

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126265.D
 Acq On : 18 Dec 2021 20:54
 Operator : JU/CG
 Sample : M5168-03 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-C

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 08:04:27 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	216946	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	915274	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	412174	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	591051	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	332364	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	318773	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	6680	0.453	ng	-0.01
7) Phenol-d6	6.428	99	65387	3.496	ng	-0.02
23) Nitrobenzene-d5	7.369	82	90692	5.366	ng	-0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.175	172	160006	6.809	ng	0.00
79) Terphenyl-d14	12.921	244	108824	5.691	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.910	142	60391	2.361	ng	94
52) Acenaphthene	9.886	154	116828	5.142	ng	99
58) Fluorene	10.398	166	108925	4.864	ng	97
71) Phenanthrene	11.369	178	1918607	62.893	ng	96
72) Anthracene	11.410	178	367579	12.005	ng	99
75) Fluoranthene	12.551	202	1063605	38.697	ng	91
78) Pyrene	12.780	202	1512462	49.532	ng	95
81) Benzo(a)anthracene	13.963	228	539657	27.411	ng	98
83) Chrysene	13.998	228	495440	24.221	ng	100
87) Indeno(1,2,3-cd)pyrene	16.839	276	114109	5.367	ng	97
88) Benzo(b)fluoranthene	15.004	252	388243m	20.270	ng	
89) Benzo(k)fluoranthene	15.027	252	88404m	4.825	ng	
90) Benzo(a)pyrene	15.357	252	283388	17.802	ng	# 95
92) Benzo(g,h,i)perylene	17.268	276	106139	5.935	ng	# 90

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

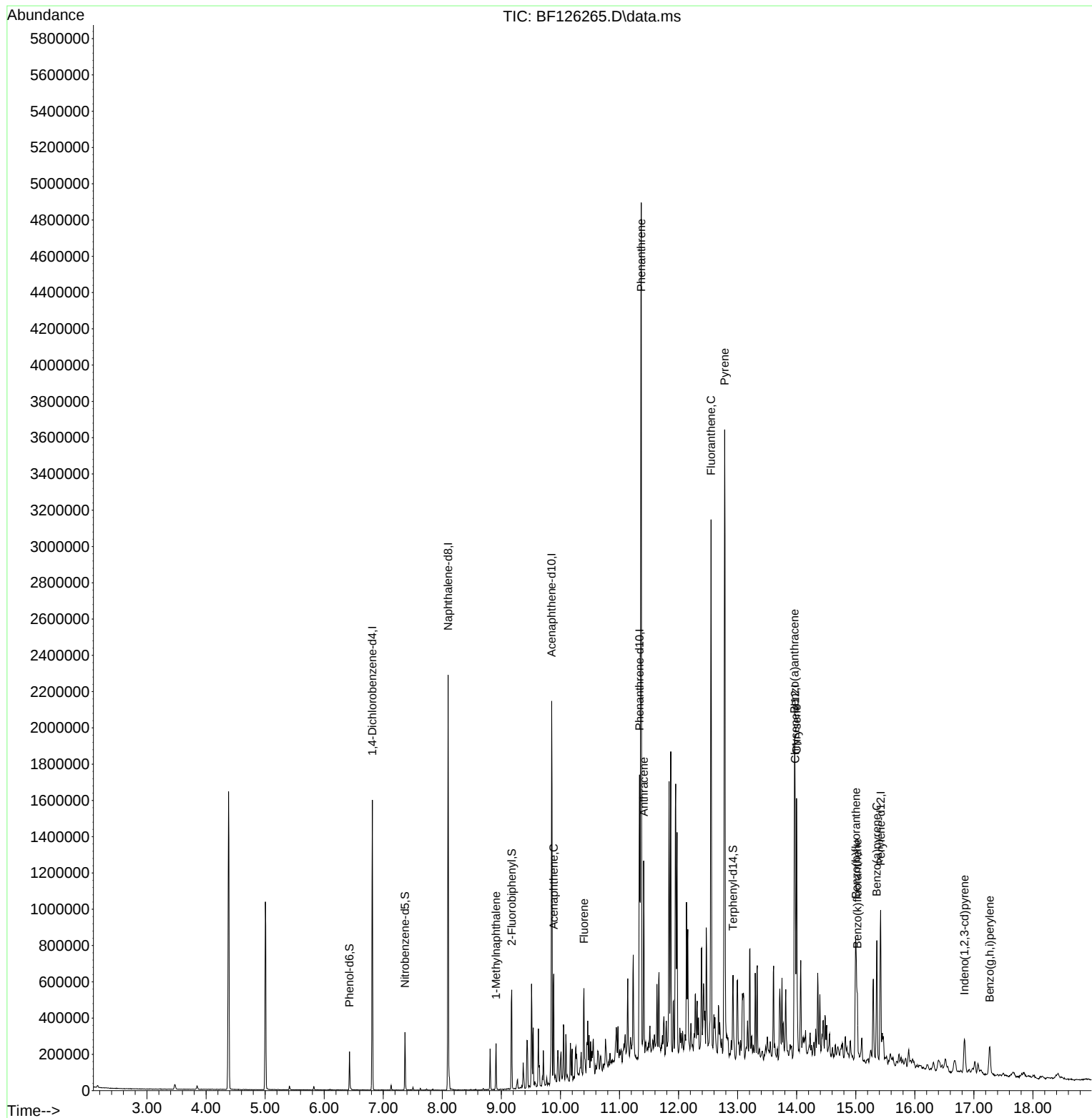
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
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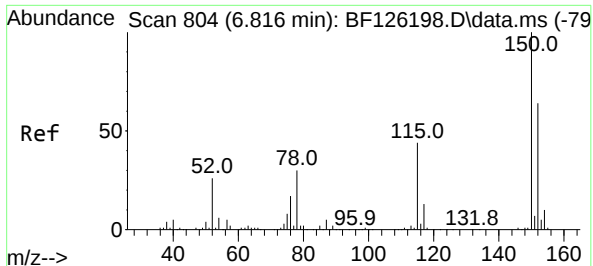
Instrument :
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Quant Time: Dec 20 08:04:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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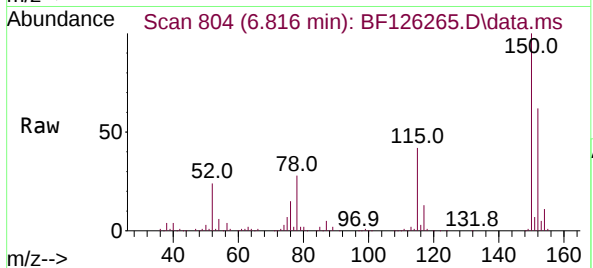
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

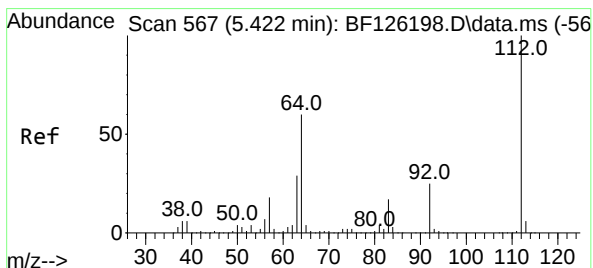
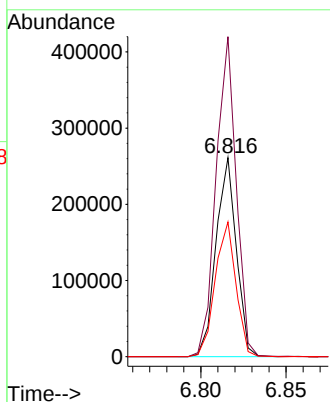
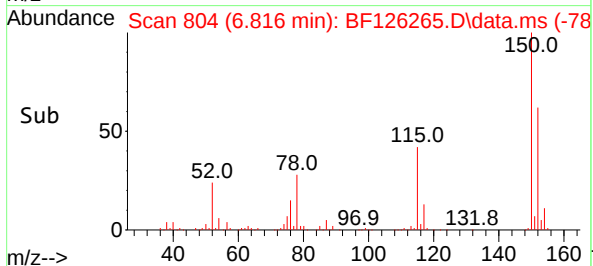
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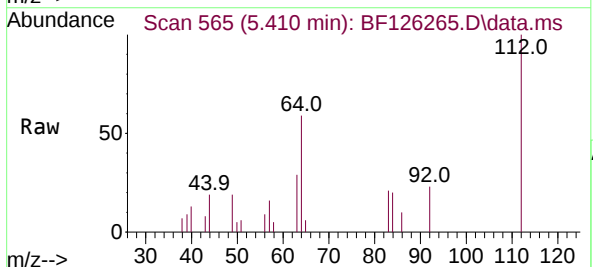
Tgt Ion:152 Resp: 216940
Ion Ratio Lower Upper
152 100
150 160.7 117.6 176.4
115 67.7 47.1 70.7

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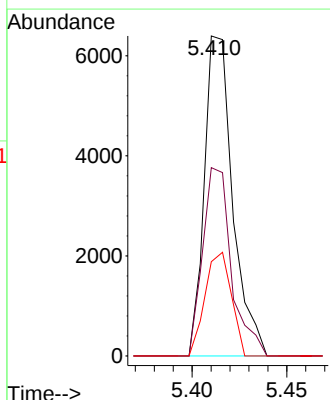
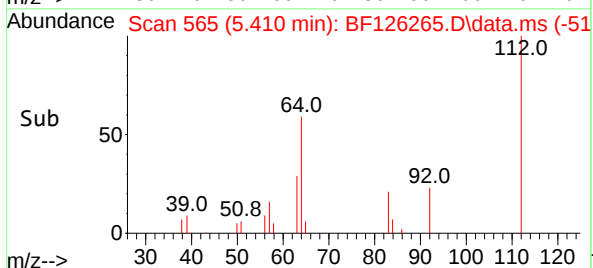
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

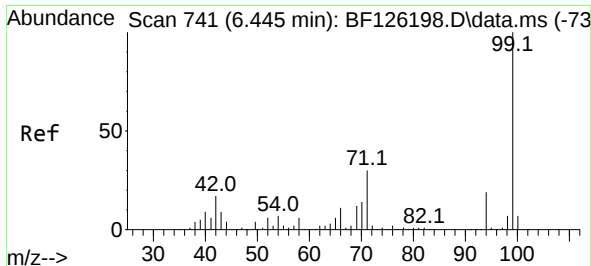


#5
2-Fluorophenol
Concen: 0.453 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54



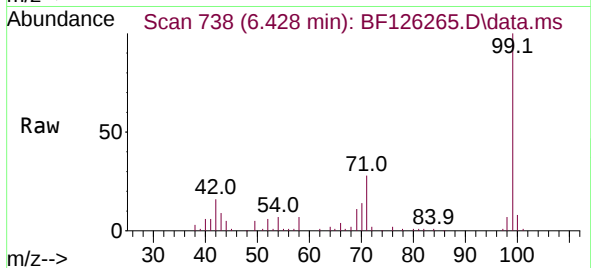
Tgt Ion:112 Resp: 6680
Ion Ratio Lower Upper
112 100
64 58.9 44.2 66.2
63 29.5 26.2 39.2





#7
Phenol-d6
Concen: 3.496 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

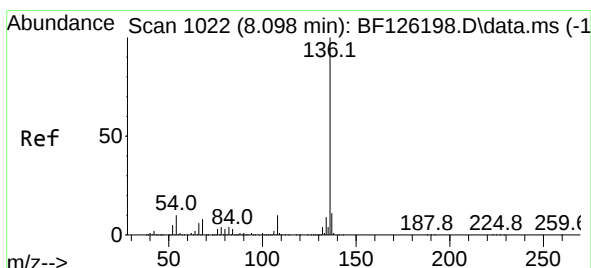
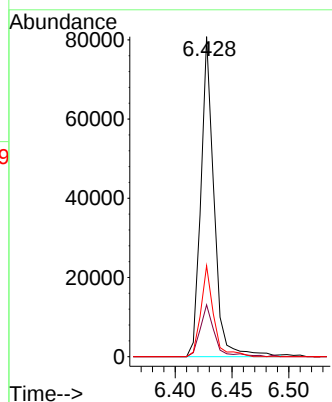
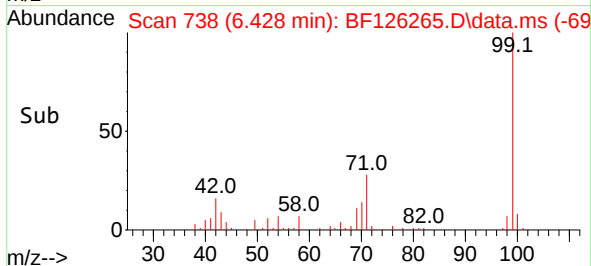
Instrument :
BNA_F
ClientSampleId :
SB-21-C



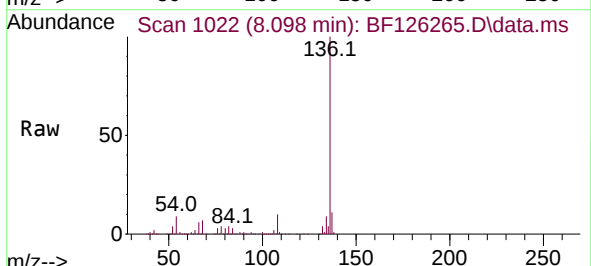
Tgt Ion: 99 Resp: 6538
Ion Ratio Lower Upper
99 100
42 16.2 23.5 35.3
71 28.4 25.6 38.4

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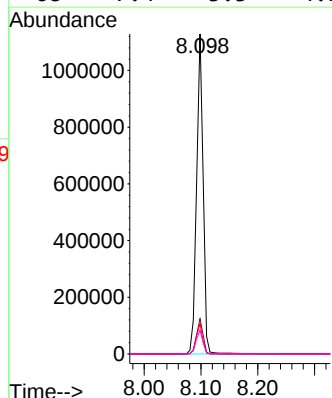
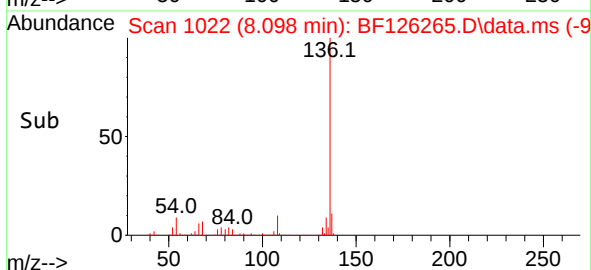
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

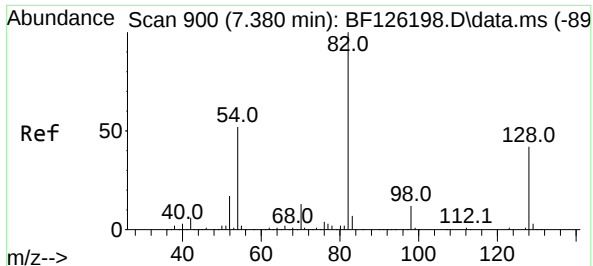


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54



Tgt Ion:136 Resp: 915274
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.4 6.4 9.6
68 7.4 3.3 4.9





#23

Nitrobenzene-d5

Concen: 5.366 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126265.D

Acq: 18 Dec 2021 20:54

Instrument :

BNA_F

ClientSampleId :

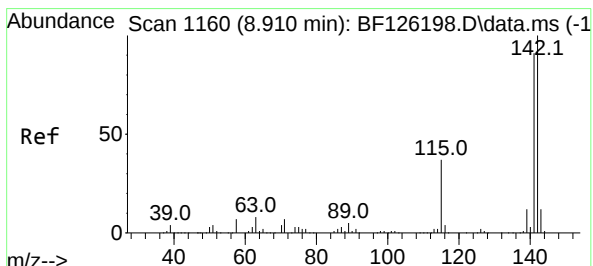
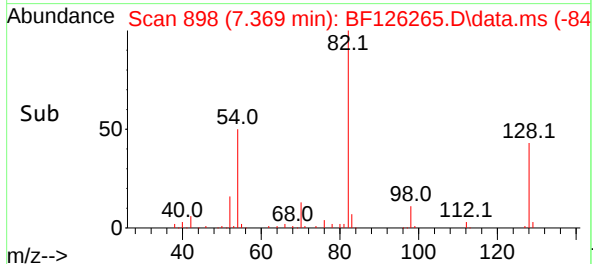
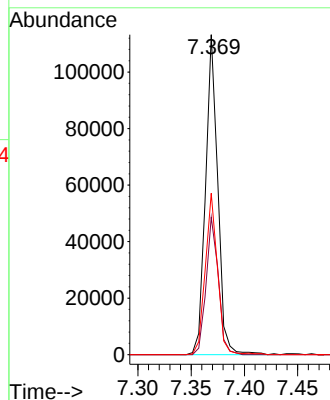
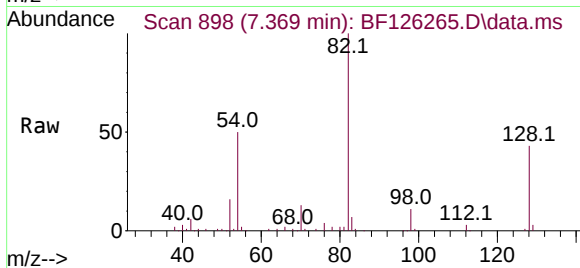
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Tgt Ion: 82 Resp: 90692

Ion	Ratio	Lower	Upper
82	100		
128	42.9	40.6	60.8
54	50.4	49.6	74.4

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#38

1-Methylnaphthalene

Concen: 2.361 ng

RT: 8.910 min Scan# 1160

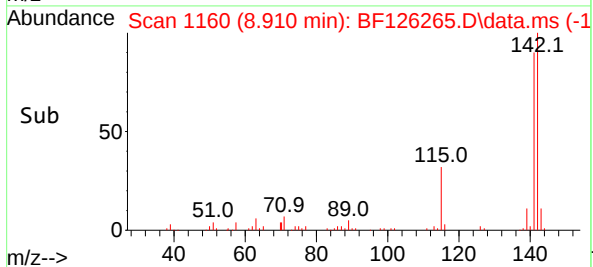
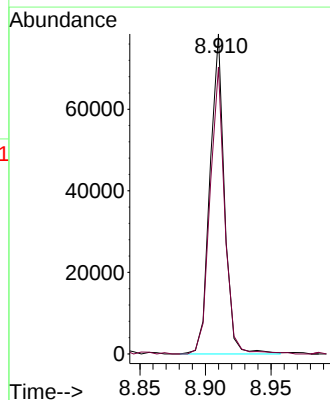
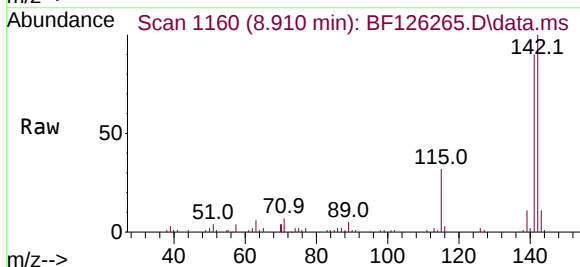
Delta R.T. 0.000 min

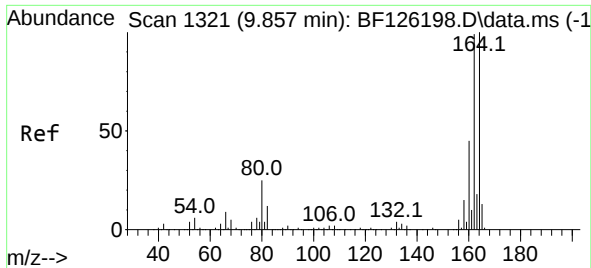
Lab File: BF126265.D

Acq: 18 Dec 2021 20:54

Tgt Ion:142 Resp: 60391

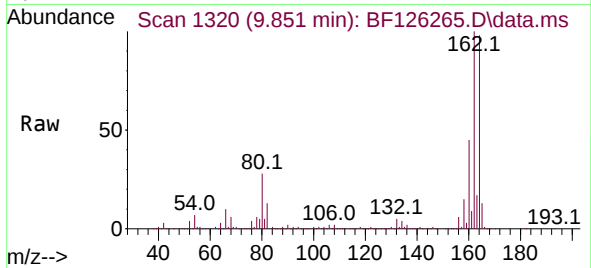
Ion	Ratio	Lower	Upper
142	100		
141	89.6	76.0	114.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

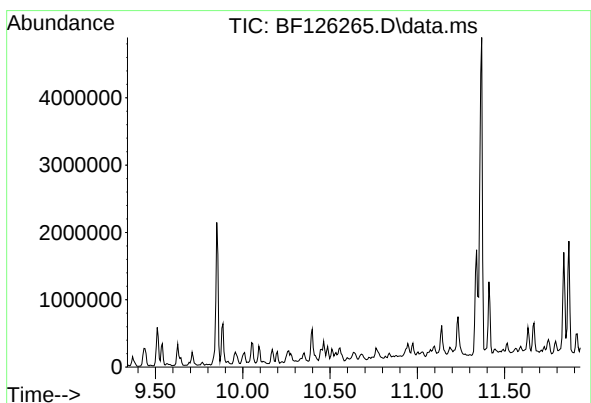
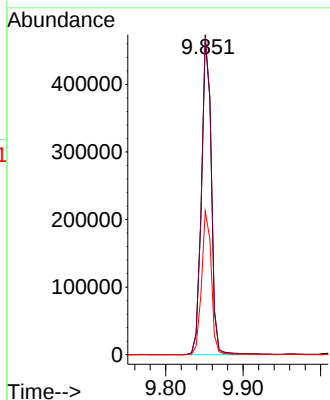
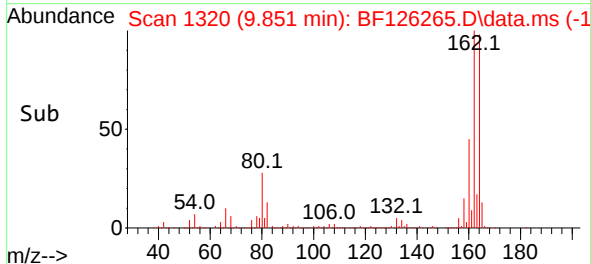
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:164 Resp: 412174
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 45.6 38.0 57.0

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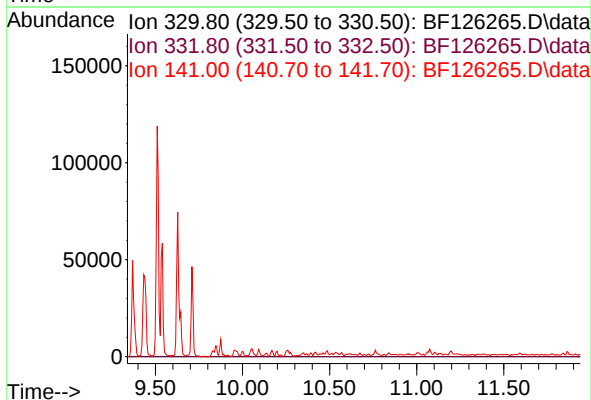
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

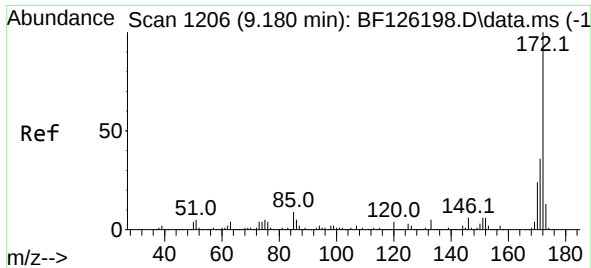


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.64 min

Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

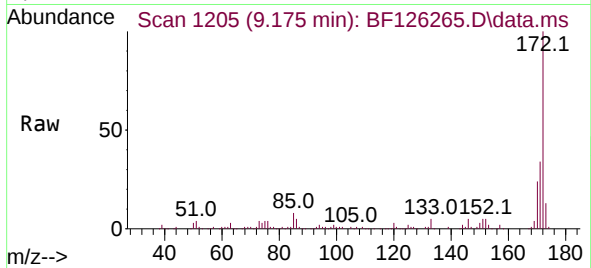
Tgt Ion: 330
Sig Exp Ratio
330 100
332 95.3
141 55.7





#45
2-Fluorobiphenyl
Concen: 6.809 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

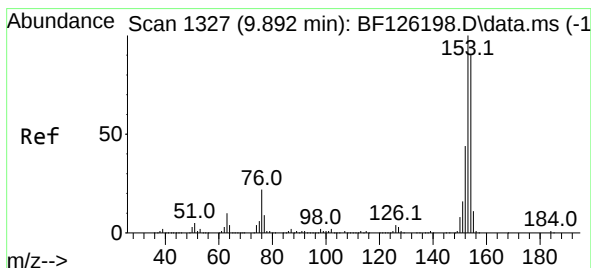
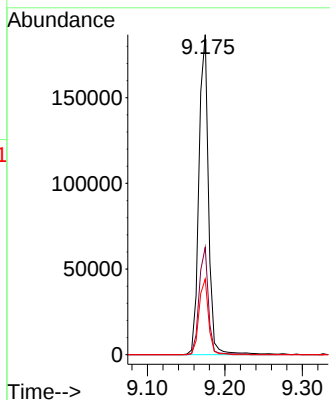
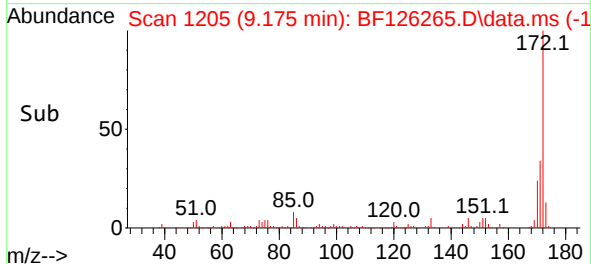
Instrument :
BNA_F
ClientSampleId :
SB-21-C



Tgt Ion:172 Resp: 160000
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 23.7 18.8 28.2

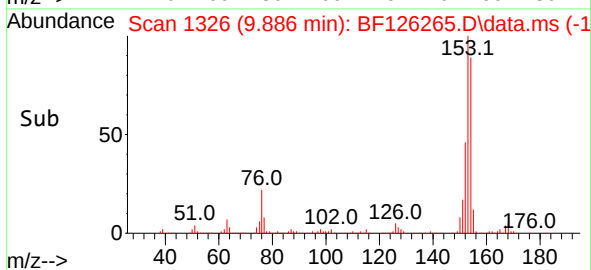
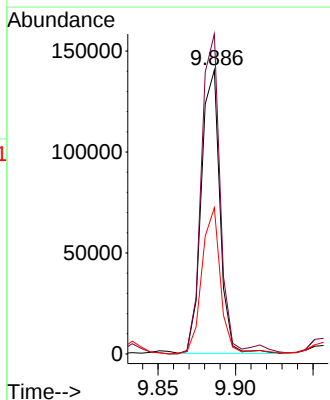
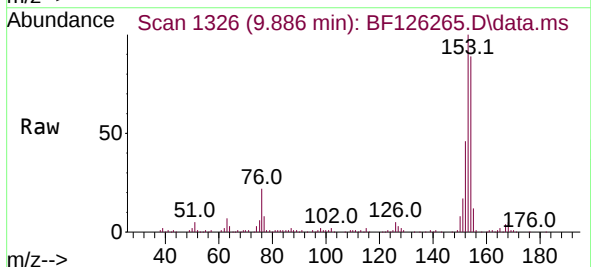
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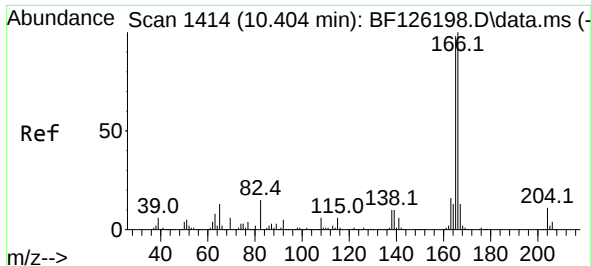
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#52
Acenaphthene
Concen: 5.142 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

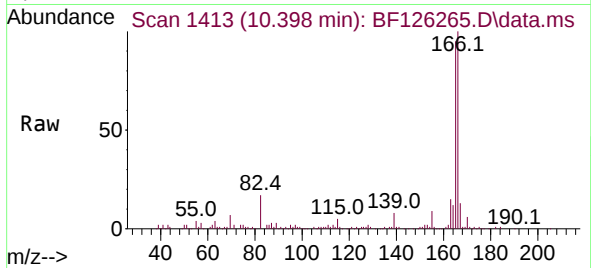
Tgt Ion:154 Resp: 116828
Ion Ratio Lower Upper
154 100
153 112.8 89.4 134.2
152 51.5 40.5 60.7





#58
Fluorene
Concen: 4.864 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

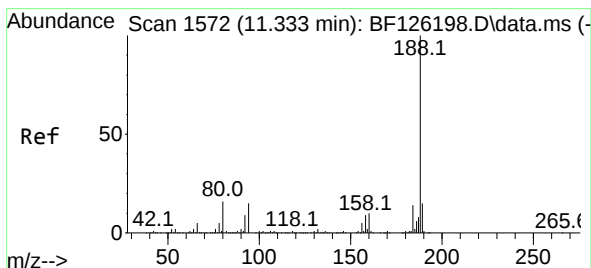
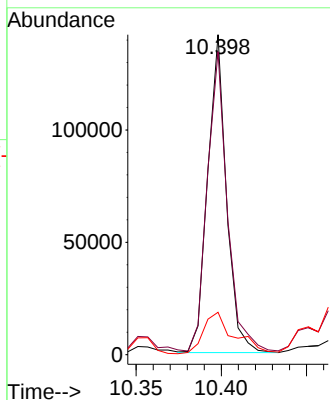
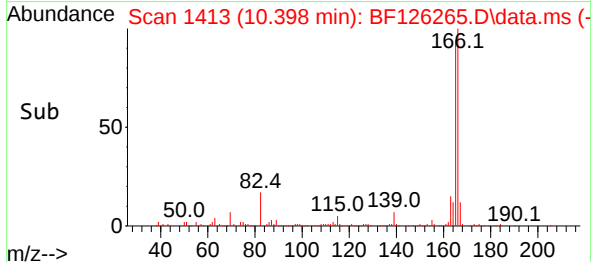
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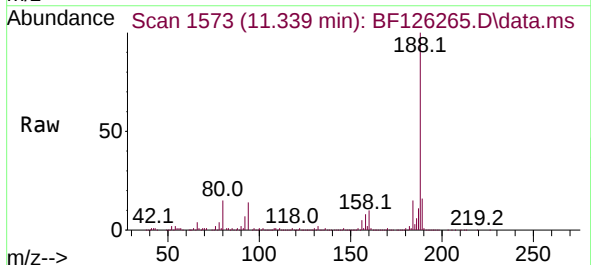
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Ion Ratio Lower Upper
166 100
165 94.7 78.1 117.1
167 13.3 11.1 16.7

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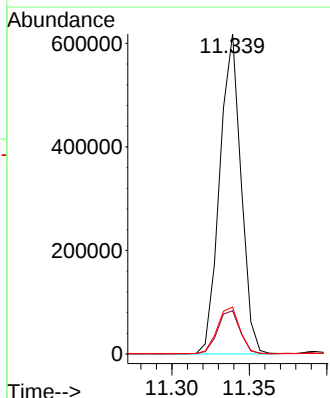
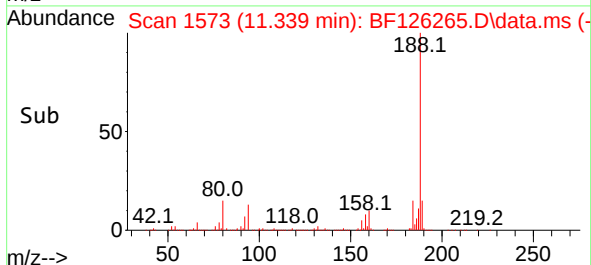
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

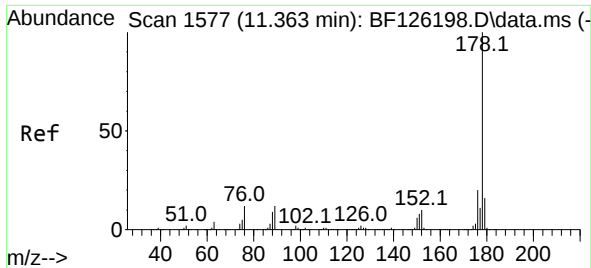


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54



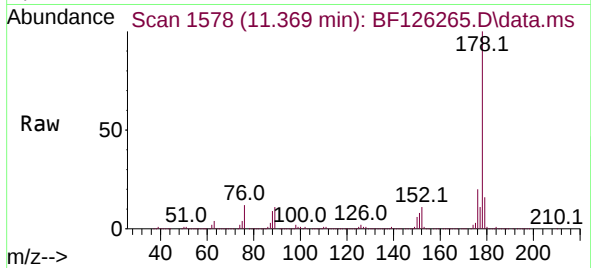
Tgt Ion:188 Resp: 591051
Ion Ratio Lower Upper
188 100
94 13.5 6.7 10.1#
80 14.7 7.5 11.3#





#71
Phenanthrene
Concen: 62.893 ng
RT: 11.369 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

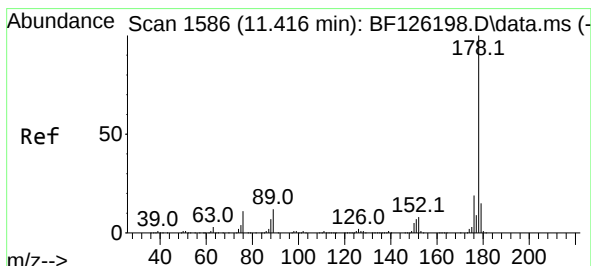
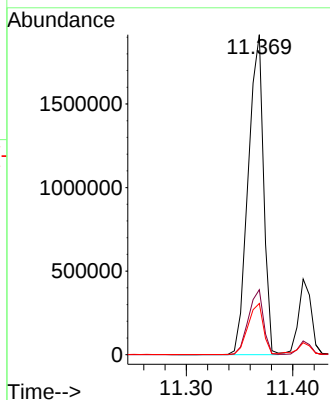
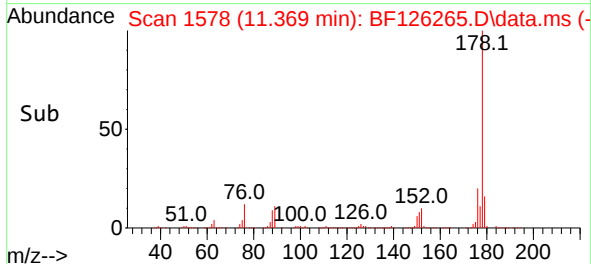
Instrument :
BNA_F
ClientSampleId :
SB-21-C



Tgt Ion:178 Resp: 191860
Ion Ratio Lower Upper
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176 20.3 14.7 22.1
179 16.0 11.5 17.3

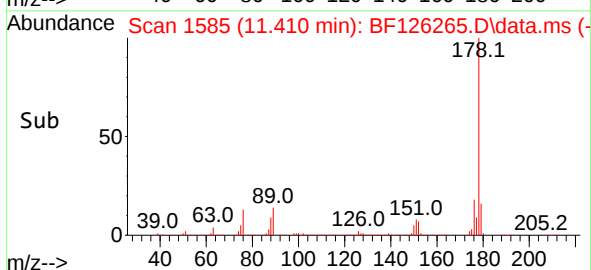
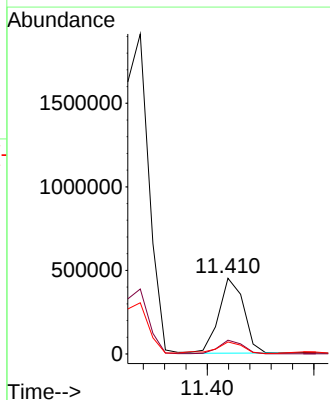
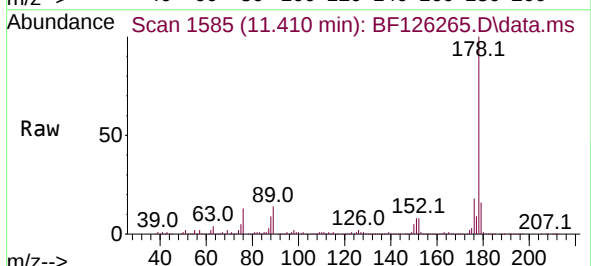
Manual Integrations
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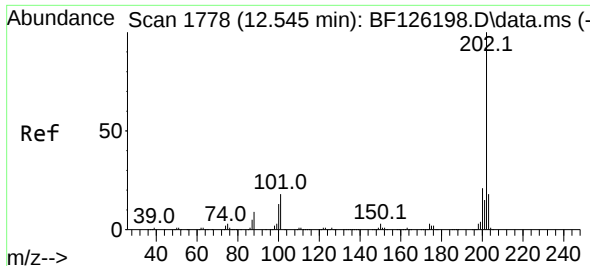
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#72
Anthracene
Concen: 12.005 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

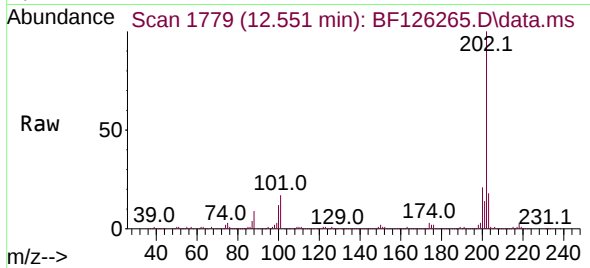
Tgt Ion:178 Resp: 367579
Ion Ratio Lower Upper
178 100
176 18.3 14.3 21.5
179 15.9 12.2 18.4





#75
Fluoranthene
Concen: 38.697 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

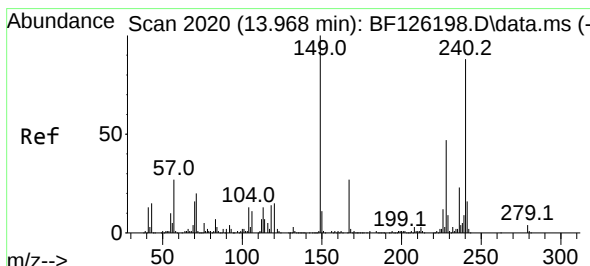
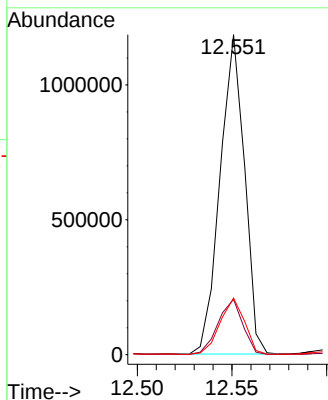
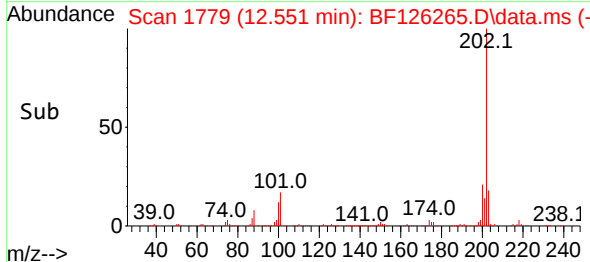
Instrument :
BNA_F
ClientSampleId :
SB-21-C



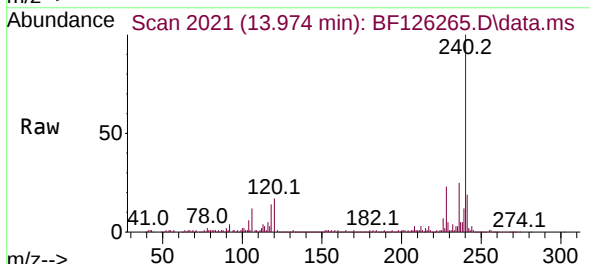
Tgt Ion:202 Resp: 106360
Ion Ratio Lower Upper
202 100
101 17.3 0.0 30.7
203 17.7 0.0 36.3

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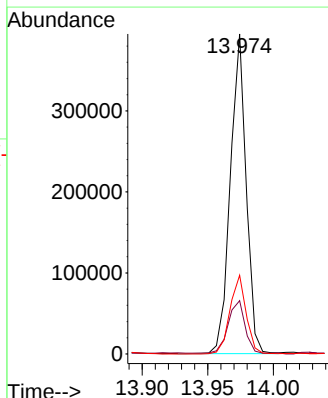
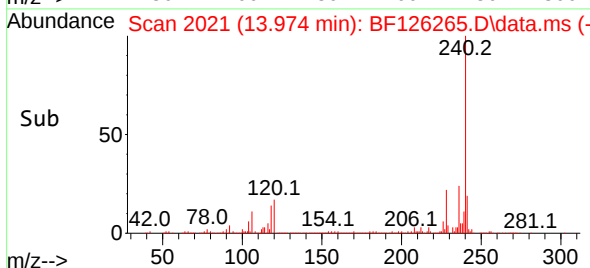
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

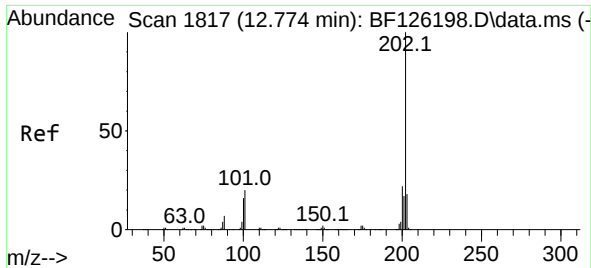


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54



Tgt Ion:240 Resp: 332364
Ion Ratio Lower Upper
240 100
120 16.6 10.8 16.2#
236 24.6 21.6 32.4





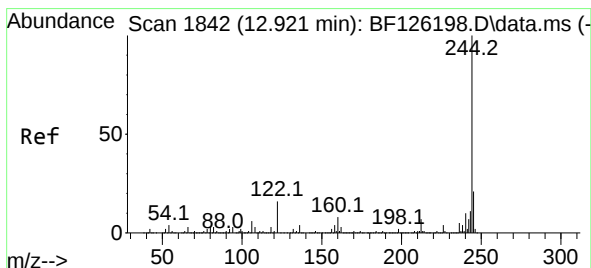
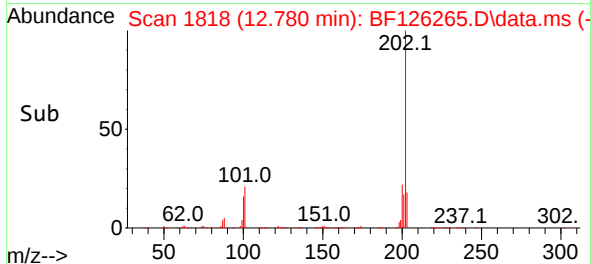
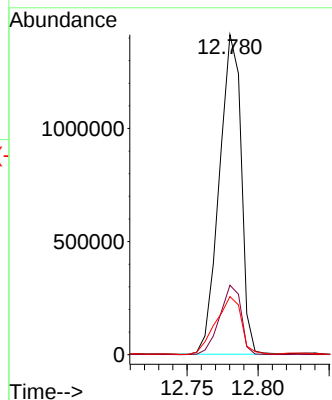
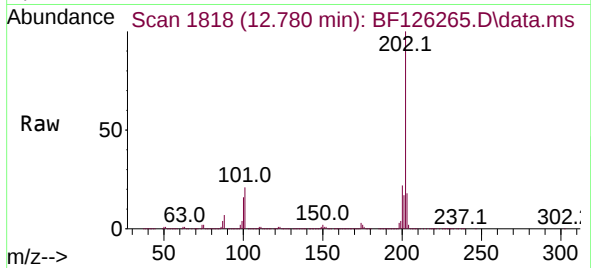
#78
Pyrene
Concen: 49.532 ng
RT: 12.780 min Scan# 1817
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

Instrument :
BNA_F
ClientSampleId :
SB-21-C

Tgt Ion:202 Resp: 151246
Ion Ratio Lower Upper
202 100
200 21.7 15.3 22.9
203 18.1 13.4 20.0

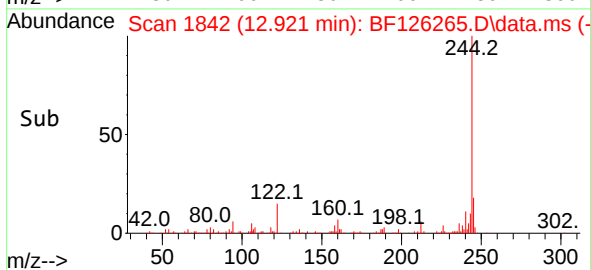
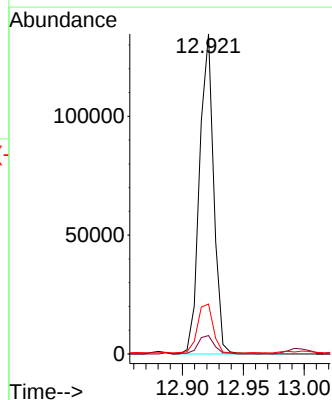
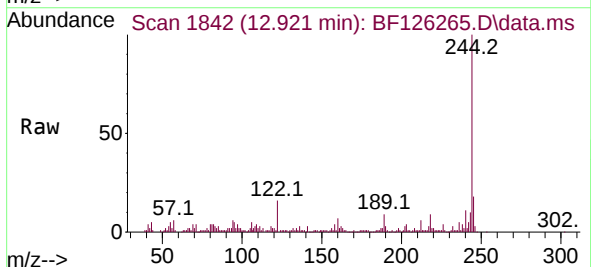
Manual Integrations
APPROVED

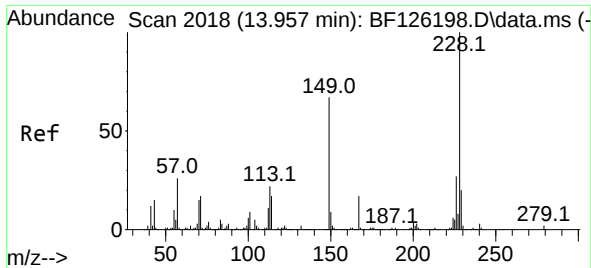
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#79
Terphenyl-d14
Concen: 5.691 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

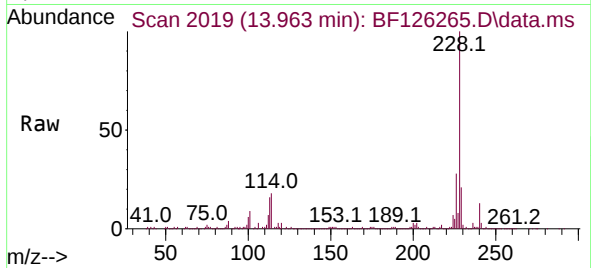
Tgt Ion:244 Resp: 108824
Ion Ratio Lower Upper
244 100
212 5.7 5.9 8.9#
122 15.6 9.0 13.4#





#81
Benzo(a)anthracene
Concen: 27.411 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

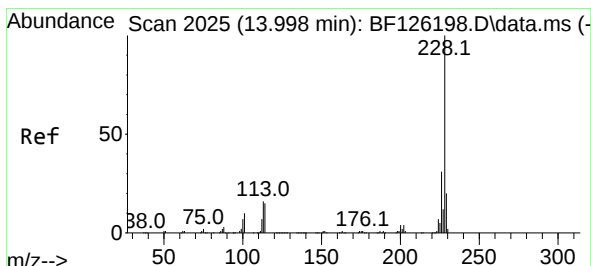
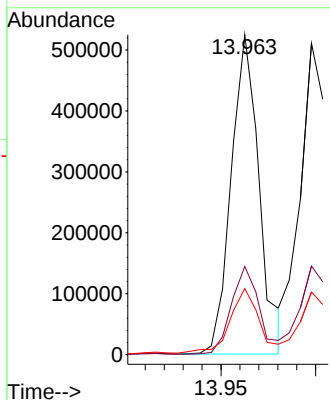
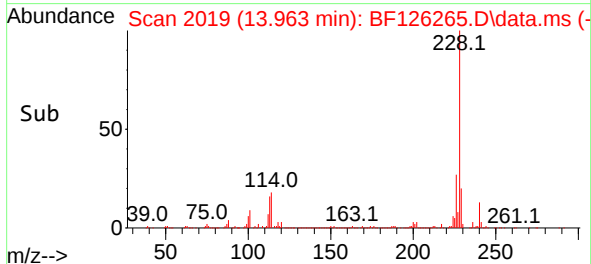
Instrument :
BNA_F
ClientSampleId :
SB-21-C



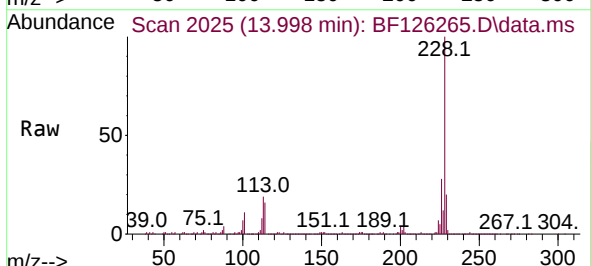
Tgt Ion:228 Resp: 53965
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.6 15.6 23.4

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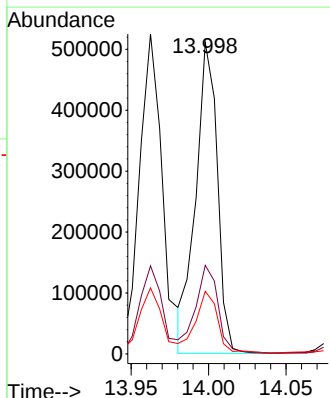
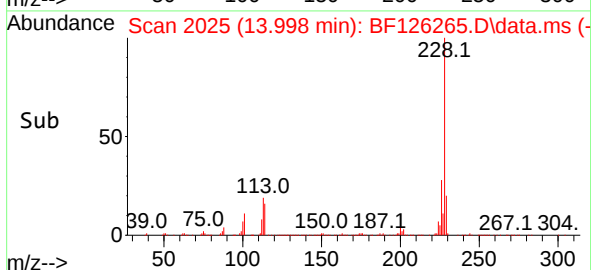
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

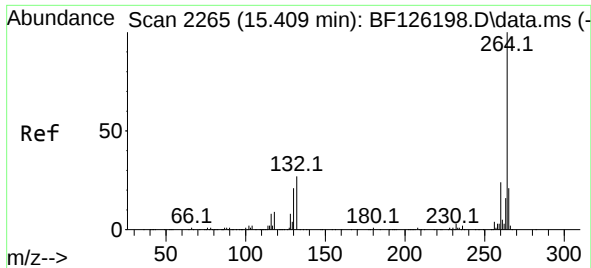


#83
Chrysene
Concen: 24.221 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54



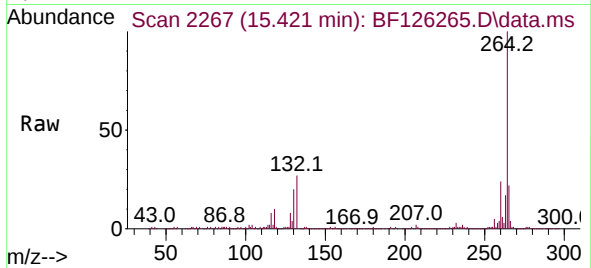
Tgt Ion:228 Resp: 495440
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 20.1 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

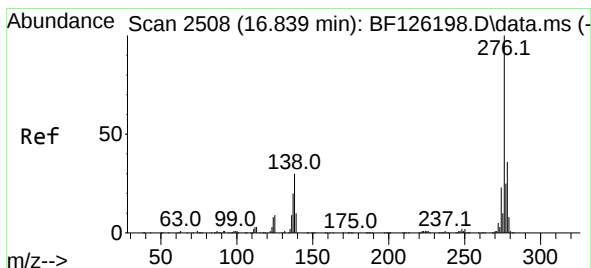
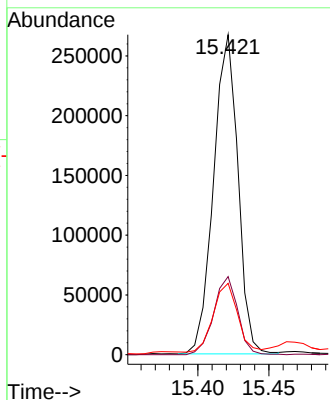
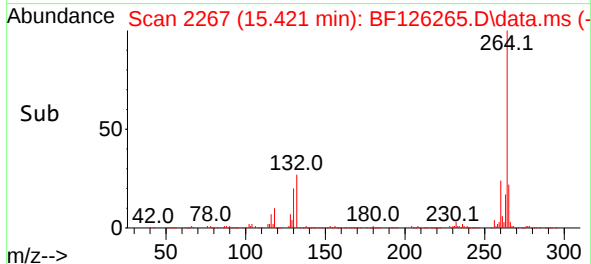
Instrument :
BNA_F
ClientSampleId :
SB-21-C



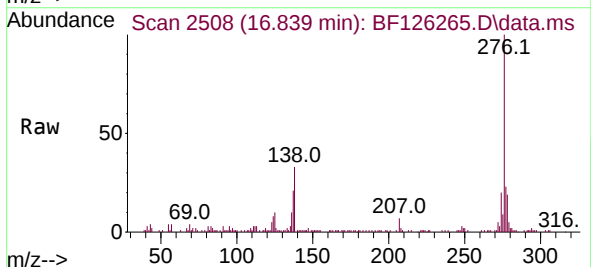
Tgt Ion:264 Resp: 31877
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 22.3 17.2 25.8

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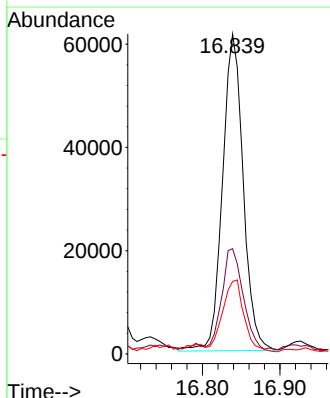
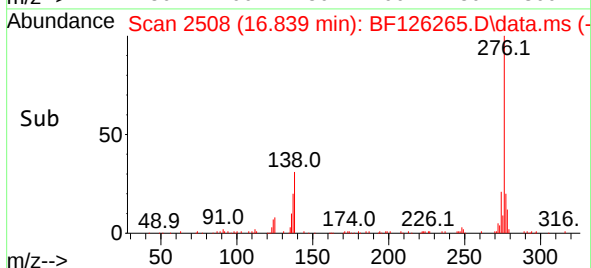
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021

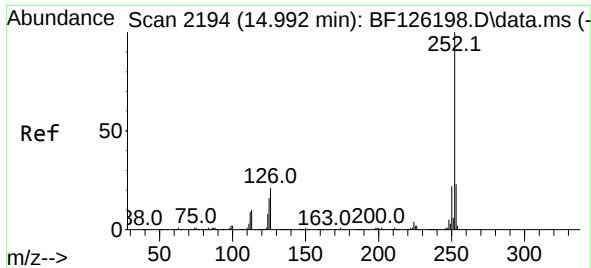


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.367 ng
RT: 16.839 min Scan# 2508
Delta R.T. 0.000 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54



Tgt Ion:276 Resp: 114109
Ion Ratio Lower Upper
276 100
138 32.8 24.1 36.1
277 23.4 18.8 28.2





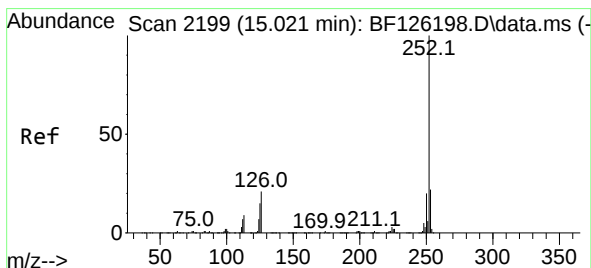
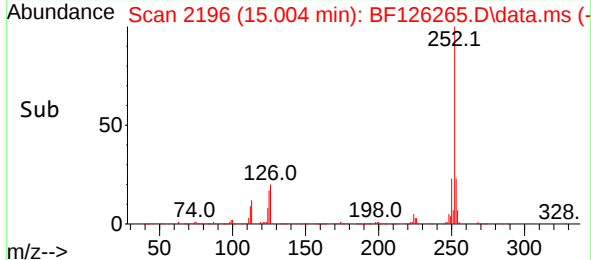
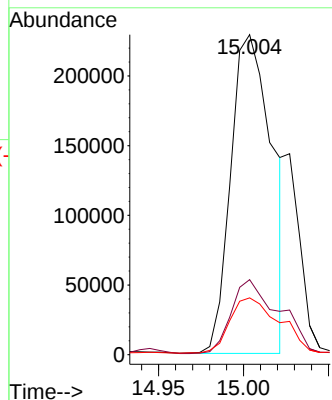
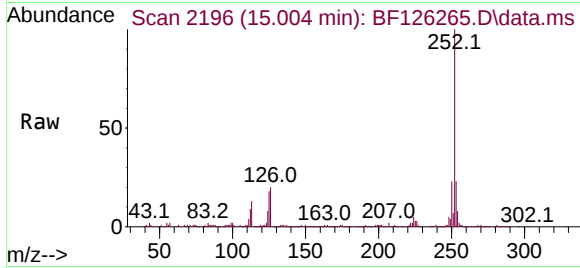
#88
Benzo(b)fluoranthene
Concen: 20.270 ng m
RT: 15.004 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

Instrument :
BNA_F
ClientSampleId :
SB-21-C

Tgt Ion:252 Resp: 38824
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 17.8 9.8 14.8

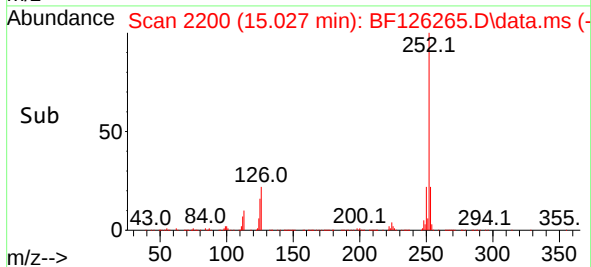
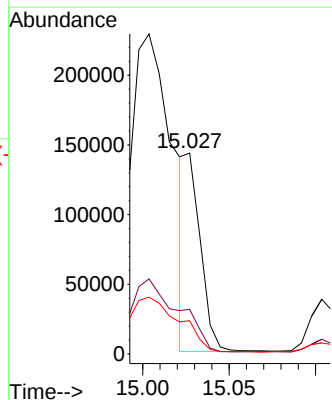
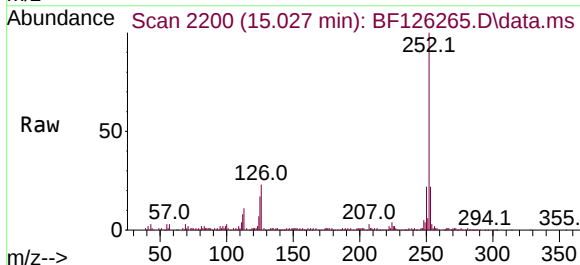
Manual Integrations
APPROVED

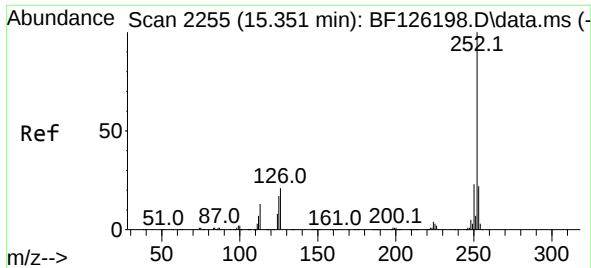
Reviewed By :Christian Giraldo 12/20/2021
Supervised By :mohammad ahmed 12/29/2021



#89
Benzo(k)fluoranthene
Concen: 4.825 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

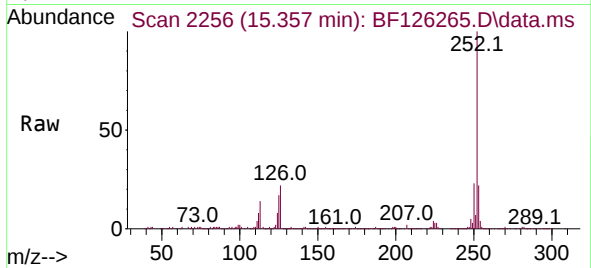
Tgt Ion:252 Resp: 88404
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 16.5 7.2 10.8





#90
Benzo(a)pyrene
Concen: 17.802 ng
RT: 15.357 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

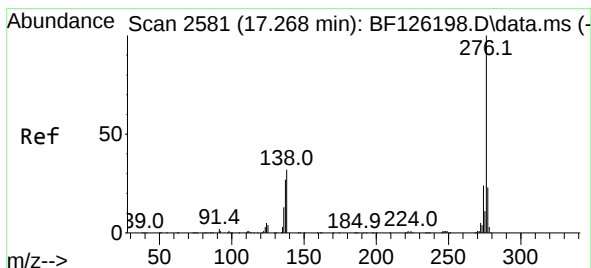
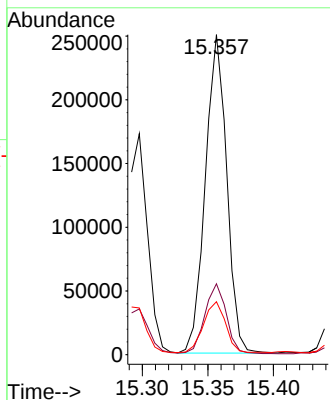
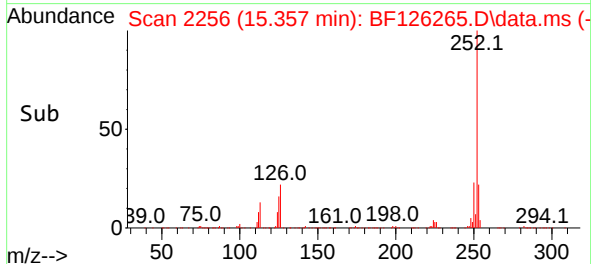
Instrument :
BNA_F
ClientSampleId :
SB-21-C



Tgt Ion:252 Resp: 28338
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 16.6 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: 5.935 ng
RT: 17.268 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BF126265.D
Acq: 18 Dec 2021 20:54

Tgt Ion:276 Resp: 106139
Ion Ratio Lower Upper
276 100
277 22.0 22.0 33.0#
138 32.3 22.2 33.4

