

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070524\
 Data File : BF138469.D
 Acq On : 05 Jul 2024 15:32
 Operator : CG\JU
 Sample : P3141-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-140-SB00

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 05 15:57:13 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	68662	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	267059	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	145782	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	246245	20.000	ng	0.00
76) Chrysene-d12	14.027	240	153573	20.000	ng	0.00
86) Perylene-d12	15.498	264	144134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	422717	102.072	ng	0.00
7) Phenol-d6	6.504	99	555669	99.603	ng	-0.01
23) Nitrobenzene-d5	7.434	82	353734	68.808	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	122752	103.061	ng	-0.01
45) 2-Fluorobiphenyl	9.227	172	572178	62.463	ng	0.00
79) Terphenyl-d14	12.974	244	491788	43.885	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	245998	20.461	ng	99
72) Anthracene	11.469	178	46181	3.852	ng	98
75) Fluoranthene	12.604	202	305658	28.358	ng	99
78) Pyrene	12.833	202	290156	17.678	ng	99
81) Benzo(a)anthracene	14.021	228	100670	10.184	ng	97
83) Chrysene	14.057	228	140707	14.629	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	30465	4.207	ng	95
88) Benzo(b)fluoranthene	15.068	252	131869m	16.675	ng	
89) Benzo(k)fluoranthene	15.098	252	43142m	5.923	ng	
90) Benzo(a)pyrene	15.433	252	61300	8.844	ng	95
92) Benzo(g,h,i)perylene	17.409	276	29817	5.214	ng	93

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

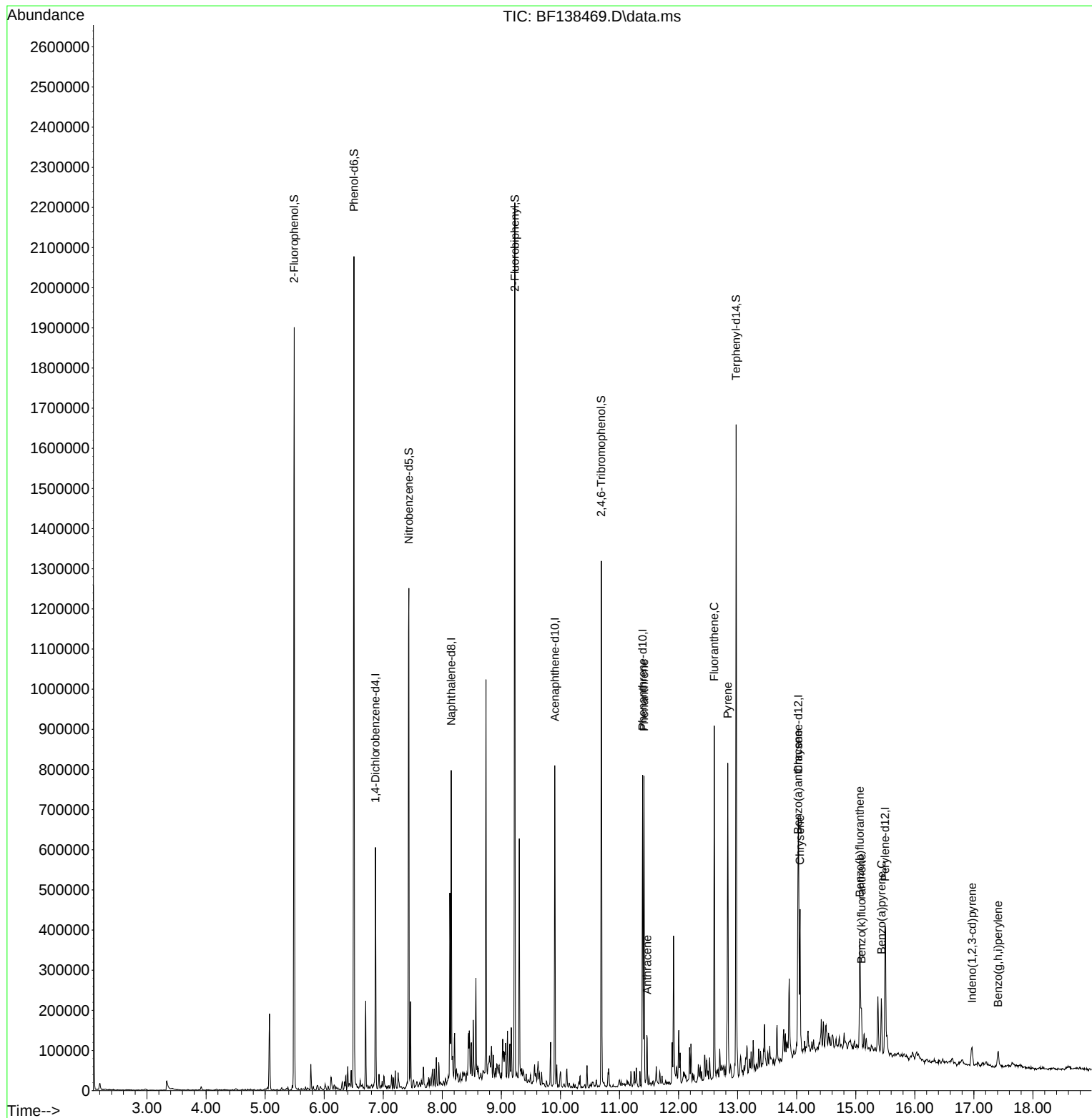
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070524\
Data File : BF138469.D
Acq On : 05 Jul 2024 15:32
Operator : CG\JU
Sample : P3141-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

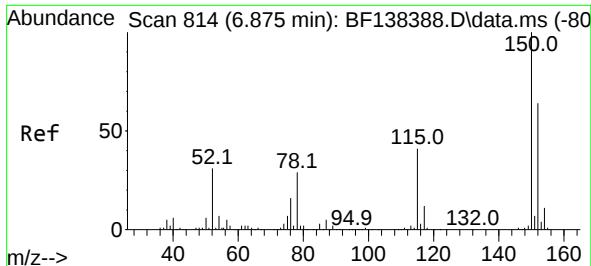
Instrument :
BNA_F
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B-140-SB00

Quant Time: Jul 05 15:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
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Supervised By :mohammad ahmed 07/08/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

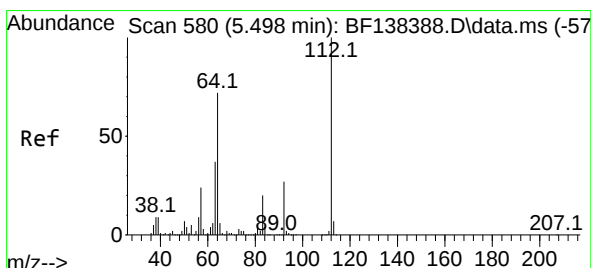
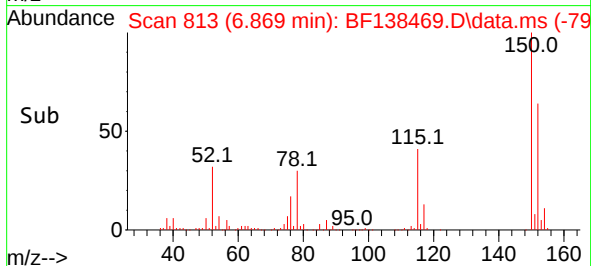
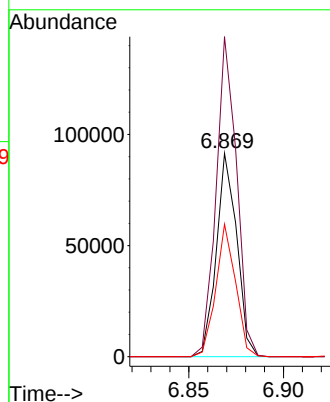
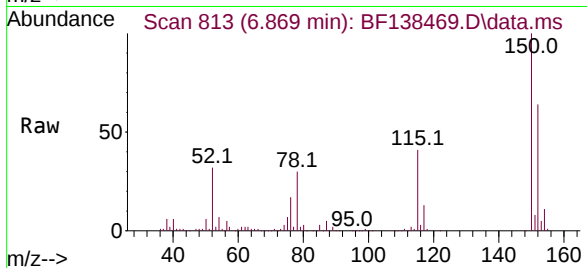
Tgt Ion:152 Resp: 68662
Ion Ratio Lower Upper
152 100
150 157.3 124.9 187.3
115 65.2 50.8 76.2

Manual Integrations

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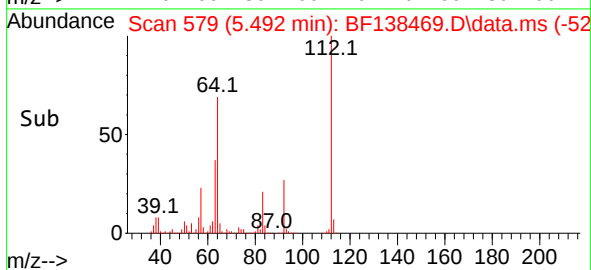
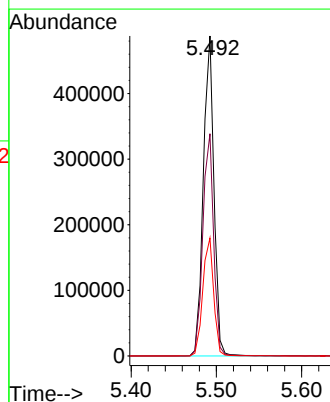
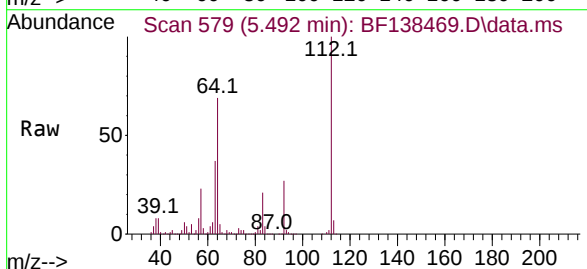
Reviewed By :Yogesh Patel 07/08/2024

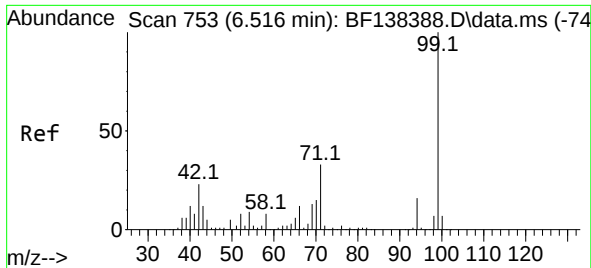
Supervised By :mohammad ahmed 07/08/2024



#5
2-Fluorophenol
Concen: 102.072 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:112 Resp: 422717
Ion Ratio Lower Upper
112 100
64 69.4 57.2 85.8
63 36.9 29.4 44.0





#7
Phenol-d6
Concen: 99.603 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

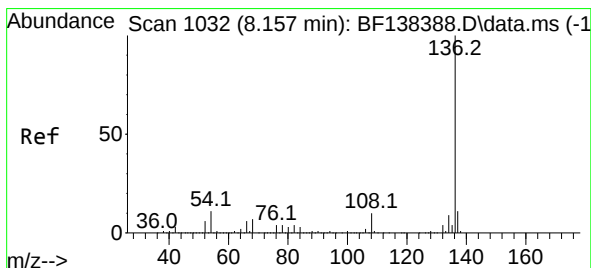
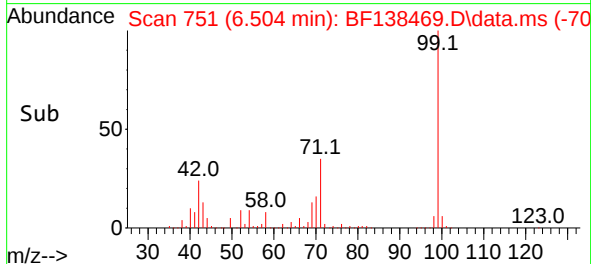
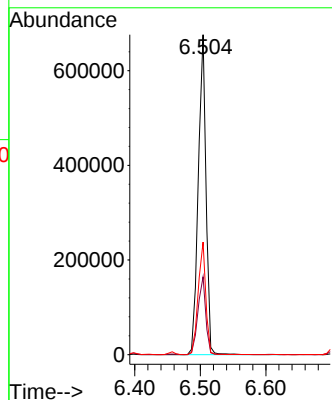
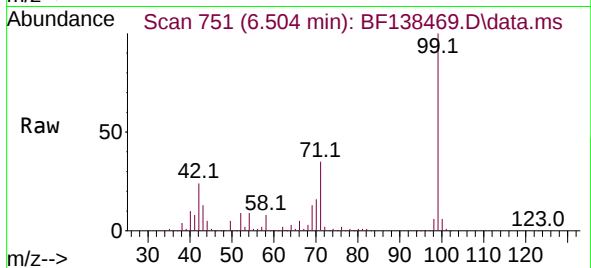
ClientSampleId :

B-140-SB00

Tgt Ion: 99 Resp: 555669
Ion Ratio Lower Upper
99 100
42 24.3 18.5 27.7
71 35.2 26.1 39.1

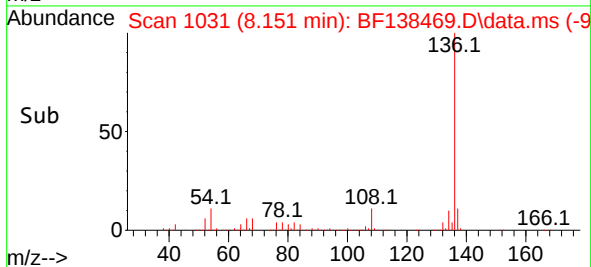
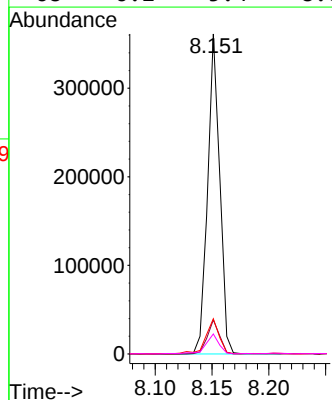
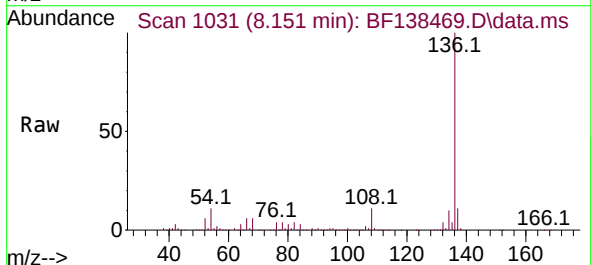
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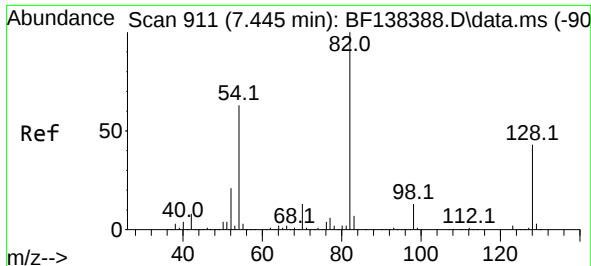
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:136 Resp: 267059
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 11.0 9.0 13.4
68 6.2 5.4 8.0





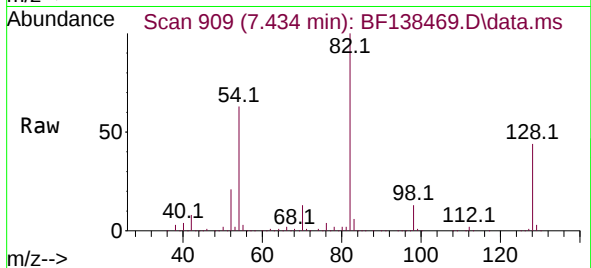
#23
Nitrobenzene-d5
Concen: 68.808 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

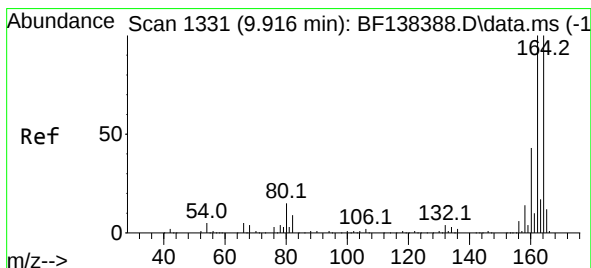
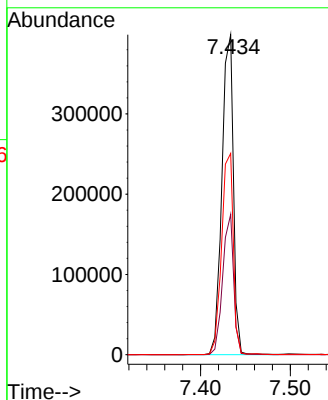
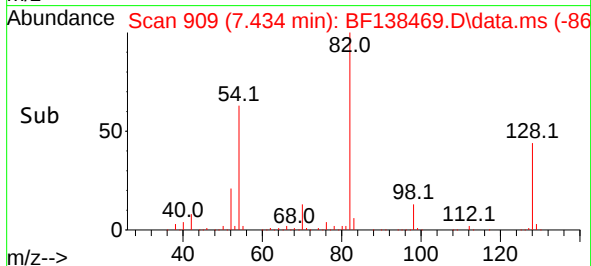


Tgt Ion: 82 Resp: 353734
Ion Ratio Lower Upper
82 100
128 43.8 34.6 52.0
54 62.9 50.5 75.7

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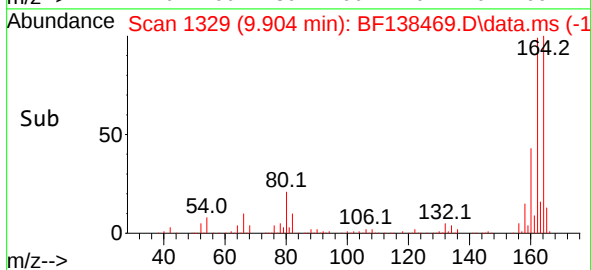
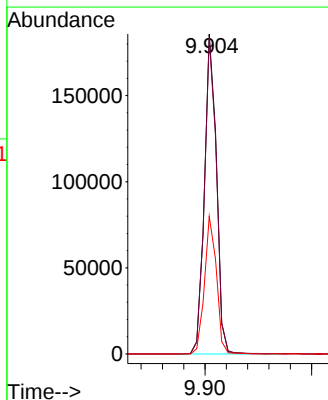
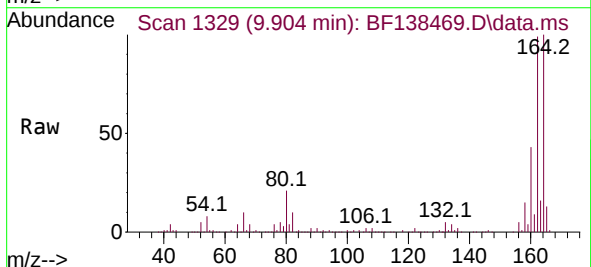
APPROVED

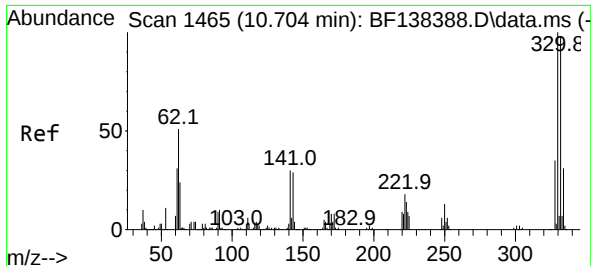
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:164 Resp: 145782
Ion Ratio Lower Upper
164 100
162 98.7 80.1 120.1
160 43.0 34.1 51.1





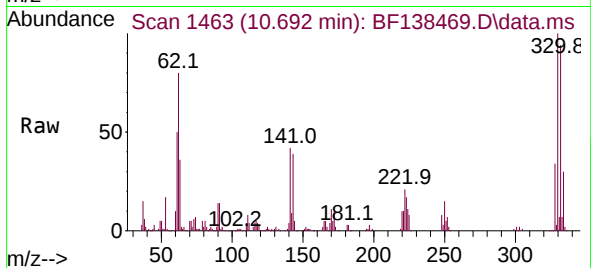
#42
2,4,6-Tribromophenol
Concen: 103.061 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00



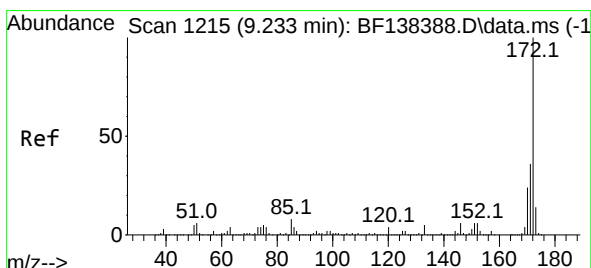
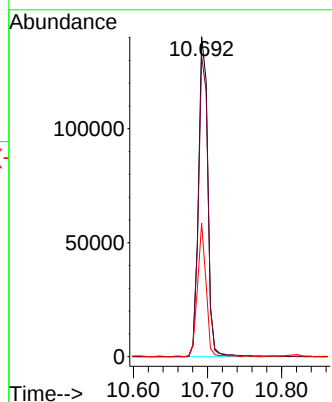
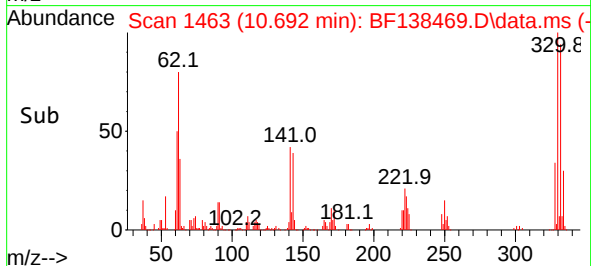
Tgt Ion:330 Resp: 122752
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 38.3 28.1 42.1

Manual Integrations

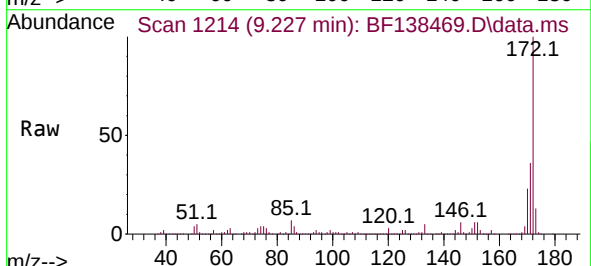
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

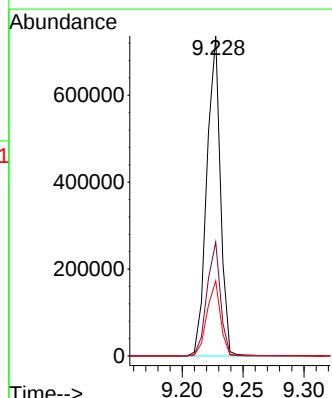
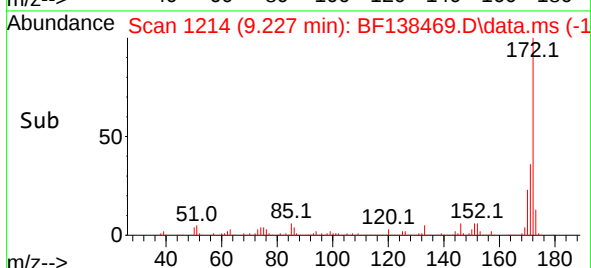
Supervised By :mohammad ahmed 07/08/2024

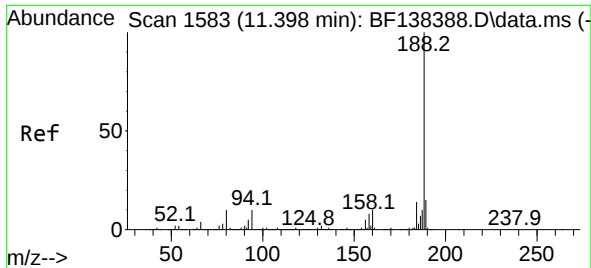


#45
2-Fluorobiphenyl
Concen: 62.463 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32



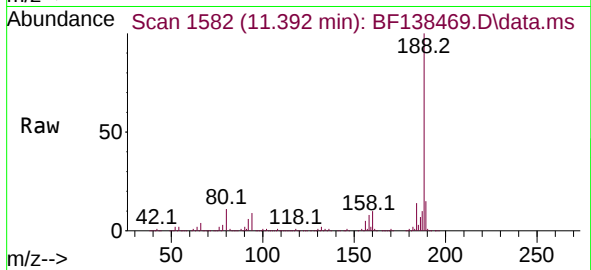
Tgt Ion:172 Resp: 572178
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.4
170 23.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

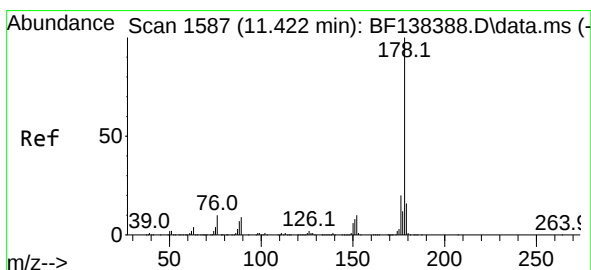
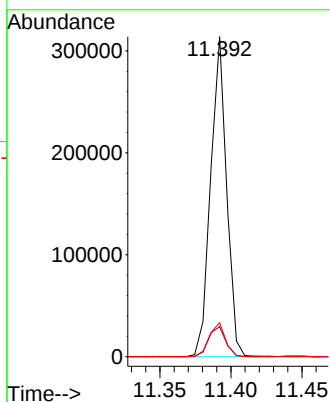
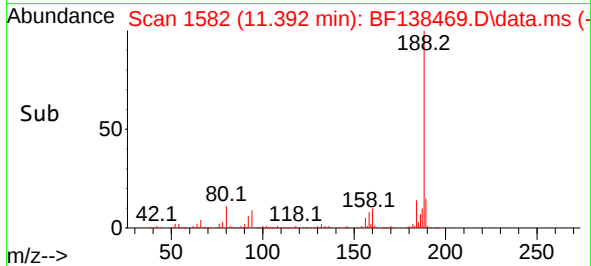
Instrument :
BNA_F
ClientSampleId :
B-140-SB00



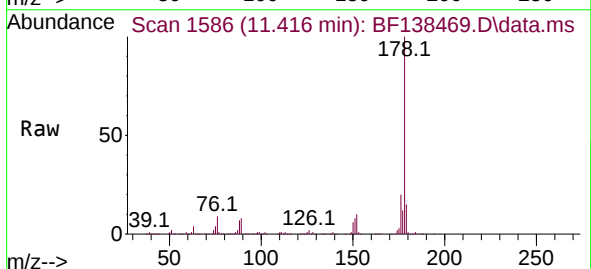
Tgt Ion:188 Resp: 246249
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.6 8.2 12.4

Manual Integrations
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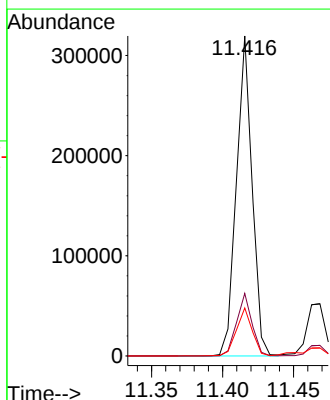
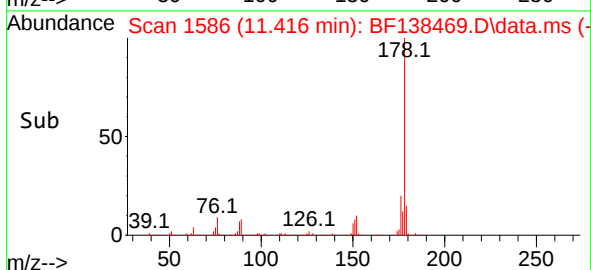
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024

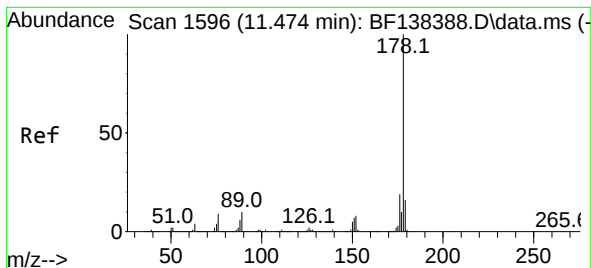


#71
Phenanthrene
Concen: 20.461 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32



Tgt Ion:178 Resp: 245998
Ion Ratio Lower Upper
178 100
176 19.5 16.1 24.1
179 15.0 12.6 18.8





#72

Anthracene

Concen: 3.852 ng

RT: 11.469 min Scan# 1595

Delta R.T. -0.005 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

Tgt Ion:178 Resp: 4618

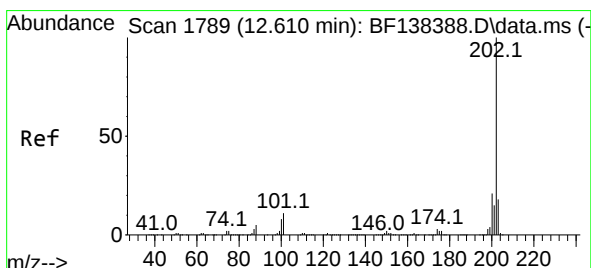
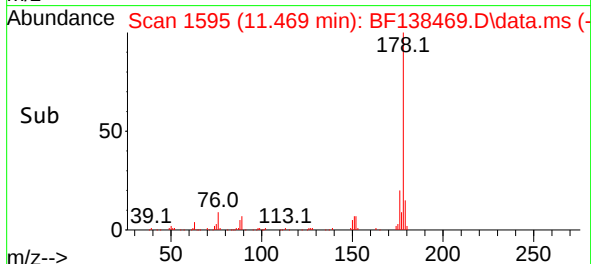
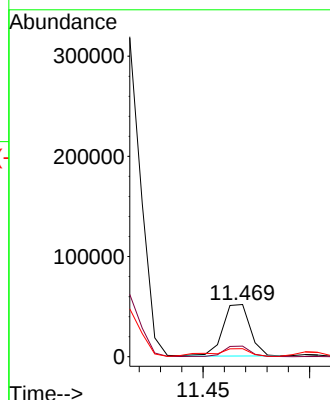
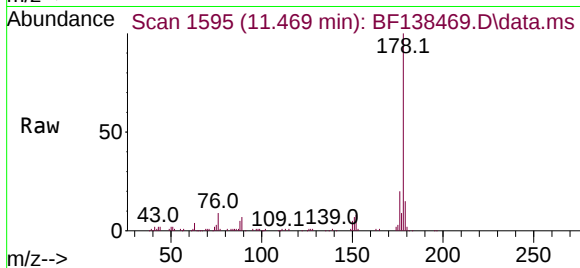
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.0	22.6
179	15.2	12.7	19.1

Manual Integrations

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Supervised By :mohammad ahmed 07/08/2024



#75

Fluoranthene

Concen: 28.358 ng

RT: 12.604 min Scan# 1788

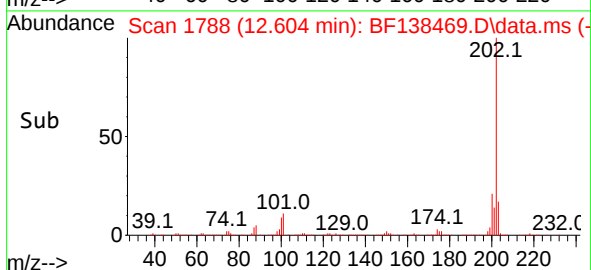
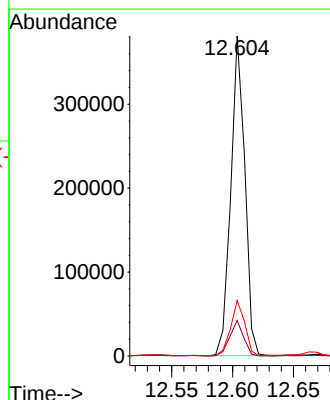
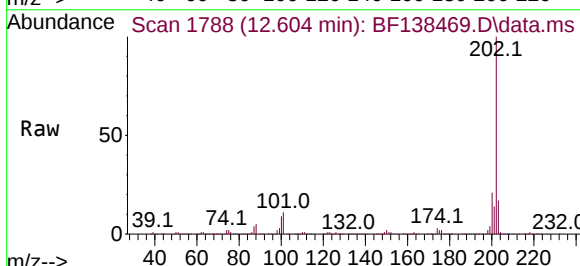
Delta R.T. -0.006 min

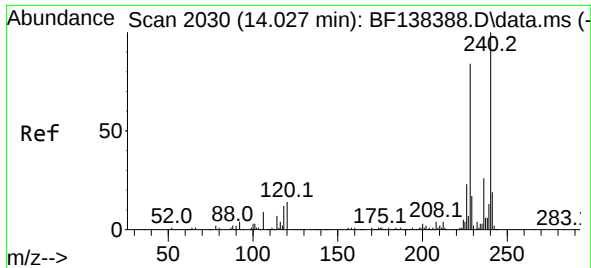
Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Tgt Ion:202 Resp: 305658

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.5
203	17.3	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: BF138469.D
Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

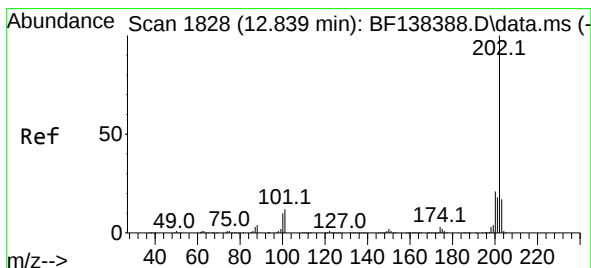
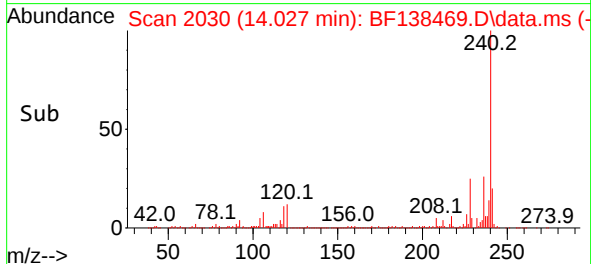
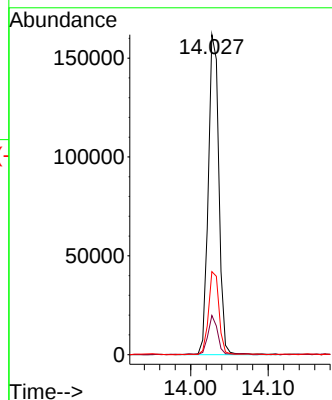
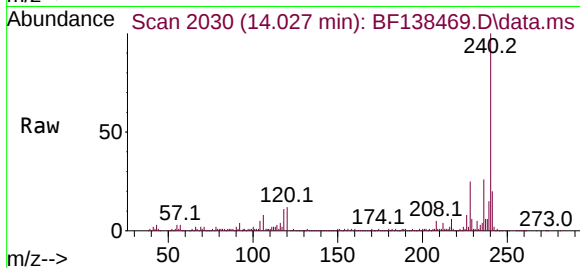
Tgt Ion:240 Resp: 15357
Ion Ratio Lower Upper
240 100
120 12.2 10.9 16.3
236 25.9 20.6 30.8

Manual Integrations

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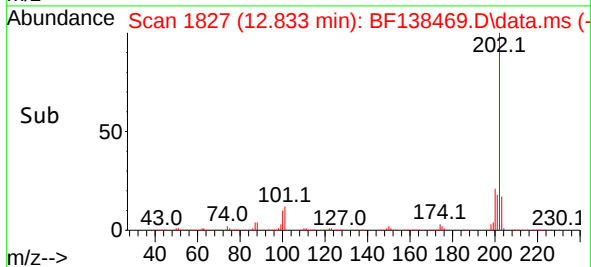
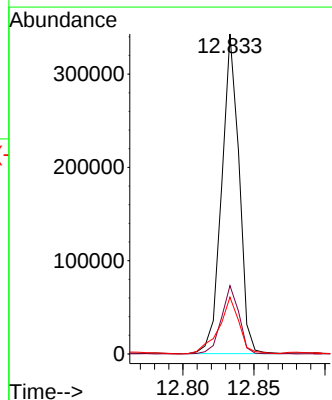
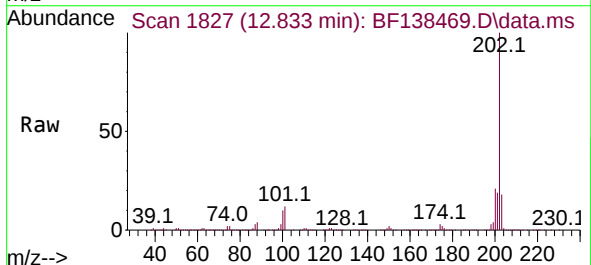
Reviewed By :Yogesh Patel 07/08/2024

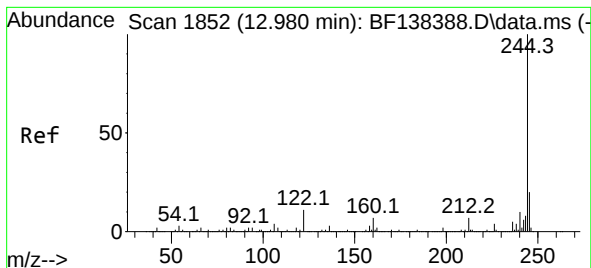
Supervised By :mohammad ahmed 07/08/2024



#78
Pyrene
Concen: 17.678 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:202 Resp: 290156
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 17.8 13.8 20.8





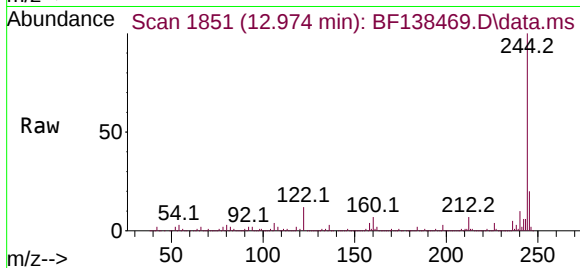
#79
 Terphenyl-d14
 Concen: 43.885 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138469.D
 Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

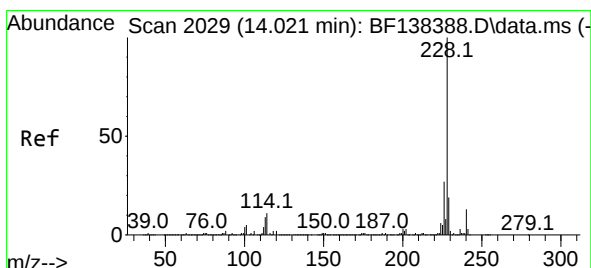
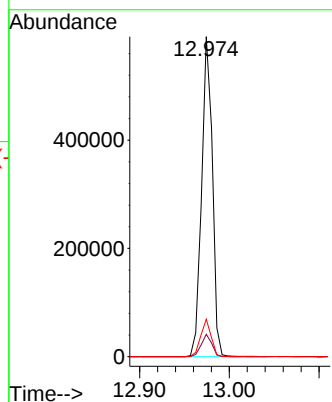
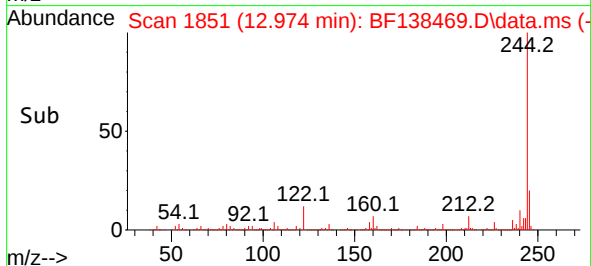


Tgt Ion:244 Resp: 491788
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.7 9.0 13.4

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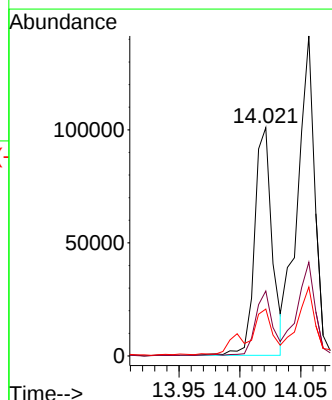
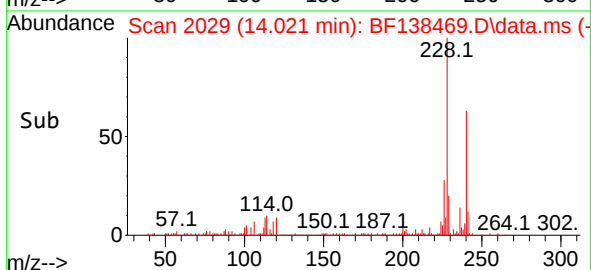
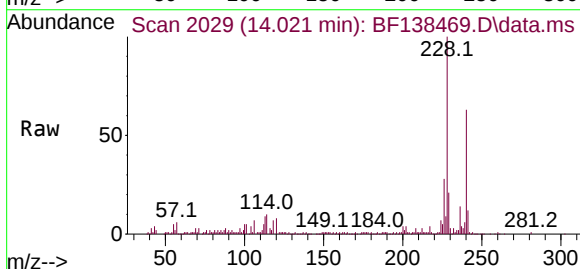
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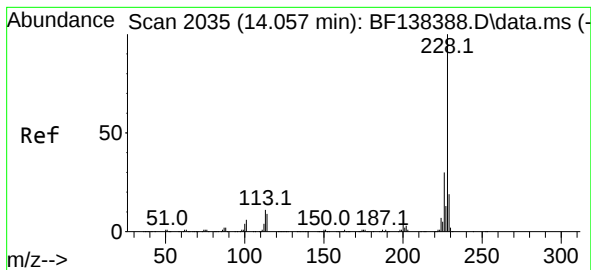
Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024



#81
 Benzo(a)anthracene
 Concen: 10.184 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: BF138469.D
 Acq: 05 Jul 2024 15:32

Tgt Ion:228 Resp: 100670
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.7 32.5
 229 20.6 15.5 23.3





#83

Chrysene

Concen: 14.629 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

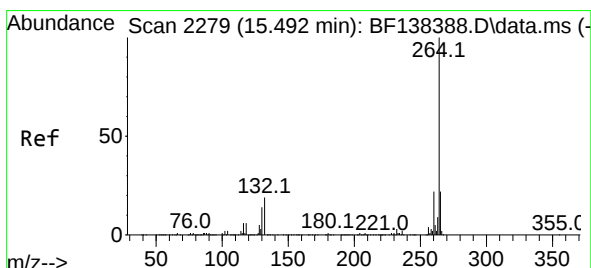
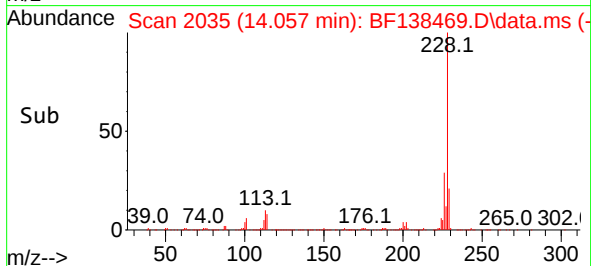
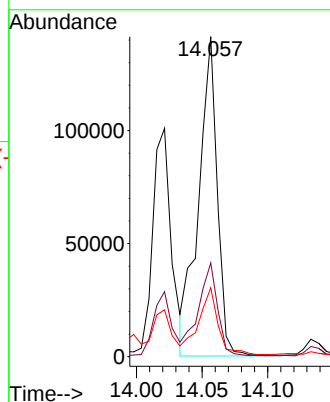
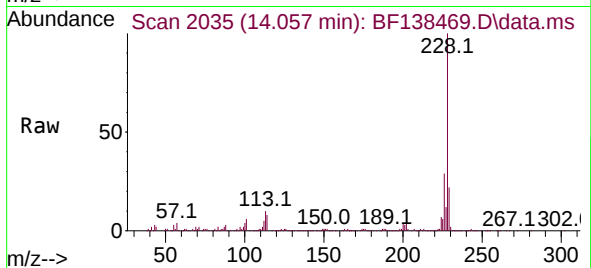
Tgt Ion:228	Resp: 14070
Ion Ratio	Lower Upper
228 100	
226 29.3	23.8 35.6
229 21.6	15.2 22.8

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#86

Perylene-d12

Concen: 20.000 ng

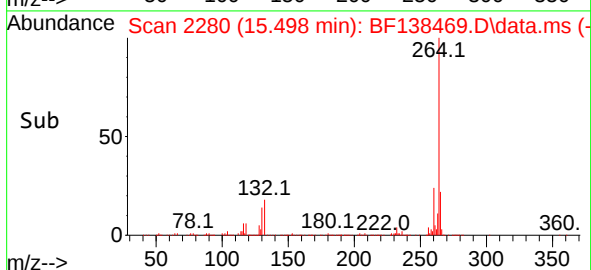
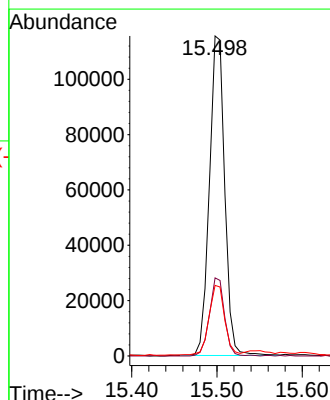
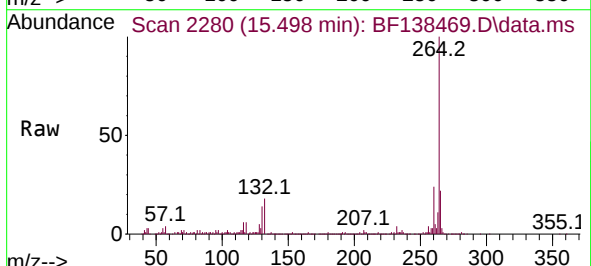
RT: 15.498 min Scan# 2280

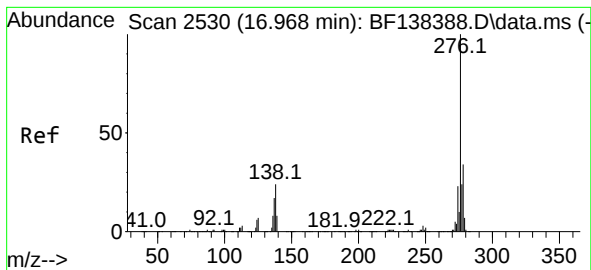
Delta R.T. 0.006 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Tgt Ion:264	Resp: 144134
Ion Ratio	Lower Upper
264 100	
260 24.4	17.8 26.6
265 22.0	17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.207 ng
RT: 16.968 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

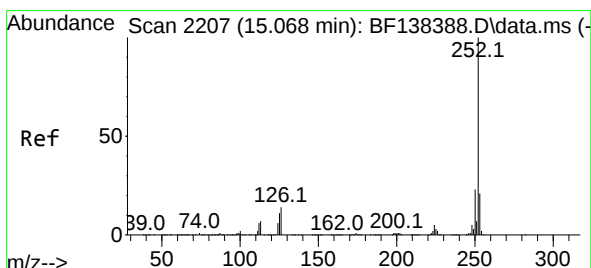
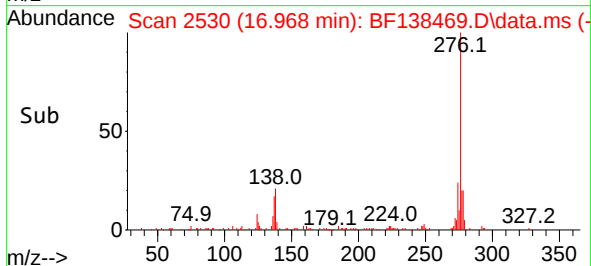
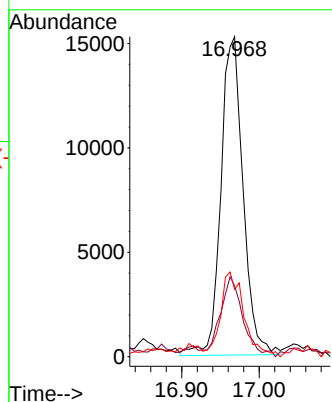
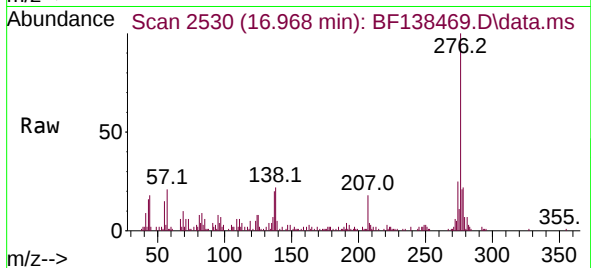
ClientSampleId :

B-140-SB00

Tgt Ion:276 Resp: 3046
Ion Ratio Lower Upper
276 100
138 25.1 22.1 33.1
277 27.9 20.4 30.6

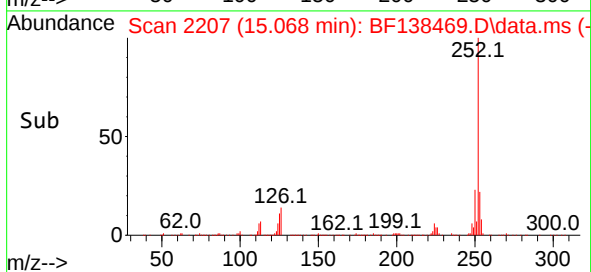
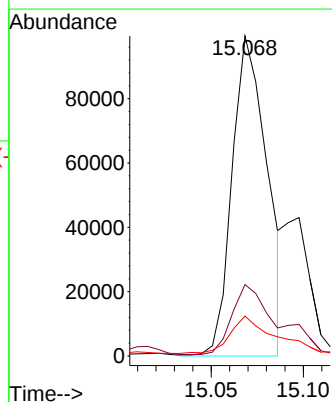
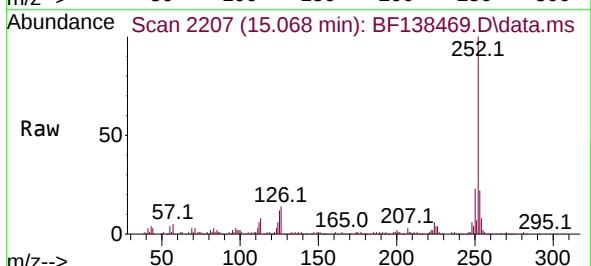
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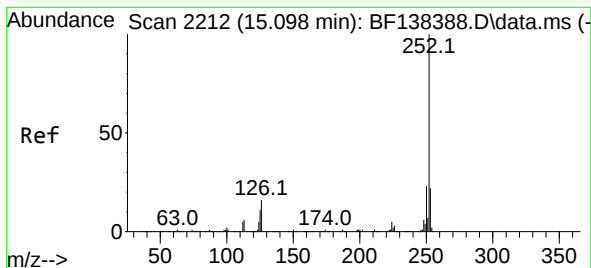
Reviewed By :Yogesh Patel 07/08/2024
Supervised By :mohammad ahmed 07/08/2024



#88
Benzo(b)fluoranthene
Concen: 16.675 ng m
RT: 15.068 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BF138469.D
Acq: 05 Jul 2024 15:32

Tgt Ion:252 Resp: 131869
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 12.4 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 5.923 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

Instrument :

BNA_F

ClientSampleId :

B-140-SB00

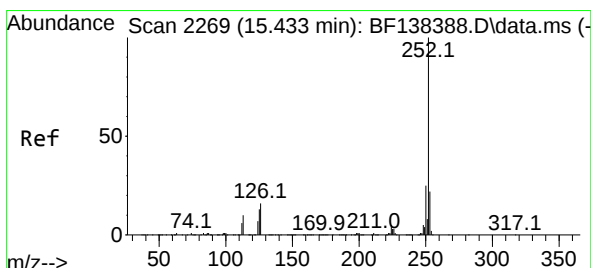
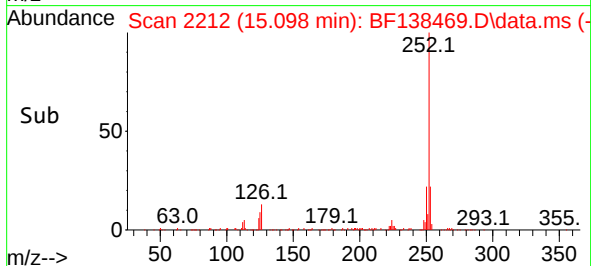
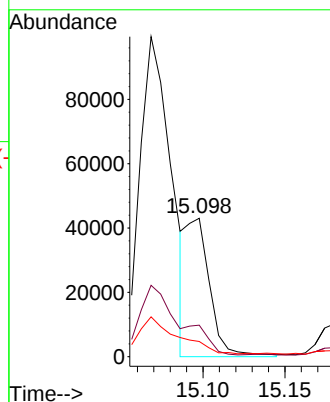
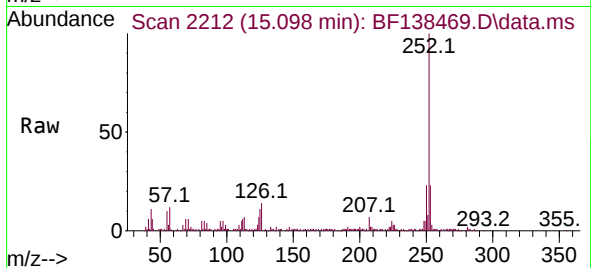
Tgt Ion:252 Resp: 4314
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 11.0 8.7 13.1

Manual Integrations

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Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#90

Benzo(a)pyrene

Concen: 8.844 ng

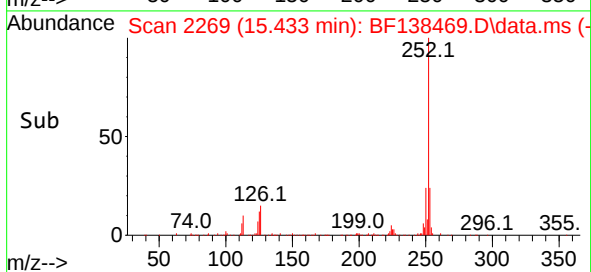
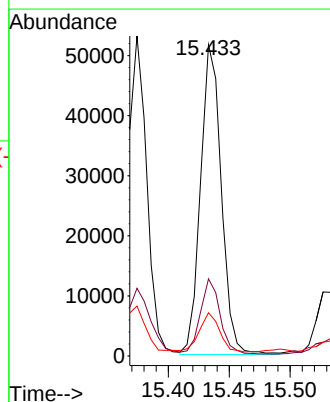
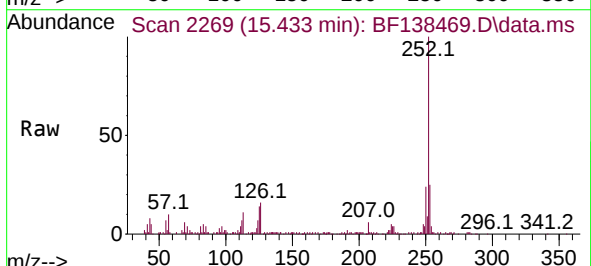
RT: 15.433 min Scan# 2269

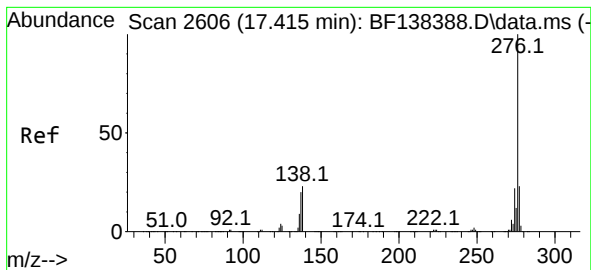
Delta R.T. -0.000 min

Lab File: BF138469.D

Acq: 05 Jul 2024 15:32

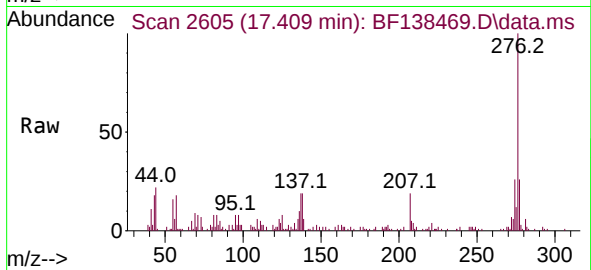
Tgt Ion:252 Resp: 61300
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 13.9 10.2 15.2





#92
 Benzo(g,h,i)perylene
 Concen: 5.214 ng
 RT: 17.409 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF138469.D
 Acq: 05 Jul 2024 15:32

Instrument :
 BNA_F
 ClientSampleId :
 B-140-SB00



Tgt Ion:276	Resp:	2981
Ion Ratio	Lower	Upper
276	100	
277	25.8	18.3 27.5
138	19.1	18.3 27.5

Manual Integrations
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Reviewed By :Yogesh Patel 07/08/2024
 Supervised By :mohammad ahmed 07/08/2024

