

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136436.D
 Acq On : 06 Dec 2023 19:20
 Operator : CG\JU
 Sample : 05446-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

Quant Time: Dec 07 00:54:48 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	72528	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	230228	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	104237	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	216109	20.000	ng	0.00
76) Chrysene-d12	13.974	240	149667	20.000	ng	0.00
86) Perylene-d12	15.457	264	123128	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	460318	93.731	ng	0.00
7) Phenol-d6	6.434	99	521766	85.154	ng	-0.01
23) Nitrobenzene-d5	7.357	82	286258	67.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	125413	97.579	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	496712	65.021	ng	-0.01
79) Terphenyl-d14	12.921	244	710310	62.554	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	144723	12.184	ng	99
72) Anthracene	11.398	178	31370	2.622	ng	96
75) Fluoranthene	12.539	202	214146	17.203	ng	98
78) Pyrene	12.768	202	191319	13.052	ng	97
81) Benzo(a)anthracene	13.963	228	77029	7.389	ng	98
83) Chrysene	13.998	228	66322m	6.466	ng	
87) Indeno(1,2,3-cd)pyrene	16.951	276	23529	2.751	ng	96
88) Benzo(b)fluoranthene	15.021	252	66187m	7.862	ng	
89) Benzo(k)fluoranthene	15.045	252	20842m	2.627	ng	
90) Benzo(a)pyrene	15.386	252	43930	6.319	ng	# 93
92) Benzo(g,h,i)perylene	17.403	276	25343	3.523	ng	93

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

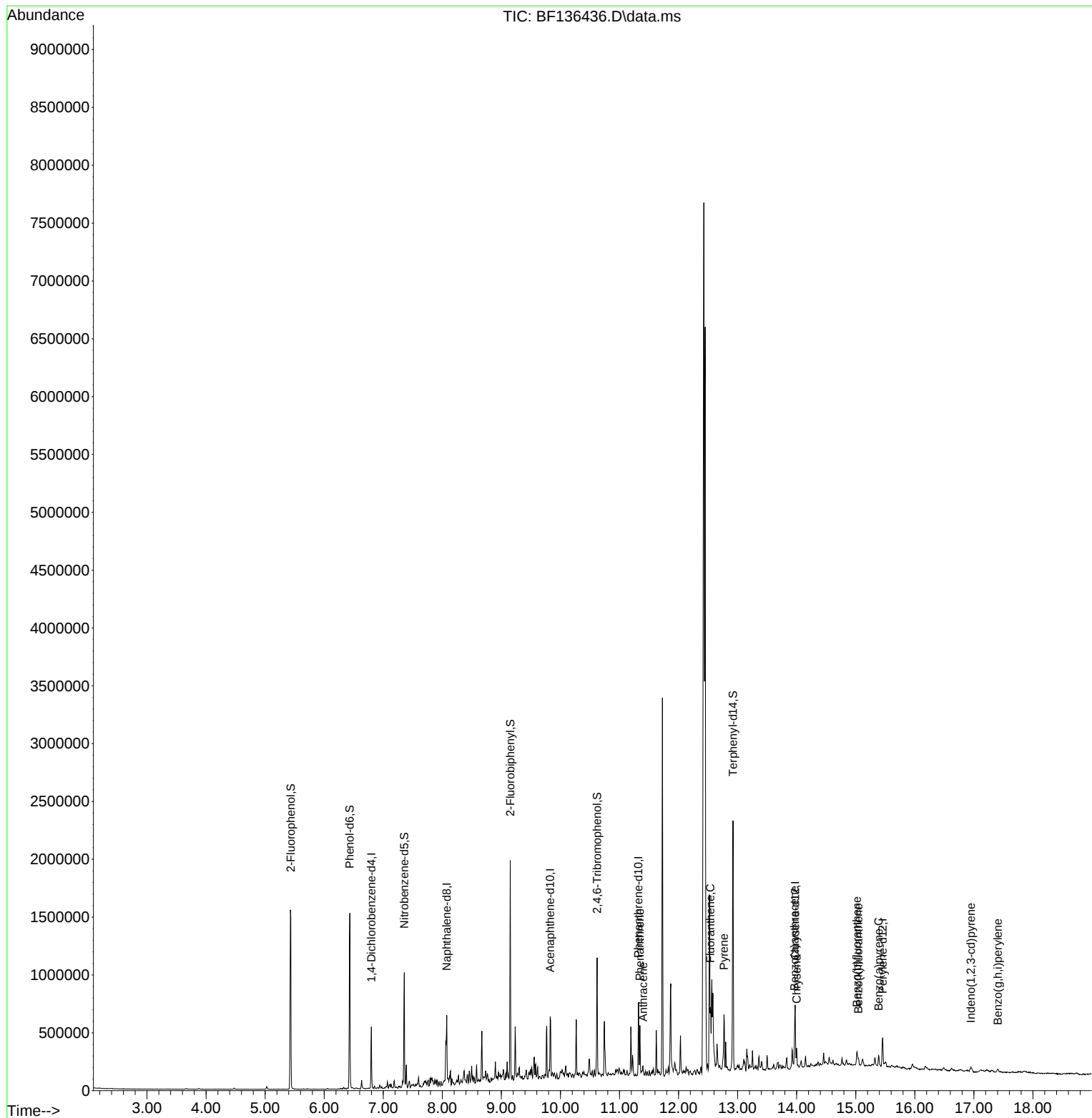
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
Data File : BF136436.D
Acq On : 06 Dec 2023 19:20
Operator : CG\JU
Sample : 05446-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

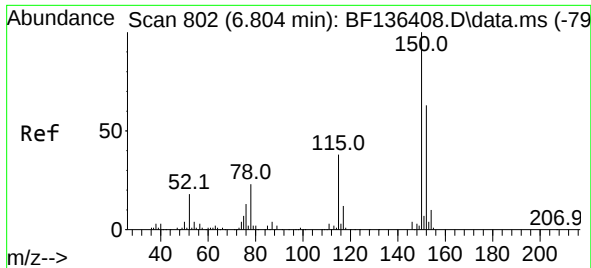
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A

Quant Time: Dec 07 00:54:48 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

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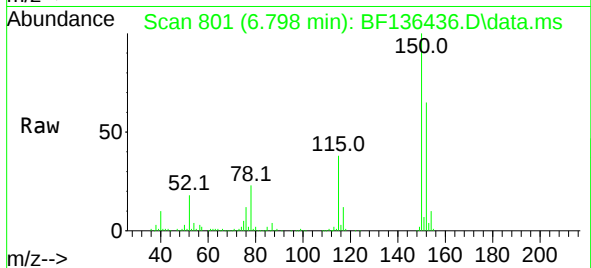
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A



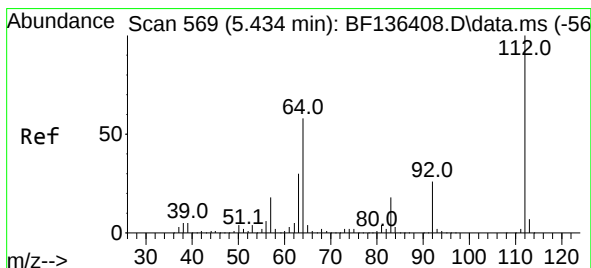
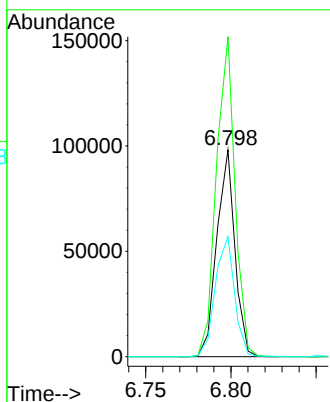
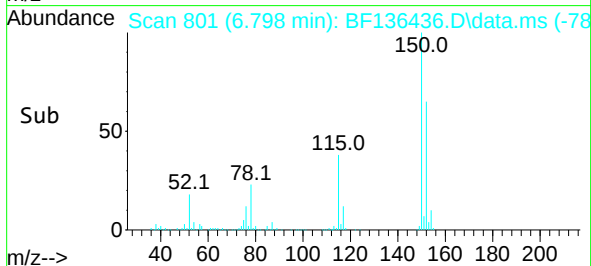
Tgt Ion:152 Resp: 72528
Ion Ratio Lower Upper
152 100
150 154.8 126.4 189.6
115 58.2 48.2 72.4

Manual Integrations

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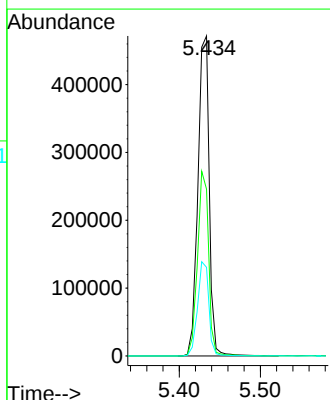
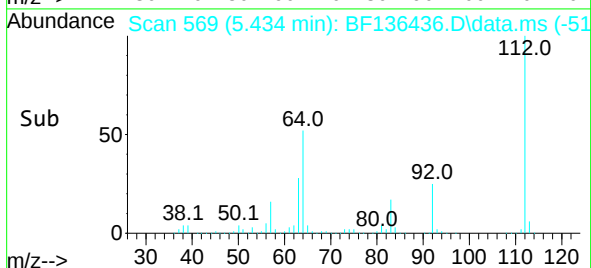
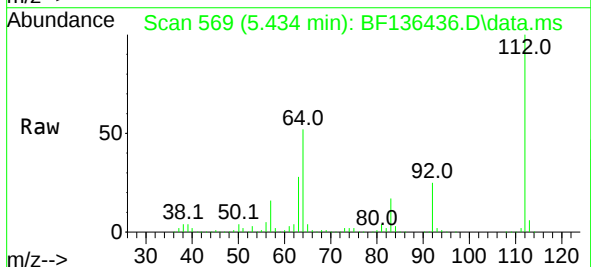
Reviewed By :Yogesh Patel 12/07/2023

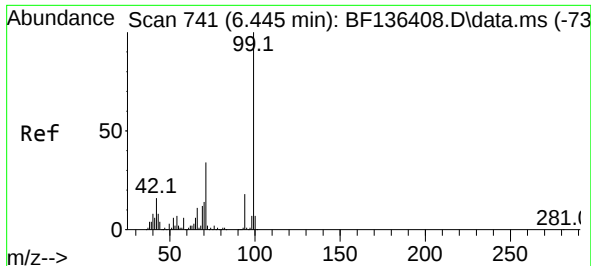
Supervised By :mohammad ahmed 12/07/2023



#5
2-Fluorophenol
Concen: 93.731 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

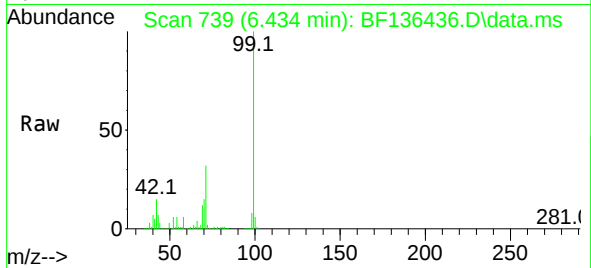
Tgt Ion:112 Resp: 460318
Ion Ratio Lower Upper
112 100
64 52.2 46.5 69.7
63 27.7 23.9 35.9





#7
Phenol-d6
Concen: 85.154 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

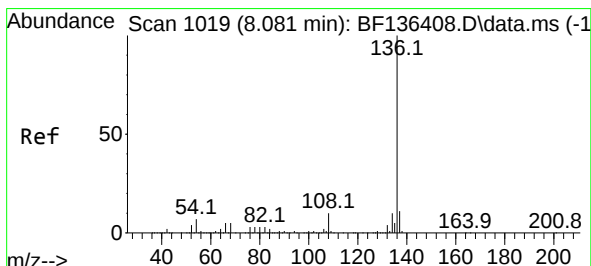
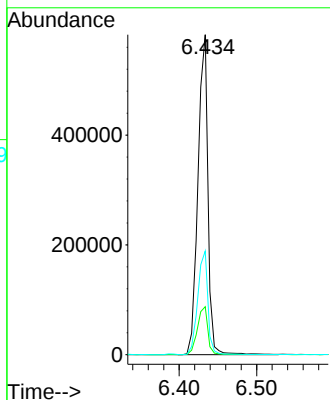
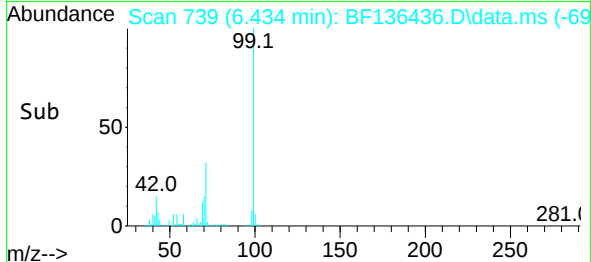
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A



Tgt Ion: 99 Resp: 521760
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 32.4 27.0 40.4

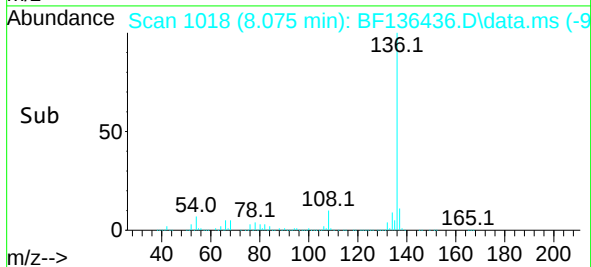
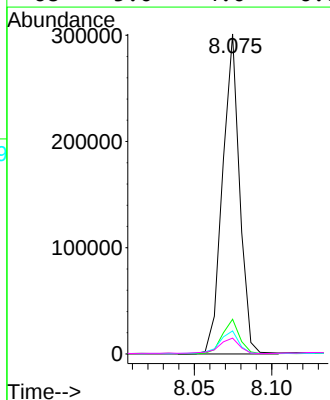
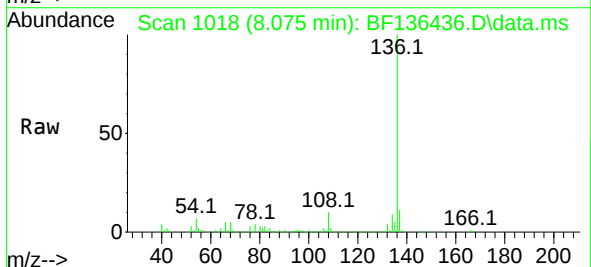
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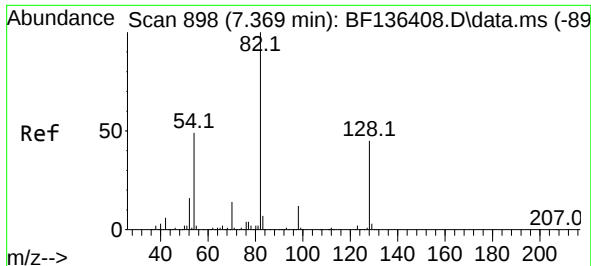
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

Tgt Ion:136 Resp: 230228
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.2 5.7 8.5
68 5.0 4.0 6.0





#23

Nitrobenzene-d5

Concen: 67.217 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

Tgt Ion: 82 Resp: 286258

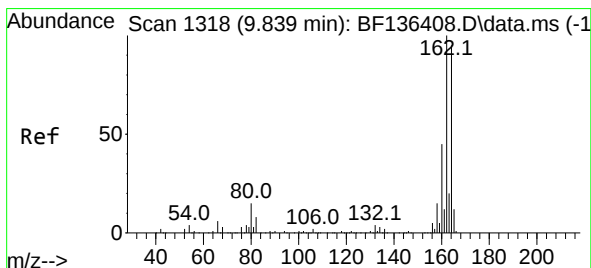
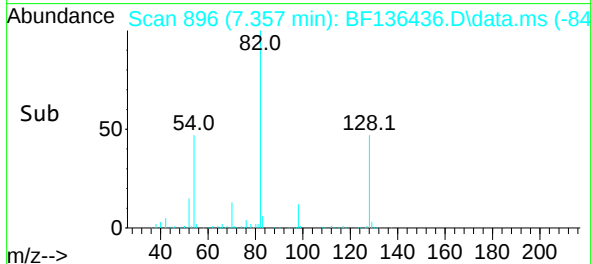
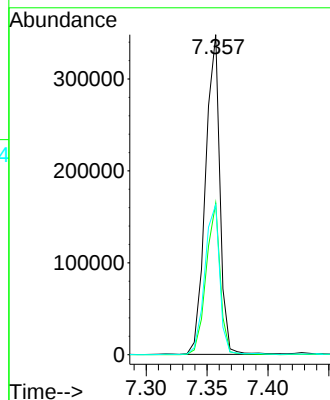
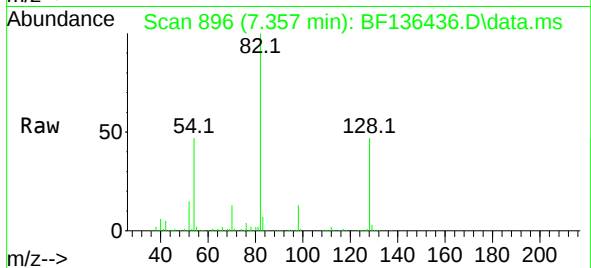
Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.3	54.5
54	46.8	39.0	58.6

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Supervised By :mohammad ahmed 12/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

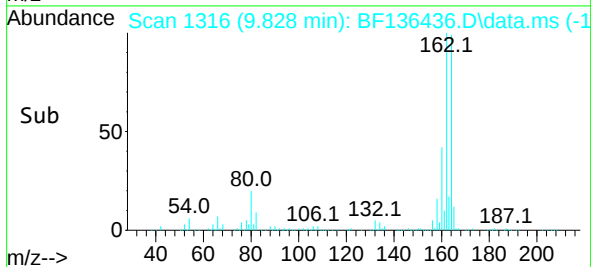
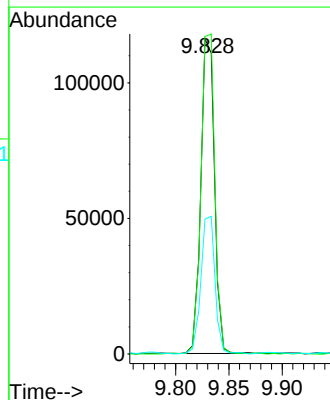
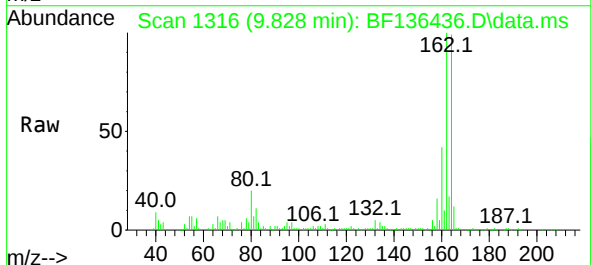
Delta R.T. -0.012 min

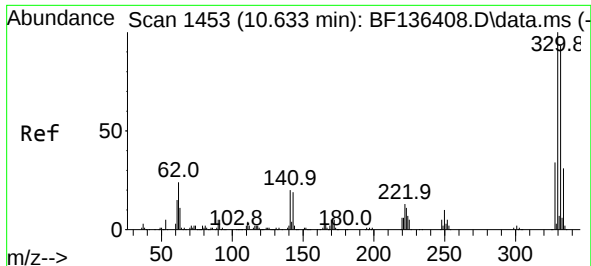
Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Tgt Ion:164 Resp: 104237

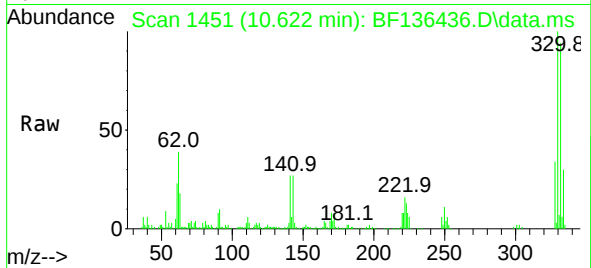
Ion	Ratio	Lower	Upper
164	100		
162	100.7	84.4	126.6
160	42.8	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 97.579 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

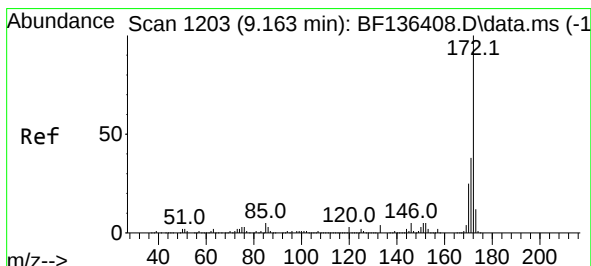
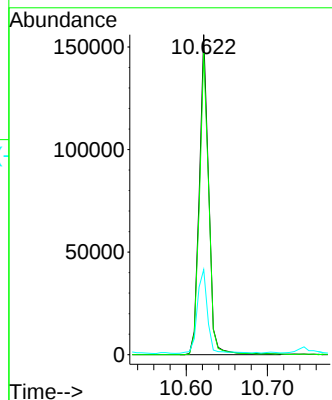
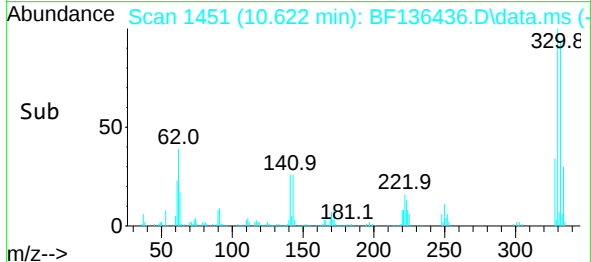
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A



Tgt Ion: 330 Resp: 125411
Ion Ratio Lower Upper
330 100
332 94.2 76.4 114.6
141 28.6 23.4 35.2

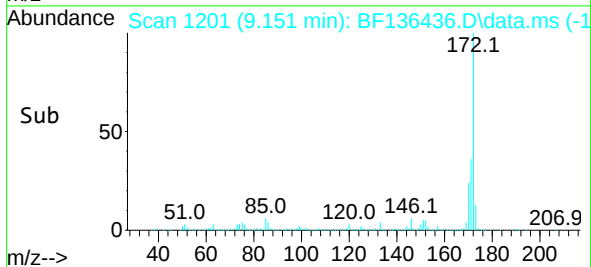
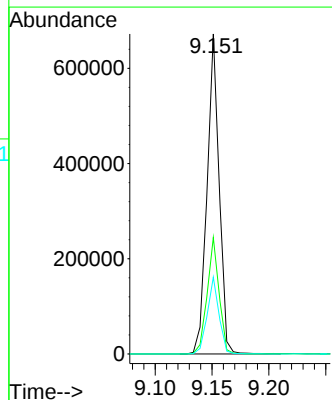
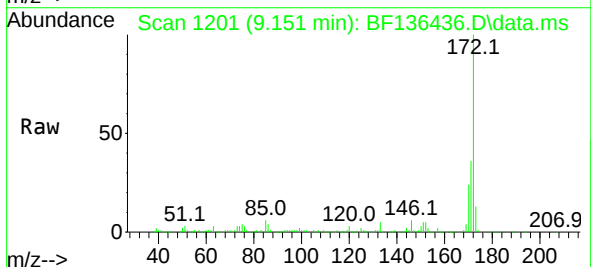
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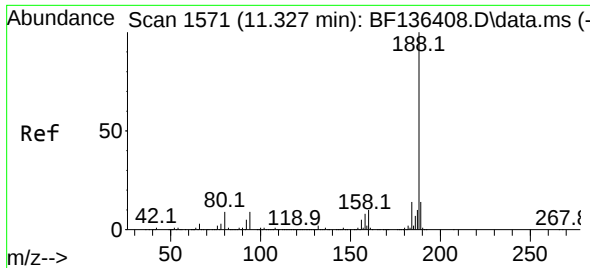
Reviewed By : Yogesh Patel 12/07/2023
Supervised By : mohammad ahmed 12/07/2023



#45
2-Fluorobiphenyl
Concen: 65.021 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

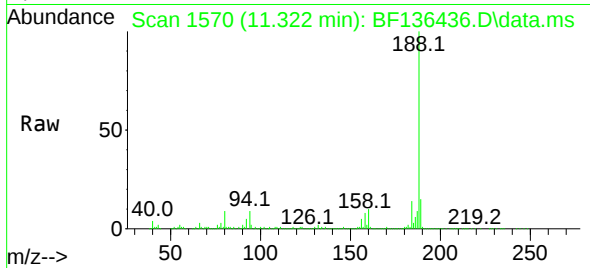
Tgt Ion: 172 Resp: 496712
Ion Ratio Lower Upper
172 100
171 36.4 30.5 45.7
170 24.0 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20

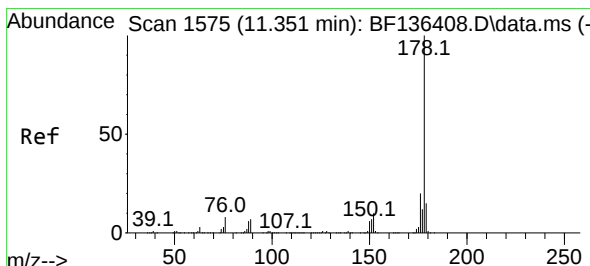
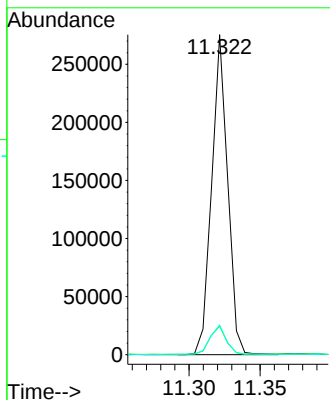
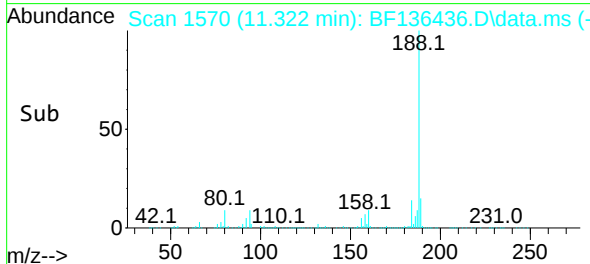
Instrument :
BNA_F
ClientSampleId :
JC-03-111523A



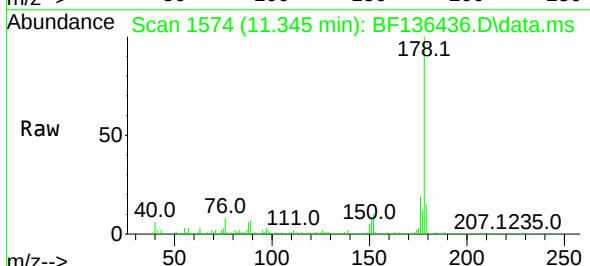
Tgt Ion:188 Resp: 216109
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.2 7.2 10.8

Manual Integrations
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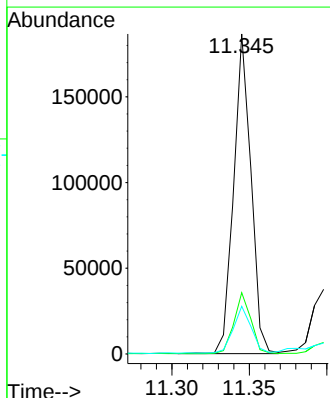
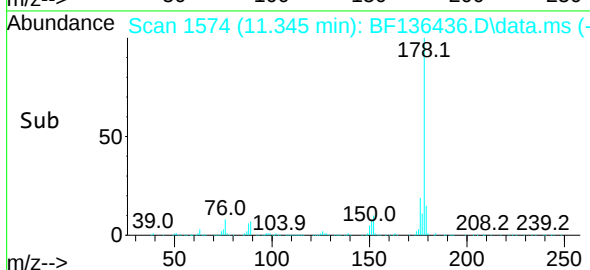
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

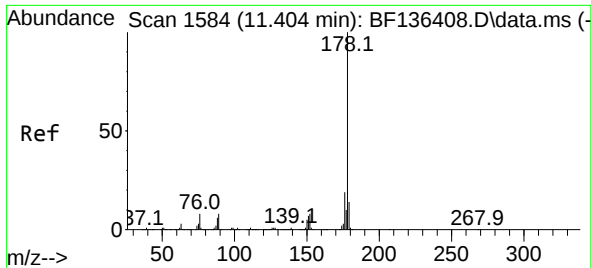


#71
Phenanthrene
Concen: 12.184 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136436.D
Acq: 06 Dec 2023 19:20



Tgt Ion:178 Resp: 144723
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 14.9 11.8 17.6





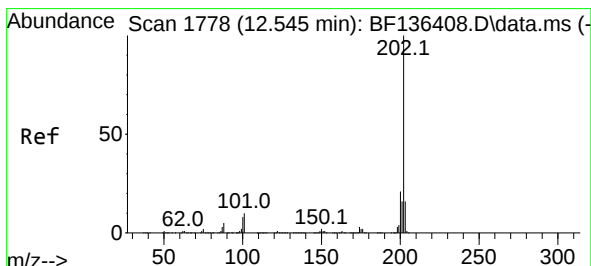
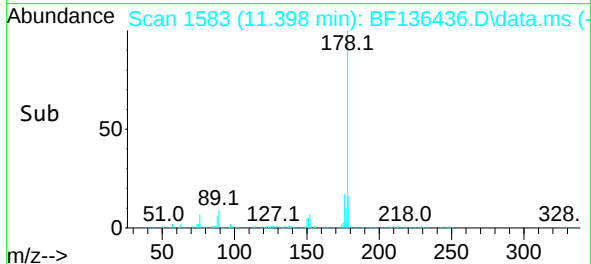
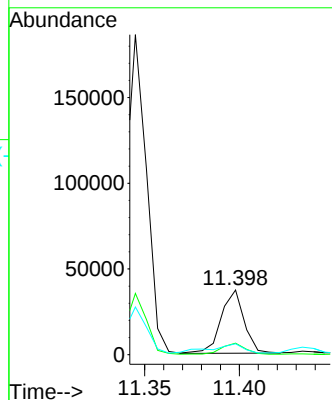
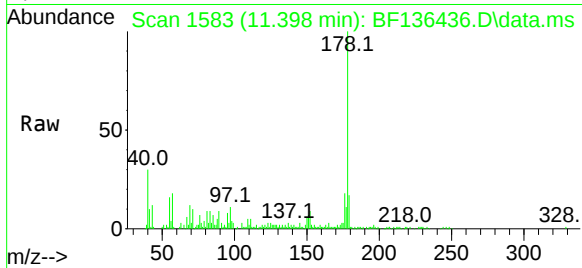
#72
 Anthracene
 Concen: 2.622 ng
 RT: 11.398 min Scan# 11370
 Delta R.T. -0.006 min
 Lab File: BF136436.D
 Acq: 06 Dec 2023 19:20

Instrument :
 BNA_F
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 JC-03-111523A

Tgt Ion:178 Resp: 31370
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.3 22.9
 179 16.8 11.4 17.0

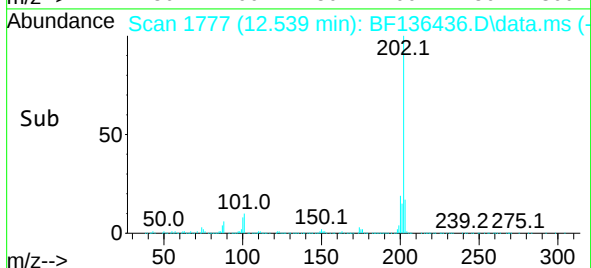
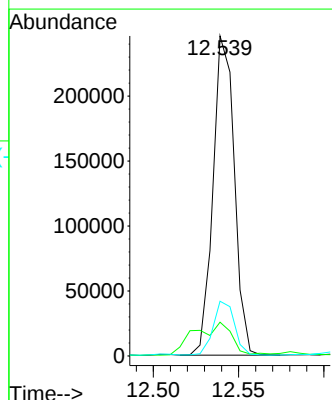
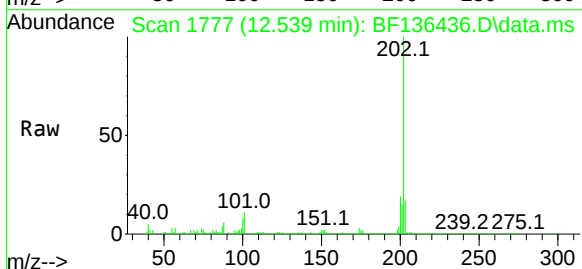
Manual Integrations
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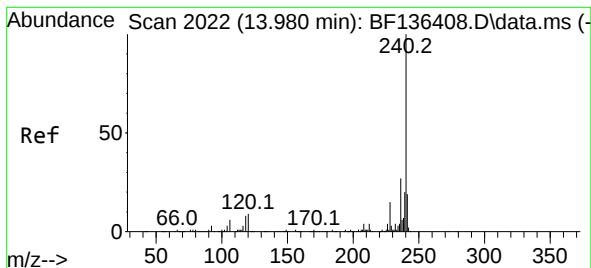
Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023



#75
 Fluoranthene
 Concen: 17.203 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF136436.D
 Acq: 06 Dec 2023 19:20

Tgt Ion:202 Resp: 214146
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 29.9
 203 17.1 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

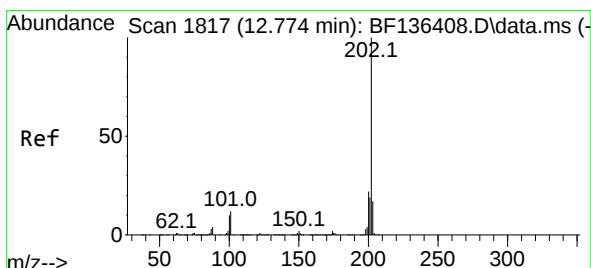
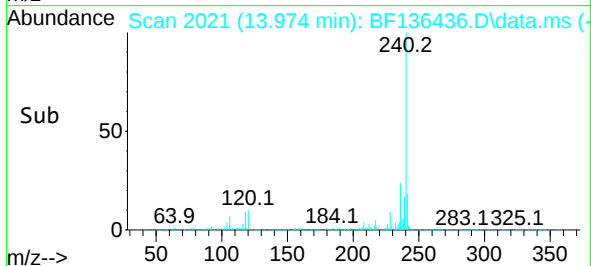
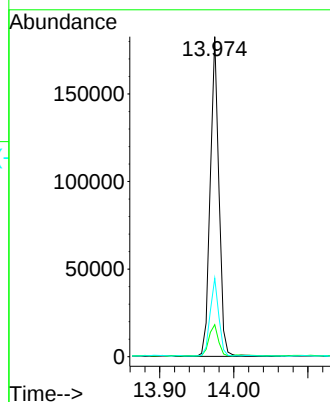
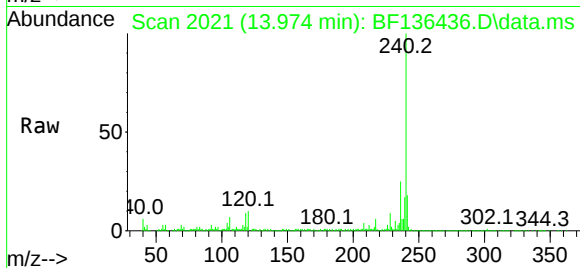
Tgt Ion:240	Resp: 14966
Ion Ratio	Lower Upper
240 100	
120 10.0	7.3 10.9
236 24.5	21.3 31.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#78

Pyrene

Concen: 13.052 ng

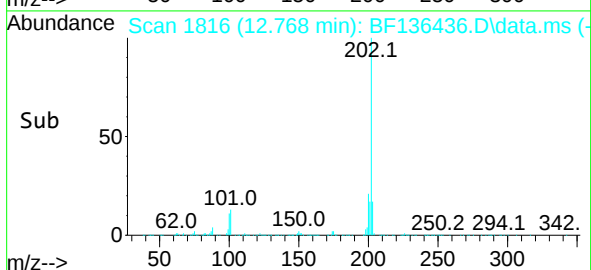
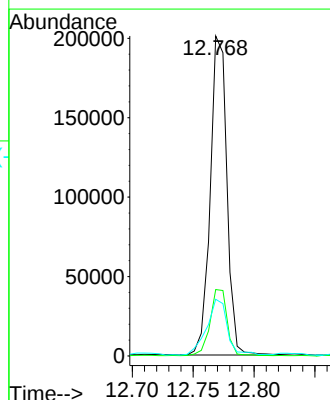
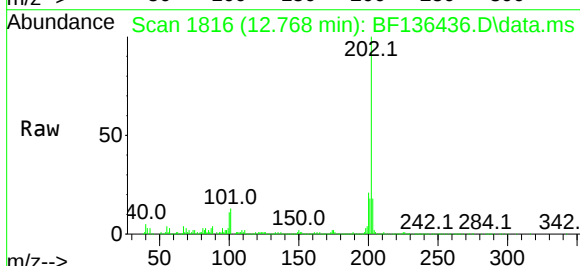
RT: 12.768 min Scan# 1816

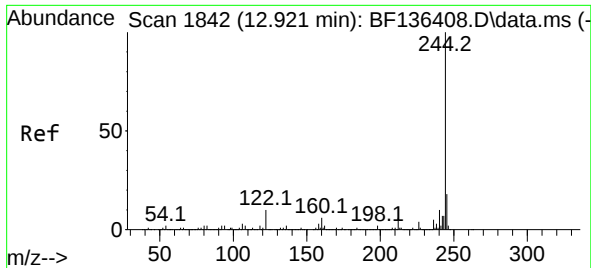
Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

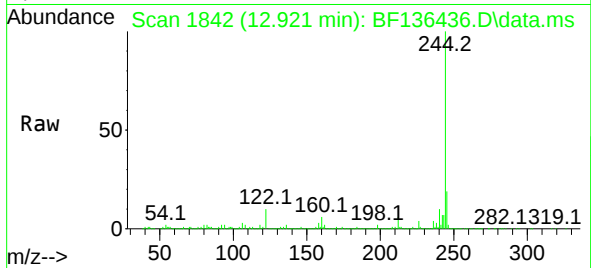
Tgt Ion:202	Resp: 191319
Ion Ratio	Lower Upper
202 100	
200 20.7	18.0 27.0
203 17.7	13.5 20.3





#79
 Terphenyl-d14
 Concen: 62.554 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF136436.D
 Acq: 06 Dec 2023 19:20

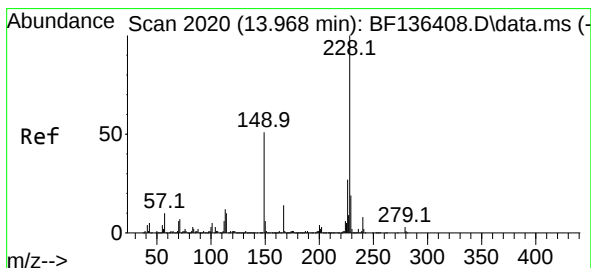
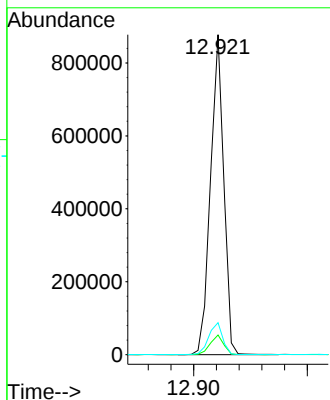
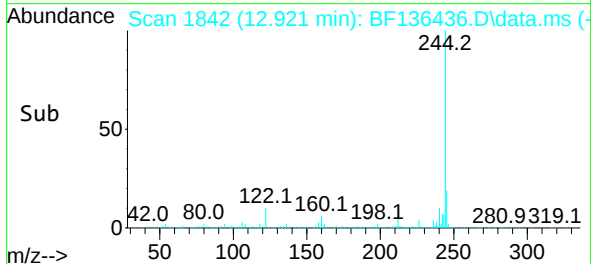
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A



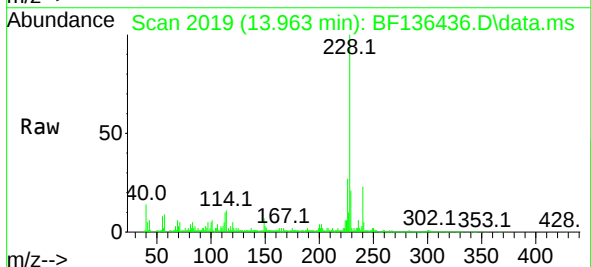
Tgt Ion:244 Resp: 710310
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.0 8.3 12.5

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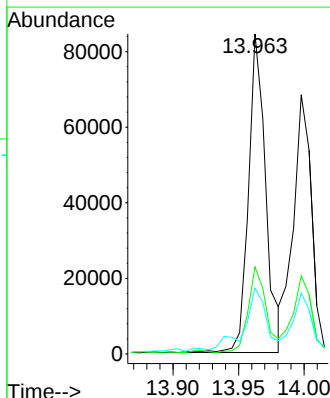
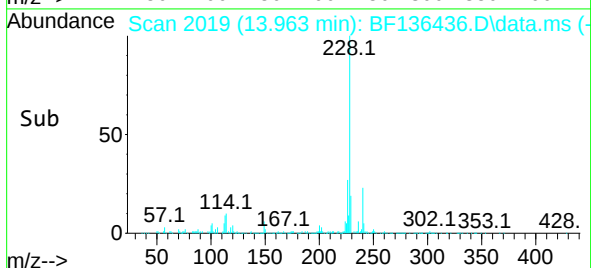
Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

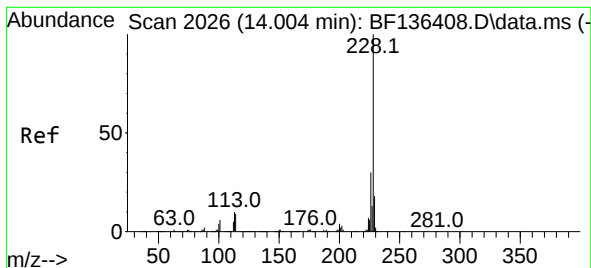


#81
 Benzo(a)anthracene
 Concen: 7.389 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136436.D
 Acq: 06 Dec 2023 19:20



Tgt Ion:228 Resp: 77029
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.8 32.8
 229 20.6 15.0 22.4





#83

Chrysene

Concen: 6.466 ng m

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

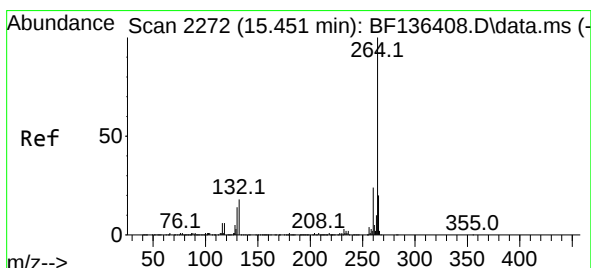
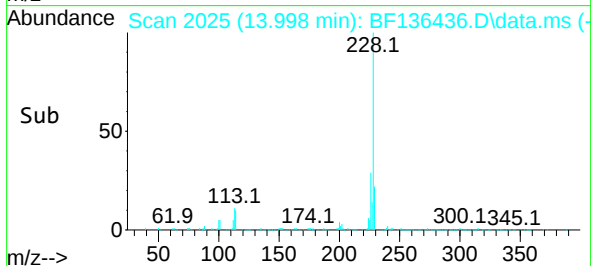
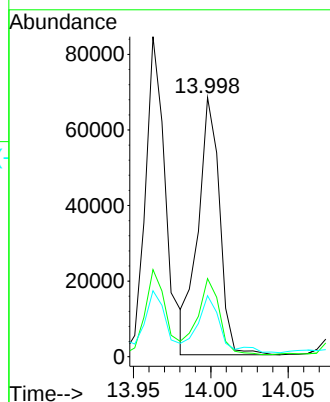
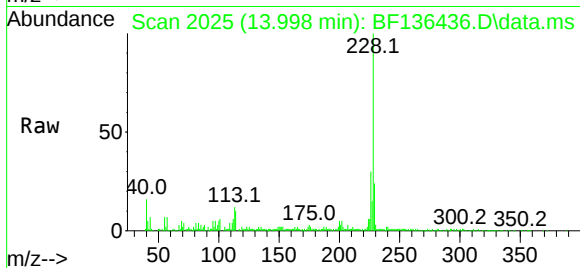
Tgt Ion:228	Resp: 6632
Ion Ratio	Lower Upper
228 100	
226 30.1	23.8 35.6
229 23.5	14.8 22.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#86

Perylene-d12

Concen: 20.000 ng

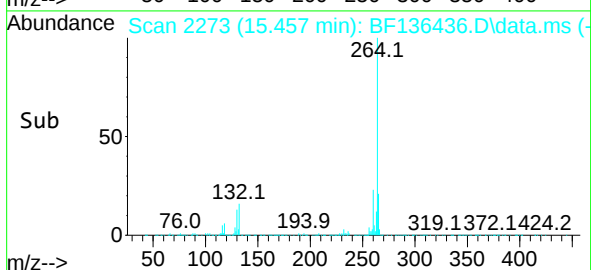
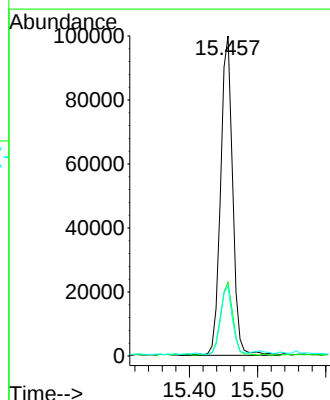
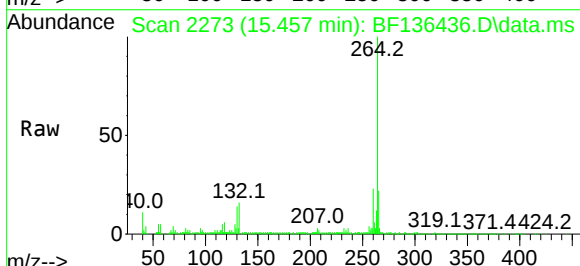
RT: 15.457 min Scan# 2273

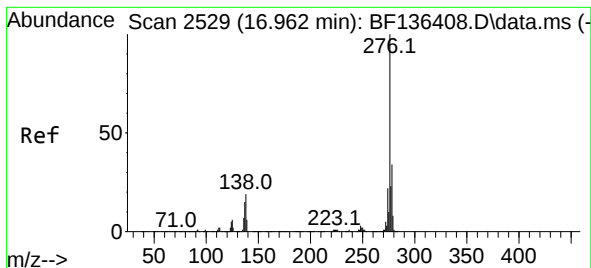
Delta R.T. 0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Tgt Ion:264	Resp: 123128
Ion Ratio	Lower Upper
264 100	
260 22.9	19.2 28.8
265 21.7	15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.751 ng

RT: 16.951 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

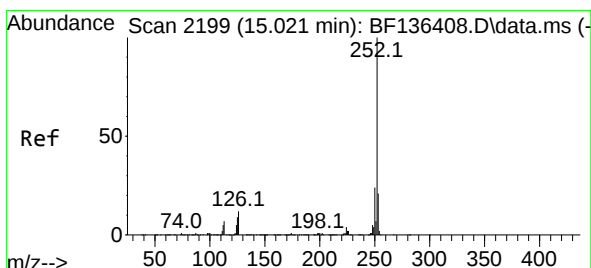
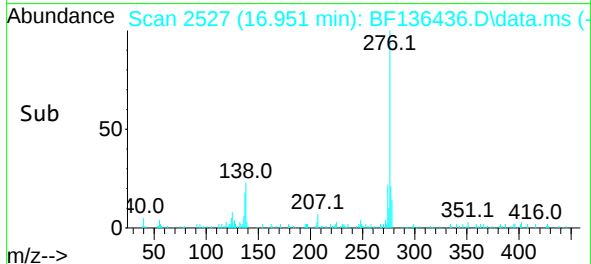
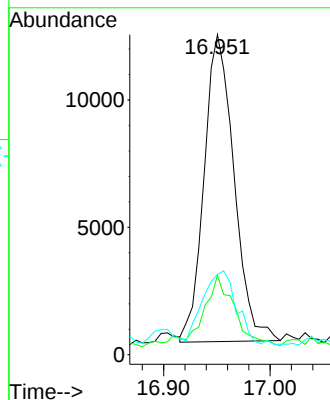
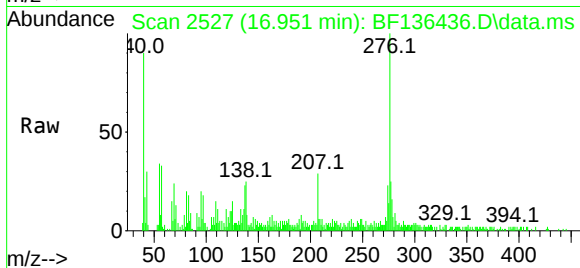
Tgt Ion:	276	Resp:	23529
Ion Ratio	Lower	Upper	
276	100		
138	25.7	19.0	28.4
277	26.5	20.0	30.0

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#88

Benzo(b)fluoranthene

Concen: 7.862 ng m

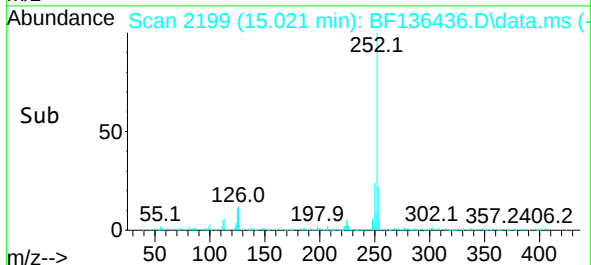
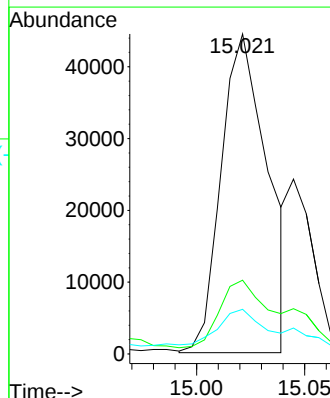
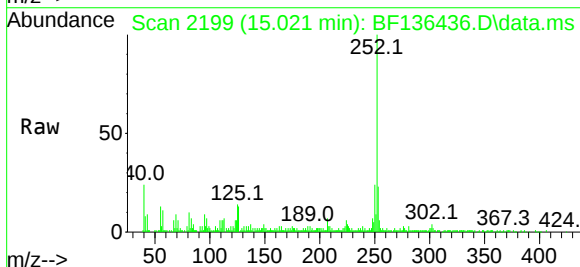
RT: 15.021 min Scan# 2199

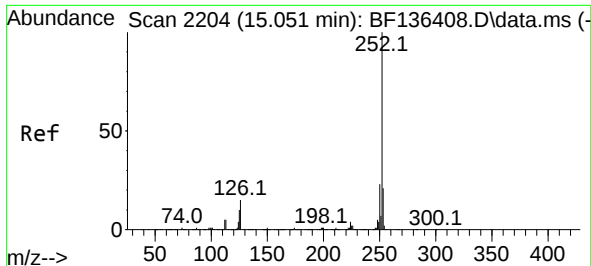
Delta R.T. -0.000 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Tgt Ion:	252	Resp:	66187
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.9	25.3
125	13.9	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 2.627 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Instrument :

BNA_F

ClientSampleId :

JC-03-111523A

Tgt Ion:252 Resp: 2084

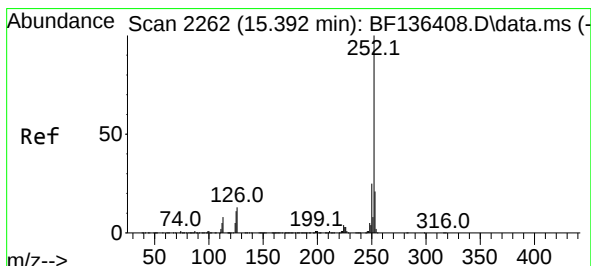
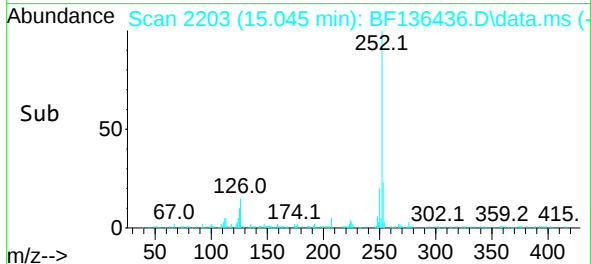
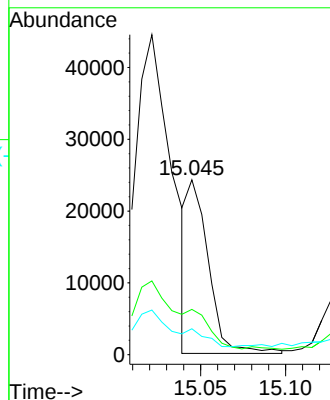
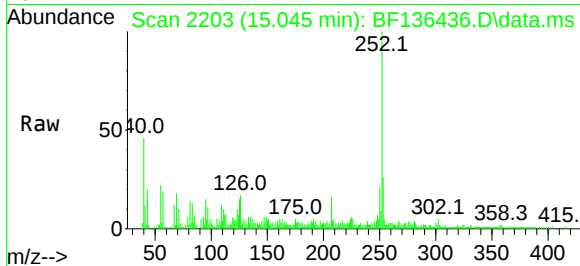
Ion	Ratio	Lower	Upper
252	100		
253	25.9	16.9	25.3
125	14.9	7.5	11.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/07/2023



#90

Benzo(a)pyrene

Concen: 6.319 ng

RT: 15.386 min Scan# 2261

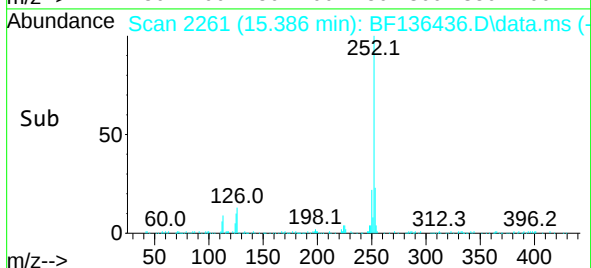
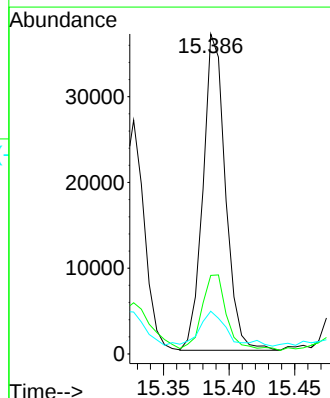
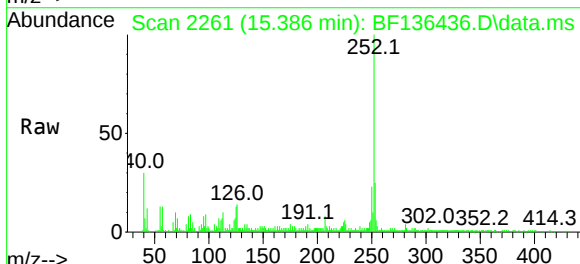
Delta R.T. -0.006 min

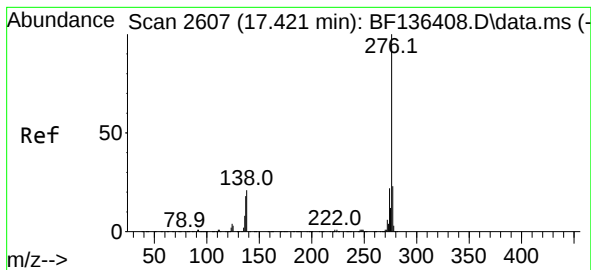
Lab File: BF136436.D

Acq: 06 Dec 2023 19:20

Tgt Ion:252 Resp: 43930

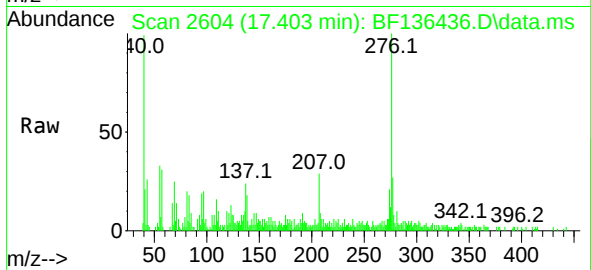
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.4
125	13.3	8.6	13.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.523 ng
 RT: 17.403 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136436.D
 Acq: 06 Dec 2023 19:20

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-111523A



Tgt Ion:	276	Resp:	2534
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.7	28.1
138	17.7	16.6	25.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

