

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136954.D
 Acq On : 04 Jan 2024 22:20
 Operator : CG\JU
 Sample : 05899-21DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-18-0-2DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 05 00:44:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	38794	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	149996	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	78095	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	145461	20.000	ng	0.00
76) Chrysene-d12	13.968	240	97397	20.000	ng	0.00
86) Perylene-d12	15.451	264	105857	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	23948	9.632	ng	0.00
7) Phenol-d6	6.434	99	28669	8.899	ng	0.00
23) Nitrobenzene-d5	7.339	82	18031	6.151	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	8530	9.274	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	42304	7.286	ng	-0.02
79) Terphenyl-d14	12.904	244	43779	6.281	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	171339	20.793	ng	98
37) 2-Methylnaphthalene	8.769	142	93425	17.617	ng	96
46) 1,1'-Biphenyl	9.233	154	19265	2.940	ng	98
52) Acenaphthene	9.845	154	67234	14.244	ng	99
55) Dibenzofuran	10.022	168	173625	24.265	ng	96
58) Fluorene	10.369	166	339742	59.840	ng	99
71) Phenanthrene	11.339	178	879338	117.815	ng	99
72) Anthracene	11.410	178	3445651	455.850	ng	98
73) Carbazole	11.563	167	1423172	199.701	ng	100
75) Fluoranthene	12.533	202	494343	61.920	ng	98
78) Pyrene	12.763	202	345342	36.119	ng	99
81) Benzo(a)anthracene	13.957	228	124751	18.446	ng	99
83) Chrysene	13.992	228	153680	23.237	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	196816	44.963	ng	99
87) Indeno(1,2,3-cd)pyrene	16.962	276	23756	3.108	ng	98
88) Benzo(b)fluoranthene	15.015	252	91516m	12.944	ng	
89) Benzo(k)fluoranthene	15.039	252	30678m	4.592	ng	
90) Benzo(a)pyrene	15.386	252	47306	7.927	ng	96
92) Benzo(g,h,i)perylene	17.421	276	18827	2.932	ng	# 91

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

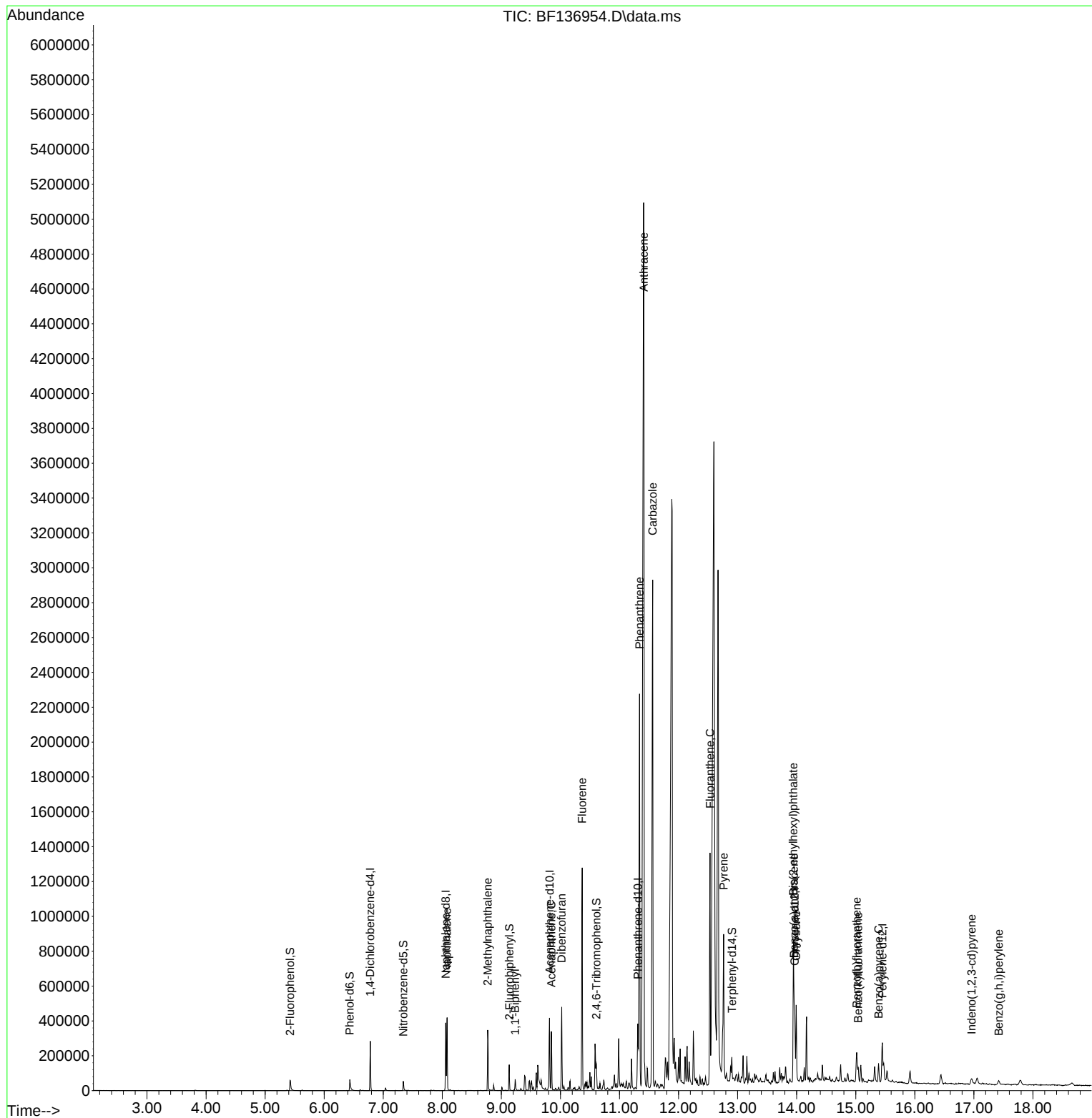
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
Data File : BF136954.D
Acq On : 04 Jan 2024 22:20
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Sample : 05899-21DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

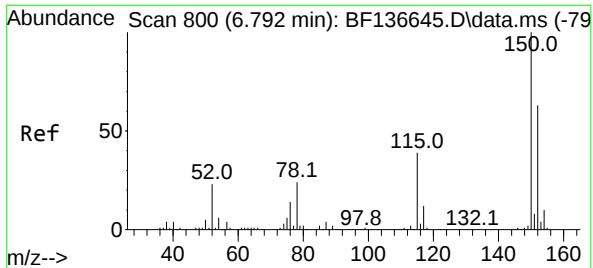
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL

Quant Time: Jan 05 00:44:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

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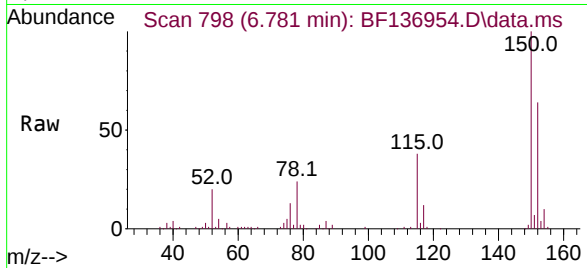
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

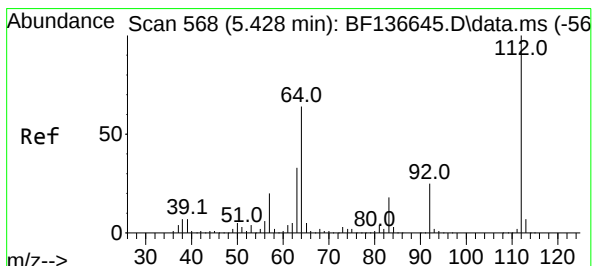
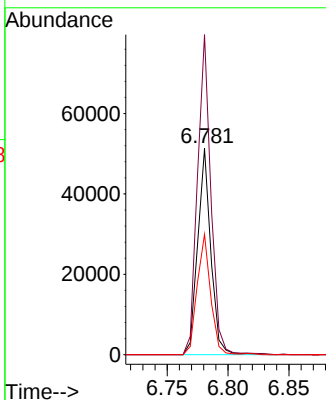
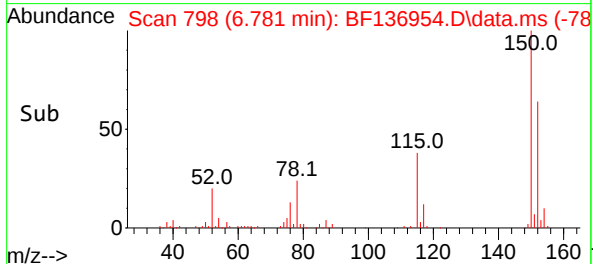
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL



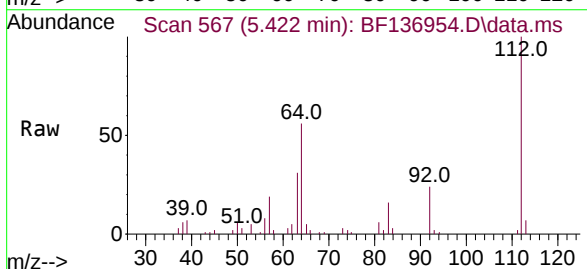
Tgt Ion:152 Resp: 38794
Ion Ratio Lower Upper
152 100
150 155.1 127.0 190.6
115 58.4 49.0 73.4

Manual Integrations
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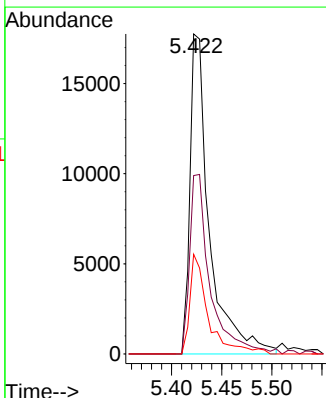
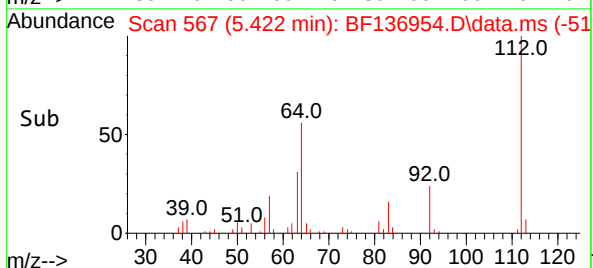
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

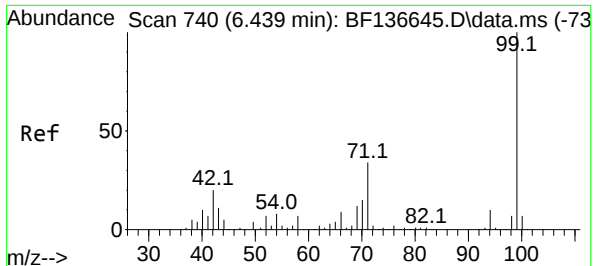


#5
2-Fluorophenol
Concen: 9.632 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20



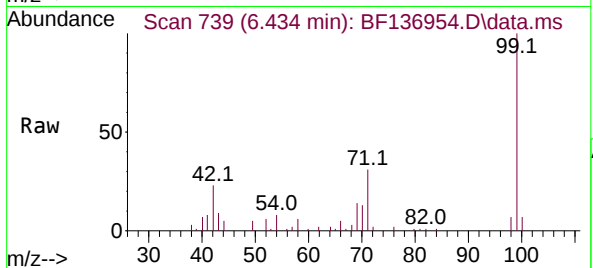
Tgt Ion:112 Resp: 23948
Ion Ratio Lower Upper
112 100
64 55.7 51.1 76.7
63 31.2 26.1 39.1





#7
Phenol-d6
Concen: 8.899 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

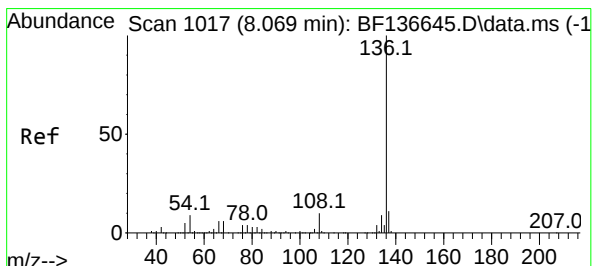
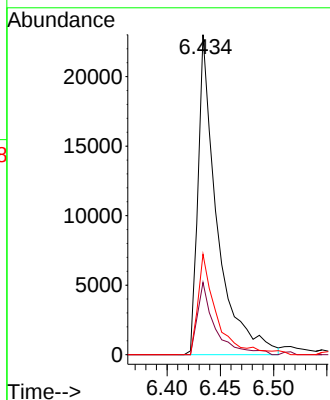
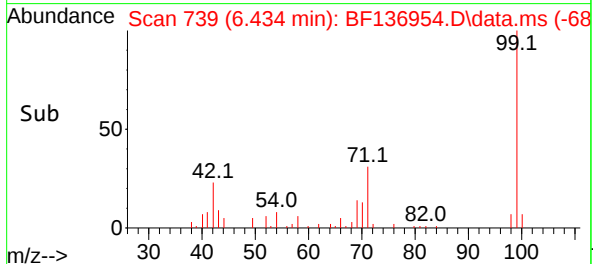
Instrument :
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ClientSampleId :
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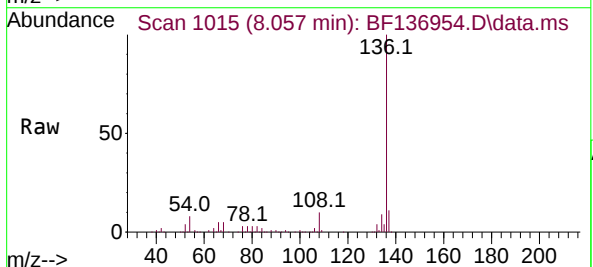
Tgt Ion: 99 Resp: 28669
Ion Ratio Lower Upper
99 100
42 22.6 16.1 24.1
71 31.4 27.4 41.2

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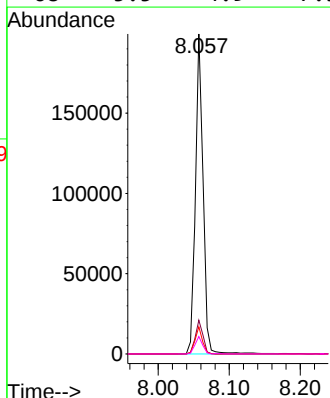
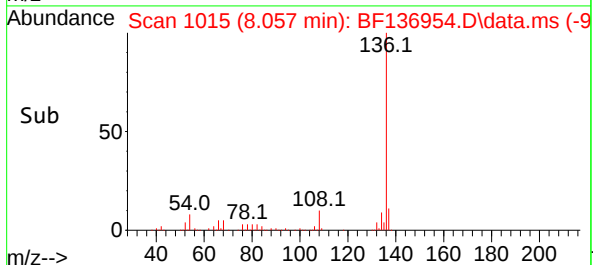
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20



Tgt Ion:136 Resp: 149996
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.5 7.2 10.8
68 5.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 6.151 ng
RT: 7.339 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

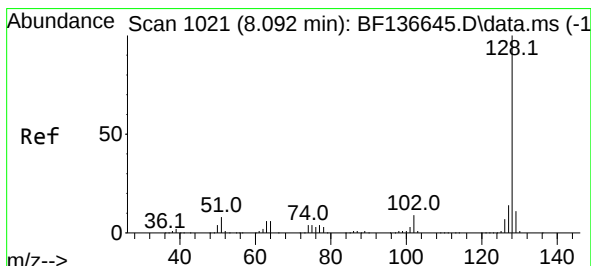
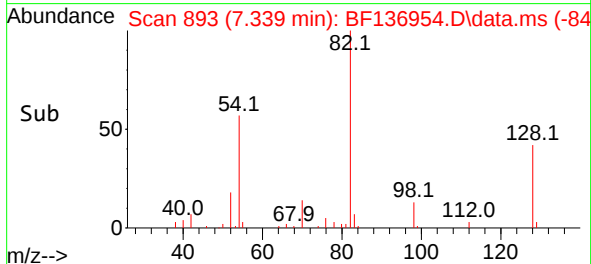
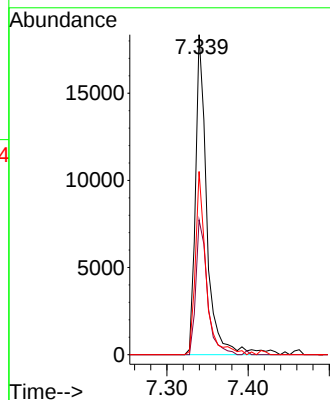
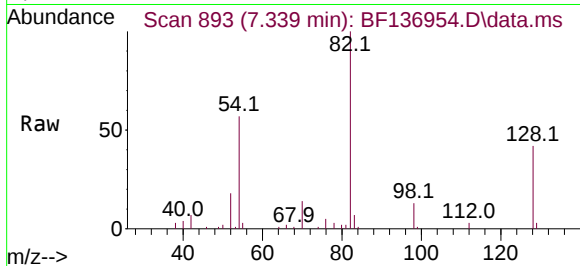
ClientSampleId :

GHL-SS-18-0-2DL

Tgt Ion: 82 Resp: 1803
Ion Ratio Lower Upper
82 100
128 42.2 35.3 52.9
54 57.3 44.5 66.7

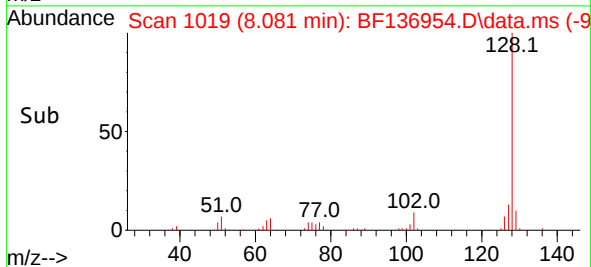
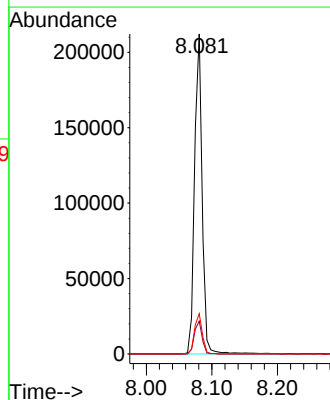
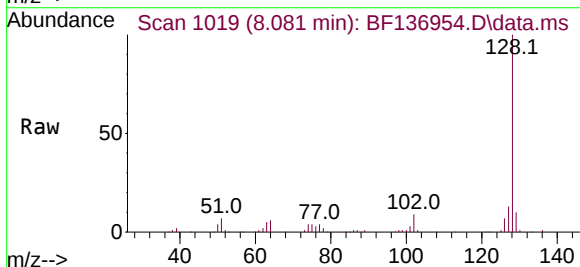
Manual Integrations
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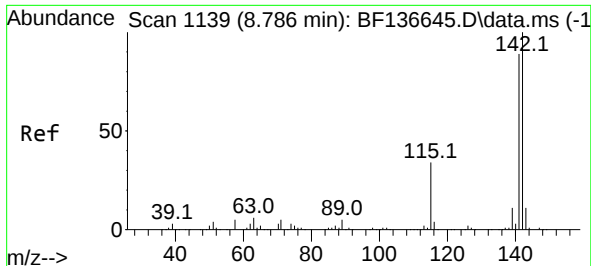
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#31
Naphthalene
Concen: 20.793 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Tgt Ion:128 Resp: 171339
Ion Ratio Lower Upper
128 100
129 10.3 8.7 13.1
127 12.6 10.8 16.2





#37
2-Methylnaphthalene
Concen: 17.617 ng
RT: 8.769 min Scan# 1139
Delta R.T. -0.018 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

ClientSampleId :

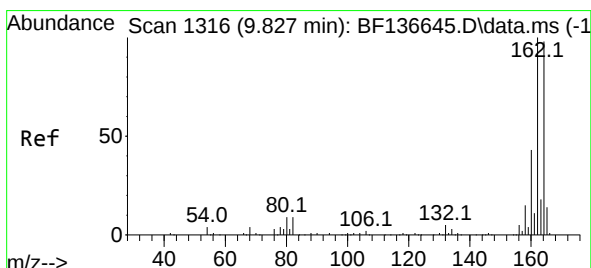
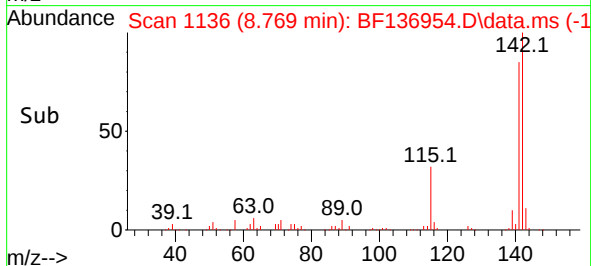
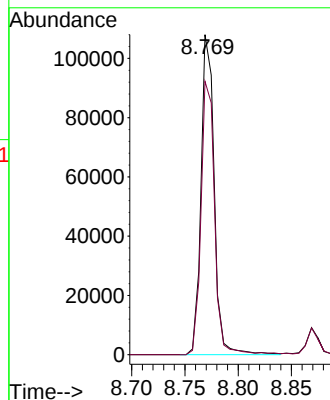
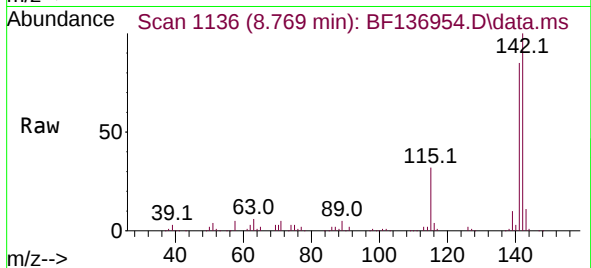
GHL-SS-18-0-2DL

Tgt Ion:142 Resp: 93425
Ion Ratio Lower Upper
142 100
141 85.4 71.1 106.7

Manual Integrations

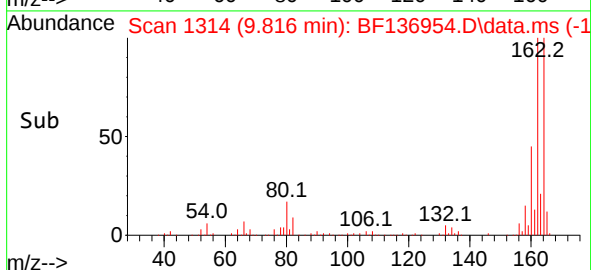
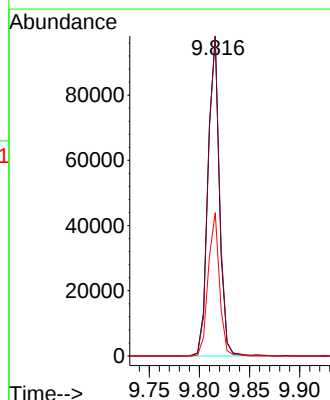
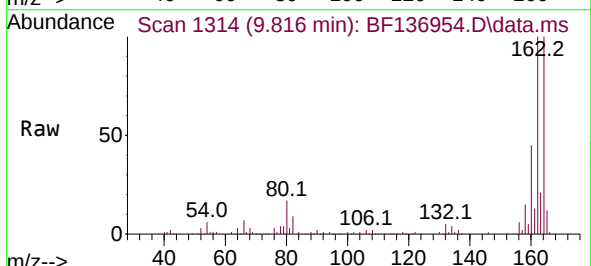
APPROVED

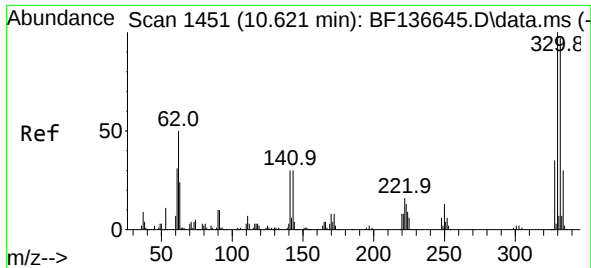
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Tgt Ion:164 Resp: 78095
Ion Ratio Lower Upper
164 100
162 100.1 81.6 122.4
160 44.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 9.274 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

ClientSampleId :

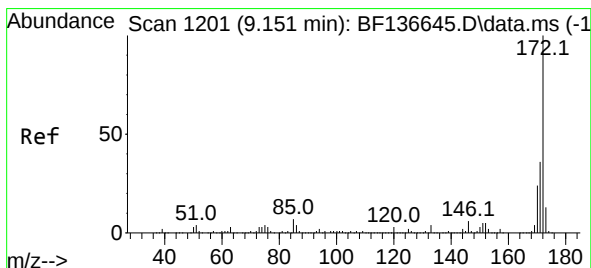
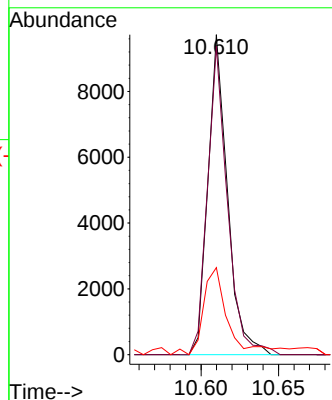
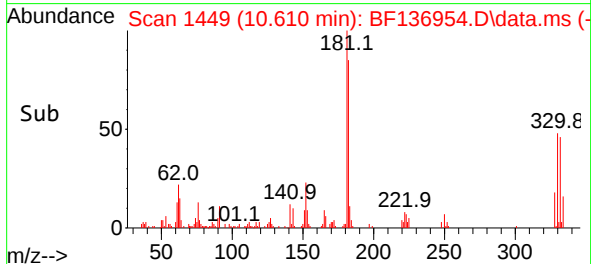
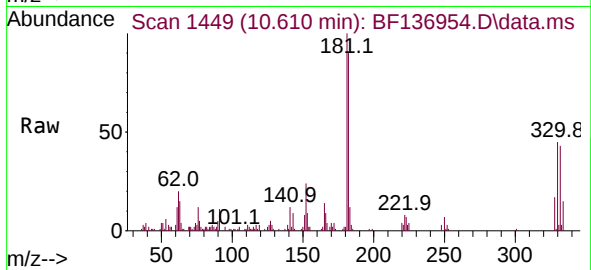
GHL-SS-18-0-2DL

Tgt Ion: 330 Resp: 8530
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 34.9 23.4 35.2

Manual Integrations

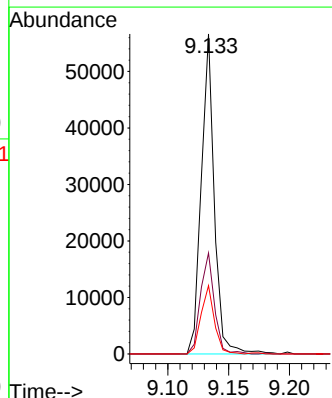
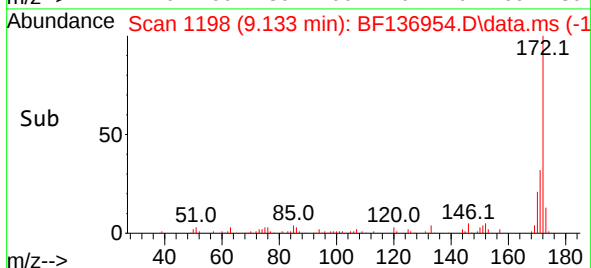
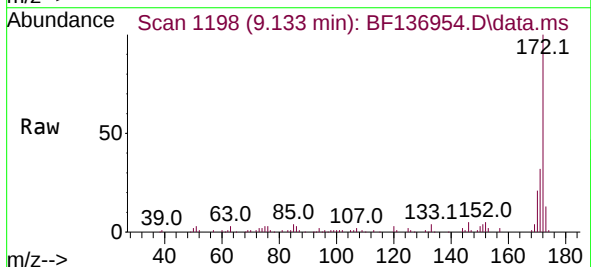
APPROVED

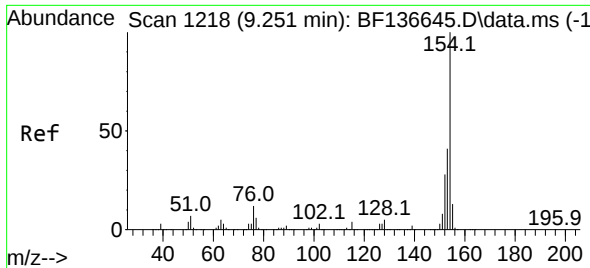
Reviewed By : Yogesh Patel 01/05/2024
Supervised By : mohammad ahmed 01/05/2024



#45
2-Fluorobiphenyl
Concen: 7.286 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

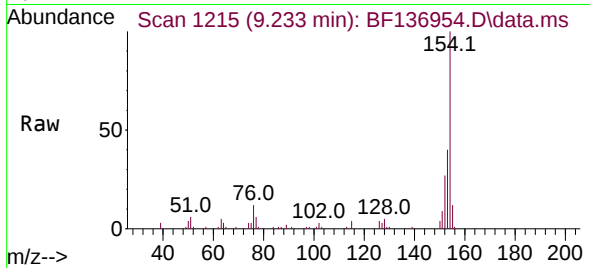
Tgt Ion: 172 Resp: 42304
Ion Ratio Lower Upper
172 100
171 31.6 29.0 43.6
170 21.3 19.0 28.4





#46
1,1'-Biphenyl
Concen: 2.940 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

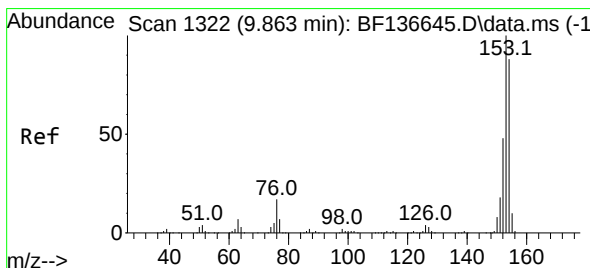
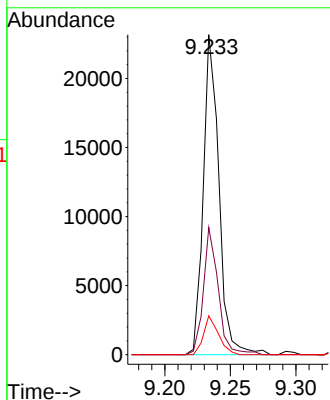
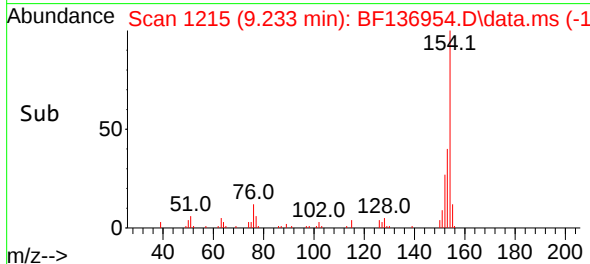
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL



Tgt Ion:154 Resp: 1926
Ion Ratio Lower Upper
154 100
153 39.8 21.1 61.1
76 12.2 0.0 31.7

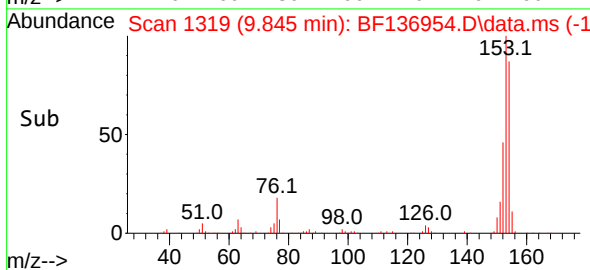
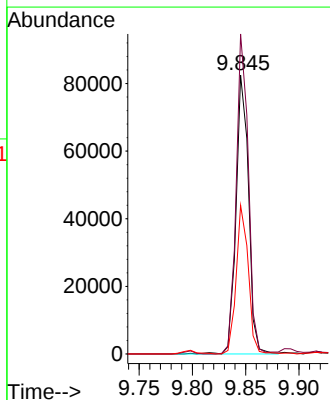
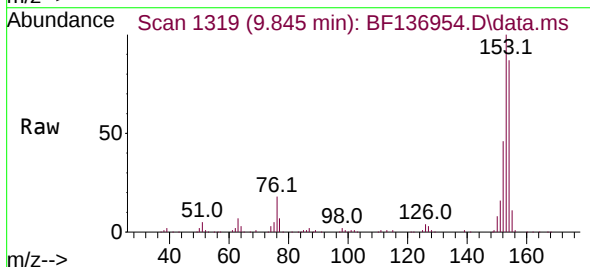
Manual Integrations
APPROVED

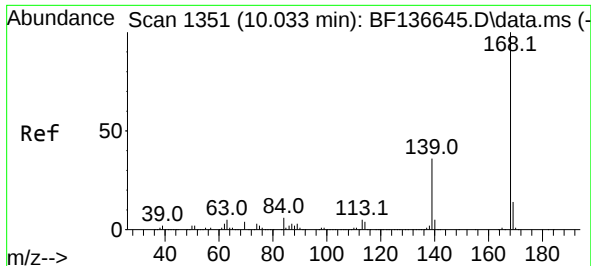
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#52
Acenaphthene
Concen: 14.244 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

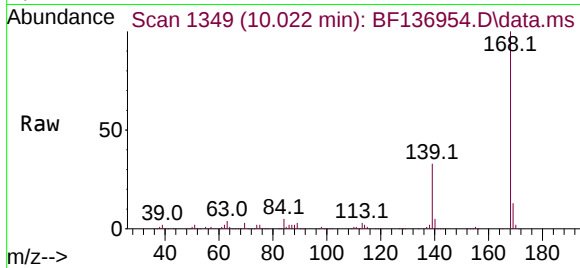
Tgt Ion:154 Resp: 67234
Ion Ratio Lower Upper
154 100
153 114.7 90.7 136.1
152 53.3 43.7 65.5





#55
Dibenzenofuran
Concen: 24.265 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

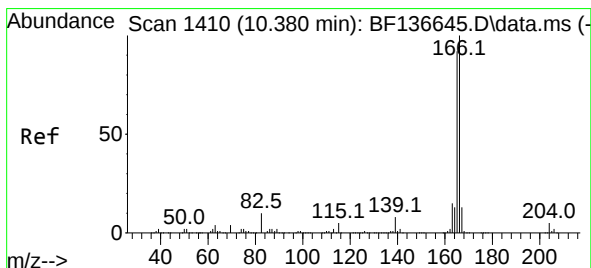
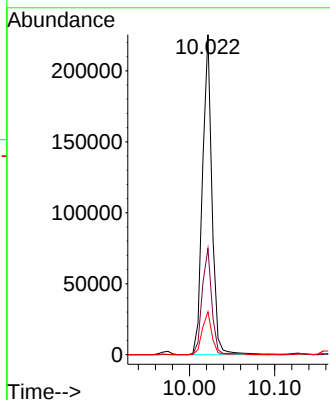
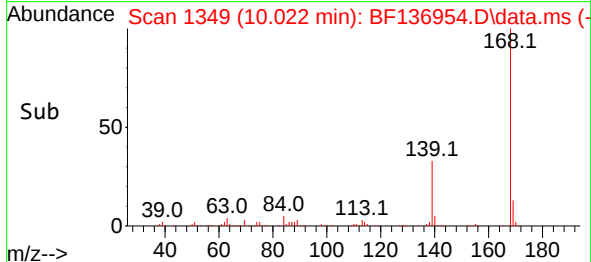
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL



Tgt Ion:168 Resp: 173629
Ion Ratio Lower Upper
168 100
139 33.2 29.3 43.9
169 13.4 11.0 16.4

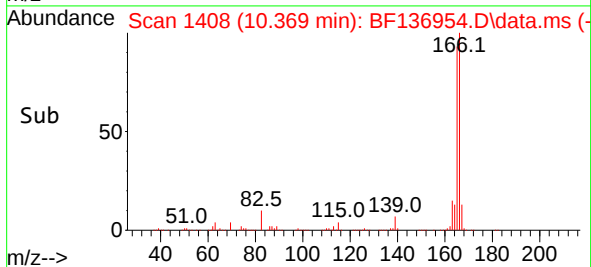
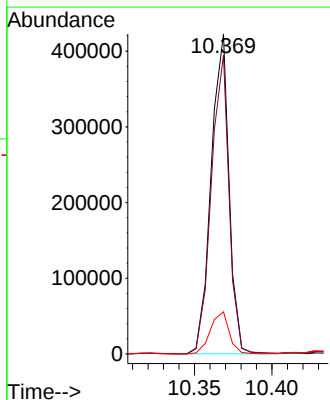
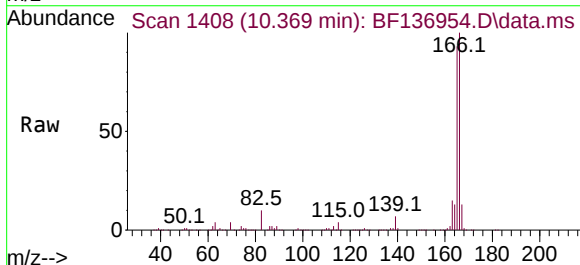
Manual Integrations
APPROVED

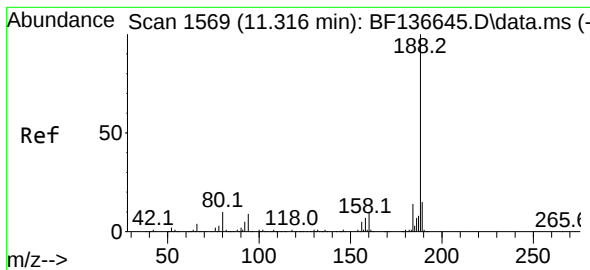
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#58
Fluorene
Concen: 59.840 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Tgt Ion:166 Resp: 339742
Ion Ratio Lower Upper
166 100
165 93.4 73.7 110.5
167 13.1 10.4 15.6





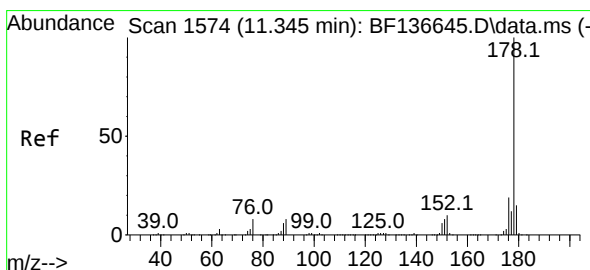
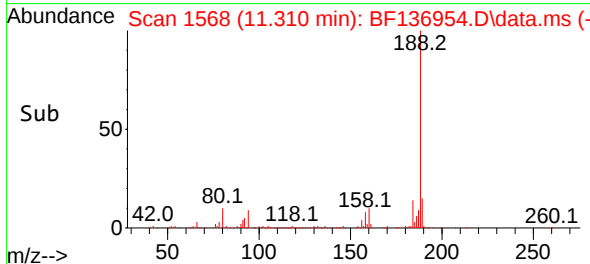
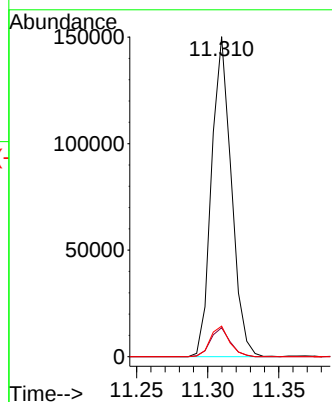
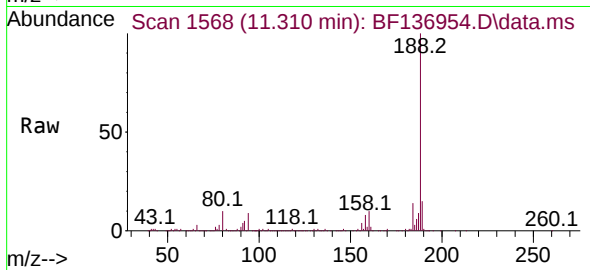
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL

Tgt Ion:188 Resp: 14546
Ion Ratio Lower Upper
188 100
94 9.0 7.5 11.3
80 9.5 8.1 12.1

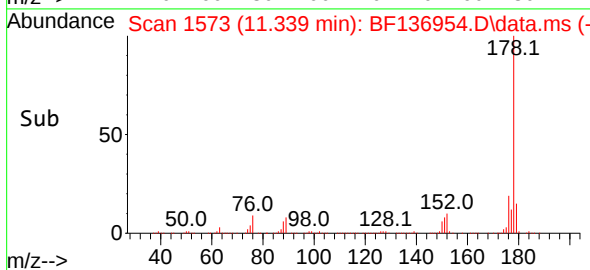
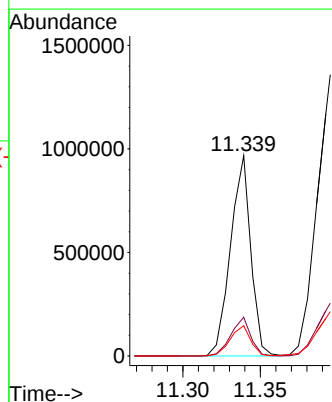
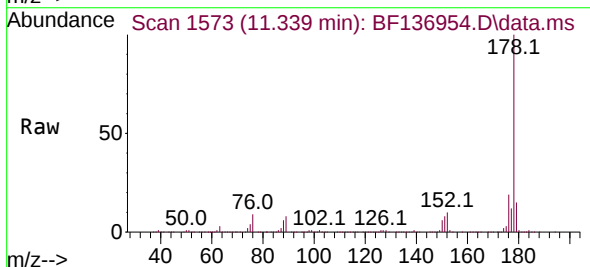
Manual Integrations
APPROVED

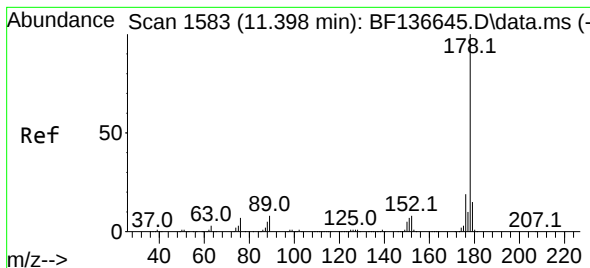
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#71
Phenanthrene
Concen: 117.815 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Tgt Ion:178 Resp: 879338
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.1 11.9 17.9





#72

Anthracene

Concen: 455.850 ng

RT: 11.410 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF136954.D

Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-0-2DL

Tgt Ion:178 Resp: 344565

Ion Ratio Lower Upper

178 100

176 19.5 14.9 22.3

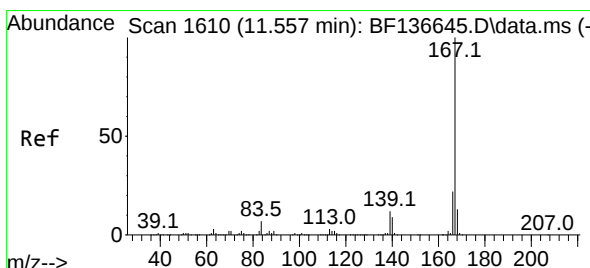
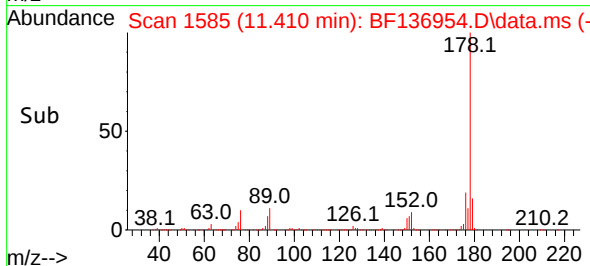
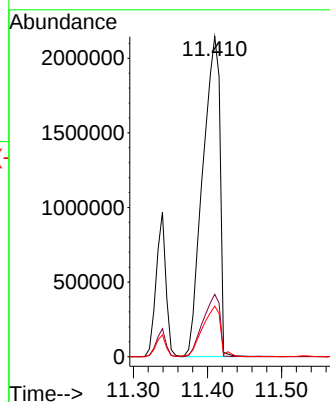
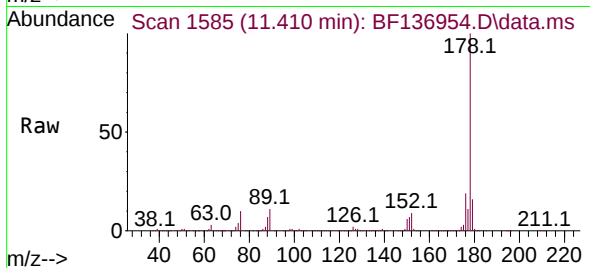
179 15.8 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#73

Carbazole

Concen: 199.701 ng

RT: 11.563 min Scan# 1611

Delta R.T. 0.006 min

Lab File: BF136954.D

Acq: 04 Jan 2024 22:20

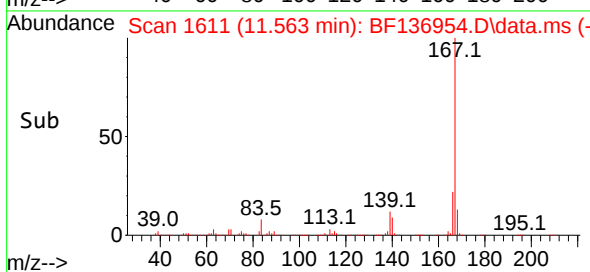
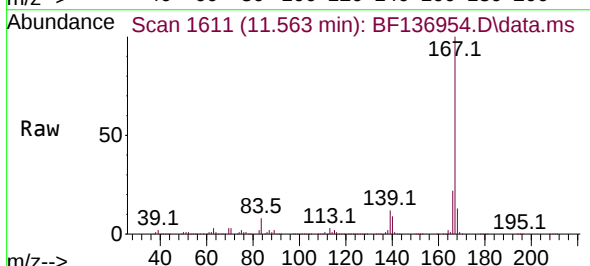
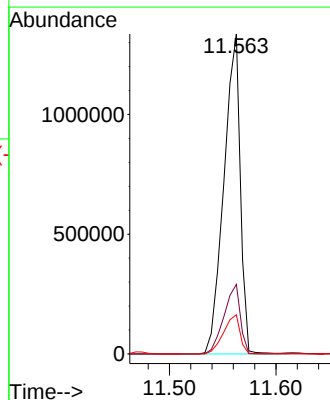
Tgt Ion:167 Resp: 1423172

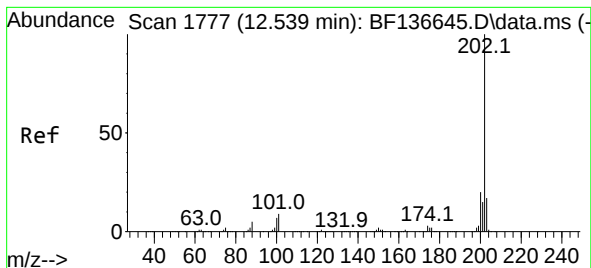
Ion Ratio Lower Upper

167 100

166 21.7 17.3 25.9

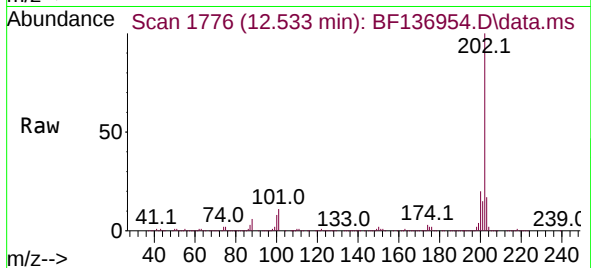
139 12.2 9.8 14.6





#75
Fluoranthene
Concen: 61.920 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

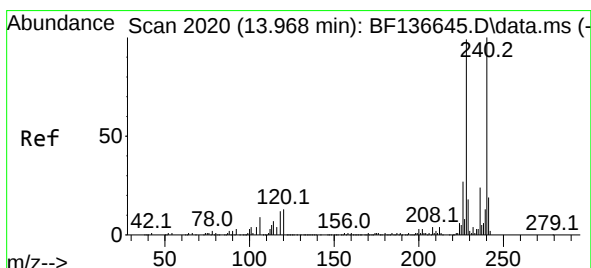
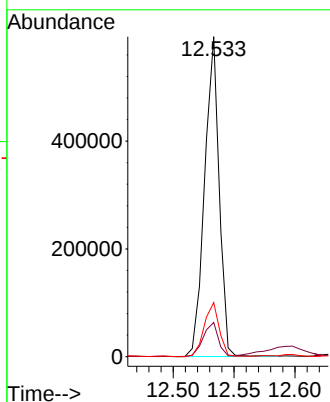
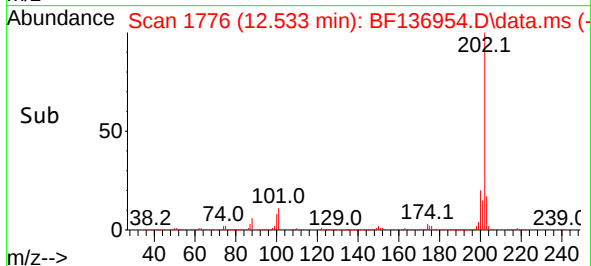
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL



Tgt Ion:202 Resp: 49434
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.3
203 16.9 0.0 37.1

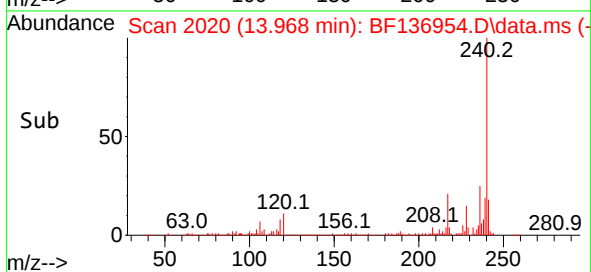
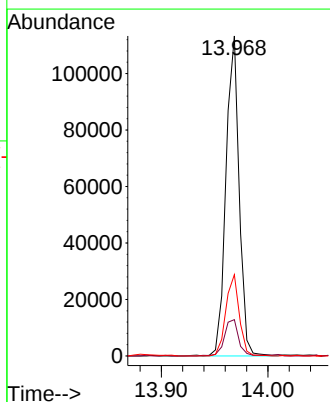
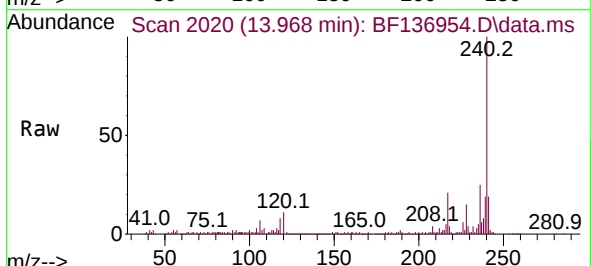
Manual Integrations
APPROVED

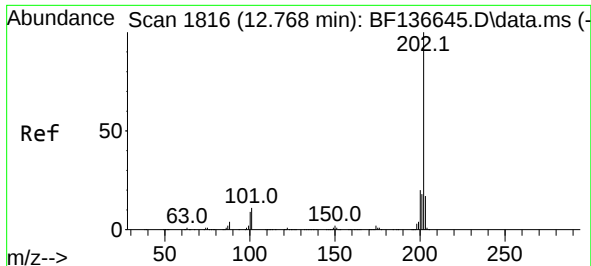
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Tgt Ion:240 Resp: 97397
Ion Ratio Lower Upper
240 100
120 11.3 10.3 15.5
236 25.4 19.4 29.2





#78
 Pyrene
 Concen: 36.119 ng
 RT: 12.763 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF136954.D
 Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

ClientSampleId :

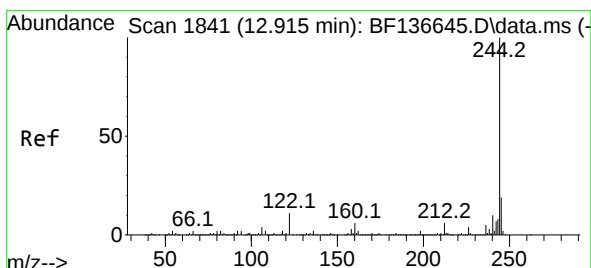
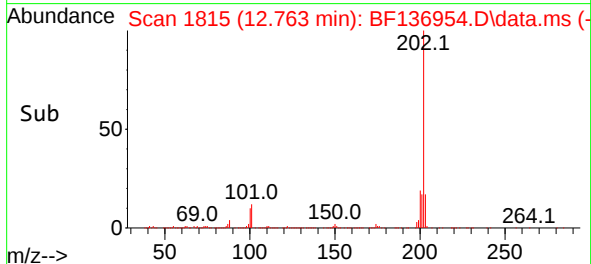
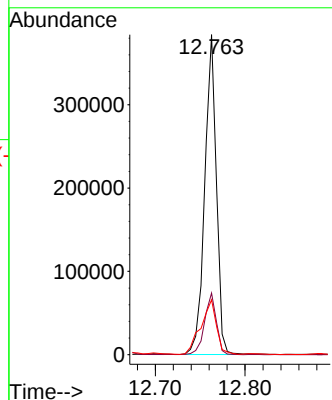
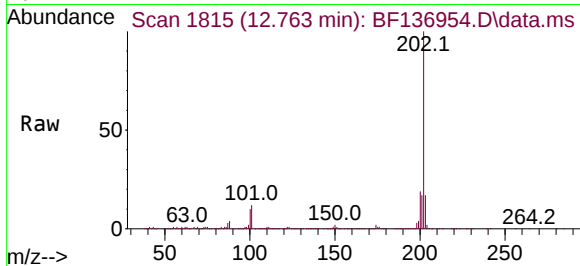
GHL-SS-18-0-2DL

Tgt Ion:202 Resp: 34534
 Ion Ratio Lower Upper
 202 100
 200 19.2 15.9 23.9
 203 17.2 13.8 20.6

Manual Integrations

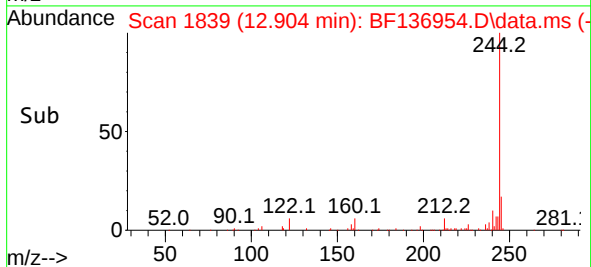
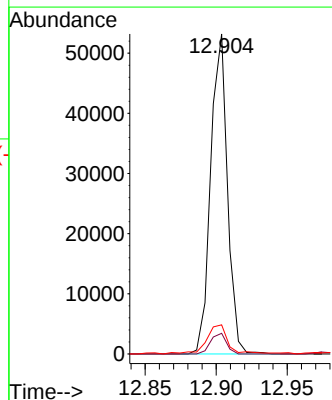
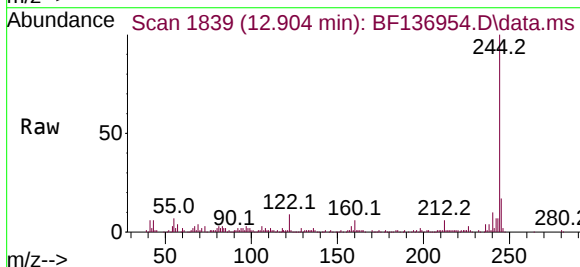
APPROVED

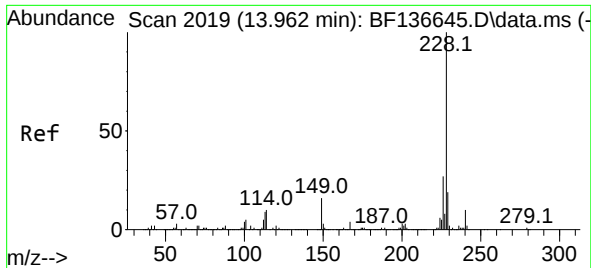
Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024



#79
 Terphenyl-d14
 Concen: 6.281 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136954.D
 Acq: 04 Jan 2024 22:20

Tgt Ion:244 Resp: 43779
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 9.1 9.0 13.4





#81
Benzo(a)anthracene
Concen: 18.446 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

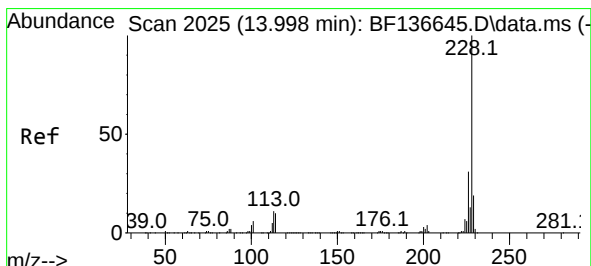
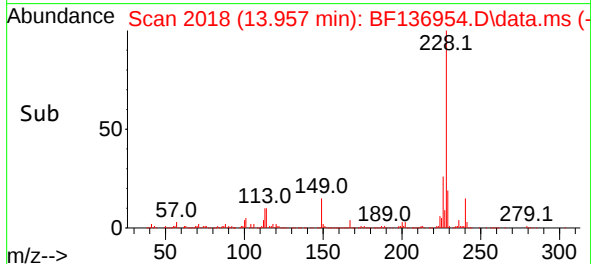
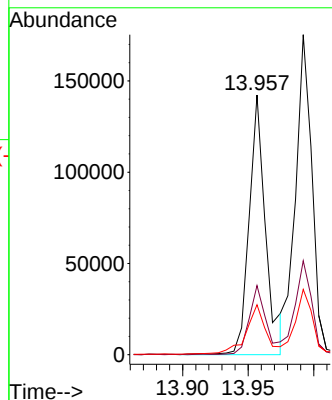
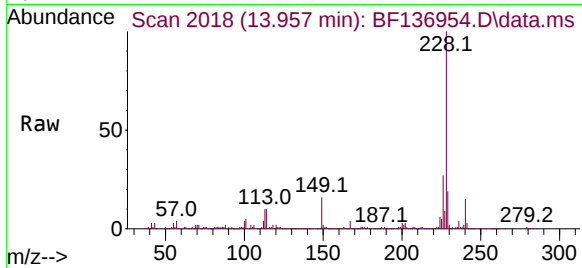
ClientSampleId :

GHL-SS-18-0-2DL

Tgt Ion:228 Resp: 12475
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.0
229 19.2 14.9 22.3

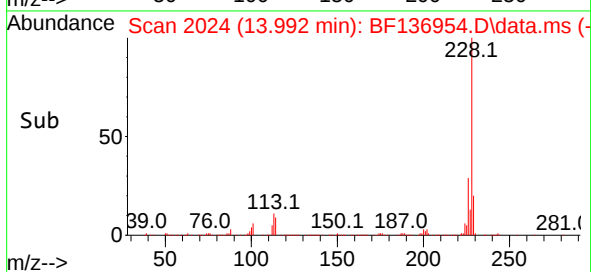
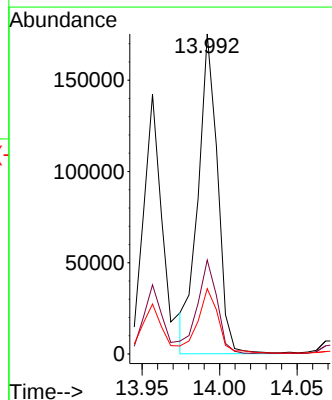
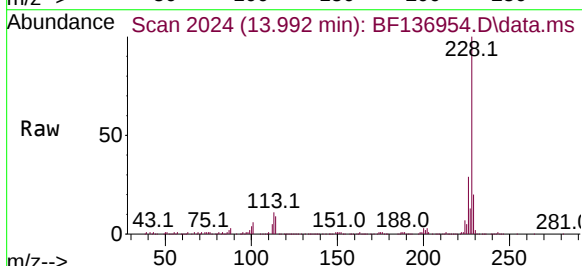
Manual Integrations
APPROVED

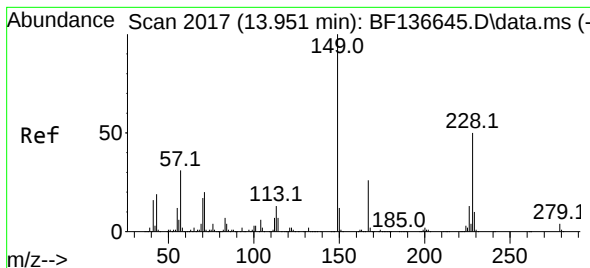
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#83
Chrysene
Concen: 23.237 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

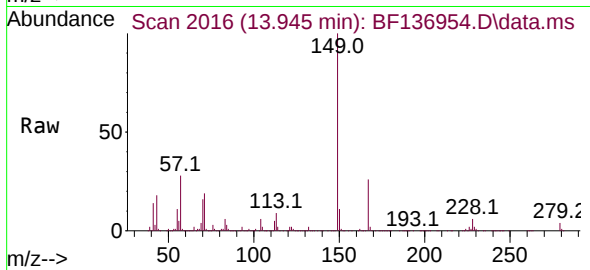
Tgt Ion:228 Resp: 153680
Ion Ratio Lower Upper
228 100
226 29.3 24.7 37.1
229 20.4 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 44.963 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

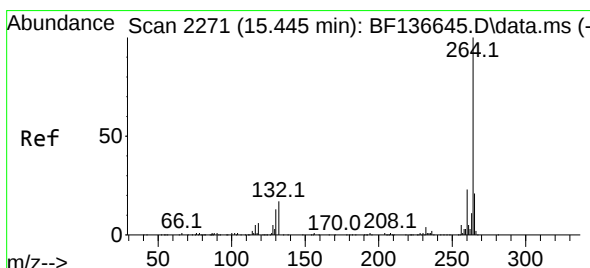
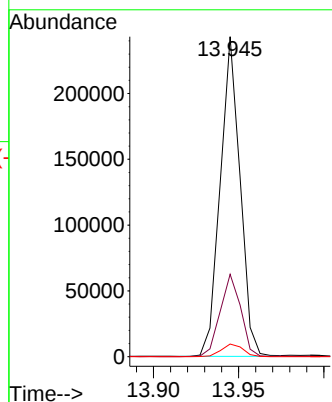
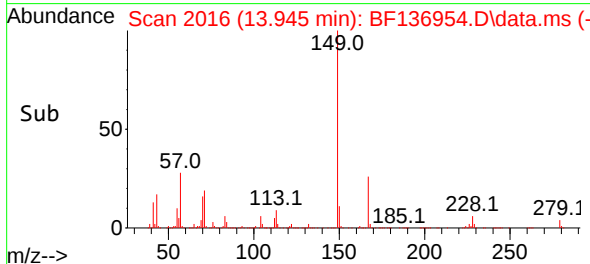
Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL



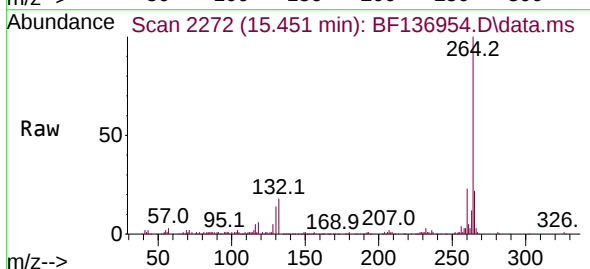
Tgt Ion:149 Resp: 196810
Ion Ratio Lower Upper
149 100
167 25.8 20.9 31.3
279 4.0 2.9 4.3

Manual Integrations
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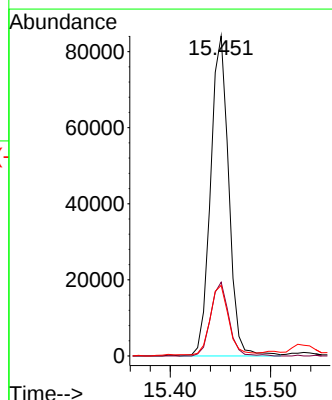
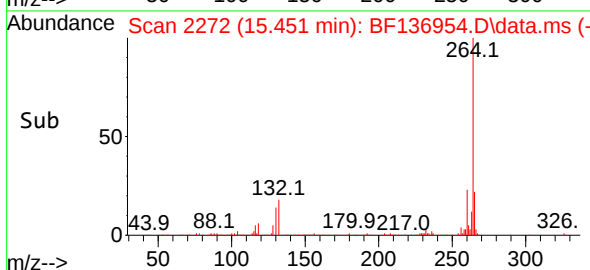
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

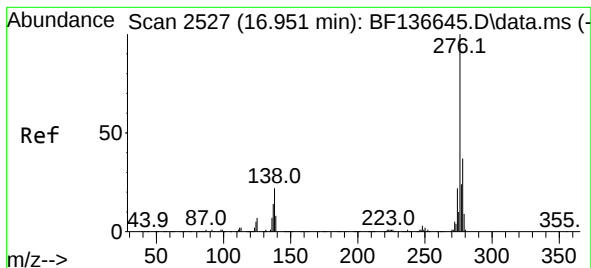


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20



Tgt Ion:264 Resp: 105857
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 22.1 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.108 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136954.D

Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-0-2DL

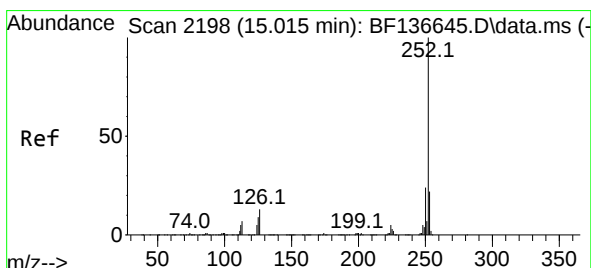
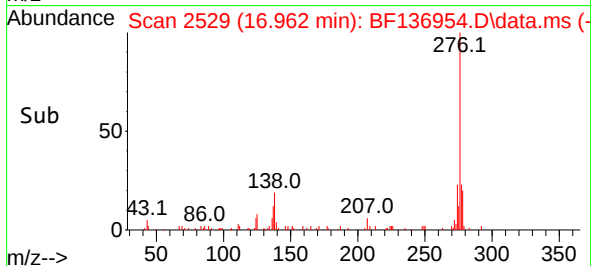
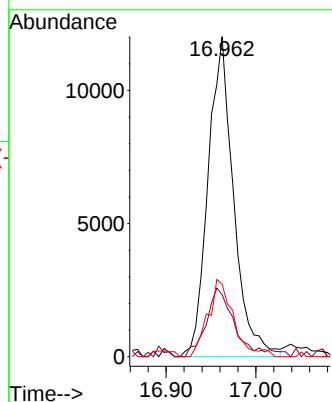
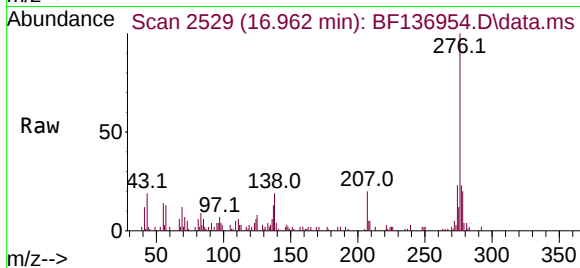
Tgt Ion:276 Resp: 23750
 Ion Ratio Lower Upper
 276 100
 138 24.3 18.7 28.1
 277 24.2 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#88

Benzo(b)fluoranthene

Concen: 12.944 ng m

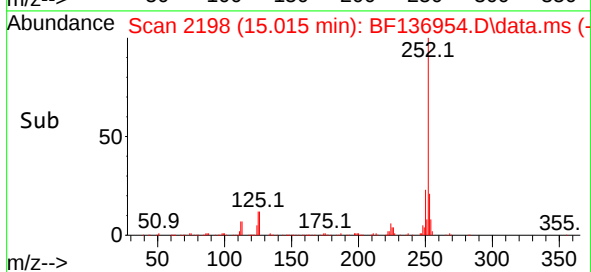
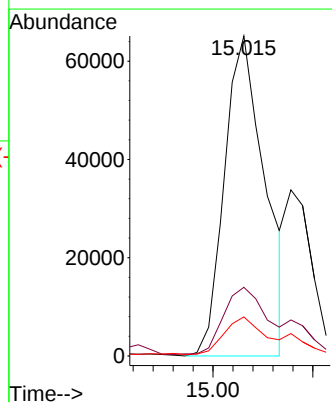
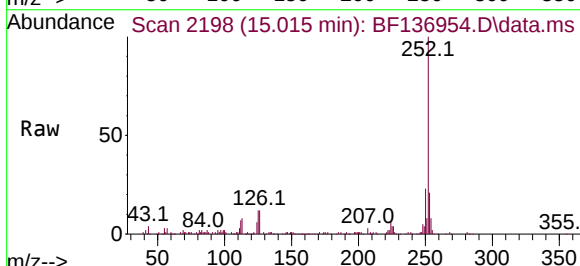
RT: 15.015 min Scan# 2198

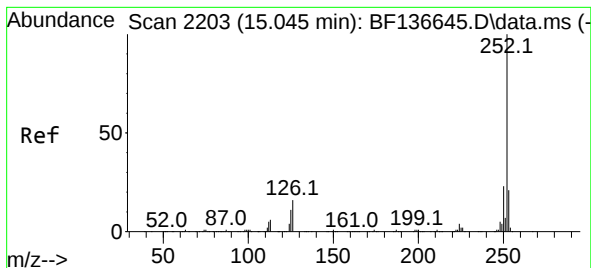
Delta R.T. 0.000 min

Lab File: BF136954.D

Acq: 04 Jan 2024 22:20

Tgt Ion:252 Resp: 91516
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.4 26.0
 125 12.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.592 ng m

RT: 15.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136954.D

Acq: 04 Jan 2024 22:20

Instrument :

BNA_F

ClientSampleId :

GHL-SS-18-0-2DL

Tgt Ion:252 Resp: 30678

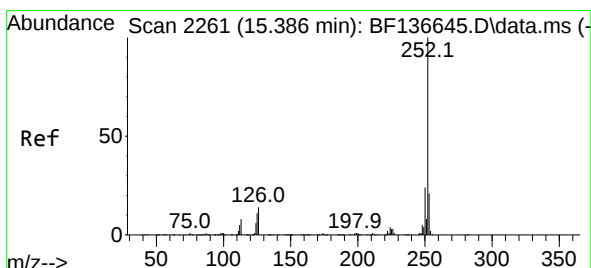
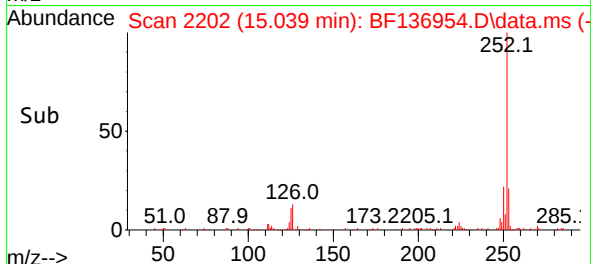
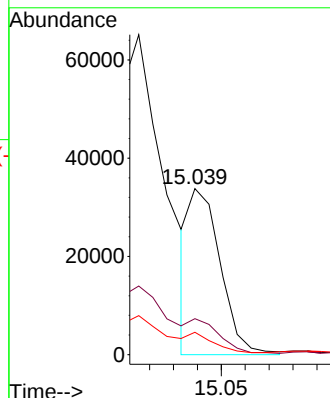
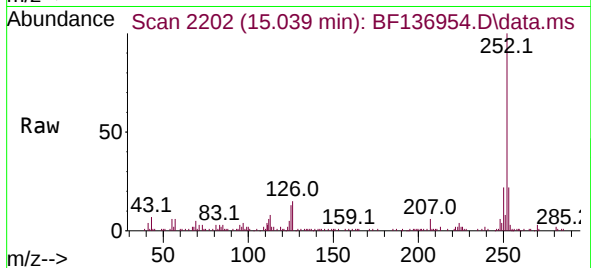
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.6
125	13.5	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#90

Benzo(a)pyrene

Concen: 7.927 ng

RT: 15.386 min Scan# 2261

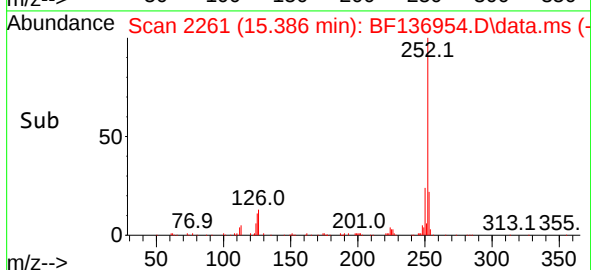
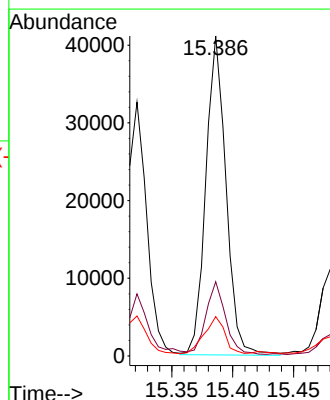
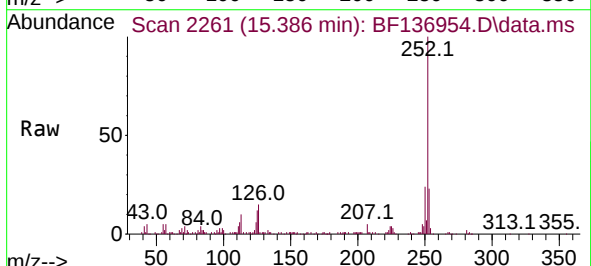
Delta R.T. 0.000 min

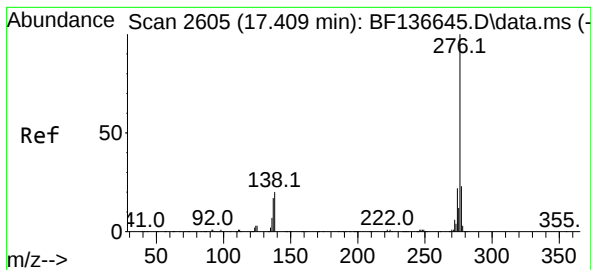
Lab File: BF136954.D

Acq: 04 Jan 2024 22:20

Tgt Ion:252 Resp: 47306

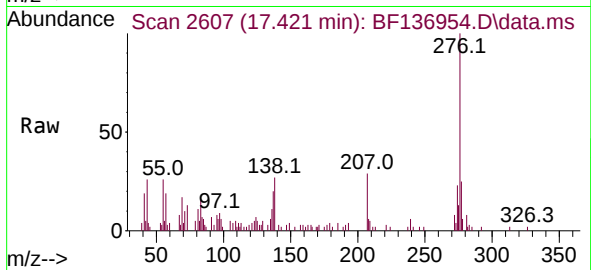
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.3	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 2.932 ng
RT: 17.421 min Scan# 207
Delta R.T. 0.012 min
Lab File: BF136954.D
Acq: 04 Jan 2024 22:20

Instrument :
BNA_F
ClientSampleId :
GHL-SS-18-0-2DL



Tgt Ion: 276 Resp: 1882
Ion Ratio Lower Upper
276 100
277 24.8 18.3 27.5
138 26.7 15.6 23.4

Manual Integrations
APPROVED

Reviewed By : Yogesh Patel 01/05/2024
Supervised By : mohammad ahmed 01/05/2024

