

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126419.D
 Acq On : 30 Dec 2021 14:47
 Operator : JU/CG
 Sample : M5239-02 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-123-1-5-10

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 15:19:08 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	156501	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	631109	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	249404	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	347276	20.000	ng	0.00
76) Chrysene-d12	13.957	240	227605	20.000	ng	0.00
86) Perylene-d12	15.398	264	177376	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	241391	22.150	ng	0.00
7) Phenol-d6	6.416	99	298070	21.117	ng	-0.01
23) Nitrobenzene-d5	7.351	82	177714	14.459	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	33160	17.206	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	250611	17.682	ng	0.00
79) Terphenyl-d14	12.904	244	183828	15.692	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.863	154	56745	4.119	ng	98
58) Fluorene	10.381	166	43421	3.298	ng	98
71) Phenanthrene	11.345	178	557972	31.427	ng	99
72) Anthracene	11.392	178	153781	8.656	ng	98
73) Carbazole	11.545	167	58757	3.378	ng	100
75) Fluoranthene	12.533	202	640569	39.531	ng	98
78) Pyrene	12.763	202	610543	31.742	ng	100
81) Benzo(a)anthracene	13.945	228	294461	22.496	ng	98
83) Chrysene	13.980	228	255062	18.997	ng	95
87) Indeno(1,2,3-cd)pyrene	16.810	276	106108	8.939	ng	98
88) Benzo(b)fluoranthene	14.986	252	300789m	28.466	ng	
89) Benzo(k)fluoranthene	15.010	252	70506m	6.888	ng	
90) Benzo(a)pyrene	15.333	252	199453	22.512	ng	96
91) Dibenzo(a,h)anthracene	16.827	278	27749m	2.897	ng	
92) Benzo(g,h,i)perylene	17.239	276	107270	10.517	ng	98

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

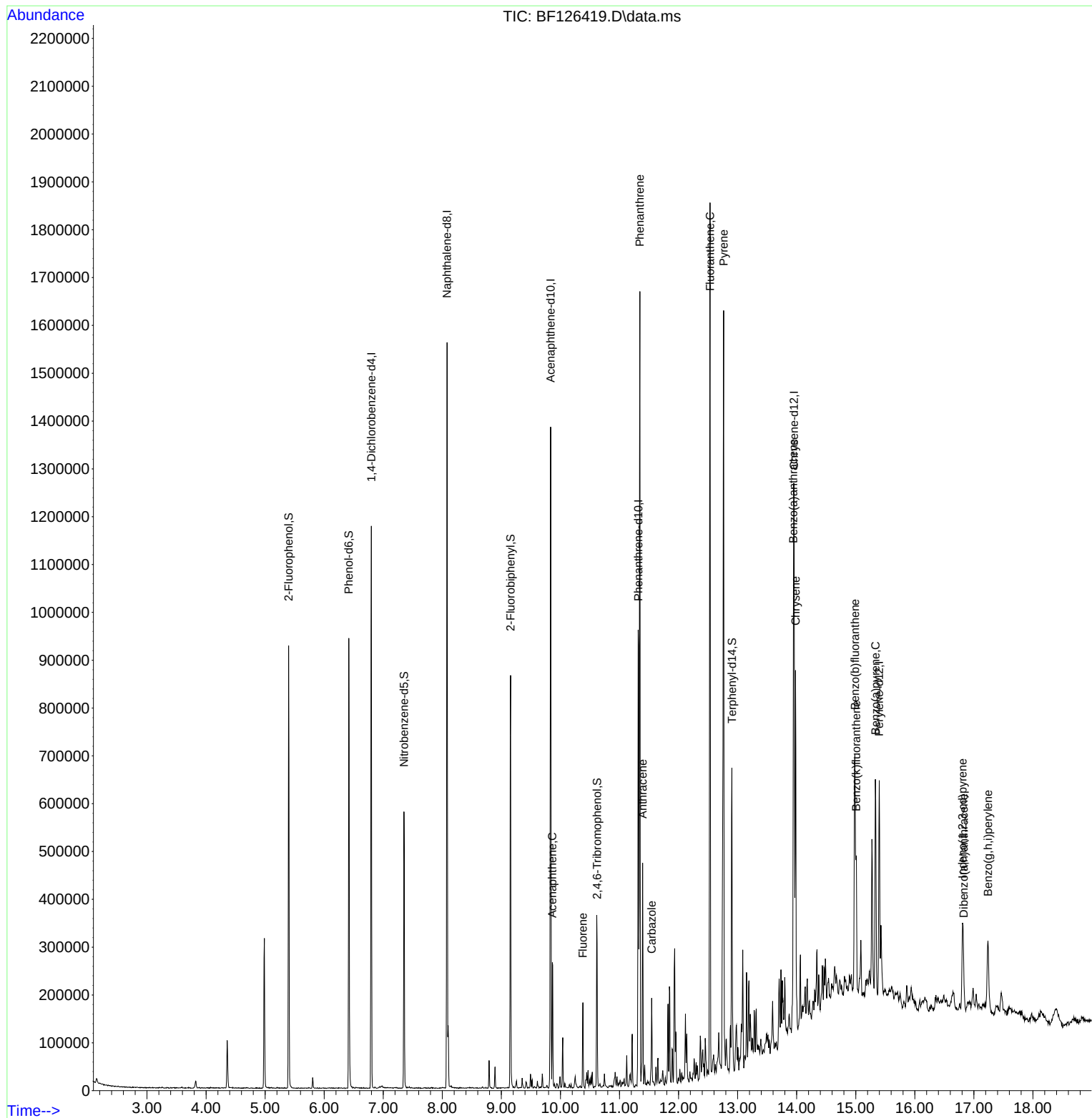
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

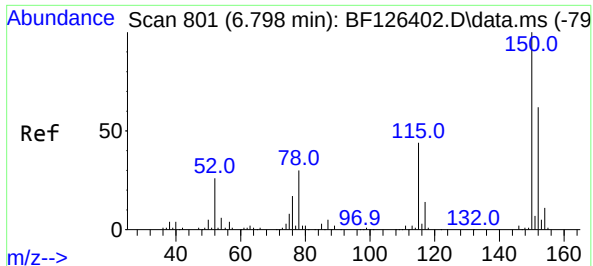
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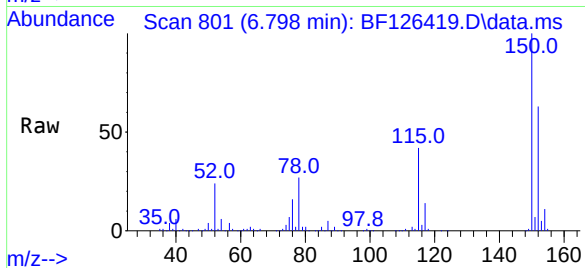
Quant Time: Dec 30 15:19:08 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 30 04:30:49 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

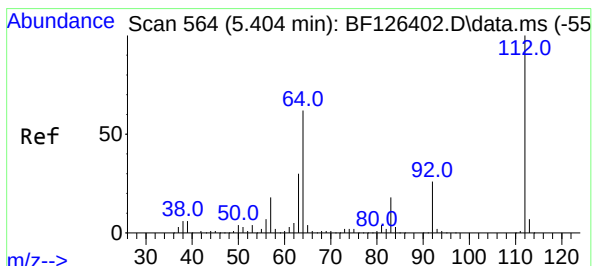
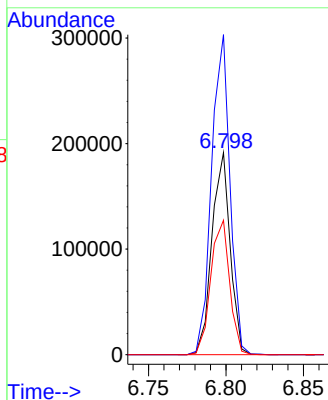
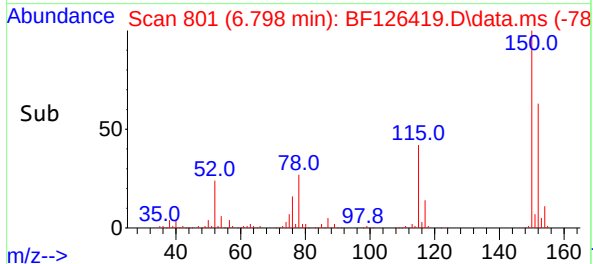
Instrument :
BNA_F
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SASP2-123-1-5-10



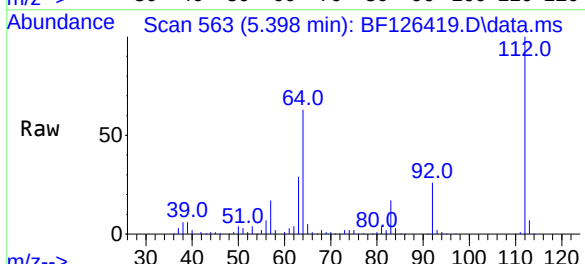
Tgt Ion:152 Resp: 15650
Ion Ratio Lower Upper
152 100
150 158.4 128.1 192.1
115 66.5 56.7 85.1

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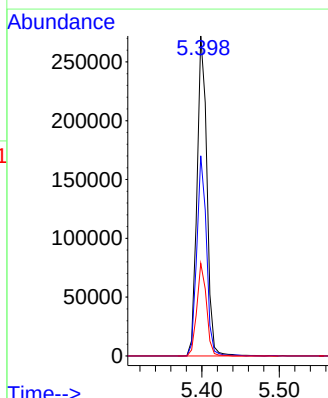
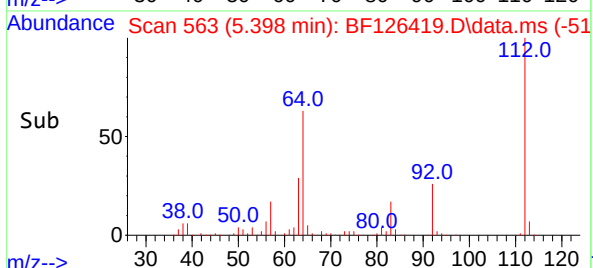
Reviewed By :Jagrut Upadhyay 12/30/2021
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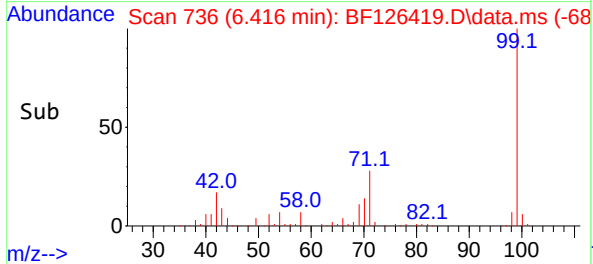
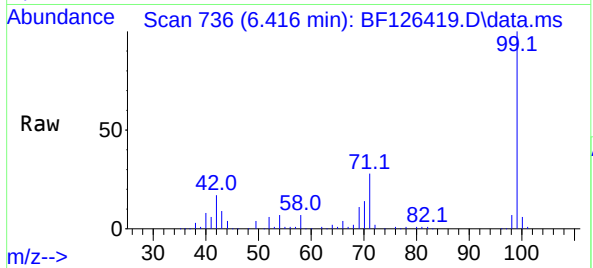
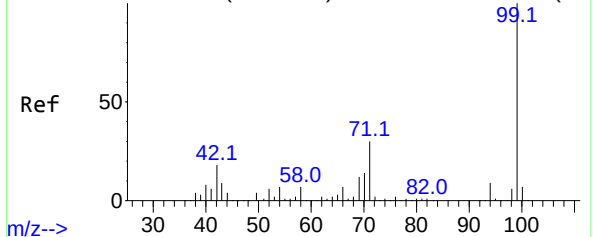
#5
2-Fluorophenol
Concen: 22.150 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47



Tgt Ion:112 Resp: 241391
Ion Ratio Lower Upper
112 100
64 62.5 49.5 74.3
63 28.9 23.9 35.9



Abundance Scan 738 (6.428 min): BF126402.D\data.ms (-73



#7

Phenol-d6

Concen: 21.117 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-5-10

Tgt Ion: 99 Resp: 298070

Ion Ratio Lower Upper

99 100

42 17.3 14.2 21.4

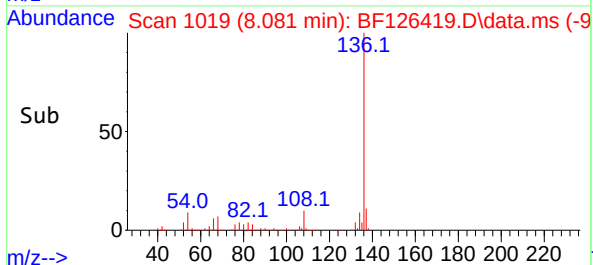
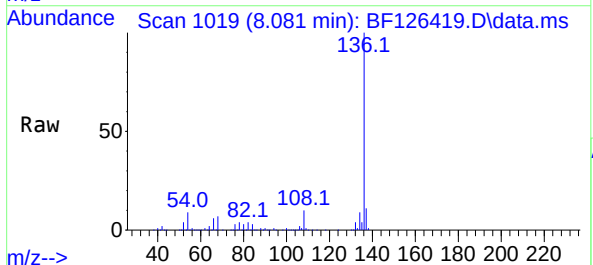
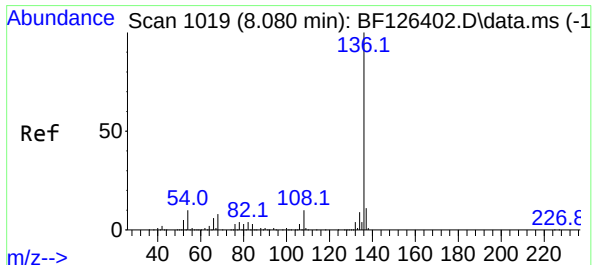
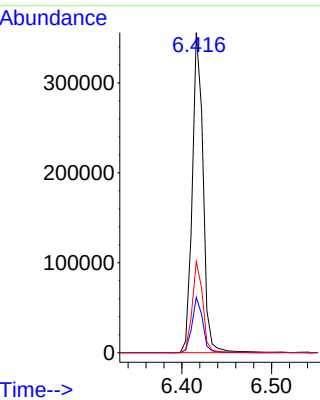
71 28.5 24.3 36.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF126419.D

Acq: 30 Dec 2021 14:47

Tgt Ion:136 Resp: 631109

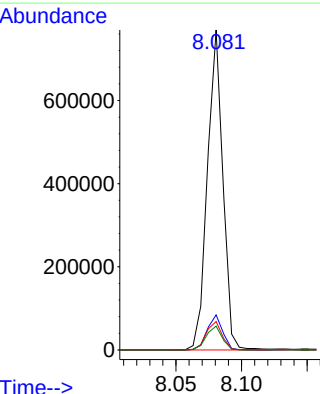
Ion Ratio Lower Upper

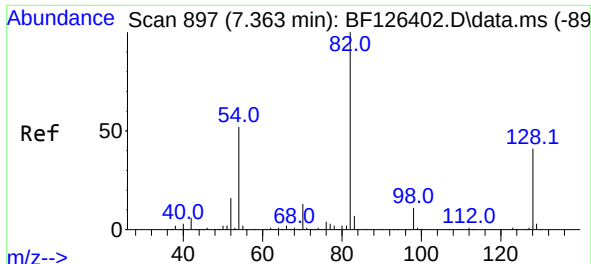
136 100

137 10.9 8.6 13.0

54 8.9 7.8 11.6

68 7.5 6.3 9.5





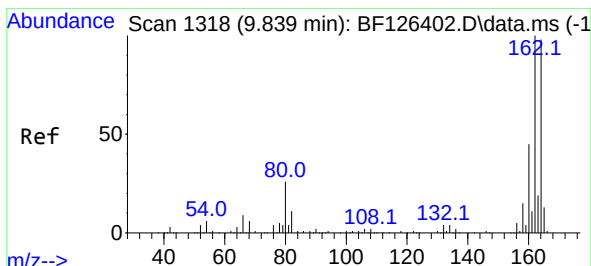
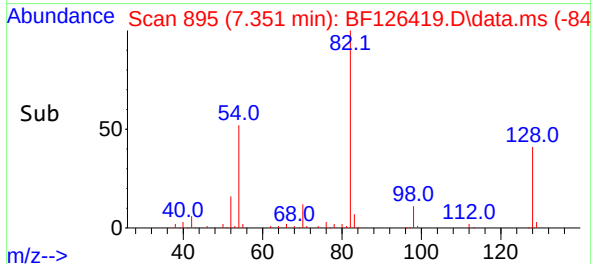
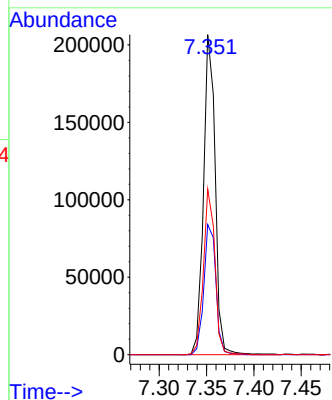
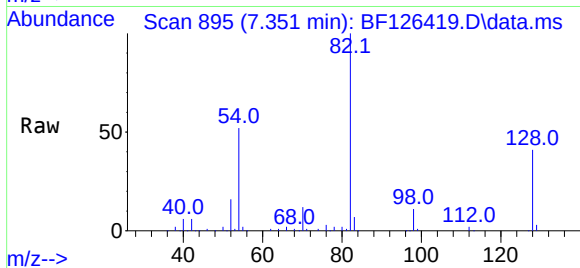
#23
Nitrobenzene-d5
Concen: 14.459 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Tgt Ion: 82 Resp: 177714
Ion Ratio Lower Upper
82 100
128 40.7 32.7 49.1
54 51.8 41.7 62.5

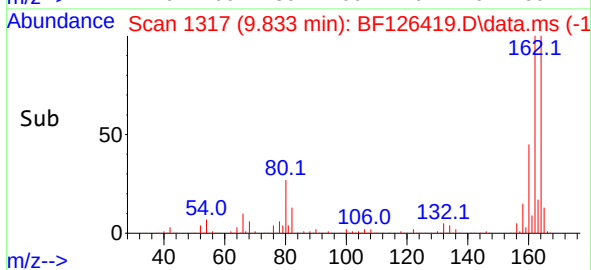
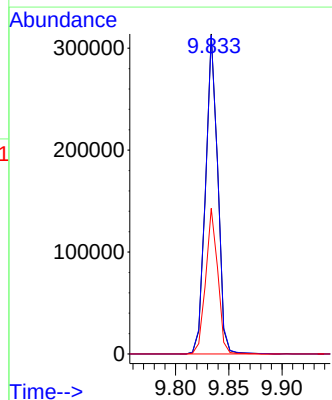
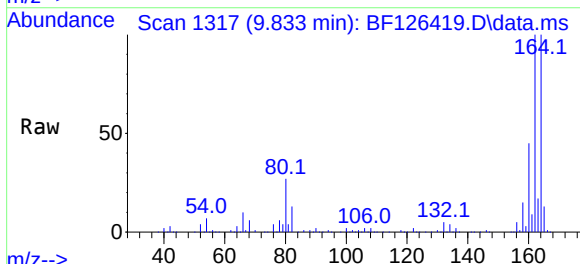
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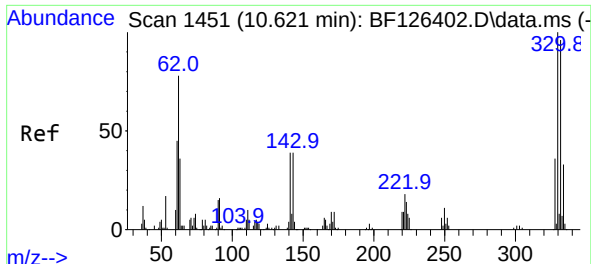
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

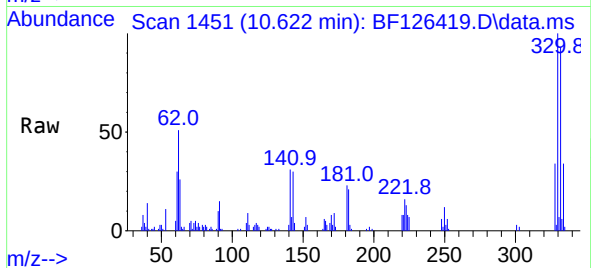
Tgt Ion:164 Resp: 249404
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 45.5 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 17.206 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

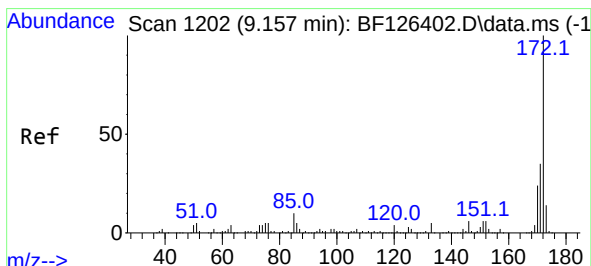
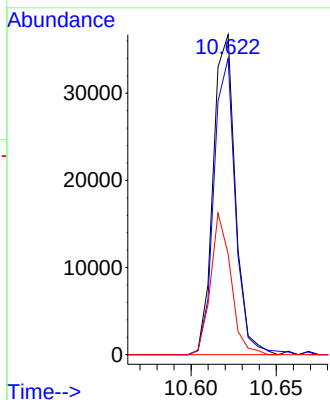
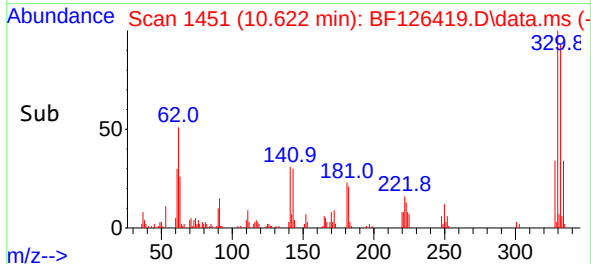
Instrument :
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ClientSampleId :
SASP2-123-1-5-10



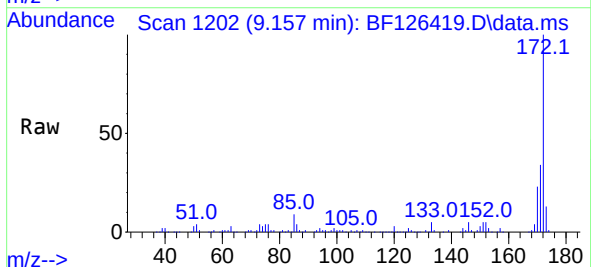
Tgt Ion: 330 Resp: 33160
Ion Ratio Lower Upper
330 100
332 91.2 76.0 114.0
141 40.4 30.1 45.1

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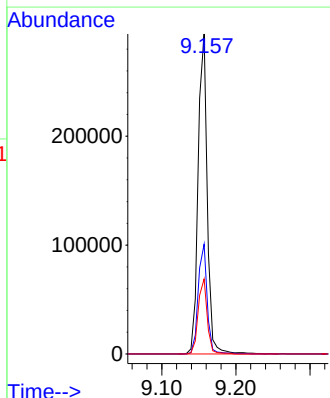
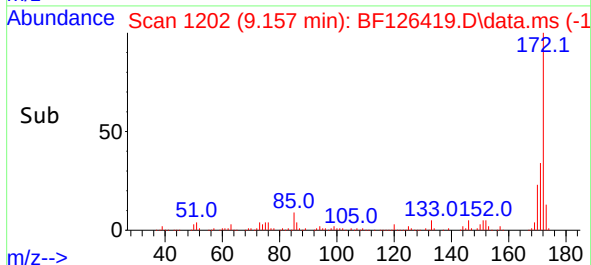
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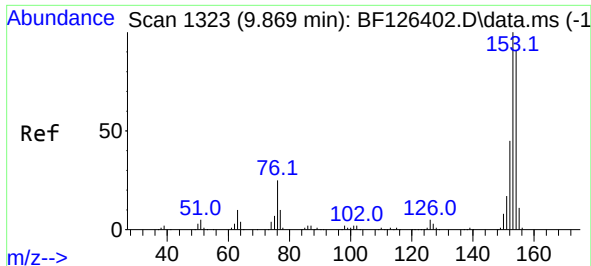


#45
2-Fluorobiphenyl
Concen: 17.682 ng
RT: 9.157 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47



Tgt Ion: 172 Resp: 250611
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.4 19.0 28.6





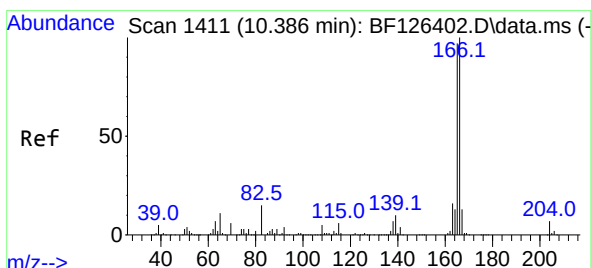
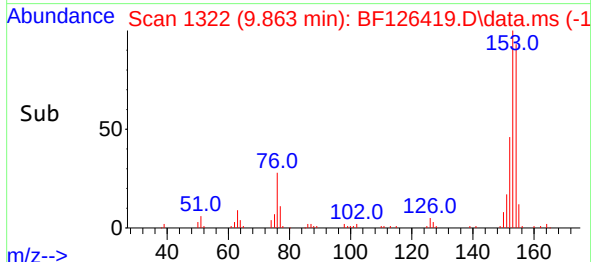
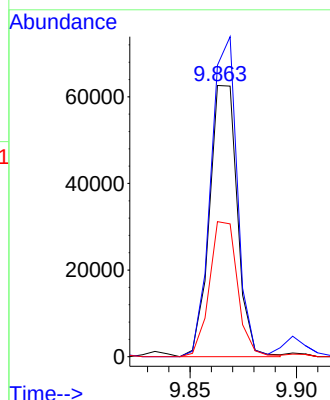
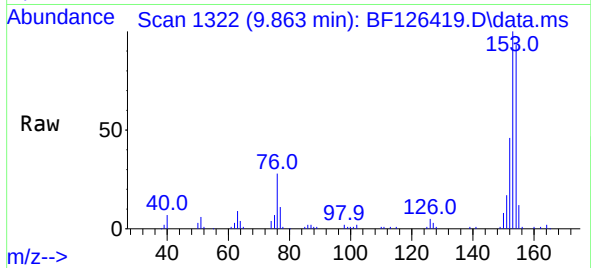
#52
Acenaphthene
Concen: 4.119 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Instrument :
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ClientSampleId :
SASP2-123-1-5-10

Tgt Ion:154 Resp: 5674
Ion Ratio Lower Upper
154 100
153 107.5 87.8 131.6
152 49.8 39.4 59.2

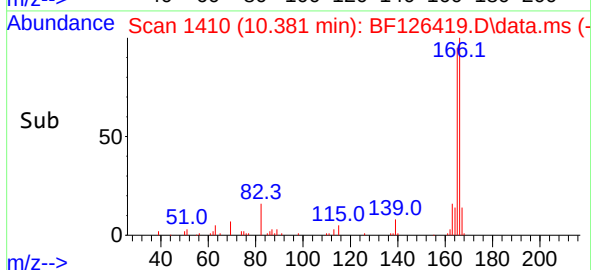
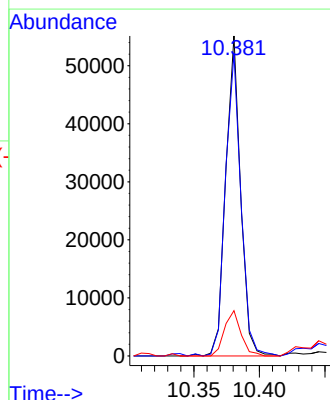
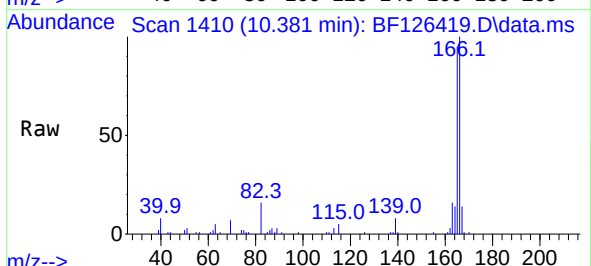
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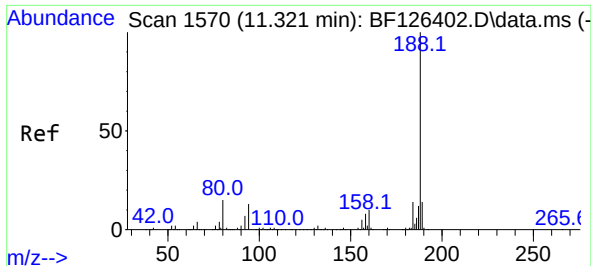
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#58
Fluorene
Concen: 3.298 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

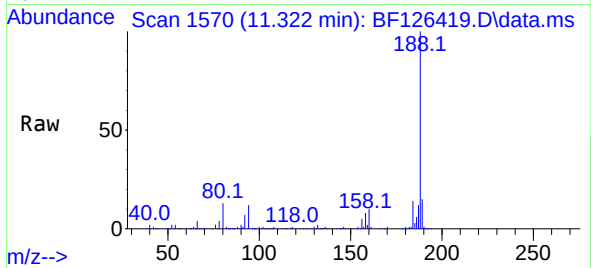
Tgt Ion:166 Resp: 43421
Ion Ratio Lower Upper
166 100
165 94.6 77.7 116.5
167 14.1 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11322
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

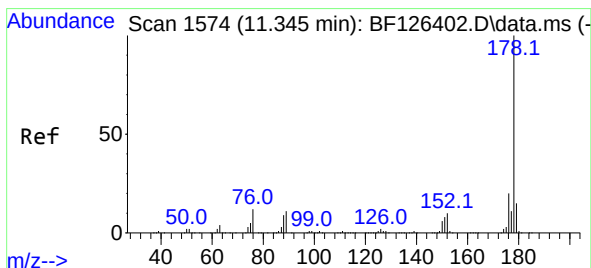
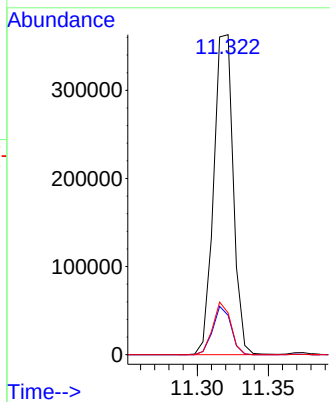
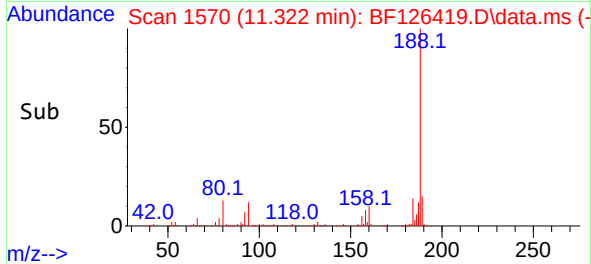
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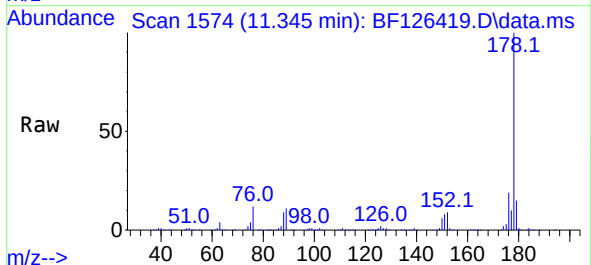
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Ion Ratio Lower Upper
188 100
94 12.3 10.1 15.1
80 13.1 11.8 17.6

Manual Integrations
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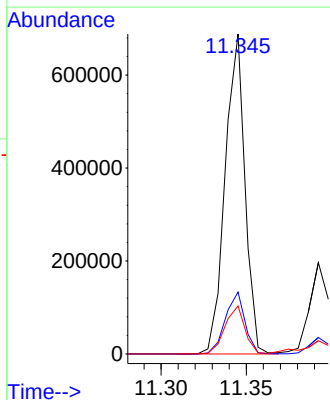
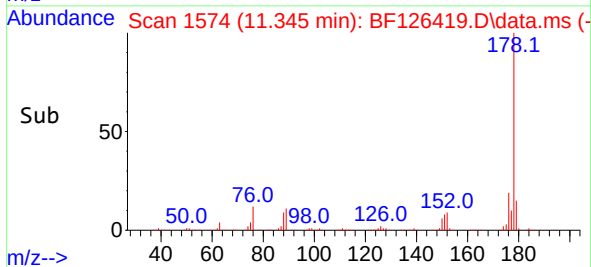
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Supervised By :mohammad ahmed 12/31/2021

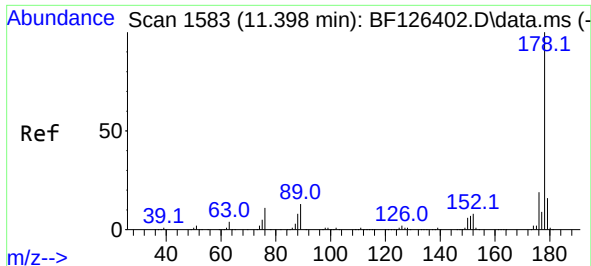


#71
Phenanthrene
Concen: 31.427 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47



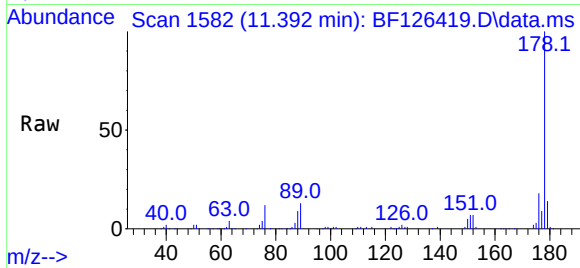
Tgt Ion:178 Resp: 557972
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.0 12.3 18.5





#72
 Anthracene
 Concen: 8.656 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126419.D
 Acq: 30 Dec 2021 14:47

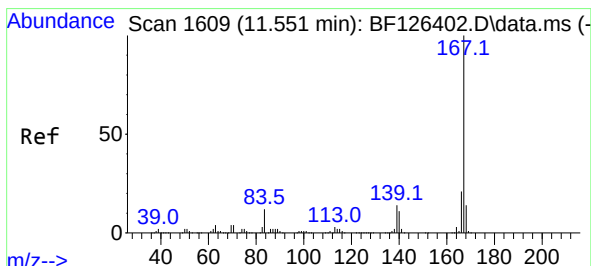
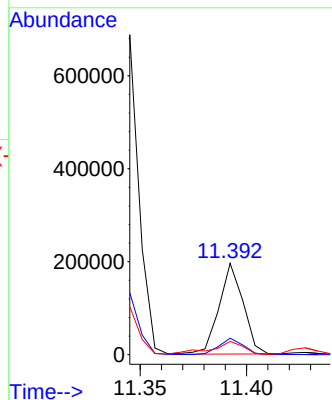
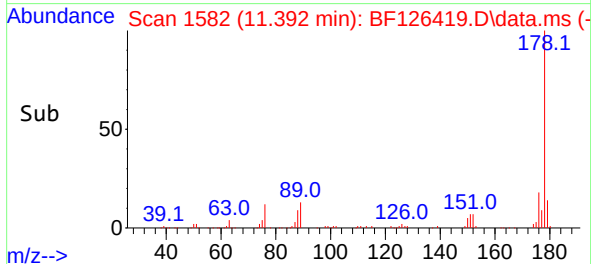
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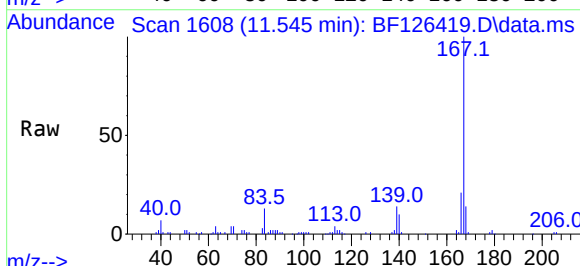
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 Ion Ratio Lower Upper
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 176 18.1 15.0 22.6
 179 14.5 12.5 18.7

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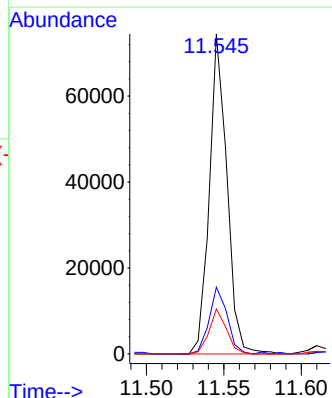
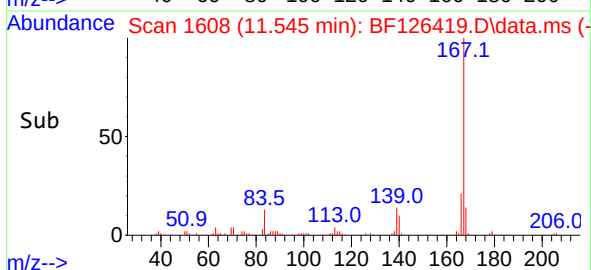
Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/31/2021

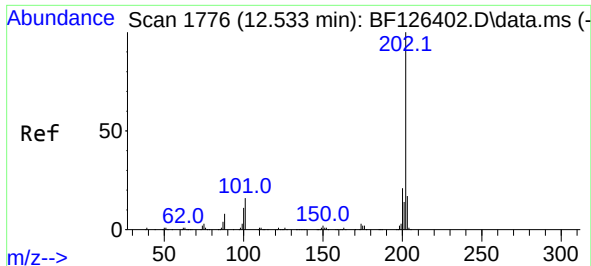


#73
 Carbazole
 Concen: 3.378 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF126419.D
 Acq: 30 Dec 2021 14:47



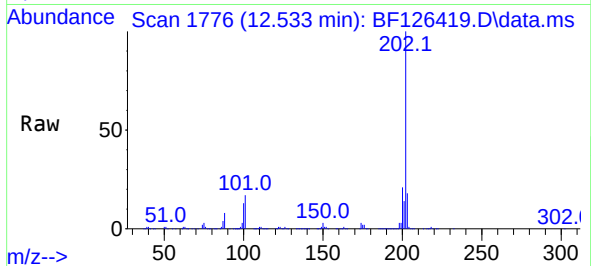
Tgt Ion:167 Resp: 58757
 Ion Ratio Lower Upper
 167 100
 166 20.9 16.9 25.3
 139 14.0 11.3 16.9





#75
Fluoranthene
Concen: 39.531 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

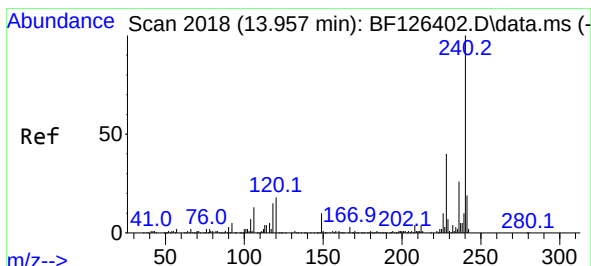
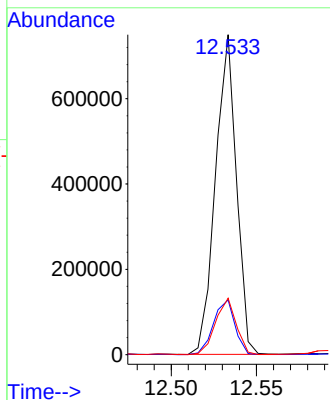
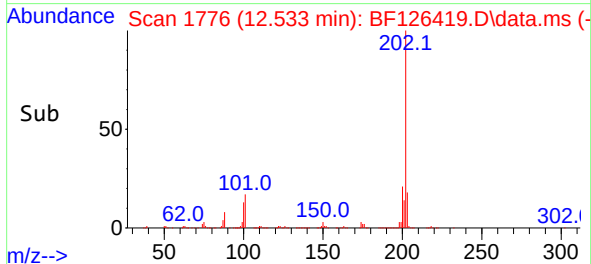
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10



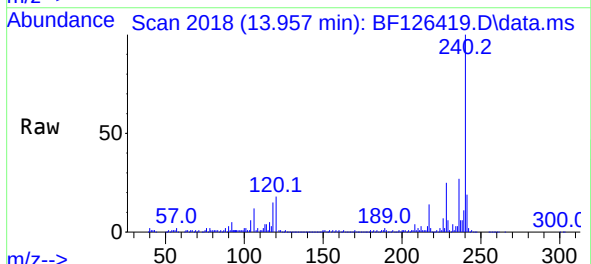
Tgt Ion:202 Resp: 640569
Ion Ratio Lower Upper
202 100
101 17.1 0.0 35.7
203 17.6 0.0 37.1

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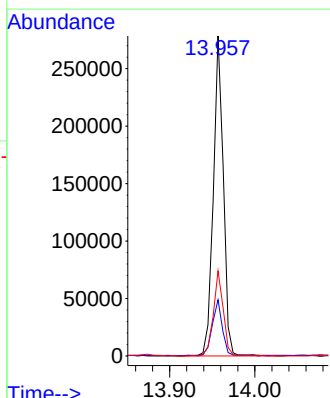
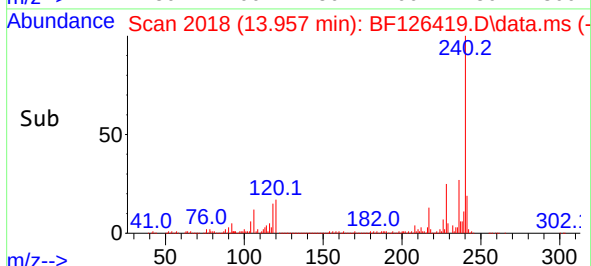
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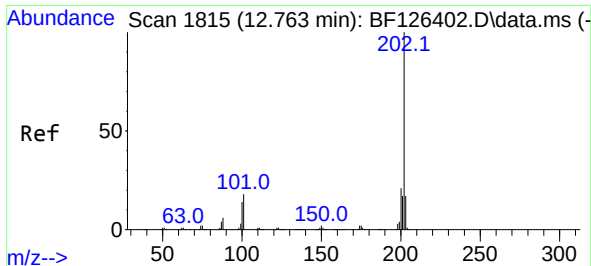


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47



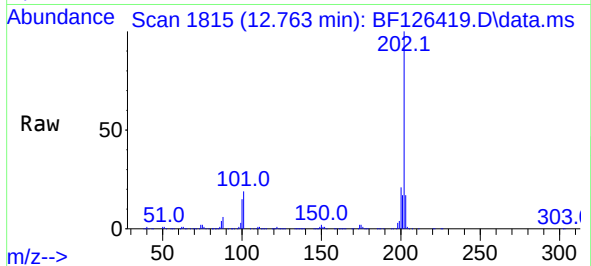
Tgt Ion:240 Resp: 227605
Ion Ratio Lower Upper
240 100
120 17.5 14.4 21.6
236 26.6 20.5 30.7





#78
Pyrene
Concen: 31.742 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

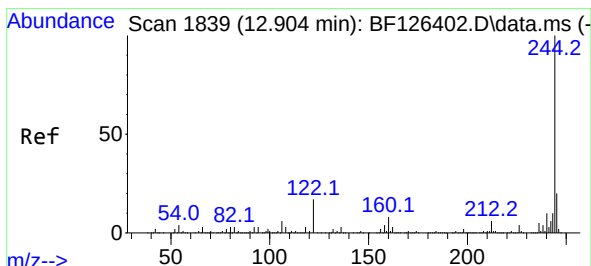
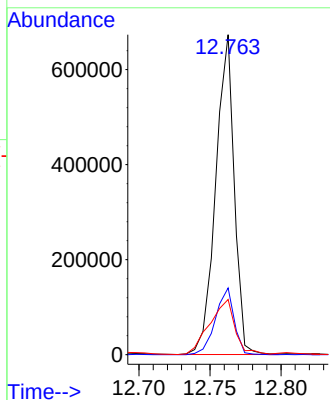
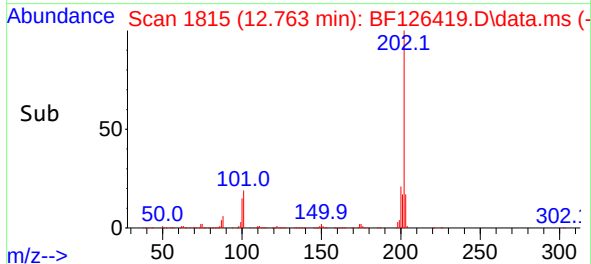
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10



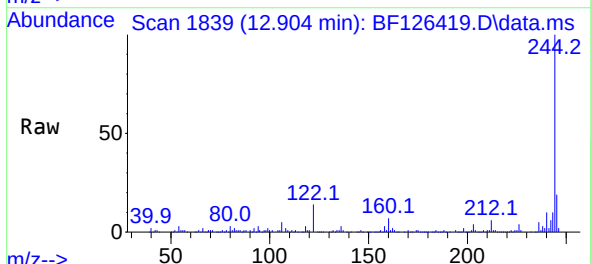
Tgt Ion:202 Resp: 61054
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 17.2 13.8 20.8

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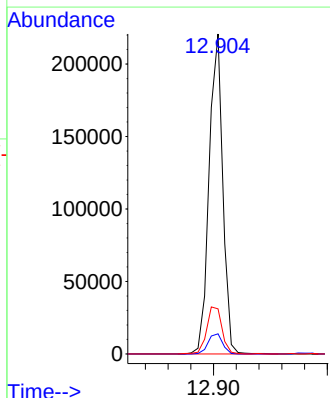
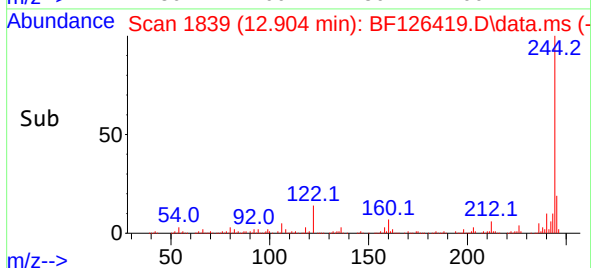
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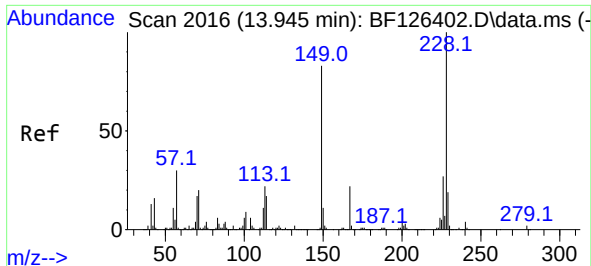


#79
Terphenyl-d14
Concen: 15.692 ng
RT: 12.904 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47



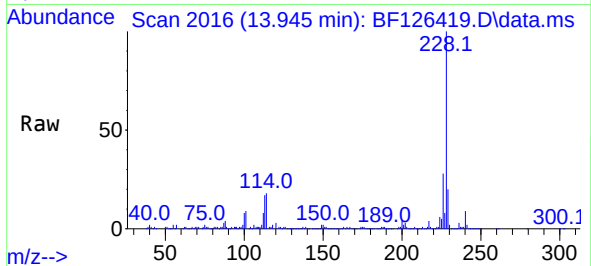
Tgt Ion:244 Resp: 183828
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 14.1 13.3 19.9





#81
Benzo(a)anthracene
Concen: 22.496 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

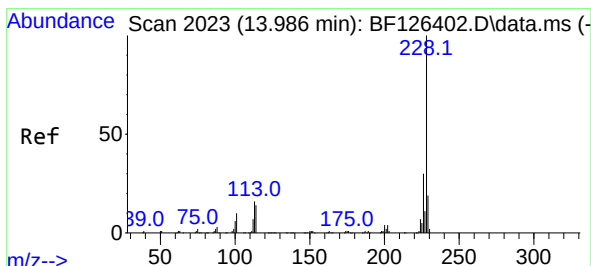
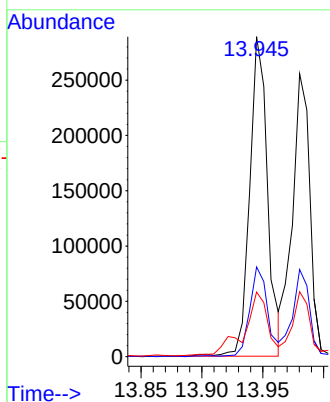
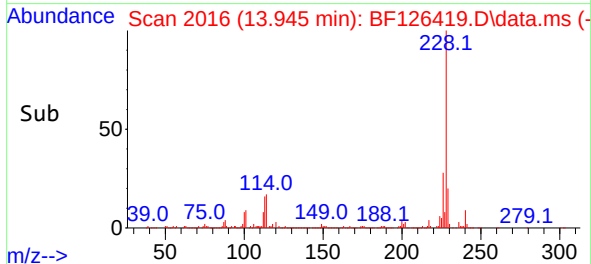
Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10



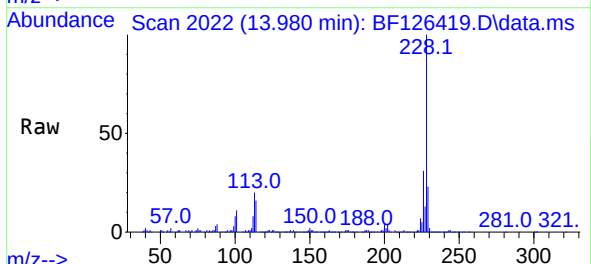
Tgt Ion:228 Resp: 29446
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 20.2 15.4 23.2

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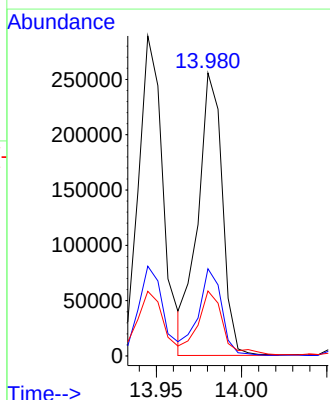
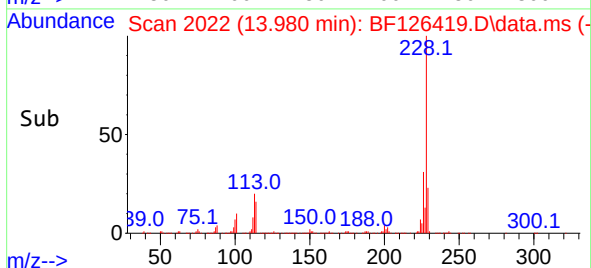
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Supervised By :mohammad ahmed 12/31/2021

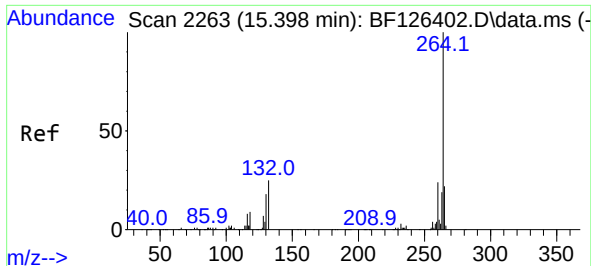


#83
Chrysene
Concen: 18.997 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47



Tgt Ion:228 Resp: 255062
Ion Ratio Lower Upper
228 100
226 30.9 23.7 35.5
229 23.0 15.5 23.3





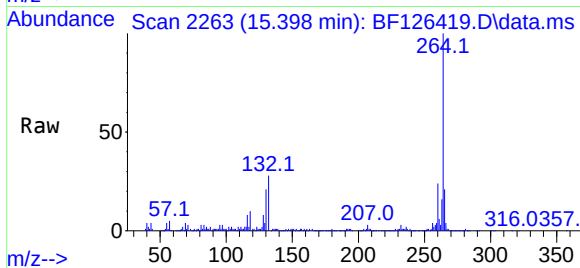
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Instrument :

BNA_F

ClientSampleId :

SASP2-123-1-5-10

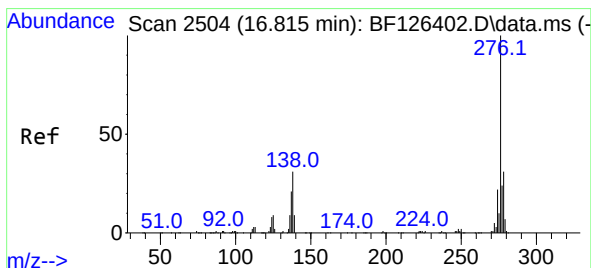
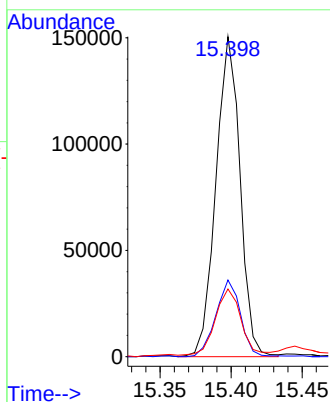
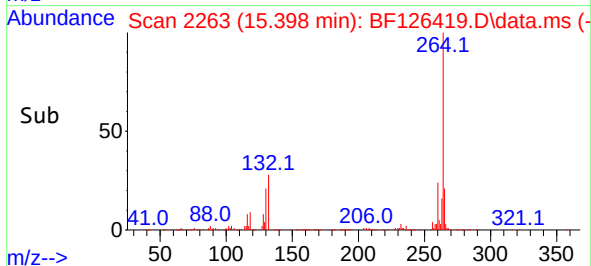


Tgt Ion:264 Resp: 177370
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.1 17.4 26.2

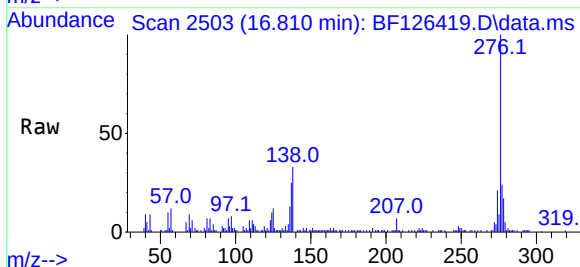
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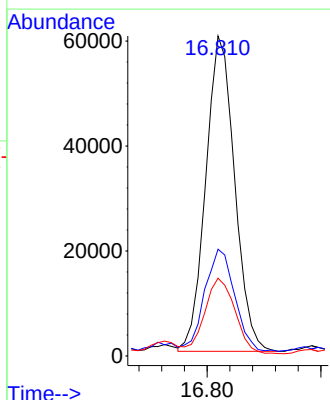
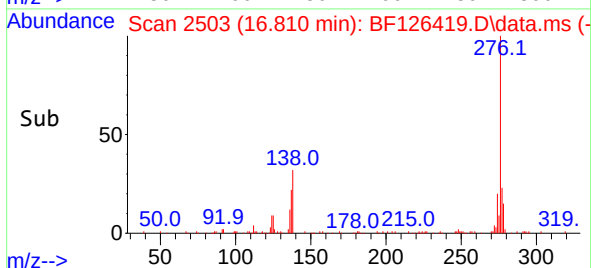
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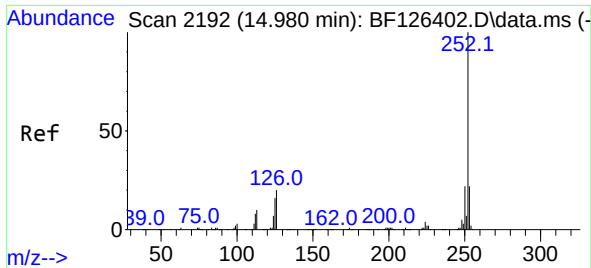


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.939 ng
RT: 16.810 min Scan# 2503
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47



Tgt Ion:276 Resp: 106108
Ion Ratio Lower Upper
276 100
138 34.9 29.2 43.8
277 24.9 19.8 29.8





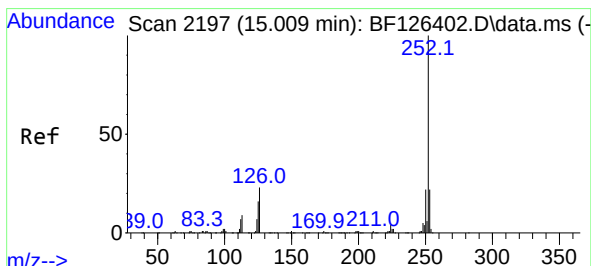
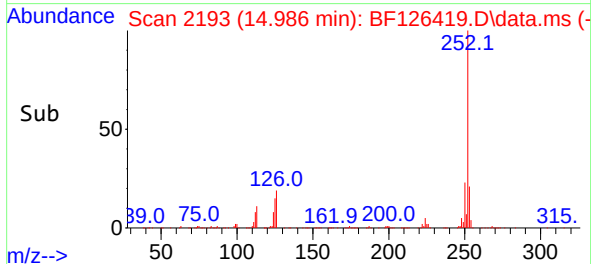
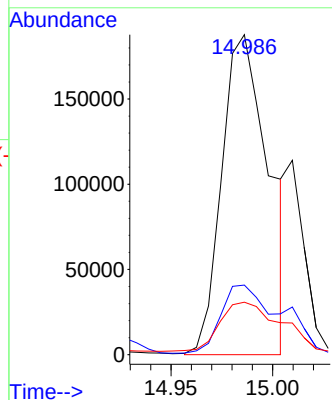
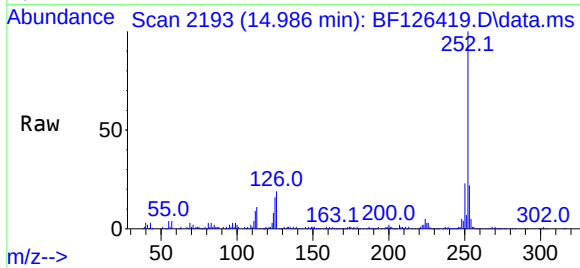
#88
Benzo(b)fluoranthene
Concen: 28.466 ng m
RT: 14.986 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Tgt Ion:252 Resp: 300789
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 16.4 12.4 18.6

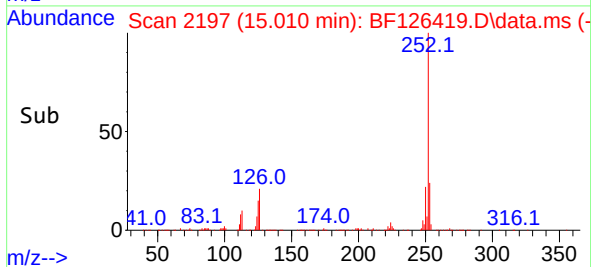
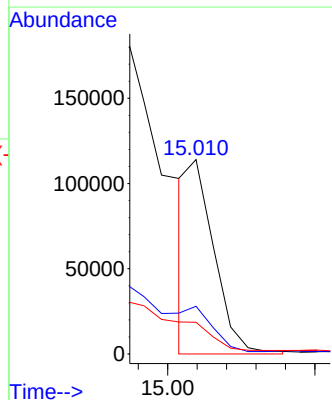
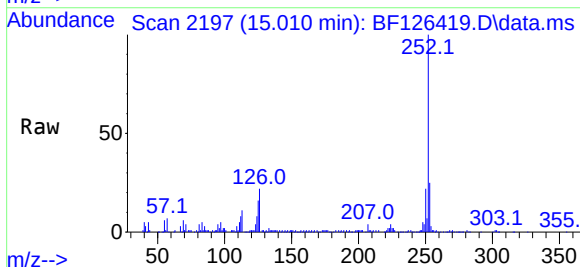
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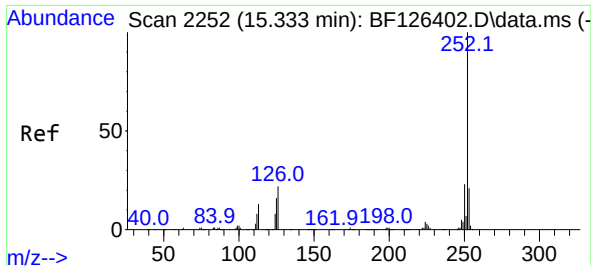
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#89
Benzo(k)fluoranthene
Concen: 6.888 ng m
RT: 15.010 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Tgt Ion:252 Resp: 70506
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 16.3 11.8 17.6





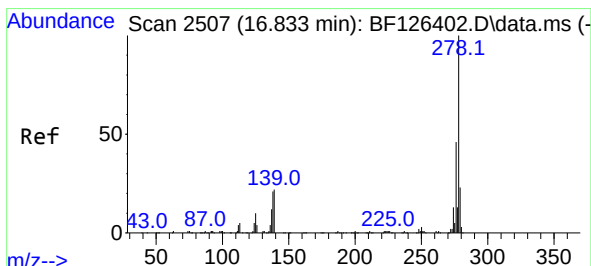
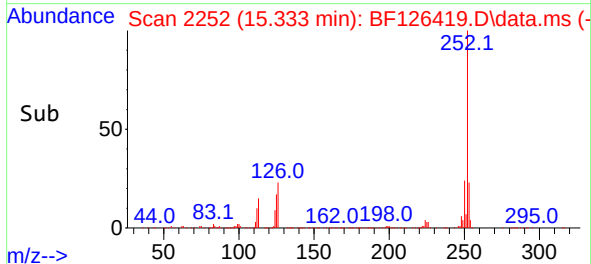
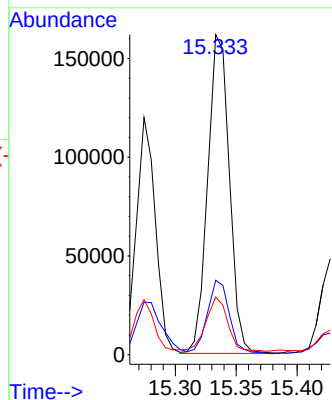
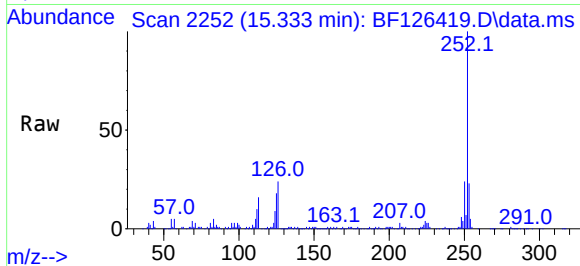
#90
Benzo(a)pyrene
Concen: 22.512 ng
RT: 15.333 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Tgt Ion:252 Resp: 19945
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 18.0 13.0 19.6

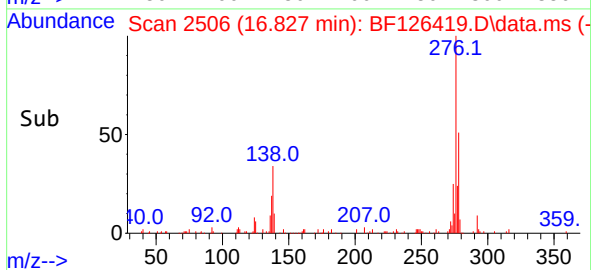
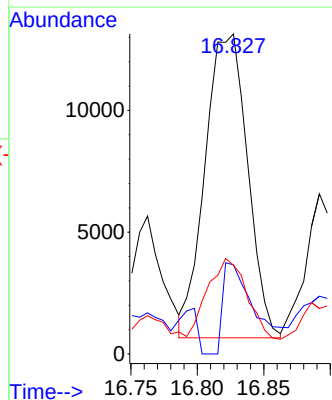
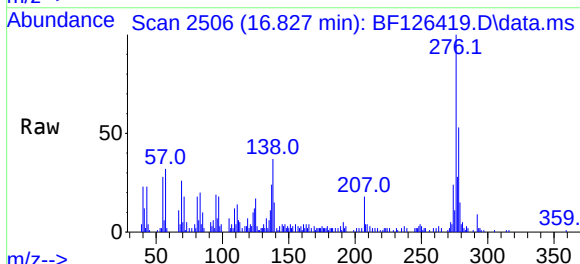
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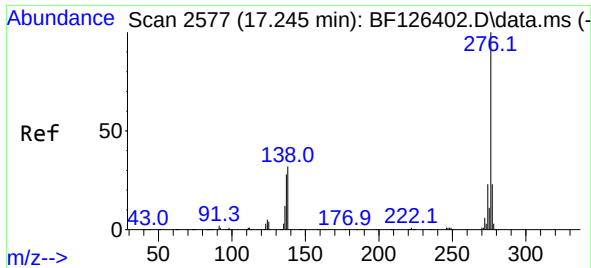
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#91
Dibenzo(a,h)anthracene
Concen: 2.897 ng m
RT: 16.827 min Scan# 2506
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

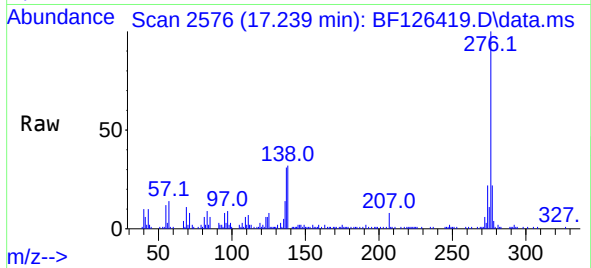
Tgt Ion:278 Resp: 27749
Ion Ratio Lower Upper
278 100
139 27.9 18.0 27.0#
279 27.7 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 10.517 ng
RT: 17.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126419.D
Acq: 30 Dec 2021 14:47

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10



Tgt Ion:276 Resp: 107270
Ion Ratio Lower Upper
276 100
277 21.7 18.5 27.7
138 32.0 25.9 38.9

Manual Integrations
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