

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134323.D
 Acq On : 17 Jul 2023 19:15
 Operator : CG\JU
 Sample : 03597-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-51-(0-2)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 18 01:15:51 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	6.839	152	72948	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	276182	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	127608	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	215913	20.000	ng	0.00
76) Chrysene-d12	14.027	240	144722	20.000	ng	-0.01
86) Perylene-d12	15.533	264	111063	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	355222	81.456	ng	0.00
7) Phenol-d6	6.475	99	432193	80.587	ng	-0.01
23) Nitrobenzene-d5	7.398	82	291113	56.820	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	126614	79.136	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	547211	62.346	ng	-0.01
79) Terphenyl-d14	12.963	244	487316	54.193	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	75959	6.988	ng	100
75) Fluoranthene	12.586	202	161621	13.754	ng	99
78) Pyrene	12.821	202	151459	11.246	ng	99
81) Benzo(a)anthracene	14.021	228	67958m	6.771	ng	
83) Chrysene	14.057	228	69154	7.114	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	24605	4.239	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.068	276	28390	3.684	ng	94
88) Benzo(b)fluoranthene	15.086	252	74647m	11.430	ng	
89) Benzo(k)fluoranthene	15.115	252	19920m	2.996	ng	
90) Benzo(a)pyrene	15.468	252	46690	7.393	ng	96
92) Benzo(g,h,i)perylene	17.539	276	28156	4.337	ng	96

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

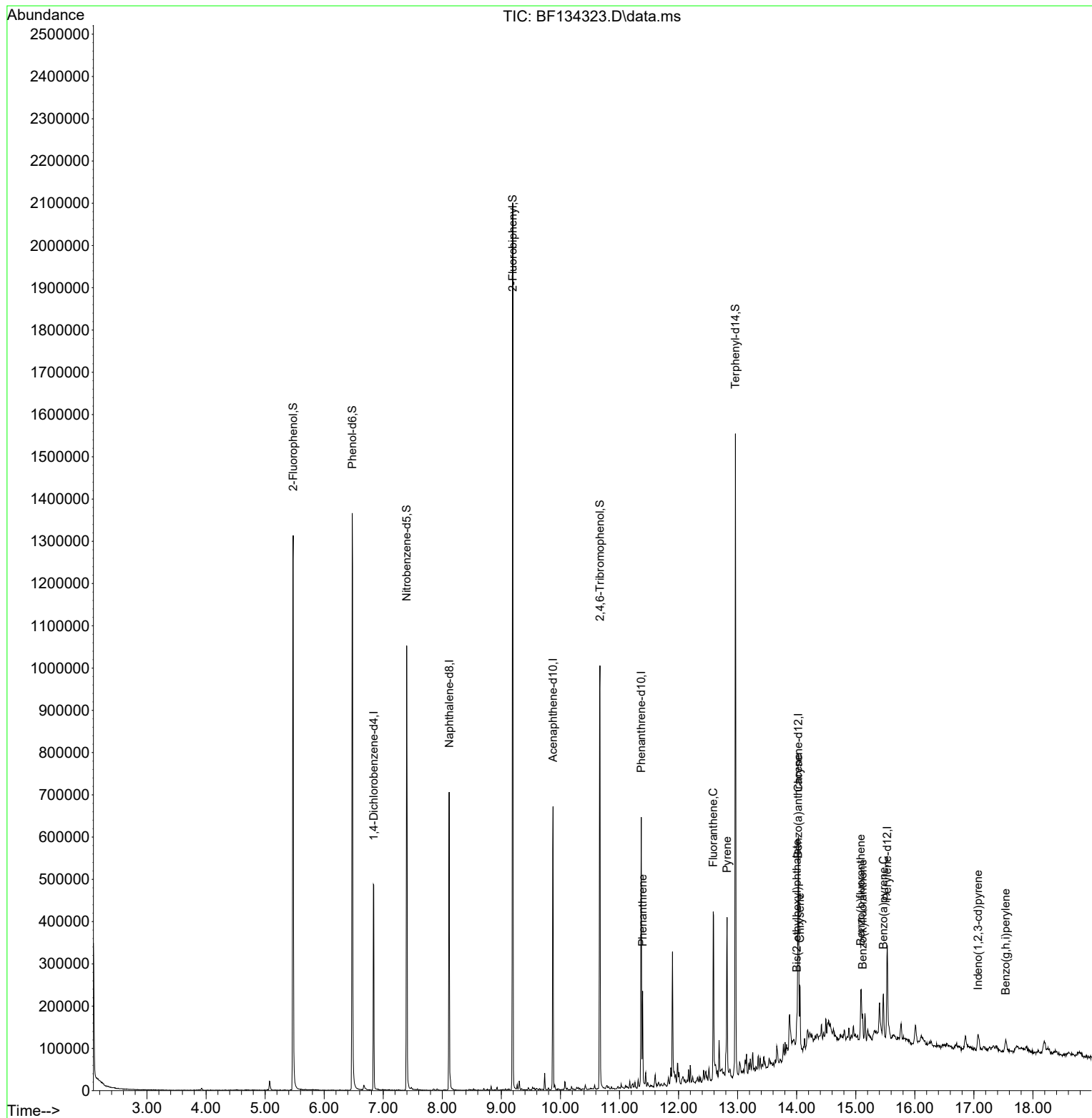
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134323.D
Acq On : 17 Jul 2023 19:15
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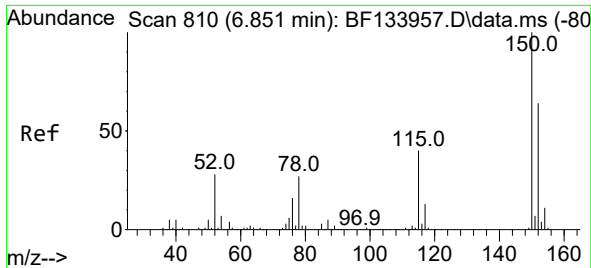
Instrument :
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Quant Time: Jul 18 01:15:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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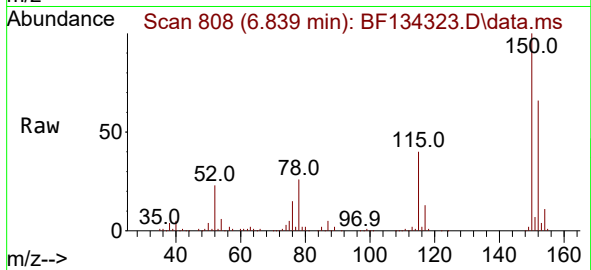
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

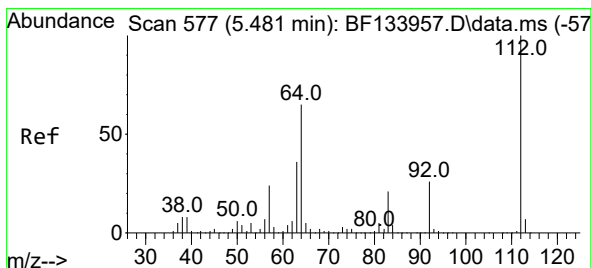
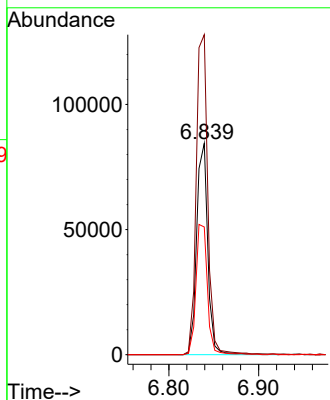
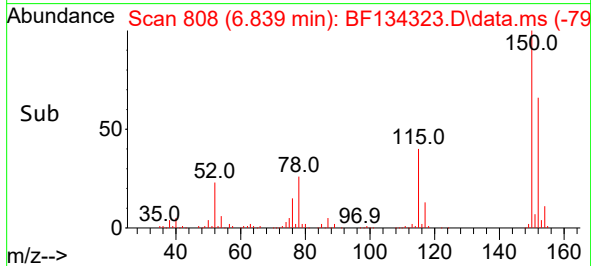
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)



Tgt Ion:152 Resp: 72948
Ion Ratio Lower Upper
152 100
150 151.4 124.5 186.7
115 60.5 50.2 75.2

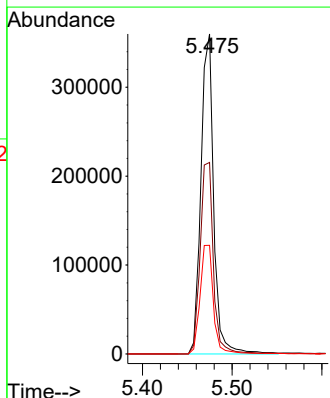
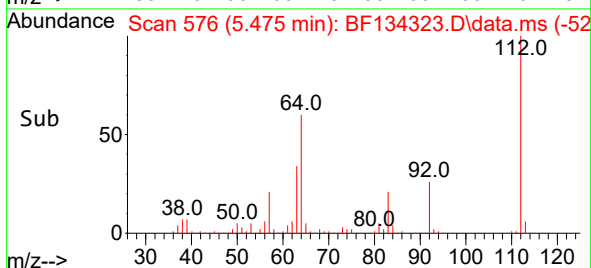
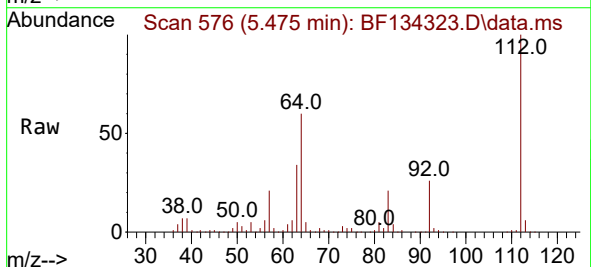
Manual Integrations
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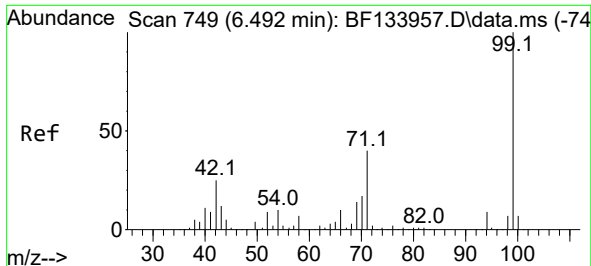
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 81.456 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

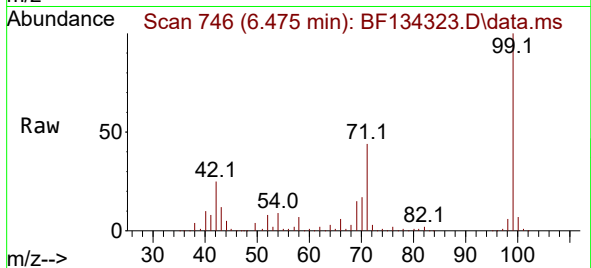
Tgt Ion:112 Resp: 355222
Ion Ratio Lower Upper
112 100
64 59.8 52.1 78.1
63 33.9 28.6 42.8





#7
Phenol-d6
Concen: 80.587 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

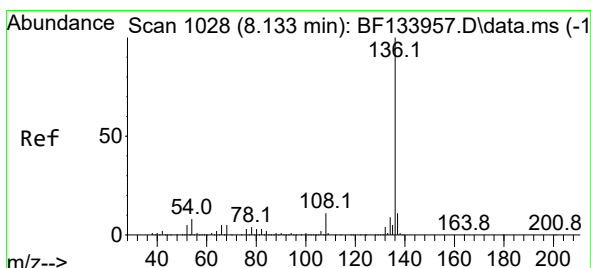
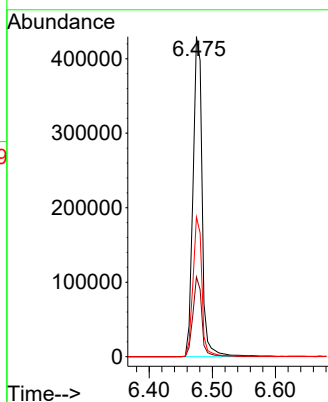
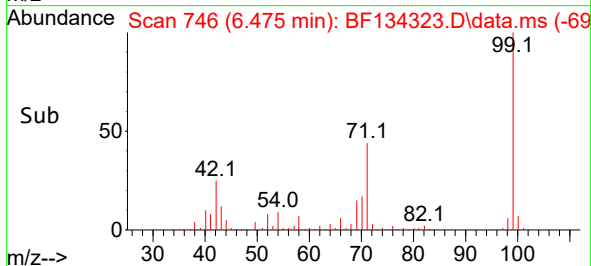
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)



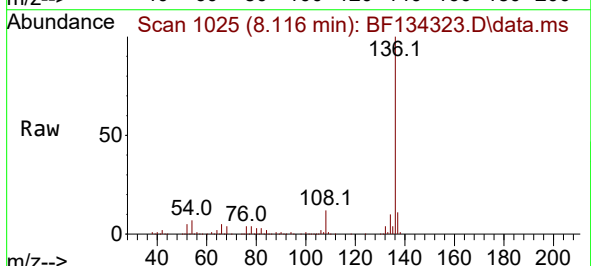
Tgt Ion: 99 Resp: 43219
Ion Ratio Lower Upper
99 100
42 24.9 19.8 29.6
71 43.7 31.9 47.9

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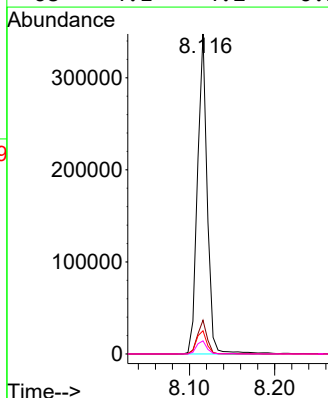
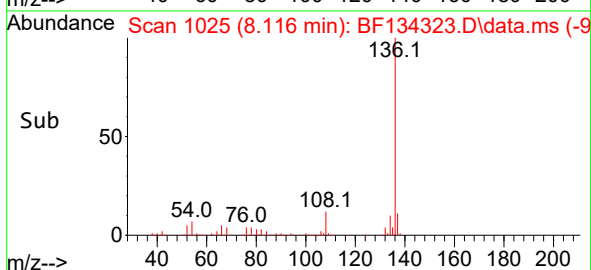
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

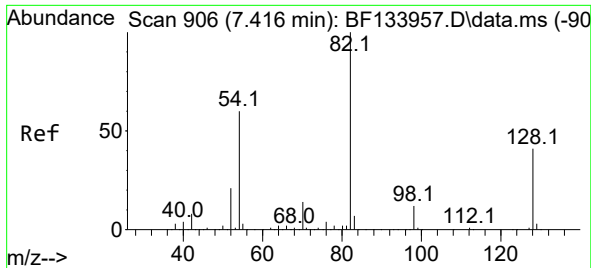


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15



Tgt Ion:136 Resp: 276182
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.2 6.5 9.7
68 4.1 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 56.820 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

Tgt Ion: 82 Resp: 29111

Ion Ratio Lower Upper

82 100

128 41.2 32.5 48.7

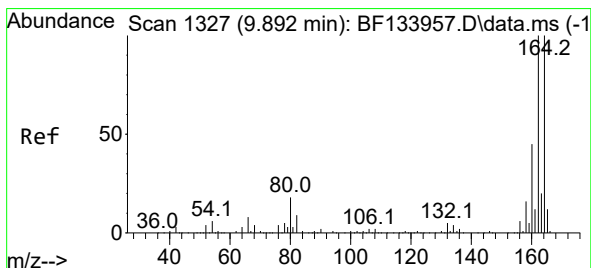
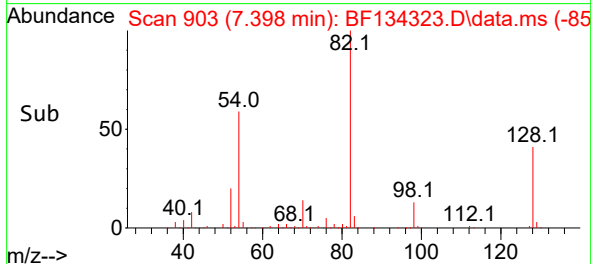
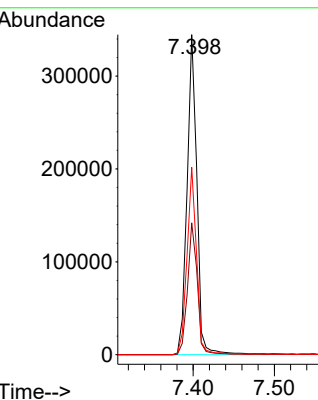
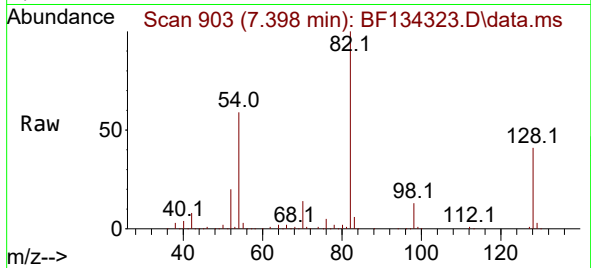
54 58.5 48.2 72.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

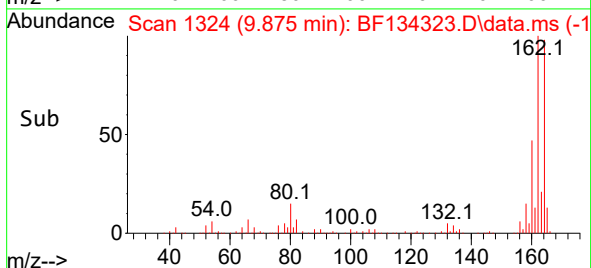
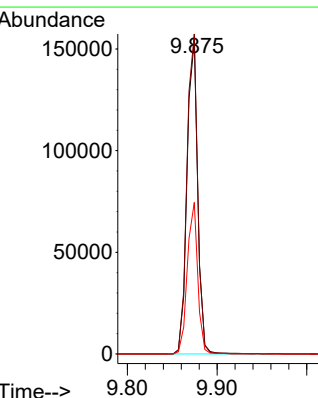
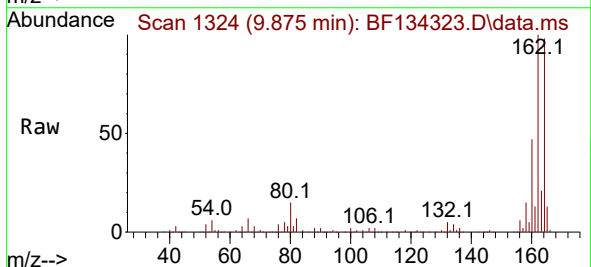
Tgt Ion:164 Resp: 127608

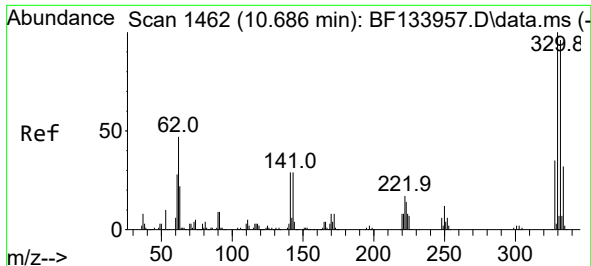
Ion Ratio Lower Upper

164 100

162 102.0 80.0 120.0

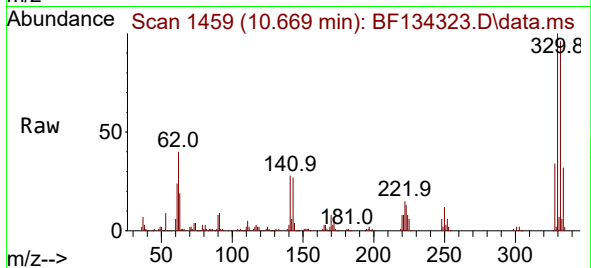
160 48.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 79.136 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

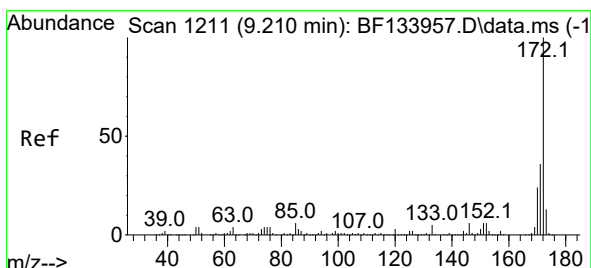
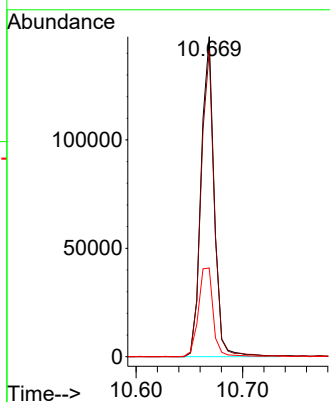
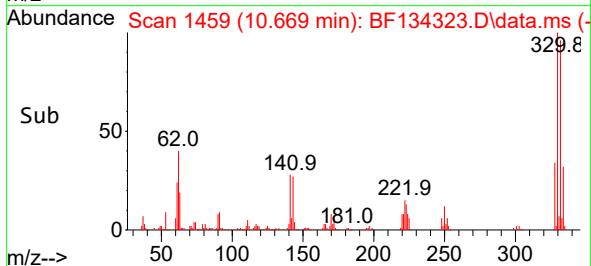
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)



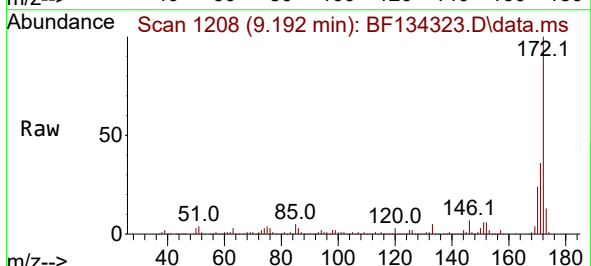
Tgt Ion:330 Resp: 126614
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 31.4 26.3 39.5

Manual Integrations
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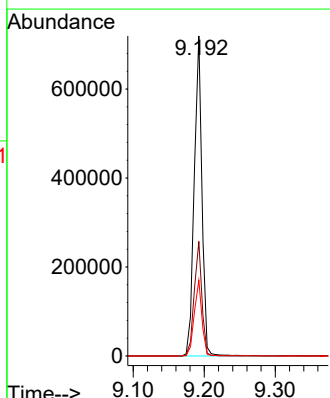
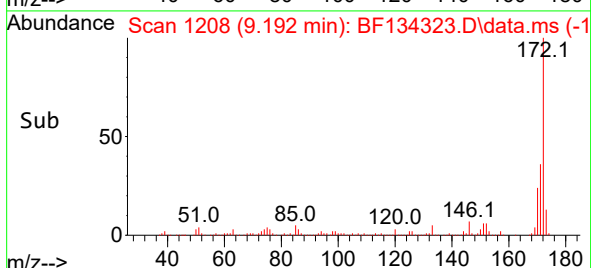
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

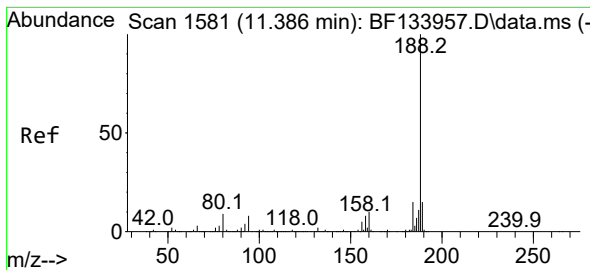


#45
2-Fluorobiphenyl
Concen: 62.346 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15



Tgt Ion:172 Resp: 547211
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.6 19.4 29.0





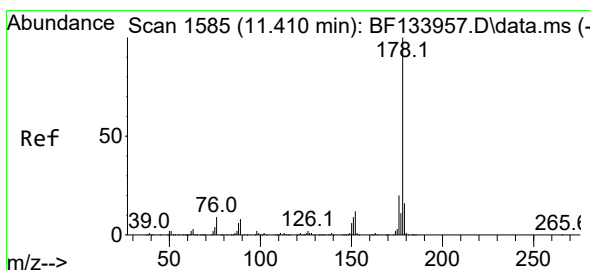
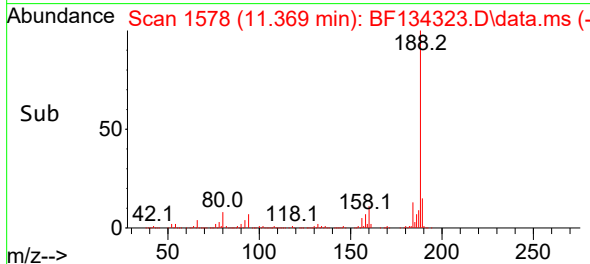
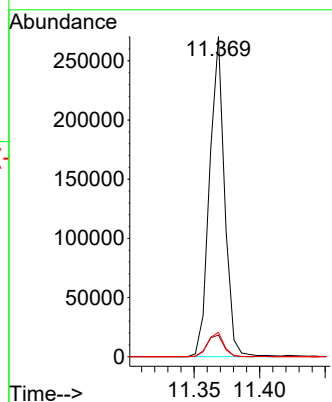
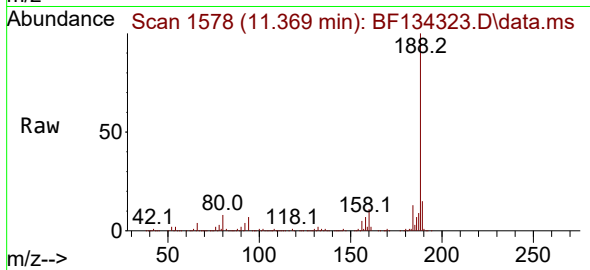
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

Tgt Ion:188 Resp: 21591
Ion Ratio Lower Upper
188 100
94 6.8 6.4 9.6
80 7.6 7.3 10.9

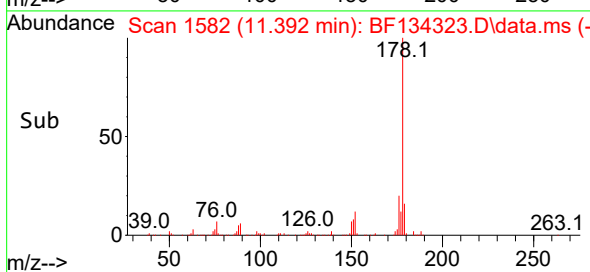
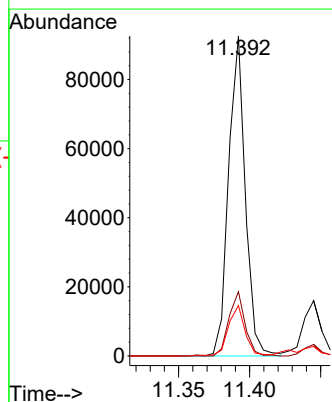
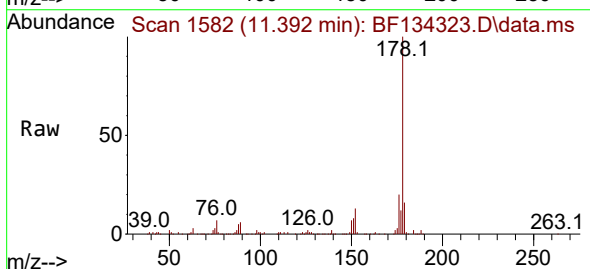
Manual Integrations
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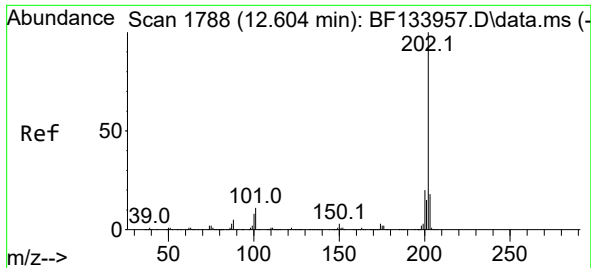
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 6.988 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

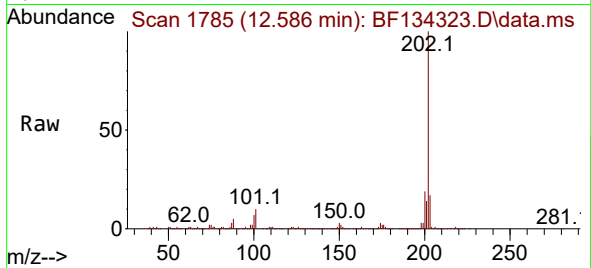
Tgt Ion:178 Resp: 75959
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 15.8 12.4 18.6





#75
Fluoranthene
Concen: 13.754 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

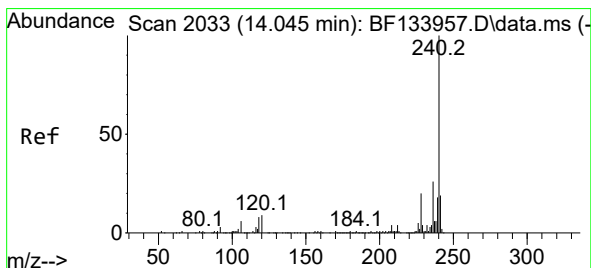
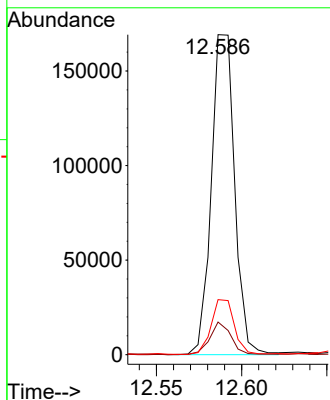
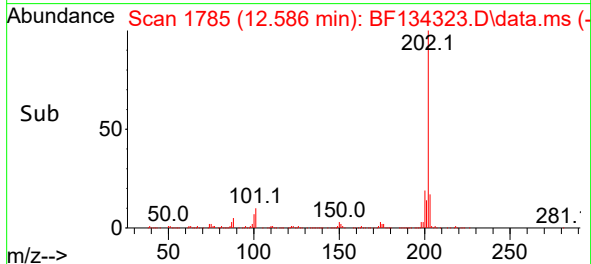
Instrument :
BNA_F
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RB-51-(0-2)



Tgt Ion:202 Resp: 16162
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.0
203 17.2 0.0 37.6

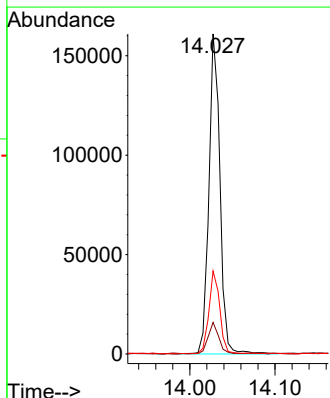
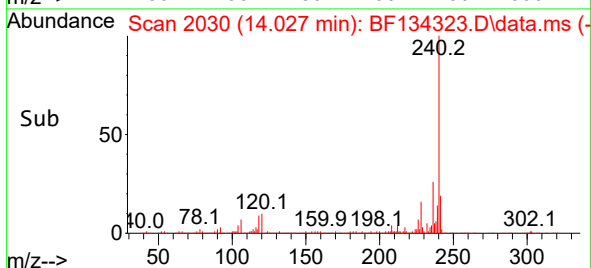
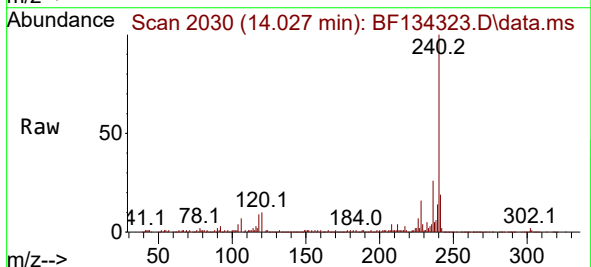
Manual Integrations
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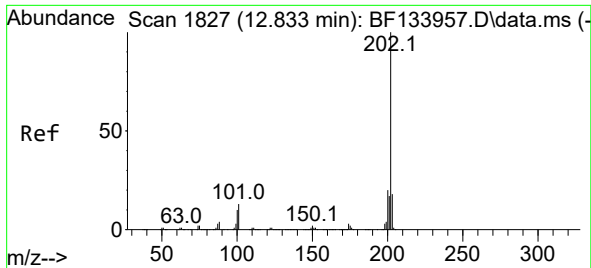
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

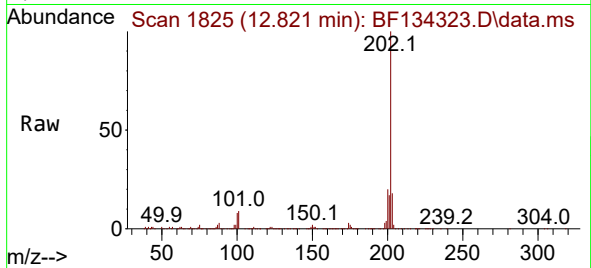
Tgt Ion:240 Resp: 144722
Ion Ratio Lower Upper
240 100
120 9.9 7.4 11.0
236 25.9 21.0 31.6





#78
Pyrene
Concen: 11.246 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

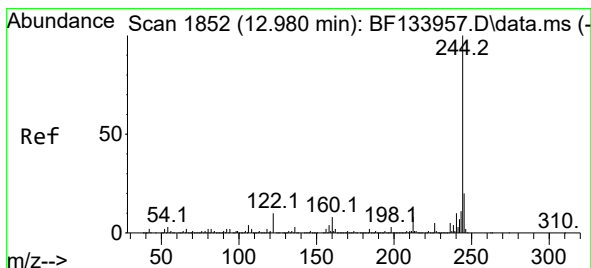
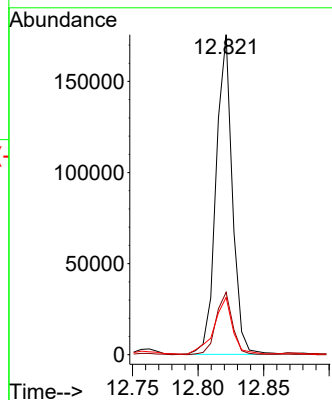
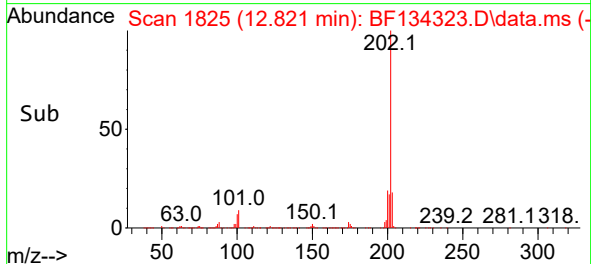
Instrument :
BNA_F
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RB-51-(0-2)



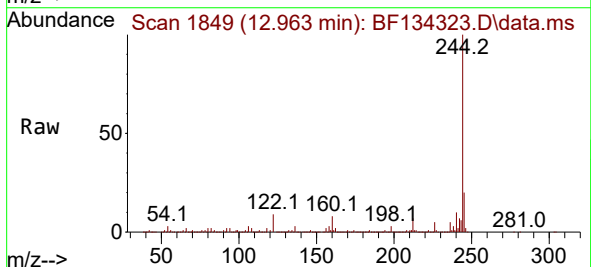
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Ion Ratio Lower Upper
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200 19.5 16.1 24.1
203 17.9 14.3 21.5

Manual Integrations
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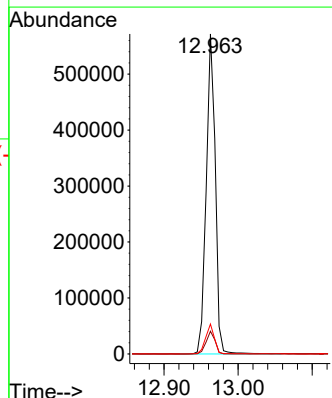
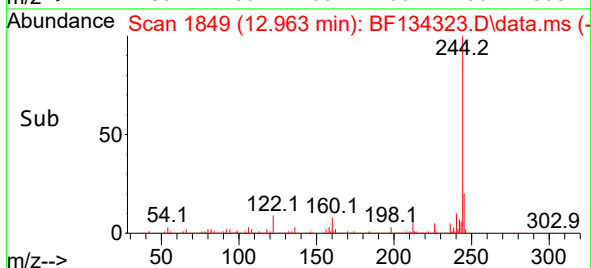
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

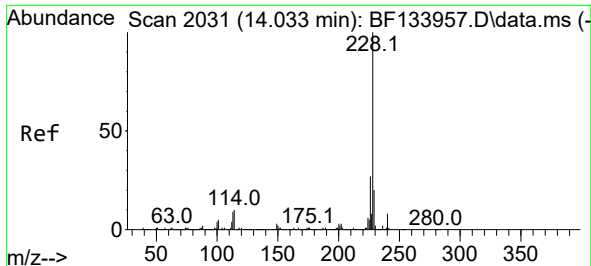


#79
Terphenyl-d14
Concen: 54.193 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15



Tgt Ion:244 Resp: 487316
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 9.4 8.3 12.5





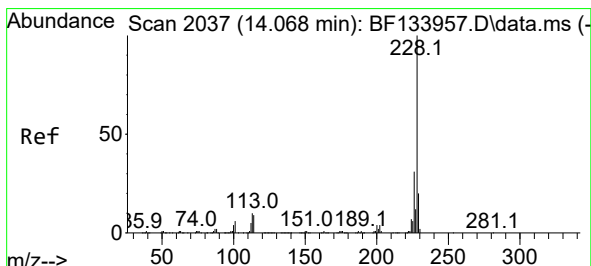
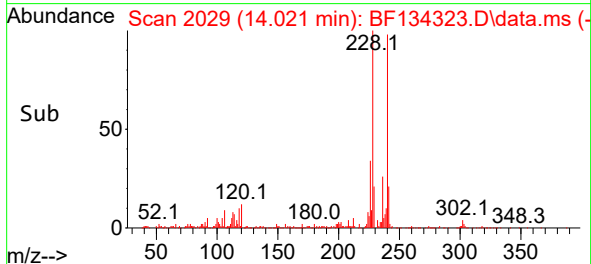
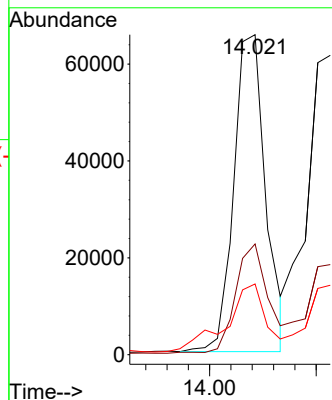
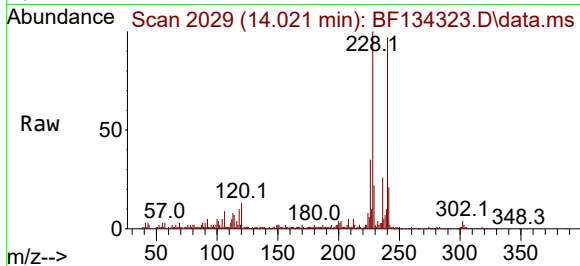
#81
Benzo(a)anthracene
Concen: 6.771 ng m
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

Tgt Ion:228 Resp: 67958
Ion Ratio Lower Upper
228 100
226 34.6 22.0 33.0
229 22.1 16.3 24.5

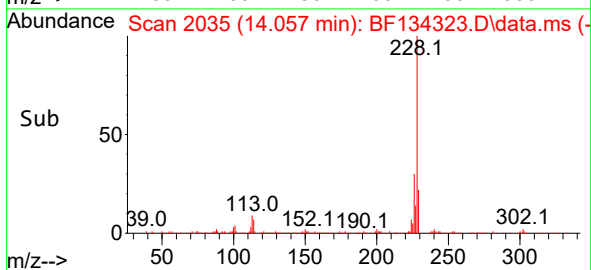
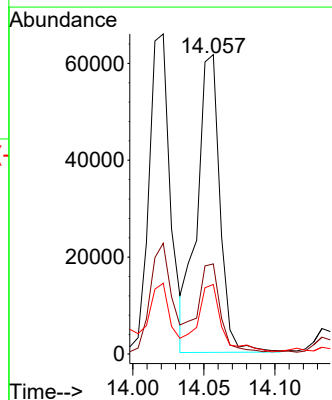
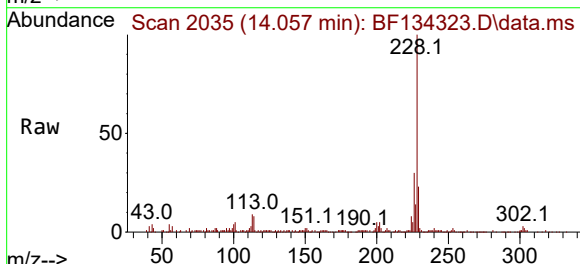
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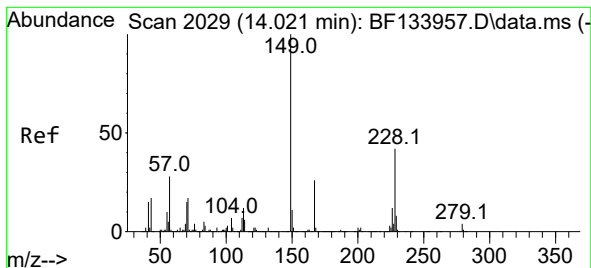
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#83
Chrysene
Concen: 7.114 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

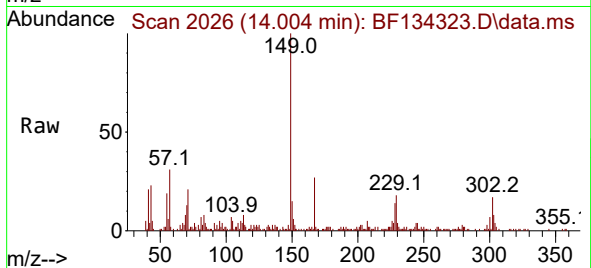
Tgt Ion:228 Resp: 69154
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 23.2 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.239 ng
RT: 14.004 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

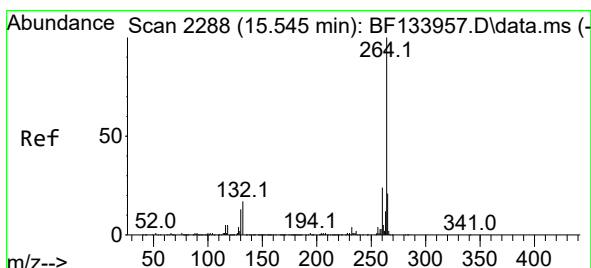
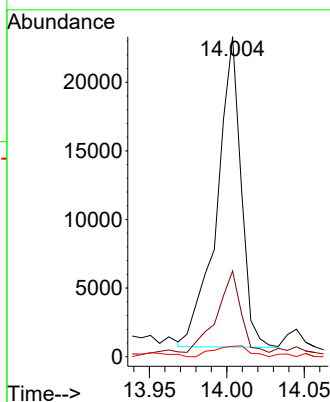
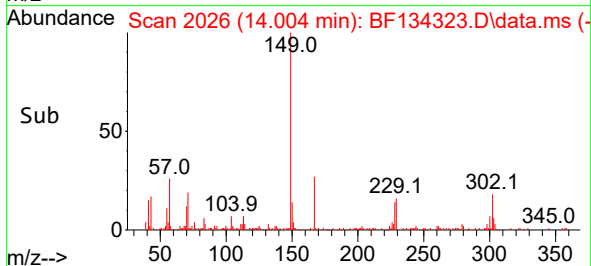
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)



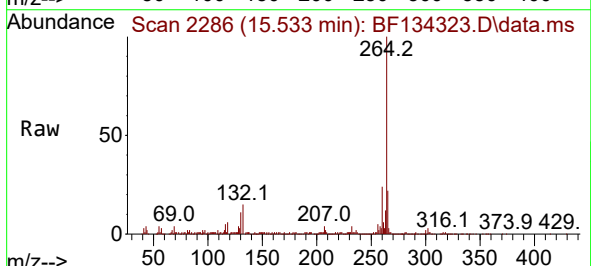
Tgt Ion:149 Resp: 2460
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.4
279 3.3 3.3 4.9

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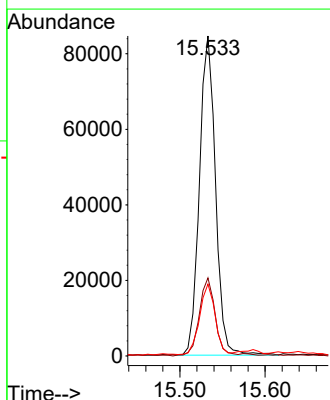
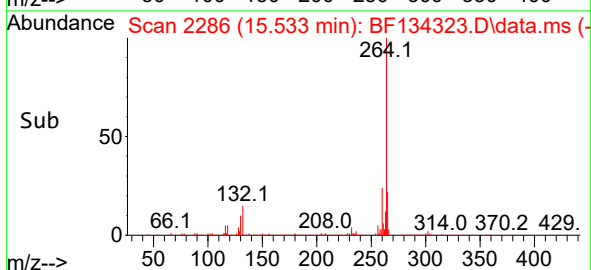
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

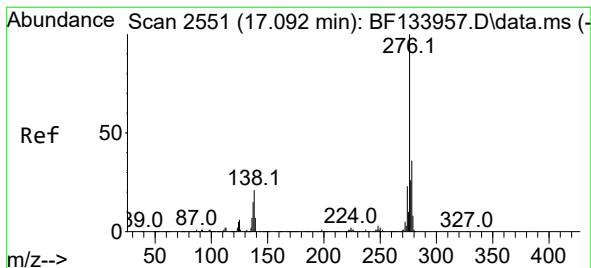


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15



Tgt Ion:264 Resp: 111063
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.684 ng

RT: 17.068 min Scan# 2110

Delta R.T. -0.029 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

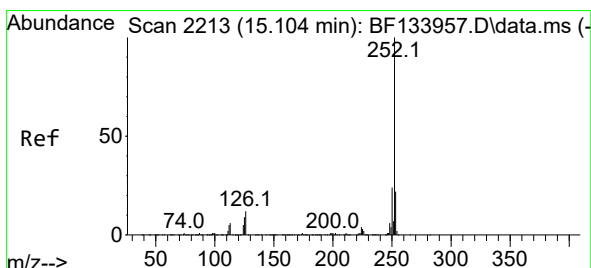
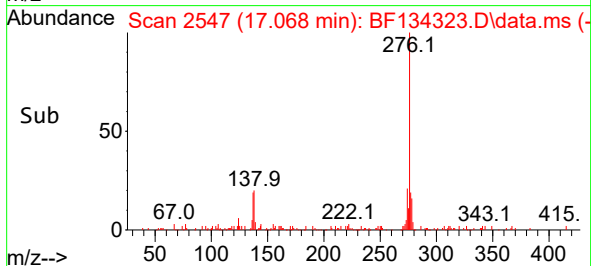
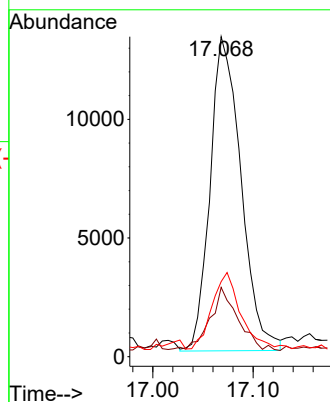
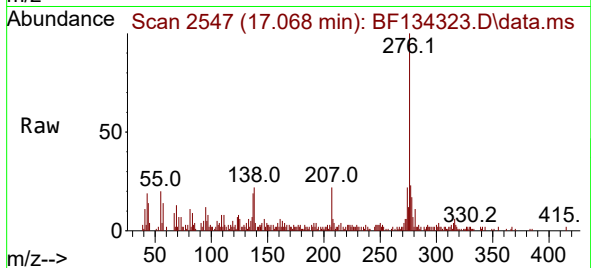
Tgt Ion:	276	Resp:	28390
Ion Ratio	Lower	Upper	
276	100		
138	19.6	18.7	28.1
277	22.6	19.9	29.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#88

Benzo(b)fluoranthene

Concen: 11.430 ng m

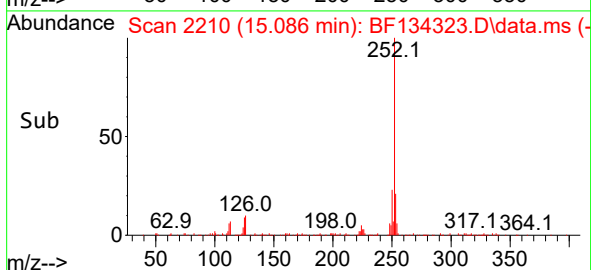
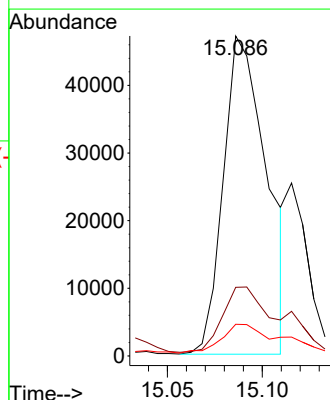
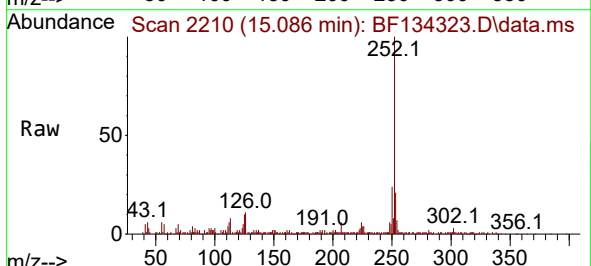
RT: 15.086 min Scan# 2210

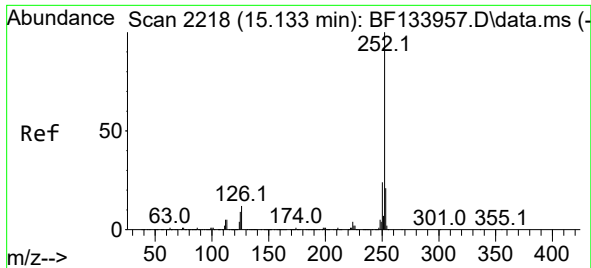
Delta R.T. -0.018 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

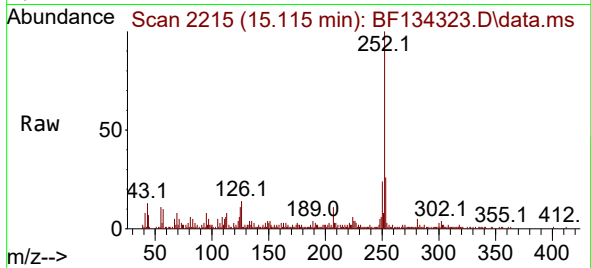
Tgt Ion:	252	Resp:	74647
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.0
125	9.9	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 2.996 ng m
RT: 15.115 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

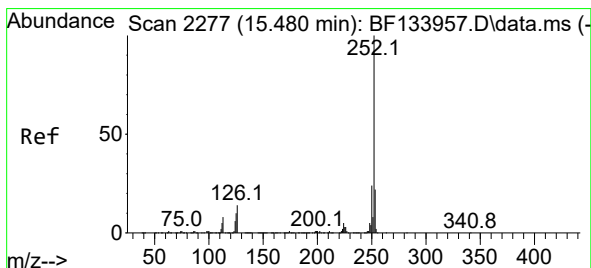
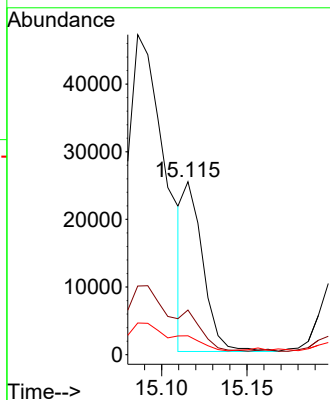
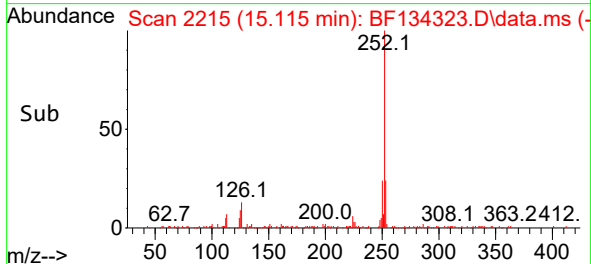
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)



Tgt Ion:252 Resp: 19920
Ion Ratio Lower Upper
252 100
253 25.8 16.9 25.3
125 10.9 7.4 11.2

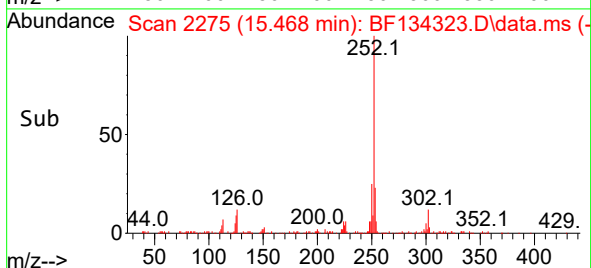
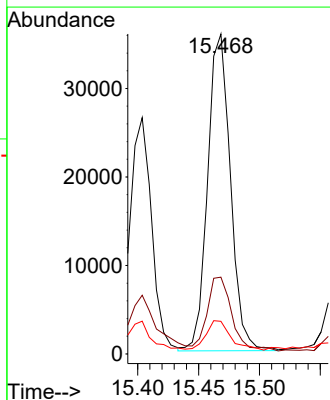
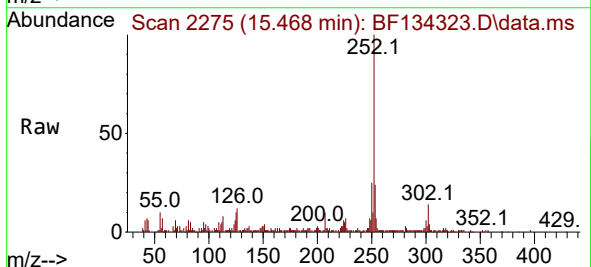
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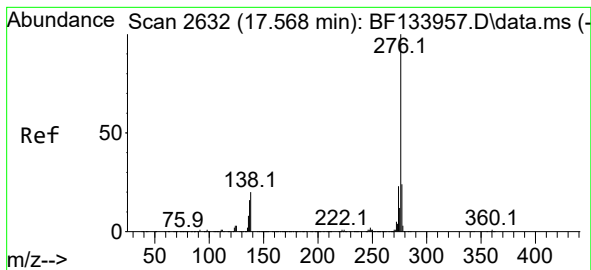
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#90
Benzo(a)pyrene
Concen: 7.393 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

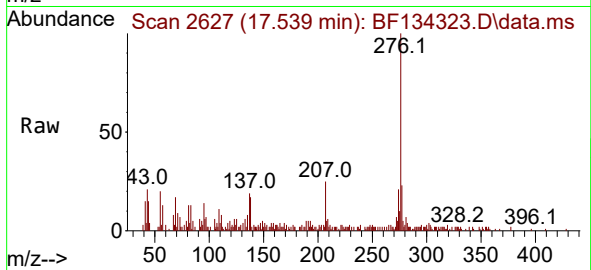
Tgt Ion:252 Resp: 46690
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 10.2 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.337 ng
 RT: 17.539 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF134323.D
 Acq: 17 Jul 2023 19:15

Instrument :
 BNA_F
 ClientSampleId :
 RB-51-(0-2)



Tgt Ion:276 Resp: 28150
 Ion Ratio Lower Upper
 276 100
 277 22.6 19.0 28.6
 138 17.1 16.2 24.2

Manual Integrations
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Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

