

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136924.D
 Acq On : 04 Jan 2024 00:00
 Operator : CG\JU
 Sample : 05899-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024

Quant Time: Jan 04 03:44:18 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	58909	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	196498	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	83382	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	143517	20.000	ng	0.00
76) Chrysene-d12	13.968	240	122117	20.000	ng	0.00
86) Perylene-d12	15.457	264	102077	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	350965	92.958	ng	0.01
7) Phenol-d6	6.440	99	404623	82.708	ng	0.00
23) Nitrobenzene-d5	7.345	82	245720	63.989	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	86952	88.545	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	456105	73.572	ng	-0.01
79) Terphenyl-d14	12.910	244	455377	52.112	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.081	128	46945	4.349	ng	99
37) 2-Methylnaphthalene	8.775	142	35232	5.071	ng	98
38) 1-Methylnaphthalene	8.869	142	20167	2.959	ng	97
46) 1,1'-Biphenyl	9.239	154	14097	2.015	ng	95
52) Acenaphthene	9.845	154	50768	10.073	ng	97
55) Dibenzofuran	10.022	168	73790	9.659	ng	97
58) Fluorene	10.363	166	83927	13.845	ng	100
71) Phenanthrene	11.333	178	283625	38.515	ng	99
72) Anthracene	11.386	178	422210	56.614	ng	99
73) Carbazole	11.551	167	131864	18.754	ng	100
75) Fluoranthene	12.533	202	299196	37.984	ng	97
78) Pyrene	12.763	202	230197	19.203	ng	99
81) Benzo(a)anthracene	13.963	228	78095	9.210	ng	97
83) Chrysene	13.998	228	77471	9.343	ng	96
84) Bis(2-ethylhexyl)phtha...	13.951	149	28181	5.135	ng	# 89
88) Benzo(b)fluoranthene	15.021	252	48207m	7.071	ng	
89) Benzo(k)fluoranthene	15.045	252	13531m	2.100	ng	
90) Benzo(a)pyrene	15.392	252	26914	4.677	ng	# 87

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

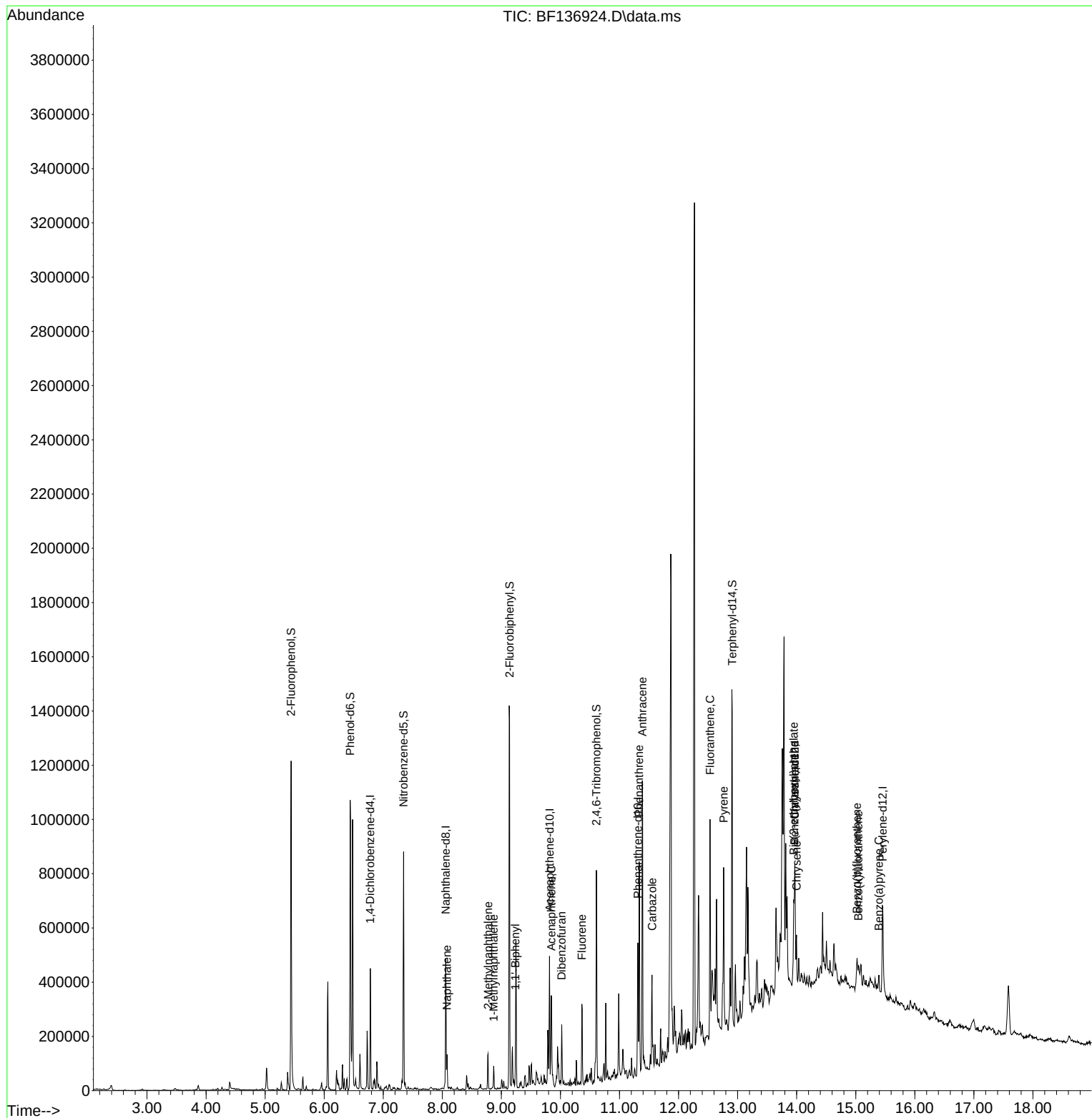
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136924.D
Acq On : 04 Jan 2024 00:00
Operator : CG\JU
Sample : 05899-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

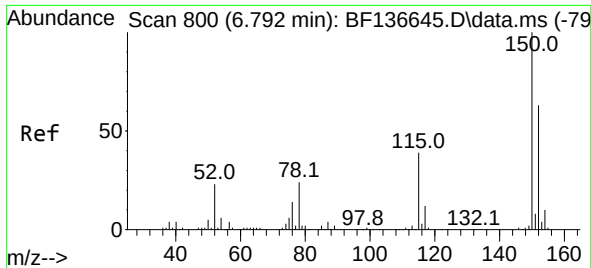
Instrument :
BNA_F
ClientSampleId :
GHL-SS-01

Quant Time: Jan 04 03:44:18 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

Manual Integrations
APPROVED

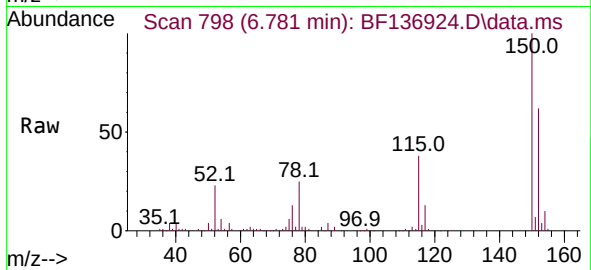
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

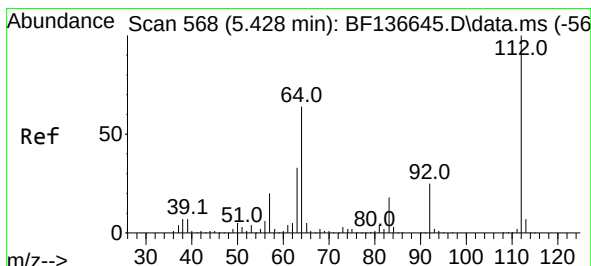
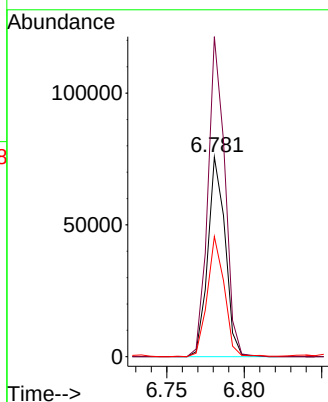
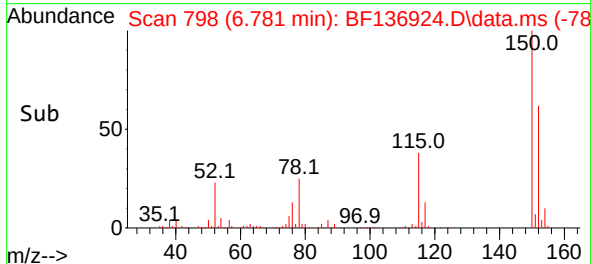
Instrument :
BNA_F
ClientSampleId :
GHL-SS-01



Tgt Ion:152 Resp: 58909
Ion Ratio Lower Upper
152 100
150 160.2 127.0 190.6
115 60.2 49.0 73.4

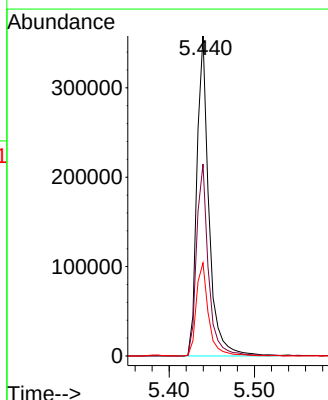
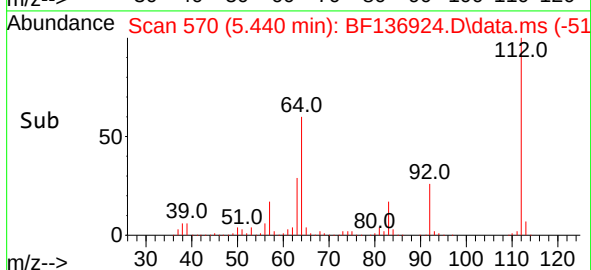
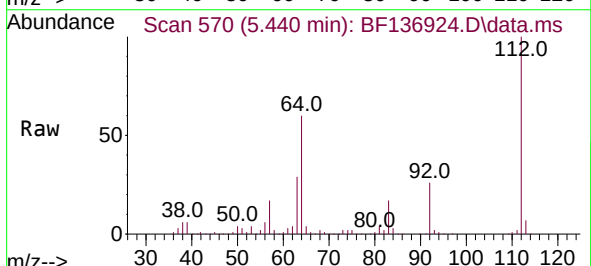
Manual Integrations
APPROVED

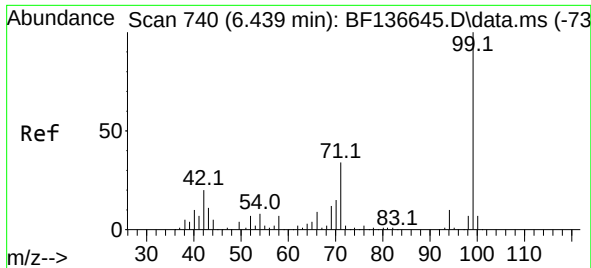
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#5
2-Fluorophenol
Concen: 92.958 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

Tgt Ion:112 Resp: 350965
Ion Ratio Lower Upper
112 100
64 59.9 51.1 76.7
63 29.1 26.1 39.1





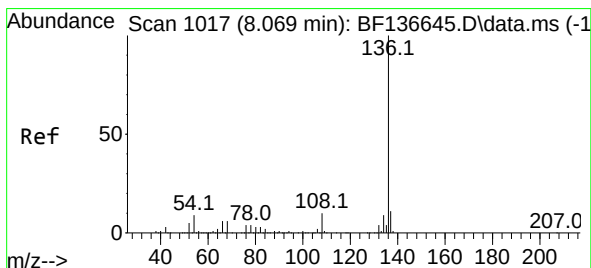
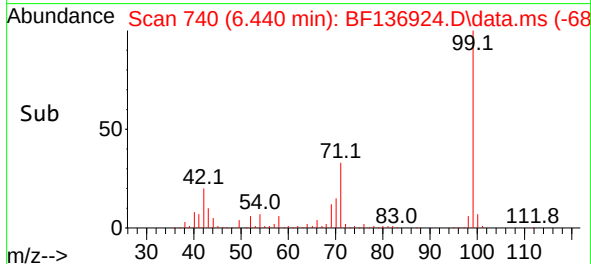
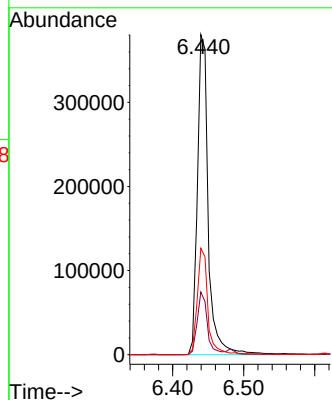
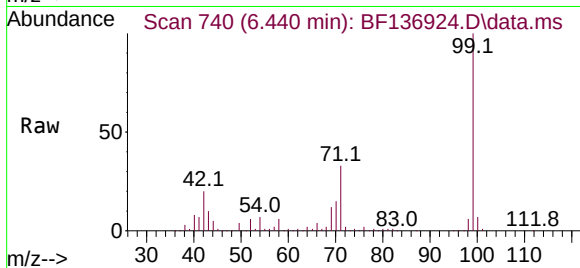
#7
Phenol-d6
Concen: 82.708 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

Instrument :
BNA_F
ClientSampleId :
GHL-SS-01

Tgt Ion: 99 Resp: 40462
Ion Ratio Lower Upper
99 100
42 19.6 16.1 24.1
71 33.2 27.4 41.2

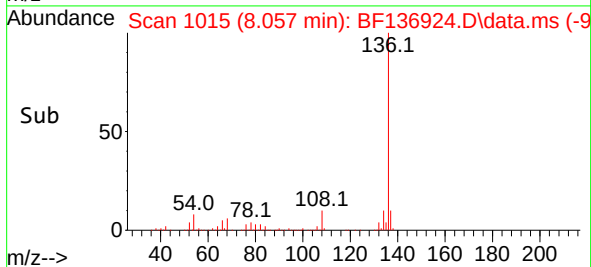
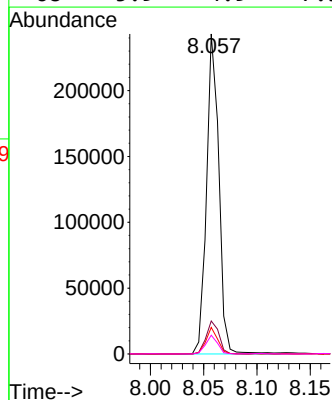
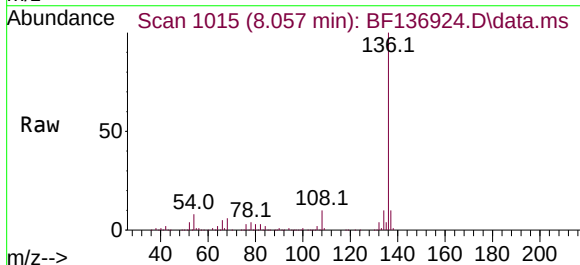
Manual Integrations
APPROVED

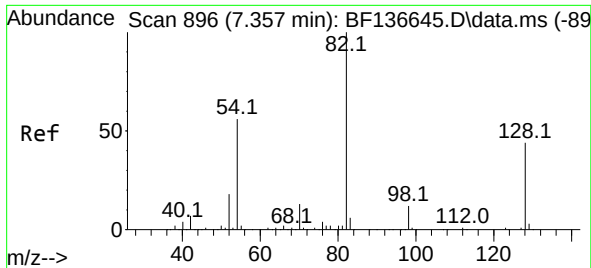
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

Tgt Ion:136 Resp: 196498
Ion Ratio Lower Upper
136 100
137 10.3 9.0 13.4
54 8.3 7.2 10.8
68 5.9 4.9 7.3





#23
Nitrobenzene-d5
Concen: 63.989 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

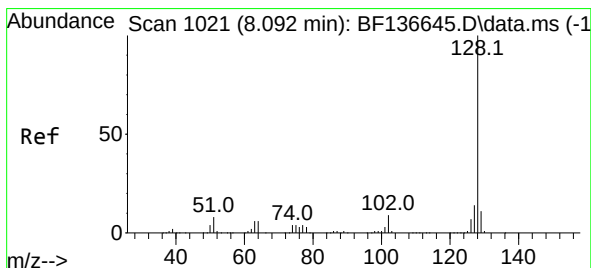
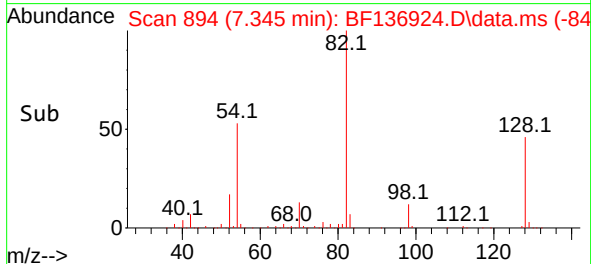
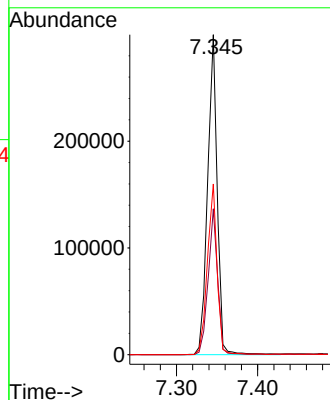
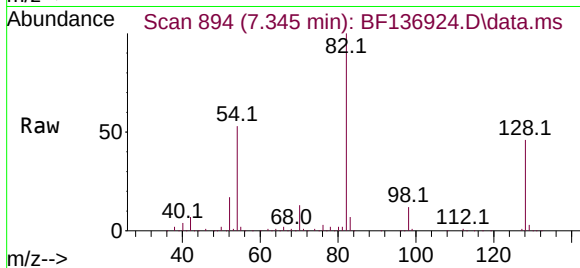
GHL-SS-01

Tgt Ion: 82 Resp: 245720
Ion Ratio Lower Upper
82 100
128 45.6 35.3 52.9
54 53.4 44.5 66.7

Manual Integrations

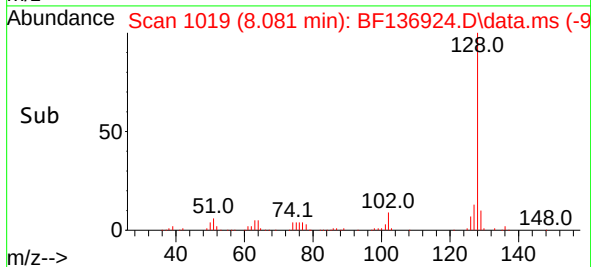
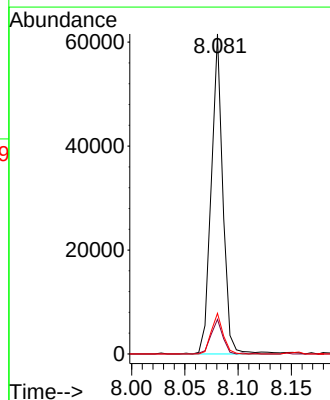
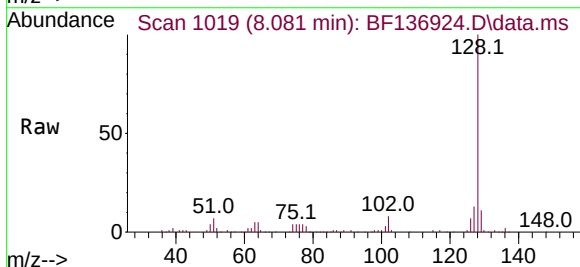
APPROVED

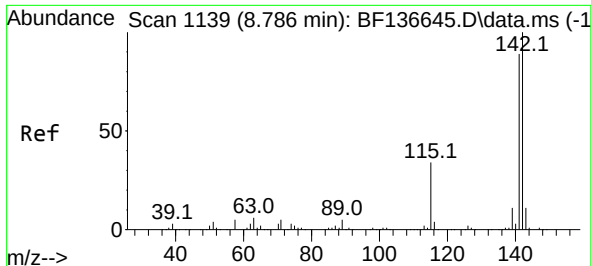
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#31
Naphthalene
Concen: 4.349 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

Tgt Ion:128 Resp: 46945
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.7 10.8 16.2





#37

2-Methylnaphthalene

Concen: 5.071 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

GHL-SS-01

Tgt Ion:142 Resp: 3523

Ion Ratio Lower Upper

142 100

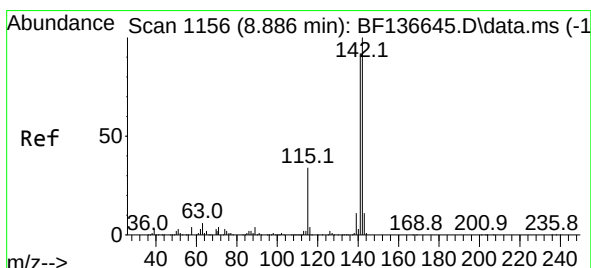
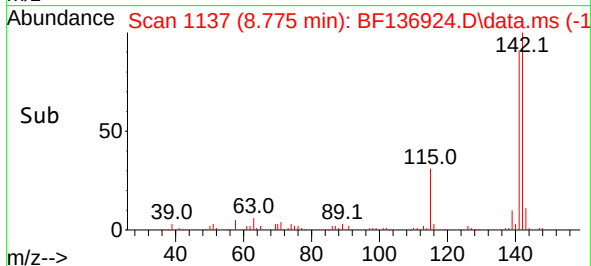
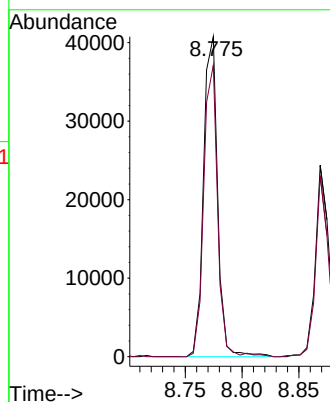
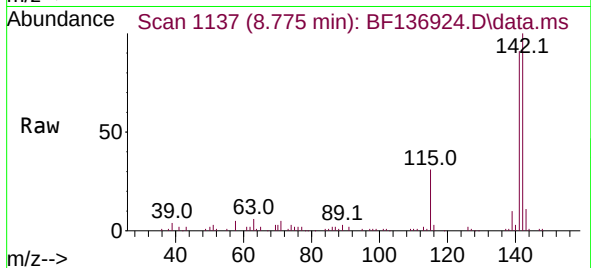
141 91.1 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#38

1-Methylnaphthalene

Concen: 2.959 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.018 min

Lab File: BF136924.D

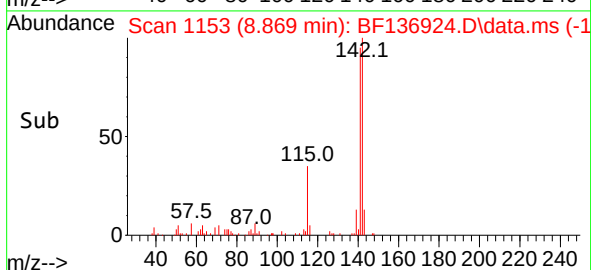
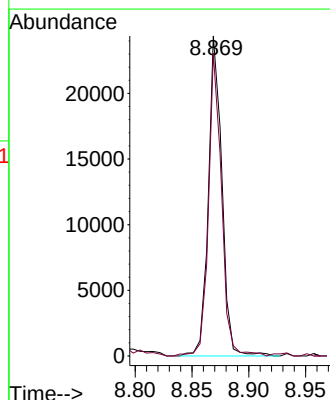
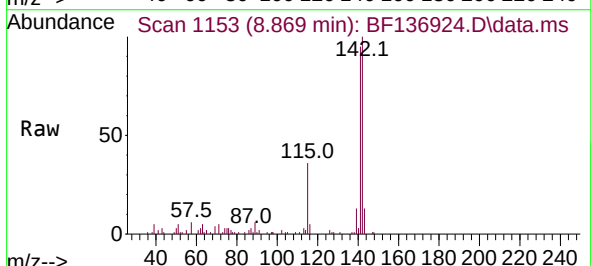
Acq: 04 Jan 2024 00:00

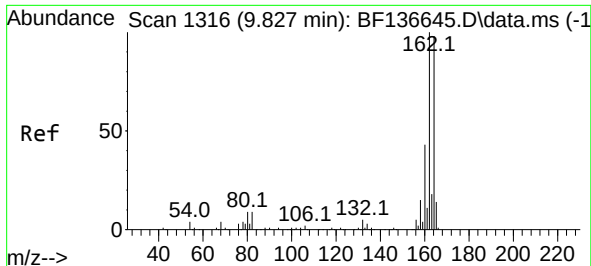
Tgt Ion:142 Resp: 20167

Ion Ratio Lower Upper

142 100

141 94.7 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

GHL-SS-01

Tgt Ion:164 Resp: 8338

Ion Ratio Lower Upper

164 100

162 102.0 81.6 122.4

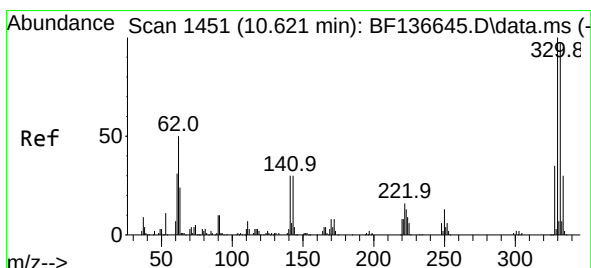
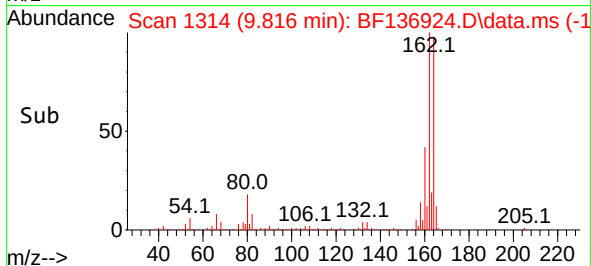
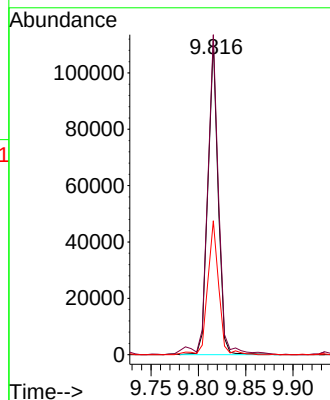
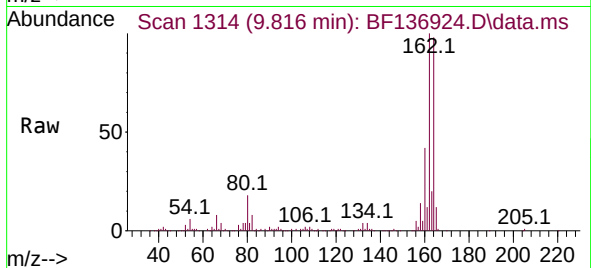
160 42.7 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#42

2,4,6-Tribromophenol

Concen: 88.545 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

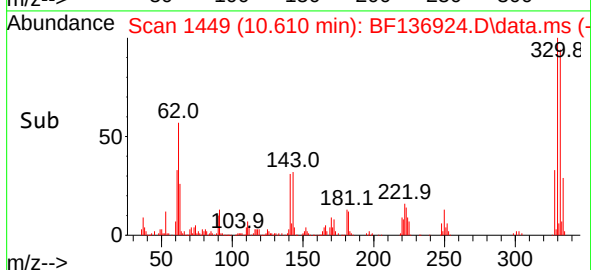
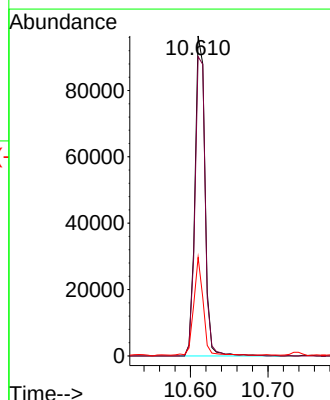
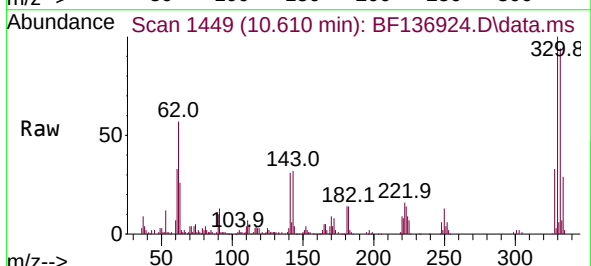
Tgt Ion:330 Resp: 86952

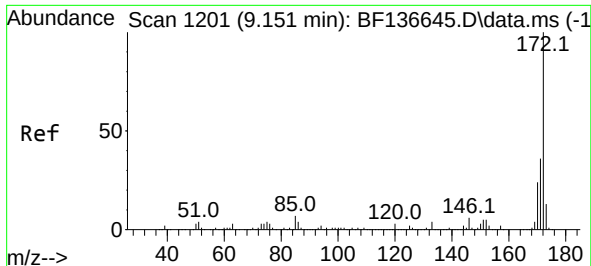
Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.0

141 28.3 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 73.572 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136924.D

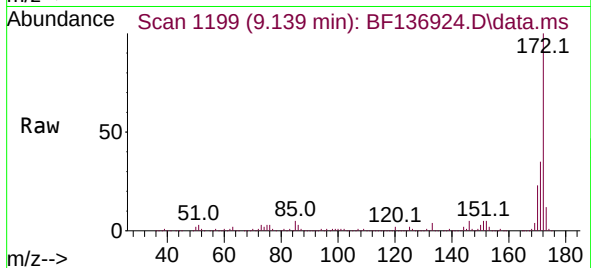
Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

GHL-SS-01



Tgt Ion:172 Resp: 45610

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

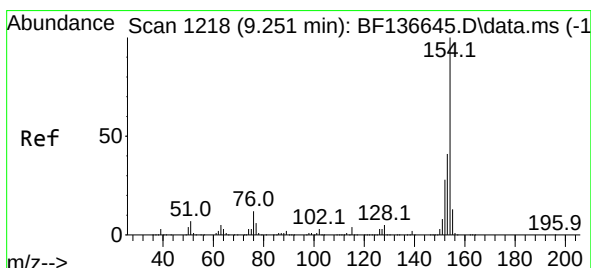
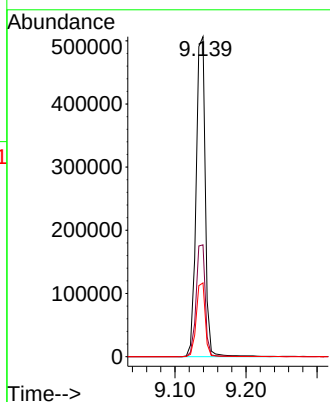
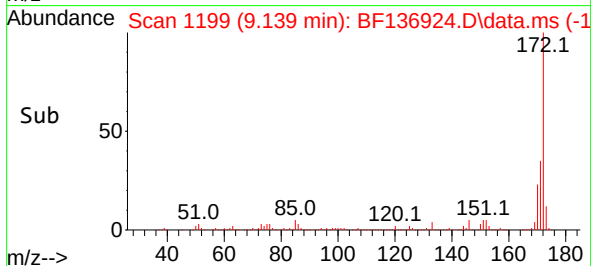
170 23.0 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#46

1,1'-Biphenyl

Concen: 2.015 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

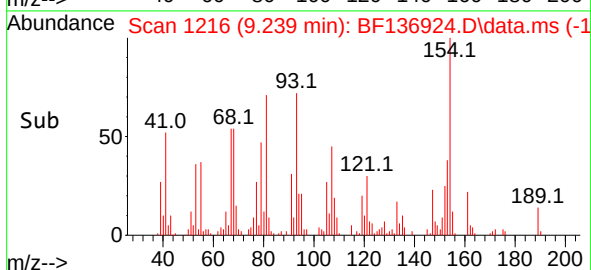
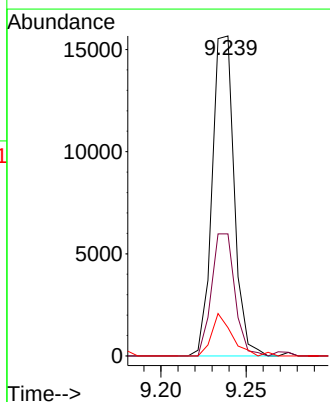
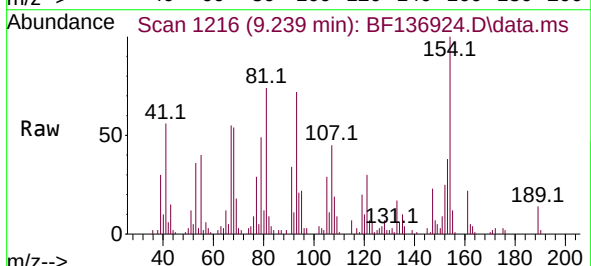
Tgt Ion:154 Resp: 14097

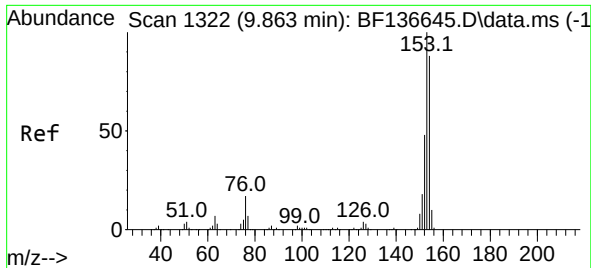
Ion Ratio Lower Upper

154 100

153 38.1 21.1 61.1

76 8.9 0.0 31.7





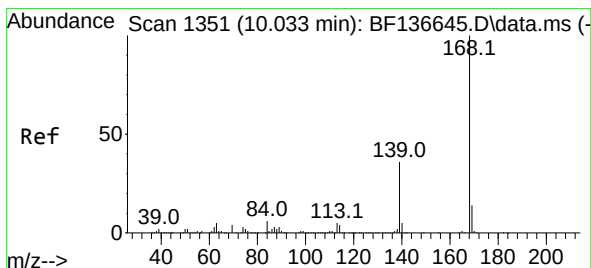
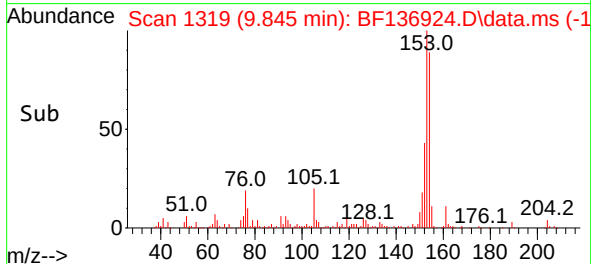
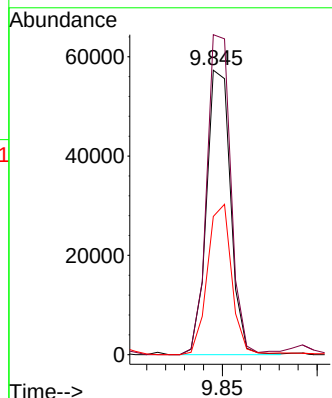
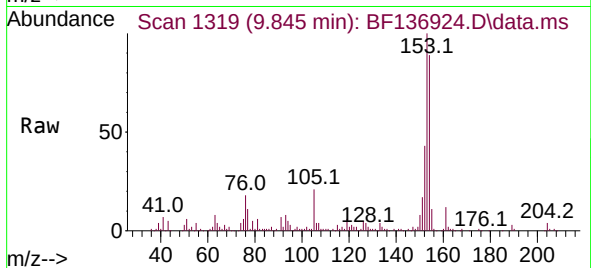
#52
Acenaphthene
Concen: 10.073 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

Instrument :
BNA_F
ClientSampleId :
GHL-SS-01

Tgt Ion:154 Resp: 5076
Ion Ratio Lower Upper
154 100
153 112.5 90.7 136.1
152 48.6 43.7 65.5

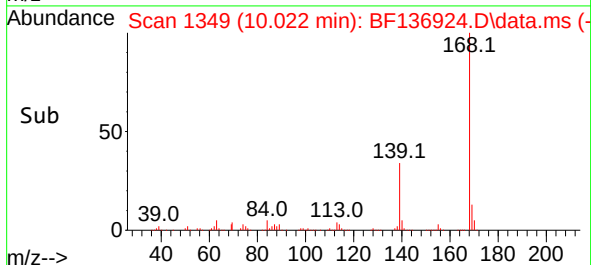
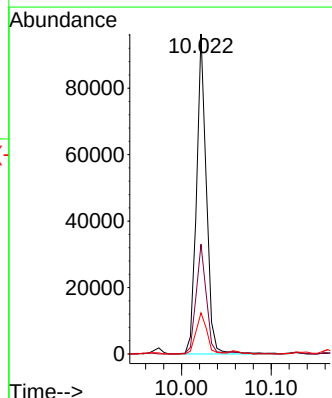
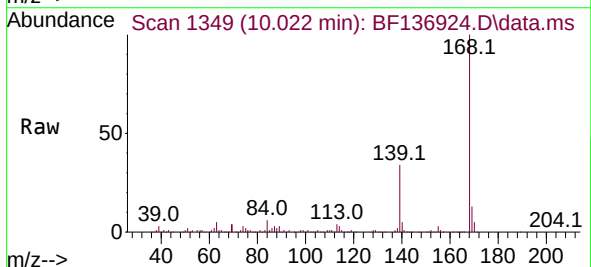
Manual Integrations
APPROVED

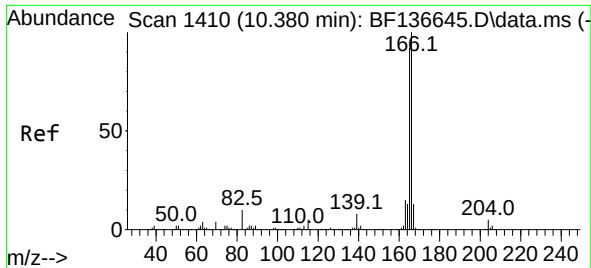
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#55
Dibenzofuran
Concen: 9.659 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

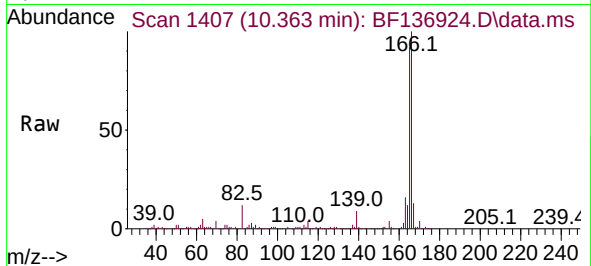
Tgt Ion:168 Resp: 73790
Ion Ratio Lower Upper
168 100
139 34.3 29.3 43.9
169 12.9 11.0 16.4





#58
Fluorene
Concen: 13.845 ng
RT: 10.363 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

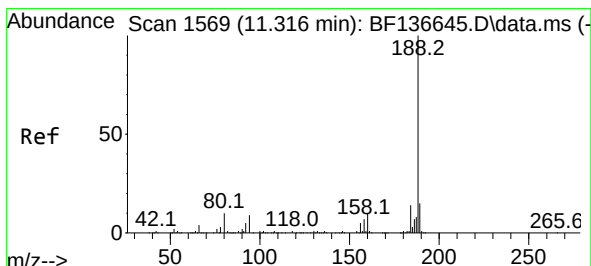
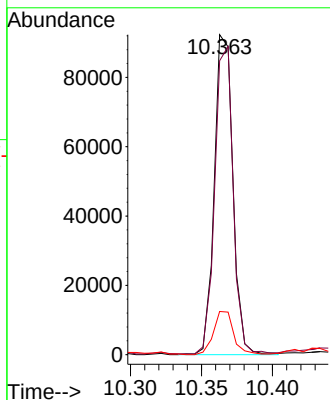
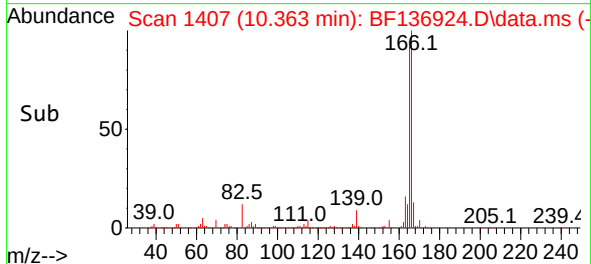
Instrument :
BNA_F
ClientSampleId :
GHL-SS-01



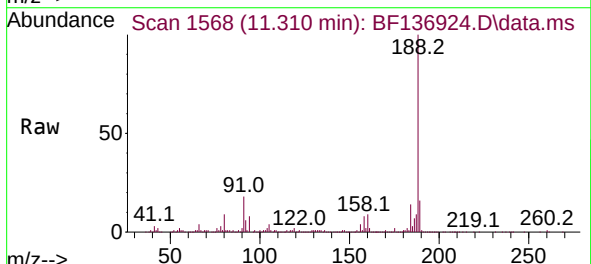
Tgt Ion:166 Resp: 8392
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 13.5 10.4 15.6

Manual Integrations
APPROVED

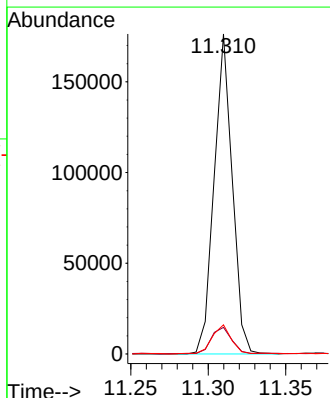
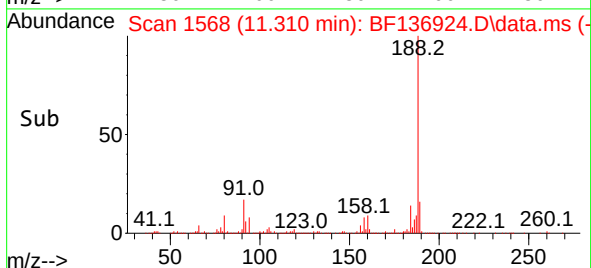
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024

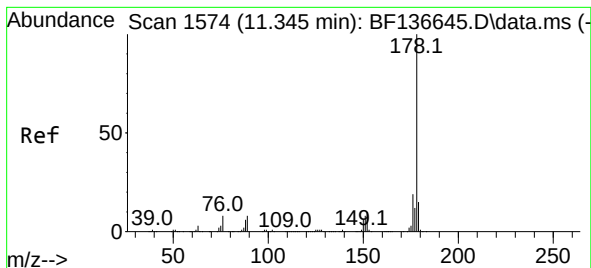


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00



Tgt Ion:188 Resp: 143517
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.1 8.1 12.1





#71

Phenanthrene

Concen: 38.515 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

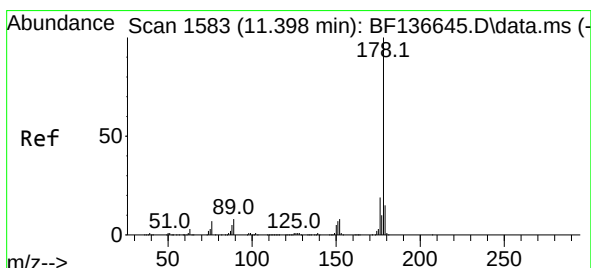
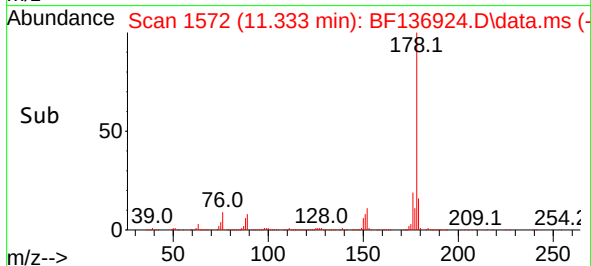
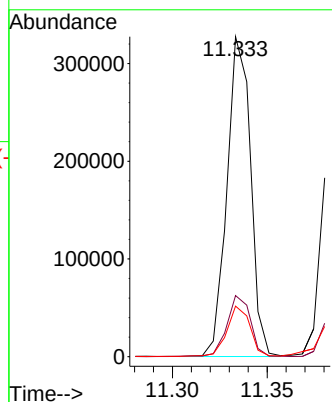
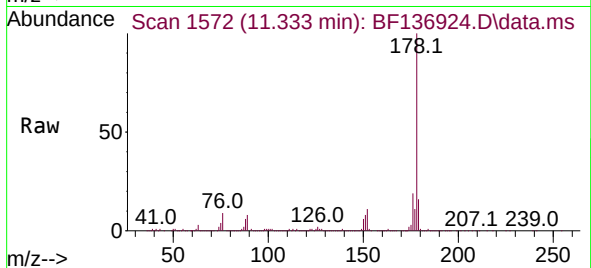
GHL-SS-01

Tgt Ion:178 Resp: 283629
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.3 22.9
 179 15.8 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024



#72

Anthracene

Concen: 56.614 ng

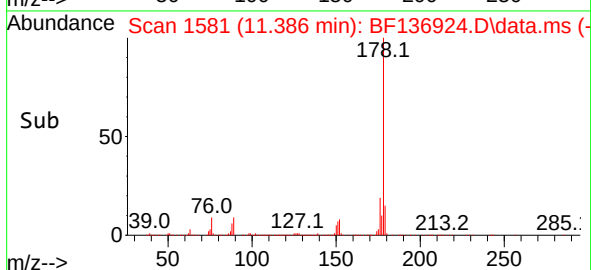
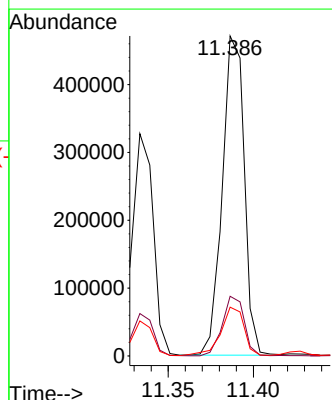
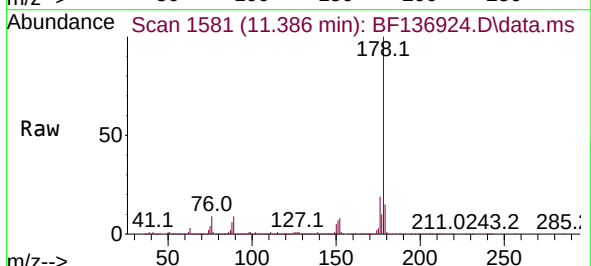
RT: 11.386 min Scan# 1581

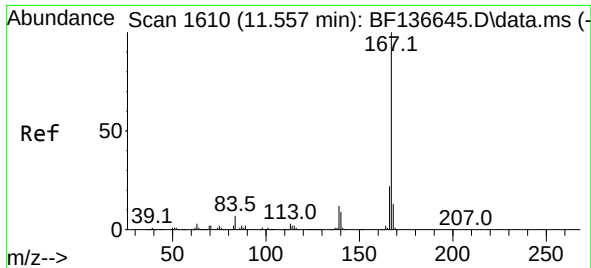
Delta R.T. -0.012 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

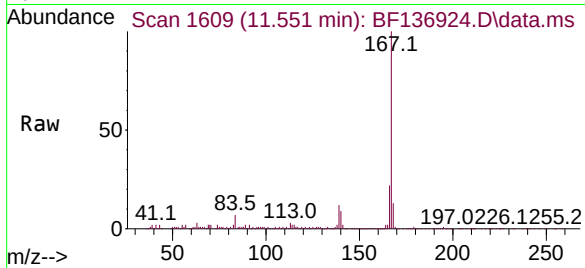
Tgt Ion:178 Resp: 422210
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 15.3 11.8 17.6





#73
 Carbazole
 Concen: 18.754 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF136924.D
 Acq: 04 Jan 2024 00:00

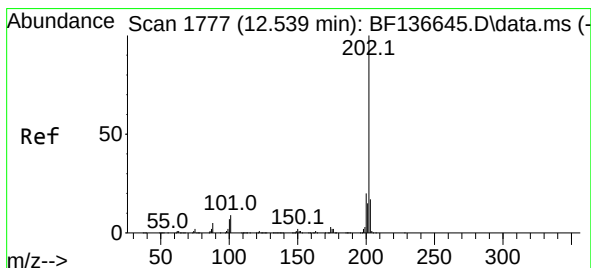
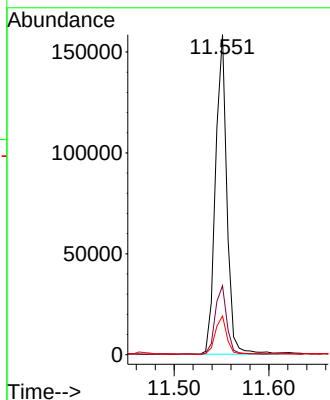
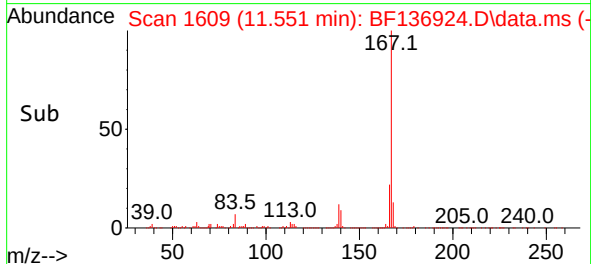
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-01



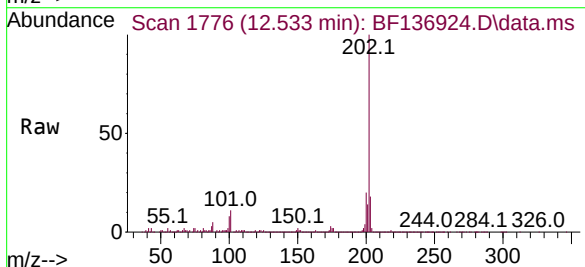
Tgt Ion:167 Resp: 131864
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 12.1 9.8 14.6

Manual Integrations
 APPROVED

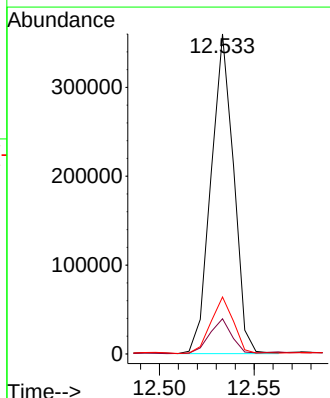
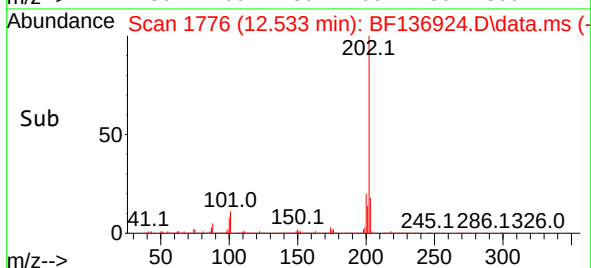
Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024

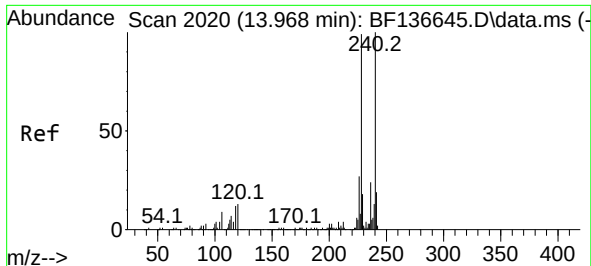


#75
 Fluoranthene
 Concen: 37.984 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF136924.D
 Acq: 04 Jan 2024 00:00



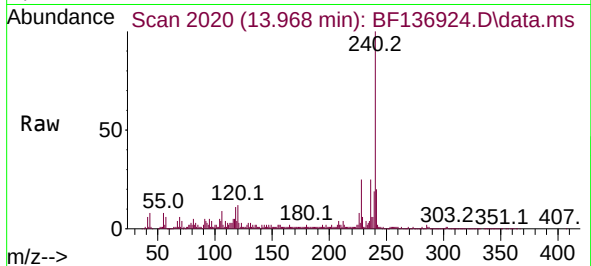
Tgt Ion:202 Resp: 299196
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 29.3
 203 17.8 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00

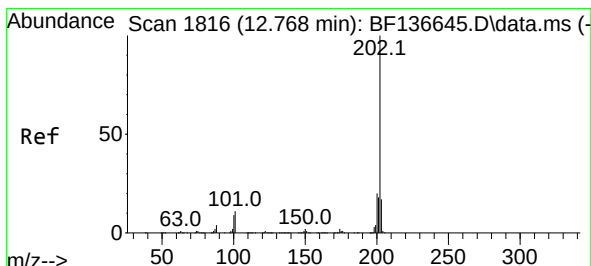
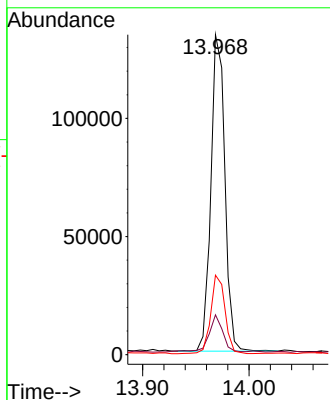
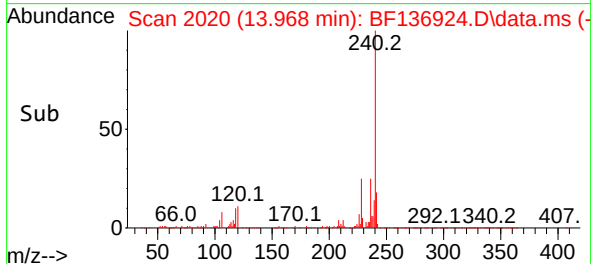
Instrument :
BNA_F
ClientSampleId :
GHL-SS-01



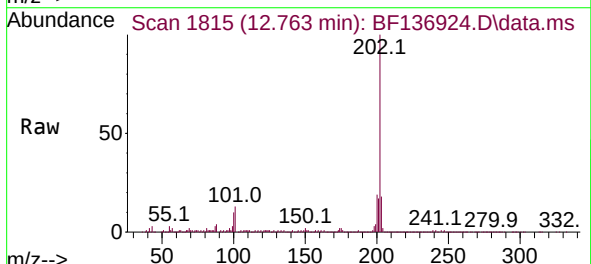
Tgt Ion:240 Resp: 122117
Ion Ratio Lower Upper
240 100
120 12.5 10.3 15.5
236 24.9 19.4 29.2

Manual Integrations
APPROVED

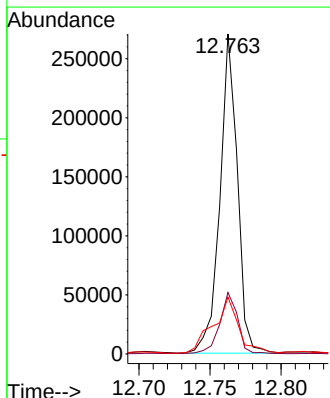
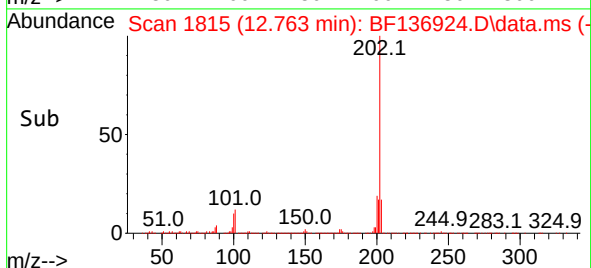
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024

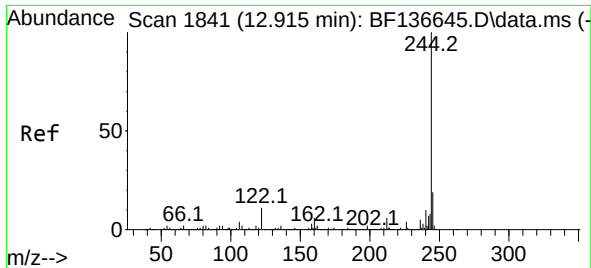


#78
Pyrene
Concen: 19.203 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136924.D
Acq: 04 Jan 2024 00:00



Tgt Ion:202 Resp: 230197
Ion Ratio Lower Upper
202 100
200 19.2 15.9 23.9
203 17.8 13.8 20.6





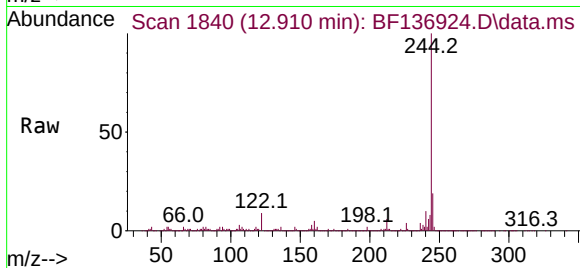
#79
 Terphenyl-d14
 Concen: 52.112 ng
 RT: 12.910 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136924.D
 Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

GHL-SS-01



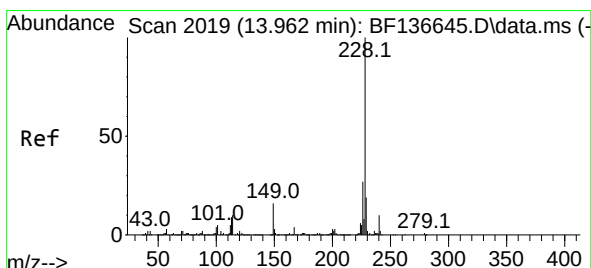
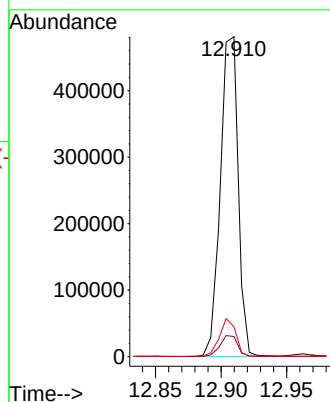
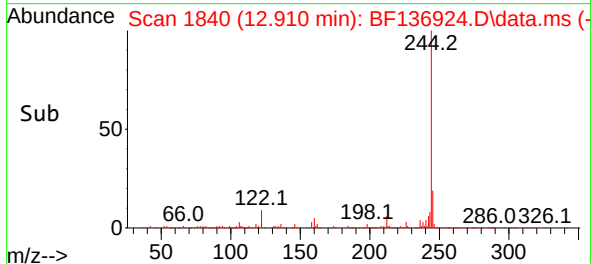
Tgt Ion:244 Resp: 455372
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 9.4 9.0 13.4

Manual Integrations

APPROVED

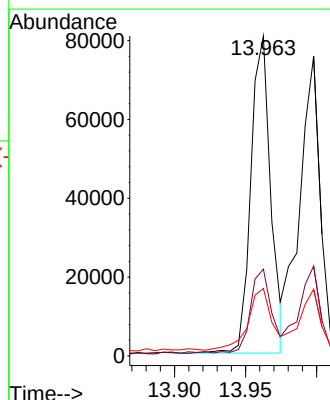
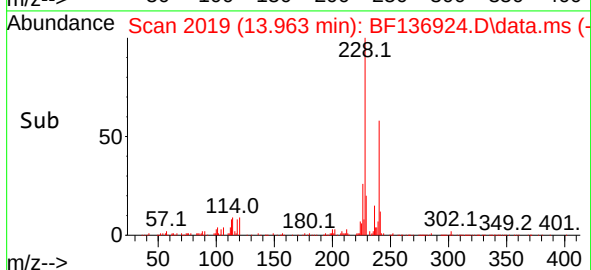
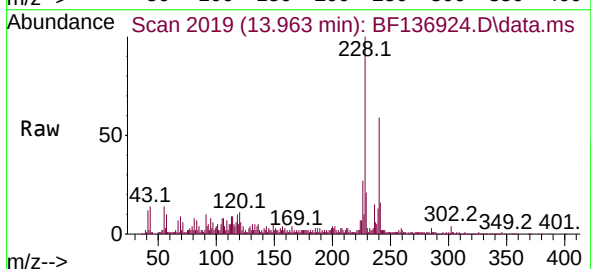
Reviewed By :Yogesh Patel 01/04/2024

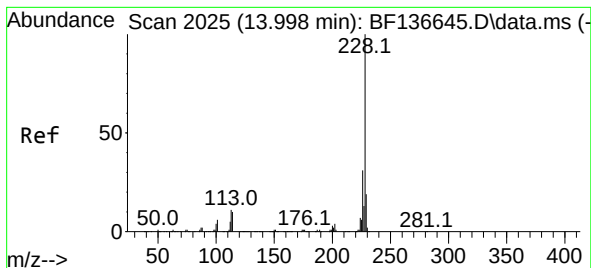
Supervised By :mohammad ahmed 01/04/2024



#81
 Benzo(a)anthracene
 Concen: 9.210 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF136924.D
 Acq: 04 Jan 2024 00:00

Tgt Ion:228 Resp: 78095
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.4 32.0
 229 21.1 14.9 22.3





#83

Chrysene

Concen: 9.343 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

GHL-SS-01

Tgt Ion:228 Resp: 7747

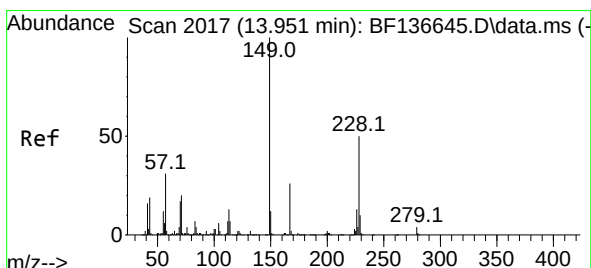
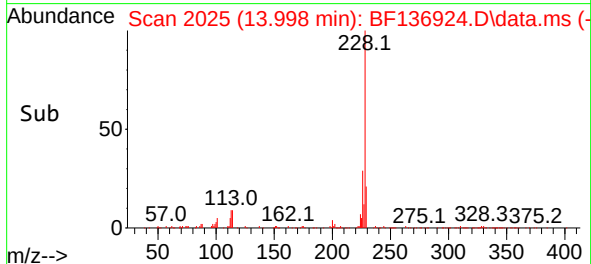
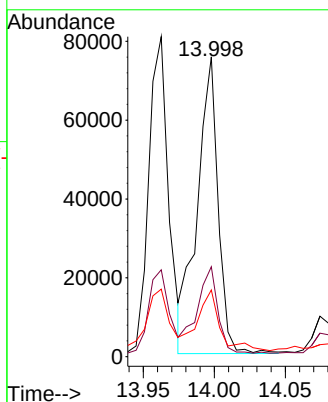
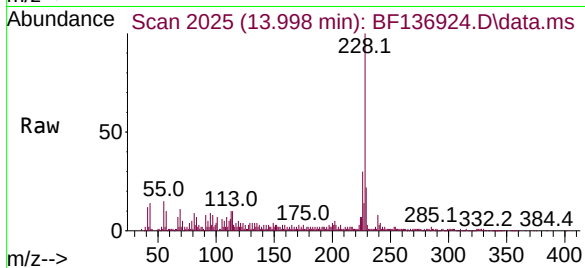
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	22.3	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.135 ng

RT: 13.951 min Scan# 2017

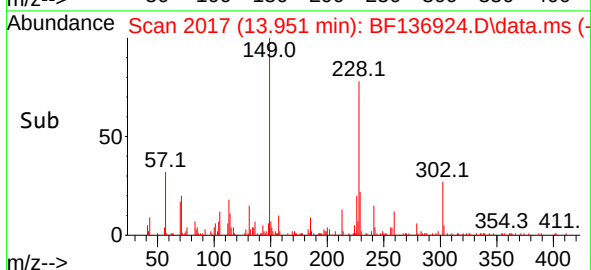
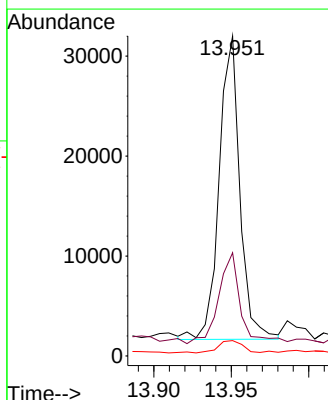
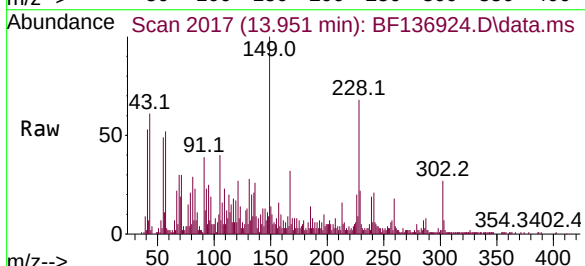
Delta R.T. 0.000 min

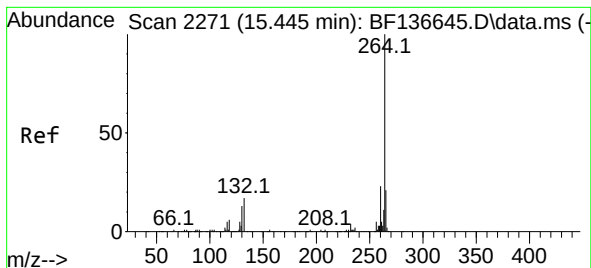
Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Tgt Ion:149 Resp: 28181

Ion	Ratio	Lower	Upper
149	100		
167	32.3	20.9	31.3#
279	4.8	2.9	4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Instrument :

BNA_F

ClientSampleId :

GHL-SS-01

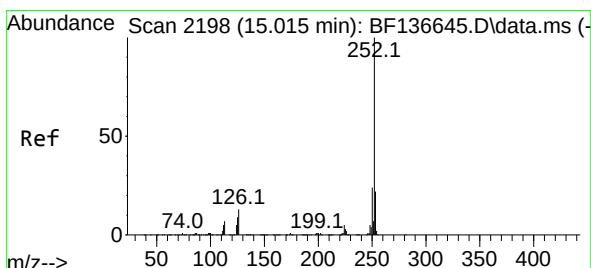
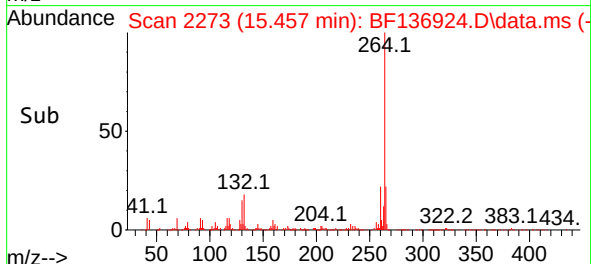
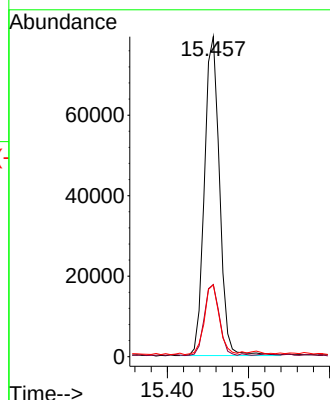
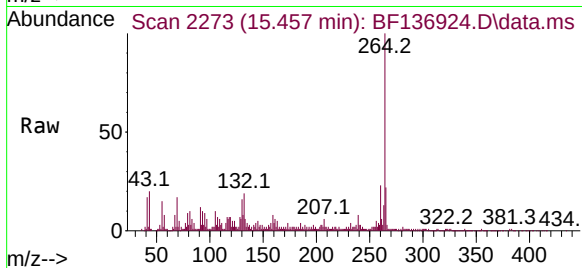
Tgt Ion:	264	Resp:	10207
Ion Ratio	Lower	Upper	
264	100		
260	22.5	18.3	27.5
265	22.5	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#88

Benzo(b)fluoranthene

Concen: 7.071 ng m

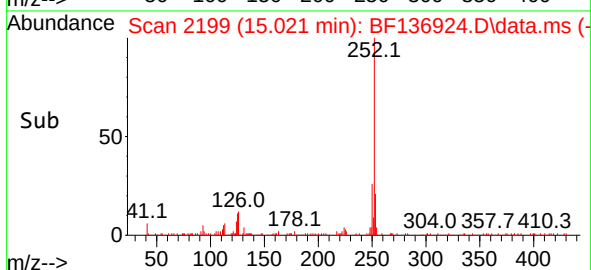
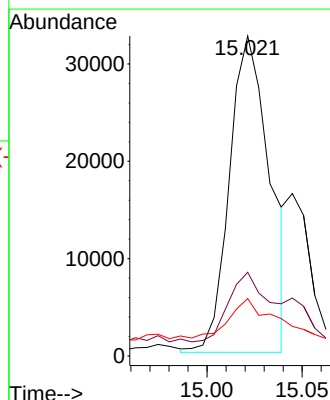
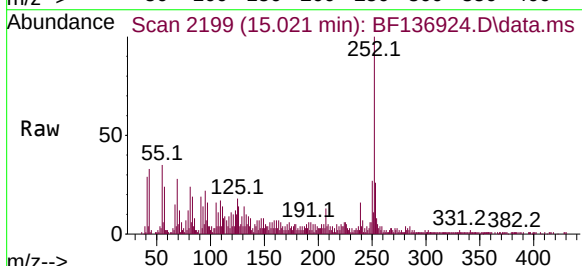
RT: 15.021 min Scan# 2199

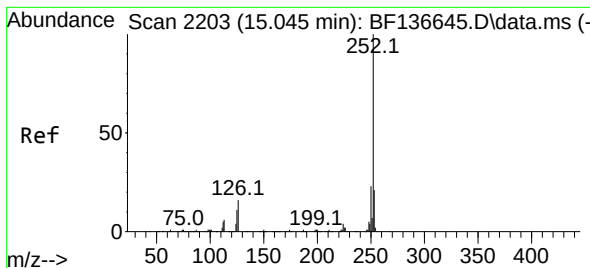
Delta R.T. 0.006 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Tgt Ion:	252	Resp:	48207
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.4	26.0#
125	18.0	7.4	11.2#





#89

Benzo(k)fluoranthene

Concen: 2.100 ng m

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Instrument :

BNF

ClientSampleId :

GHL-SS-01

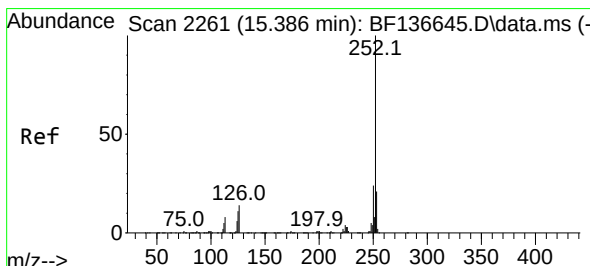
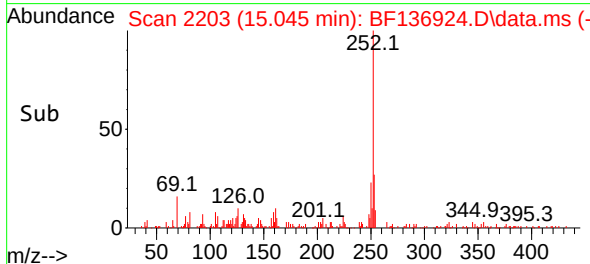
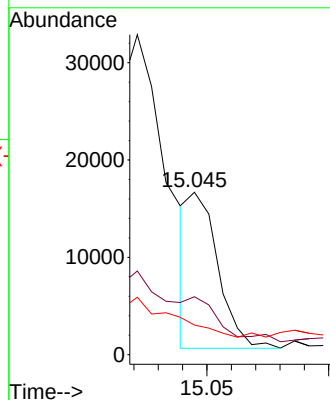
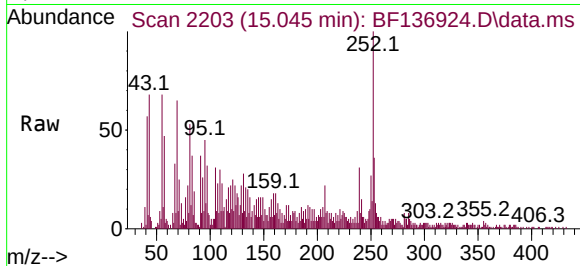
Tgt Ion:	252	Resp:	1353
Ion Ratio	Lower	Upper	
252	100		
253	35.7	17.0	25.6
125	18.3	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#90

Benzo(a)pyrene

Concen: 4.677 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF136924.D

Acq: 04 Jan 2024 00:00

Tgt Ion:	252	Resp:	26914
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.0	25.6
125	16.3	8.8	13.2

