

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061522\
 Data File : BF128826.D
 Acq On : 15 Jun 2022 15:04
 Operator : CG\JU
 Sample : N3337-01DL2 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL2

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

06/16/2022
 Supervised By :mohammad
 ahmed

Quant Time: Jun 15 15:35:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	86581	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	314659	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	158161	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	260502	20.000	ng	0.00
76) Chrysene-d12	13.957	240	177021	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	135558	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	24320	4.474	ng	0.00
7) Phenol-d6	6.439	99	27446	4.136	ng	0.00
23) Nitrobenzene-d5	7.339	82	17750	2.626	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	4830	2.585	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	36896	3.268	ng	0.00
79) Terphenyl-d14	12.898	244	31771	3.119	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.086	128	57573	3.565	ng	99
52) Acenaphthene	9.857	154	47331	5.243	ng	97
55) Dibenzofuran	10.027	168	54689	4.215	ng	98
58) Fluorene	10.369	166	65845	6.544	ng	96
71) Phenanthrene	11.339	178	487639	37.321	ng	98
72) Anthracene	11.386	178	160557	12.415	ng	97
73) Carbazole	11.545	167	25076	2.088	ng	98
75) Fluoranthene	12.533	202	638324	46.736	ng	95
78) Pyrene	12.763	202	529998	40.242	ng	99
81) Benzo(a)anthracene	13.951	228	235021	21.299	ng	99
83) Chrysene	13.986	228	187908	17.862	ng	97
87) Indeno(1,2,3-cd)pyrene	16.856	276	75318	9.218	ng	# 87
88) Benzo(b)fluoranthene	14.992	252	204378m	23.595	ng	
89) Benzo(k)fluoranthene	15.021	252	74492m	9.142	ng	
90) Benzo(a)pyrene	15.357	252	153102m	22.489	ng	
91) Dibenzo(a,h)anthracene	16.868	278	20340m	3.001	ng	
92) Benzo(g,h,i)perylene	17.298	276	68154	10.147	ng	# 89

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

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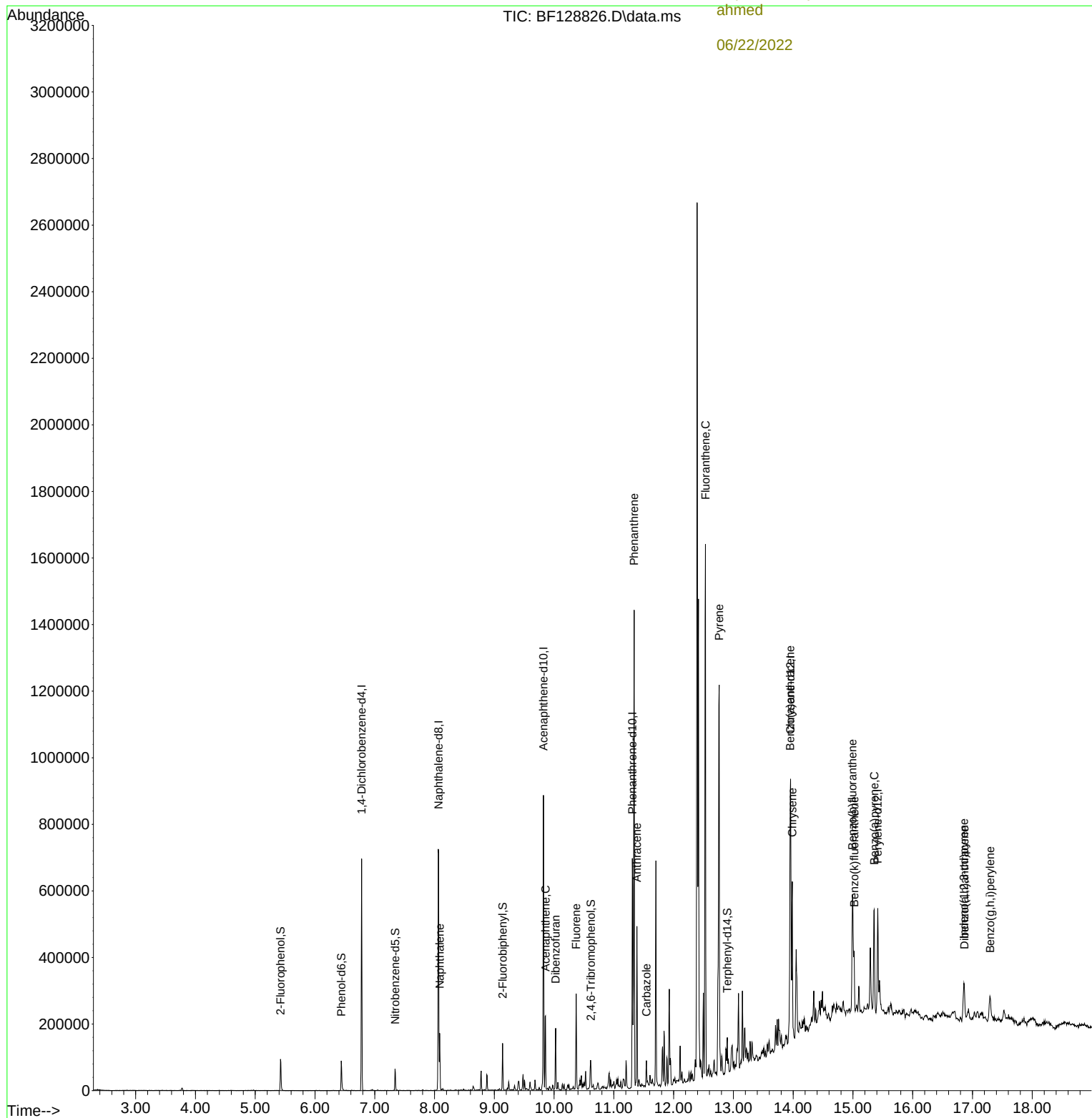
Quant Time: Jun 15 15:35:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 14 14:53:53 2022
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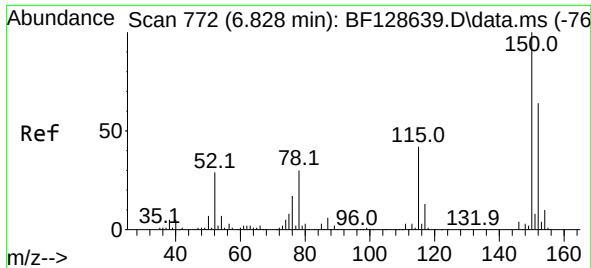
Manual Integrations
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Reviewed By :Jagrut
Upadhyay

06/16/2022
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ahmed

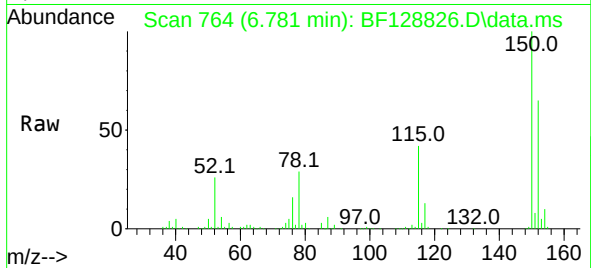
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128826.D
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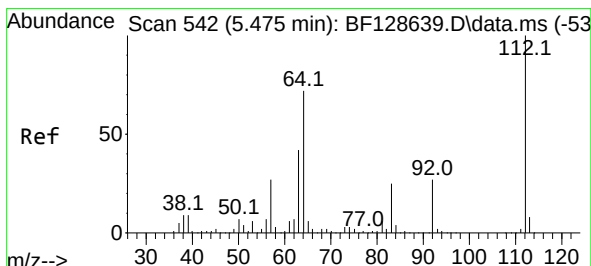
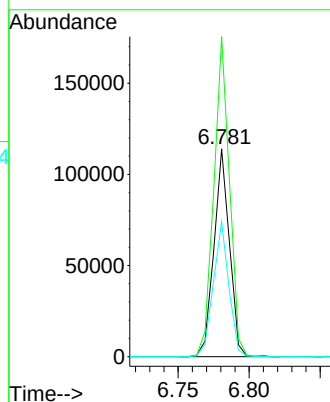
Tgt Ion:152 Resp: 8658
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 65.0 49.9 74.9

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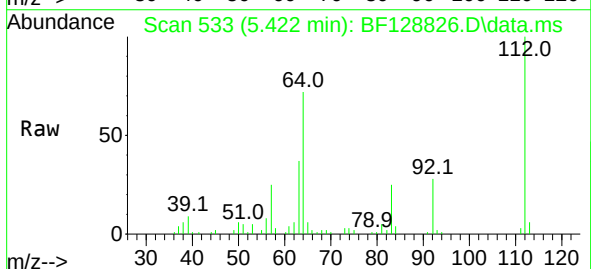
Reviewed By :Jagrut
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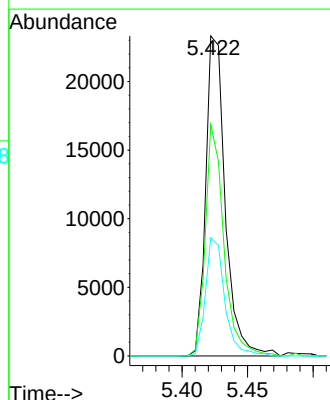
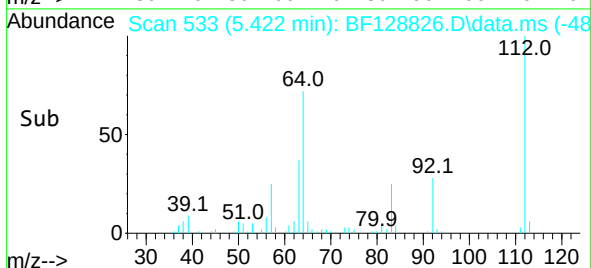
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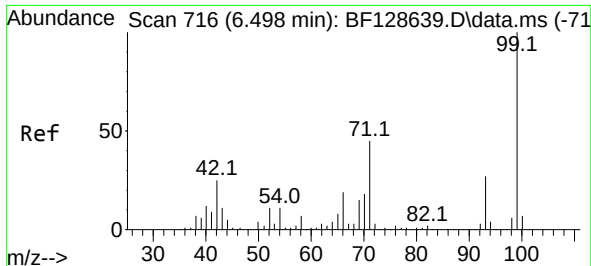


#5
2-Fluorophenol
Concen: 4.474 ng
RT: 5.422 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04



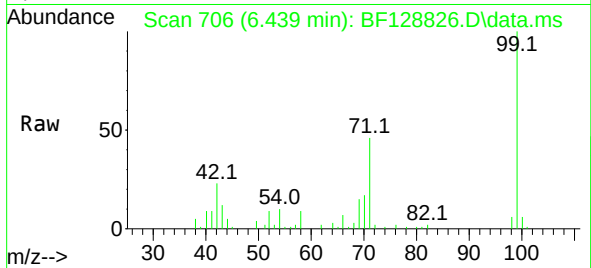
Tgt Ion:112 Resp: 24320
Ion Ratio Lower Upper
112 100
64 72.3 53.3 79.9
63 37.0 28.0 42.0





#7
Phenol-d6
Concen: 4.136 ng
RT: 6.439 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



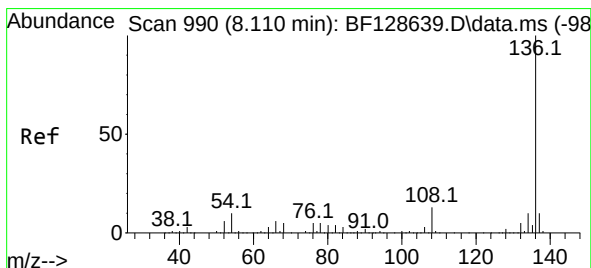
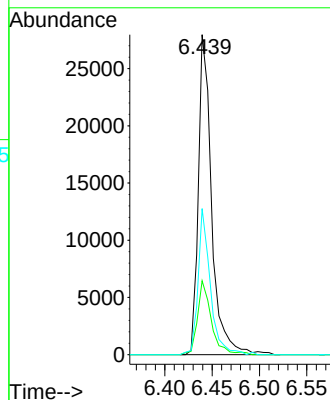
Tgt Ion: 99 Resp: 27440
Ion Ratio Lower Upper
99 100
42 23.1 17.3 25.9
71 45.6 28.9 43.3

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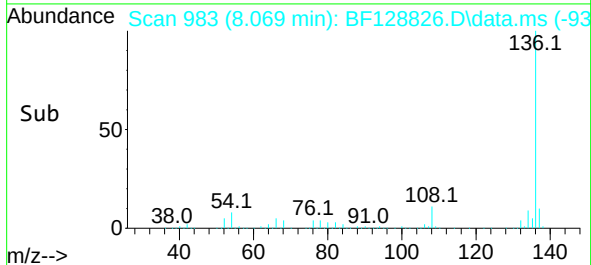
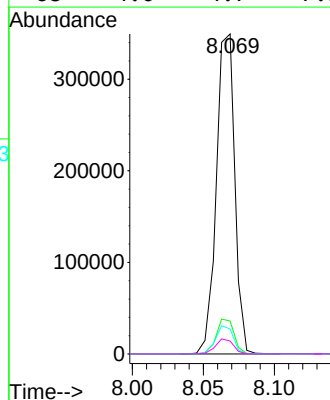
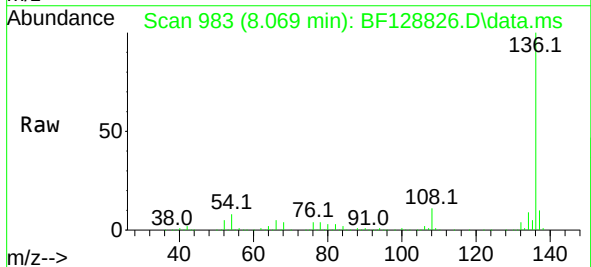
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Supervised By :mohammad
ahmed

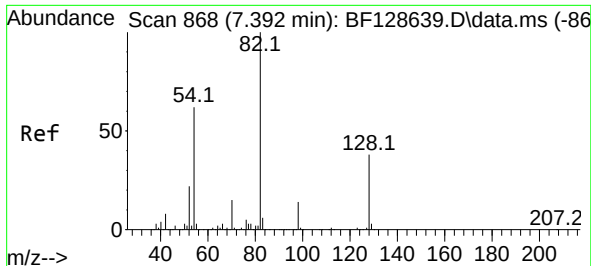
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

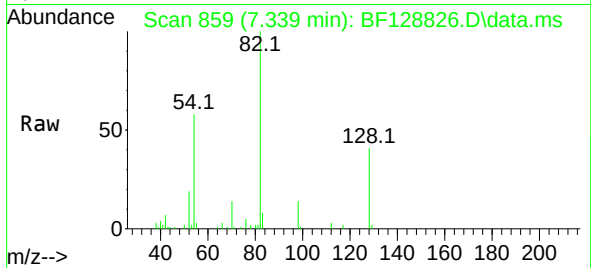
Tgt Ion:136 Resp: 314659
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 7.8 7.5 11.3
68 4.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 2.626 ng
RT: 7.339 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



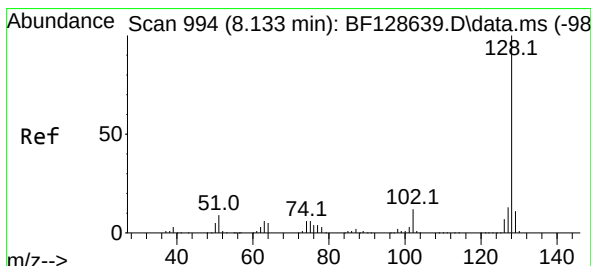
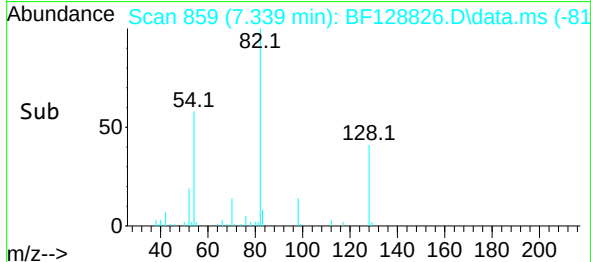
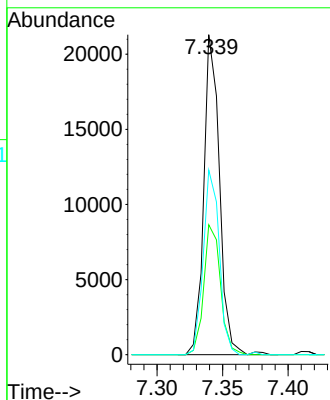
Tgt Ion: 82 Resp: 17750
Ion Ratio Lower Upper
82 100
128 40.6 34.0 51.0
54 57.7 46.9 70.3

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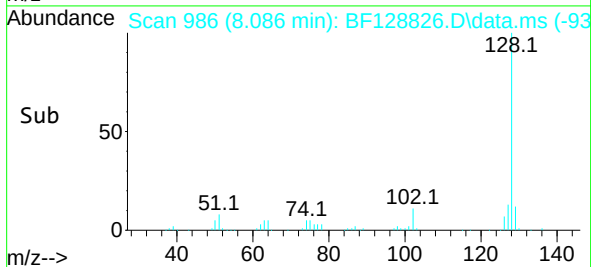
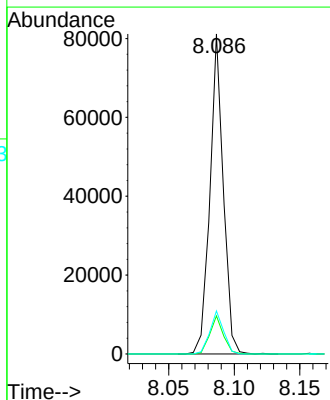
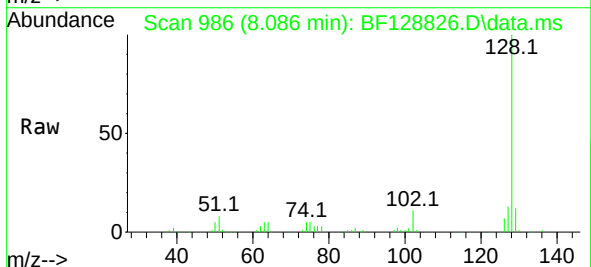
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Supervised By :mohammad
ahmed

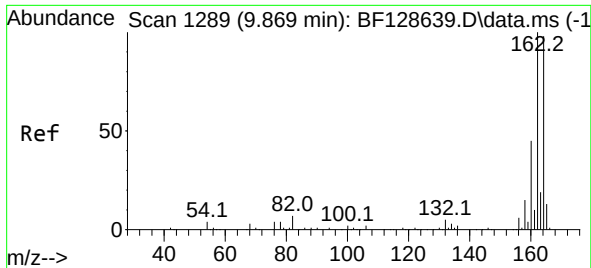
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#31
Naphthalene
Concen: 3.565 ng
RT: 8.086 min Scan# 986
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

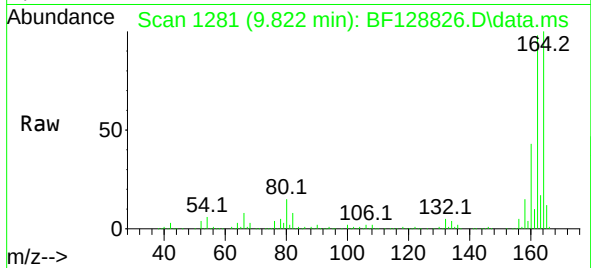
Tgt Ion:128 Resp: 57573
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 13.5 10.5 15.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
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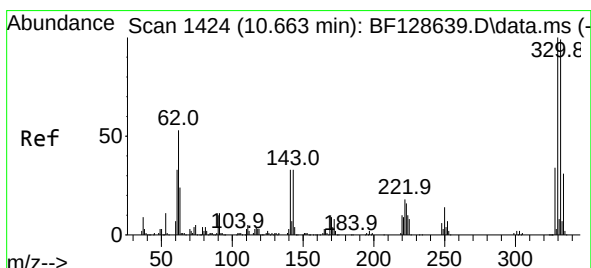
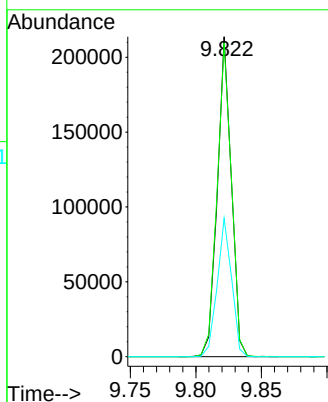
Tgt Ion:164 Resp: 15816
Ion Ratio Lower Upper
164 100
162 98.1 79.5 119.3
160 43.2 34.2 51.4

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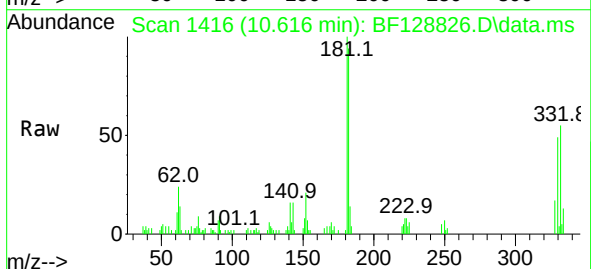
Reviewed By :Jagrut
Upadhyay

06/16/2022
Supervised By :mohammad
ahmed

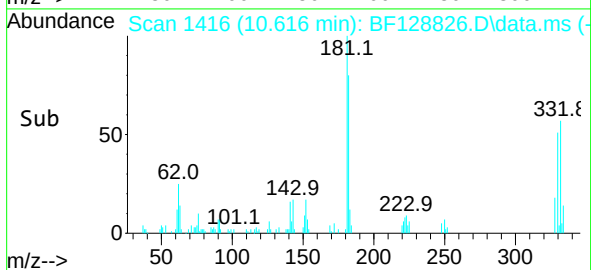
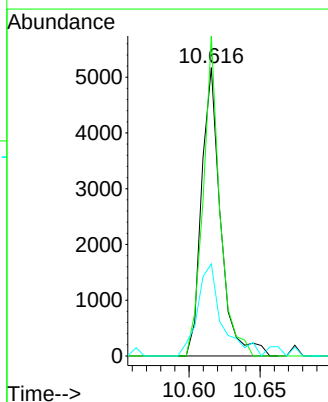
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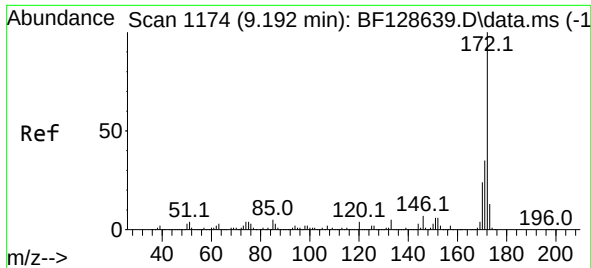


#42
2,4,6-Tribromophenol
Concen: 2.585 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04



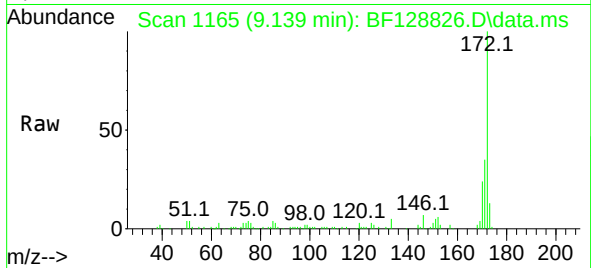
Tgt Ion:330 Resp: 4830
Ion Ratio Lower Upper
330 100
332 97.5 76.8 115.2
141 40.4 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 3.268 ng
RT: 9.139 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



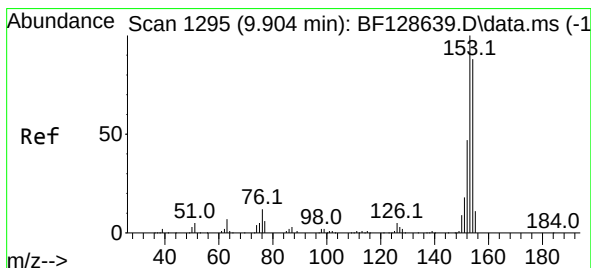
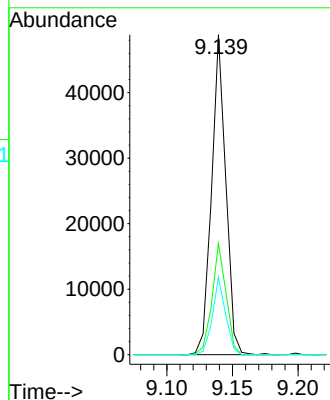
Tgt Ion:172 Resp: 36890
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 24.2 19.8 29.8

Manual Integrations
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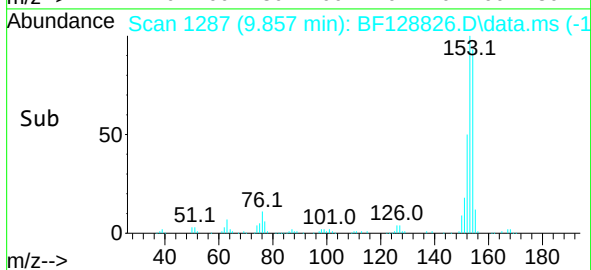
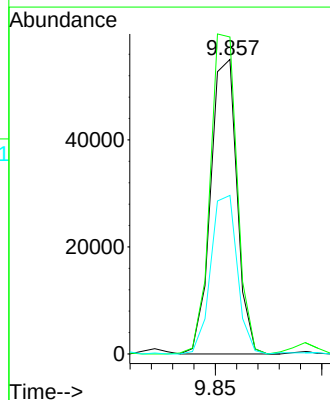
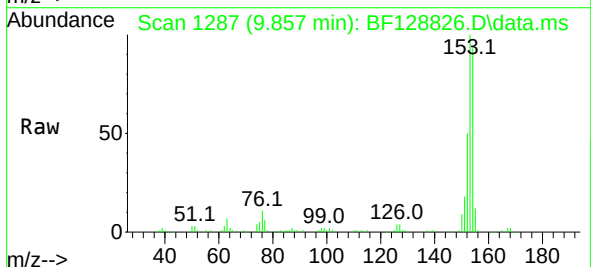
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ahmed

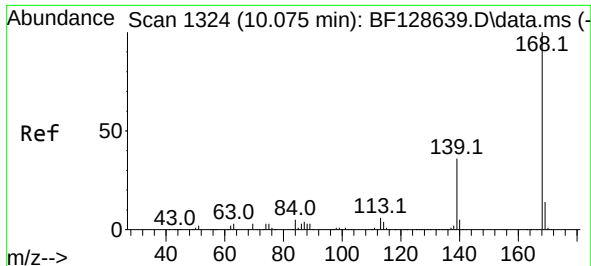
06/22/2022



#52
Acenaphthene
Concen: 5.243 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

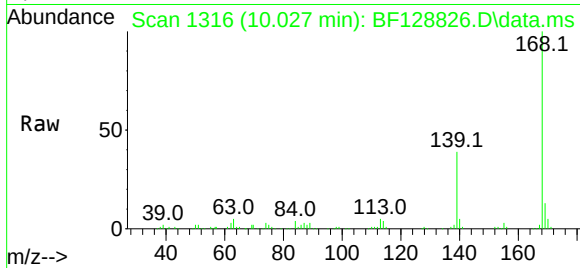
Tgt Ion:154 Resp: 47331
Ion Ratio Lower Upper
154 100
153 107.6 89.6 134.4
152 53.8 42.4 63.6





#55
Dibenzenofuran
Concen: 4.215 ng
RT: 10.027 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



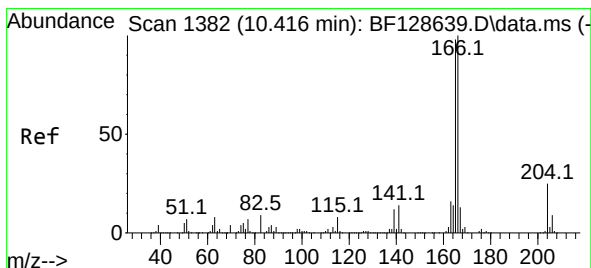
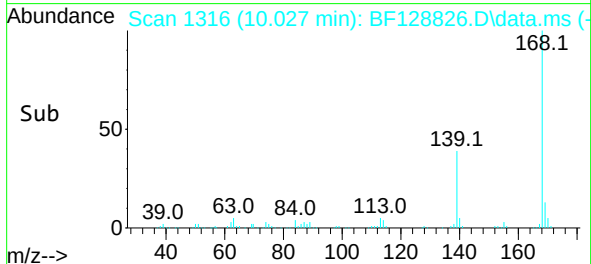
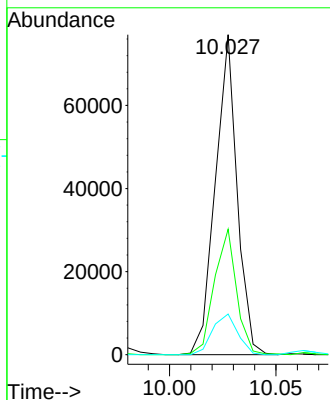
Tgt Ion:168 Resp: 54689
Ion Ratio Lower Upper
168 100
139 39.2 30.6 46.0
169 12.7 11.0 16.6

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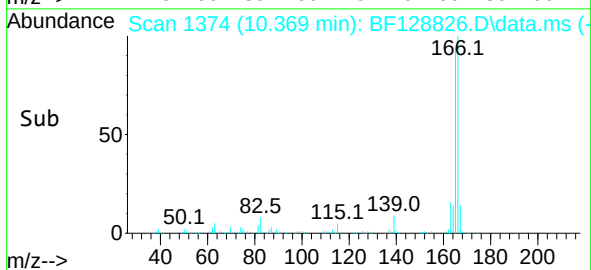
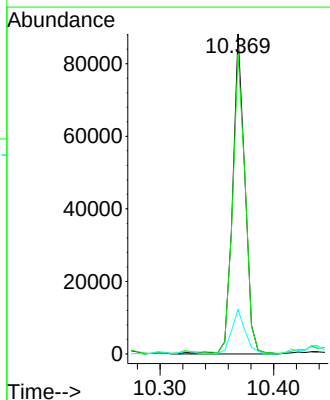
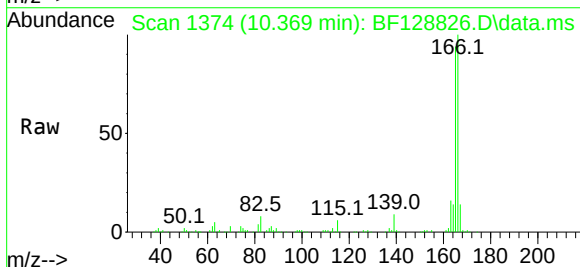
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ahmed

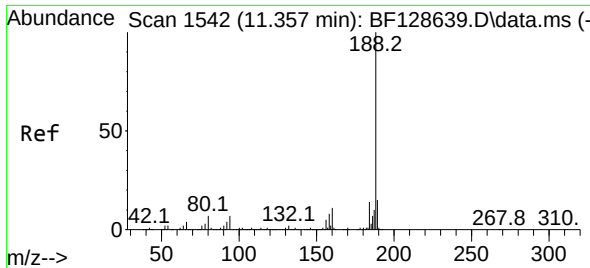
06/22/2022



#58
Fluorene
Concen: 6.544 ng
RT: 10.369 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

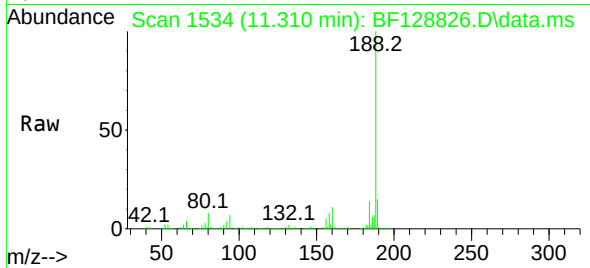
Tgt Ion:166 Resp: 65845
Ion Ratio Lower Upper
166 100
165 93.6 78.1 117.1
167 13.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



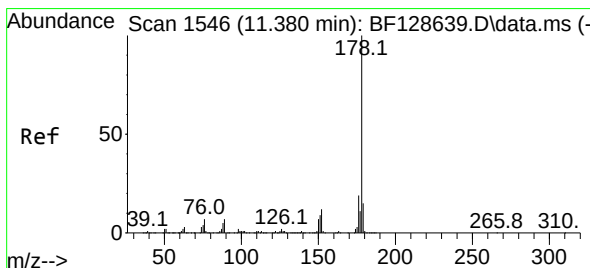
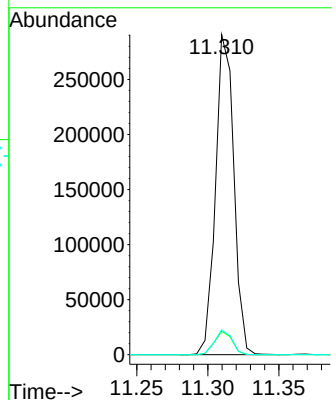
Tgt Ion:188 Resp: 260502
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.6
80 7.8 7.6 11.4

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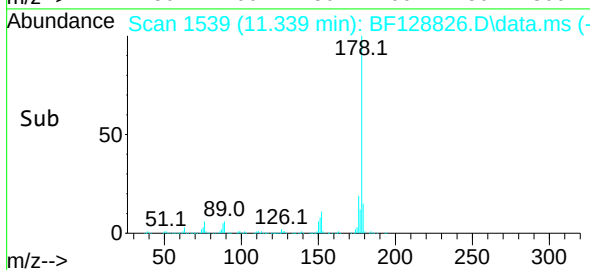
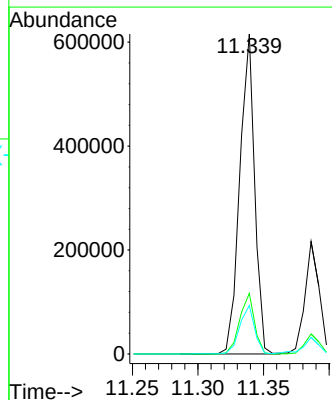
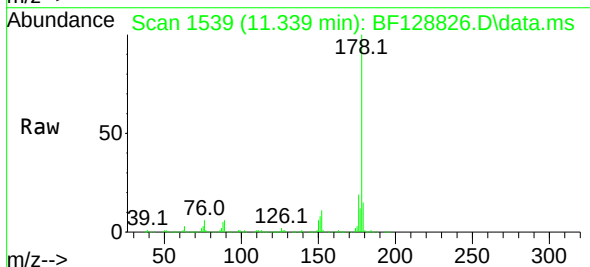
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ahmed

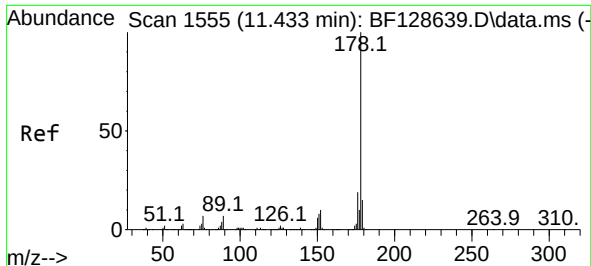
06/22/2022



#71
Phenanthrene
Concen: 37.321 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

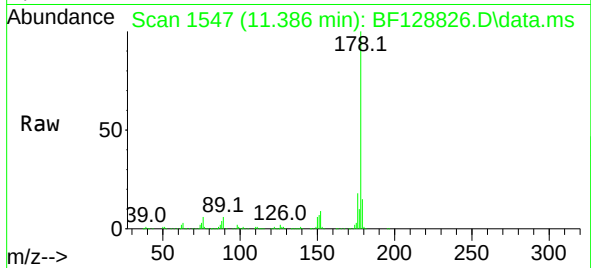
Tgt Ion:178 Resp: 487639
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.2 12.6 19.0





#72
 Anthracene
 Concen: 12.415 ng
 RT: 11.386 min Scan# 1555
 Delta R.T. -0.006 min
 Lab File: BF128826.D
 Acq: 15 Jun 2022 15:04

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-061322DL2



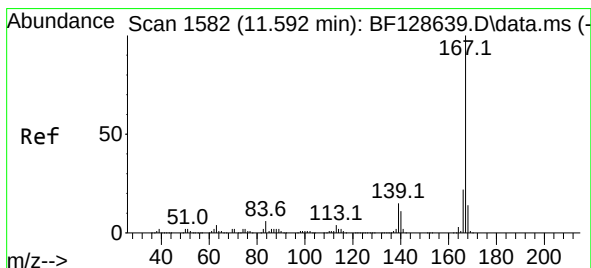
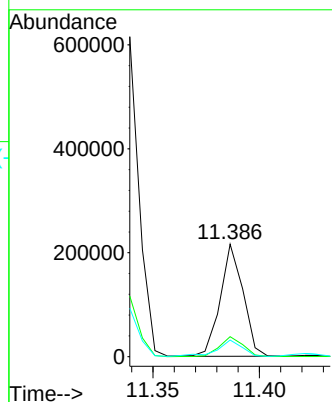
Tgt Ion:178 Resp: 16055
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 14.8 12.6 19.0

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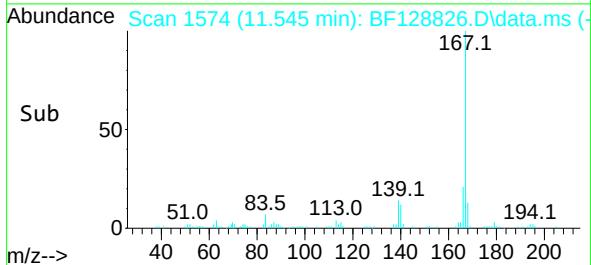
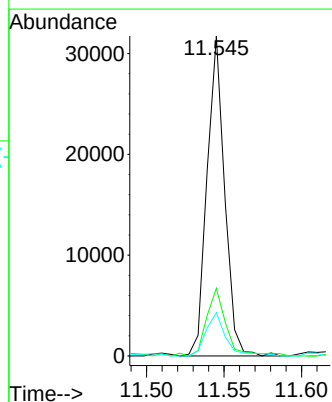
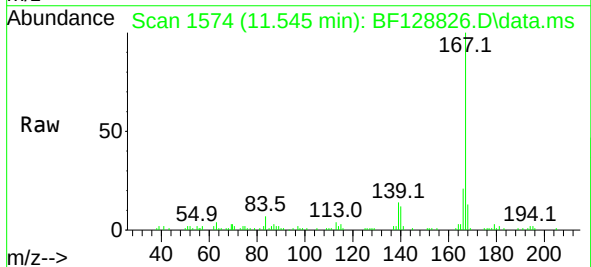
06/16/2022
 Supervised By :mohammad
 ahmed

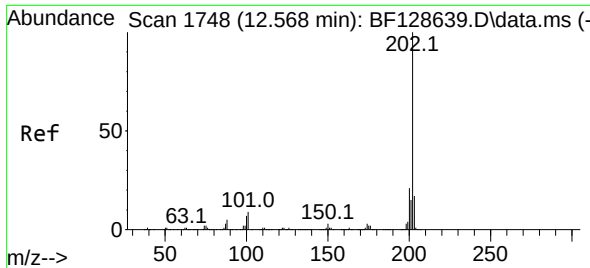
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#73
 Carbazole
 Concen: 2.088 ng
 RT: 11.545 min Scan# 1574
 Delta R.T. -0.006 min
 Lab File: BF128826.D
 Acq: 15 Jun 2022 15:04

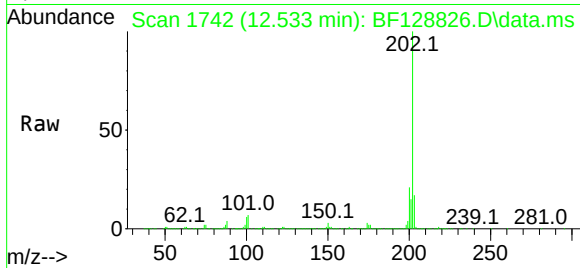
Tgt Ion:167 Resp: 25076
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.7 26.5
 139 13.5 11.2 16.8





#75
Fluoranthene
Concen: 46.736 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



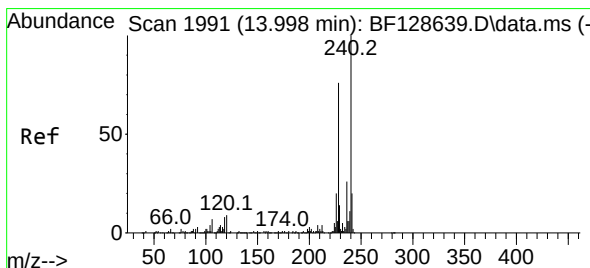
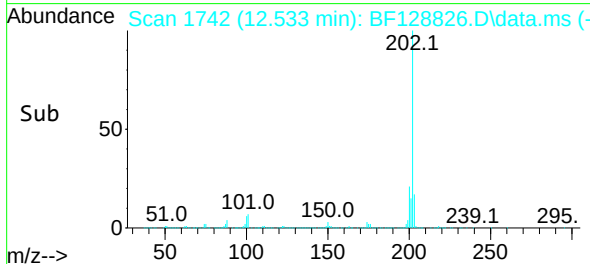
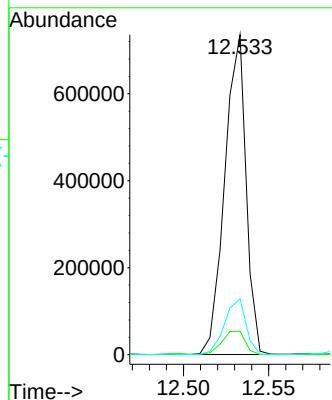
Tgt Ion:202 Resp: 638324
Ion Ratio Lower Upper
202 100
101 7.3 0.0 31.4
203 17.4 0.0 38.0

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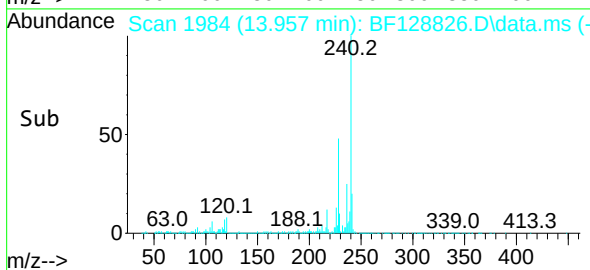
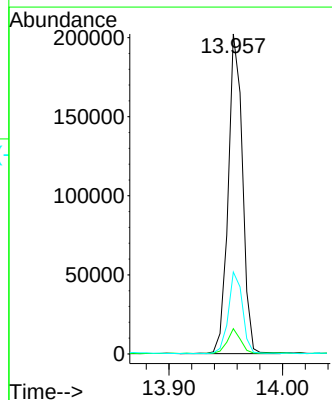
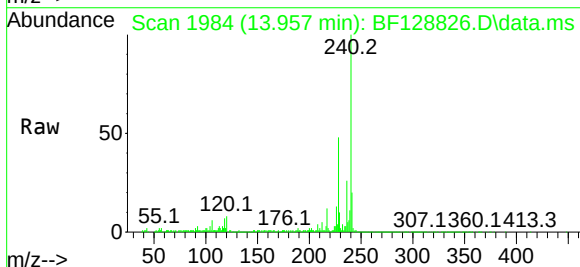
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ahmed

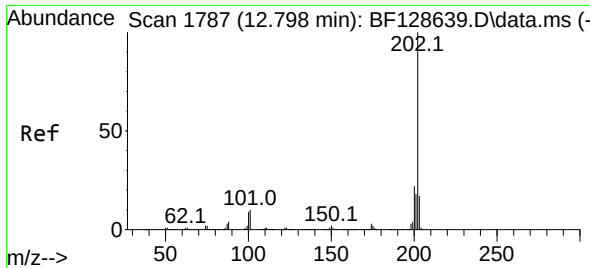
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1984
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

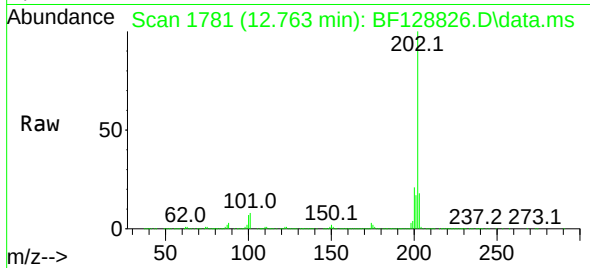
Tgt Ion:240 Resp: 177021
Ion Ratio Lower Upper
240 100
120 7.9 8.9 13.3#
236 25.6 20.8 31.2





#78
Pyrene
Concen: 40.242 ng
RT: 12.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



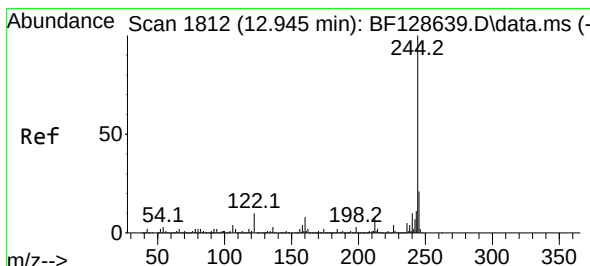
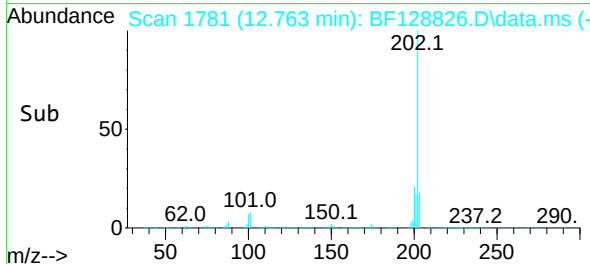
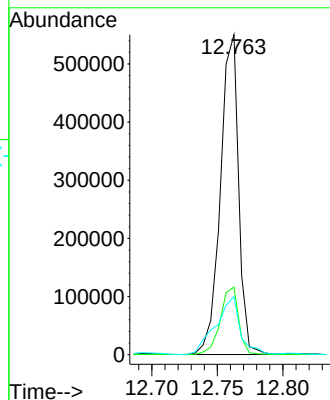
Tgt Ion:202 Resp: 529998
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 18.1 14.6 21.8

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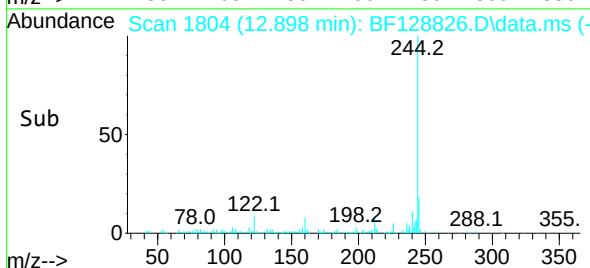
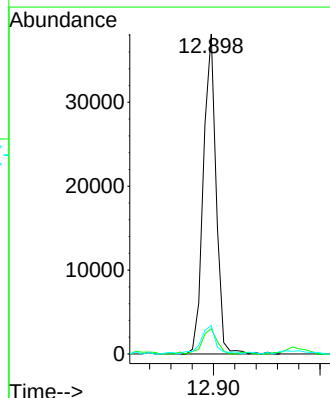
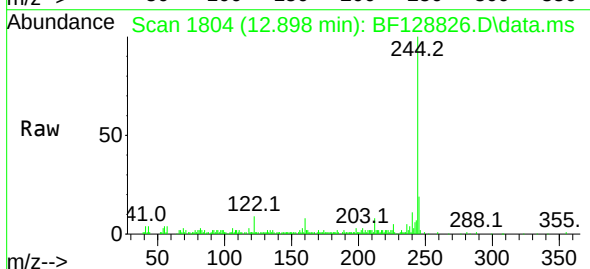
06/16/2022
Supervised By :mohammad
ahmed

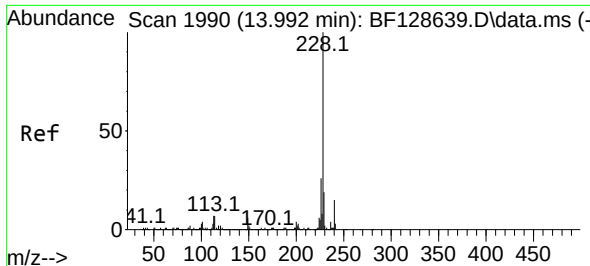
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#79
Terphenyl-d14
Concen: 3.119 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

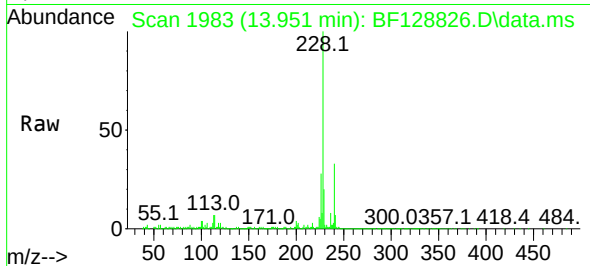
Tgt Ion:244 Resp: 31771
Ion Ratio Lower Upper
244 100
212 7.9 6.1 9.1
122 8.9 8.8 13.2





#81
Benzo(a)anthracene
Concen: 21.299 ng
RT: 13.951 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



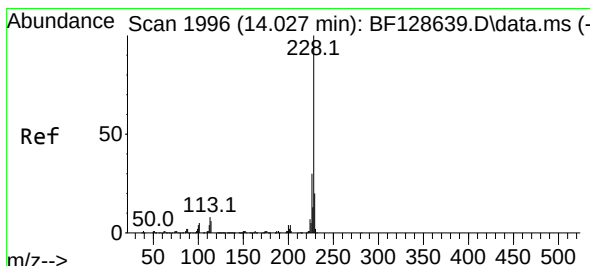
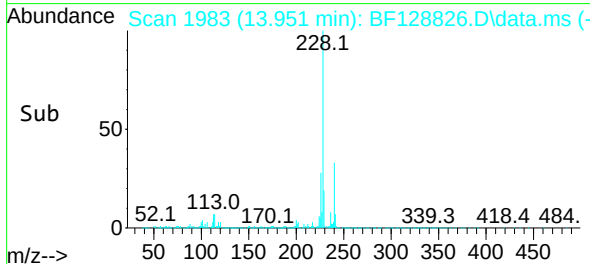
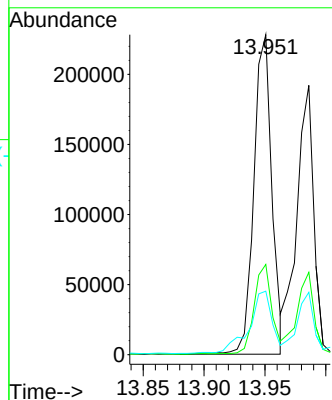
Tgt Ion:228 Resp: 23502
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 19.8 15.8 23.8

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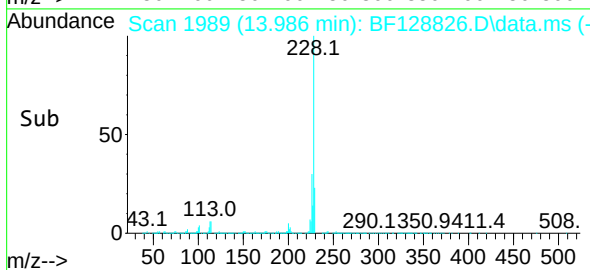
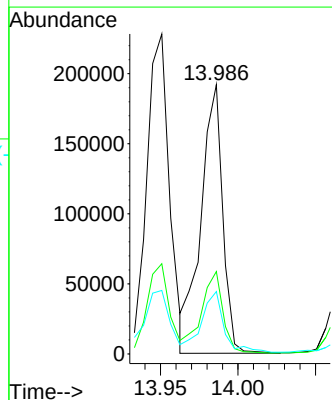
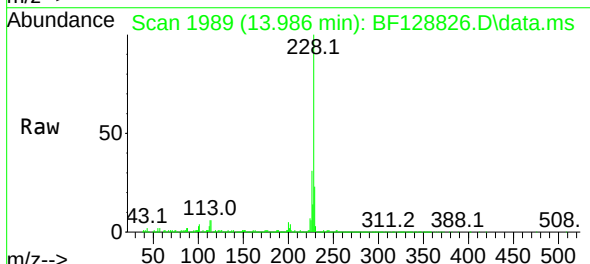
06/16/2022
Supervised By :mohammad
ahmed

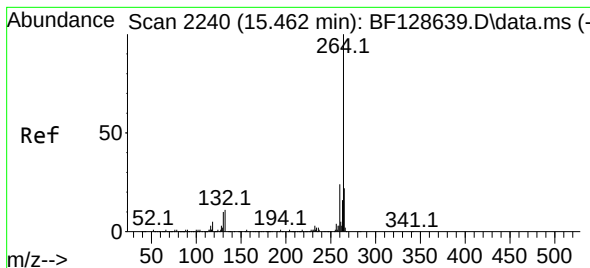
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#83
Chrysene
Concen: 17.862 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

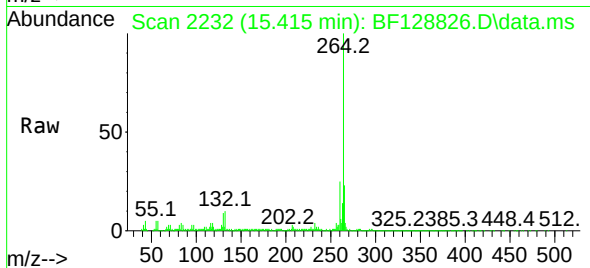
Tgt Ion:228 Resp: 187908
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 23.2 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



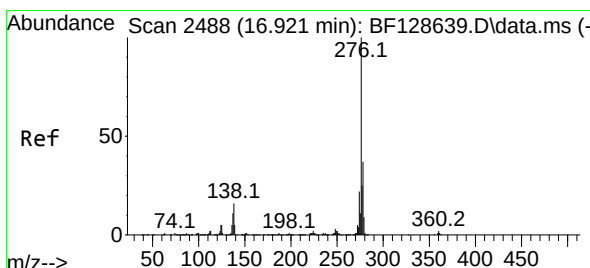
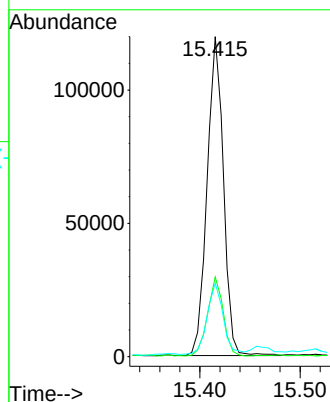
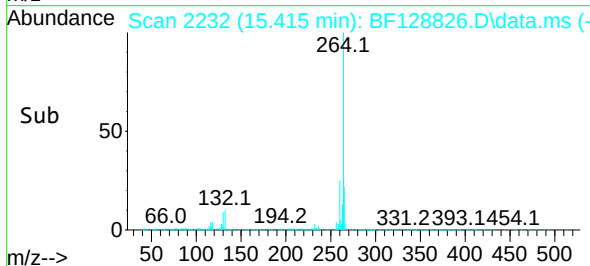
Tgt Ion:264 Resp: 135558
Ion Ratio Lower Upper
264 100
260 24.9 18.4 27.6
265 23.0 17.2 25.8

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Upadhyay

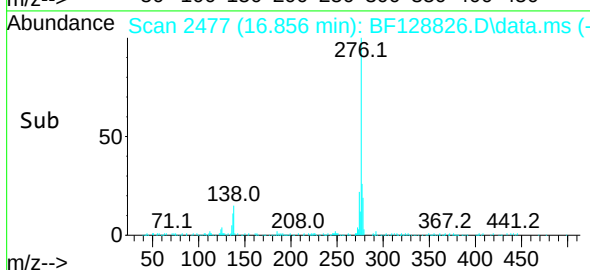
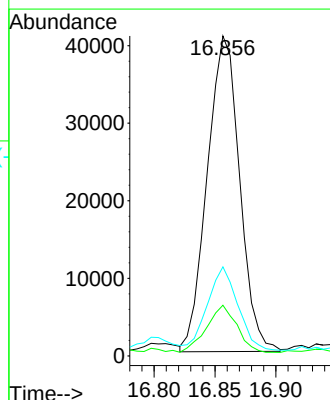
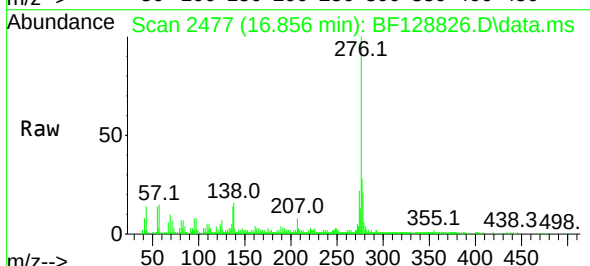
06/16/2022
Supervised By :mohammad
ahmed

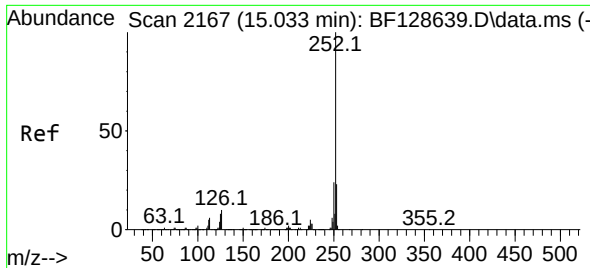
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#87
Indeno(1,2,3-cd)pyrene
Concen: 9.218 ng
RT: 16.856 min Scan# 2477
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

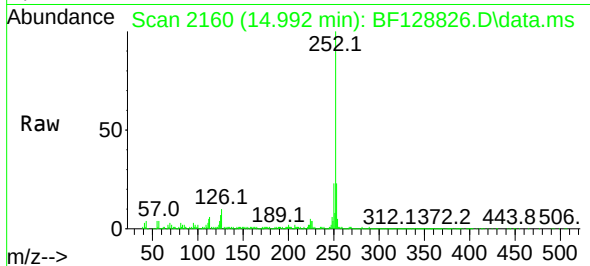
Tgt Ion:276 Resp: 75318
Ion Ratio Lower Upper
276 100
138 14.0 21.1 31.7#
277 24.8 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 23.595 ng m
RT: 14.992 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



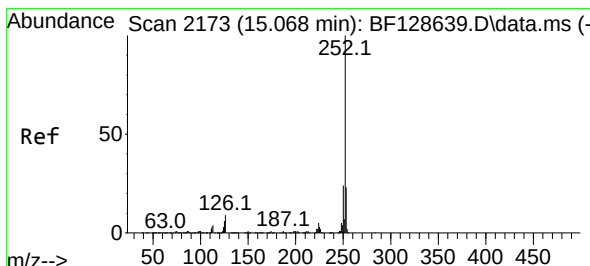
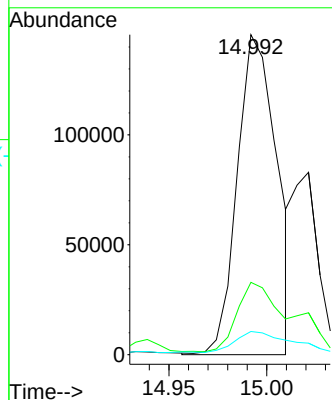
Tgt Ion:252 Resp: 204378
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 7.2 8.0 12.0

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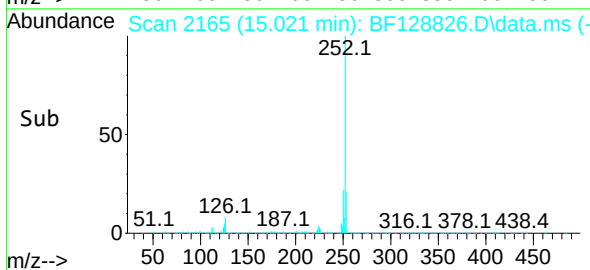
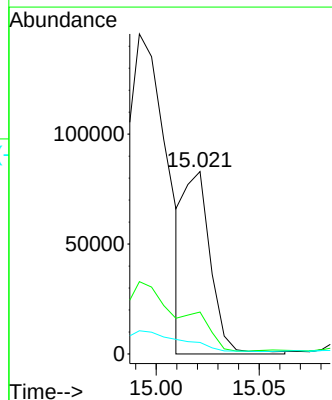
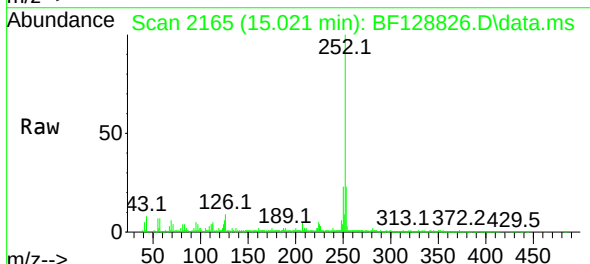
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Supervised By :mohammad
ahmed

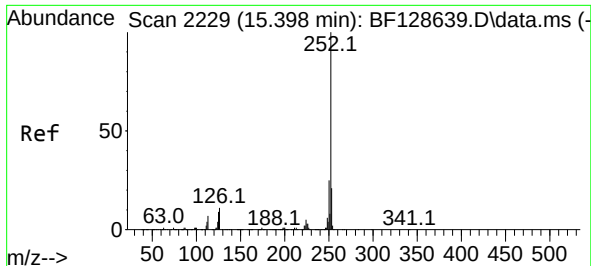
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#89
Benzo(k)fluoranthene
Concen: 9.142 ng m
RT: 15.021 min Scan# 2165
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

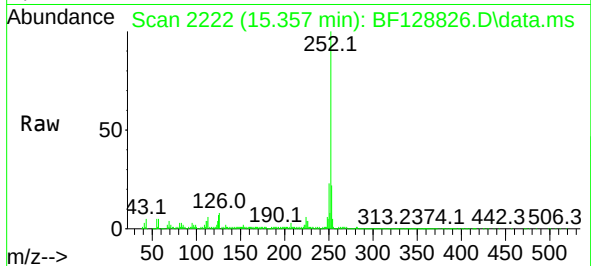
Tgt Ion:252 Resp: 74492
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 6.3 8.3 12.5





#90
Benzo(a)pyrene
Concen: 22.489 ng m
RT: 15.357 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



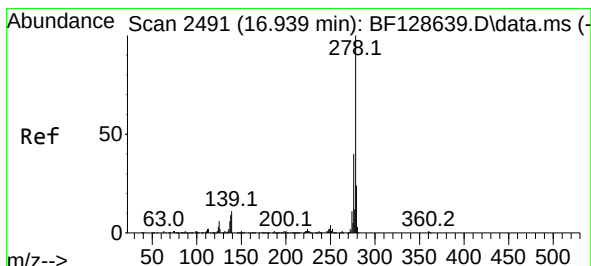
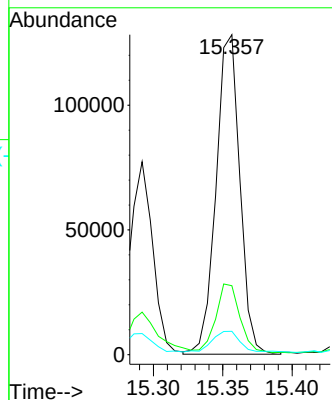
Tgt Ion:252 Resp: 15310
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 7.3 8.8 13.2

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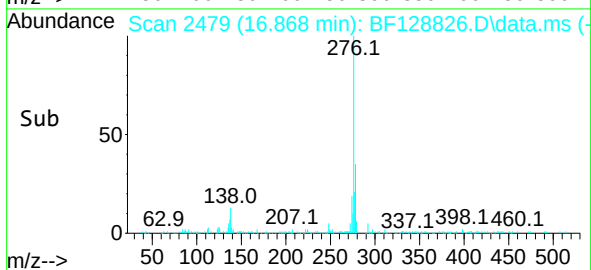
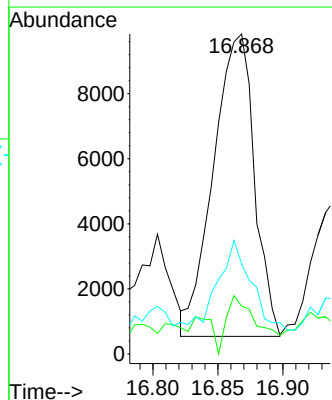
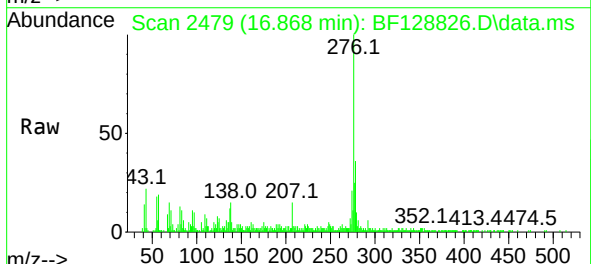
06/16/2022
Supervised By :mohammad
ahmed

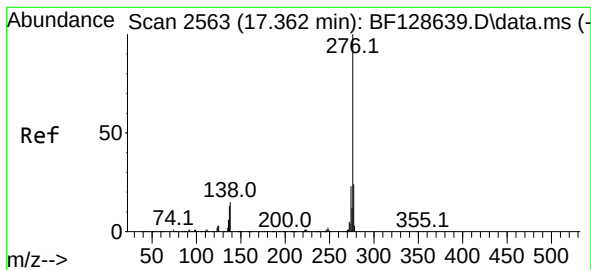
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#91
Dibenzo(a,h)anthracene
Concen: 3.001 ng m
RT: 16.868 min Scan# 2479
Delta R.T. -0.006 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

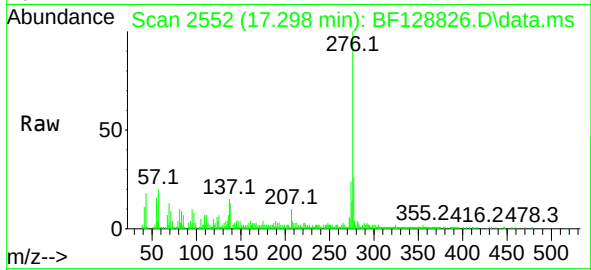
Tgt Ion:278 Resp: 20340
Ion Ratio Lower Upper
278 100
139 14.9 12.8 19.2
279 28.1 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 10.147 ng
RT: 17.298 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128826.D
Acq: 15 Jun 2022 15:04

Instrument :
BNA_F
ClientSampleId :
SU-02-061322DL2



Tgt Ion:276 Resp: 68154
Ion Ratio Lower Upper
276 100
277 25.6 19.1 28.7
138 13.1 18.0 27.0

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Supervised By :mohammad
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06/22/2022

