

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136928.D
 Acq On : 04 Jan 2024 02:06
 Operator : CG\JU
 Sample : 06041-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-12282023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024

Quant Time: Jan 04 03:46:12 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							01/04/2024 Supervised By :mohammad ahmed
1) 1,4-Dichlorobenzene-d4	6.781	152	53240	20.000	ng	-0.01	
21) Naphthalene-d8	8.057	136	171642	20.000	ng	-0.01	
39) Acenaphthene-d10	9.816	164	73991	20.000	ng	-0.01	
64) Phenanthrene-d10	11.310	188	144643	20.000	ng	0.00	
76) Chrysene-d12	13.968	240	115455	20.000	ng	0.00	
86) Perylene-d12	15.451	264	87886	20.000	ng	0.00	01/04/2024
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	399849	117.182	ng	0.00	
7) Phenol-d6	6.440	99	455684	103.064	ng	0.00	
23) Nitrobenzene-d5	7.345	82	268456	80.034	ng	-0.01	
42) 2,4,6-Tribromophenol	10.616	330	108927	125.001	ng	0.00	
45) 2-Fluorobiphenyl	9.139	172	464071	84.357	ng	-0.01	
79) Terphenyl-d14	12.910	244	526662	63.747	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.081	128	23559	2.498	ng		99
52) Acenaphthene	9.845	154	19607	4.384	ng		98
55) Dibenzofuran	10.022	168	16662	2.458	ng		97
58) Fluorene	10.369	166	25274	4.699	ng		99
71) Phenanthrene	11.333	178	171196	23.067	ng		99
72) Anthracene	11.386	178	51950	6.912	ng		98
73) Carbazole	11.551	167	23428	3.306	ng		98
75) Fluoranthene	12.533	202	189710	23.897	ng		98
78) Pyrene	12.763	202	159773	14.097	ng		99
81) Benzo(a)anthracene	13.957	228	69500	8.669	ng		98
83) Chrysene	13.992	228	63521	8.102	ng		98
87) Indeno(1,2,3-cd)pyrene	16.962	276	21241	3.347	ng		98
88) Benzo(b)fluoranthene	15.015	252	55418m	9.441	ng		
89) Benzo(k)fluoranthene	15.045	252	22604m	4.075	ng		
90) Benzo(a)pyrene	15.386	252	40407	8.155	ng	#	90
92) Benzo(g,h,i)perylene	17.421	276	21697	4.069	ng		96

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

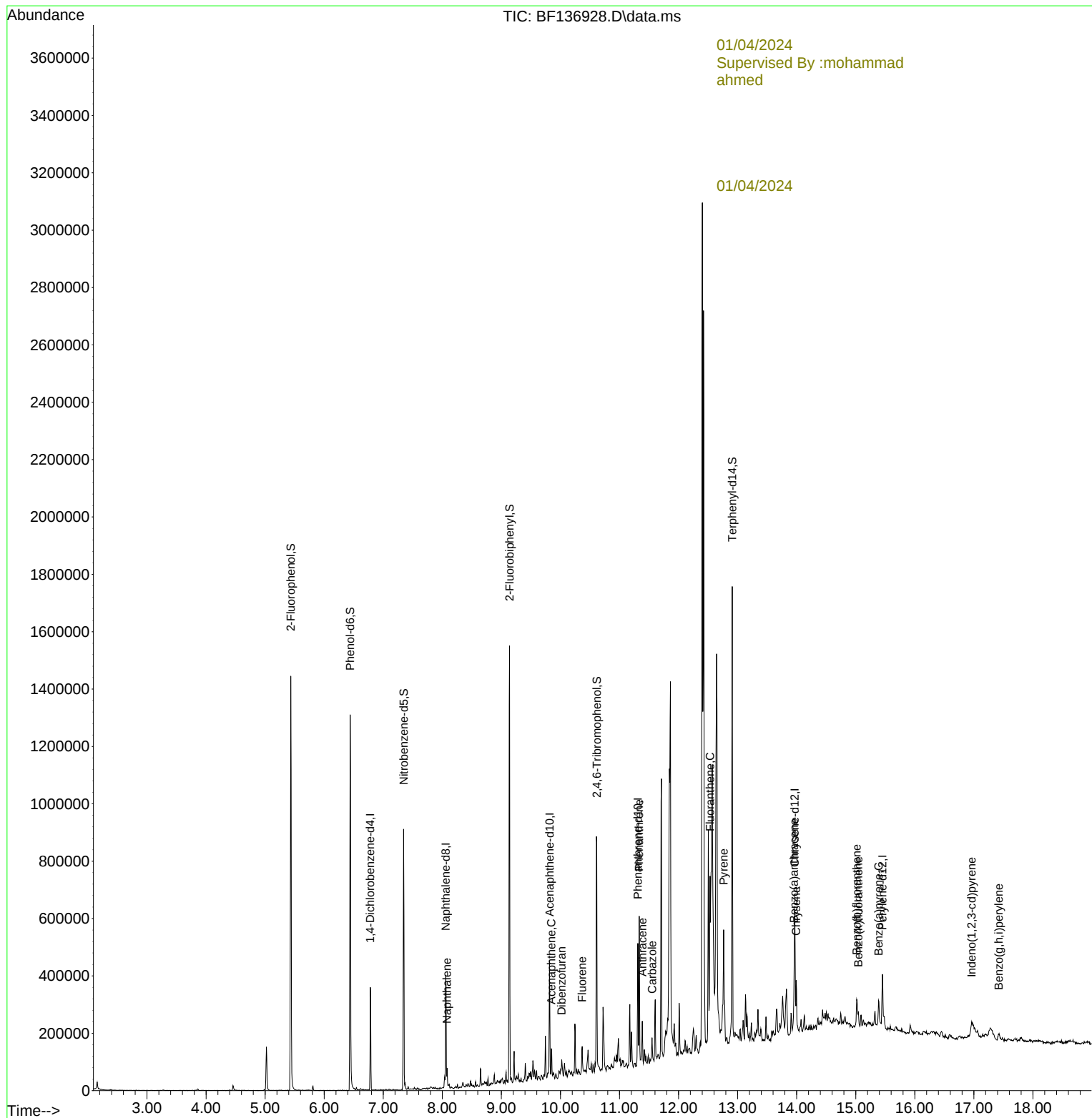
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136928.D
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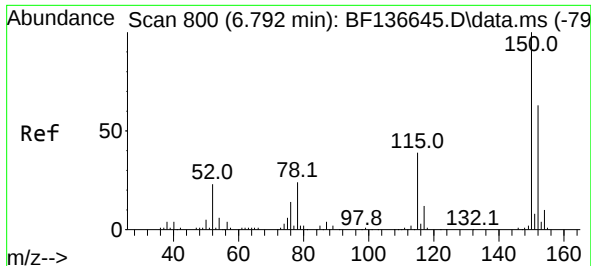
Instrument :
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Quant Time: Jan 04 03:46:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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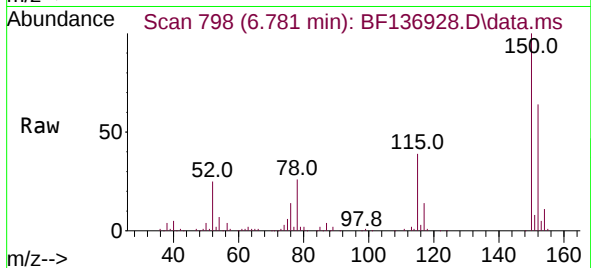
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

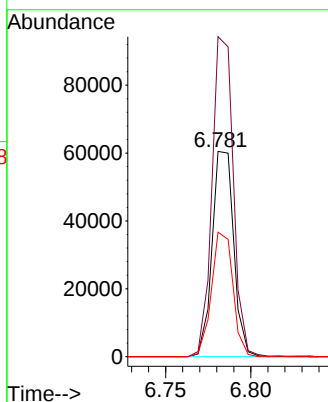
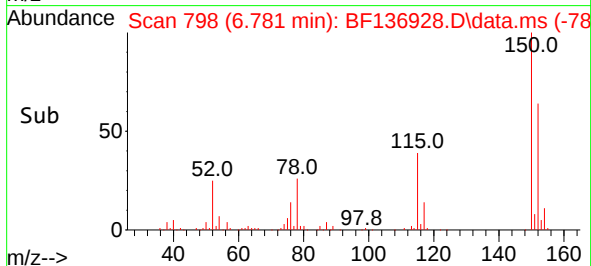
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023



Tgt Ion:152 Resp: 53240
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 60.6 49.0 73.4

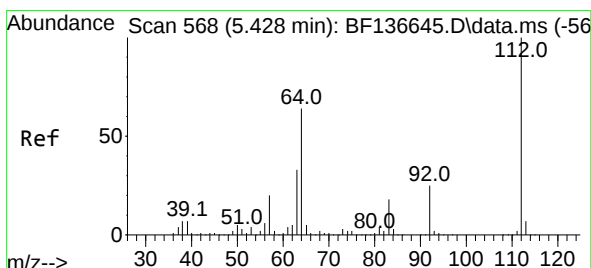
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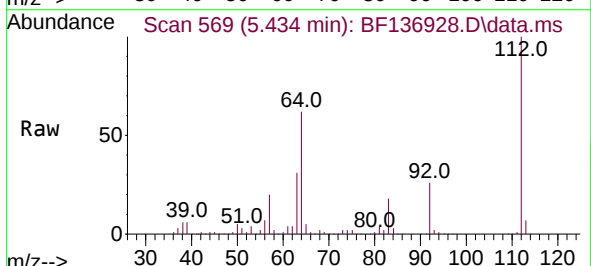


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ahmed

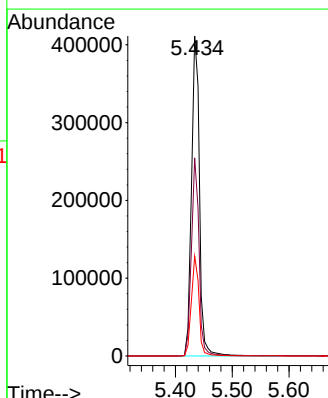
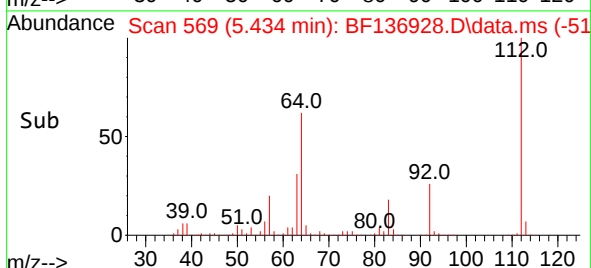
01/04/2024

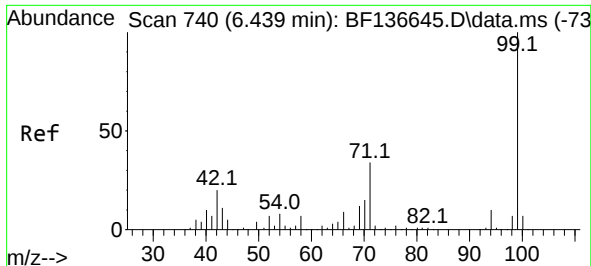


#5
2-Fluorophenol
Concen: 117.182 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06



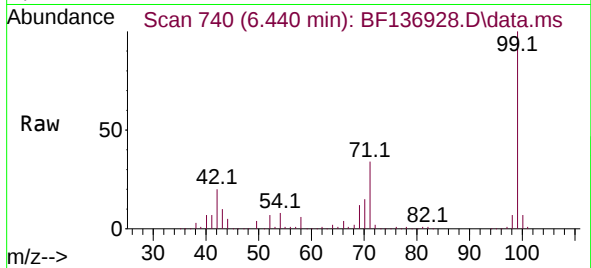
Tgt Ion:112 Resp: 399849
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 31.2 26.1 39.1





#7
Phenol-d6
Concen: 103.064 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

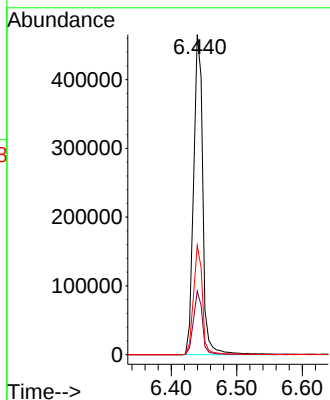
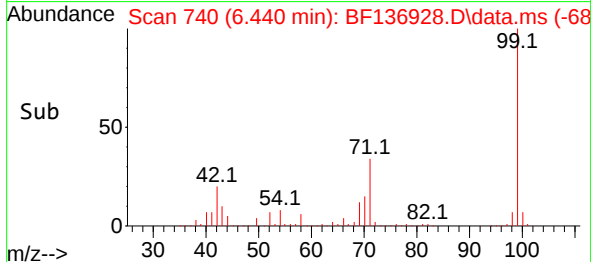
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023



Tgt Ion: 99 Resp: 455684
Ion Ratio Lower Upper
99 100
42 19.9 16.1 24.1
71 34.1 27.4 41.2

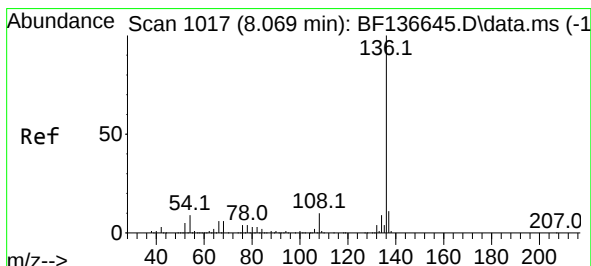
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Supervised By :mohammad ahmed 01/04/2024

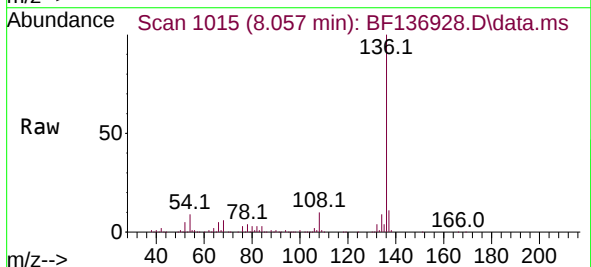


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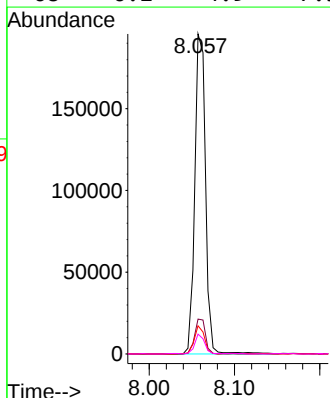
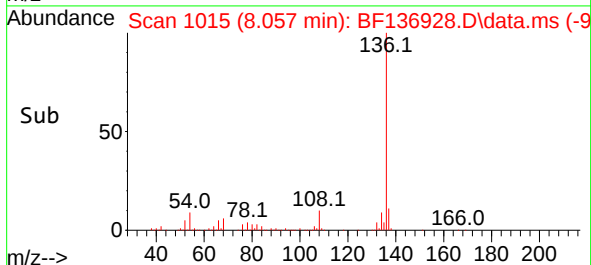
01/04/2024

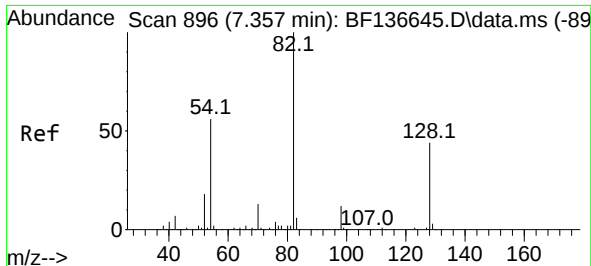


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06



Tgt Ion:136 Resp: 171642
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.8 7.2 10.8
68 6.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 80.034 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

Tgt Ion: 82 Resp: 268450

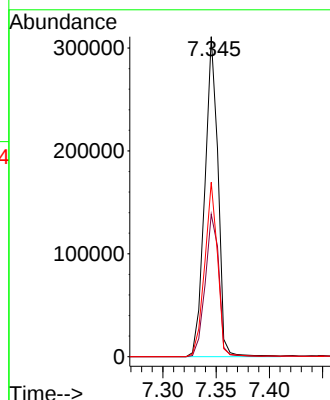
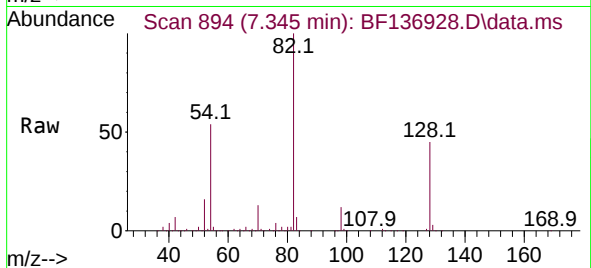
Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.3	52.9
54	54.5	44.5	66.7

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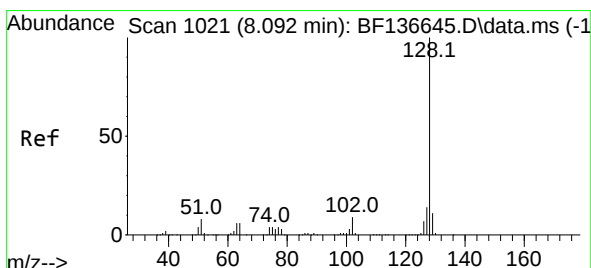
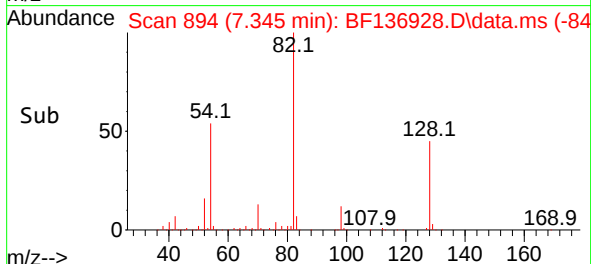
Supervised By :mohammad ahmed 01/04/2024



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ahmed

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#31

Naphthalene

Concen: 2.498 ng

RT: 8.081 min Scan# 1019

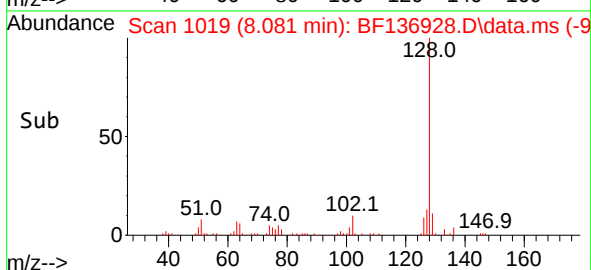
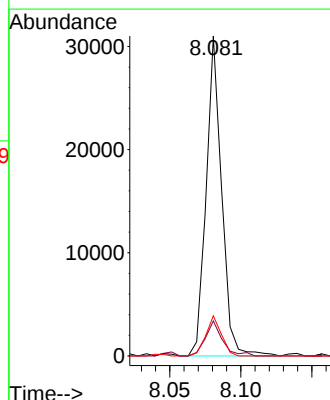
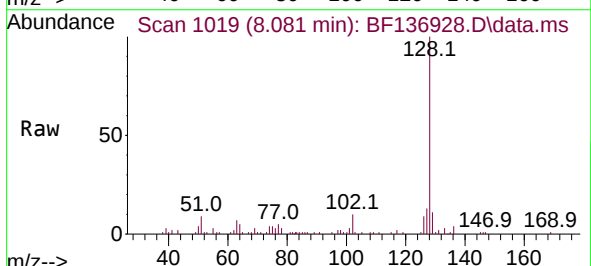
Delta R.T. -0.012 min

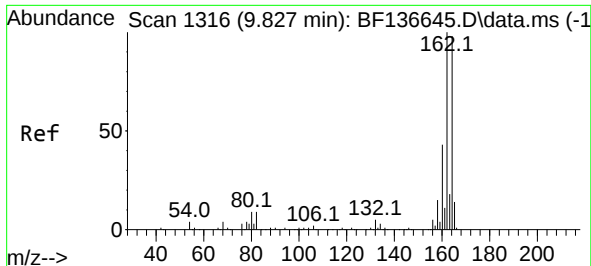
Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Tgt Ion:128 Resp: 23559

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.6	10.8	16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

Tgt Ion:164 Resp: 7399

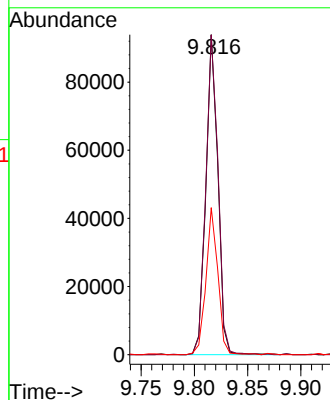
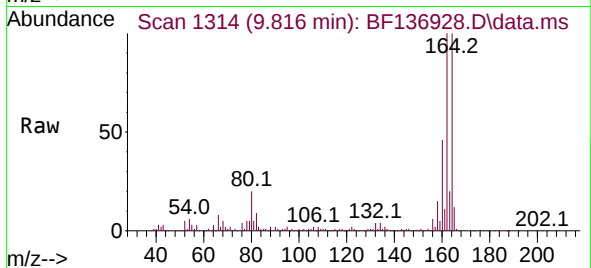
Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.6	122.4
160	46.0	34.9	52.3

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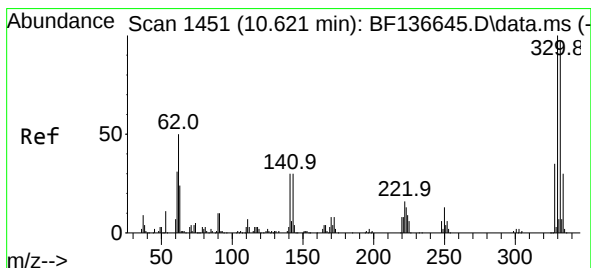
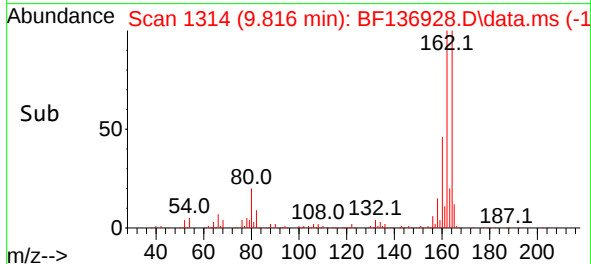
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ahmed

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#42

2,4,6-Tribromophenol

Concen: 125.001 ng

RT: 10.616 min Scan# 1450

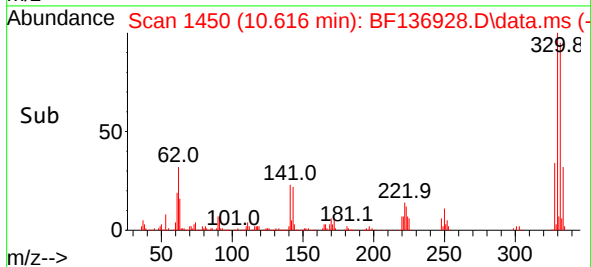
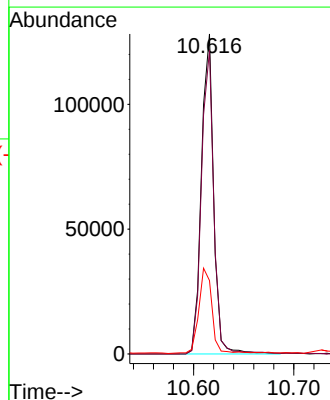
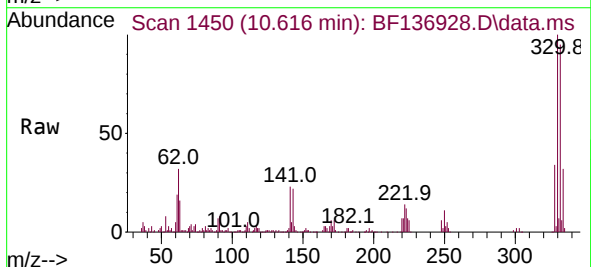
Delta R.T. -0.006 min

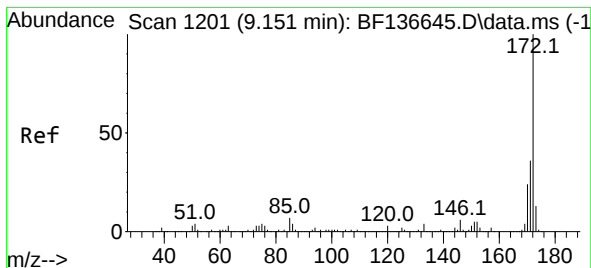
Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Tgt Ion:330 Resp: 108927

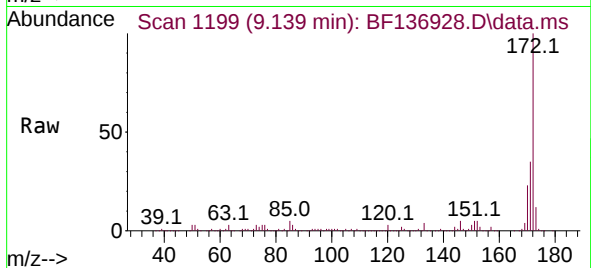
Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.0
141	28.5	23.4	35.2





#45
2-Fluorobiphenyl
Concen: 84.357 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

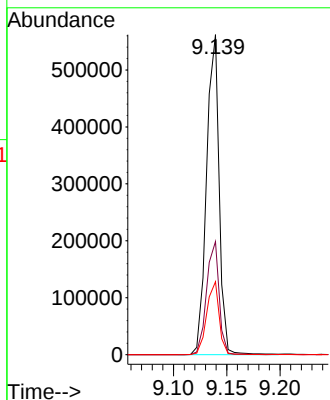
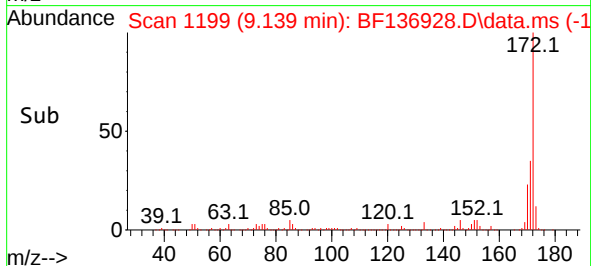
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023



Tgt Ion:172 Resp: 46407
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.6
170 22.8 19.0 28.4

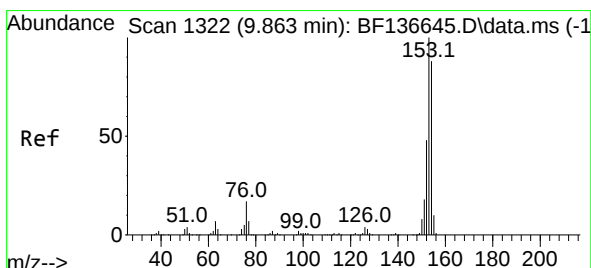
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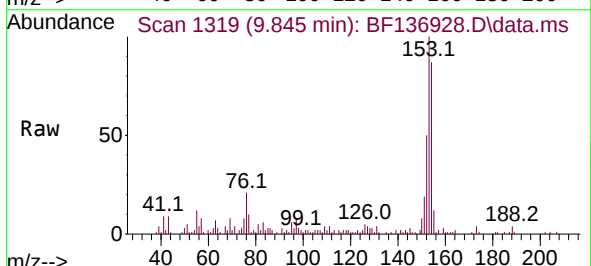


01/04/2024
Supervised By :mohammad
ahmed

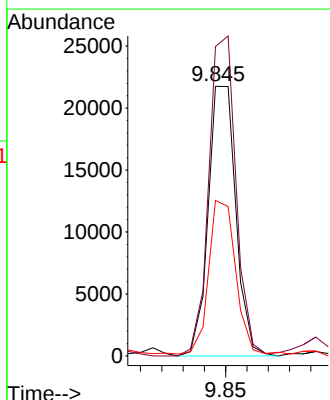
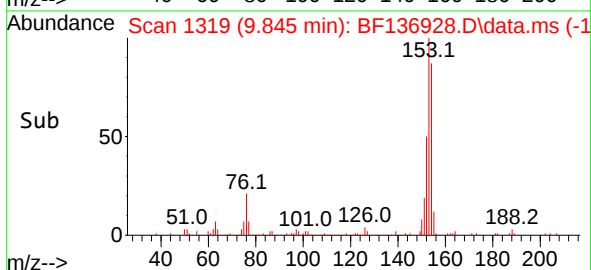
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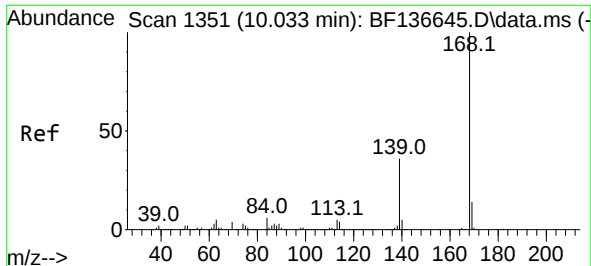


#52
Acenaphthene
Concen: 4.384 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06



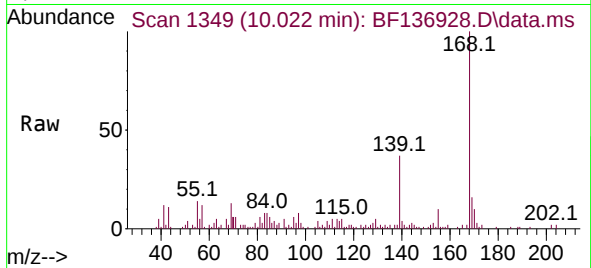
Tgt Ion:154 Resp: 19607
Ion Ratio Lower Upper
154 100
153 114.7 90.7 136.1
152 57.7 43.7 65.5





#55
Dibenzenofuran
Concen: 2.458 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

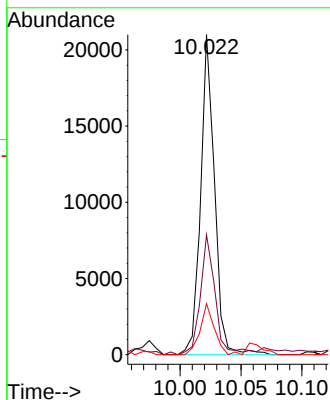
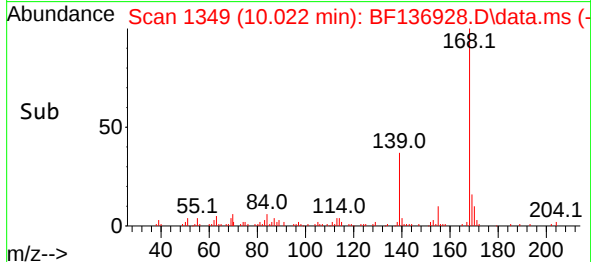
Instrument :
BNA_F
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BU-02-12282023



Tgt Ion:168 Resp: 1666
Ion Ratio Lower Upper
168 100
139 37.4 29.3 43.9
169 16.0 11.0 16.4

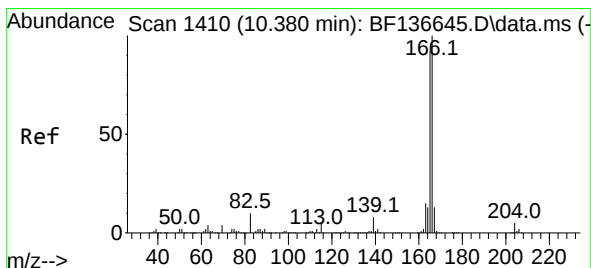
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Supervised By :mohammad ahmed 01/04/2024



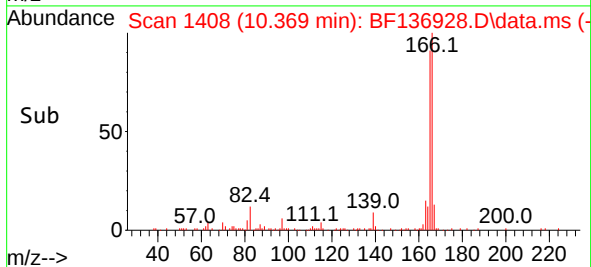
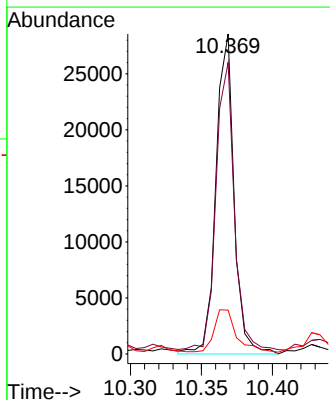
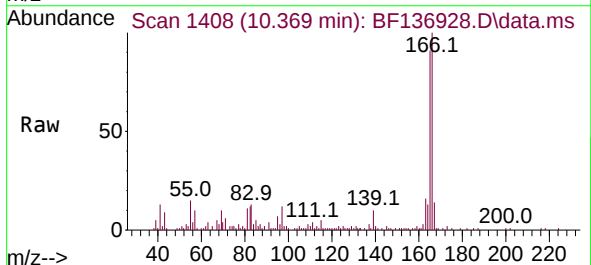
01/04/2024
Supervised By :mohammad
ahmed

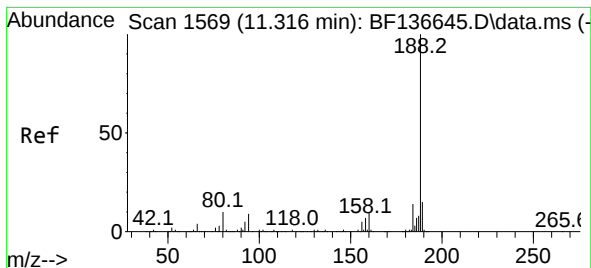
01/04/2024



#58
Fluorene
Concen: 4.699 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion:166 Resp: 25274
Ion Ratio Lower Upper
166 100
165 91.0 73.7 110.5
167 13.7 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

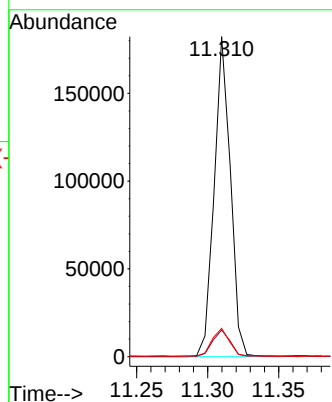
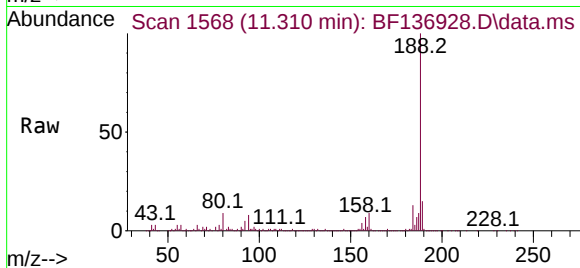
ClientSampleId :

BU-02-12282023

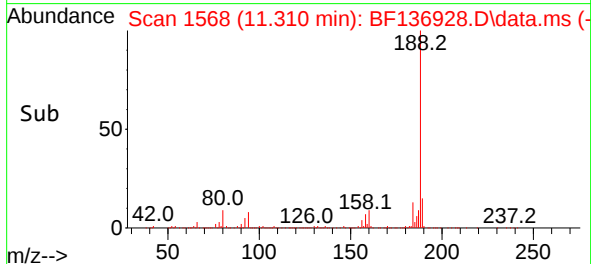
Tgt Ion:188 Resp: 14464
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 8.9 8.1 12.1

Manual Integrations
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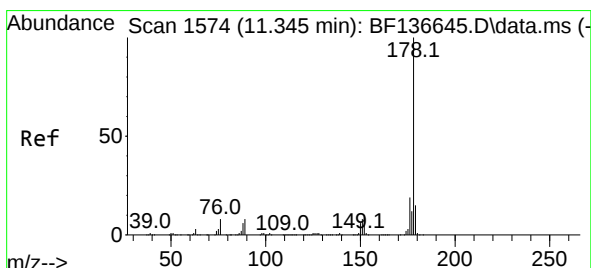
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



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Supervised By :mohammad
ahmed

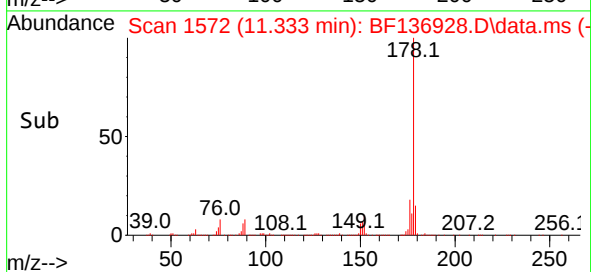
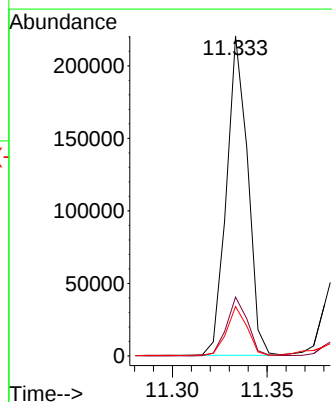
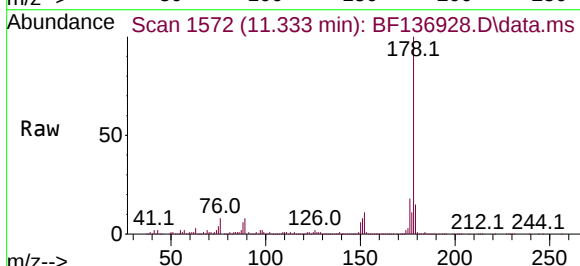


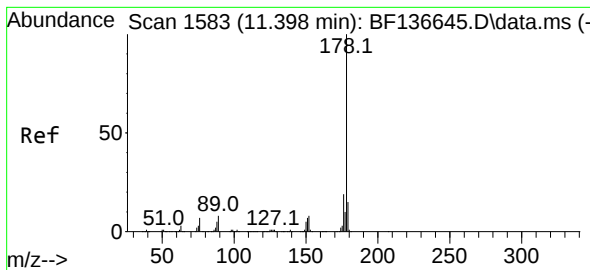
01/04/2024



#71
Phenanthrene
Concen: 23.067 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

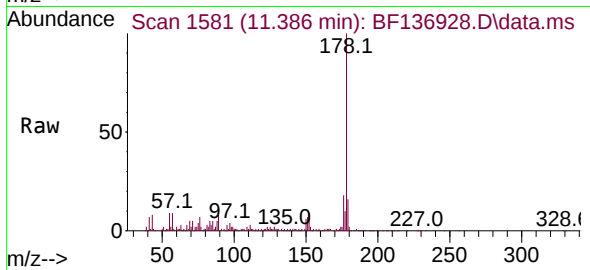
Tgt Ion:178 Resp: 171196
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.5 11.9 17.9





#72
 Anthracene
 Concen: 6.912 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136928.D
 Acq: 04 Jan 2024 02:06

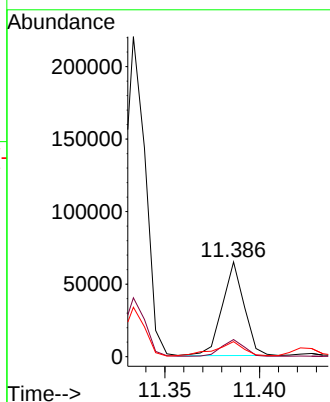
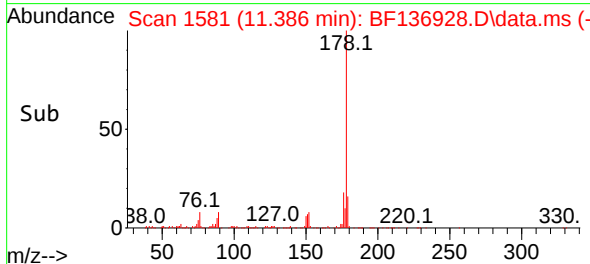
Instrument :
 BNA_F
 ClientSampleId :
 BU-02-12282023



Tgt Ion:178 Resp: 51950
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.9 22.3
 179 15.8 11.8 17.6

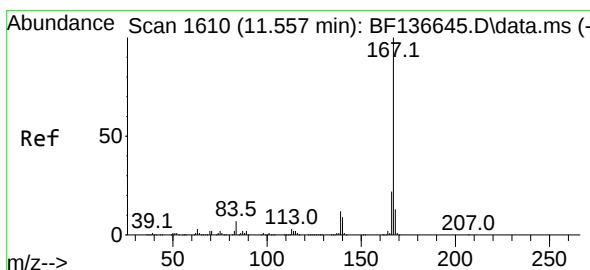
Manual Integrations
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Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024



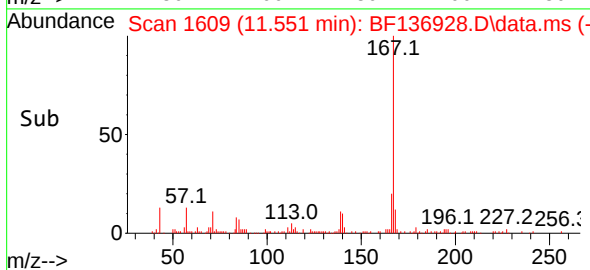
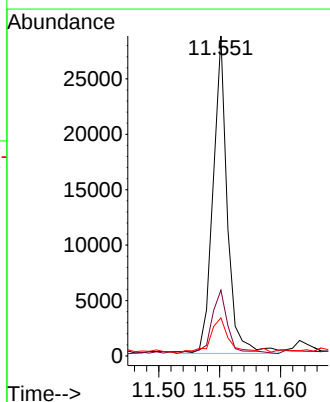
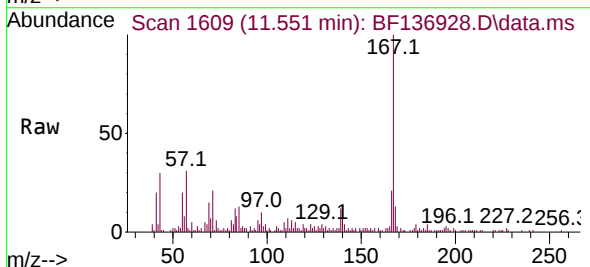
01/04/2024
 Supervised By :mohammad
 ahmed

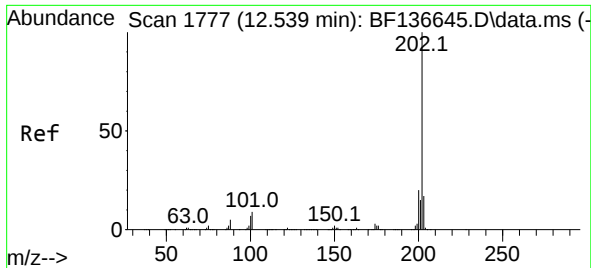
01/04/2024



#73
 Carbazole
 Concen: 3.306 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF136928.D
 Acq: 04 Jan 2024 02:06

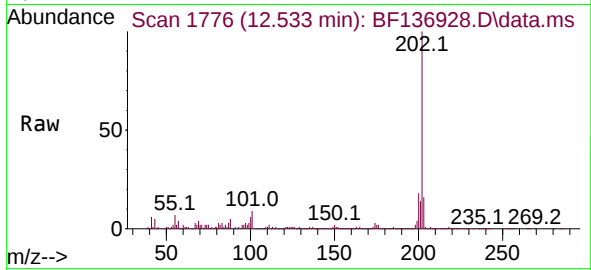
Tgt Ion:167 Resp: 23428
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.3 25.9
 139 11.9 9.8 14.6





#75
Fluoranthene
Concen: 23.897 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

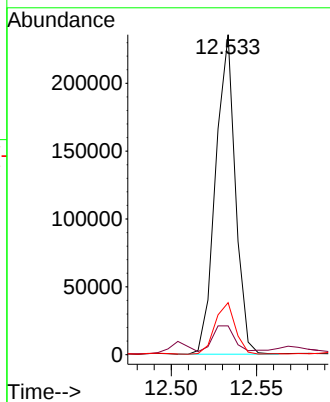
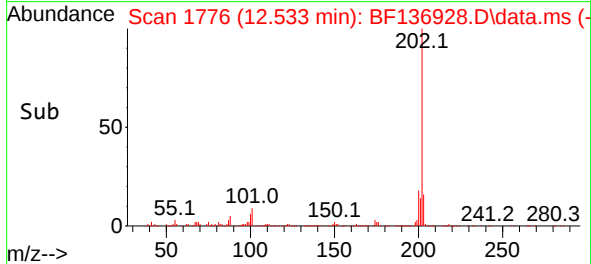
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023



Tgt Ion:202 Resp: 189710
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.3
203 16.2 0.0 37.1

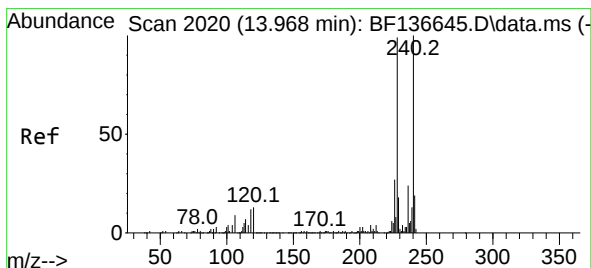
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Supervised By :mohammad ahmed 01/04/2024



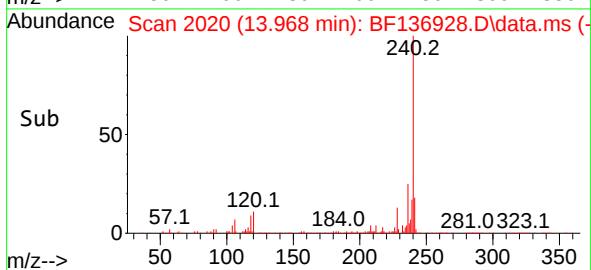
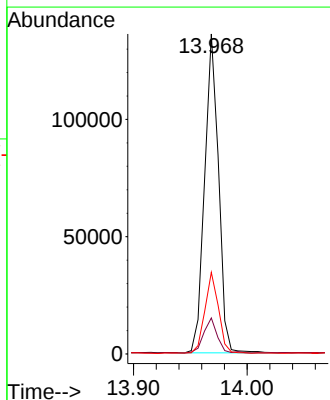
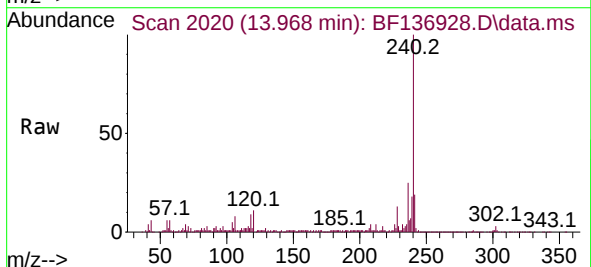
01/04/2024
Supervised By :mohammad
ahmed

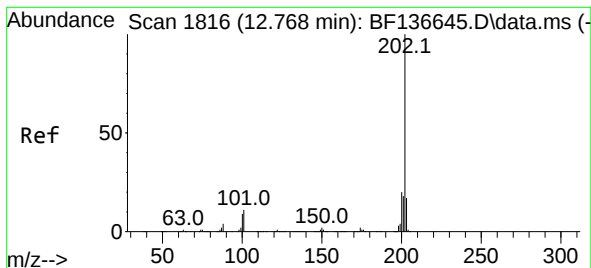
01/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion:240 Resp: 115455
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 25.5 19.4 29.2





#78

Pyrene

Concen: 14.097 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

Tgt Ion:202 Resp: 15977

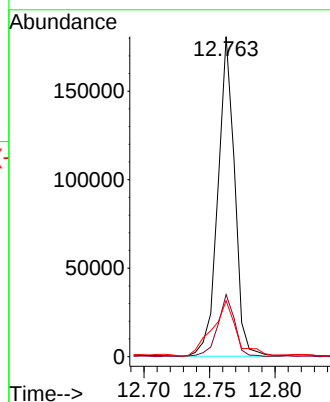
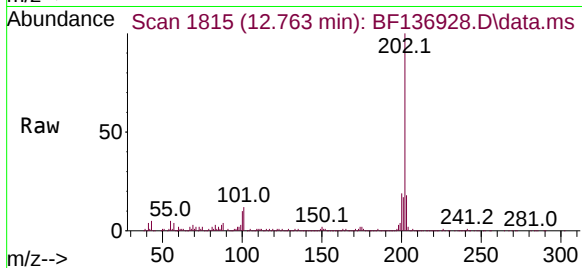
Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.9	23.9
203	17.5	13.8	20.6

Manual Integrations

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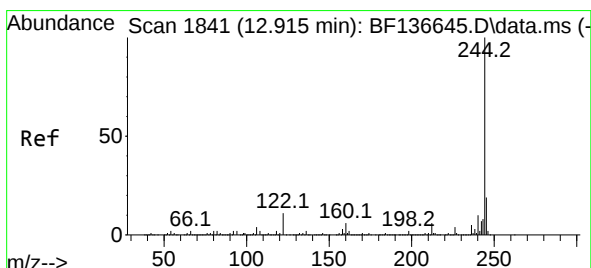
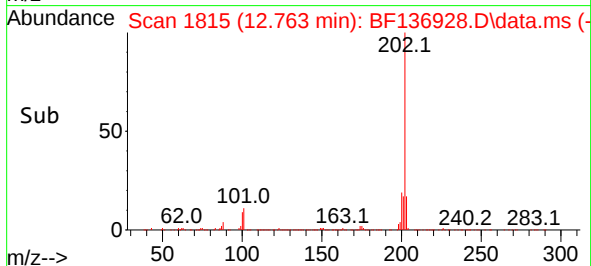
Supervised By :mohammad ahmed 01/04/2024



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Supervised By :mohammad
ahmed

01/04/2024



#79

Terphenyl-d14

Concen: 63.747 ng

RT: 12.910 min Scan# 1840

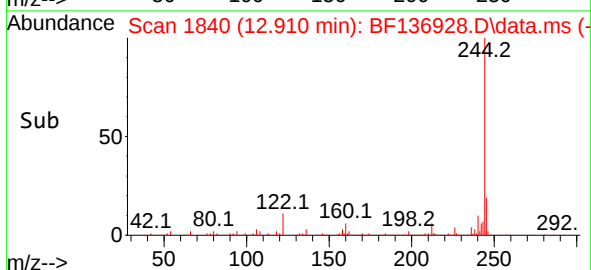
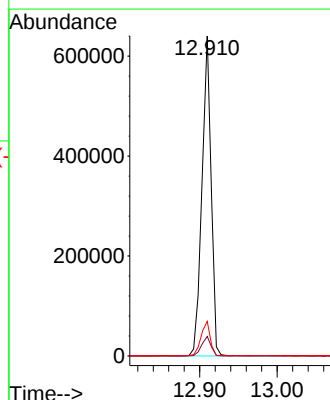
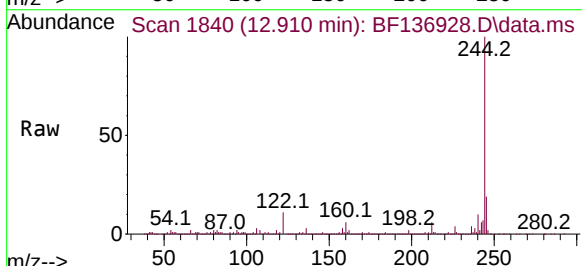
Delta R.T. -0.006 min

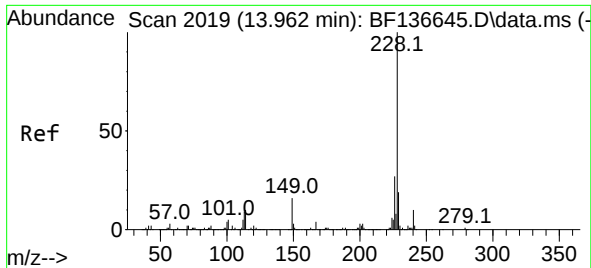
Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Tgt Ion:244 Resp: 526662

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.0	7.4
122	10.8	9.0	13.4





#81
Benzo(a)anthracene
Concen: 8.669 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

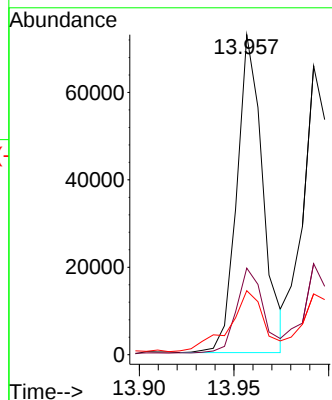
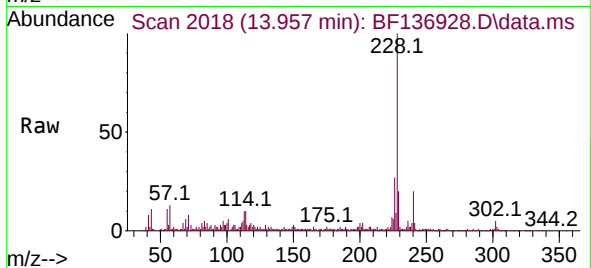
Tgt Ion:228 Resp: 69500
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.0
229 20.0 14.9 22.3

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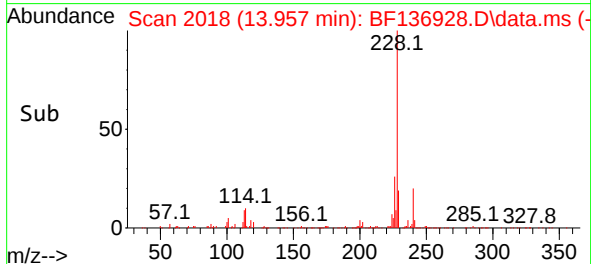
APPROVED

Reviewed By :Yogesh Patel 01/04/2024

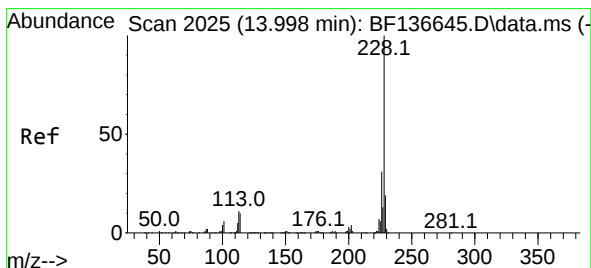
Supervised By :mohammad ahmed 01/04/2024



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Supervised By :mohammad
ahmed

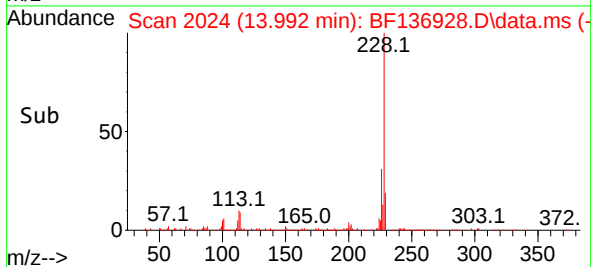
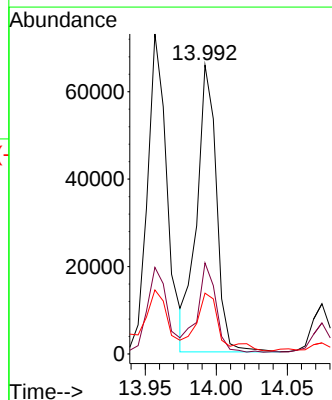
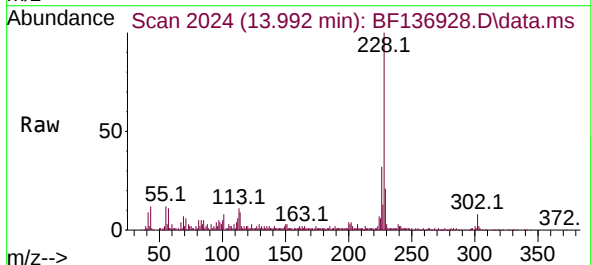


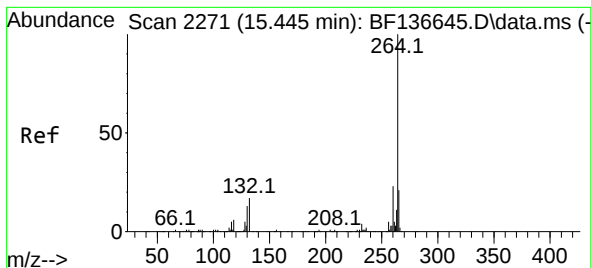
01/04/2024



#83
Chrysene
Concen: 8.102 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

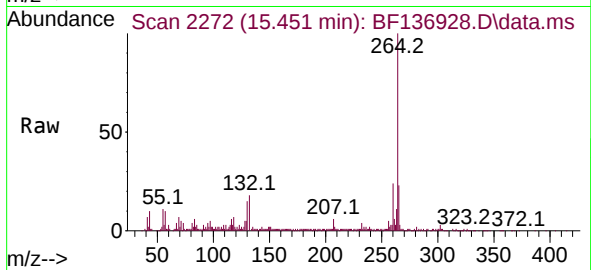
Tgt Ion:228 Resp: 63521
Ion Ratio Lower Upper
228 100
226 31.5 24.7 37.1
229 21.0 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

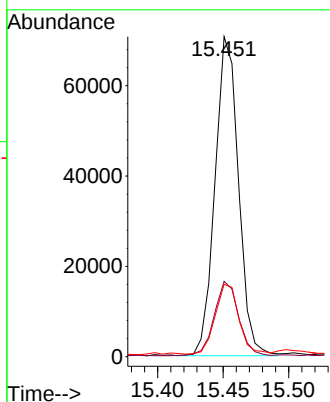
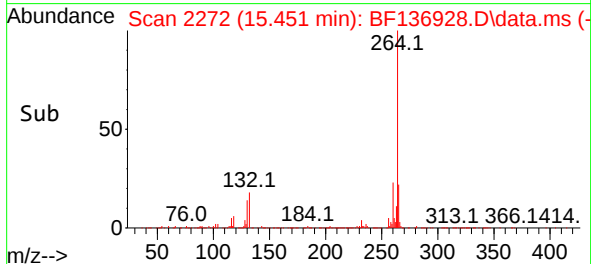
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023



Tgt Ion:264 Resp: 87880
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 22.6 17.0 25.6

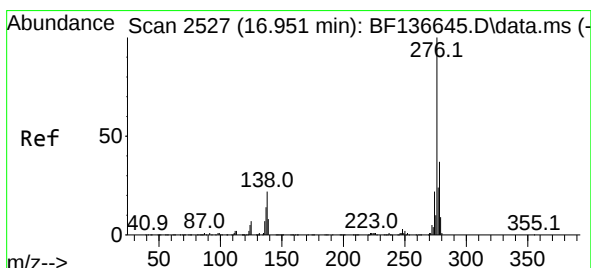
Manual Integrations
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Supervised By :mohammad ahmed 01/04/2024



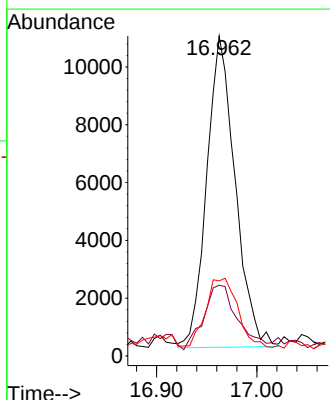
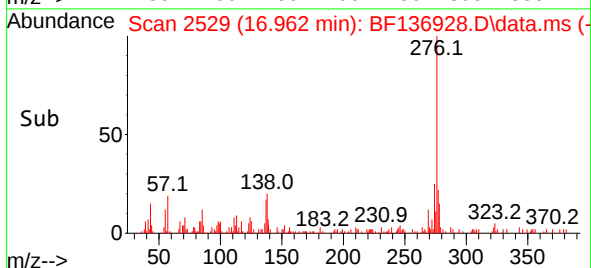
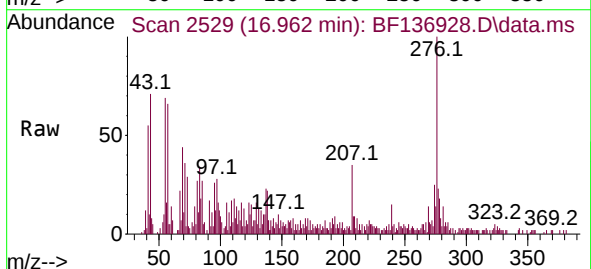
01/04/2024
Supervised By :mohammad
ahmed

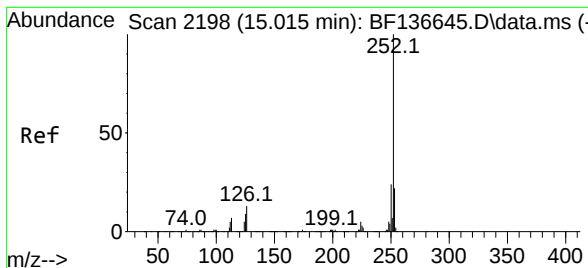
01/04/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.347 ng
RT: 16.962 min Scan# 2529
Delta R.T. 0.012 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

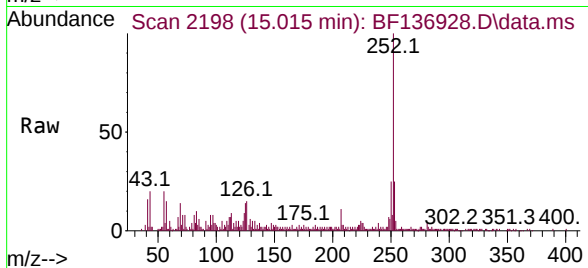
Tgt Ion:276 Resp: 21241
Ion Ratio Lower Upper
276 100
138 24.7 18.7 28.1
277 24.6 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 9.441 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

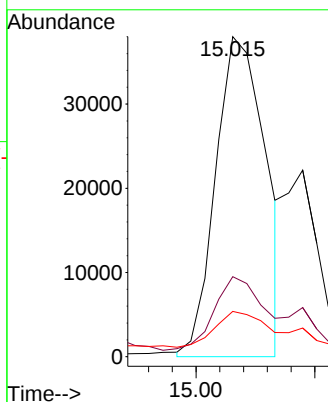
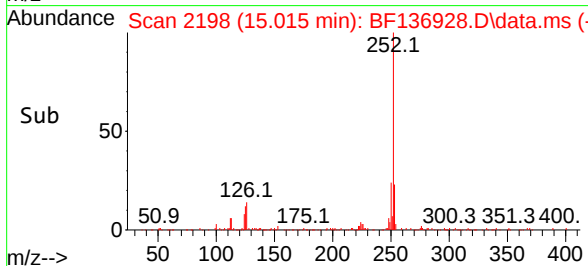
Instrument :
BNA_F
ClientSampleId :
BU-02-12282023



Tgt Ion:252 Resp: 55418
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 14.1 7.4 11.2

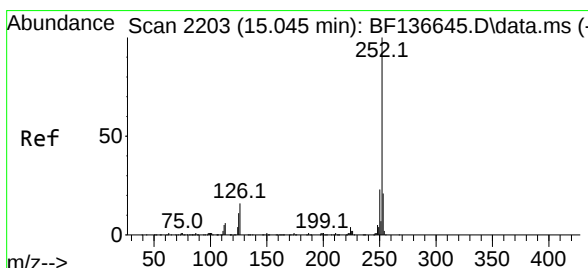
Manual Integrations
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Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



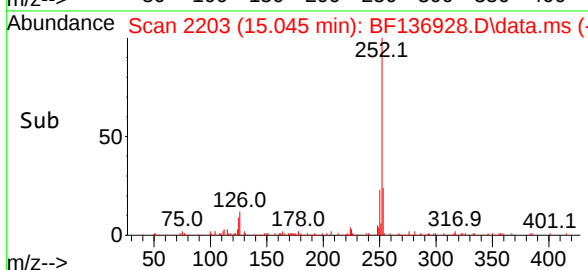
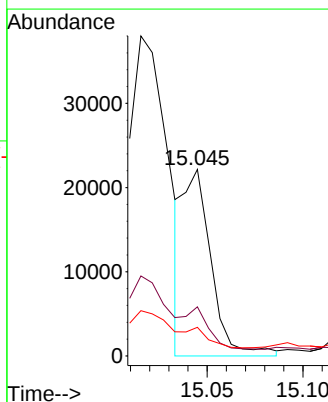
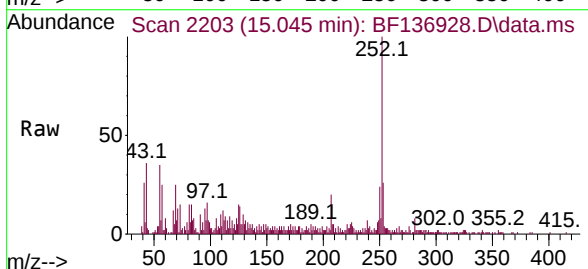
01/04/2024
Supervised By :mohammad
ahmed

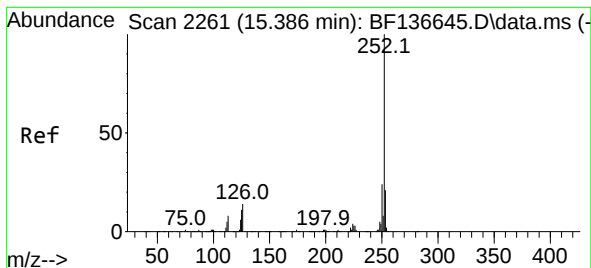
01/04/2024



#89
Benzo(k)fluoranthene
Concen: 4.075 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF136928.D
Acq: 04 Jan 2024 02:06

Tgt Ion:252 Resp: 22604
Ion Ratio Lower Upper
252 100
253 26.3 17.0 25.6#
125 15.4 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 8.155 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Instrument :

BNA_F

ClientSampleId :

BU-02-12282023

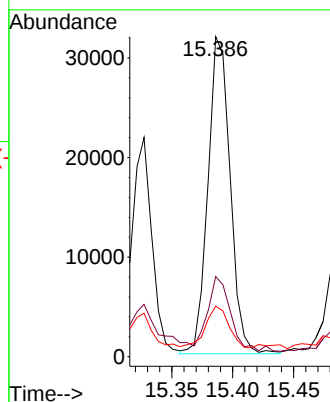
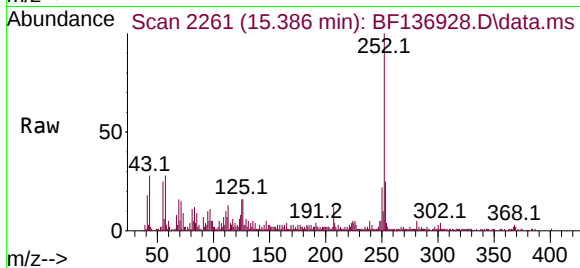
Tgt Ion:	252	Resp:	4040
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.0	25.6
125	15.8	8.8	13.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/04/2024

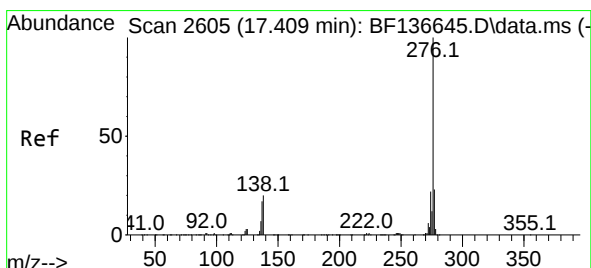
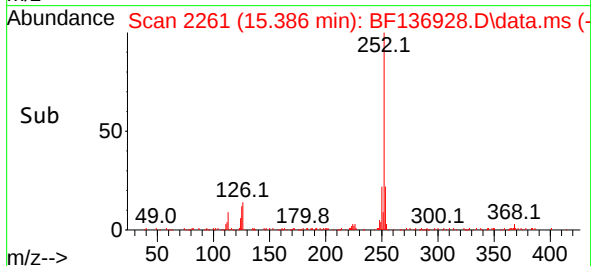
Supervised By :mohammad ahmed 01/04/2024



01/04/2024

Supervised By :mohammad
ahmed

01/04/2024



#92

Benzo(g,h,i)perylene

Concen: 4.069 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF136928.D

Acq: 04 Jan 2024 02:06

Tgt Ion:	276	Resp:	21697
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.3	27.5
138	23.3	15.6	23.4

