

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126418.D
 Acq On : 30 Dec 2021 14:15
 Operator : JU/CG
 Sample : M5239-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-0-5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/31/2021

Quant Time: Dec 30 14:41:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	156922	20.00	ng	0.00
21) Naphthalene-d8	8.081	136	627029	20.00	ng	0.00
39) Acenaphthene-d10	9.833	164	249184	20.00	ng	0.00
64) Phenanthrene-d10	11.316	188	350333	20.00	ng	# 0.00
76) Chrysene-d12	13.957	240	232149	20.00	ng	0.00
86) Perylene-d12	15.398	264	185005	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	290845	26.62	ng	0.00
7) Phenol-d6	6.416	99	370562	26.18	ng	-0.01
23) Nitrobenzene-d5	7.351	82	221293	18.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	38756	20.13	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	292138	20.63	ng	0.00
79) Terphenyl-d14	12.904	244	199712	16.71	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.098	128	66355	2.24	ng	98
52) Acenaphthene	9.869	154	56161	4.08	ng	99
58) Fluorene	10.380	166	48413	3.68	ng	98
71) Phenanthrene	11.345	178	506653	28.29	ng	99
72) Anthracene	11.392	178	146149	8.15	ng	99
73) Carbazole	11.545	167	57426	3.27	ng	99
75) Fluoranthene	12.533	202	563888	34.49	ng	99
78) Pyrene	12.763	202	543348	27.70	ng	100
81) Benzo(a)anthracene	13.945	228	251812	18.86	ng	98
83) Chrysene	13.980	228	220746	16.12	ng	97
87) Indeno(1,2,3-cd)pyrene	16.815	276	90676	7.32	ng	96
88) Benzo(b)fluoranthene	14.986	252	253096m	22.96	ng	
89) Benzo(k)fluoranthene	15.010	252	58072m	5.44	ng	
90) Benzo(a)pyrene	15.339	252	172474	18.66	ng	98
92) Benzo(g,h,i)perylene	17.239	276	83751	7.87	ng	93

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

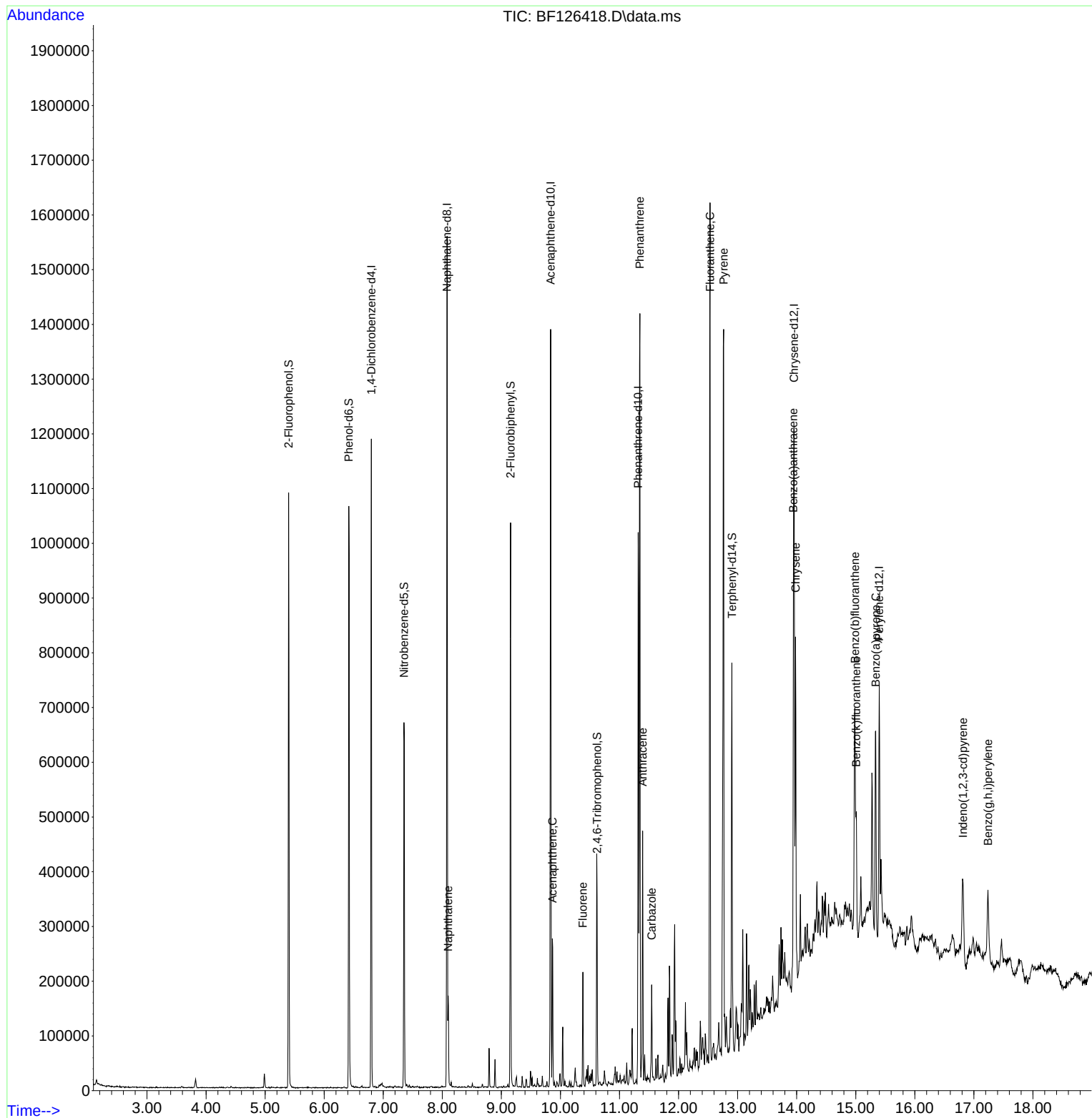
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126418.D
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ALS Vial : 11 Sample Multiplier: 1

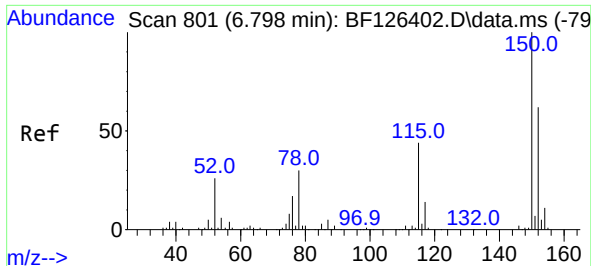
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
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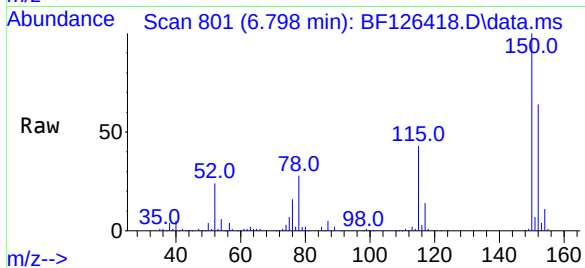
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

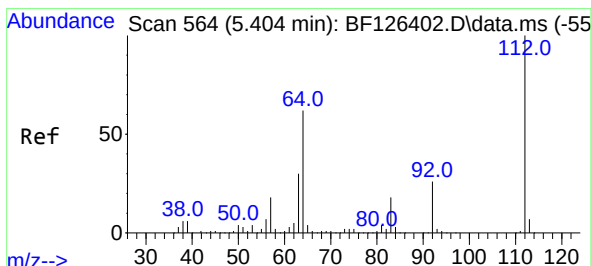
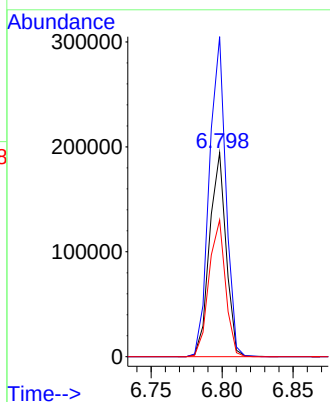
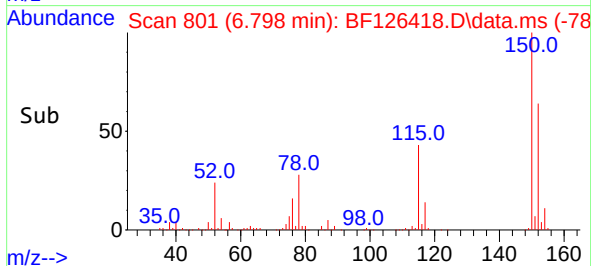


Tgt Ion:152 Resp: 156922
Ion Ratio Lower Upper
152 100
150 156.9 128.1 192.1
115 67.0 56.7 85.1

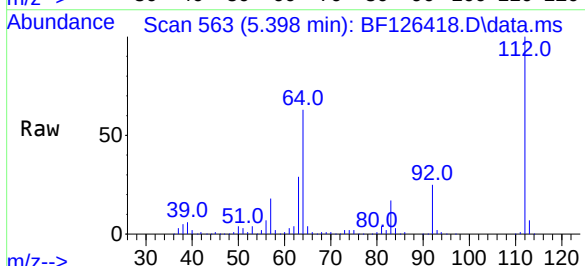
Manual Integrations

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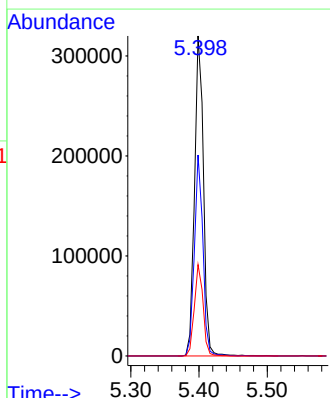
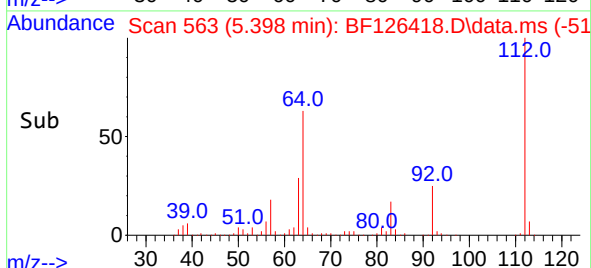
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

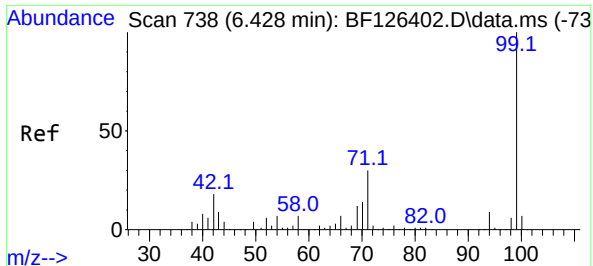


#5
2-Fluorophenol
Concen: 26.62 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15



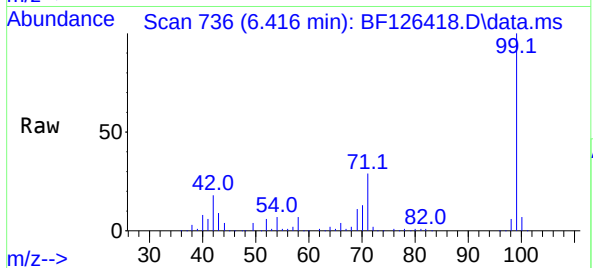
Tgt Ion:112 Resp: 290845
Ion Ratio Lower Upper
112 100
64 62.8 49.5 74.3
63 28.5 23.9 35.9





#7
Phenol-d6
Concen: 26.18 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

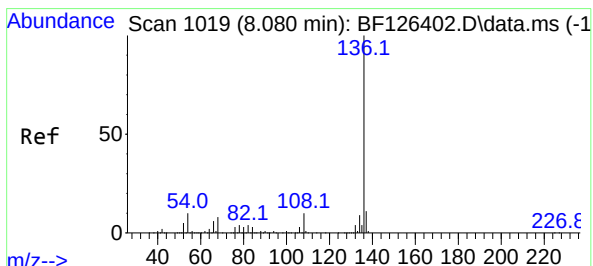
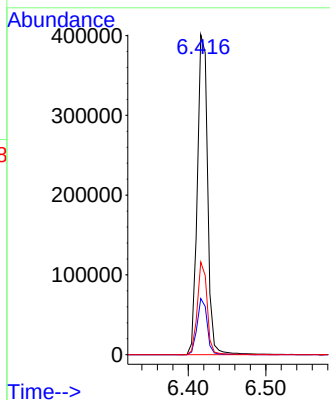
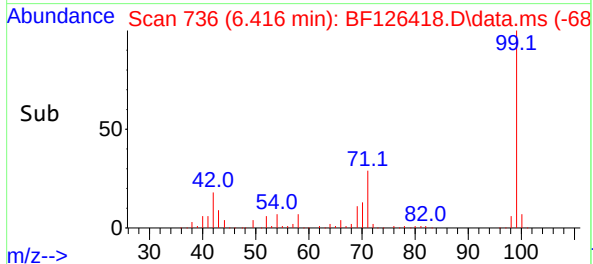
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5



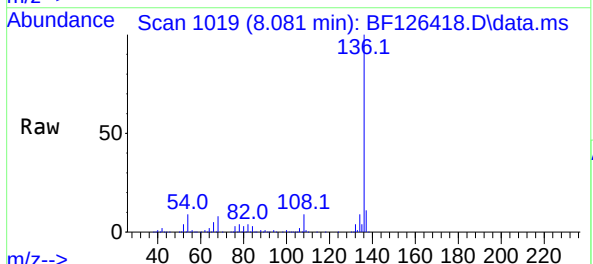
Tgt Ion: 99 Resp: 370562
Ion Ratio Lower Upper
99 100
42 17.6 14.2 21.4
71 29.0 24.3 36.5

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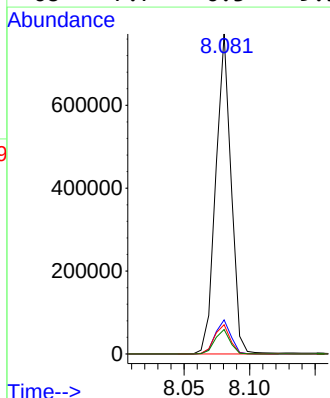
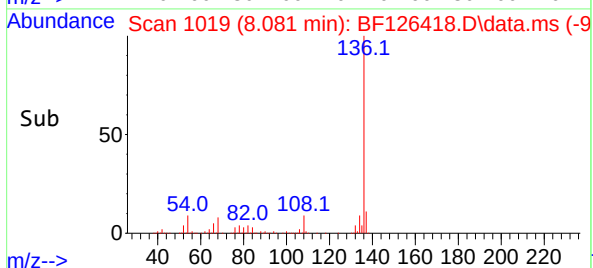
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

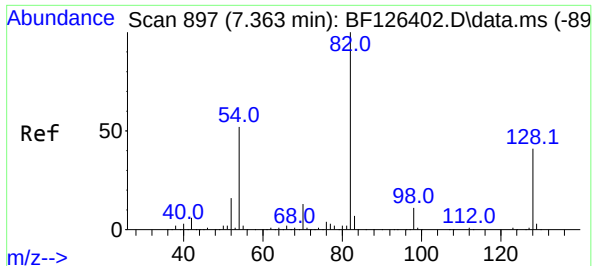


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15



Tgt Ion:136 Resp: 627029
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.2 7.8 11.6
68 7.7 6.3 9.5





#23

Nitrobenzene-d5

Concen: 18.12 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

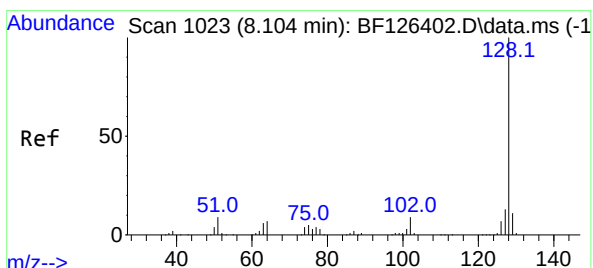
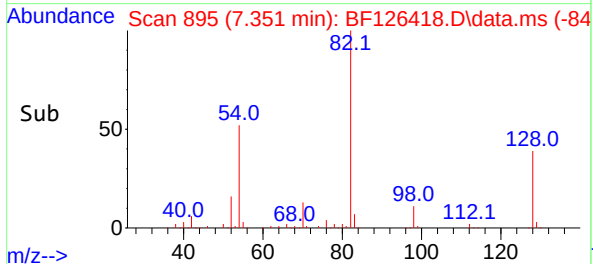
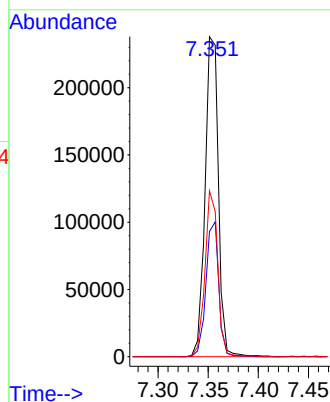
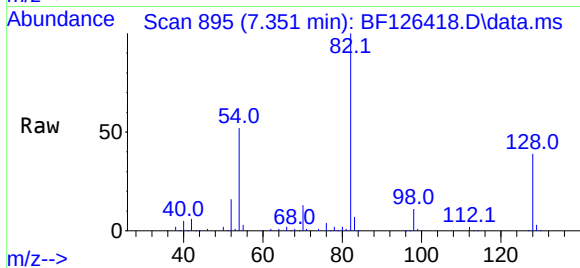
Tgt Ion: 82 Resp: 22129

Ion	Ratio	Lower	Upper
82	100		
128	39.1	32.7	49.1
54	51.8	41.7	62.5

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#31

Naphthalene

Concen: 2.24 ng

RT: 8.098 min Scan# 1022

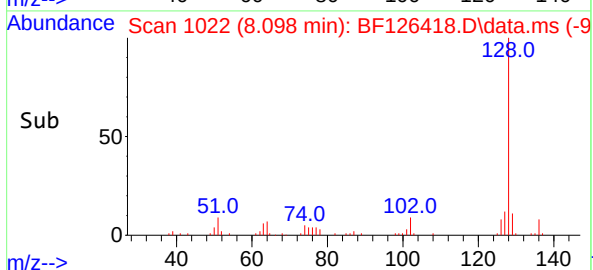
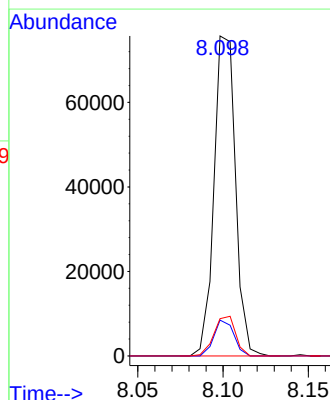
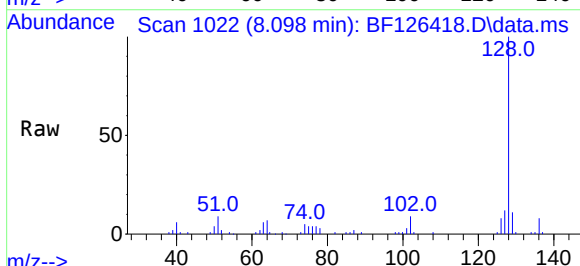
Delta R.T. -0.006 min

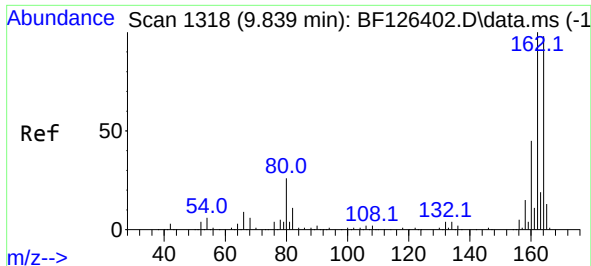
Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Tgt Ion:128 Resp: 66355

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	13.0
127	11.6	10.3	15.5





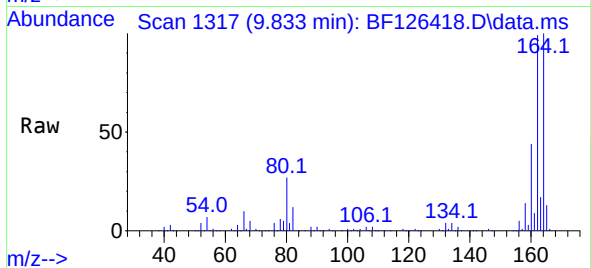
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

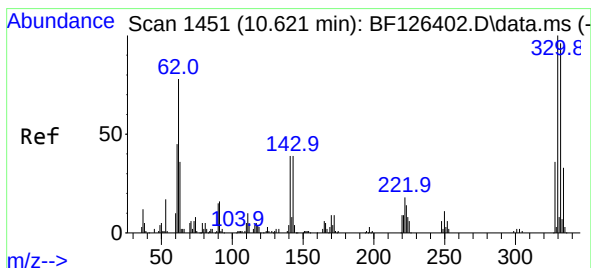
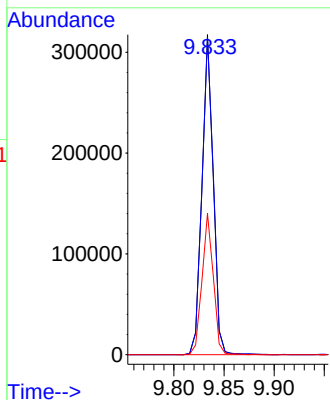
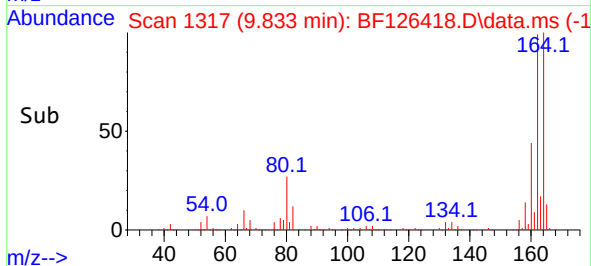


Tgt Ion:164 Resp: 249184
Ion Ratio Lower Upper
164 100
162 99.2 81.4 122.0
160 44.2 36.6 54.8

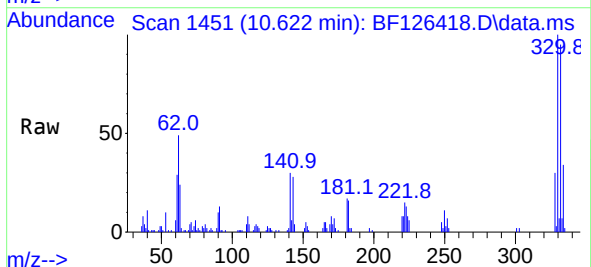
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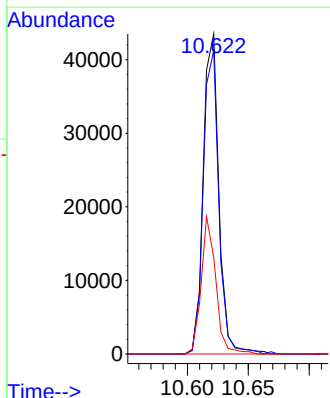
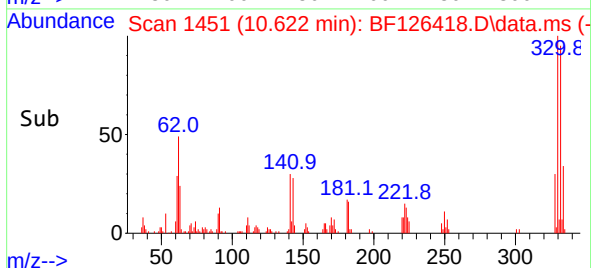
Reviewed By :Jagrut Upadhyay 12/30/2021
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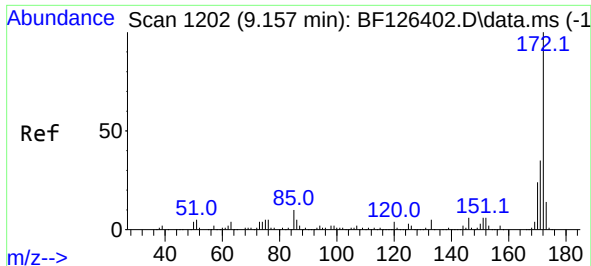


#42
2,4,6-Tribromophenol
Concen: 20.13 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15



Tgt Ion:330 Resp: 38756
Ion Ratio Lower Upper
330 100
332 94.8 76.0 114.0
141 40.2 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 20.63 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

Tgt Ion:172 Resp: 292138

Ion Ratio Lower Upper

172 100

171 33.8 28.3 42.5

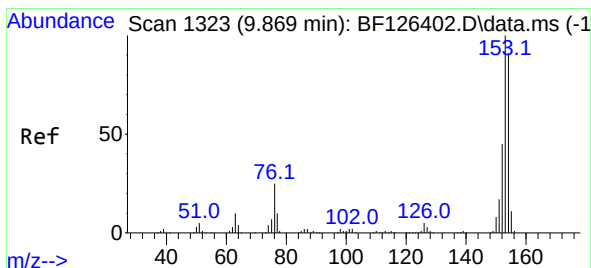
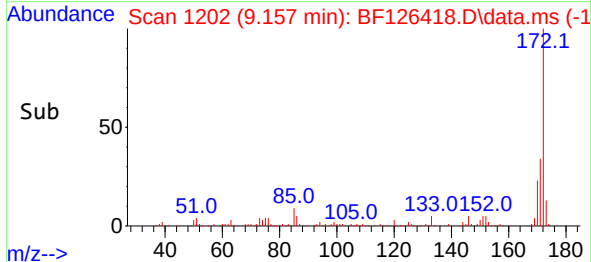
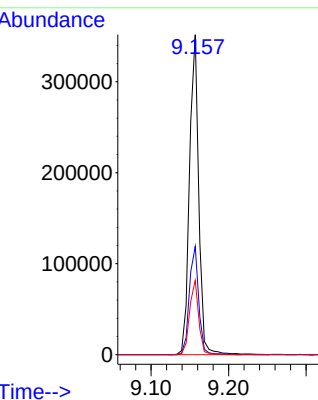
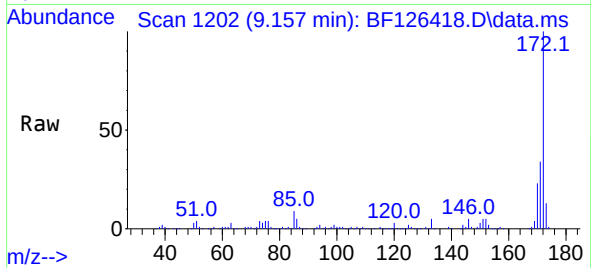
170 23.2 19.0 28.6

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#52

Acenaphthene

Concen: 4.08 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF126418.D

Acq: 30 Dec 2021 14:15

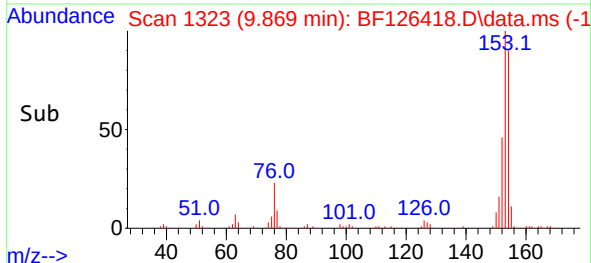
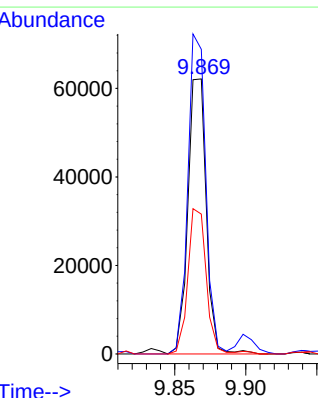
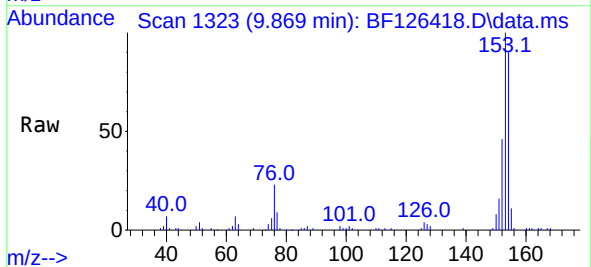
Tgt Ion:154 Resp: 56161

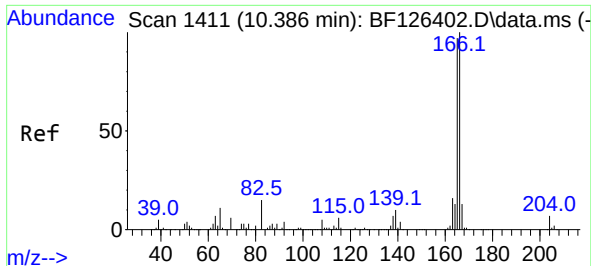
Ion Ratio Lower Upper

154 100

153 110.8 87.8 131.6

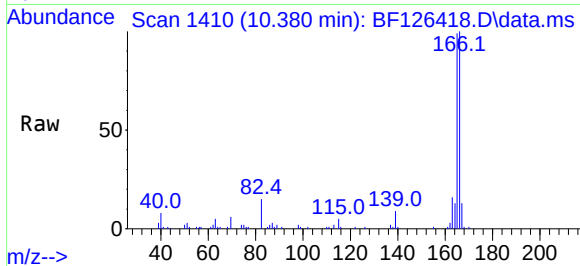
152 50.9 39.4 59.2





#58
Fluorene
Concen: 3.68 ng
RT: 10.380 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

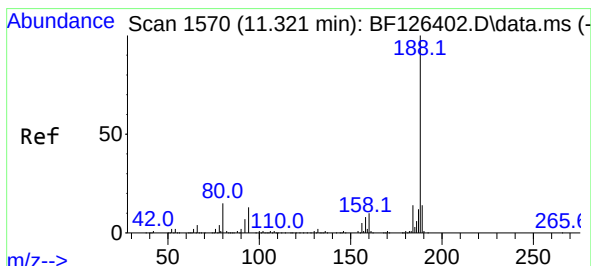
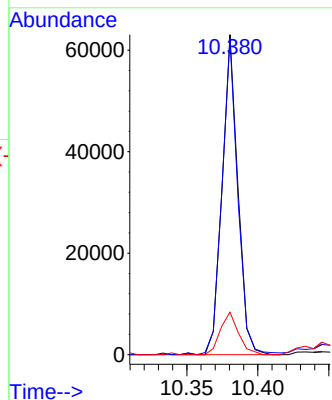
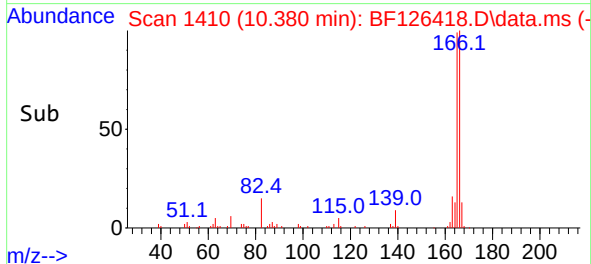
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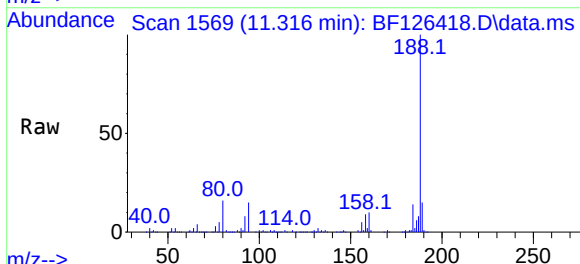
Tgt Ion:166 Resp: 48411
Ion Ratio Lower Upper
166 100
165 98.9 77.7 116.5
167 13.3 10.7 16.1

Manual Integrations
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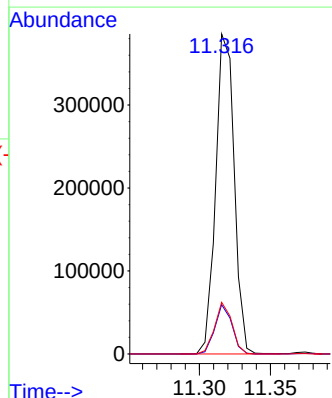
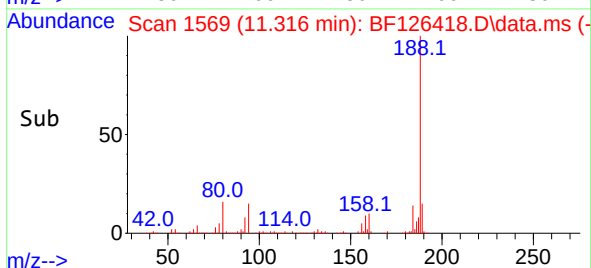
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

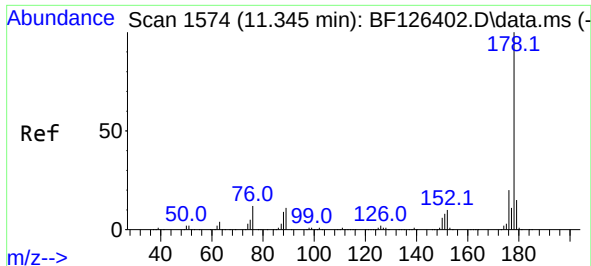


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15



Tgt Ion:188 Resp: 350333
Ion Ratio Lower Upper
188 100
94 15.4 10.1 15.1#
80 16.1 11.8 17.6





#71
Phenanthrene
Concen: 28.29 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

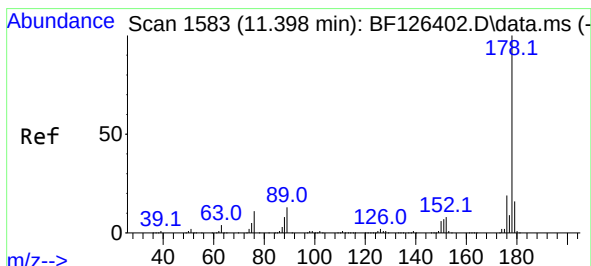
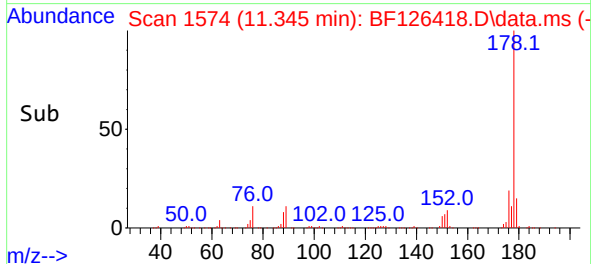
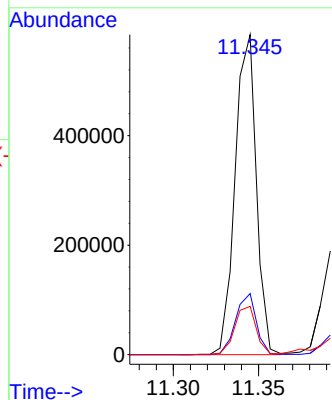
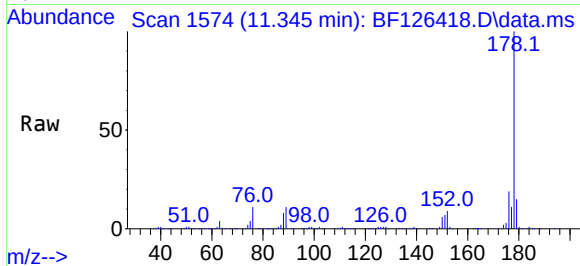
SASP2-123-1-0-5

Tgt Ion:178 Resp: 50665
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.1 12.3 18.5

Manual Integrations

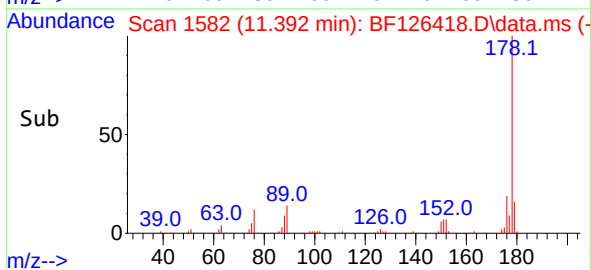
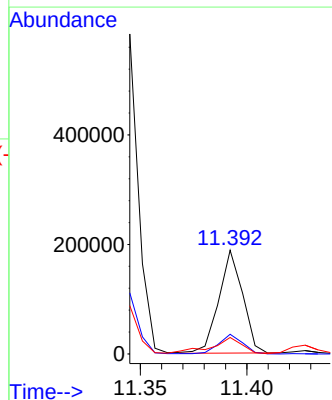
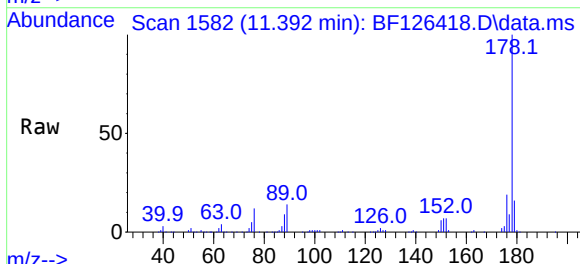
APPROVED

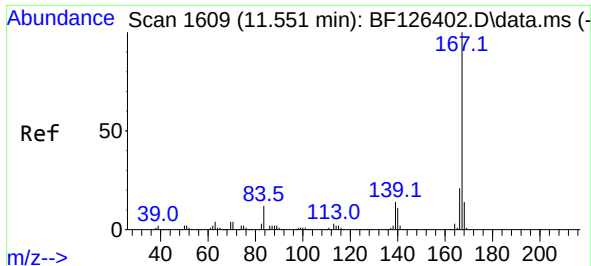
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#72
Anthracene
Concen: 8.15 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

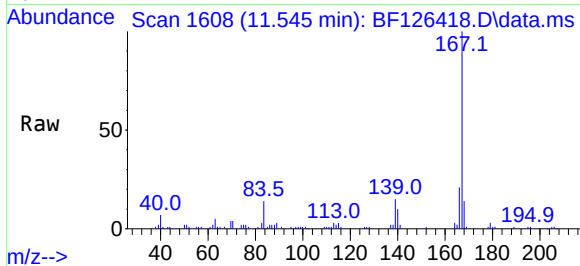
Tgt Ion:178 Resp: 146149
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.9 12.5 18.7





#73
 Carbazole
 Concen: 3.27 ng
 RT: 11.545 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

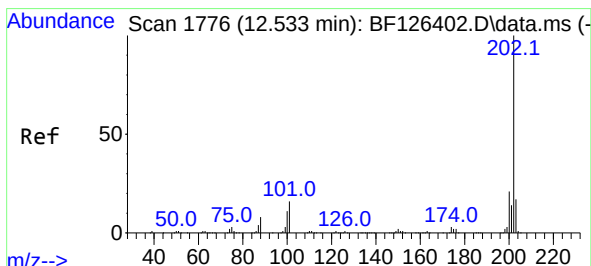
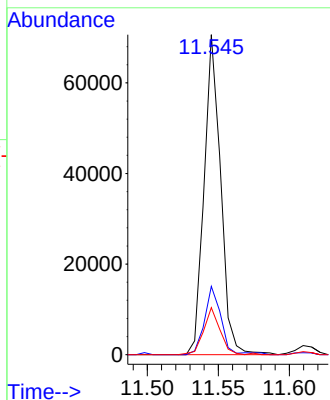
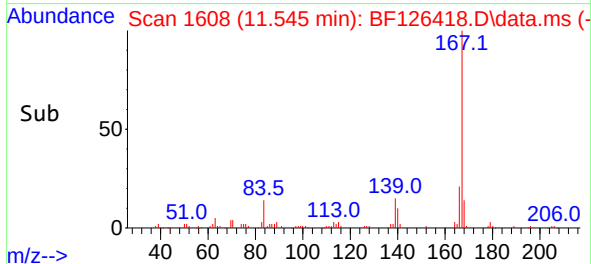
Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-0-5



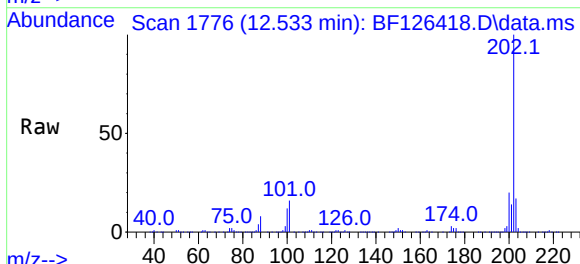
Tgt Ion:167 Resp: 57420
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.9 25.3
 139 14.7 11.3 16.9

Manual Integrations
 APPROVED

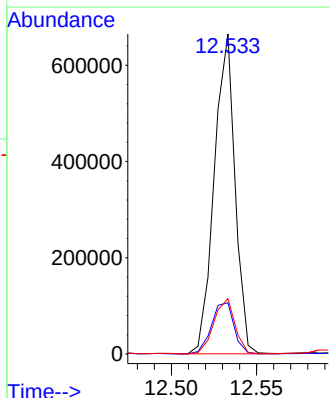
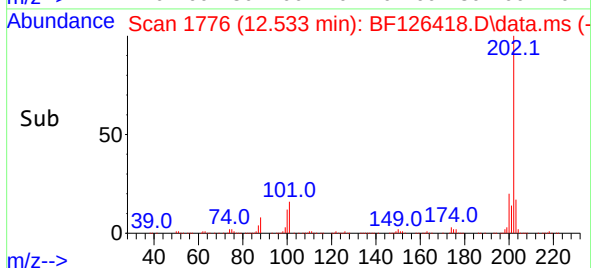
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/31/2021

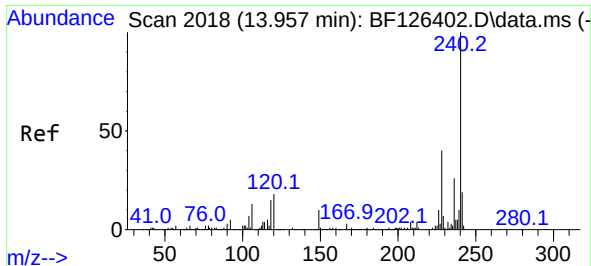


#75
 Fluoranthene
 Concen: 34.49 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. 0.000 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15



Tgt Ion:202 Resp: 563888
 Ion Ratio Lower Upper
 202 100
 101 16.0 0.0 35.7
 203 17.3 0.0 37.1





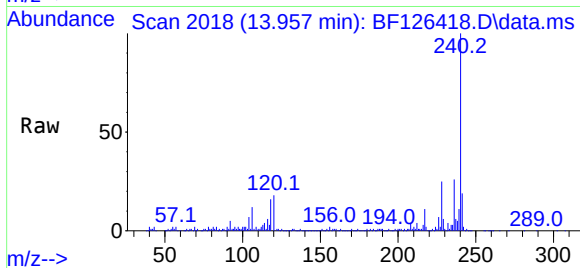
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

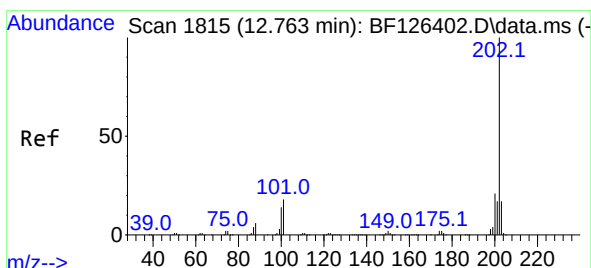
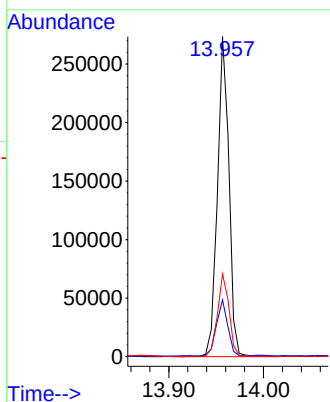
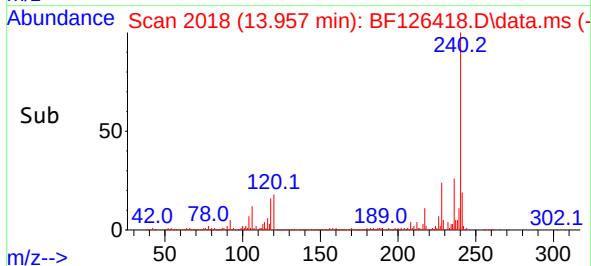


Tgt Ion:240 Resp: 232149
Ion Ratio Lower Upper
240 100
120 17.8 14.4 21.6
236 25.8 20.5 30.7

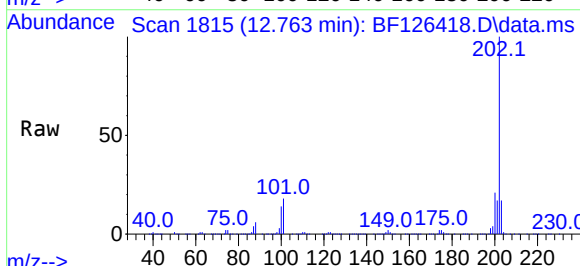
Manual Integrations

APPROVED

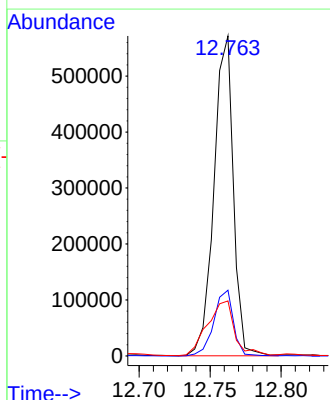
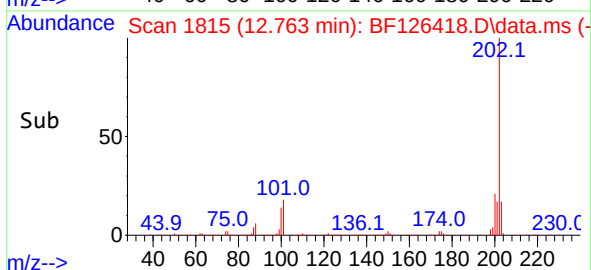
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

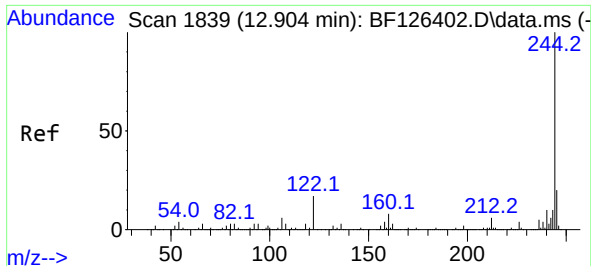


#78
Pyrene
Concen: 27.70 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15



Tgt Ion:202 Resp: 543348
Ion Ratio Lower Upper
202 100
200 20.6 16.6 24.8
203 17.2 13.8 20.8





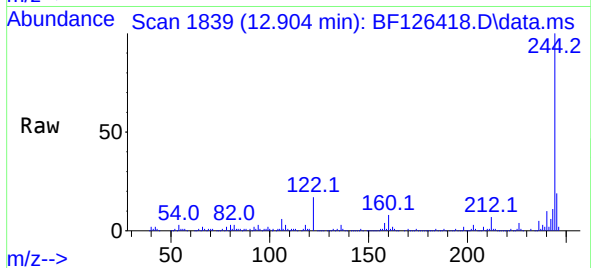
#79
 Terphenyl-d14
 Concen: 16.71 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-0-5

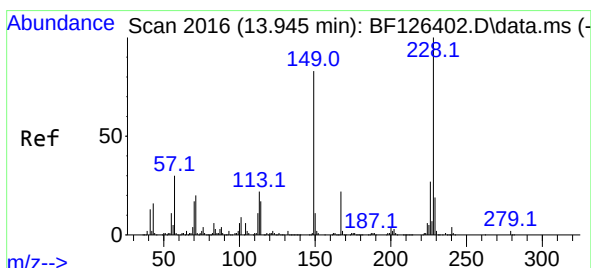
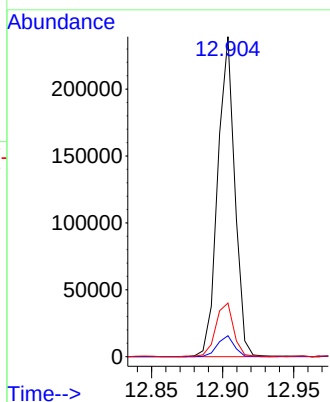
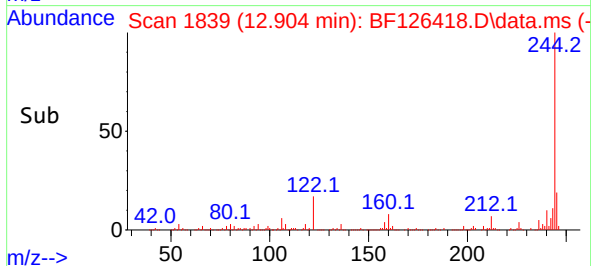


Tgt Ion:244 Resp: 199712
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 16.7 13.3 19.9

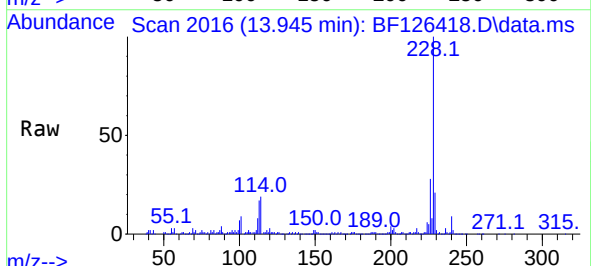
Manual Integrations

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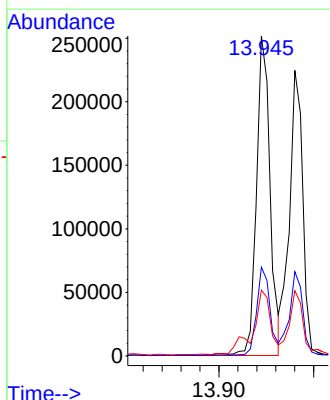
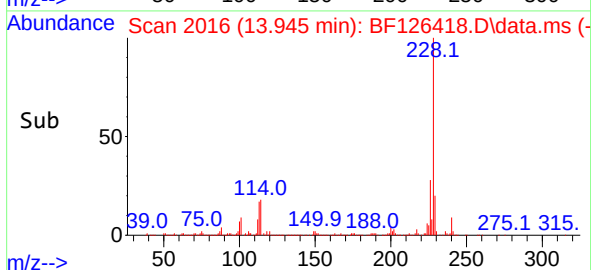
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/31/2021

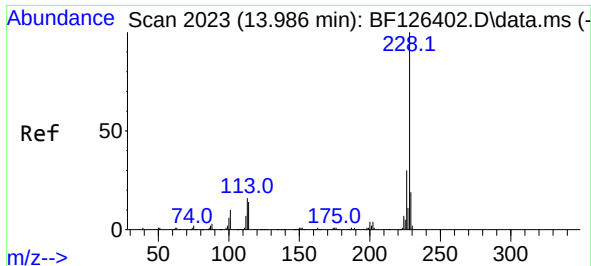


#81
 Benzo(a)anthracene
 Concen: 18.86 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BF126418.D
 Acq: 30 Dec 2021 14:15



Tgt Ion:228 Resp: 251812
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.0
 229 20.6 15.4 23.2





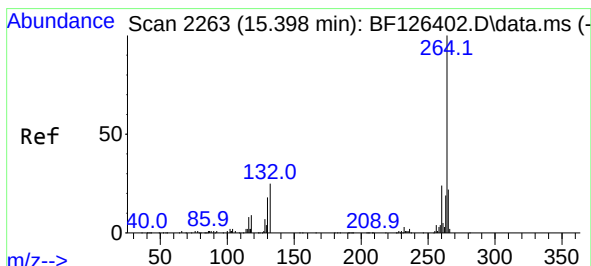
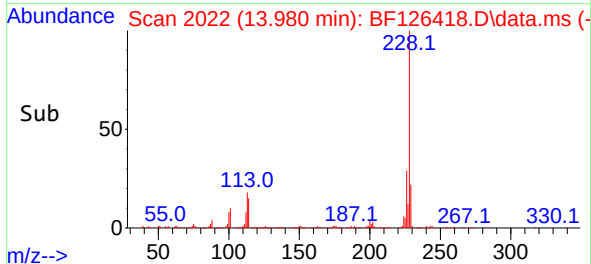
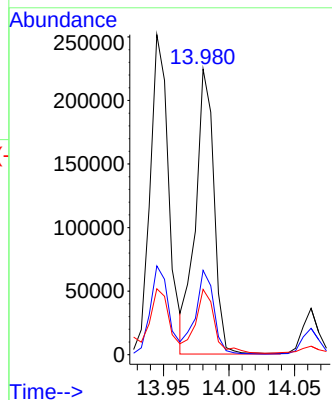
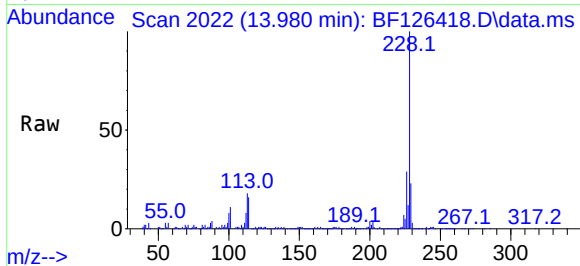
#83
Chrysene
Concen: 16.12 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5

Tgt Ion:228 Resp: 220740
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 22.9 15.5 23.3

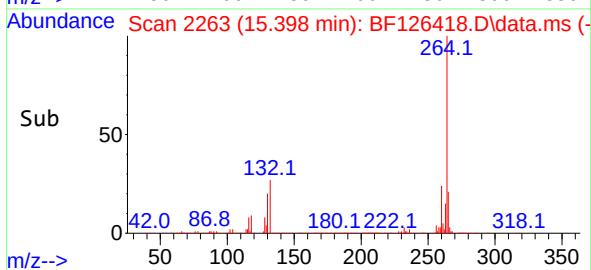
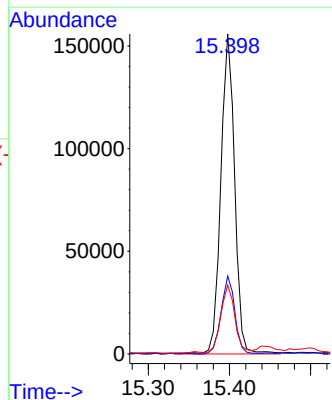
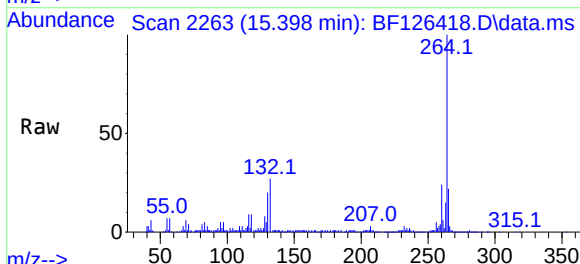
Manual Integrations
APPROVED

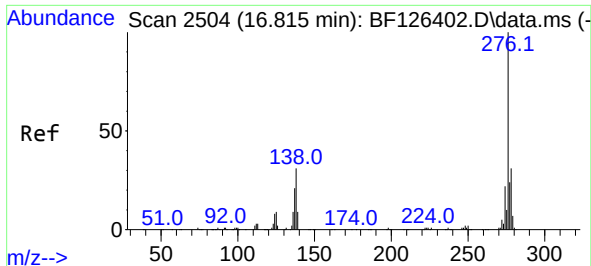
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:264 Resp: 185005
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.32 ng
RT: 16.815 min Scan# 211
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :

BNF

ClientSampleId :

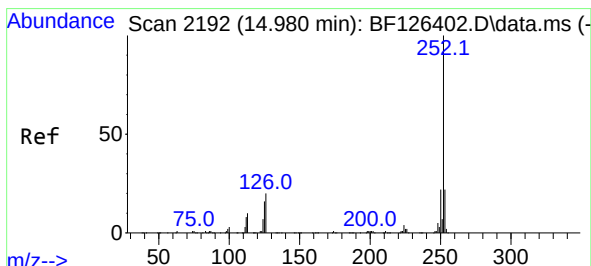
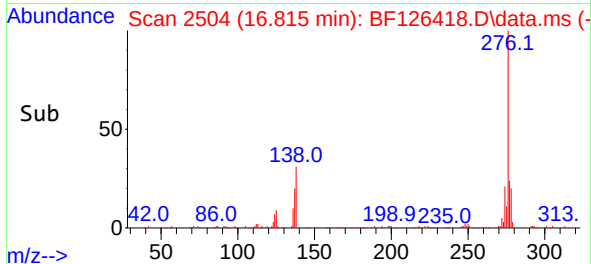
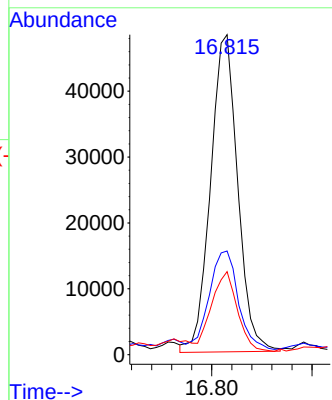
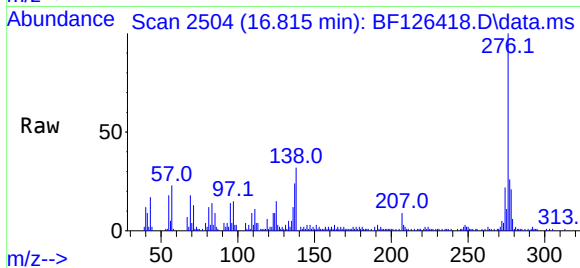
SASP2-123-1-0-5

Tgt Ion:276 Resp: 90670
Ion Ratio Lower Upper
276 100
138 33.0 29.2 43.8
277 23.7 19.8 29.8

Manual Integrations

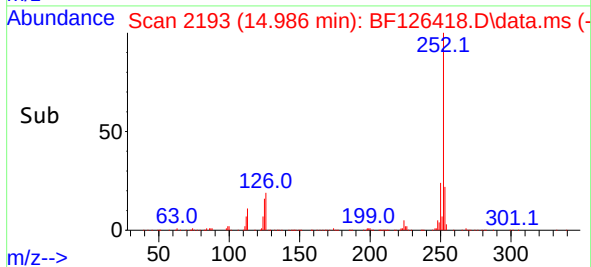
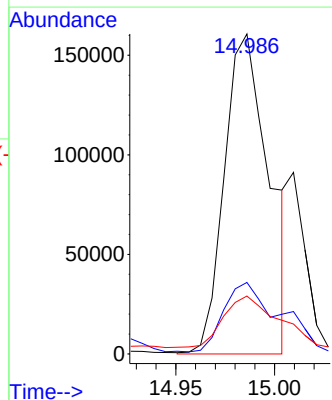
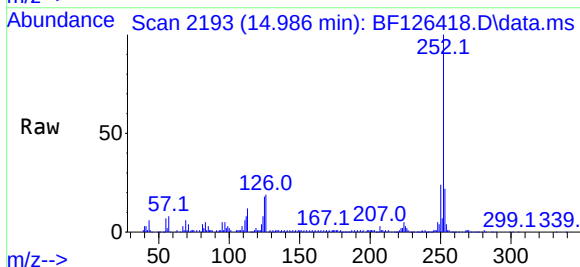
APPROVED

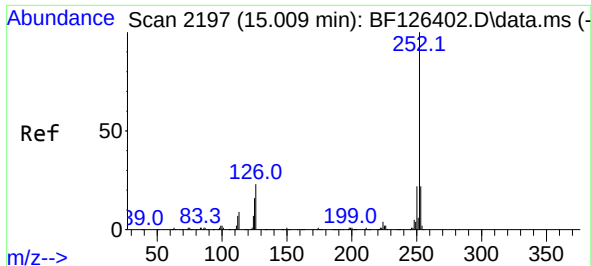
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#88
Benzo(b)fluoranthene
Concen: 22.96 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Tgt Ion:252 Resp: 253096
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 18.1 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 5.44 ng m
RT: 15.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :

BNA_F

ClientSampleId :

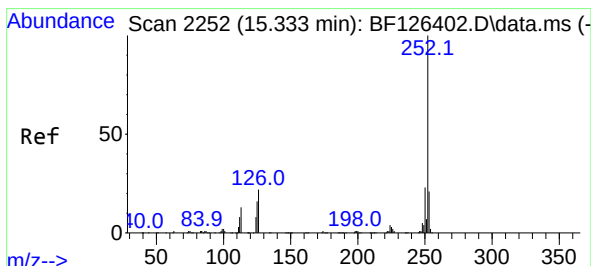
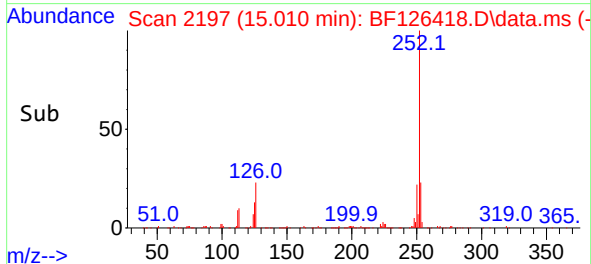
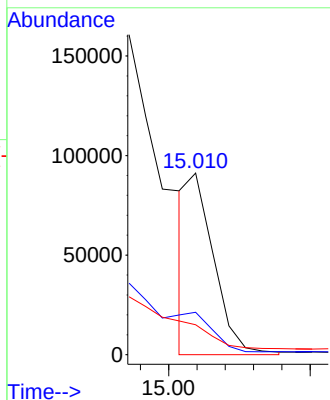
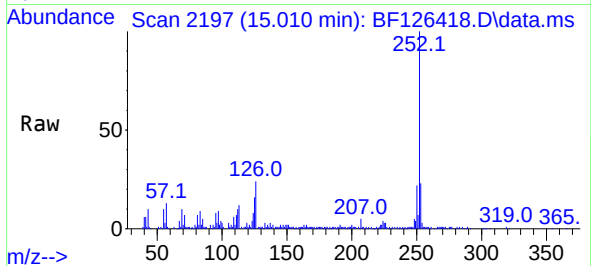
SASP2-123-1-0-5

Tgt Ion:252 Resp: 58072
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 16.5 11.8 17.6

Manual Integrations

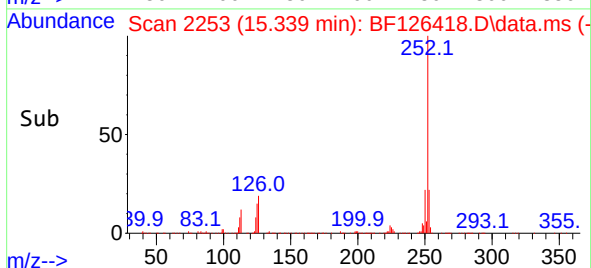
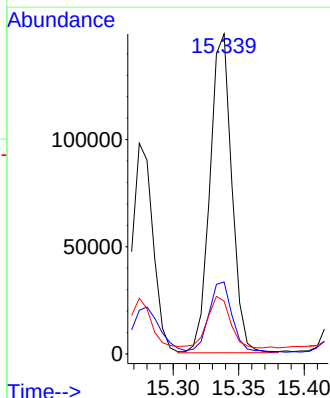
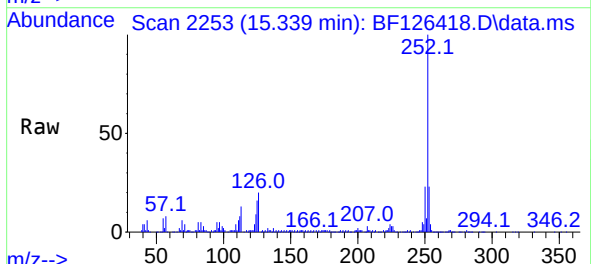
APPROVED

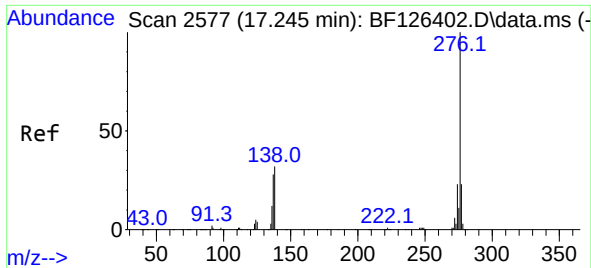
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#90
Benzo(a)pyrene
Concen: 18.66 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

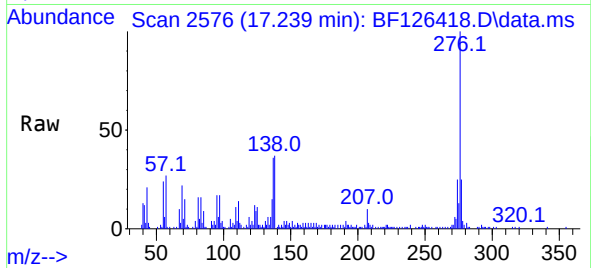
Tgt Ion:252 Resp: 172474
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 16.5 13.0 19.6





#92
Benzo(g,h,i)perylene
Concen: 7.87 ng
RT: 17.239 min Scan# 2576
Delta R.T. -0.006 min
Lab File: BF126418.D
Acq: 30 Dec 2021 14:15

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-0-5



Tgt Ion: 276 Resp: 8375
Ion Ratio Lower Upper
276 100
277 24.8 18.5 27.7
138 37.2 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

