

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126266.D
 Acq On : 18 Dec 2021 21:26
 Operator : JU/CG
 Sample : M5168-04 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-G

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/20/2021
 Supervised By : mohammad ahmed 12/29/2021

Quant Time: Dec 20 08:04:40 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	258730	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	1062188	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	472583	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	656869	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	367896	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	354386	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	96389	5.486	ng	0.00
7) Phenol-d6	6.428	99	168493	7.553	ng	-0.02
23) Nitrobenzene-d5	7.369	82	107751	5.494	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	3452	0.909	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	179628	6.666	ng	0.00
79) Terphenyl-d14	12.922	244	117626	5.557	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	1009236	29.768	ng	97
72) Anthracene	11.410	178	186505	5.481	ng	99
75) Fluoranthene	12.551	202	736908	24.125	ng	93
78) Pyrene	12.780	202	1278249	37.819	ng	97
81) Benzo(a)anthracene	13.963	228	443509	20.352	ng	100
83) Chrysene	13.998	228	386205	17.057	ng	97
87) Indeno(1,2,3-cd)pyrene	16.839	276	93088	3.938	ng	94
88) Benzo(b)fluoranthene	15.004	252	330839m	15.537	ng	
89) Benzo(k)fluoranthene	15.027	252	74145m	3.640	ng	
90) Benzo(a)pyrene	15.357	252	242493	13.702	ng	# 95
92) Benzo(g,h,i)perylene	17.268	276	86769	4.364	ng	# 90

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

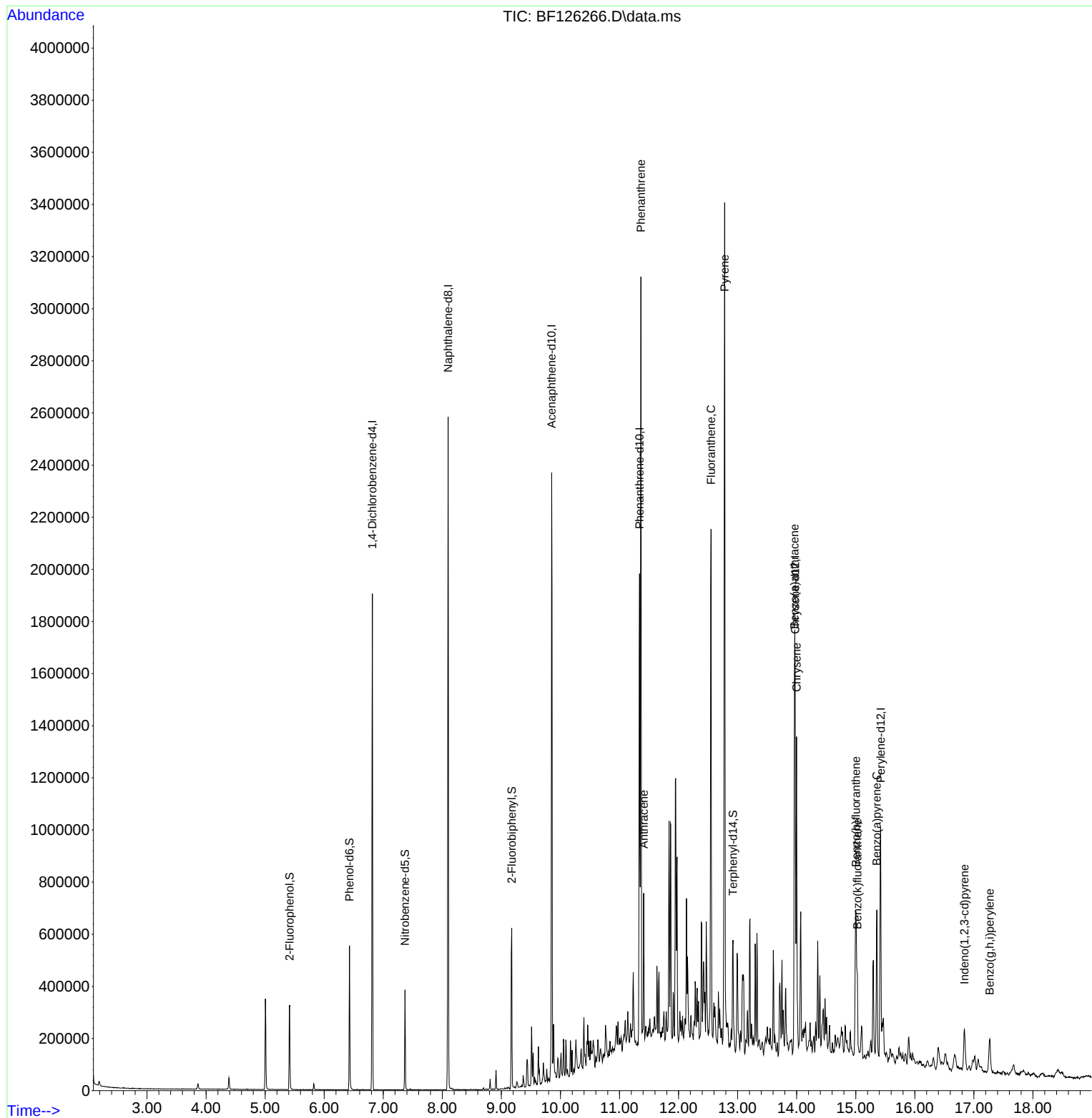
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
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Quant Time: Dec 20 08:04:40 2021
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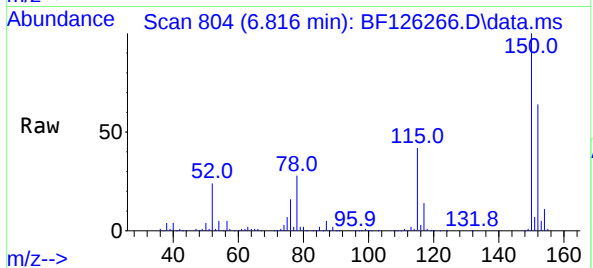
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Supervised By : mohammad ahmed 12/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

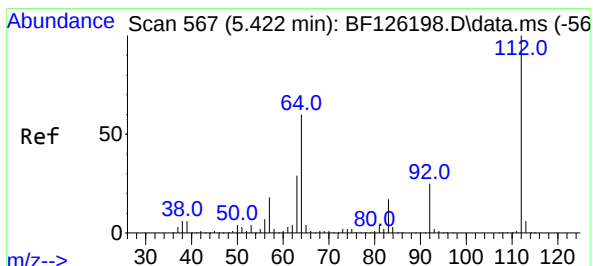
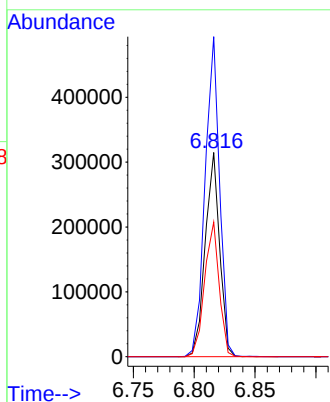
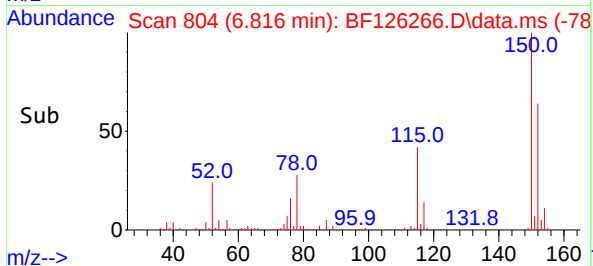
Instrument :
BNA_F
ClientSampleId :
SB-21-G



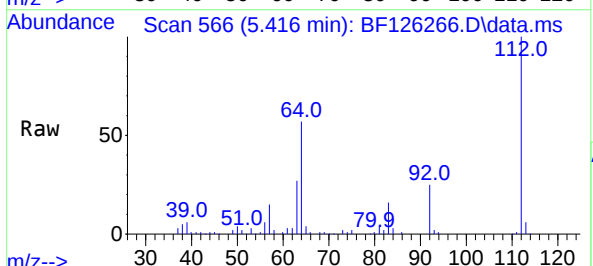
Tgt Ion:152 Resp: 258730
Ion Ratio Lower Upper
152 100
150 156.7 117.6 176.4
115 65.9 47.1 70.7

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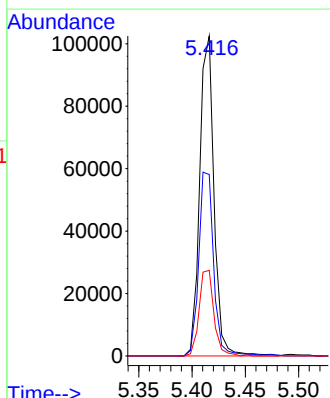
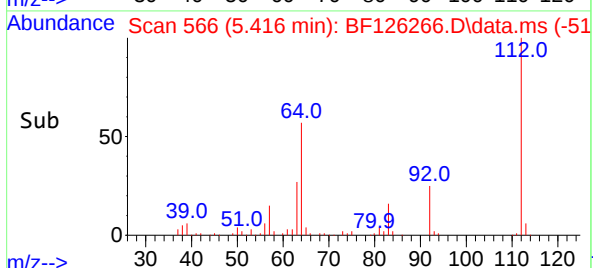
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

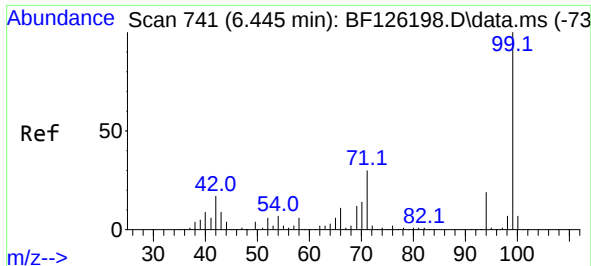


#5
2-Fluorophenol
Concen: 5.486 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26



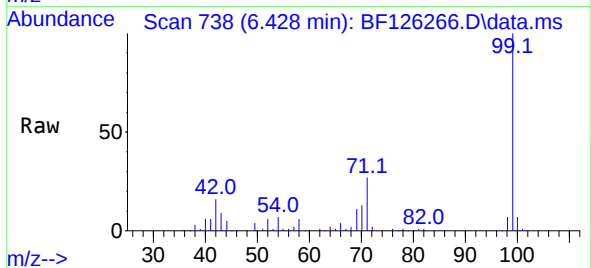
Tgt Ion:112 Resp: 96389
Ion Ratio Lower Upper
112 100
64 56.7 44.2 66.2
63 26.8 26.2 39.2





#7
Phenol-d6
Concen: 7.553 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

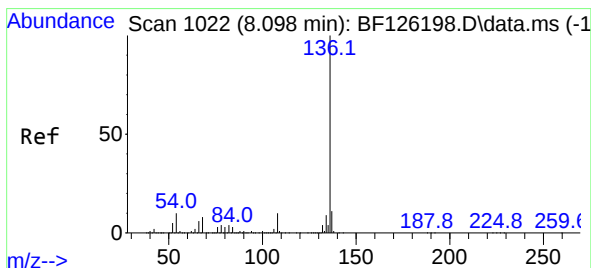
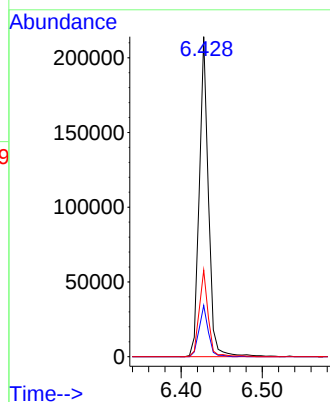
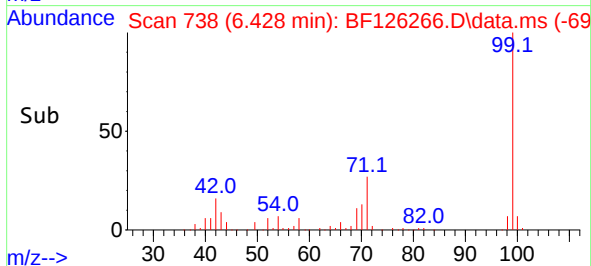
Instrument :
BNA_F
ClientSampleId :
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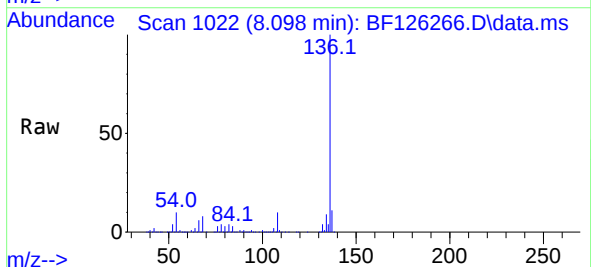
Tgt Ion: 99 Resp: 16849
Ion Ratio Lower Upper
99 100
42 16.0 23.5 35.3
71 27.1 25.6 38.4

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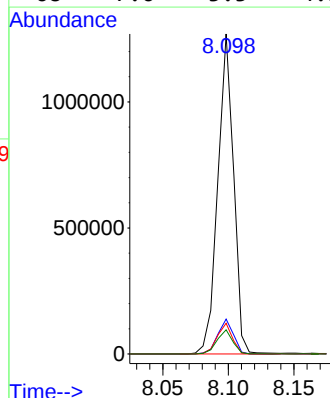
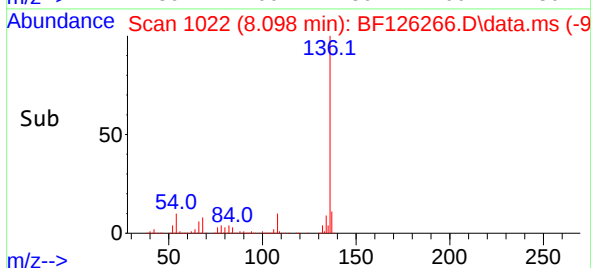
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

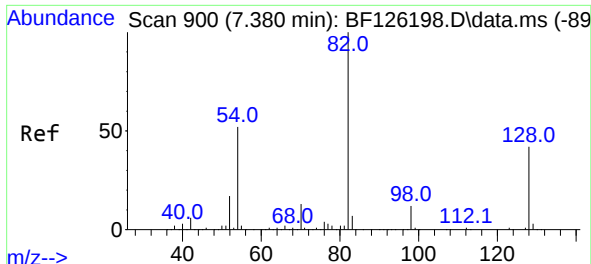


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26



Tgt Ion:136 Resp: 1062188
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.6 6.4 9.6
68 7.6 3.3 4.9





#23

Nitrobenzene-d5

Concen: 5.494 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 10775

Ion Ratio Lower Upper

82 100

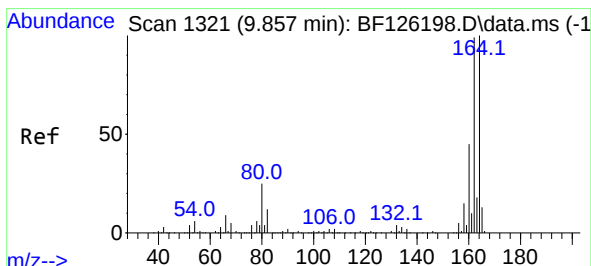
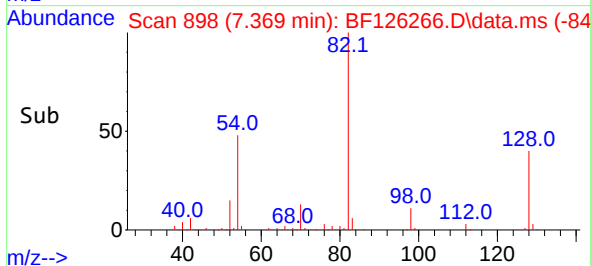
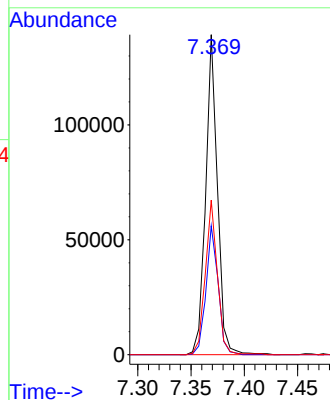
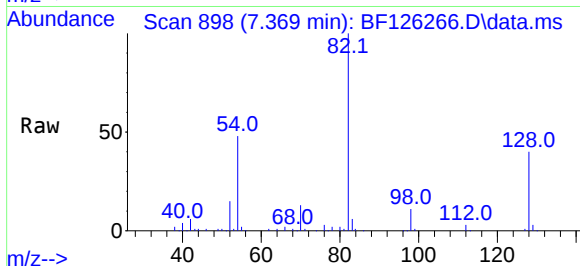
128 40.3 40.6 60.8

54 48.3 49.6 74.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

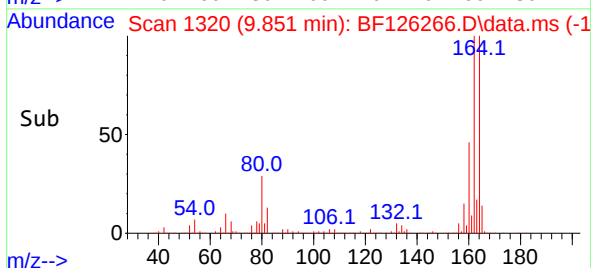
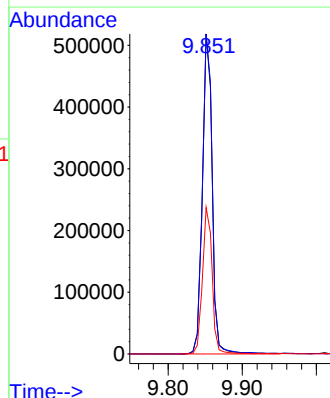
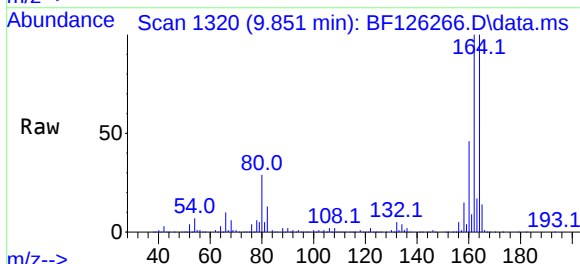
Tgt Ion:164 Resp: 472583

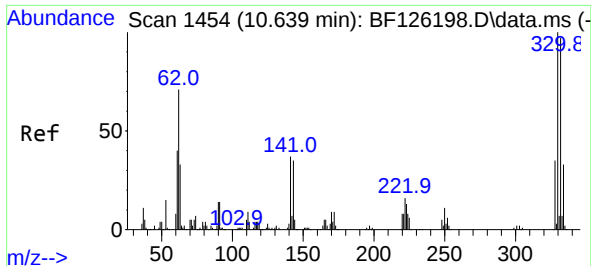
Ion Ratio Lower Upper

164 100

162 100.0 81.3 121.9

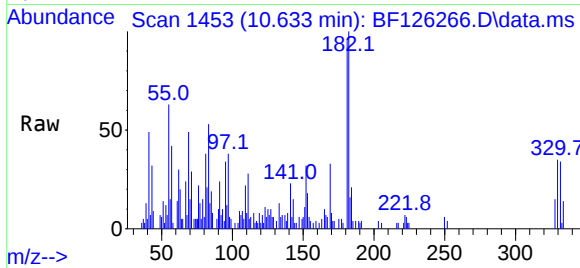
160 45.7 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 0.909 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

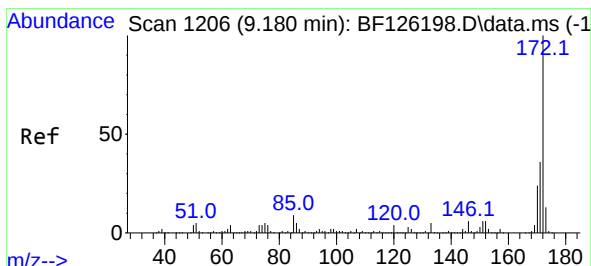
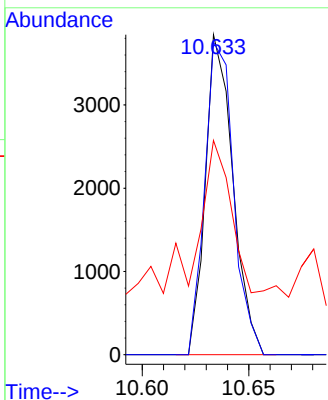
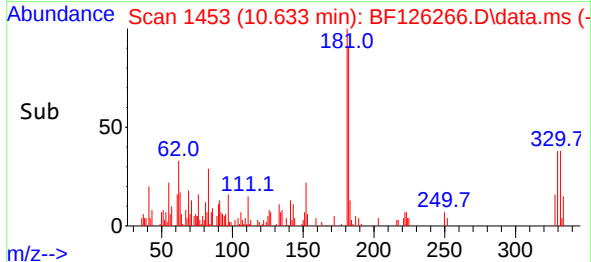
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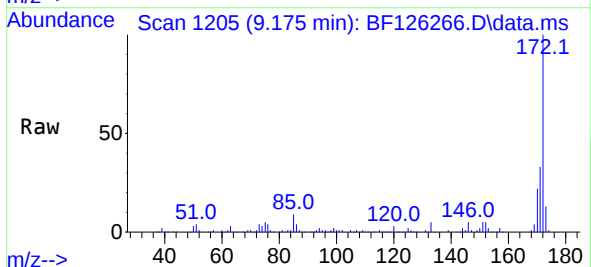
Tgt Ion: 330 Resp: 345
Ion Ratio Lower Upper
330 100
332 102.2 76.2 114.4
141 106.7 44.6 66.8

Manual Integrations
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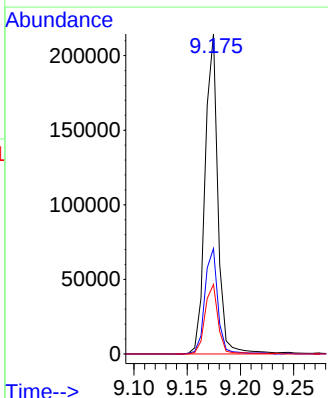
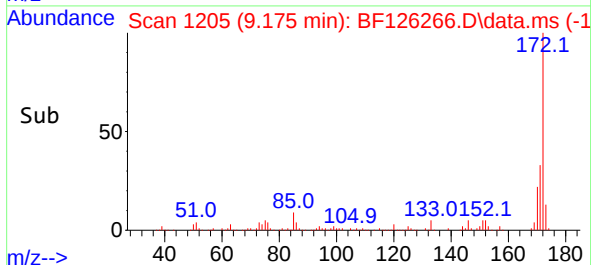
Reviewed By : Christian Giraldo 12/20/2021
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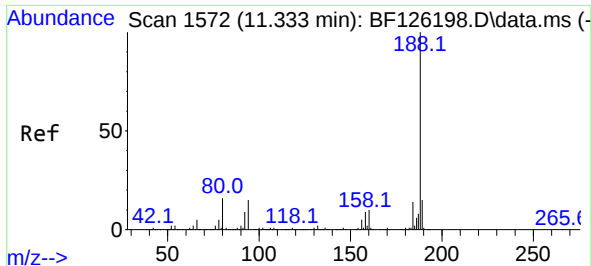


#45
2-Fluorobiphenyl
Concen: 6.666 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26



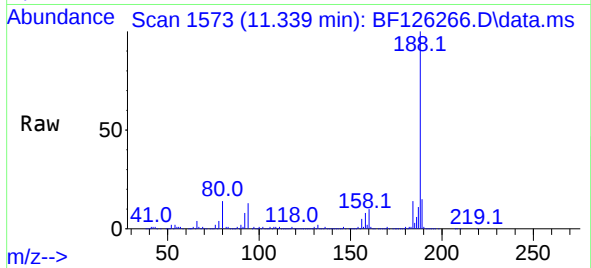
Tgt Ion: 172 Resp: 179628
Ion Ratio Lower Upper
172 100
171 32.9 26.5 39.7
170 21.7 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

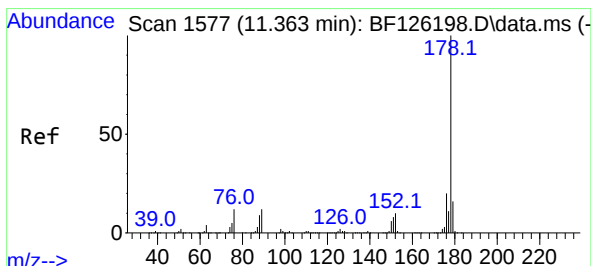
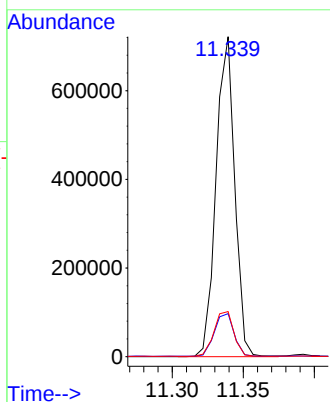
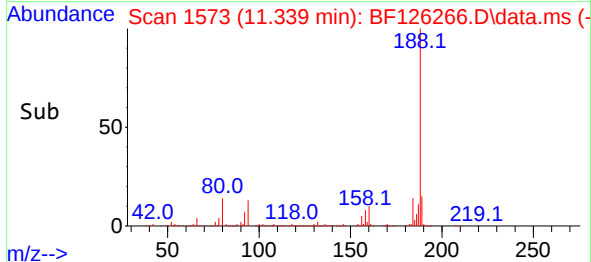
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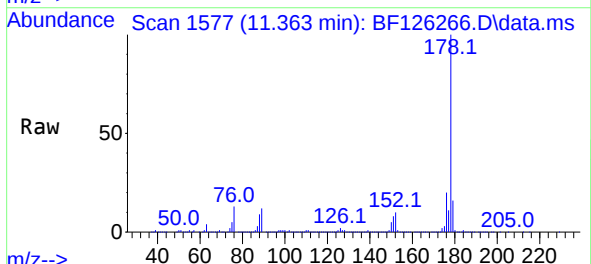
Tgt Ion:188 Resp: 656869
Ion Ratio Lower Upper
188 100
94 13.4 6.7 10.1
80 14.1 7.5 11.3

Manual Integrations
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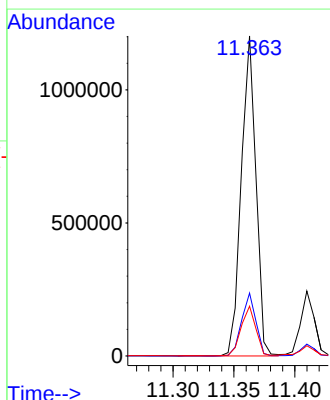
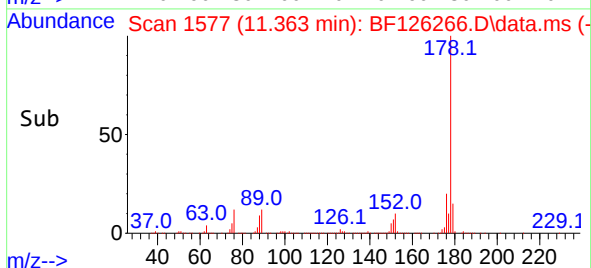
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

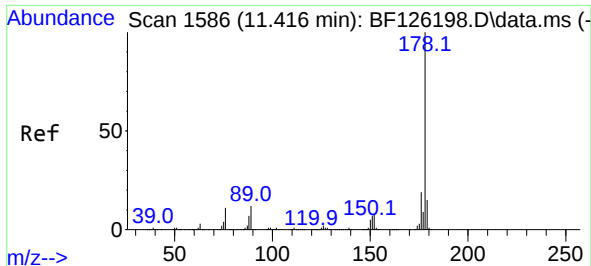


#71
Phenanthrene
Concen: 29.768 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26



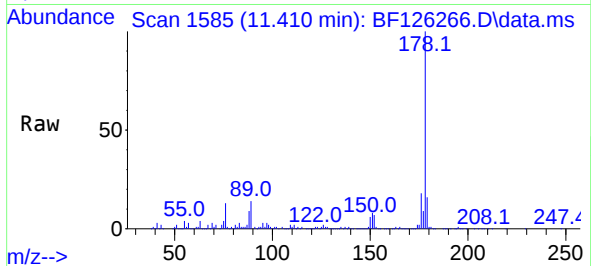
Tgt Ion:178 Resp: 1009236
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 15.6 11.5 17.3





#72
 Anthracene
 Concen: 5.481 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26

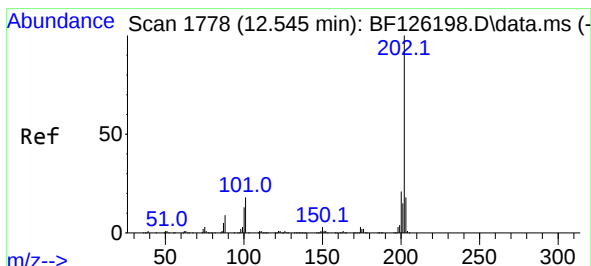
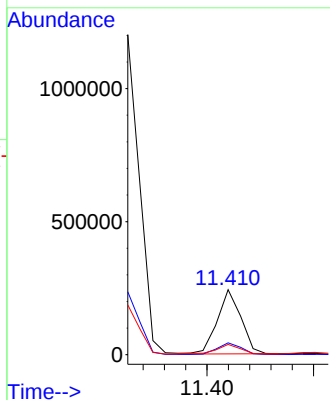
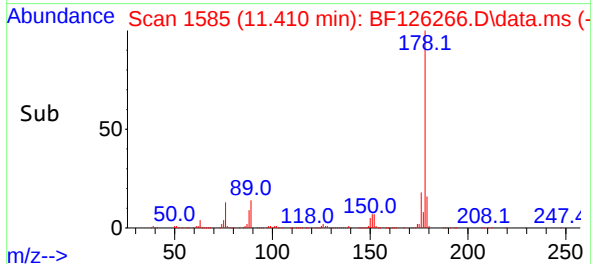
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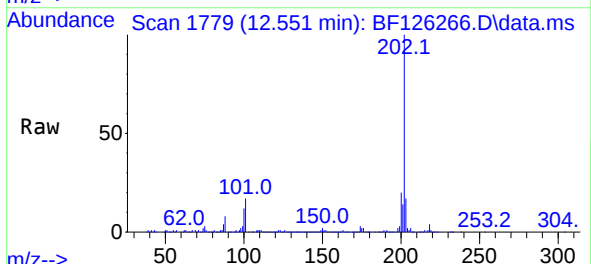
Tgt Ion:178 Resp: 186508
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 15.8 12.2 18.4

Manual Integrations
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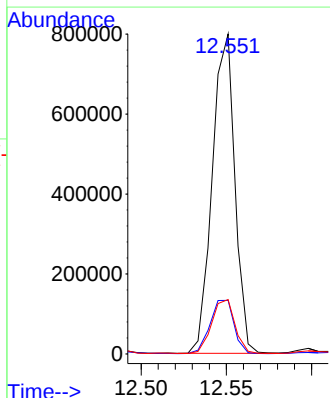
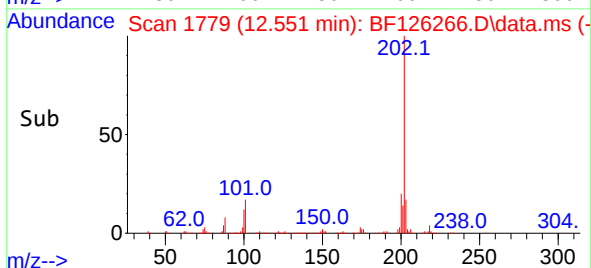
Reviewed By :Christian Giraldo 12/20/2021
 Supervised By :mohammad ahmed 12/29/2021

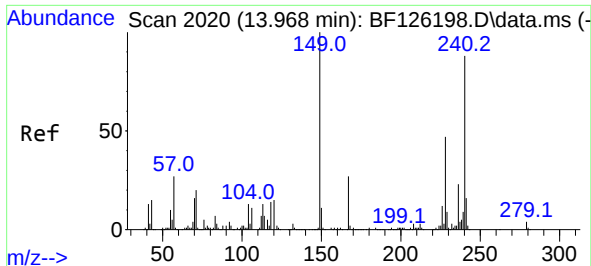


#75
 Fluoranthene
 Concen: 24.125 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.006 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26



Tgt Ion:202 Resp: 736908
 Ion Ratio Lower Upper
 202 100
 101 16.7 0.0 30.7
 203 17.0 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Instrument :

BNA_F

ClientSampleId :

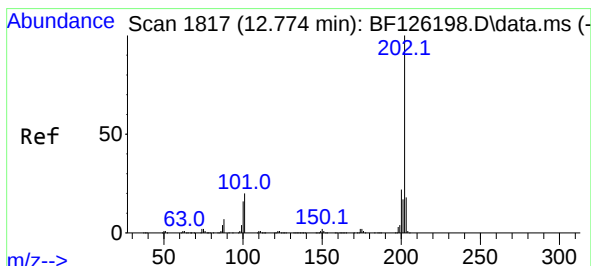
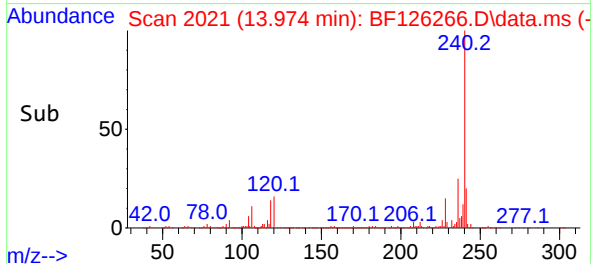
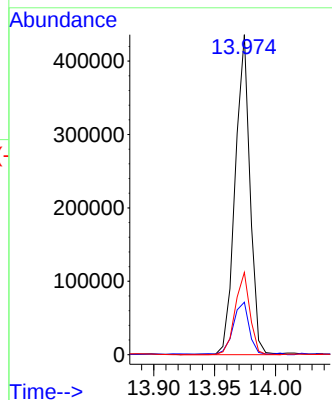
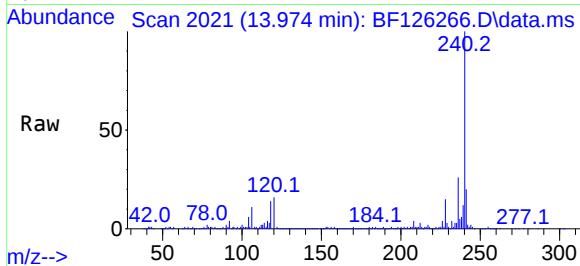
SB-21-G

Tgt Ion:240 Resp: 367890
Ion Ratio Lower Upper
240 100
120 16.4 10.8 16.2
236 25.7 21.6 32.4

Manual Integrations

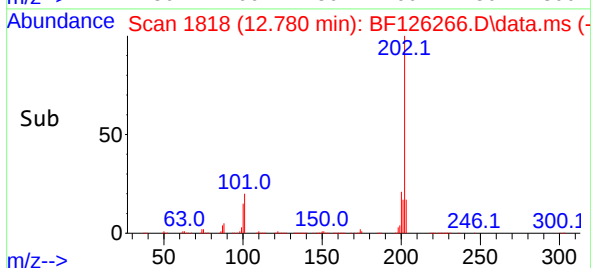
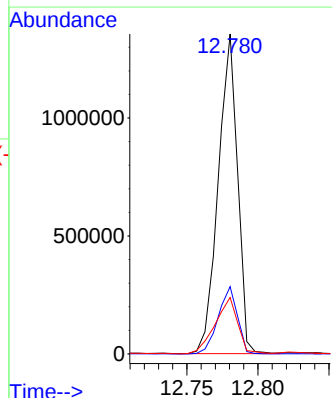
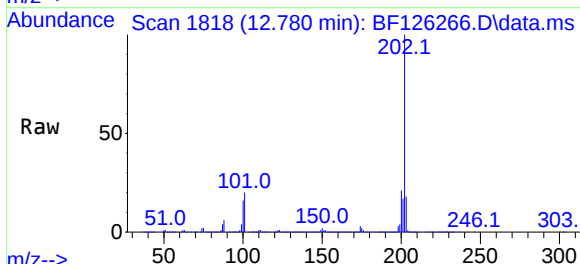
APPROVED

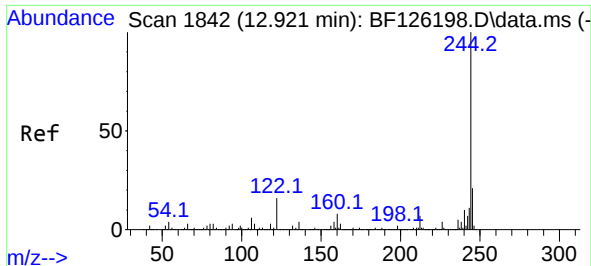
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#78
Pyrene
Concen: 37.819 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

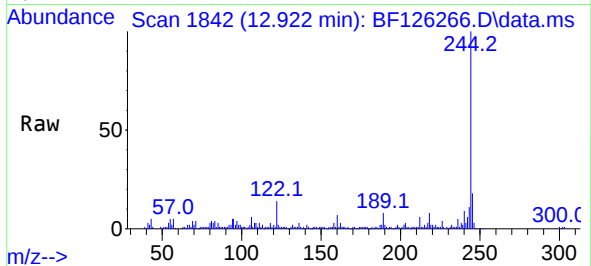
Tgt Ion:202 Resp: 1278249
Ion Ratio Lower Upper
202 100
200 21.1 15.3 22.9
203 17.6 13.4 20.0





#79
Terphenyl-d14
Concen: 5.557 ng
RT: 12.922 min Scan# 117620
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

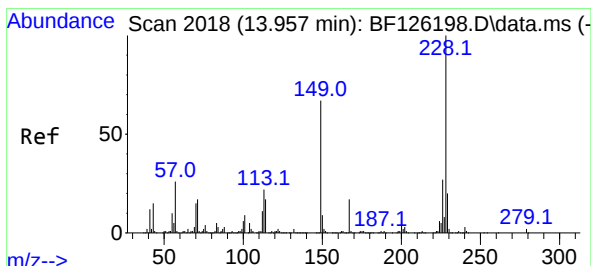
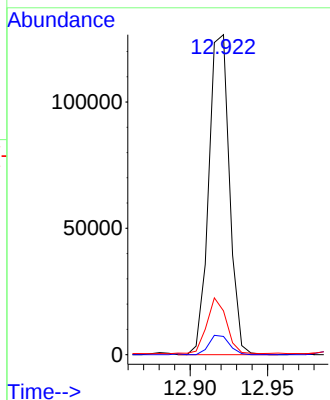
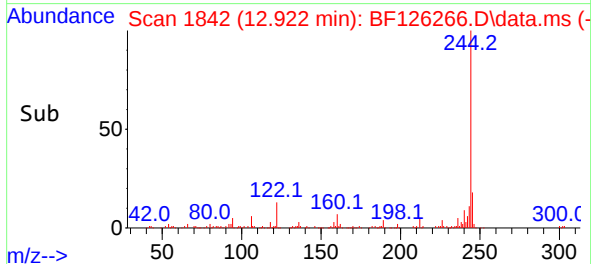
Instrument :
BNA_F
ClientSampleId :
SB-21-G



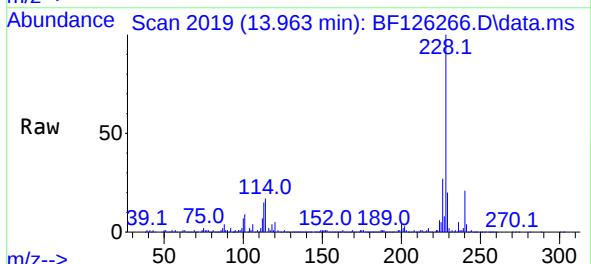
Tgt Ion:244 Resp: 117620
Ion Ratio Lower Upper
244 100
212 5.7 5.9 8.9
122 13.7 9.0 13.4

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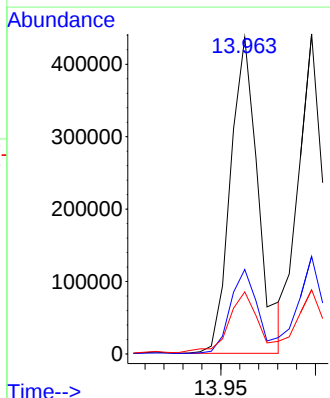
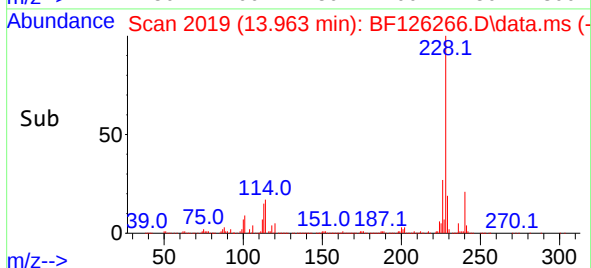
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

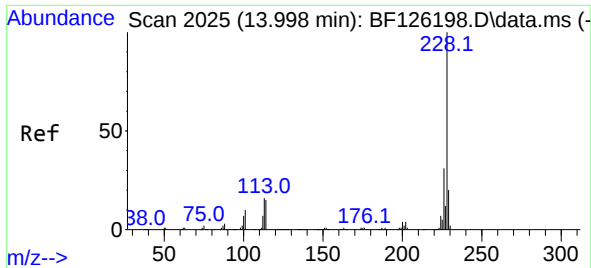


#81
Benzo(a)anthracene
Concen: 20.352 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26



Tgt Ion:228 Resp: 443509
Ion Ratio Lower Upper
228 100
226 26.7 21.6 32.4
229 19.6 15.6 23.4





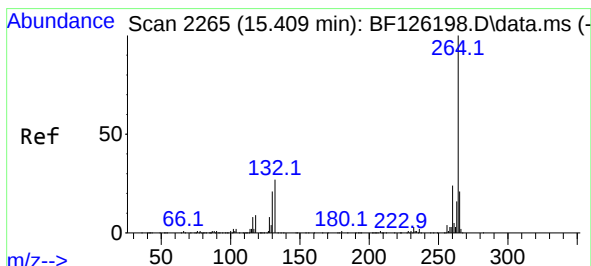
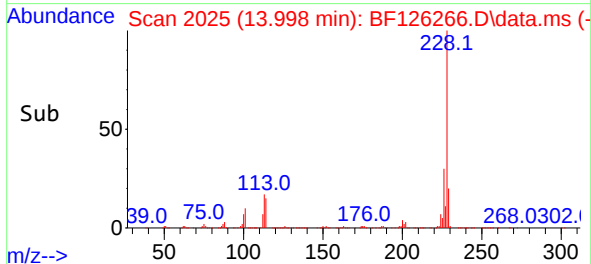
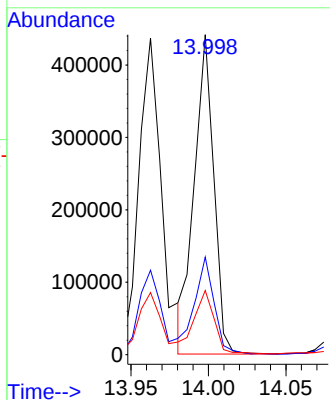
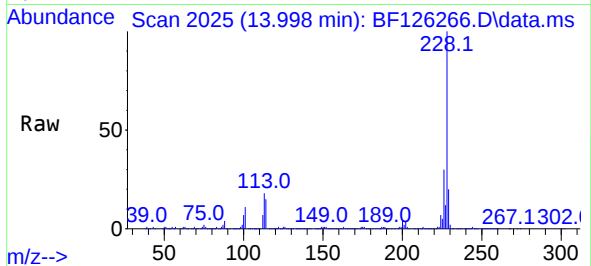
#83
Chrysene
Concen: 17.057 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Instrument :
BNA_F
ClientSampleId :
SB-21-G

Tgt Ion:228 Resp: 38620
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 20.0 15.9 23.9

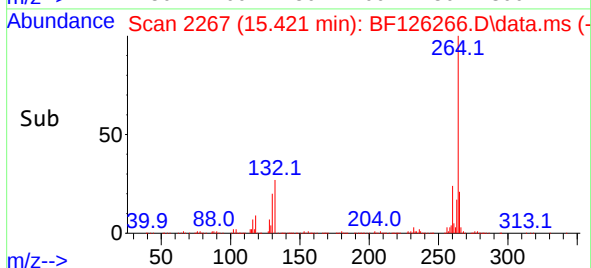
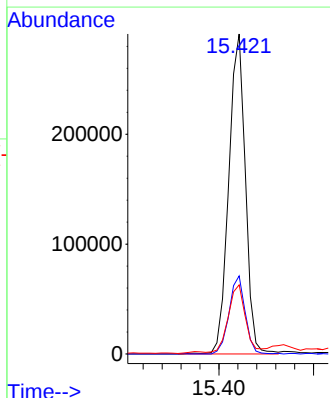
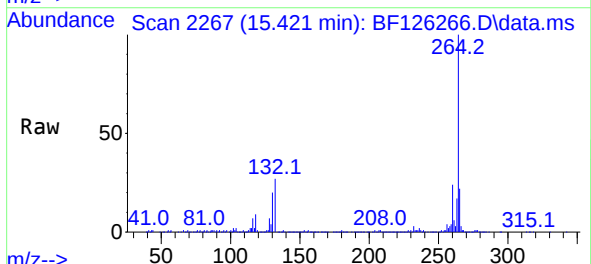
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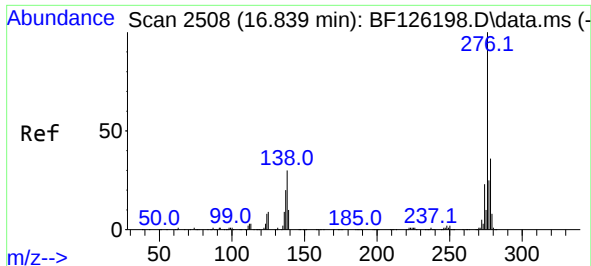
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

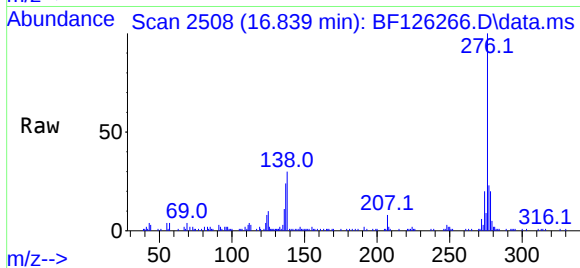
Tgt Ion:264 Resp: 354386
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 21.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.938 ng
RT: 16.839 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

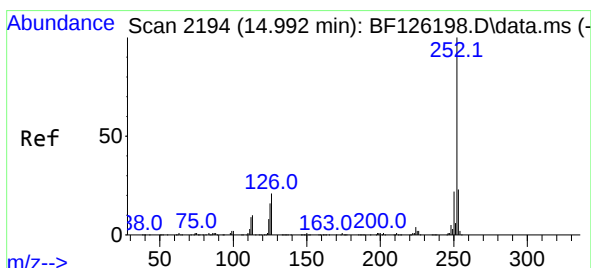
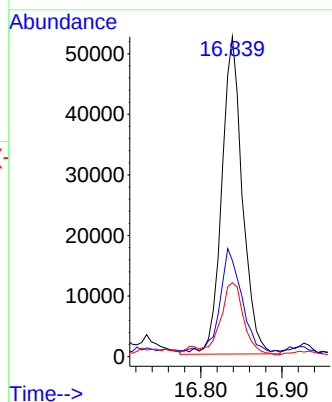
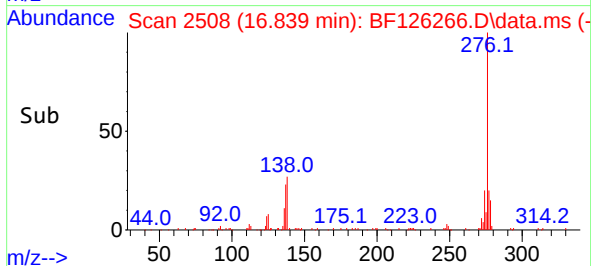
Instrument :
BNA_F
ClientSampleId :
SB-21-G



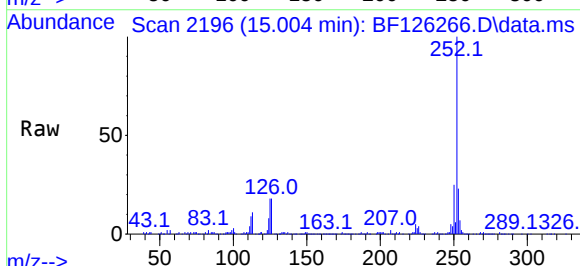
Tgt Ion:276 Resp: 93088
Ion Ratio Lower Upper
276 100
138 33.7 24.1 36.1
277 26.0 18.8 28.2

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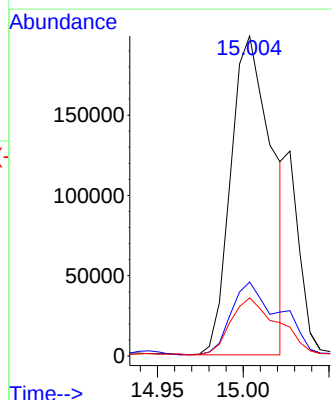
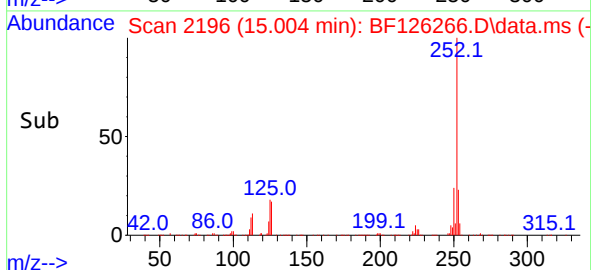
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

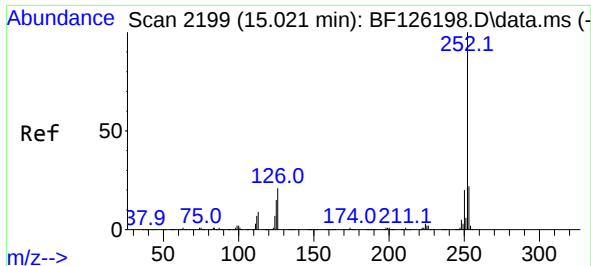


#88
Benzo(b)fluoranthene
Concen: 15.537 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26



Tgt Ion:252 Resp: 330839
Ion Ratio Lower Upper
252 100
253 23.1 16.8 25.2
125 18.1 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.640 ng m

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

Instrument :

BNA_F

ClientSampleId :

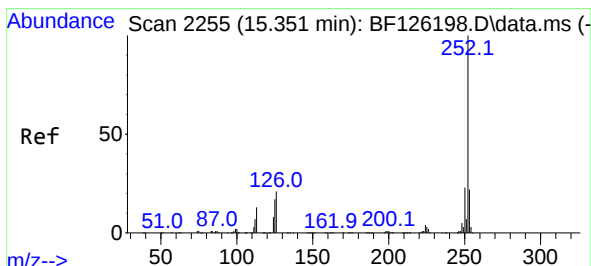
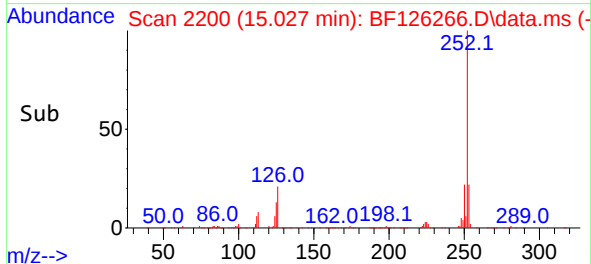
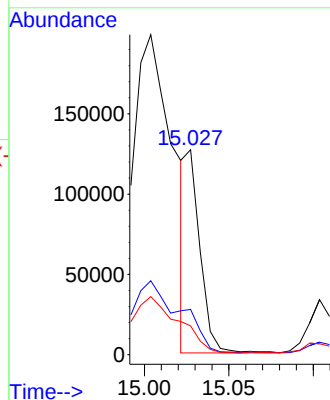
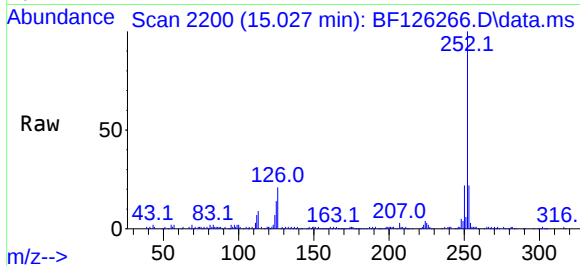
SB-21-G

Tgt Ion:252	Resp:	7414
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.8 26.8
125	14.1	7.2 10.8

Manual Integrations

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Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#90

Benzo(a)pyrene

Concen: 13.702 ng

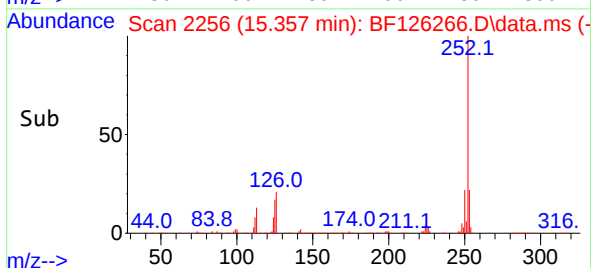
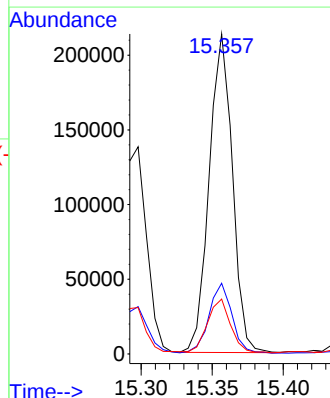
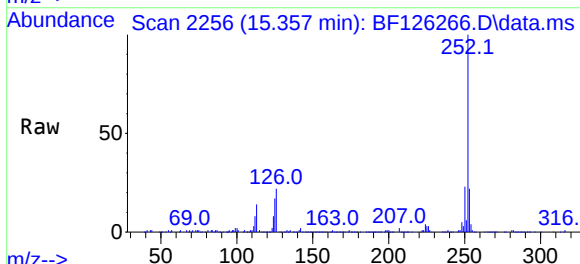
RT: 15.357 min Scan# 2256

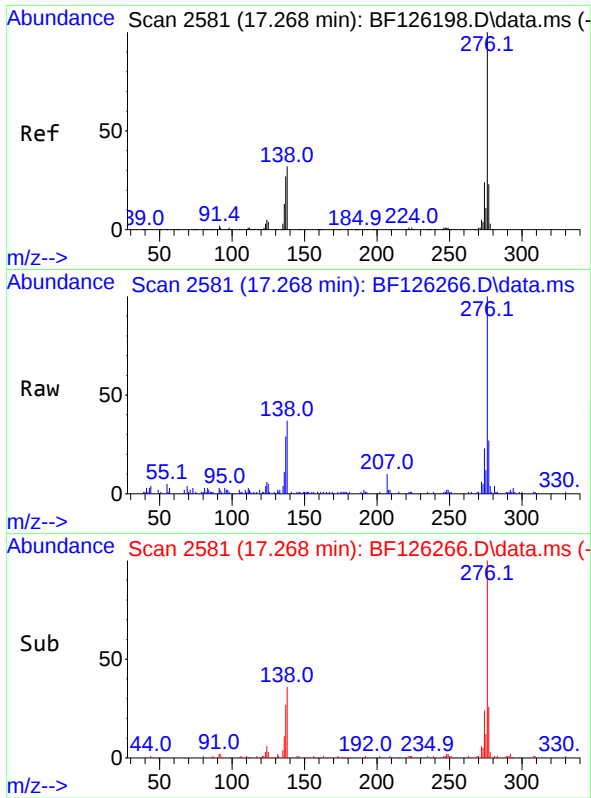
Delta R.T. 0.006 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

Tgt Ion:252	Resp:	242493
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.4 27.6
125	17.2	9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 4.364 ng

RT: 17.268 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

Instrument :

BNA_F

ClientSampleId :

SB-21-G

Tgt Ion:276 Resp: 86769

Ion Ratio Lower Upper

276 100

277 26.5 22.0 33.0

138 36.8 22.2 33.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/20/2021

Supervised By :mohammad ahmed 12/29/2021

