

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126358.D
 Acq On : 27 Dec 2021 16:29
 Operator : JU/CG
 Sample : M5218-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-G2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/28/2021
 Supervised By :mohammad ahmed 12/31/2021

Quant Time: Dec 27 16:53:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	105777	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	417052	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	179623	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	250480	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	198813	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	214583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	432993	60.282	ng	-0.01
7) Phenol-d6	6.434	99	742268	81.386	ng	-0.01
23) Nitrobenzene-d5	7.369	82	459910	59.725	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	58608	40.600	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	674871	65.896	ng	-0.01
79) Terphenyl-d14	12.921	244	512650	44.818	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.110	128	127877	6.557	ng	97
37) 2-Methylnaphthalene	8.804	142	185218	15.421	ng	98
38) 1-Methylnaphthalene	8.904	142	149991	12.868	ng	93
46) 1,1'-Biphenyl	9.269	154	36664	2.761	ng	96
52) Acenaphthene	9.880	154	159844	16.142	ng	98
55) Dibenzofuran	10.051	168	43844	3.252	ng	# 85
58) Fluorene	10.392	166	140601	14.406	ng	99
71) Phenanthrene	11.363	178	1784018	137.996	ng	96
72) Anthracene	11.410	178	331300	25.532	ng	100
75) Fluoranthene	12.551	202	910702	78.186	ng	93
78) Pyrene	12.780	202	1380620	75.587	ng	97
81) Benzo(a)anthracene	13.968	228	570939	48.481	ng	98
83) Chrysene	14.004	228	536776	43.869	ng	98
87) Indeno(1,2,3-cd)pyrene	16.845	276	130727	9.133	ng	100
88) Benzo(b)fluoranthene	15.010	252	406522m	31.530	ng	
89) Benzo(k)fluoranthene	15.027	252	160222m	12.990	ng	
90) Benzo(a)pyrene	15.362	252	351182	32.772	ng	96
91) Dibenzo(a,h)anthracene	16.857	278	44486m	3.823	ng	
92) Benzo(g,h,i)perylene	17.274	276	114308	9.495	ng	92

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

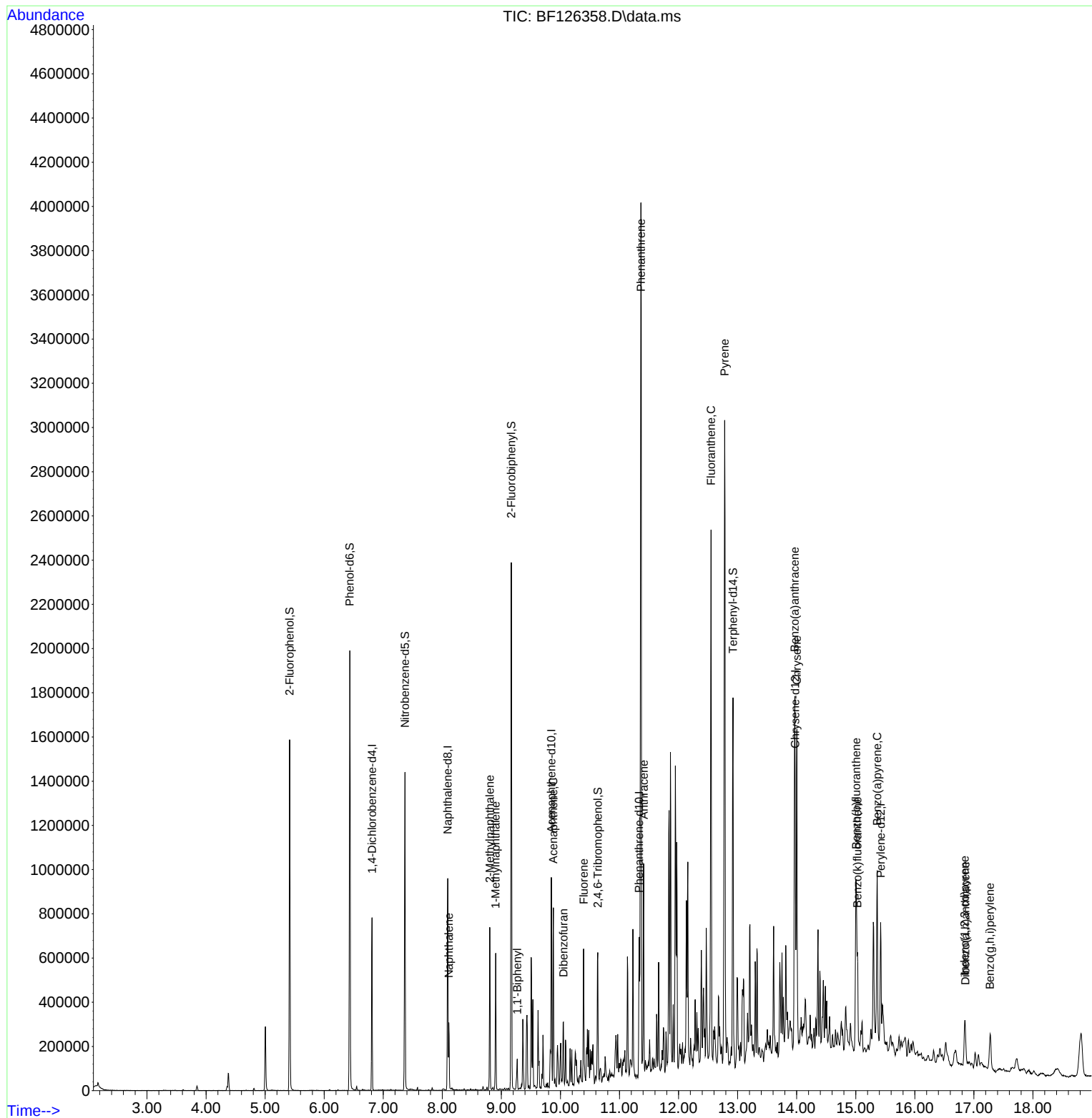
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
Data File : BF126358.D
Acq On : 27 Dec 2021 16:29
Operator : JU/CG
Sample : M5218-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

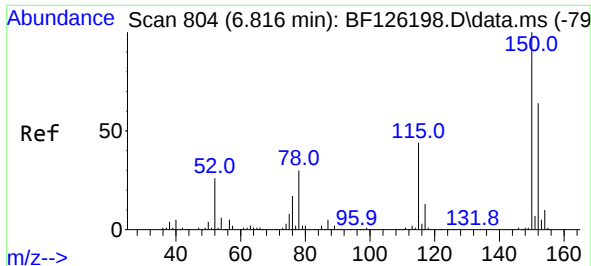
Instrument :
BNA_F
ClientSampleId :
SB-21-G2

Quant Time: Dec 27 16:53:50 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration

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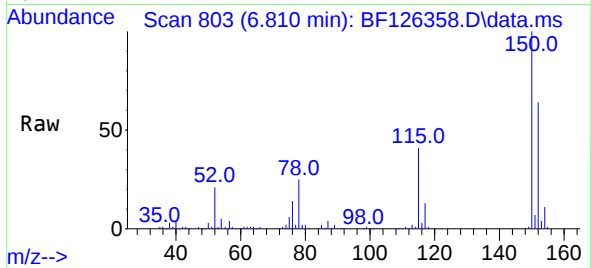
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

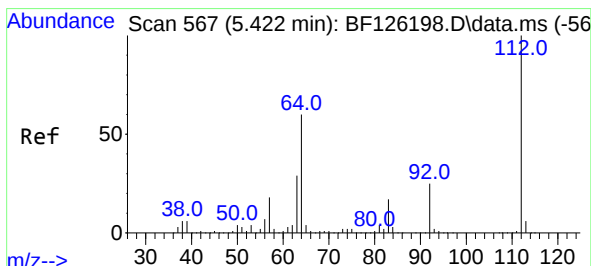
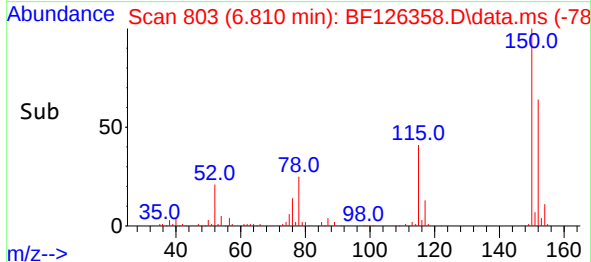
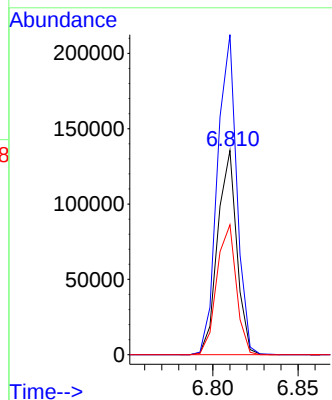
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



Tgt Ion:152 Resp: 105777
Ion Ratio Lower Upper
152 100
150 156.8 117.6 176.4
115 63.7 47.1 70.7

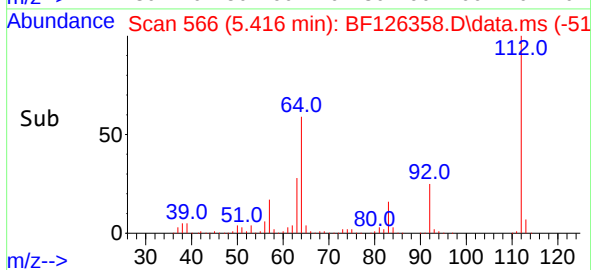
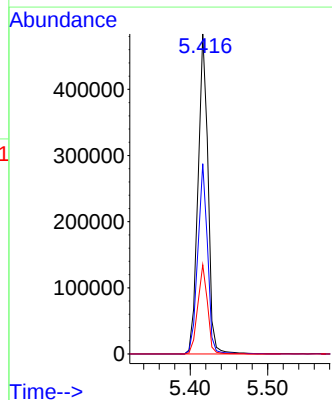
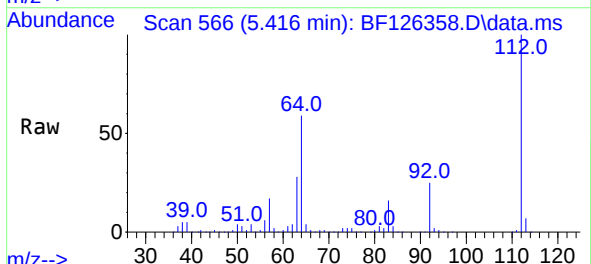
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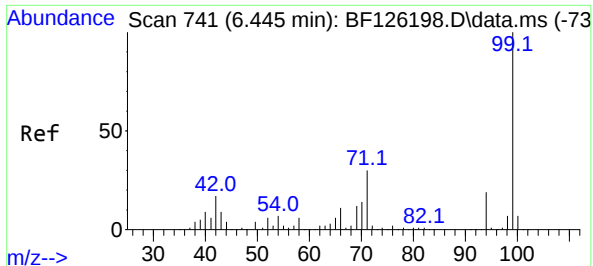
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#5
2-Fluorophenol
Concen: 60.282 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

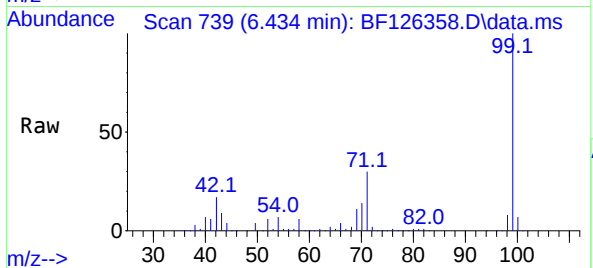
Tgt Ion:112 Resp: 432993
Ion Ratio Lower Upper
112 100
64 59.5 44.2 66.2
63 27.9 26.2 39.2





#7
Phenol-d6
Concen: 81.386 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

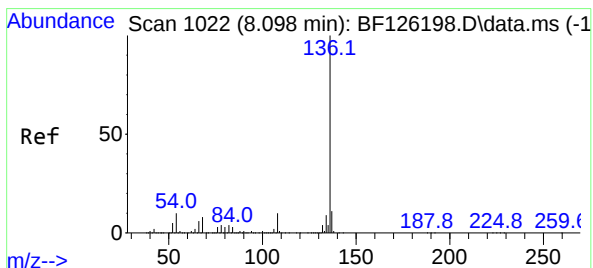
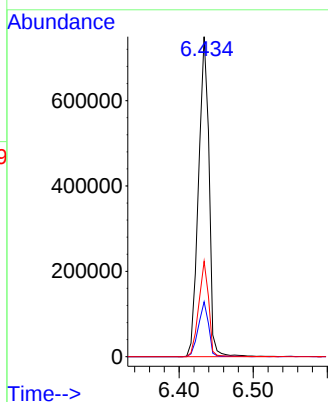
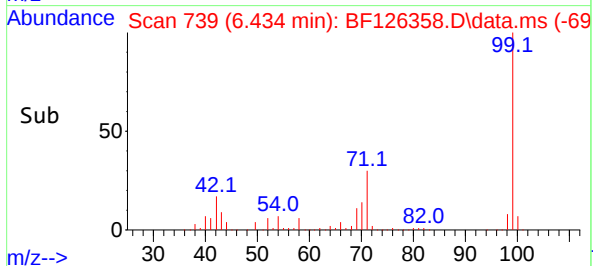
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



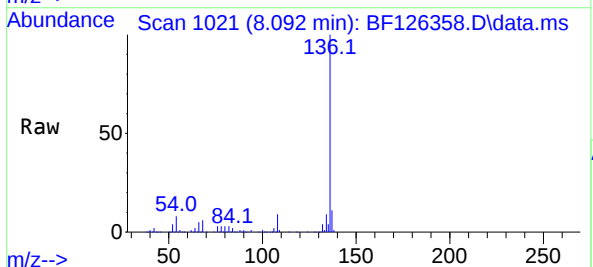
Tgt Ion: 99 Resp: 742268
Ion Ratio Lower Upper
99 100
42 17.2 23.5 35.3
71 29.8 25.6 38.4

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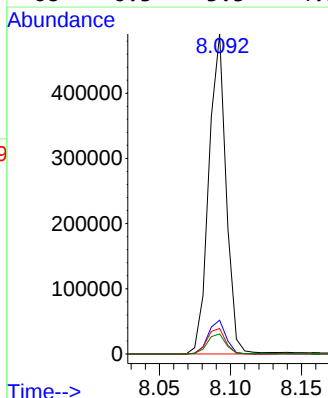
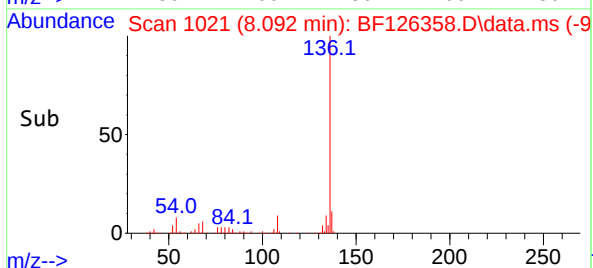
Reviewed By :Jagrut Upadhyay 12/28/2021
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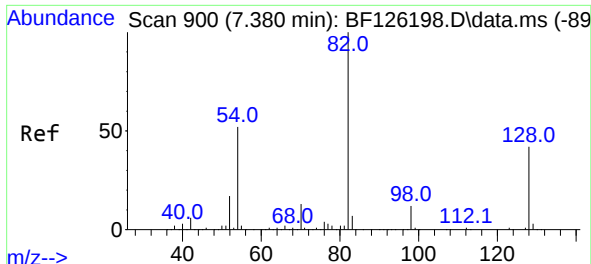


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



Tgt Ion:136 Resp: 417052
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 8.0 6.4 9.6
68 6.3 3.3 4.9





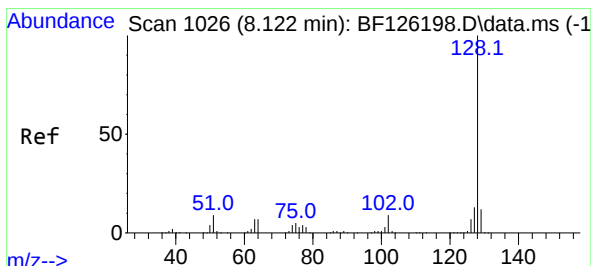
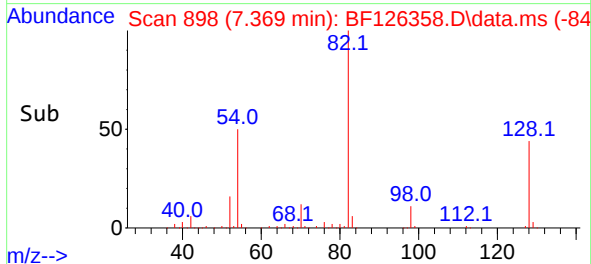
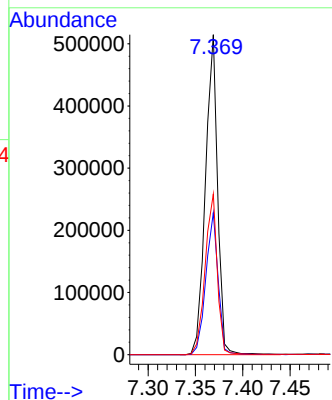
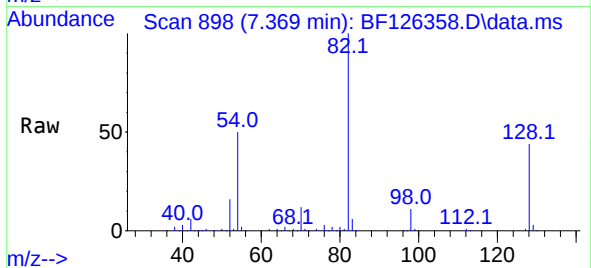
#23
Nitrobenzene-d5
Concen: 59.725 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

Tgt Ion: 82 Resp: 459910
Ion Ratio Lower Upper
82 100
128 44.3 40.6 60.8
54 50.2 49.6 74.4

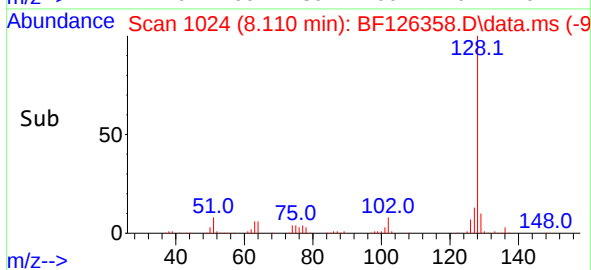
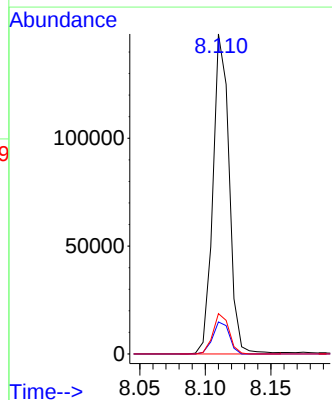
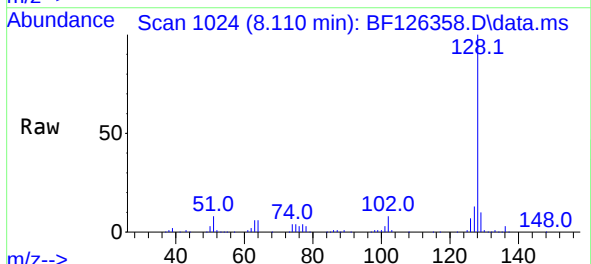
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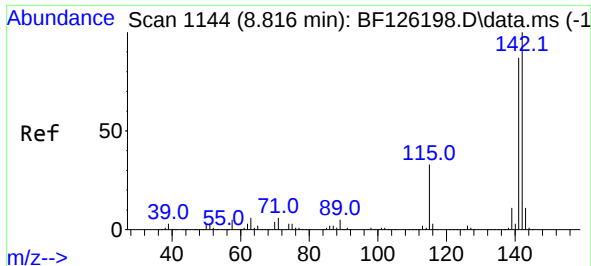
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#31
Naphthalene
Concen: 6.557 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

Tgt Ion:128 Resp: 127877
Ion Ratio Lower Upper
128 100
129 10.0 9.4 14.0
127 12.6 10.9 16.3





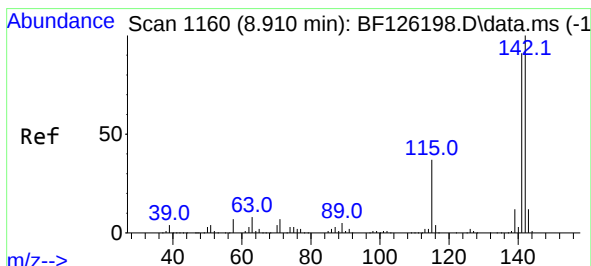
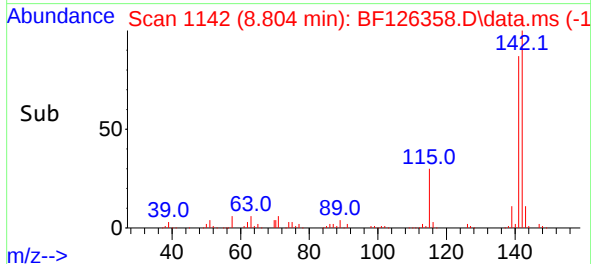
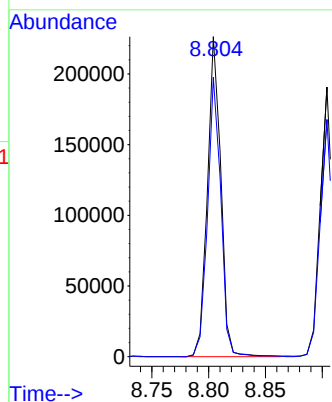
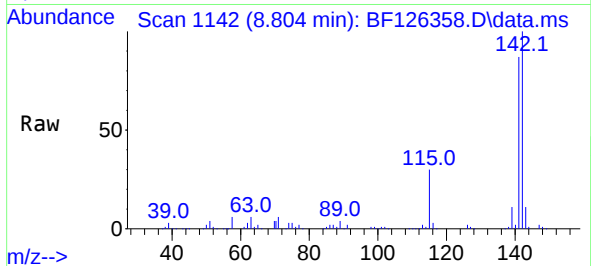
#37
2-Methylnaphthalene
Concen: 15.421 ng
RT: 8.804 min Scan# 1142
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

Tgt Ion:142 Resp: 185218
Ion Ratio Lower Upper
142 100
141 87.3 71.2 106.8

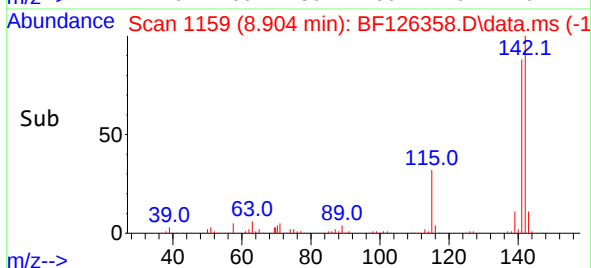
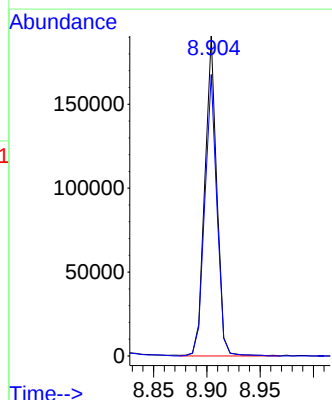
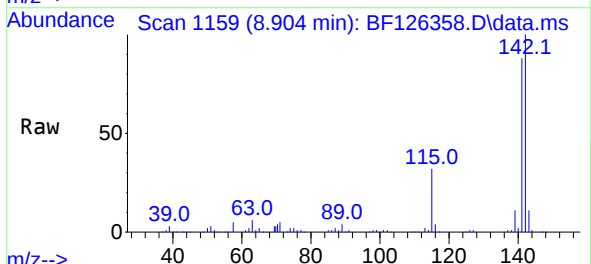
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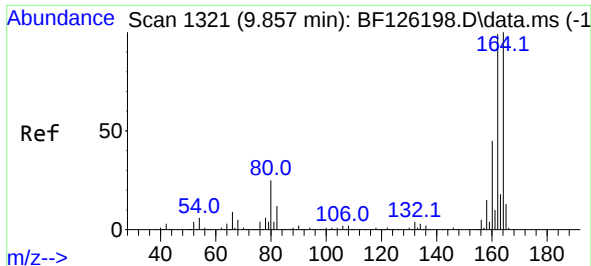
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#38
1-Methylnaphthalene
Concen: 12.868 ng
RT: 8.904 min Scan# 1159
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

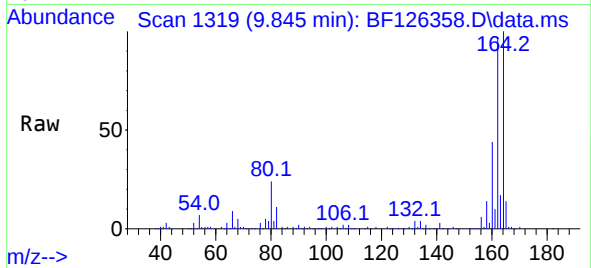
Tgt Ion:142 Resp: 149991
Ion Ratio Lower Upper
142 100
141 88.0 76.0 114.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

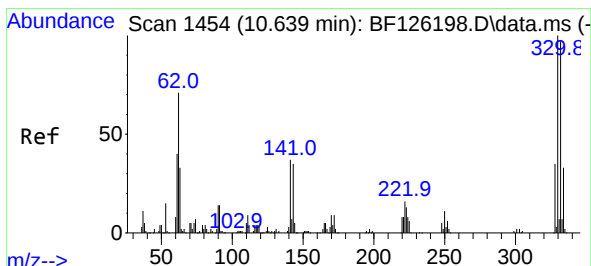
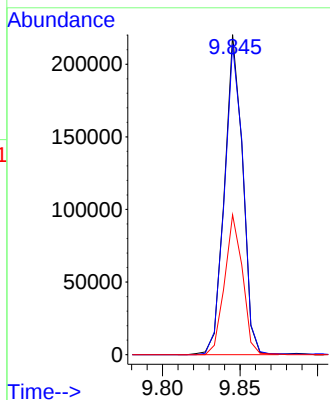
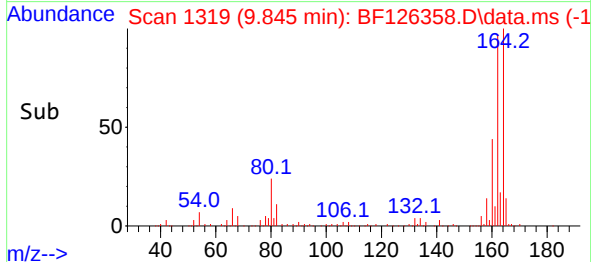
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



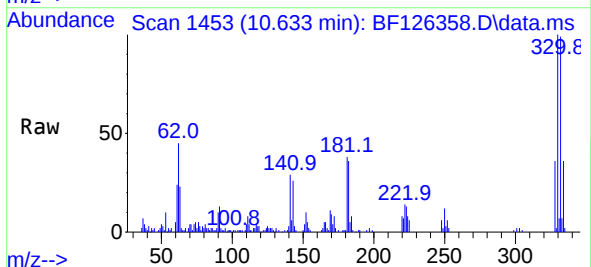
Tgt Ion:164 Resp: 17962
Ion Ratio Lower Upper
164 100
162 96.9 81.3 121.9
160 43.7 38.0 57.0

Manual Integrations
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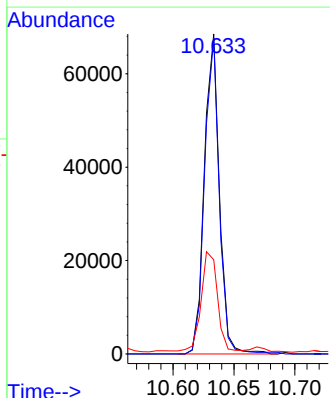
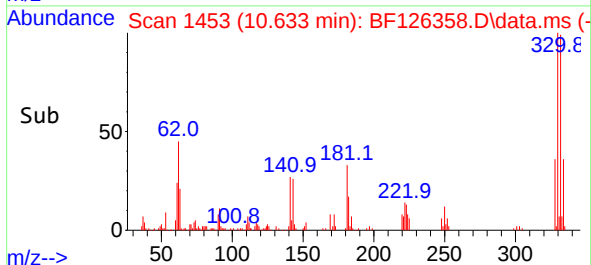
Reviewed By :Jagrut Upadhyay 12/28/2021
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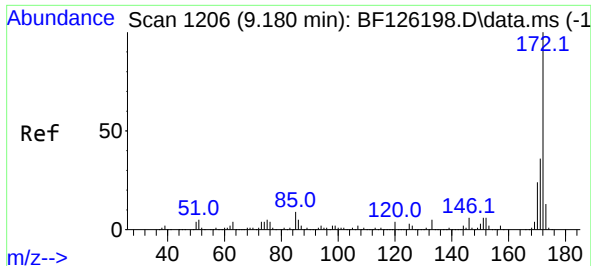


#42
2,4,6-Tribromophenol
Concen: 40.600 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



Tgt Ion:330 Resp: 58608
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 36.1 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 65.896 ng

RT: 9.169 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126358.D

Acq: 27 Dec 2021 16:29

Instrument :

BNA_F

ClientSampleId :

SB-21-G2

Tgt Ion:172 Resp: 67487

Ion Ratio Lower Upper

172 100

171 34.0 26.5 39.7

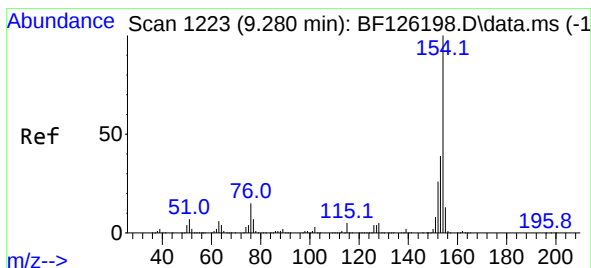
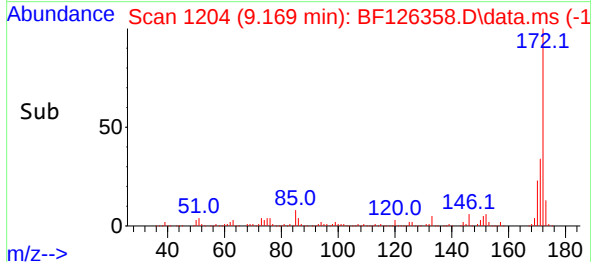
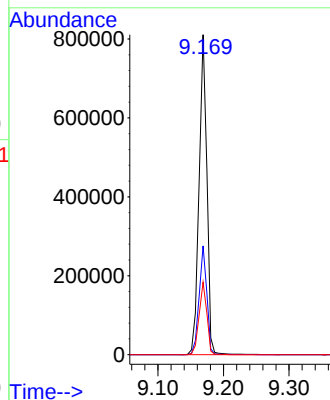
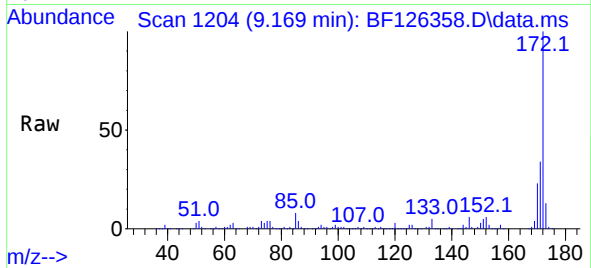
170 22.7 18.8 28.2

Manual Integrations

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Supervised By :mohammad ahmed 12/31/2021



#46

1,1'-Biphenyl

Concen: 2.761 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.012 min

Lab File: BF126358.D

Acq: 27 Dec 2021 16:29

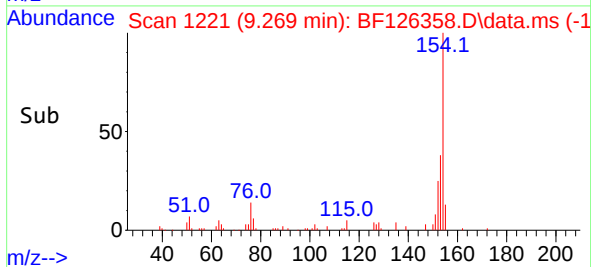
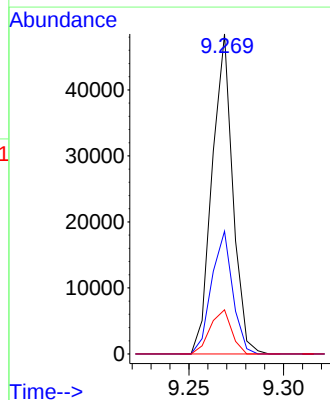
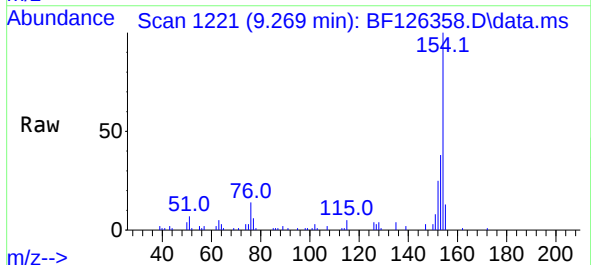
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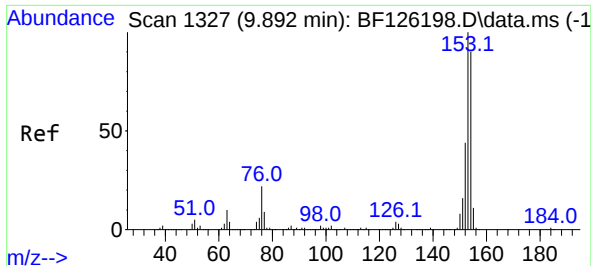
Ion Ratio Lower Upper

154 100

153 38.3 20.0 60.0

76 13.8 0.0 30.3





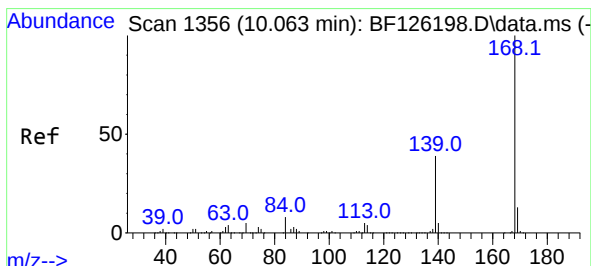
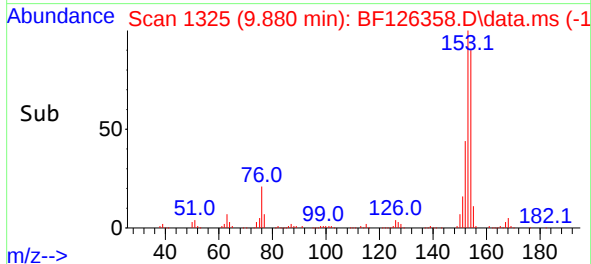
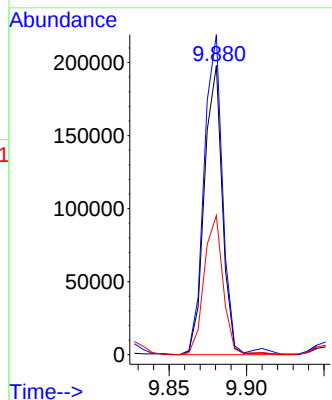
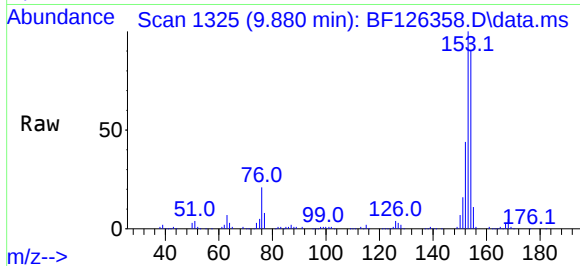
#52
Acenaphthene
Concen: 16.142 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

Instrument :
BNA_F
ClientSampleId :
SB-21-G2

Tgt Ion:154 Resp: 159844
Ion Ratio Lower Upper
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153 110.7 89.4 134.2
152 48.2 40.5 60.7

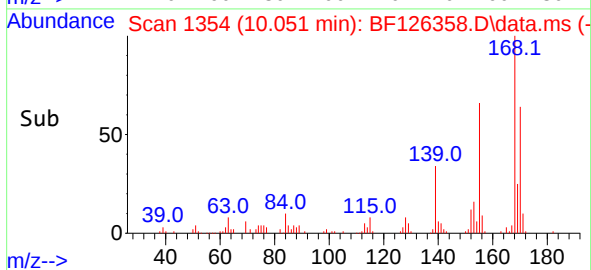
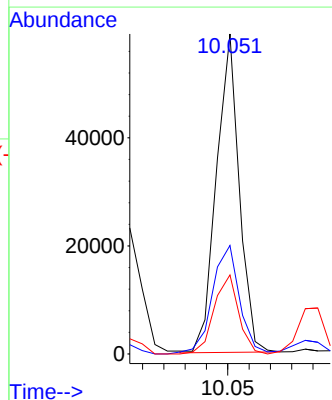
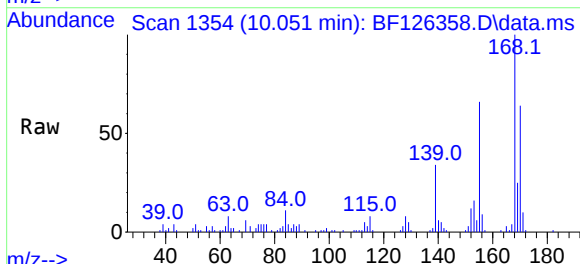
Manual Integrations
APPROVED

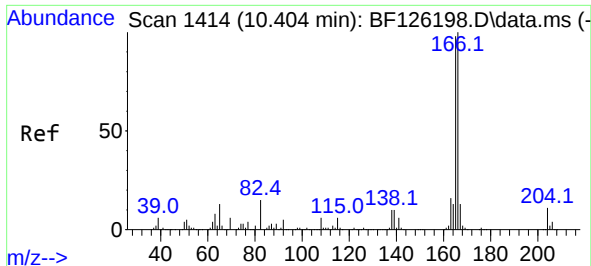
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#55
Dibenzofuran
Concen: 3.252 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

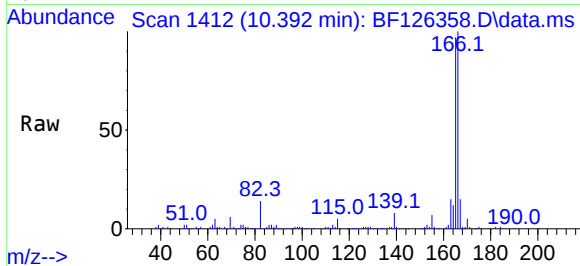
Tgt Ion:168 Resp: 43844
Ion Ratio Lower Upper
168 100
139 33.9 32.7 49.1
169 24.7 11.2 16.8#





#58
Fluorene
Concen: 14.406 ng
RT: 10.392 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

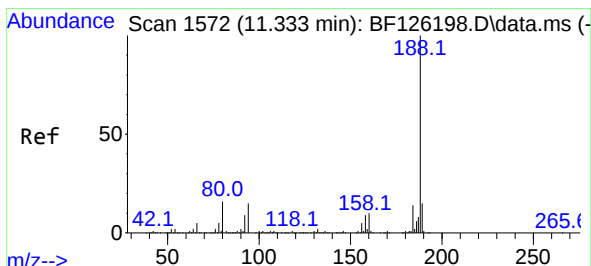
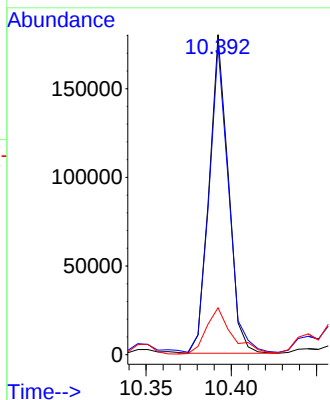
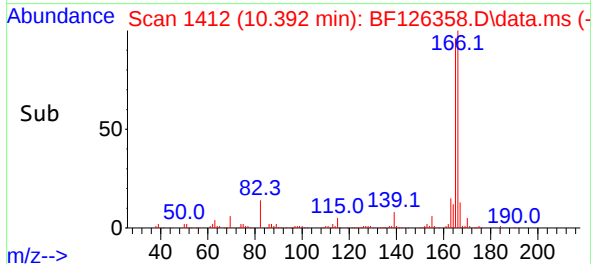
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



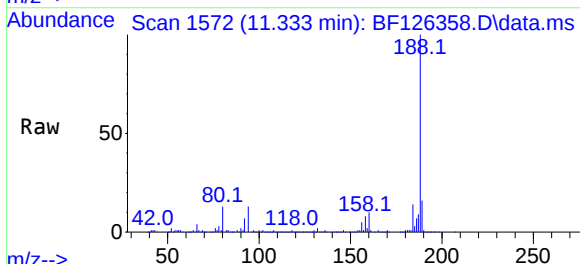
Tgt Ion:166 Resp: 14060
Ion Ratio Lower Upper
166 100
165 96.6 78.1 117.1
167 14.7 11.1 16.7

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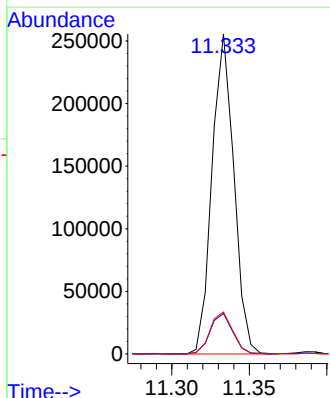
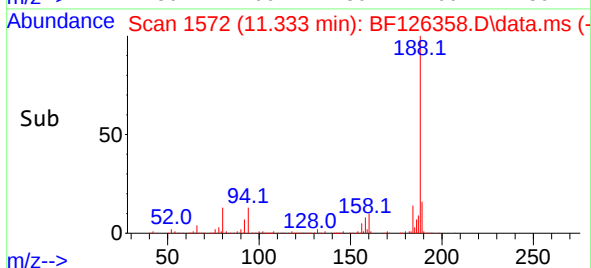
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

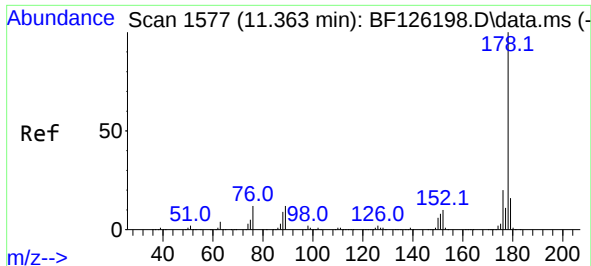


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



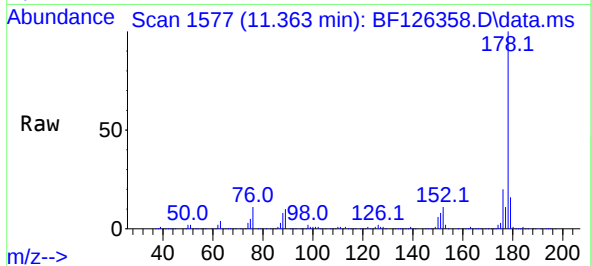
Tgt Ion:188 Resp: 250480
Ion Ratio Lower Upper
188 100
94 12.6 6.7 10.1#
80 13.1 7.5 11.3#





#71
Phenanthrene
Concen: 137.996 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

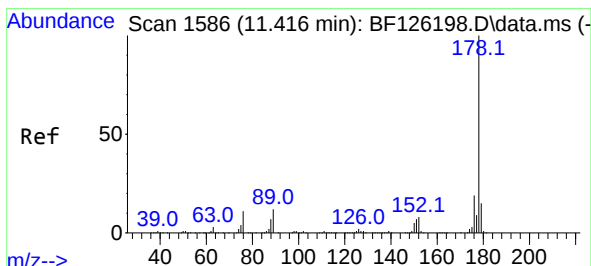
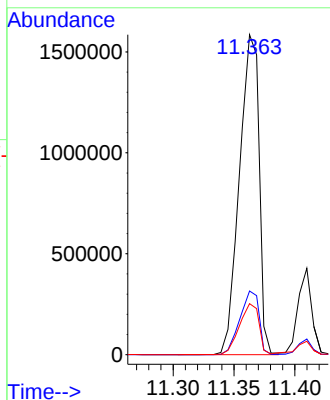
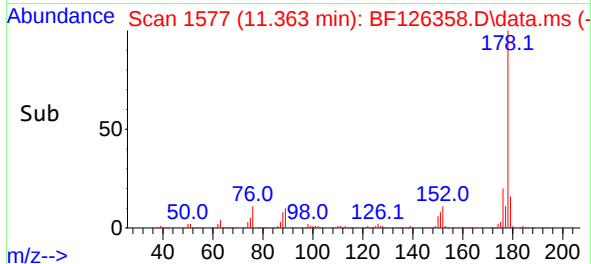
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



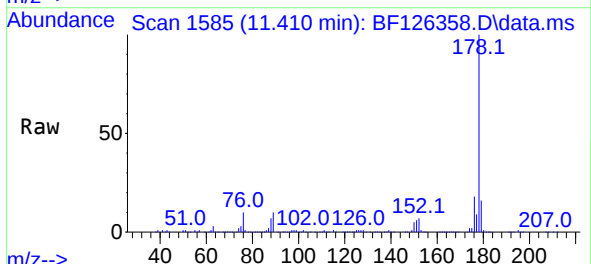
Tgt Ion:178 Resp: 1784018
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 16.0 11.5 17.3

Manual Integrations
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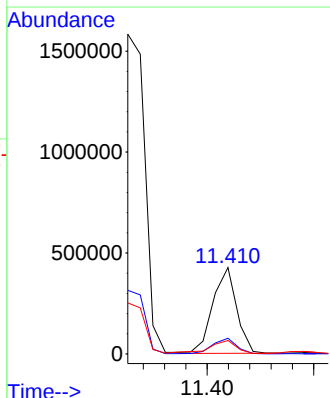
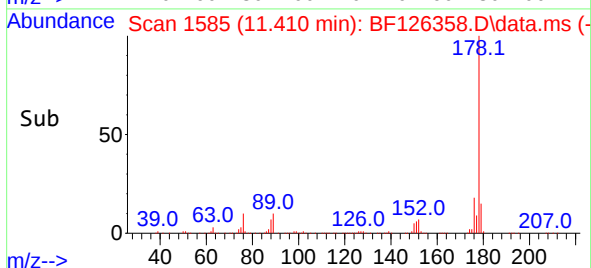
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

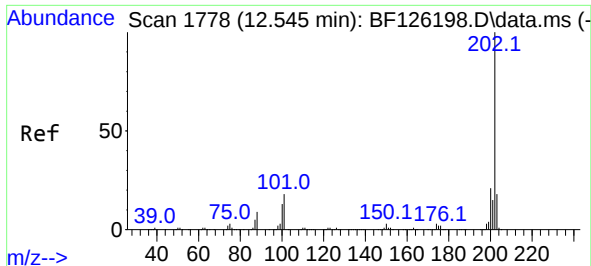


#72
Anthracene
Concen: 25.532 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



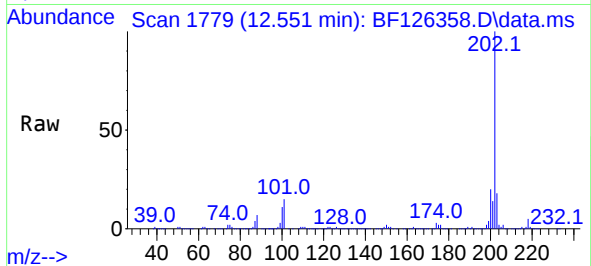
Tgt Ion:178 Resp: 331300
Ion Ratio Lower Upper
178 100
176 18.1 14.3 21.5
179 15.5 12.2 18.4





#75
Fluoranthene
Concen: 78.186 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

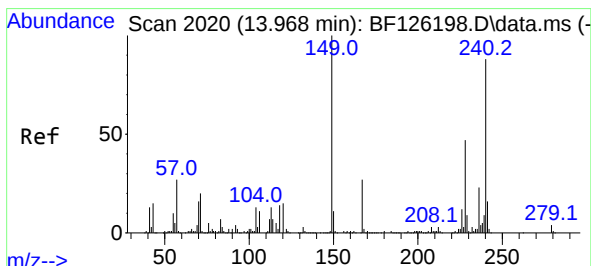
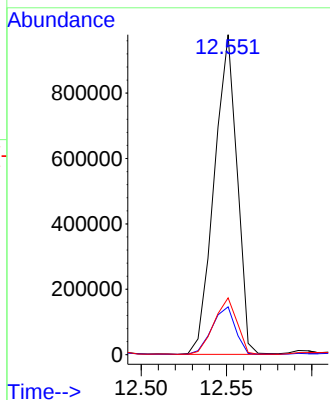
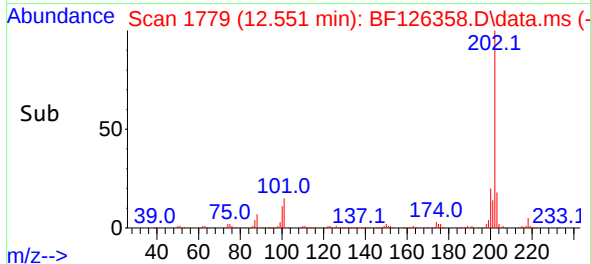
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



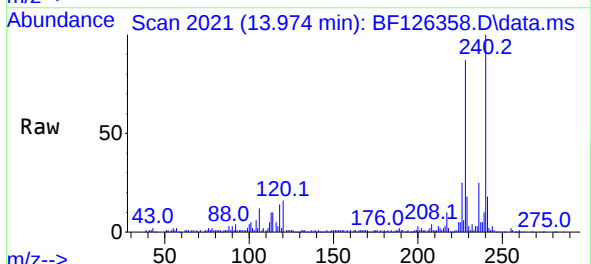
Tgt Ion:202 Resp: 910702
Ion Ratio Lower Upper
202 100
101 14.9 0.0 30.7
203 17.8 0.0 36.3

Manual Integrations
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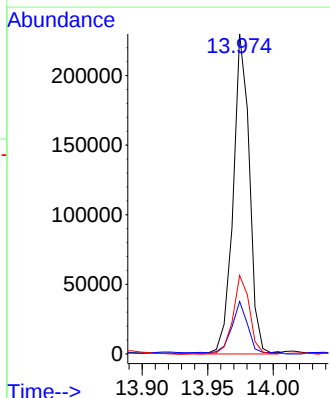
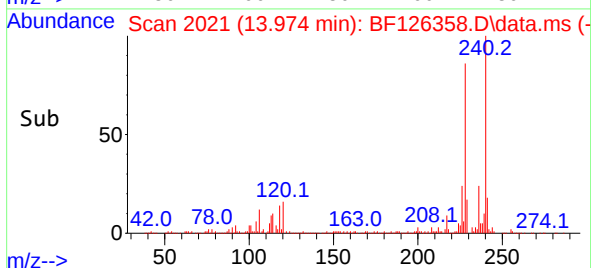
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

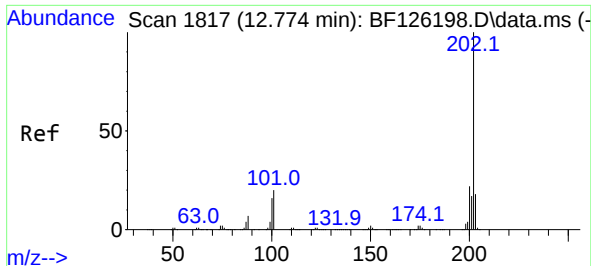


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



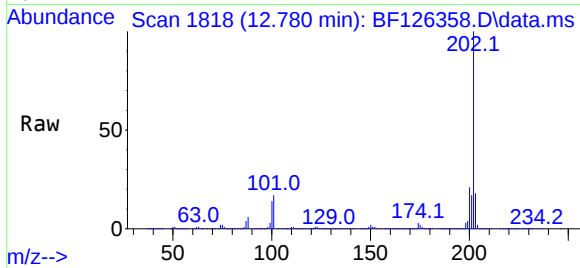
Tgt Ion:240 Resp: 198813
Ion Ratio Lower Upper
240 100
120 16.4 10.8 16.2#
236 24.6 21.6 32.4





#78
Pyrene
Concen: 75.587 ng
RT: 12.780 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

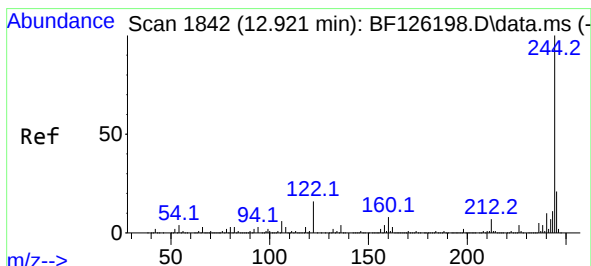
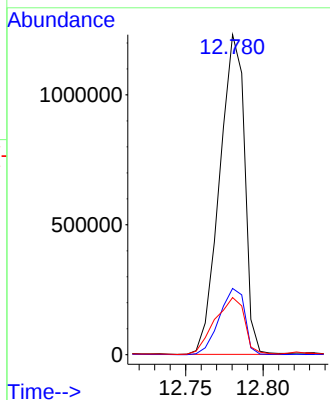
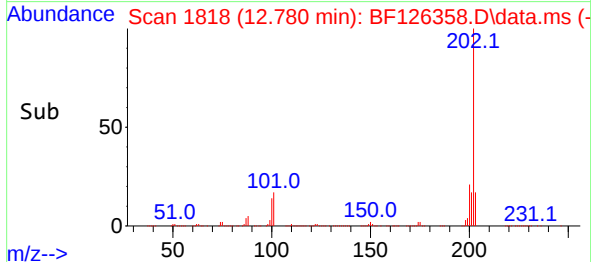
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



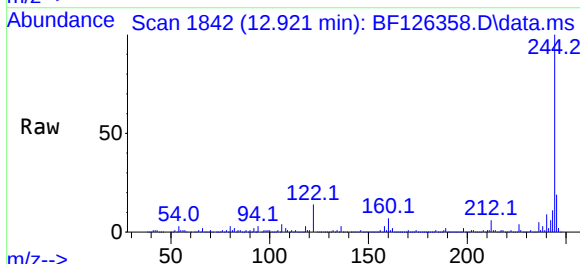
Tgt Ion:202 Resp: 1380620
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 17.9 13.4 20.0

Manual Integrations
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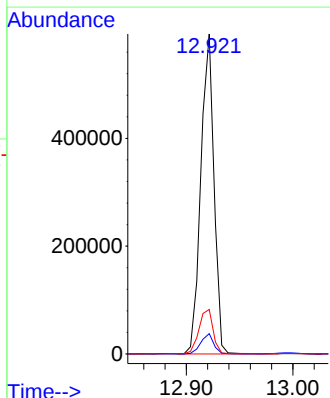
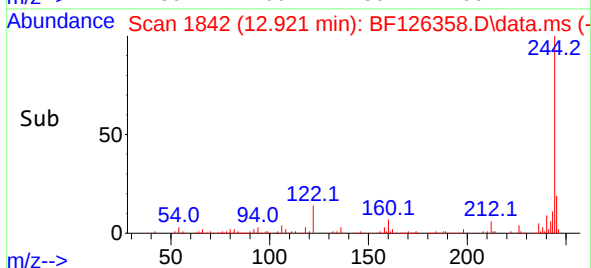
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

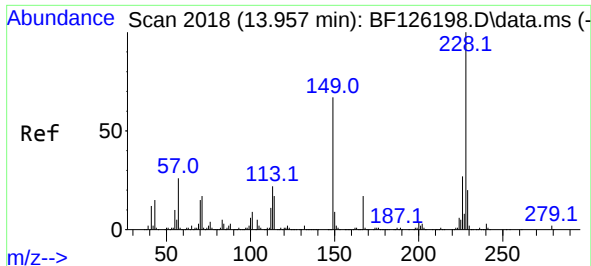


#79
Terphenyl-d14
Concen: 44.818 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



Tgt Ion:244 Resp: 512650
Ion Ratio Lower Upper
244 100
212 6.3 5.9 8.9
122 13.9 9.0 13.4#





#81
Benzo(a)anthracene
Concen: 48.481 ng
RT: 13.968 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

Instrument :

BNA_F

ClientSampleId :

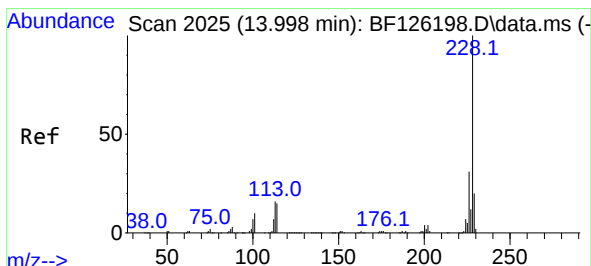
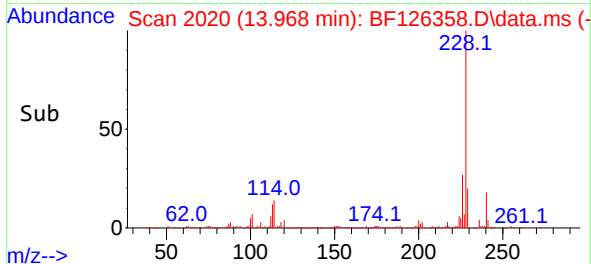
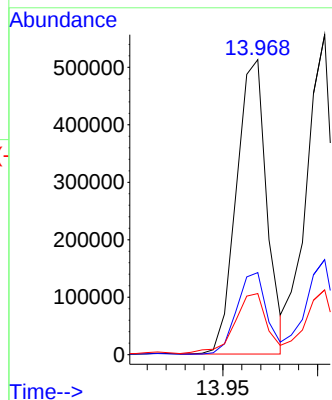
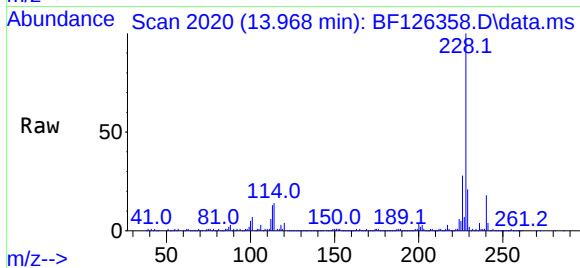
SB-21-G2

Tgt Ion:228 Resp: 570939
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 20.7 15.6 23.4

Manual Integrations

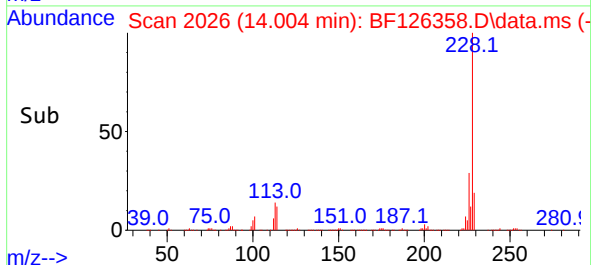
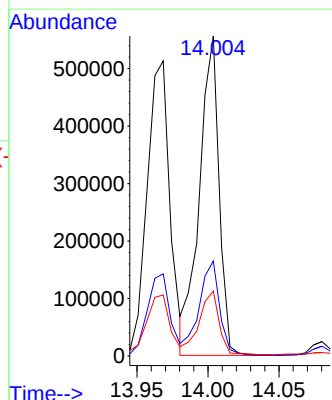
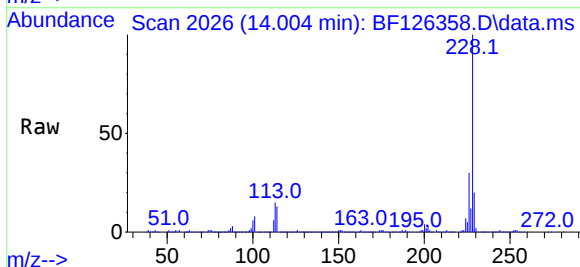
APPROVED

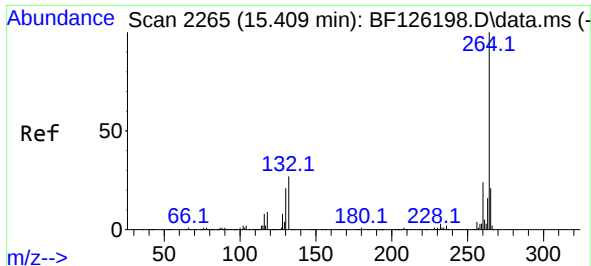
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



#83
Chrysene
Concen: 43.869 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

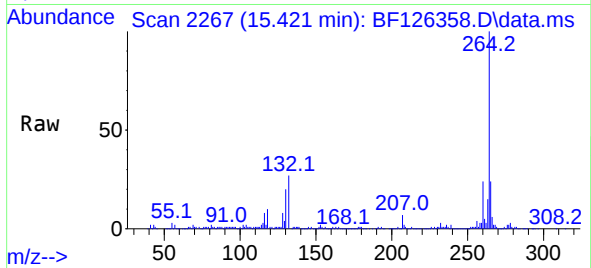
Tgt Ion:228 Resp: 536776
Ion Ratio Lower Upper
228 100
226 29.7 22.6 34.0
229 20.3 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21458
Delta R.T. -0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

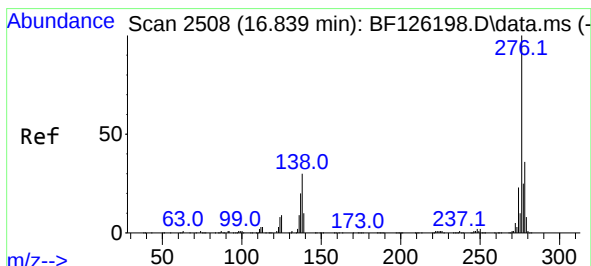
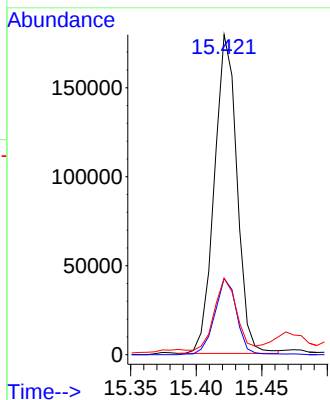
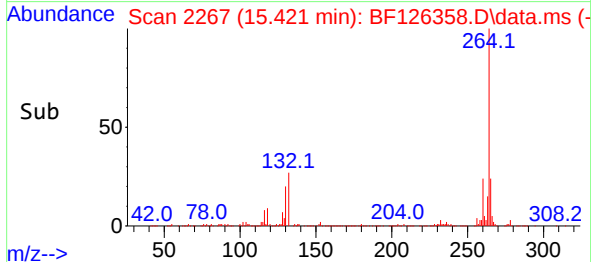
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



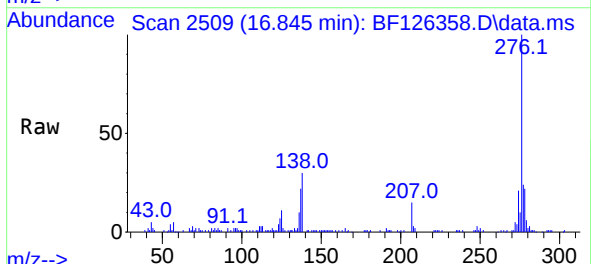
Tgt Ion:264 Resp: 21458
Ion Ratio Lower Upper
264 100
260 23.8 19.6 29.4
265 23.9 17.2 25.8

Manual Integrations
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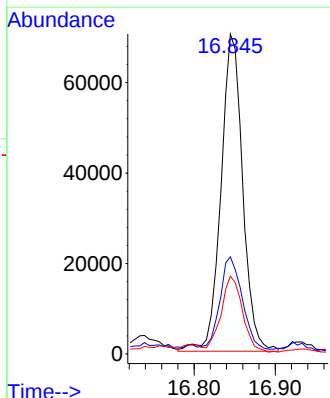
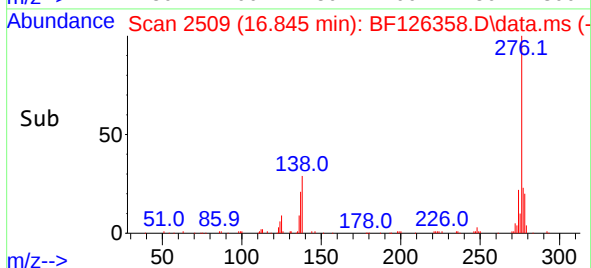
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

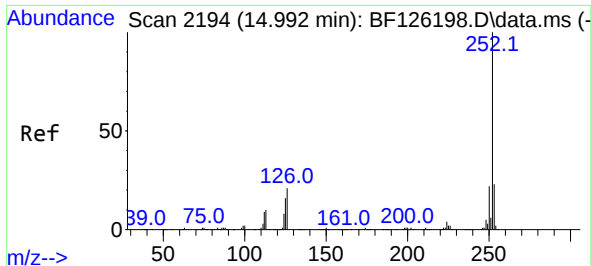


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.133 ng
RT: 16.845 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



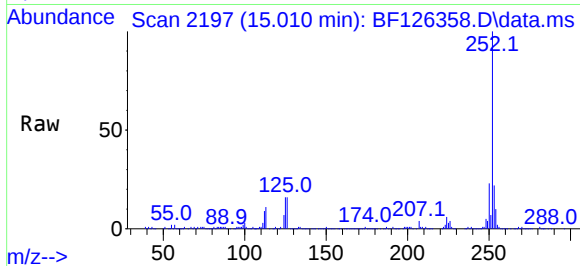
Tgt Ion:276 Resp: 130727
Ion Ratio Lower Upper
276 100
138 29.7 24.1 36.1
277 23.6 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 31.530 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

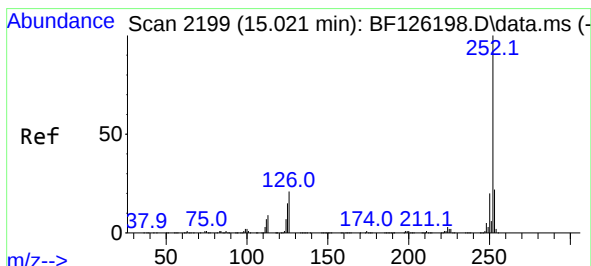
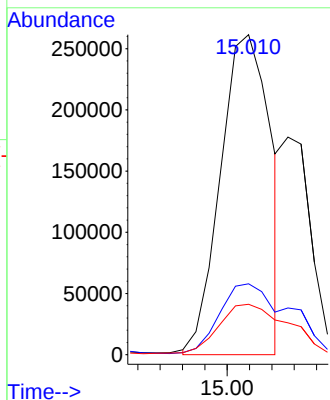
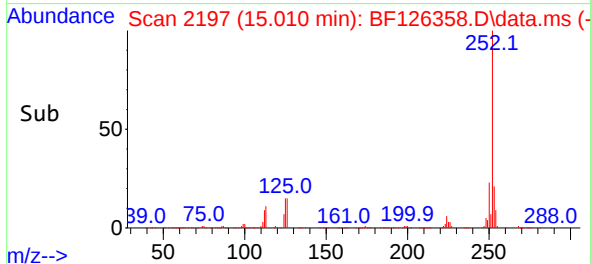
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



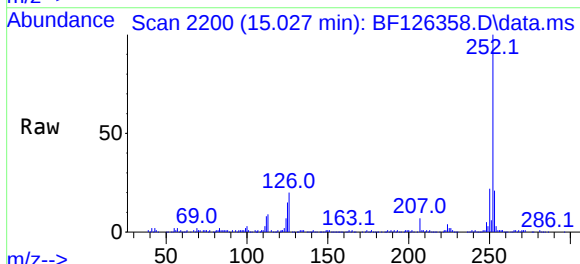
Tgt Ion:252 Resp: 406522
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 15.8 9.8 14.8

Manual Integrations
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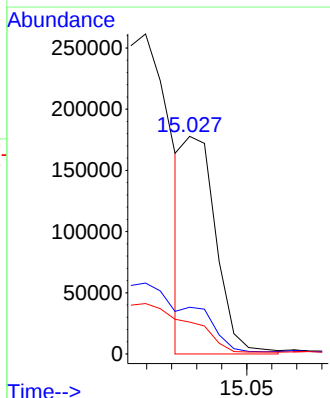
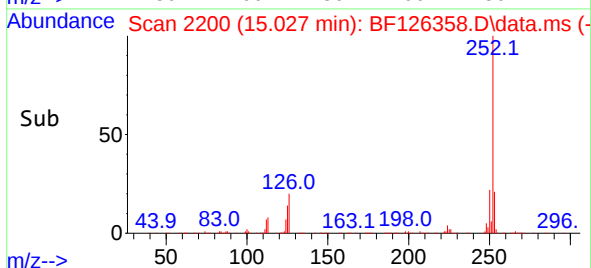
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021

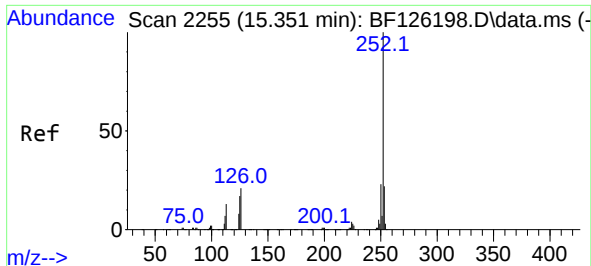


#89
Benzo(k)fluoranthene
Concen: 12.990 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.006 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



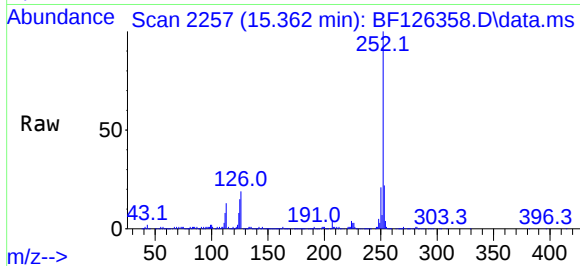
Tgt Ion:252 Resp: 160222
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 14.7 7.2 10.8





#90
Benzo(a)pyrene
Concen: 32.772 ng
RT: 15.362 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29

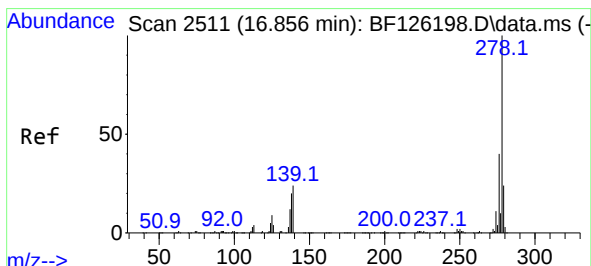
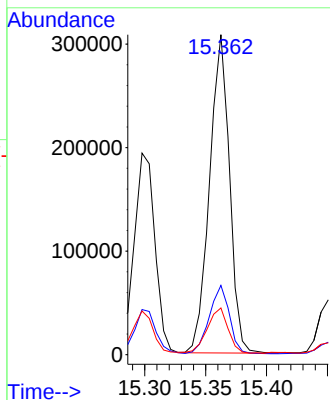
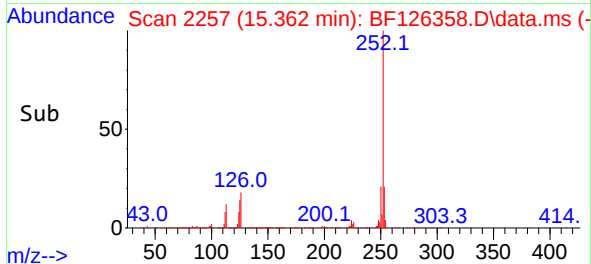
Instrument :
BNA_F
ClientSampleId :
SB-21-G2



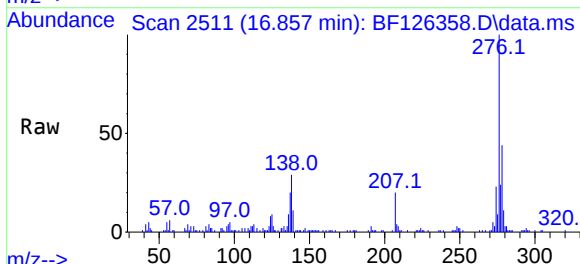
Tgt Ion:252 Resp: 35118
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 14.6 9.9 14.9

Manual Integrations
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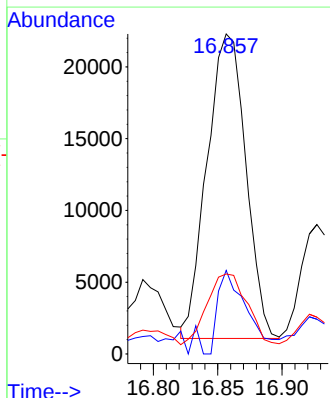
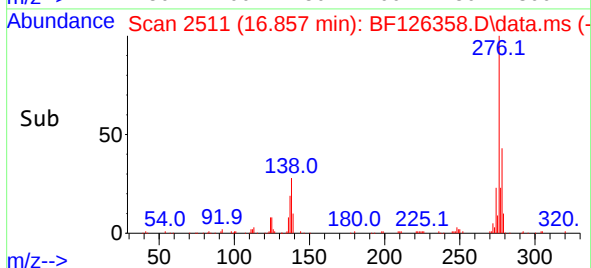
Reviewed By :Jagrut Upadhyay 12/28/2021
Supervised By :mohammad ahmed 12/31/2021



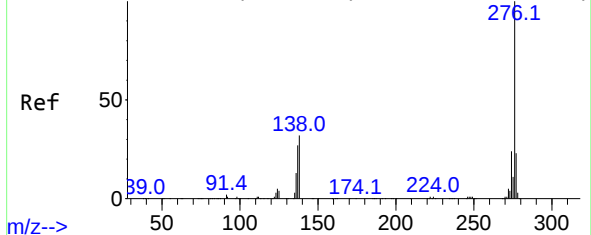
#91
Dibenzo(a,h)anthracene
Concen: 3.823 ng m
RT: 16.857 min Scan# 2511
Delta R.T. -0.023 min
Lab File: BF126358.D
Acq: 27 Dec 2021 16:29



Tgt Ion:278 Resp: 44486
Ion Ratio Lower Upper
278 100
139 26.1 14.9 22.3#
279 25.0 19.7 29.5



Abundance Scan 2581 (17.268 min): BF126198.D\data.ms (-



#92

Benzo(g,h,i)perylene

Concen: 9.495 ng

RT: 17.274 min Scan# 2582

Delta R.T. -0.023 min

Lab File: BF126358.D

Acq: 27 Dec 2021 16:29

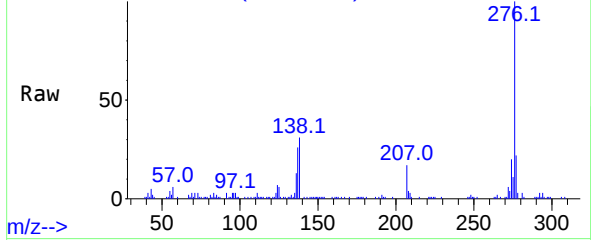
Instrument :

BNA_F

ClientSampleId :

SB-21-G2

Abundance Scan 2582 (17.274 min): BF126358.D\data.ms



Tgt Ion:276 Resp: 114308

Ion Ratio Lower Upper

276 100

277 22.2 22.0 33.0

138 30.6 22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/28/2021

Supervised By :mohammad ahmed 12/31/2021

Abundance Scan 2582 (17.274 min): BF126358.D\data.ms (-

