

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
 Data File : BF136894.D
 Acq On : 03 Jan 2024 03:12
 Operator : CG\JU
 Sample : 05899-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-05

Manual Integrations
 APPROVED

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

Quant Time: Jan 03 04:21:24 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	72522	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	272397	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	127837	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	206547	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	132614	20.000	ng	0.00
86) Perylene-d12	15.445	264	137152	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	474804	102.152	ng	0.00
7) Phenol-d6	6.434	99	591782	98.259	ng	0.00
23) Nitrobenzene-d5	7.345	82	364849	68.539	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	143788	95.504	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	702258	73.885	ng	-0.02
79) Terphenyl-d14	12.904	244	551559	58.123	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	35220	3.323	ng	100
75) Fluoranthene	12.522	202	72821	6.424	ng	97
78) Pyrene	12.751	202	60144	4.620	ng	97
81) Benzo(a)anthracene	13.951	228	41549	4.512	ng	95
83) Chrysene	13.986	228	35605	3.954	ng	93
84) Bis(2-ethylhexyl)phtha...	13.945	149	17812	2.989	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.939	276	27161	2.743	ng	100
88) Benzo(b)fluoranthene	15.010	252	63206m	6.900	ng	
89) Benzo(k)fluoranthene	15.033	252	20921m	2.417	ng	
90) Benzo(a)pyrene	15.380	252	37116	4.800	ng	99
92) Benzo(g,h,i)perylene	17.398	276	22596	2.716	ng	98

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

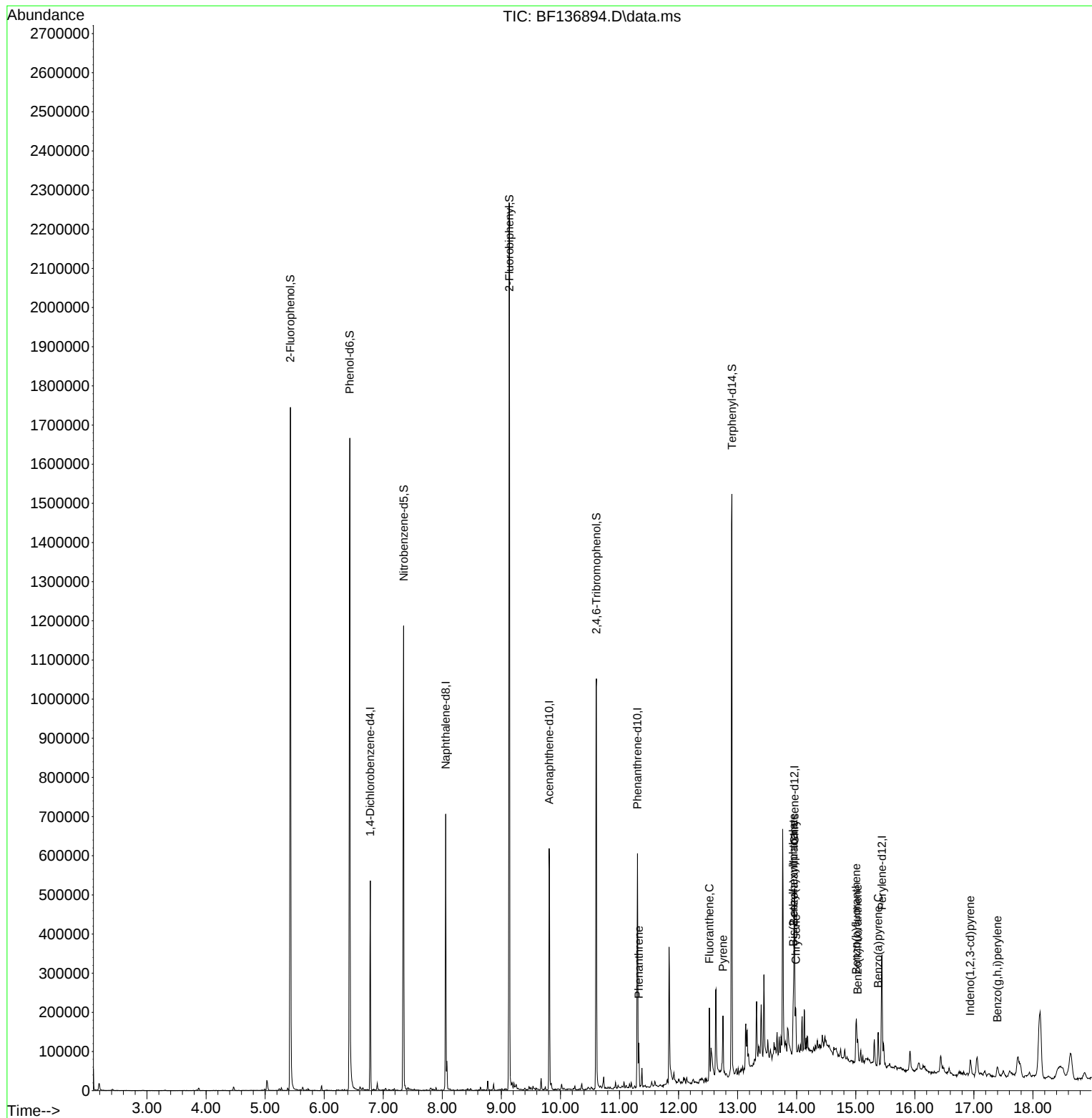
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010224\
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QLast Update : Thu Dec 21 01:54:25 2023
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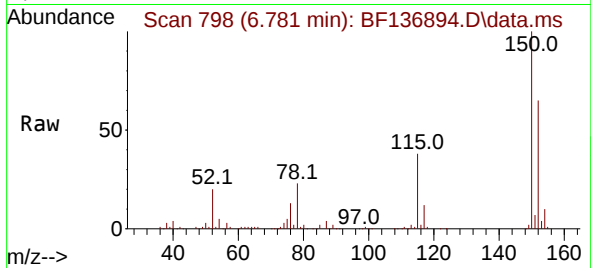
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

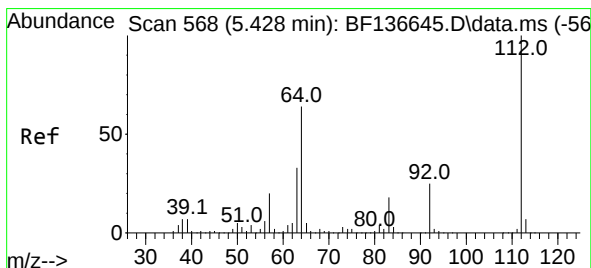
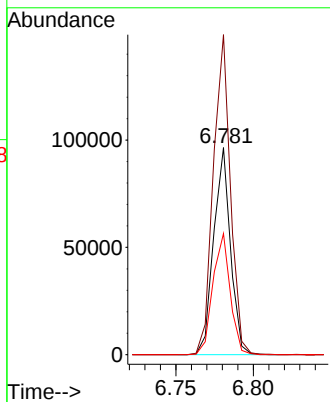
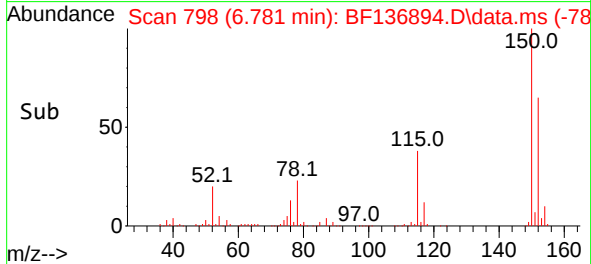
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05



Tgt Ion:152 Resp: 7252
Ion Ratio Lower Upper
152 100
150 154.5 127.0 190.6
115 58.5 49.0 73.4

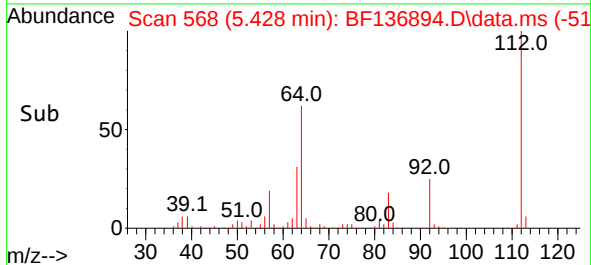
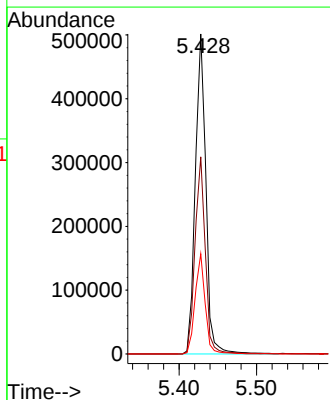
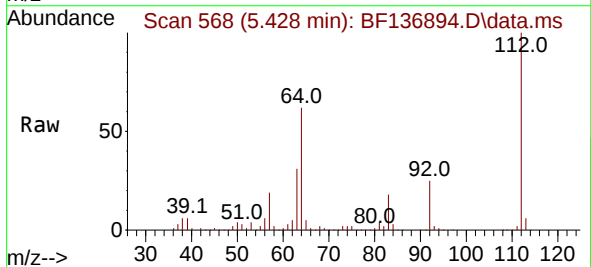
Manual Integrations
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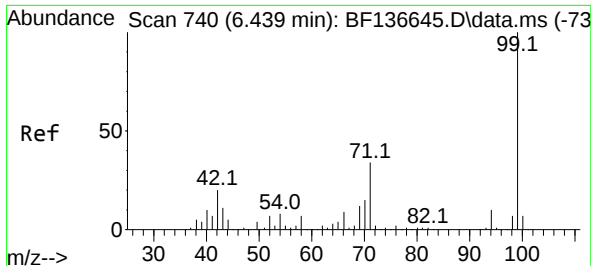
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#5
2-Fluorophenol
Concen: 102.152 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

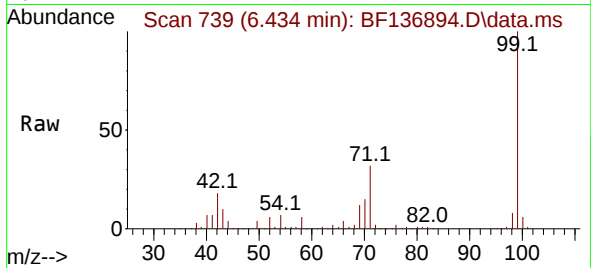
Tgt Ion:112 Resp: 474804
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 31.3 26.1 39.1





#7
Phenol-d6
Concen: 98.259 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

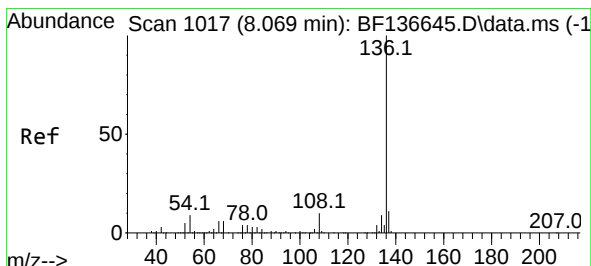
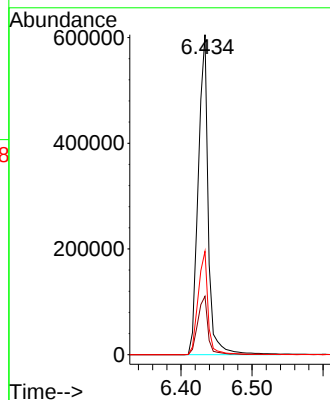
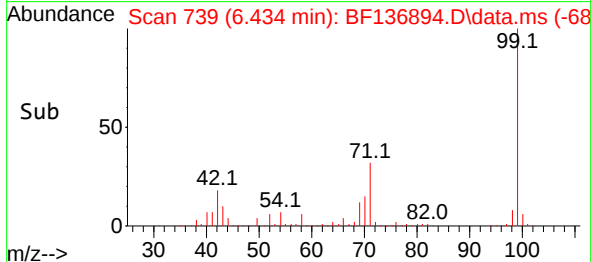
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05



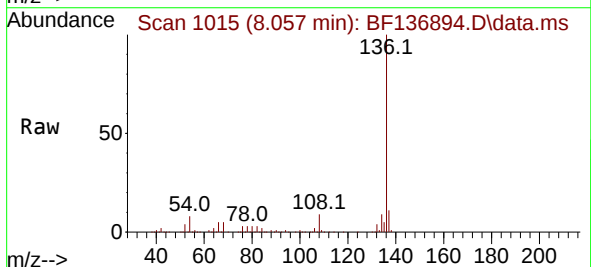
Tgt Ion: 99 Resp: 59178
Ion Ratio Lower Upper
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42 18.2 16.1 24.1
71 32.3 27.4 41.2

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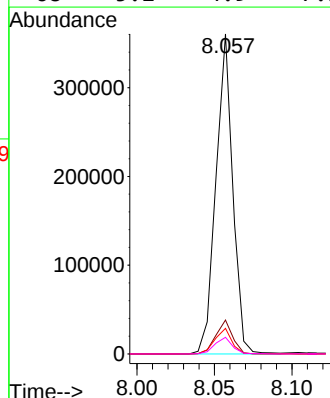
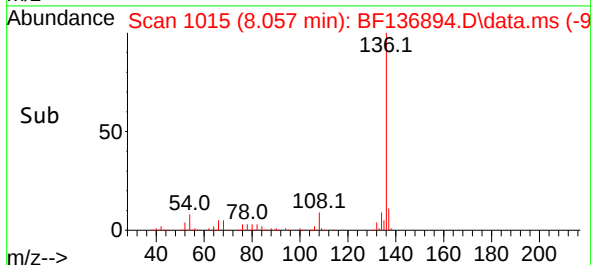
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024

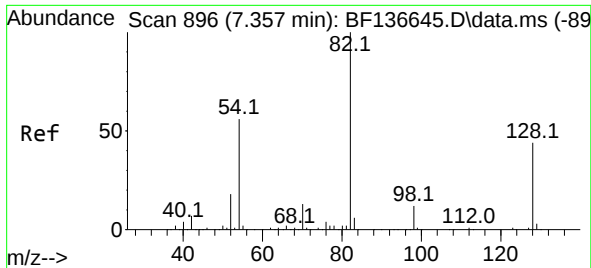


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12



Tgt Ion:136 Resp: 272397
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.0 7.2 10.8
68 5.2 4.9 7.3





#23
Nitrobenzene-d5
Concen: 68.539 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

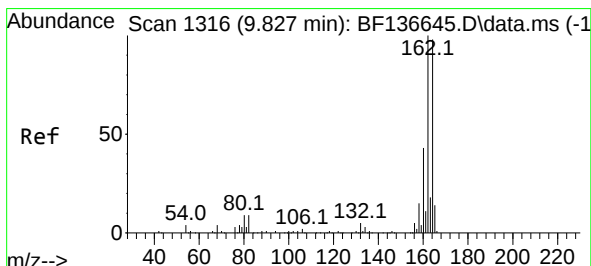
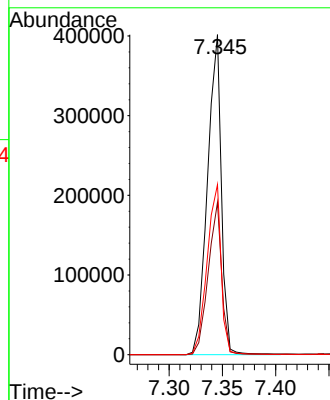
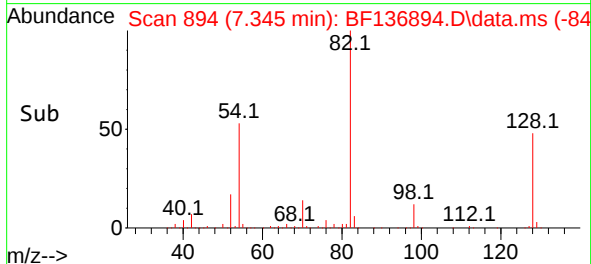
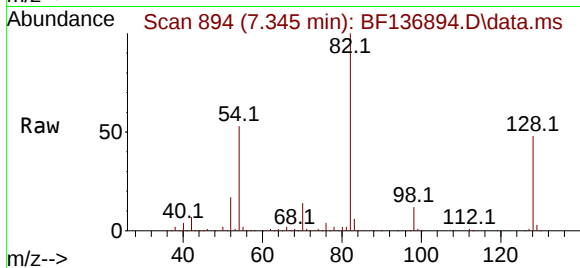
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Tgt Ion: 82 Resp: 364849
Ion Ratio Lower Upper
82 100
128 47.6 35.3 52.9
54 53.2 44.5 66.7

Manual Integrations

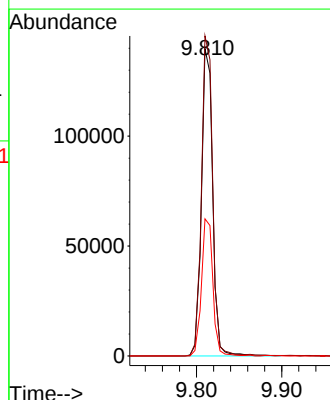
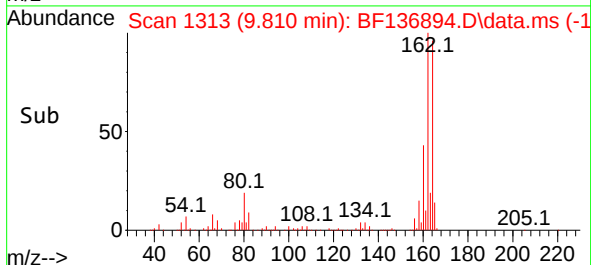
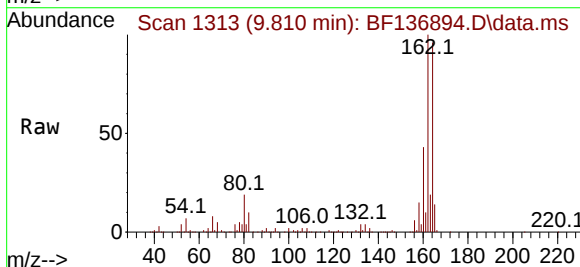
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Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Tgt Ion:164 Resp: 127837
Ion Ratio Lower Upper
164 100
162 104.2 81.6 122.4
160 44.6 34.9 52.3





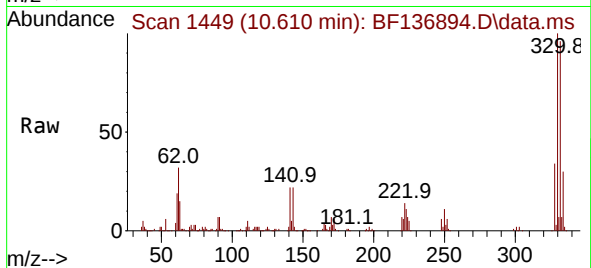
#42
2,4,6-Tribromophenol
Concen: 95.504 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05



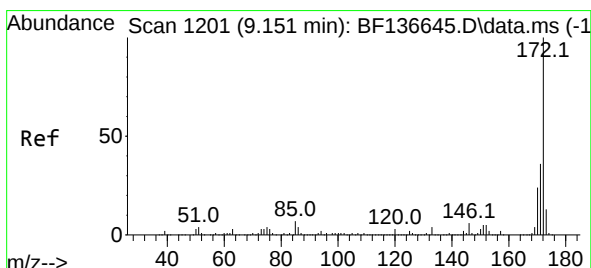
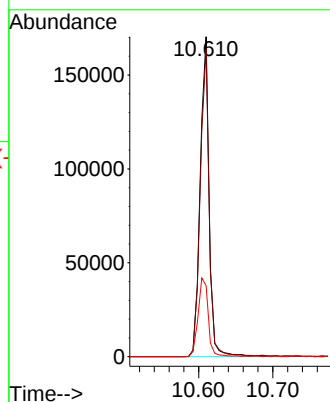
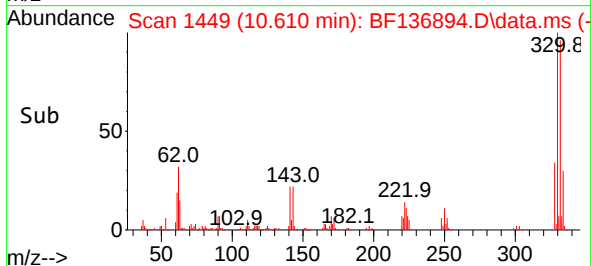
Tgt Ion:330 Resp: 143788
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 27.8 23.4 35.2

Manual Integrations

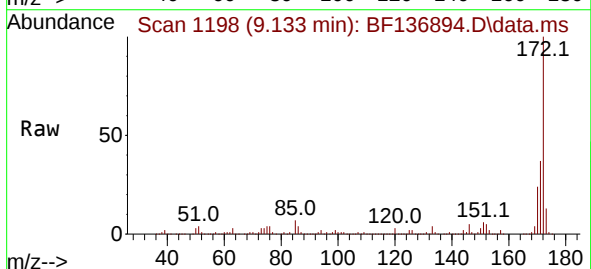
APPROVED

Reviewed By :Yogesh Patel 01/03/2024

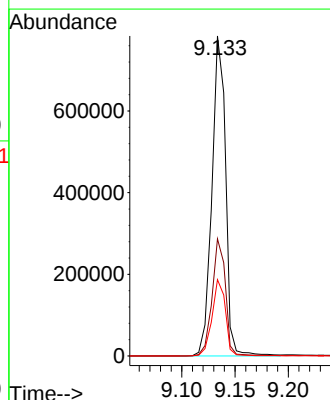
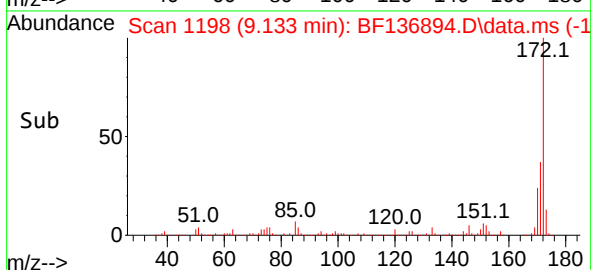
Supervised By :mohammad ahmed 01/03/2024

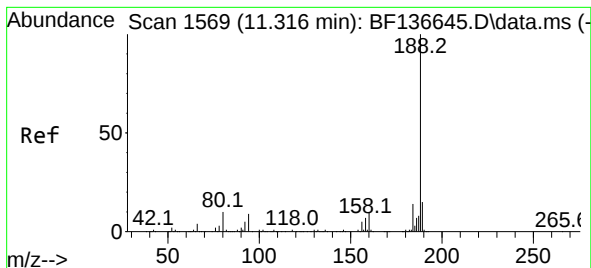


#45
2-Fluorobiphenyl
Concen: 73.885 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12



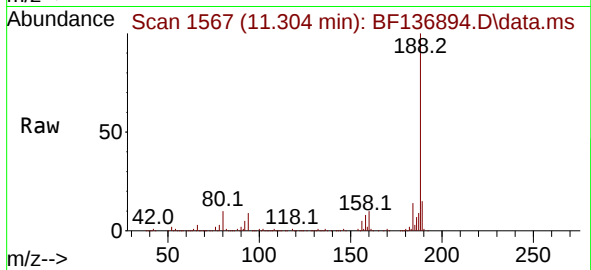
Tgt Ion:172 Resp: 702258
Ion Ratio Lower Upper
172 100
171 36.6 29.0 43.6
170 23.9 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

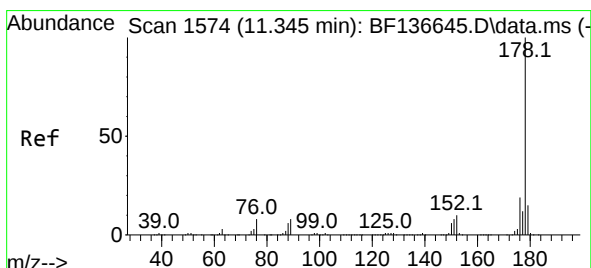
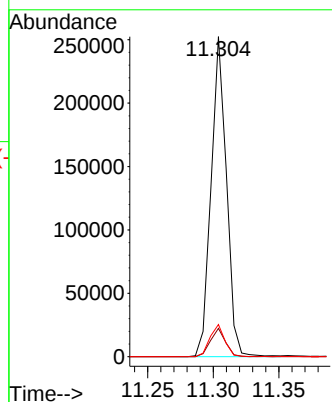
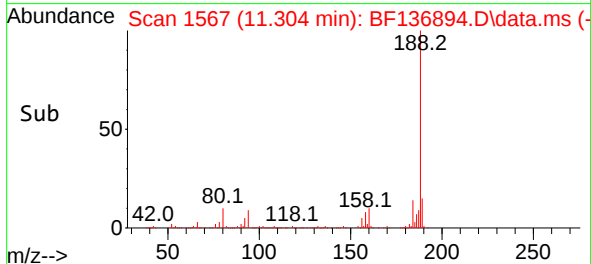
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05



Tgt Ion:188 Resp: 20654
Ion Ratio Lower Upper
188 100
94 8.8 7.5 11.3
80 10.1 8.1 12.1

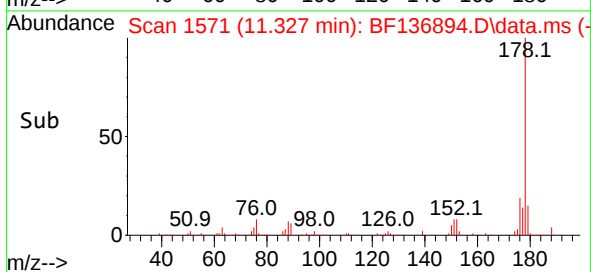
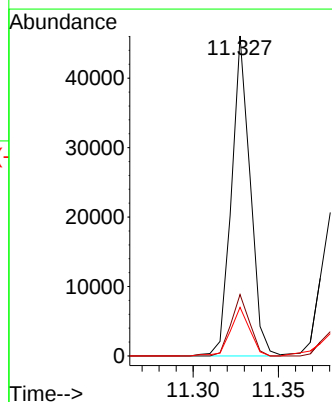
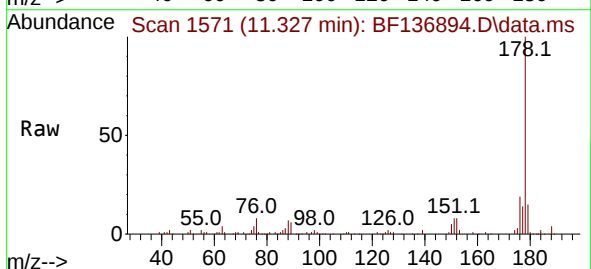
Manual Integrations
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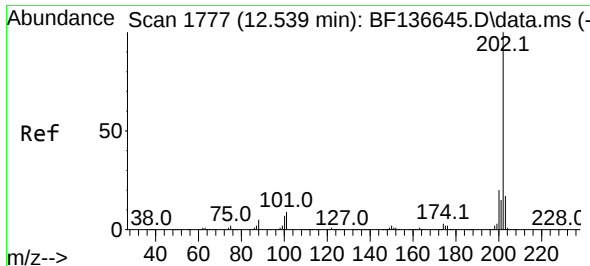
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#71
Phenanthrene
Concen: 3.323 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

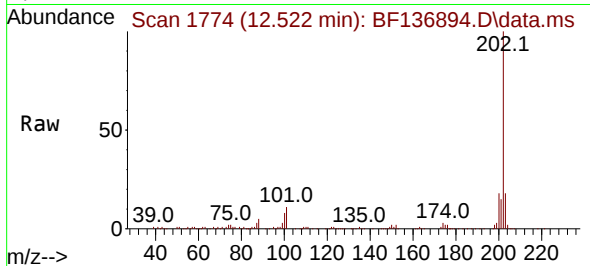
Tgt Ion:178 Resp: 35220
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 11.9 17.9





#75
Fluoranthene
Concen: 6.424 ng
RT: 12.522 min Scan# 1774
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

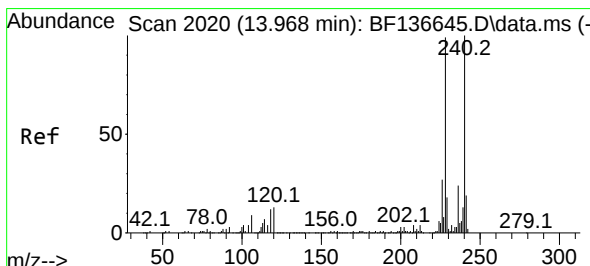
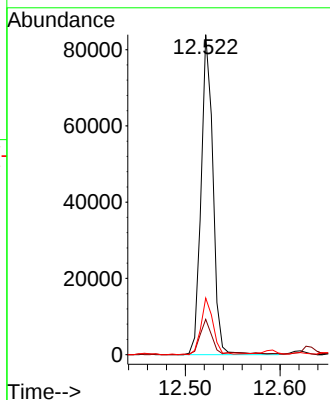
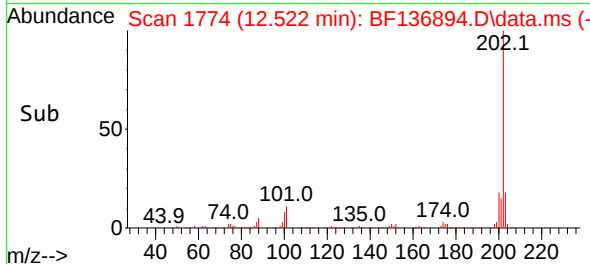
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05



Tgt Ion:202 Resp: 7282
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.3
203 17.7 0.0 37.1

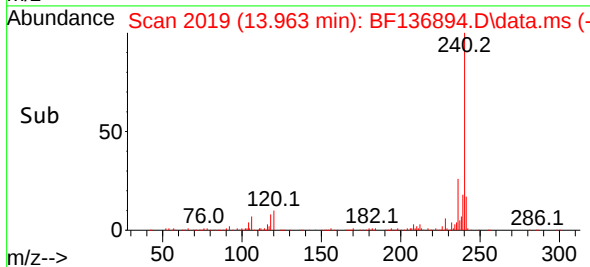
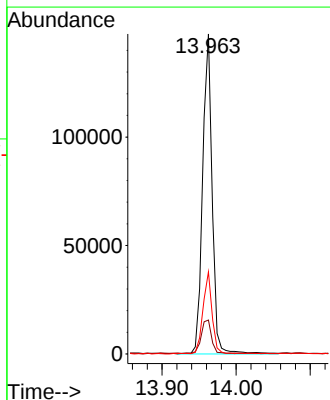
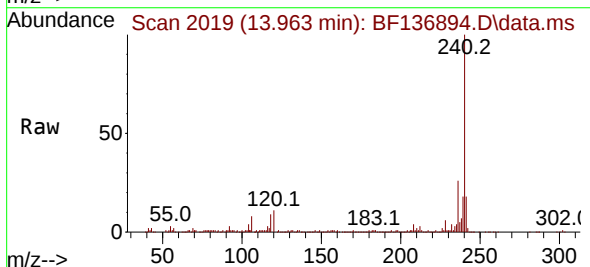
Manual Integrations
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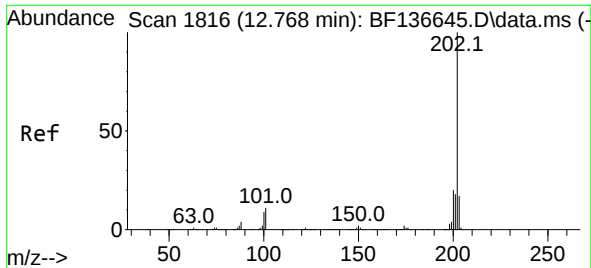
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

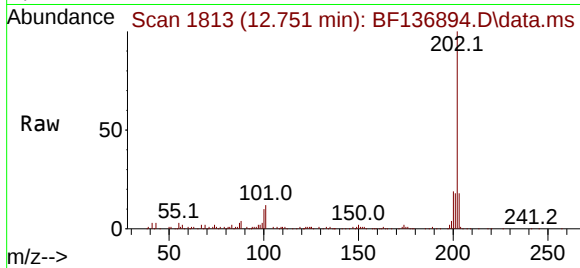
Tgt Ion:240 Resp: 132614
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 25.6 19.4 29.2





#78
Pyrene
Concen: 4.620 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.018 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

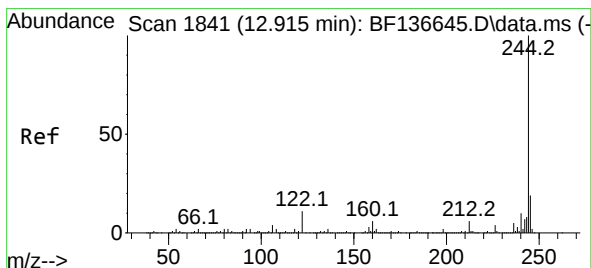
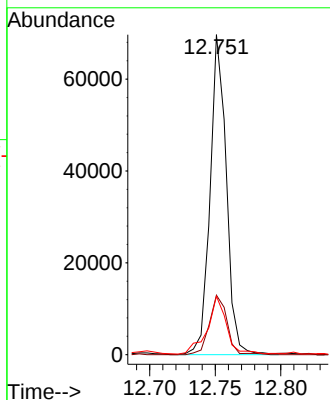
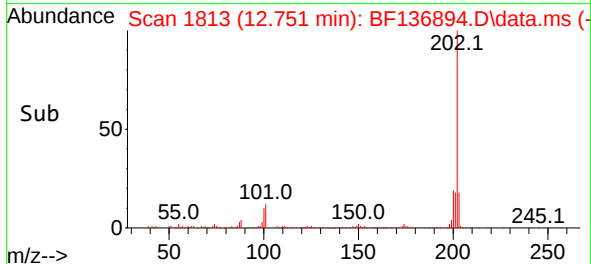
Instrument :
BNA_F
ClientSampleId :
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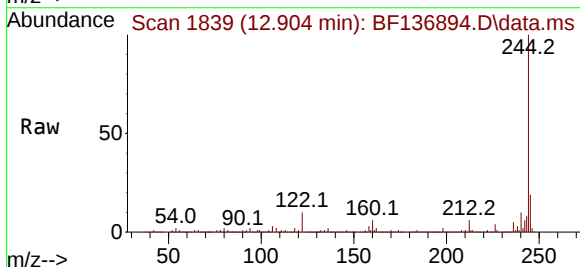
Tgt Ion:202 Resp: 6014
Ion Ratio Lower Upper
202 100
200 18.6 15.9 23.9
203 18.2 13.8 20.6

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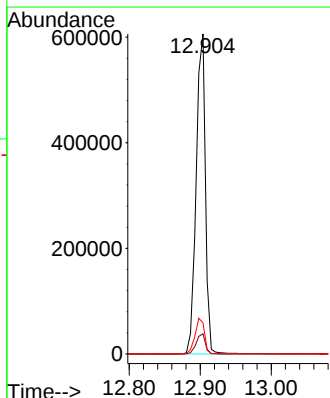
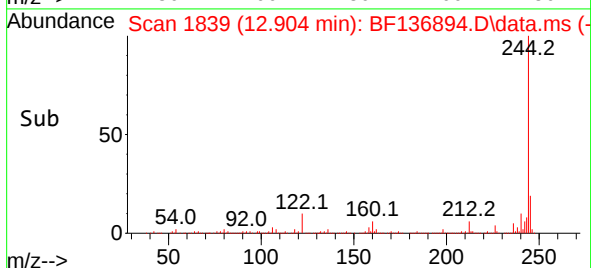
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024

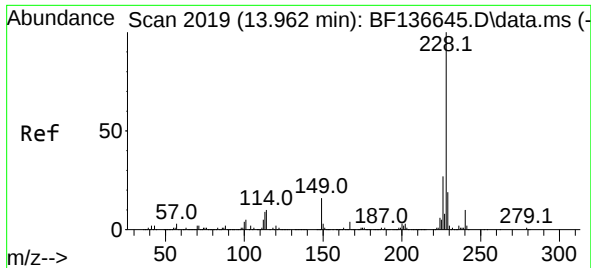


#79
Terphenyl-d14
Concen: 58.123 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12



Tgt Ion:244 Resp: 551559
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.4
122 9.7 9.0 13.4





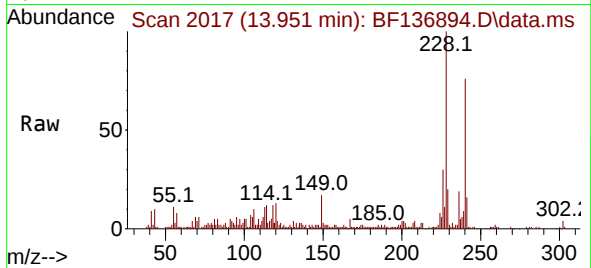
#81
Benzo(a)anthracene
Concen: 4.512 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

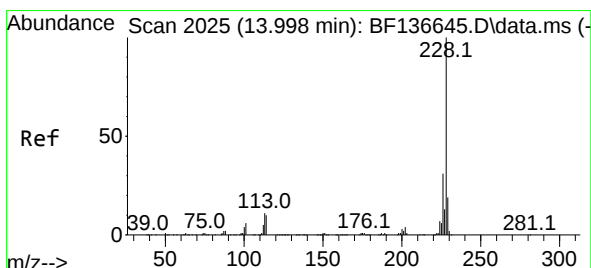
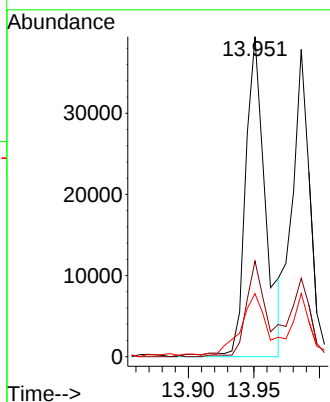
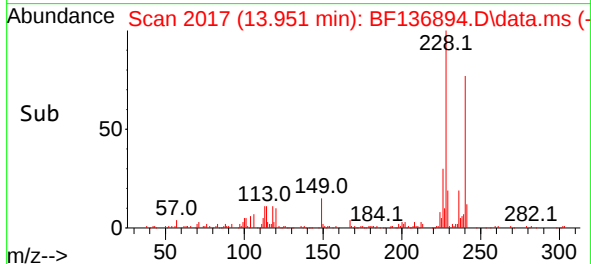


Tgt Ion:228 Resp: 41549
Ion Ratio Lower Upper
228 100
226 29.9 21.4 32.0
229 19.7 14.9 22.3

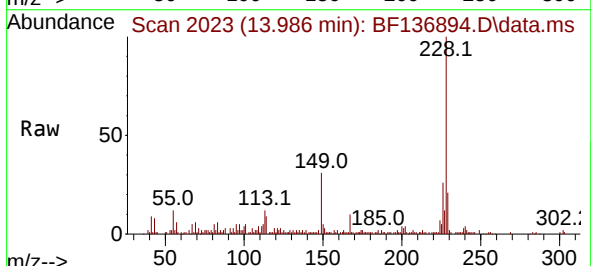
Manual Integrations

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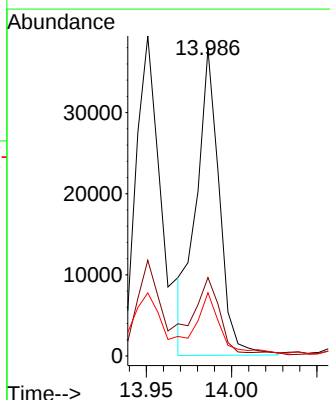
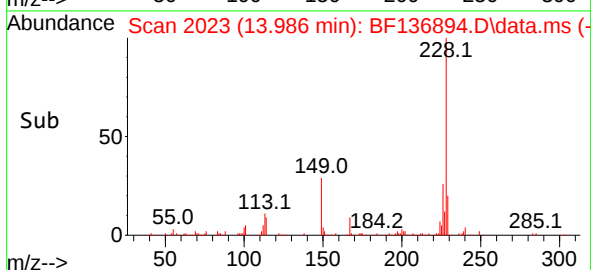
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024

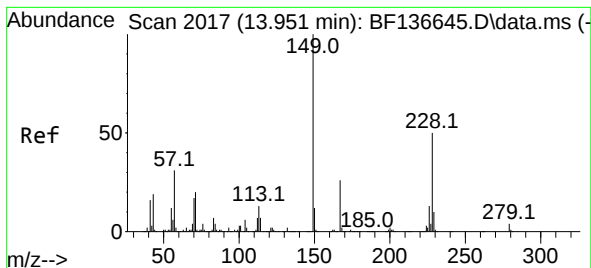


#83
Chrysene
Concen: 3.954 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12



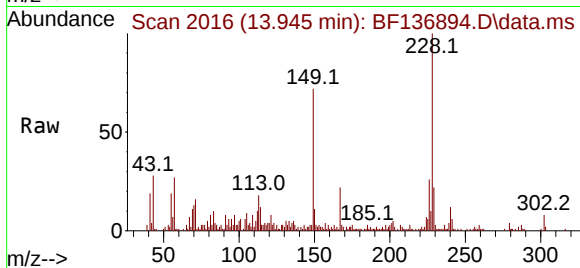
Tgt Ion:228 Resp: 35605
Ion Ratio Lower Upper
228 100
226 25.5 24.7 37.1
229 20.6 15.4 23.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.989 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12

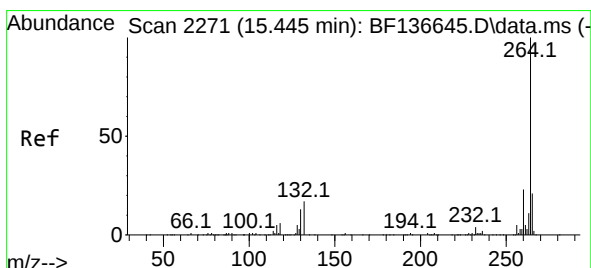
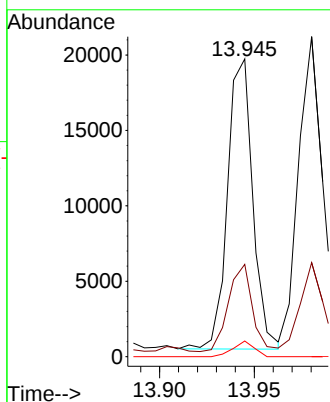
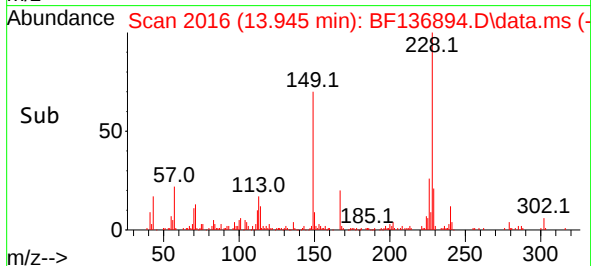
Instrument :
BNA_F
ClientSampleId :
GHL-SS-05



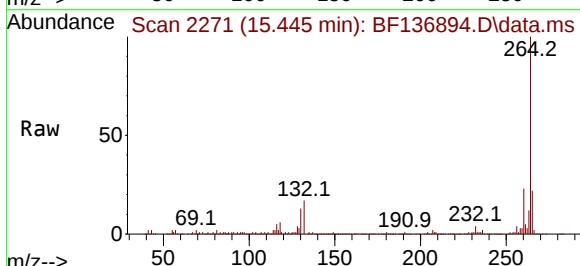
Tgt Ion:149 Resp: 1781
Ion Ratio Lower Upper
149 100
167 31.0 20.9 31.3
279 5.3 2.9 4.3

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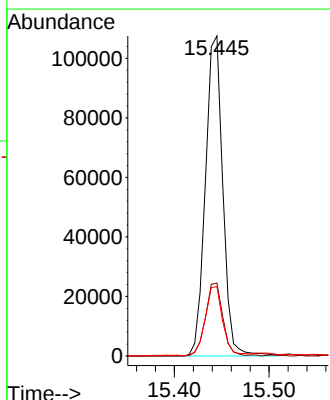
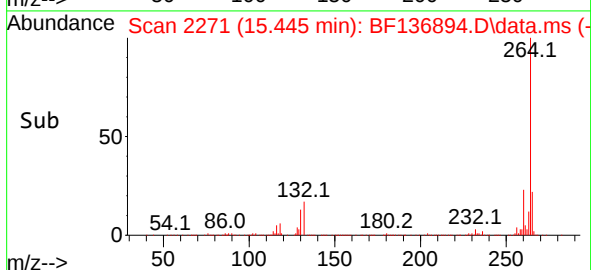
Reviewed By :Yogesh Patel 01/03/2024
Supervised By :mohammad ahmed 01/03/2024

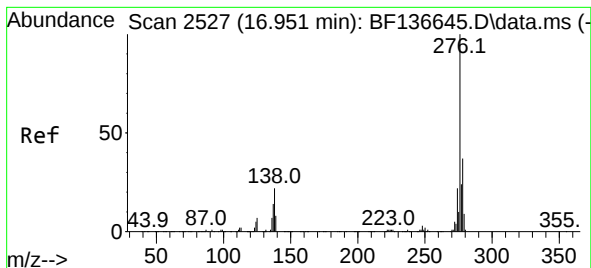


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136894.D
Acq: 03 Jan 2024 03:12



Tgt Ion:264 Resp: 137152
Ion Ratio Lower Upper
264 100
260 22.8 18.3 27.5
265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.743 ng

RT: 16.939 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

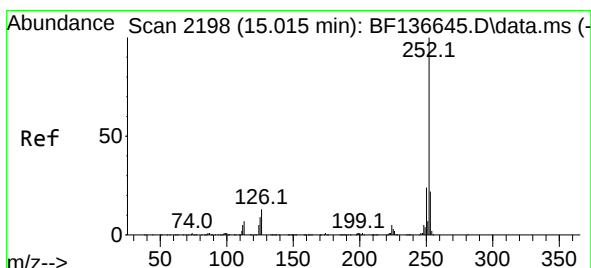
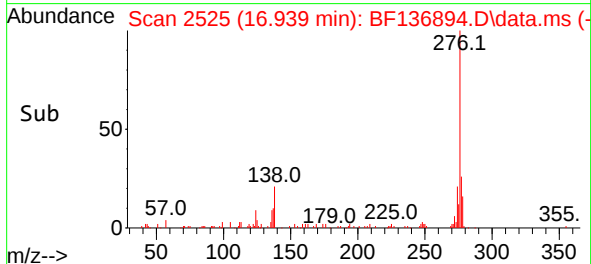
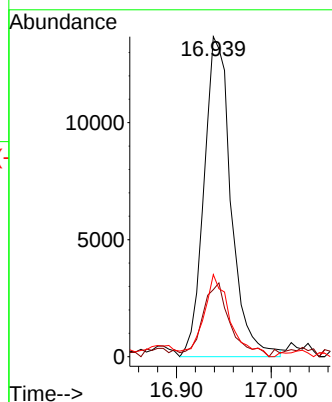
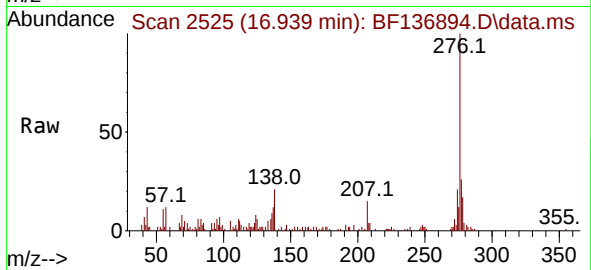
Tgt Ion:	276	Resp:	2716
Ion Ratio	Lower	Upper	
276	100		
138	23.4	18.7	28.1
277	24.9	20.2	30.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#88

Benzo(b)fluoranthene

Concen: 6.900 ng m

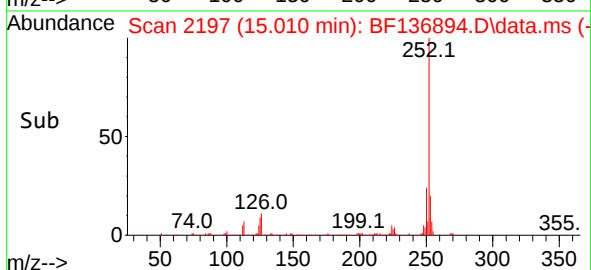
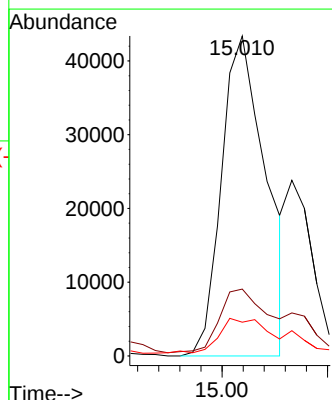
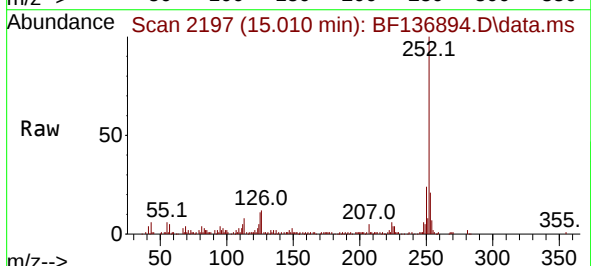
RT: 15.010 min Scan# 2197

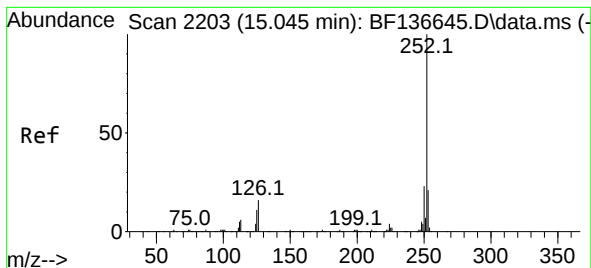
Delta R.T. -0.006 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Tgt Ion:	252	Resp:	63206
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.4	26.0
125	10.5	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 2.417 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05

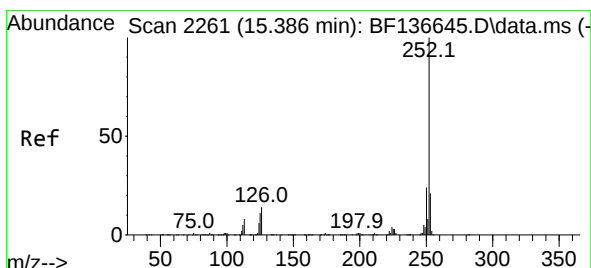
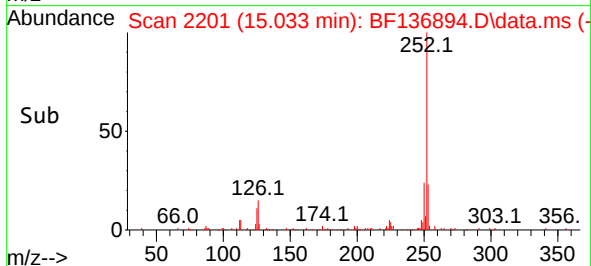
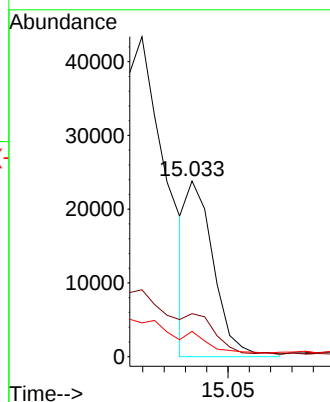
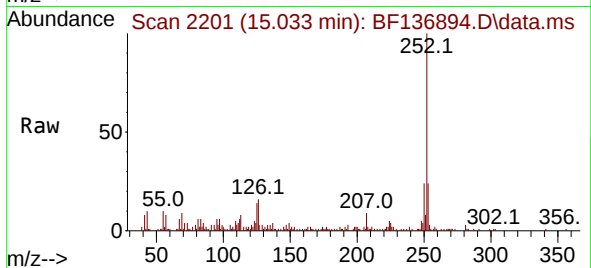
Tgt Ion:252 Resp: 2092
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.6
125 14.4 8.2 12.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024



#90

Benzo(a)pyrene

Concen: 4.800 ng

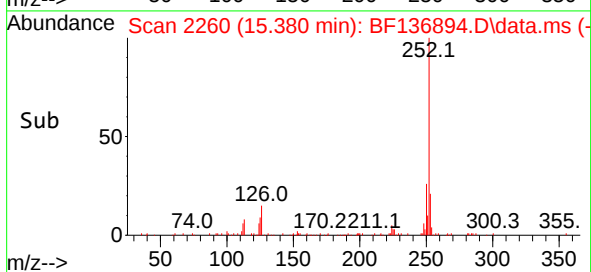
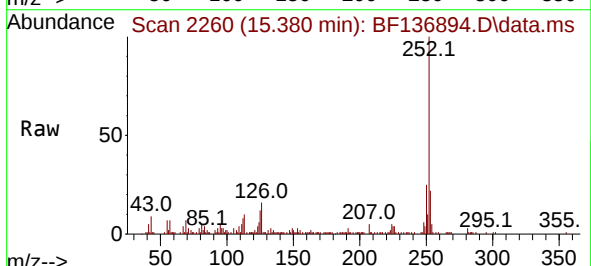
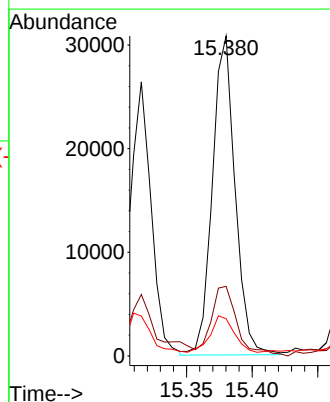
RT: 15.380 min Scan# 2260

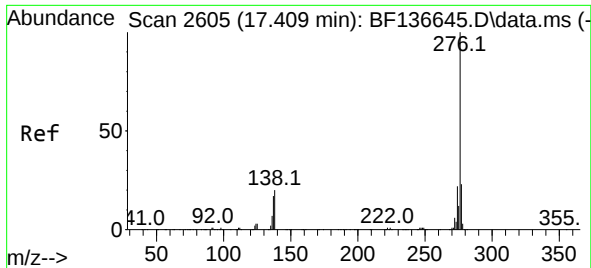
Delta R.T. -0.006 min

Lab File: BF136894.D

Acq: 03 Jan 2024 03:12

Tgt Ion:252 Resp: 37116
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 11.7 8.8 13.2





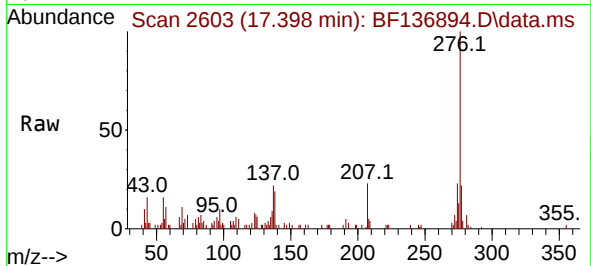
#92
 Benzo(g,h,i)perylene
 Concen: 2.716 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136894.D
 Acq: 03 Jan 2024 03:12

Instrument :

BNA_F

ClientSampleId :

GHL-SS-05



Tgt Ion:276 Resp: 22590
 Ion Ratio Lower Upper
 276 100
 277 21.6 18.3 27.5
 138 19.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/03/2024

Supervised By :mohammad ahmed 01/03/2024

