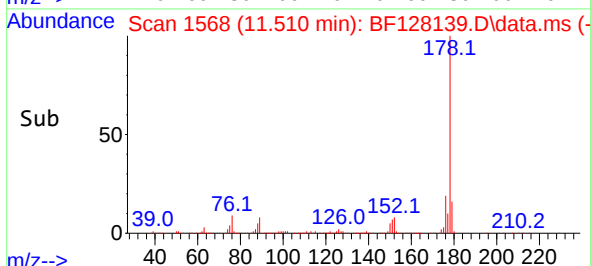
Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022

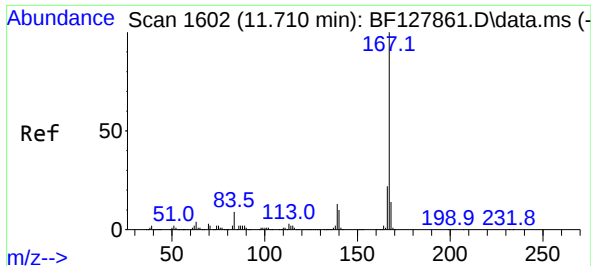


#72
Anthracene
Concen: 9.270 ng
RT: 11.510 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21



Tgt Ion:178 Resp: 135586
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 16.1 12.4 18.6





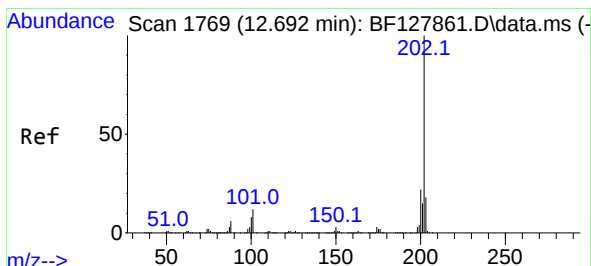
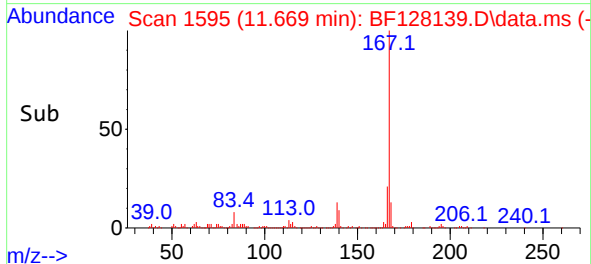
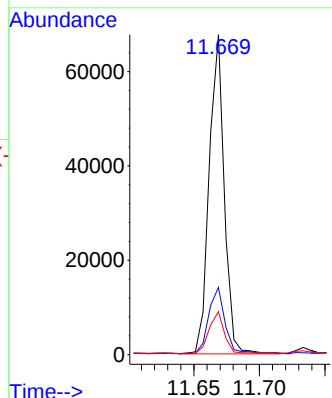
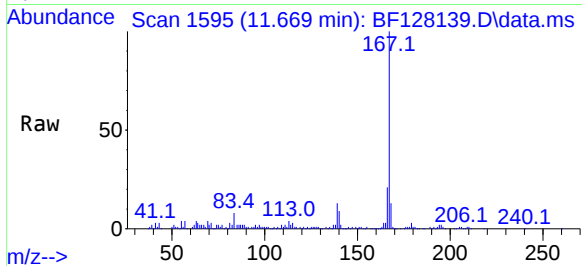
#73
 Carbazole
 Concen: 3.851 ng
 RT: 11.669 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128139.D
 Acq: 06 May 2022 22:21

Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1DL

Tgt Ion:167 Resp: 5428
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.6 26.4
 139 13.5 10.7 16.1

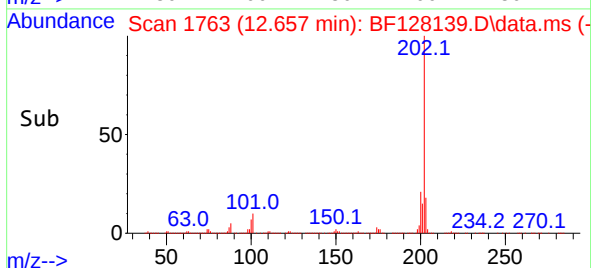
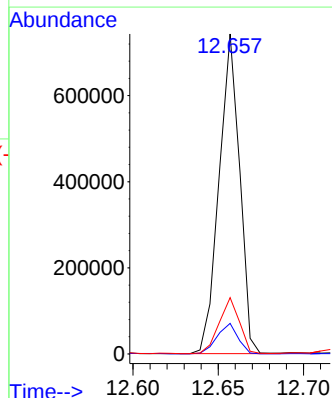
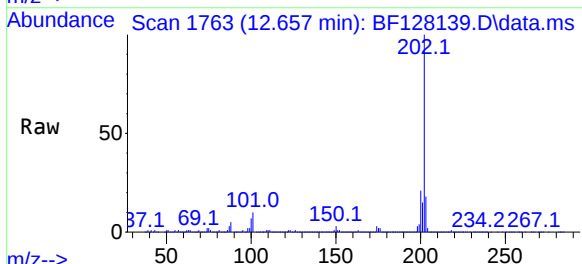
Manual Integrations
 APPROVED

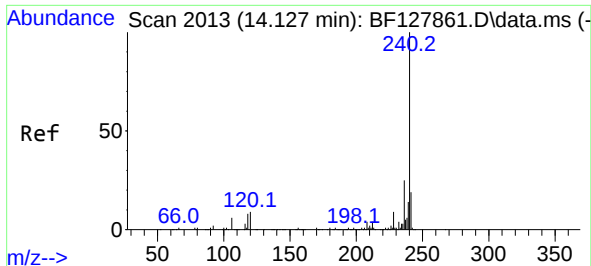
Reviewed By :Christian Giraldo 05/09/2022
 Supervised By :mohammad ahmed 05/09/2022



#75
 Fluoranthene
 Concen: 40.390 ng
 RT: 12.657 min Scan# 1763
 Delta R.T. -0.006 min
 Lab File: BF128139.D
 Acq: 06 May 2022 22:21

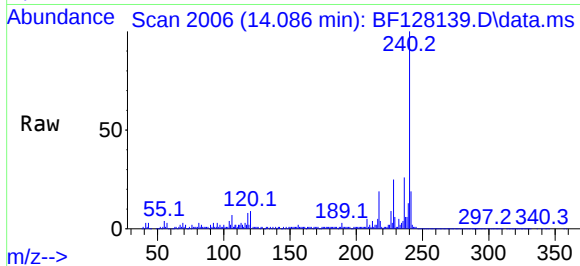
Tgt Ion:202 Resp: 624163
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.6
 203 17.6 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

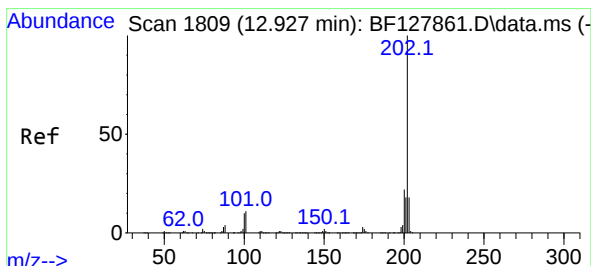
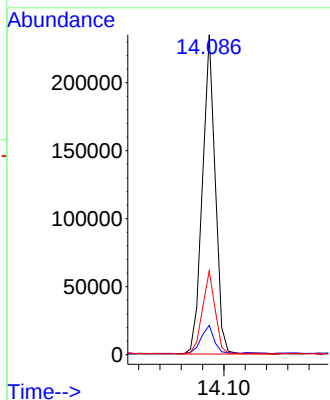
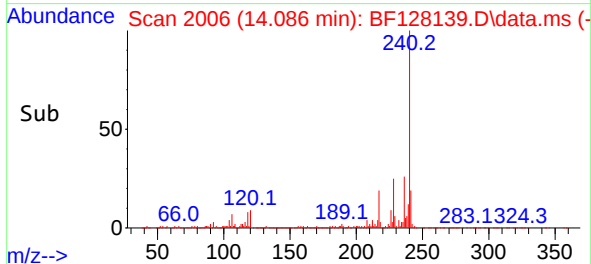
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL



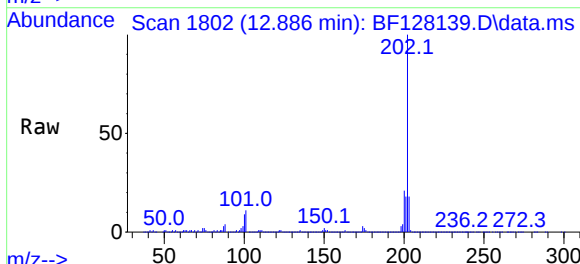
Tgt Ion:240 Resp: 196690
Ion Ratio Lower Upper
240 100
120 9.2 7.0 10.6
236 26.2 20.3 30.5

Manual Integrations
APPROVED

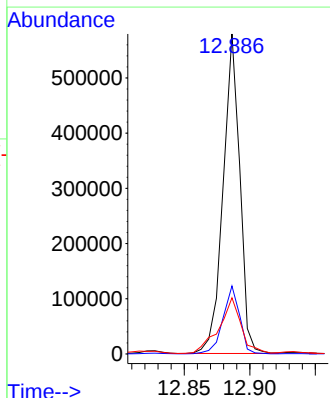
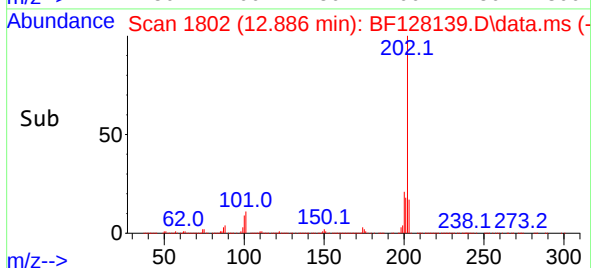
Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022

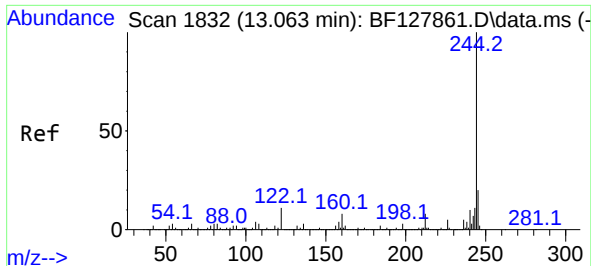


#78
Pyrene
Concen: 32.253 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21



Tgt Ion:202 Resp: 512105
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.6 14.0 21.0





#79
 Terphenyl-d14
 Concen: 27.479 ng
 RT: 13.022 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128139.D
 Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

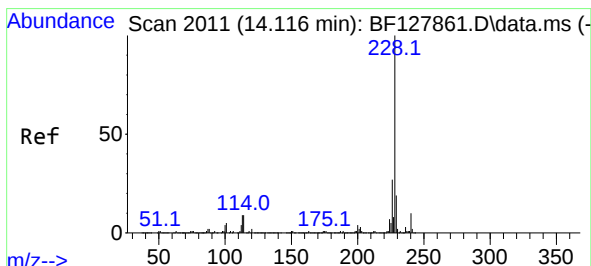
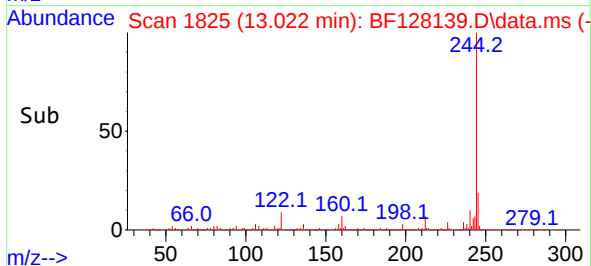
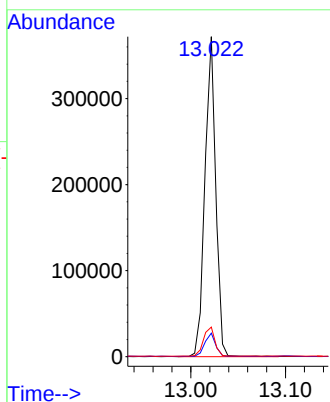
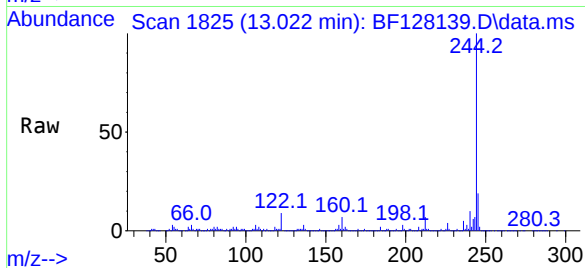
DEEP-WC-1DL

Tgt Ion:244 Resp: 29557
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 9.3 8.6 12.8

Manual Integrations

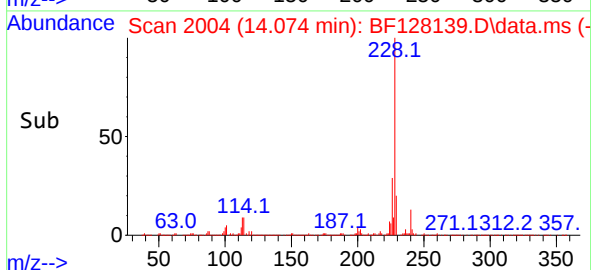
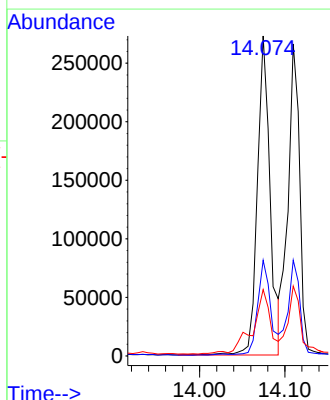
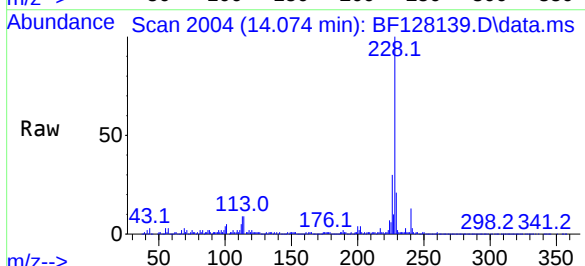
APPROVED

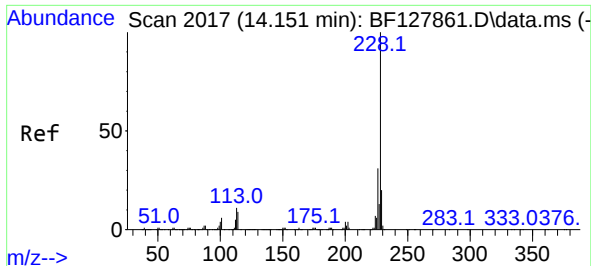
Reviewed By :Christian Giraldo 05/09/2022
 Supervised By :mohammad ahmed 05/09/2022



#81
 Benzo(a)anthracene
 Concen: 21.539 ng
 RT: 14.074 min Scan# 2004
 Delta R.T. -0.006 min
 Lab File: BF128139.D
 Acq: 06 May 2022 22:21

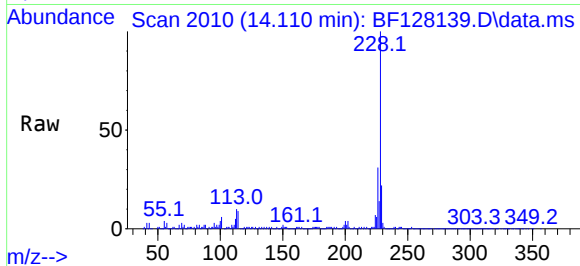
Tgt Ion:228 Resp: 282370
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.7 32.5
 229 20.8 15.4 23.2





#83
Chrysene
Concen: 20.273 ng
RT: 14.110 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

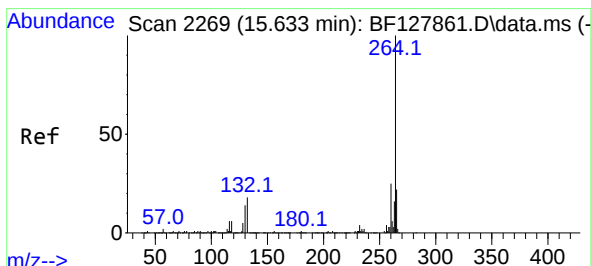
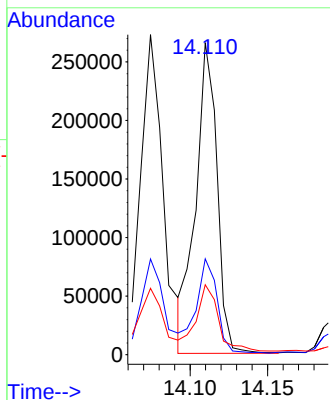
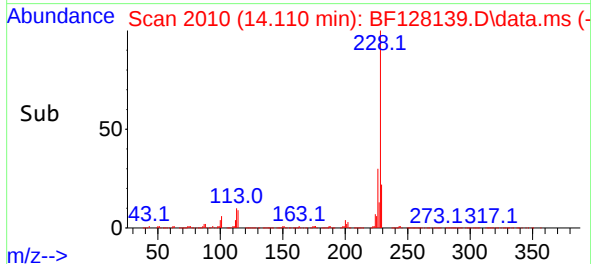
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL



Tgt Ion:228 Resp: 253834
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.4 15.8 23.8

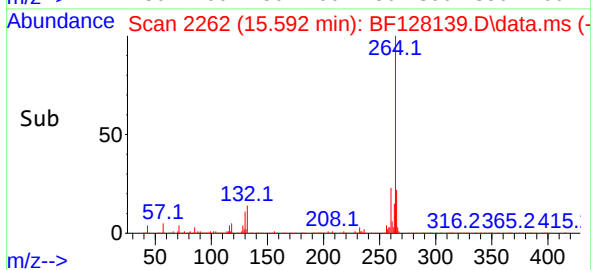
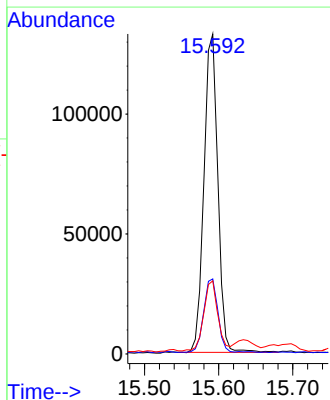
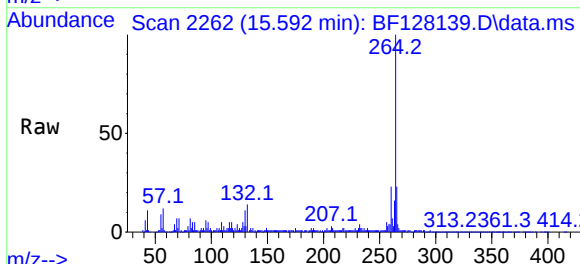
Manual Integrations
APPROVED

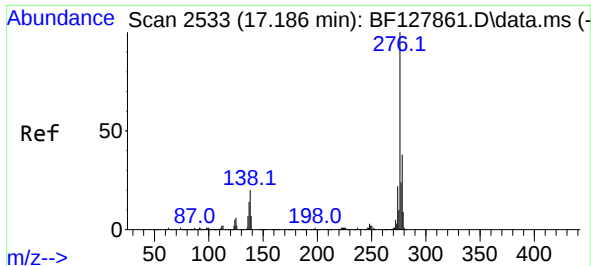
Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:264 Resp: 173006
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 22.8 17.5 26.3





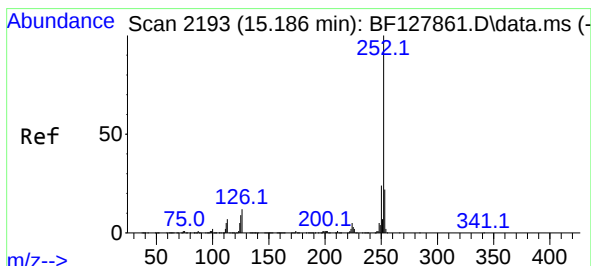
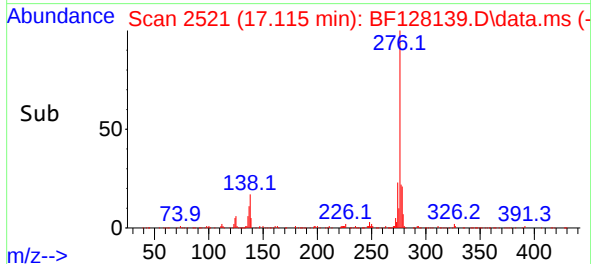
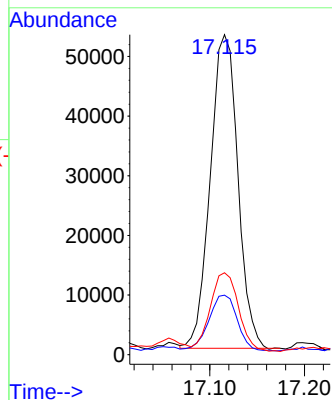
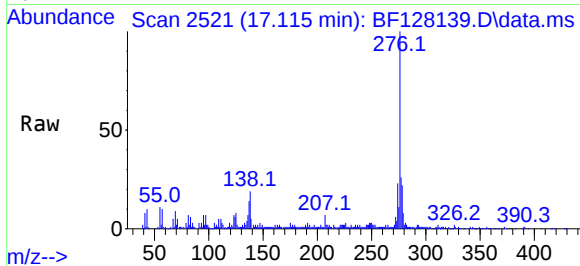
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.224 ng
RT: 17.115 min Scan# 2186
Delta R.T. -0.012 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1DL

Tgt Ion:276 Resp: 106511
Ion Ratio Lower Upper
276 100
138 18.4 19.0 28.4
277 25.9 20.1 30.1

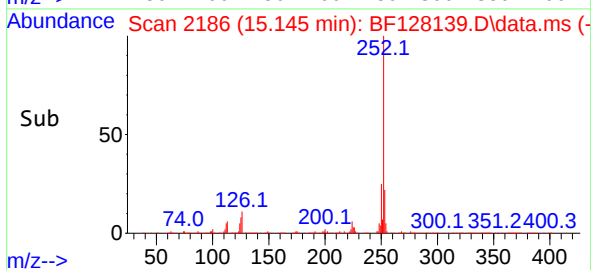
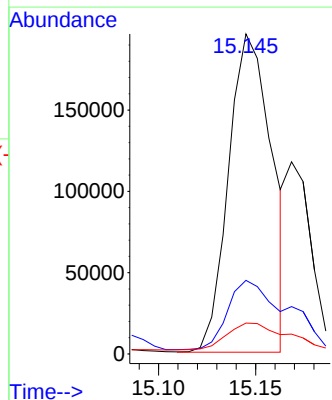
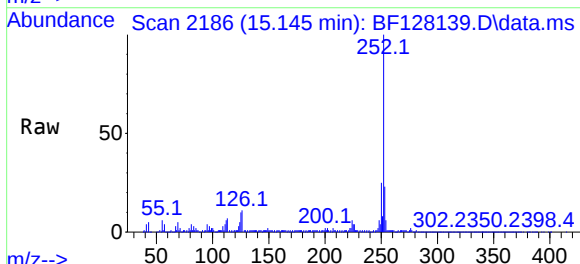
Manual Integrations
APPROVED

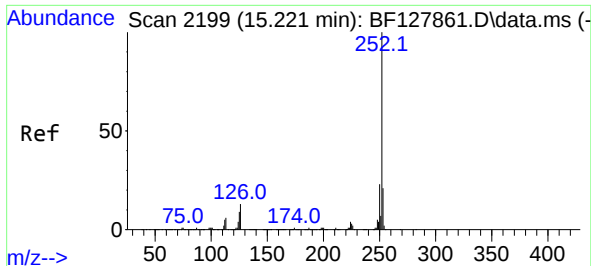
Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022



#88
Benzo(b)fluoranthene
Concen: 27.922 ng m
RT: 15.145 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF128139.D
Acq: 06 May 2022 22:21

Tgt Ion:252 Resp: 303411
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.7 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 9.297 ng m

RT: 15.169 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Instrument :

BNF

ClientSampleId :

DEEP-WC-1DL

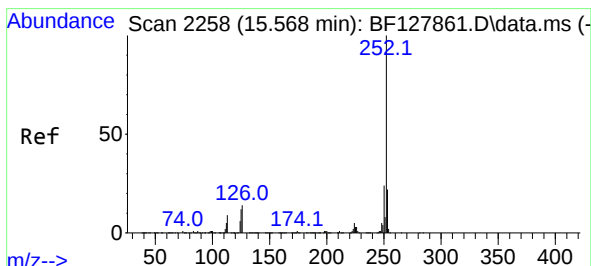
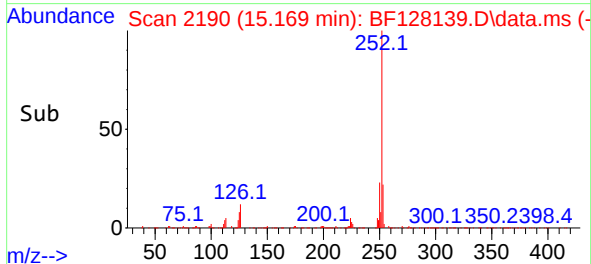
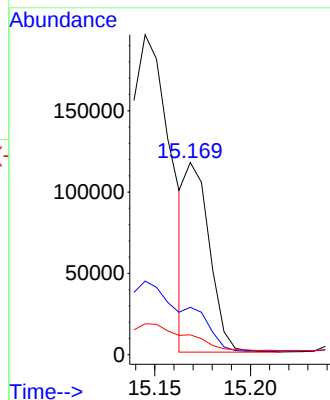
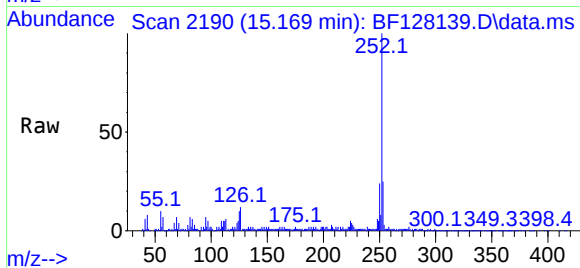
Tgt Ion:252 Resp: 101778

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.4
125	10.3	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022



#90

Benzo(a)pyrene

Concen: 22.581 ng

RT: 15.527 min Scan# 2251

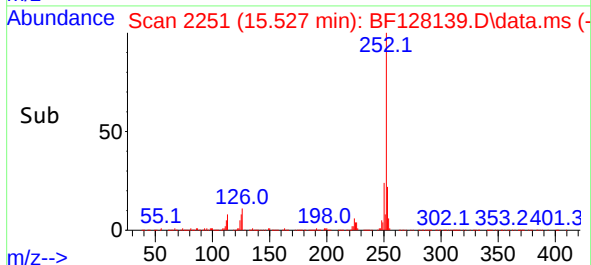
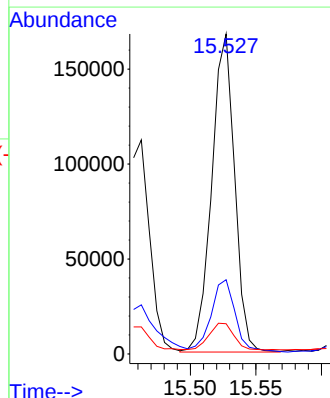
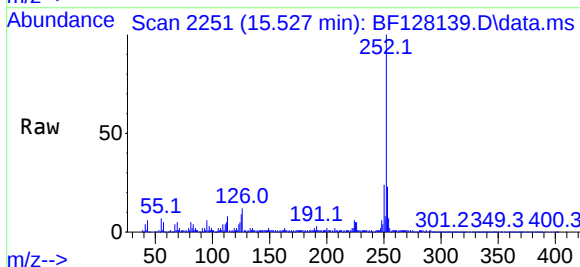
Delta R.T. -0.006 min

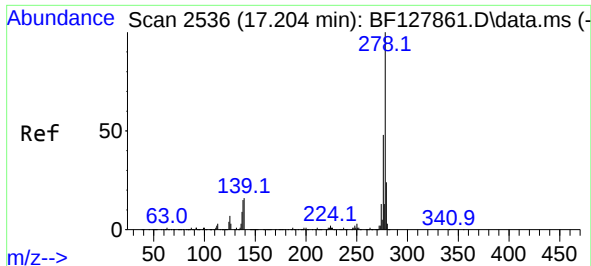
Lab File: BF128139.D

Acq: 06 May 2022 22:21

Tgt Ion:252 Resp: 203533

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	9.4	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 3.236 ng

RT: 17.127 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1DL

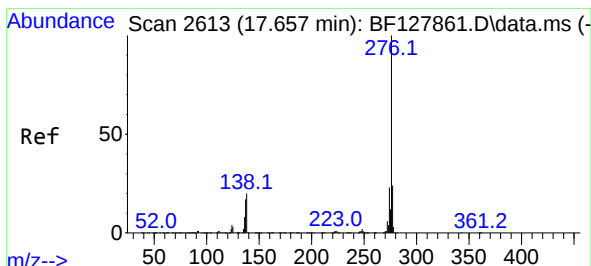
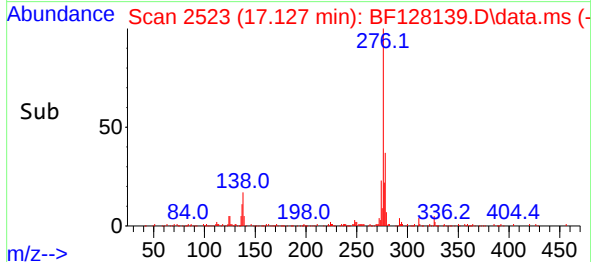
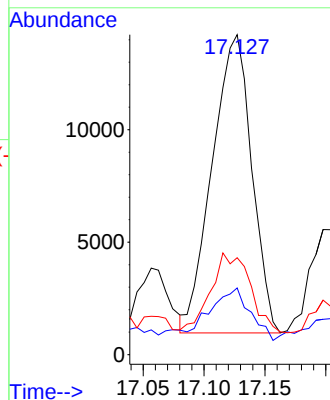
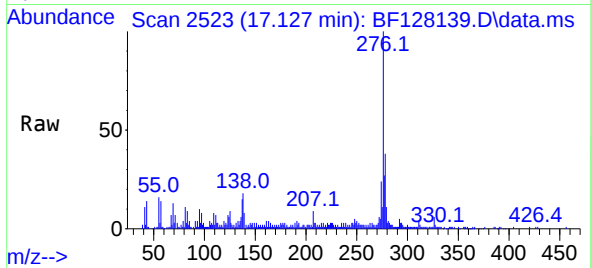
Tgt Ion:278 Resp: 29970

Ion	Ratio	Lower	Upper
278	100		
139	20.9	12.6	19.0
279	30.3	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/09/2022
Supervised By :mohammad ahmed 05/09/2022



#92

Benzo(g,h,i)perylene

Concen: 9.717 ng

RT: 17.580 min Scan# 2600

Delta R.T. -0.017 min

Lab File: BF128139.D

Acq: 06 May 2022 22:21

Tgt Ion:276 Resp: 94843

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	19.4	16.2	24.2

