

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136061.D
 Acq On : 31 Oct 2023 20:10
 Operator : CG\JU
 Sample : 05040-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-4(50FT)(0-5)

Quant Time: Nov 01 00:37:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	112303	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	375314	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	167956	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	319430	20.000	ng	0.00
76) Chrysene-d12	14.021	240	283070	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	233636	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	677427	94.790	ng	0.00
7) Phenol-d6	6.451	99	783078	87.944	ng	0.00
23) Nitrobenzene-d5	7.381	82	443761	71.276	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	182594	101.853	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	794155	75.375	ng	0.00
79) Terphenyl-d14	12.963	244	1000807	54.943	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	220655	12.192	ng	100
37) 2-Methylnaphthalene	8.816	142	61726	5.086	ng	97
38) 1-Methylnaphthalene	8.916	142	100984	8.942	ng	99
46) 1,1'-Biphenyl	9.281	154	41299	3.226	ng	97
49) Acenaphthylene	9.722	152	440545	29.919	ng	100
52) Acenaphthene	9.892	154	97337	10.399	ng	97
55) Dibenzofuran	10.069	168	68095	4.989	ng	# 94
58) Fluorene	10.410	166	154446	15.113	ng	97
71) Phenanthrene	11.380	178	973017	60.498	ng	99
72) Anthracene	11.433	178	539866	32.758	ng	99
73) Carbazole	11.586	167	41690	2.911	ng	# 88
75) Fluoranthene	12.598	202	1775081	107.434	ng	99
78) Pyrene	12.821	202	2389771	95.756	ng	99
81) Benzo(a)anthracene	14.015	228	1221696m	65.192	ng	
83) Chrysene	14.051	228	1208421	65.477	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	420753	27.555	ng	96
88) Benzo(b)fluoranthene	15.080	252	983610m	71.149	ng	
89) Benzo(k)fluoranthene	15.110	252	322849m	23.602	ng	
90) Benzo(a)pyrene	15.457	252	858671	66.848	ng	98
91) Dibenzo(a,h)anthracene	17.051	278	112613	9.003	ng	94
92) Benzo(g,h,i)perylene	17.503	276	449269	32.541	ng	100

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

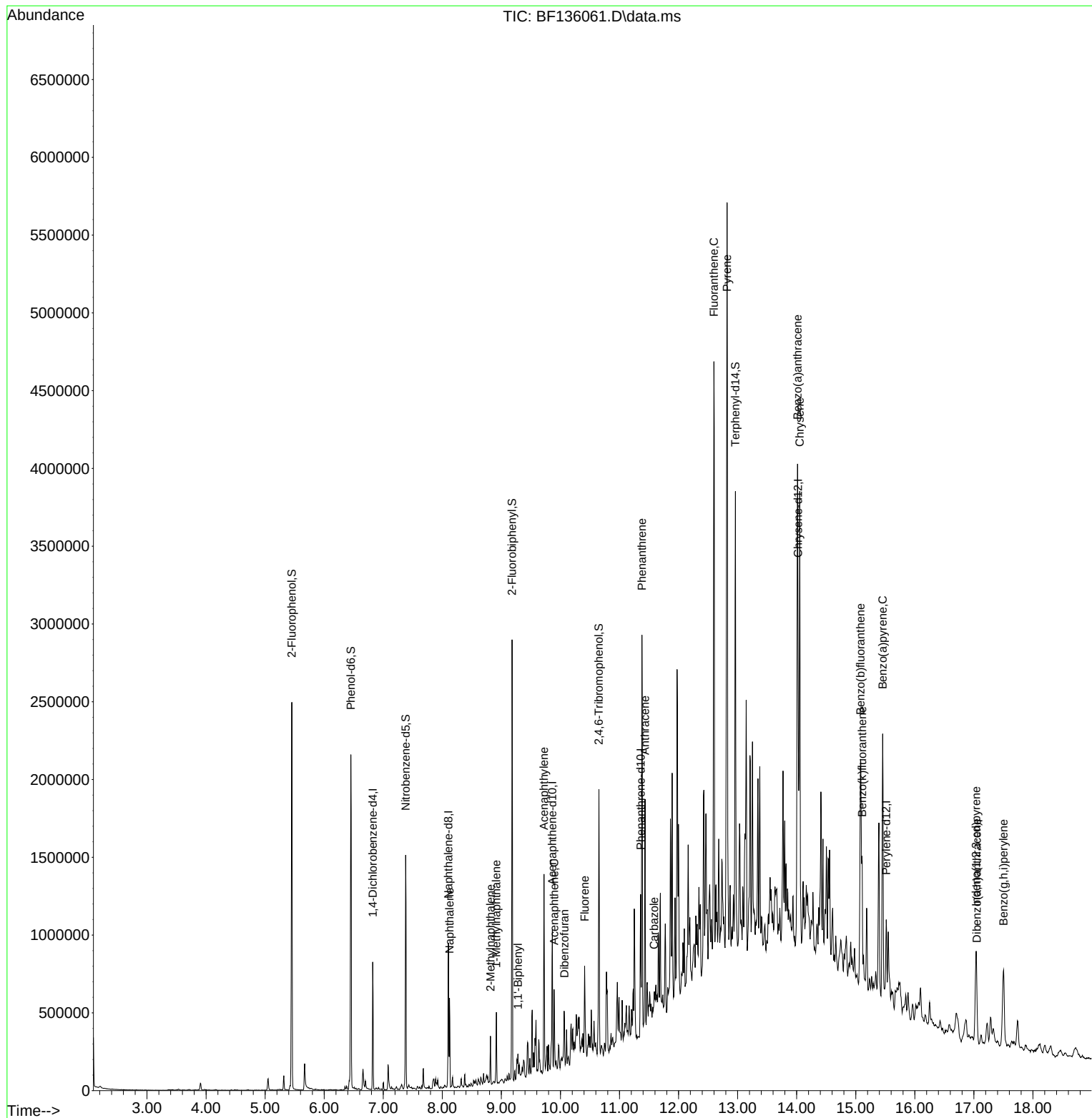
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
Data File : BF136061.D
Acq On : 31 Oct 2023 20:10
Operator : CG\JU
Sample : 05040-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

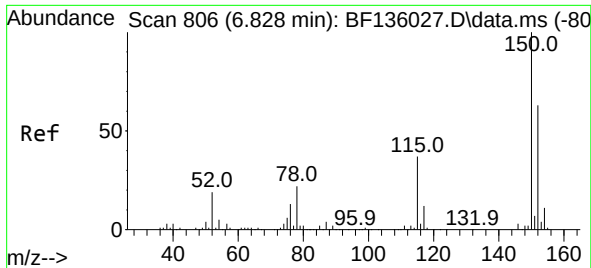
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Quant Time: Nov 01 00:37:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

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APPROVED

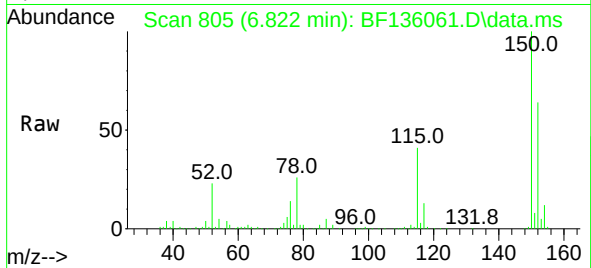
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

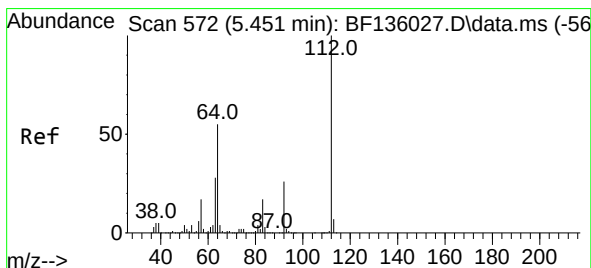
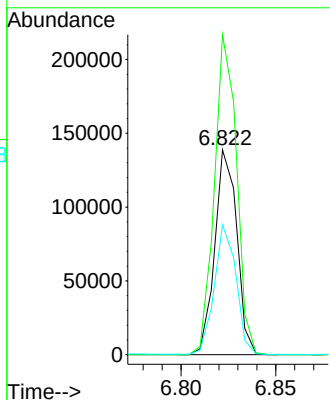
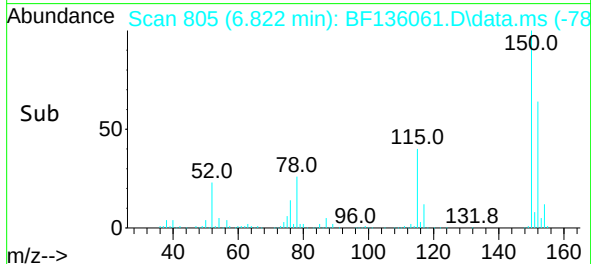
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:152 Resp: 11230
Ion Ratio Lower Upper
152 100
150 156.3 126.4 189.6
115 63.4 47.0 70.4

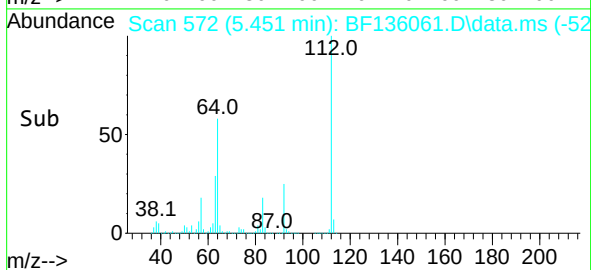
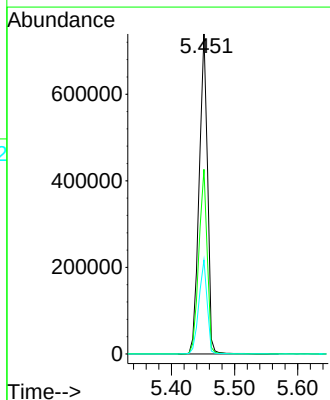
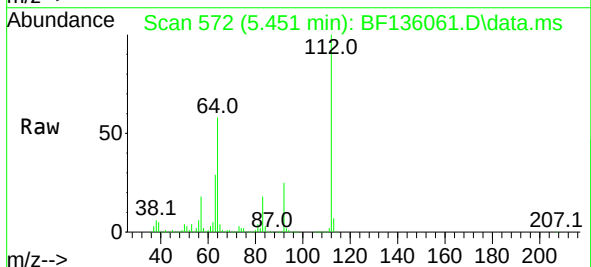
Manual Integrations
APPROVED

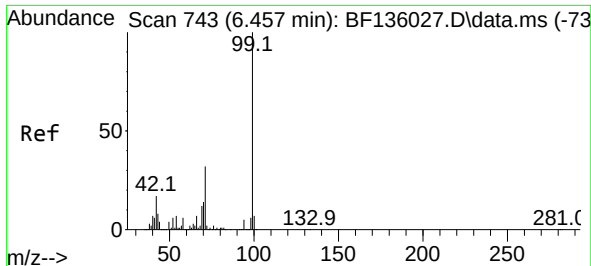
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#5
2-Fluorophenol
Concen: 94.790 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

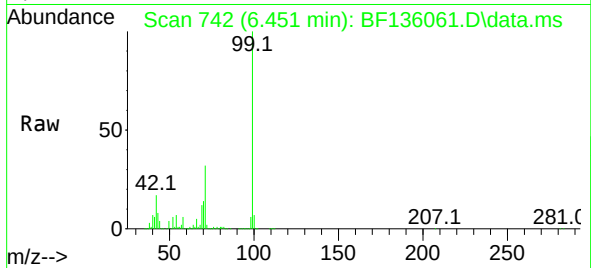
Tgt Ion:112 Resp: 677427
Ion Ratio Lower Upper
112 100
64 57.7 43.9 65.9
63 29.3 22.4 33.6





#7
Phenol-d6
Concen: 87.944 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

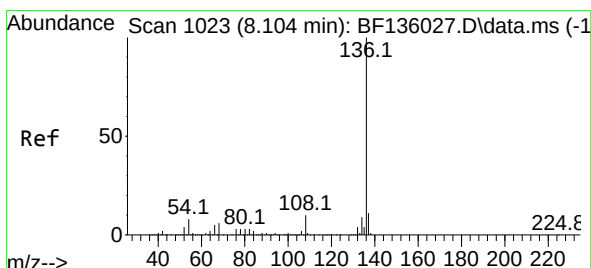
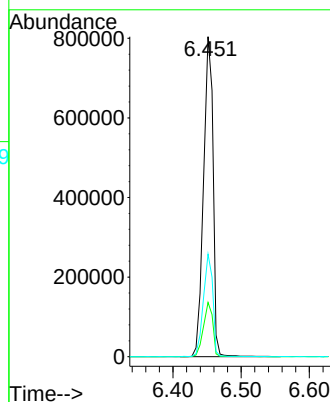
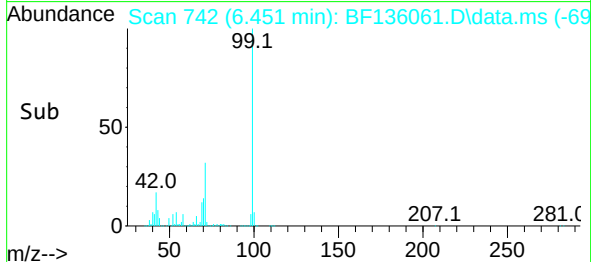
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



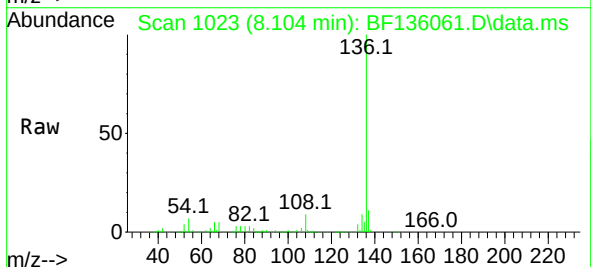
Tgt Ion: 99 Resp: 783078
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 32.0 25.9 38.9

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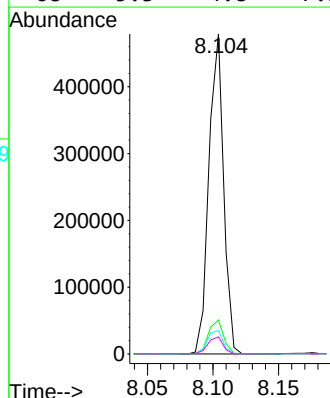
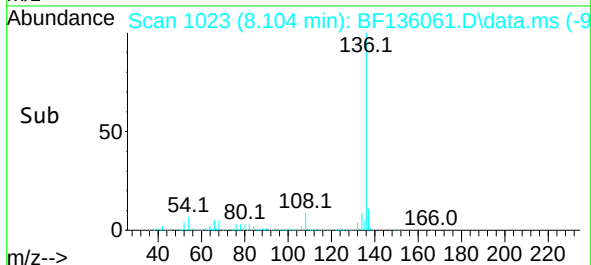
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

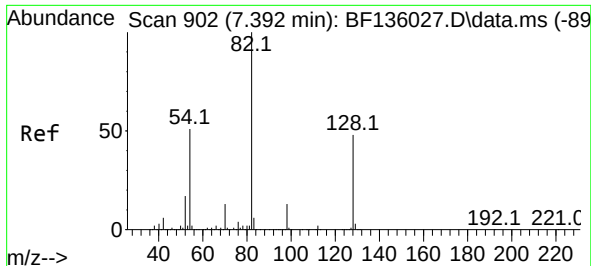


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10



Tgt Ion:136 Resp: 375314
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.3 6.6 9.8
68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 71.276 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)

Tgt Ion: 82 Resp: 44376

Ion Ratio Lower Upper

82 100

128 44.8 38.6 57.8

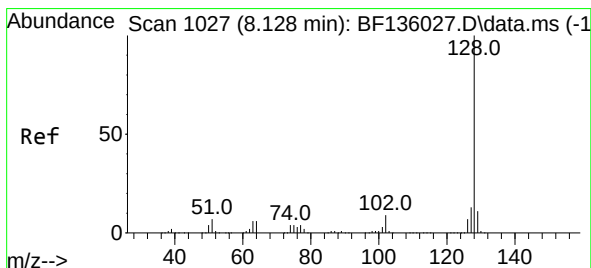
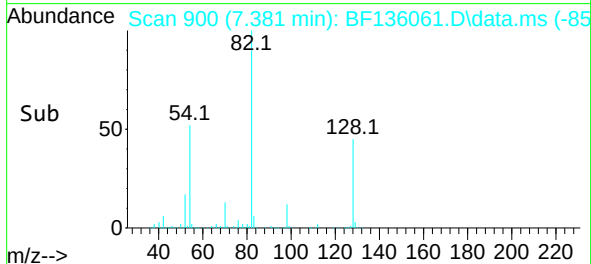
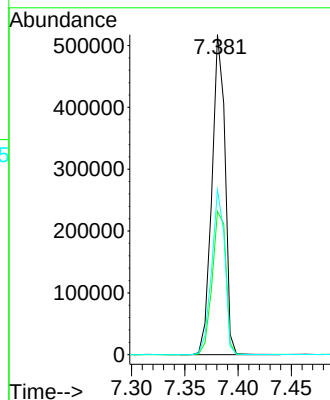
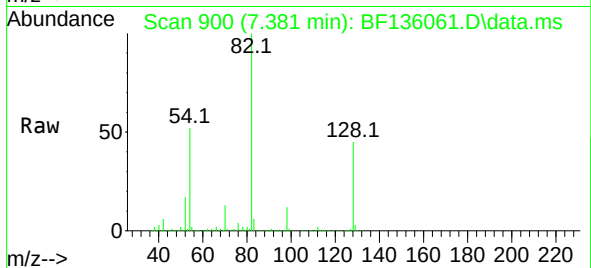
54 51.5 40.8 61.2

Manual Integrations

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Supervised By :mohammad ahmed 11/01/2023



#31

Naphthalene

Concen: 12.192 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

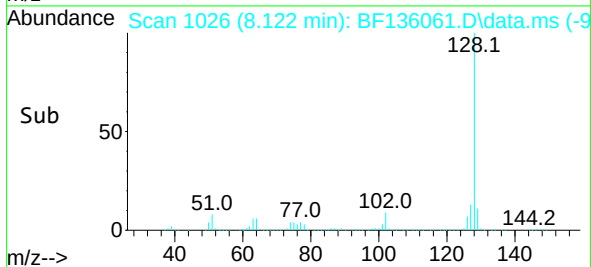
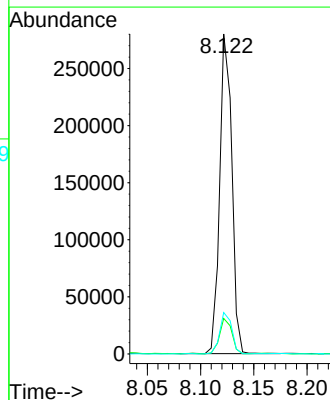
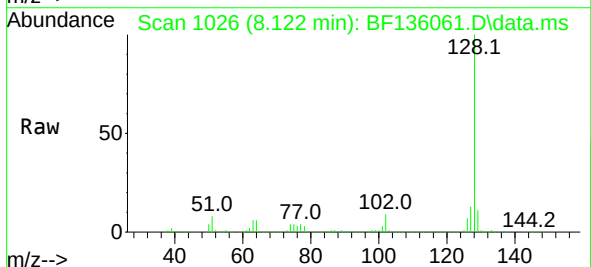
Tgt Ion:128 Resp: 220655

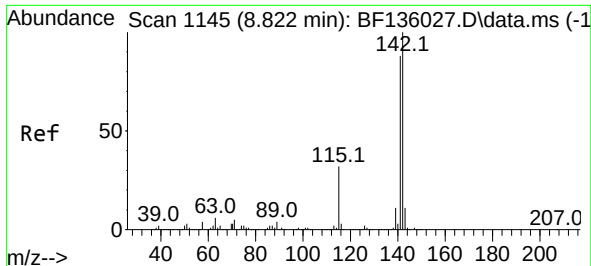
Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

127 13.0 10.5 15.7





#37

2-Methylnaphthalene

Concen: 5.086 ng

RT: 8.816 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)

Tgt Ion:142 Resp: 61720

Ion Ratio Lower Upper

142 100

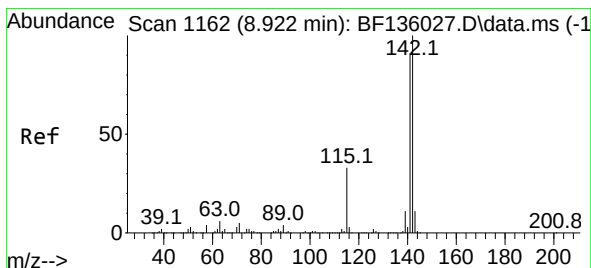
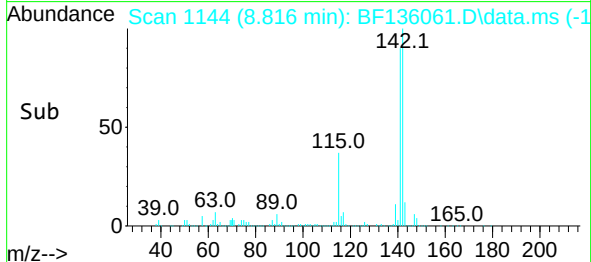
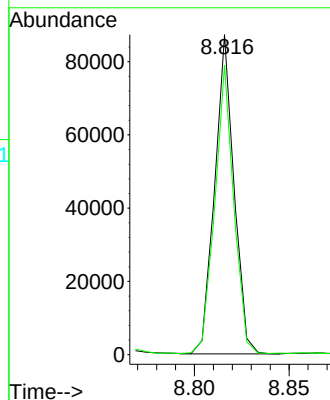
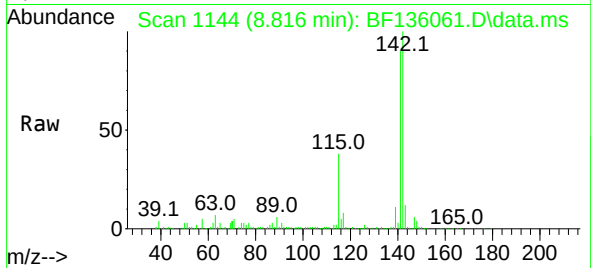
141 90.4 70.4 105.6

Manual Integrations

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Supervised By :mohammad ahmed 11/01/2023



#38

1-Methylnaphthalene

Concen: 8.942 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.006 min

Lab File: BF136061.D

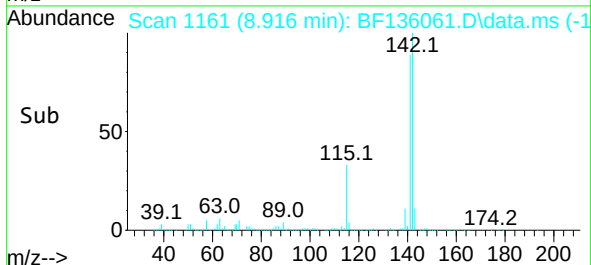
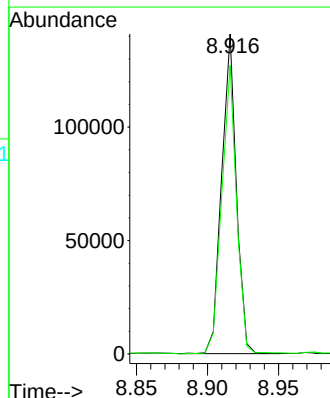
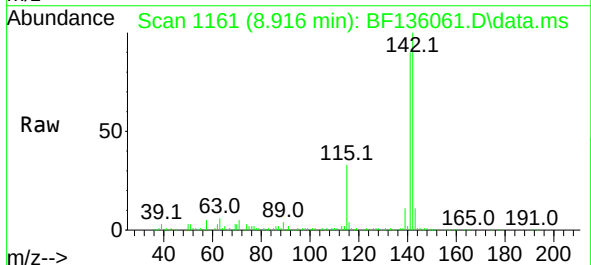
Acq: 31 Oct 2023 20:10

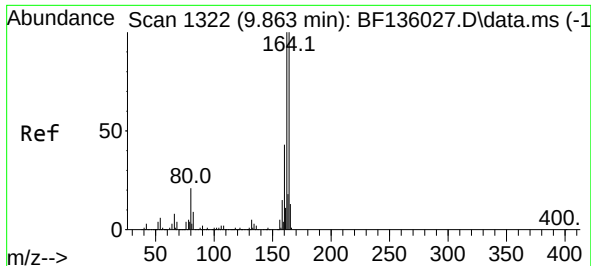
Tgt Ion:142 Resp: 100984

Ion Ratio Lower Upper

142 100

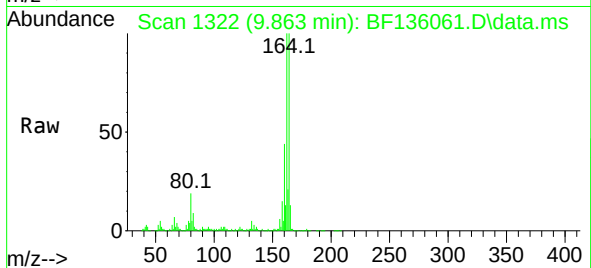
141 90.2 72.6 109.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

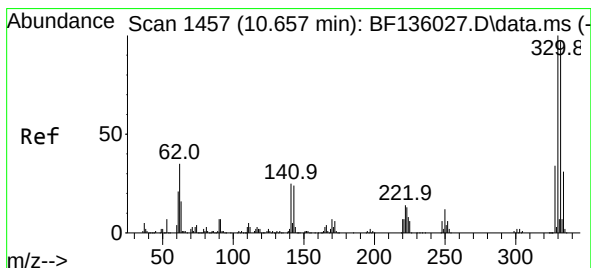
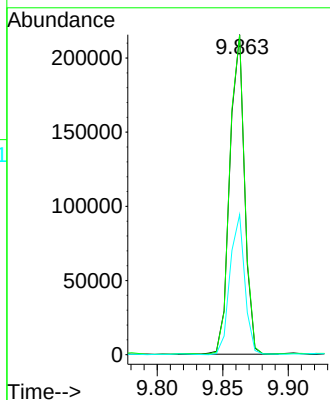
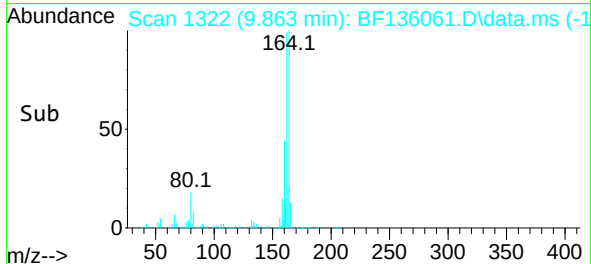
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



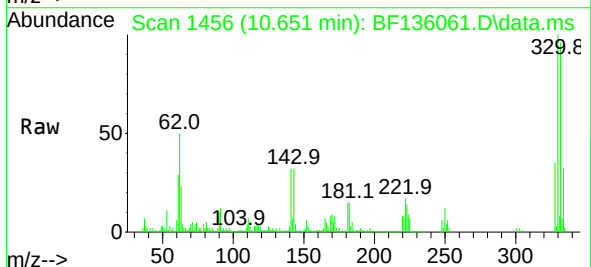
Tgt Ion:164 Resp: 167950
Ion Ratio Lower Upper
164 100
162 99.9 80.1 120.1
160 43.8 34.8 52.2

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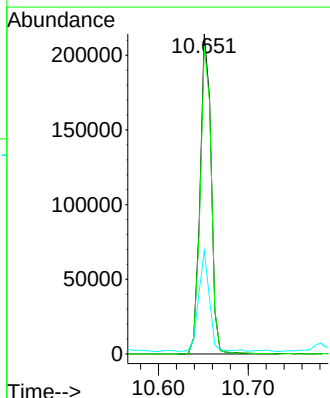
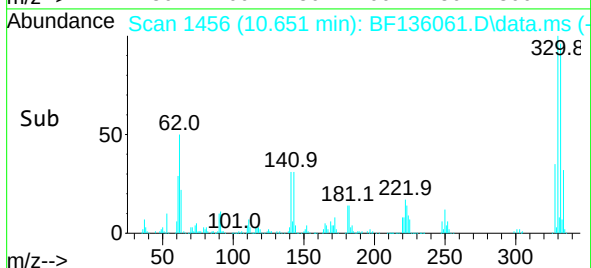
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023

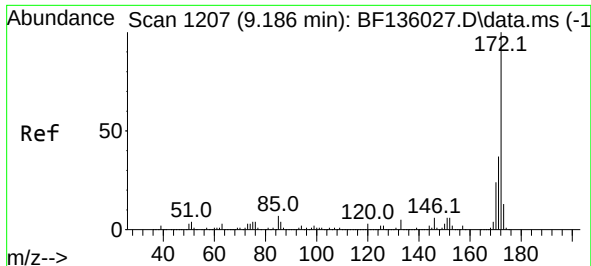


#42
2,4,6-Tribromophenol
Concen: 101.853 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10



Tgt Ion:330 Resp: 182594
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 30.5 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 75.375 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)

Tgt Ion:172 Resp: 79415

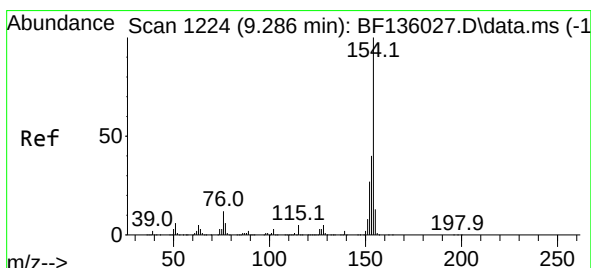
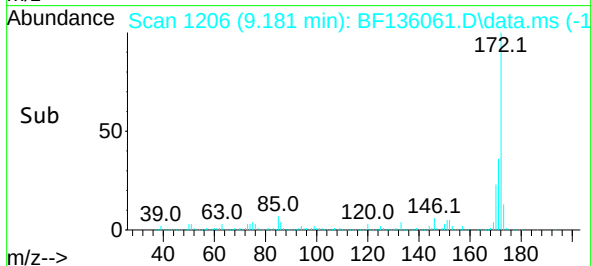
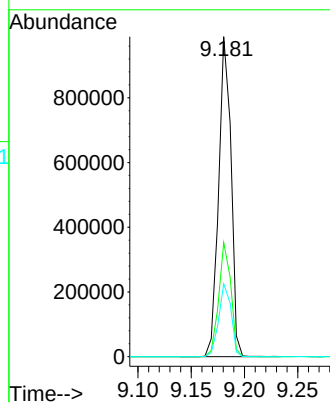
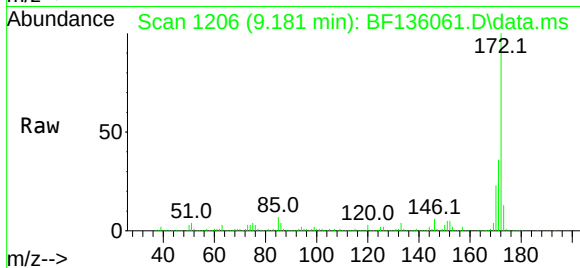
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.8	19.3	28.9

Manual Integrations

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Supervised By :mohammad ahmed 11/01/2023



#46

1,1'-Biphenyl

Concen: 3.226 ng

RT: 9.281 min Scan# 1223

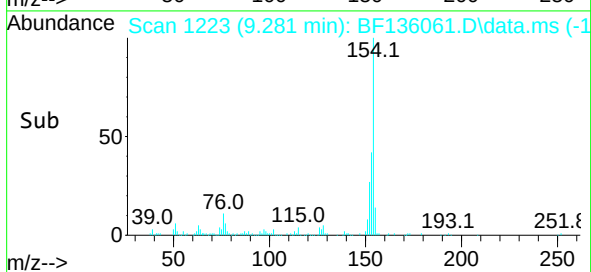
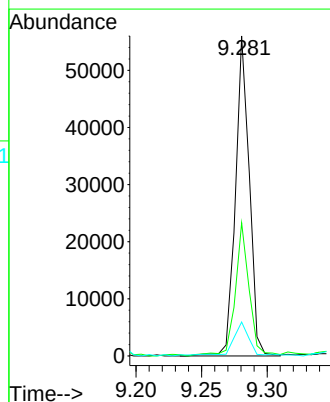
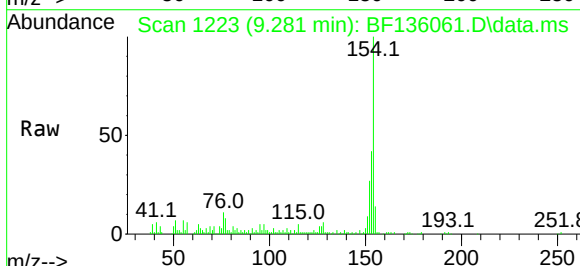
Delta R.T. -0.006 min

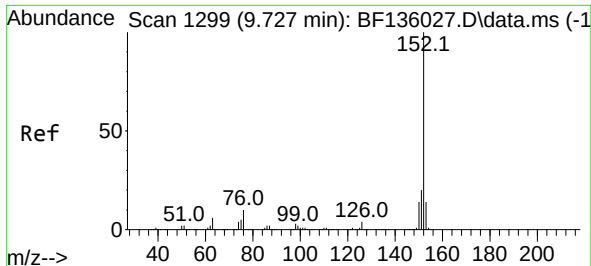
Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

Tgt Ion:154 Resp: 41299

Ion	Ratio	Lower	Upper
154	100		
153	41.6	20.1	60.1
76	10.6	0.0	32.5





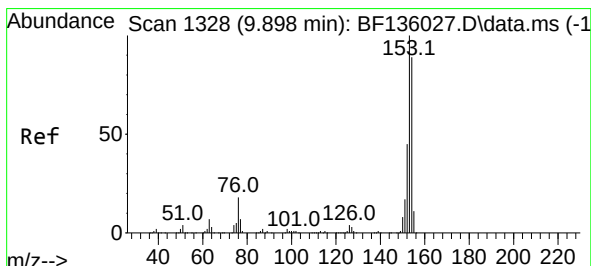
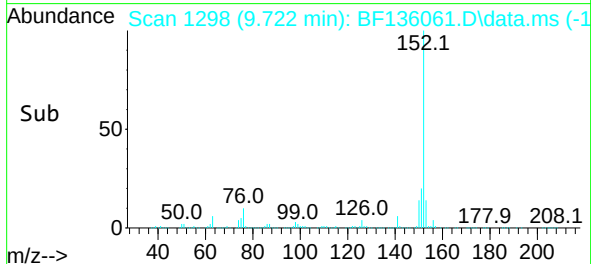
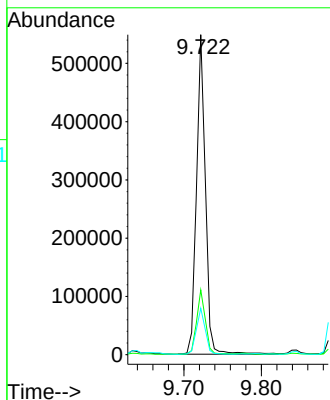
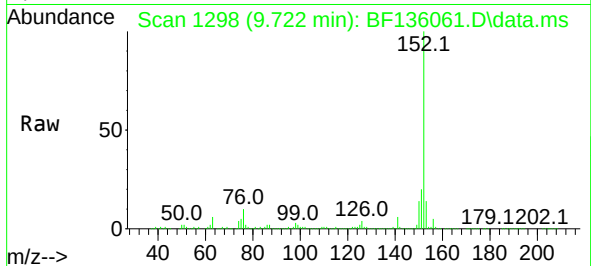
#49
Acenaphthylene
Concen: 29.919 ng
RT: 9.722 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)

Tgt Ion:152 Resp: 440549
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 14.5 11.4 17.2

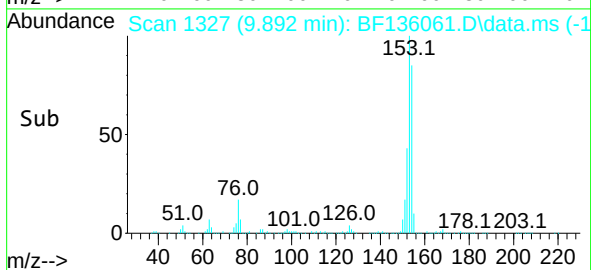
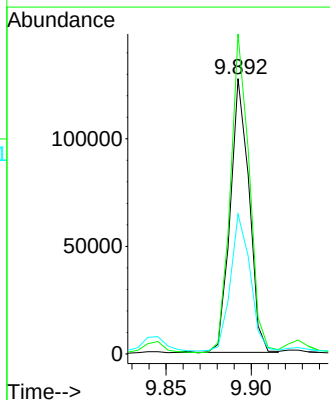
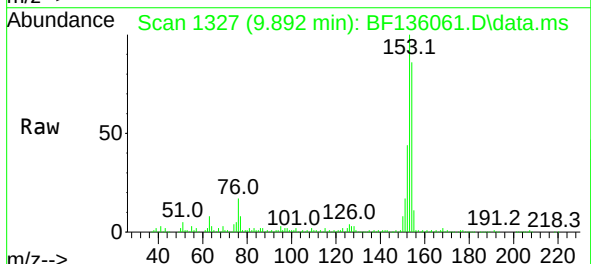
Manual Integrations
APPROVED

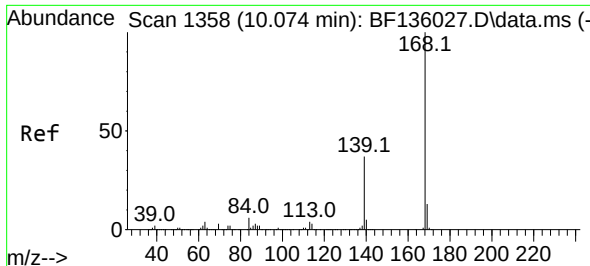
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#52
Acenaphthene
Concen: 10.399 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

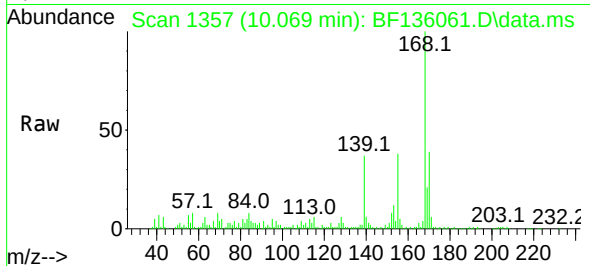
Tgt Ion:154 Resp: 97337
Ion Ratio Lower Upper
154 100
153 116.2 89.9 134.9
152 50.8 40.2 60.2





#55
Dibenzenofuran
Concen: 4.989 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

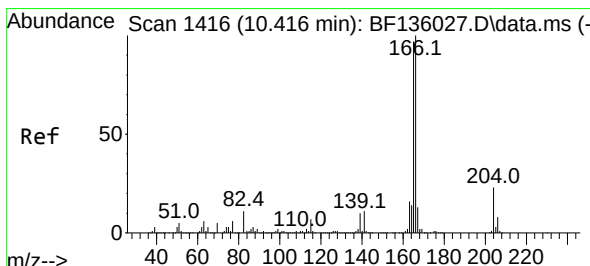
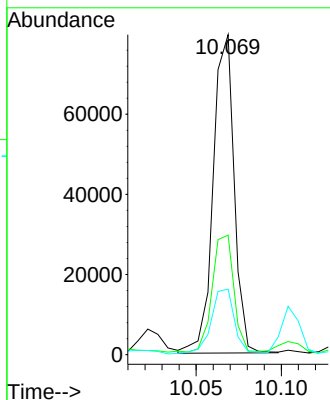
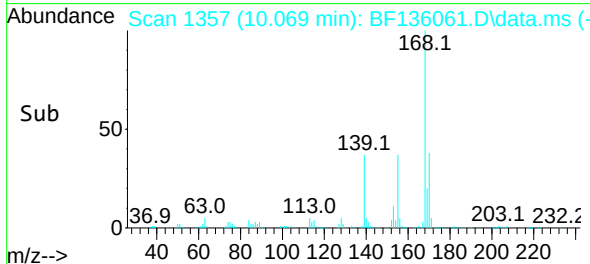
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:168 Resp: 68095
Ion Ratio Lower Upper
168 100
139 37.4 29.4 44.0
169 20.5 10.5 15.7

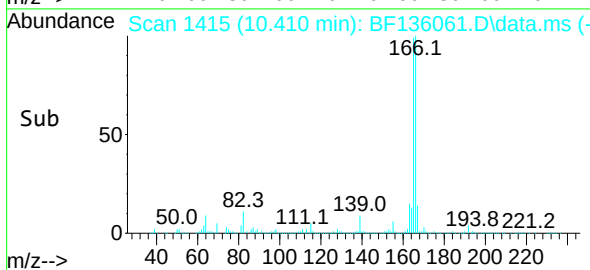
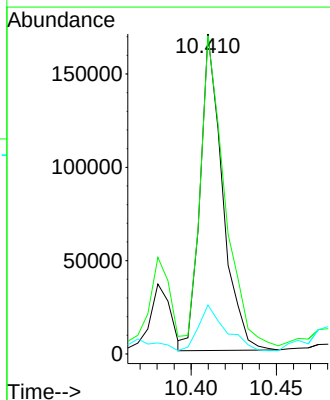
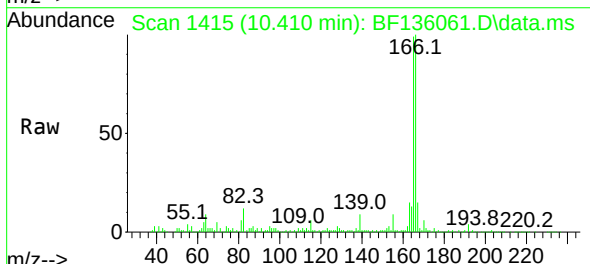
Manual Integrations
APPROVED

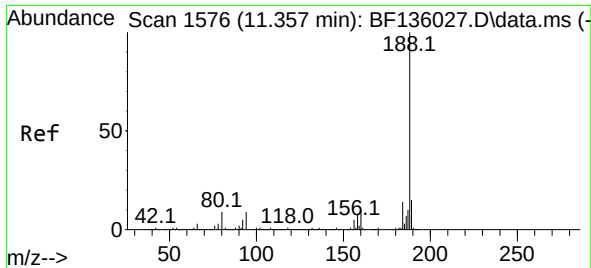
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#58
Fluorene
Concen: 15.113 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

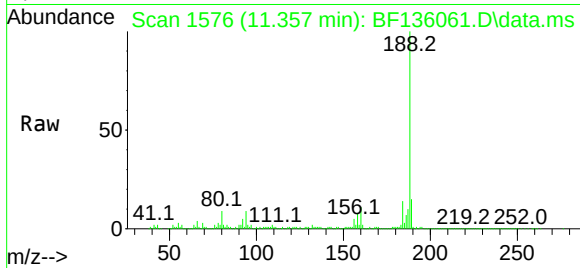
Tgt Ion:166 Resp: 154446
Ion Ratio Lower Upper
166 100
165 99.4 77.7 116.5
167 15.3 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

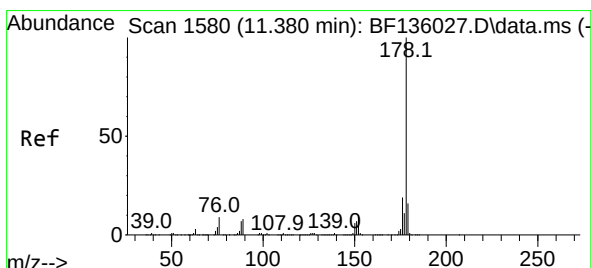
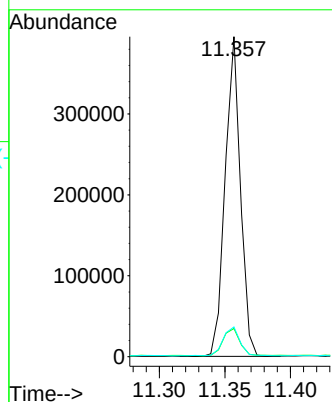
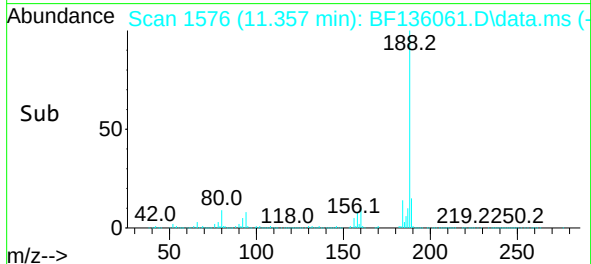
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:188 Resp: 319430
Ion Ratio Lower Upper
188 100
94 8.8 7.2 10.8
80 9.3 7.4 11.0

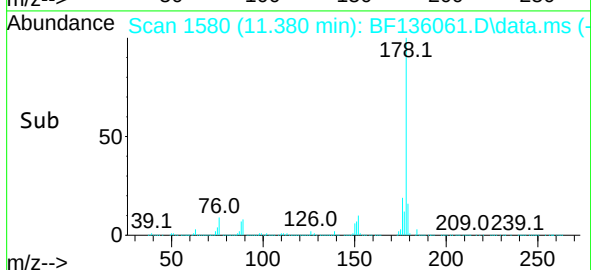
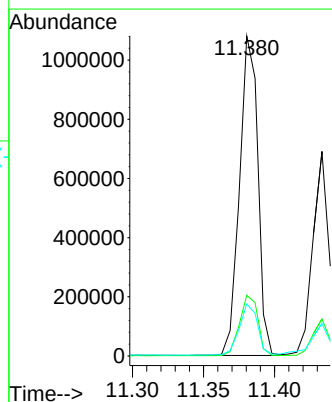
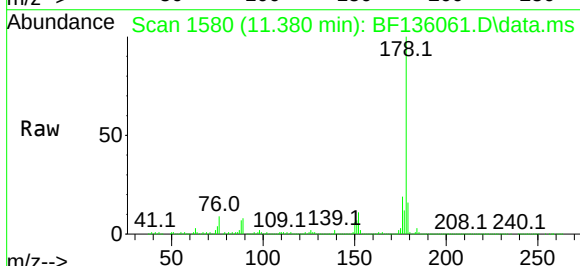
Manual Integrations
APPROVED

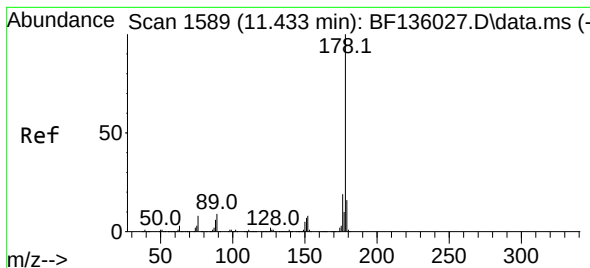
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#71
Phenanthrene
Concen: 60.498 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:178 Resp: 973017
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 16.3 12.9 19.3





#72

Anthracene

Concen: 32.758 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)

Tgt Ion:178 Resp: 539860

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.4

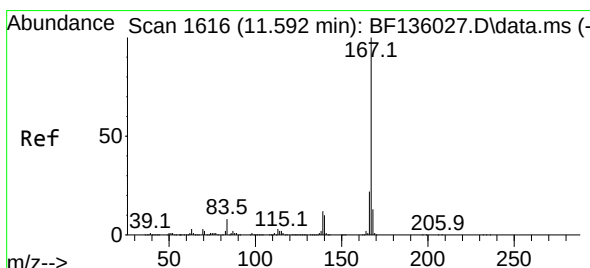
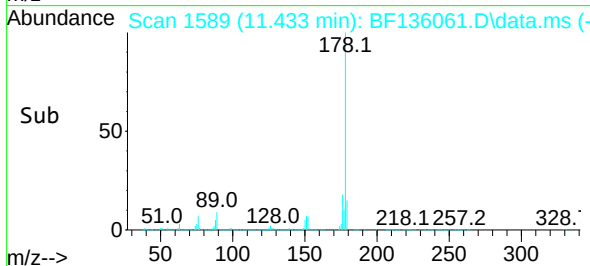
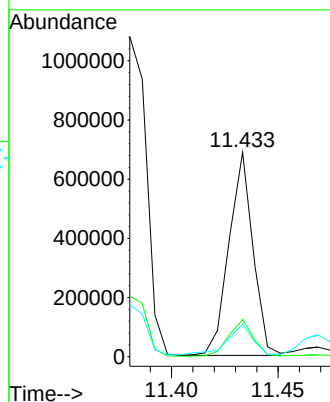
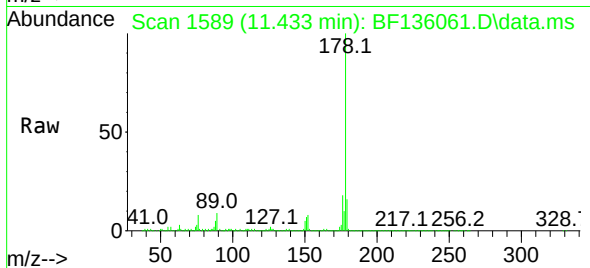
179 15.9 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#73

Carbazole

Concen: 2.911 ng

RT: 11.586 min Scan# 1615

Delta R.T. -0.006 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

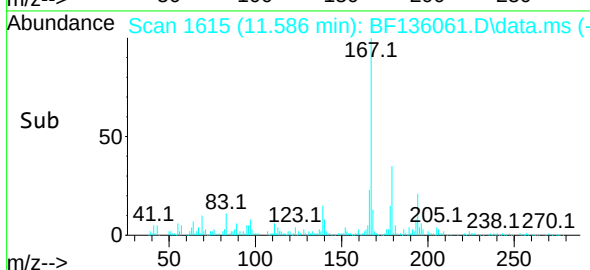
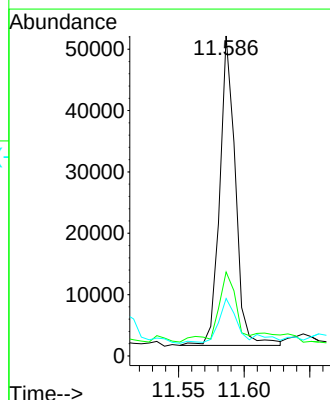
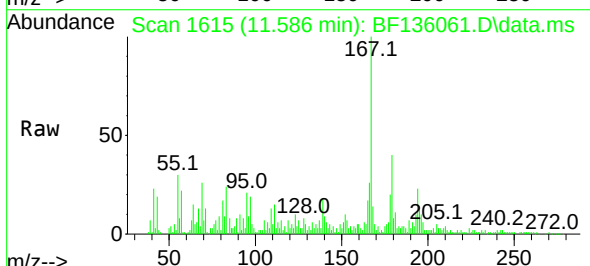
Tgt Ion:167 Resp: 41690

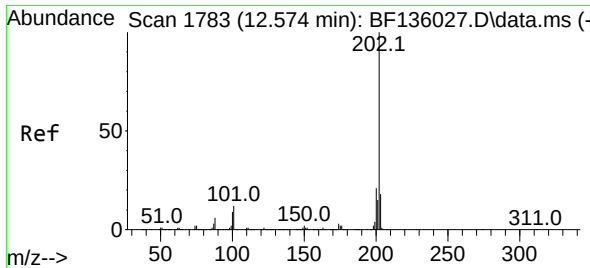
Ion Ratio Lower Upper

167 100

166 26.3 17.2 25.8#

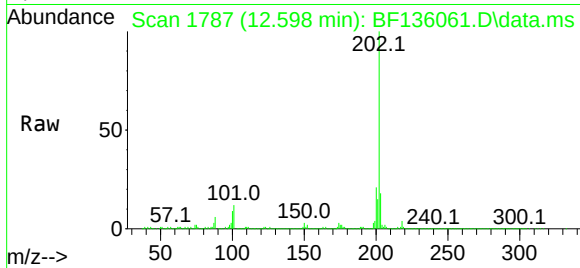
139 18.0 9.9 14.9#





#75
Fluoranthene
Concen: 107.434 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.024 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

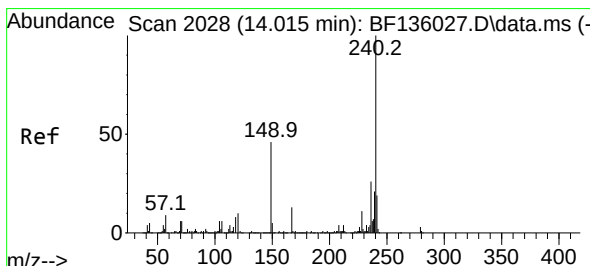
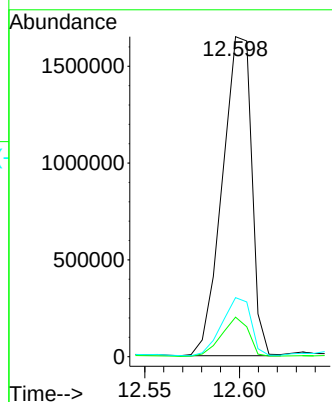
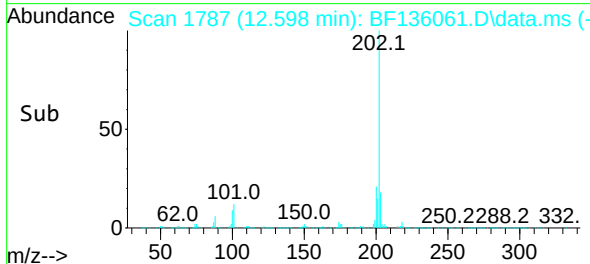
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:202 Resp: 177508
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.8
203 18.4 0.0 37.9

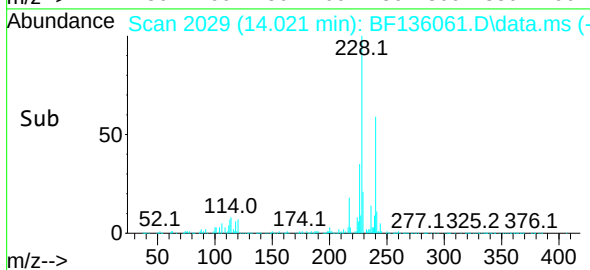
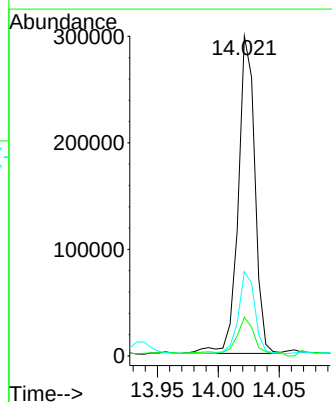
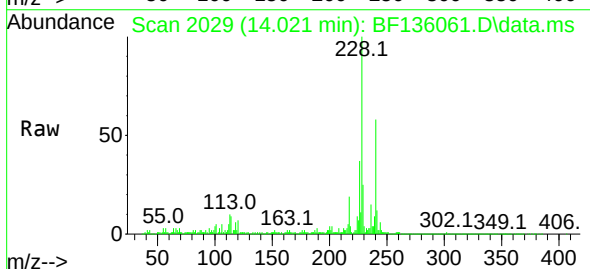
Manual Integrations
APPROVED

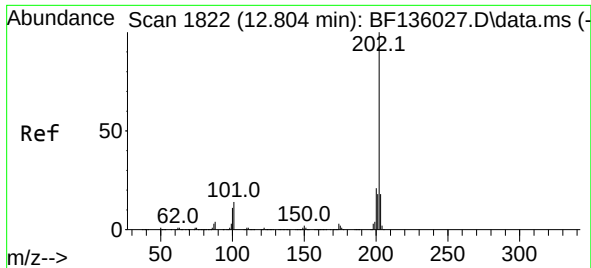
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

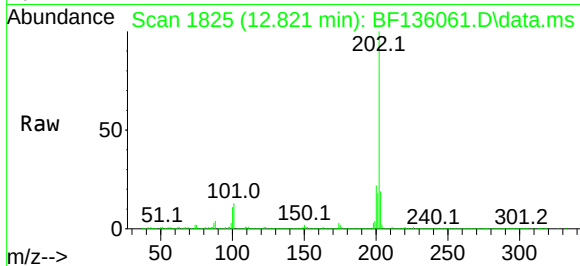
Tgt Ion:240 Resp: 283070
Ion Ratio Lower Upper
240 100
120 12.1 7.6 11.4#
236 26.4 20.6 31.0





#78
Pyrene
Concen: 95.756 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.018 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

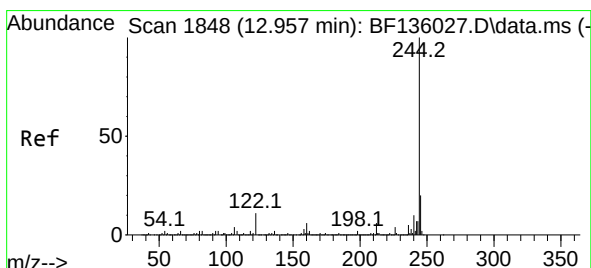
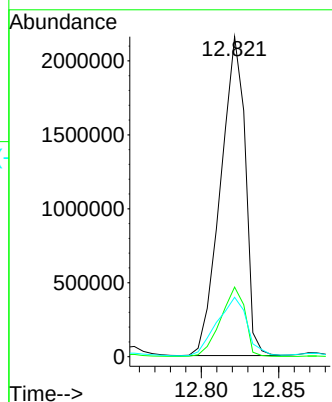
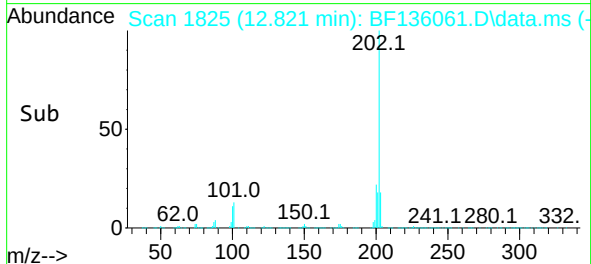
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:202 Resp: 238977
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.4
203 18.6 14.4 21.6

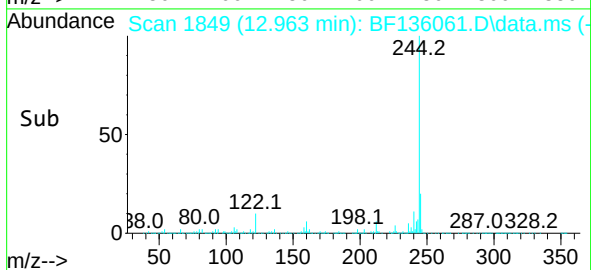
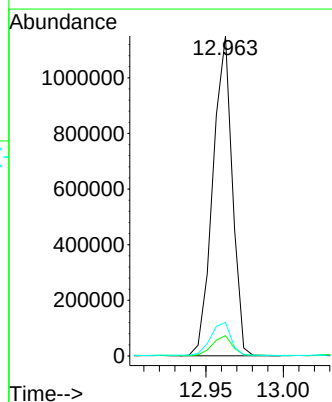
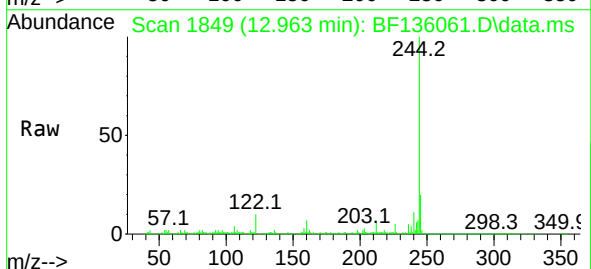
Manual Integrations
APPROVED

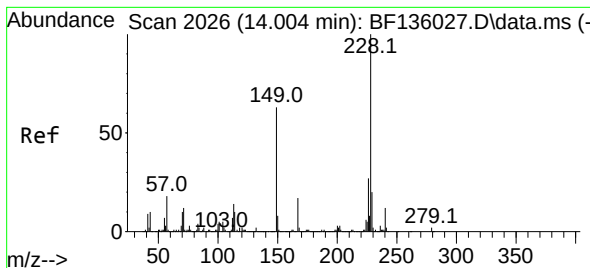
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#79
Terphenyl-d14
Concen: 54.943 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.006 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:244 Resp: 1000807
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 10.5 8.6 12.8





#81

Benzo(a)anthracene

Concen: 65.192 ng m

RT: 14.015 min Scan# 2026

Delta R.T. 0.012 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)

Tgt Ion:228 Resp: 1221690

Ion Ratio Lower Upper

228 100

226 35.6 21.5 32.3

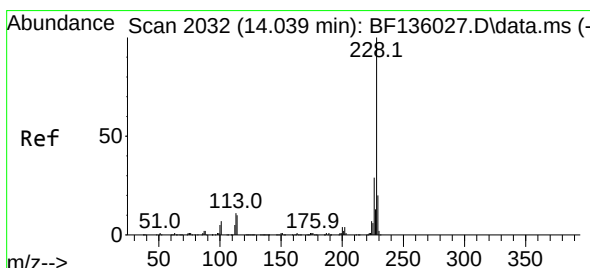
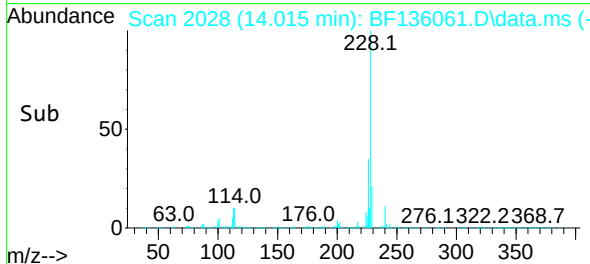
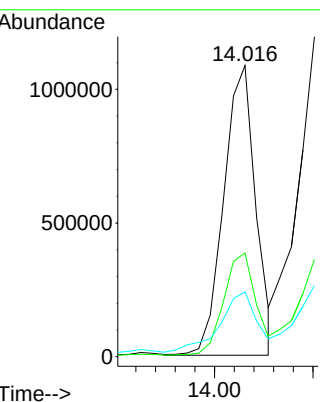
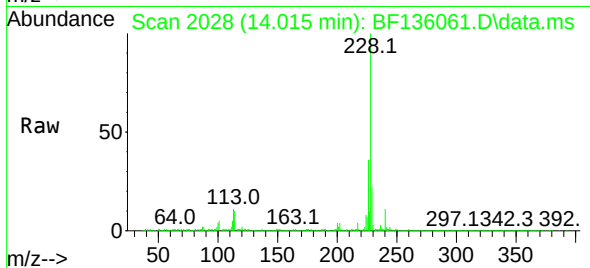
229 22.2 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#83

Chrysene

Concen: 65.477 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.012 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

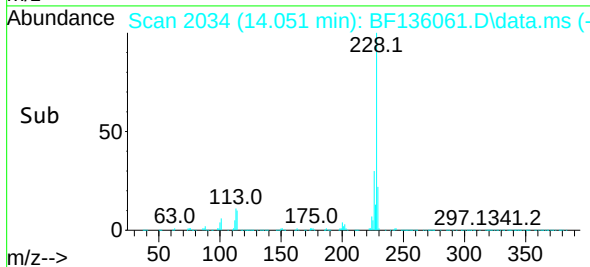
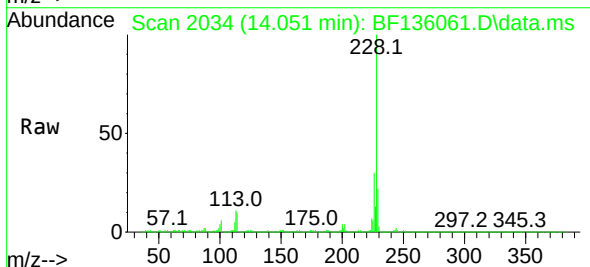
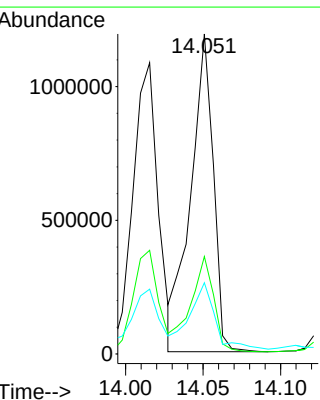
Tgt Ion:228 Resp: 1208421

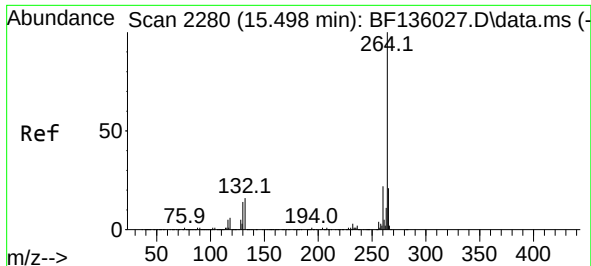
Ion Ratio Lower Upper

228 100

226 30.4 23.5 35.3

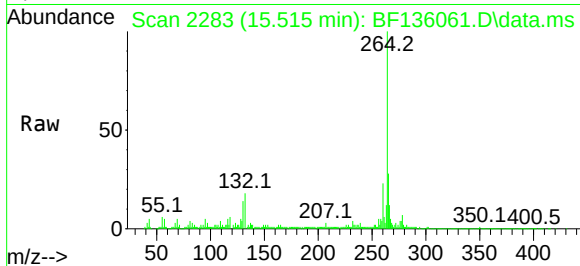
229 22.2 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

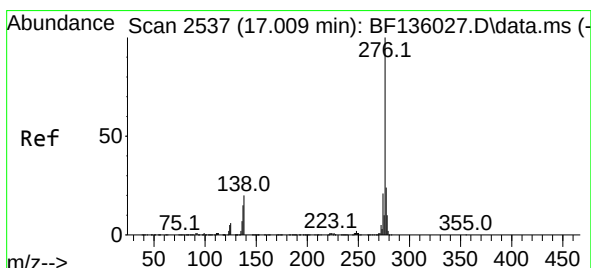
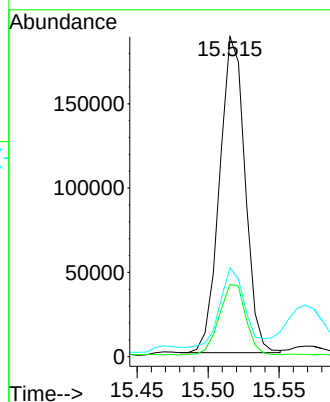
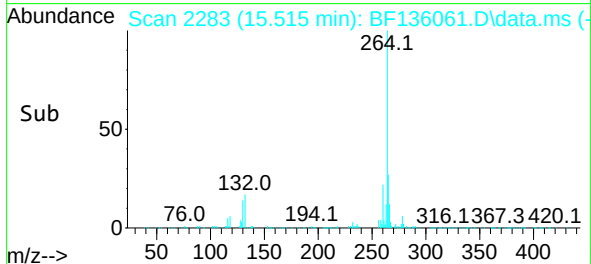
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:264 Resp: 233630
Ion Ratio Lower Upper
264 100
260 22.6 17.9 26.9
265 27.7 16.8 25.2

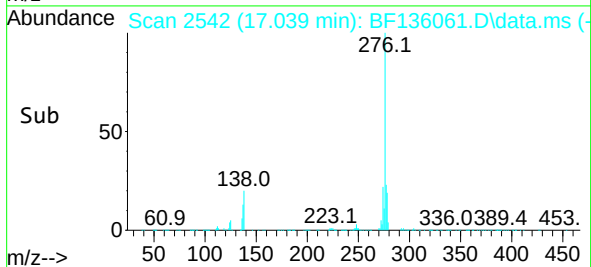
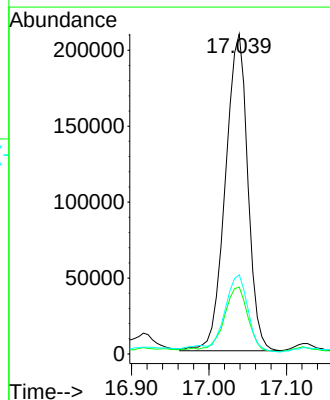
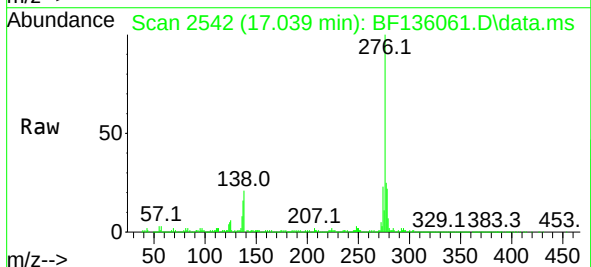
Manual Integrations
APPROVED

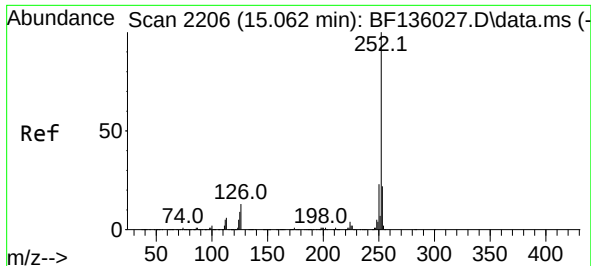
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 27.555 ng
RT: 17.039 min Scan# 2542
Delta R.T. 0.030 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

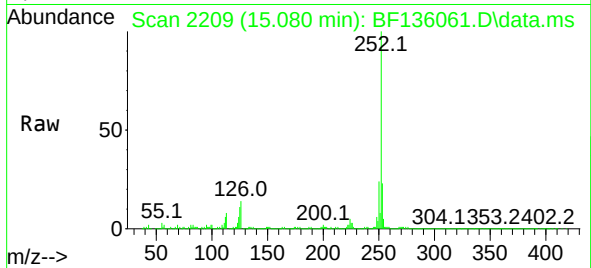
Tgt Ion:276 Resp: 420753
Ion Ratio Lower Upper
276 100
138 22.2 20.4 30.6
277 24.8 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 71.149 ng m
RT: 15.080 min Scan# 2114
Delta R.T. 0.018 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

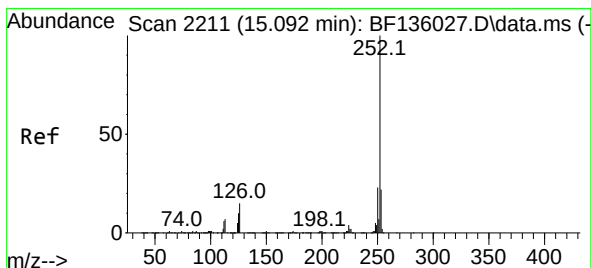
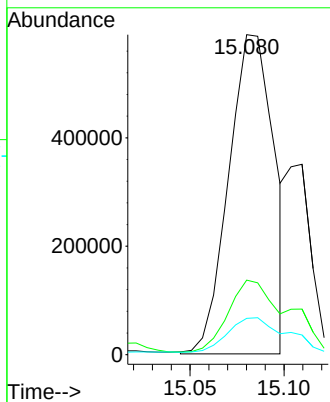
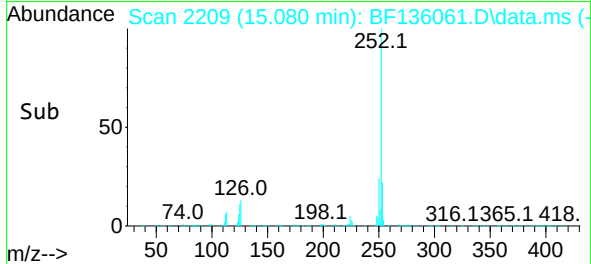
Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:252 Resp: 983610
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 11.4 7.5 11.3

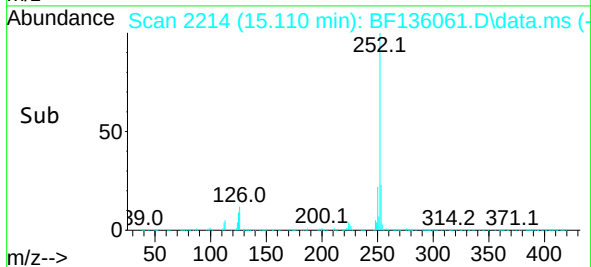
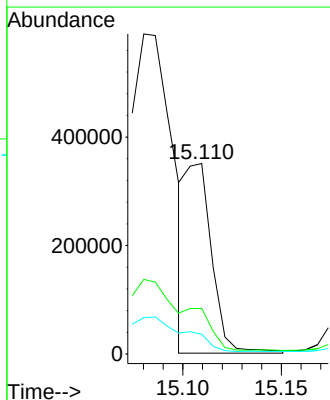
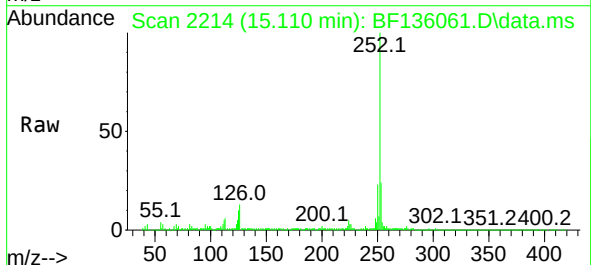
Manual Integrations
APPROVED

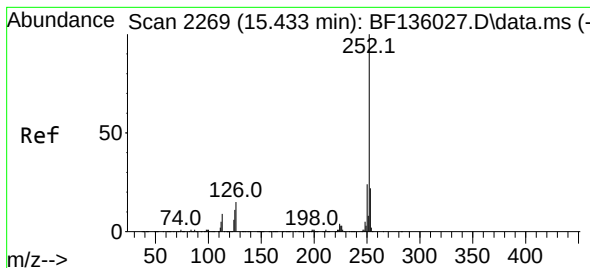
Reviewed By :Yogesh Patel 11/01/2023
Supervised By :mohammad ahmed 11/01/2023



#89
Benzo(k)fluoranthene
Concen: 23.602 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.018 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Tgt Ion:252 Resp: 322849
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 10.3 8.0 12.0





#90

Benzo(a)pyrene

Concen: 66.848 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

Instrument :

BNA_F

ClientSampleId :

M-4(50FT)(0-5)

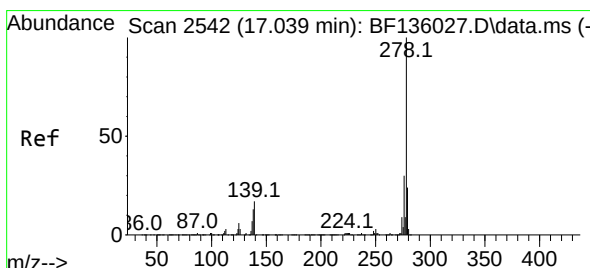
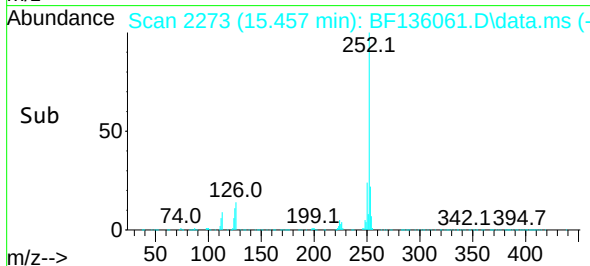
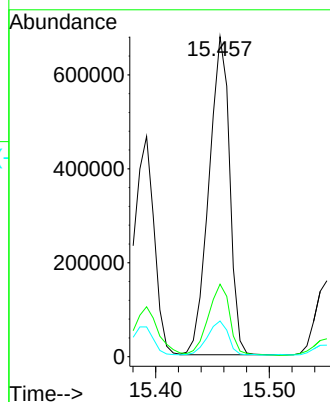
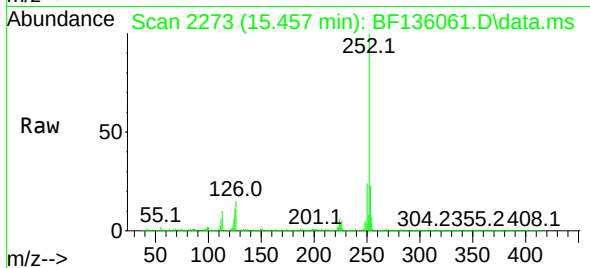
Tgt Ion:252 Resp: 85867
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.3 25.9
 125 11.2 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/01/2023

Supervised By :mohammad ahmed 11/01/2023



#91

Dibenzo(a,h)anthracene

Concen: 9.003 ng

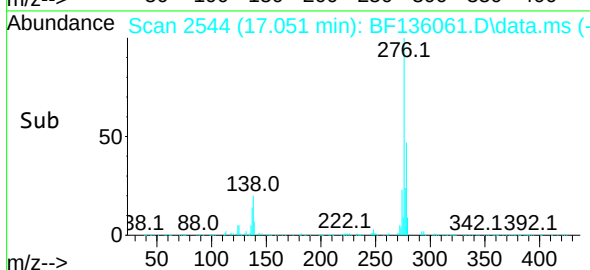
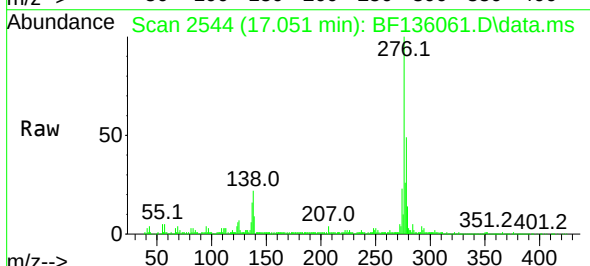
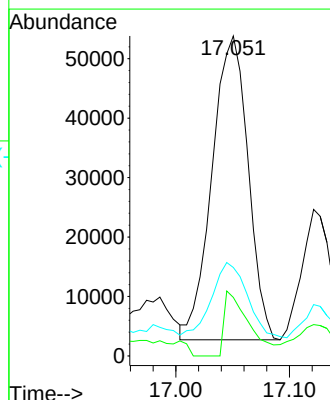
RT: 17.051 min Scan# 2544

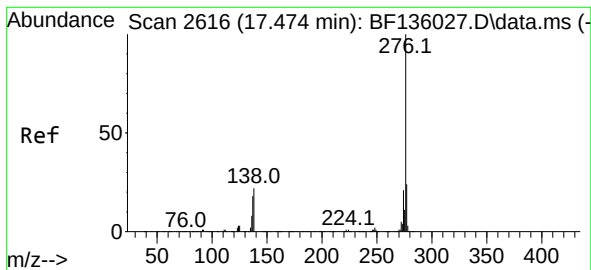
Delta R.T. 0.012 min

Lab File: BF136061.D

Acq: 31 Oct 2023 20:10

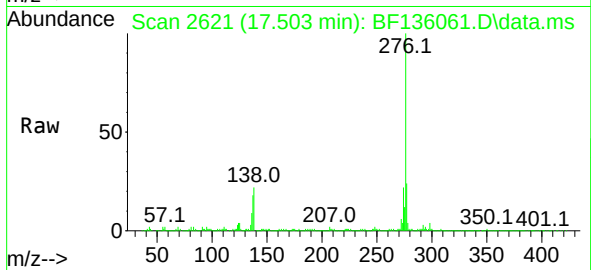
Tgt Ion:278 Resp: 112613
 Ion Ratio Lower Upper
 278 100
 139 18.3 13.7 20.5
 279 27.6 19.0 28.6





#92
Benzo(g,h,i)perylene
Concen: 32.541 ng
RT: 17.503 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF136061.D
Acq: 31 Oct 2023 20:10

Instrument :
BNA_F
ClientSampleId :
M-4(50FT)(0-5)



Tgt Ion:276 Resp: 449269
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 21.5 17.4 26.2

Manual Integrations
APPROVED

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

