

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072023\
 Data File : BF134388.D
 Acq On : 20 Jul 2023 18:47
 Operator : CG\JU
 Sample : 03654-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12016

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :mohammad ahmed 07/21/2023

Quant Time: Jul 20 19:47:35 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	6.834	152	64565	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	256176	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	135712	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	267496	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	159162	20.000	ng	-0.01
86) Perylene-d12	15.533	264	162718	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	470705	121.952	ng	0.01
7) Phenol-d6	6.481	99	571460	120.390	ng	0.00
23) Nitrobenzene-d5	7.404	82	394902	83.097	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	191193	112.364	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	791379	84.781	ng	-0.01
79) Terphenyl-d14	12.968	244	957364	96.807	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.586	163	22377	2.271	ng	99
71) Phenanthrene	11.392	178	135219	10.041	ng	97
75) Fluoranthene	12.586	202	253965	17.445	ng	98
78) Pyrene	12.821	202	210288	14.197	ng	99
81) Benzo(a)anthracene	14.021	228	80708	7.312	ng	98
83) Chrysene	14.057	228	80905	7.567	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	47270	4.187	ng	# 93
88) Benzo(b)fluoranthene	15.092	252	100443m	10.498	ng	
89) Benzo(k)fluoranthene	15.115	252	30877m	3.170	ng	
90) Benzo(a)pyrene	15.468	252	69714m	7.535	ng	
92) Benzo(g,h,i)perylene	17.545	276	45449m	4.779	ng	

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

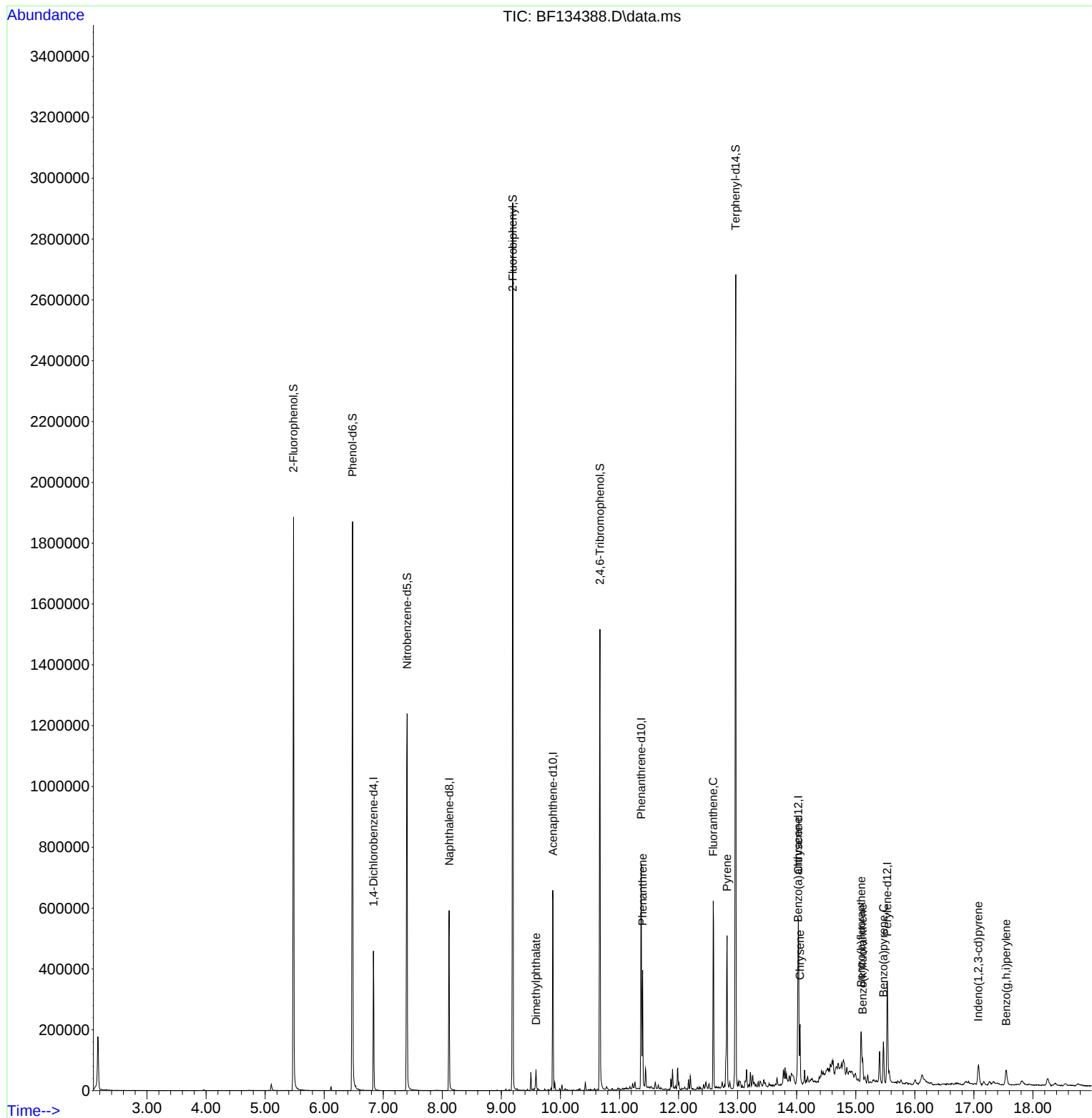
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072023\
Data File : BF134388.D
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ALS Vial : 14 Sample Multiplier: 1

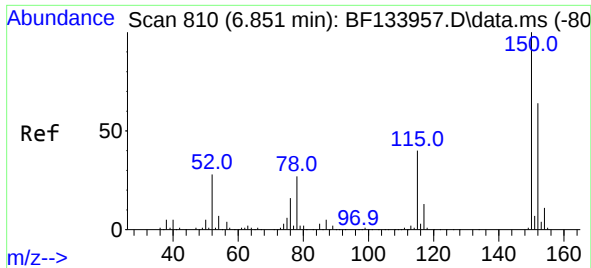
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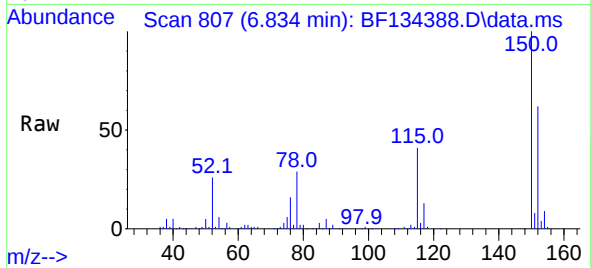
Quant Time: Jul 20 19:47:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

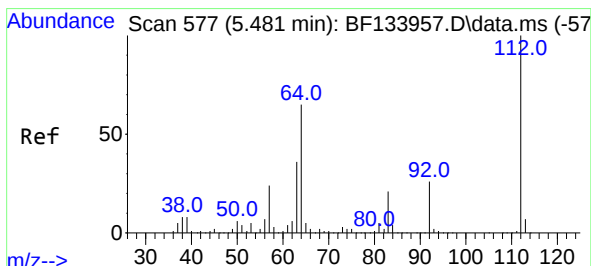
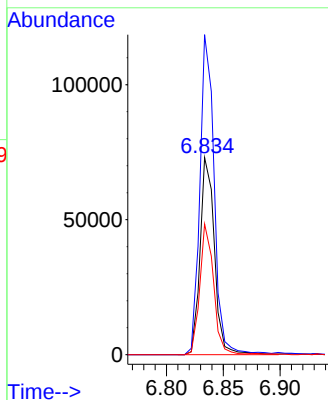
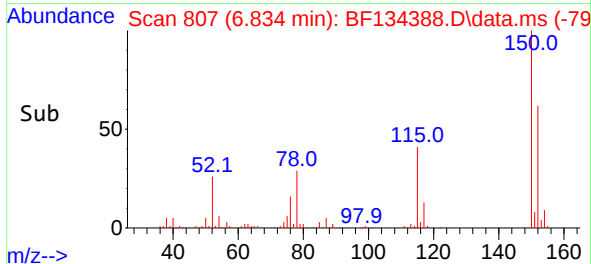
Instrument :
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ClientSampleId :
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Tgt Ion:152 Resp: 6456
Ion Ratio Lower Upper
152 100
150 162.3 124.5 186.7
115 66.3 50.2 75.2

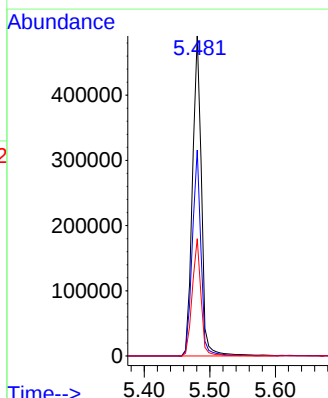
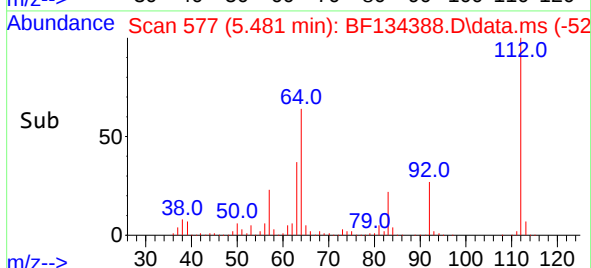
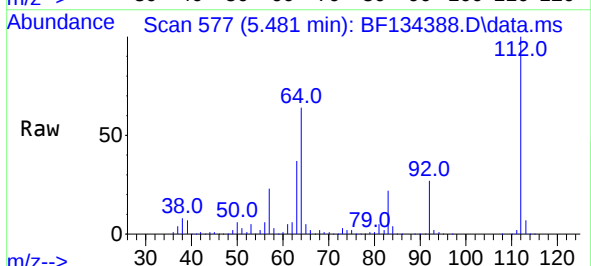
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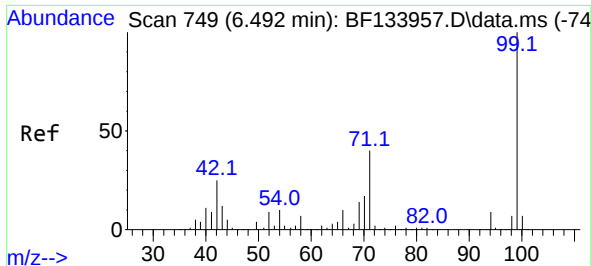
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#5
2-Fluorophenol
Concen: 121.952 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

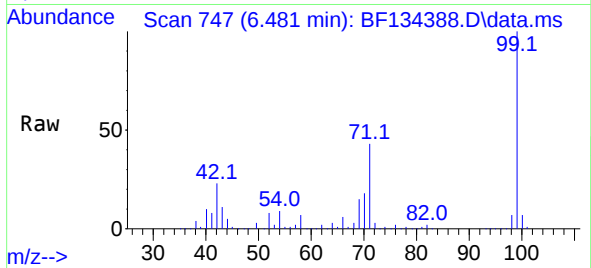
Tgt Ion:112 Resp: 470705
Ion Ratio Lower Upper
112 100
64 64.4 52.1 78.1
63 36.6 28.6 42.8





#7
Phenol-d6
Concen: 120.390 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

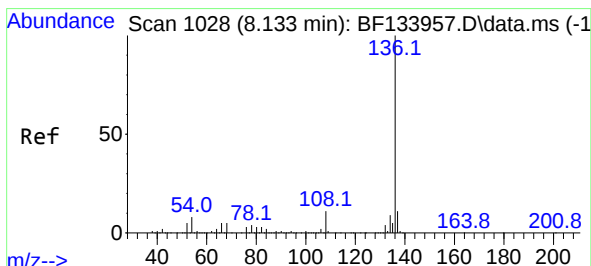
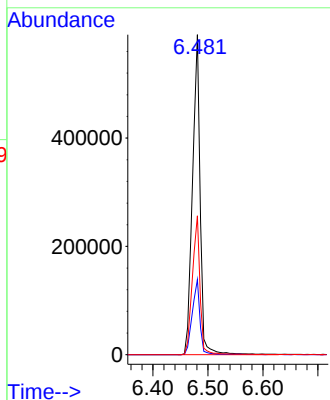
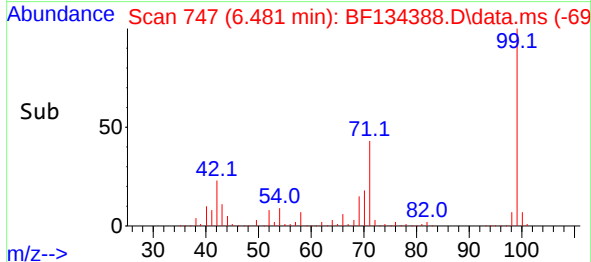
Instrument :
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ClientSampleId :
72-12016



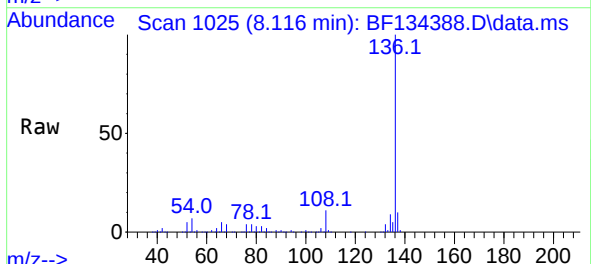
Tgt Ion: 99 Resp: 571460
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 43.4 31.9 47.9

Manual Integrations
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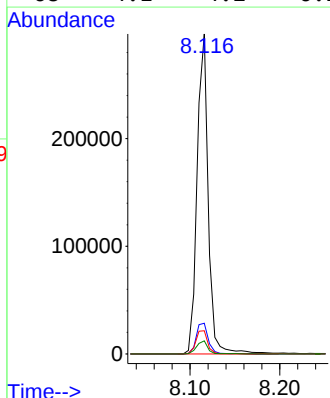
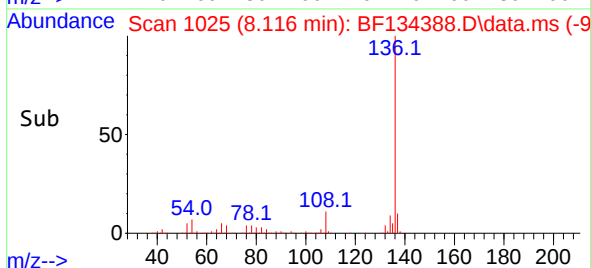
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

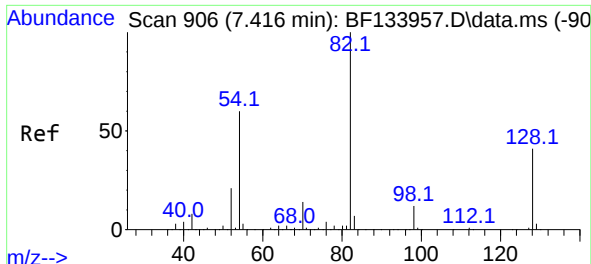


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47



Tgt Ion:136 Resp: 256176
Ion Ratio Lower Upper
136 100
137 9.6 8.6 12.8
54 7.3 6.5 9.7
68 4.1 4.2 6.2#





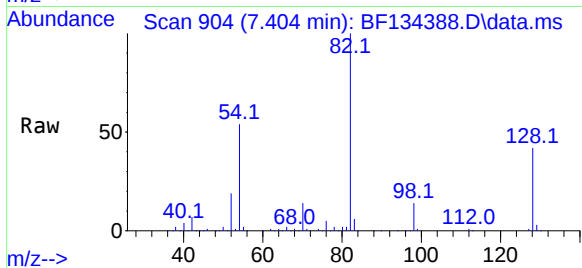
#23
Nitrobenzene-d5
Concen: 83.097 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Instrument :

BNA_F

ClientSampleId :

72-12016

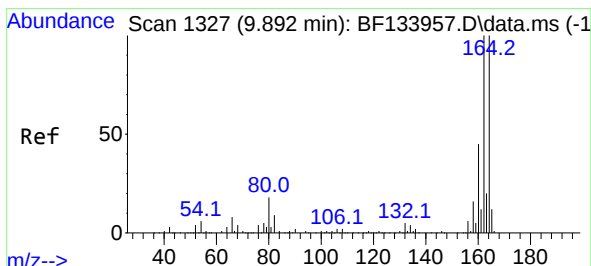
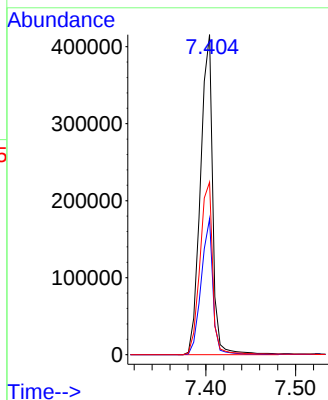
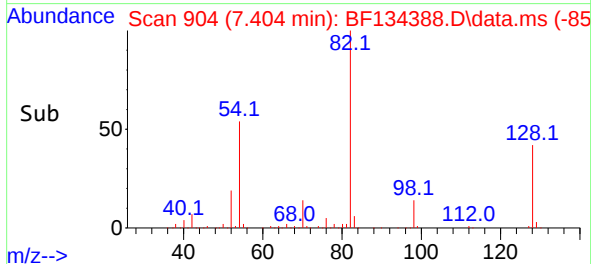


Tgt Ion: 82 Resp: 394902
Ion Ratio Lower Upper
82 100
128 42.5 32.5 48.7
54 53.9 48.2 72.2

Manual Integrations

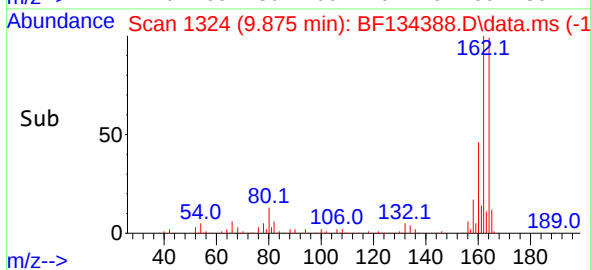
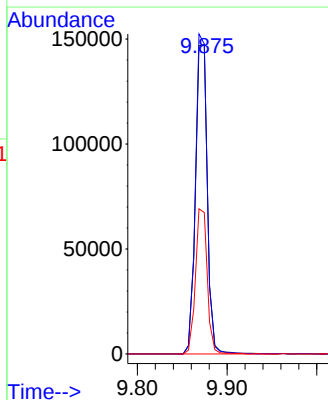
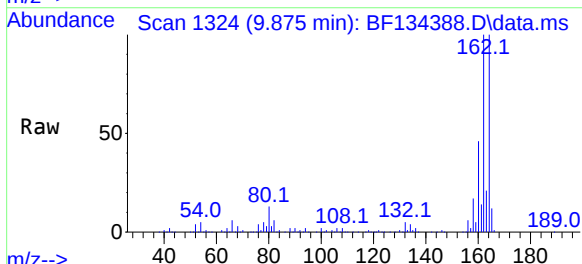
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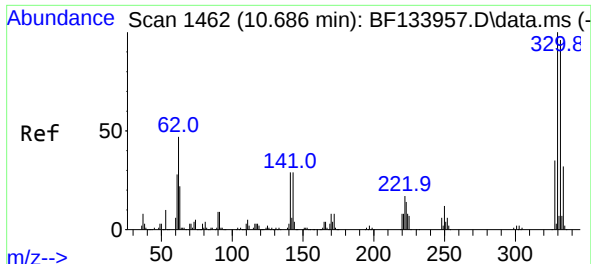
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Tgt Ion:164 Resp: 135712
Ion Ratio Lower Upper
164 100
162 100.3 80.0 120.0
160 45.8 35.9 53.9





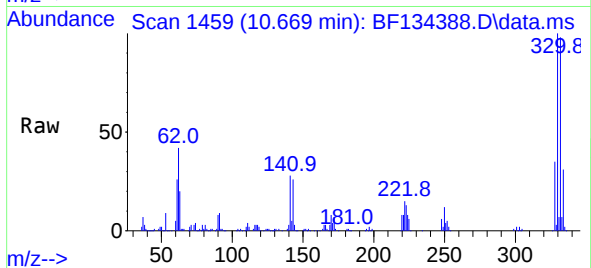
#42
2,4,6-Tribromophenol
Concen: 112.364 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Instrument :

BNA_F

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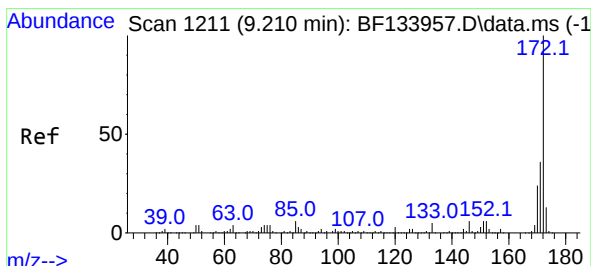
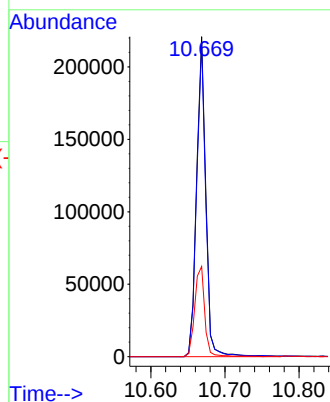
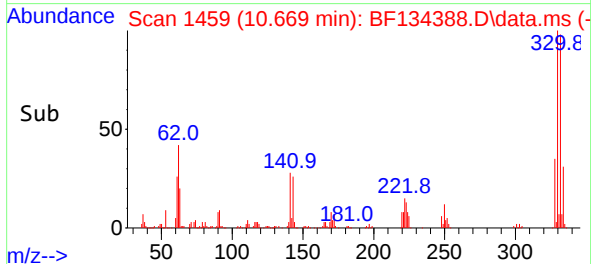
Tgt Ion:330 Resp: 191190
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 30.5 26.3 39.5

Manual Integrations

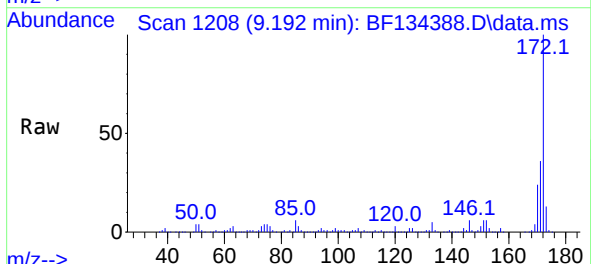
APPROVED

Reviewed By :Yogesh Patel 07/21/2023

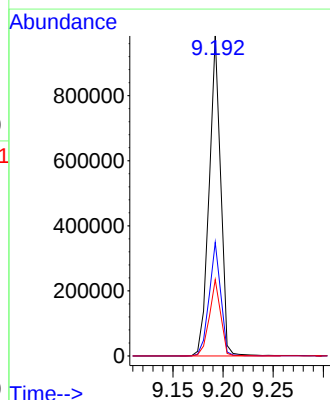
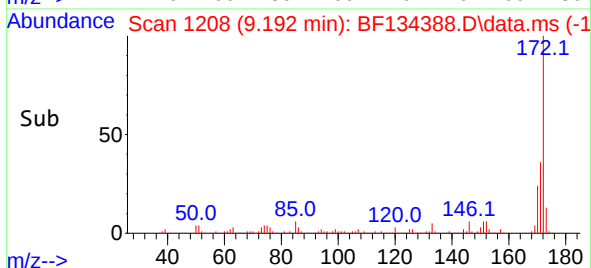
Supervised By :mohammad ahmed 07/21/2023

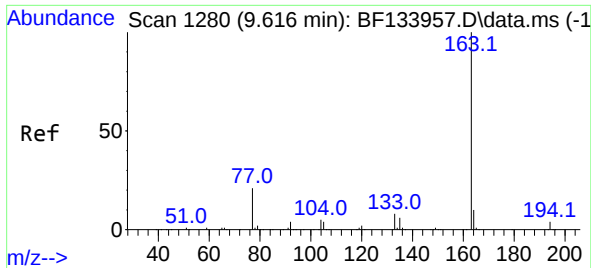


#45
2-Fluorobiphenyl
Concen: 84.781 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47



Tgt Ion:172 Resp: 791379
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.9 19.4 29.0





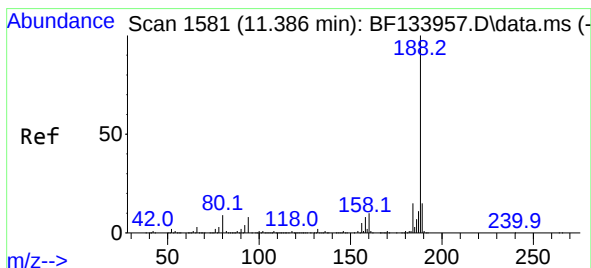
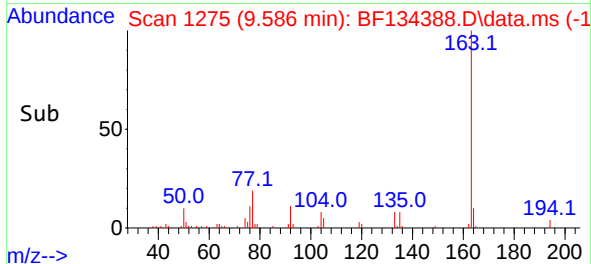
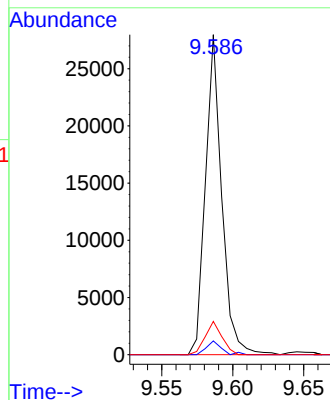
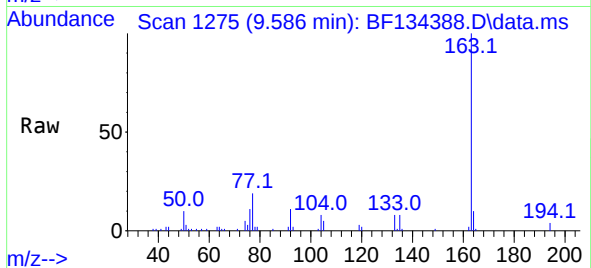
#50
Dimethylphthalate
Concen: 2.271 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Instrument :
BNA_F
ClientSampleId :
72-12016

Tgt Ion:163 Resp: 2237
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 10.4 8.2 12.2

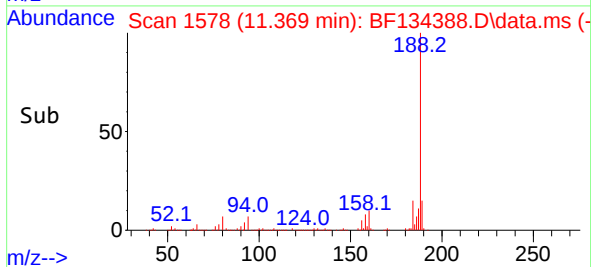
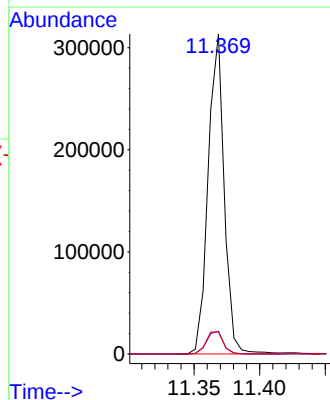
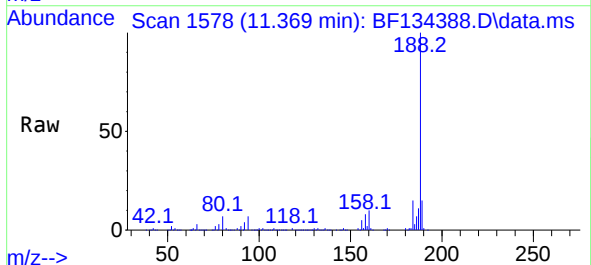
Manual Integrations
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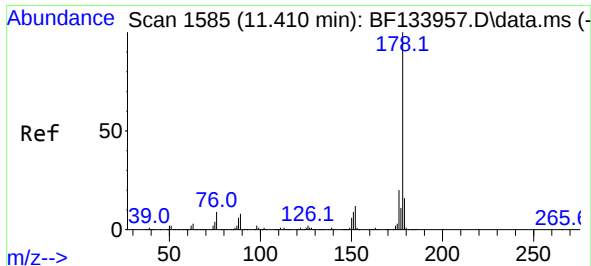
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

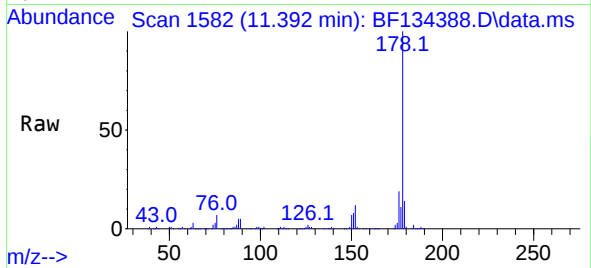
Tgt Ion:188 Resp: 267496
Ion Ratio Lower Upper
188 100
94 7.1 6.4 9.6
80 6.9 7.3 10.9#





#71
Phenanthrene
Concen: 10.041 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

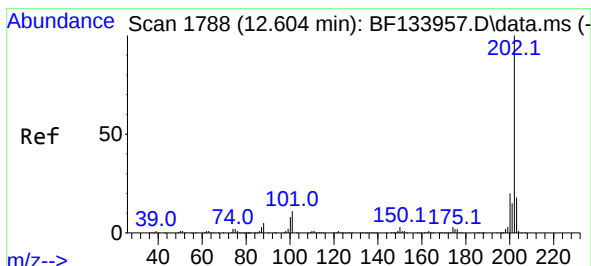
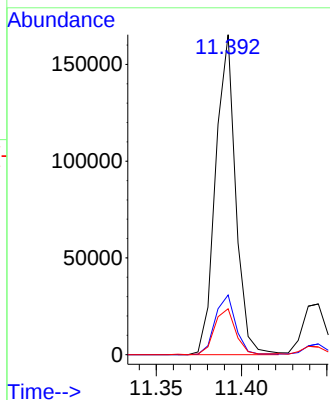
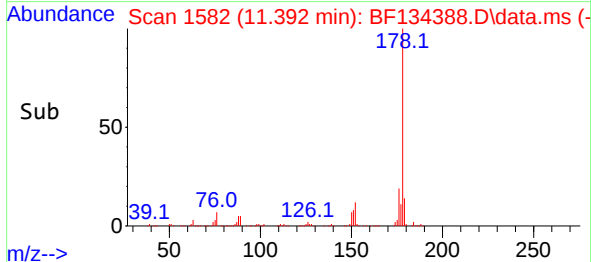
Instrument :
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Tgt Ion:178 Resp: 135219
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 14.3 12.4 18.6

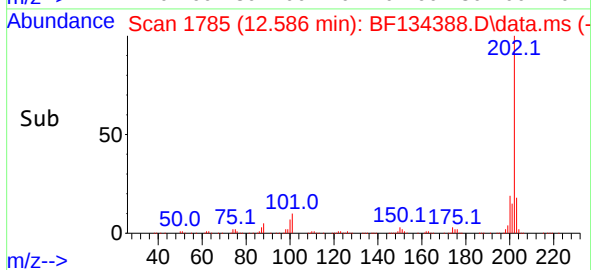
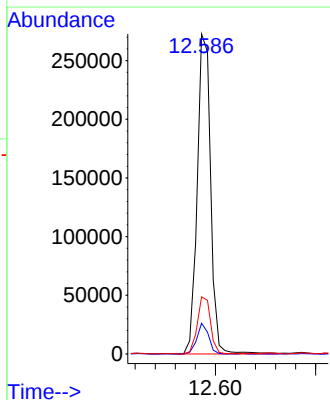
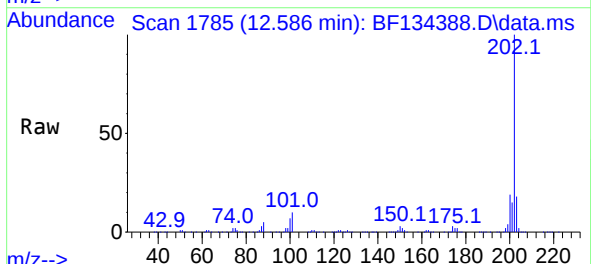
Manual Integrations
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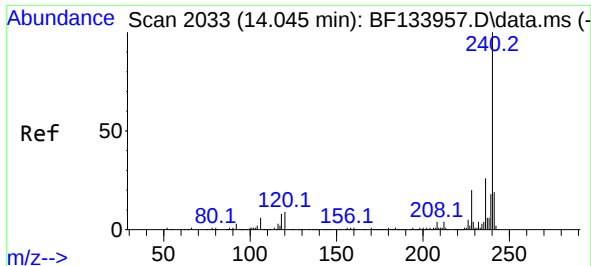
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#75
Fluoranthene
Concen: 17.445 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Tgt Ion:202 Resp: 253965
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.0
203 17.8 0.0 37.6





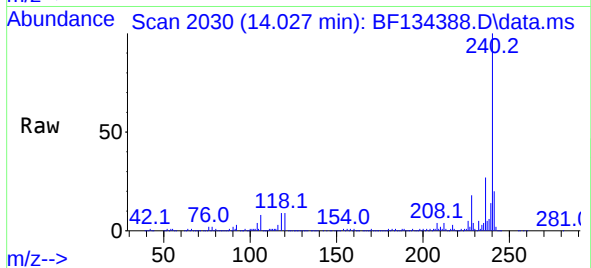
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Instrument :

BNA_F

ClientSampleId :

72-12016

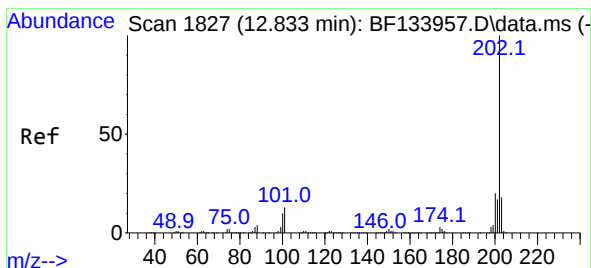
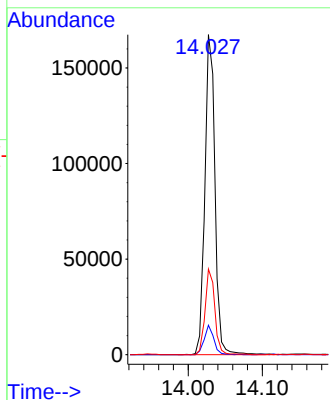
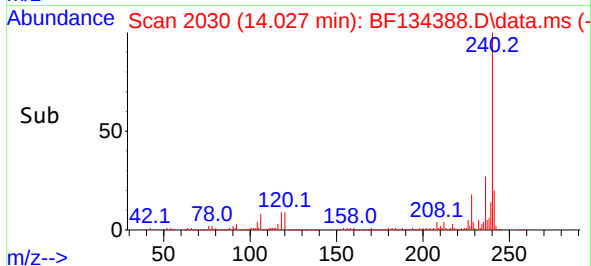


Tgt Ion:240 Resp: 15916
Ion Ratio Lower Upper
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120 9.2 7.4 11.0
236 26.8 21.0 31.6

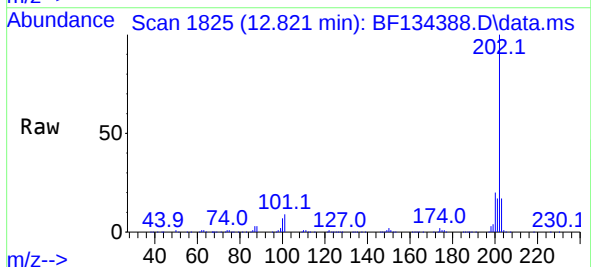
Manual Integrations

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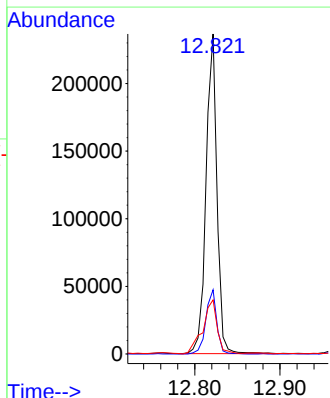
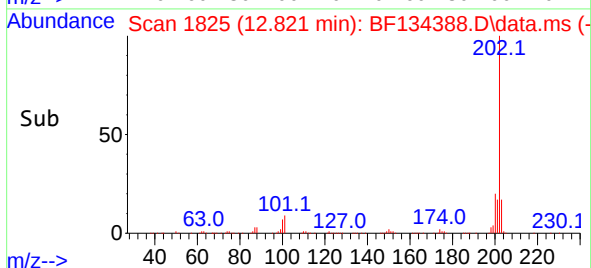
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

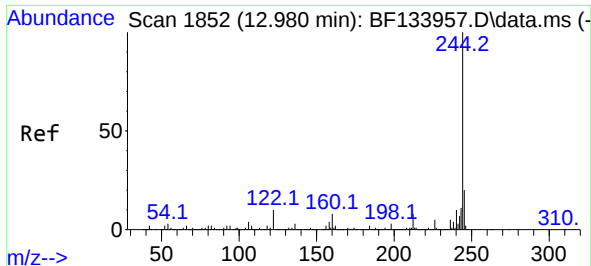


#78
Pyrene
Concen: 14.197 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47



Tgt Ion:202 Resp: 210288
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 16.9 14.3 21.5





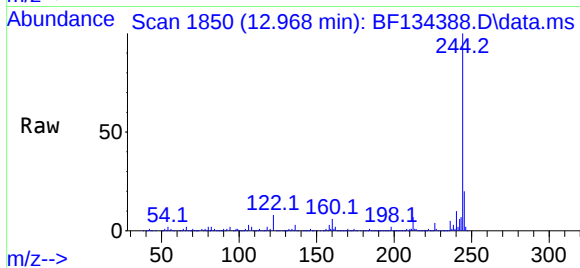
#79
 Terphenyl-d14
 Concen: 96.807 ng
 RT: 12.968 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134388.D
 Acq: 20 Jul 2023 18:47

Instrument :

BNA_F

ClientSampleId :

72-12016

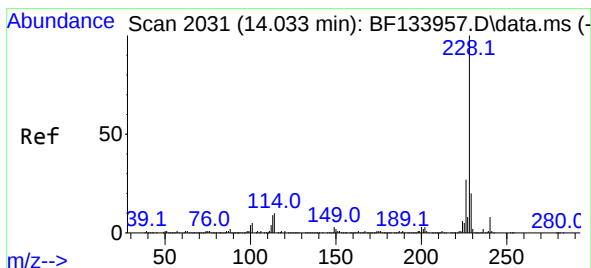
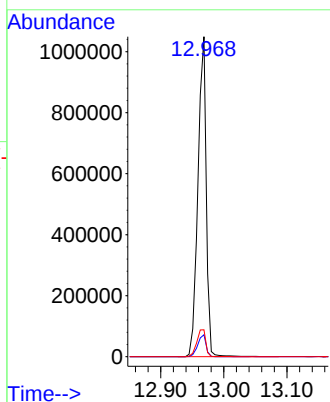
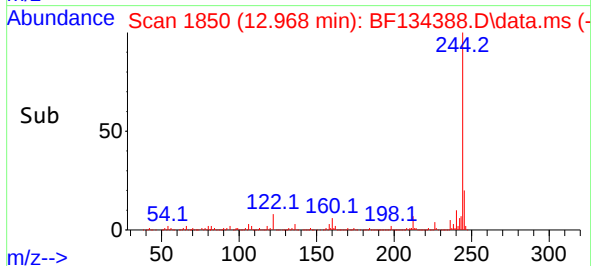


Tgt Ion:244 Resp: 957364
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 8.4 8.3 12.5

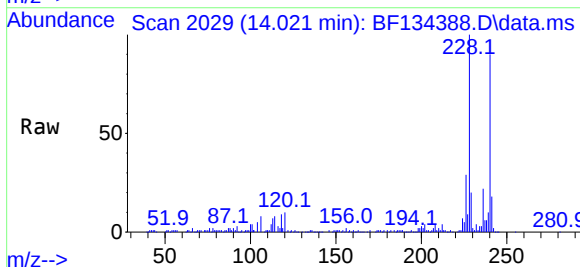
Manual Integrations

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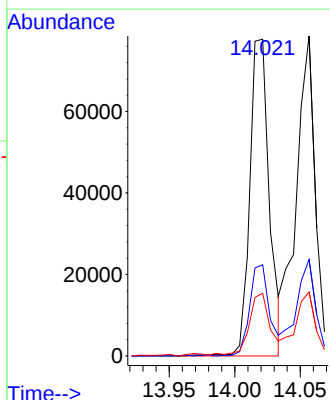
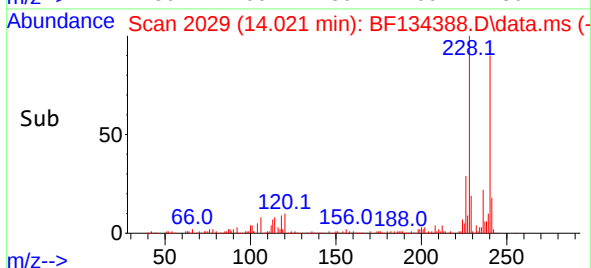
Reviewed By :Yogesh Patel 07/21/2023
 Supervised By :mohammad ahmed 07/21/2023

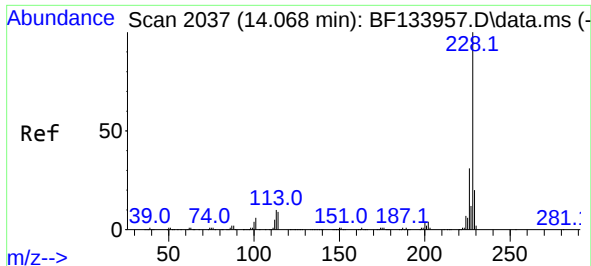


#81
 Benzo(a)anthracene
 Concen: 7.312 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134388.D
 Acq: 20 Jul 2023 18:47



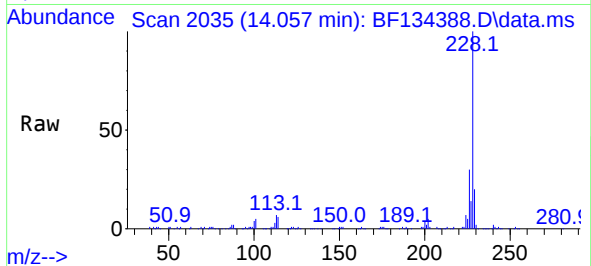
Tgt Ion:228 Resp: 80708
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.0 33.0
 229 19.8 16.3 24.5





#83
Chrysene
Concen: 7.567 ng
RT: 14.057 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

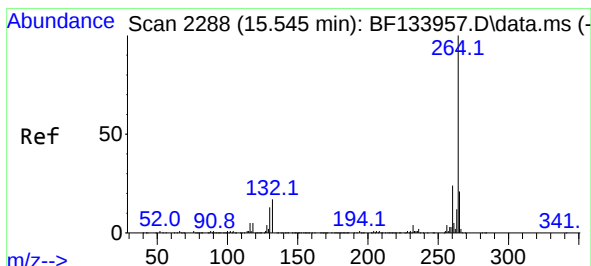
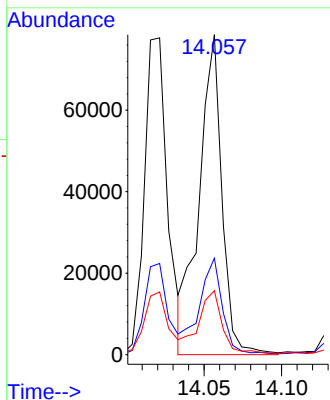
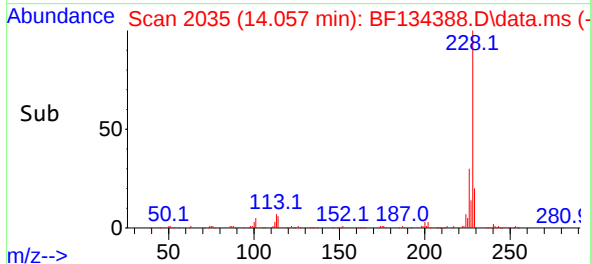
Instrument :
BNA_F
ClientSampleId :
72-12016



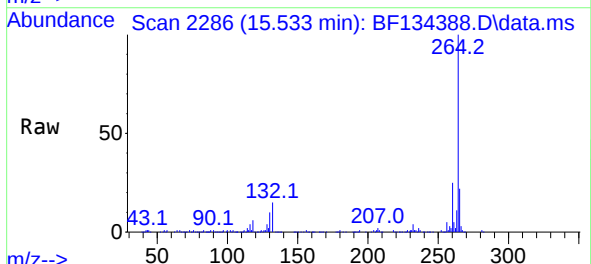
Tgt Ion:228 Resp: 8090
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 20.0 16.1 24.1

Manual Integrations
APPROVED

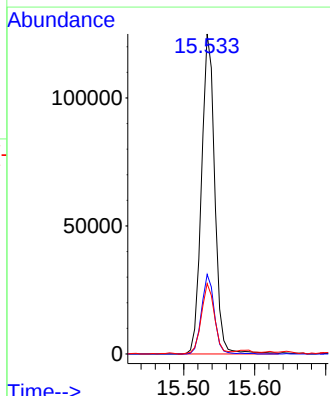
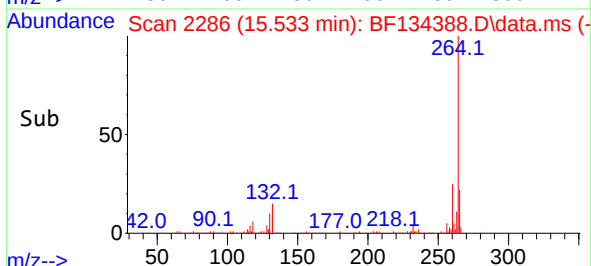
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023

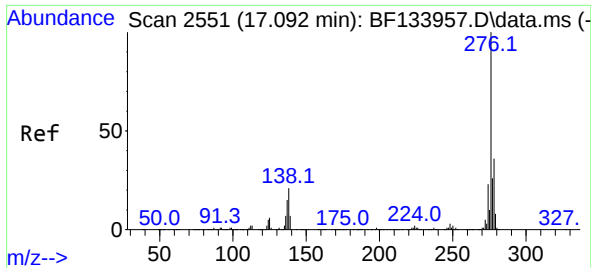


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47



Tgt Ion:264 Resp: 162718
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 22.0 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.187 ng
RT: 17.074 min Scan# 2111
Delta R.T. -0.024 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Instrument :

BNA_F

ClientSampleId :

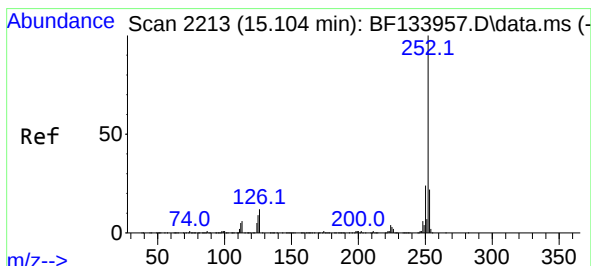
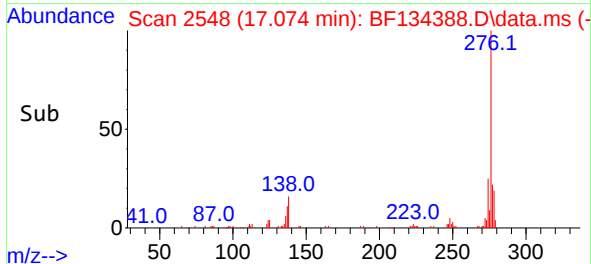
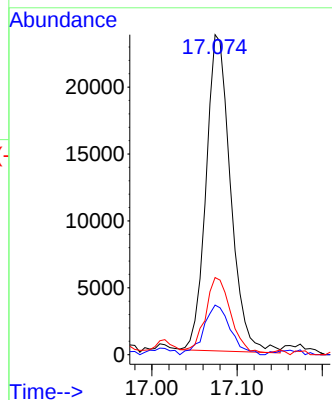
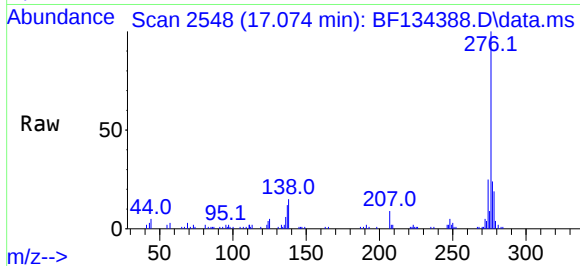
72-12016

Tgt Ion:276 Resp: 47270
Ion Ratio Lower Upper
276 100
138 17.0 18.7 28.1
277 25.9 19.9 29.9

Manual Integrations

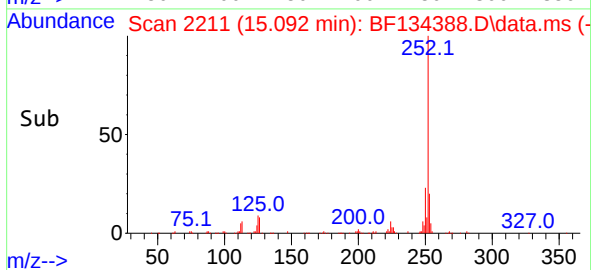
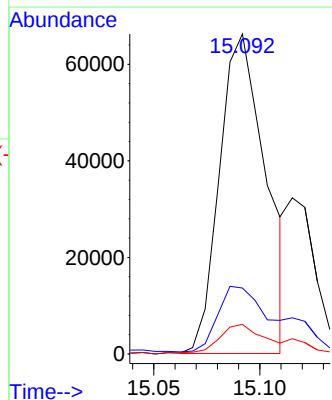
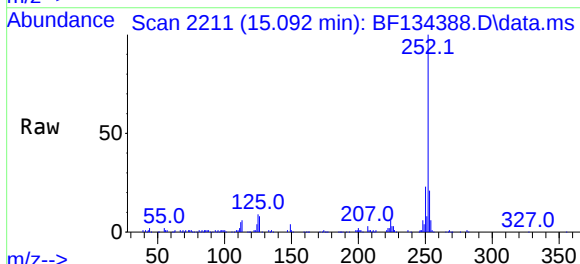
APPROVED

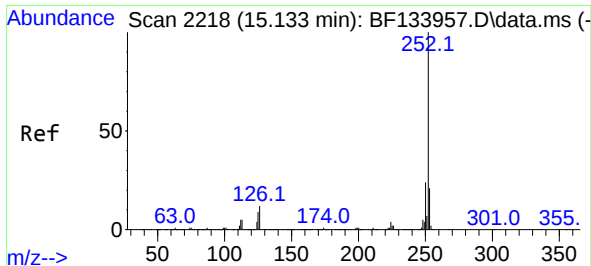
Reviewed By :Yogesh Patel 07/21/2023
Supervised By :mohammad ahmed 07/21/2023



#88
Benzo(b)fluoranthene
Concen: 10.498 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134388.D
Acq: 20 Jul 2023 18:47

Tgt Ion:252 Resp: 100443
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.0
125 9.3 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 3.170 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134388.D

Acq: 20 Jul 2023 18:47

Instrument :

BNA_F

ClientSampleId :

72-12016

Tgt Ion:252 Resp: 3087

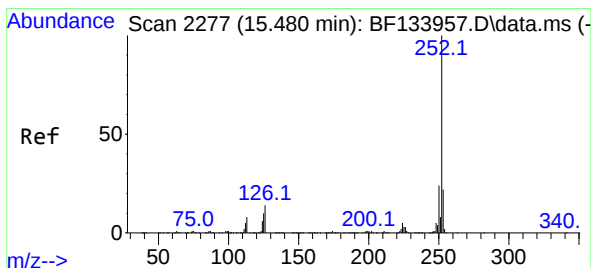
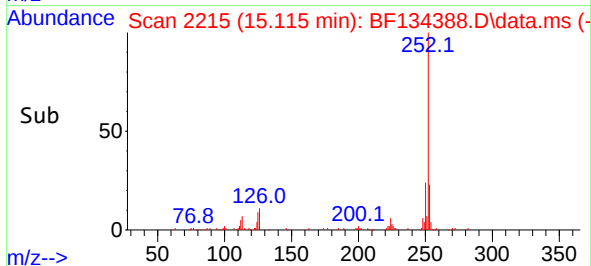
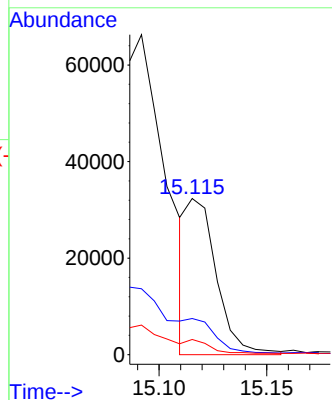
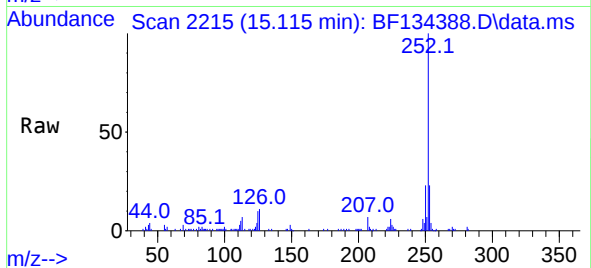
Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.9	25.3
125	9.7	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/21/2023

Supervised By :mohammad ahmed 07/21/2023



#90

Benzo(a)pyrene

Concen: 7.535 ng m

RT: 15.468 min Scan# 2275

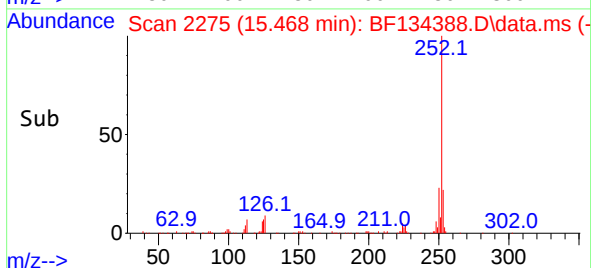
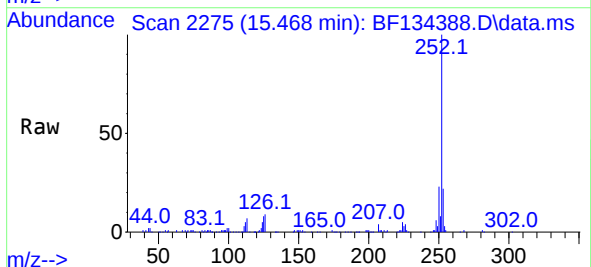
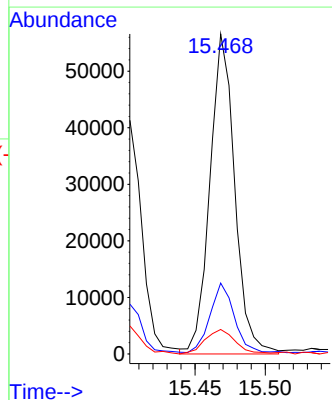
Delta R.T. -0.012 min

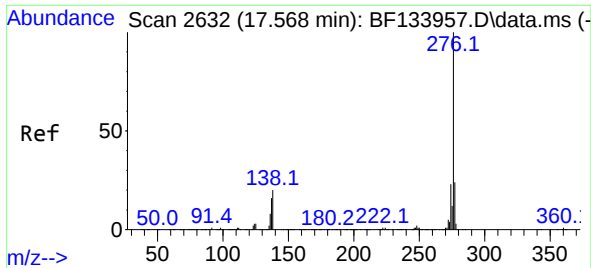
Lab File: BF134388.D

Acq: 20 Jul 2023 18:47

Tgt Ion:252 Resp: 69714

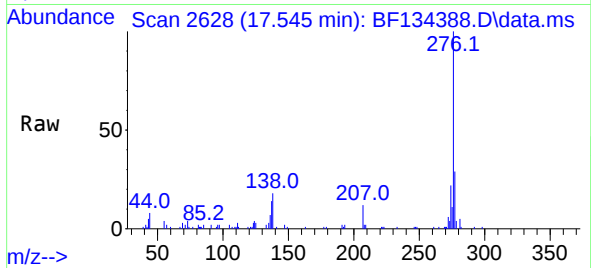
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	7.6	8.4	12.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.779 ng m
 RT: 17.545 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF134388.D
 Acq: 20 Jul 2023 18:47

Instrument :
 BNA_F
 ClientSampleId :
 72-12016



Tgt Ion: 276 Resp: 45449
 Ion Ratio Lower Upper
 276 100
 277 28.9 19.0 28.6
 138 17.8 16.2 24.2

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 07/21/2023
 Supervised By : mohammad ahmed 07/21/2023

