

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126267.D
 Acq On : 18 Dec 2021 21:59
 Operator : JU/CG
 Sample : M5168-06 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-G

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 08:04:51 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	248858	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	1030083	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	468651	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	667814	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	395699	20.000	ng	0.00
86) Perylene-d12	15.421	264	367194	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	74893	4.432	ng	0.00
7) Phenol-d6	6.428	99	199817	9.312	ng	-0.02
23) Nitrobenzene-d5	7.369	82	133172	7.002	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	4398	1.168	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	241241	9.028	ng	0.00
79) Terphenyl-d14	12.922	244	168383	7.396	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.810	142	97869	3.299	ng	97
38) 1-Methylnaphthalene	8.910	142	112589	3.911	ng	97
52) Acenaphthene	9.886	154	139709	5.408	ng	98
58) Fluorene	10.398	166	119496	4.693	ng	99
71) Phenanthrene	11.369	178	1757811	50.998	ng	97
72) Anthracene	11.410	178	294991	8.527	ng	99
75) Fluoranthene	12.551	202	702344	22.616	ng	93
78) Pyrene	12.780	202	1037665	28.544	ng	98
81) Benzo(a)anthracene	13.963	228	350690	14.962	ng	99
83) Chrysene	13.998	228	316430	12.993	ng	99
88) Benzo(b)fluoranthene	14.998	252	214741m	9.733	ng	
89) Benzo(k)fluoranthene	15.021	252	83701m	3.966	ng	
90) Benzo(a)pyrene	15.357	252	172663	9.416	ng	# 96
92) Benzo(g,h,i)perylene	17.262	276	65615	3.185	ng	93

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

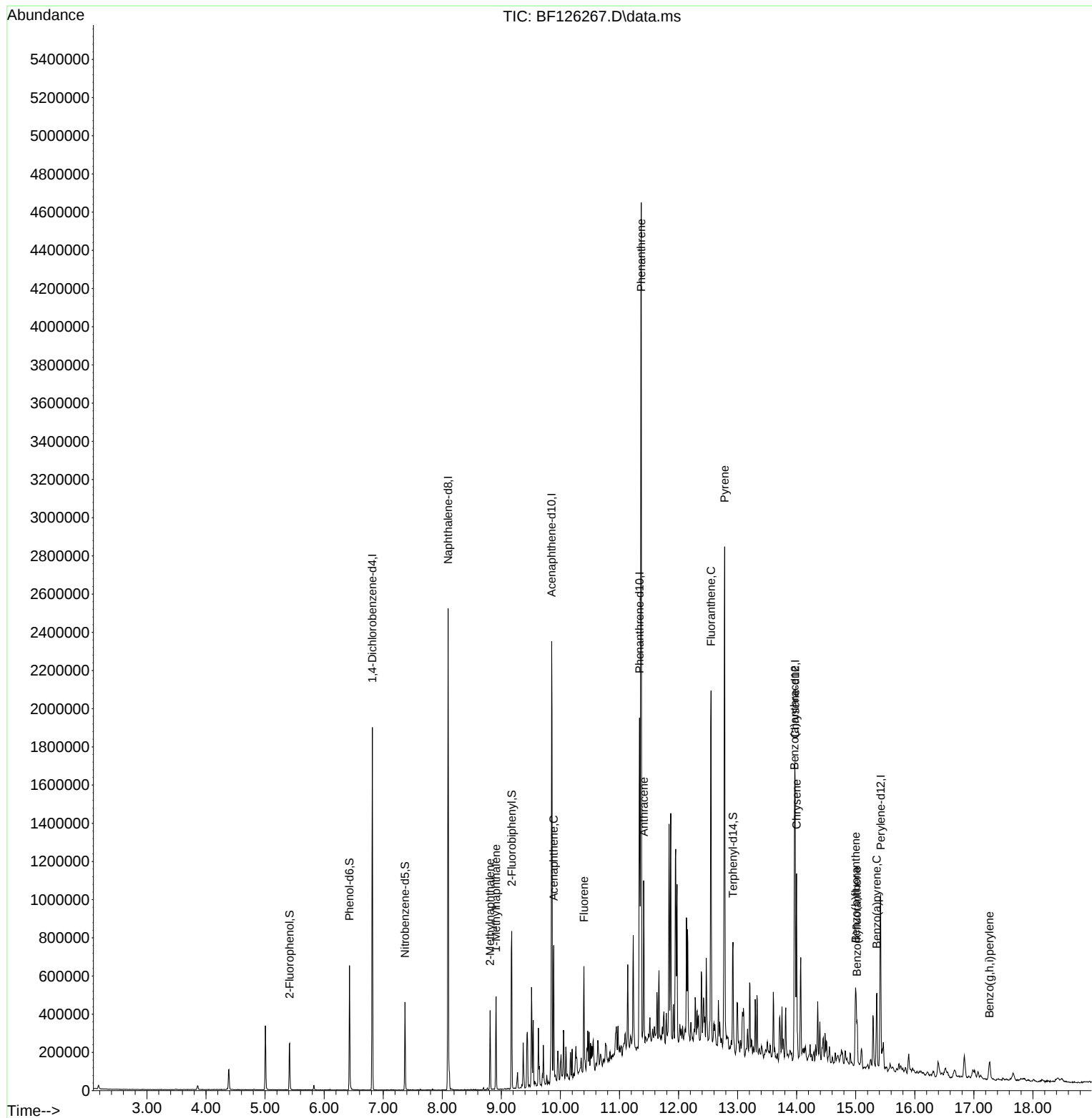
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
Data File : BF126267.D
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ALS Vial : 21 Sample Multiplier: 1

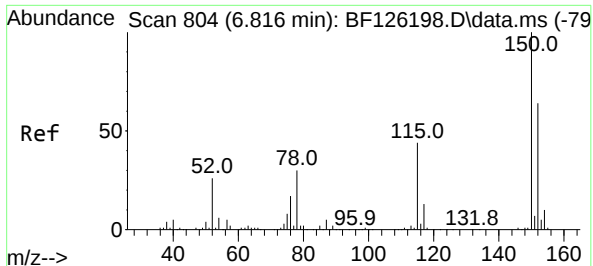
Instrument :
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Quant Time: Dec 20 08:04:51 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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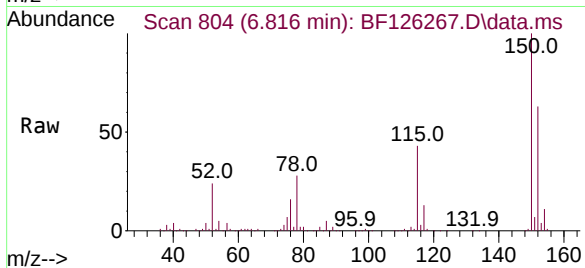
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

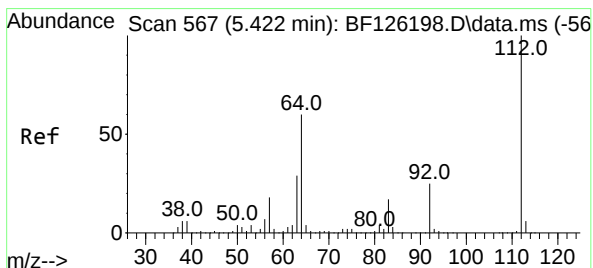
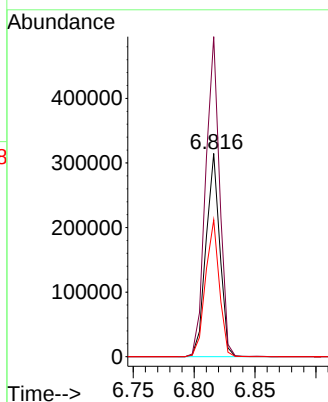
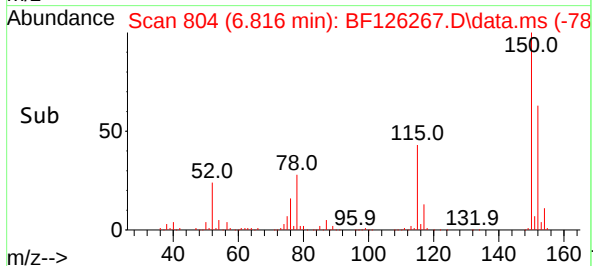
Instrument :
BNA_F
ClientSampleId :
SB-01-G



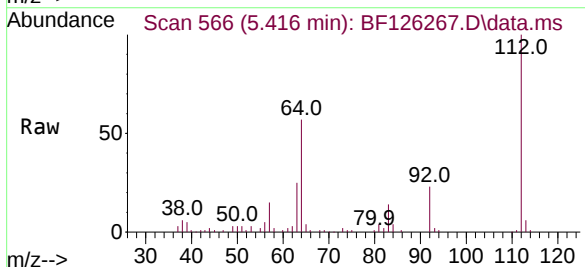
Tgt Ion:152 Resp: 248858
Ion Ratio Lower Upper
152 100
150 157.5 117.6 176.4
115 67.3 47.1 70.7

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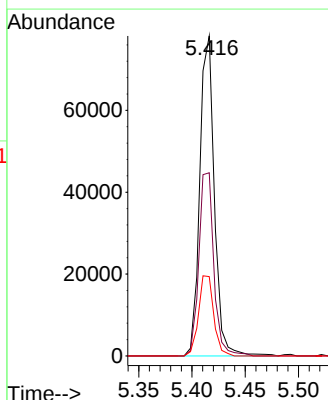
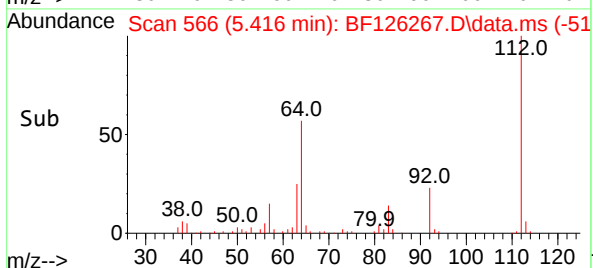
Reviewed By :Christian Giraldo 12/20/2021
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#5
2-Fluorophenol
Concen: 4.432 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



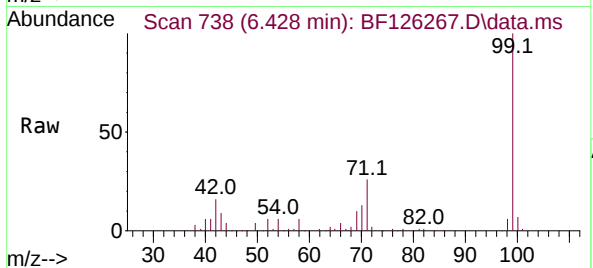
Tgt Ion:112 Resp: 74893
Ion Ratio Lower Upper
112 100
64 57.3 44.2 66.2
63 24.8 26.2 39.2#





#7
Phenol-d6
Concen: 9.312 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.017 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

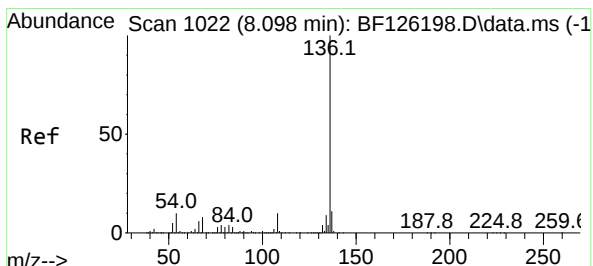
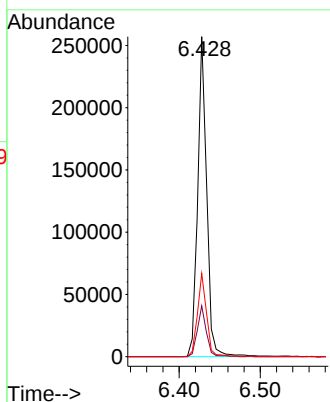
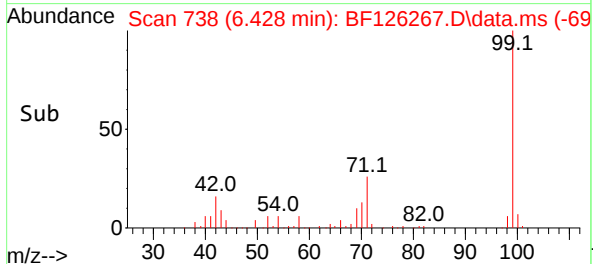
Instrument :
BNA_F
ClientSampleId :
SB-01-G



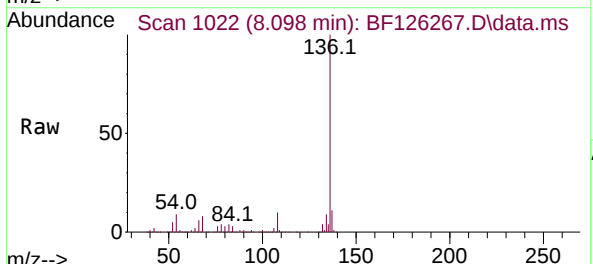
Tgt Ion: 99 Resp: 19981
Ion Ratio Lower Upper
99 100
42 15.9 23.5 35.3
71 26.0 25.6 38.4

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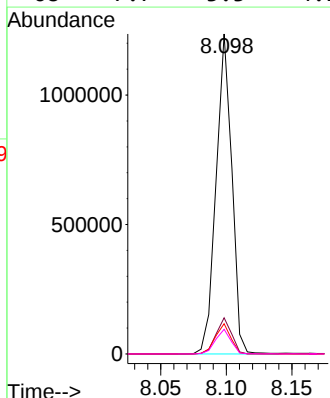
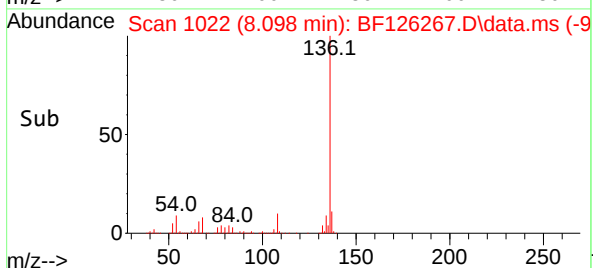
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

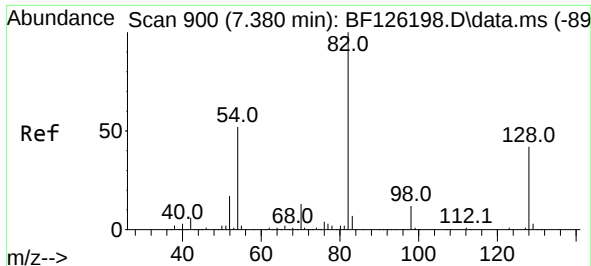


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



Tgt Ion:136 Resp: 1030083
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.6
54 9.4 6.4 9.6
68 7.7 3.3 4.9





#23

Nitrobenzene-d5

Concen: 7.002 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.011 min

Lab File: BF126267.D

Acq: 18 Dec 2021 21:59

Instrument :

BNA_F

ClientSampleId :

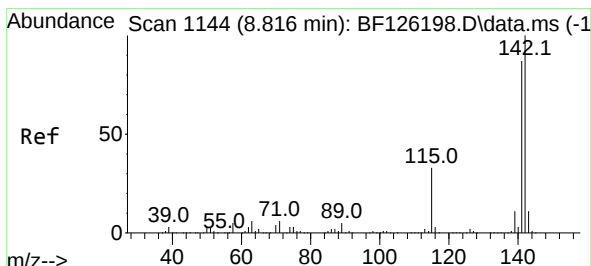
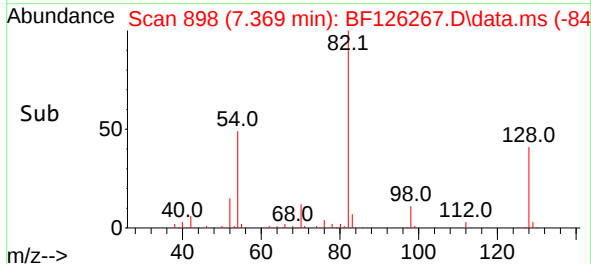
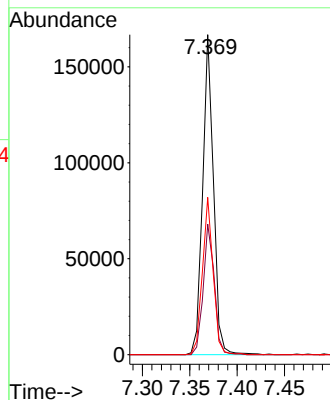
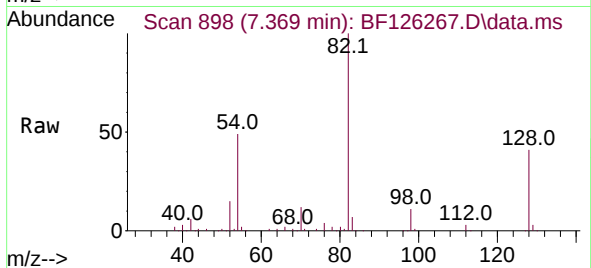
SB-01-G

Tgt Ion: 82 Resp: 133172
 Ion Ratio Lower Upper
 82 100
 128 40.8 40.6 60.8
 54 49.2 49.6 74.4

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#37

2-Methylnaphthalene

Concen: 3.299 ng

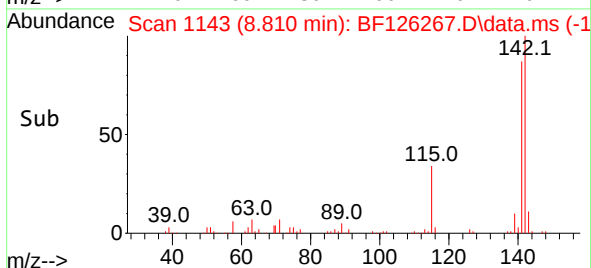
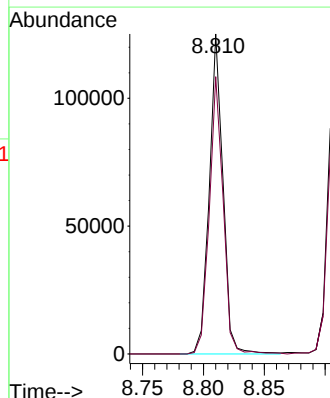
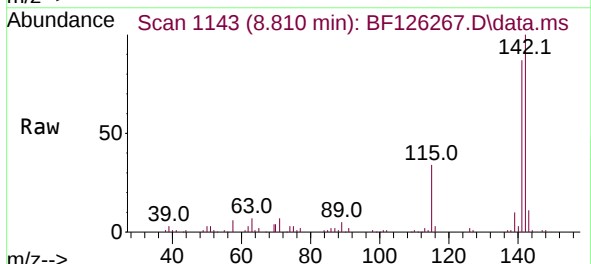
RT: 8.810 min Scan# 1143

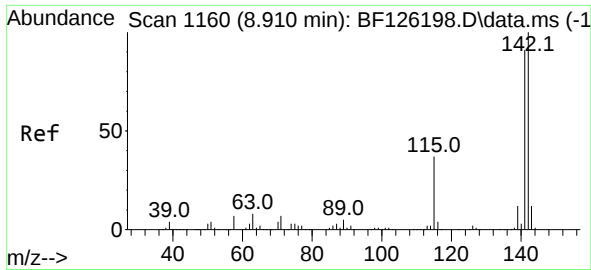
Delta R.T. -0.006 min

Lab File: BF126267.D

Acq: 18 Dec 2021 21:59

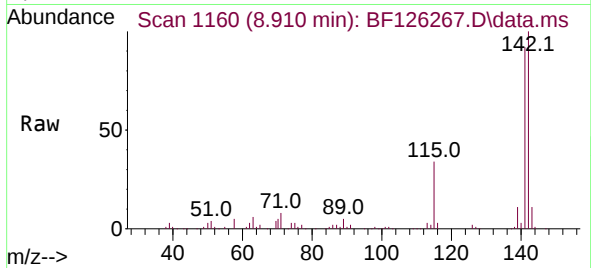
Tgt Ion:142 Resp: 97869
 Ion Ratio Lower Upper
 142 100
 141 86.7 71.2 106.8





#38
1-Methylnaphthalene
Concen: 3.911 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

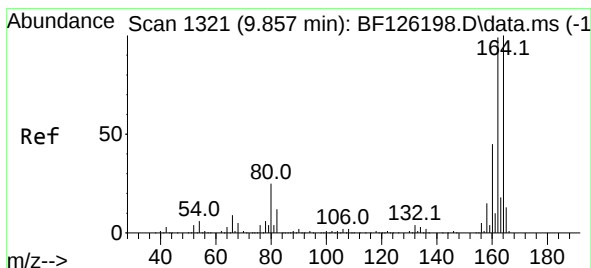
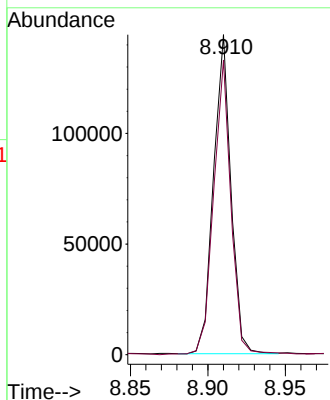
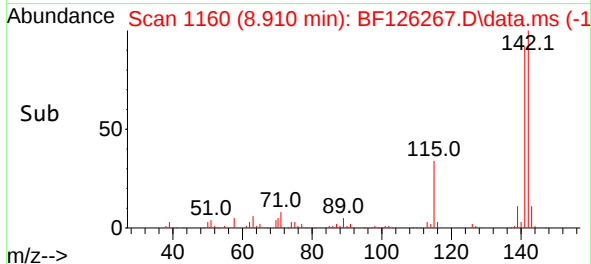
Instrument :
BNA_F
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SB-01-G



Tgt Ion:142 Resp: 112589
Ion Ratio Lower Upper
142 100
141 92.1 76.0 114.0

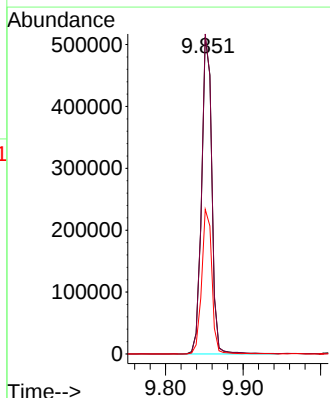
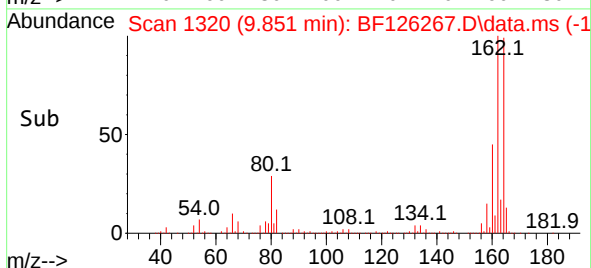
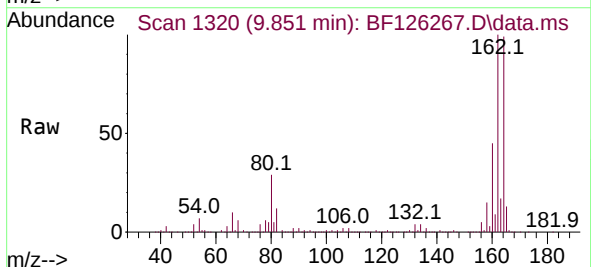
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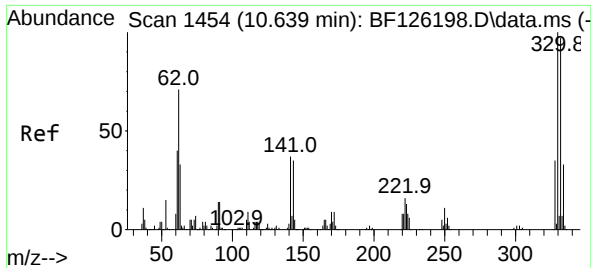
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

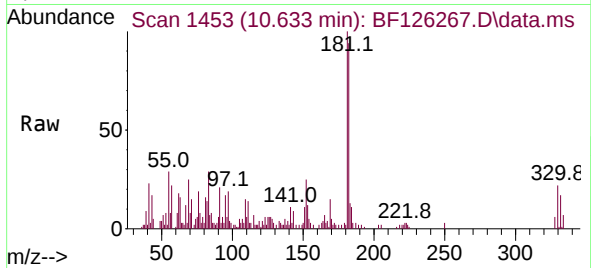
Tgt Ion:164 Resp: 468651
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 45.6 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 1.168 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

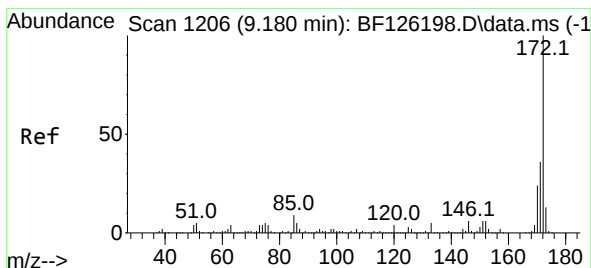
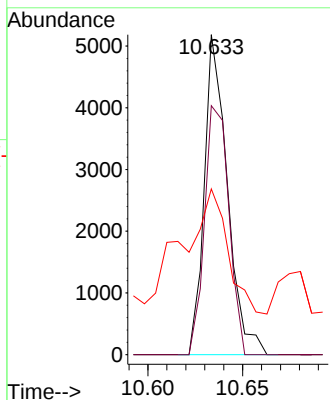
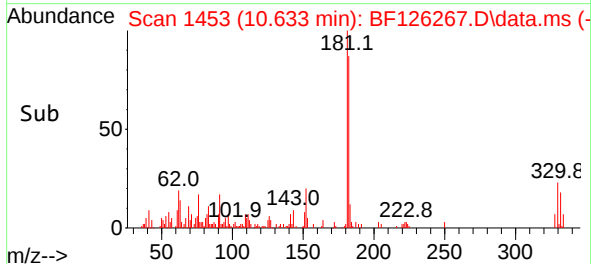
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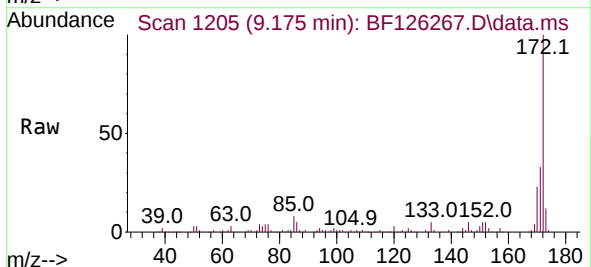
Tgt Ion: 330 Resp: 4398
Ion Ratio Lower Upper
330 100
332 81.8 76.2 114.4
141 82.2 44.6 66.8

Manual Integrations
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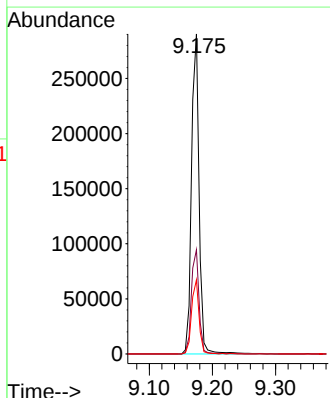
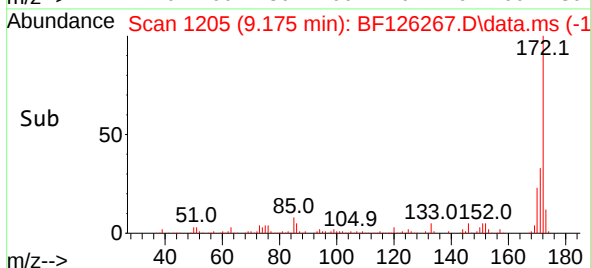
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Supervised By : mohammad ahmed 12/29/2021

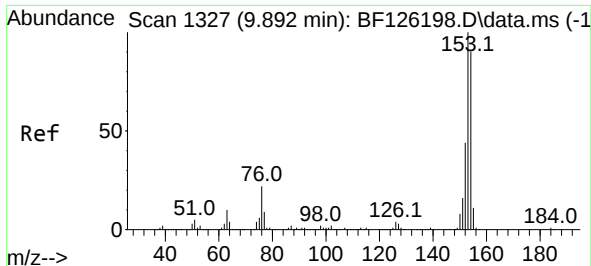


#45
2-Fluorobiphenyl
Concen: 9.028 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



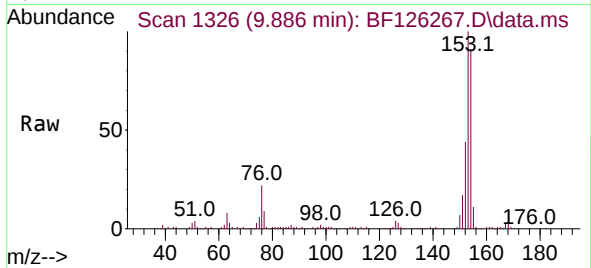
Tgt Ion: 172 Resp: 241241
Ion Ratio Lower Upper
172 100
171 32.6 26.5 39.7
170 23.1 18.8 28.2





#52
Acenaphthene
Concen: 5.408 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

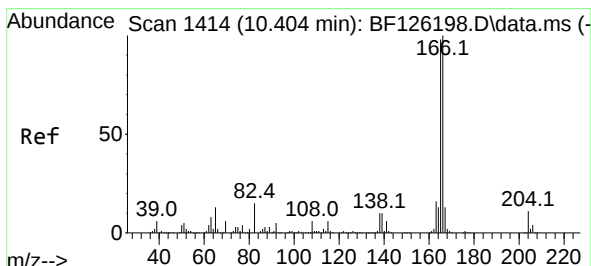
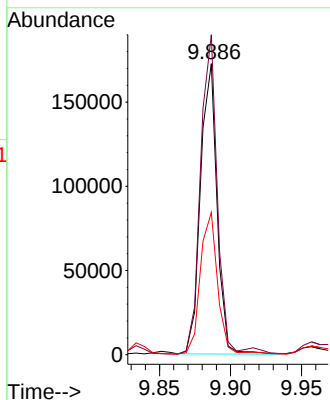
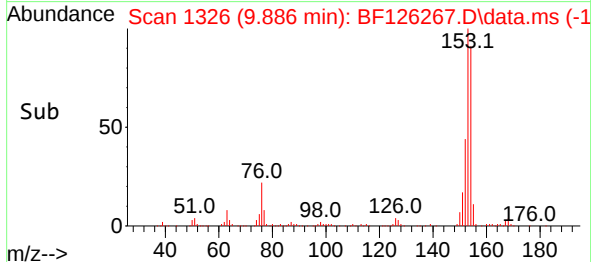
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SB-01-G



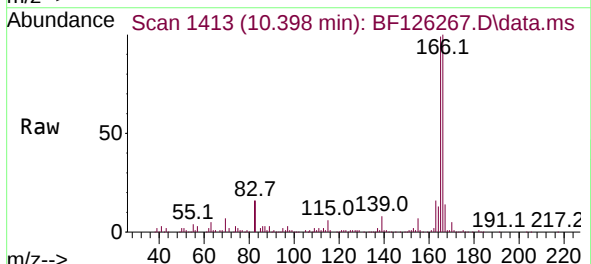
Tgt Ion:154 Resp: 139709
Ion Ratio Lower Upper
154 100
153 110.0 89.4 134.2
152 48.9 40.5 60.7

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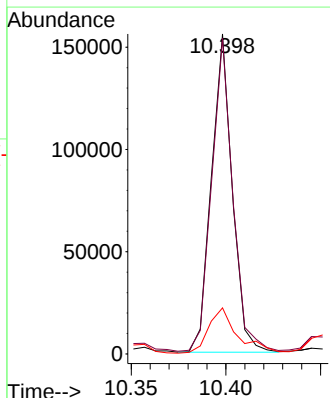
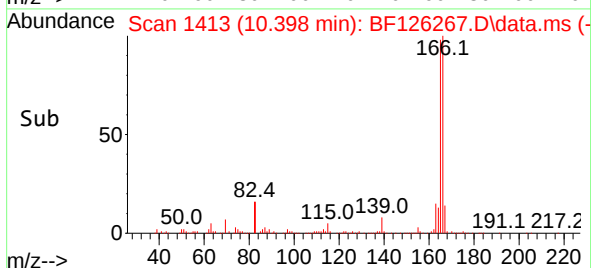
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

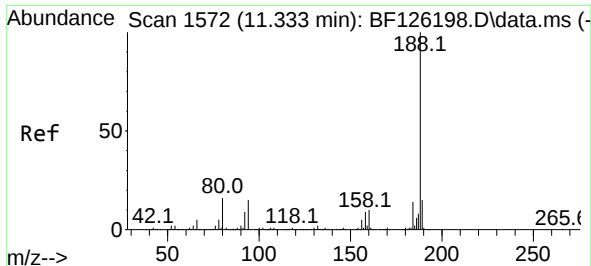


#58
Fluorene
Concen: 4.693 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



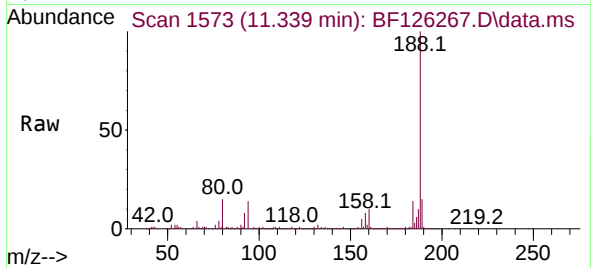
Tgt Ion:166 Resp: 119496
Ion Ratio Lower Upper
166 100
165 98.8 78.1 117.1
167 14.4 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

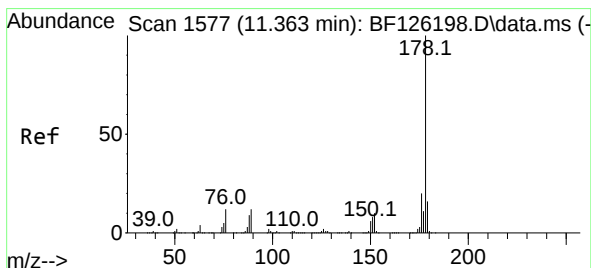
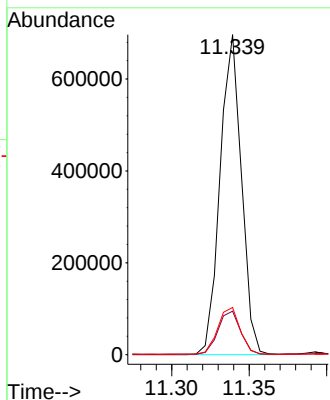
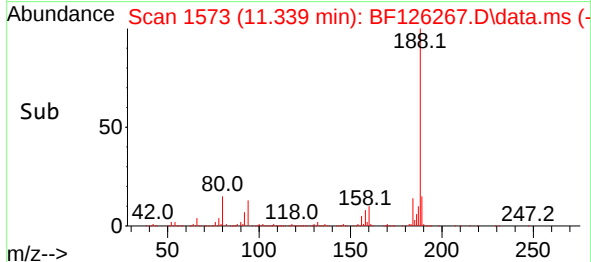
Instrument :
BNA_F
ClientSampleId :
SB-01-G



Tgt Ion:188 Resp: 667814
Ion Ratio Lower Upper
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94 13.6 6.7 10.1
80 14.7 7.5 11.3

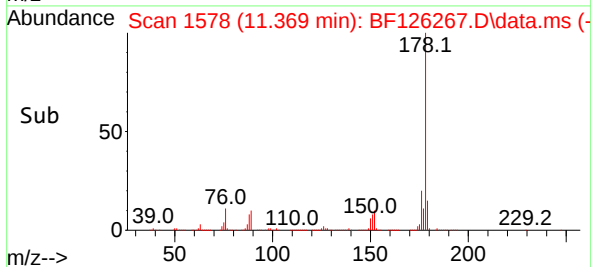
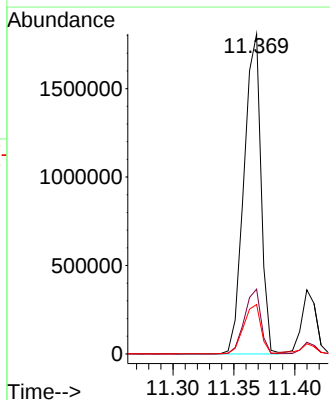
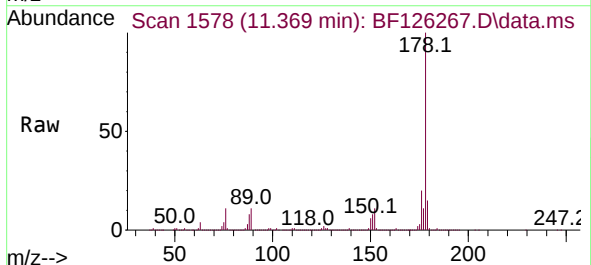
Manual Integrations
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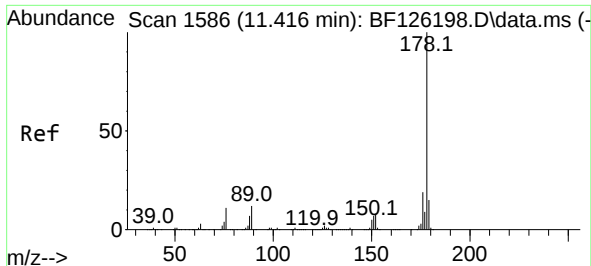
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#71
Phenanthrene
Concen: 50.998 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

Tgt Ion:178 Resp: 1757811
Ion Ratio Lower Upper
178 100
176 20.3 14.7 22.1
179 15.5 11.5 17.3





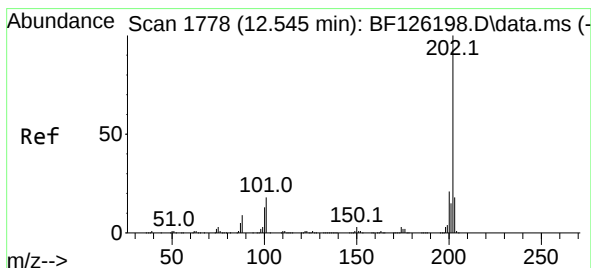
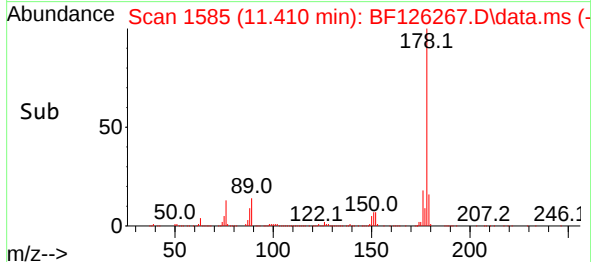
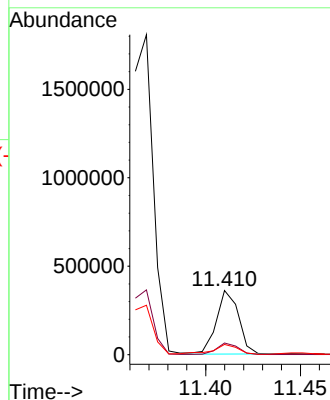
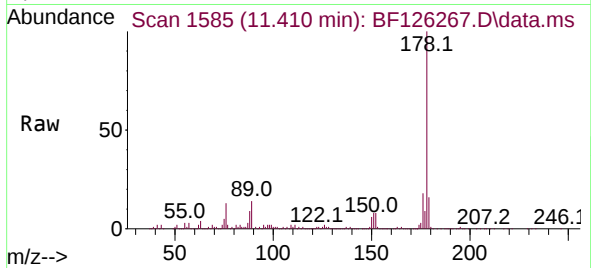
#72
 Anthracene
 Concen: 8.527 ng
 RT: 11.410 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-G

Tgt Ion:178 Resp: 29499
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.3 21.5
 179 16.0 12.2 18.4

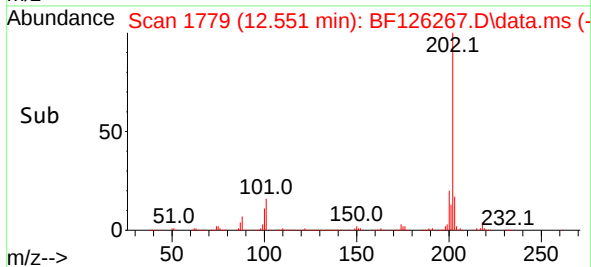
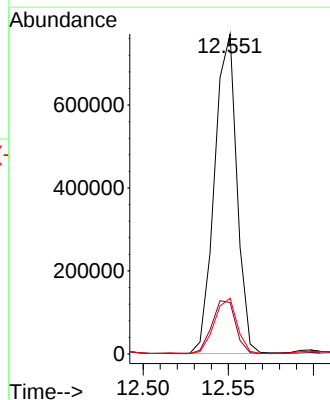
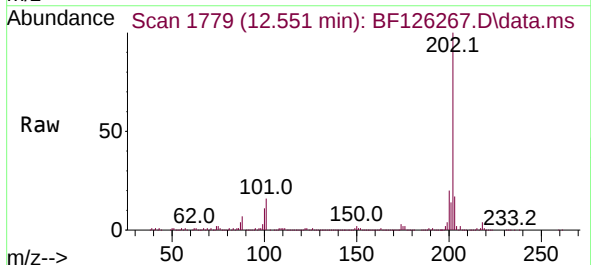
Manual Integrations
 APPROVED

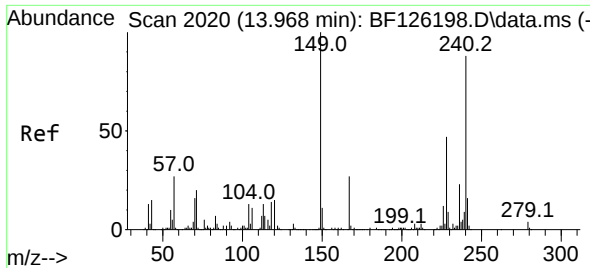
Reviewed By :Christian Giraldo 12/20/2021
 Supervised By :mohammad ahmed 12/29/2021



#75
 Fluoranthene
 Concen: 22.616 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.006 min
 Lab File: BF126267.D
 Acq: 18 Dec 2021 21:59

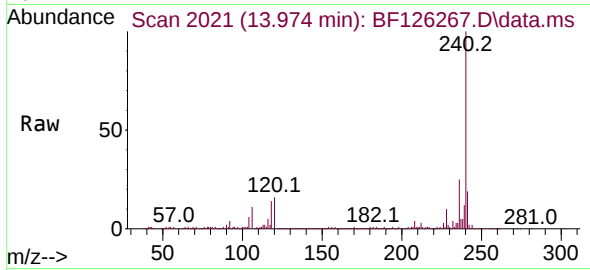
Tgt Ion:202 Resp: 702344
 Ion Ratio Lower Upper
 202 100
 101 16.1 0.0 30.7
 203 17.4 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

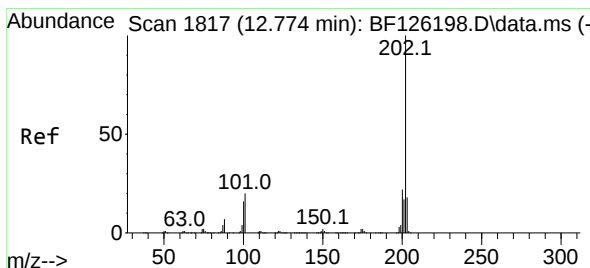
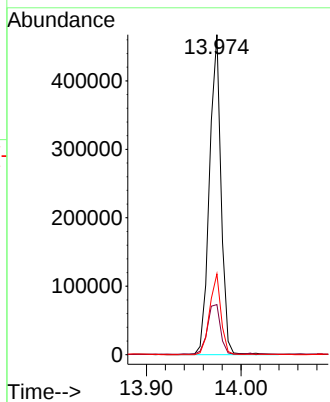
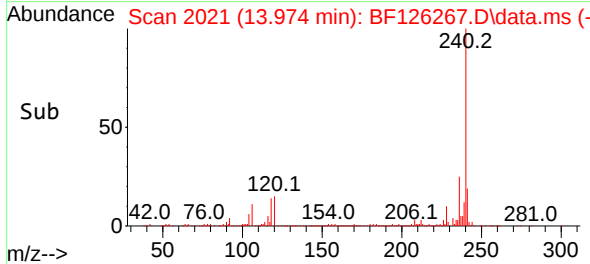
Instrument :
BNA_F
ClientSampleId :
SB-01-G



Tgt Ion:240 Resp: 395699
Ion Ratio Lower Upper
240 100
120 15.6 10.8 16.2
236 25.2 21.6 32.4

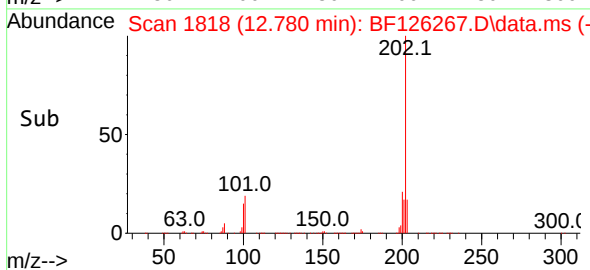
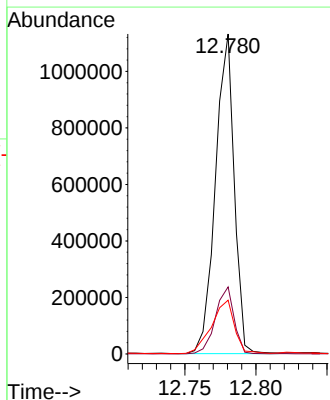
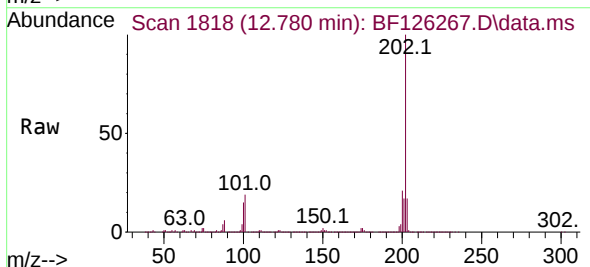
Manual Integrations
APPROVED

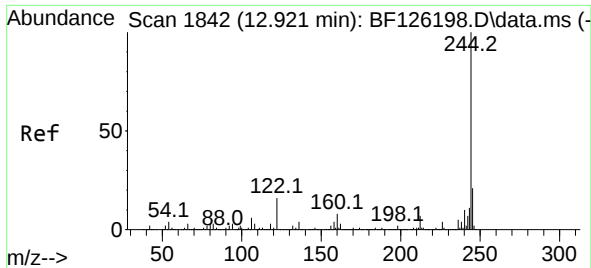
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#78
Pyrene
Concen: 28.544 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

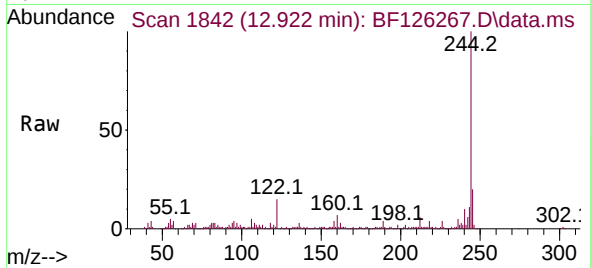
Tgt Ion:202 Resp: 1037665
Ion Ratio Lower Upper
202 100
200 21.0 15.3 22.9
203 16.8 13.4 20.0





#79
Terphenyl-d14
Concen: 7.396 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

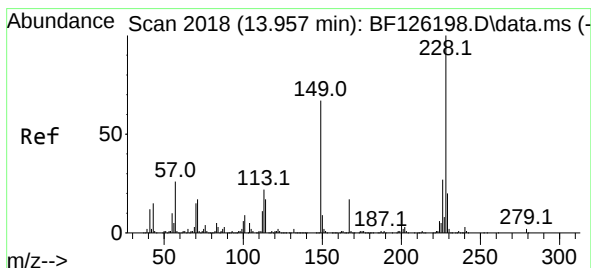
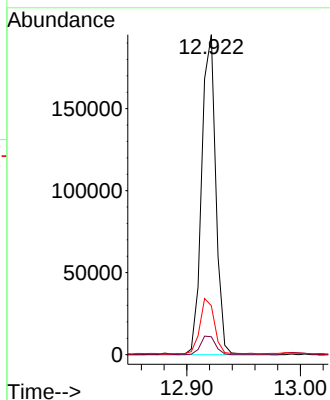
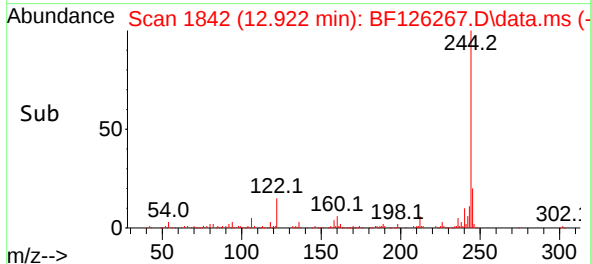
Instrument :
BNA_F
ClientSampleId :
SB-01-G



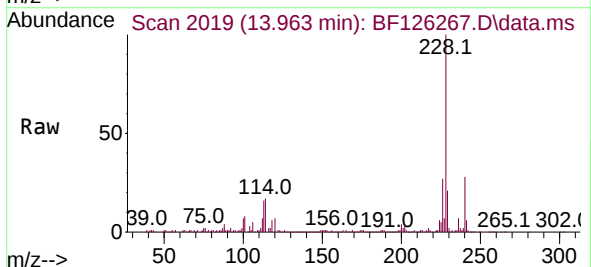
Tgt Ion:244 Resp: 16838
Ion Ratio Lower Upper
244 100
212 5.6 5.9 8.9
122 15.3 9.0 13.4

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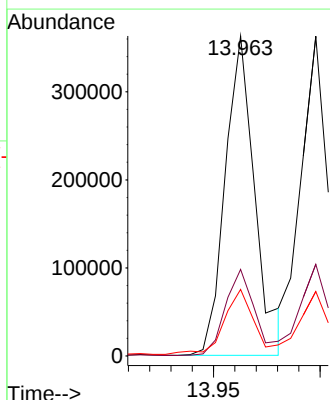
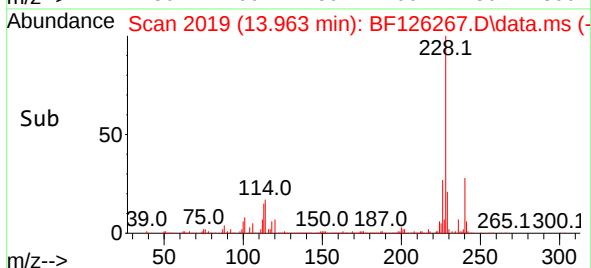
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

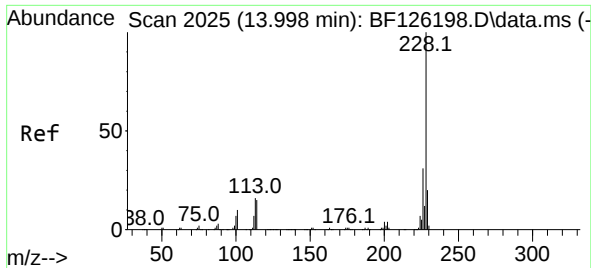


#81
Benzo(a)anthracene
Concen: 14.962 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



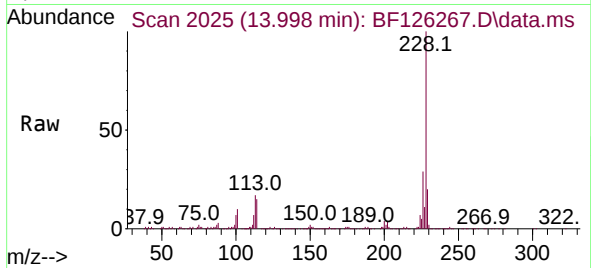
Tgt Ion:228 Resp: 350690
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 20.8 15.6 23.4





#83
Chrysene
Concen: 12.993 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

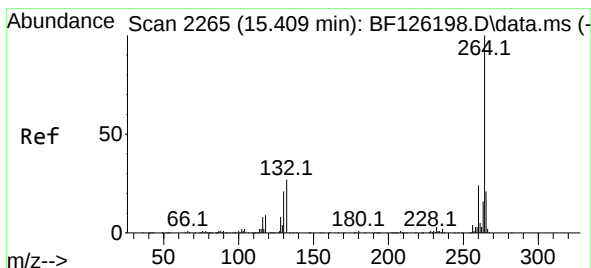
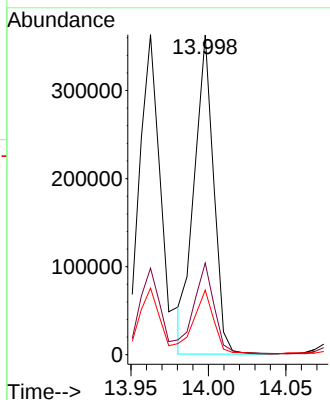
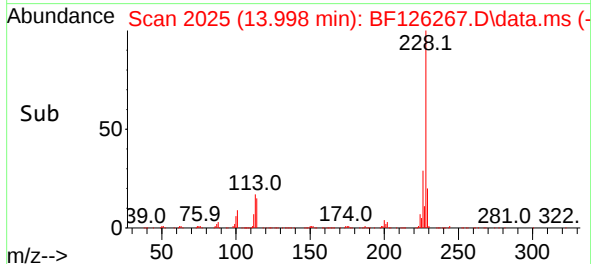
Instrument :
BNA_F
ClientSampleId :
SB-01-G



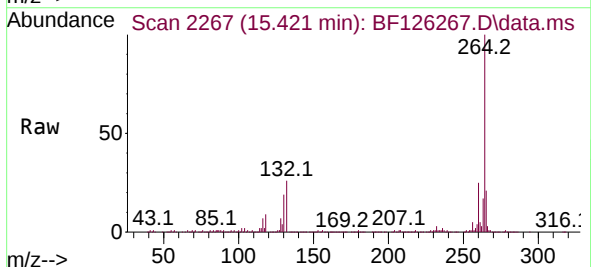
Tgt Ion:228 Resp: 316430
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 20.2 15.9 23.9

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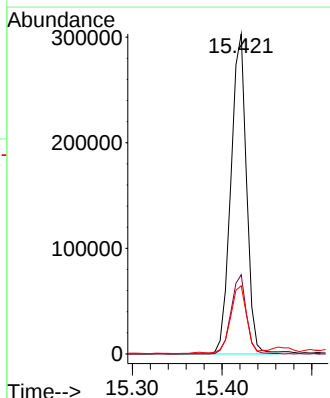
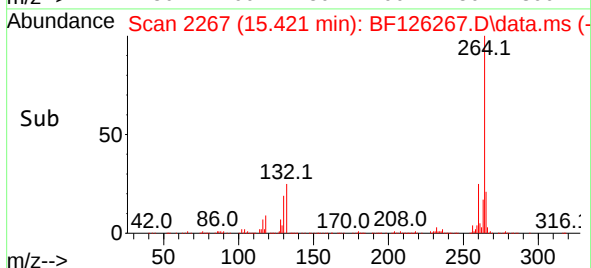
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

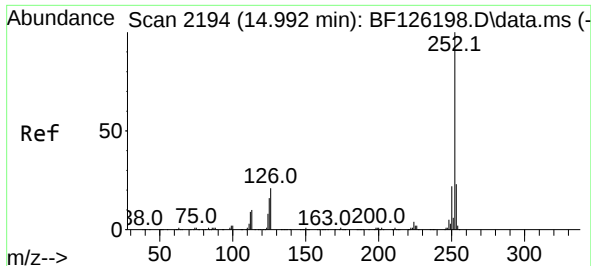


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59



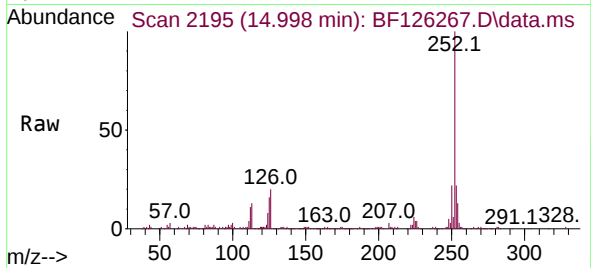
Tgt Ion:264 Resp: 367194
Ion Ratio Lower Upper
264 100
260 24.7 19.6 29.4
265 21.3 17.2 25.8





#88
Benzo(b)fluoranthene
Concen: 9.733 ng m
RT: 14.998 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

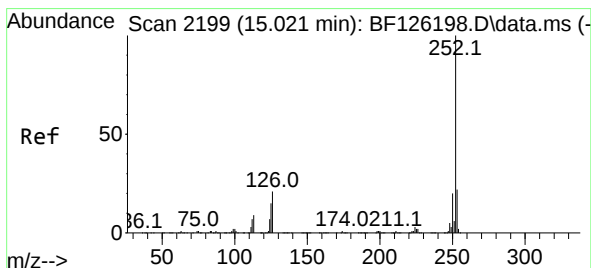
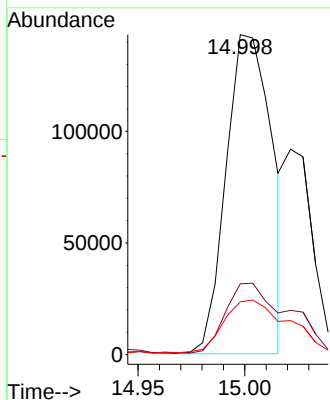
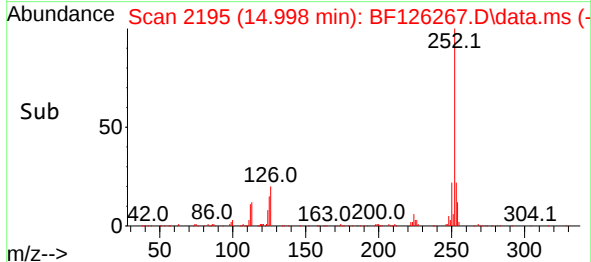
Instrument :
BNA_F
ClientSampleId :
SB-01-G



Tgt Ion:252 Resp: 21474
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 16.5 9.8 14.8

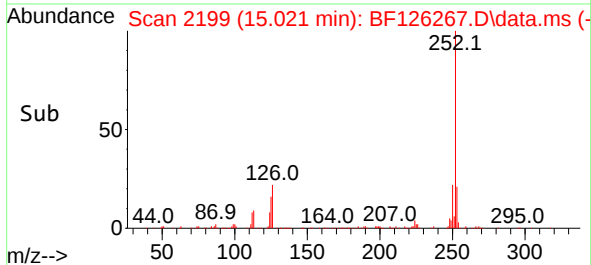
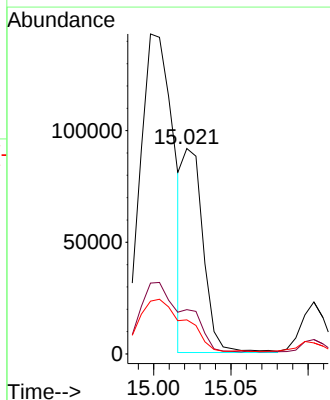
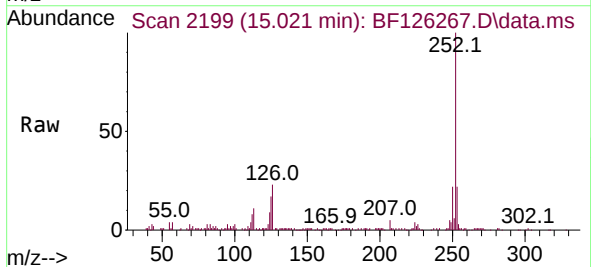
Manual Integrations
APPROVED

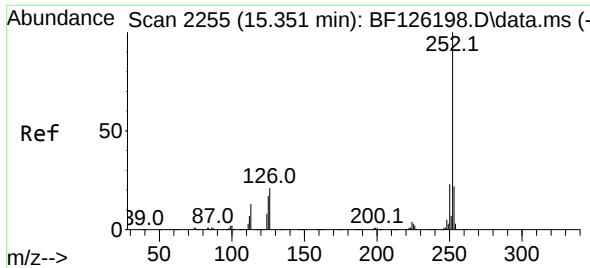
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#89
Benzo(k)fluoranthene
Concen: 3.966 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

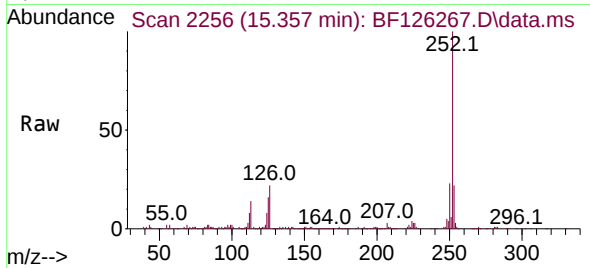
Tgt Ion:252 Resp: 83701
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 16.6 7.2 10.8





#90
Benzo(a)pyrene
Concen: 9.416 ng
RT: 15.357 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

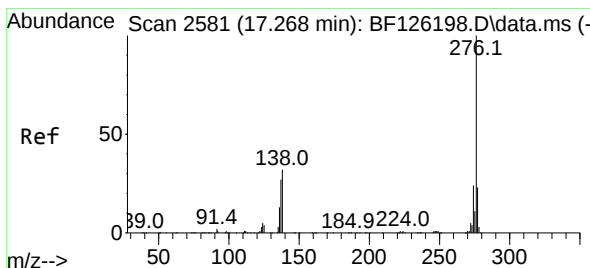
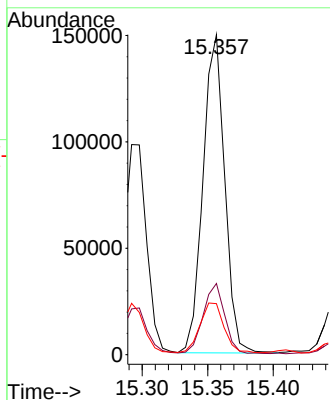
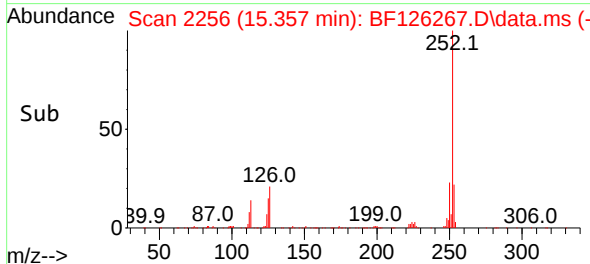
Instrument :
BNA_F
ClientSampleId :
SB-01-G



Tgt Ion:252 Resp: 17266
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 16.0 9.9 14.9

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



#92
Benzo(g,h,i)perylene
Concen: 3.185 ng
RT: 17.262 min Scan# 2580
Delta R.T. -0.006 min
Lab File: BF126267.D
Acq: 18 Dec 2021 21:59

Tgt Ion:276 Resp: 65615
Ion Ratio Lower Upper
276 100
277 23.1 22.0 33.0
138 30.9 22.2 33.4

