

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136269.D
 Acq On : 29 Nov 2023 01:54
 Operator : CG\JU
 Sample : 05507-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11202023

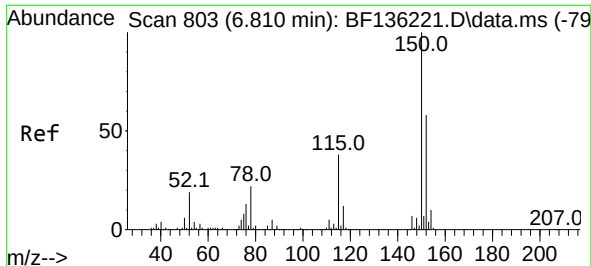
Manual Integrations
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Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 03:13:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

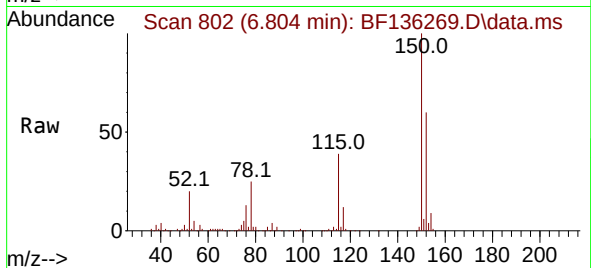
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/29/2023 Supervised By :mohammad ahmed
1) 1,4-Dichlorobenzene-d4	6.804	152	105621	20.000	ng	0.00	
21) Naphthalene-d8	8.081	136	348653	20.000	ng	0.00	
39) Acenaphthene-d10	9.839	164	139315	20.000	ng	0.00	
64) Phenanthrene-d10	11.328	188	278534	20.000	ng	0.00	
76) Chrysene-d12	13.980	240	262071	20.000	ng	-0.01	
86) Perylene-d12	15.468	264	171636	20.000	ng	0.00	12/01/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	62133	8.188	ng	-0.01	
7) Phenol-d6	6.428	99	70079	7.386	ng	-0.02	
23) Nitrobenzene-d5	7.357	82	39487	5.985	ng	-0.02	
42) 2,4,6-Tribromophenol	10.628	330	13205	7.753	ng	-0.01	
45) 2-Fluorobiphenyl	9.157	172	74091	6.793	ng	-0.01	
79) Terphenyl-d14	12.922	244	103948	4.575	ng	-0.01	
Target Compounds							Qvalue
52) Acenaphthene	9.869	154	17292	2.010	ng		91
58) Fluorene	10.386	166	29516	2.939	ng	#	94
71) Phenanthrene	11.351	178	261627	16.712	ng		98
72) Anthracene	11.404	178	61417m	3.912	ng		
73) Carbazole	11.563	167	28425	2.129	ng		96
75) Fluoranthene	12.545	202	312231	19.647	ng		93
78) Pyrene	12.775	202	253444	8.830	ng		96
81) Benzo(a)anthracene	13.974	228	116128m	5.966	ng		
83) Chrysene	14.010	228	108910	5.795	ng		96
84) Bis(2-ethylhexyl)phtha...	13.974	149	112655	10.509	ng	#	99
85) Di-n-octyl phthalate	14.627	149	7327m	5.538	ng		
87) Indeno(1,2,3-cd)pyrene	16.962	276	28448	4.773	ng		100
88) Benzo(b)fluoranthene	15.033	252	90063m	7.479	ng		
89) Benzo(k)fluoranthene	15.057	252	26249m	2.295	ng		
90) Benzo(a)pyrene	15.404	252	53895	5.475	ng	#	93
91) Dibenzo(a,h)anthracene	16.980	278	8072	3.453	ng	#	52
92) Benzo(g,h,i)perylene	17.421	276	28873	4.584	ng		99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136269.D
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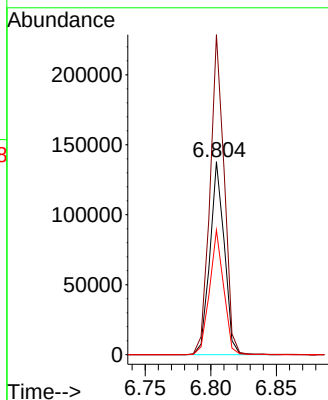
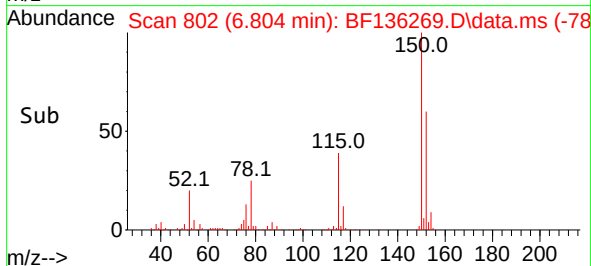
Instrument :
BNA_F
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Tgt Ion:152 Resp: 10562
Ion Ratio Lower Upper
152 100
150 165.9 137.8 206.8
115 64.6 52.7 79.1

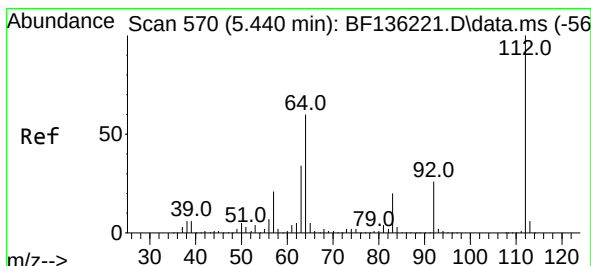
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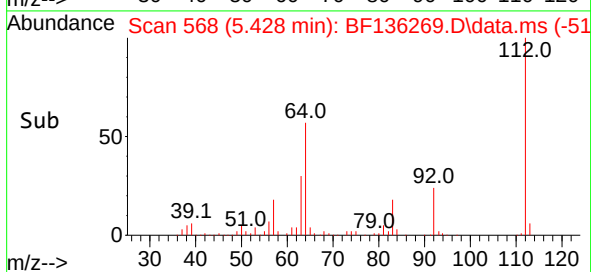
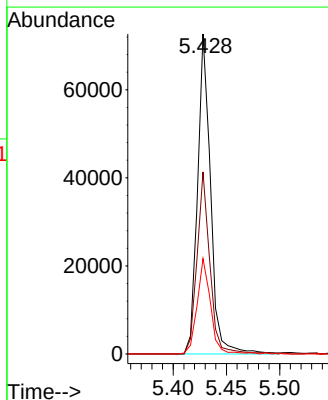
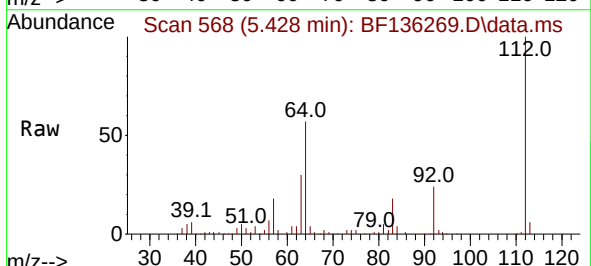
11/29/2023
Supervised By :mohammad
ahmed

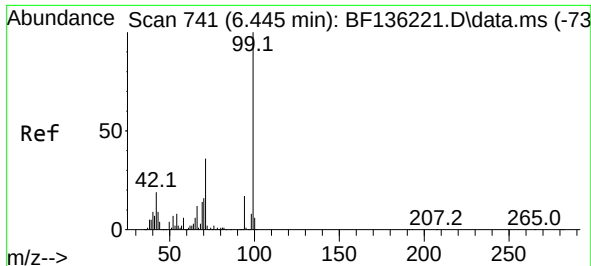
12/01/2023



#5
2-Fluorophenol
Concen: 8.188 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

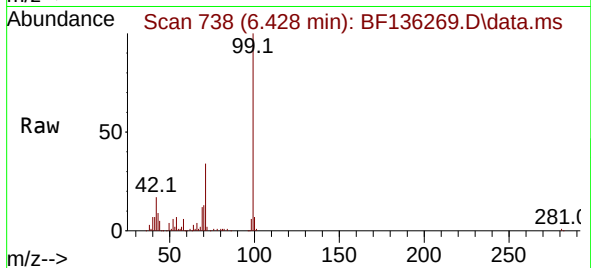
Tgt Ion:112 Resp: 62133
Ion Ratio Lower Upper
112 100
64 56.9 48.2 72.4
63 29.8 27.0 40.6





#7
Phenol-d6
Concen: 7.386 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

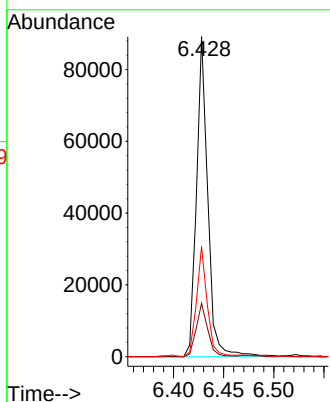
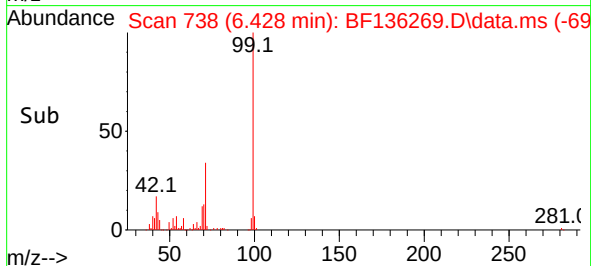
Instrument :
BNA_F
ClientSampleId :
SU-04-112023



Tgt Ion: 99 Resp: 70079
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 34.4 28.9 43.3

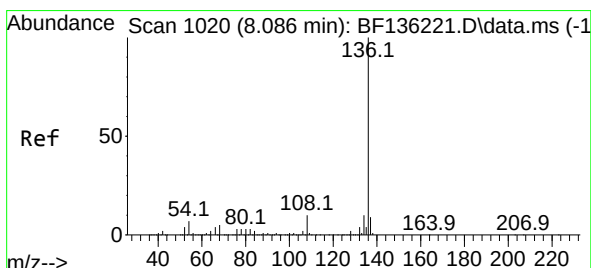
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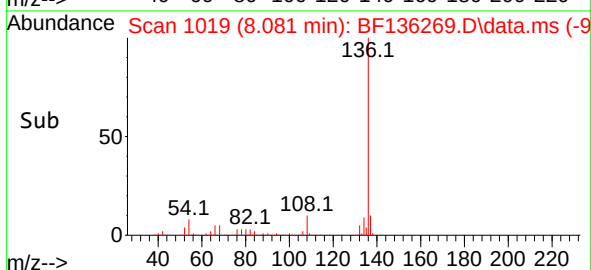
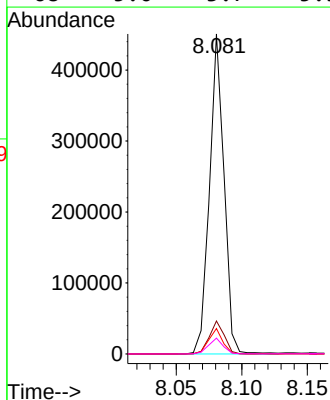
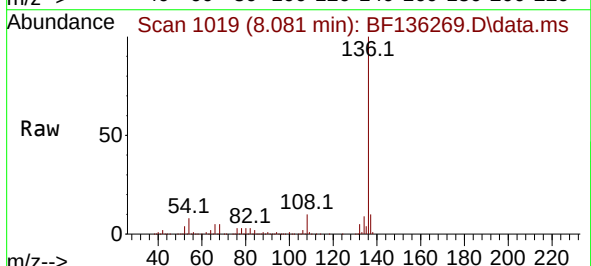
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ahmed

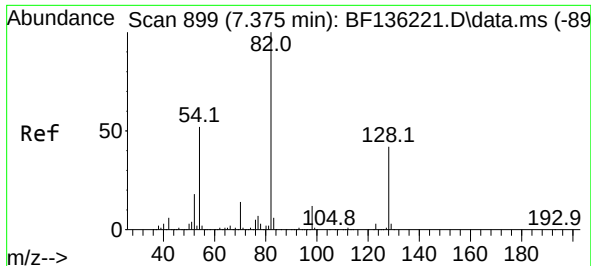
12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:136 Resp: 348653
Ion Ratio Lower Upper
136 100
137 10.3 7.4 11.2
54 8.0 5.5 8.3
68 5.0 3.7 5.5





#23

Nitrobenzene-d5

Concen: 5.985 ng

RT: 7.357 min Scan# 899

Delta R.T. -0.017 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-112023

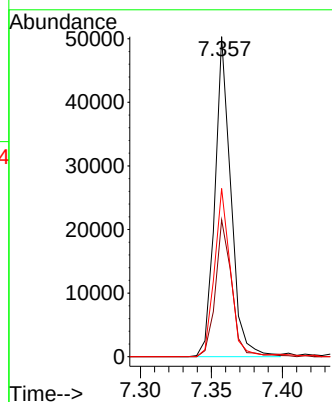
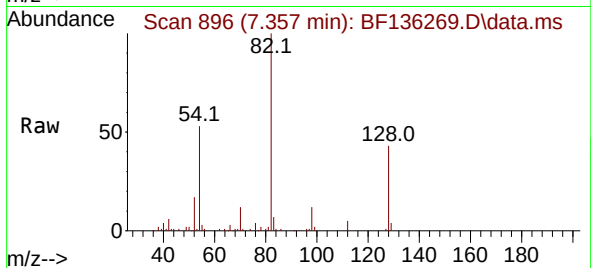
Tgt Ion:	82	Resp:	3948
Ion Ratio	Lower	Upper	
82	100		
128	42.7	33.4	50.2
54	52.6	41.7	62.5

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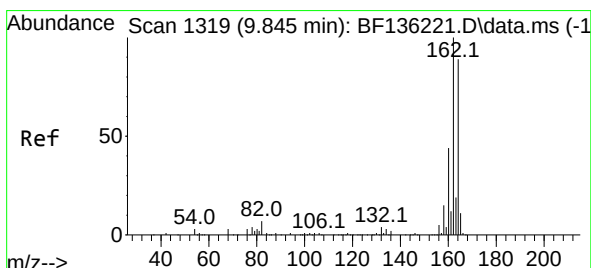
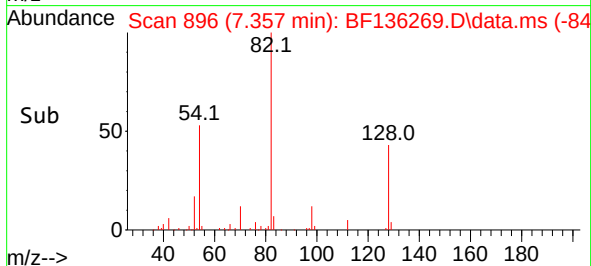
Supervised By :mohammad ahmed 12/01/2023



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ahmed

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#39

Acenaphthene-d10

Concen: 20.000 ng

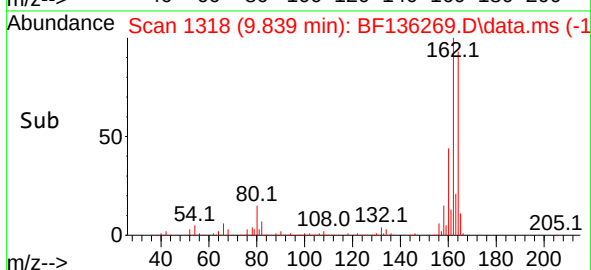
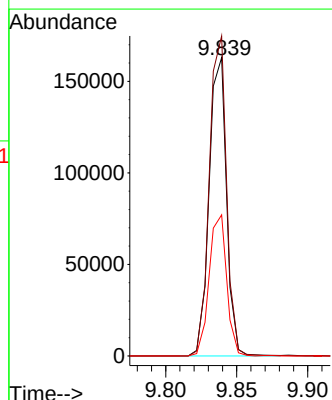
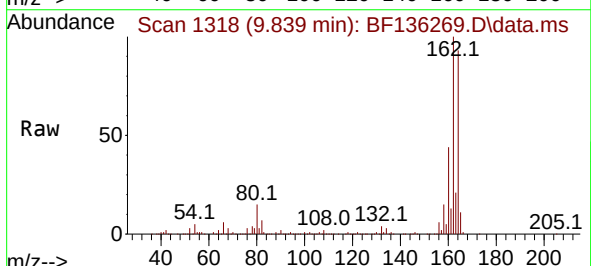
RT: 9.839 min Scan# 1318

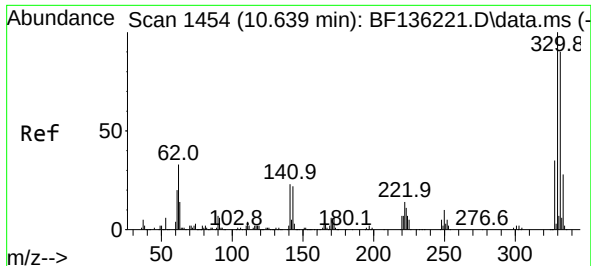
Delta R.T. -0.006 min

Lab File: BF136269.D

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Tgt Ion:	164	Resp:	139315
Ion Ratio	Lower	Upper	
164	100		
162	107.2	89.5	134.3
160	47.3	39.6	59.4





#42
2,4,6-Tribromophenol
Concen: 7.753 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-112023

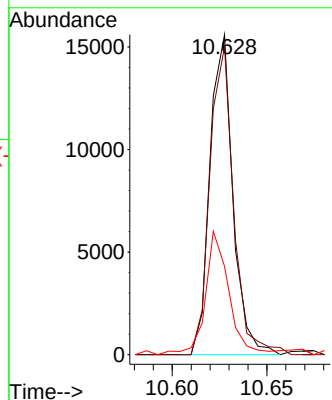
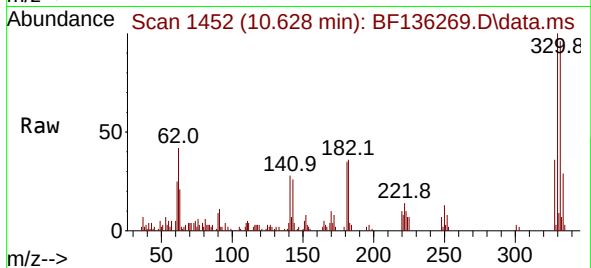
Tgt Ion: 330 Resp: 1320
Ion Ratio Lower Upper
330 100
332 99.3 73.0 109.6
141 39.2 24.2 36.2

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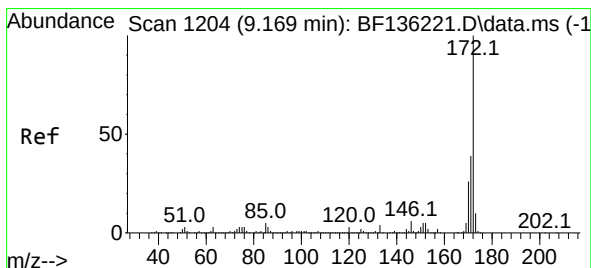
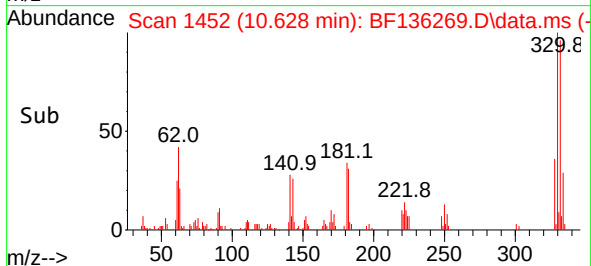
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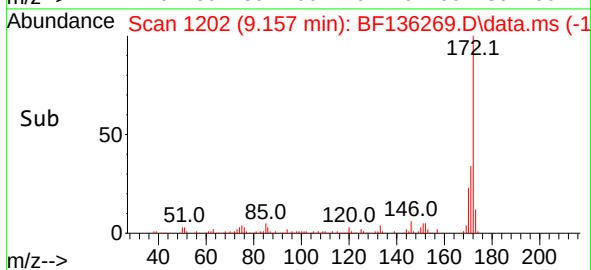
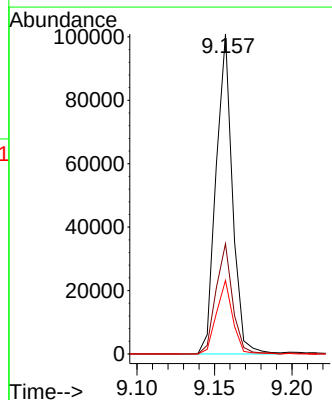
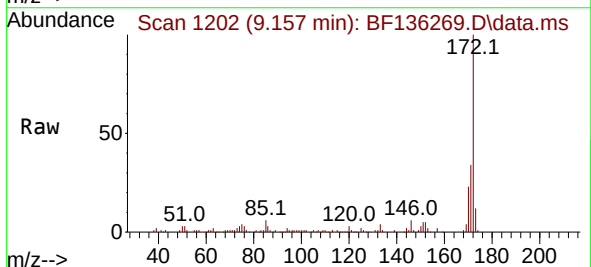
Supervised By :mohammad
ahmed

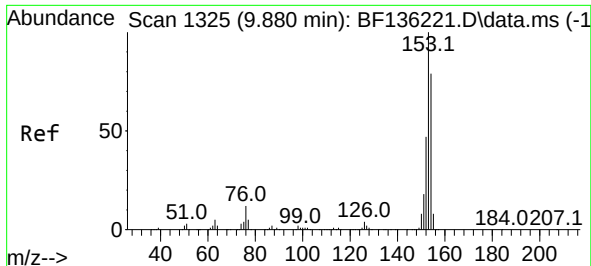
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#45
2-Fluorobiphenyl
Concen: 6.793 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

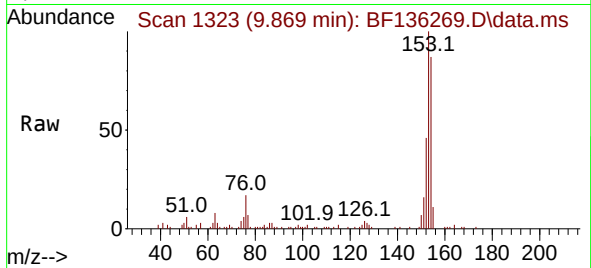
Tgt Ion: 172 Resp: 74091
Ion Ratio Lower Upper
172 100
171 34.5 31.5 47.3
170 23.0 20.8 31.2





#52
Acenaphthene
Concen: 2.010 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

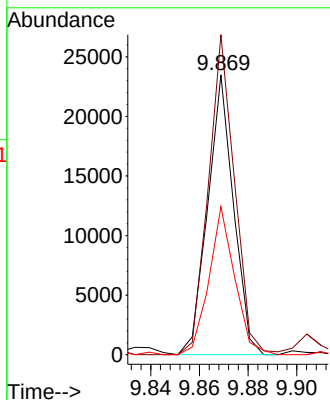
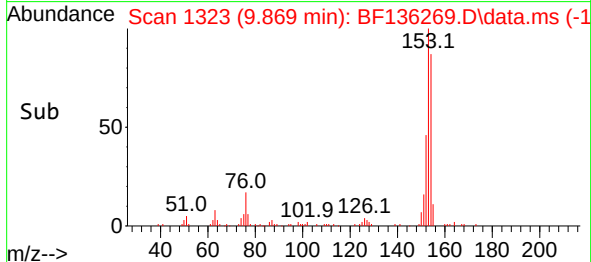
Instrument :
BNA_F
ClientSampleId :
SU-04-112023



Tgt Ion:154 Resp: 1729
Ion Ratio Lower Upper
154 100
153 114.3 100.8 151.2
152 52.9 47.0 70.6

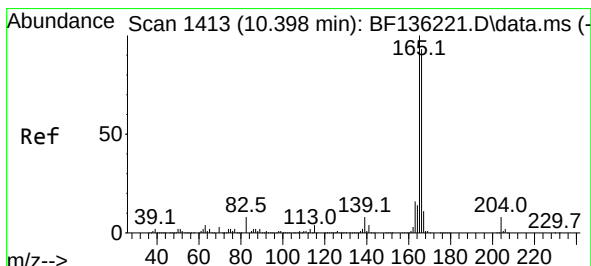
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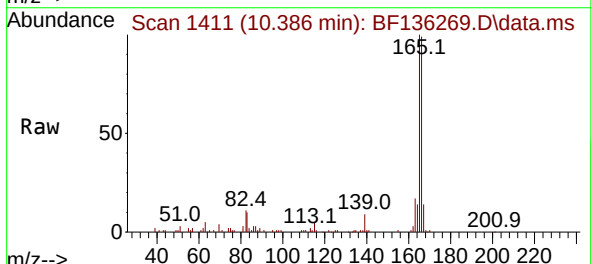


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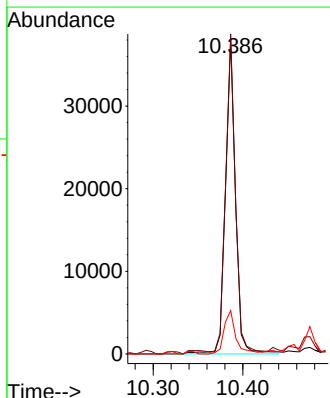
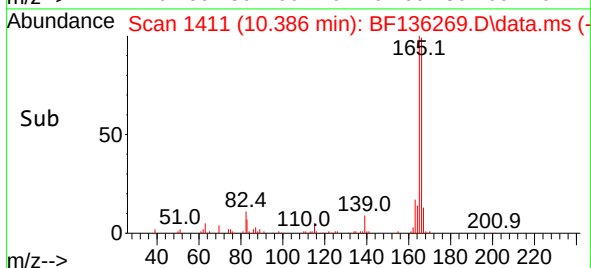
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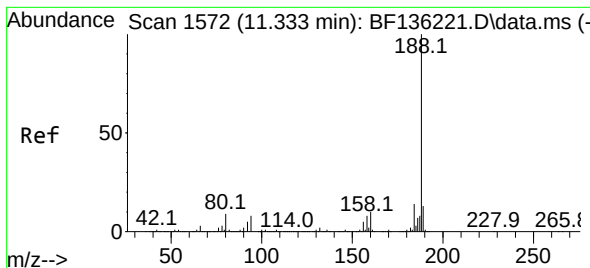


#58
Fluorene
Concen: 2.939 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54



Tgt Ion:166 Resp: 29516
Ion Ratio Lower Upper
166 100
165 101.5 86.2 129.4
167 13.7 9.1 13.7#





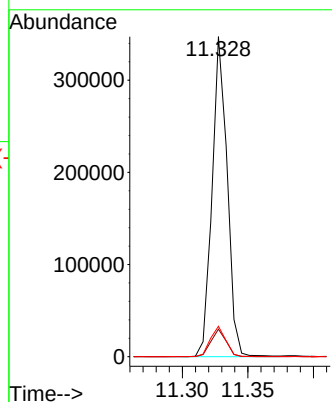
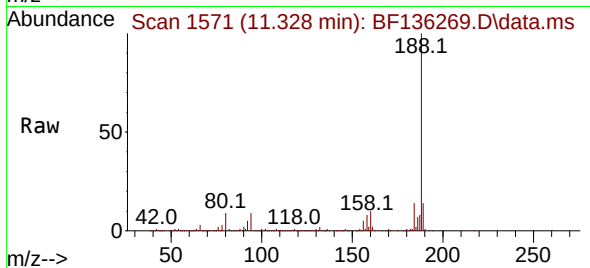
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Instrument :
BNA_F
ClientSampleId :
SU-04-112023

Tgt Ion:188 Resp: 278534
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.5 7.2 10.8

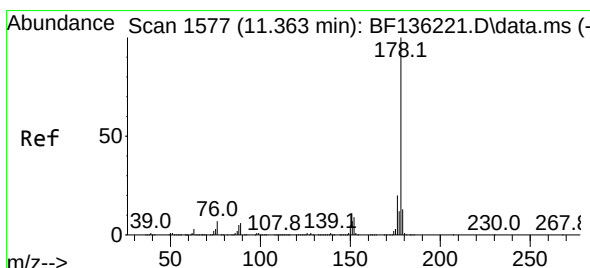
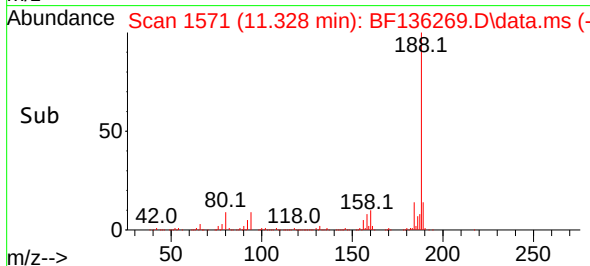
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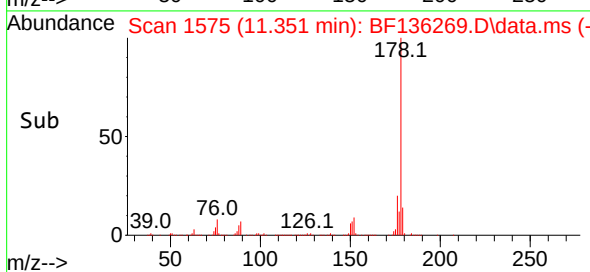
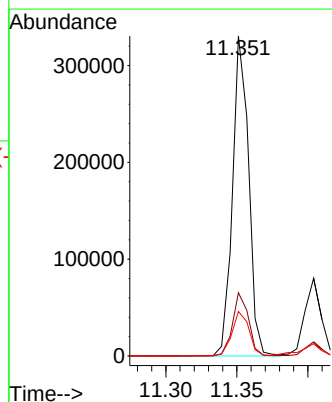
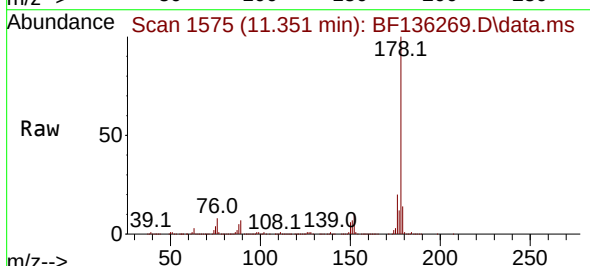
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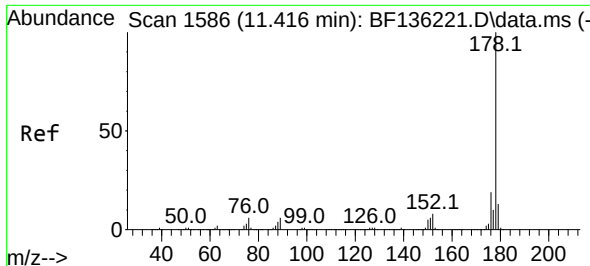
12/01/2023



#71
Phenanthrene
Concen: 16.712 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

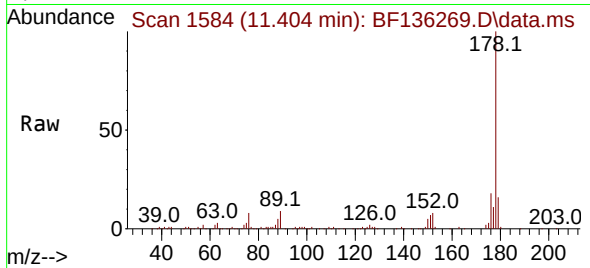
Tgt Ion:178 Resp: 261627
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.2
179 13.9 10.3 15.5





#72
 Anthracene
 Concen: 3.912 ng m
 RT: 11.404 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136269.D
 Acq: 29 Nov 2023 01:54

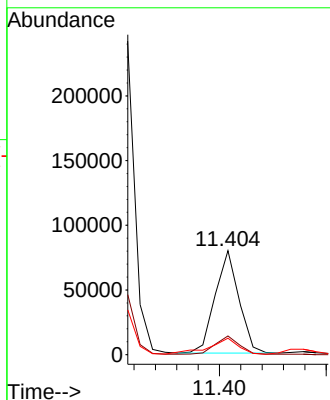
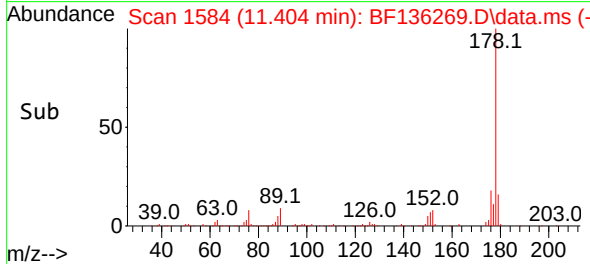
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-112023



Tgt Ion:178 Resp: 6141
 Ion Ratio Lower Upper
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 176 18.1 15.5 23.3
 179 15.9 10.5 15.7

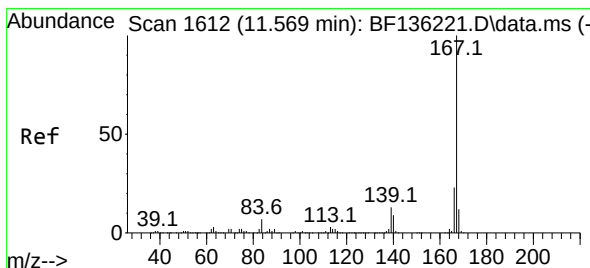
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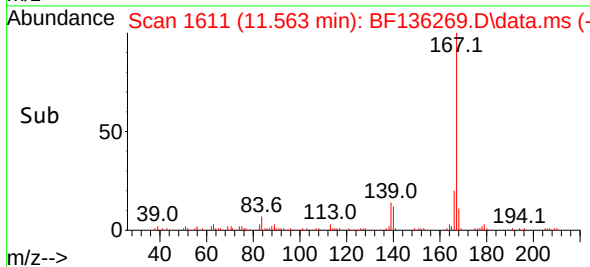
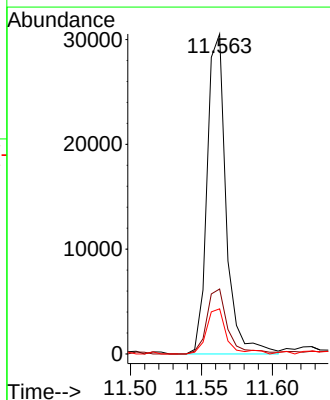
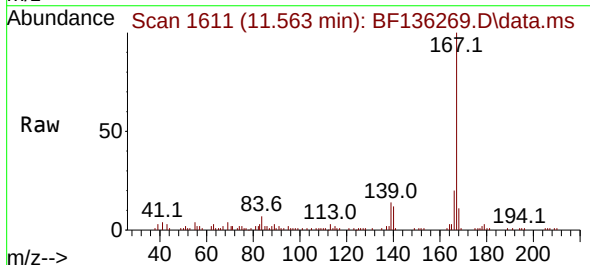
11/29/2023
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 ahmed

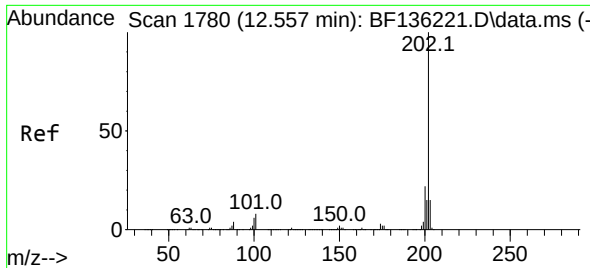
12/01/2023



#73
 Carbazole
 Concen: 2.129 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF136269.D
 Acq: 29 Nov 2023 01:54

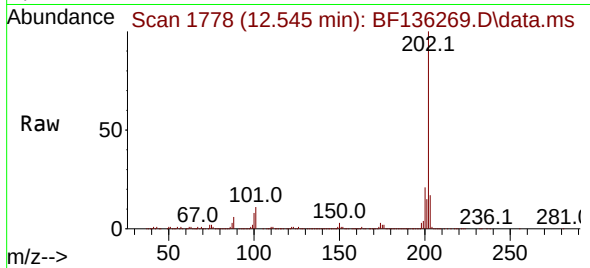
Tgt Ion:167 Resp: 28425
 Ion Ratio Lower Upper
 167 100
 166 20.3 18.4 27.6
 139 14.1 10.5 15.7





#75
Fluoranthene
Concen: 19.647 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

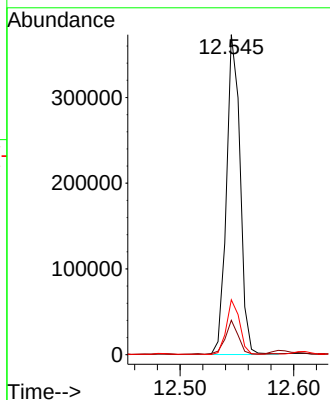
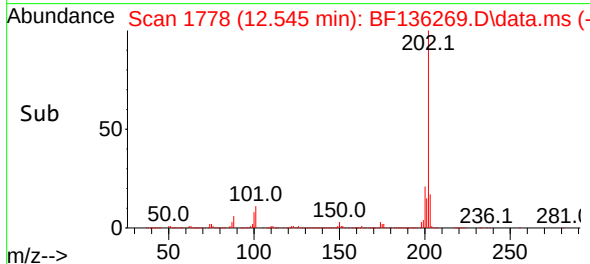
Instrument :
BNA_F
ClientSampleId :
SU-04-112023



Tgt Ion:202 Resp: 31223
Ion Ratio Lower Upper
202 100
101 10.8 0.0 27.8
203 17.1 0.0 34.5

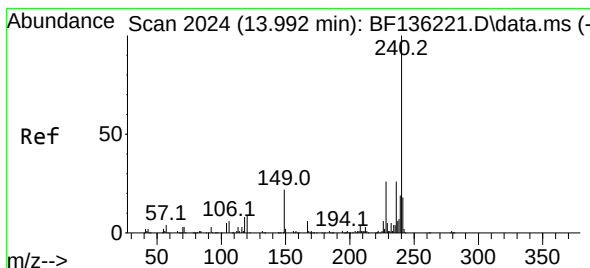
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APPROVED

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

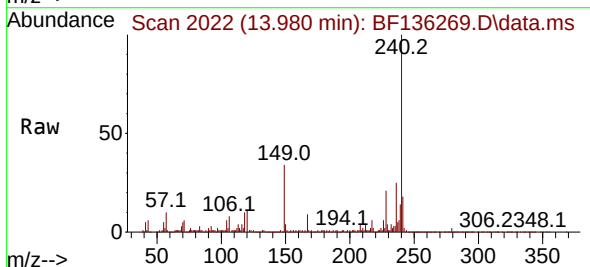


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Supervised By :mohammad
ahmed

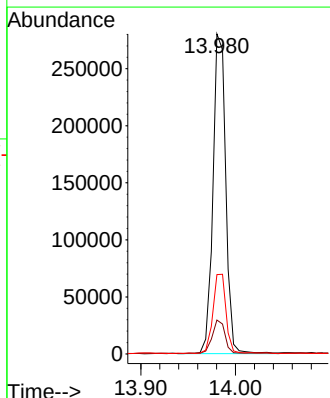
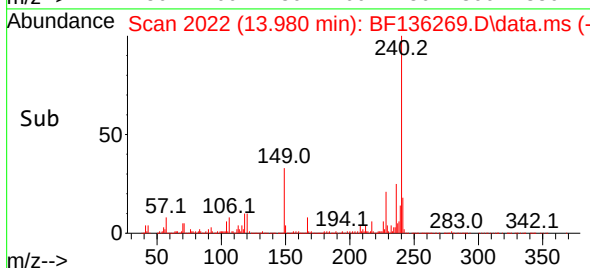
12/01/2023

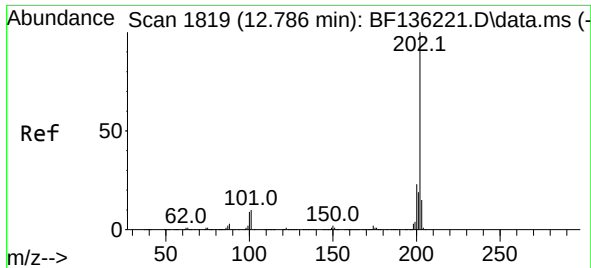


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54



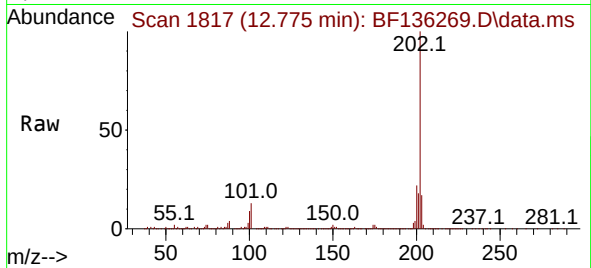
Tgt Ion:240 Resp: 262071
Ion Ratio Lower Upper
240 100
120 10.6 7.4 11.2
236 24.8 21.1 31.7





#78
Pyrene
Concen: 8.830 ng
RT: 12.775 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

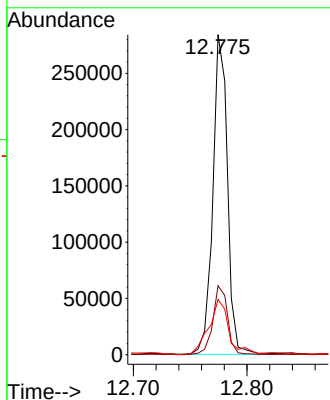
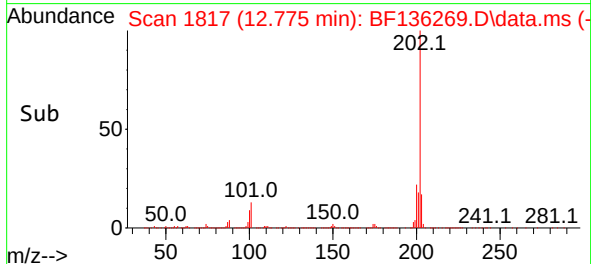
Instrument :
BNA_F
ClientSampleId :
SU-04-112023



Tgt Ion:202 Resp: 25344
Ion Ratio Lower Upper
202 100
200 21.6 18.4 27.6
203 17.3 11.8 17.6

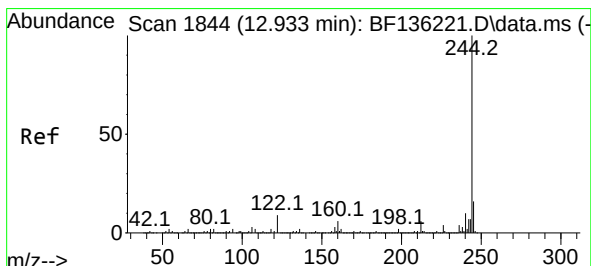
Manual Integrations
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Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



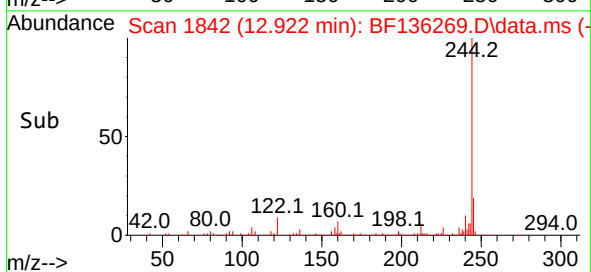
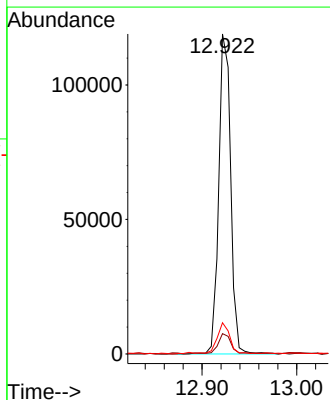
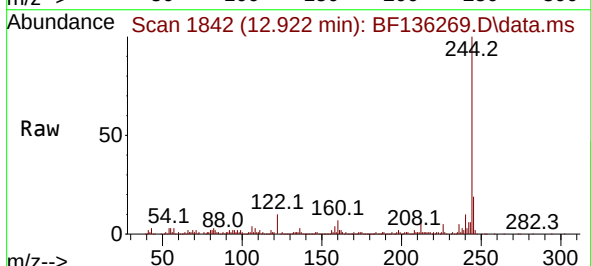
11/29/2023
Supervised By :mohammad
ahmed

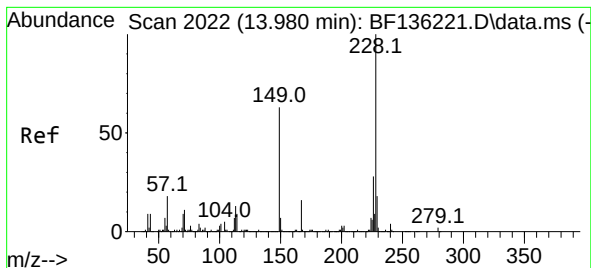
12/01/2023



#79
Terphenyl-d14
Concen: 4.575 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:244 Resp: 103948
Ion Ratio Lower Upper
244 100
212 6.4 4.6 7.0
122 9.8 7.3 10.9





#81

Benzo(a)anthracene

Concen: 5.966 ng m

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNF

ClientSampleId :

SU-04-112023

Tgt Ion:228 Resp: 116128

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

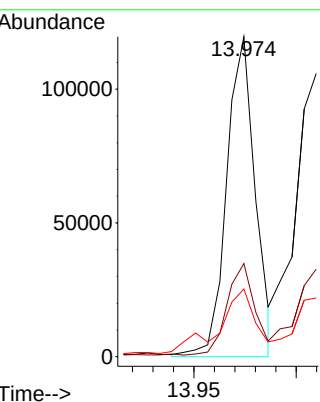
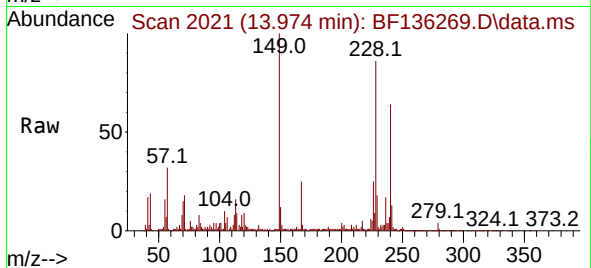
229 21.2 14.0 21.0

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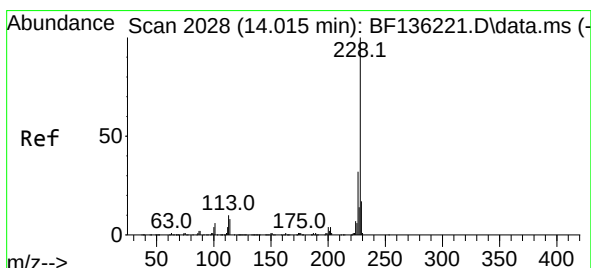
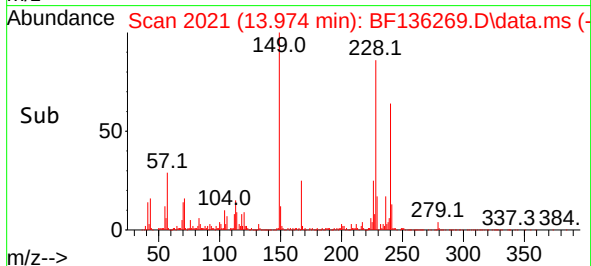
Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



11/29/2023
Supervised By :mohammad
ahmed

12/01/2023



#83

Chrysene

Concen: 5.795 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

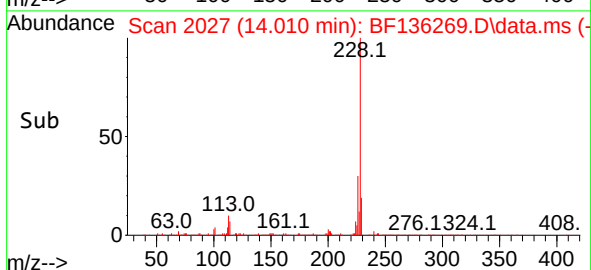
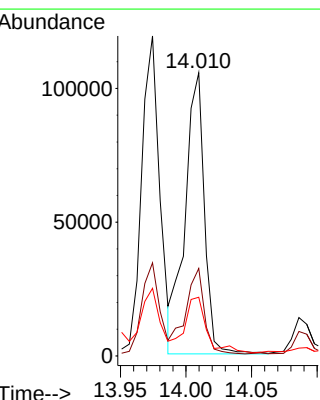
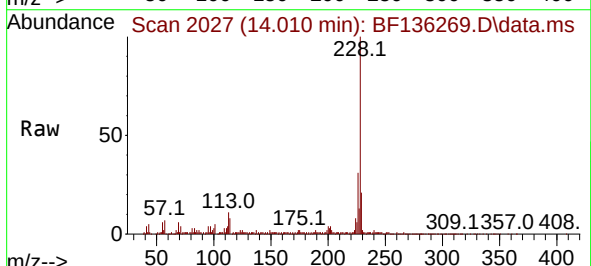
Tgt Ion:228 Resp: 108910

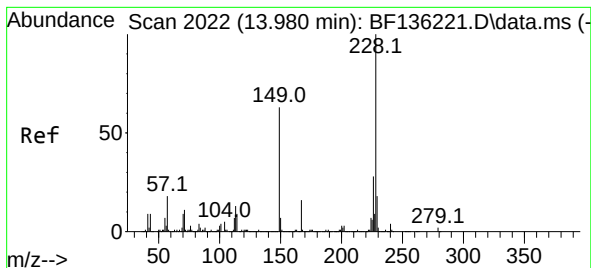
Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

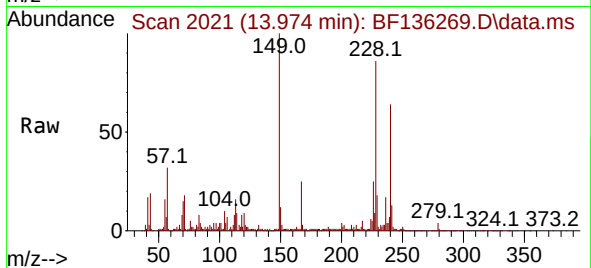
229 20.7 13.9 20.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 10.509 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

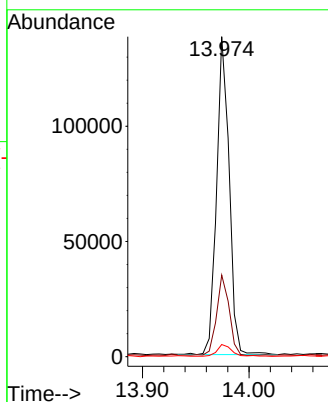
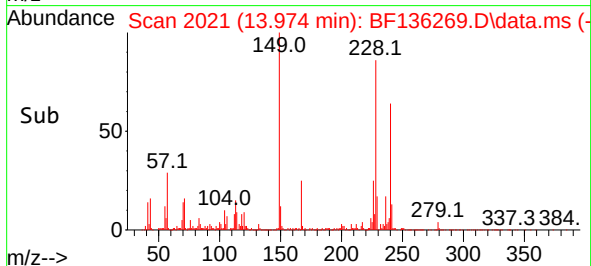
Instrument :
BNA_F
ClientSampleId :
SU-04-112023



Tgt Ion:149 Resp: 11265
Ion Ratio Lower Upper
149 100
167 25.5 20.2 30.2
279 3.8 2.4 3.6

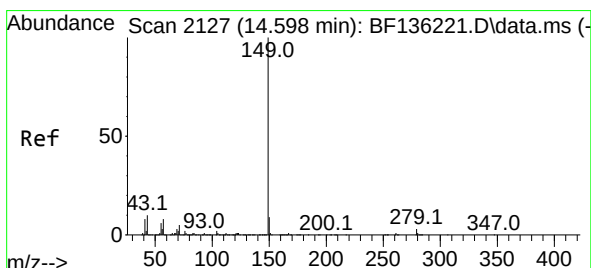
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Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



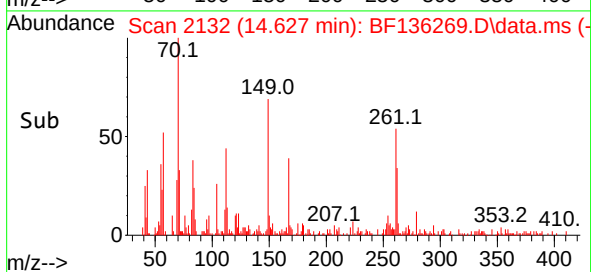
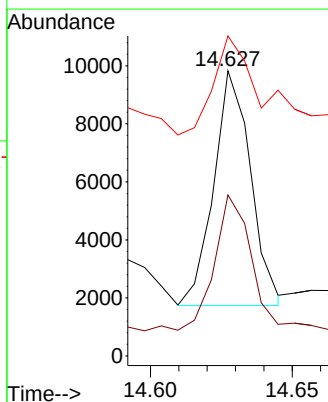
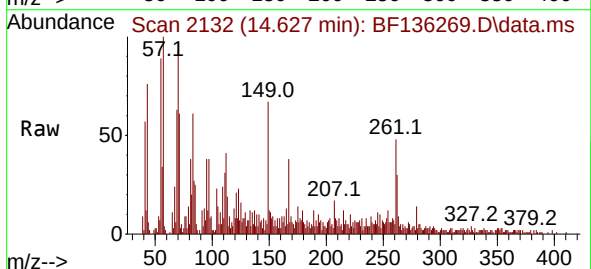
11/29/2023
Supervised By :mohammad
ahmed

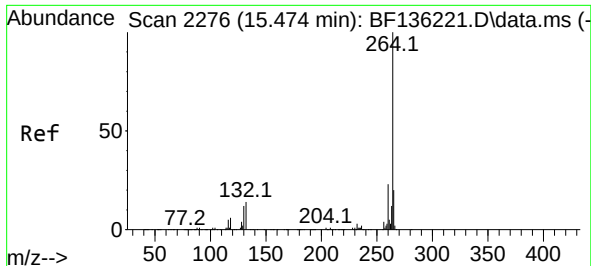
12/01/2023



#85
Di-n-octyl phthalate
Concen: 5.538 ng m
RT: 14.627 min Scan# 2132
Delta R.T. 0.029 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

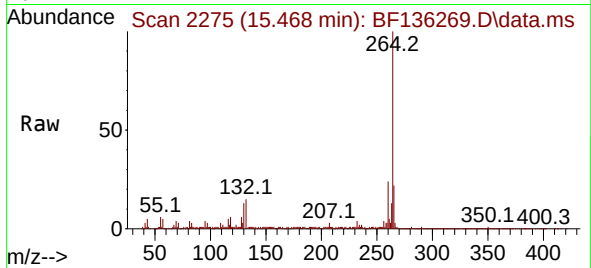
Tgt Ion:149 Resp: 7327
Ion Ratio Lower Upper
149 100
167 0.0 1.0 1.6#
43 0.0 7.2 10.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

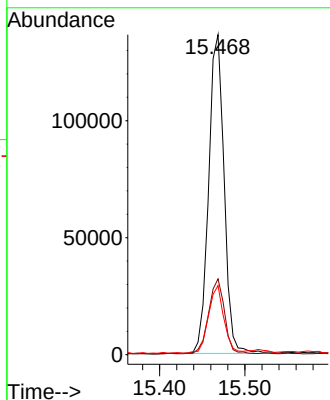
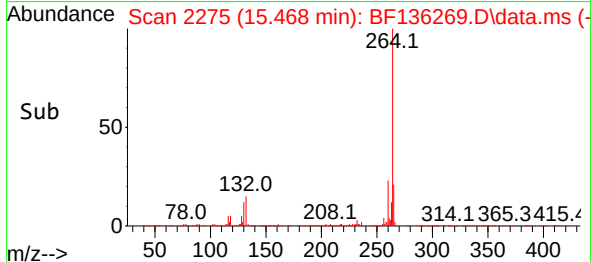
Instrument :
BNA_F
ClientSampleId :
SU-04-112023



Tgt Ion:264 Resp: 171630
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 21.6 15.7 23.5

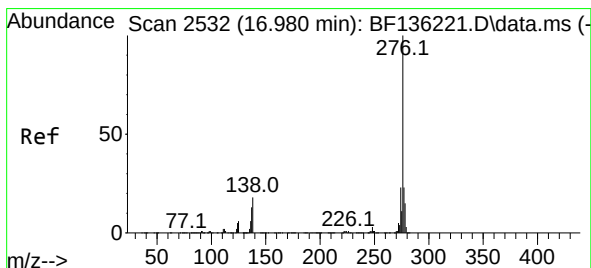
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Supervised By :mohammad ahmed 12/01/2023



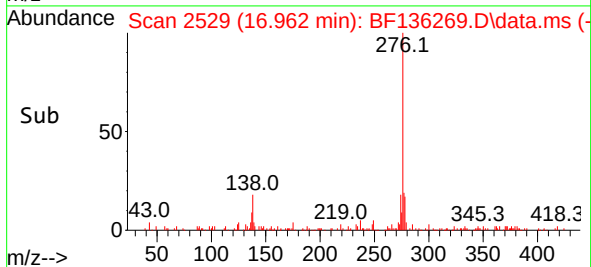
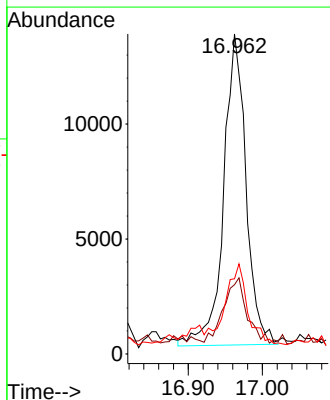
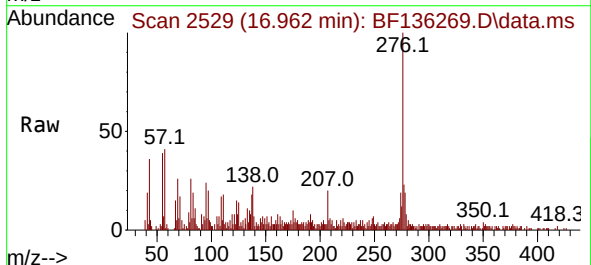
11/29/2023
Supervised By :mohammad
ahmed

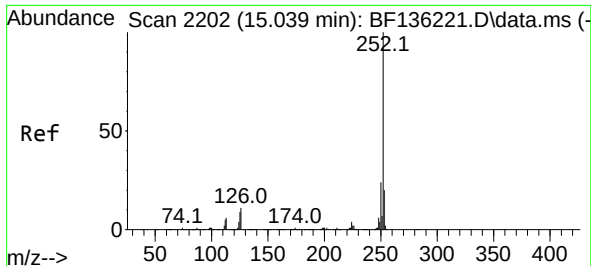
12/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.773 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.018 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

Tgt Ion:276 Resp: 28448
Ion Ratio Lower Upper
276 100
138 22.3 17.7 26.5
277 24.6 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 7.479 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-112023

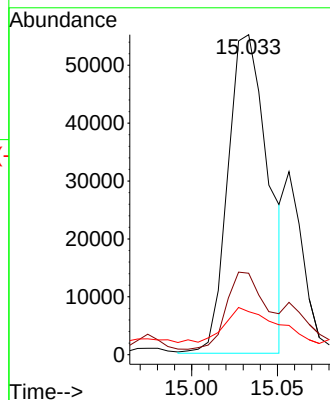
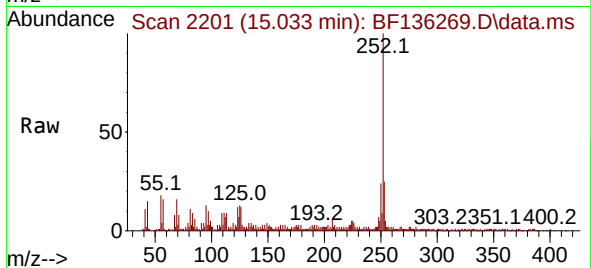
Tgt Ion:252 Resp: 9006
 Ion Ratio Lower Upper
 252 100
 253 25.5 16.2 24.2
 125 13.5 6.9 10.3

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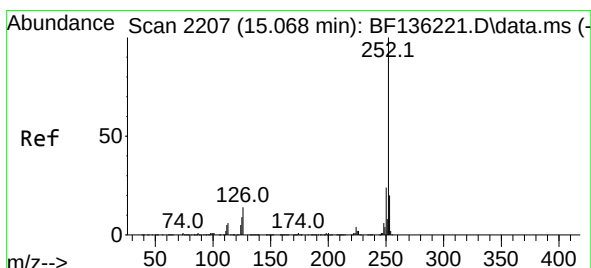
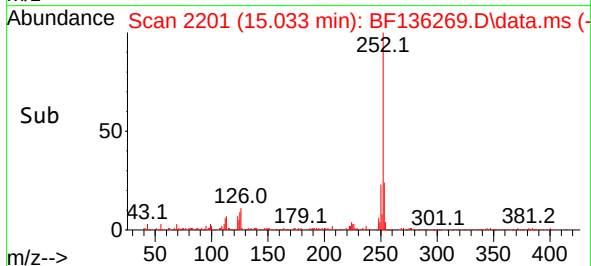
Supervised By :mohammad ahmed 12/01/2023



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Supervised By :mohammad
ahmed

12/01/2023



#89

Benzo(k)fluoranthene

Concen: 2.295 ng m

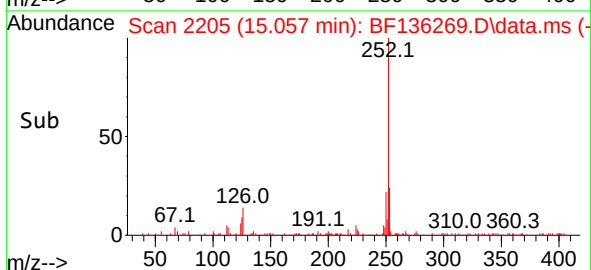
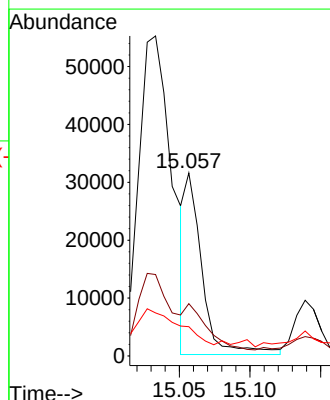
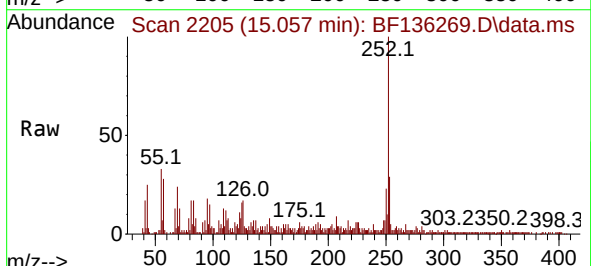
RT: 15.057 min Scan# 2205

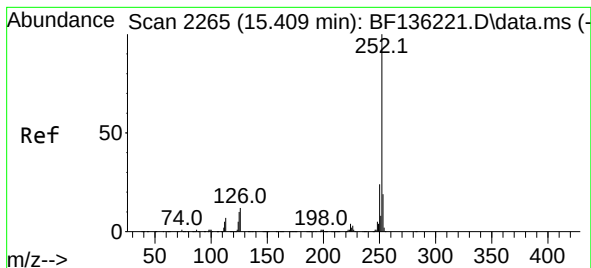
Delta R.T. -0.011 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Tgt Ion:252 Resp: 26249
 Ion Ratio Lower Upper
 252 100
 253 28.6 15.6 23.4#
 125 16.0 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 5.475 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

Instrument :

BNA_F

ClientSampleId :

SU-04-112023

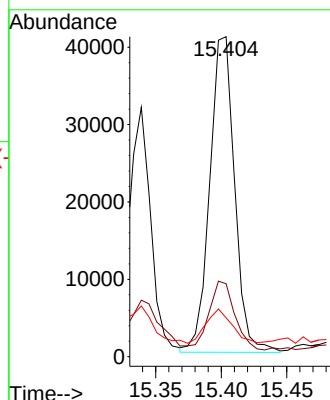
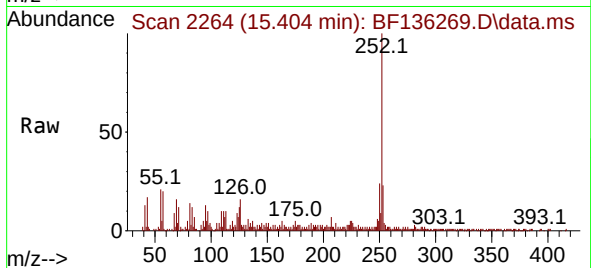
Tgt Ion:	252	Resp:	5389
Ion Ratio	Lower	Upper	
252	100		
253	22.8	15.5	23.3
125	12.1	7.9	11.9

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Reviewed By :Yogesh Patel 11/29/2023

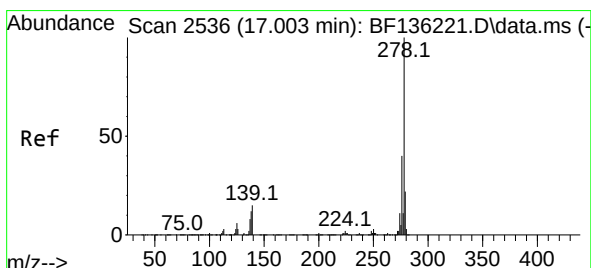
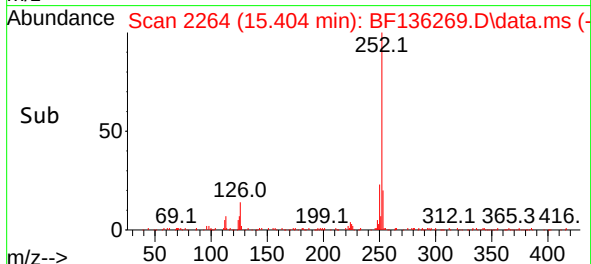
Supervised By :mohammad ahmed 12/01/2023



11/29/2023

Supervised By :mohammad
ahmed

12/01/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.453 ng

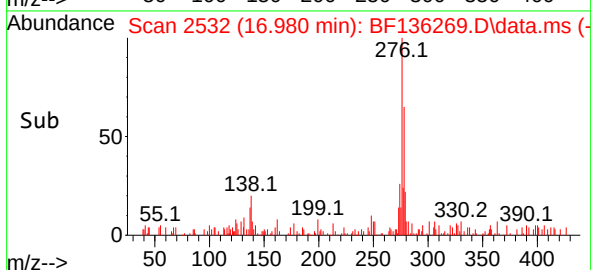
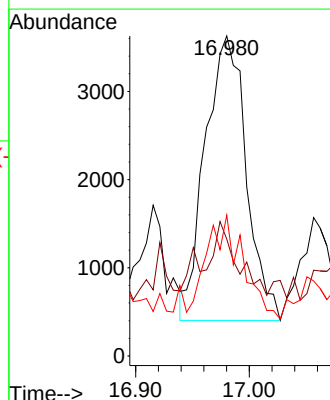
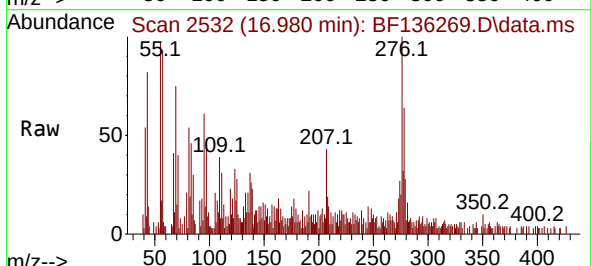
RT: 16.980 min Scan# 2532

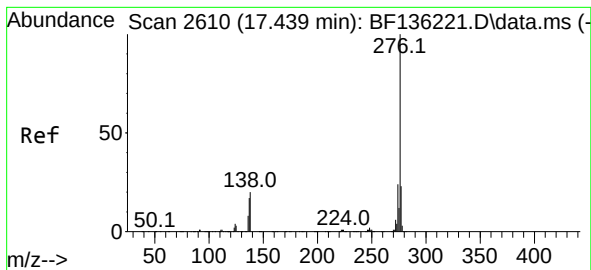
Delta R.T. -0.023 min

Lab File: BF136269.D

Acq: 29 Nov 2023 01:54

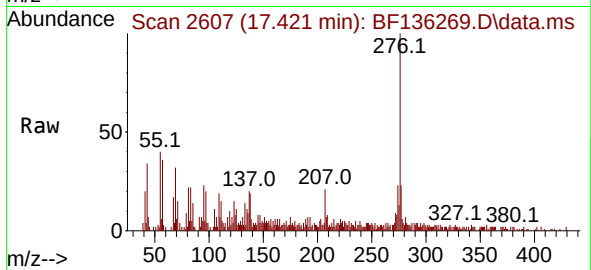
Tgt Ion:	278	Resp:	8072
Ion Ratio	Lower	Upper	
278	100		
139	36.5	11.7	17.5#
279	44.0	17.8	26.8#





#92
Benzo(g,h,i)perylene
Concen: 4.584 ng
RT: 17.421 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF136269.D
Acq: 29 Nov 2023 01:54

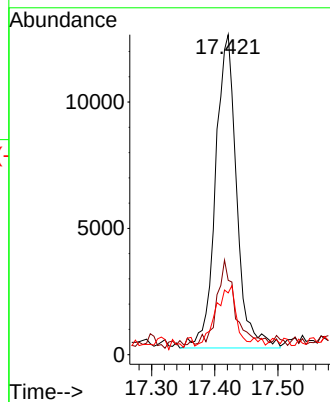
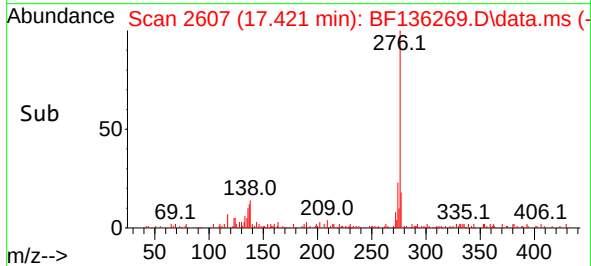
Instrument :
BNA_F
ClientSampleId :
SU-04-112023



Tgt Ion:276 Resp: 2887
Ion Ratio Lower Upper
276 100
277 23.2 18.6 27.8
138 19.3 15.8 23.8

Manual Integrations
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Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



11/29/2023
Supervised By :mohammad
ahmed

12/01/2023