

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136553.D
 Acq On : 13 Dec 2023 23:26
 Operator : CG\JU
 Sample : 05466-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21144DL

Quant Time: Dec 14 01:46:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 12/14/2023

Supervised By :mohammad
 ahmed
 12/14/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	97418	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	370510	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	168999	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	262307	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	206512	20.000	ng	0.00
86) Perylene-d12	15.451	264	226746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	117216	17.770	ng	0.00
7) Phenol-d6	6.428	99	144635	17.574	ng	-0.02
23) Nitrobenzene-d5	7.351	82	77397	11.293	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	26993	12.954	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	173731	14.027	ng	-0.02
79) Terphenyl-d14	12.910	244	152828	9.754	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	78585	5.451	ng	97
75) Fluoranthene	12.545	202	1237001	81.873	ng	99
78) Pyrene	12.769	202	961136	47.522	ng	97
81) Benzo(a)anthracene	13.963	228	205722	14.301	ng	97
83) Chrysene	13.998	228	307787	21.748	ng	97
88) Benzo(b)fluoranthene	15.015	252	164883m	10.635	ng	
89) Benzo(k)fluoranthene	15.045	252	58883m	4.030	ng	
90) Benzo(a)pyrene	15.386	252	63213	4.937	ng	98

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

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Misc :
ALS Vial : 15 Sample Multiplier: 1

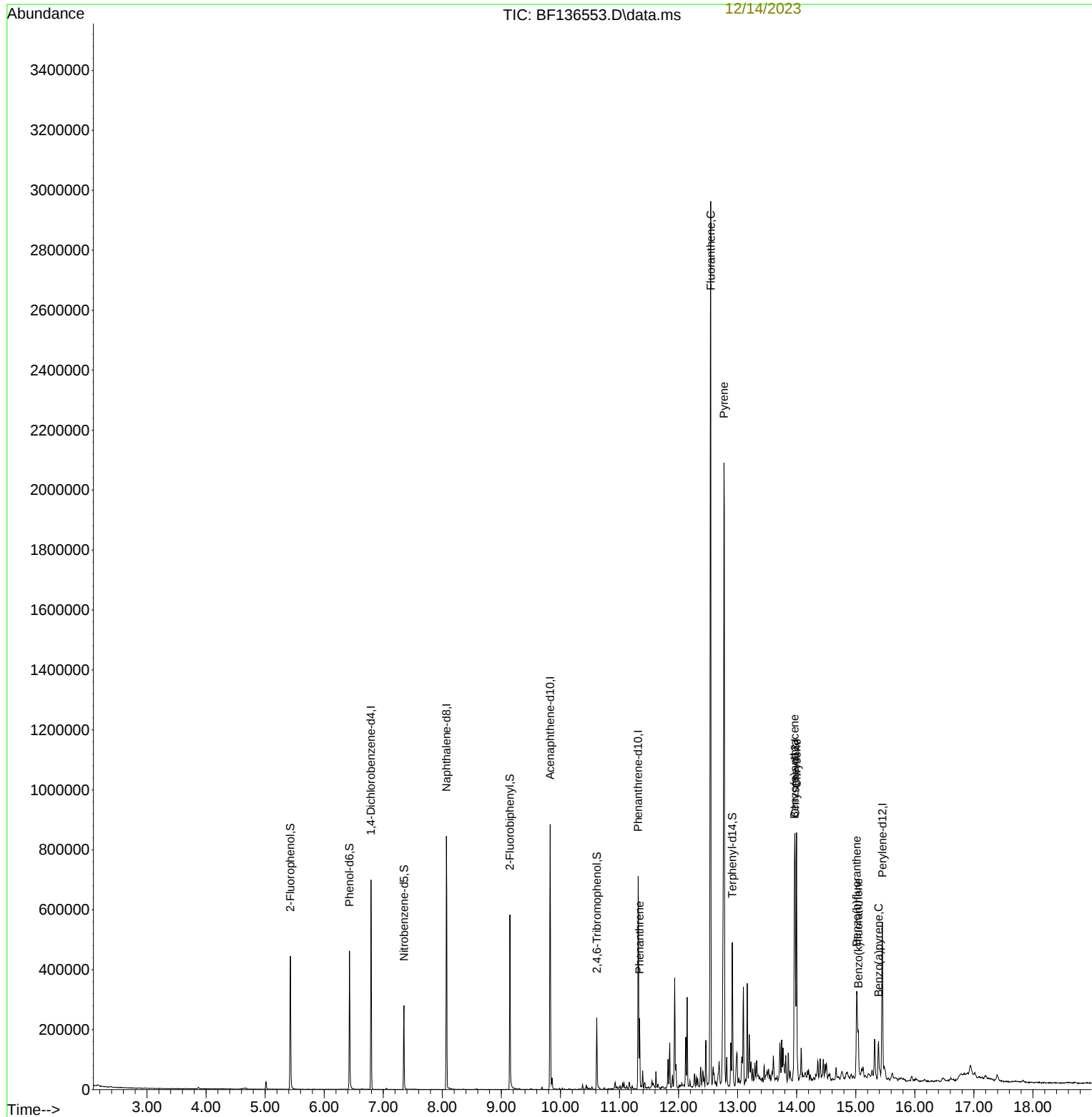
Instrument :
BNA_F
ClientSampleId :
RB21144DL

Quant Time: Dec 14 01:46:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
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Reviewed By :Yogesh
Patel
12/14/2023

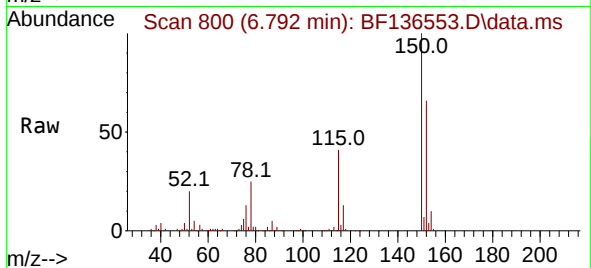
Supervised By :mohammad
ahmed
12/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Instrument :
BNA_F
ClientSampleId :
RB21144DL

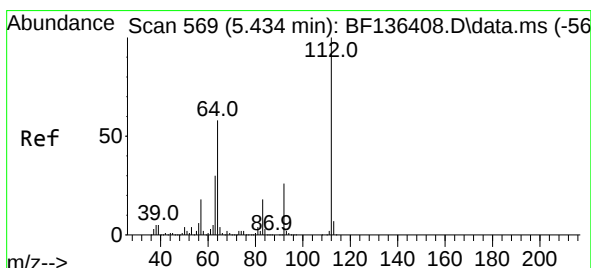
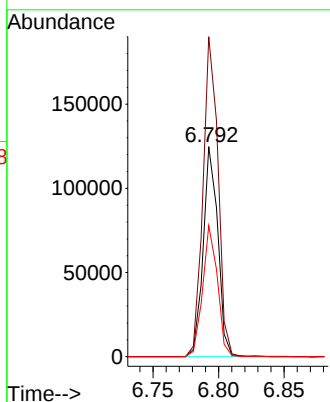
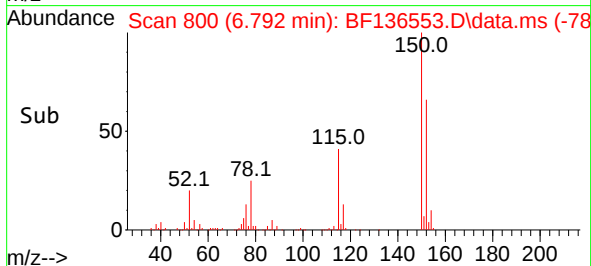


Tgt Ion:152 Resp: 97418
Ion Ratio Lower Upper
152 100
150 152.3 126.4 189.6
115 62.4 48.2 72.4

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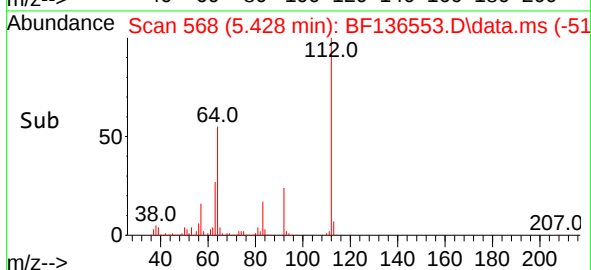
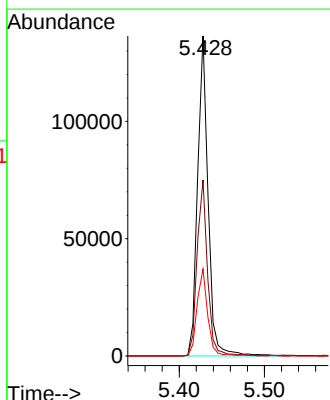
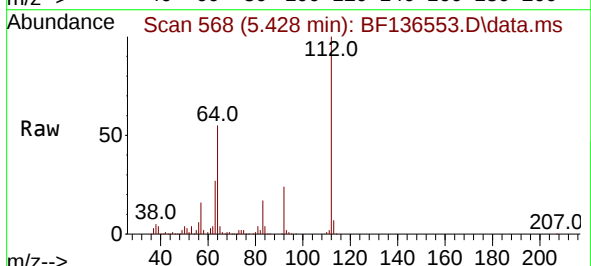
Reviewed By :Yogesh
Patel
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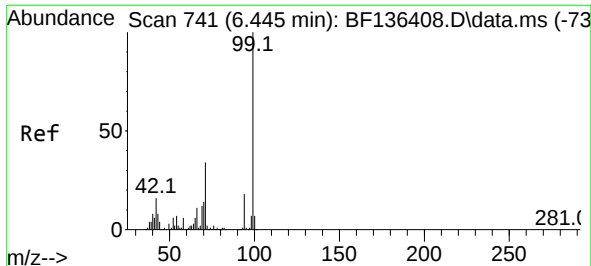
Supervised By :mohammad
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#5
2-Fluorophenol
Concen: 17.770 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

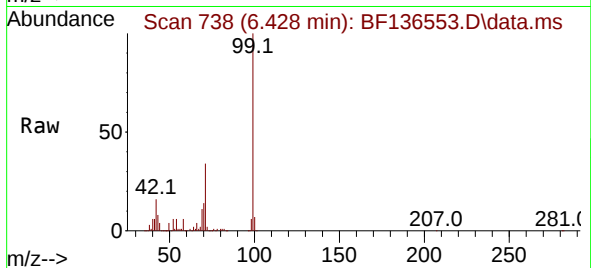
Tgt Ion:112 Resp: 117216
Ion Ratio Lower Upper
112 100
64 55.0 46.5 69.7
63 27.2 23.9 35.9





#7
Phenol-d6
Concen: 17.574 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Instrument :
BNA_F
ClientSampleId :
RB21144DL

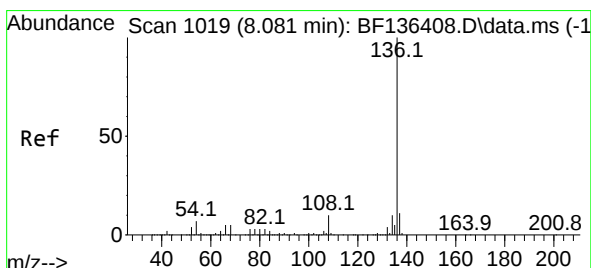
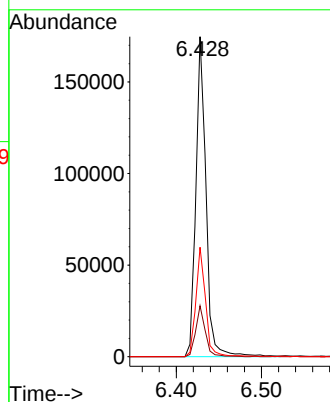
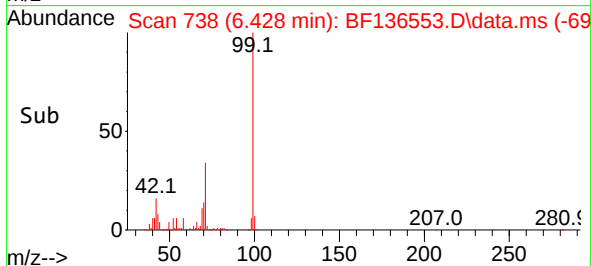


Tgt Ion: 99 Resp: 14463
Ion Ratio Lower Upper
99 100
42 15.9 12.8 19.2
71 34.2 27.0 40.4

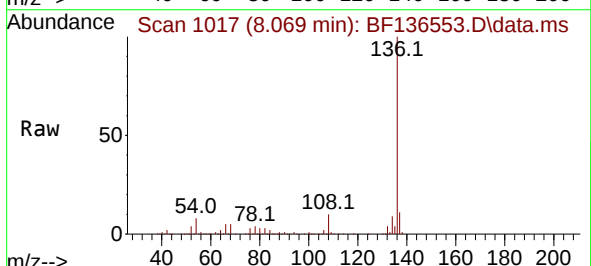
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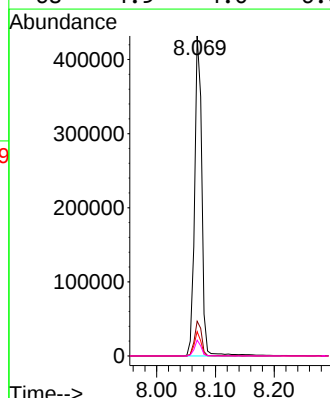
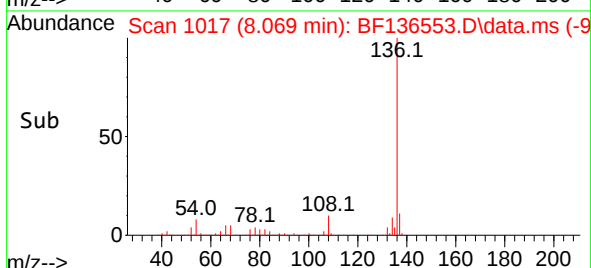
Supervised By :mohammad
ahmed
12/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26



Tgt Ion:136 Resp: 370510
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.6 5.7 8.5
68 4.9 4.0 6.0





#23

Nitrobenzene-d5

Concen: 11.293 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL

Tgt Ion:	82	Resp:	7739
Ion	Ratio	Lower	Upper
82	100		
128	49.8	36.3	54.5
54	47.2	39.0	58.6

Manual Integrations
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Reviewed By :Yogesh

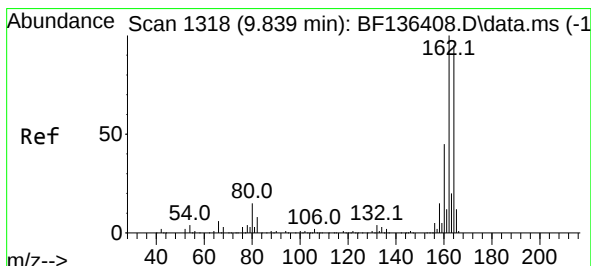
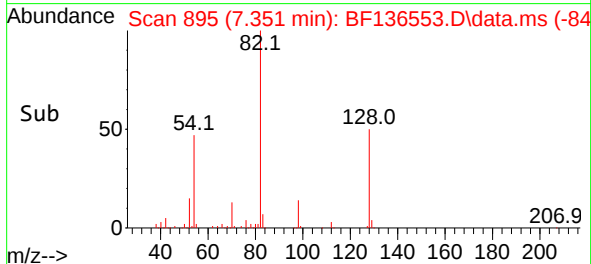
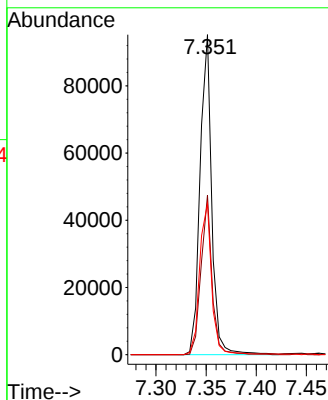
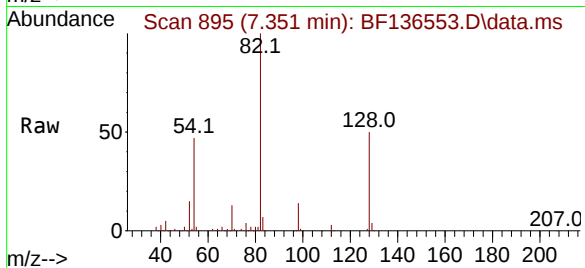
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Supervised By :mohammad

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#39

Acenaphthene-d10

Concen: 20.000 ng

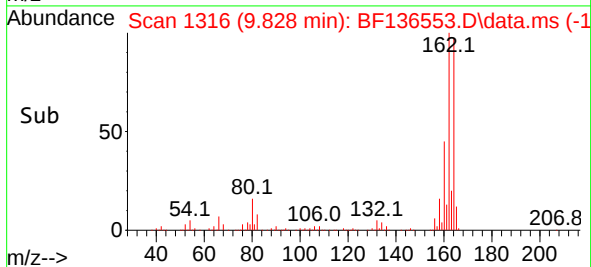
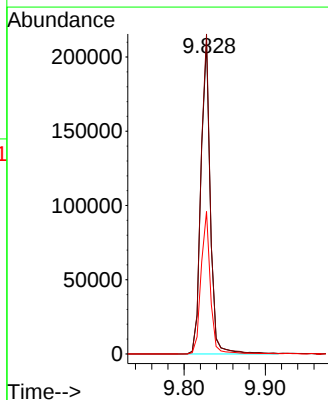
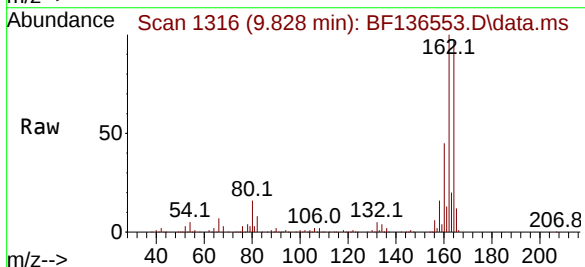
RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

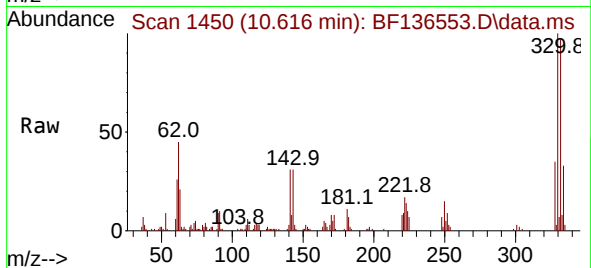
Tgt Ion:	164	Resp:	168999
Ion	Ratio	Lower	Upper
164	100		
162	102.6	84.4	126.6
160	45.7	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 12.954 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Instrument :
BNA_F
ClientSampleId :
RB21144DL

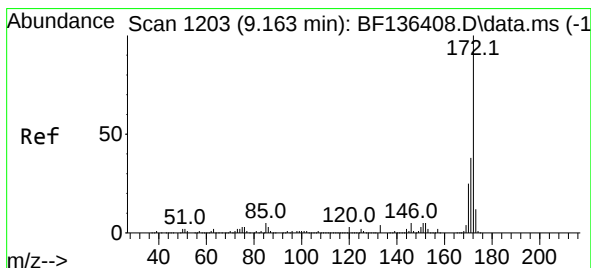
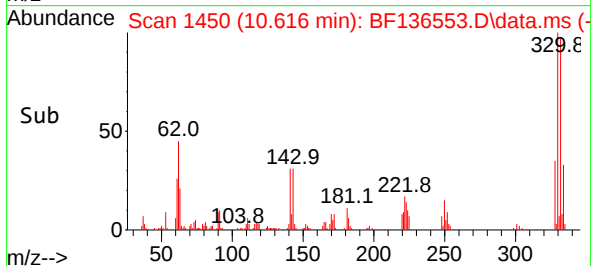
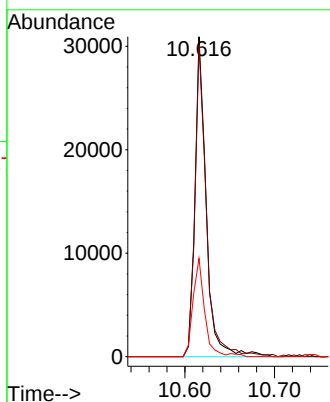


Tgt Ion: 330 Resp: 2699
Ion Ratio Lower Upper
330 100
332 98.8 76.4 114.6
141 32.0 23.4 35.2

Manual Integrations
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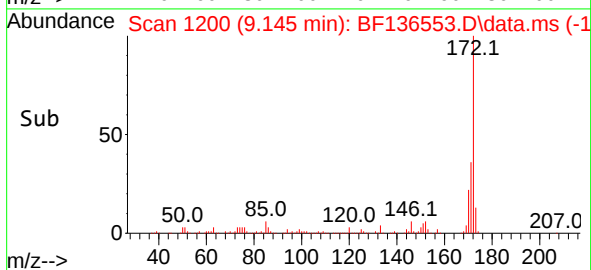
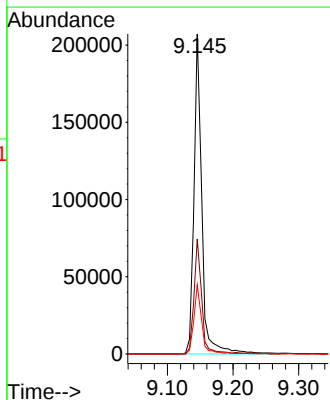
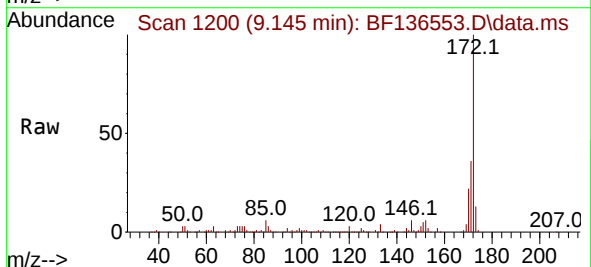
Reviewed By : Yogesh
Patel
12/14/2023

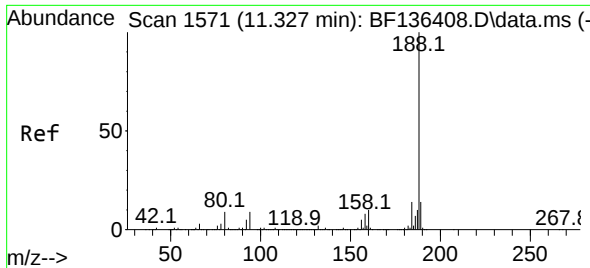
Supervised By : mohammad
ahmed
12/14/2023



#45
2-Fluorobiphenyl
Concen: 14.027 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

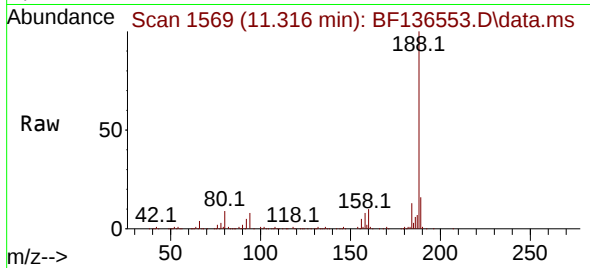
Tgt Ion: 172 Resp: 173731
Ion Ratio Lower Upper
172 100
171 36.0 30.5 45.7
170 21.6 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Instrument :
BNA_F
ClientSampleId :
RB21144DL

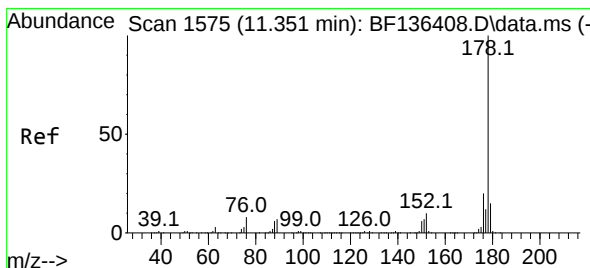
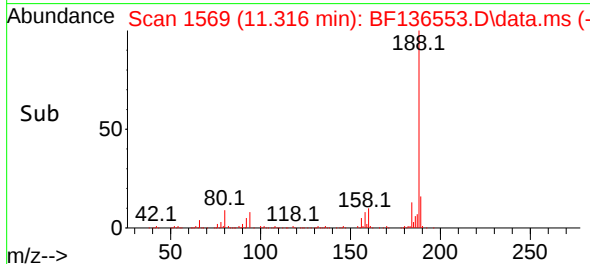
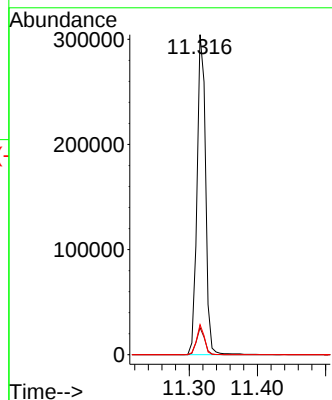


Tgt Ion:188 Resp: 26230
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.4 7.2 10.8

Manual Integrations
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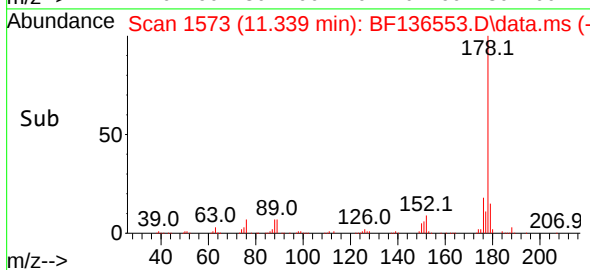
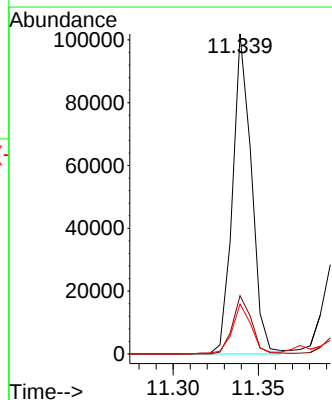
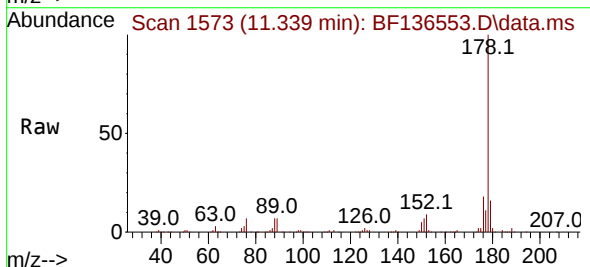
Reviewed By :Yogesh
Patel
12/14/2023

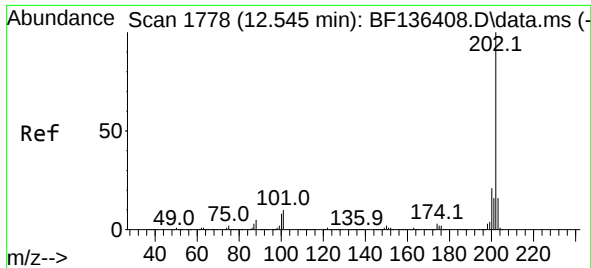
Supervised By :mohammad
ahmed
12/14/2023



#71
Phenanthrene
Concen: 5.451 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

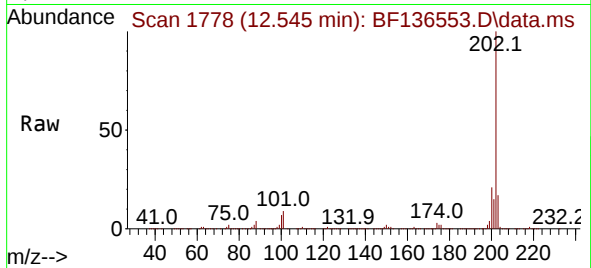
Tgt Ion:178 Resp: 78585
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.6 11.8 17.6





#75
Fluoranthene
Concen: 81.873 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Instrument :
BNA_F
ClientSampleId :
RB21144DL

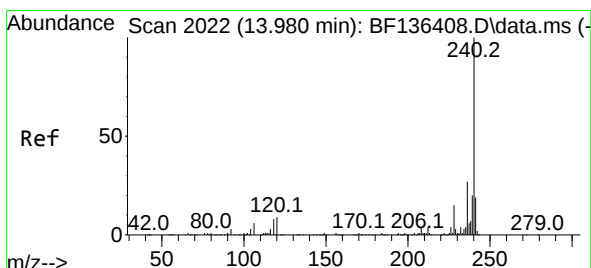
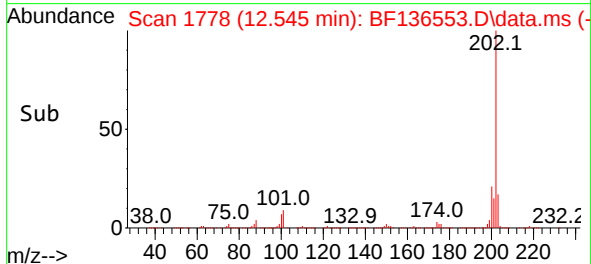
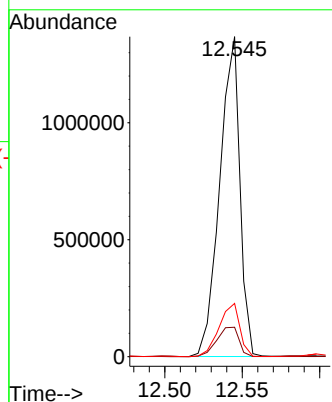


Tgt Ion:202 Resp: 1237000
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.9
203 16.7 0.0 36.3

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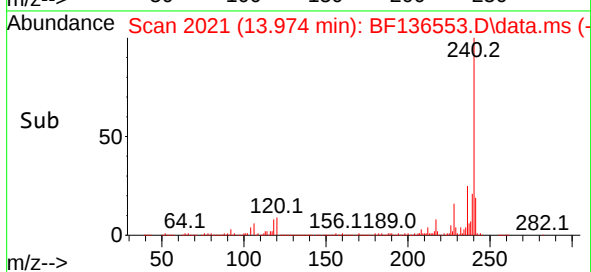
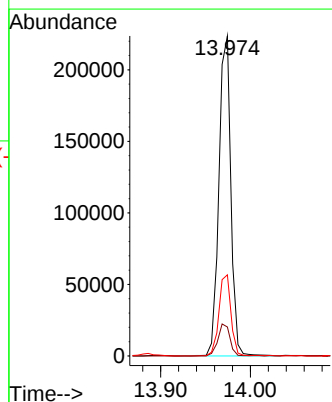
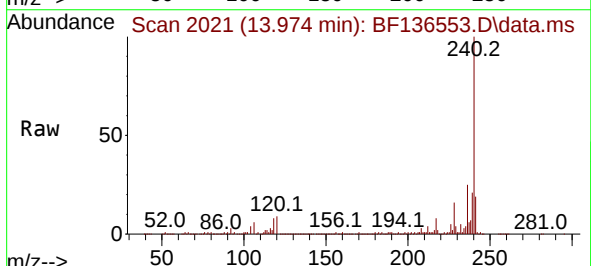
Reviewed By :Yogesh
Patel
12/14/2023

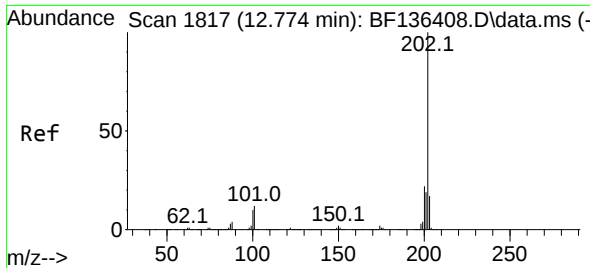
Supervised By :mohammad
ahmed
12/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

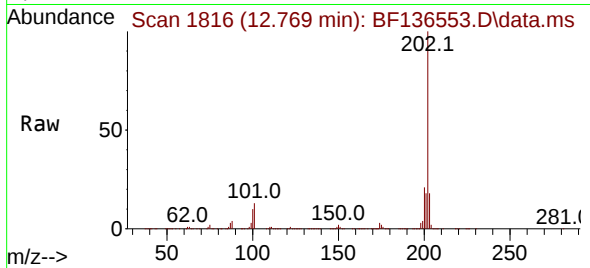
Tgt Ion:240 Resp: 206512
Ion Ratio Lower Upper
240 100
120 9.0 7.3 10.9
236 25.3 21.3 31.9





#78
Pyrene
Concen: 47.522 ng
RT: 12.769 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Instrument :
BNA_F
ClientSampleId :
RB21144DL

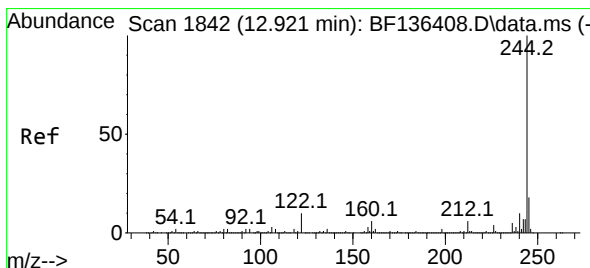
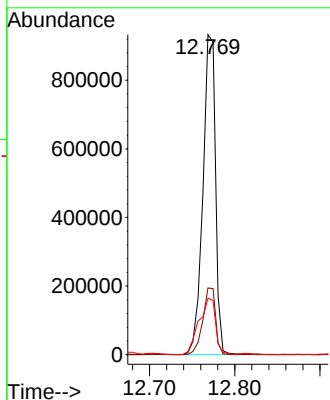


Tgt Ion:202 Resp: 961130
Ion Ratio Lower Upper
202 100
200 20.9 18.0 27.0
203 17.6 13.5 20.3

Manual Integrations
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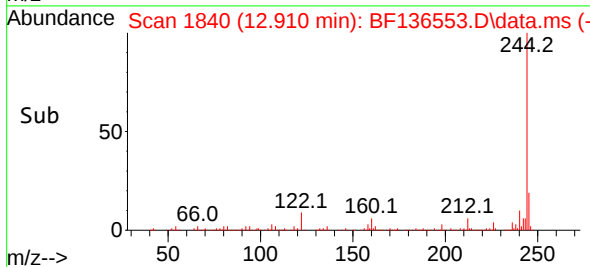
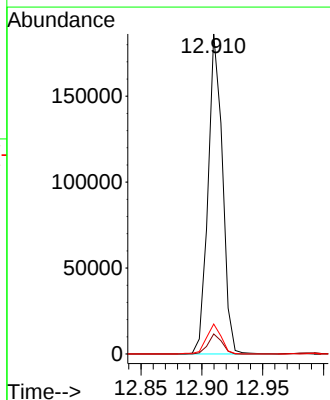
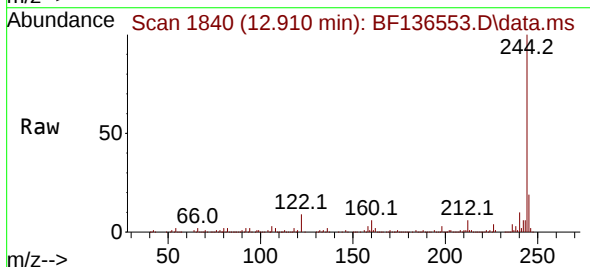
Reviewed By :Yogesh
Patel
12/14/2023

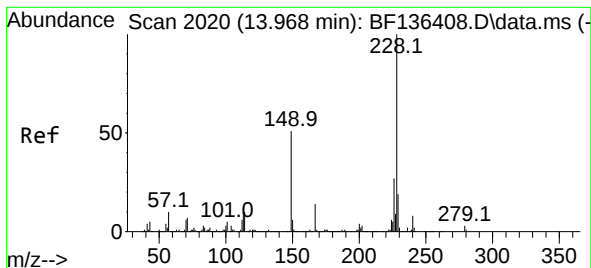
Supervised By :mohammad
ahmed
12/14/2023



#79
Terphenyl-d14
Concen: 9.754 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Tgt Ion:244 Resp: 152828
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 9.3 8.3 12.5





#81

Benzo(a)anthracene

Concen: 14.301 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL

Tgt Ion:228 Resp: 20572

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 20.8 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh

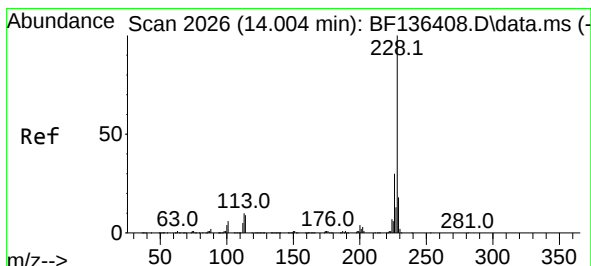
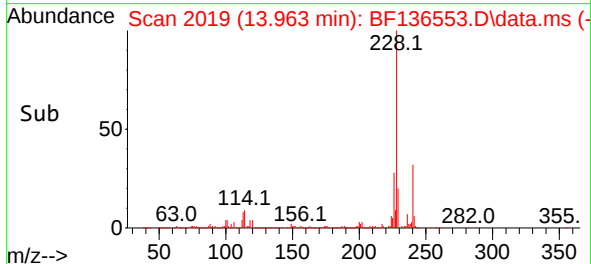
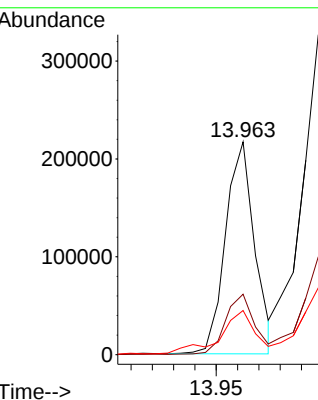
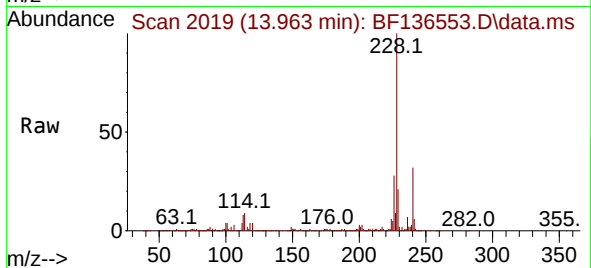
Patel

12/14/2023

Supervised By :mohammad

ahmed

12/14/2023



#83

Chrysene

Concen: 21.748 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

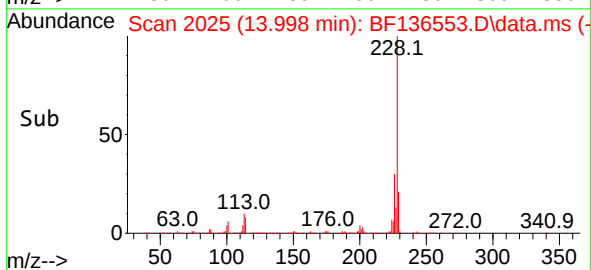
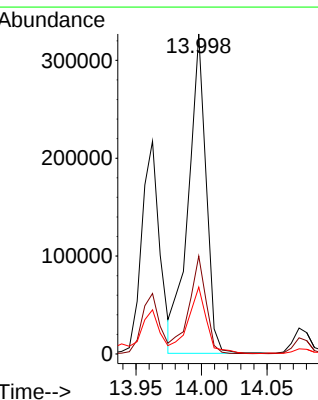
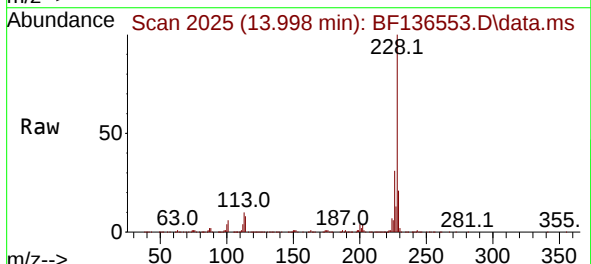
Tgt Ion:228 Resp: 307787

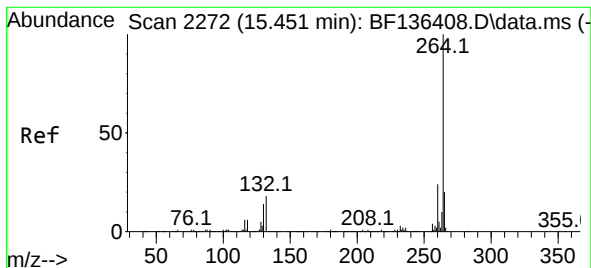
Ion Ratio Lower Upper

228 100

226 30.6 23.8 35.6

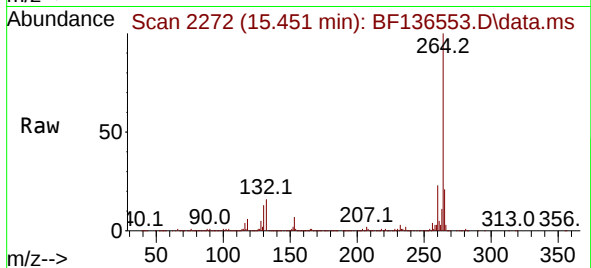
229 20.9 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26

Instrument :
BNA_F
ClientSampleId :
RB21144DL

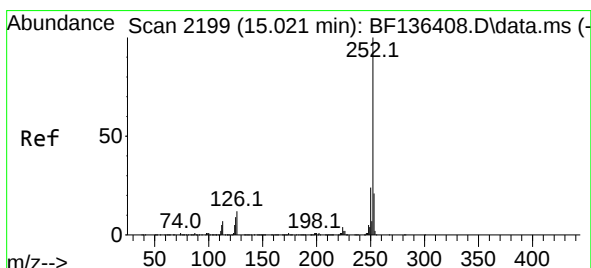
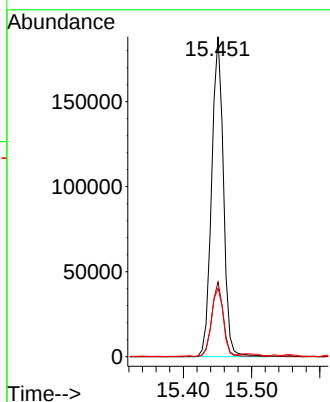
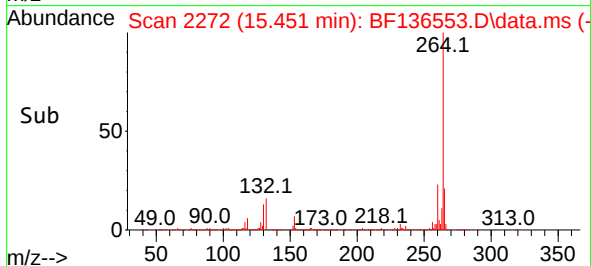


Tgt Ion:264 Resp: 226740
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.4 15.9 23.9

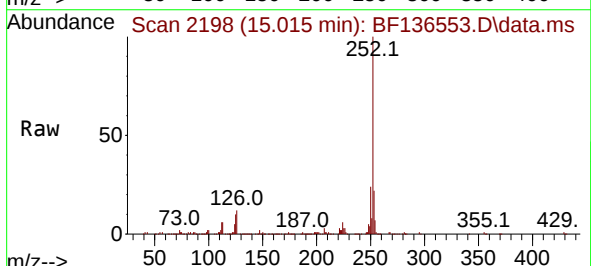
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
12/14/2023

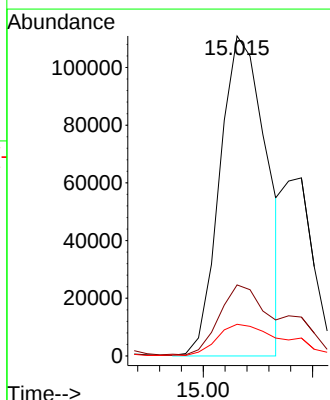
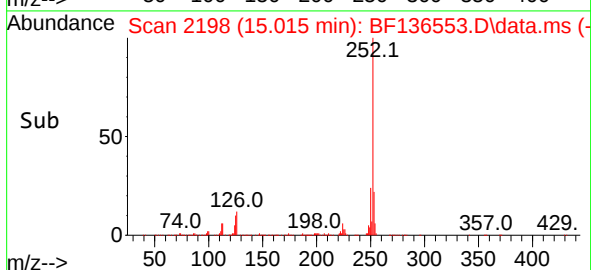
Supervised By :mohammad
ahmed
12/14/2023

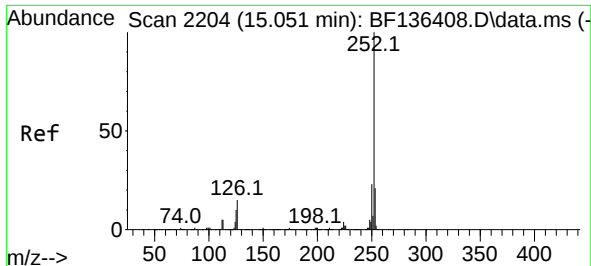


#88
Benzo(b)fluoranthene
Concen: 10.635 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136553.D
Acq: 13 Dec 2023 23:26



Tgt Ion:252 Resp: 164883
Ion Ratio Lower Upper
252 100
253 22.2 16.9 25.3
125 9.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 4.030 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Instrument :

BNA_F

ClientSampleId :

RB21144DL

Tgt Ion:252 Resp: 5888

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.9	25.3
125	10.1	7.5	11.3

Manual Integrations
APPROVED

Reviewed By :Yogesh

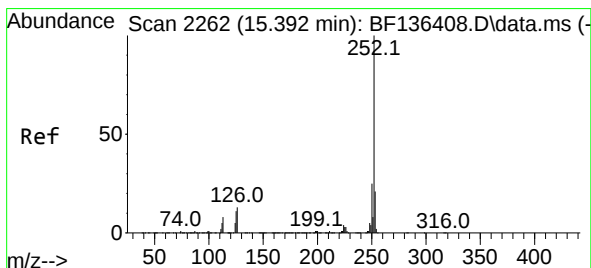
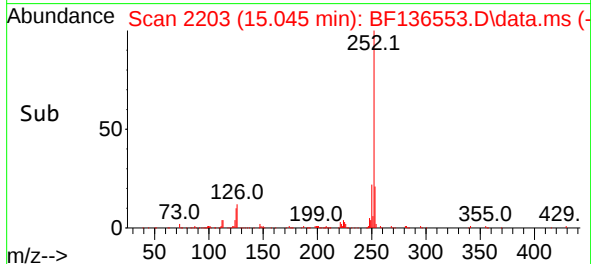
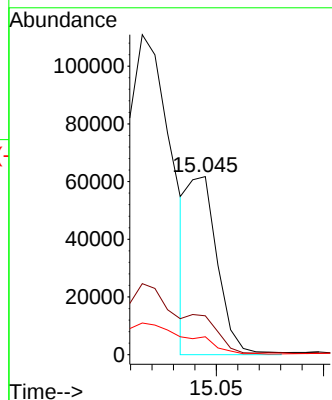
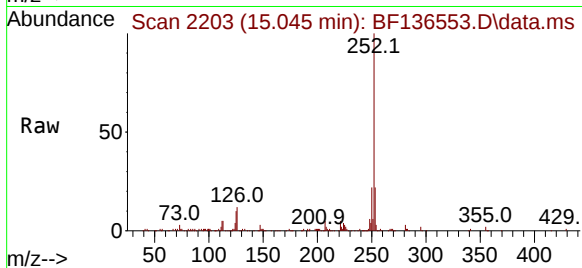
Patel

12/14/2023

Supervised By :mohammad

ahmed

12/14/2023



#90

Benzo(a)pyrene

Concen: 4.937 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF136553.D

Acq: 13 Dec 2023 23:26

Tgt Ion:252 Resp: 63213

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.4
125	8.7	8.6	13.0

