

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136920.D
 Acq On : 03 Jan 2024 21:54
 Operator : CG\JU
 Sample : 05897-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31

Manual Integrations
 APPROVED

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

Quant Time: Jan 04 03:42:46 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	63667	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	241152	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	110255	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	170265	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	131995	20.000	ng	0.00
86) Perylene-d12	15.445	264	151115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	405530	99.383	ng	0.00
7) Phenol-d6	6.434	99	499243	94.423	ng	0.00
23) Nitrobenzene-d5	7.345	82	305788	64.886	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	109256	84.140	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	565674	69.006	ng	-0.02
79) Terphenyl-d14	12.898	244	458838	48.578	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.075	128	29830	2.252	ng	99
37) 2-Methylnaphthalene	8.769	142	25532	2.995	ng	89
52) Acenaphthene	9.845	154	27611	4.143	ng	96
55) Dibenzofuran	10.016	168	54598	5.405	ng	96
58) Fluorene	10.363	166	78325	9.772	ng	98
71) Phenanthrene	11.327	178	217142	24.855	ng	99
72) Anthracene	11.386	178	719113	81.277	ng	99
73) Carbazole	11.545	167	237936	28.524	ng	99
75) Fluoranthene	12.522	202	101550	10.867	ng	97
78) Pyrene	12.751	202	74558	5.754	ng	98
81) Benzo(a)anthracene	13.951	228	30139	3.288	ng	97
83) Chrysene	13.986	228	29692	3.313	ng	95
84) Bis(2-ethylhexyl)phtha...	13.939	149	12465	2.101	ng	# 95
88) Benzo(b)fluoranthene	15.010	252	25981m	2.574	ng	
90) Benzo(a)pyrene	15.380	252	17703	2.078	ng	# 88

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

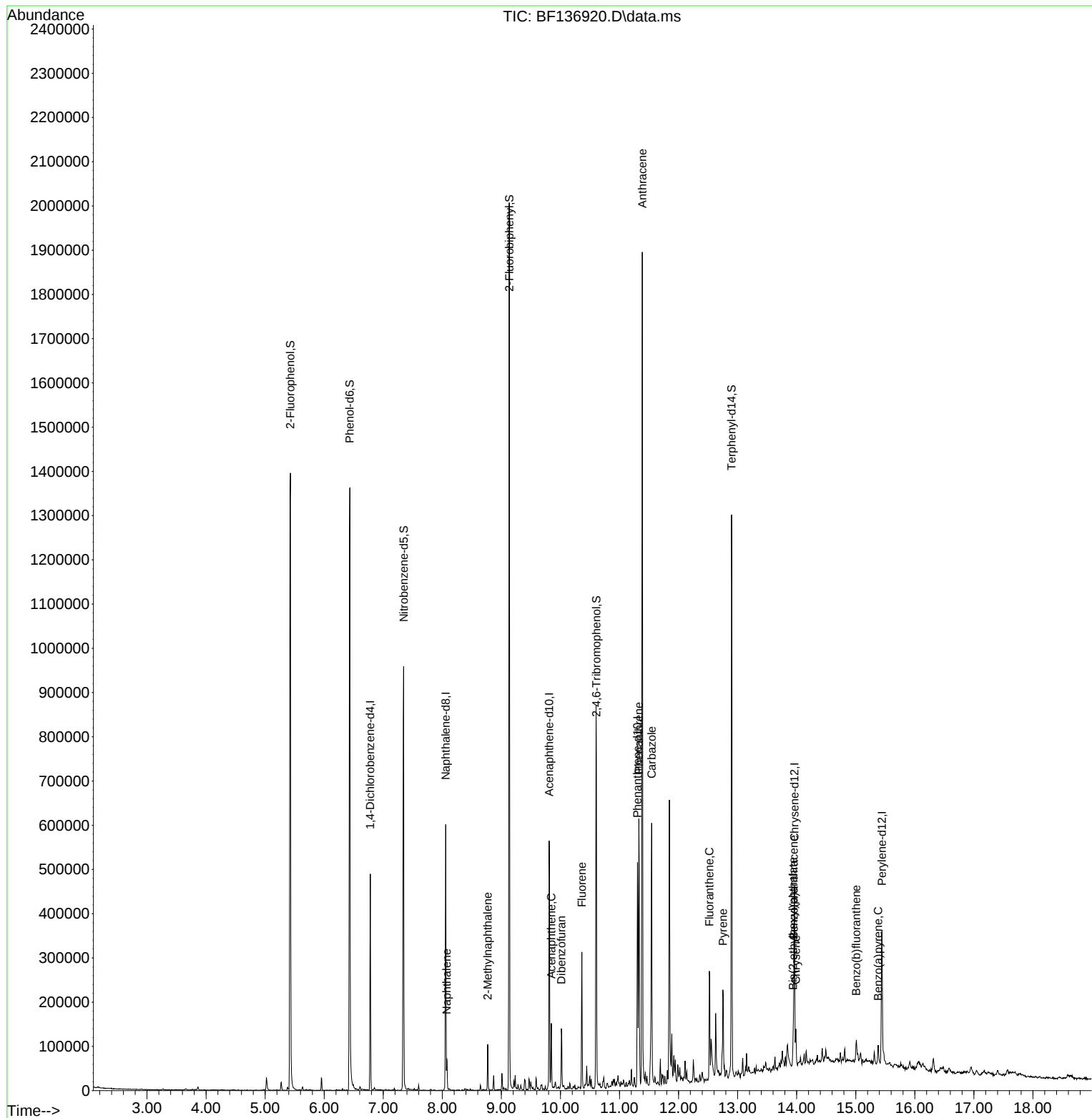
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

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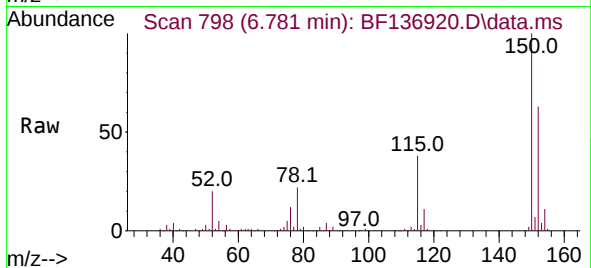
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

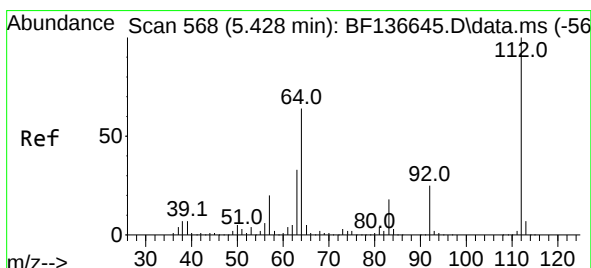
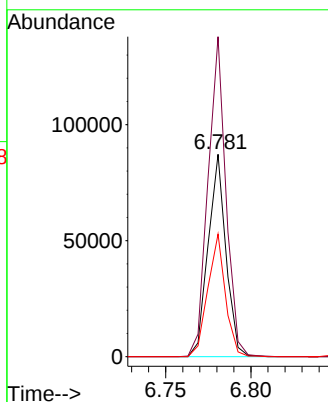
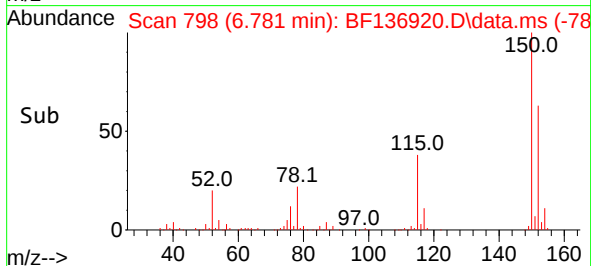
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31



Tgt Ion:152 Resp: 6366
Ion Ratio Lower Upper
152 100
150 158.1 127.0 190.6
115 60.6 49.0 73.4

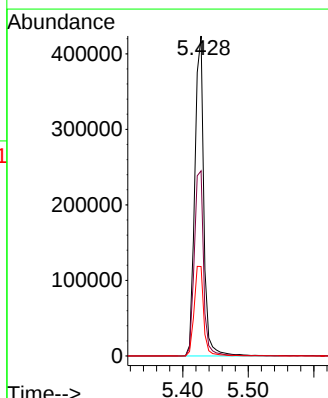
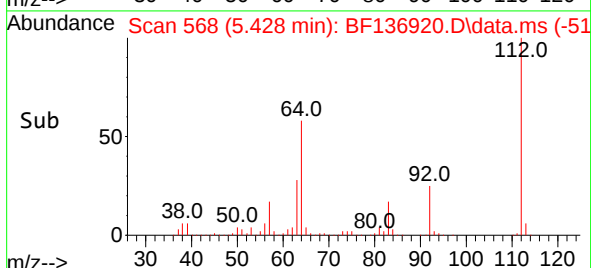
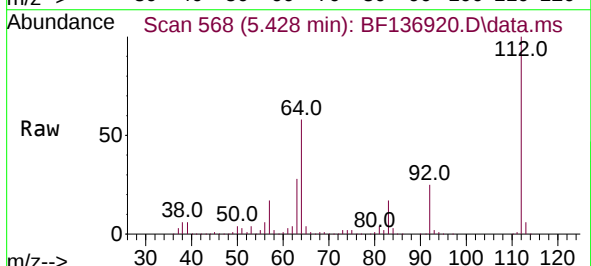
Manual Integrations
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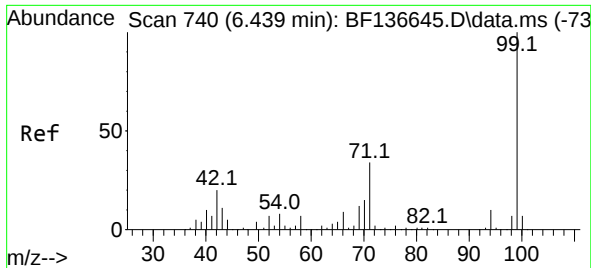
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#5
2-Fluorophenol
Concen: 99.383 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

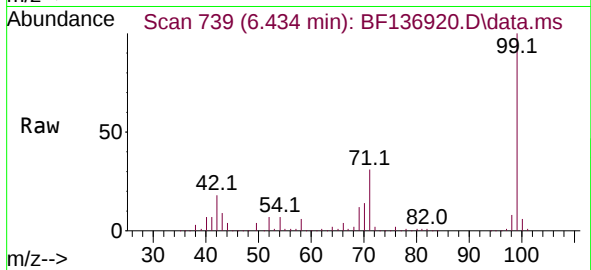
Tgt Ion:112 Resp: 405530
Ion Ratio Lower Upper
112 100
64 57.8 51.1 76.7
63 27.9 26.1 39.1





#7
Phenol-d6
Concen: 94.423 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

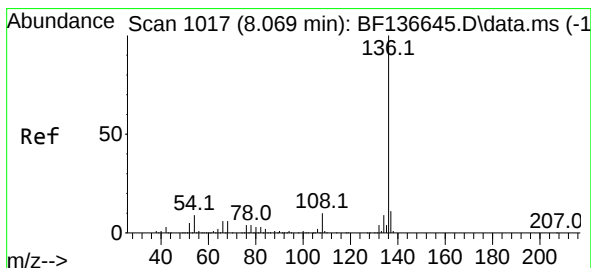
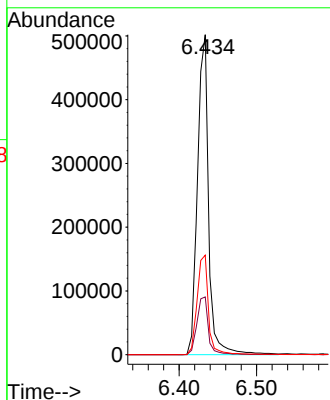
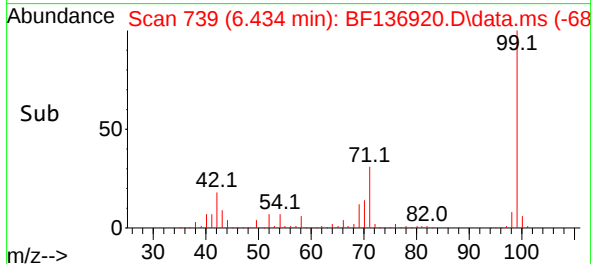
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31



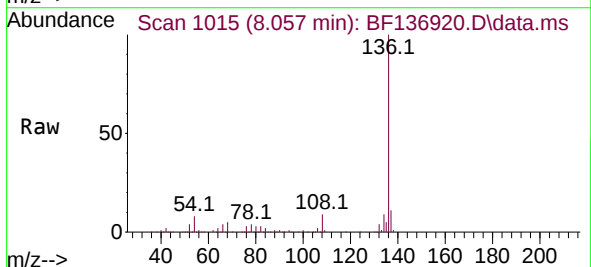
Tgt Ion: 99 Resp: 49924
Ion Ratio Lower Upper
99 100
42 18.0 16.1 24.1
71 31.1 27.4 41.2

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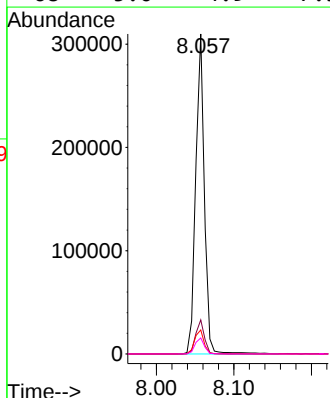
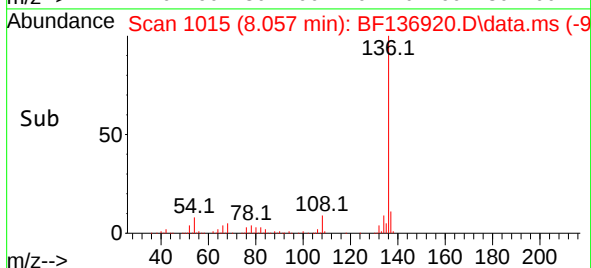
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54



Tgt Ion:136 Resp: 241152
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.5 7.2 10.8
68 5.0 4.9 7.3





#23
Nitrobenzene-d5
Concen: 64.886 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

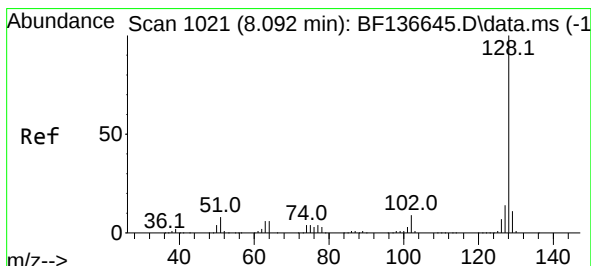
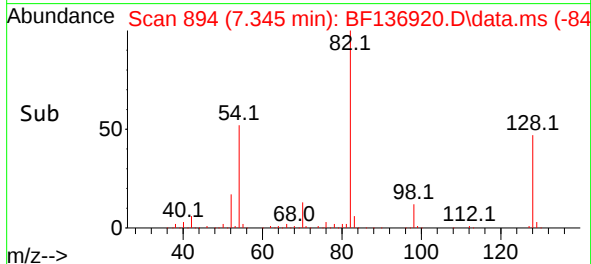
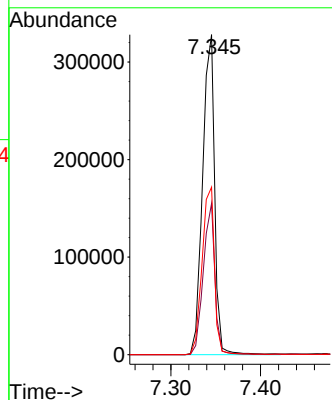
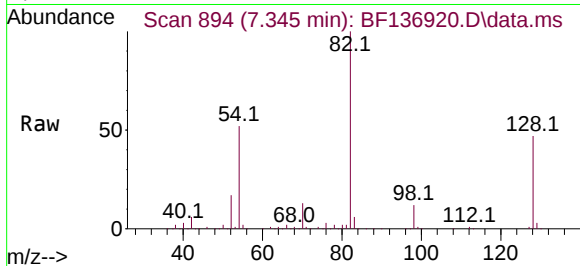
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Tgt Ion: 82 Resp: 30578
Ion Ratio Lower Upper
82 100
128 47.3 35.3 52.9
54 52.3 44.5 66.7

Manual Integrations

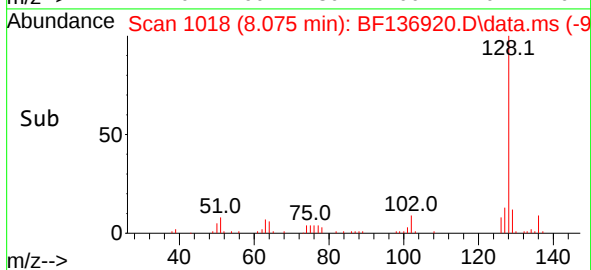
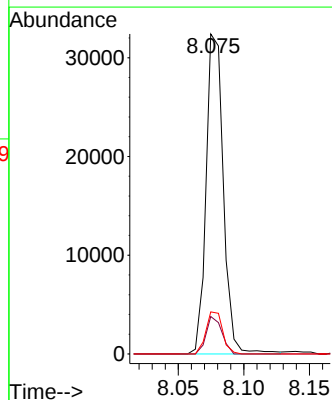
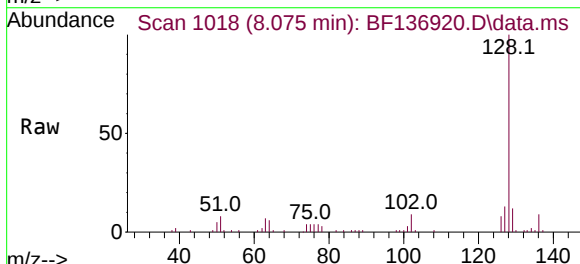
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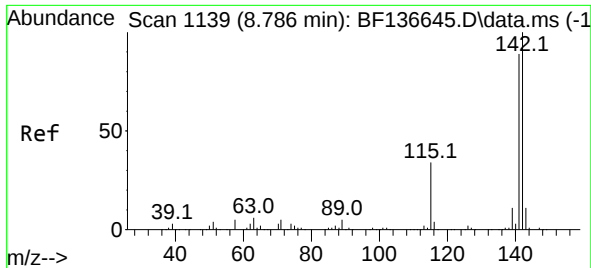
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#31
Naphthalene
Concen: 2.252 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:128 Resp: 29830
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.1 10.8 16.2





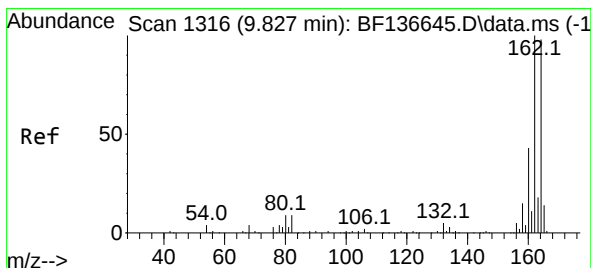
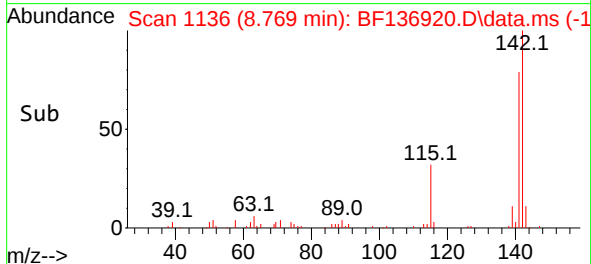
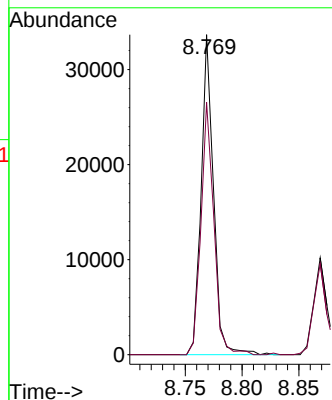
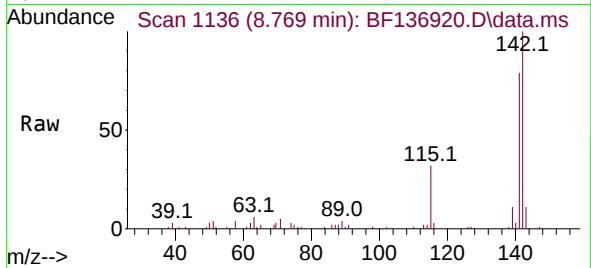
#37
2-Methylnaphthalene
Concen: 2.995 ng
RT: 8.769 min Scan# 1139
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

Tgt Ion:142 Resp: 2553
Ion Ratio Lower Upper
142 100
141 78.9 71.1 106.7

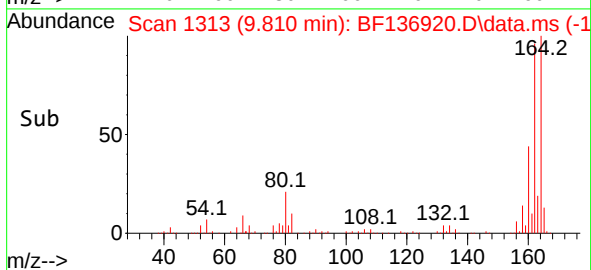
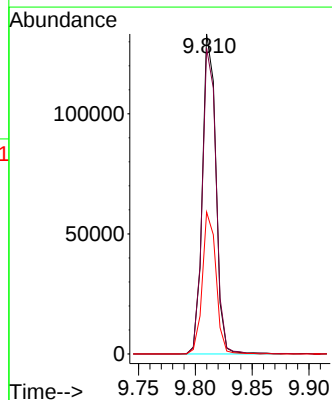
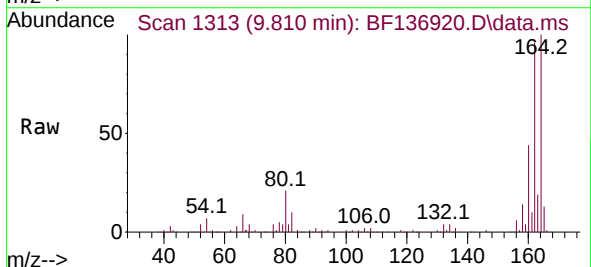
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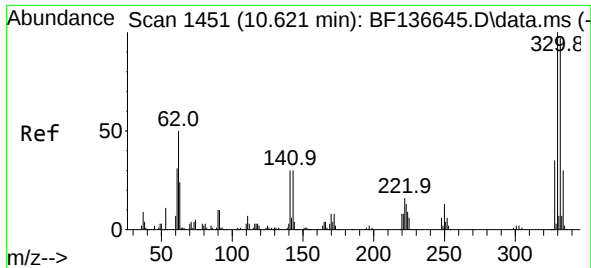
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

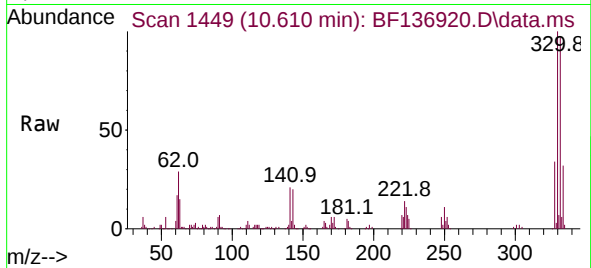
Tgt Ion:164 Resp: 110255
Ion Ratio Lower Upper
164 100
162 95.6 81.6 122.4
160 44.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 84.140 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

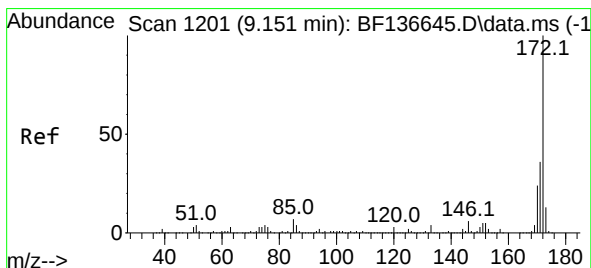
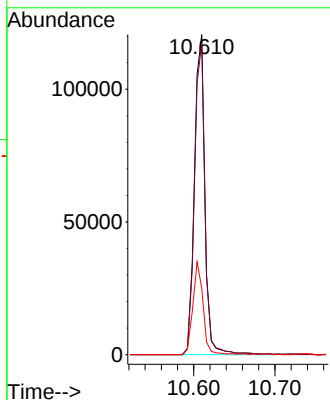
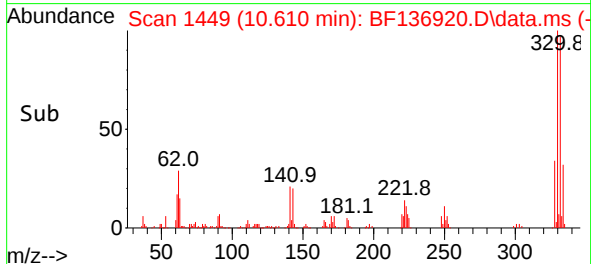
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31



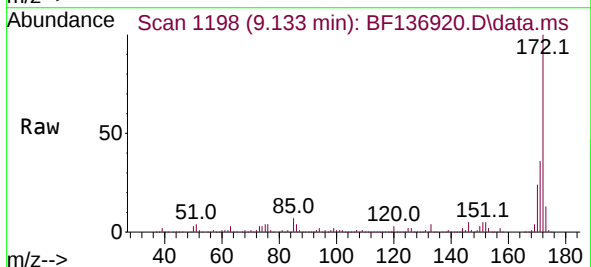
Tgt Ion:330 Resp: 109250
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 28.4 23.4 35.2

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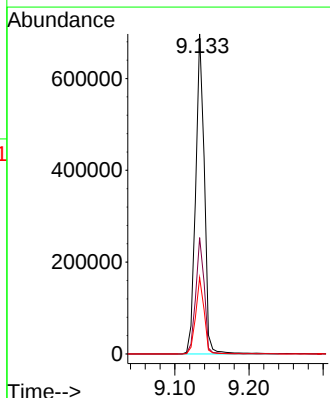
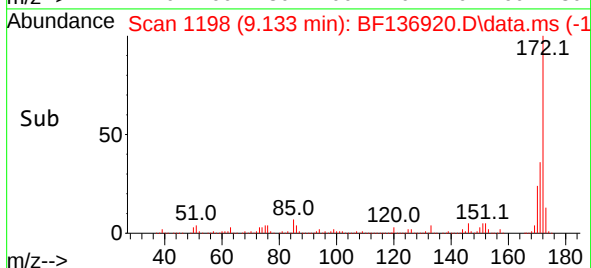
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024

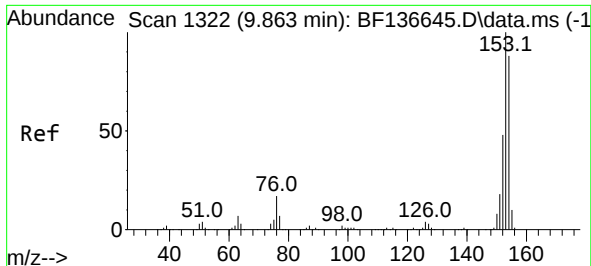


#45
2-Fluorobiphenyl
Concen: 69.006 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54



Tgt Ion:172 Resp: 565674
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.9 19.0 28.4





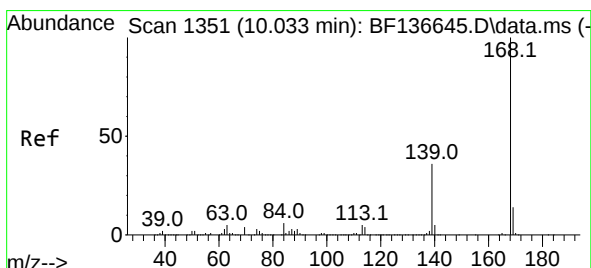
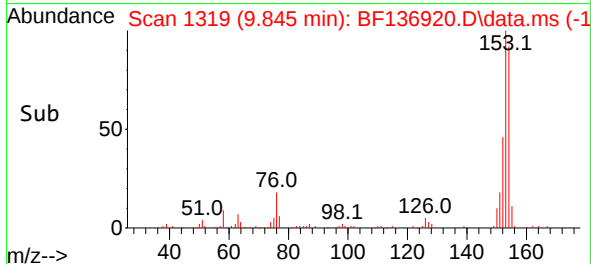
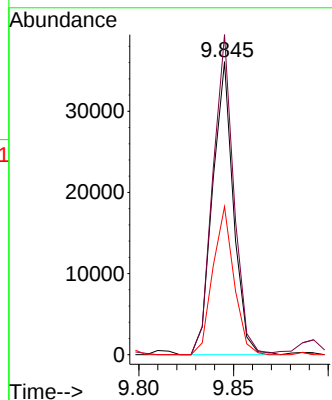
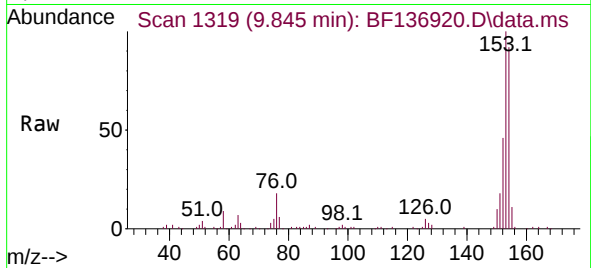
#52
Acenaphthene
Concen: 4.143 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

Tgt Ion:154 Resp: 2761
Ion Ratio Lower Upper
154 100
153 109.2 90.7 136.1
152 50.5 43.7 65.5

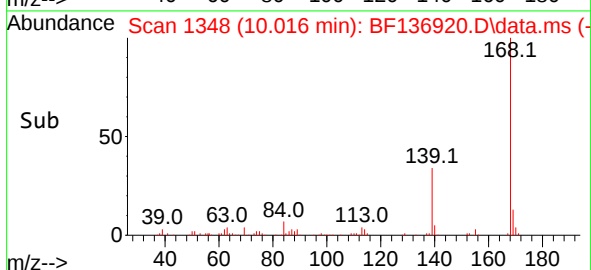
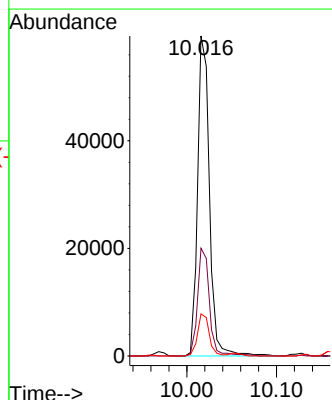
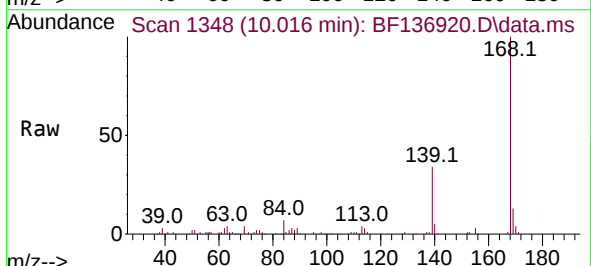
Manual Integrations
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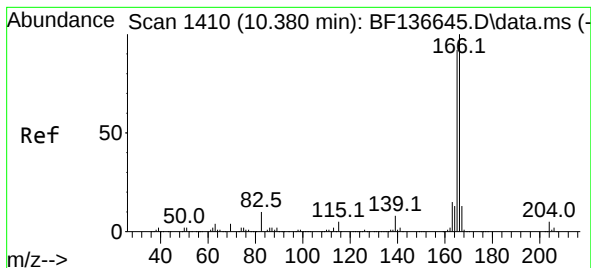
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#55
Dibenzofuran
Concen: 5.405 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.018 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Tgt Ion:168 Resp: 54598
Ion Ratio Lower Upper
168 100
139 33.6 29.3 43.9
169 13.2 11.0 16.4





#58

Fluorene

Concen: 9.772 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

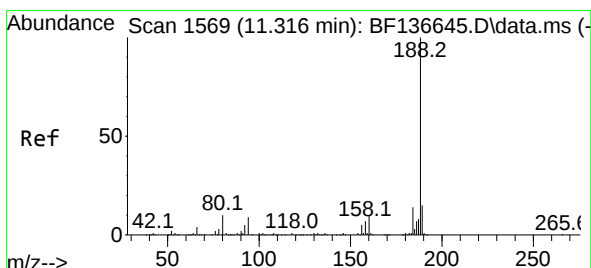
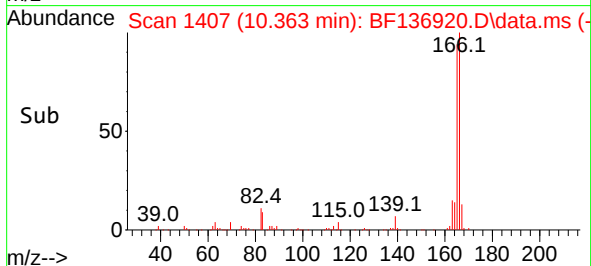
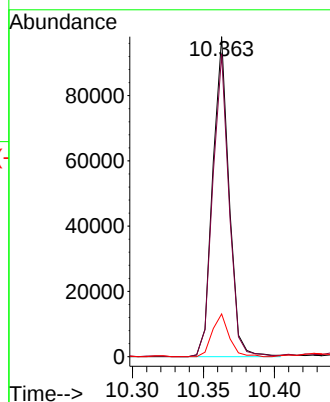
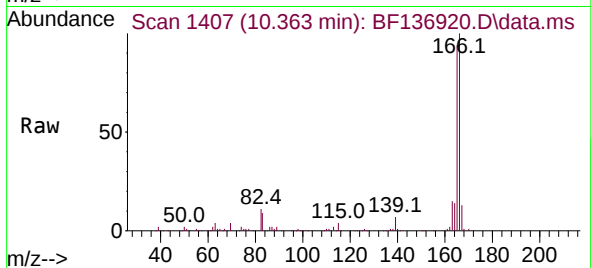
Tgt Ion:166 Resp: 78325
 Ion Ratio Lower Upper
 166 100
 165 94.5 73.7 110.5
 167 13.3 10.4 15.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

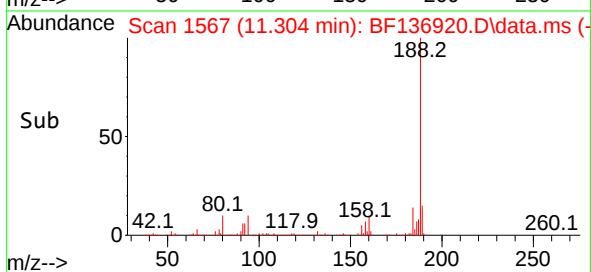
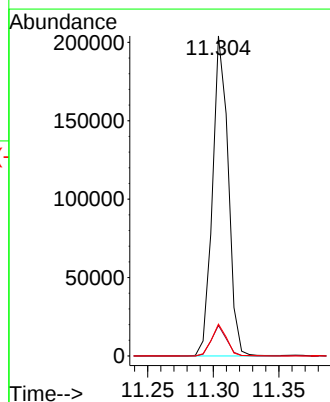
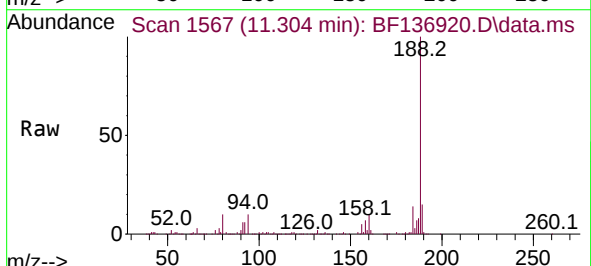
RT: 11.304 min Scan# 1567

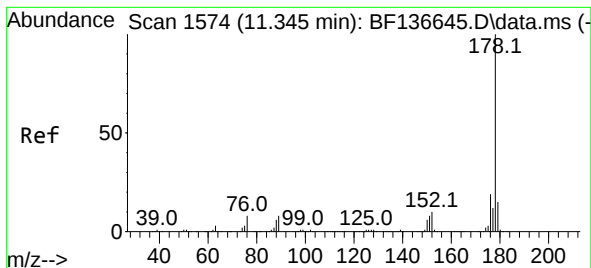
Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Tgt Ion:188 Resp: 170265
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.5 11.3
 80 10.0 8.1 12.1





#71

Phenanthrene

Concen: 24.855 ng

RT: 11.327 min Scan# 1571

Delta R.T. -0.018 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

Tgt Ion:178 Resp: 21714

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

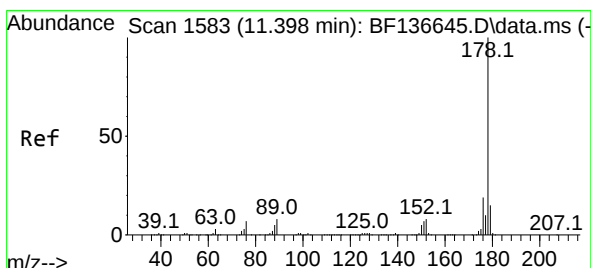
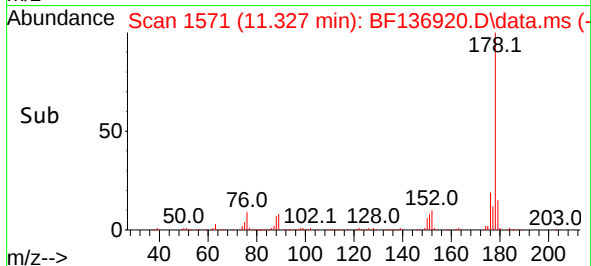
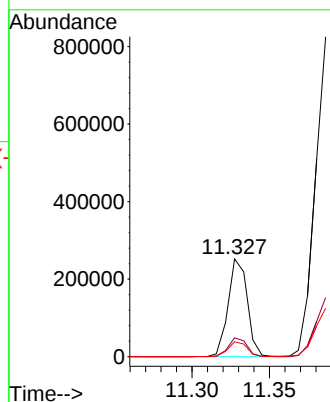
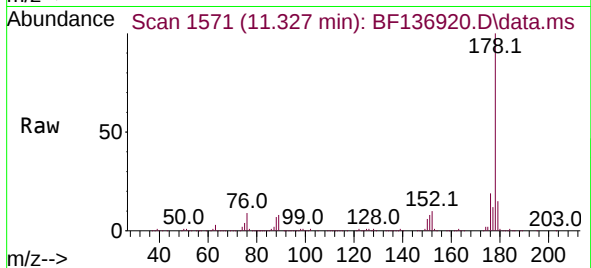
179 15.3 11.9 17.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#72

Anthracene

Concen: 81.277 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

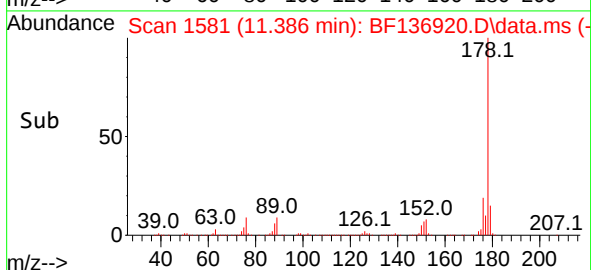
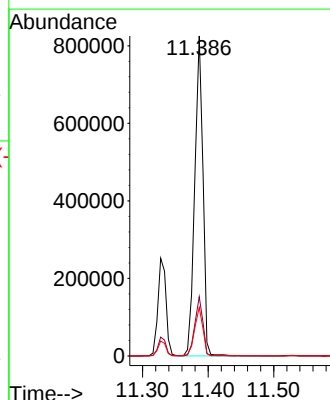
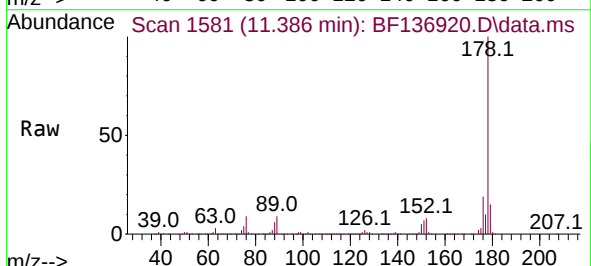
Tgt Ion:178 Resp: 719113

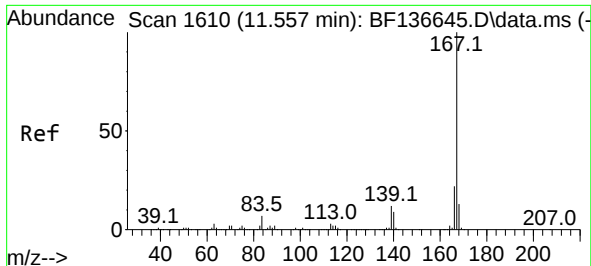
Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

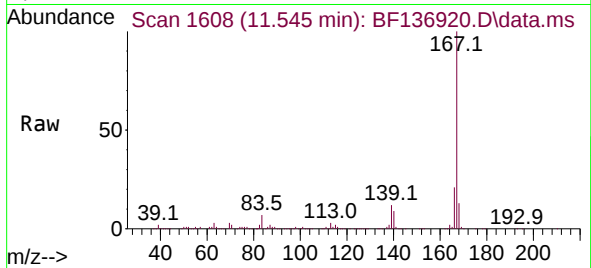
179 15.2 11.8 17.6





#73
 Carbazole
 Concen: 28.524 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136920.D
 Acq: 03 Jan 2024 21:54

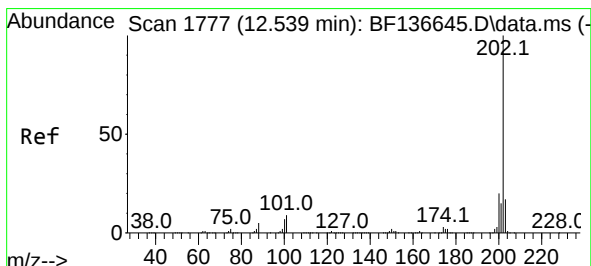
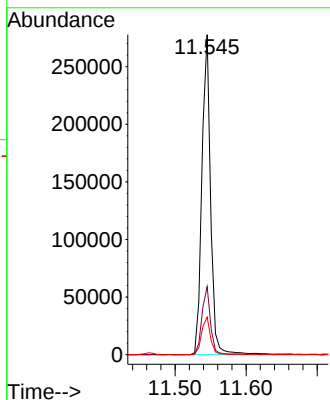
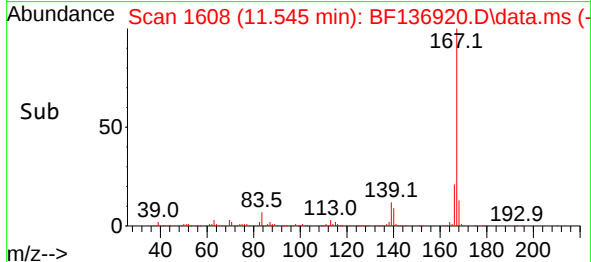
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31



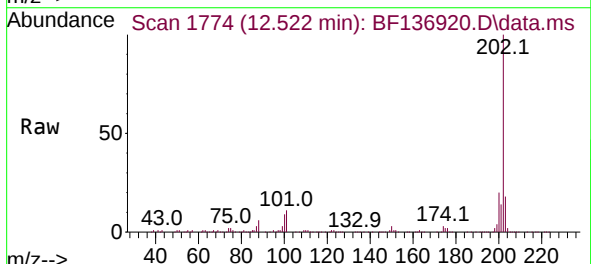
Tgt Ion:167 Resp: 237930
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.3 25.9
 139 11.8 9.8 14.6

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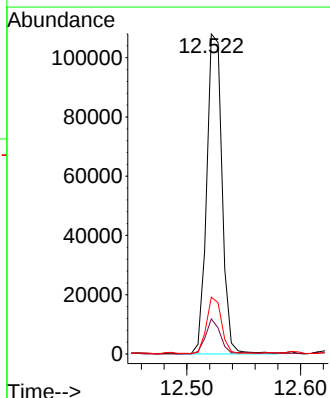
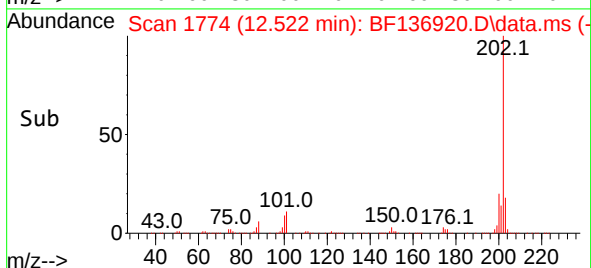
Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024

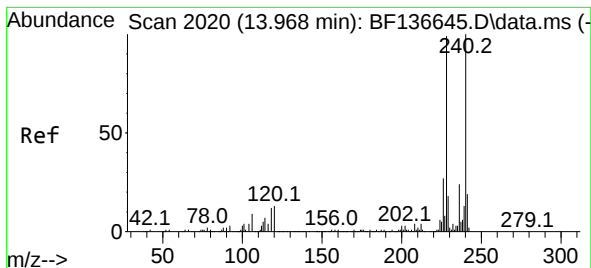


#75
 Fluoranthene
 Concen: 10.867 ng
 RT: 12.522 min Scan# 1774
 Delta R.T. -0.018 min
 Lab File: BF136920.D
 Acq: 03 Jan 2024 21:54



Tgt Ion:202 Resp: 101550
 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: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

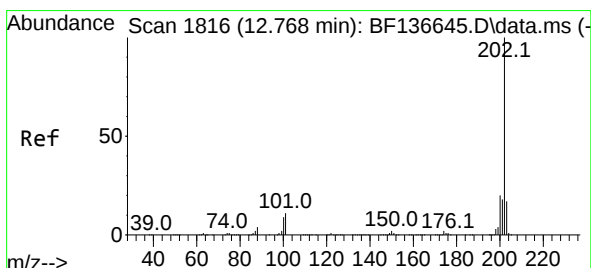
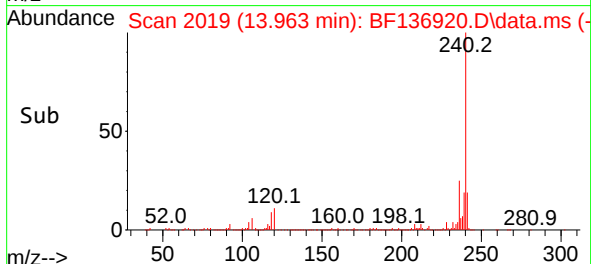
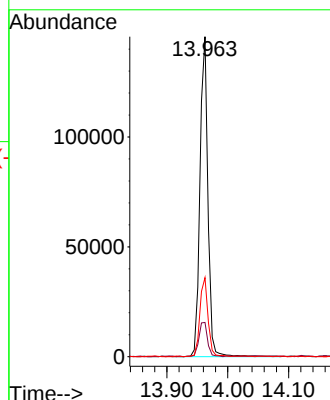
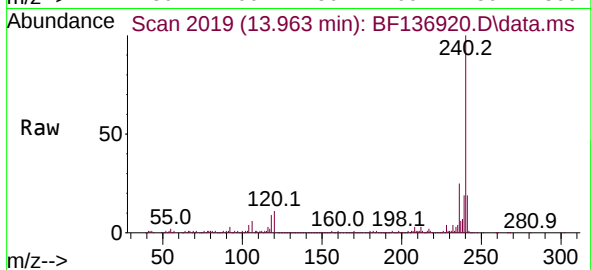
Tgt Ion:240 Resp: 131998
 Ion Ratio Lower Upper
 240 100
 120 10.7 10.3 15.5
 236 24.7 19.4 29.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#78

Pyrene

Concen: 5.754 ng

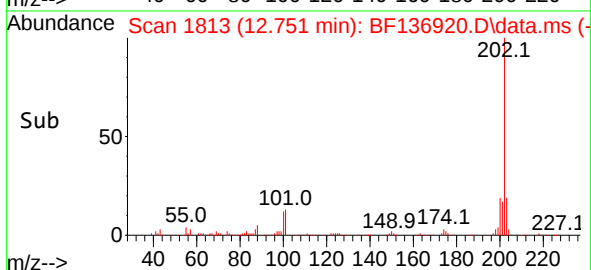
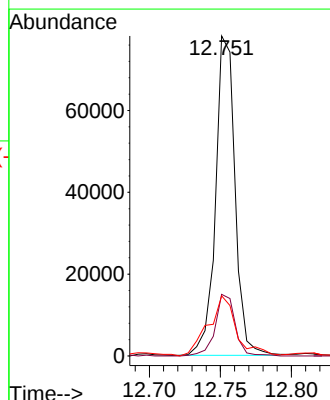
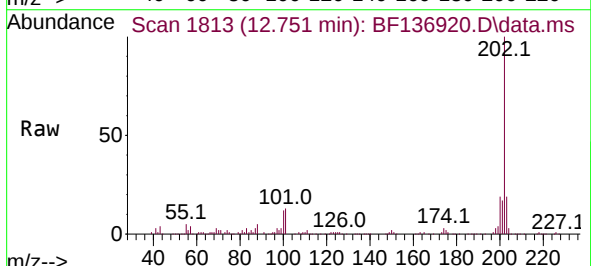
RT: 12.751 min Scan# 1813

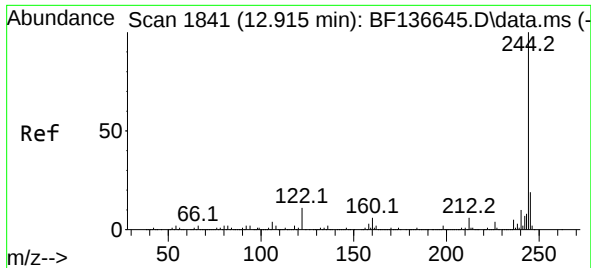
Delta R.T. -0.018 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Tgt Ion:202 Resp: 74558
 Ion Ratio Lower Upper
 202 100
 200 19.2 15.9 23.9
 203 18.8 13.8 20.6





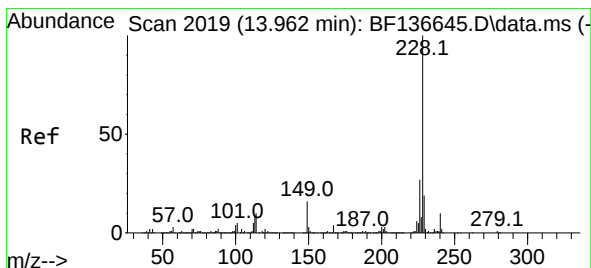
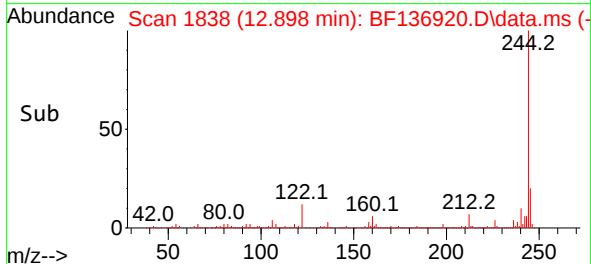
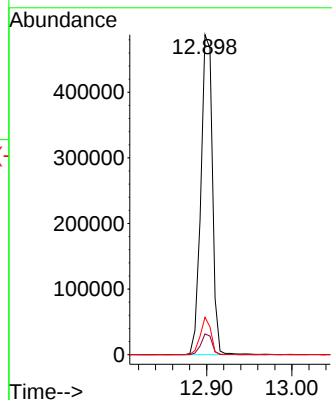
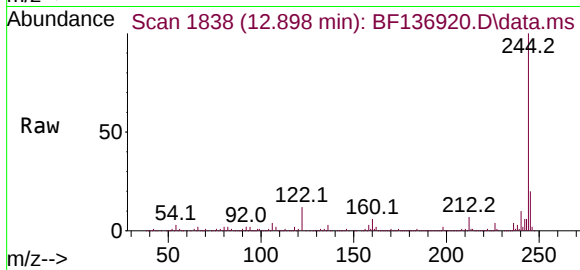
#79
 Terphenyl-d14
 Concen: 48.578 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.018 min
 Lab File: BF136920.D
 Acq: 03 Jan 2024 21:54

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31

Tgt Ion:244 Resp: 458838
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 11.7 9.0 13.4

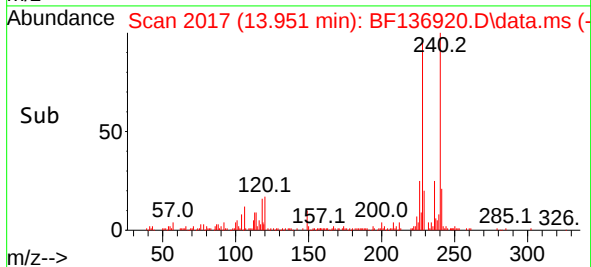
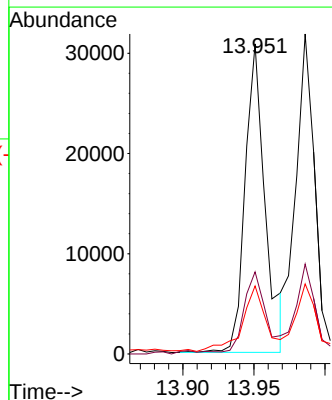
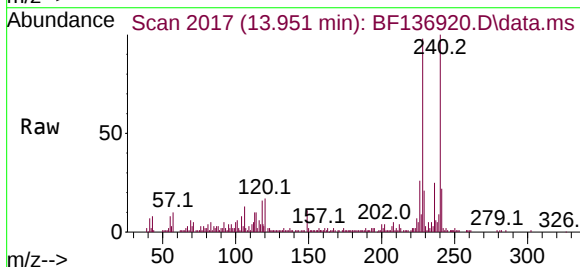
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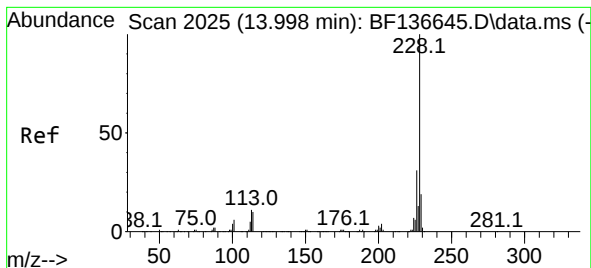
Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024



#81
 Benzo(a)anthracene
 Concen: 3.288 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136920.D
 Acq: 03 Jan 2024 21:54

Tgt Ion:228 Resp: 30139
 Ion Ratio Lower Upper
 228 100
 226 26.5 21.4 32.0
 229 21.9 14.9 22.3





#83

Chrysene

Concen: 3.313 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31

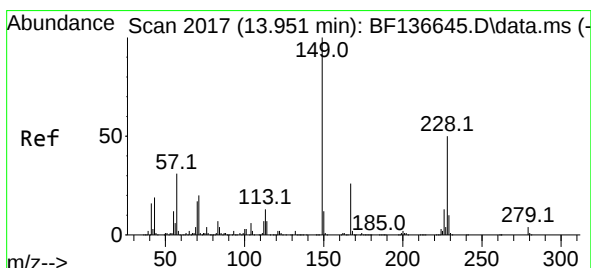
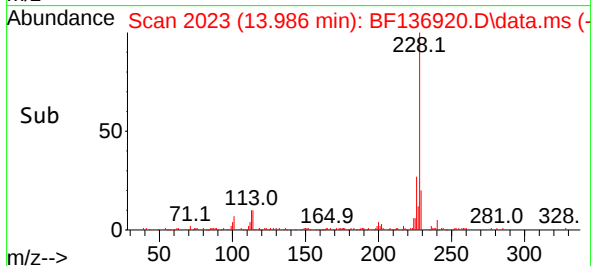
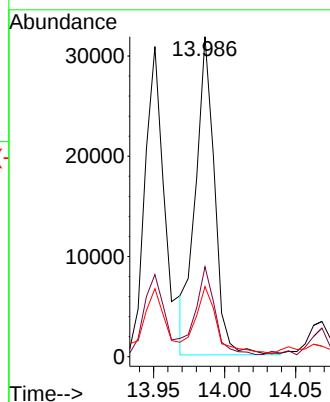
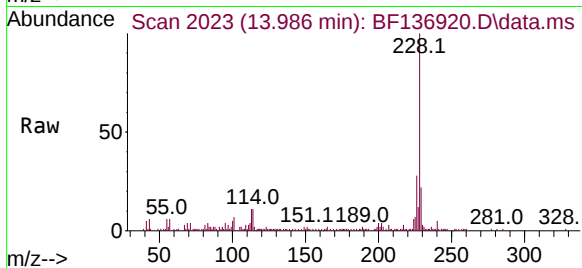
Tgt Ion:	228	Resp:	2969
Ion Ratio	Lower	Upper	
228	100		
226	28.1	24.7	37.1
229	21.9	15.4	23.0

Manual Integrations

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Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.101 ng

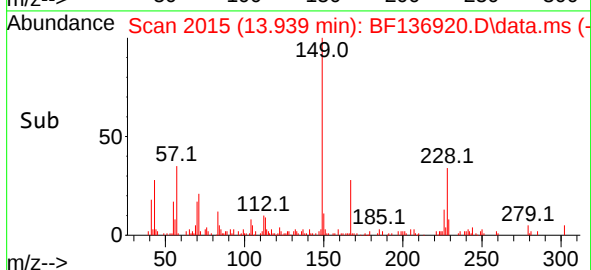
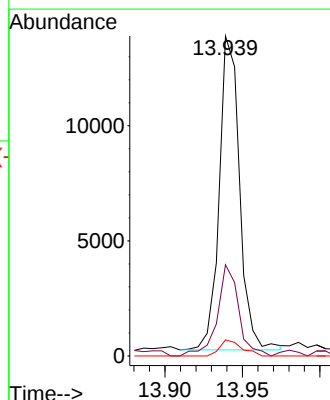
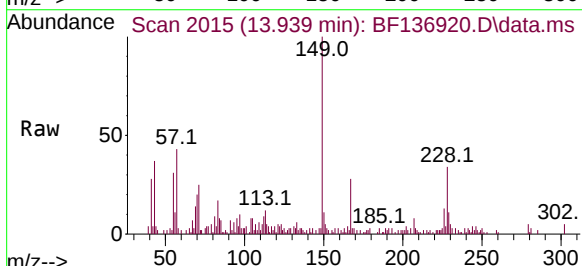
RT: 13.939 min Scan# 2015

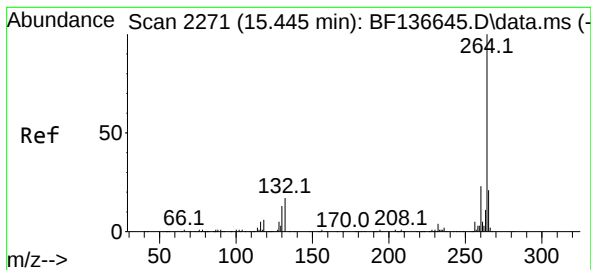
Delta R.T. -0.012 min

Lab File: BF136920.D

Acq: 03 Jan 2024 21:54

Tgt Ion:	149	Resp:	12465
Ion Ratio	Lower	Upper	
149	100		
167	28.5	20.9	31.3
279	5.0	2.9	4.3





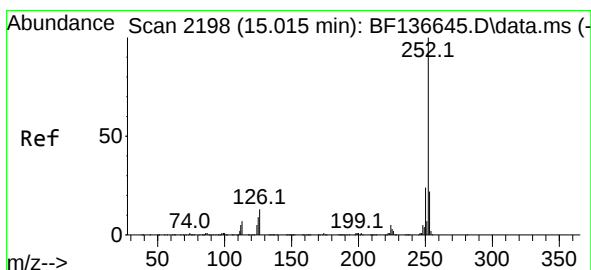
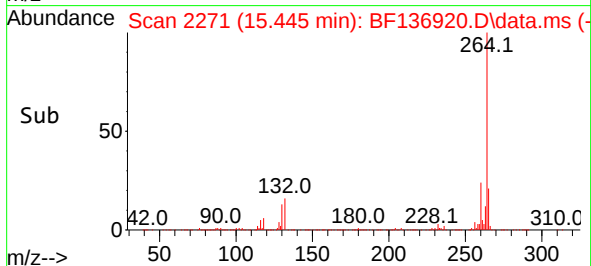
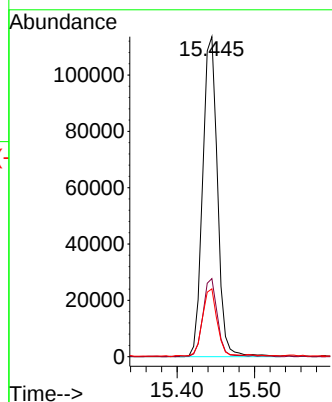
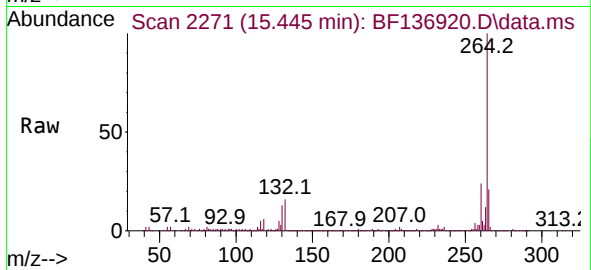
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2111
Delta R.T. 0.000 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Instrument :
BNA_F
ClientSampleId :
GHL-SS-31

Tgt Ion:264 Resp: 15111
Ion Ratio Lower Upper
264 100
260 24.4 18.3 27.5
265 21.2 17.0 25.6

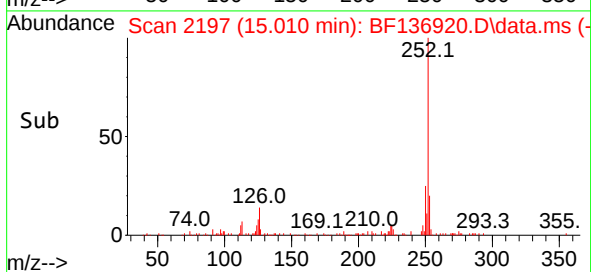
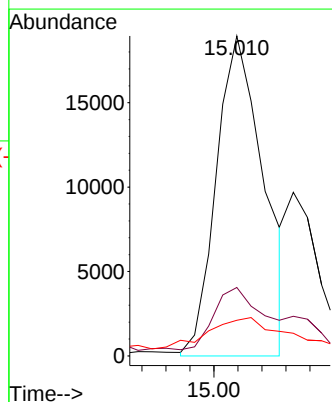
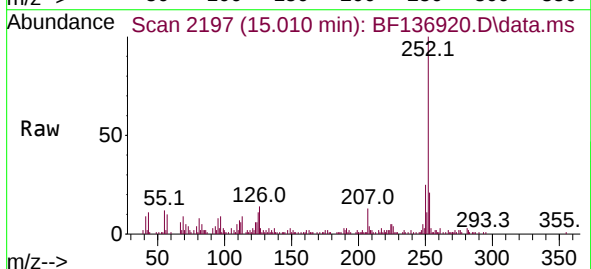
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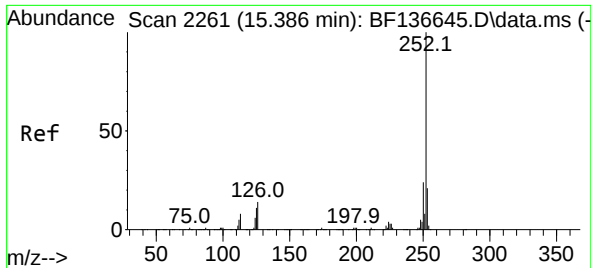
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#88
Benzo(b)fluoranthene
Concen: 2.574 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

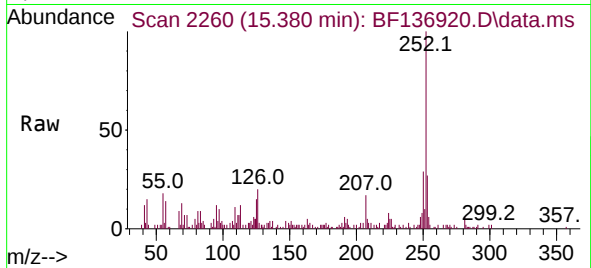
Tgt Ion:252 Resp: 25981
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 11.1 7.4 11.2





#90
Benzo(a)pyrene
Concen: 2.078 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136920.D
Acq: 03 Jan 2024 21:54

Instrument :
BNA_F
ClientSampleId :
GHL-SS-31



Tgt Ion:252 Resp: 1770
Ion Ratio Lower Upper
252 100
253 27.4 17.0 25.6
125 14.7 8.8 13.2

Manual Integrations
APPROVED

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

