

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126028.D
 Acq On : 3 Nov 2021 19:52
 Operator : JU/CG
 Sample : M4411-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-HHS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2021
 Supervised By : mohammad ahmed 11/08/2021

Quant Time: Nov 04 10:11:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	156995	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	583728	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	341743	20.00	ng	0.00
64) Phenanthrene-d10	11.369	188	543689	20.00	ng	0.00
76) Chrysene-d12	14.004	240	334716	20.00	ng	# 0.00
86) Perylene-d12	15.468	264	348071	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	172670	18.89	ng	-0.01
7) Phenol-d6	6.463	99	234372	18.19	ng	-0.02
23) Nitrobenzene-d5	7.404	82	164998	13.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	59384	15.16	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	319162	12.62	ng	-0.01
79) Terphenyl-d14	12.951	244	244776	11.79	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.845	142	46061	2.21	ng	97
38) 1-Methylnaphthalene	8.939	142	72156	3.57	ng	98
52) Acenaphthene	9.916	154	58574	2.95	ng	94
58) Fluorene	10.428	166	154711	6.46	ng	96
71) Phenanthrene	11.392	178	1054983	35.78	ng	98
72) Anthracene	11.445	178	244189	8.30	ng	98
75) Fluoranthene	12.580	202	636392	19.38	ng	93
78) Pyrene	12.810	202	885328	32.98	ng	97
81) Benzo(a)anthracene	13.992	228	299382	13.02	ng	94
83) Chrysene	14.027	228	291834	13.64	ng	95
87) Indeno(1,2,3-cd)pyrene	16.909	276	81309	3.95	ng	# 83
88) Benzo(b)fluoranthene	15.039	252	207610m	9.17	ng	
89) Benzo(k)fluoranthene	15.062	252	68262m	3.11	ng	
90) Benzo(a)pyrene	15.404	252	204375m	11.46	ng	
92) Benzo(g,h,i)perylene	17.351	276	78804	4.86	ng	# 84

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

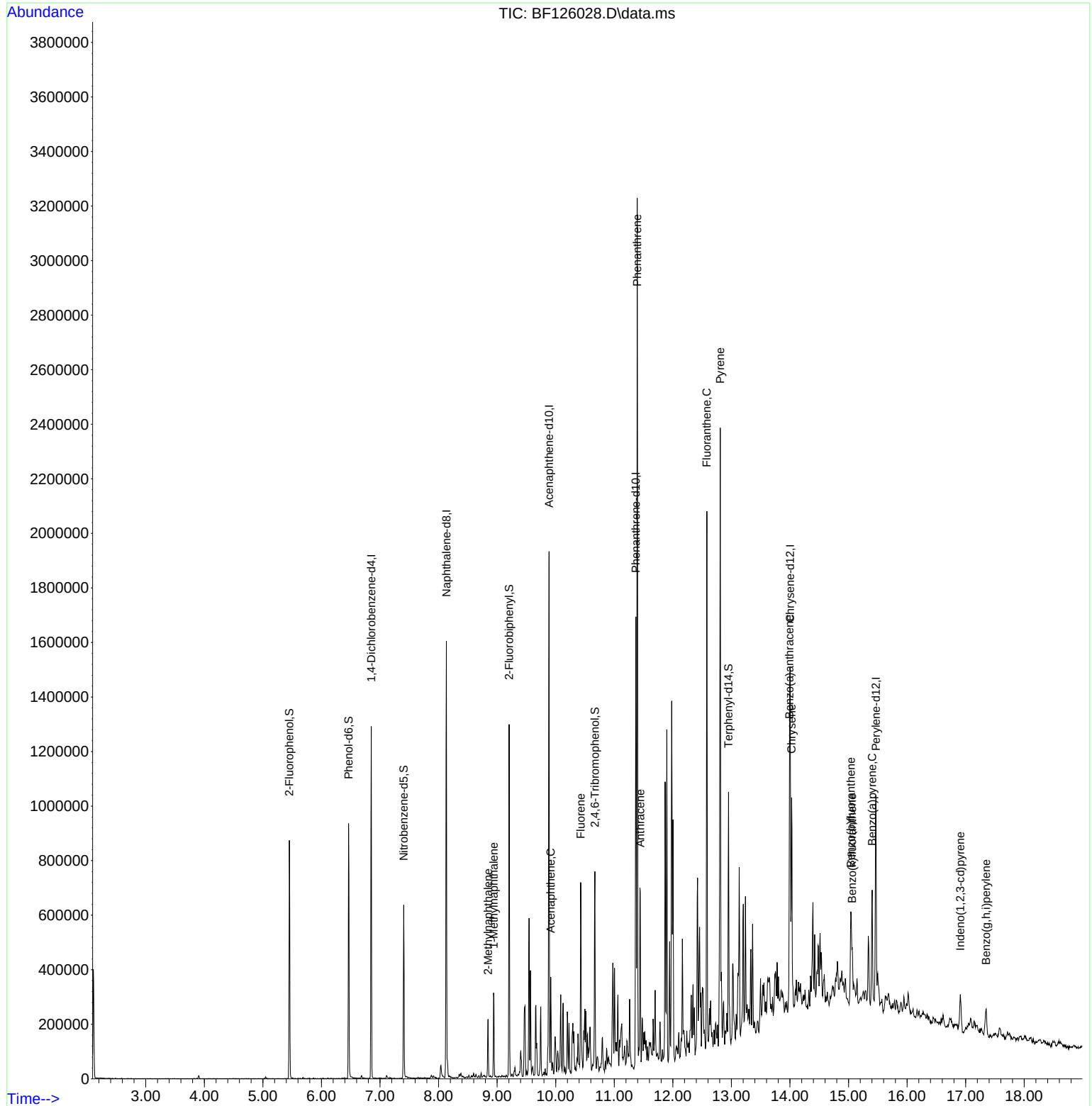
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126028.D
Acq On : 3 Nov 2021 19:52
Operator : JU/CG
Sample : M4411-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

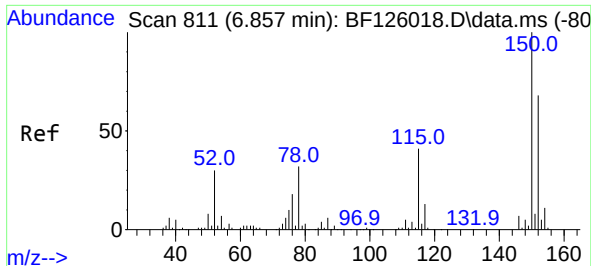
Instrument :
BNA_F
ClientSampleId :
MH-HHS

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

Quant Time: Nov 04 10:11:03 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
Response via : Initial Calibration





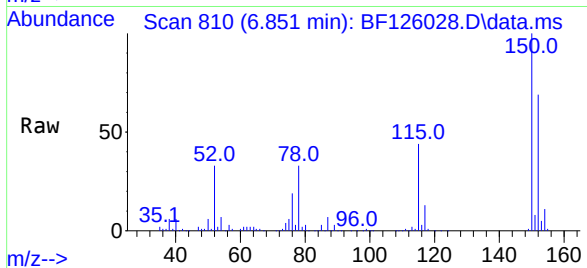
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

MH-HHS

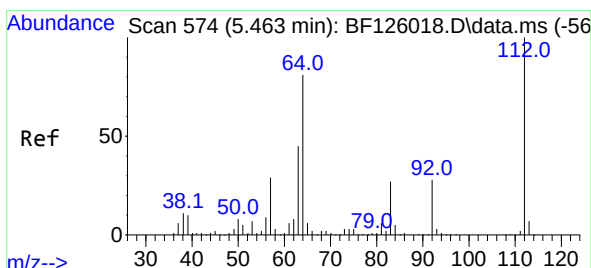
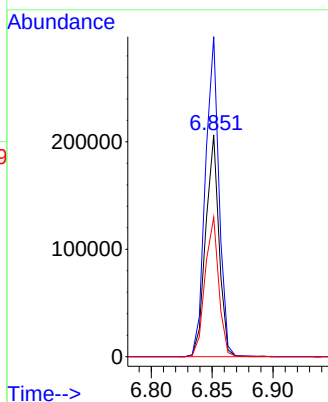
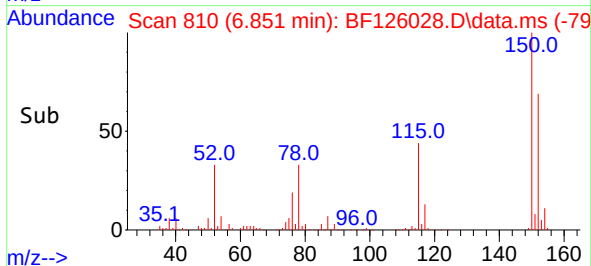


Tgt Ion:152 Resp: 156998
Ion Ratio Lower Upper
152 100
150 144.3 117.6 176.4
115 62.9 47.1 70.7

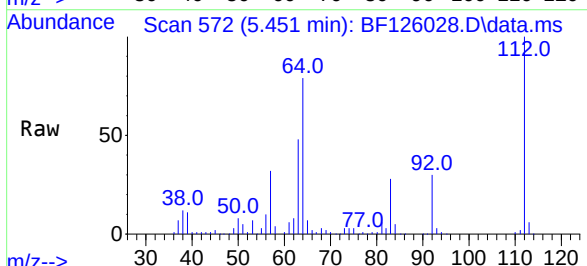
Manual Integrations

APPROVED

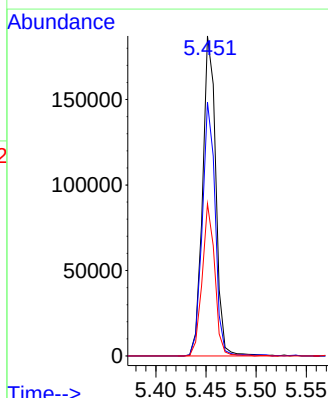
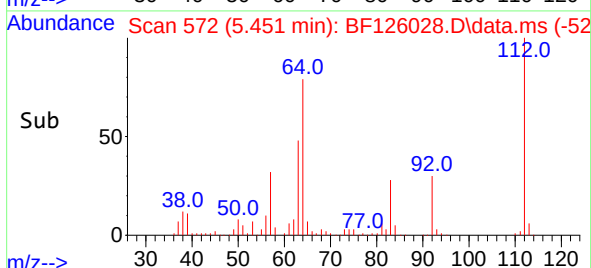
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



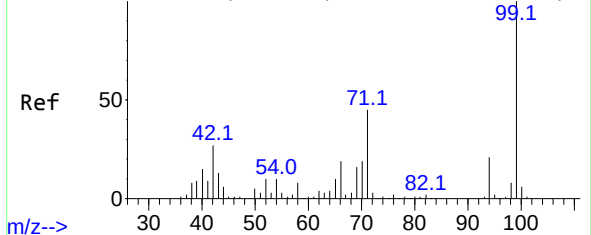
#5
2-Fluorophenol
Concen: 18.89 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52



Tgt Ion:112 Resp: 172670
Ion Ratio Lower Upper
112 100
64 79.3 44.2 66.2#
63 47.6 26.2 39.2#



Abundance Scan 748 (6.487 min): BF126018.D\data.ms (-74



#7

Phenol-d6

Concen: 18.19 ng

RT: 6.463 min Scan# 74

Delta R.T. -0.024 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

MH-HHS

Tgt Ion: 99 Resp: 234372

Ion Ratio Lower Upper

99 100

42 29.7 23.5 35.3

71 46.7 25.6 38.4

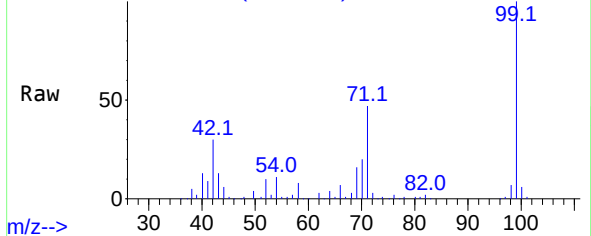
Manual Integrations

APPROVED

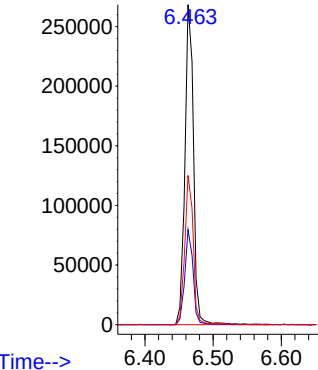
Reviewed By :Christian Giraldo 11/04/2021

Supervised By :mohammad ahmed 11/08/2021

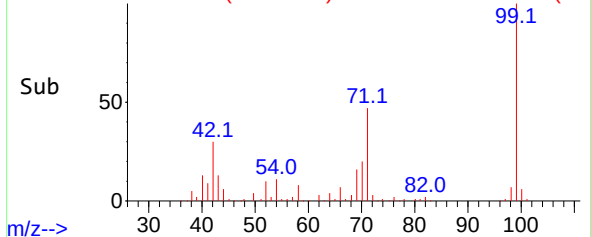
Abundance Scan 744 (6.463 min): BF126028.D\data.ms



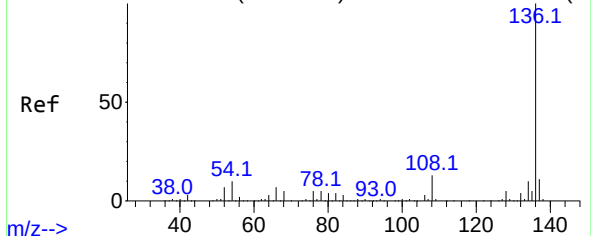
Abundance



Abundance Scan 744 (6.463 min): BF126028.D\data.ms (-69



Abundance Scan 1029 (8.139 min): BF126018.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.134 min Scan# 1028

Delta R.T. -0.005 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Tgt Ion:136 Resp: 583728

Ion Ratio Lower Upper

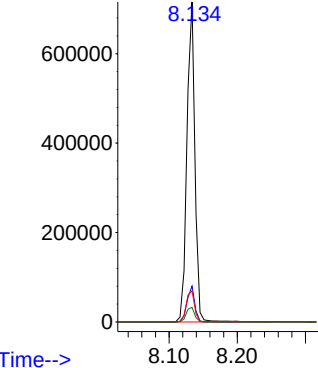
136 100

137 11.2 9.8 14.6

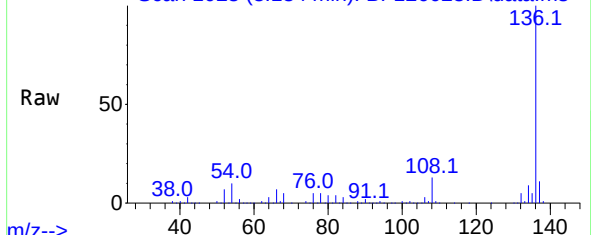
54 9.7 6.4 9.6

68 4.6 3.3 4.9

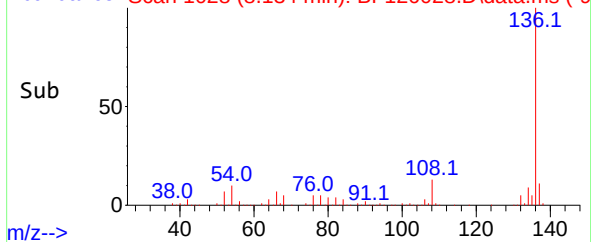
Abundance

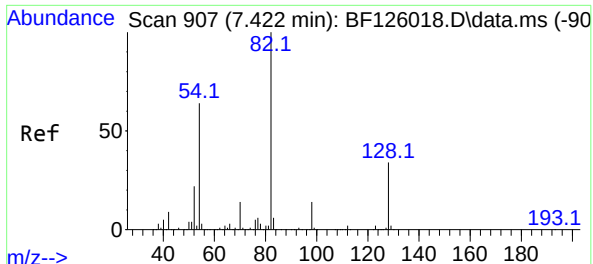


Abundance Scan 1028 (8.134 min): BF126028.D\data.ms



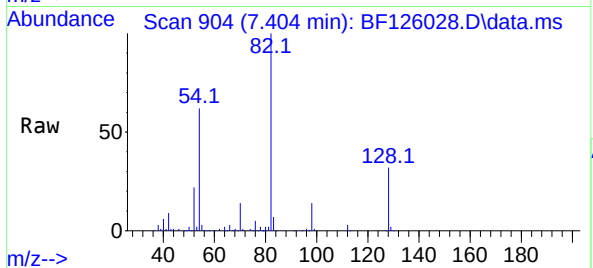
Abundance Scan 1028 (8.134 min): BF126028.D\data.ms (-9





#23
Nitrobenzene-d5
Concen: 13.33 ng
RT: 7.404 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

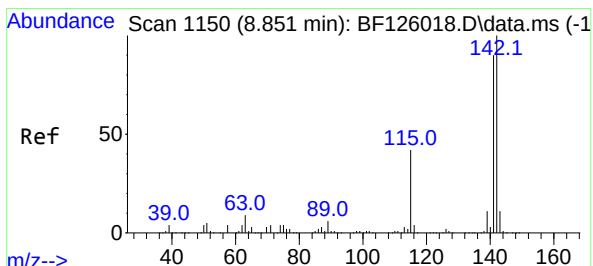
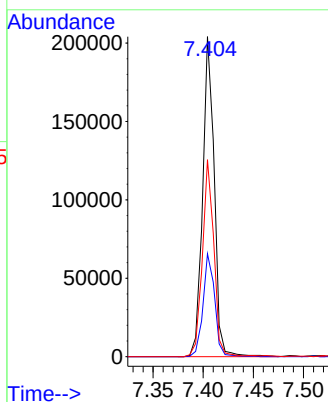
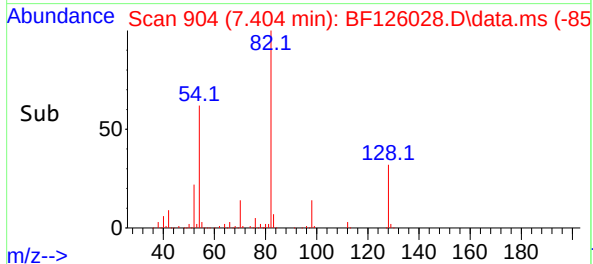
Instrument :
BNA_F
ClientSampleId :
MH-HHS



Tgt Ion: 82 Resp: 164998
Ion Ratio Lower Upper
82 100
128 32.2 40.6 60.8
54 61.6 49.6 74.4

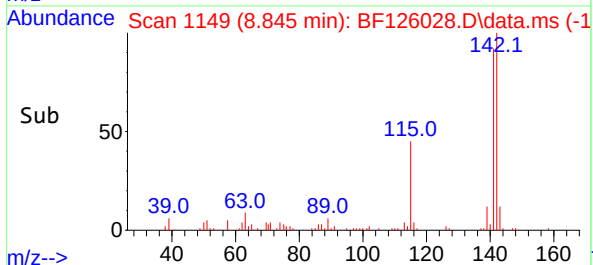
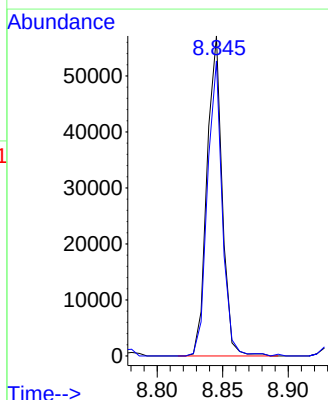
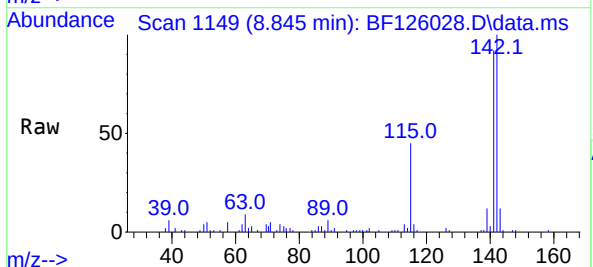
Manual Integrations
APPROVED

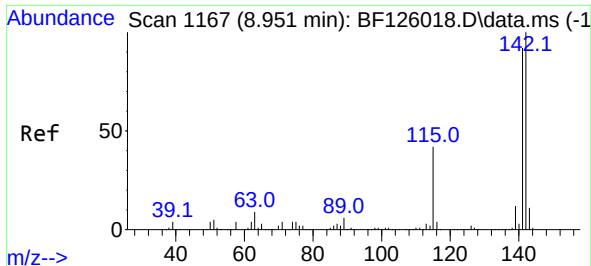
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#37
2-Methylnaphthalene
Concen: 2.21 ng
RT: 8.845 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:142 Resp: 46061
Ion Ratio Lower Upper
142 100
141 92.2 71.2 106.8





#38

1-Methylnaphthalene

Concen: 3.57 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

MH-HHS

Tgt Ion:142 Resp: 72150

Ion Ratio Lower Upper

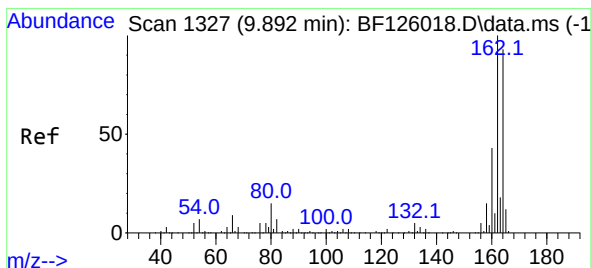
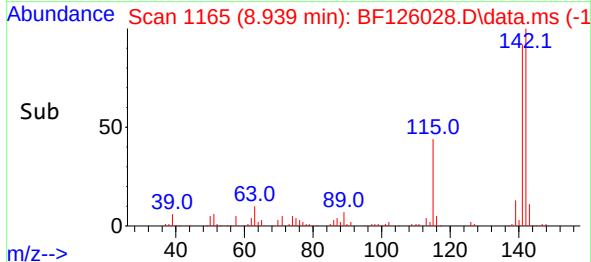
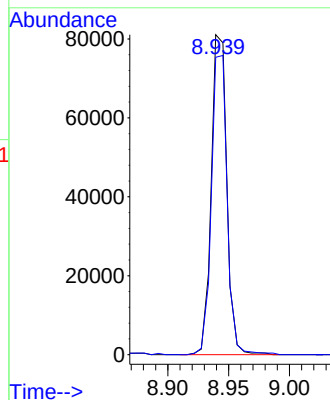
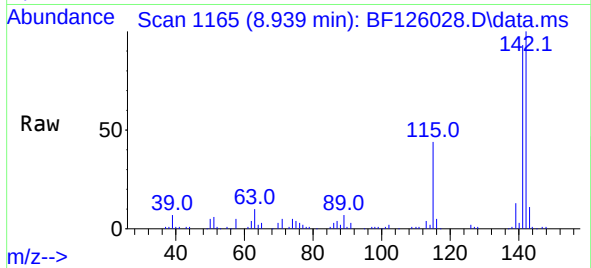
142 100

141 93.0 76.0 114.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

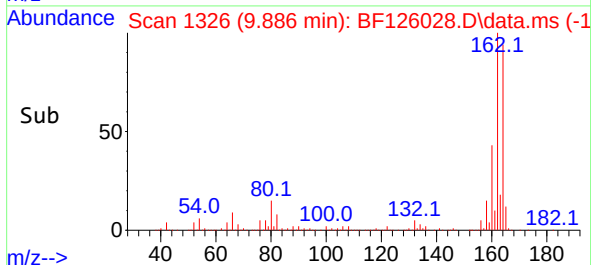
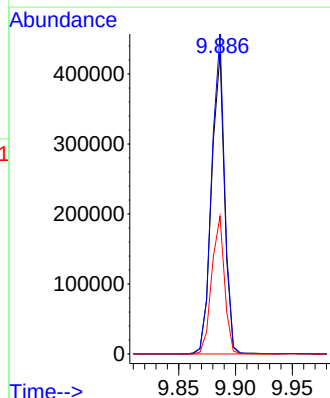
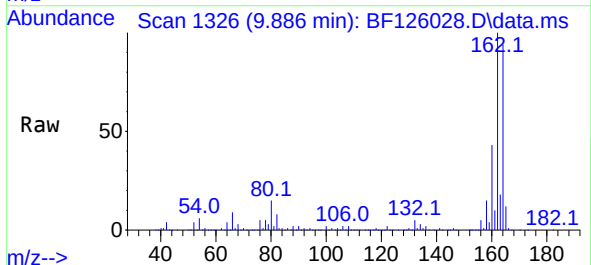
Tgt Ion:164 Resp: 341743

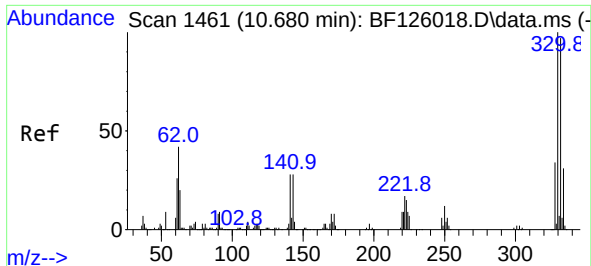
Ion Ratio Lower Upper

164 100

162 106.5 81.3 121.9

160 45.8 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 15.16 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

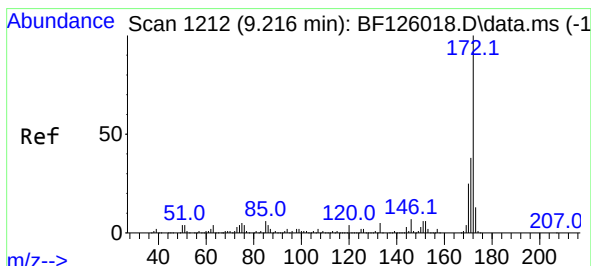
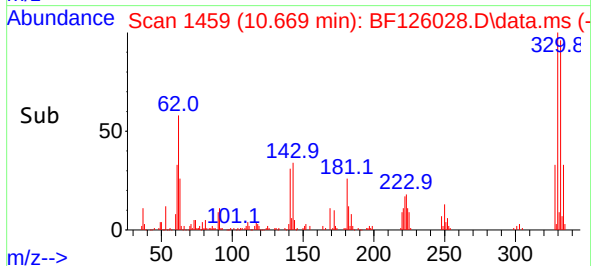
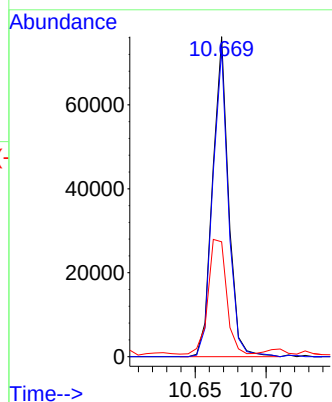
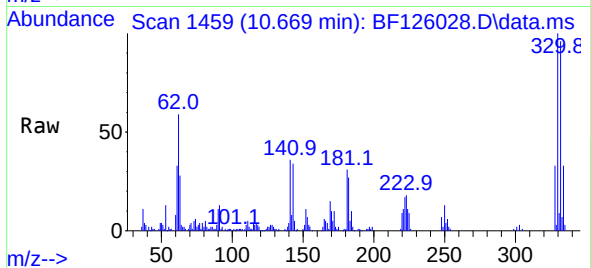
MH-HHS

Tgt Ion:330 Resp: 59384
Ion Ratio Lower Upper
330 100
332 94.9 76.2 114.4
141 41.5 44.6 66.8

Manual Integrations

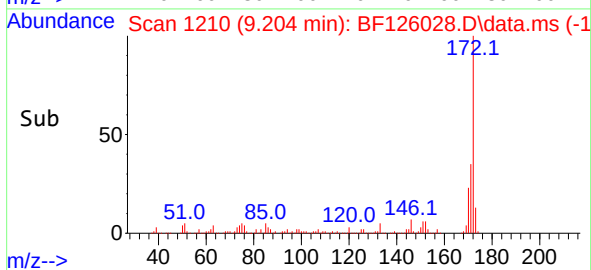
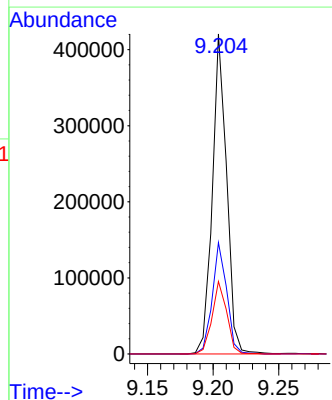
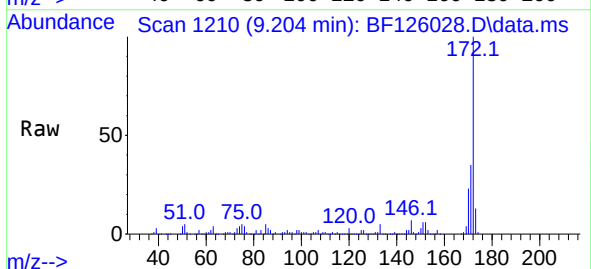
APPROVED

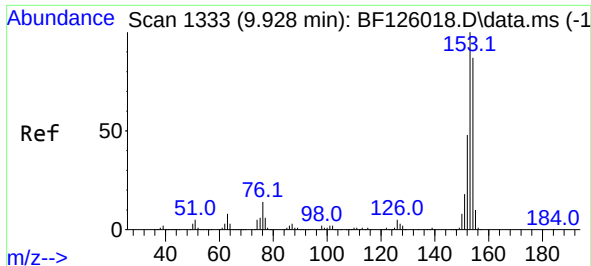
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#45
2-Fluorobiphenyl
Concen: 12.62 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

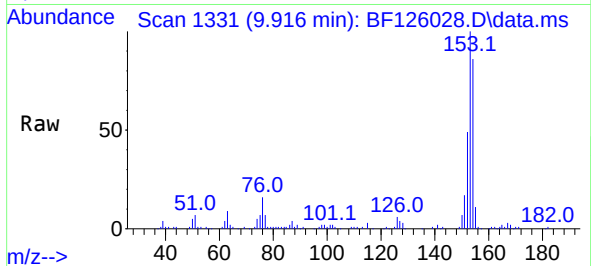
Tgt Ion:172 Resp: 319162
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 22.6 18.8 28.2





#52
Acenaphthene
Concen: 2.95 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

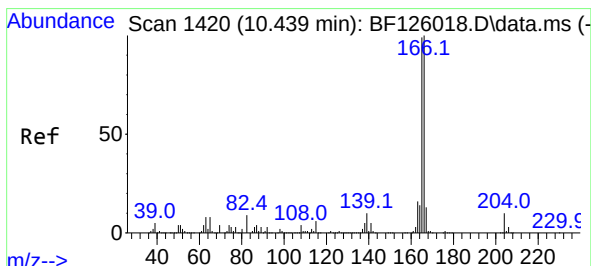
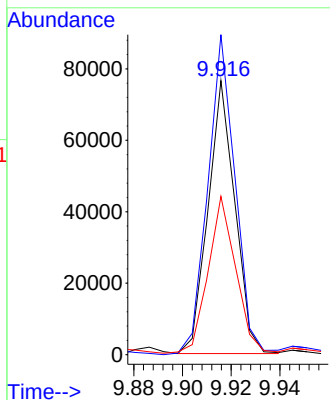
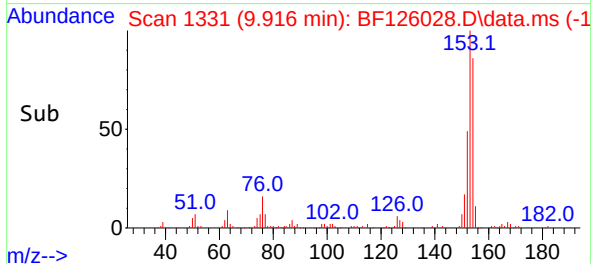
Instrument :
BNA_F
ClientSampleId :
MH-HHS



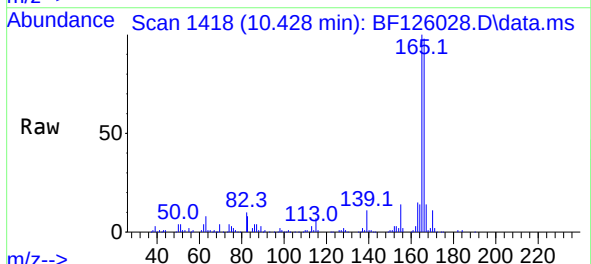
Tgt Ion:154 Resp: 58574
Ion Ratio Lower Upper
154 100
153 116.8 89.4 134.2
152 57.7 40.5 60.7

Manual Integrations
APPROVED

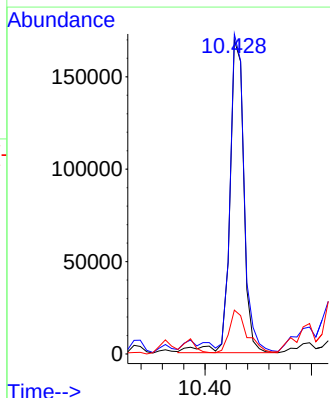
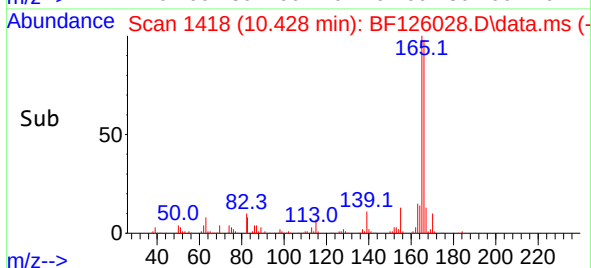
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

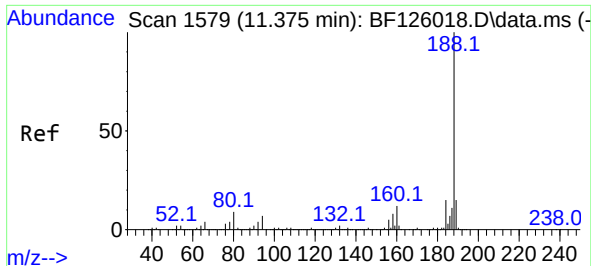


#58
Fluorene
Concen: 6.46 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.011 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52



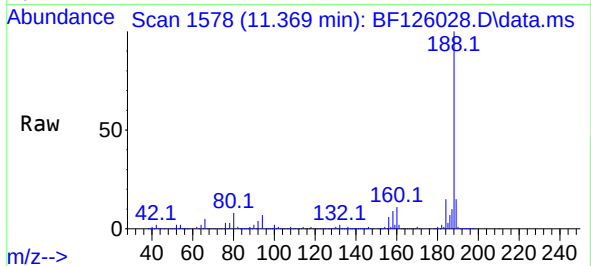
Tgt Ion:166 Resp: 154711
Ion Ratio Lower Upper
166 100
165 101.9 78.1 117.1
167 14.0 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

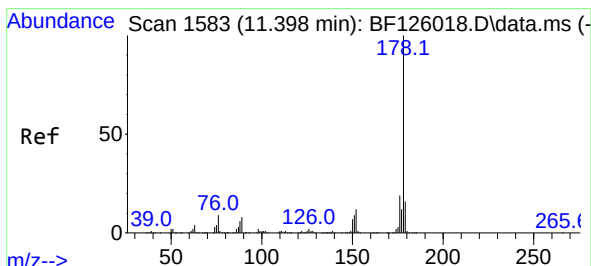
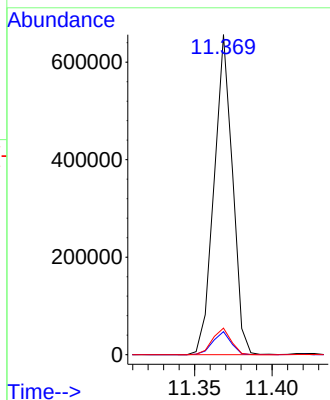
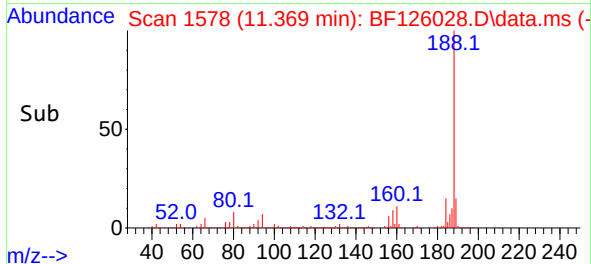
Instrument :
BNA_F
ClientSampleId :
MH-HHS



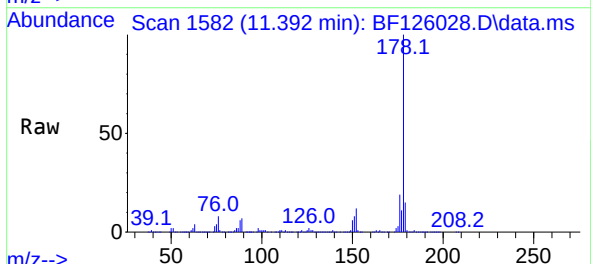
Tgt Ion:188 Resp: 543689
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 8.3 7.5 11.3

Manual Integrations
APPROVED

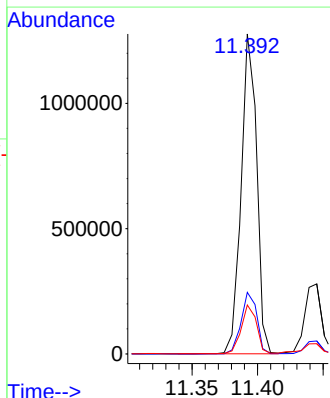
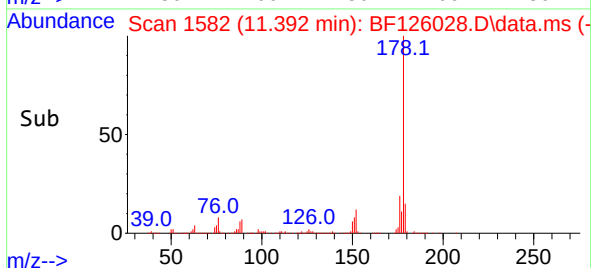
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

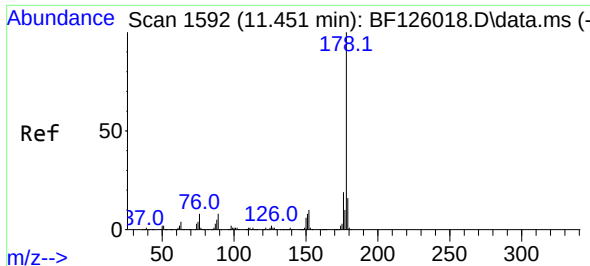


#71
Phenanthrene
Concen: 35.78 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52



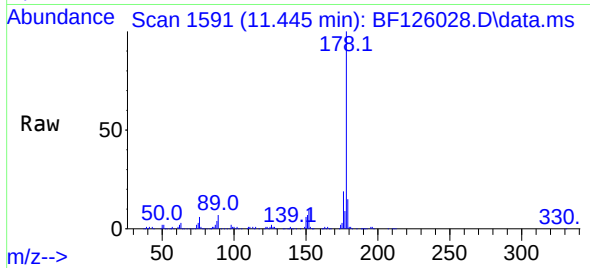
Tgt Ion:178 Resp: 1054983
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.3 11.5 17.3





#72
 Anthracene
 Concen: 8.30 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126028.D
 Acq: 3 Nov 2021 19:52

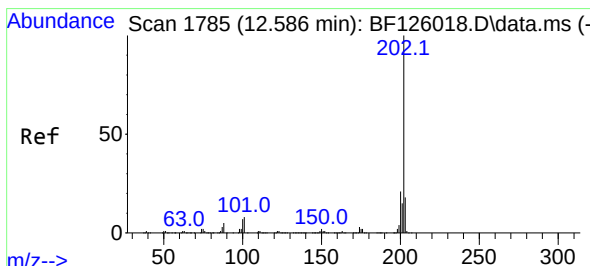
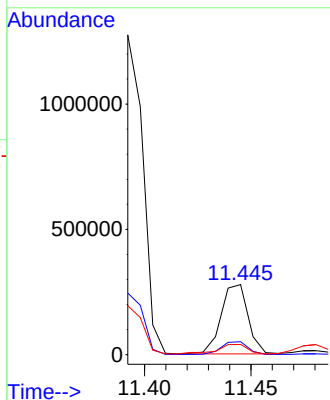
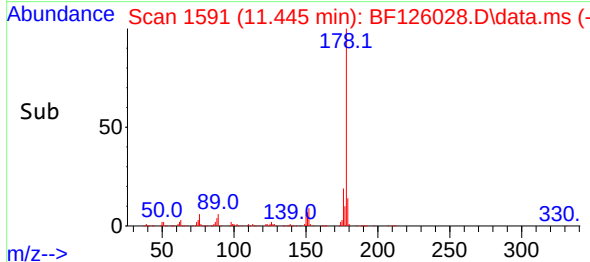
Instrument :
 BNA_F
 ClientSampleId :
 MH-HHS



Tgt Ion:178 Resp: 244189
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.3 21.5
 179 14.6 12.2 18.4

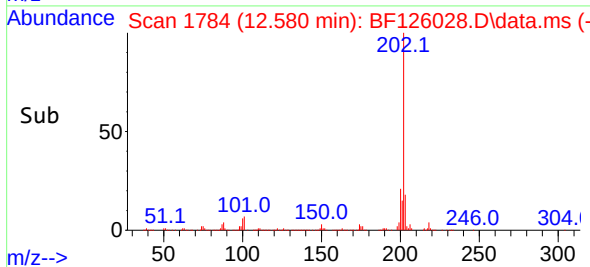
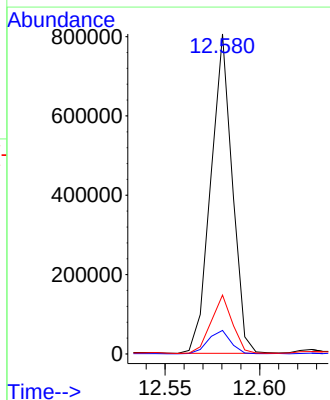
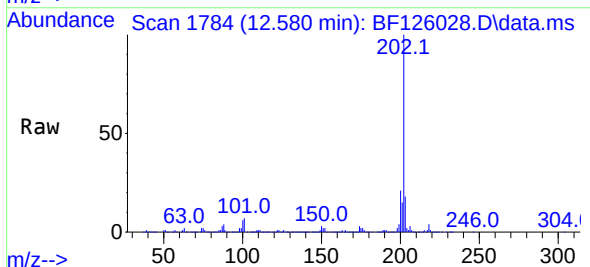
Manual Integrations
 APPROVED

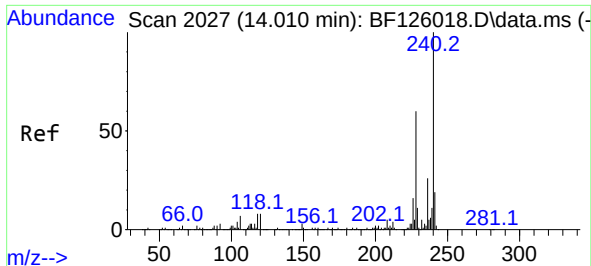
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021



#75
 Fluoranthene
 Concen: 19.38 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.006 min
 Lab File: BF126028.D
 Acq: 3 Nov 2021 19:52

Tgt Ion:202 Resp: 636392
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 30.7
 203 18.4 0.0 36.3





#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

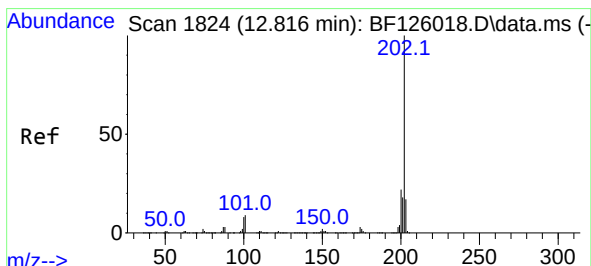
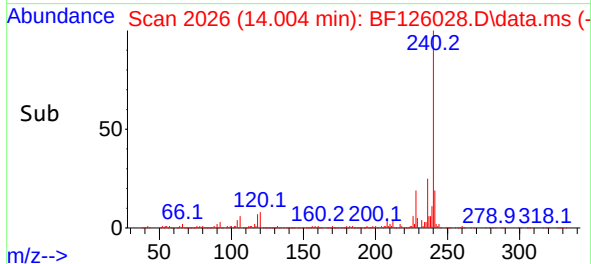
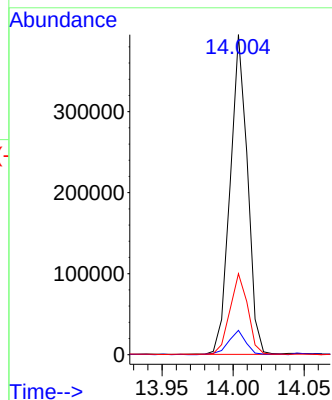
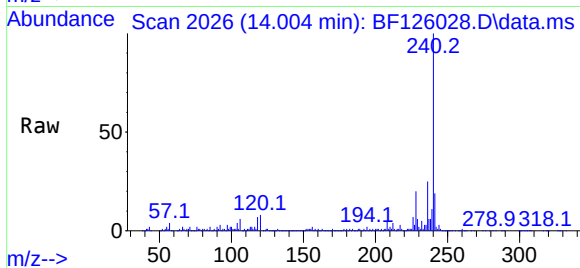
MH-HHS

Tgt Ion:240 Resp: 334710
Ion Ratio Lower Upper
240 100
120 7.6 10.8 16.2
236 25.3 21.6 32.4

Manual Integrations

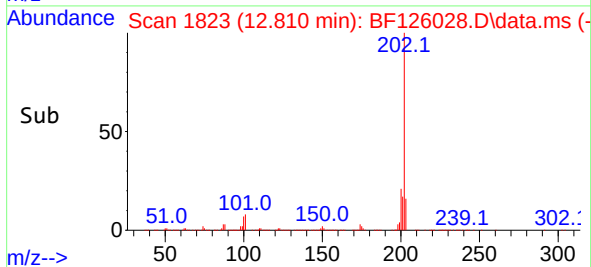
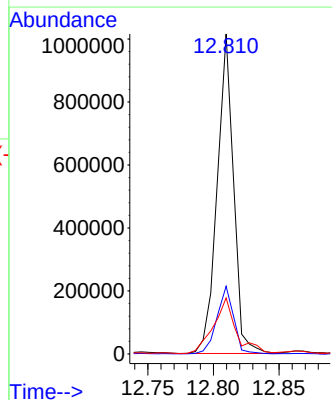
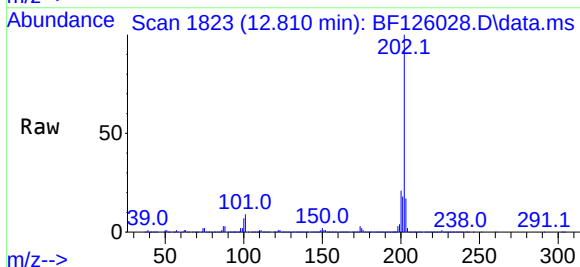
APPROVED

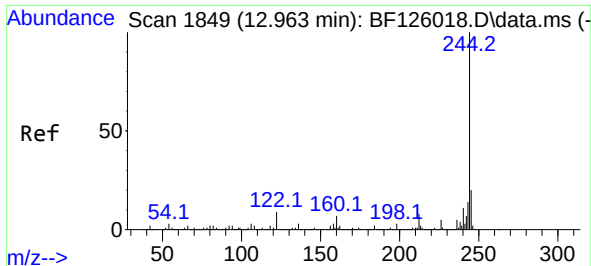
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#78
Pyrene
Concen: 32.98 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:202 Resp: 885328
Ion Ratio Lower Upper
202 100
200 21.1 15.3 22.9
203 17.5 13.4 20.0





#79
 Terphenyl-d14
 Concen: 11.79 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126028.D
 Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

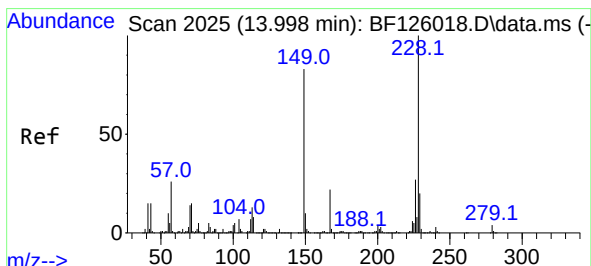
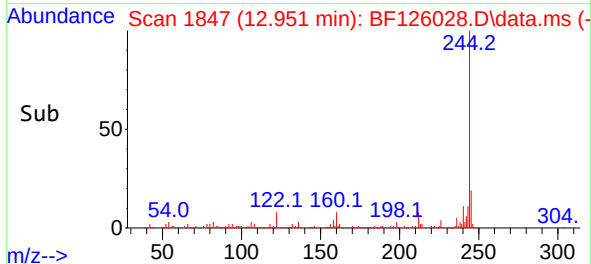
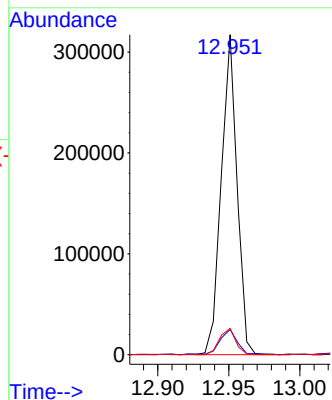
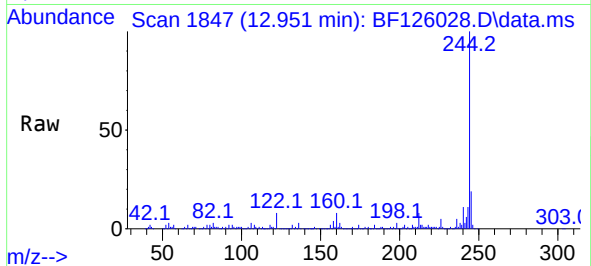
MH-HHS

Tgt Ion:244 Resp: 244770
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.9 8.9
 122 8.2 9.0 13.4

Manual Integrations

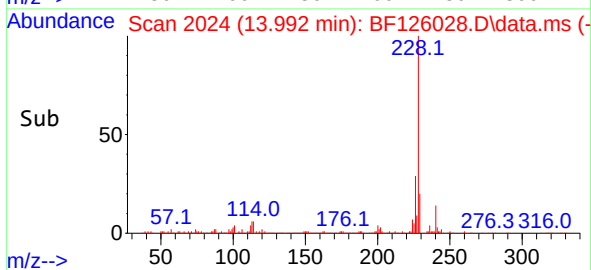
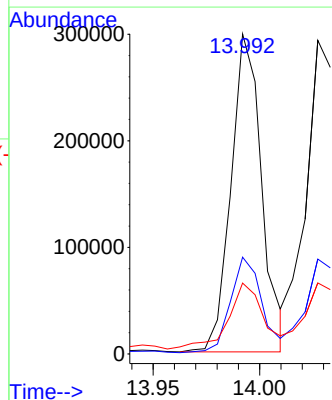
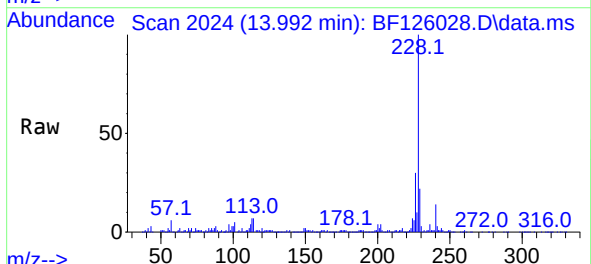
APPROVED

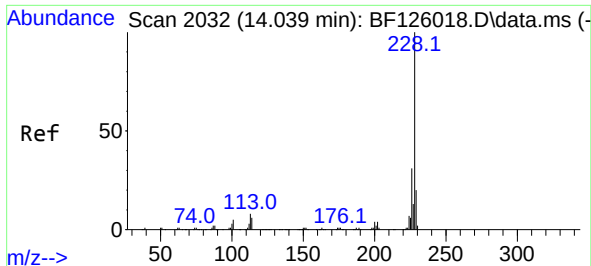
Reviewed By :Christian Giraldo 11/04/2021
 Supervised By :mohammad ahmed 11/08/2021



#81
 Benzo(a)anthracene
 Concen: 13.02 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF126028.D
 Acq: 3 Nov 2021 19:52

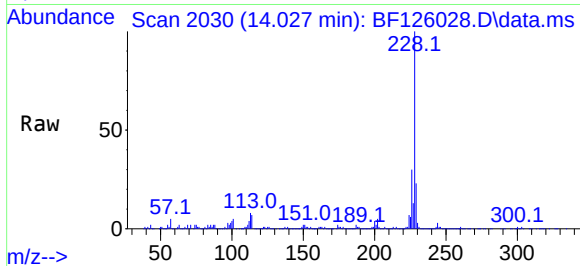
Tgt Ion:228 Resp: 299382
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.6 32.4
 229 22.1 15.6 23.4





#83
Chrysene
Concen: 13.64 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

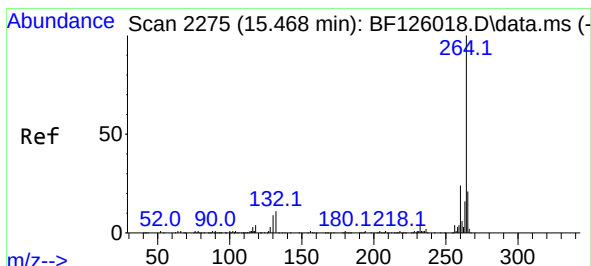
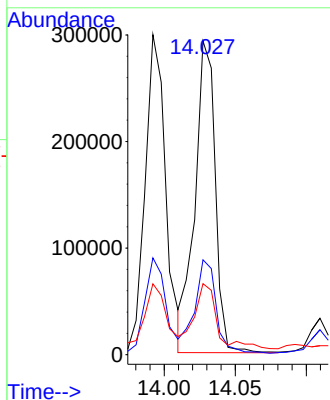
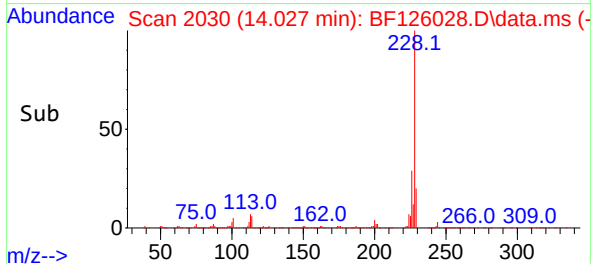
Instrument :
BNA_F
ClientSampleId :
MH-HHS



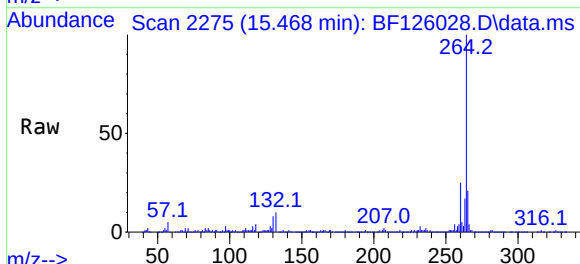
Tgt Ion:228 Resp: 291834
Ion Ratio Lower Upper
228 100
226 30.2 22.6 34.0
229 22.6 15.9 23.9

Manual Integrations
APPROVED

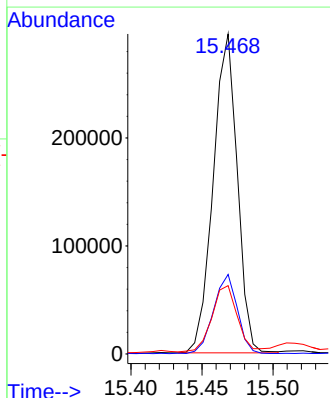
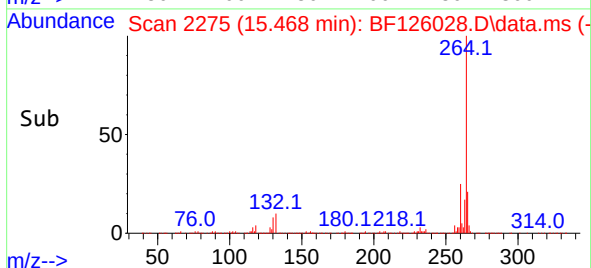
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

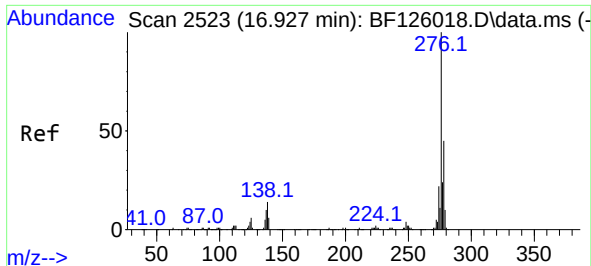


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52



Tgt Ion:264 Resp: 348071
Ion Ratio Lower Upper
264 100
260 24.9 19.6 29.4
265 21.3 17.2 25.8





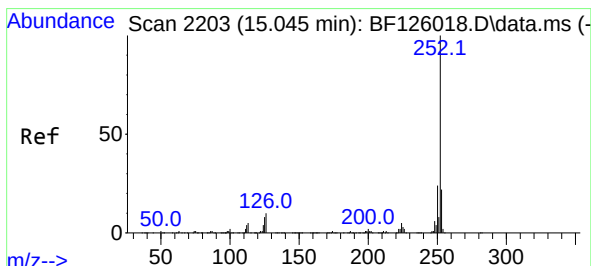
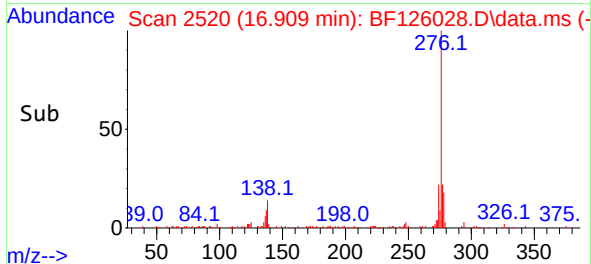
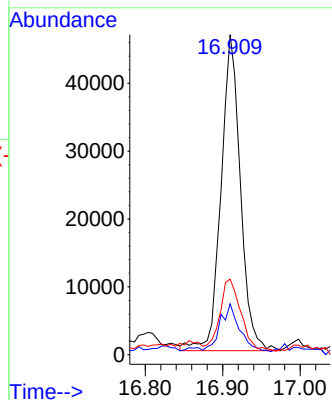
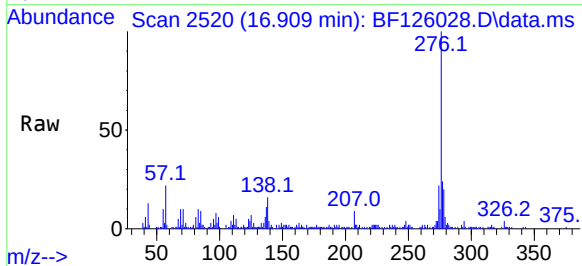
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.95 ng
RT: 16.909 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :
BNA_F
ClientSampleId :
MH-HHS

Tgt Ion:276 Resp: 81309
Ion Ratio Lower Upper
276 100
138 15.1 24.1 36.1
277 24.9 18.8 28.2

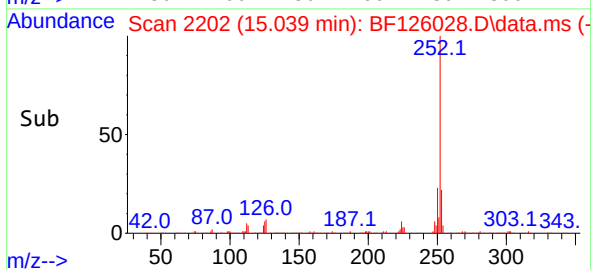
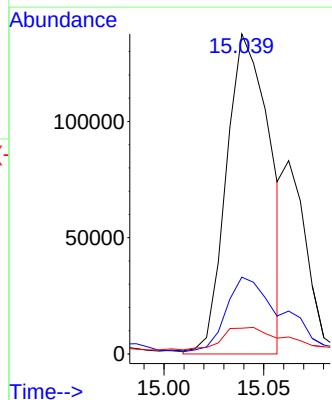
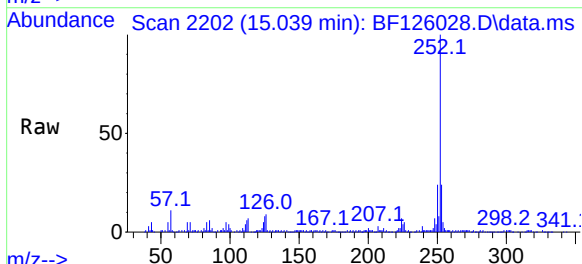
Manual Integrations
APPROVED

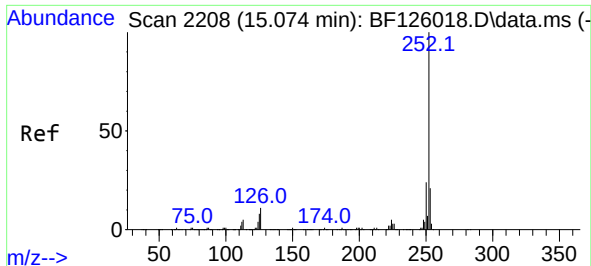
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#88
Benzo(b)fluoranthene
Concen: 9.17 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Tgt Ion:252 Resp: 207610
Ion Ratio Lower Upper
252 100
253 24.0 16.8 25.2
125 8.0 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.11 ng m

RT: 15.062 min Scan# 2206

Delta R.T. -0.012 min

Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

MH-HHS

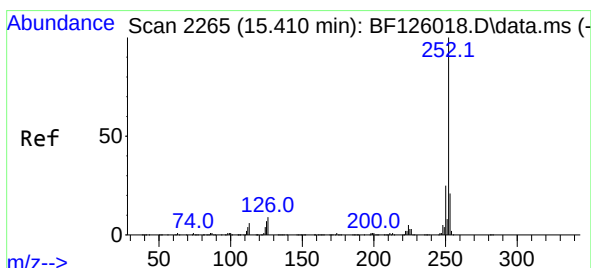
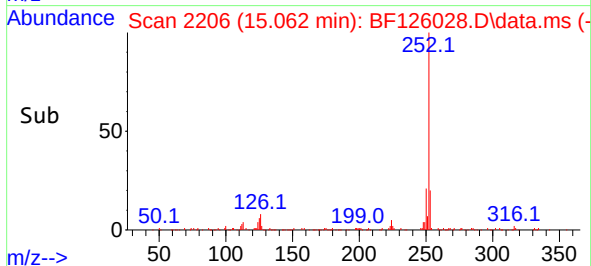
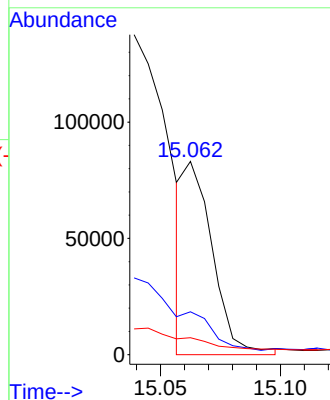
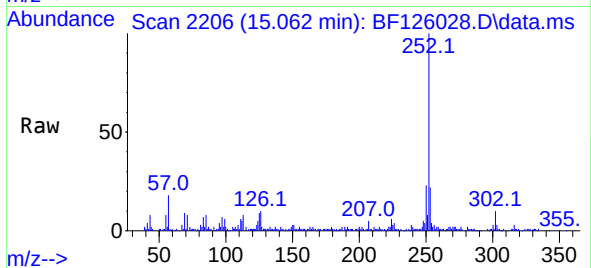
Tgt Ion:252 Resp: 6826

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	8.8	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#90

Benzo(a)pyrene

Concen: 11.46 ng m

RT: 15.404 min Scan# 2264

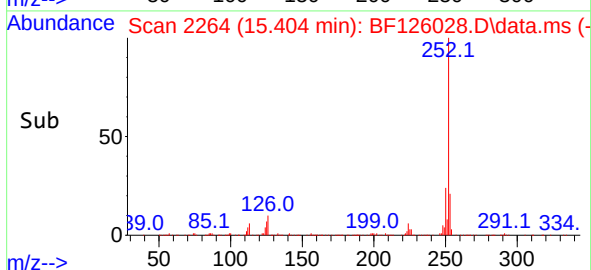
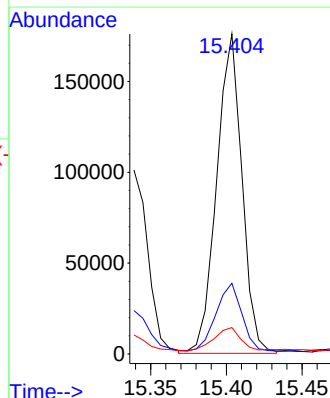
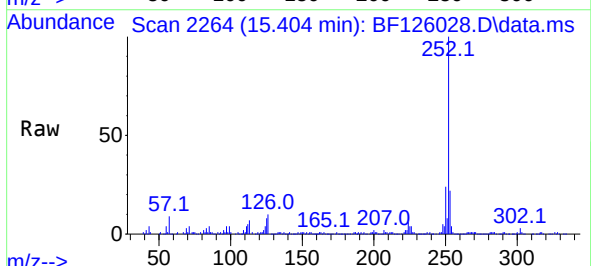
Delta R.T. -0.006 min

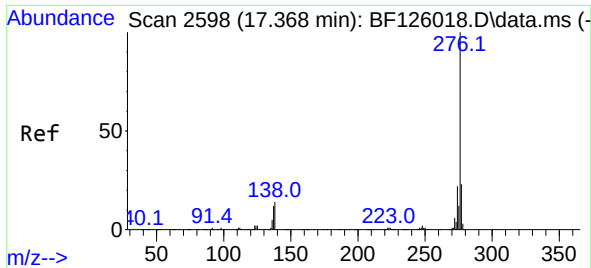
Lab File: BF126028.D

Acq: 3 Nov 2021 19:52

Tgt Ion:252 Resp: 204375

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	8.3	9.9	14.9





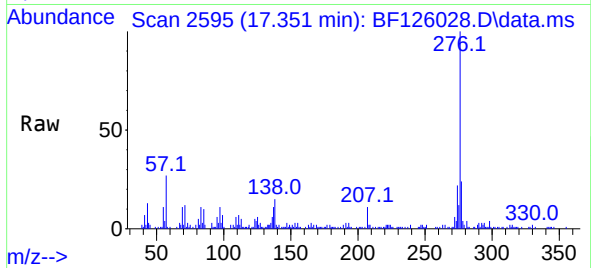
#92
Benzo(g,h,i)perylene
Concen: 4.86 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF126028.D
Acq: 3 Nov 2021 19:52

Instrument :

BNA_F

ClientSampleId :

MH-HHS



Tgt Ion:276 Resp: 78804
Ion Ratio Lower Upper
276 100
277 24.1 22.0 33.0
138 14.9 22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

