

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138558.D
 Acq On : 12 Jul 2024 21:09
 Operator : CG\JU
 Sample : P3187-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 12 23:14:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	111079	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	370840	20.000	ng	# 0.00
39) Acenaphthene-d10	9.898	164	171533	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	305197	20.000	ng	0.00
76) Chrysene-d12	14.022	240	164743	20.000	ng	0.00
86) Perylene-d12	15.492	264	157397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	655589	93.473	ng	0.00
7) Phenol-d6	6.504	99	822735	88.180	ng	0.00
23) Nitrobenzene-d5	7.428	82	487765	64.578	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	145162	90.548	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	749801	68.317	ng	0.00
79) Terphenyl-d14	12.969	244	738236	73.003	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.763	152	38126	2.734	ng	97
71) Phenanthrene	11.410	178	69388	4.500	ng	98
72) Anthracene	11.463	178	58311	3.810	ng	99
73) Carbazole	11.616	167	43044	3.129	ng	98
75) Fluoranthene	12.598	202	247816	15.751	ng	98
78) Pyrene	12.827	202	264531	15.818	ng	99
80) Butylbenzylphthalate	13.439	149	13542	2.692	ng	88
81) Benzo(a)anthracene	14.010	228	90853	8.219	ng	94
83) Chrysene	14.045	228	109857	10.505	ng	97
84) Bis(2-ethylhexyl)phtha...	13.998	149	14747	2.749	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.962	276	70575	6.675	ng	94
88) Benzo(b)fluoranthene	15.063	252	199744m	22.534	ng	
89) Benzo(k)fluoranthene	15.086	252	56228m	6.504	ng	
90) Benzo(a)pyrene	15.427	252	88180	11.324	ng	# 91
92) Benzo(g,h,i)perylene	17.404	276	65951	7.192	ng	# 91

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

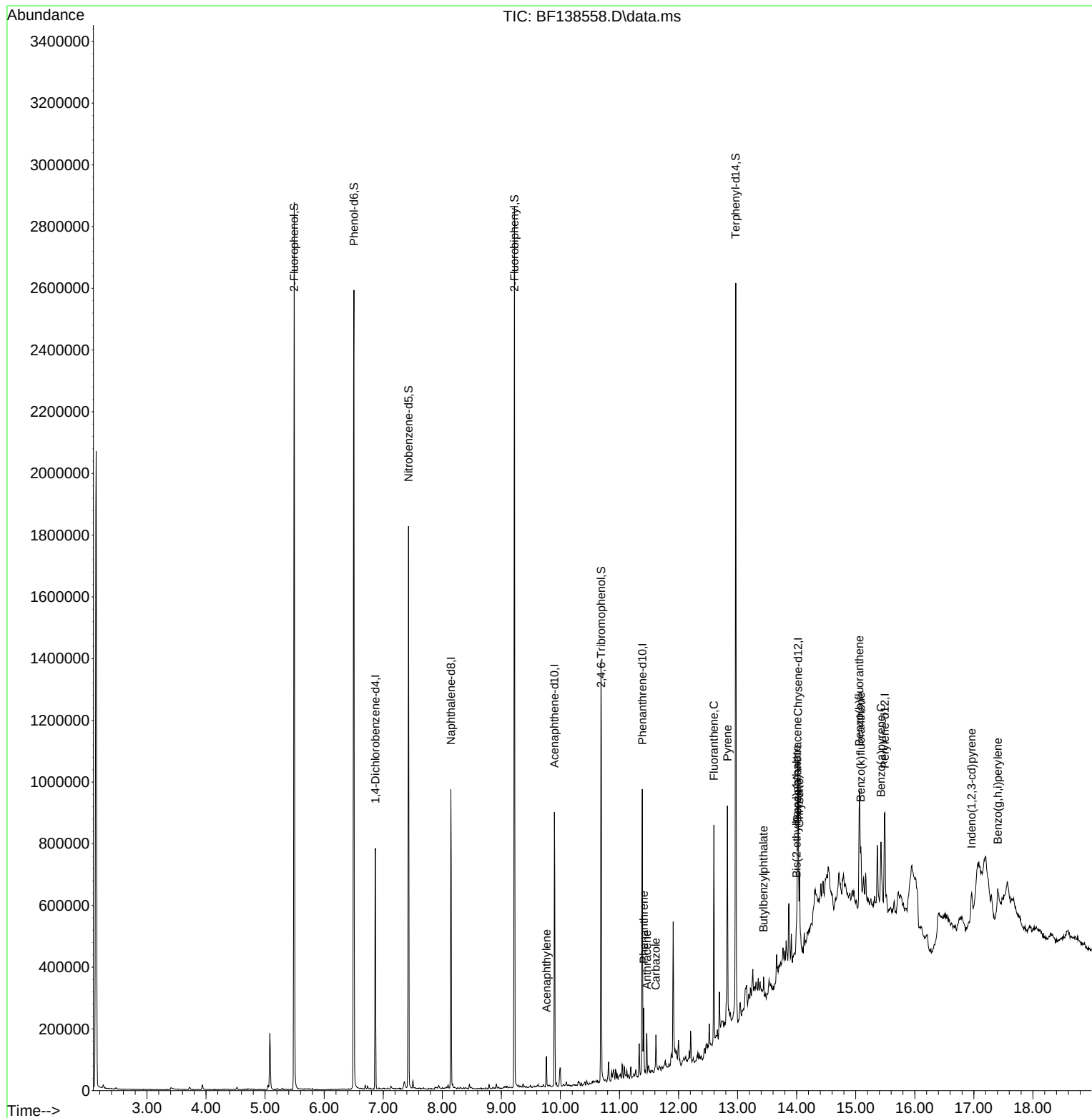
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
Data File : BF138558.D
Acq On : 12 Jul 2024 21:09
Operator : CG\JU
Sample : P3187-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

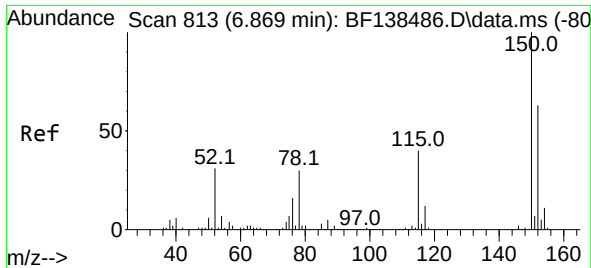
Instrument :
BNA_F
ClientSampleId :
WC-3

Quant Time: Jul 12 23:14:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:58:40 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

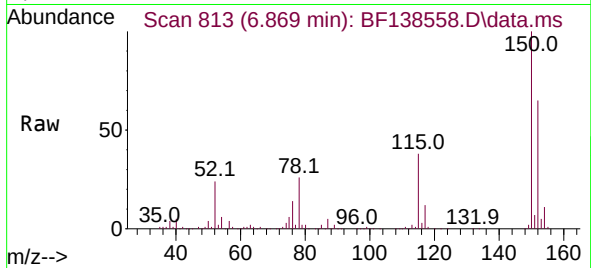
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

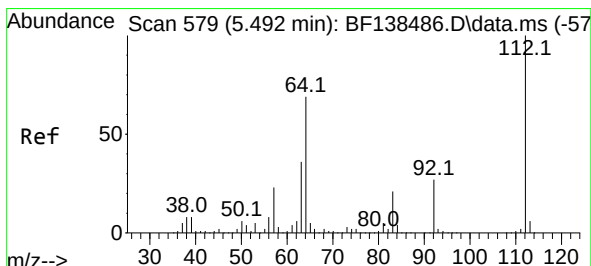
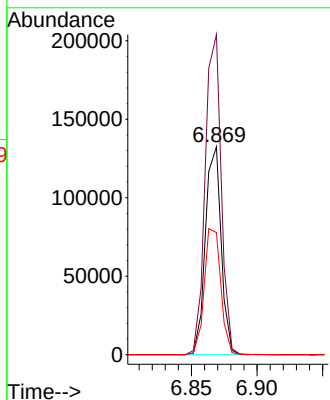
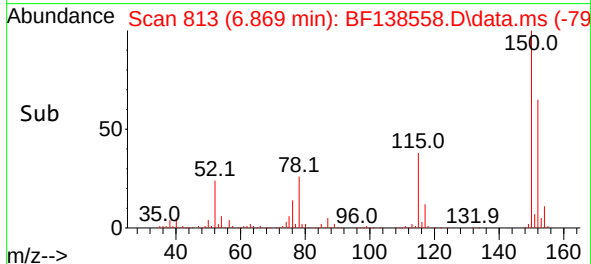
Instrument :
BNA_F
ClientSampleId :
WC-3



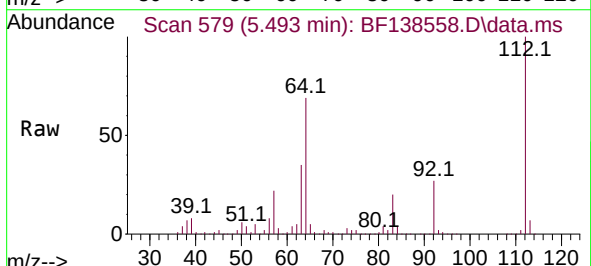
Tgt Ion:152 Resp: 111079
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.4
115 58.7 50.3 75.5

Manual Integrations
APPROVED

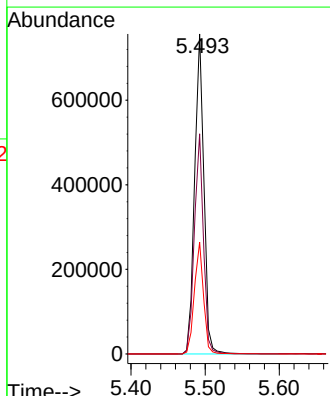
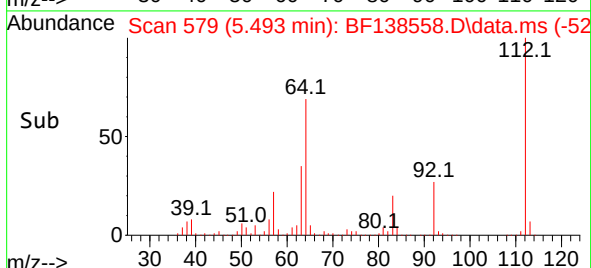
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

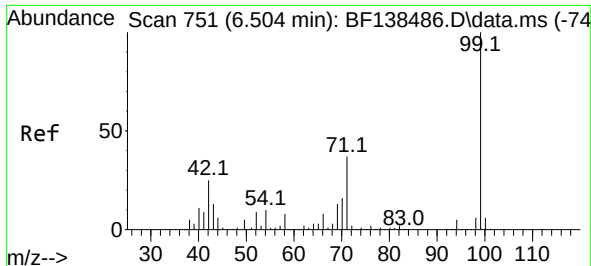


#5
2-Fluorophenol
Concen: 93.473 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09



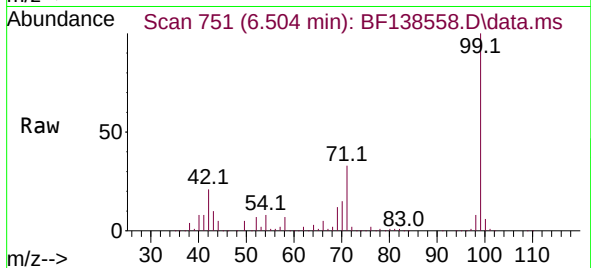
Tgt Ion:112 Resp: 655589
Ion Ratio Lower Upper
112 100
64 68.8 55.1 82.7
63 35.0 29.0 43.6





#7
Phenol-d6
Concen: 88.180 ng
RT: 6.504 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

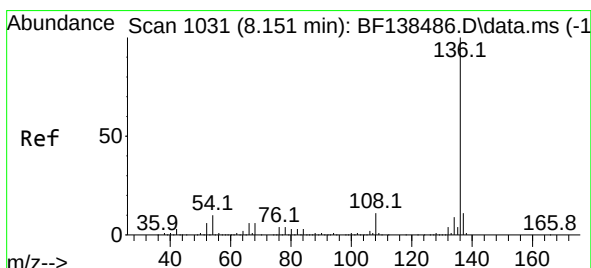
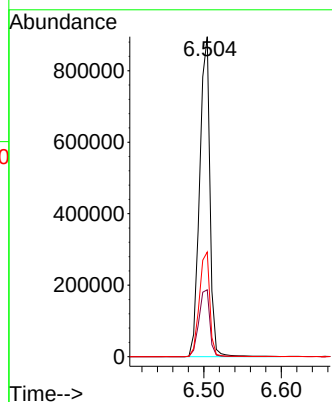
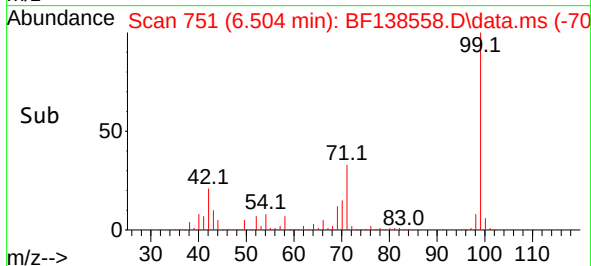
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion: 99 Resp: 822735
Ion Ratio Lower Upper
99 100
42 20.9 19.7 29.5
71 32.7 29.9 44.9

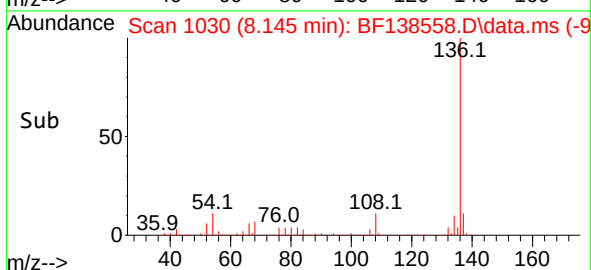
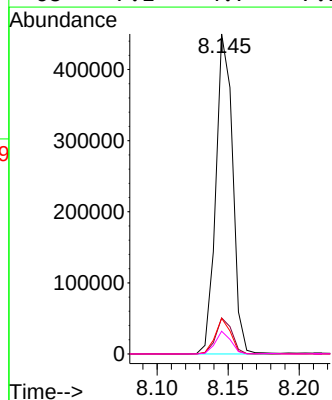
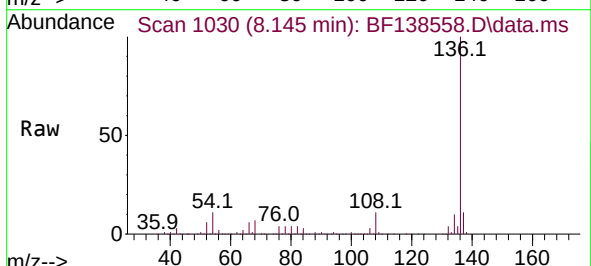
Manual Integrations
APPROVED

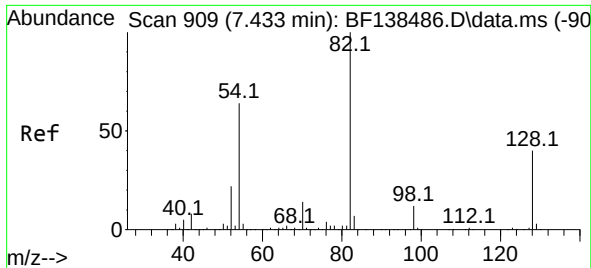
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion:136 Resp: 370840
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.2 8.1 12.1
68 7.1 4.7 7.1#





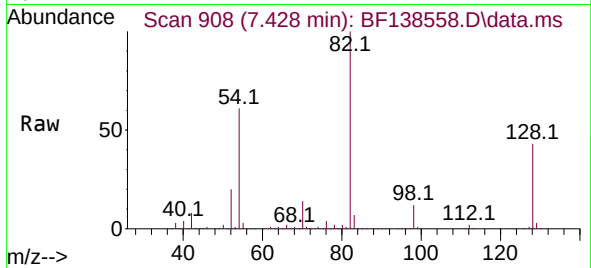
#23
Nitrobenzene-d5
Concen: 64.578 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

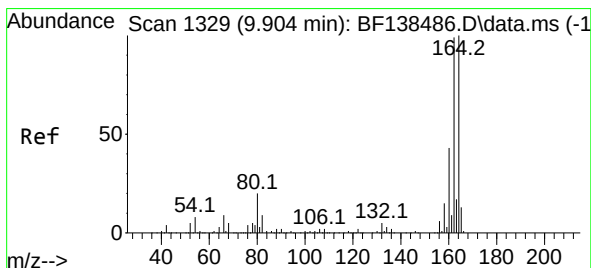
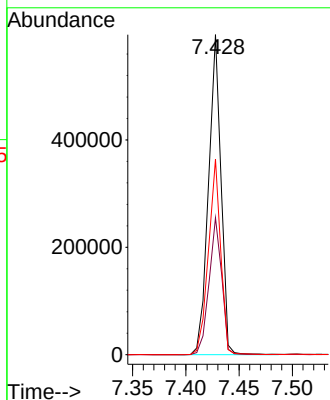
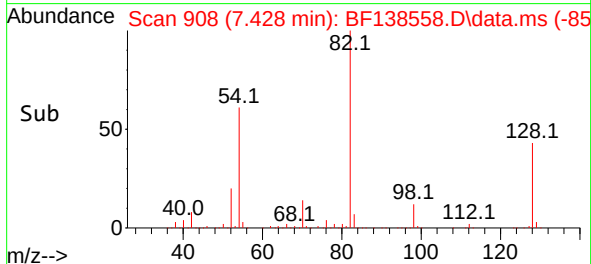
WC-3



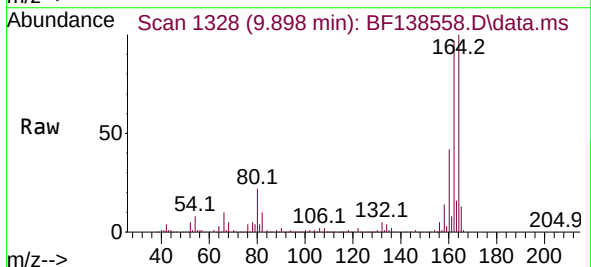
Tgt Ion: 82 Resp: 48776
Ion Ratio Lower Upper
82 100
128 42.8 32.3 48.5
54 61.1 51.4 77.0

Manual Integrations
APPROVED

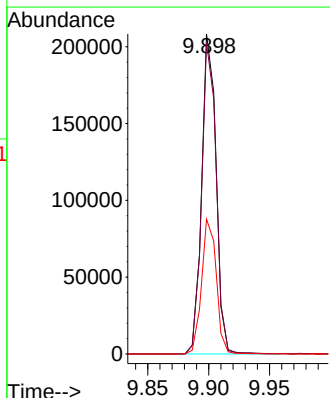
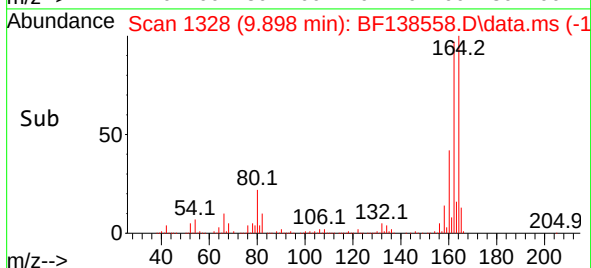
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

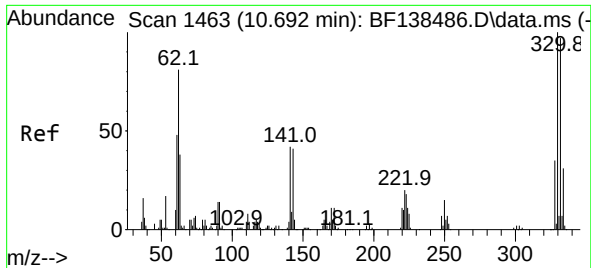


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09



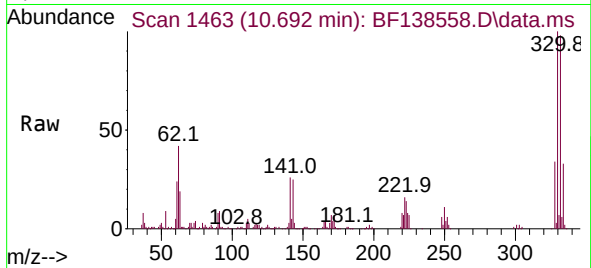
Tgt Ion:164 Resp: 171533
Ion Ratio Lower Upper
164 100
162 97.3 79.0 118.6
160 42.2 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 90.548 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

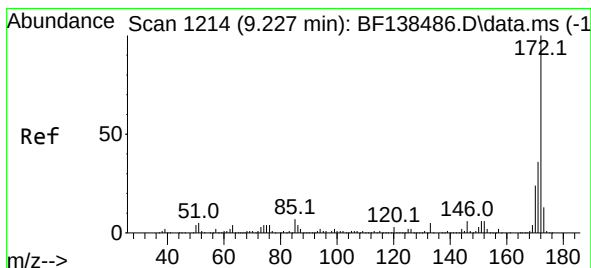
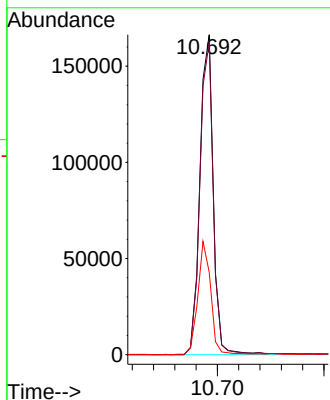
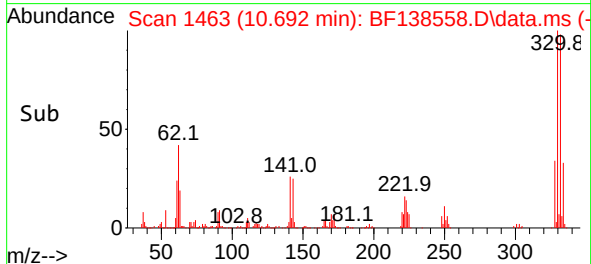
Instrument :
BNA_F
ClientSampleId :
WC-3



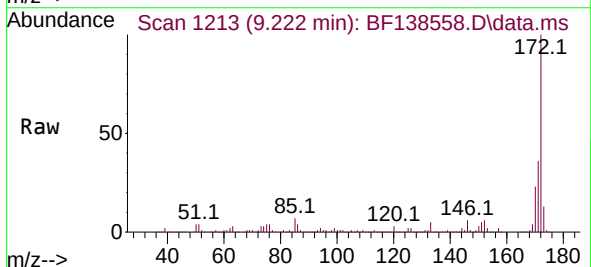
Tgt Ion: 330 Resp: 145162
Ion Ratio Lower Upper
330 100
332 97.9 76.8 115.2
141 34.5 29.4 44.2

Manual Integrations
APPROVED

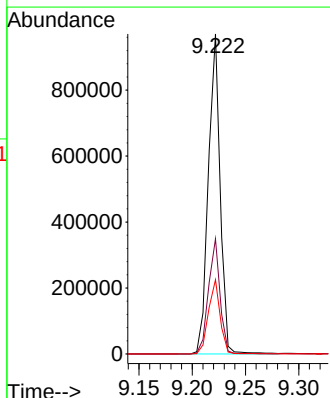
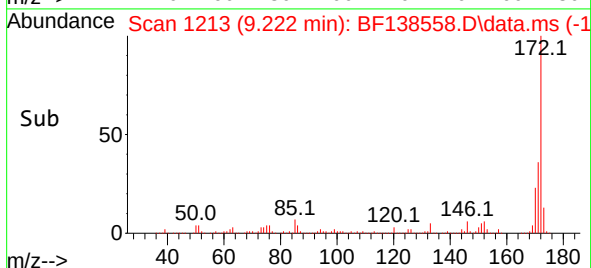
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

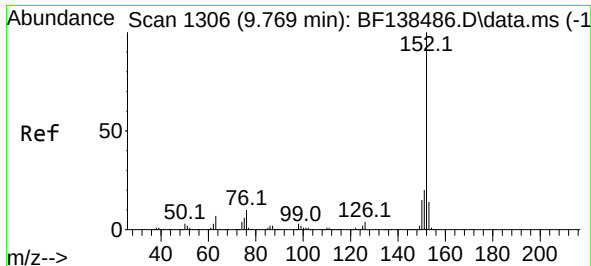


#45
2-Fluorobiphenyl
Concen: 68.317 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09



Tgt Ion: 172 Resp: 749801
Ion Ratio Lower Upper
172 100
171 36.0 28.9 43.3
170 23.2 18.9 28.3





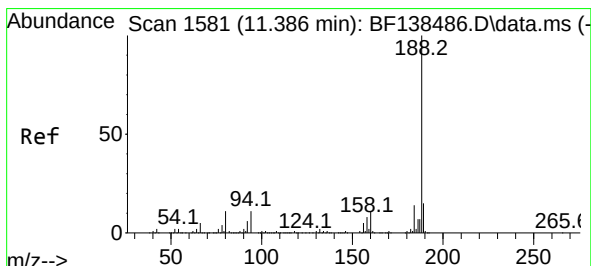
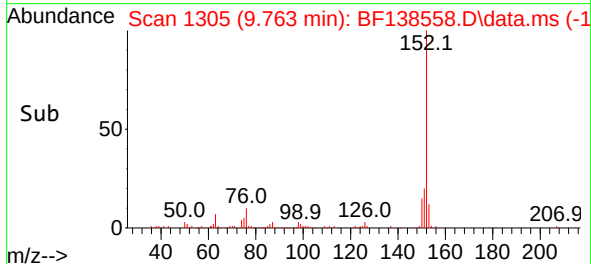
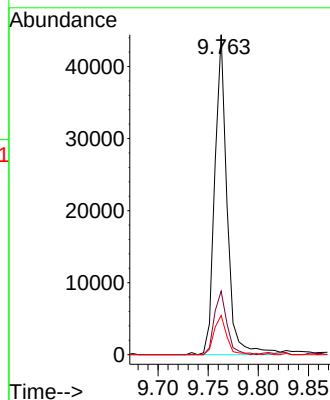
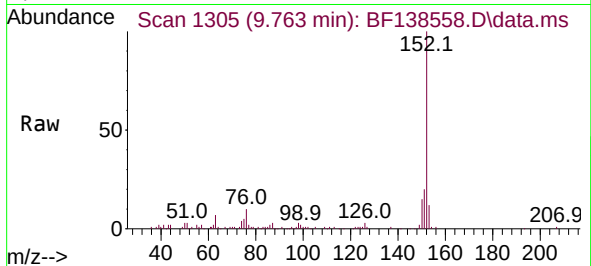
#49
Acenaphthylene
Concen: 2.734 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:152 Resp: 38120
Ion Ratio Lower Upper
152 100
151 19.8 16.3 24.5
153 12.3 11.3 16.9

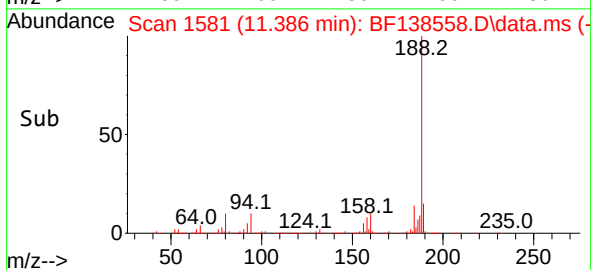
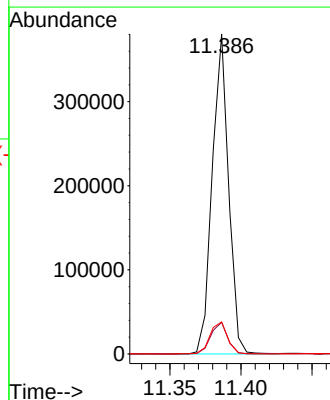
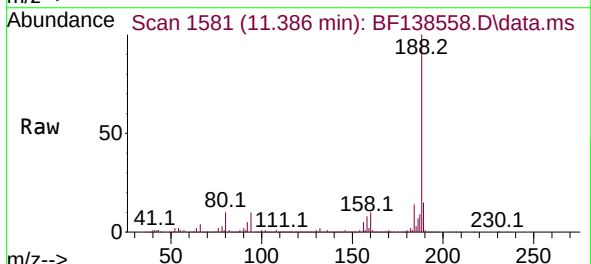
Manual Integrations
APPROVED

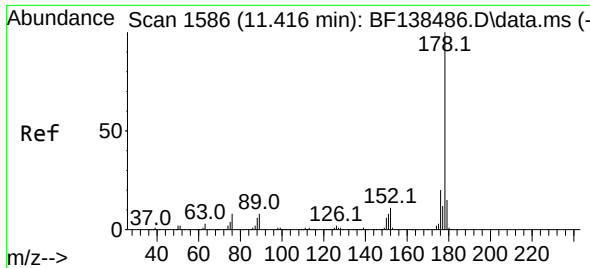
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Tgt Ion:188 Resp: 305197
Ion Ratio Lower Upper
188 100
94 9.9 8.7 13.1
80 10.0 9.0 13.4





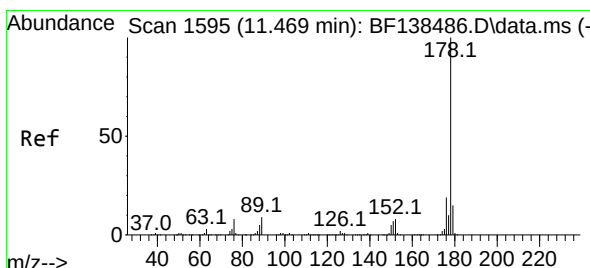
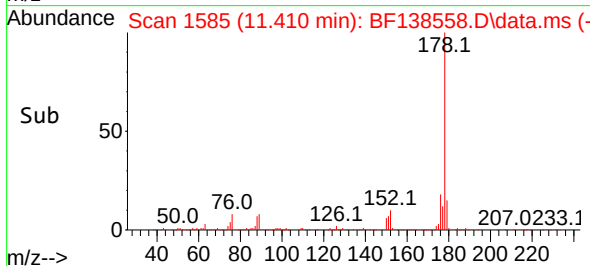
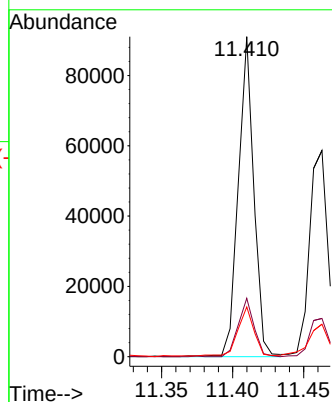
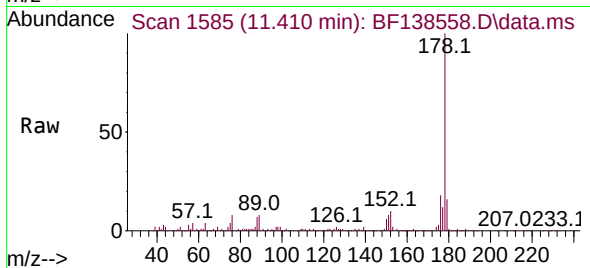
#71
Phenanthrene
Concen: 4.500 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:178 Resp: 6938
Ion Ratio Lower Upper
178 100
176 18.3 15.7 23.5
179 15.6 12.2 18.2

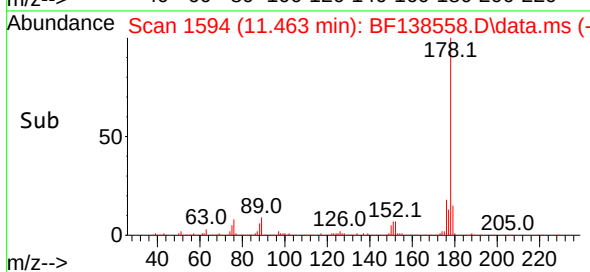
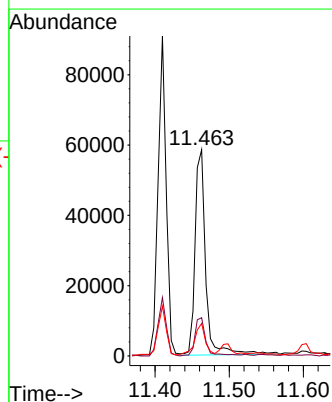
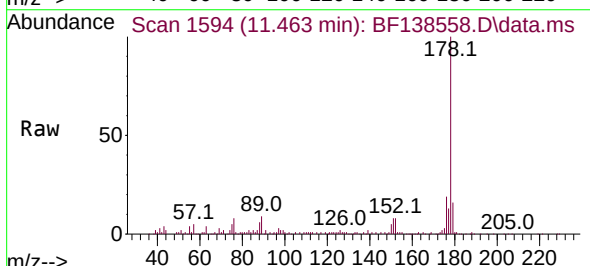
Manual Integrations
APPROVED

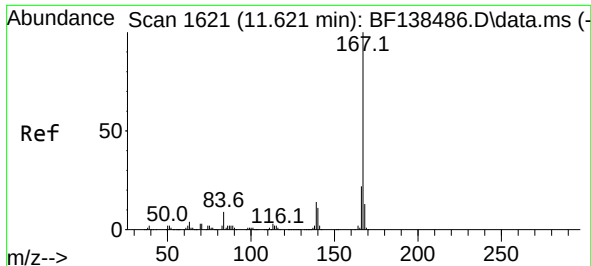
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#72
Anthracene
Concen: 3.810 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

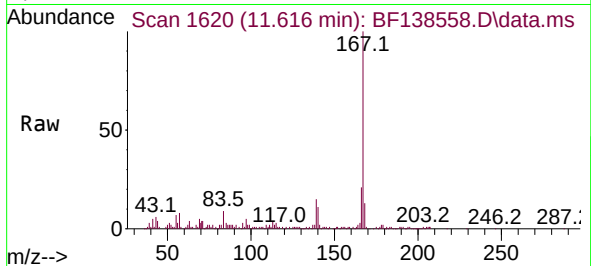
Tgt Ion:178 Resp: 58311
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.8 12.2 18.4





#73
 Carbazole
 Concen: 3.129 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF138558.D
 Acq: 12 Jul 2024 21:09

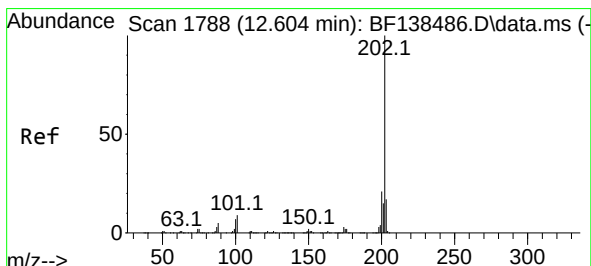
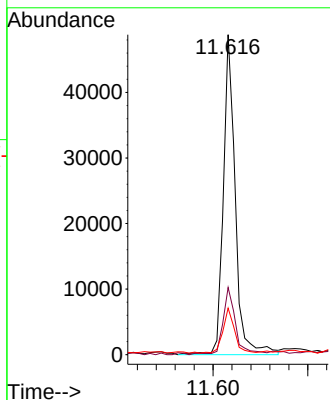
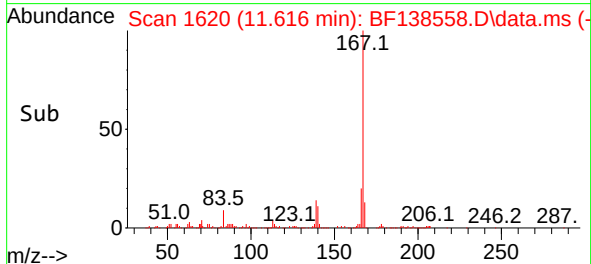
Instrument :
 BNA_F
 ClientSampleId :
 WC-3



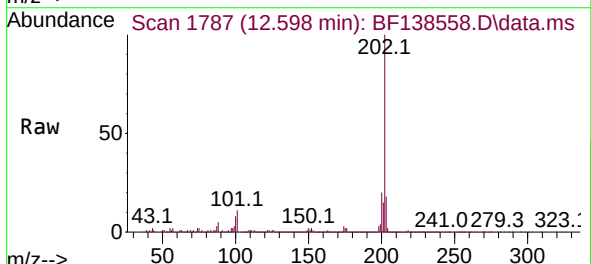
Tgt Ion:167 Resp: 43044
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.8 26.6
 139 14.5 11.0 16.4

Manual Integrations
 APPROVED

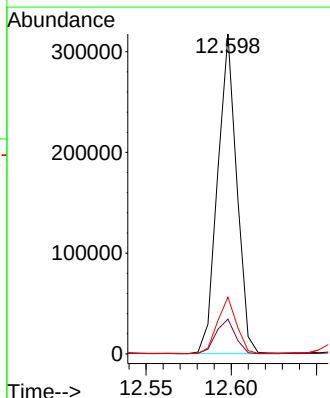
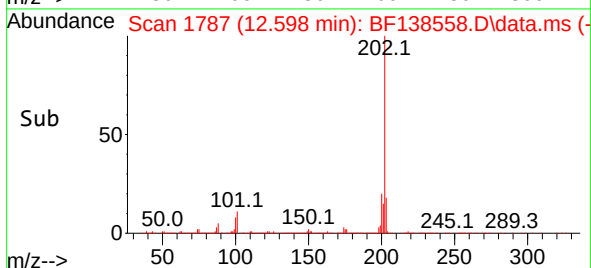
Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024

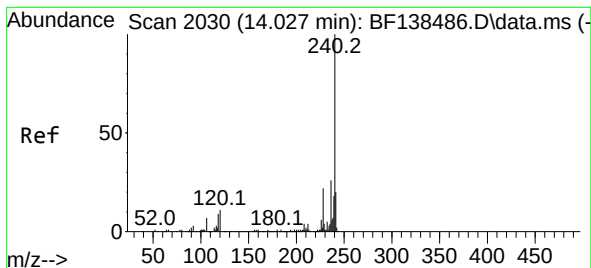


#75
 Fluoranthene
 Concen: 15.751 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF138558.D
 Acq: 12 Jul 2024 21:09



Tgt Ion:202 Resp: 247816
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.2
 203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.022 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:240 Resp: 16474

Ion Ratio Lower Upper

240 100

120 11.9 8.6 12.8

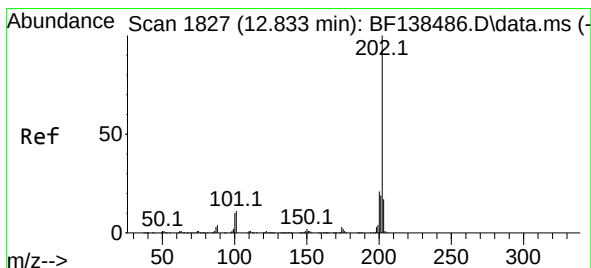
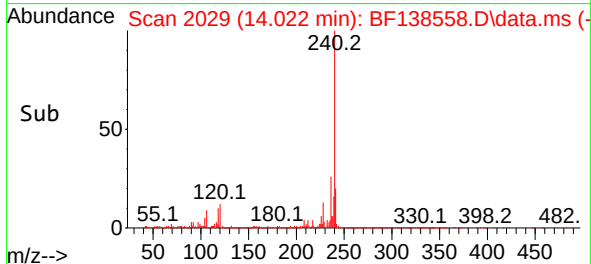
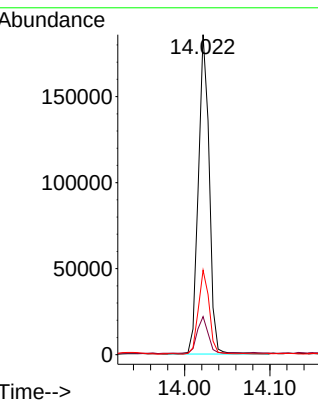
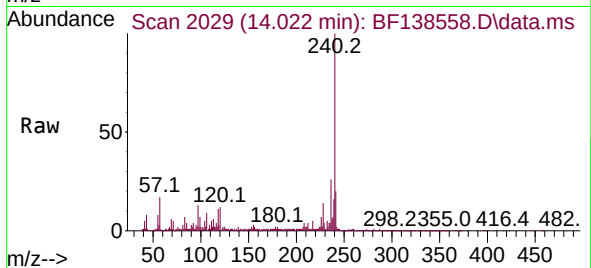
236 26.4 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#78

Pyrene

Concen: 15.818 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

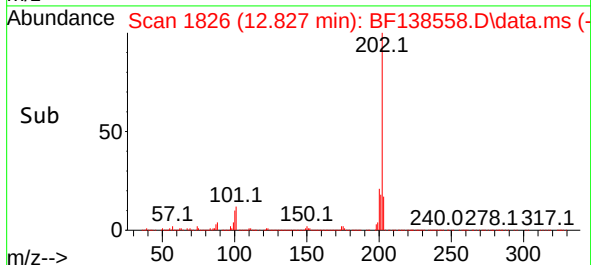
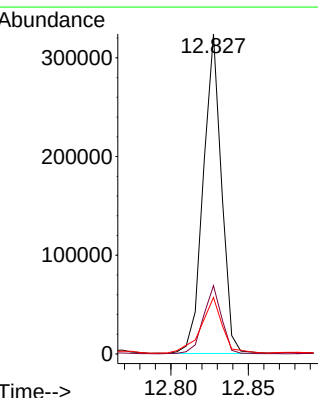
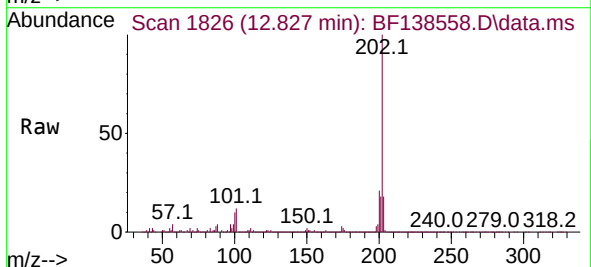
Tgt Ion:202 Resp: 264531

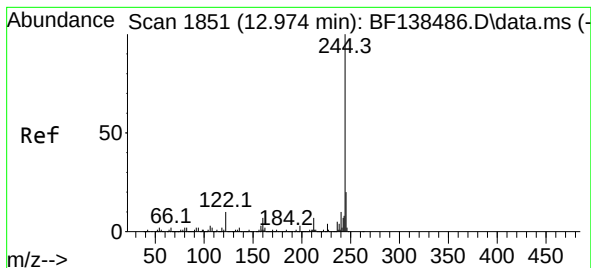
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.7 13.7 20.5





#79

Terphenyl-d14

Concen: 73.003 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

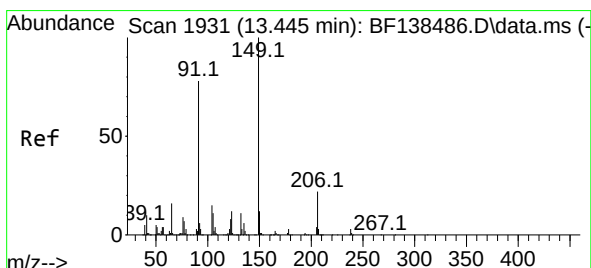
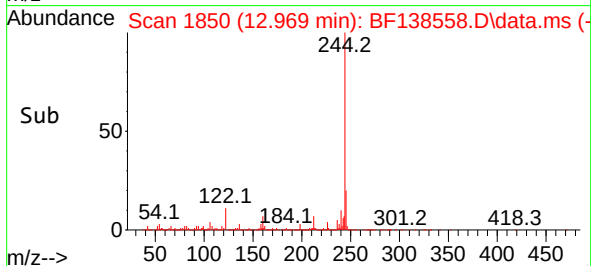
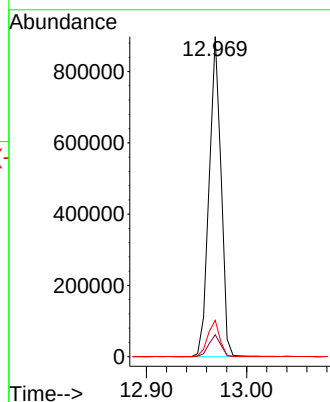
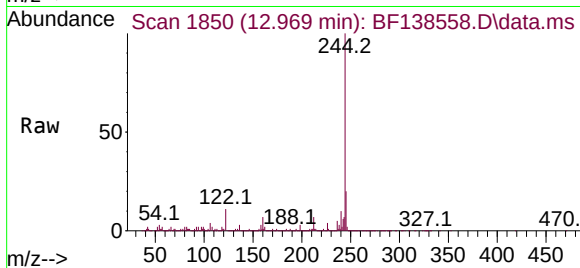
Tgt Ion:244 Resp: 738230
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.3 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#80

Butylbenzylphthalate

Concen: 2.692 ng

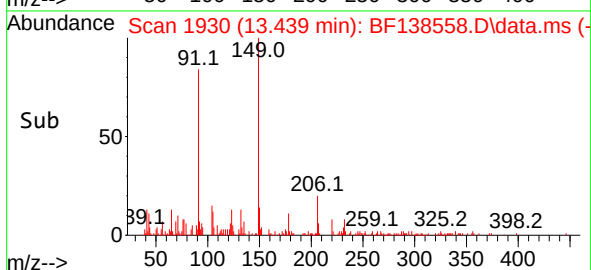
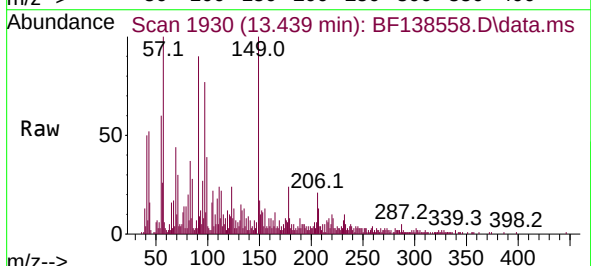
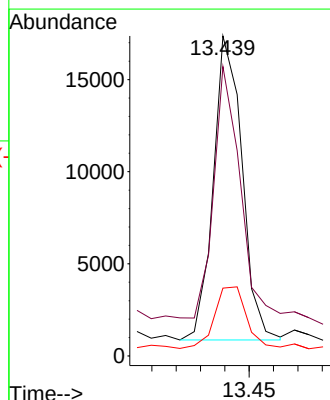
RT: 13.439 min Scan# 1930

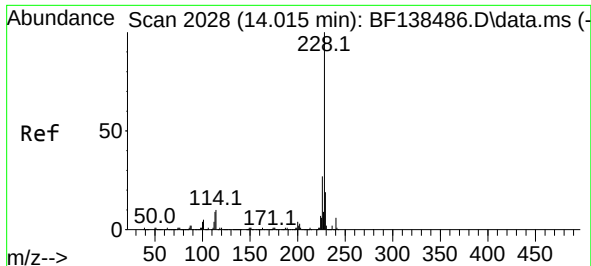
Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Tgt Ion:149 Resp: 13542
 Ion Ratio Lower Upper
 149 100
 91 90.5 62.1 93.1
 206 21.2 18.0 27.0





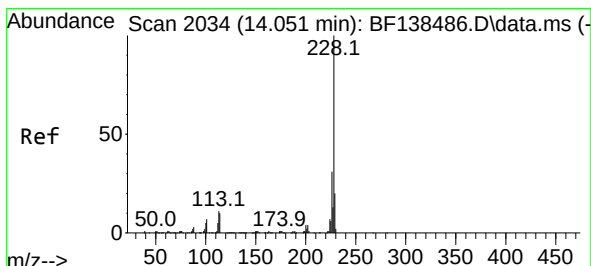
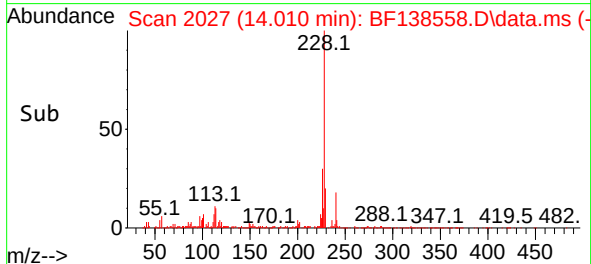
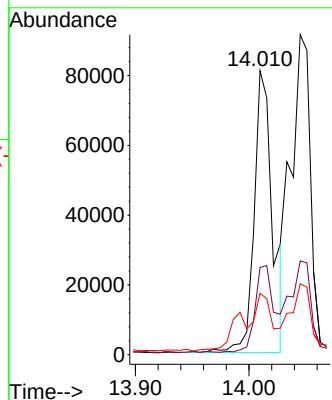
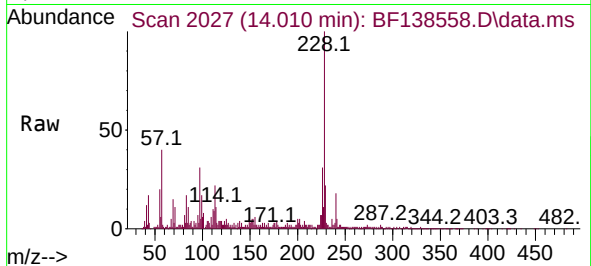
#81
Benzo(a)anthracene
Concen: 8.219 ng
RT: 14.010 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:228 Resp: 9085
Ion Ratio Lower Upper
228 100
226 30.7 21.9 32.9
229 21.6 15.5 23.3

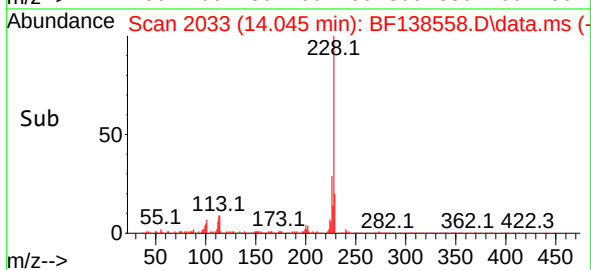
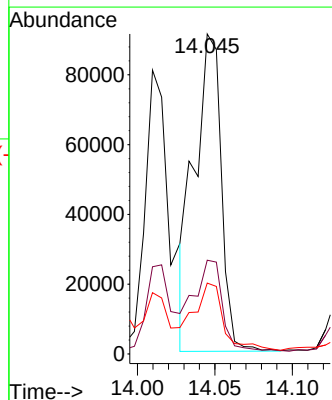
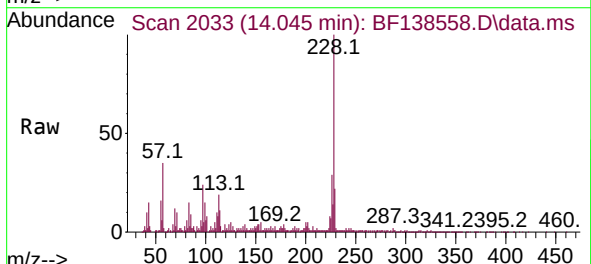
Manual Integrations
APPROVED

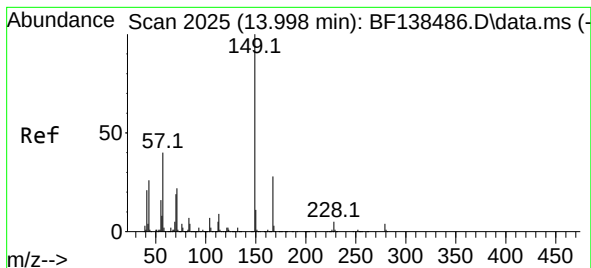
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#83
Chrysene
Concen: 10.505 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

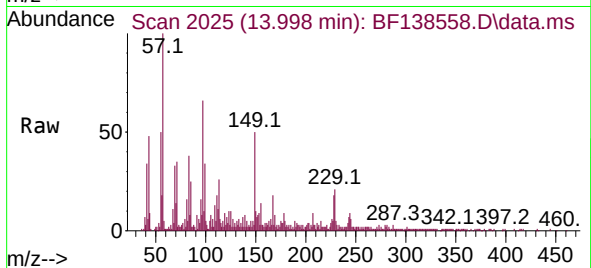
Tgt Ion:228 Resp: 109857
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 22.1 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.749 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

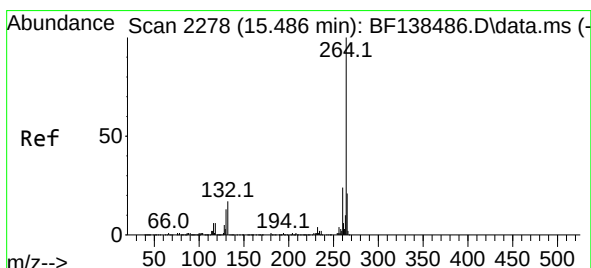
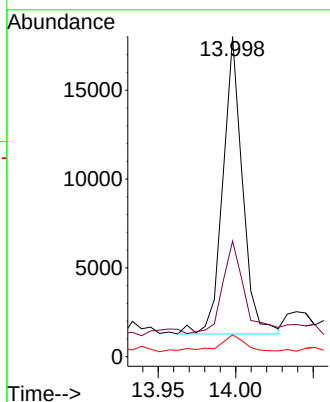
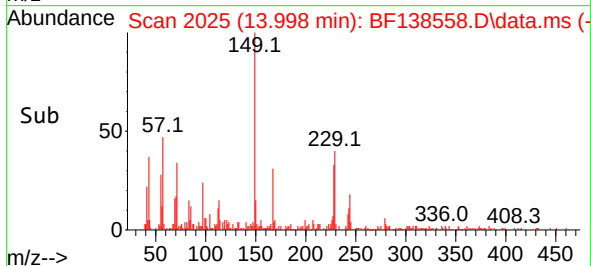
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:149 Resp: 1474
Ion Ratio Lower Upper
149 100
167 36.2 22.5 33.7
279 6.9 3.0 4.6

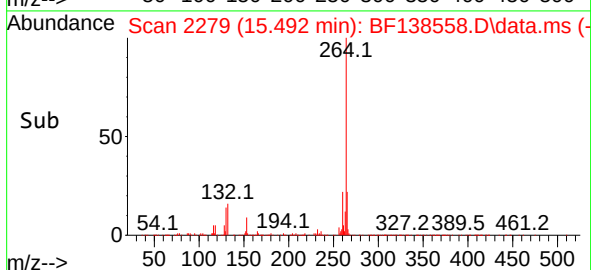
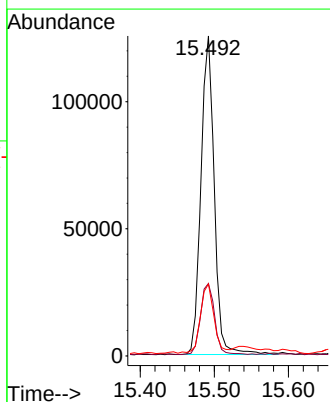
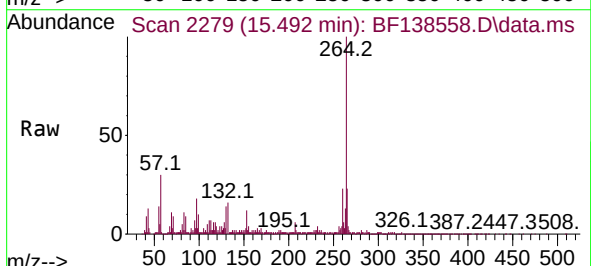
Manual Integrations
APPROVED

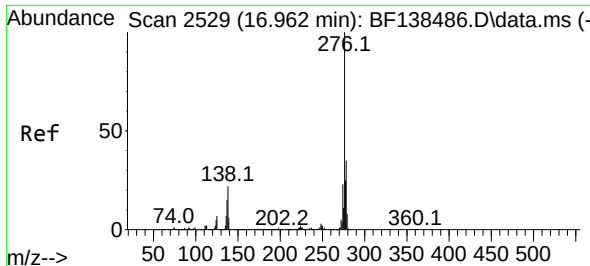
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

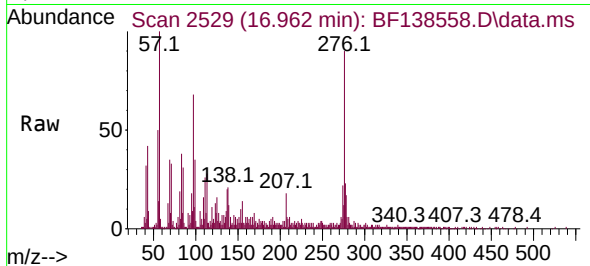
Tgt Ion:264 Resp: 157397
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 22.5 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.675 ng
RT: 16.962 min Scan# 2529
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09

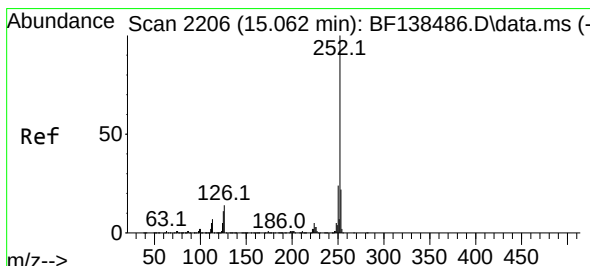
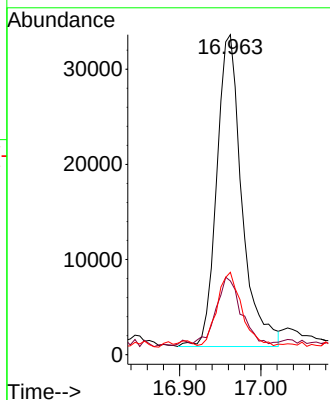
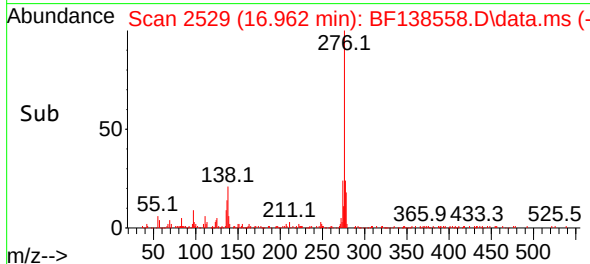
Instrument :
BNA_F
ClientSampleId :
WC-3



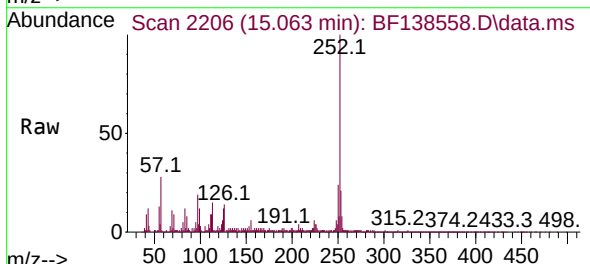
Tgt Ion:276 Resp: 70574
Ion Ratio Lower Upper
276 100
138 21.5 19.6 29.4
277 22.5 20.5 30.7

Manual Integrations
APPROVED

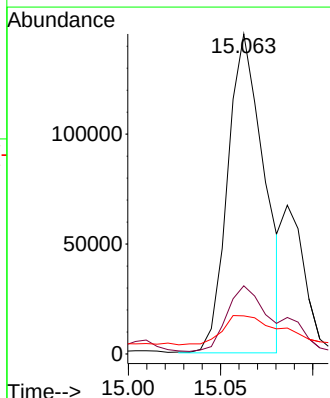
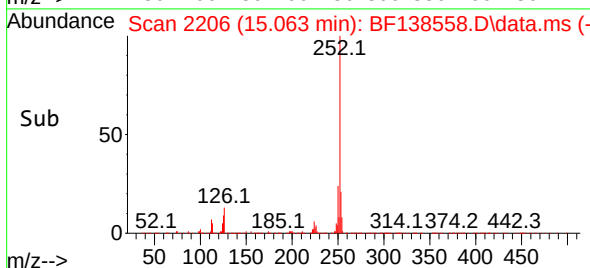
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

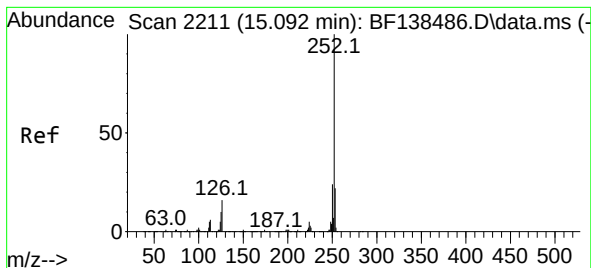


#88
Benzo(b)fluoranthene
Concen: 22.534 ng m
RT: 15.063 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF138558.D
Acq: 12 Jul 2024 21:09



Tgt Ion:252 Resp: 199744
Ion Ratio Lower Upper
252 100
253 21.3 17.3 25.9
125 11.9 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 6.504 ng m

RT: 15.086 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:252 Resp: 56228

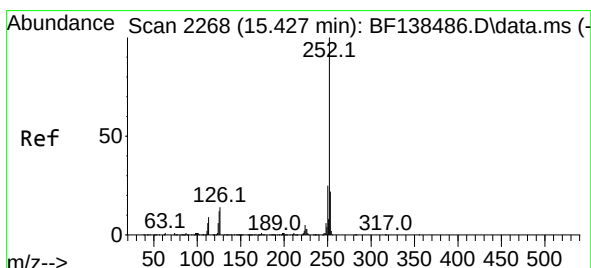
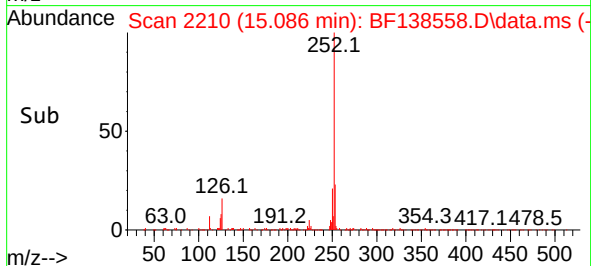
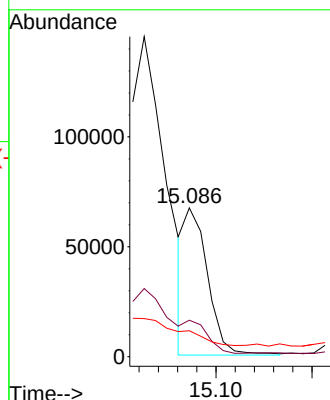
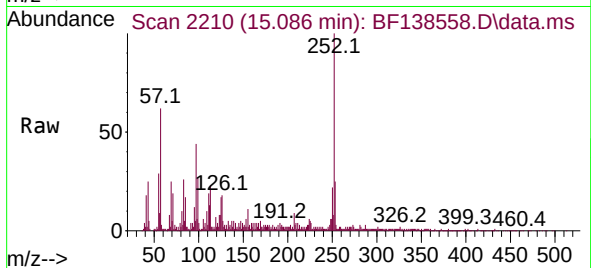
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	17.4	8.1	12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#90

Benzo(a)pyrene

Concen: 11.324 ng

RT: 15.427 min Scan# 2268

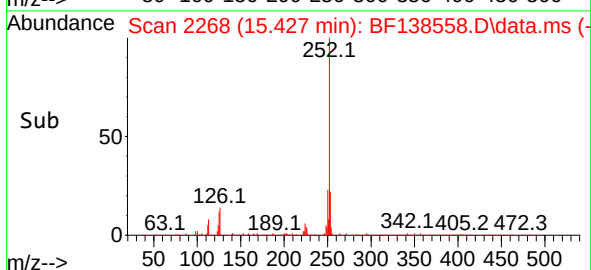
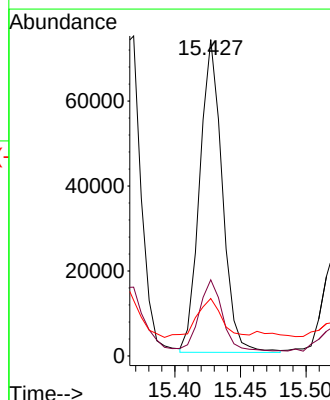
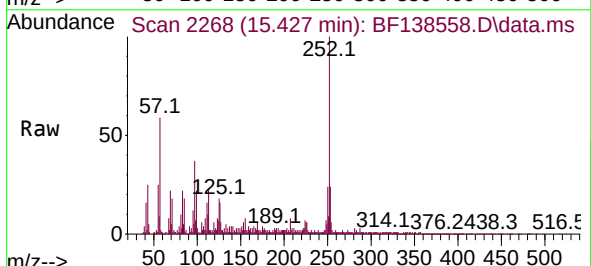
Delta R.T. 0.000 min

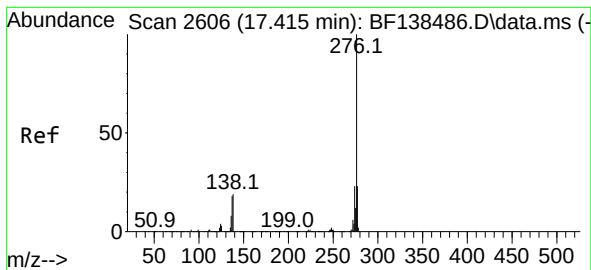
Lab File: BF138558.D

Acq: 12 Jul 2024 21:09

Tgt Ion:252 Resp: 88180

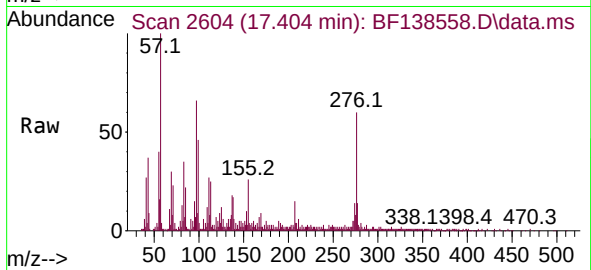
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	18.2	9.4	14.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.192 ng
 RT: 17.404 min Scan# 2064
 Delta R.T. -0.012 min
 Lab File: BF138558.D
 Acq: 12 Jul 2024 21:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-3



Tgt Ion: 276 Resp: 6595

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.0	27.0
138	28.0	15.5	23.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024

