

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136884.D
 Acq On : 02 Jan 2024 21:59
 Operator : CG\JU
 Sample : 05899-15
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-04

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/03/2024
 Supervised By :mohammad ahmed 01/03/2024

Quant Time: Jan 03 02:05:16 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	74883	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	286780	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	142983	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	249800	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	140105	20.000	ng	0.00
86) Perylene-d12	15.445	264	152049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	503651	104.942	ng	0.00
7) Phenol-d6	6.434	99	625481	100.580	ng	0.00
23) Nitrobenzene-d5	7.345	82	386214	68.913	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	172021	102.154	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	764435	71.907	ng	-0.02
79) Terphenyl-d14	12.904	244	664477	66.278	ng	-0.01
Target Compounds					Qvalue	
10) Phenol	6.445	94	17643	2.658	ng	92
37) 2-Methylnaphthalene	8.769	142	23945	2.362	ng	99
58) Fluorene	10.363	166	24523	2.359	ng	98
71) Phenanthrene	11.327	178	75091	5.859	ng	99
72) Anthracene	11.380	178	279822	21.557	ng	99
73) Carbazole	11.539	167	75990	6.209	ng	99
75) Fluoranthene	12.521	202	147084	10.728	ng	98
78) Pyrene	12.751	202	122296	8.892	ng	98
81) Benzo(a)anthracene	13.951	228	61187	6.289	ng	97
83) Chrysene	13.986	228	59425	6.246	ng	98
84) Bis(2-ethylhexyl)phtha...	13.939	149	44744	7.106	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	30288	2.759	ng	97
88) Benzo(b)fluoranthene	15.009	252	76782m	7.561	ng	
89) Benzo(k)fluoranthene	15.033	252	23422m	2.441	ng	
90) Benzo(a)pyrene	15.380	252	55039	6.421	ng	99
92) Benzo(g,h,i)perylene	17.398	276	29242	3.170	ng	98

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

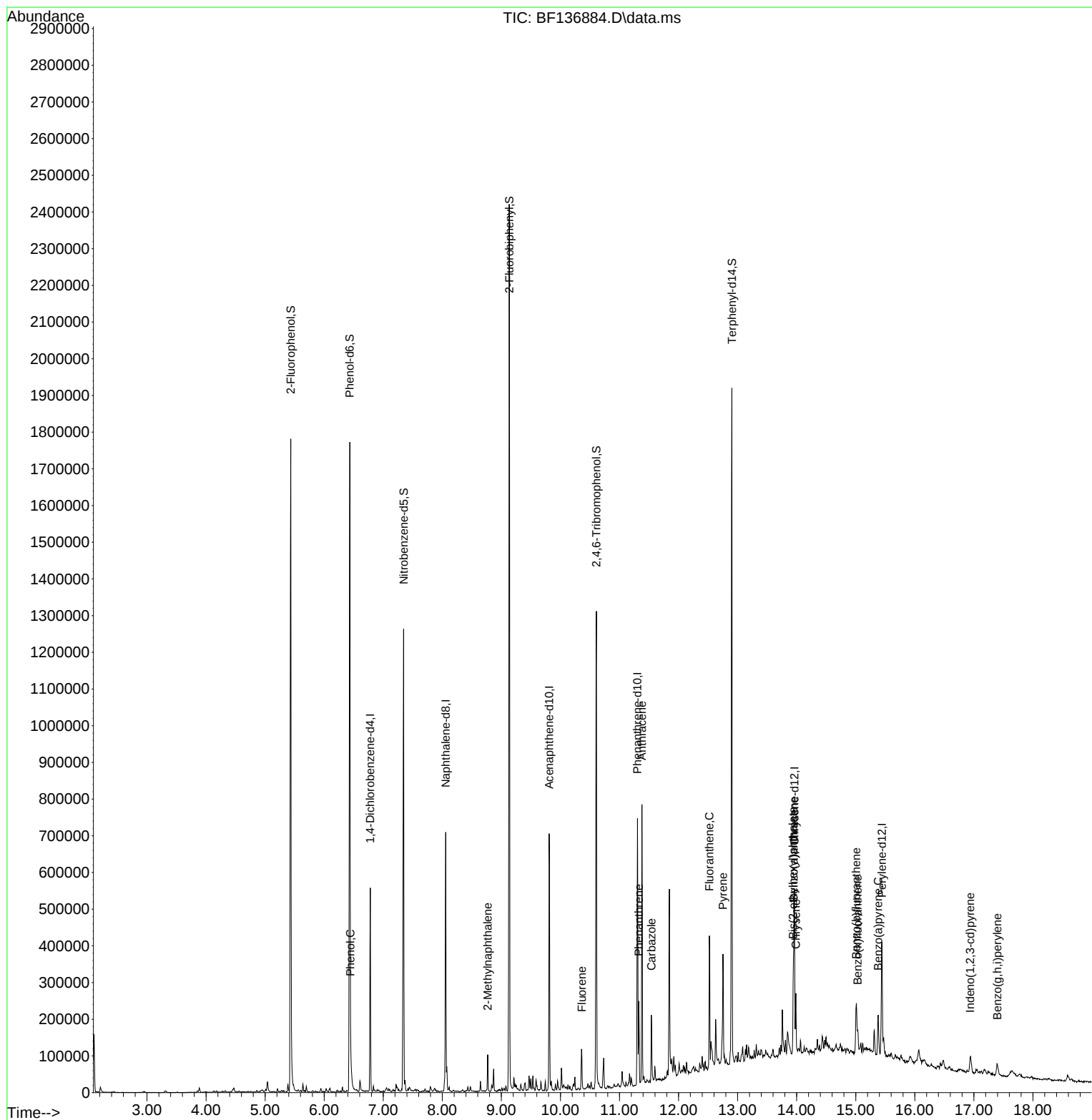
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
Data File : BF136884.D
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Sample : 05899-15
Misc :
ALS Vial : 10 Sample Multiplier: 1

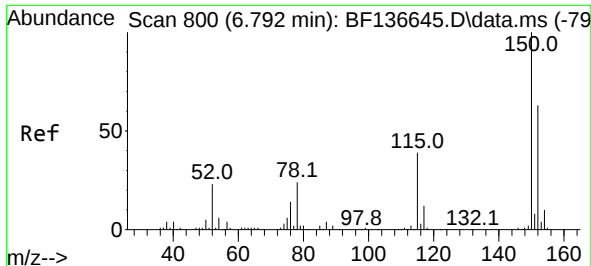
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

Quant Time: Jan 03 02:05:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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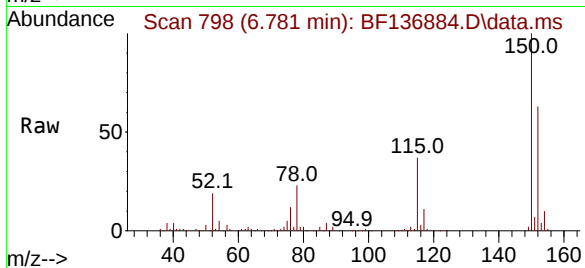
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04



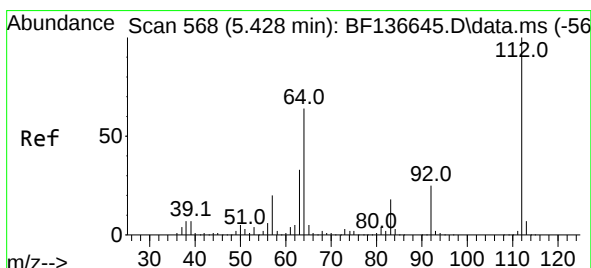
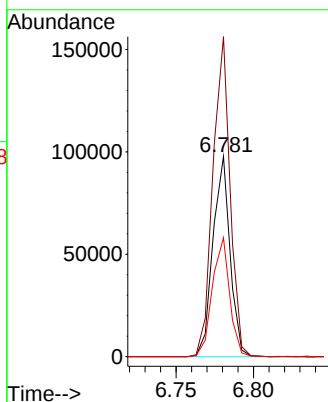
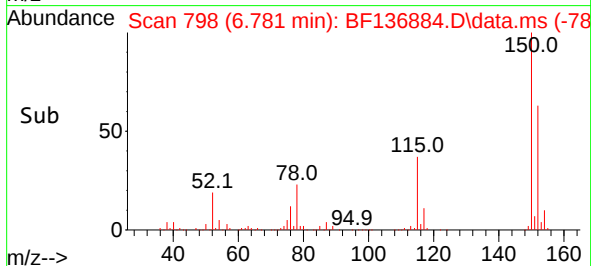
Tgt Ion:152 Resp: 7488
Ion Ratio Lower Upper
152 100
150 159.8 127.0 190.6
115 59.4 49.0 73.4

Manual Integrations

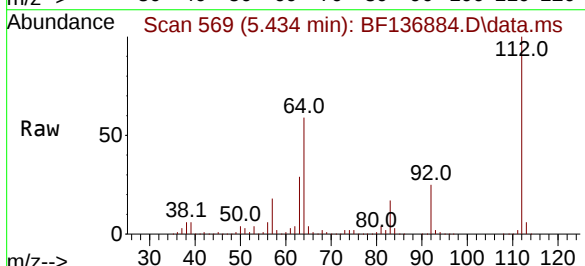
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Reviewed By :Yogesh Patel 01/03/2024

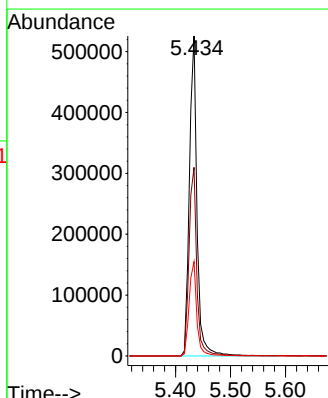
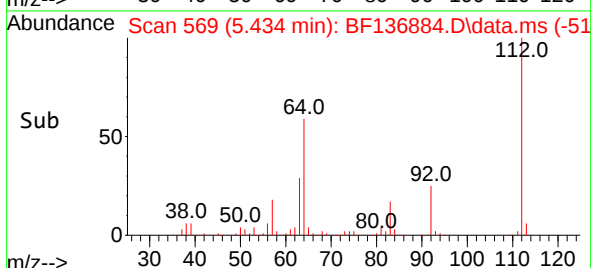
Supervised By :mohammad ahmed 01/03/2024

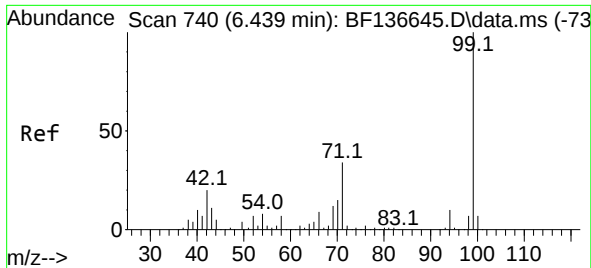


#5
2-Fluorophenol
Concen: 104.942 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59



Tgt Ion:112 Resp: 503651
Ion Ratio Lower Upper
112 100
64 58.9 51.1 76.7
63 29.5 26.1 39.1





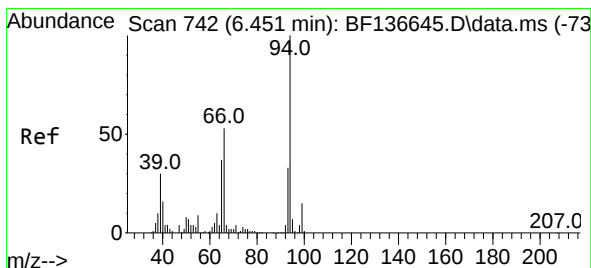
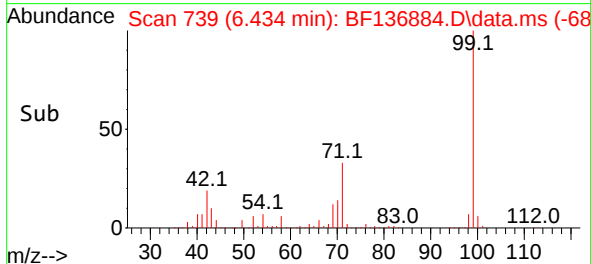
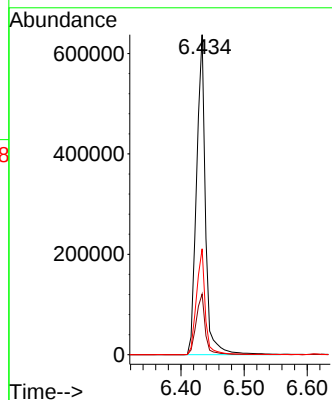
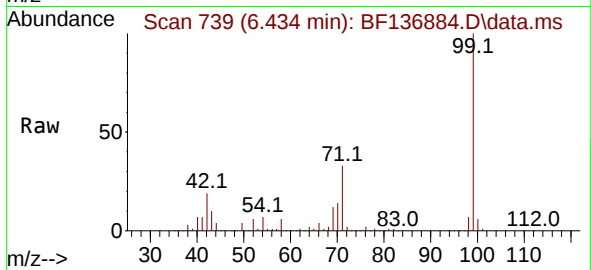
#7
Phenol-d6
Concen: 100.580 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

Tgt Ion: 99 Resp: 62548
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 33.1 27.4 41.2

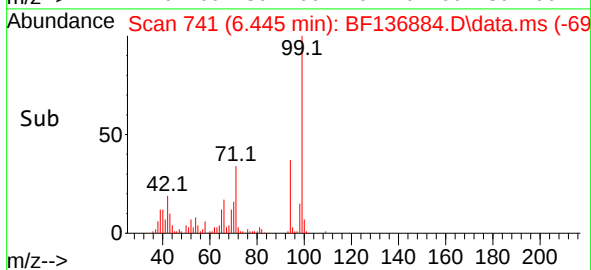
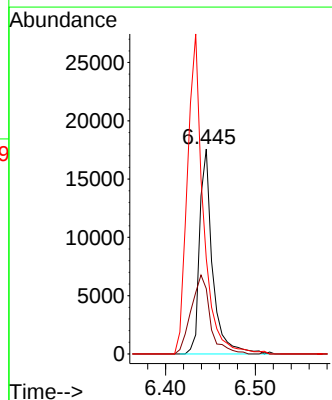
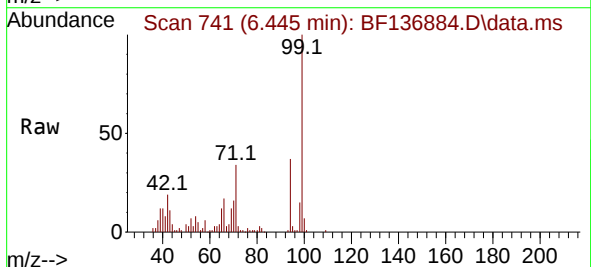
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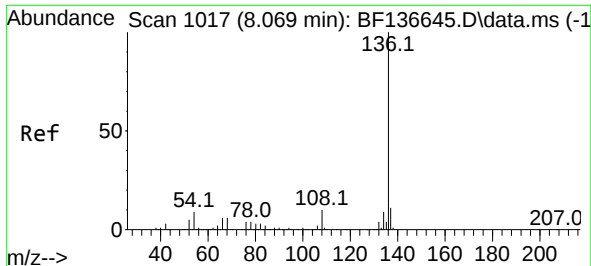
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#10
Phenol
Concen: 2.658 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion: 94 Resp: 17643
Ion Ratio Lower Upper
94 100
65 31.8 16.6 56.6
66 46.6 32.6 72.6





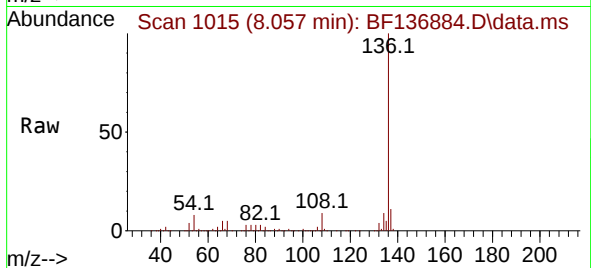
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04



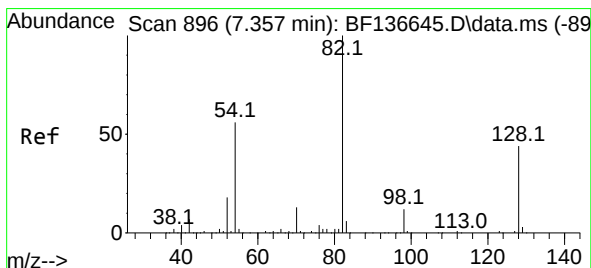
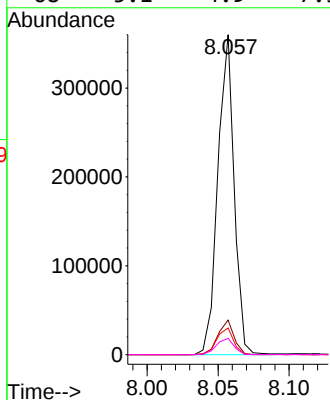
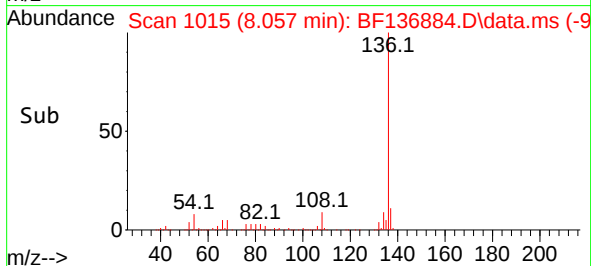
Tgt Ion:136 Resp: 286780
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.3 7.2 10.8
68 5.1 4.9 7.3

Manual Integrations

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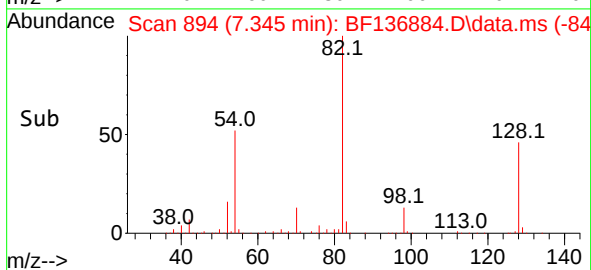
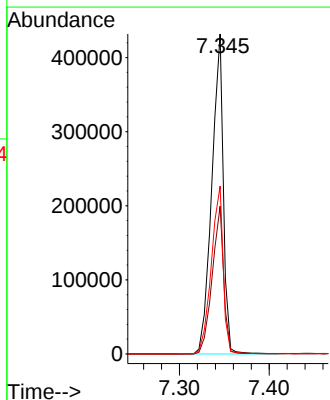
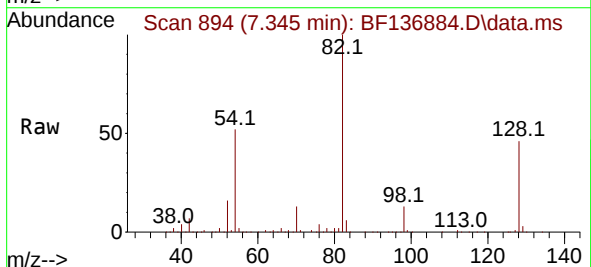
Reviewed By :Yogesh Patel 01/03/2024

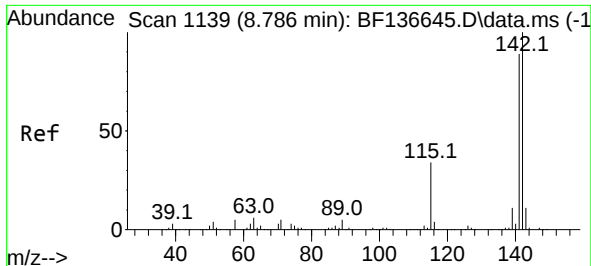
Supervised By :mohammad ahmed 01/03/2024



#23
Nitrobenzene-d5
Concen: 68.913 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion: 82 Resp: 386214
Ion Ratio Lower Upper
82 100
128 46.2 35.3 52.9
54 52.4 44.5 66.7





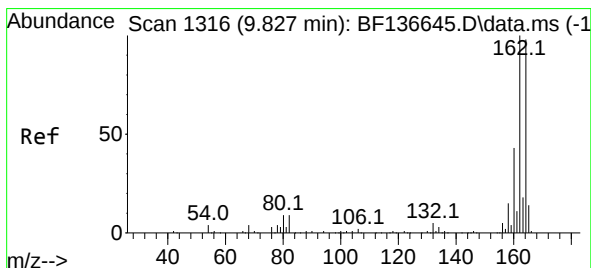
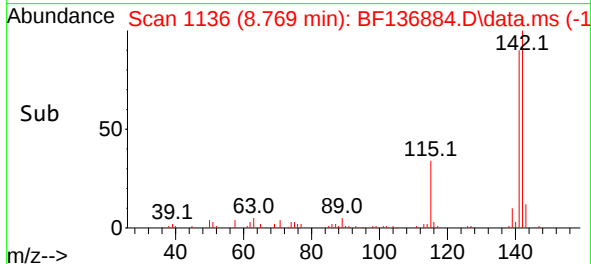
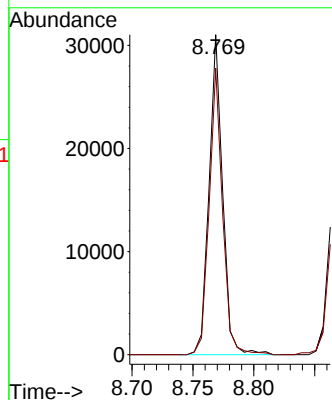
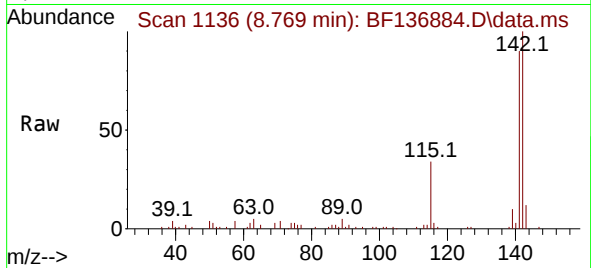
#37
2-Methylnaphthalene
Concen: 2.362 ng
RT: 8.769 min Scan# 1139
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

Tgt Ion:142 Resp: 23945
Ion Ratio Lower Upper
142 100
141 89.5 71.1 106.7

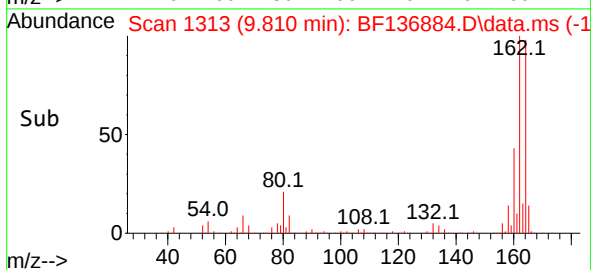
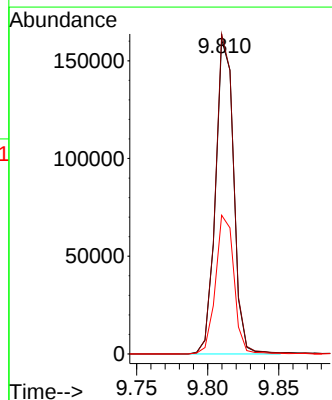
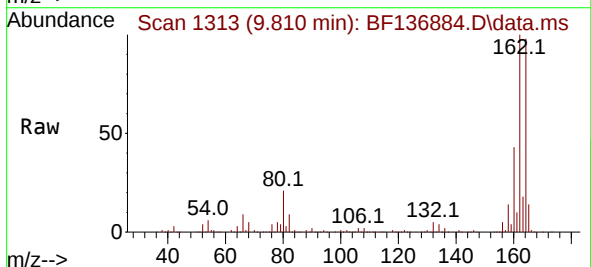
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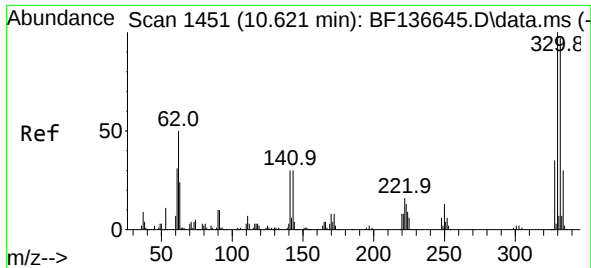
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:164 Resp: 142983
Ion Ratio Lower Upper
164 100
162 101.7 81.6 122.4
160 44.1 34.9 52.3





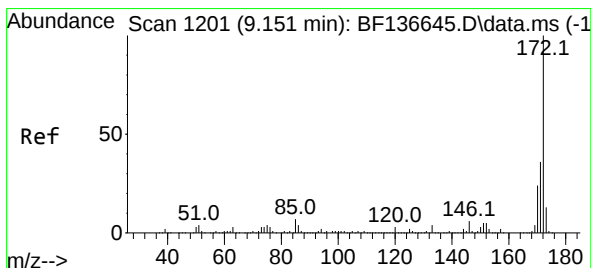
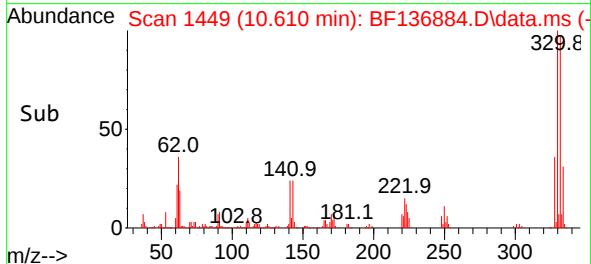
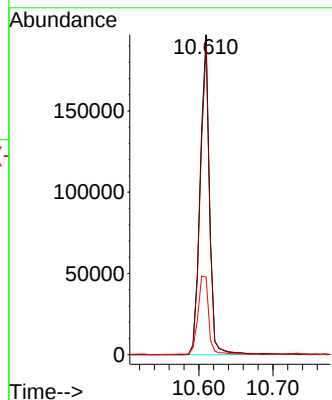
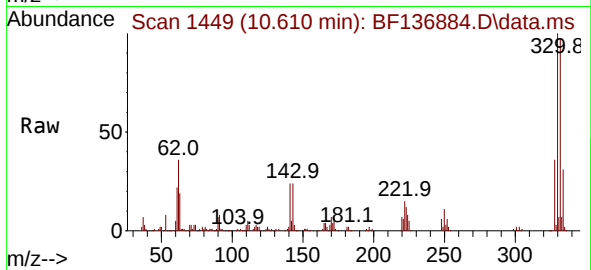
#42
2,4,6-Tribromophenol
Concen: 102.154 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

Tgt Ion:330 Resp: 17202
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 28.8 23.4 35.2

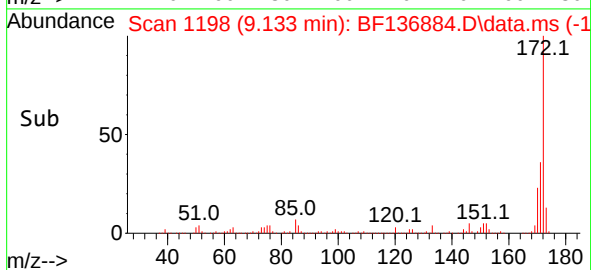
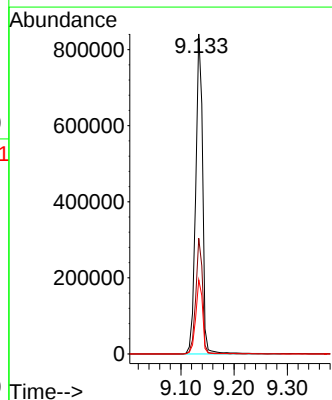
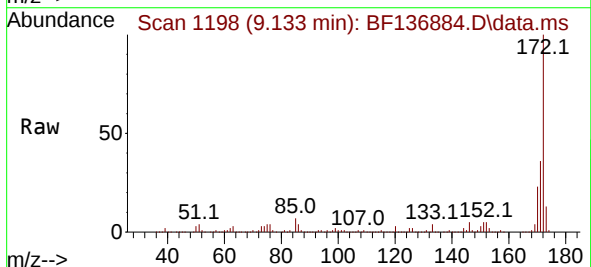
Manual Integrations
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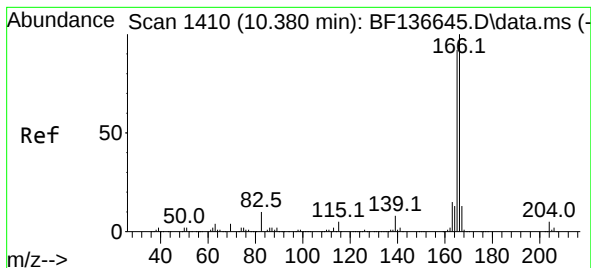
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#45
2-Fluorobiphenyl
Concen: 71.907 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:172 Resp: 764435
Ion Ratio Lower Upper
172 100
171 36.2 29.0 43.6
170 23.2 19.0 28.4





#58

Fluorene

Concen: 2.359 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

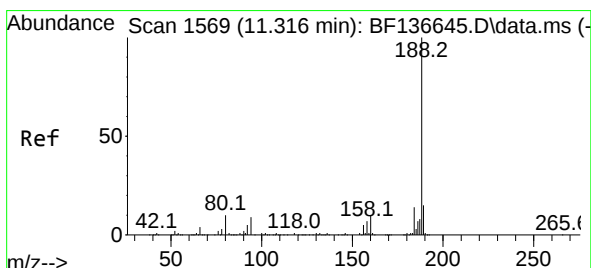
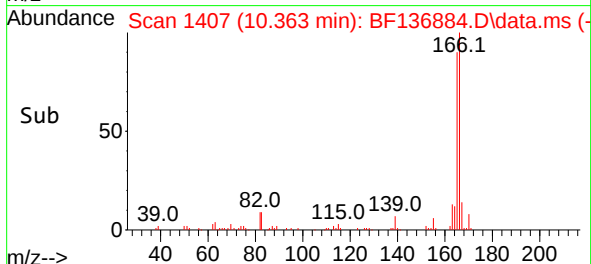
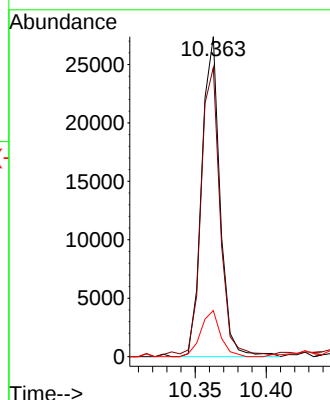
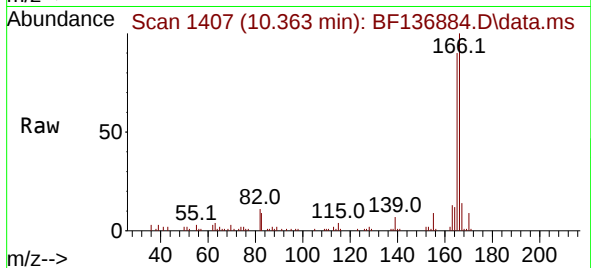
Tgt Ion:166 Resp: 24520
 Ion Ratio Lower Upper
 166 100
 165 90.3 73.7 110.5
 167 14.4 10.4 15.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

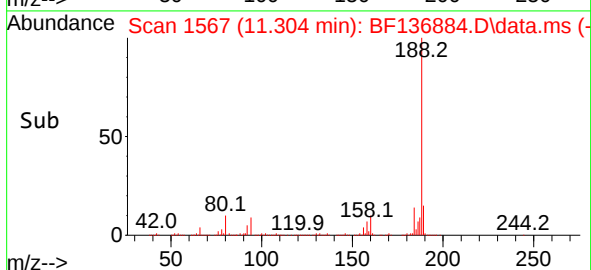
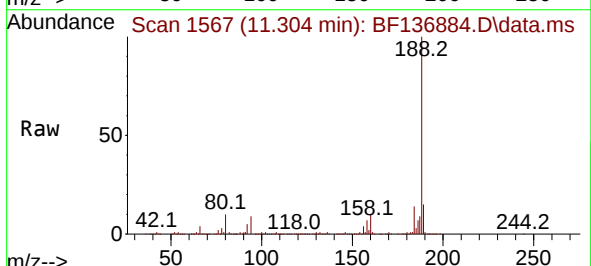
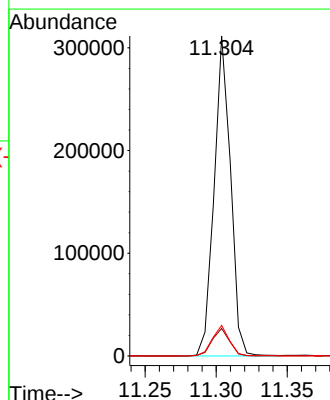
RT: 11.304 min Scan# 1567

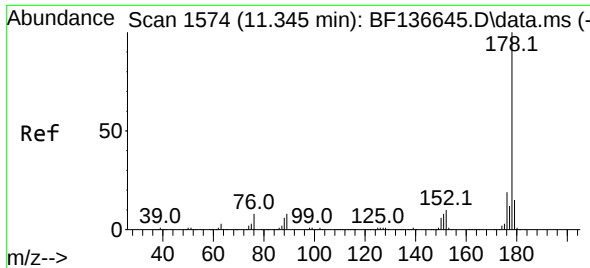
Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

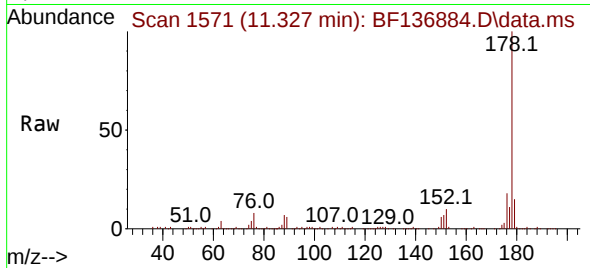
Tgt Ion:188 Resp: 249800
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.5 11.3
 80 9.5 8.1 12.1





#71
Phenanthrene
Concen: 5.859 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

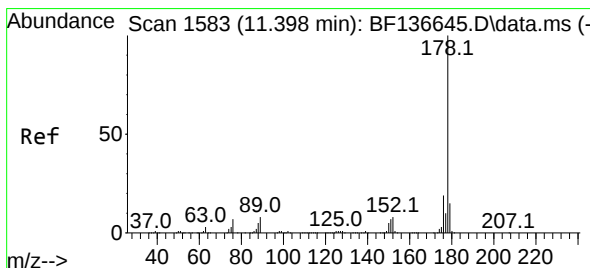
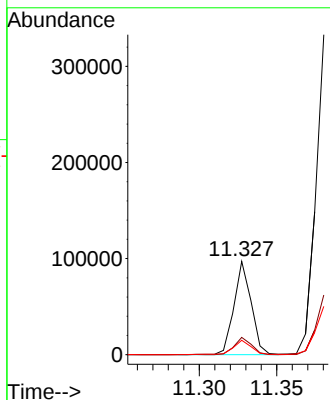
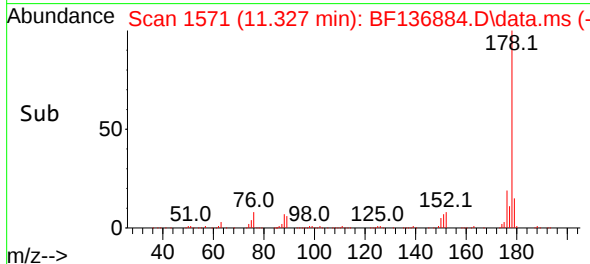
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04



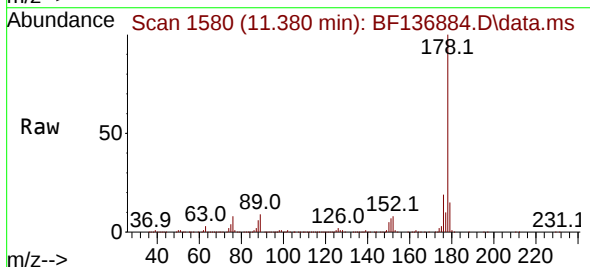
Tgt Ion:178 Resp: 75091
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.4 11.9 17.9

Manual Integrations
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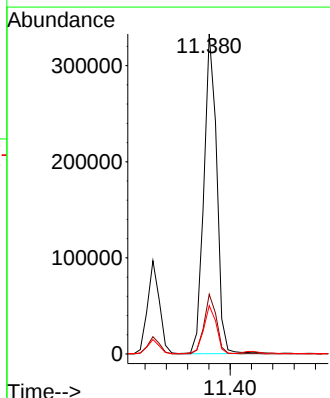
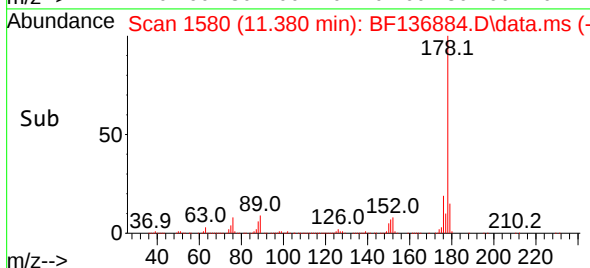
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024

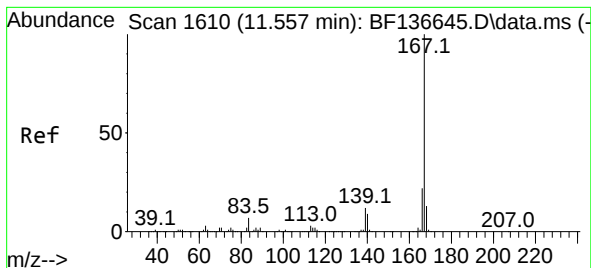


#72
Anthracene
Concen: 21.557 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59



Tgt Ion:178 Resp: 279822
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.1 11.8 17.6





#73

Carbazole

Concen: 6.209 ng

RT: 11.539 min Scan# 1607

Delta R.T. -0.018 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

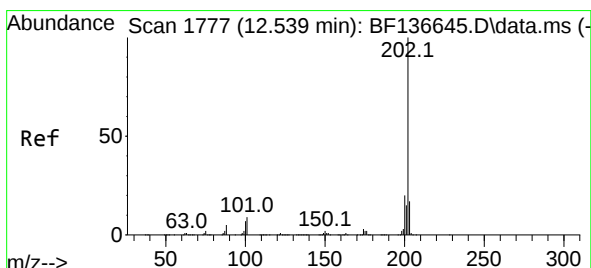
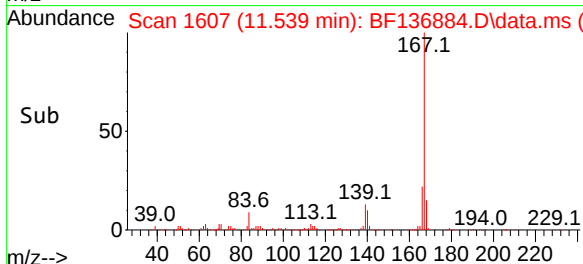
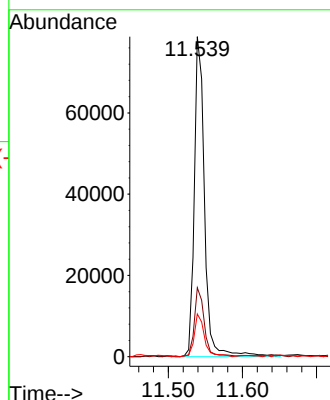
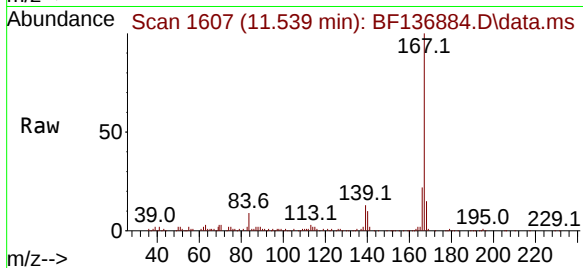
Tgt Ion:167	Resp:	75990
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.3 25.9
139	13.4	9.8 14.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#75

Fluoranthene

Concen: 10.728 ng

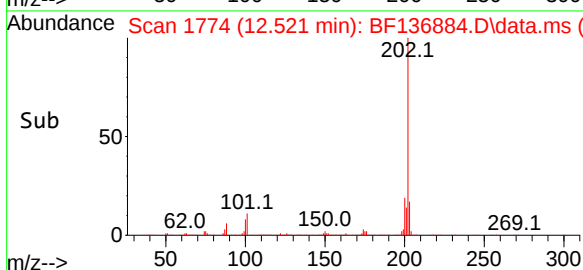
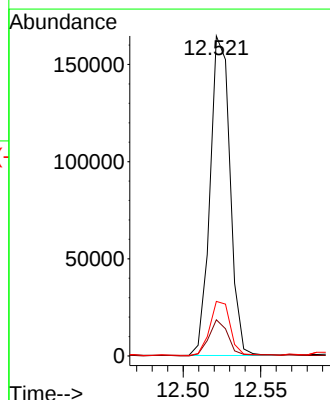
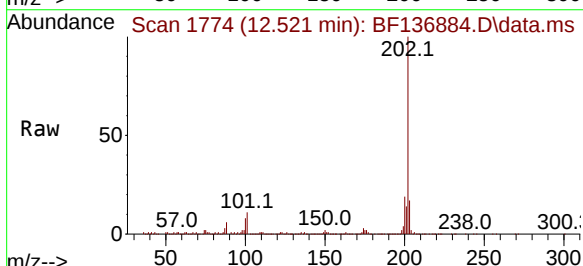
RT: 12.521 min Scan# 1774

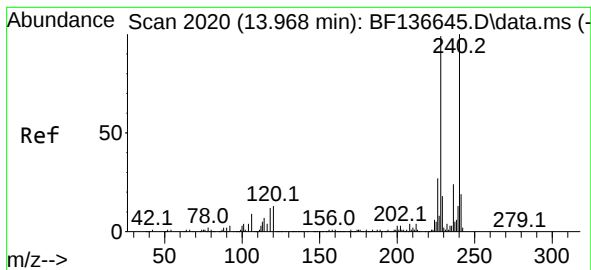
Delta R.T. -0.018 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

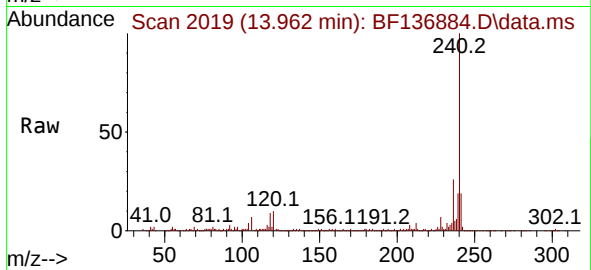
Tgt Ion:202	Resp:	147084
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 29.3
203	17.1	0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

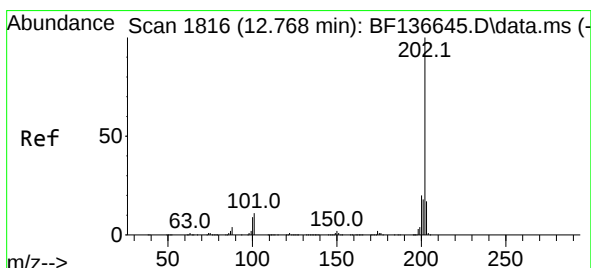
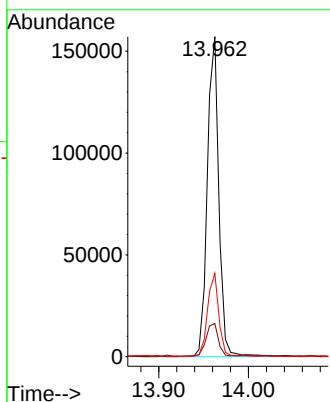
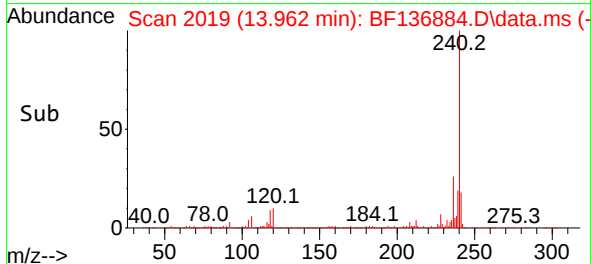
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04



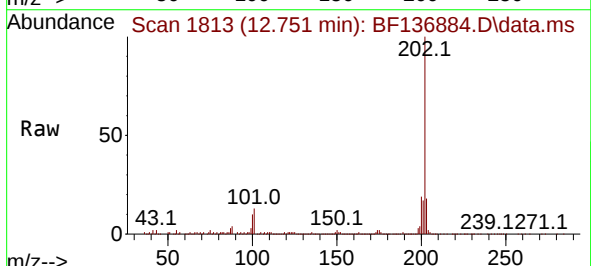
Tgt Ion:240 Resp: 140105
Ion Ratio Lower Upper
240 100
120 10.4 10.3 15.5
236 26.1 19.4 29.2

Manual Integrations
APPROVED

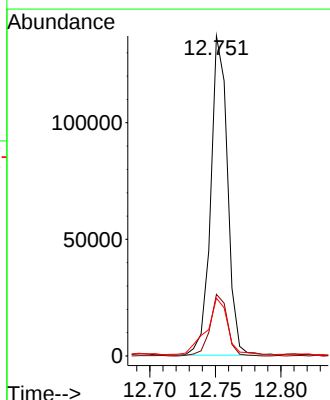
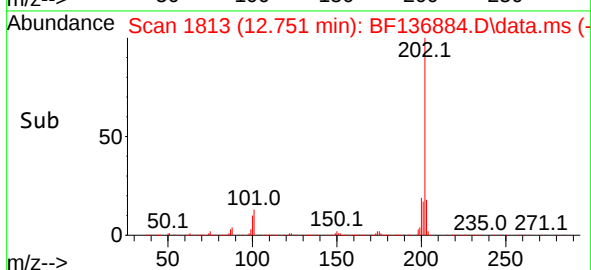
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024

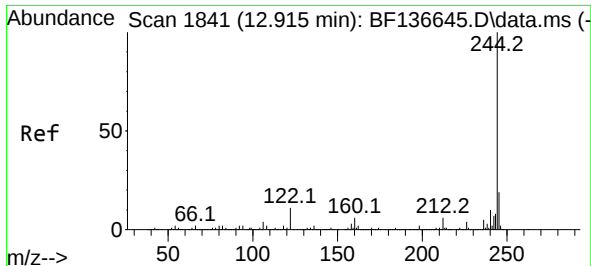


#78
Pyrene
Concen: 8.892 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.018 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59



Tgt Ion:202 Resp: 122296
Ion Ratio Lower Upper
202 100
200 19.2 15.9 23.9
203 18.0 13.8 20.6





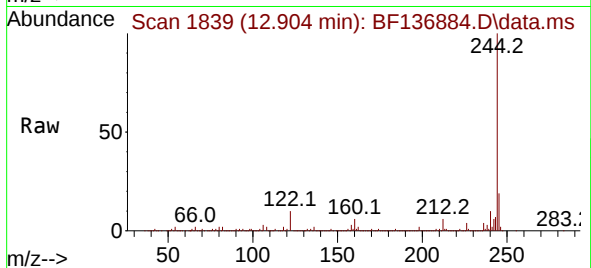
#79
Terphenyl-d14
Concen: 66.278 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

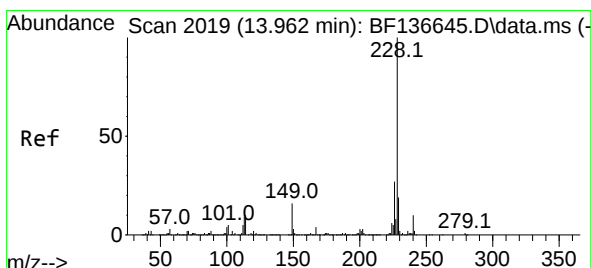
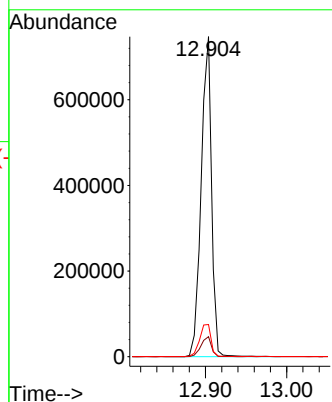
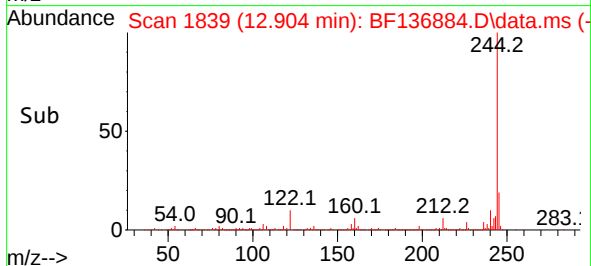


Tgt Ion:244 Resp: 66447
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 10.1 9.0 13.4

Manual Integrations

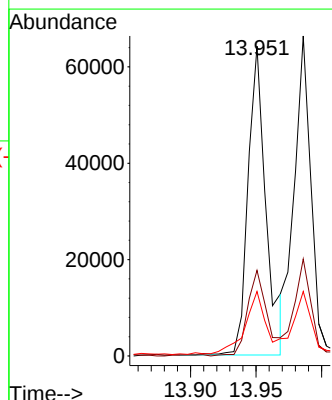
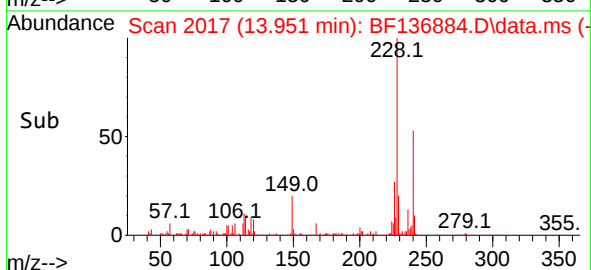
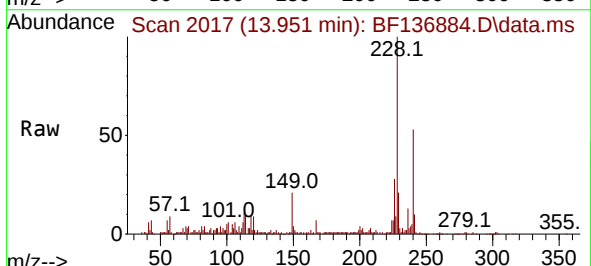
APPROVED

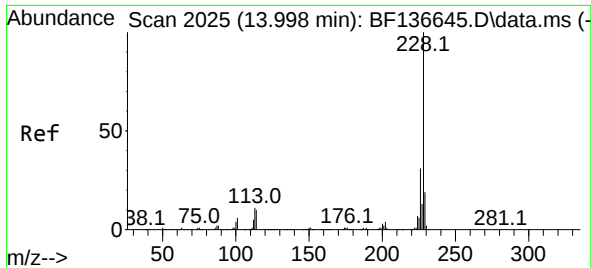
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#81
Benzo(a)anthracene
Concen: 6.289 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:228 Resp: 61187
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 20.8 14.9 22.3





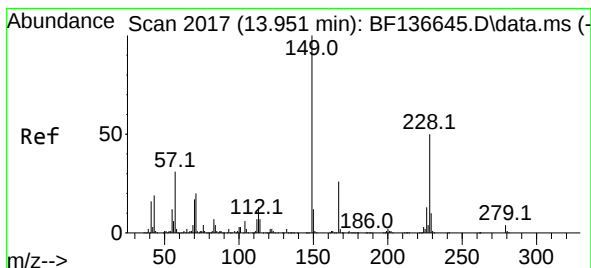
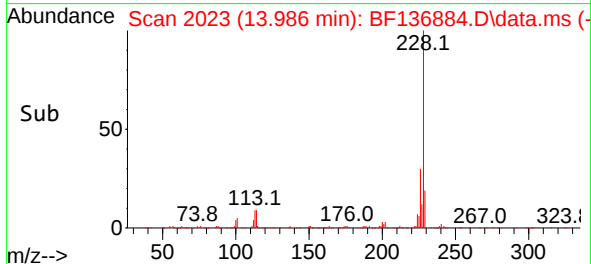
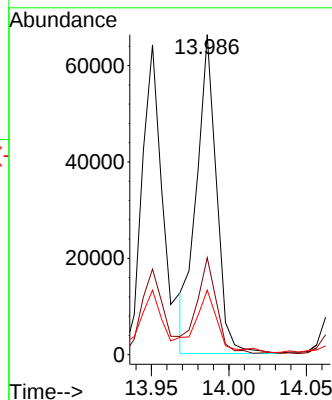
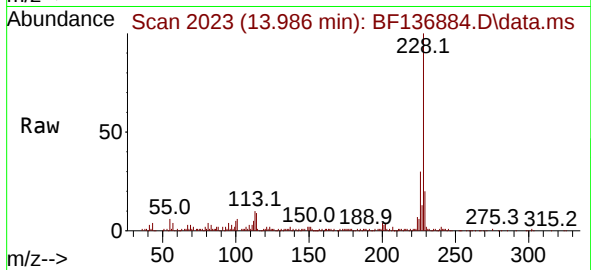
#83
Chrysene
Concen: 6.246 ng
RT: 13.986 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Instrument :
BNA_F
ClientSampleId :
GHL-SS-04

Tgt Ion:228 Resp: 59425
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 20.2 15.4 23.0

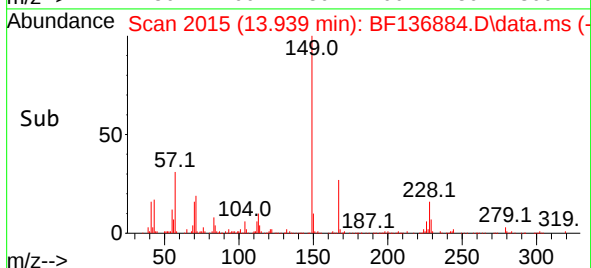
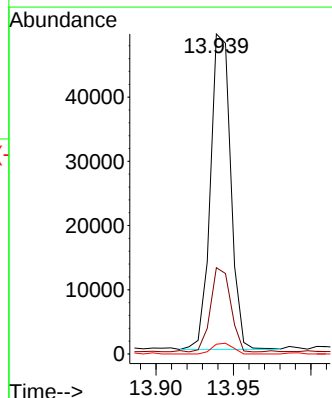
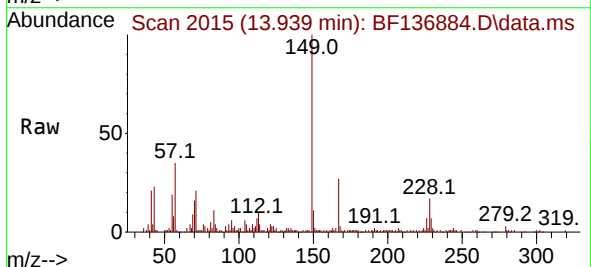
Manual Integrations
APPROVED

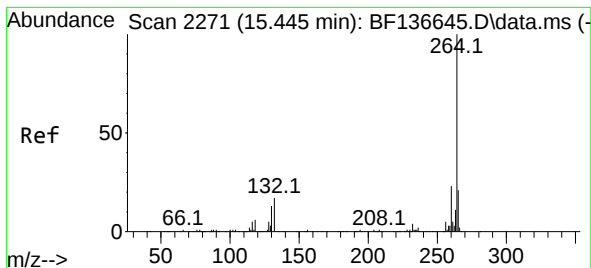
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.106 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:149 Resp: 44744
Ion Ratio Lower Upper
149 100
167 27.0 20.9 31.3
279 3.1 2.9 4.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

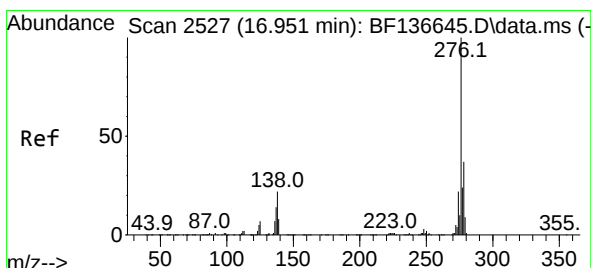
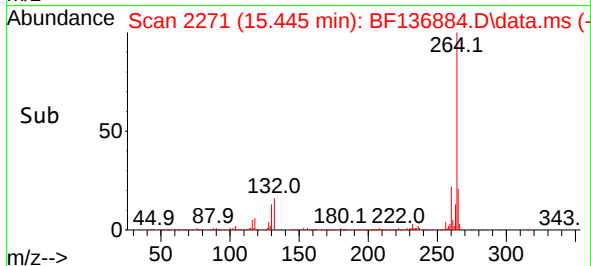
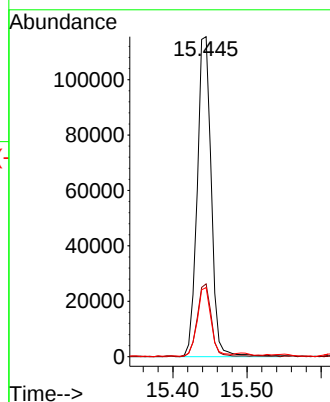
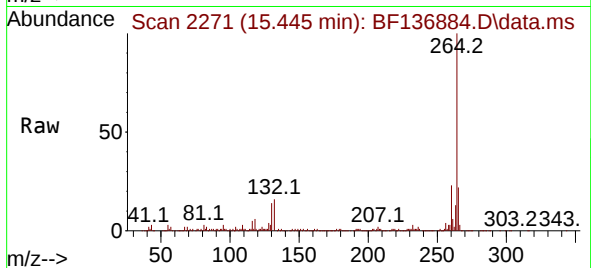
Tgt Ion:264 Resp: 152049
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.3 27.5
 265 21.6 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.759 ng

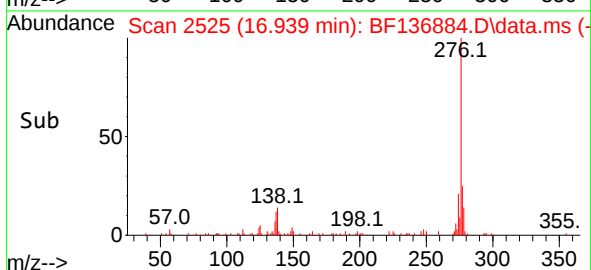
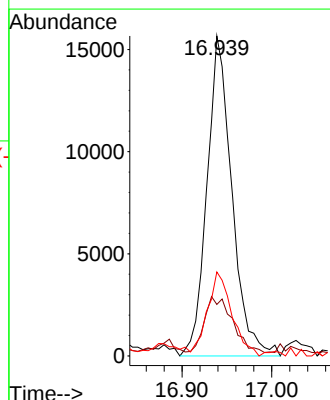
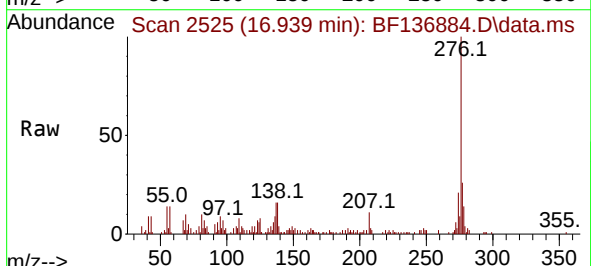
RT: 16.939 min Scan# 2525

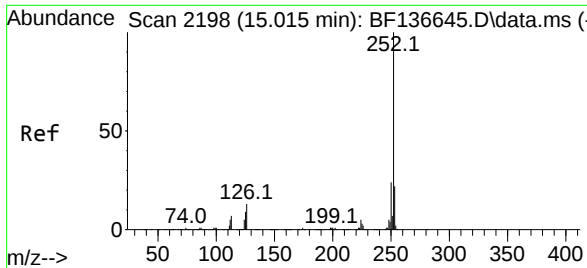
Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

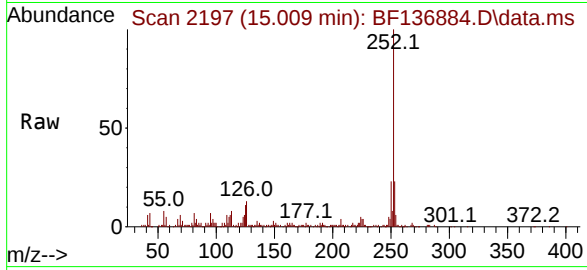
Tgt Ion:276 Resp: 30288
 Ion Ratio Lower Upper
 276 100
 138 20.6 18.7 28.1
 277 25.6 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 7.561 ng m
RT: 15.009 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

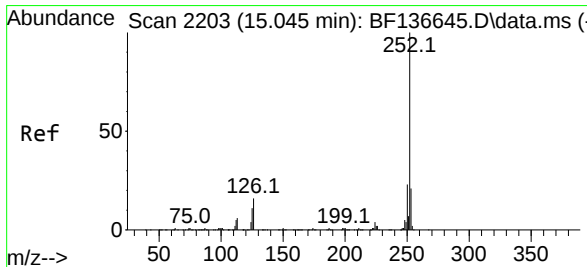
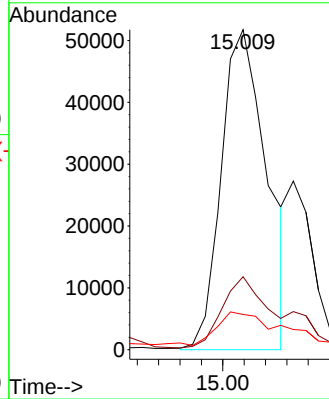
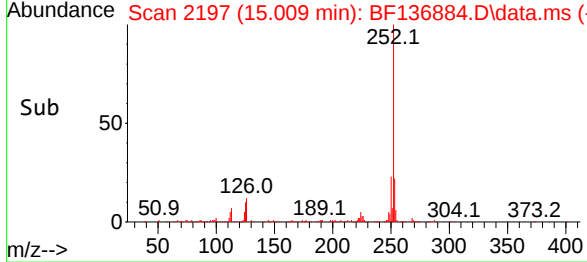
Instrument :
BNA_F
ClientSampleId :
GHL-SS-04



Tgt Ion:252 Resp: 7678
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 11.0 7.4 11.2

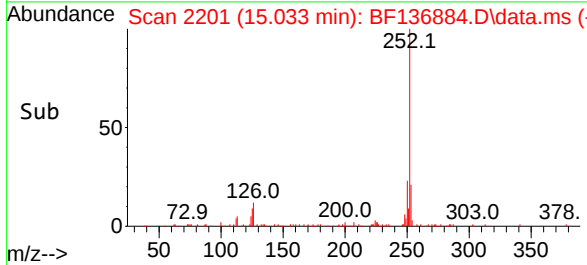
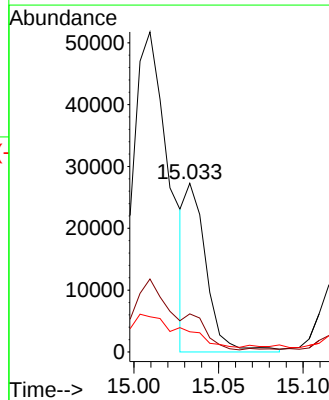
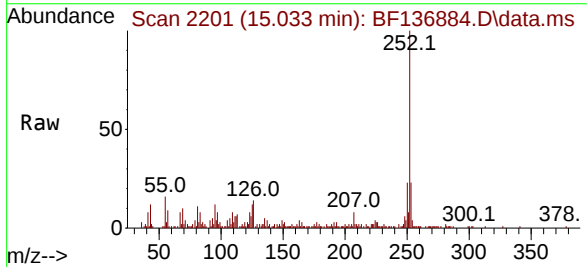
Manual Integrations
APPROVED

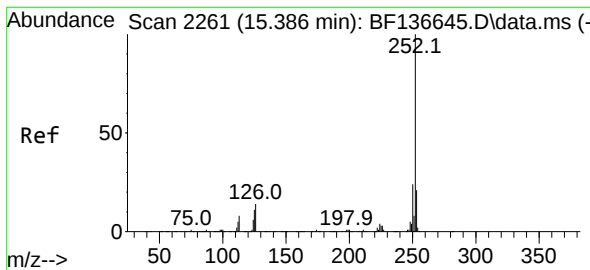
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#89
Benzo(k)fluoranthene
Concen: 2.441 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF136884.D
Acq: 02 Jan 2024 21:59

Tgt Ion:252 Resp: 23422
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 12.0 8.2 12.4





#90

Benzo(a)pyrene

Concen: 6.421 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Instrument :

BNA_F

ClientSampleId :

GHL-SS-04

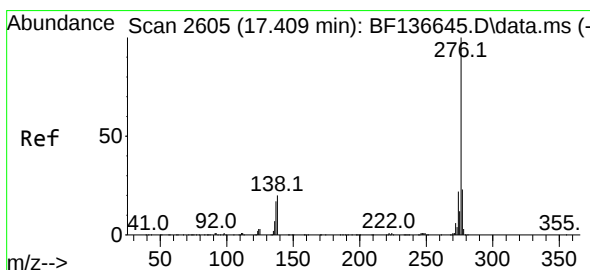
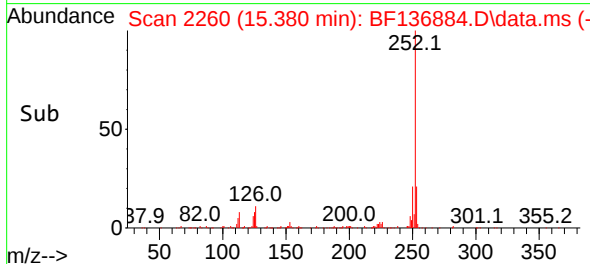
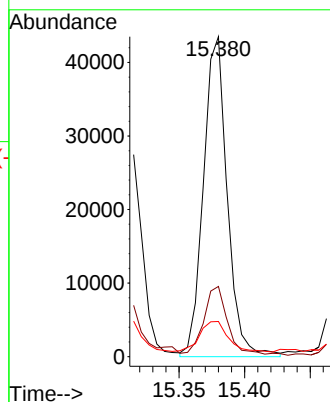
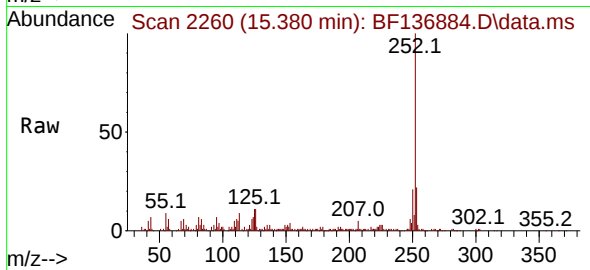
Tgt Ion:	252	Resp:	55039
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	11.0	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#92

Benzo(g,h,i)perylene

Concen: 3.170 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF136884.D

Acq: 02 Jan 2024 21:59

Tgt Ion:	276	Resp:	29242
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.3	27.5
138	21.3	15.6	23.4

