

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138409.D
 Acq On : 01 Jul 2024 18:06
 Operator : CG\JU
 Sample : P3076-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-B-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024

Quant Time: Jul 01 18:38:04 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	6.875	152	198390	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	764564	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	357846	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	458720	20.000	ng	0.00
76) Chrysene-d12	14.027	240	354982	20.000	ng	0.00
86) Perylene-d12	15.492	264	298699	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	956898	79.968	ng	0.00
7) Phenol-d6	6.510	99	1262328	78.311	ng	0.00
23) Nitrobenzene-d5	7.434	82	795028	54.018	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	196341	67.156	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1160364	51.605	ng	0.00
79) Terphenyl-d14	12.974	244	827445	31.944	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	420553	18.777	ng	98
72) Anthracene	11.463	178	117784	5.273	ng	98
75) Fluoranthene	12.604	202	525548	26.174	ng	99
78) Pyrene	12.833	202	454150	11.970	ng	99
81) Benzo(a)anthracene	14.015	228	234004	10.242	ng	97
83) Chrysene	14.051	228	193683	8.712	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	57535	3.834	ng	99
88) Benzo(b)fluoranthene	15.062	252	188696m	11.514	ng	
89) Benzo(k)fluoranthene	15.092	252	68687m	4.550	ng	
90) Benzo(a)pyrene	15.427	252	127907	8.904	ng	# 95
92) Benzo(g,h,i)perylene	17.398	276	55288	4.665	ng	# 91

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

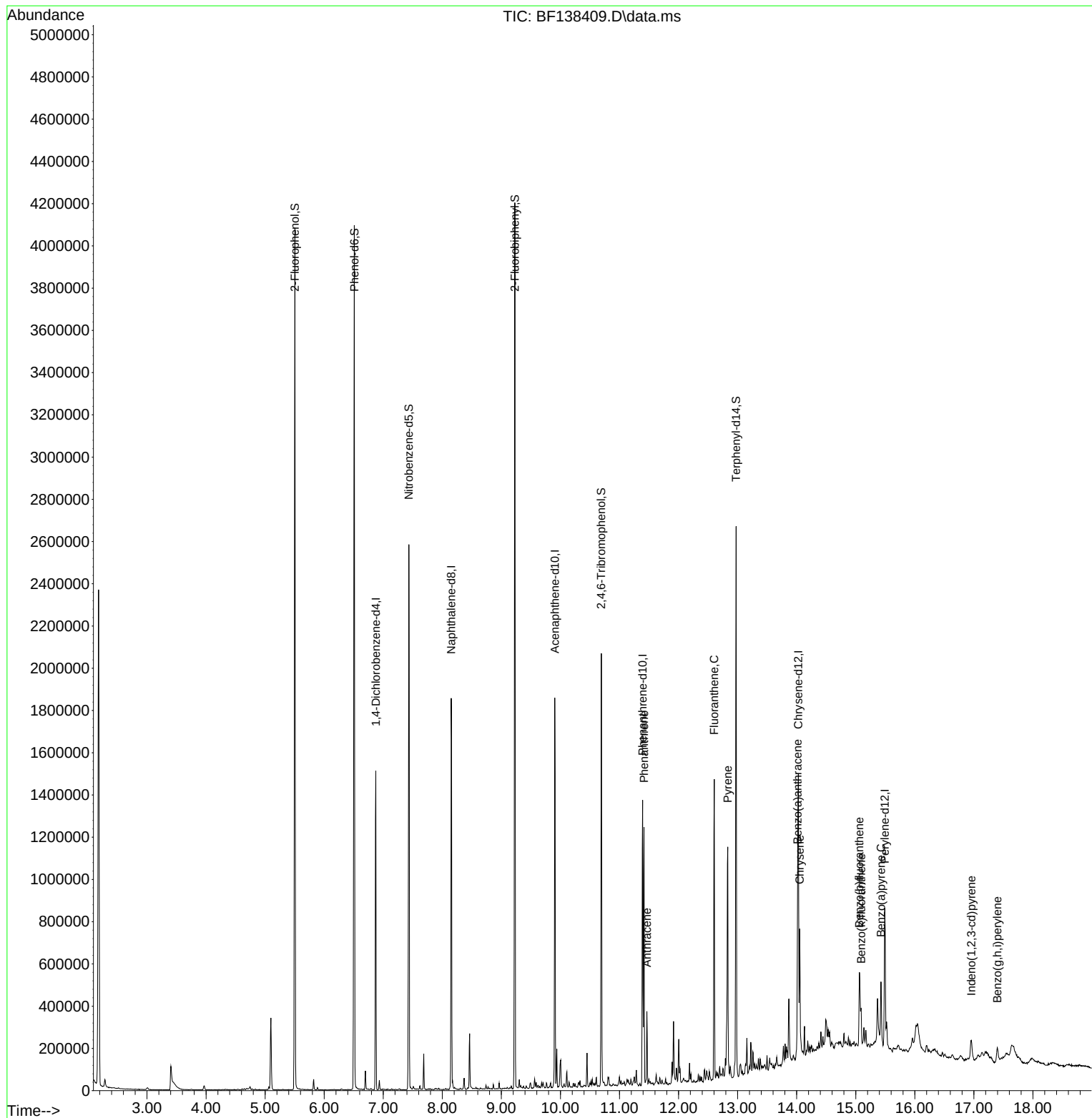
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
Data File : BF138409.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

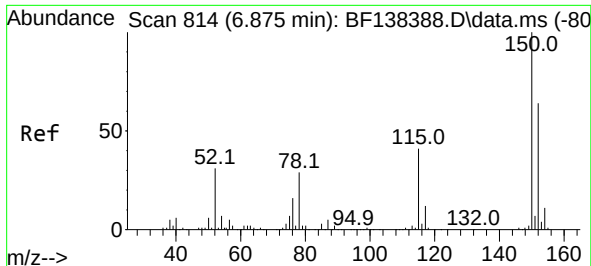
Instrument :
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7-B-1

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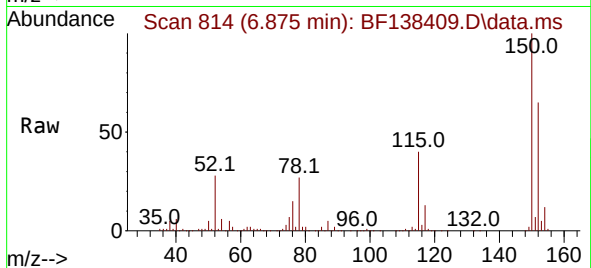
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

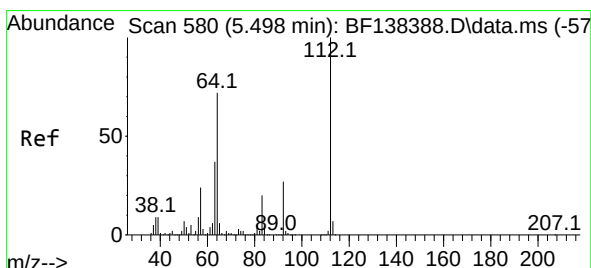
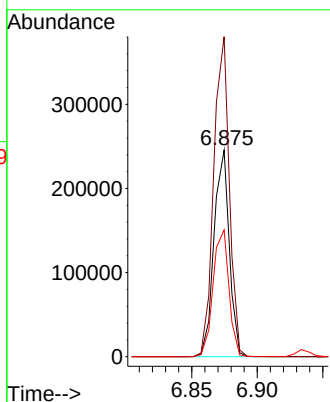
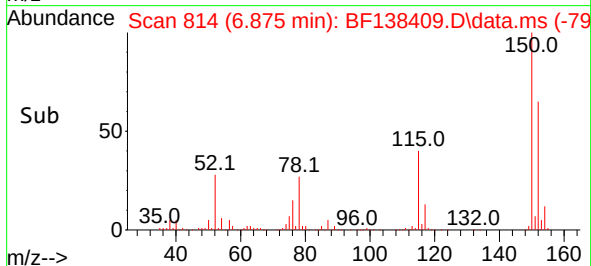
Instrument :
BNA_F
ClientSampleId :
7-B-1



Tgt Ion:152 Resp: 198390
Ion Ratio Lower Upper
152 100
150 154.9 124.9 187.3
115 61.3 50.8 76.2

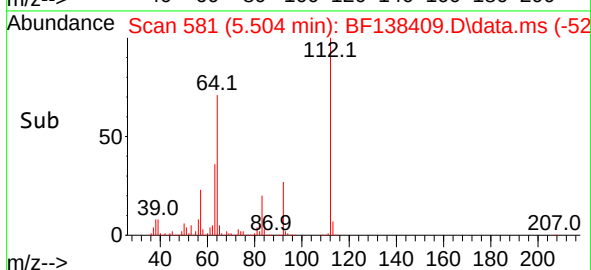
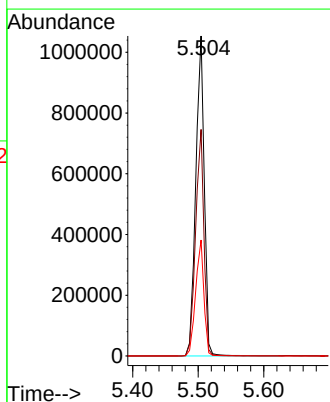
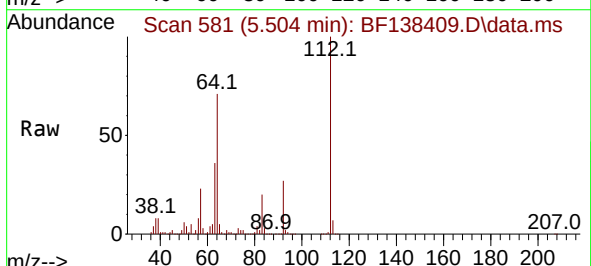
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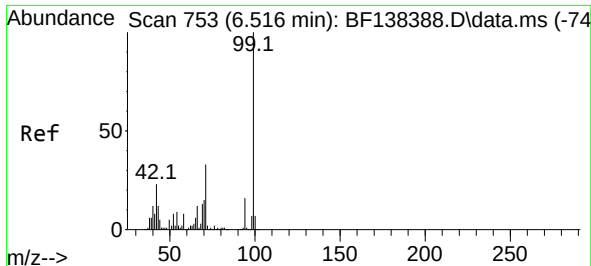
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#5
2-Fluorophenol
Concen: 79.968 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

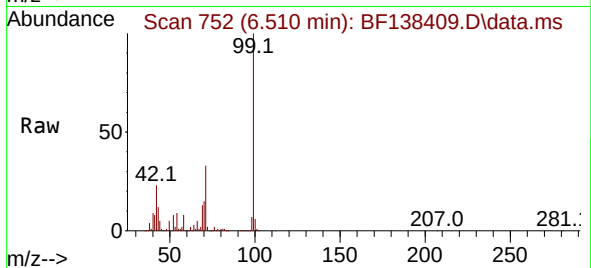
Tgt Ion:112 Resp: 956898
Ion Ratio Lower Upper
112 100
64 70.8 57.2 85.8
63 36.3 29.4 44.0





#7
Phenol-d6
Concen: 78.311 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

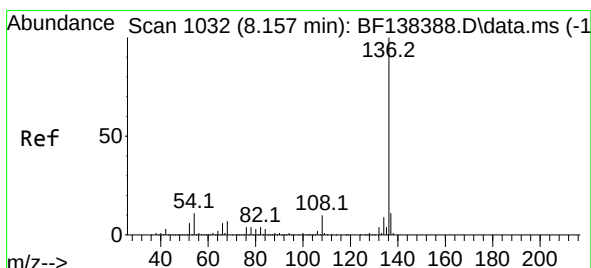
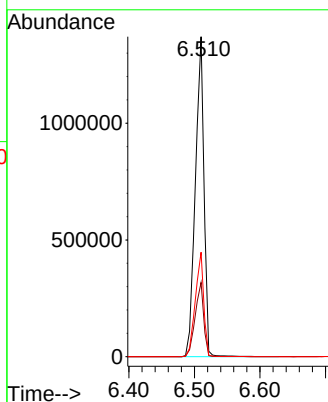
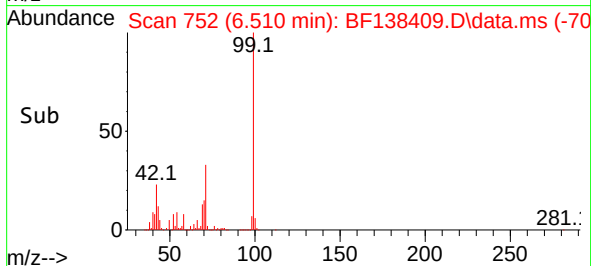
Instrument :
BNA_F
ClientSampleId :
7-B-1



Tgt Ion: 99 Resp: 1262328
Ion Ratio Lower Upper
99 100
42 23.2 18.5 27.7
71 32.7 26.1 39.1

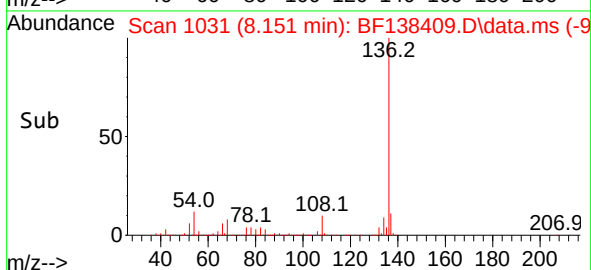
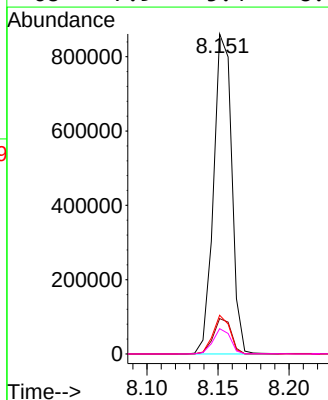
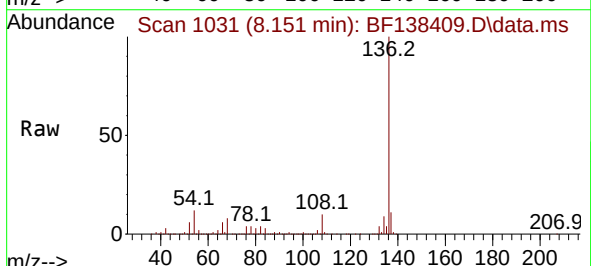
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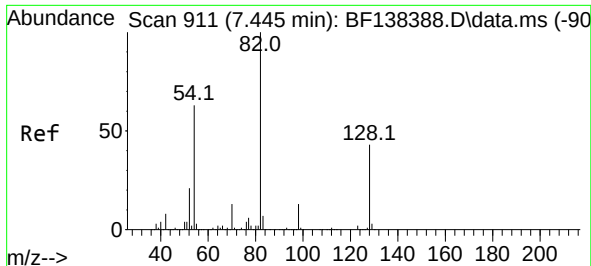
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

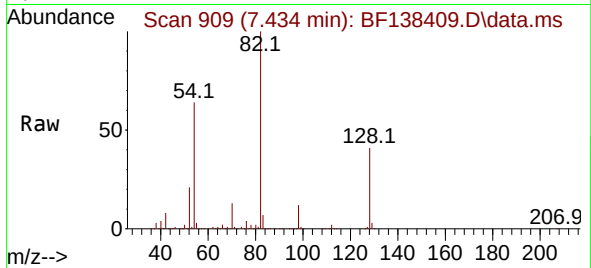
Tgt Ion:136 Resp: 764564
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 12.1 9.0 13.4
68 7.9 5.4 8.0





#23
Nitrobenzene-d5
Concen: 54.018 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

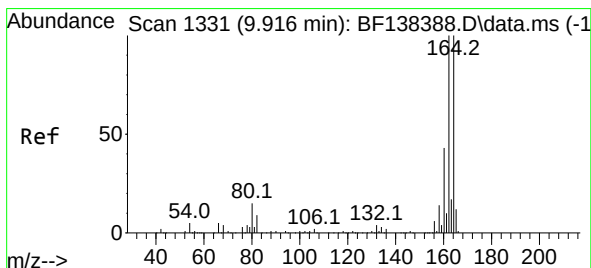
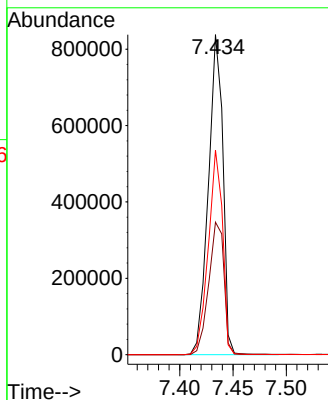
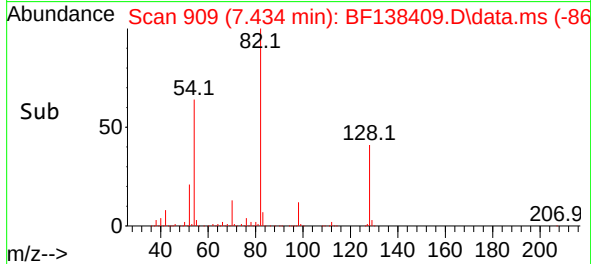
Instrument :
BNA_F
ClientSampleId :
7-B-1



Tgt Ion: 82 Resp: 795028
Ion Ratio Lower Upper
82 100
128 41.4 34.6 52.0
54 64.0 50.5 75.7

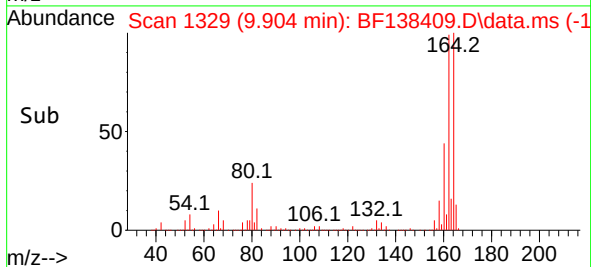
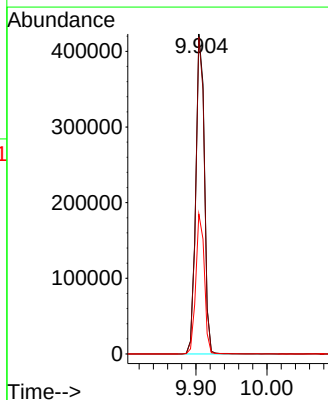
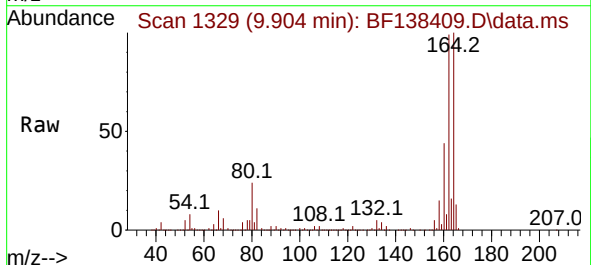
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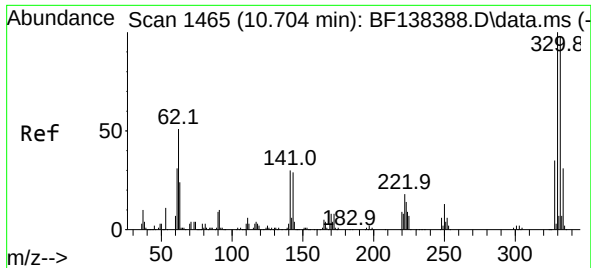
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:164 Resp: 357846
Ion Ratio Lower Upper
164 100
162 99.1 80.1 120.1
160 43.8 34.1 51.1





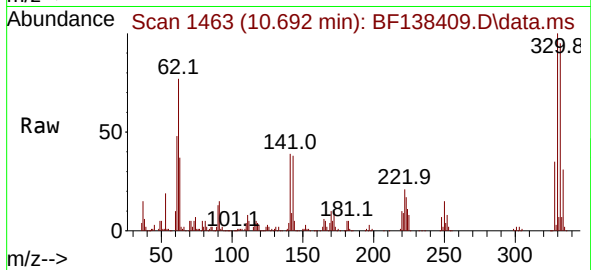
#42
 2,4,6-Tribromophenol
 Concen: 67.156 ng
 RT: 10.692 min Scan# 1463
 Delta R.T. -0.012 min
 Lab File: BF138409.D
 Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

7-B-1

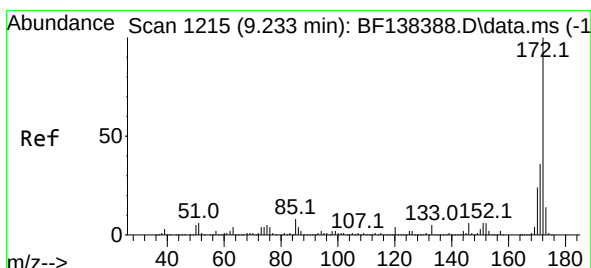
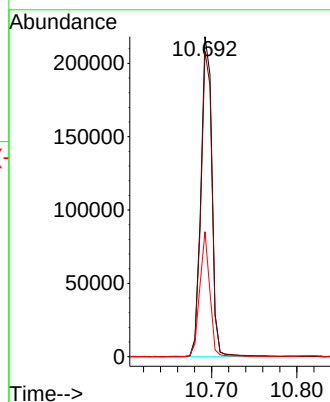
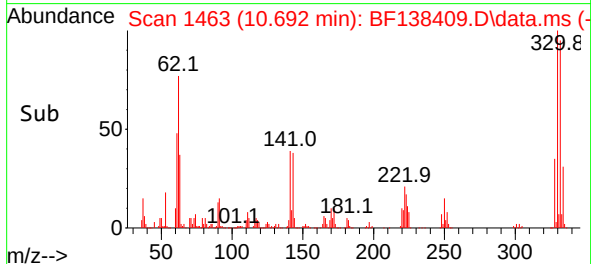


Tgt Ion:330 Resp: 19634
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 35.7 28.1 42.1

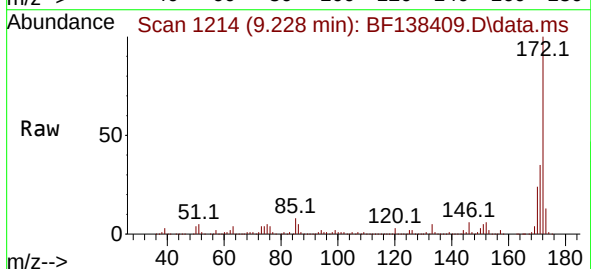
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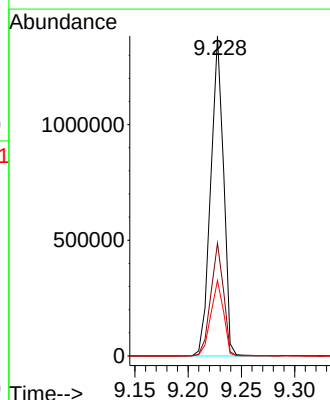
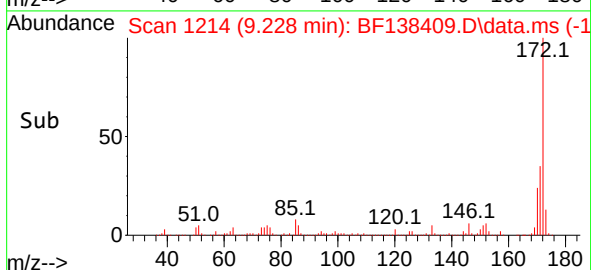
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 Supervised By :mohammad ahmed 07/03/2024

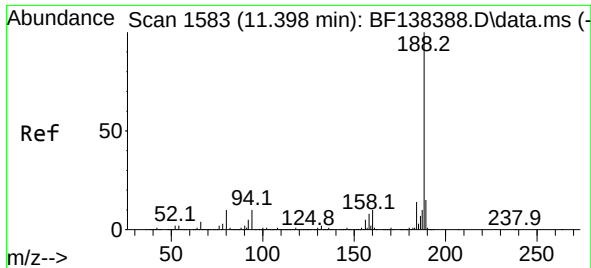


#45
 2-Fluorobiphenyl
 Concen: 51.605 ng
 RT: 9.228 min Scan# 1214
 Delta R.T. -0.005 min
 Lab File: BF138409.D
 Acq: 01 Jul 2024 18:06



Tgt Ion:172 Resp: 1160364
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.0 43.4
 170 23.6 19.0 28.6





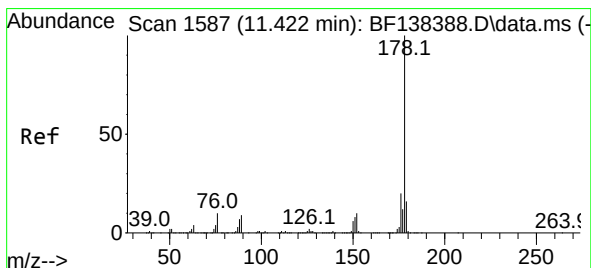
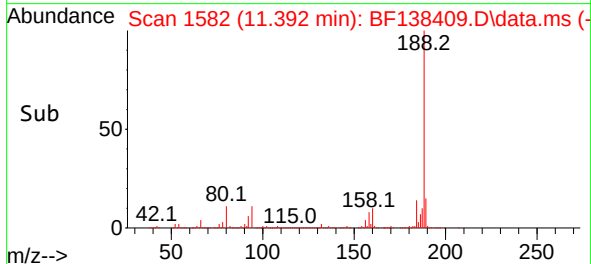
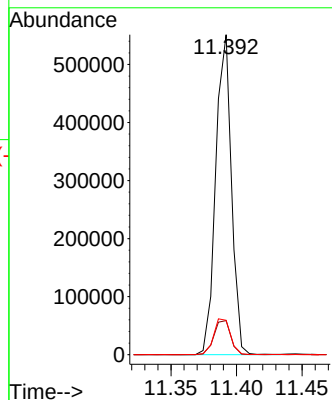
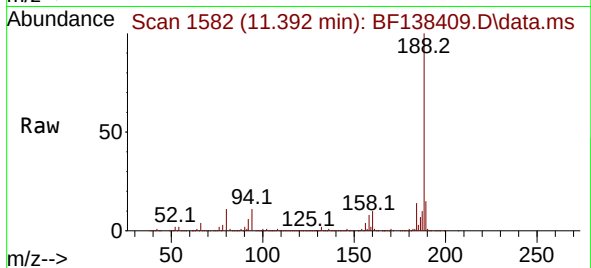
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Instrument :
BNA_F
ClientSampleId :
7-B-1

Tgt Ion:188 Resp: 458720
Ion Ratio Lower Upper
188 100
94 10.6 8.0 12.0
80 10.7 8.2 12.4

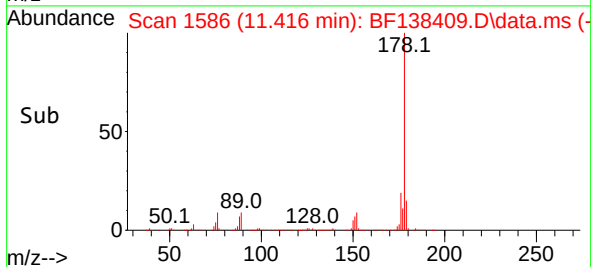
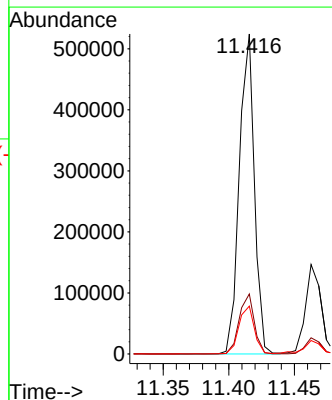
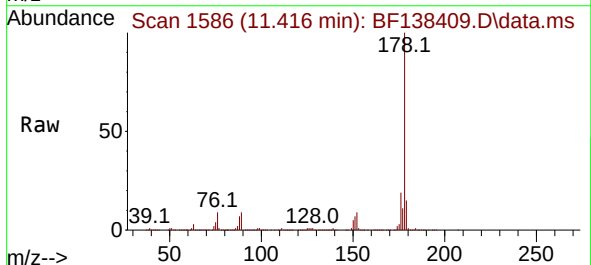
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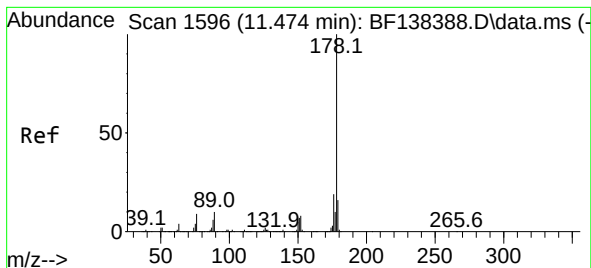
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#71
Phenanthrene
Concen: 18.777 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

Tgt Ion:178 Resp: 420553
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 14.9 12.6 18.8





#72

Anthracene

Concen: 5.273 ng

RT: 11.463 min Scan# 11778

Delta R.T. -0.011 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

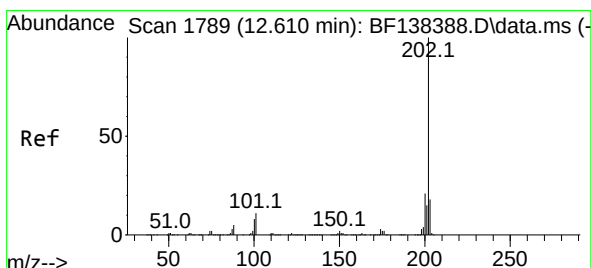
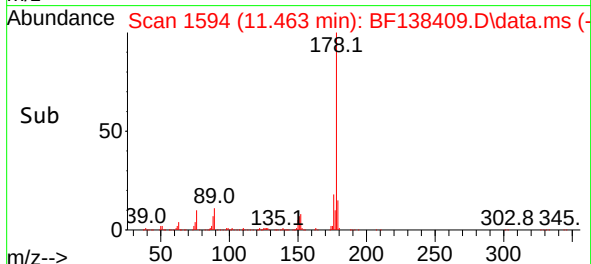
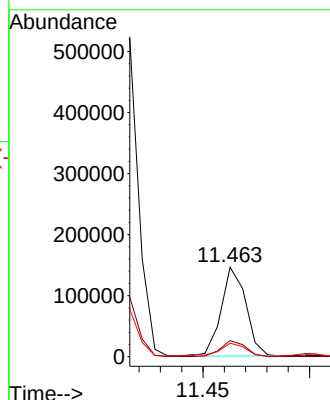
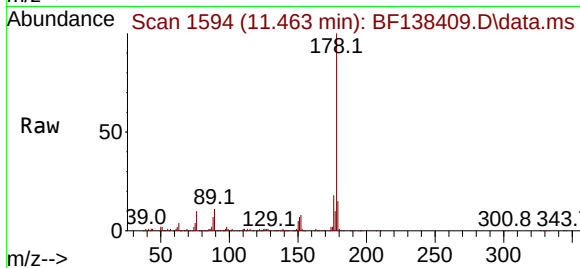
7-B-1

Tgt Ion:178	Resp: 11778
Ion Ratio	Lower Upper
178 100	
176 18.1	15.0 22.6
179 15.0	12.7 19.1

Manual Integrations

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#75

Fluoranthene

Concen: 26.174 ng

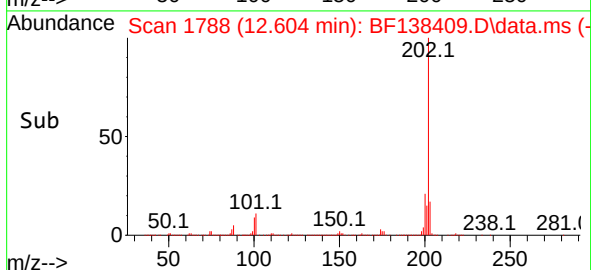
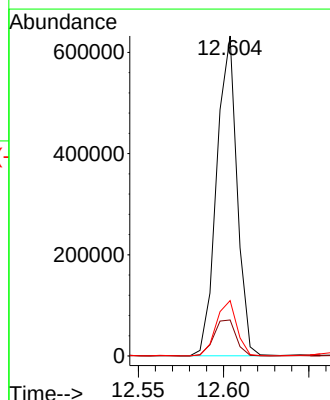
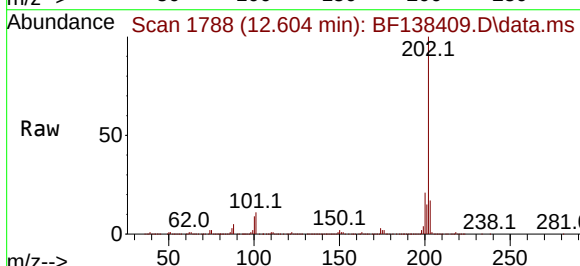
RT: 12.604 min Scan# 1788

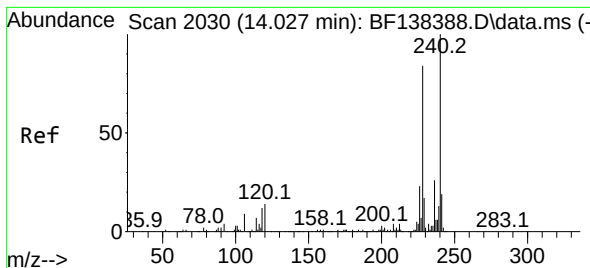
Delta R.T. -0.006 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Tgt Ion:202	Resp: 525548
Ion Ratio	Lower Upper
202 100	
101 11.2	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: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

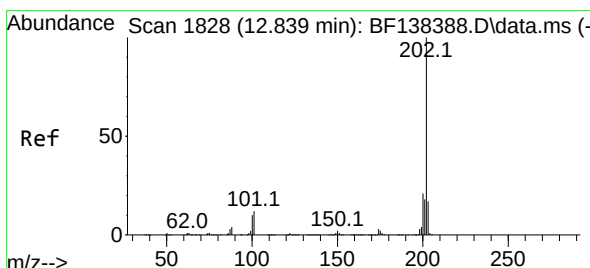
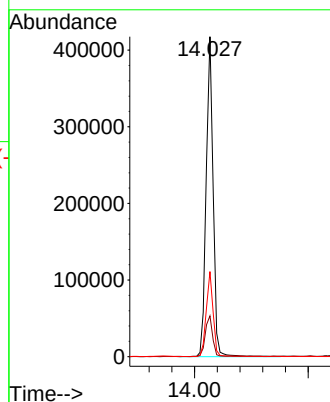
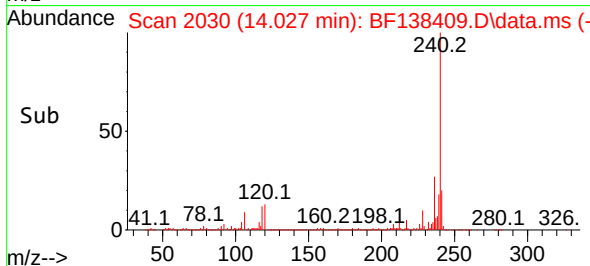
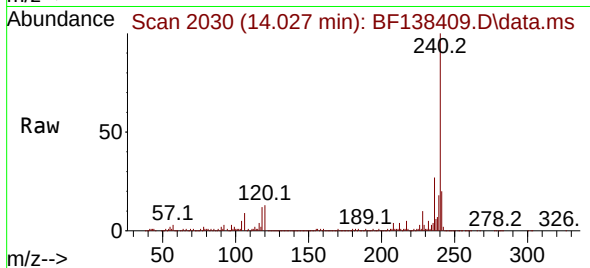
7-B-1

Tgt Ion:	240	Resp:	35498
Ion Ratio	Lower	Upper	
240	100		
120	12.7	10.9	16.3
236	26.6	20.6	30.8

Manual Integrations

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#78

Pyrene

Concen: 11.970 ng

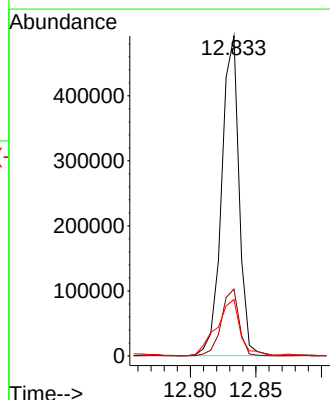
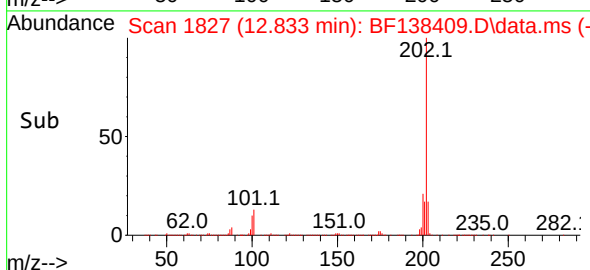
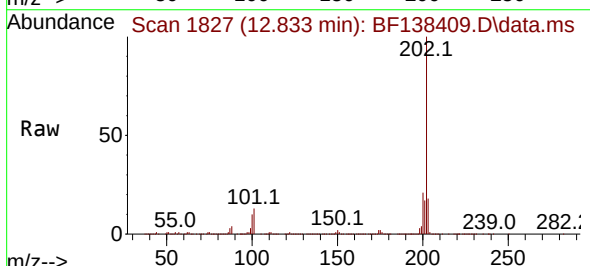
RT: 12.833 min Scan# 1827

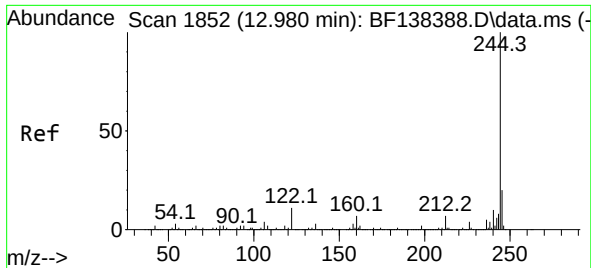
Delta R.T. -0.006 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

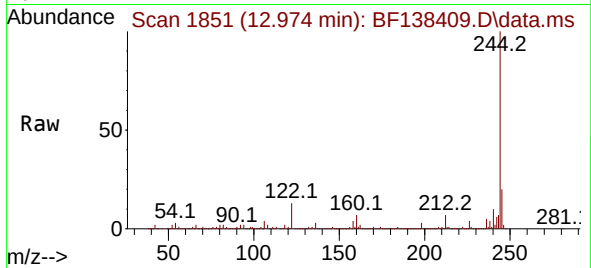
Tgt Ion:	202	Resp:	454150
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.9	25.3
203	17.7	13.8	20.8





#79
 Terphenyl-d14
 Concen: 31.944 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138409.D
 Acq: 01 Jul 2024 18:06

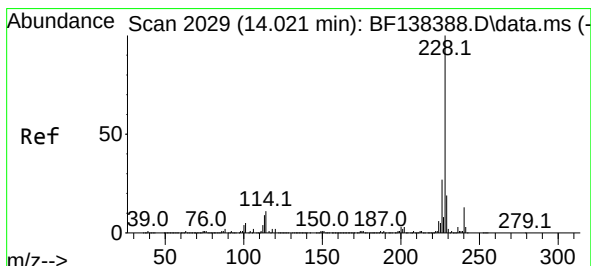
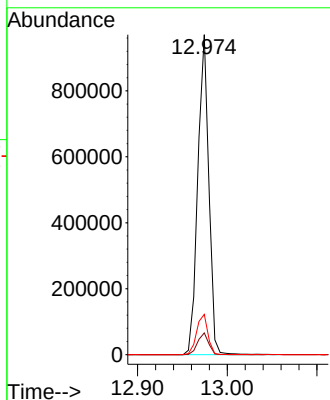
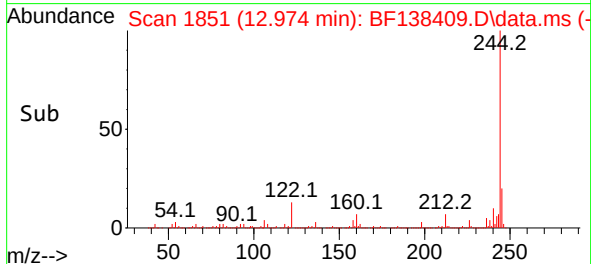
Instrument :
 BNA_F
 ClientSampleId :
 7-B-1



Tgt Ion:244 Resp: 827445
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 12.6 9.0 13.4

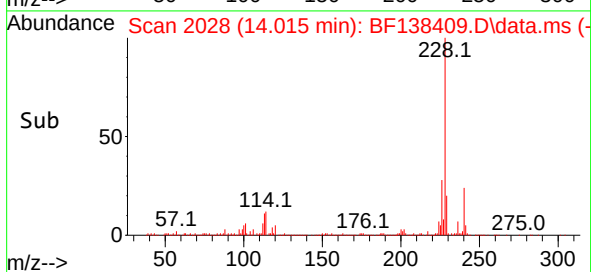
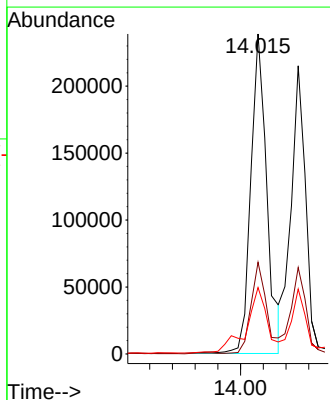
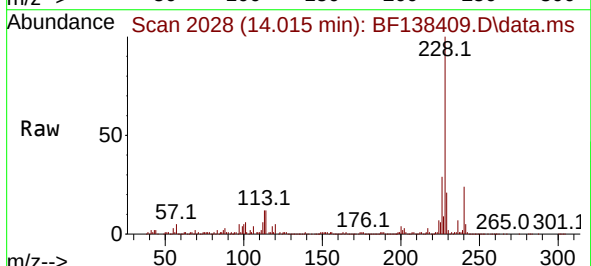
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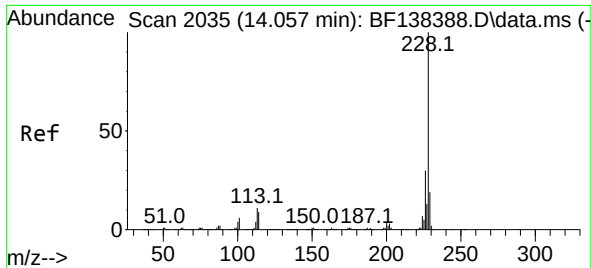
Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024



#81
 Benzo(a)anthracene
 Concen: 10.242 ng
 RT: 14.015 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF138409.D
 Acq: 01 Jul 2024 18:06

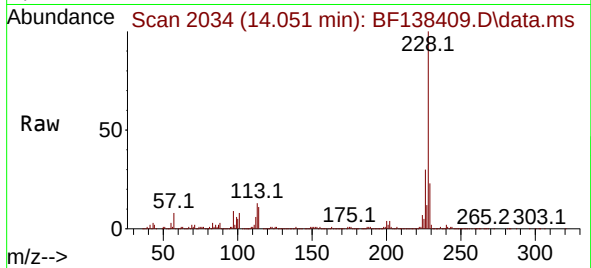
Tgt Ion:228 Resp: 234004
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.7 32.5
 229 20.8 15.5 23.3





#83
Chrysene
Concen: 8.712 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

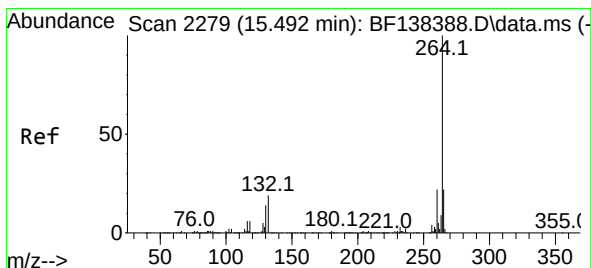
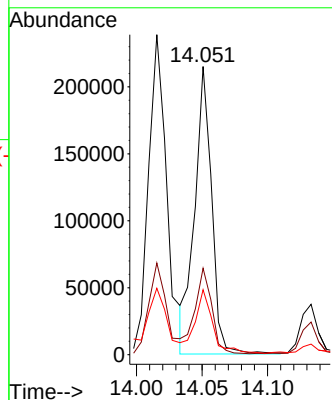
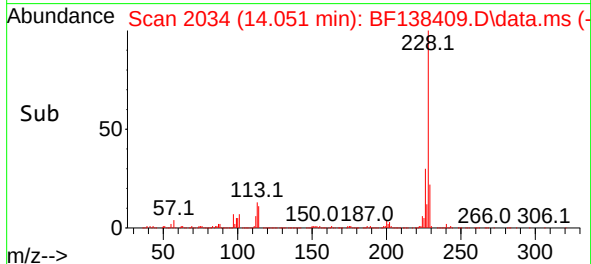
Instrument :
BNA_F
ClientSampleId :
7-B-1



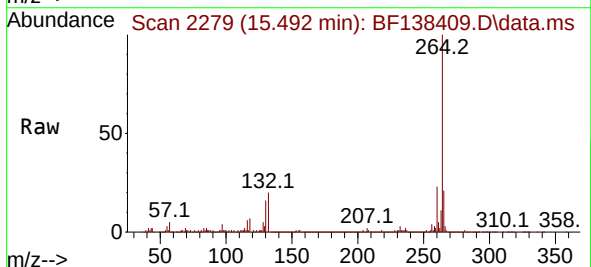
Tgt Ion:228 Resp: 19368
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 22.5 15.2 22.8

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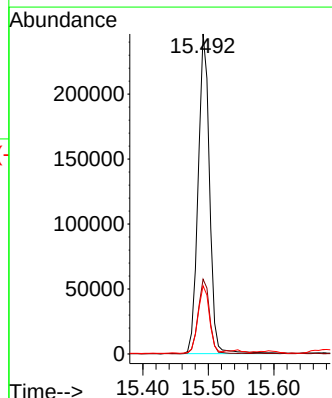
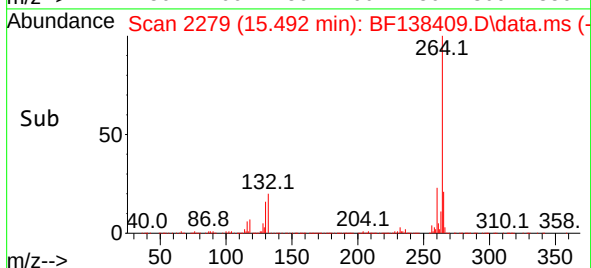
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024

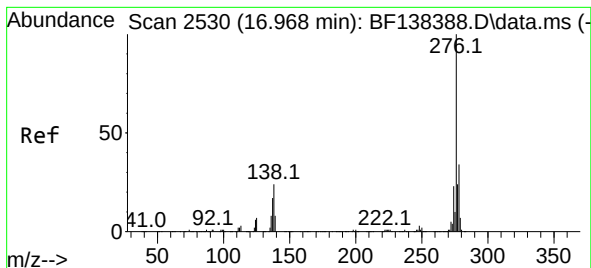


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06



Tgt Ion:264 Resp: 298699
Ion Ratio Lower Upper
264 100
260 23.4 17.8 26.6
265 21.3 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.834 ng

RT: 16.956 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

Instrument :

BNA_F

ClientSampleId :

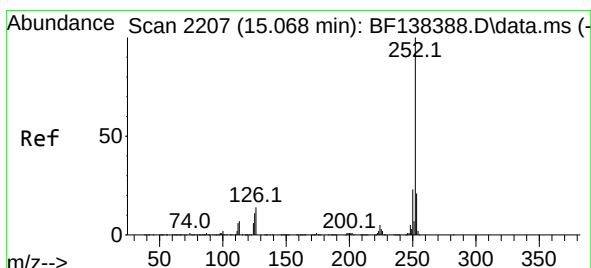
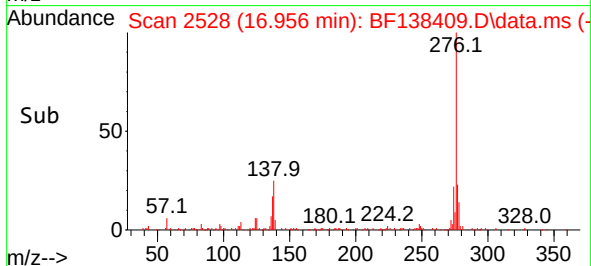
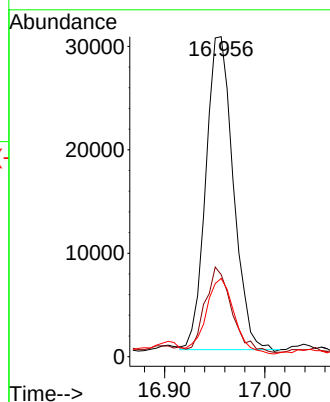
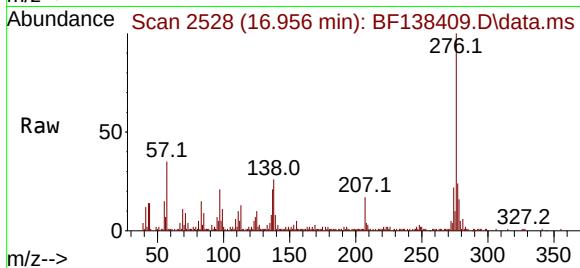
7-B-1

Tgt Ion:	276	Resp:	5753
Ion Ratio	Lower	Upper	
276	100		
138	28.2	22.1	33.1
277	24.8	20.4	30.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#88

Benzo(b)fluoranthene

Concen: 11.514 ng m

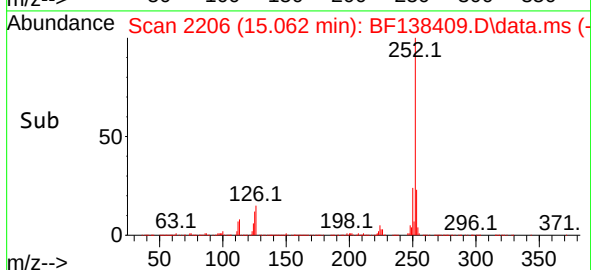
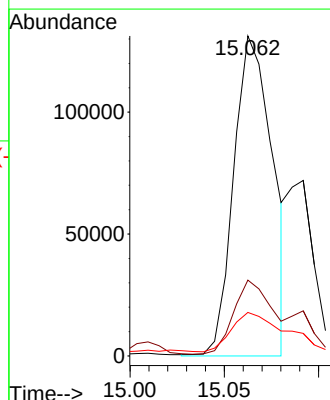
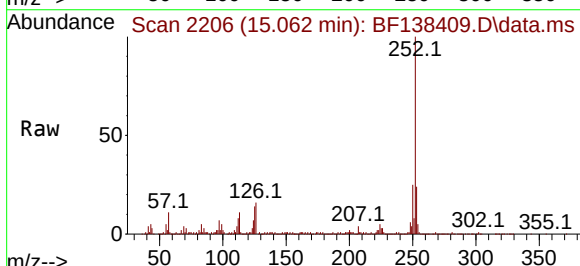
RT: 15.062 min Scan# 2206

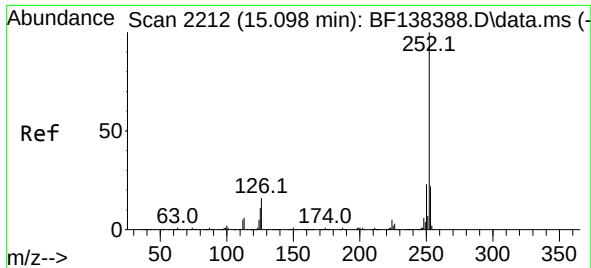
Delta R.T. -0.006 min

Lab File: BF138409.D

Acq: 01 Jul 2024 18:06

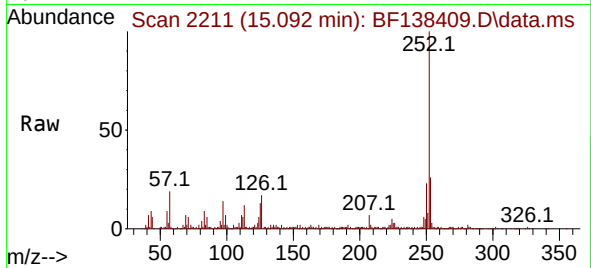
Tgt Ion:	252	Resp:	188696
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.4
125	13.6	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 4.550 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

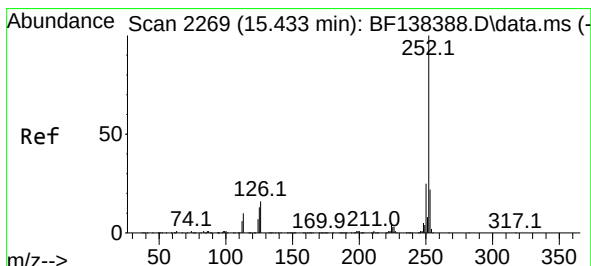
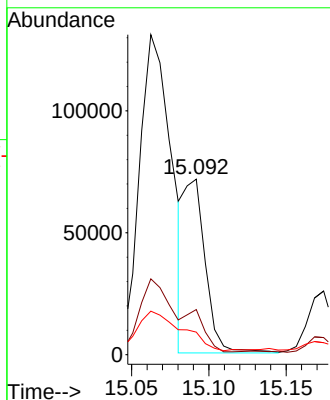
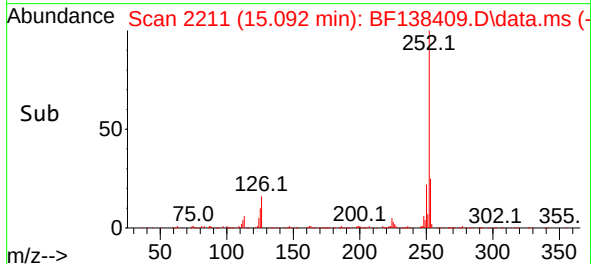
Instrument :
BNA_F
ClientSampleId :
7-B-1



Tgt Ion:252 Resp: 6868
Ion Ratio Lower Upper
252 100
253 25.7 17.4 26.2
125 12.9 8.7 13.1

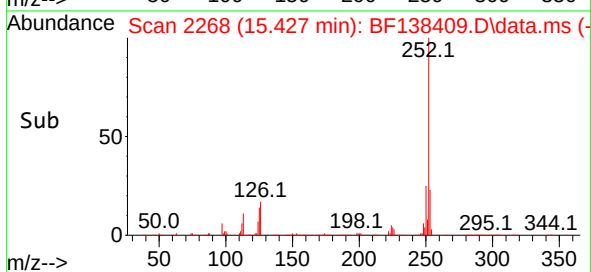
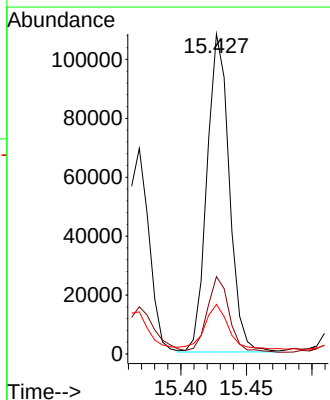
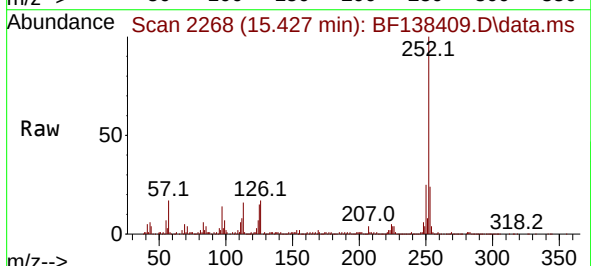
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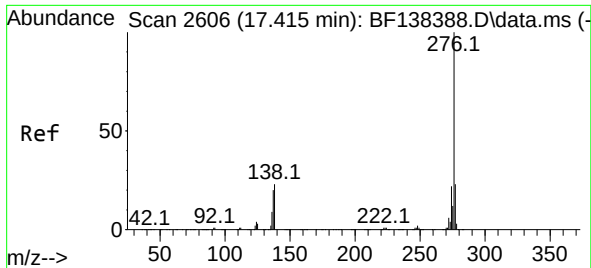
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#90
Benzo(a)pyrene
Concen: 8.904 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF138409.D
Acq: 01 Jul 2024 18:06

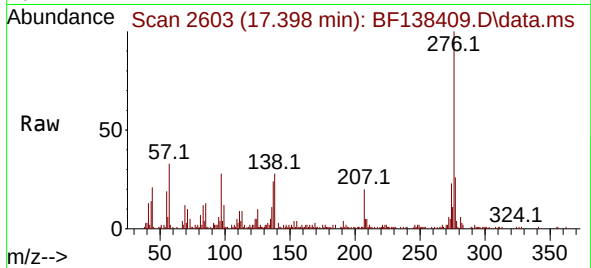
Tgt Ion:252 Resp: 127907
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 15.5 10.2 15.2#





#92
 Benzo(g,h,i)perylene
 Concen: 4.665 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF138409.D
 Acq: 01 Jul 2024 18:06

Instrument :
 BNA_F
 ClientSampleId :
 7-B-1



Tgt Ion:276 Resp: 5528
 Ion Ratio Lower Upper
 276 100
 277 26.5 18.3 27.5
 138 28.1 18.3 27.5

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Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024

