

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134359.D
 Acq On : 19 Jul 2023 15:17
 Operator : CG\JU
 Sample : 03597-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-46-(2-5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/20/2023
 Supervised By :mohammad ahmed 07/20/2023

Quant Time: Jul 19 15:49:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	73713	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	263621	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	126867	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	214595	20.000	ng	0.00
76) Chrysene-d12	14.033	240	140284	20.000	ng	0.00
86) Perylene-d12	15.539	264	116833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	365031	82.836	ng	0.01
7) Phenol-d6	6.481	99	438467	80.908	ng	0.00
23) Nitrobenzene-d5	7.404	82	302093	61.772	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	136542	85.840	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	566771	64.952	ng	-0.01
79) Terphenyl-d14	12.969	244	462922	53.109	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.392	178	46706	4.323	ng	98
75) Fluoranthene	12.592	202	80428	6.886	ng	97
78) Pyrene	12.822	202	73343	5.618	ng	97
81) Benzo(a)anthracene	14.021	228	37267m	3.831	ng	
83) Chrysene	14.057	228	36761	3.901	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	18128	2.236	ng	94
88) Benzo(b)fluoranthene	15.092	252	43991m	6.403	ng	
90) Benzo(a)pyrene	15.474	252	27732	4.175	ng	98
92) Benzo(g,h,i)perylene	17.551	276	16103	2.358	ng	96

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

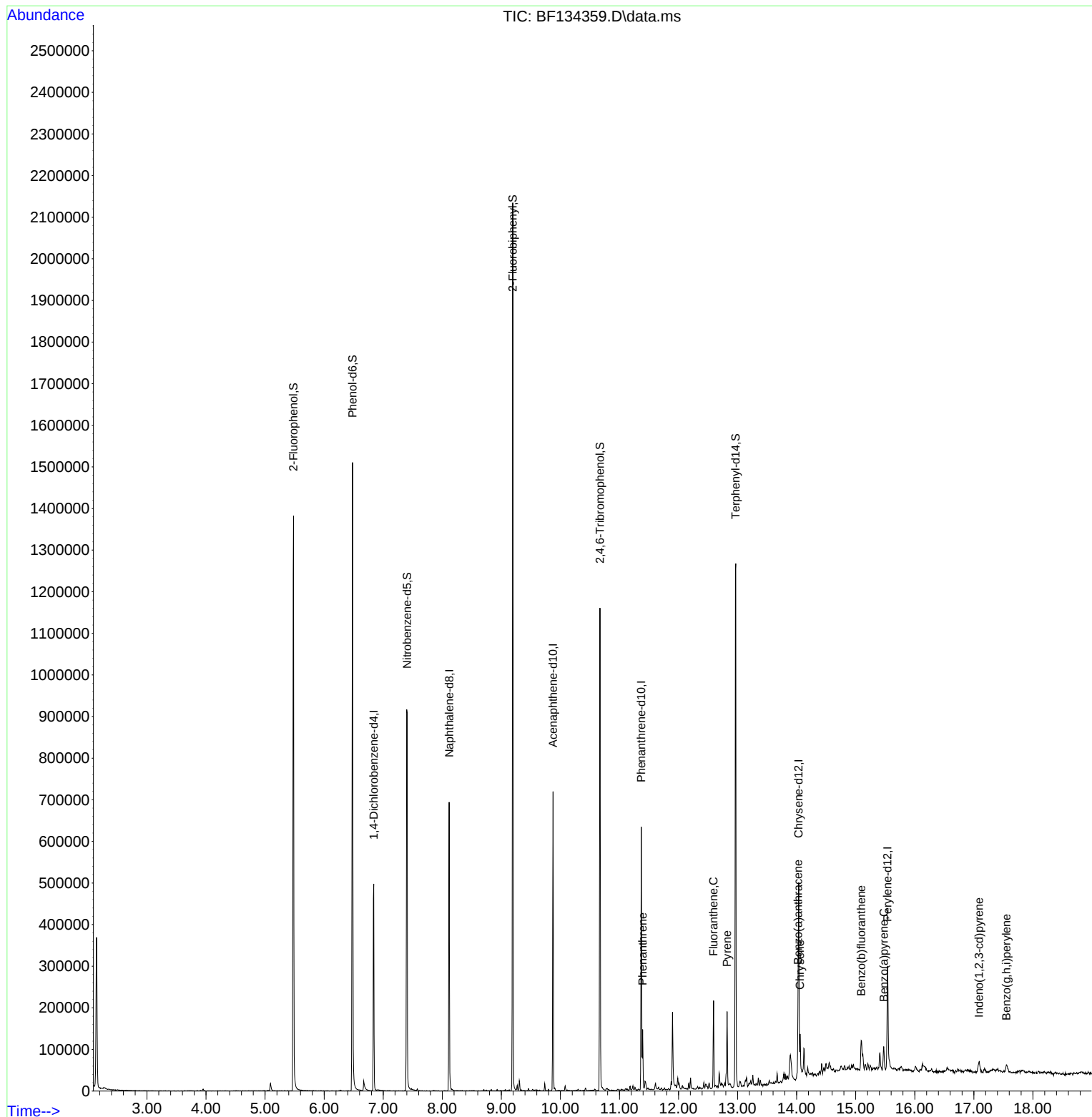
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
Data File : BF134359.D
Acq On : 19 Jul 2023 15:17
Operator : CG\JU
Sample : 03597-10
Misc :
ALS Vial : 6 Sample Multiplier: 1

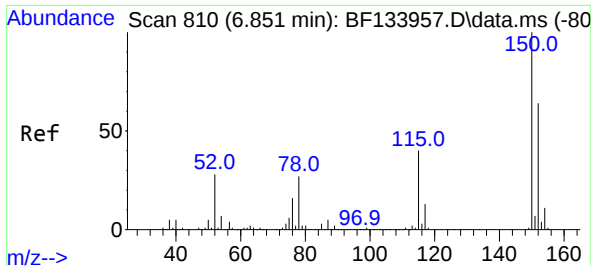
Instrument :
BNA_F
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RB-46-(2-5)

Quant Time: Jul 19 15:49:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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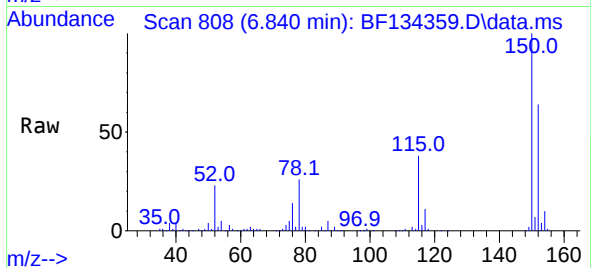
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

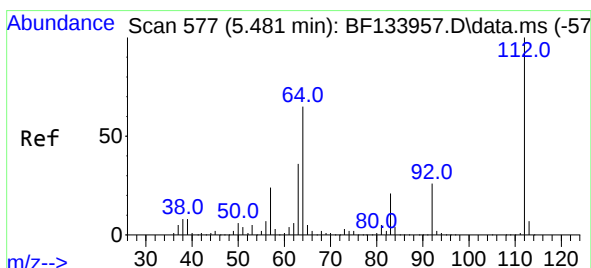
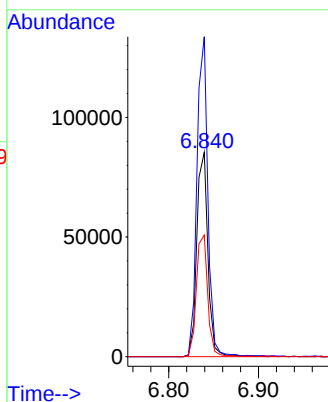
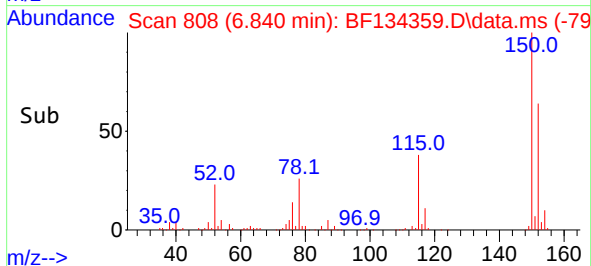


Tgt Ion:152 Resp: 7371
Ion Ratio Lower Upper
152 100
150 156.6 124.5 186.7
115 59.6 50.2 75.2

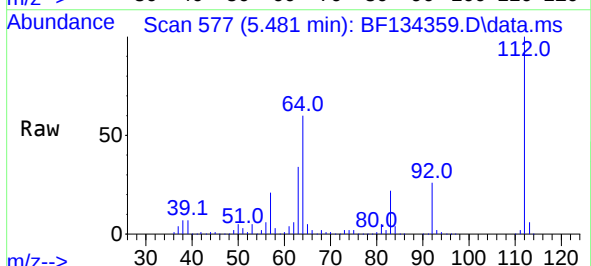
Manual Integrations

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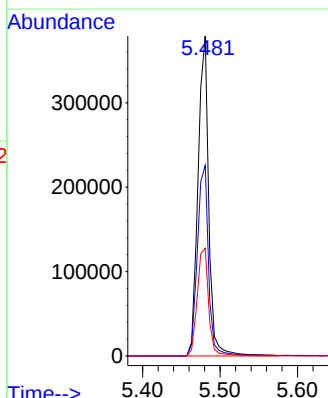
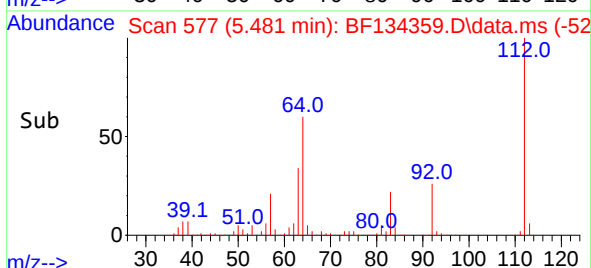
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

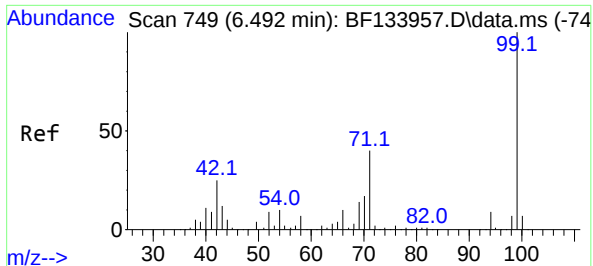


#5
2-Fluorophenol
Concen: 82.836 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17



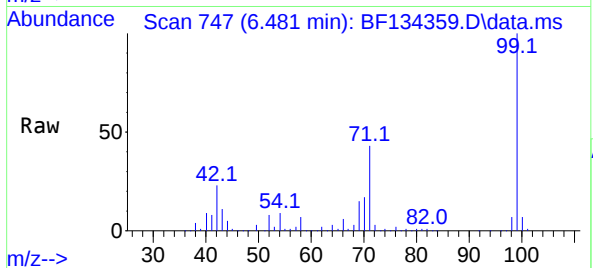
Tgt Ion:112 Resp: 365031
Ion Ratio Lower Upper
112 100
64 59.6 52.1 78.1
63 33.7 28.6 42.8





#7
Phenol-d6
Concen: 80.908 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

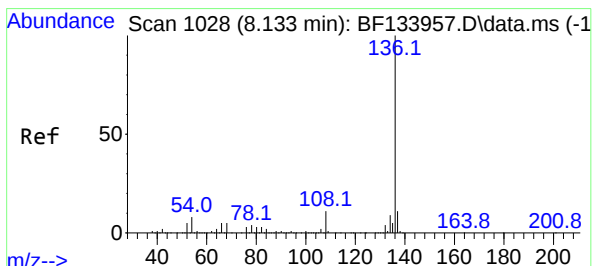
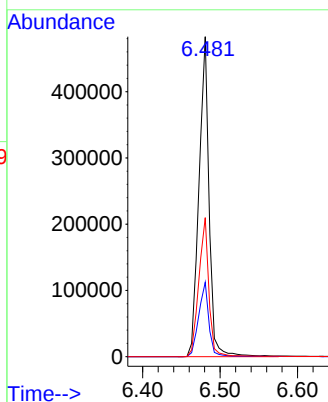
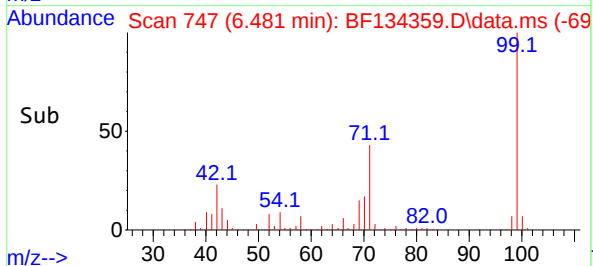
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



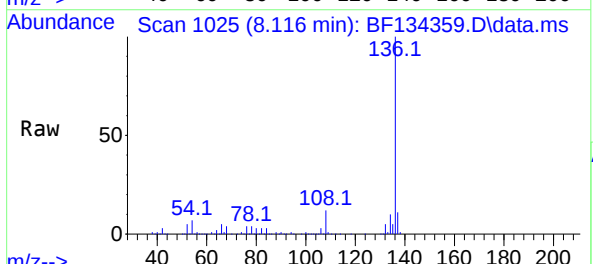
Tgt Ion: 99 Resp: 43846
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 43.5 31.9 47.9

Manual Integrations
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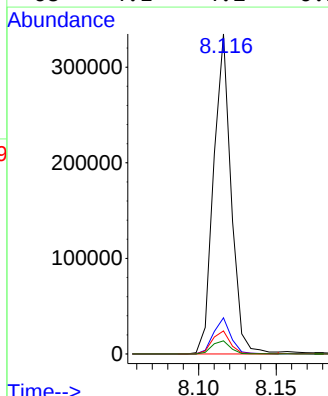
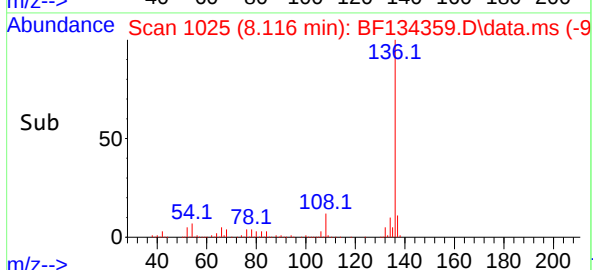
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

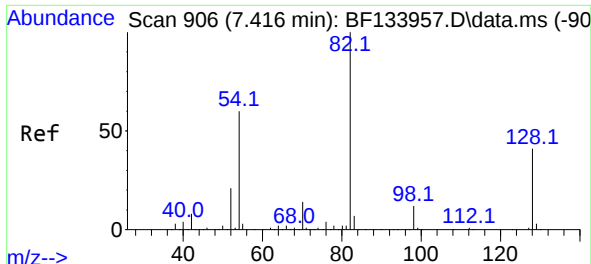


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17



Tgt Ion:136 Resp: 263621
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 7.2 6.5 9.7
68 4.1 4.2 6.2#





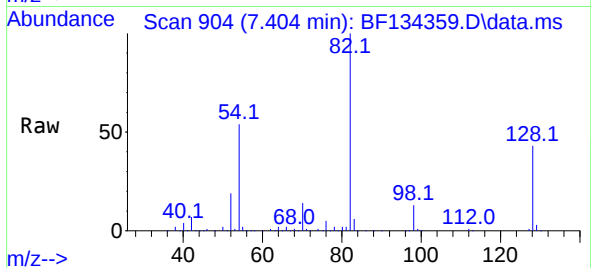
#23
Nitrobenzene-d5
Concen: 61.772 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

RB-46-(2-5)

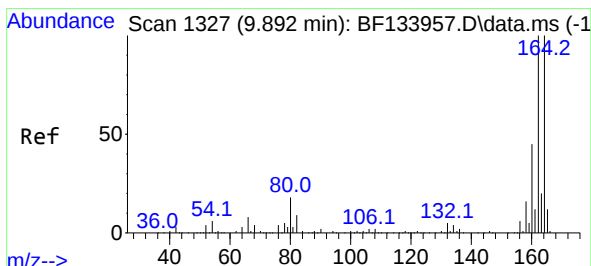
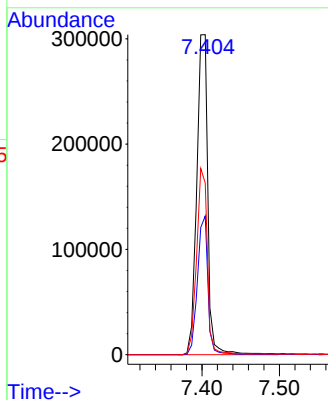
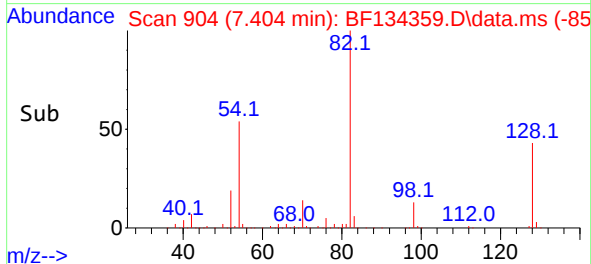


Tgt Ion: 82 Resp: 302091
Ion Ratio Lower Upper
82 100
128 43.4 32.5 48.7
54 53.7 48.2 72.2

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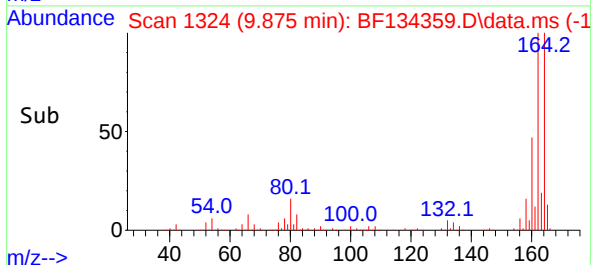
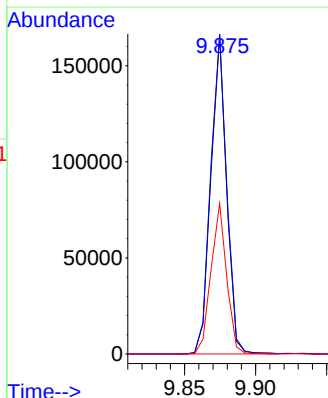
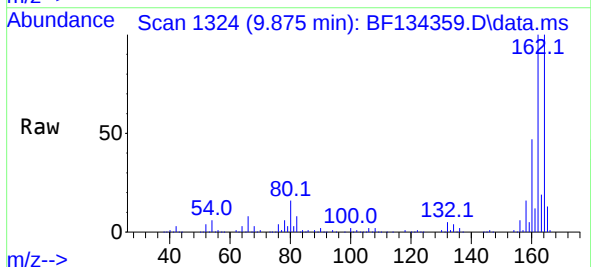
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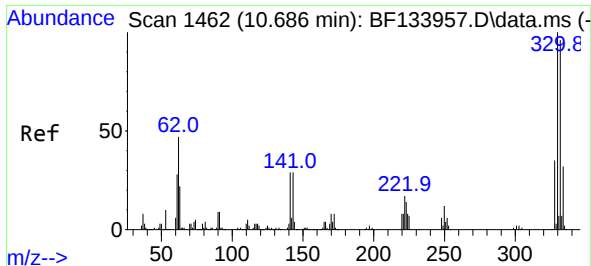
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Tgt Ion:164 Resp: 126867
Ion Ratio Lower Upper
164 100
162 100.4 80.0 120.0
160 47.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 85.840 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Instrument :

BNA_F

ClientSampleId :

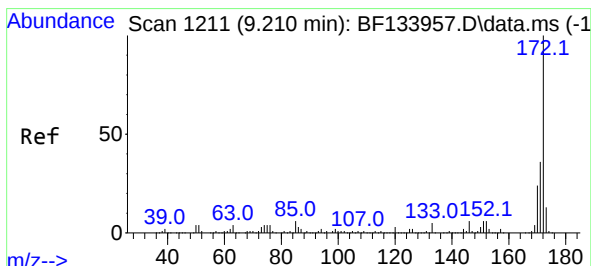
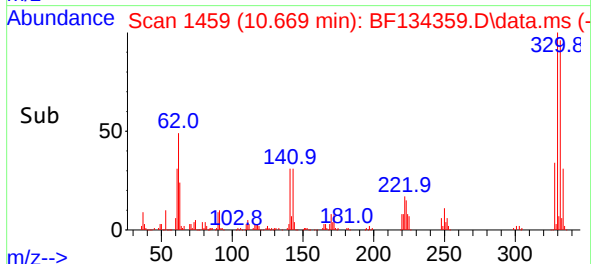
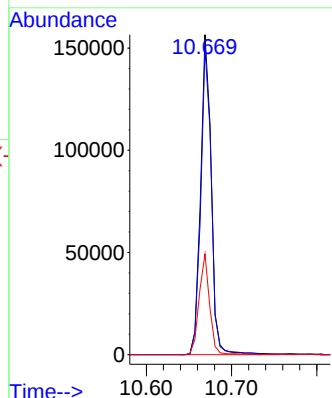
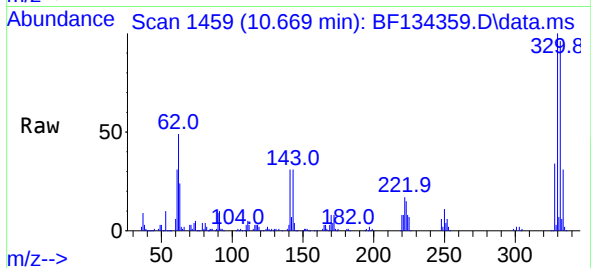
RB-46-(2-5)

Tgt Ion:330 Resp: 13654
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.6
141 31.0 26.3 39.5

Manual Integrations

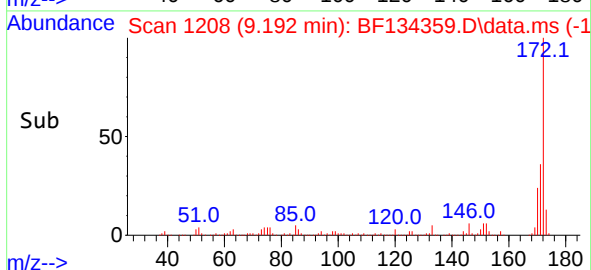
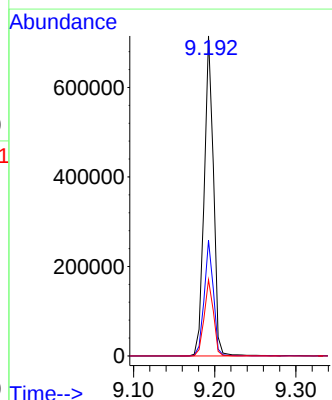
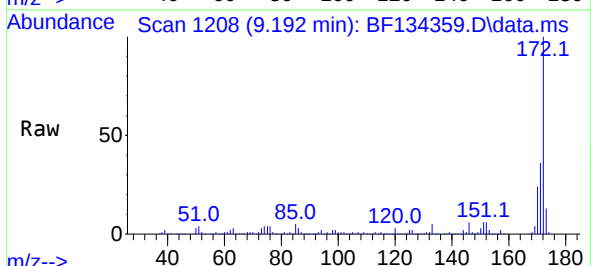
APPROVED

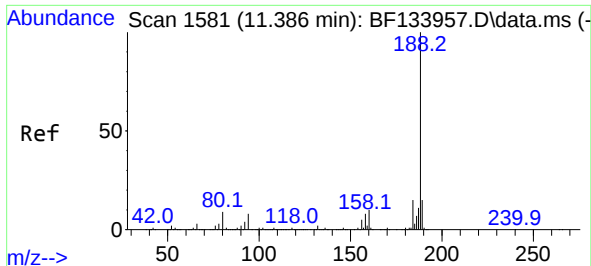
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#45
2-Fluorobiphenyl
Concen: 64.952 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

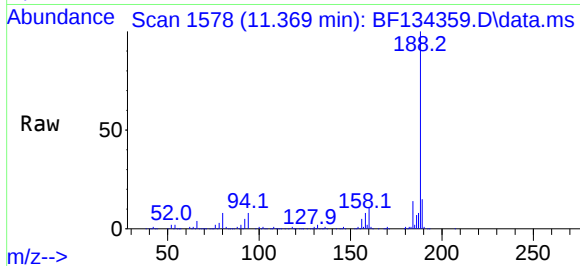
Tgt Ion:172 Resp: 566771
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.8 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

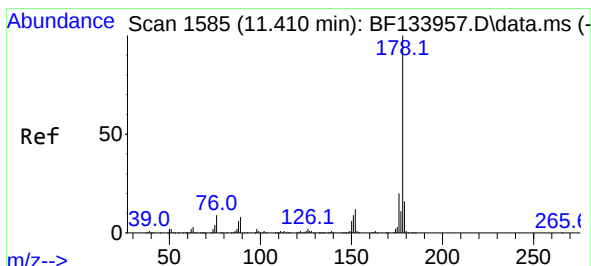
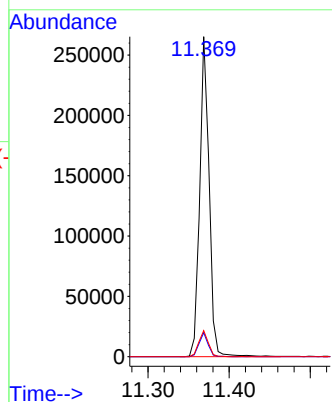
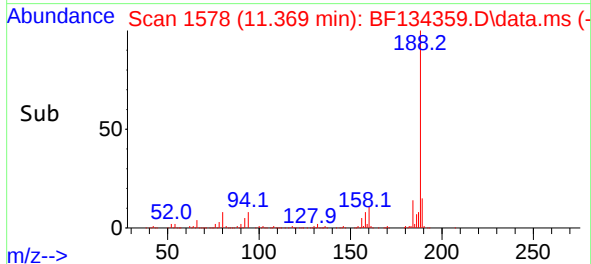
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



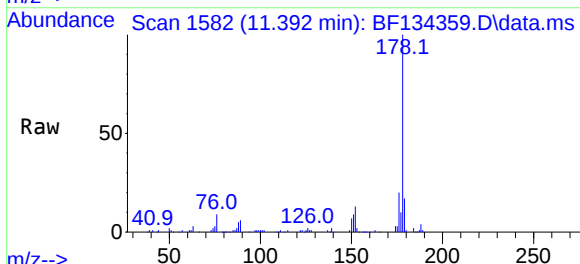
Tgt Ion:188 Resp: 21459
Ion Ratio Lower Upper
188 100
94 7.5 6.4 9.6
80 8.2 7.3 10.9

Manual Integrations
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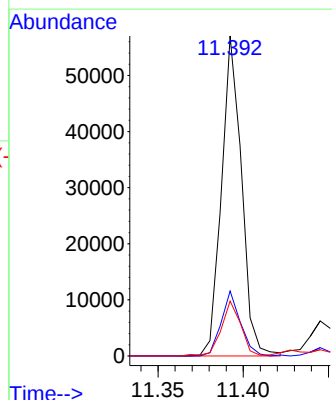
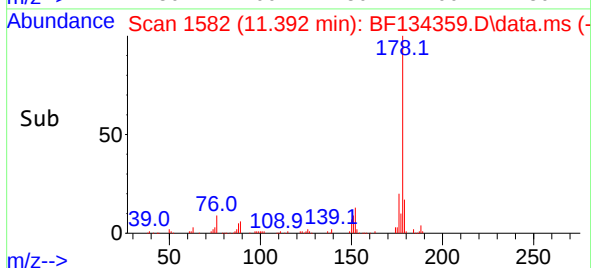
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

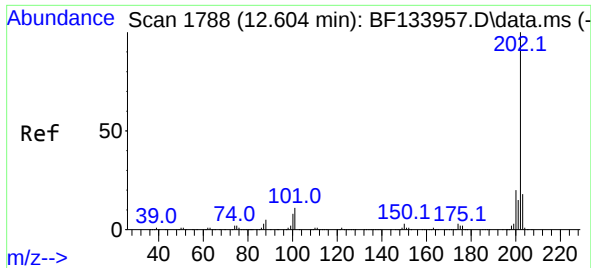


#71
Phenanthrene
Concen: 4.323 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17



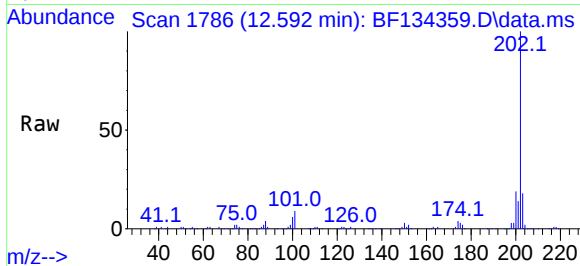
Tgt Ion:178 Resp: 46706
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 17.1 12.4 18.6





#75
Fluoranthene
Concen: 6.886 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

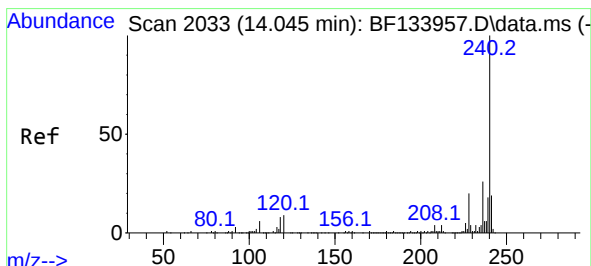
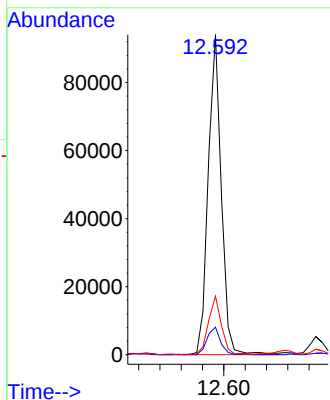
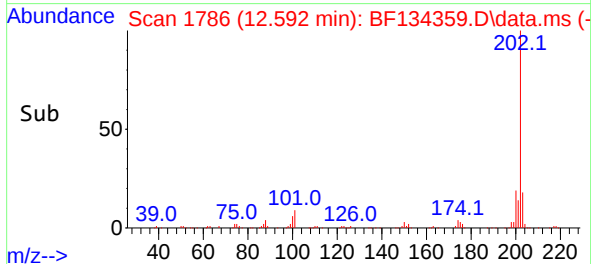
Instrument :
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RB-46-(2-5)



Tgt Ion:202 Resp: 80428
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.0
203 18.3 0.0 37.6

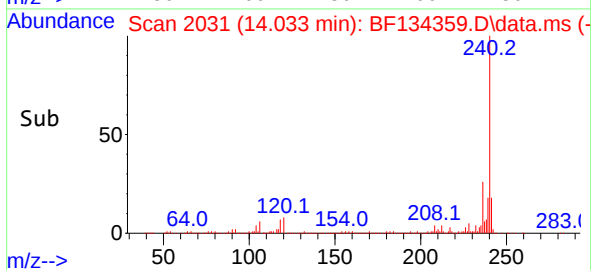
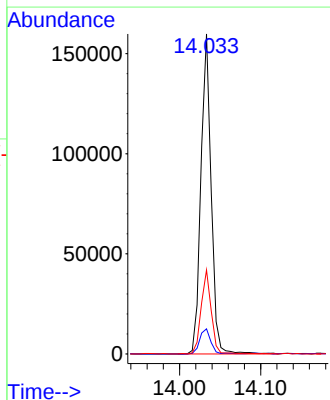
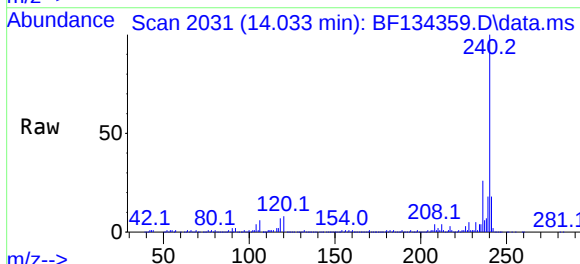
Manual Integrations
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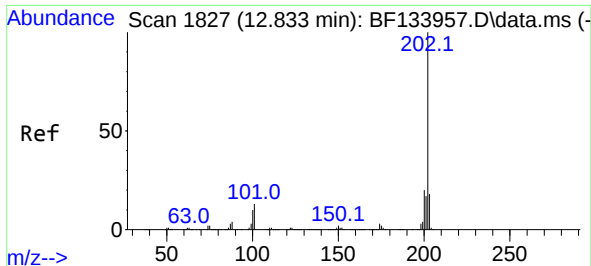
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

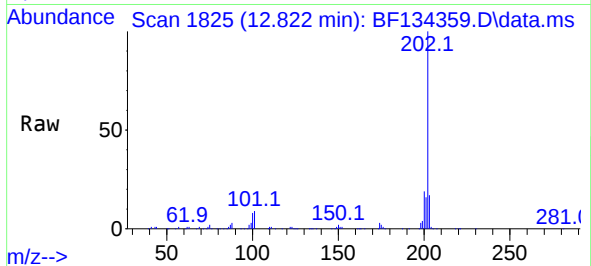
Tgt Ion:240 Resp: 140284
Ion Ratio Lower Upper
240 100
120 7.8 7.4 11.0
236 26.2 21.0 31.6





#78
 Pyrene
 Concen: 5.618 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF134359.D
 Acq: 19 Jul 2023 15:17

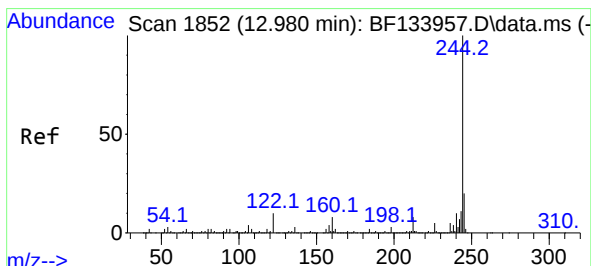
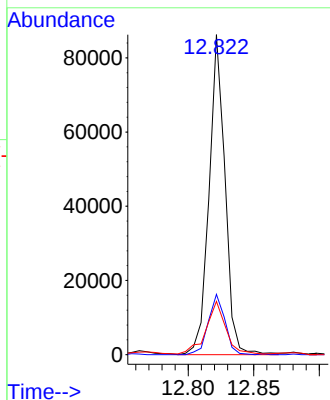
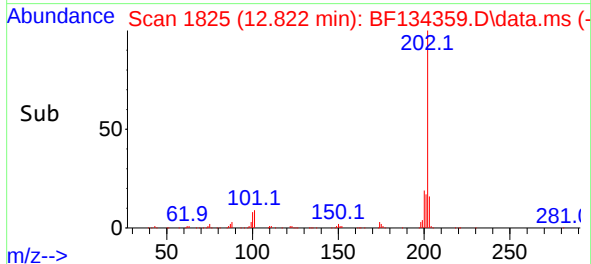
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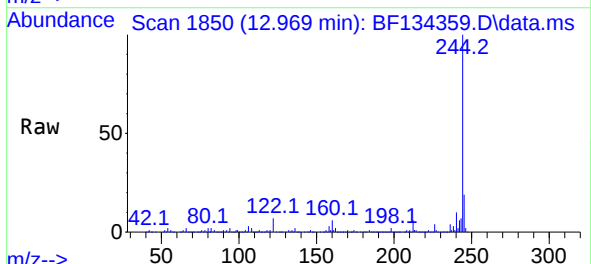
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 Ion Ratio Lower Upper
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 200 18.8 16.1 24.1
 203 16.7 14.3 21.5

Manual Integrations
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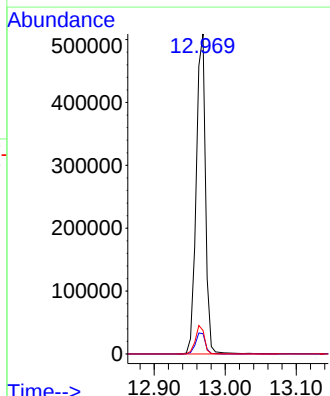
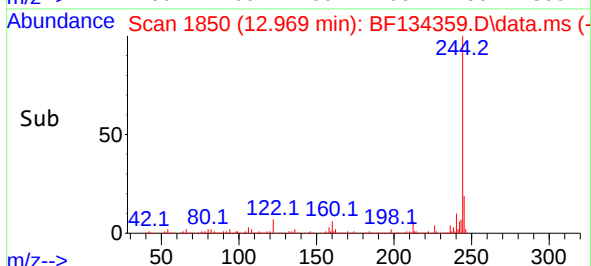
Reviewed By :Yogesh Patel 07/20/2023
 Supervised By :mohammad ahmed 07/20/2023

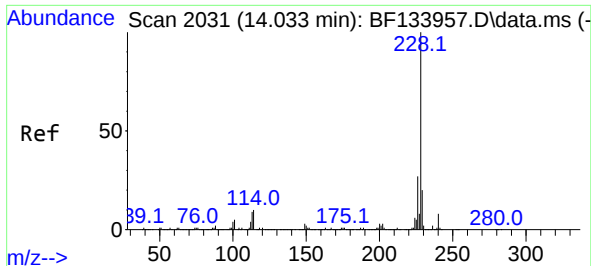


#79
 Terphenyl-d14
 Concen: 53.109 ng
 RT: 12.969 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF134359.D
 Acq: 19 Jul 2023 15:17



Tgt Ion:244 Resp: 462922
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.0 9.0
 122 7.3 8.3 12.5





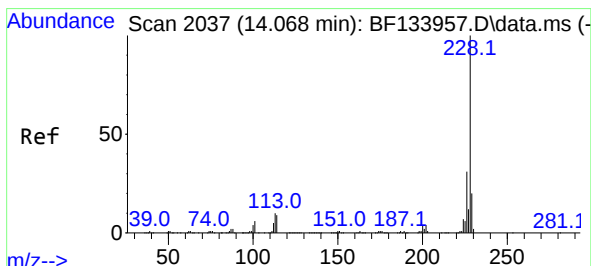
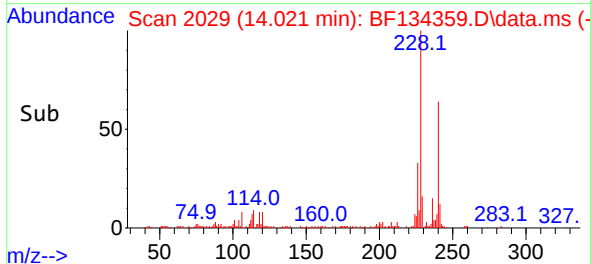
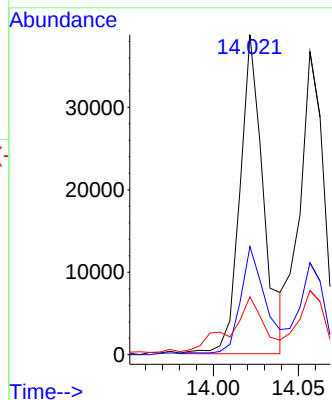
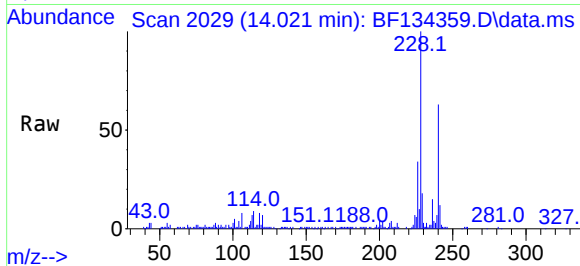
#81
Benzo(a)anthracene
Concen: 3.831 ng m
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)

Tgt Ion:228 Resp: 37261
Ion Ratio Lower Upper
228 100
226 33.8 22.0 33.0
229 18.1 16.3 24.5

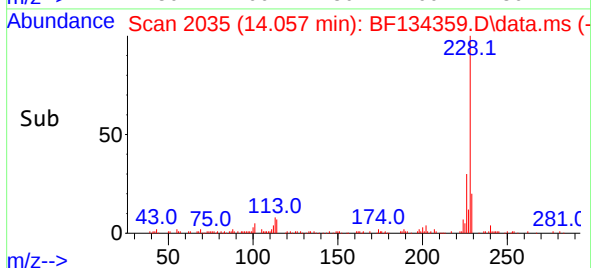
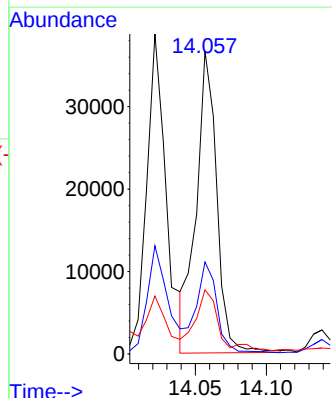
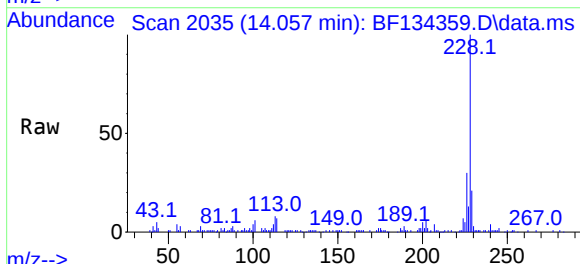
Manual Integrations
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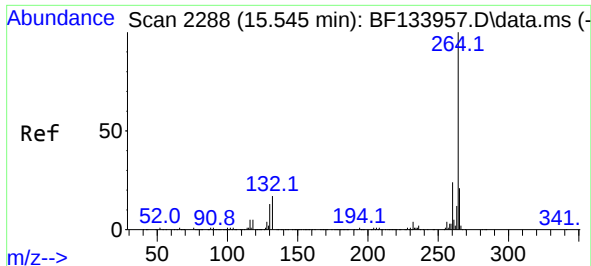
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#83
Chrysene
Concen: 3.901 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

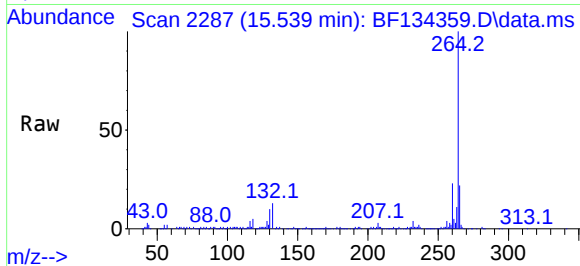
Tgt Ion:228 Resp: 36761
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.2 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

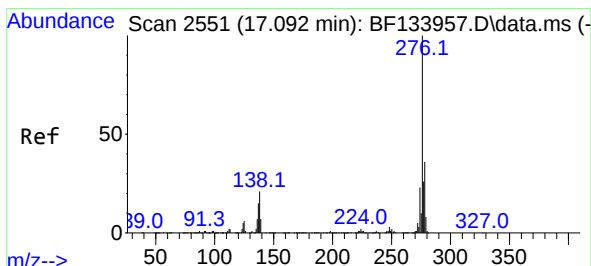
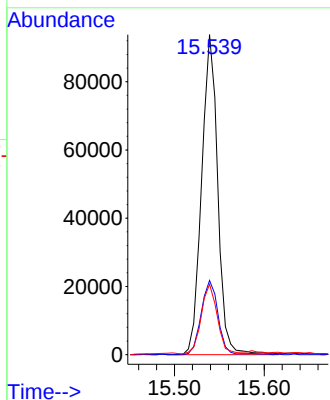
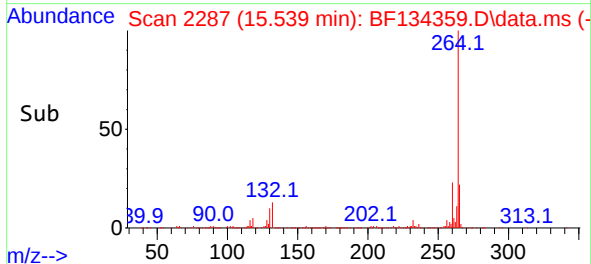
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



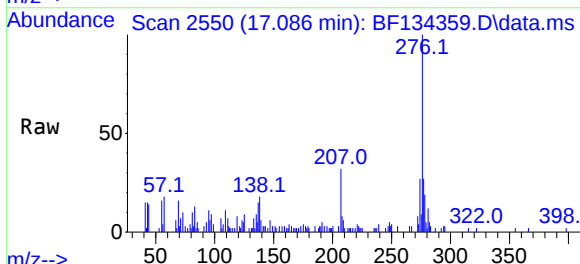
Tgt Ion:264 Resp: 11683
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 22.0 16.6 25.0

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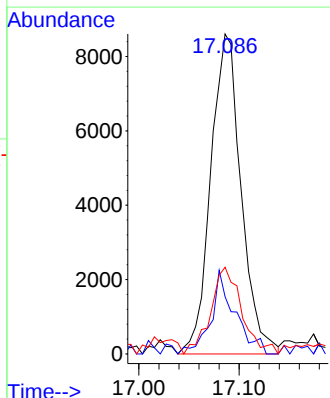
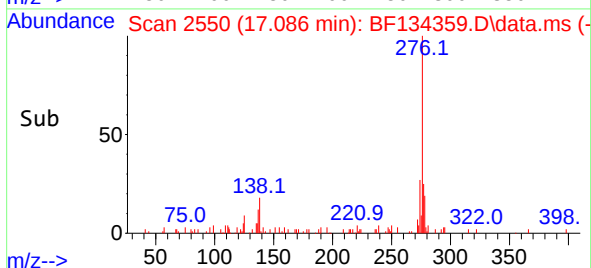
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

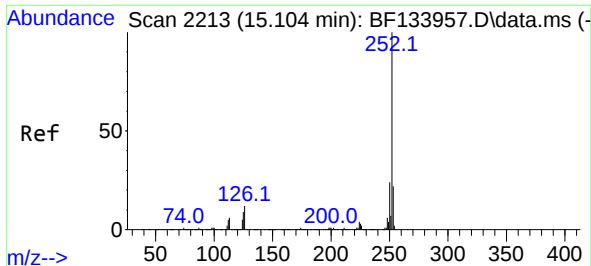


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.236 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17



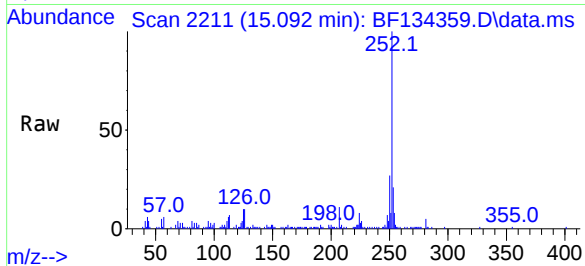
Tgt Ion:276 Resp: 18128
Ion Ratio Lower Upper
276 100
138 20.6 18.7 28.1
277 27.6 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 6.403 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

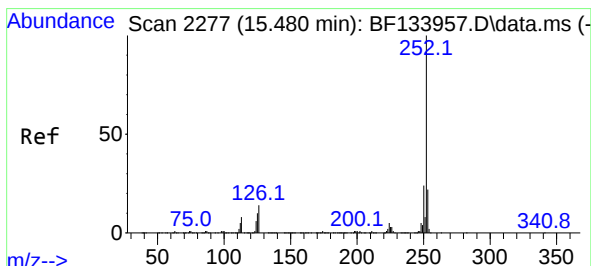
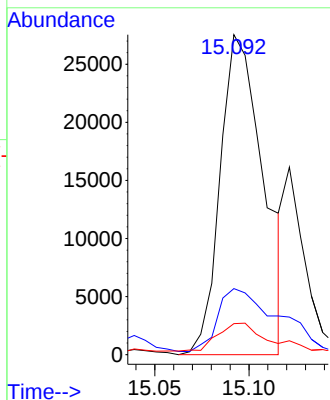
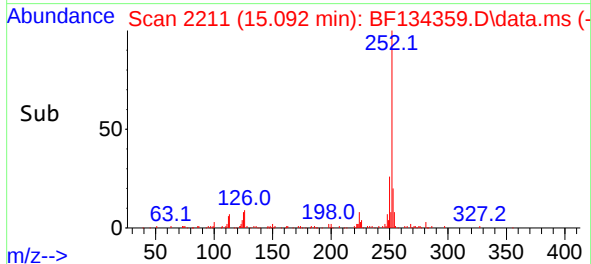
Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



Tgt Ion:252 Resp: 4399
Ion Ratio Lower Upper
252 100
253 20.7 17.4 26.0
125 9.7 7.1 10.7

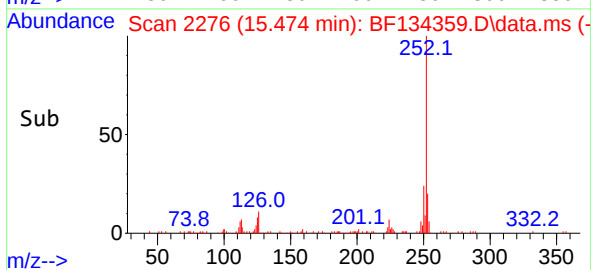
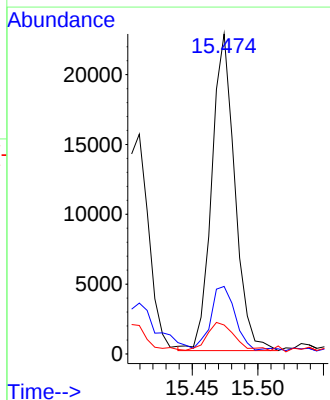
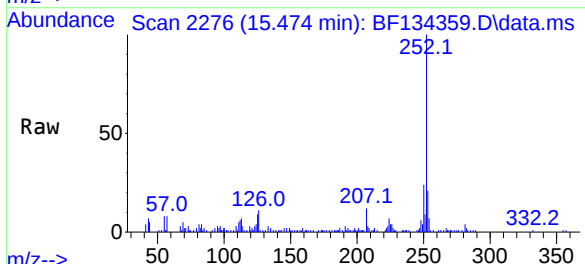
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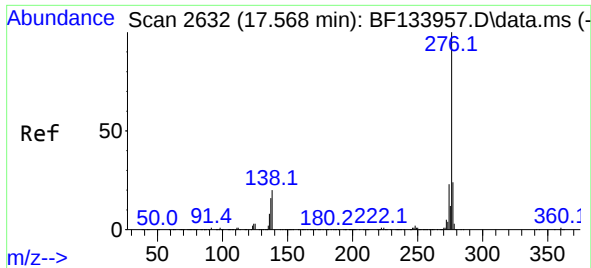
Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023



#90
Benzo(a)pyrene
Concen: 4.175 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

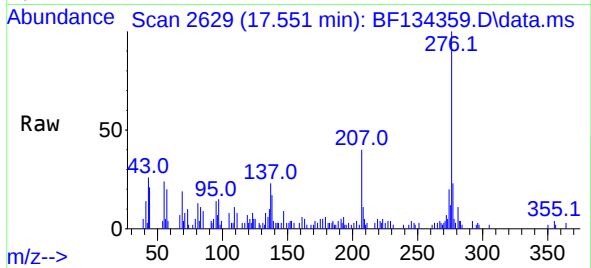
Tgt Ion:252 Resp: 27732
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.0
125 9.1 8.4 12.6





#92
Benzo(g,h,i)perylene
Concen: 2.358 ng
RT: 17.551 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF134359.D
Acq: 19 Jul 2023 15:17

Instrument :
BNA_F
ClientSampleId :
RB-46-(2-5)



Tgt Ion:	276	Resp:	1610
Ion Ratio	Lower	Upper	
276	100		
277	22.9	19.0	28.6
138	17.2	16.2	24.2

Manual Integrations
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Reviewed By :Yogesh Patel 07/20/2023
Supervised By :mohammad ahmed 07/20/2023

