

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
 Data File : BF138452.D
 Acq On : 03 Jul 2024 18:09
 Operator : CG\JU
 Sample : P3141-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-140-SB00

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 03 18:32:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	119548	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	447003	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	202910	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	266538	20.000	ng	0.00
76) Chrysene-d12	14.027	240	218487	20.000	ng	0.00
86) Perylene-d12	15.498	264	172309	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	706869	98.032	ng	0.00
7) Phenol-d6	6.510	99	916095	94.313	ng	0.00
23) Nitrobenzene-d5	7.434	82	587253	68.247	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	140718	84.882	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	879523	68.982	ng	0.00
79) Terphenyl-d14	12.974	244	629320	39.473	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	267831	20.581	ng	98
72) Anthracene	11.463	178	54624	4.209	ng	99
75) Fluoranthene	12.604	202	387978	33.255	ng	100
78) Pyrene	12.833	202	385156	16.494	ng	100
81) Benzo(a)anthracene	14.016	228	156473	11.127	ng	98
83) Chrysene	14.051	228	195091	14.257	ng	97
87) Indeno(1,2,3-cd)pyrene	16.957	276	39820	4.599	ng	94
88) Benzo(b)fluoranthene	15.068	252	167638m	17.732	ng	
89) Benzo(k)fluoranthene	15.092	252	40940m	4.702	ng	
90) Benzo(a)pyrene	15.433	252	73583	8.880	ng	99
92) Benzo(g,h,i)perylene	17.404	276	41127	6.016	ng	98

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

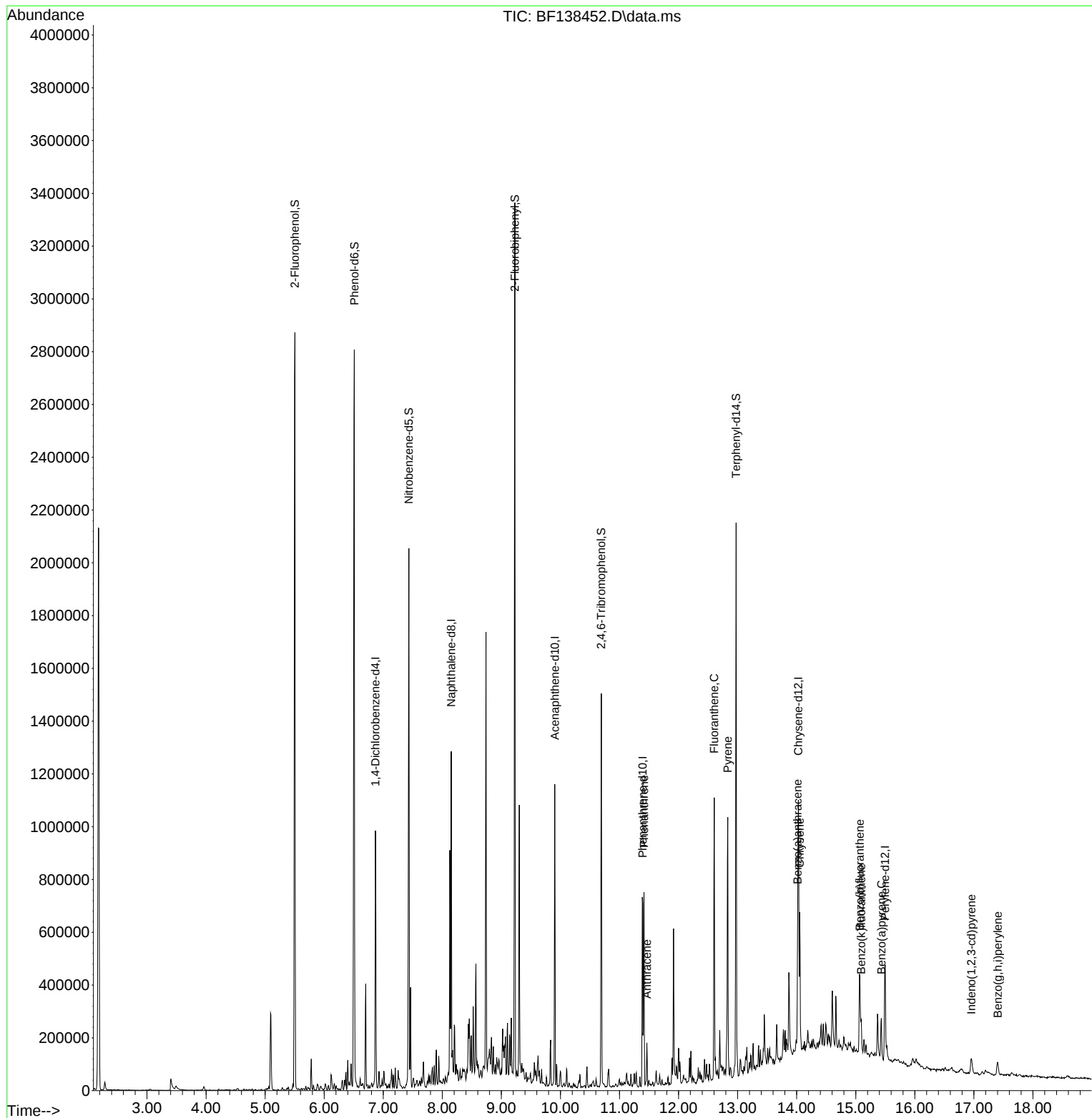
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
Data File : BF138452.D
Acq On : 03 Jul 2024 18:09
Operator : CG\JU
Sample : P3141-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

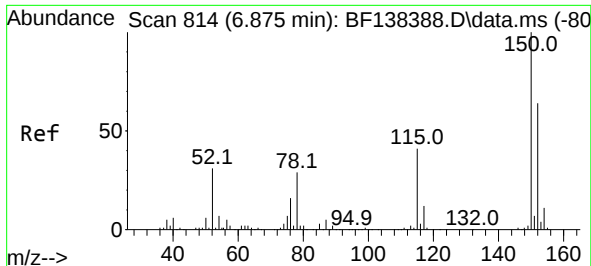
Instrument :
BNA_F
ClientSampleId :
B-140-SB00

Quant Time: Jul 03 18:32:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

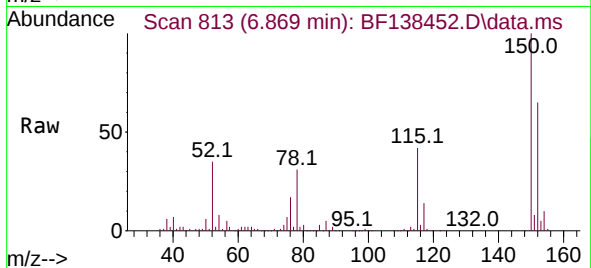
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

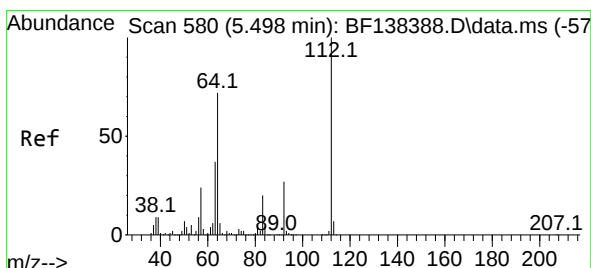
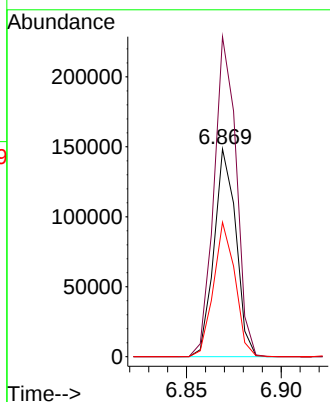
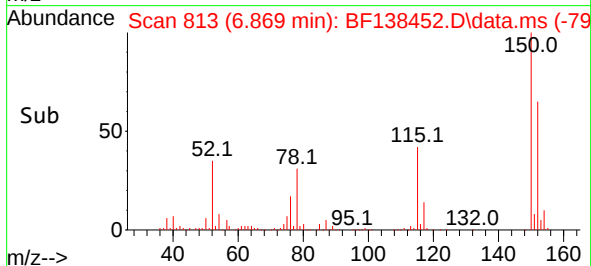
Instrument :
BNA_F
ClientSampleId :
B-140-SB00



Tgt Ion:152 Resp: 119548
Ion Ratio Lower Upper
152 100
150 154.1 124.9 187.3
115 64.7 50.8 76.2

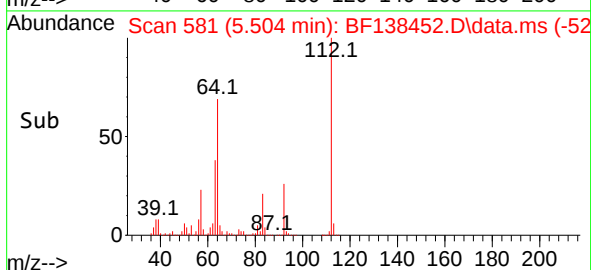
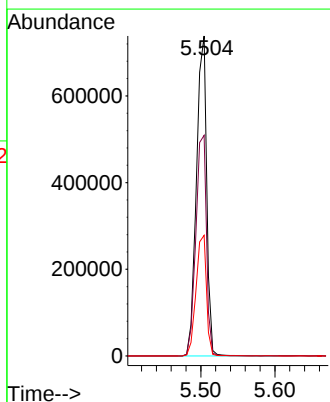
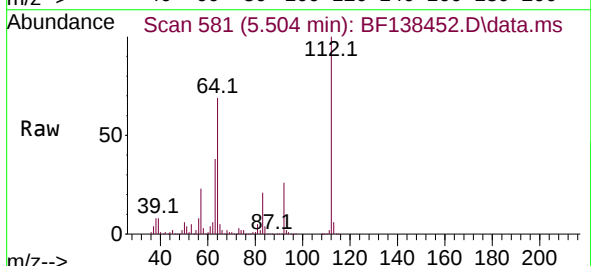
Manual Integrations
APPROVED

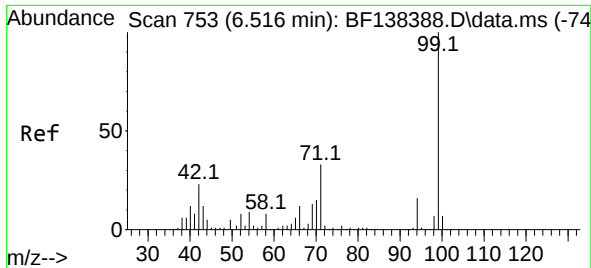
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#5
2-Fluorophenol
Concen: 98.032 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Tgt Ion:112 Resp: 706869
Ion Ratio Lower Upper
112 100
64 69.0 57.2 85.8
63 37.7 29.4 44.0





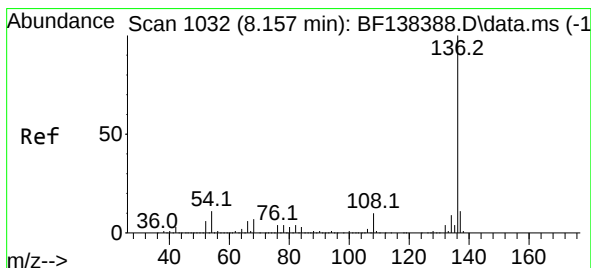
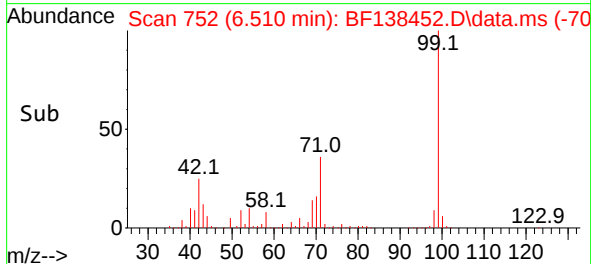
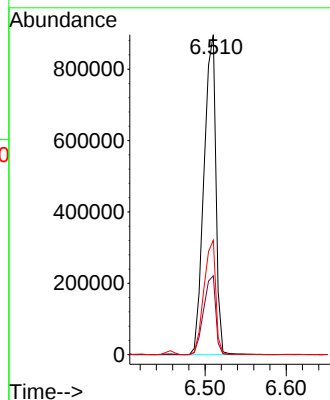
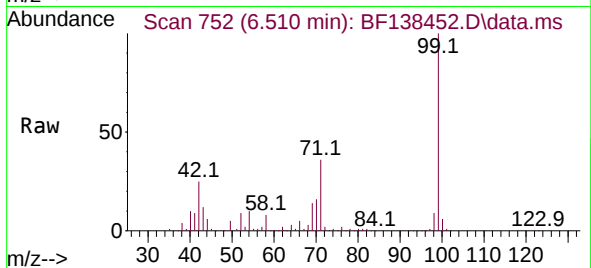
#7
Phenol-d6
Concen: 94.313 ng
RT: 6.510 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Instrument :
BNA_F
ClientSampleId :
B-140-SB00

Tgt Ion: 99 Resp: 91609
Ion Ratio Lower Upper
99 100
42 24.7 18.5 27.7
71 35.7 26.1 39.1

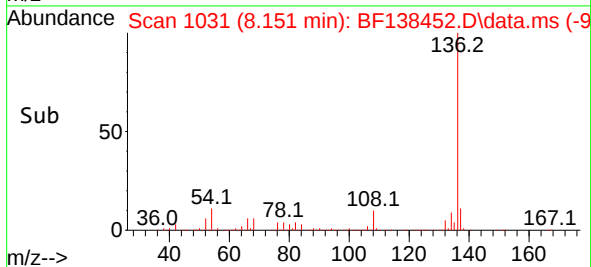
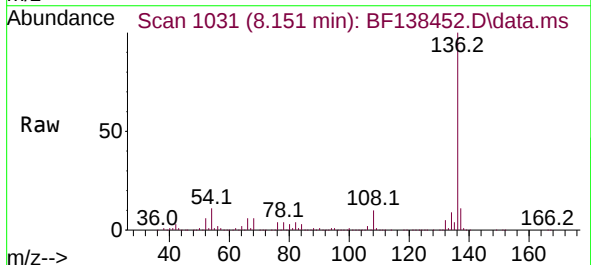
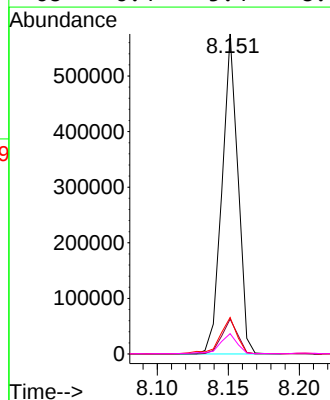
Manual Integrations
APPROVED

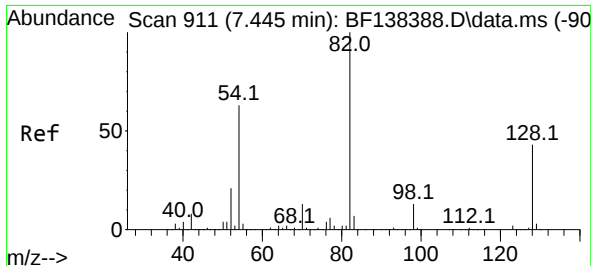
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Tgt Ion:136 Resp: 447003
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.4 9.0 13.4
68 6.4 5.4 8.0





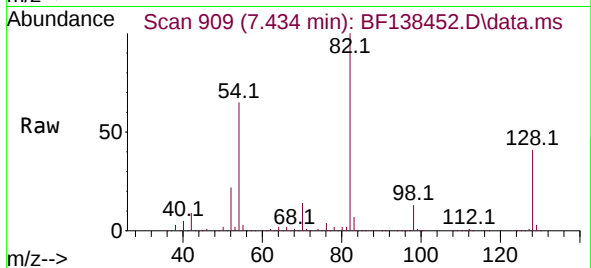
#23
Nitrobenzene-d5
Concen: 68.247 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

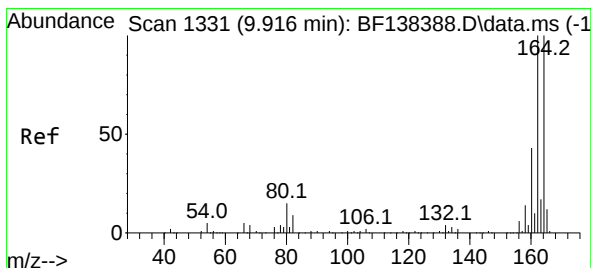
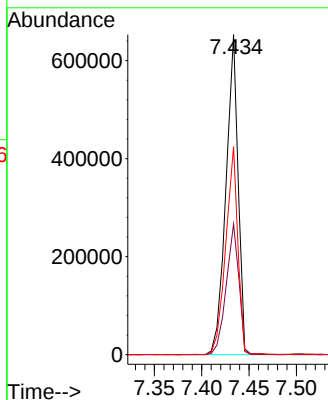
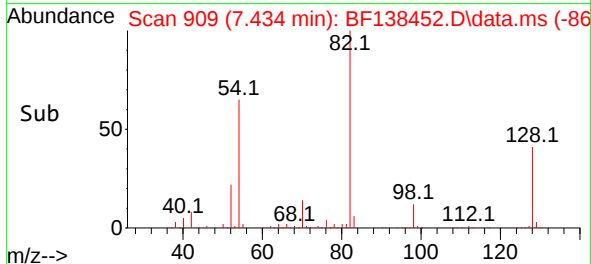


Tgt Ion: 82 Resp: 58725
Ion Ratio Lower Upper
82 100
128 40.8 34.6 52.0
54 65.0 50.5 75.7

Manual Integrations

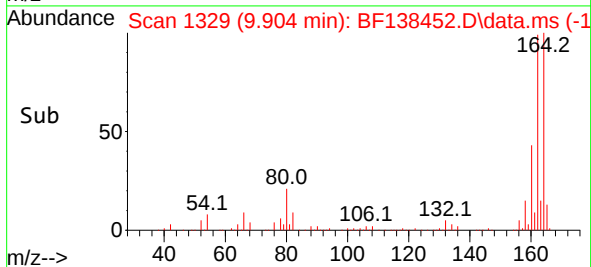
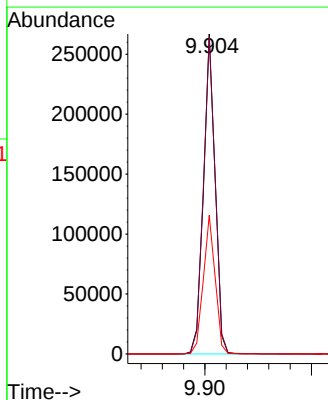
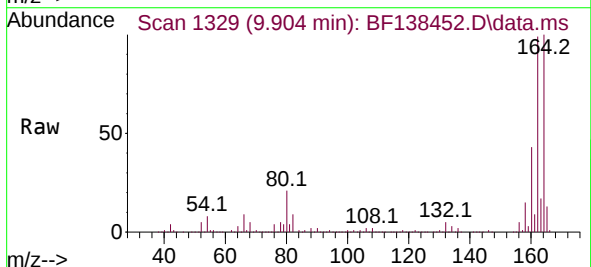
APPROVED

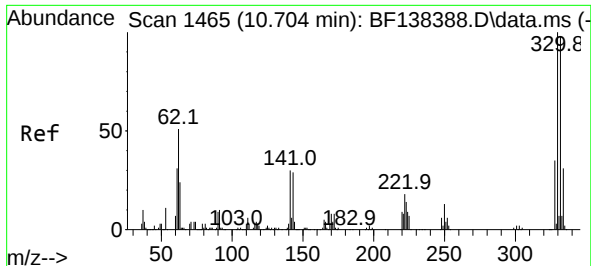
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Tgt Ion:164 Resp: 202910
Ion Ratio Lower Upper
164 100
162 98.9 80.1 120.1
160 43.4 34.1 51.1





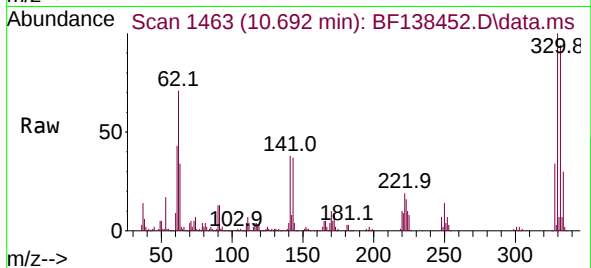
#42
2,4,6-Tribromophenol
Concen: 84.882 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Instrument :

BNA_F

ClientSampleId :

B-140-SB00



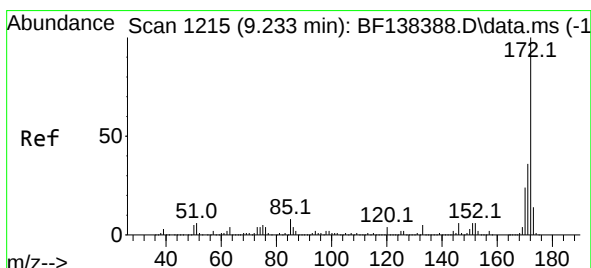
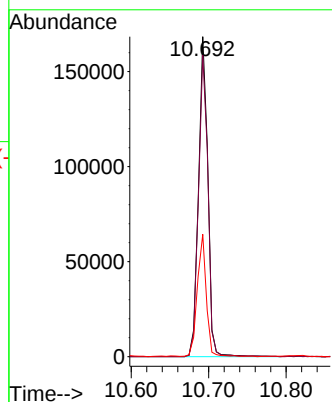
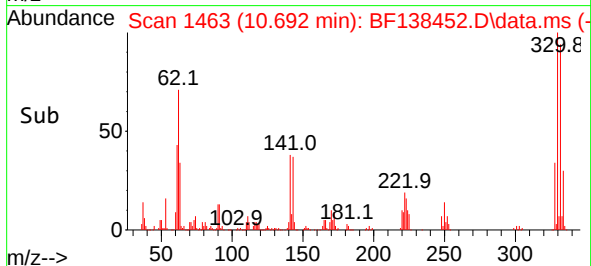
Tgt Ion:330 Resp: 140718
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 37.3 28.1 42.1

Manual Integrations

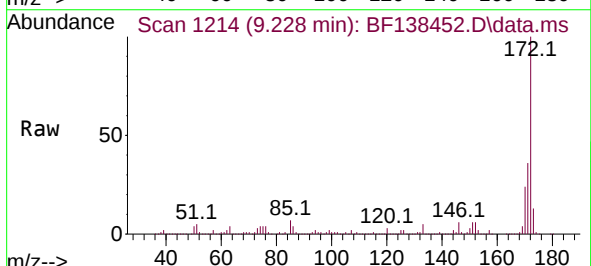
APPROVED

Reviewed By :Yogesh Patel 07/05/2024

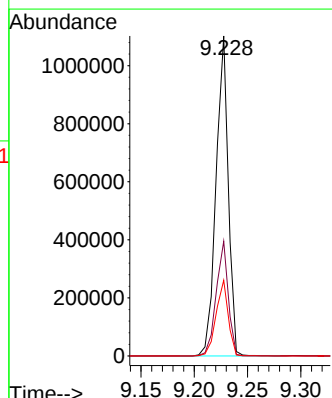
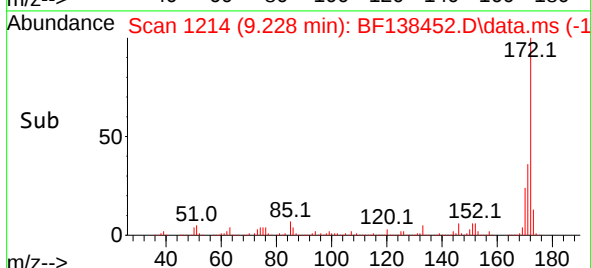
Supervised By :mohammad ahmed 07/05/2024

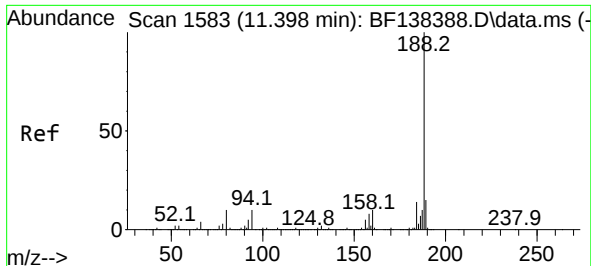


#45
2-Fluorobiphenyl
Concen: 68.982 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09



Tgt Ion:172 Resp: 879523
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.4
170 23.7 19.0 28.6





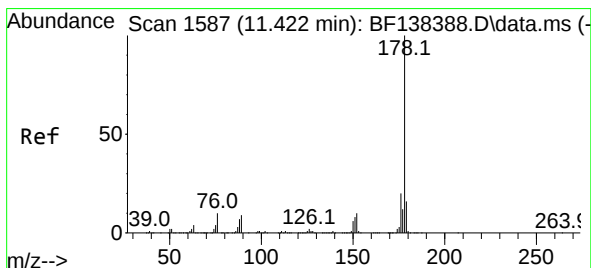
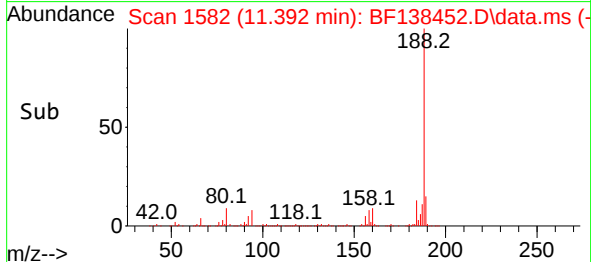
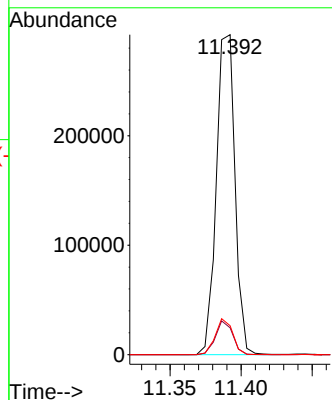
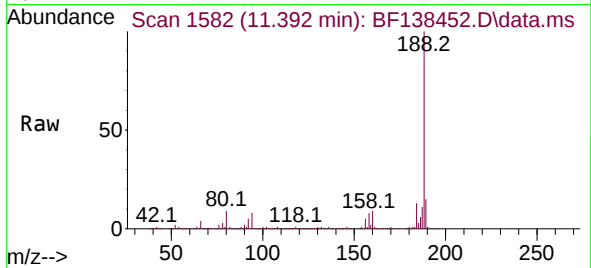
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.006 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Instrument :
BNA_F
ClientSampleId :
B-140-SB00

Tgt Ion:188 Resp: 266538
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.0 8.2 12.4

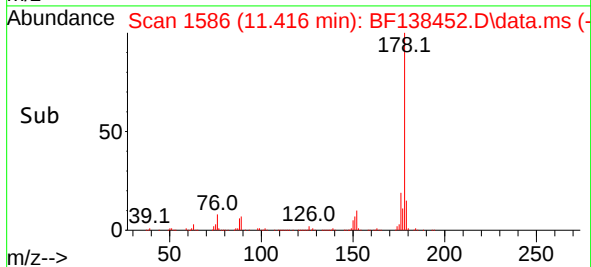
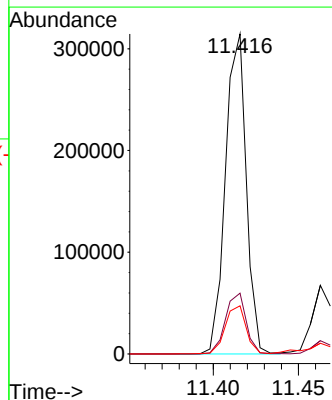
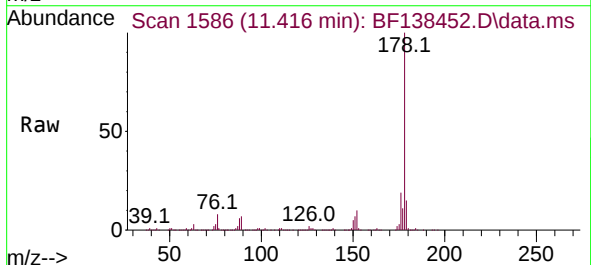
Manual Integrations
APPROVED

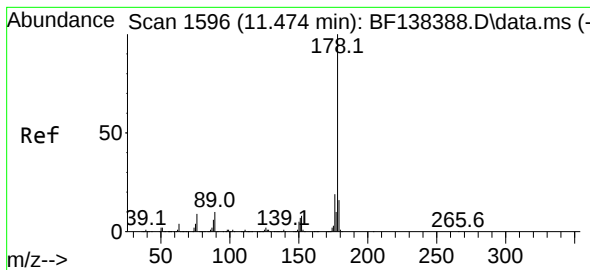
Reviewed By :Yogesh Patel 07/05/2024
Supervised By :mohammad ahmed 07/05/2024



#71
Phenanthrene
Concen: 20.581 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138452.D
Acq: 03 Jul 2024 18:09

Tgt Ion:178 Resp: 267831
Ion Ratio Lower Upper
178 100
176 19.0 16.1 24.1
179 15.1 12.6 18.8





#72

Anthracene

Concen: 4.209 ng

RT: 11.463 min Scan# 1594

Delta R.T. -0.011 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

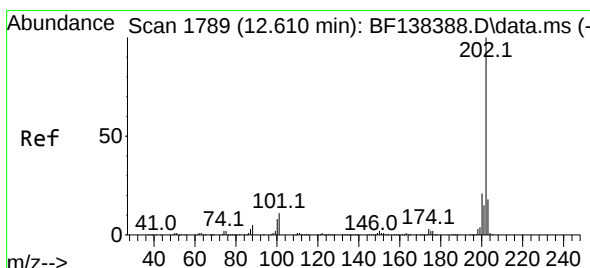
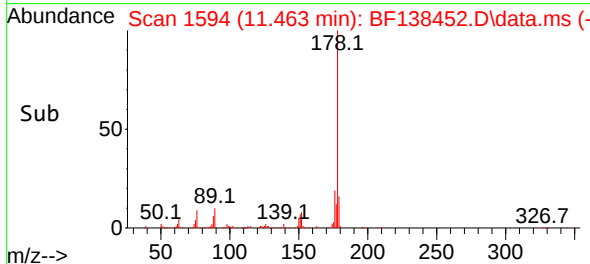
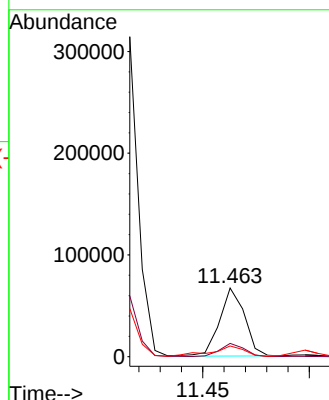
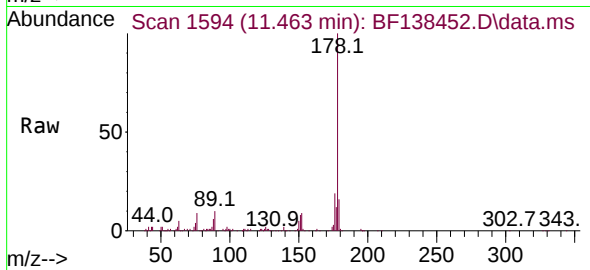
Tgt Ion:178 Resp: 54624
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.6
 179 15.6 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#75

Fluoranthene

Concen: 33.255 ng

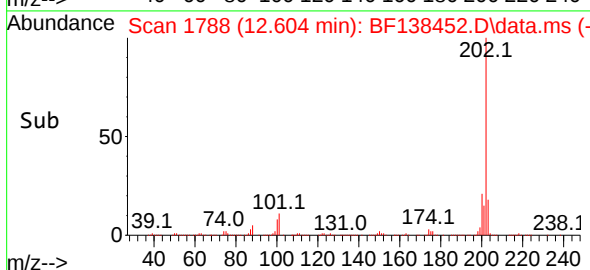
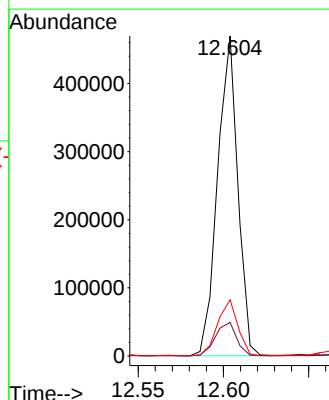
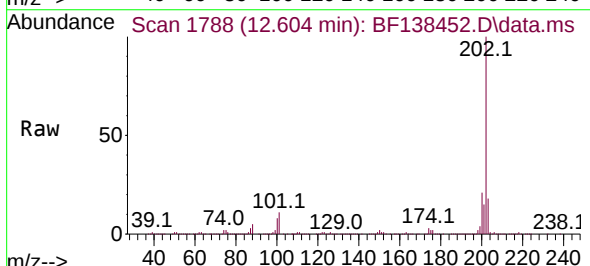
RT: 12.604 min Scan# 1788

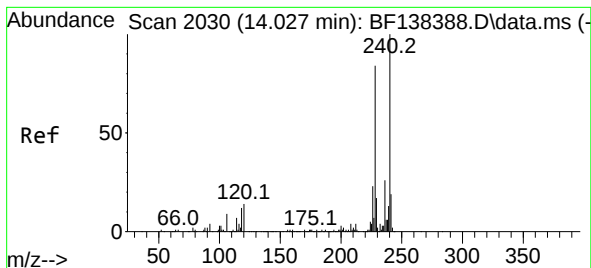
Delta R.T. -0.006 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Tgt Ion:202 Resp: 387978
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.5
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

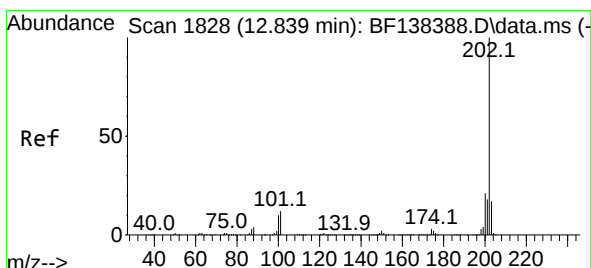
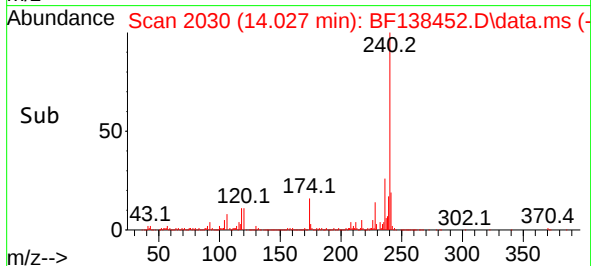
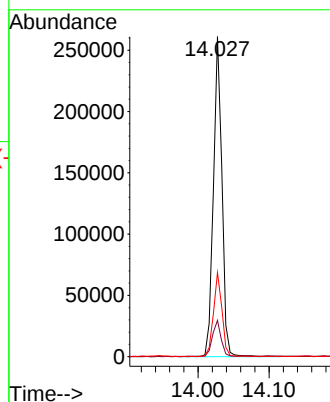
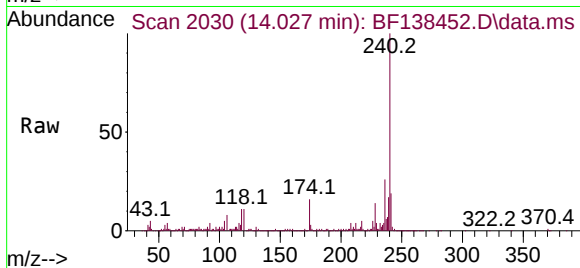
Tgt Ion:240	Resp: 21848
Ion Ratio	Lower Upper
240 100	
120 11.3	10.9 16.3
236 26.3	20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#78

Pyrene

Concen: 16.494 ng

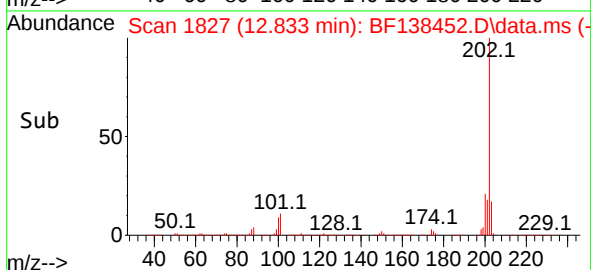
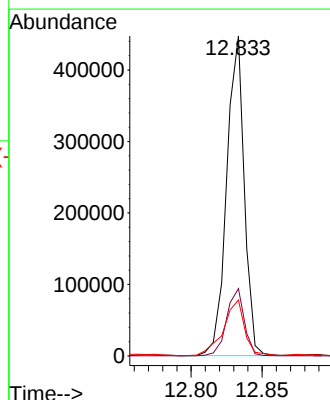
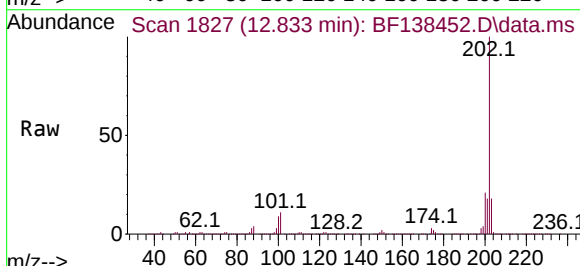
RT: 12.833 min Scan# 1827

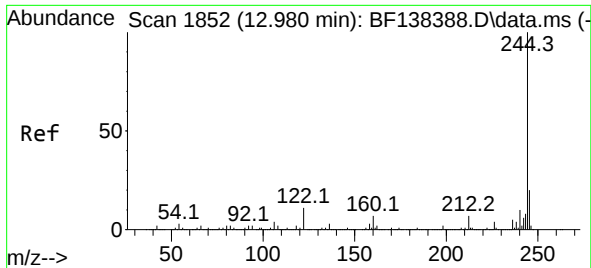
Delta R.T. -0.006 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

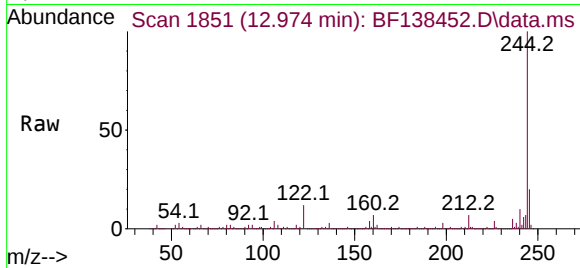
Tgt Ion:202	Resp: 385156
Ion Ratio	Lower Upper
202 100	
200 21.0	16.9 25.3
203 17.5	13.8 20.8





#79
 Terphenyl-d14
 Concen: 39.473 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138452.D
 Acq: 03 Jul 2024 18:09

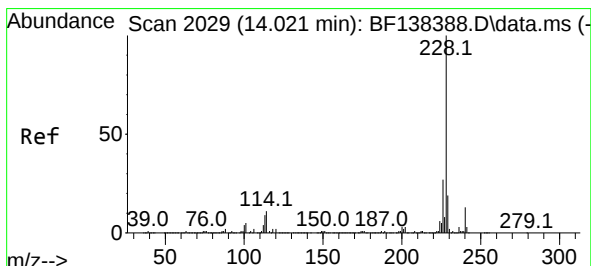
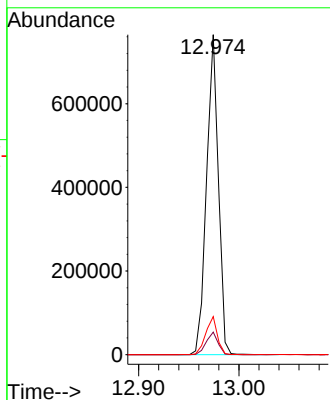
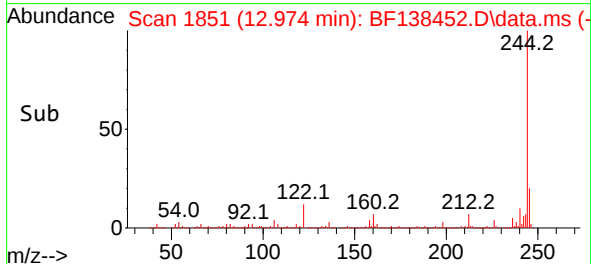
Instrument :
 BNA_F
 ClientSampleId :
 B-140-SB00



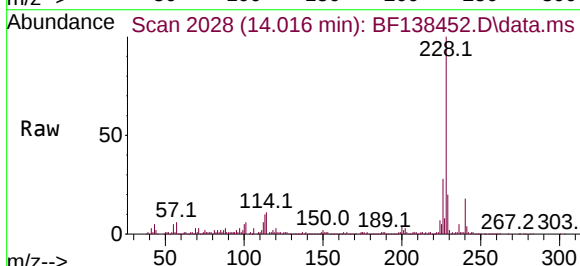
Tgt Ion:244 Resp: 629320
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 11.9 9.0 13.4

Manual Integrations
 APPROVED

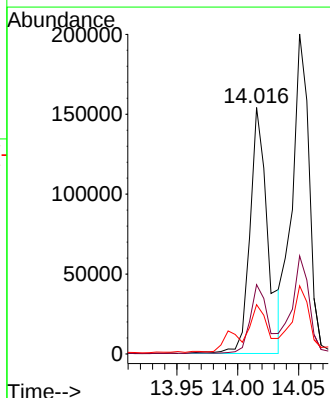
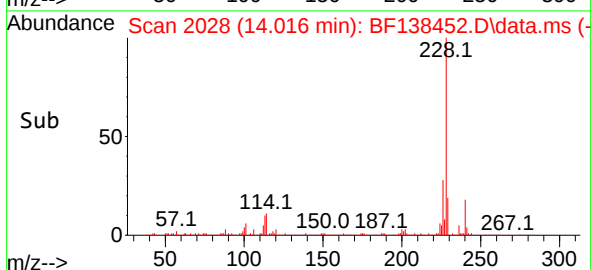
Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

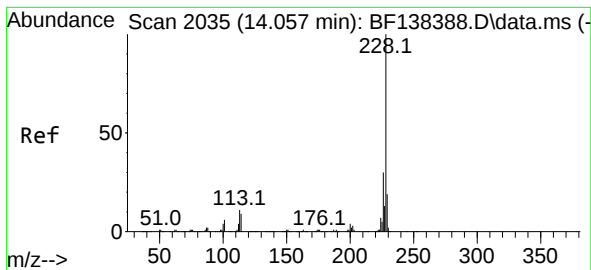


#81
 Benzo(a)anthracene
 Concen: 11.127 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF138452.D
 Acq: 03 Jul 2024 18:09



Tgt Ion:228 Resp: 156473
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.7 32.5
 229 20.0 15.5 23.3





#83

Chrysene

Concen: 14.257 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

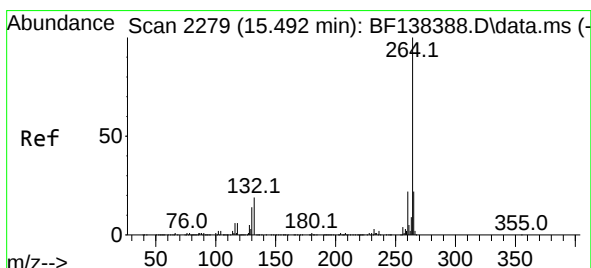
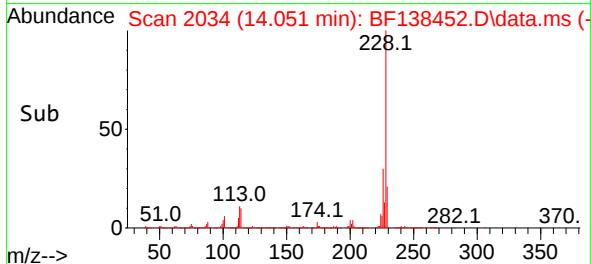
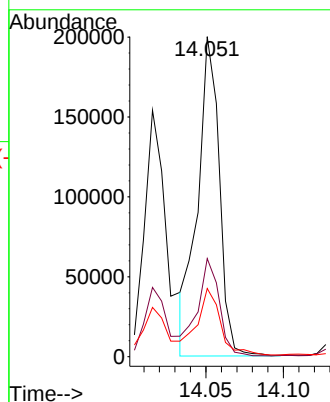
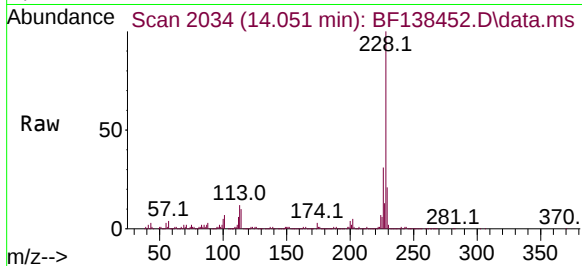
Tgt Ion:228	Resp: 19509
Ion Ratio	Lower Upper
228 100	
226 30.7	23.8 35.6
229 21.3	15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#86

Perylene-d12

Concen: 20.000 ng

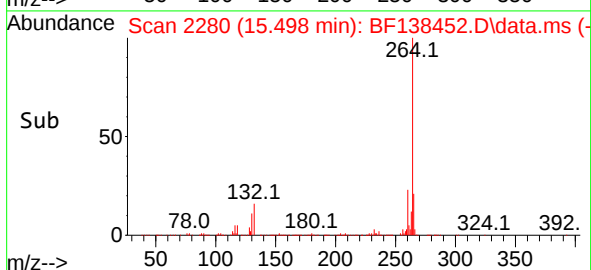
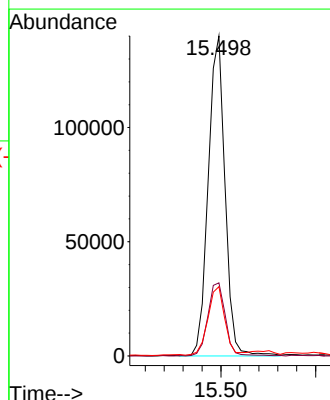
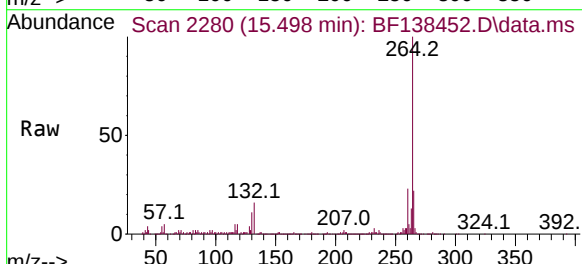
RT: 15.498 min Scan# 2280

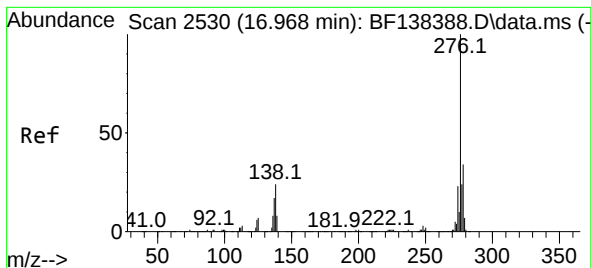
Delta R.T. 0.006 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Tgt Ion:264	Resp: 172309
Ion Ratio	Lower Upper
264 100	
260 22.9	17.8 26.6
265 21.7	17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.599 ng

RT: 16.957 min Scan# 2528

Delta R.T. -0.012 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

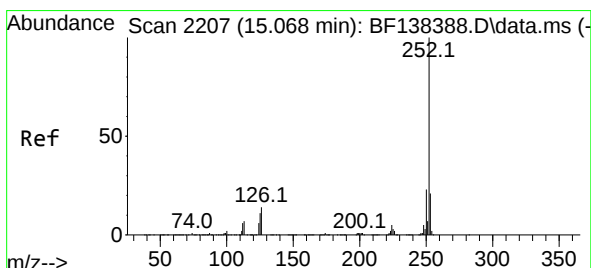
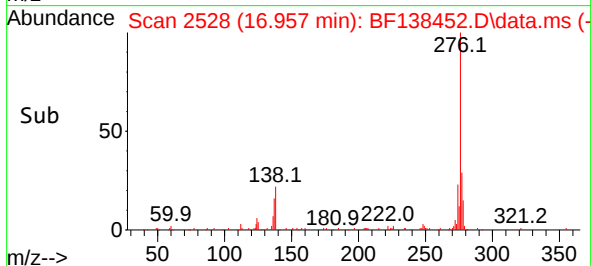
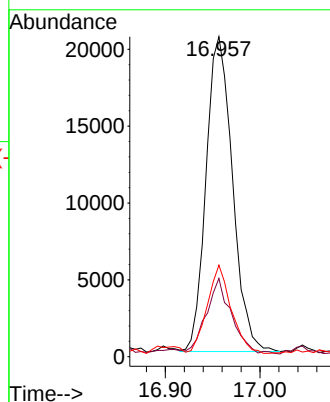
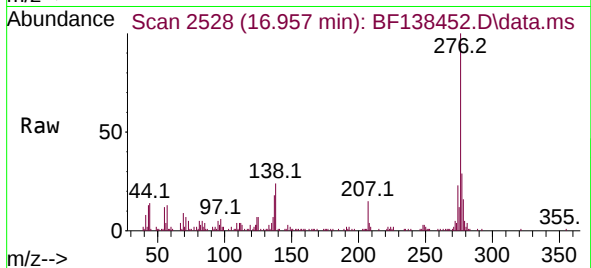
Tgt Ion:	276	Resp:	39820
Ion Ratio	Lower	Upper	
276	100		
138	22.9	22.1	33.1
277	26.8	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#88

Benzo(b)fluoranthene

Concen: 17.732 ng m

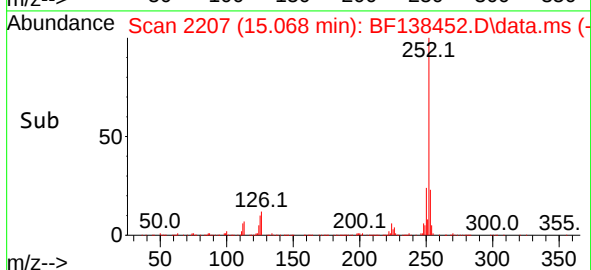
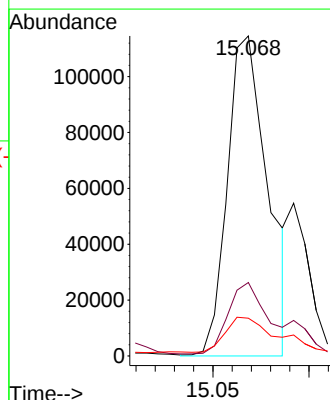
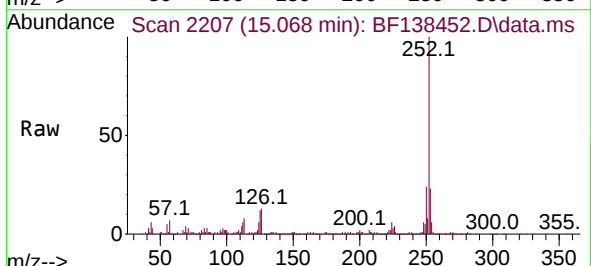
RT: 15.068 min Scan# 2207

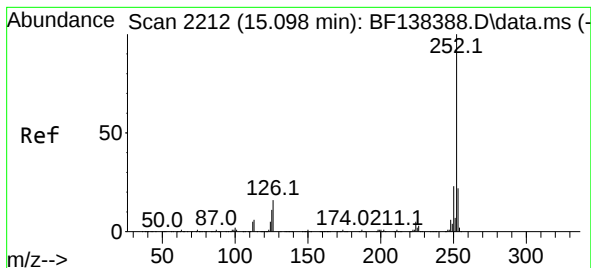
Delta R.T. 0.000 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Tgt Ion:	252	Resp:	167638
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.4
125	11.8	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 4.702 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

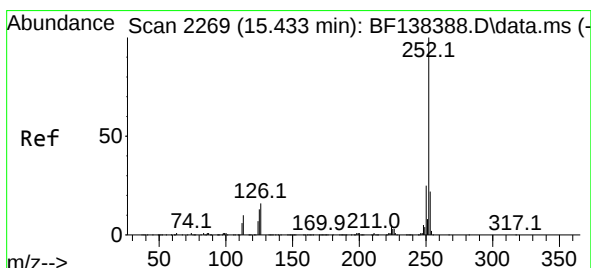
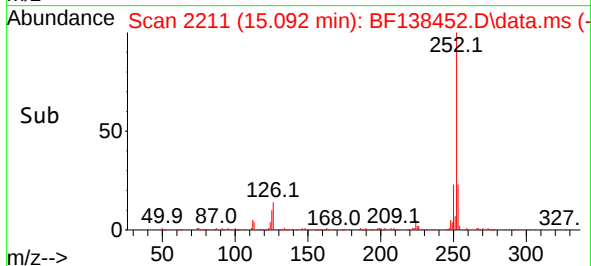
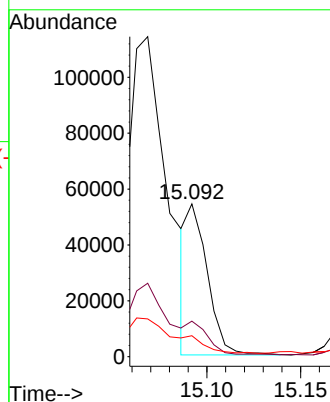
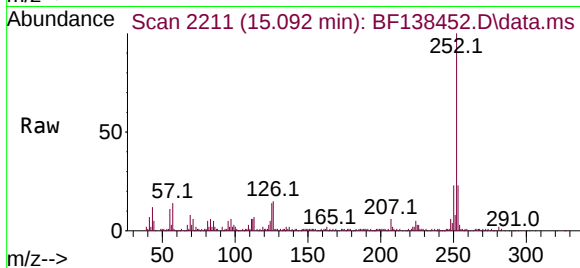
Tgt Ion:252 Resp: 40940
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.4 26.2
 125 13.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#90

Benzo(a)pyrene

Concen: 8.880 ng

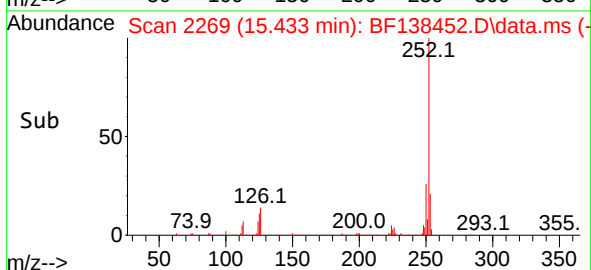
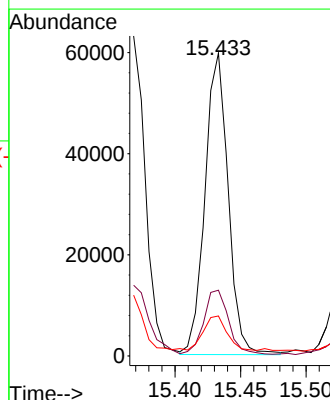
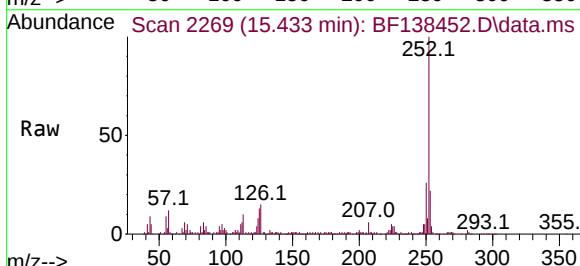
RT: 15.433 min Scan# 2269

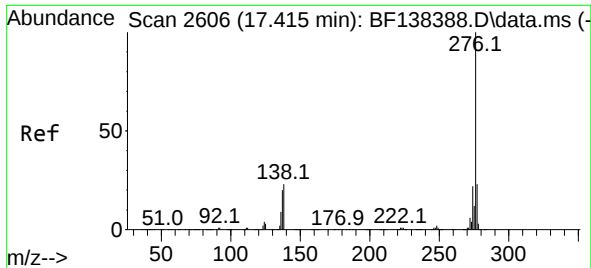
Delta R.T. 0.000 min

Lab File: BF138452.D

Acq: 03 Jul 2024 18:09

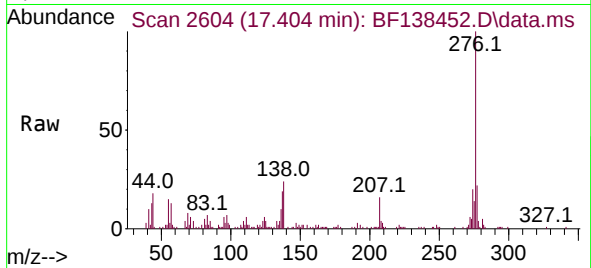
Tgt Ion:252 Resp: 73583
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.6 26.4
 125 13.2 10.2 15.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.016 ng
 RT: 17.404 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF138452.D
 Acq: 03 Jul 2024 18:09

Instrument :
 BNA_F
 ClientSampleId :
 B-140-SB00



Tgt Ion:276 Resp: 4112
 Ion Ratio Lower Upper
 276 100
 277 22.0 18.3 27.5
 138 23.5 18.3 27.5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024
 Supervised By :mohammad ahmed 07/05/2024

