

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128110.D
 Acq On : 05 May 2022 22:46
 Operator : CG\JU
 Sample : N2691-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/06/2022
 Supervised By : mohammad ahmed 05/09/2022

Quant Time: May 06 05:03:13 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	92109	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	331998	20.000	ng	-0.01
39) Acenaphthene-d10	9.945	164	160879	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	248210	20.000	ng	0.00
76) Chrysene-d12	14.092	240	174583	20.000	ng	0.00
86) Perylene-d12	15.598	264	122734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	471618	81.554	ng	0.00
7) Phenol-d6	6.534	99	616940	82.218	ng	-0.01
23) Nitrobenzene-d5	7.469	82	445563	63.109	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	131919	81.456	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	647884	68.129	ng	0.00
79) Terphenyl-d14	13.027	244	551854	57.801	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	70870	4.191	ng	99
37) 2-Methylnaphthalene	8.898	142	27723	2.481	ng	99
49) Acenaphthylene	9.804	152	55706	4.014	ng	99
52) Acenaphthene	9.974	154	57564m	6.170	ng	
55) Dibenzofuran	10.151	168	81756	6.074	ng	97
58) Fluorene	10.492	166	125025m	12.448	ng	
71) Phenanthrene	11.468	178	854701	65.783	ng	99
72) Anthracene	11.516	178	244533	18.894	ng	99
73) Carbazole	11.668	167	101508	8.138	ng	99
75) Fluoranthene	12.663	202	1152273	84.266	ng	99
78) Pyrene	12.892	202	949252	67.355	ng	99
81) Benzo(a)anthracene	14.080	228	507256	43.592	ng	95
83) Chrysene	14.115	228	443824	39.936	ng	97
87) Indeno(1,2,3-cd)pyrene	17.127	276	175712	21.449	ng	# 95
88) Benzo(b)fluoranthene	15.156	252	435529m	56.498	ng	
89) Benzo(k)fluoranthene	15.180	252	167358m	21.549	ng	
90) Benzo(a)pyrene	15.533	252	289482	45.272	ng	96
91) Dibenzo(a,h)anthracene	17.133	278	48939	7.449	ng	# 84
92) Benzo(g,h,i)perylene	17.598	276	162908	23.528	ng	97

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

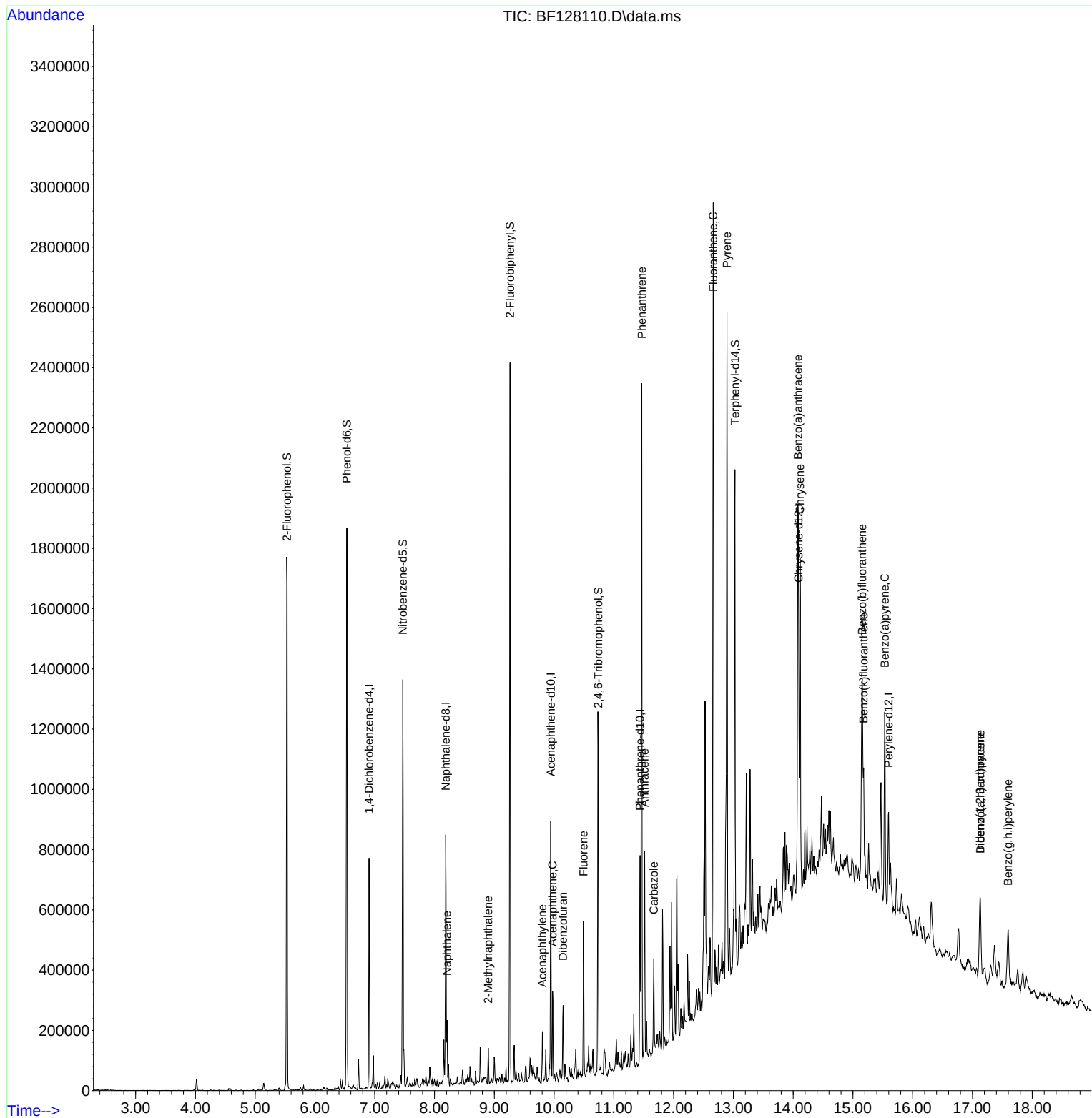
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128110.D
Acq On : 05 May 2022 22:46
Operator : CG\JU
Sample : N2691-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

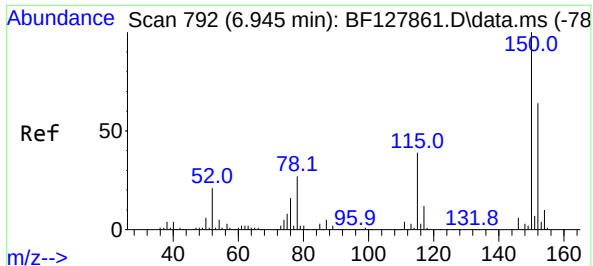
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

Quant Time: May 06 05:03:13 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

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/06/2022
Supervised By : mohammad ahmed 05/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

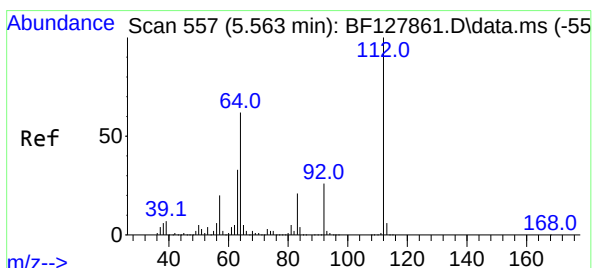
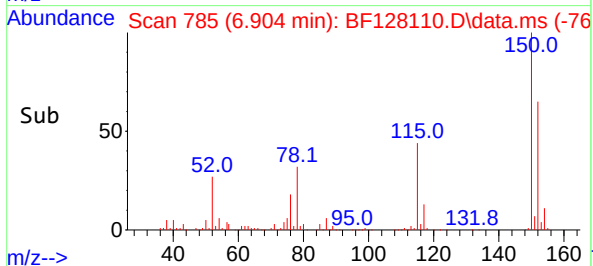
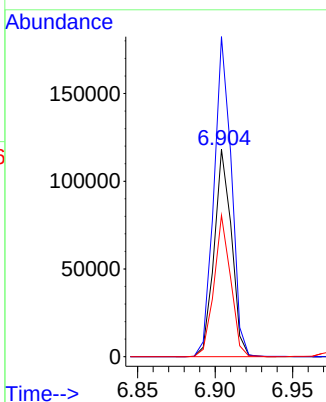
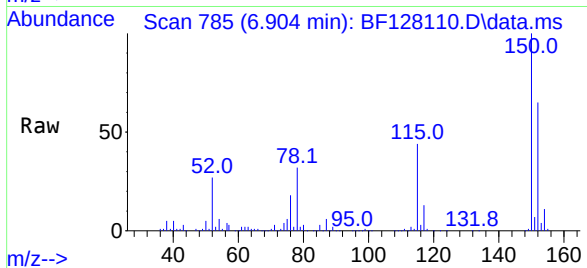
DEEP-WC-1

Tgt Ion:152 Resp: 92109
Ion Ratio Lower Upper
152 100
150 154.5 125.3 187.9
115 68.2 48.8 73.2

Manual Integrations

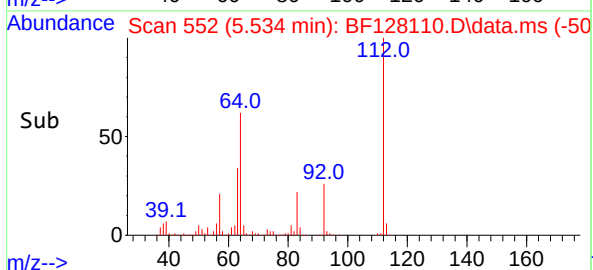
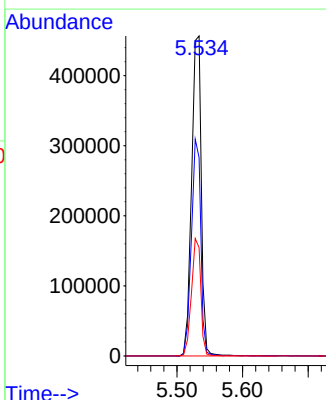
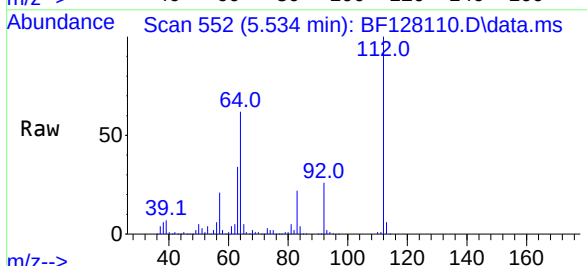
APPROVED

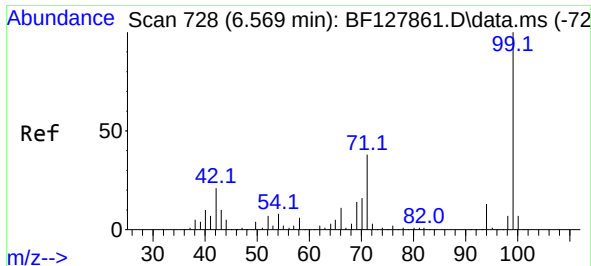
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#5
2-Fluorophenol
Concen: 81.554 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:112 Resp: 471618
Ion Ratio Lower Upper
112 100
64 62.0 49.5 74.3
63 33.9 26.3 39.5





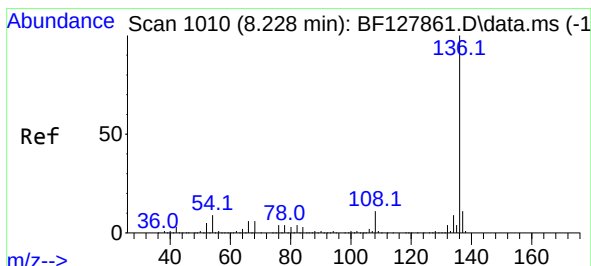
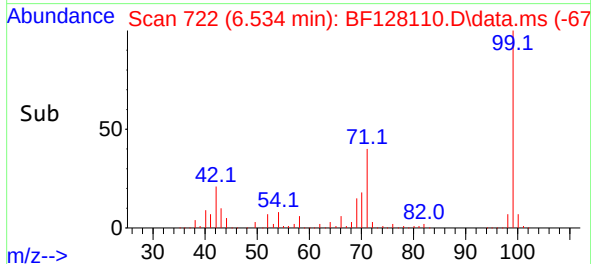
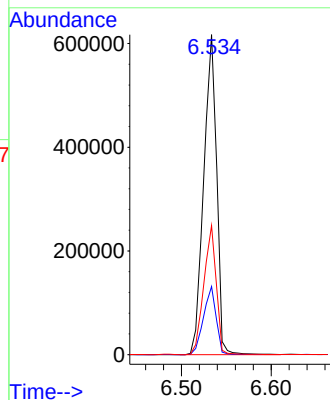
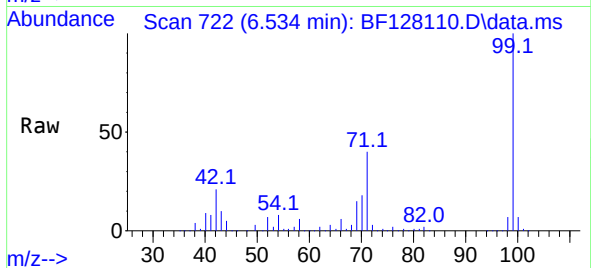
#7
Phenol-d6
Concen: 82.218 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1

Tgt Ion: 99 Resp: 616940
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 40.3 30.0 45.0

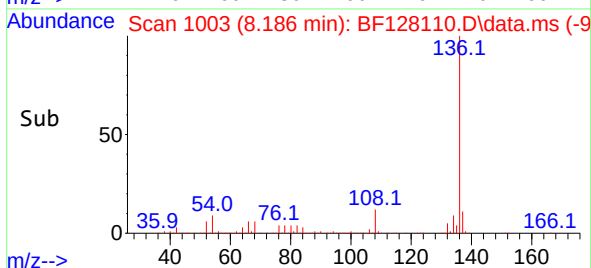
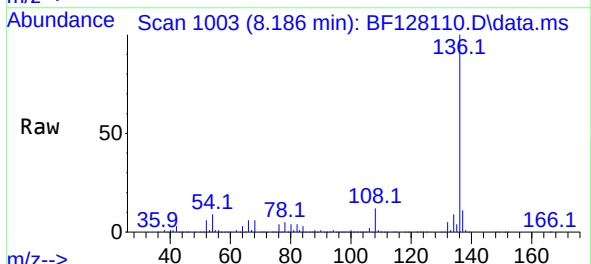
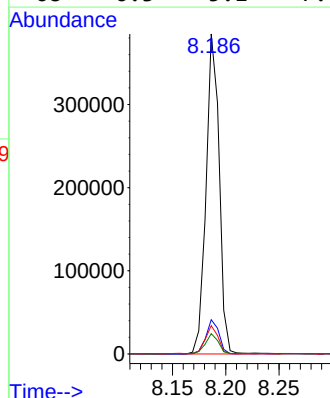
Manual Integrations
APPROVED

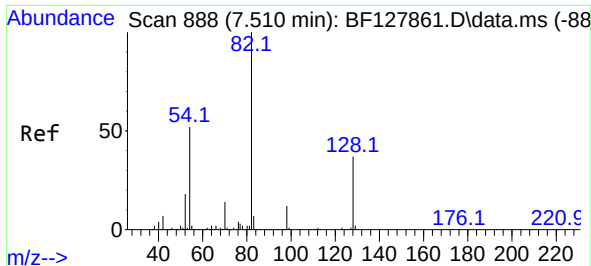
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:136 Resp: 331998
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.8 6.8 10.2
68 6.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 63.109 ng

RT: 7.469 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

Tgt Ion: 82 Resp: 44556

Ion Ratio Lower Upper

82 100

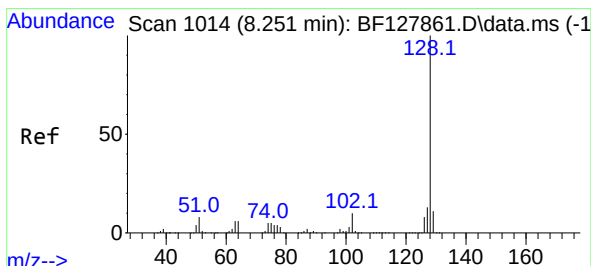
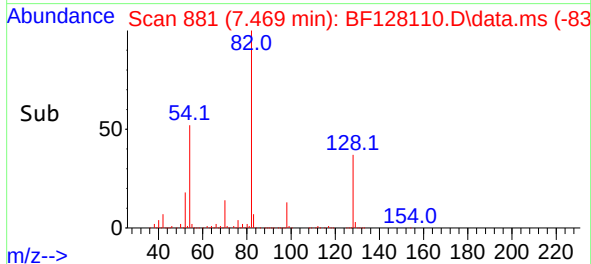
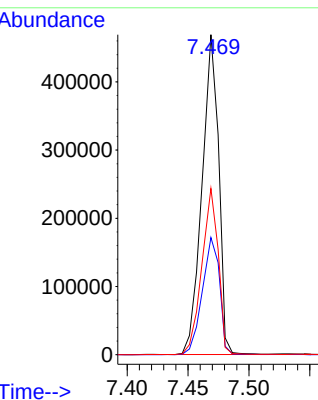
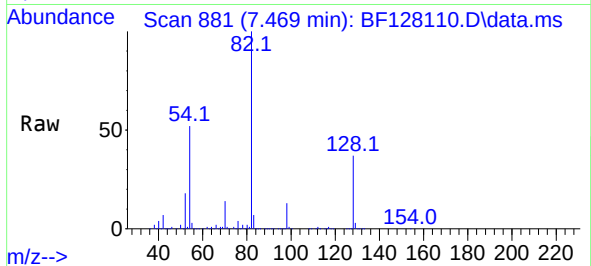
128 36.6 30.0 45.0

54 52.0 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#31

Naphthalene

Concen: 4.191 ng

RT: 8.210 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

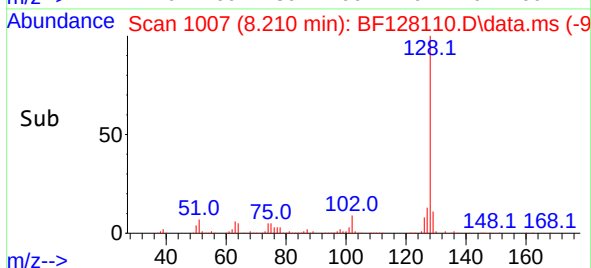
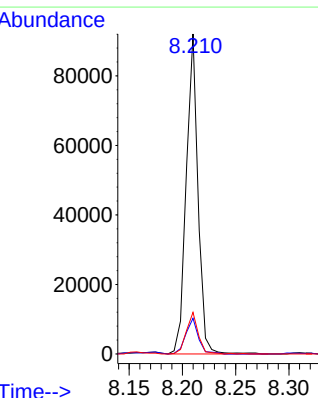
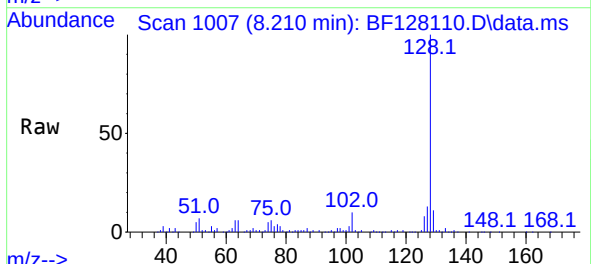
Tgt Ion:128 Resp: 70870

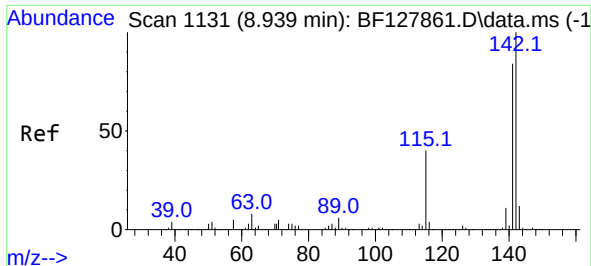
Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.0 10.6 16.0





#37

2-Methylnaphthalene

Concen: 2.481 ng

RT: 8.898 min Scan# 1124

Delta R.T. -0.012 min

Lab File: BF128110.D

Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

Tgt Ion:142 Resp: 2772

Ion Ratio Lower Upper

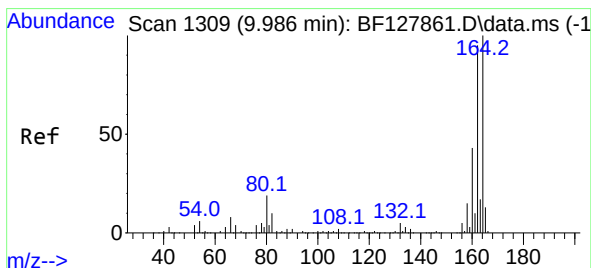
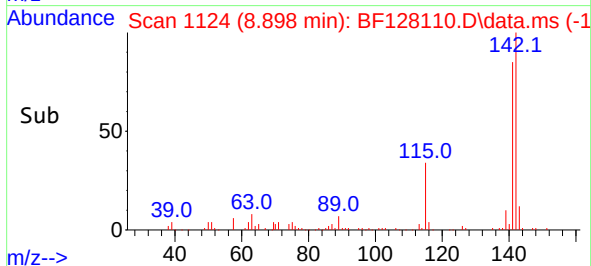
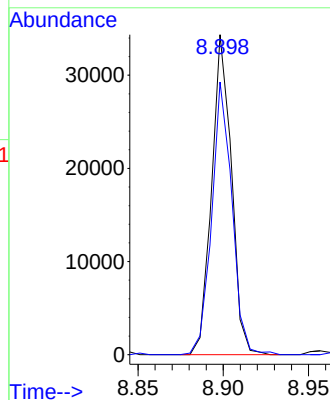
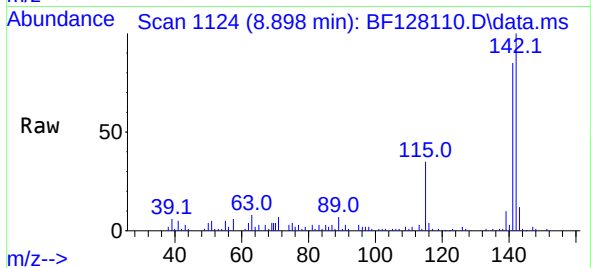
142 100

141 85.2 67.4 101.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/06/2022
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: BF128110.D

Acq: 05 May 2022 22:46

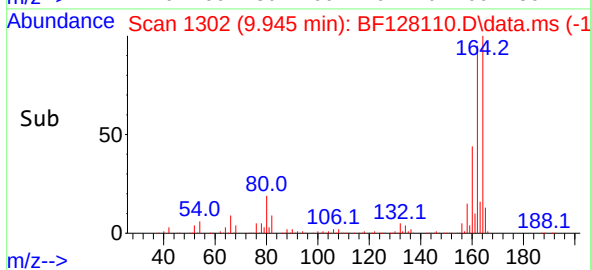
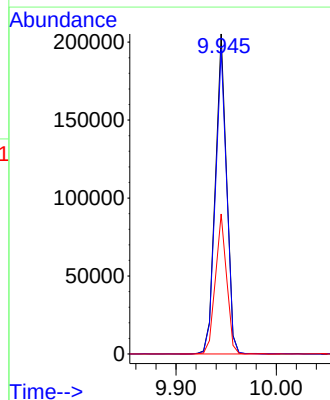
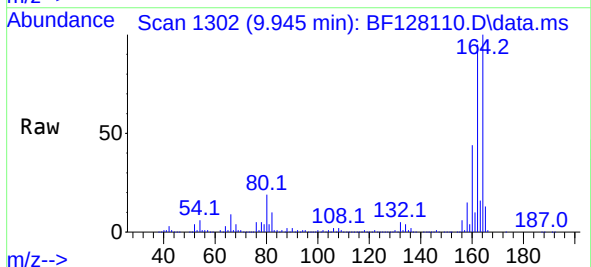
Tgt Ion:164 Resp: 160879

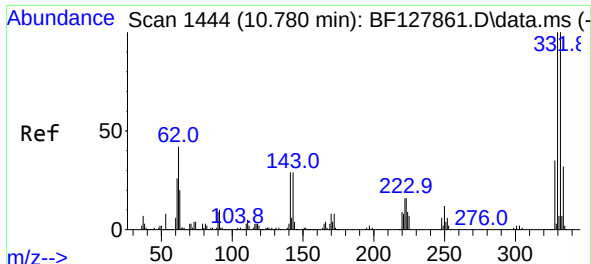
Ion Ratio Lower Upper

164 100

162 95.3 76.0 114.0

160 43.8 34.8 52.2





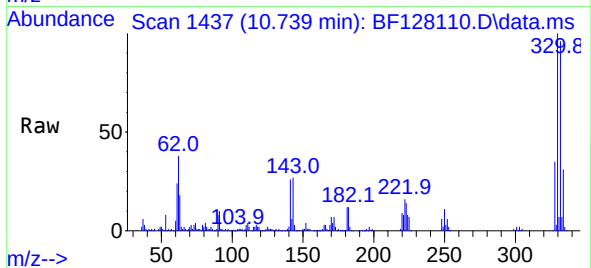
#42
2,4,6-Tribromophenol
Concen: 81.456 ng
RT: 10.739 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

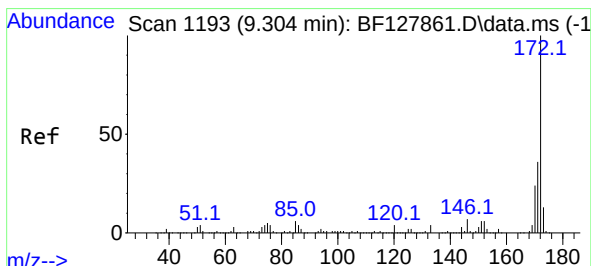
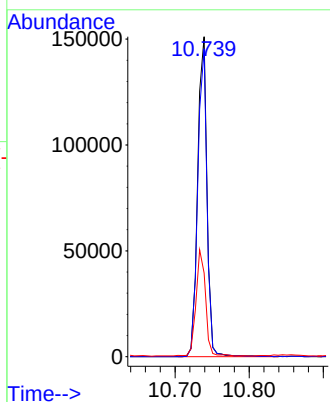
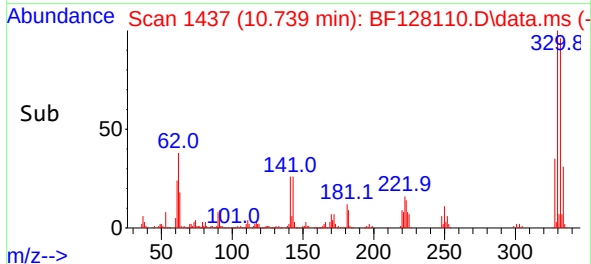


Tgt Ion:330 Resp: 131919
Ion Ratio Lower Upper
330 100
332 95.5 79.0 118.4
141 33.8 28.9 43.3

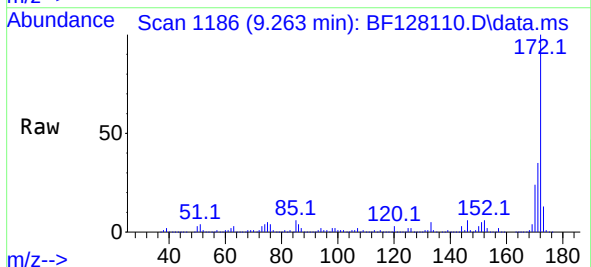
Manual Integrations

APPROVED

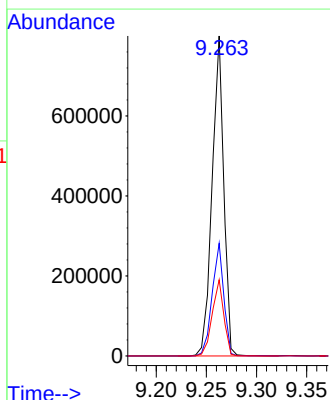
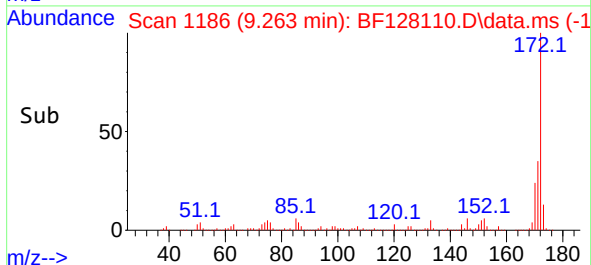
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

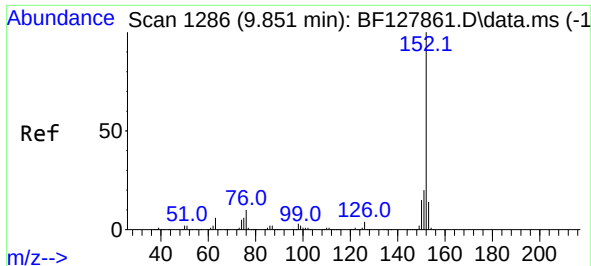


#45
2-Fluorobiphenyl
Concen: 68.129 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46



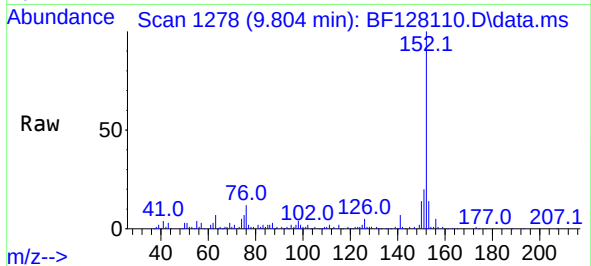
Tgt Ion:172 Resp: 647884
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.8 19.1 28.7





#49
Acenaphthylene
Concen: 4.014 ng
RT: 9.804 min Scan# 1107
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

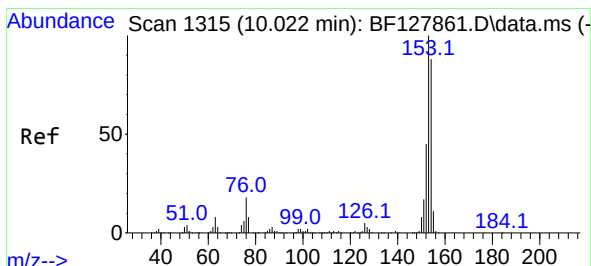
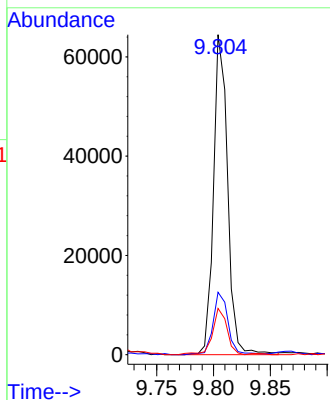
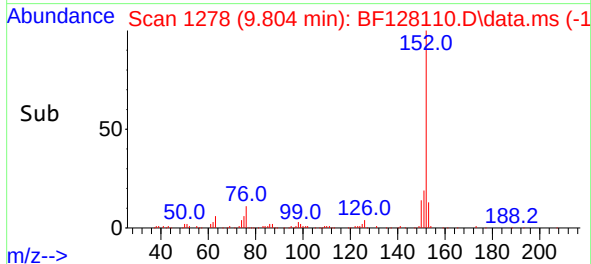
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1



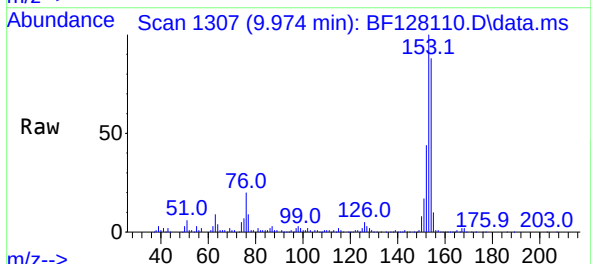
Tgt Ion:152 Resp: 55700
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 14.4 11.2 16.8

Manual Integrations
APPROVED

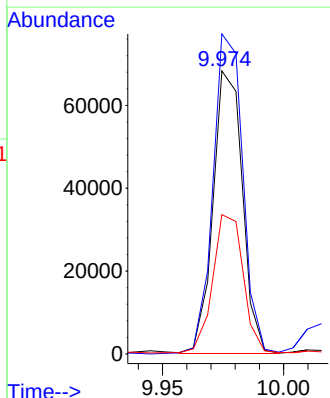
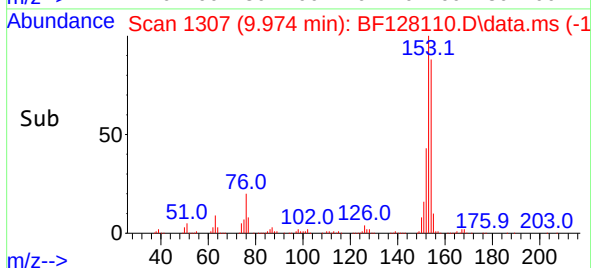
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

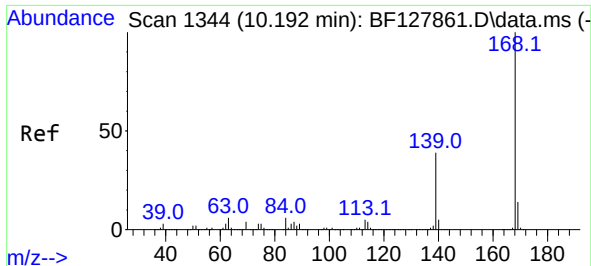


#52
Acenaphthene
Concen: 6.170 ng m
RT: 9.974 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46



Tgt Ion:154 Resp: 57564
Ion Ratio Lower Upper
154 100
153 113.0 90.5 135.7
152 49.2 41.0 61.6





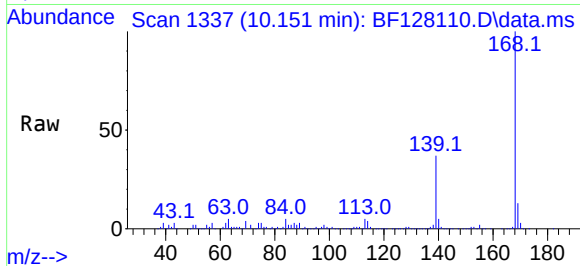
#55
Dibenzenofuran
Concen: 6.074 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1

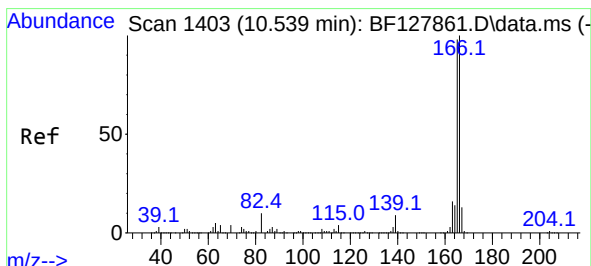
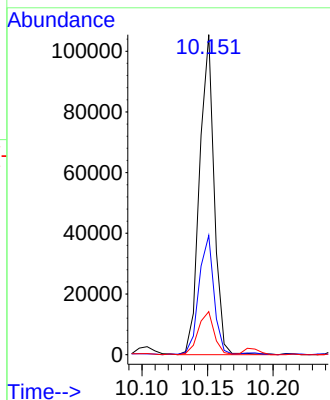
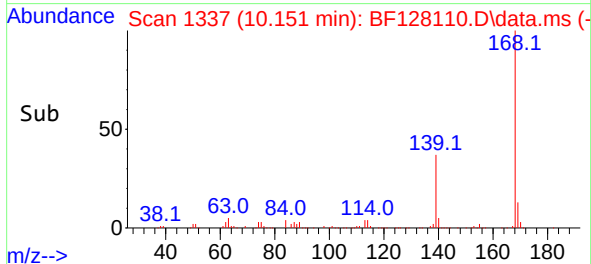


Tgt Ion:168 Resp: 81750
Ion Ratio Lower Upper
168 100
139 37.2 31.7 47.5
169 13.5 10.9 16.3

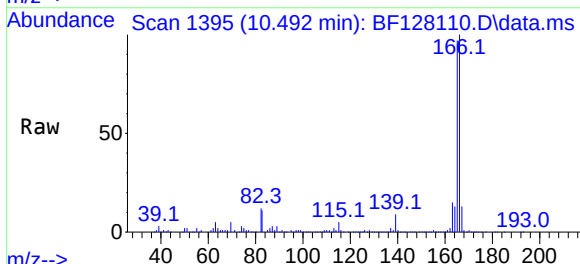
Manual Integrations

APPROVED

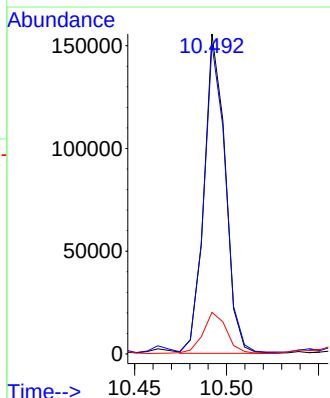
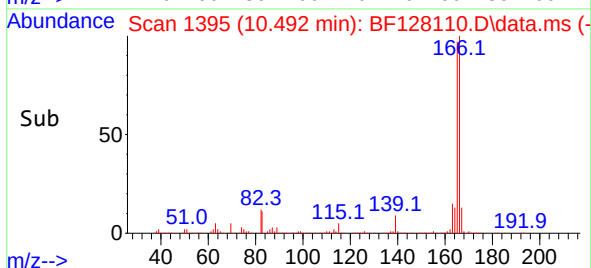
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

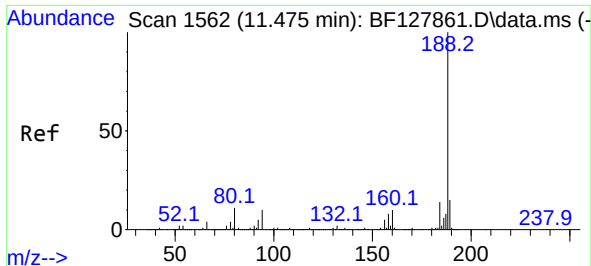


#58
Fluorene
Concen: 12.448 ng m
RT: 10.492 min Scan# 1395
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46



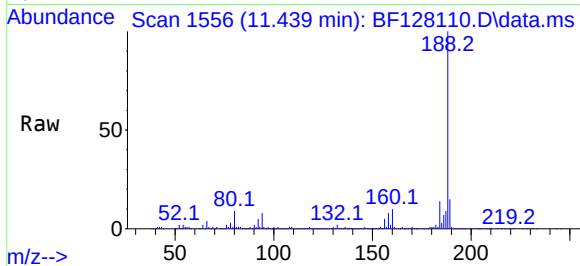
Tgt Ion:166 Resp: 125025
Ion Ratio Lower Upper
166 100
165 96.9 78.6 117.8
167 13.0 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

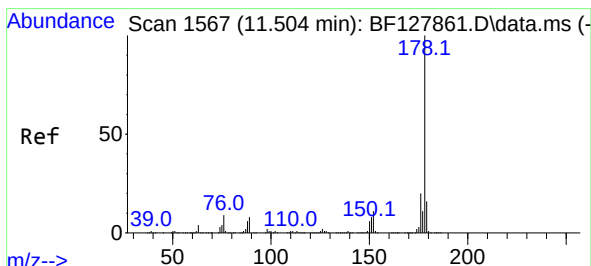
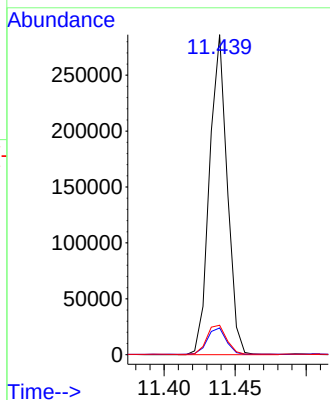
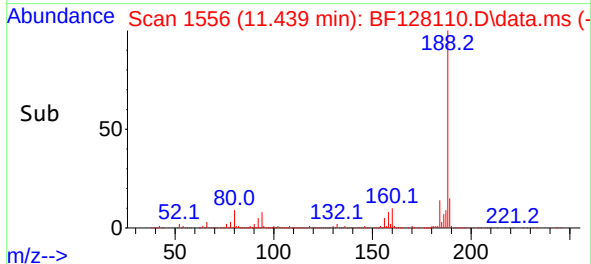
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1



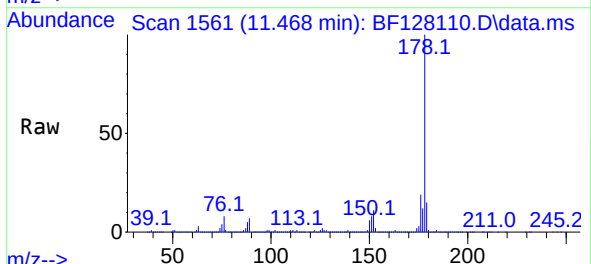
Tgt Ion:188 Resp: 248210
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 9.2 8.9 13.3

Manual Integrations
APPROVED

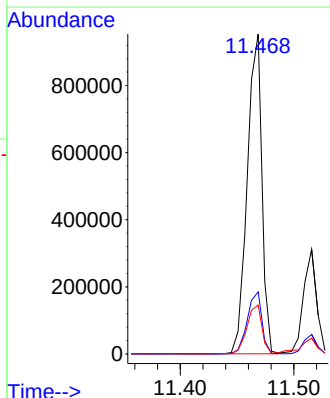
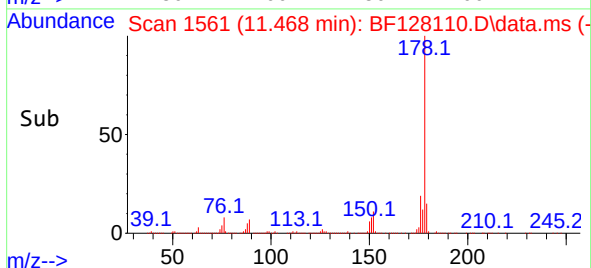
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

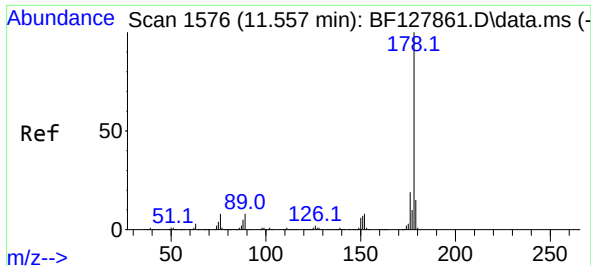


#71
Phenanthrene
Concen: 65.783 ng
RT: 11.468 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46



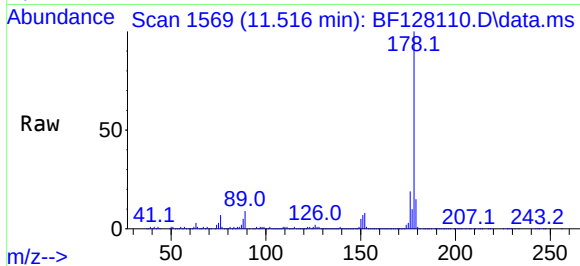
Tgt Ion:178 Resp: 854701
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.2 12.6 19.0





#72
 Anthracene
 Concen: 18.894 ng
 RT: 11.516 min Scan# 1569
 Delta R.T. -0.006 min
 Lab File: BF128110.D
 Acq: 05 May 2022 22:46

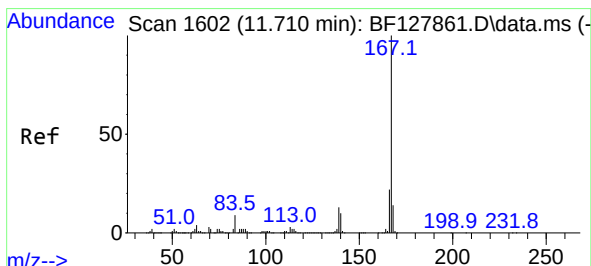
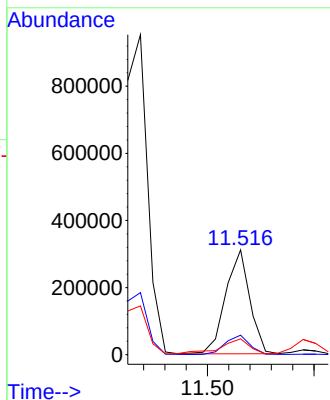
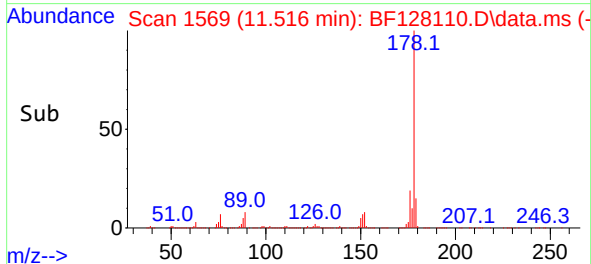
Instrument :
 BNA_F
 ClientSampleId :
 DEEP-WC-1



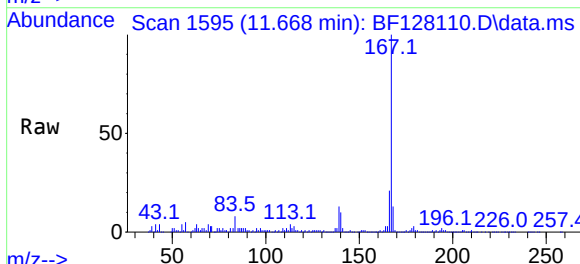
Tgt Ion:178 Resp: 24453
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.6
 179 15.1 12.4 18.6

Manual Integrations
 APPROVED

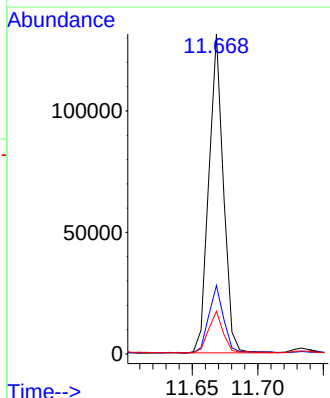
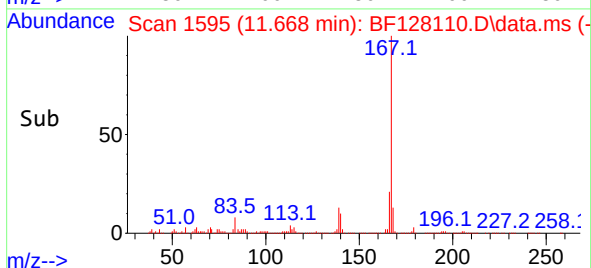
Reviewed By :Christian Giraldo 05/06/2022
 Supervised By :mohammad ahmed 05/09/2022

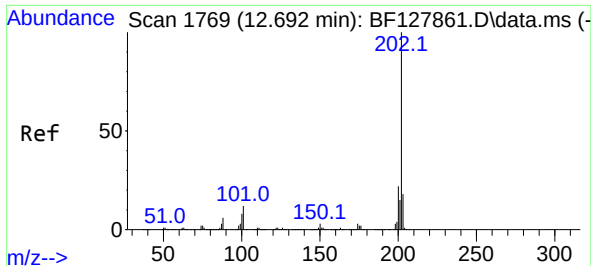


#73
 Carbazole
 Concen: 8.138 ng
 RT: 11.668 min Scan# 1595
 Delta R.T. -0.012 min
 Lab File: BF128110.D
 Acq: 05 May 2022 22:46



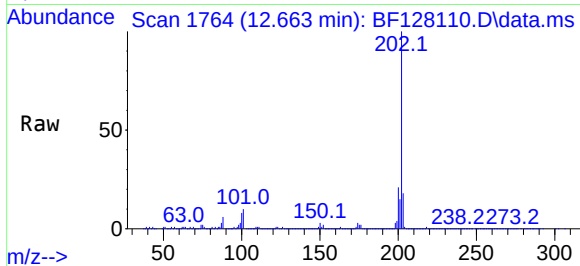
Tgt Ion:167 Resp: 101508
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.6 26.4
 139 13.4 10.7 16.1





#75
Fluoranthene
Concen: 84.266 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

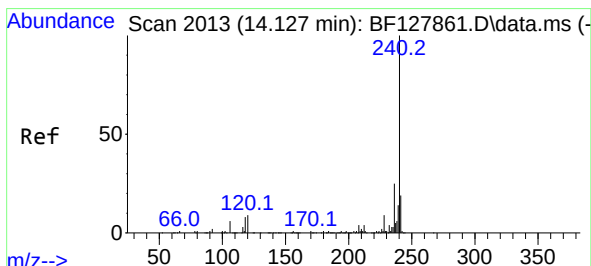
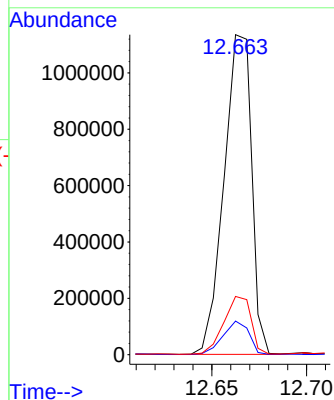
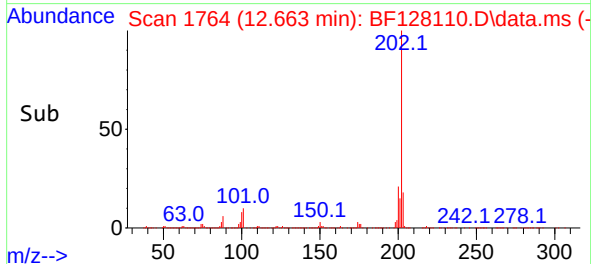
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1



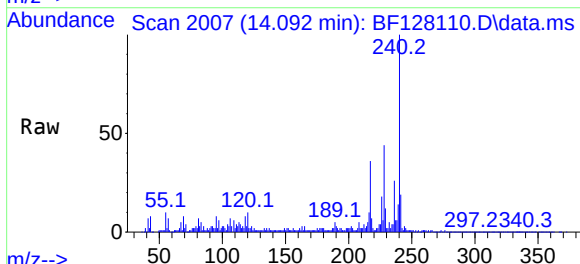
Tgt Ion:202 Resp: 115227
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.6
203 18.2 0.0 38.1

Manual Integrations
APPROVED

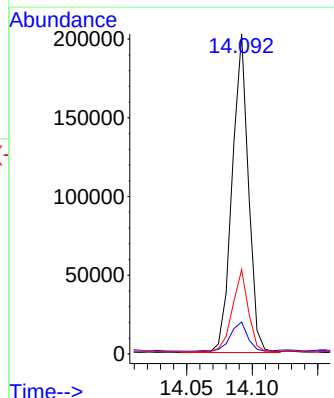
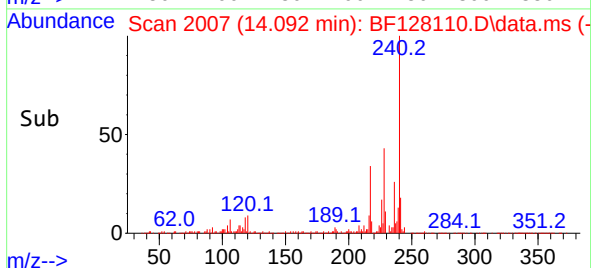
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

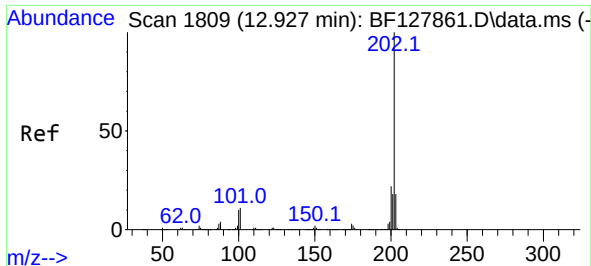


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46



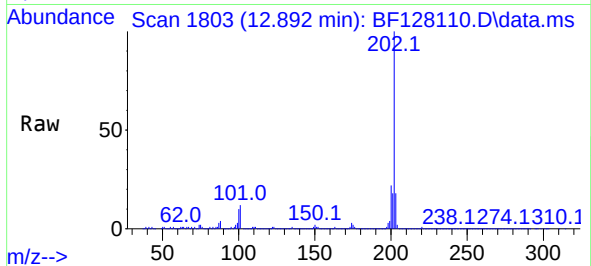
Tgt Ion:240 Resp: 174583
Ion Ratio Lower Upper
240 100
120 10.0 7.0 10.6
236 26.4 20.3 30.5





#78
Pyrene
Concen: 67.355 ng
RT: 12.892 min Scan# 1803
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

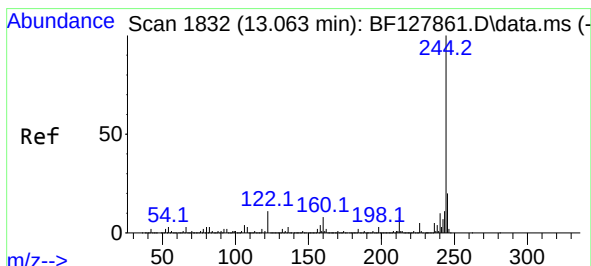
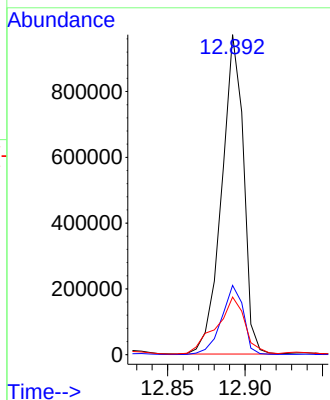
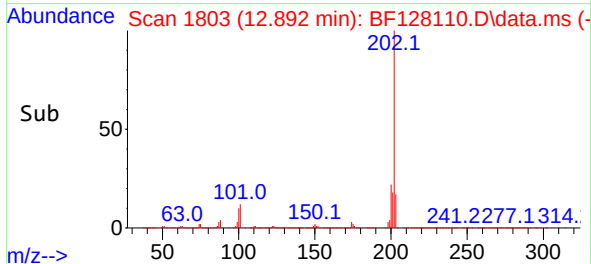
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1



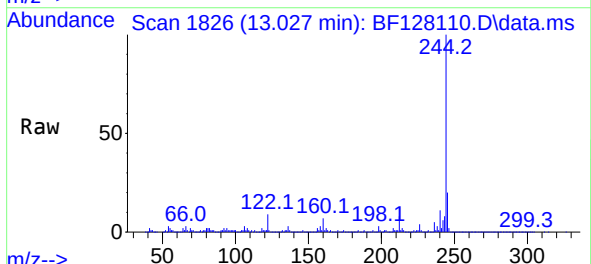
Tgt Ion: 202 Resp: 94925
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.0 14.0 21.0

Manual Integrations
APPROVED

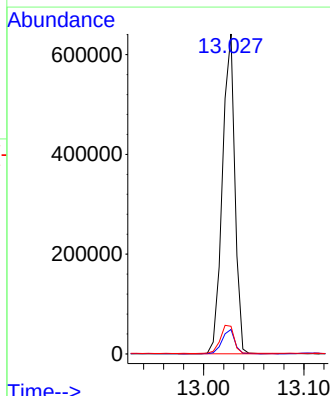
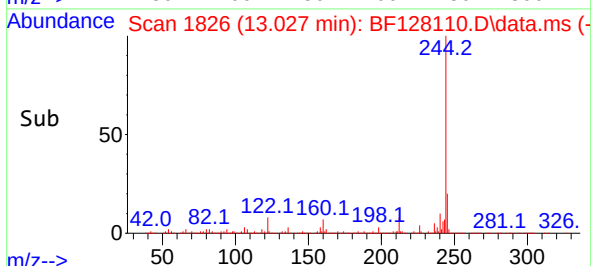
Reviewed By : Christian Giraldo 05/06/2022
Supervised By : mohammad ahmed 05/09/2022

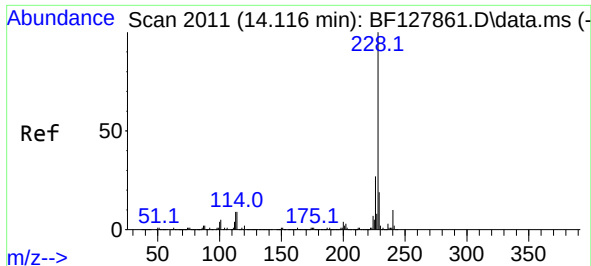


#79
Terphenyl-d14
Concen: 57.801 ng
RT: 13.027 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46



Tgt Ion: 244 Resp: 551854
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 8.6 8.6 12.8





#81
Benzo(a)anthracene
Concen: 43.592 ng
RT: 14.080 min Scan# 2011
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

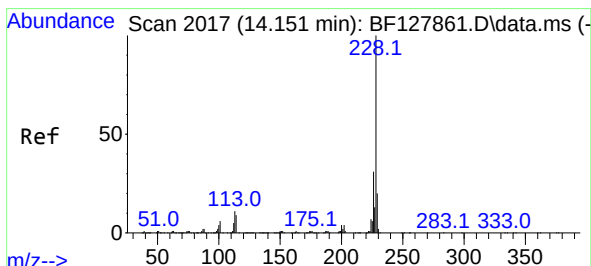
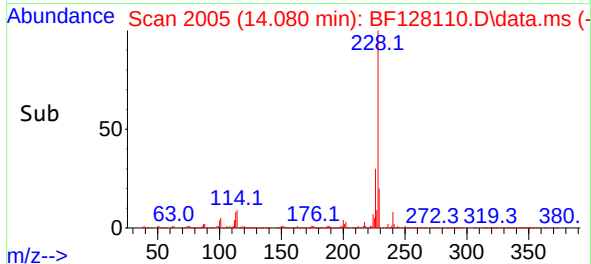
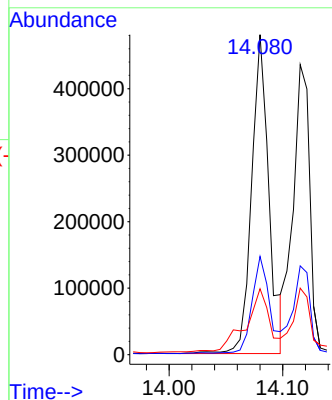
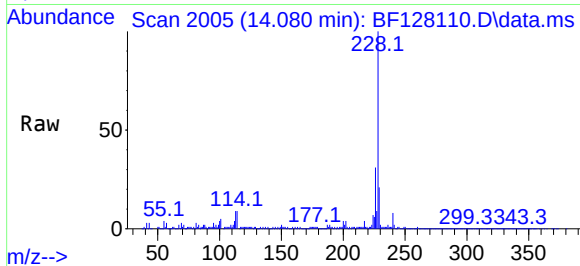
DEEP-WC-1

Tgt Ion:228 Resp: 507250
Ion Ratio Lower Upper
228 100
226 30.7 21.7 32.5
229 20.6 15.4 23.2

Manual Integrations

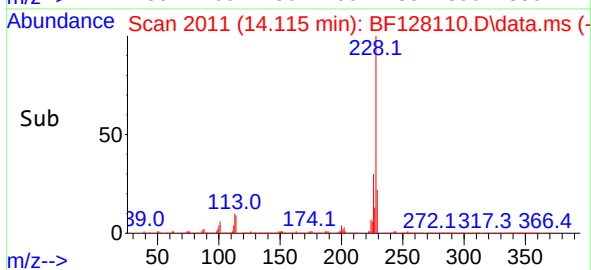
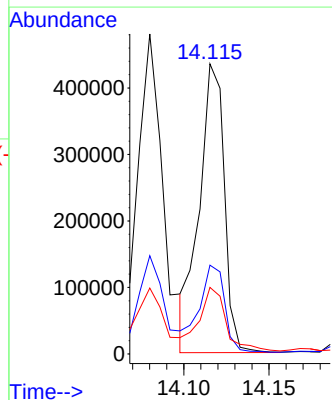
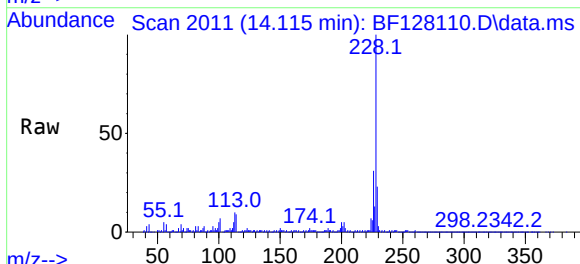
APPROVED

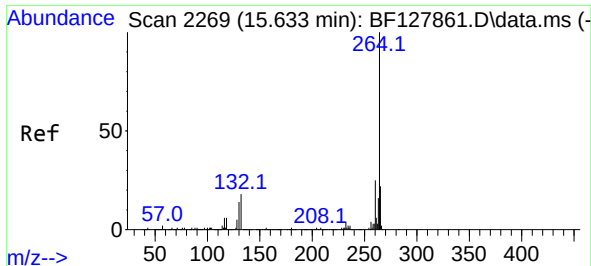
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#83
Chrysene
Concen: 39.936 ng
RT: 14.115 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

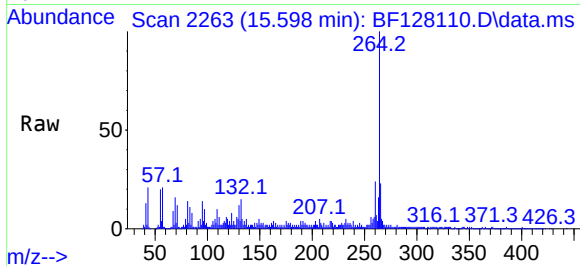
Tgt Ion:228 Resp: 443824
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.9 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

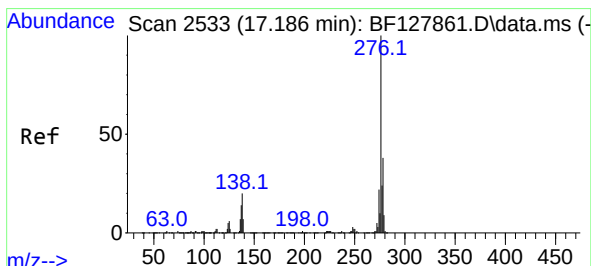
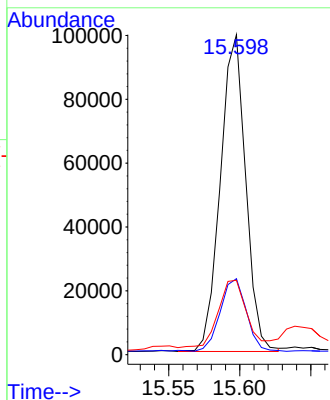
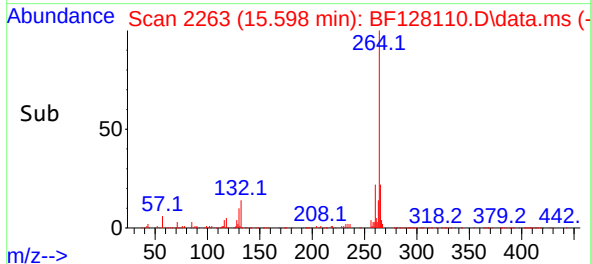
Instrument :
BNA_F
ClientSampleId :
DEEP-WC-1



Tgt Ion:264 Resp: 122734
Ion Ratio Lower Upper
264 100
260 23.7 20.1 30.1
265 23.3 17.5 26.3

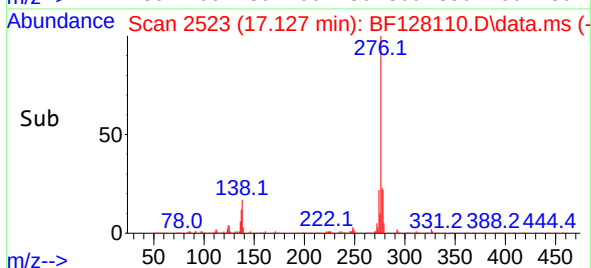
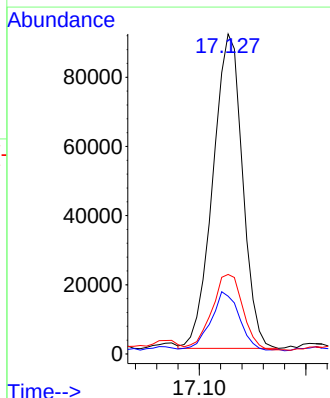
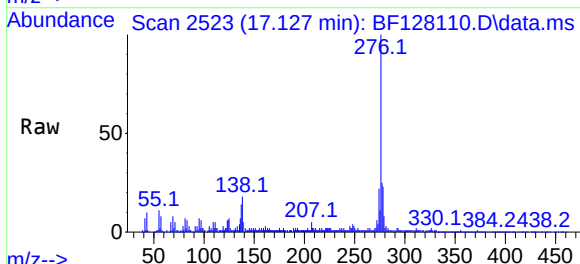
Manual Integrations
APPROVED

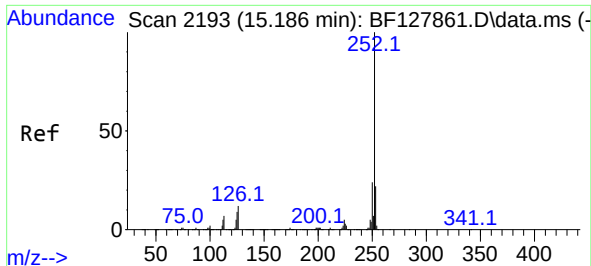
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 21.449 ng
RT: 17.127 min Scan# 2523
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:276 Resp: 175712
Ion Ratio Lower Upper
276 100
138 18.5 19.0 28.4#
277 25.0 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 56.498 ng m
RT: 15.156 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

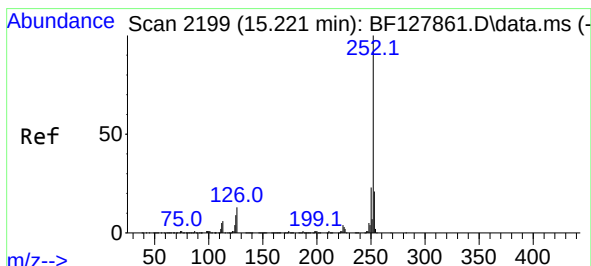
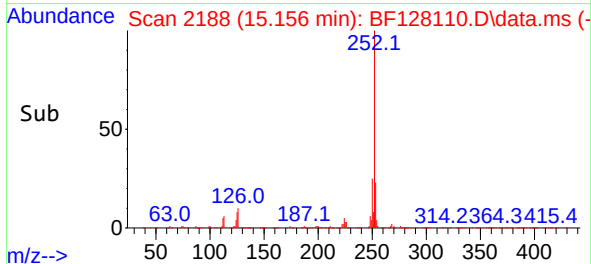
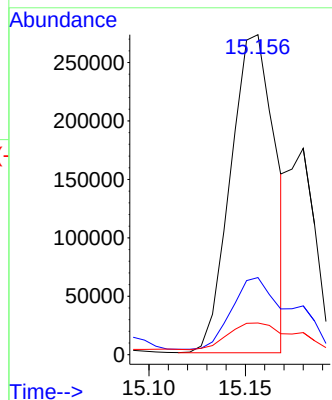
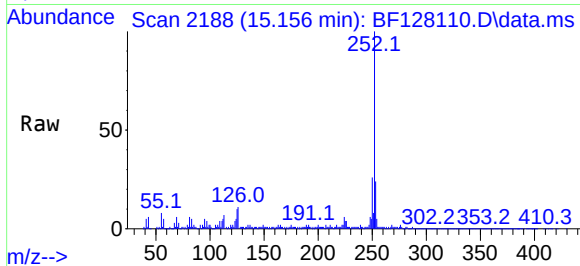
DEEP-WC-1

Tgt Ion:252 Resp: 435529
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 9.9 7.4 11.2

Manual Integrations

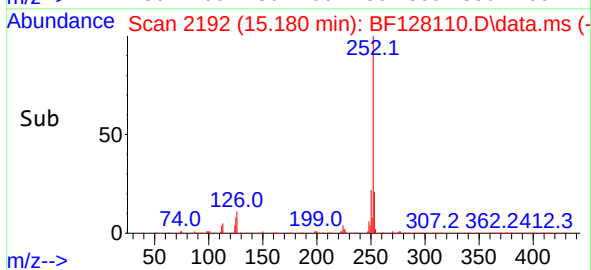
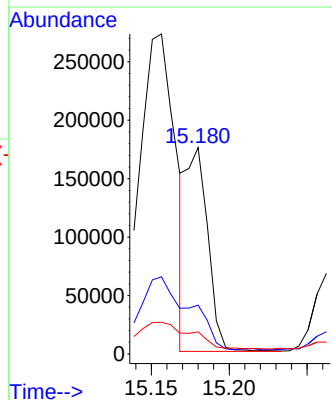
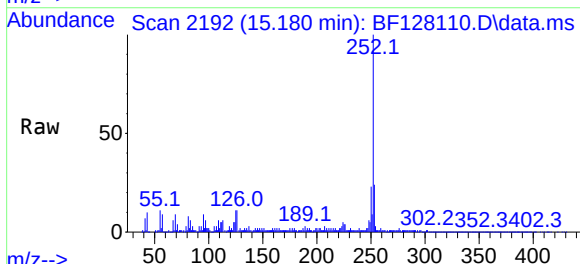
APPROVED

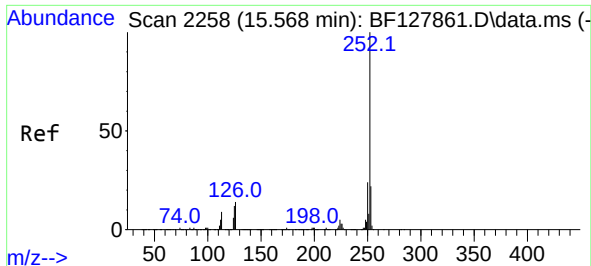
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#89
Benzo(k)fluoranthene
Concen: 21.549 ng m
RT: 15.180 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:252 Resp: 167358
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.4
125 10.7 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 45.272 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Instrument :

BNF_F

ClientSampleId :

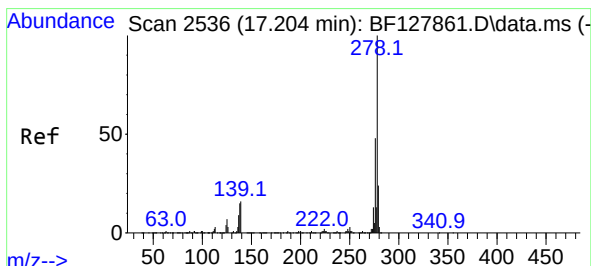
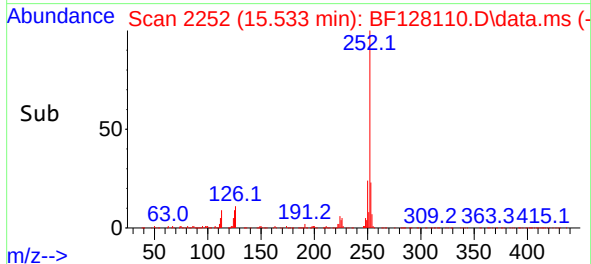
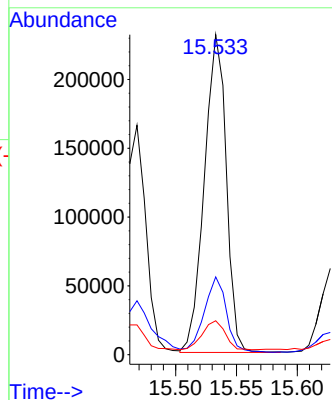
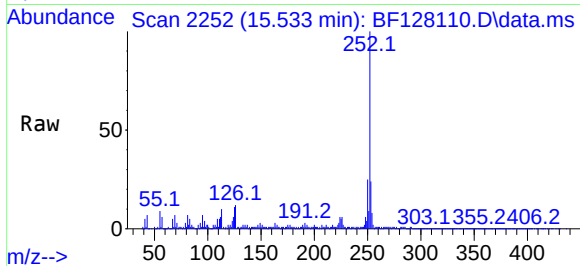
DEEP-WC-1

Tgt Ion:252 Resp: 28948
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 10.6 9.2 13.8

Manual Integrations

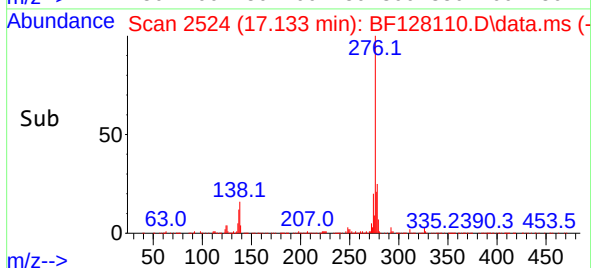
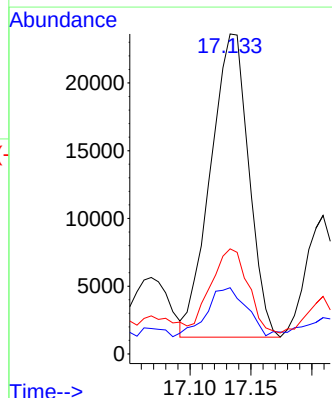
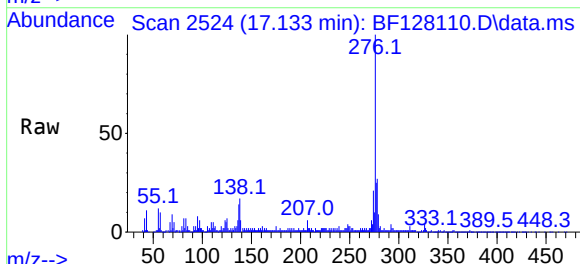
APPROVED

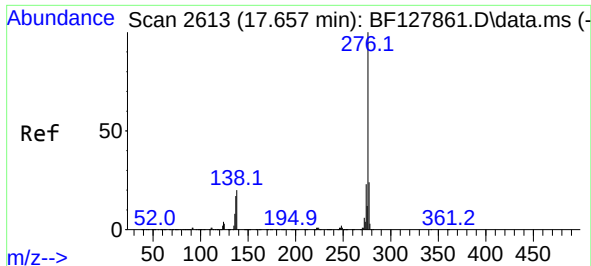
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#91
Dibenzo(a,h)anthracene
Concen: 7.449 ng
RT: 17.133 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF128110.D
Acq: 05 May 2022 22:46

Tgt Ion:278 Resp: 48939
Ion Ratio Lower Upper
278 100
139 20.7 12.6 19.0#
279 32.9 18.9 28.3#





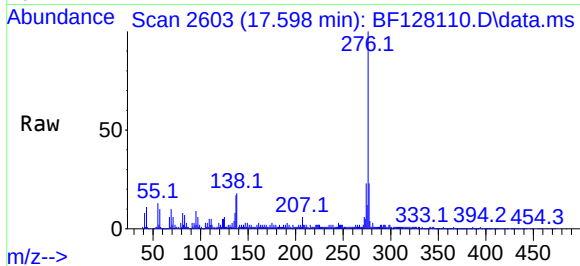
#92
 Benzo(g,h,i)perylene
 Concen: 23.528 ng
 RT: 17.598 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF128110.D
 Acq: 05 May 2022 22:46

Instrument :

BNA_F

ClientSampleId :

DEEP-WC-1



Tgt Ion:276 Resp: 162908
 Ion Ratio Lower Upper
 276 100
 277 23.4 18.8 28.2
 138 17.5 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/06/2022
 Supervised By :mohammad ahmed 05/09/2022

