

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136381.D
 Acq On : 04 Dec 2023 14:46
 Operator : CG\JU
 Sample : 05576-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112923

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 04 15:05:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	116473	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	457687	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	209962	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	324790	20.000	ng	0.00
76) Chrysene-d12	13.980	240	253835	20.000	ng	0.00
86) Perylene-d12	15.463	264	227798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	860079	102.779	ng	0.00
7) Phenol-d6	6.440	99	1059418	101.250	ng	0.00
23) Nitrobenzene-d5	7.363	82	639533	73.839	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	241685	94.152	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1280037	77.871	ng	0.00
79) Terphenyl-d14	12.922	244	1169980	53.167	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	209793	11.493	ng	96
72) Anthracene	11.398	178	45247	2.472	ng	98
75) Fluoranthene	12.545	202	297007	16.027	ng	93
78) Pyrene	12.774	202	251033	9.030	ng	# 94
81) Benzo(a)anthracene	13.969	228	135217	7.172	ng	98
83) Chrysene	14.004	228	139164m	7.645	ng	
87) Indeno(1,2,3-cd)pyrene	16.962	276	55478	5.755	ng	96
88) Benzo(b)fluoranthene	15.027	252	191241m	11.966	ng	
89) Benzo(k)fluoranthene	15.051	252	47670m	3.141	ng	
90) Benzo(a)pyrene	15.398	252	100902	7.723	ng	# 90
91) Dibenzo(a,h)anthracene	16.980	278	15146	3.759	ng	# 73
92) Benzo(g,h,i)perylene	17.421	276	51406	5.501	ng	100

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

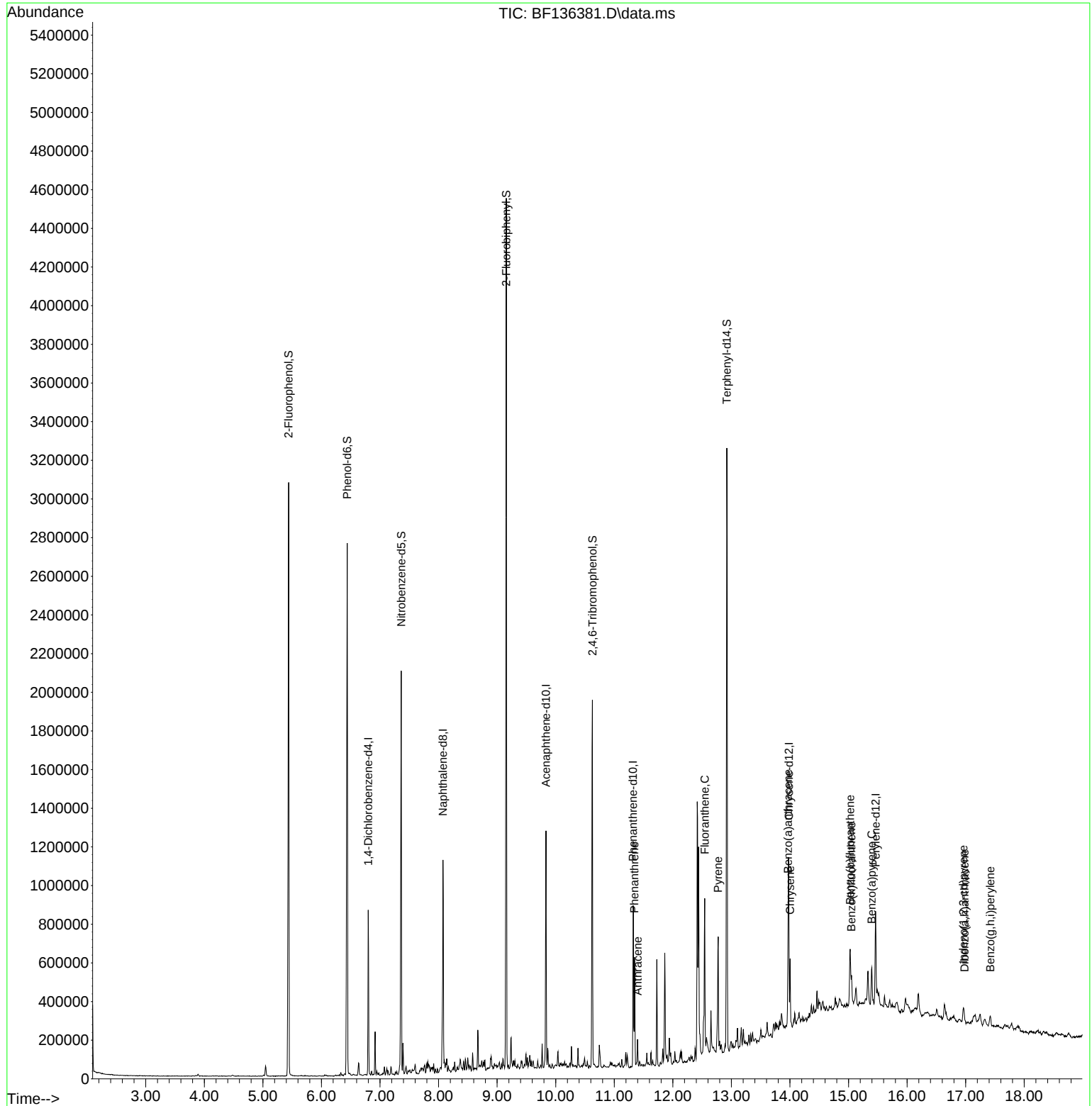
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136381.D
Acq On : 04 Dec 2023 14:46
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ALS Vial : 8 Sample Multiplier: 1

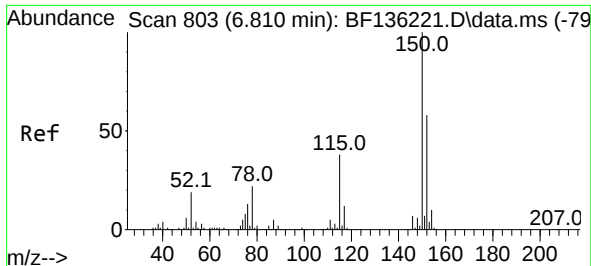
Instrument :
BNA_F
ClientSampleId :
TR-04-112923

Quant Time: Dec 04 15:05:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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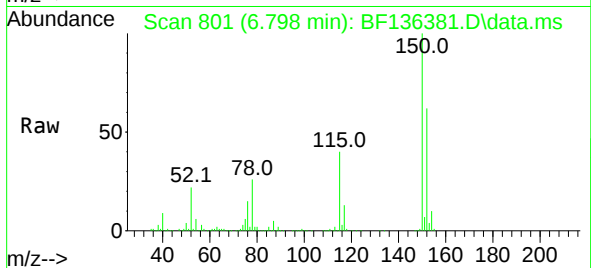
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

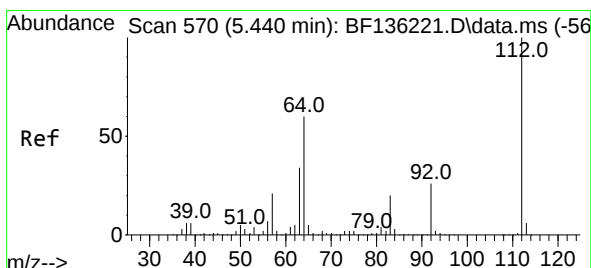
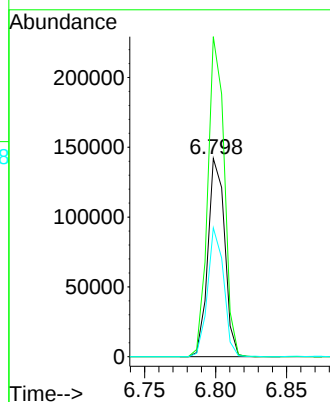
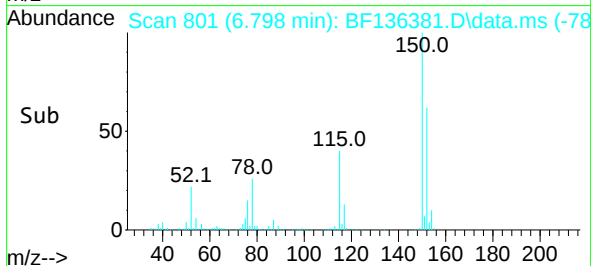


Tgt Ion:152 Resp: 11647
Ion Ratio Lower Upper
152 100
150 161.4 137.8 206.8
115 65.0 52.7 79.1

Manual Integrations

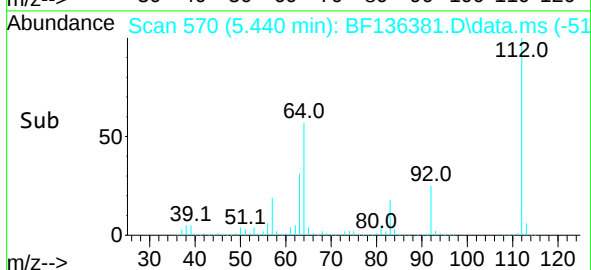
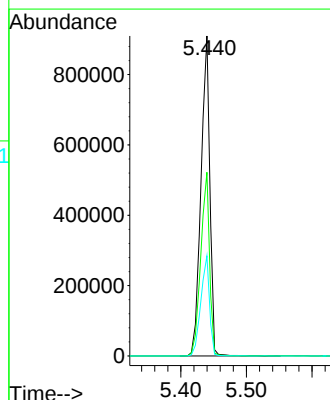
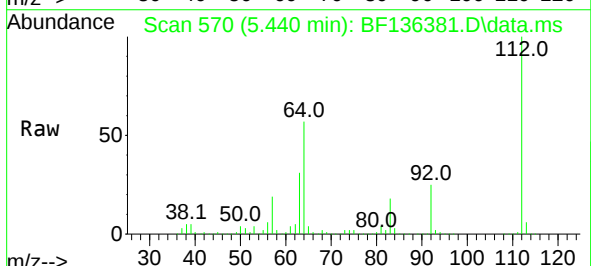
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Supervised By :mohammad ahmed 12/05/2023



#5
2-Fluorophenol
Concen: 102.779 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

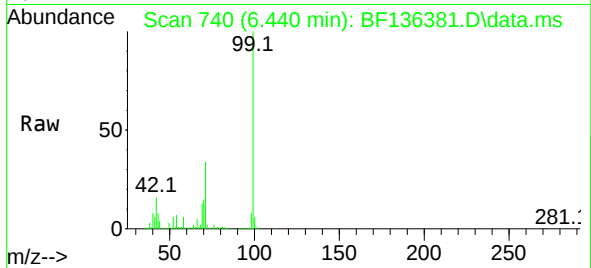
Tgt Ion:112 Resp: 860079
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.4
63 31.3 27.0 40.6





#7
Phenol-d6
Concen: 101.250 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

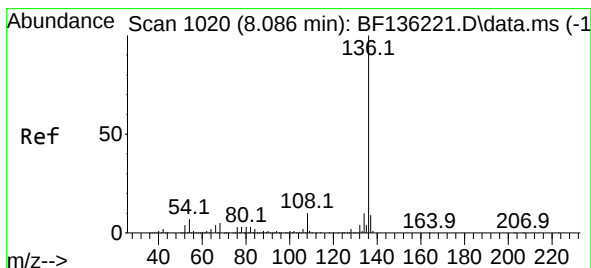
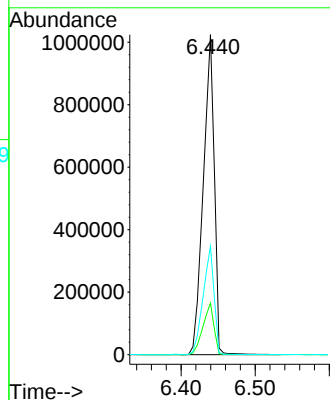
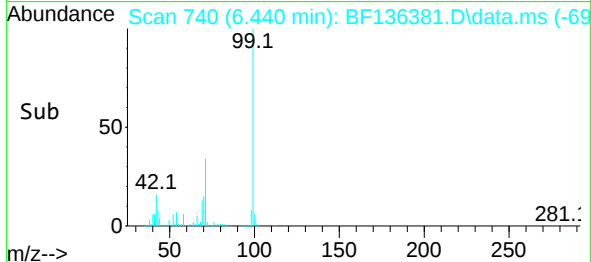
Instrument :
BNA_F
ClientSampleId :
TR-04-112923



Tgt Ion: 99 Resp: 1059418
Ion Ratio Lower Upper
99 100
42 16.2 15.0 22.6
71 33.9 28.9 43.3

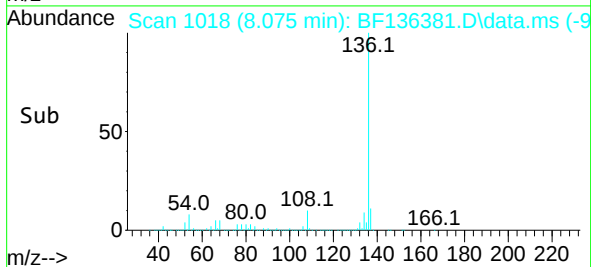
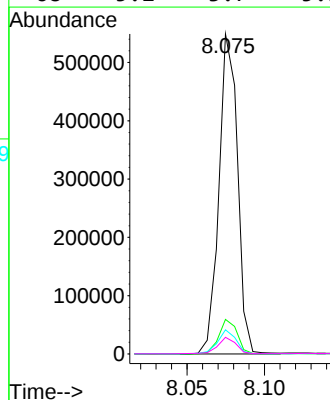
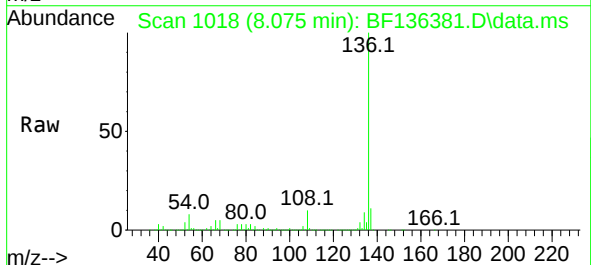
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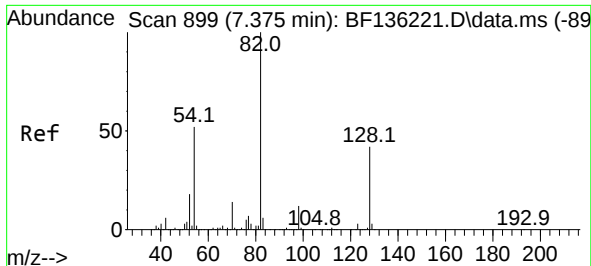
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Tgt Ion:136 Resp: 457687
Ion Ratio Lower Upper
136 100
137 10.8 7.4 11.2
54 7.6 5.5 8.3
68 5.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 73.839 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

Tgt Ion: 82 Resp: 63953

Ion Ratio Lower Upper

82 100

128 44.7 33.4 50.2

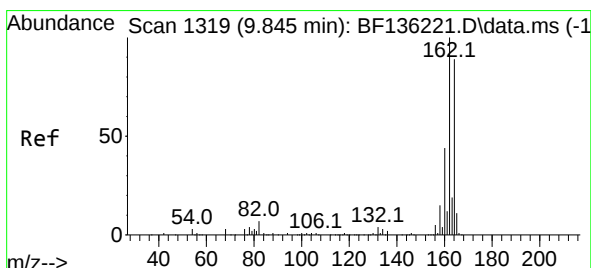
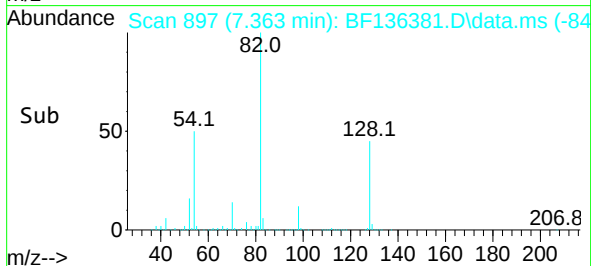
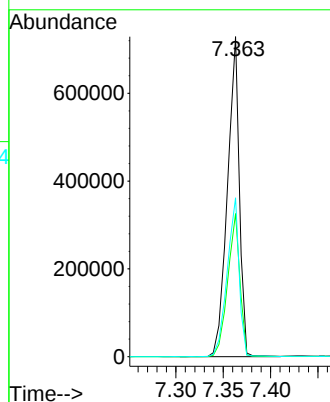
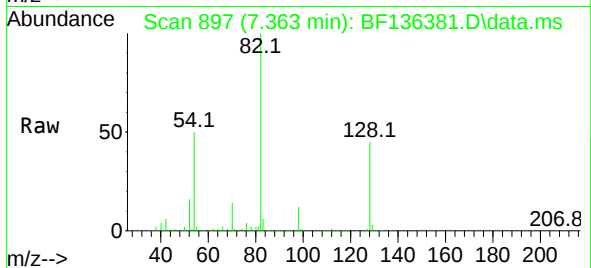
54 49.6 41.7 62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

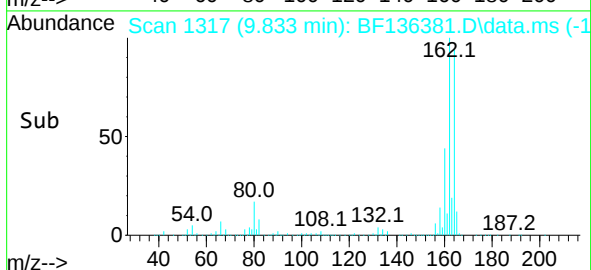
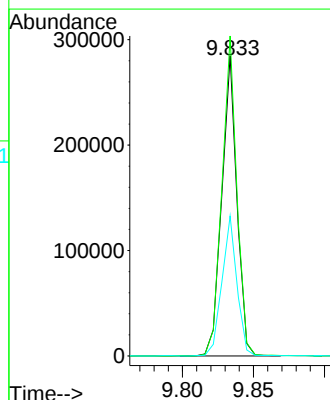
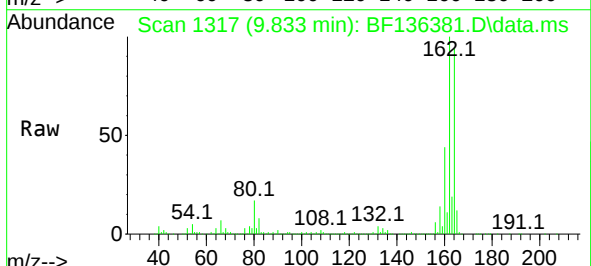
Tgt Ion:164 Resp: 209962

Ion Ratio Lower Upper

164 100

162 106.6 89.5 134.3

160 46.6 39.6 59.4





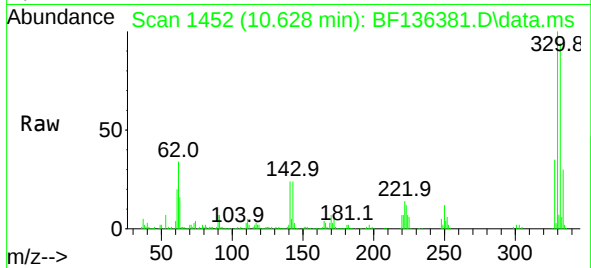
#42
2,4,6-Tribromophenol
Concen: 94.152 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

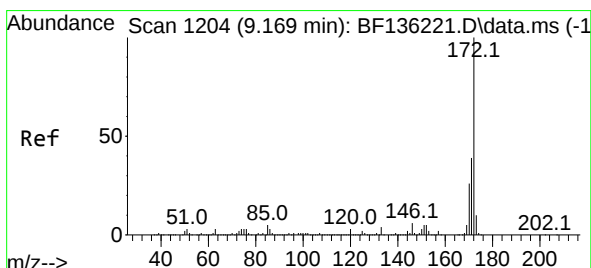
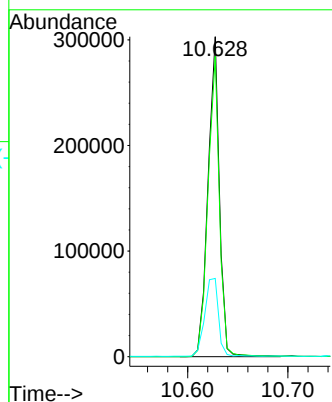
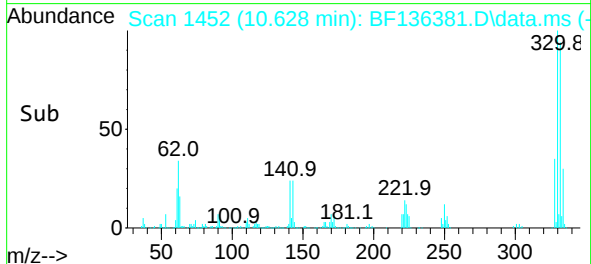


Tgt Ion: 330 Resp: 241685
Ion Ratio Lower Upper
330 100
332 94.8 73.0 109.6
141 29.3 24.2 36.2

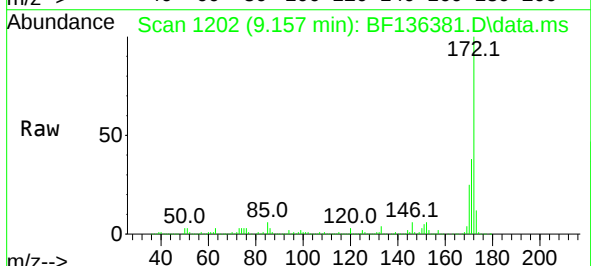
Manual Integrations

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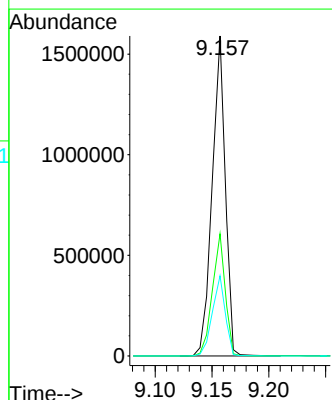
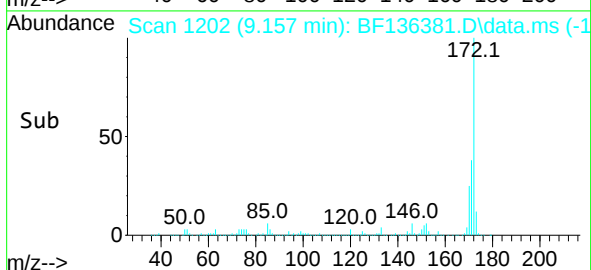
Reviewed By : Yogesh Patel 12/05/2023
Supervised By : mohammad ahmed 12/05/2023

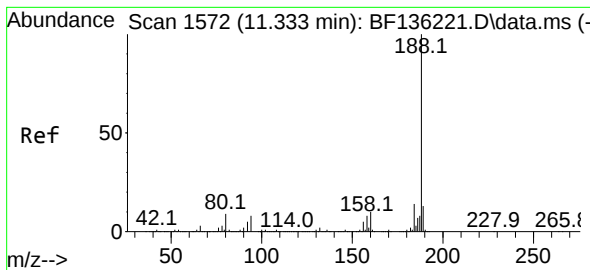


#45
2-Fluorobiphenyl
Concen: 77.871 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46



Tgt Ion: 172 Resp: 1280037
Ion Ratio Lower Upper
172 100
171 38.2 31.5 47.3
170 25.0 20.8 31.2





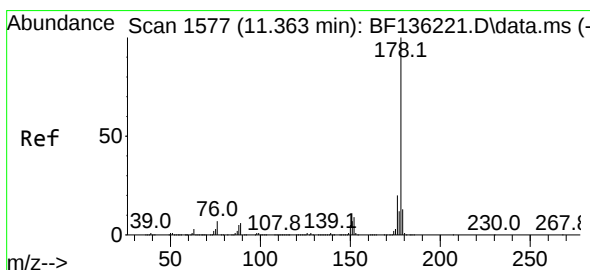
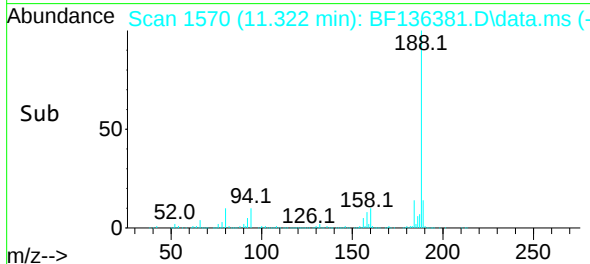
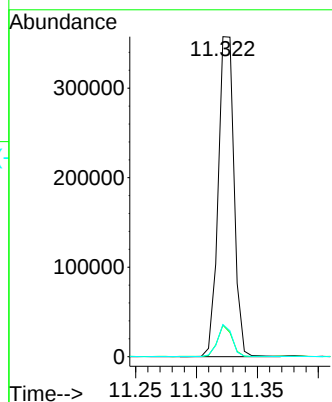
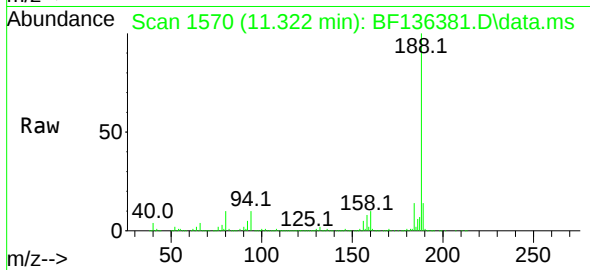
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :
BNA_F
ClientSampleId :
TR-04-112923

Tgt Ion:188 Resp: 324790
Ion Ratio Lower Upper
188 100
94 9.8 6.7 10.1
80 10.0 7.2 10.8

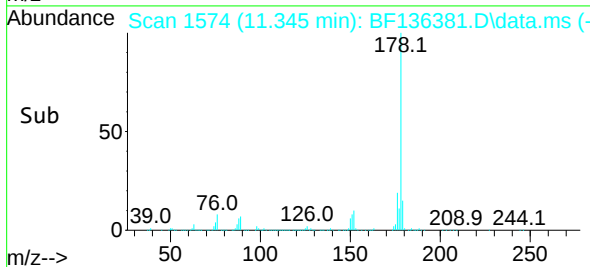
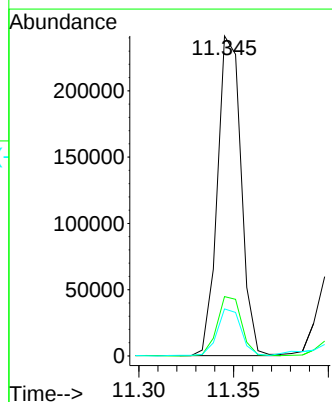
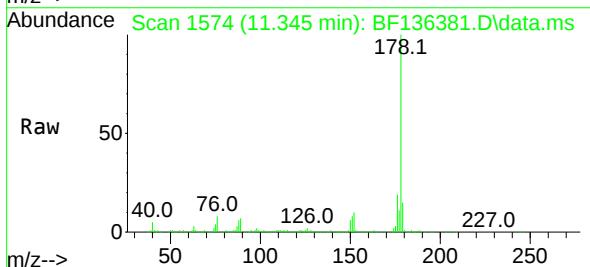
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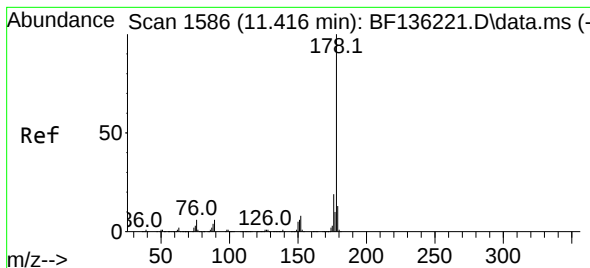
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#71
Phenanthrene
Concen: 11.493 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Tgt Ion:178 Resp: 209793
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.2
179 14.7 10.3 15.5





#72
 Anthracene
 Concen: 2.472 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136381.D
 Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

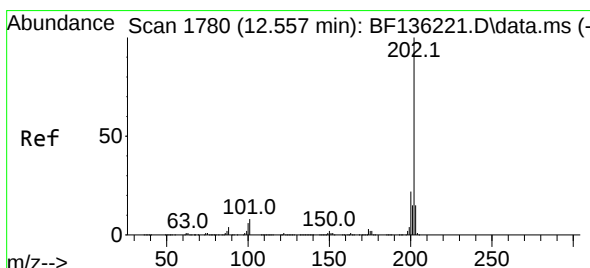
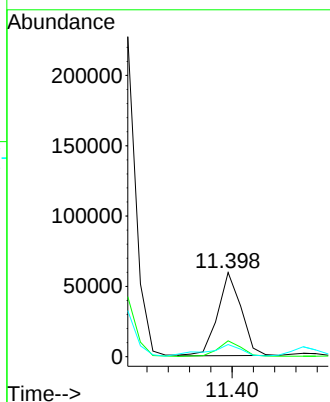
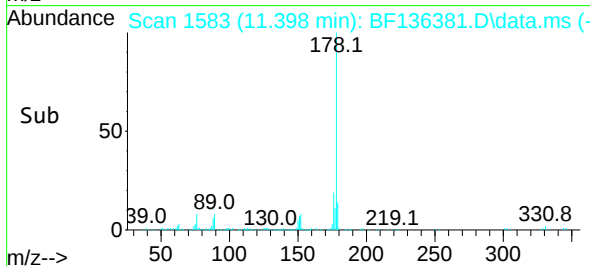
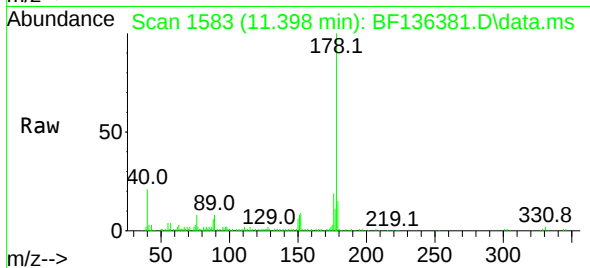
TR-04-112923

Tgt Ion:178 Resp: 4524
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.5 23.3
 179 14.5 10.5 15.7

Manual Integrations

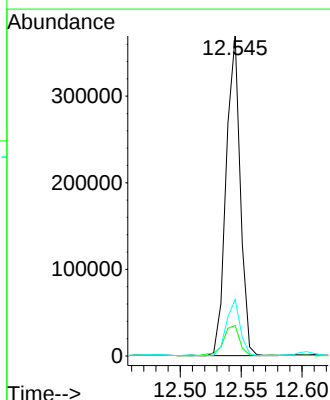
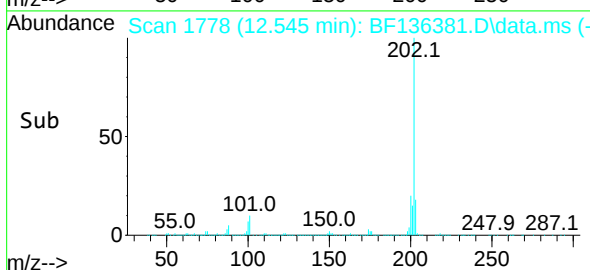
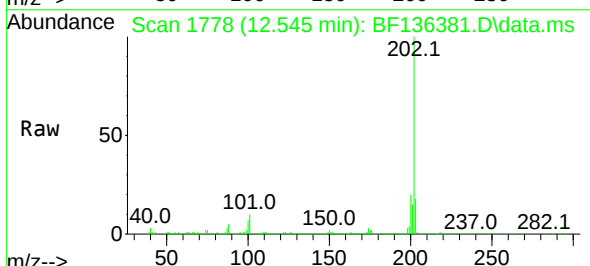
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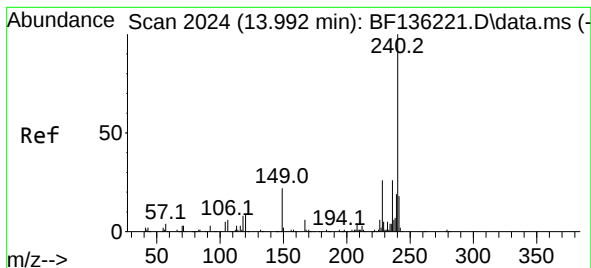
Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023



#75
 Fluoranthene
 Concen: 16.027 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.000 min
 Lab File: BF136381.D
 Acq: 04 Dec 2023 14:46

Tgt Ion:202 Resp: 297007
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 27.8
 203 17.7 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

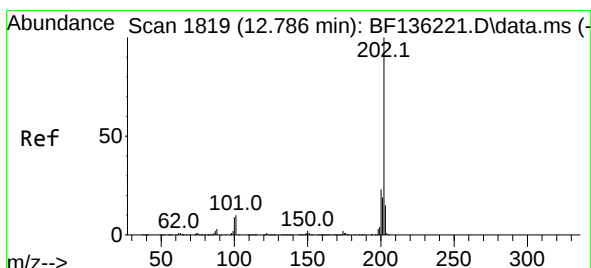
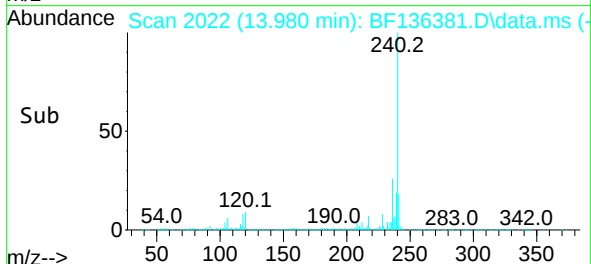
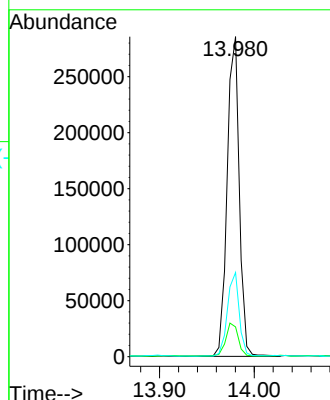
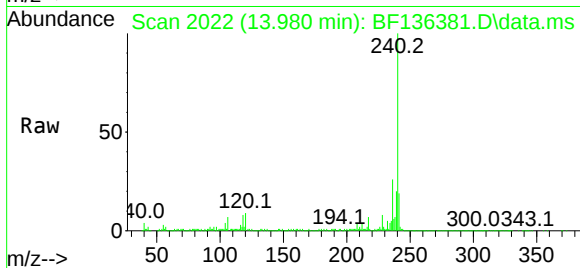
Tgt Ion:240 Resp: 25383
 Ion Ratio Lower Upper
 240 100
 120 9.3 7.4 11.2
 236 26.3 21.1 31.7

Manual Integrations

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Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#78

Pyrene

Concen: 9.030 ng

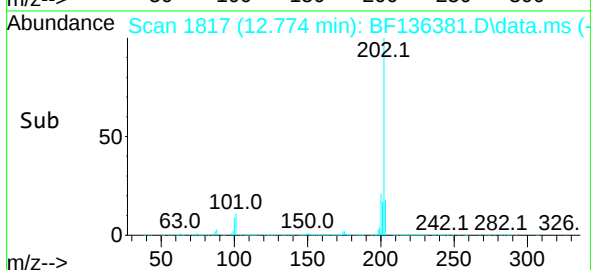
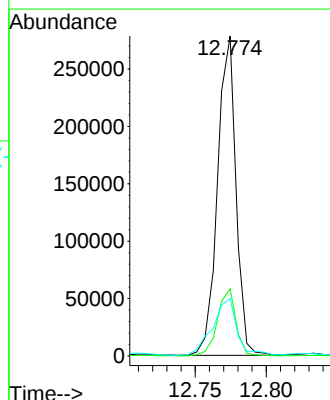
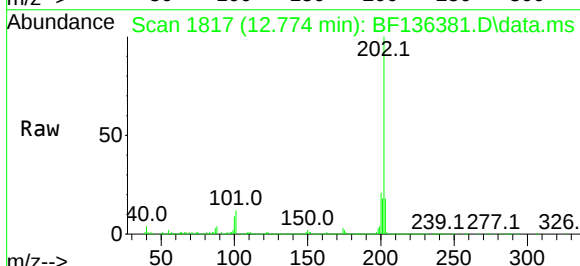
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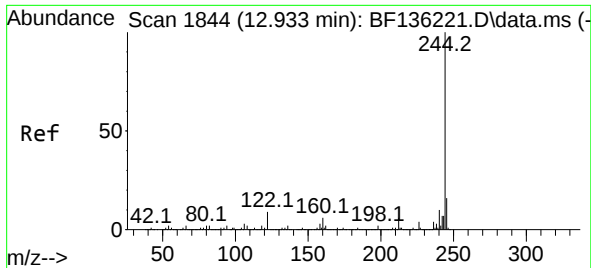
Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Tgt Ion:202 Resp: 251033
 Ion Ratio Lower Upper
 202 100
 200 21.0 18.4 27.6
 203 18.0 11.8 17.6#





#79
Terphenyl-d14
Concen: 53.167 ng
RT: 12.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

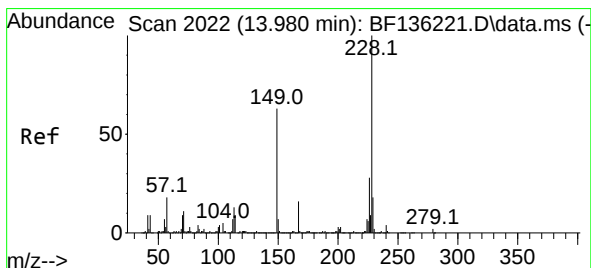
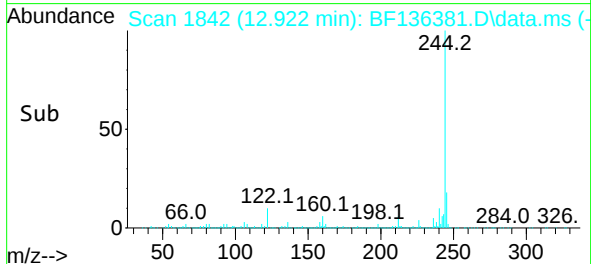
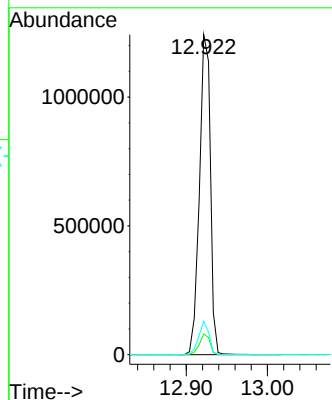
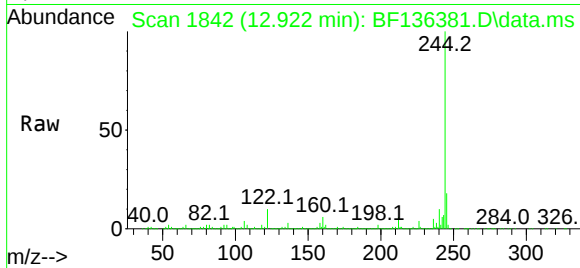
TR-04-112923

Tgt Ion:244 Resp: 1169980
Ion Ratio Lower Upper
244 100
212 6.4 4.6 7.0
122 10.4 7.3 10.9

Manual Integrations

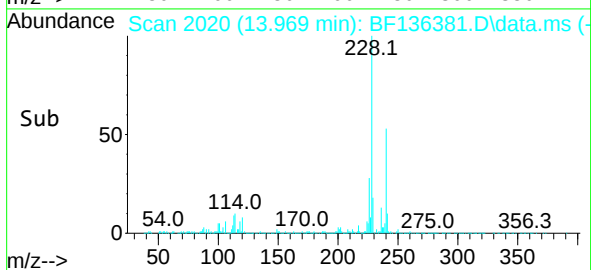
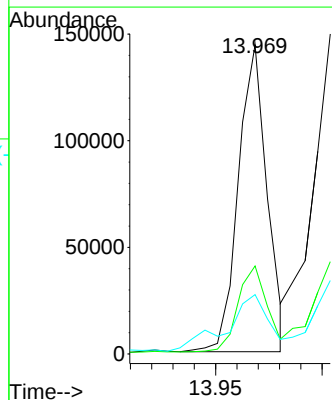
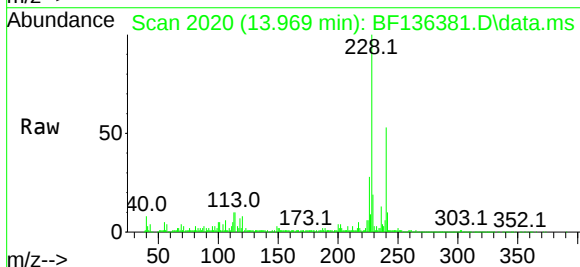
APPROVED

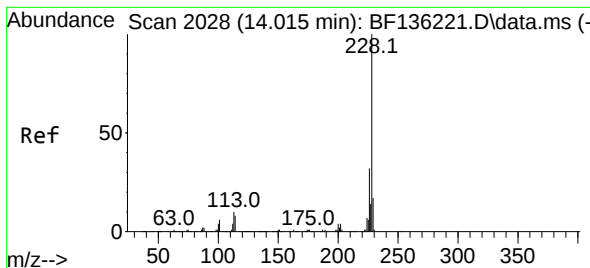
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#81
Benzo(a)anthracene
Concen: 7.172 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Tgt Ion:228 Resp: 135217
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 19.2 14.0 21.0





#83

Chrysene

Concen: 7.645 ng m

RT: 14.004 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

Tgt Ion:228 Resp: 139164

Ion Ratio Lower Upper

228 100

226 28.9 25.5 38.3

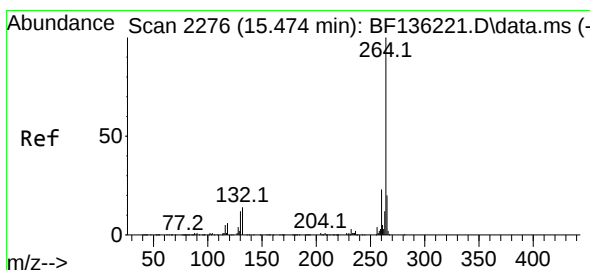
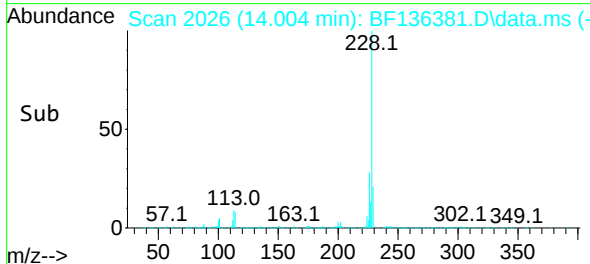
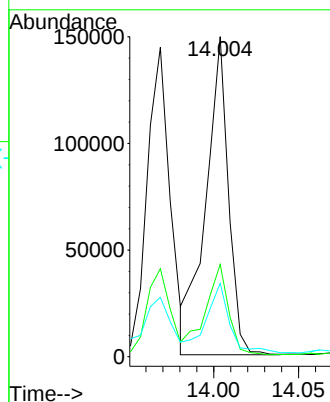
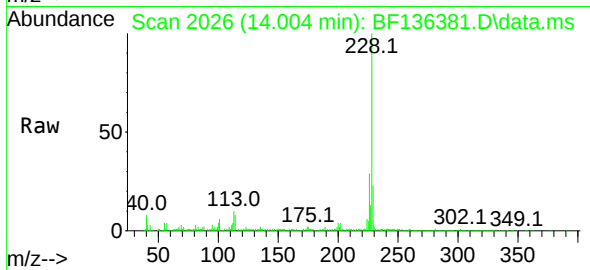
229 22.9 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

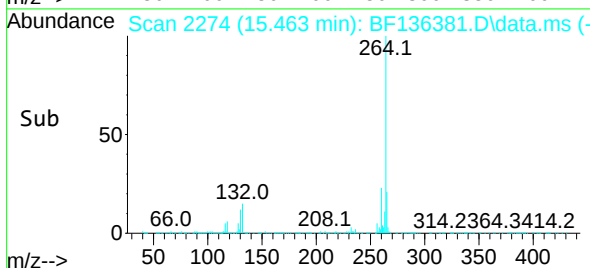
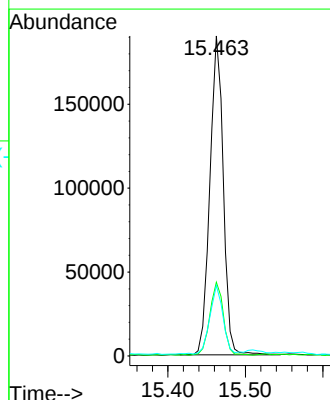
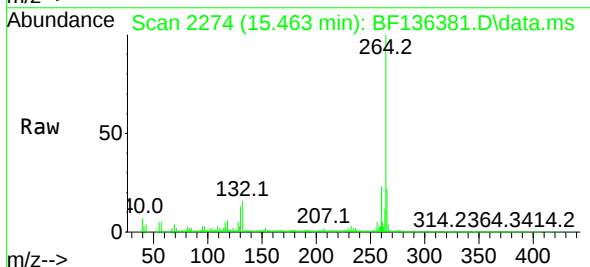
Tgt Ion:264 Resp: 227798

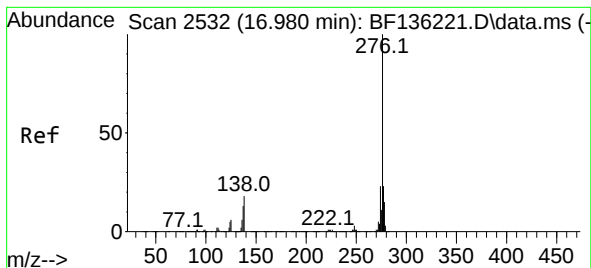
Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 22.0 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.755 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

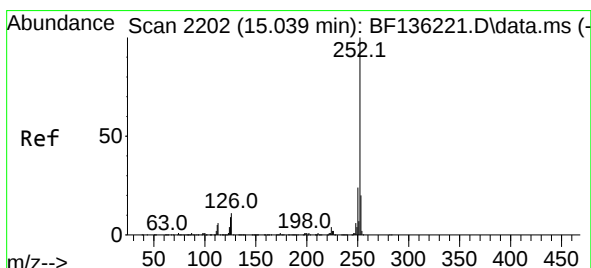
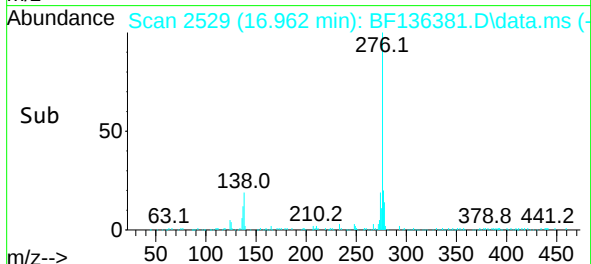
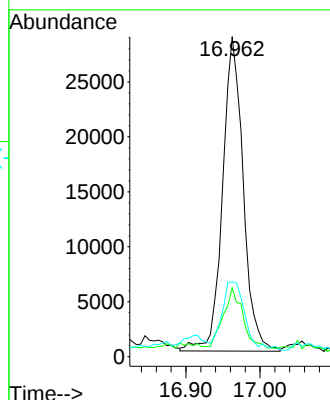
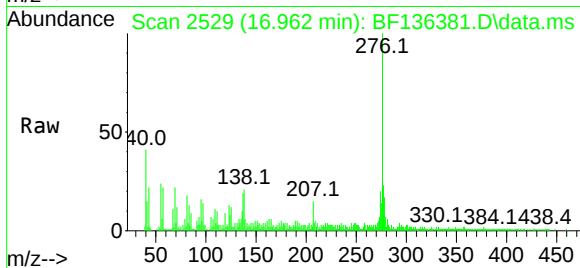
Tgt Ion:	276	Resp:	55478
Ion Ratio	Lower	Upper	
276	100		
138	18.1	17.7	26.5
277	24.4	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#88

Benzo(b)fluoranthene

Concen: 11.966 ng m

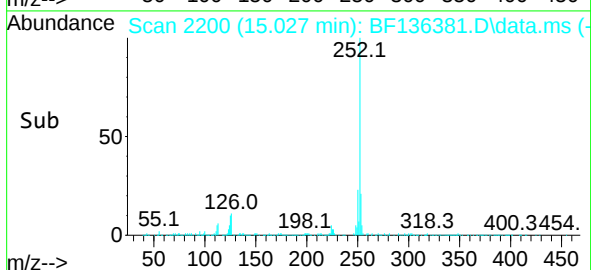
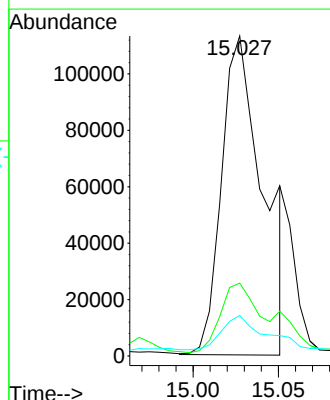
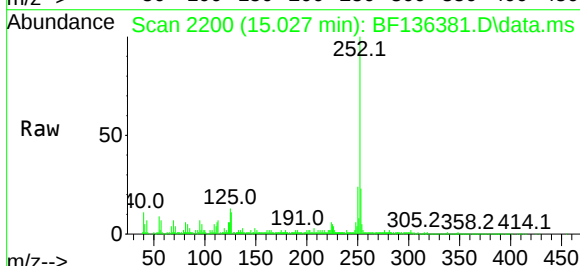
RT: 15.027 min Scan# 2200

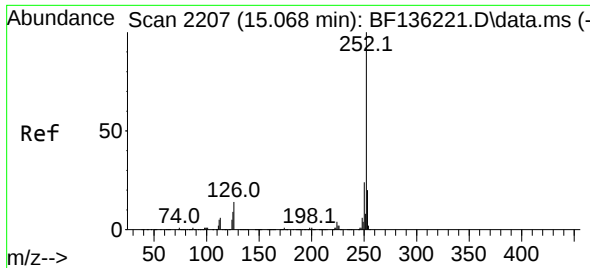
Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Tgt Ion:	252	Resp:	191241
Ion Ratio	Lower	Upper	
252	100		
253	22.7	16.2	24.2
125	12.6	6.9	10.3





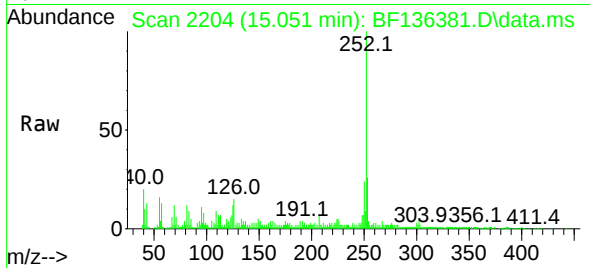
#89
Benzo(k)fluoranthene
Concen: 3.141 ng m
RT: 15.051 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46

Instrument :

BNF

ClientSampleId :

TR-04-112923

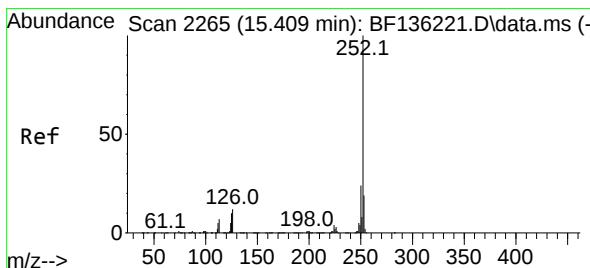
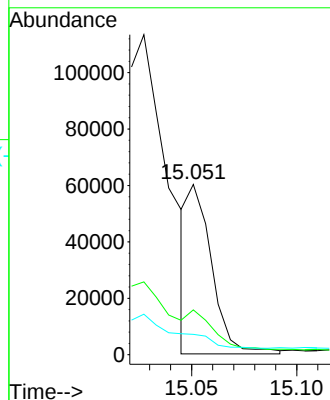
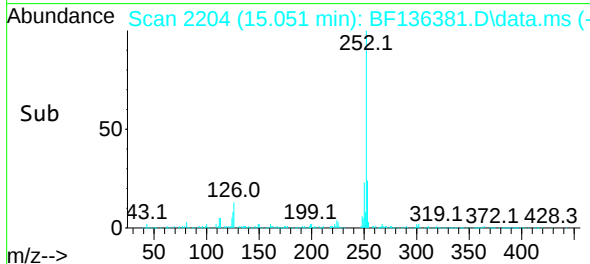


Tgt Ion:252 Resp: 47670
Ion Ratio Lower Upper
252 100
253 26.3 15.6 23.4#
125 11.9 7.0 10.4#

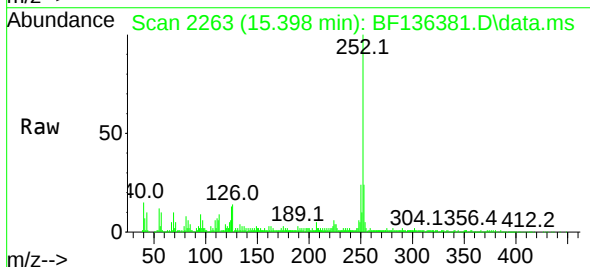
Manual Integrations

APPROVED

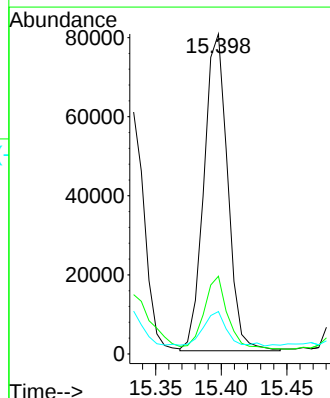
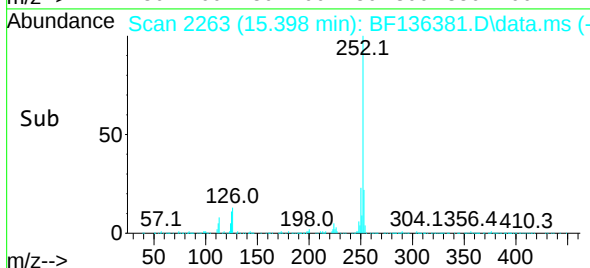
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023

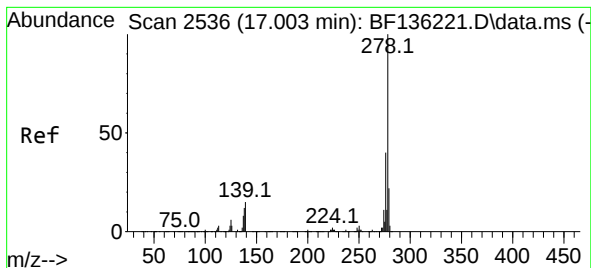


#90
Benzo(a)pyrene
Concen: 7.723 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF136381.D
Acq: 04 Dec 2023 14:46



Tgt Ion:252 Resp: 100902
Ion Ratio Lower Upper
252 100
253 24.3 15.5 23.3#
125 13.2 7.9 11.9#





#91

Dibenzo(a,h)anthracene

Concen: 3.759 ng

RT: 16.980 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Instrument :

BNA_F

ClientSampleId :

TR-04-112923

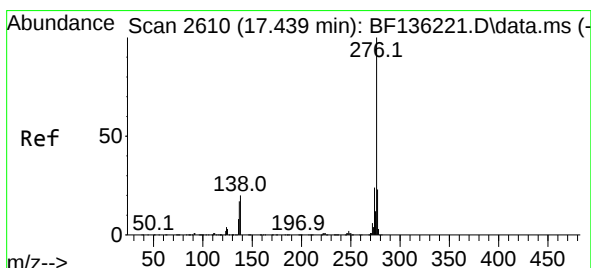
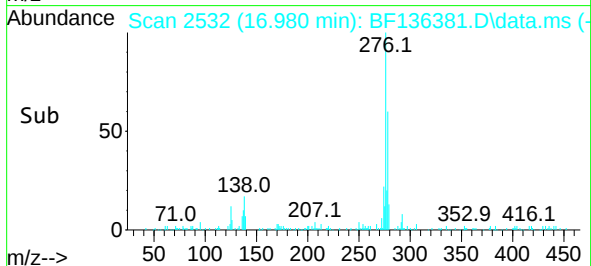
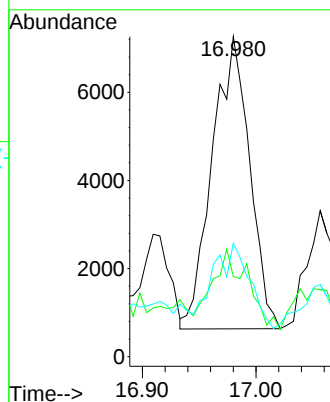
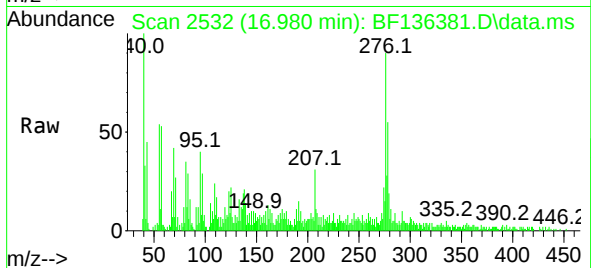
Tgt Ion:	278	Resp:	15140
Ion Ratio	Lower	Upper	
278	100		
139	25.1	11.7	17.5
279	35.5	17.8	26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#92

Benzo(g,h,i)perylene

Concen: 5.501 ng

RT: 17.421 min Scan# 2607

Delta R.T. 0.000 min

Lab File: BF136381.D

Acq: 04 Dec 2023 14:46

Tgt Ion:	276	Resp:	51406
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.6	27.8
138	19.6	15.8	23.8

