

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134317.D
 Acq On : 17 Jul 2023 15:50
 Operator : CG\JU
 Sample : 03601-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-1-071223

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 16:17:24 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	73607	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	274575	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	126854	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	215626	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	139440	20.000	ng	-0.01
86) Perylene-d12	15.539	264	107863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	408307	92.791	ng	0.00
7) Phenol-d6	6.475	99	477764	88.287	ng	-0.01
23) Nitrobenzene-d5	7.398	82	330648	64.914	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	135922	85.459	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	614343	70.411	ng	-0.01
79) Terphenyl-d14	12.963	244	600495	69.309	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	67649	6.232	ng	97
75) Fluoranthene	12.586	202	121487	10.352	ng	98
78) Pyrene	12.822	202	107518	8.285	ng	100
81) Benzo(a)anthracene	14.016	228	44299m	4.581	ng	
83) Chrysene	14.057	228	44954	4.799	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.086	276	17824	2.381	ng	94
88) Benzo(b)fluoranthene	15.092	252	42043m	6.629	ng	
89) Benzo(k)fluoranthene	15.121	252	13672m	2.117	ng	
90) Benzo(a)pyrene	15.468	252	29188	4.759	ng	# 80
92) Benzo(g,h,i)perylene	17.557	276	20277	3.216	ng	95

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

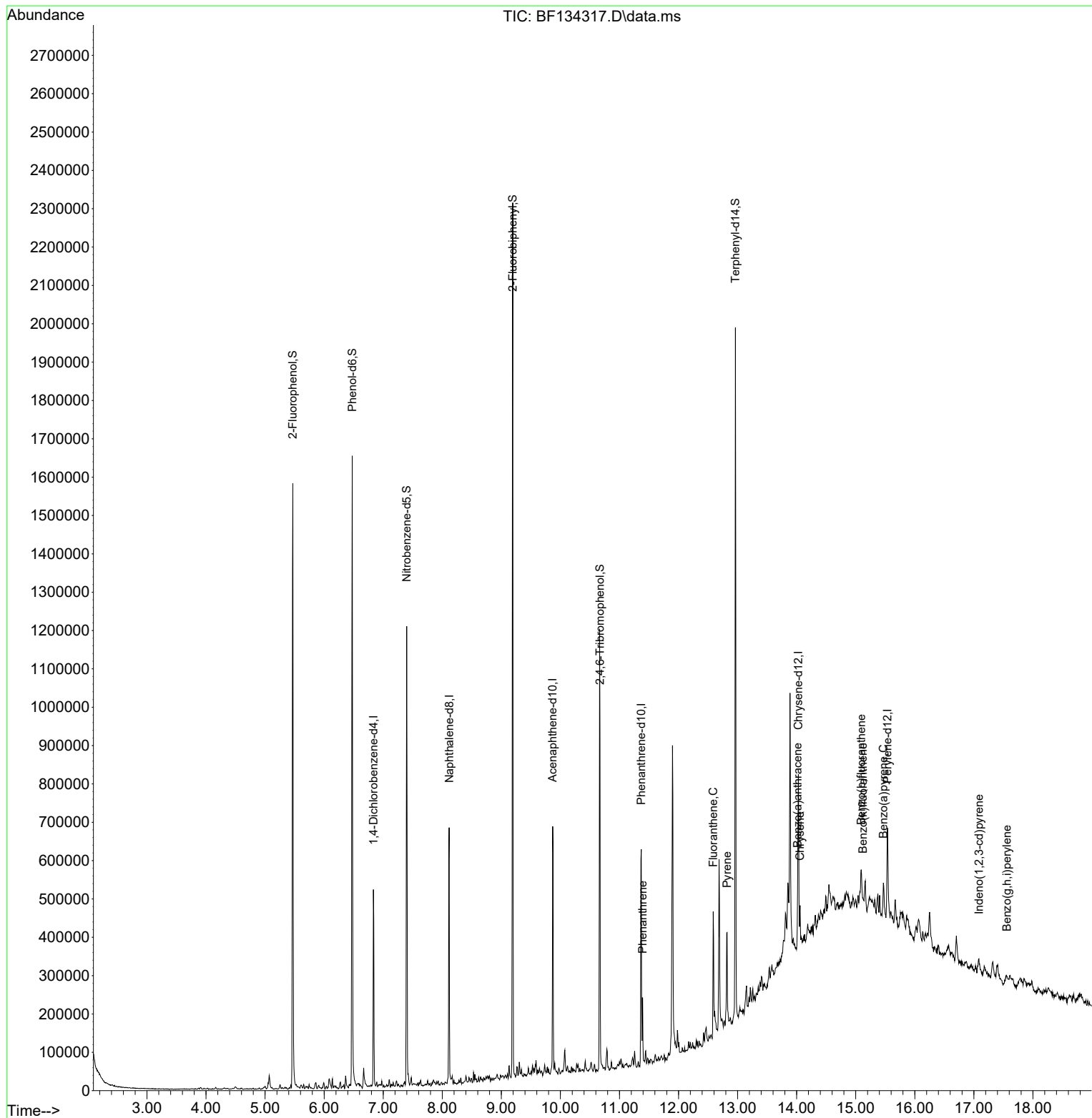
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134317.D
Acq On : 17 Jul 2023 15:50
Operator : CG\JU
Sample : 03601-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

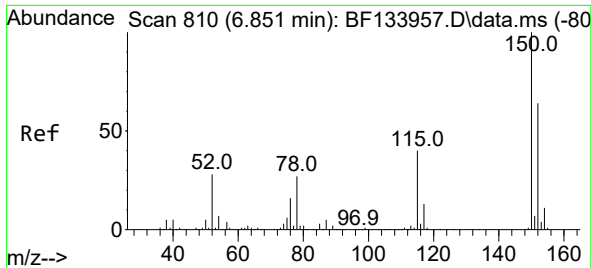
Instrument :
BNA_F
ClientSampleId :
HR-1-071223

Quant Time: Jul 17 16:17:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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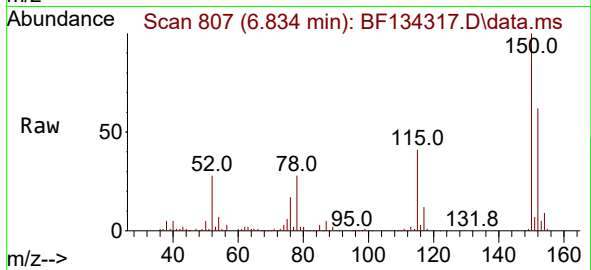
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

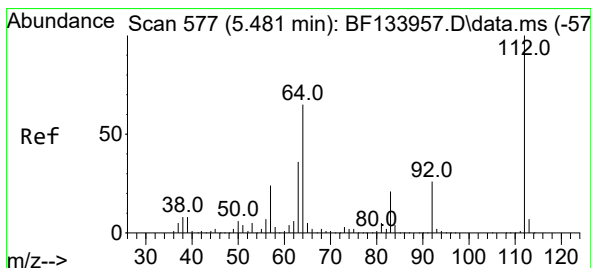
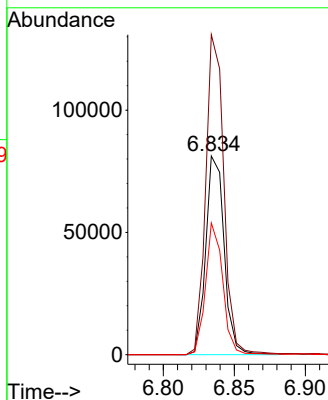
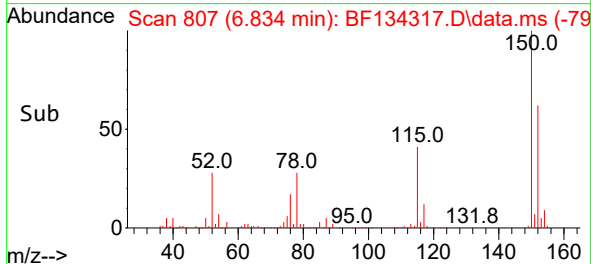
Instrument :
BNA_F
ClientSampleId :
HR-1-071223



Tgt Ion:152 Resp: 7360
Ion Ratio Lower Upper
152 100
150 161.0 124.5 186.7
115 66.2 50.2 75.2

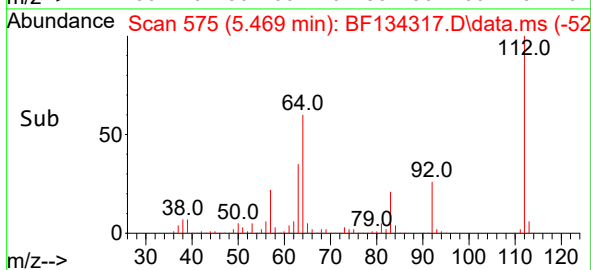
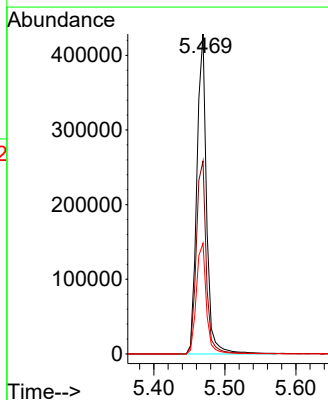
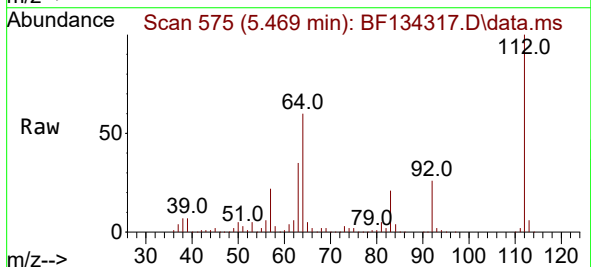
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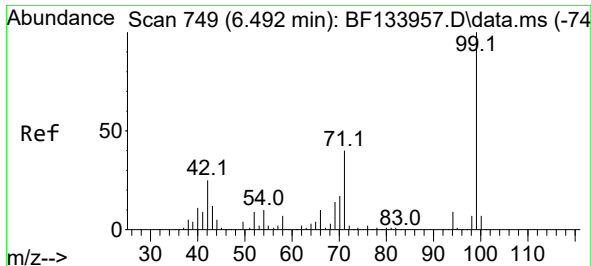
Reviewed By :Yogesh Patel 07/19/2023
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#5
2-Fluorophenol
Concen: 92.791 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

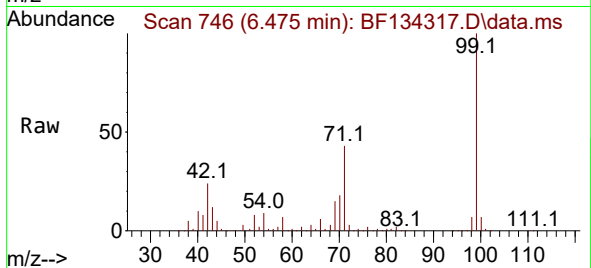
Tgt Ion:112 Resp: 408307
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 34.6 28.6 42.8





#7
Phenol-d6
Concen: 88.287 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

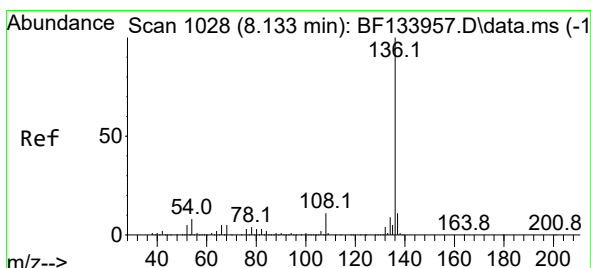
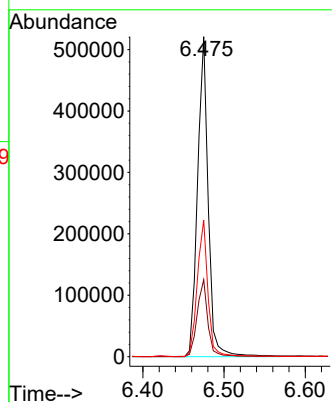
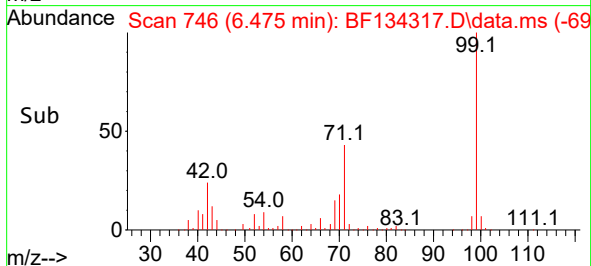
Instrument :
BNA_F
ClientSampleId :
HR-1-071223



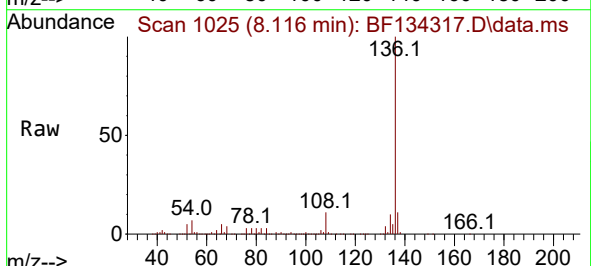
Tgt Ion: 99 Resp: 477764
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.6
71 42.7 31.9 47.9

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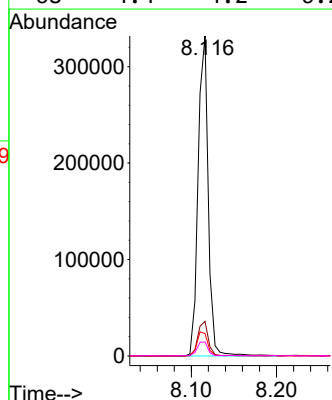
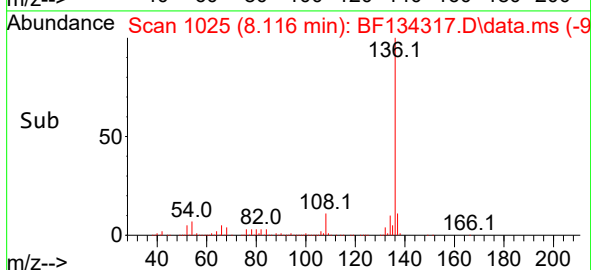
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

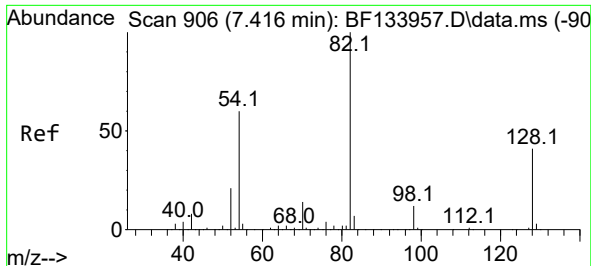


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50



Tgt Ion:136 Resp: 274575
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.0 6.5 9.7
68 4.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 64.914 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

Tgt Ion: 82 Resp: 330648

Ion Ratio Lower Upper

82 100

128 41.2 32.5 48.7

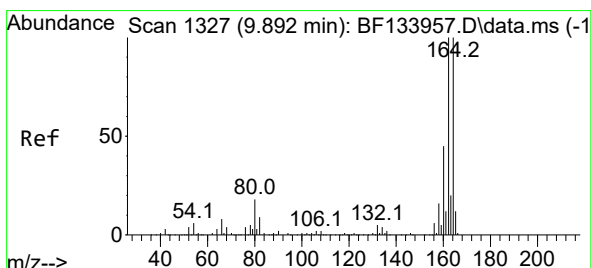
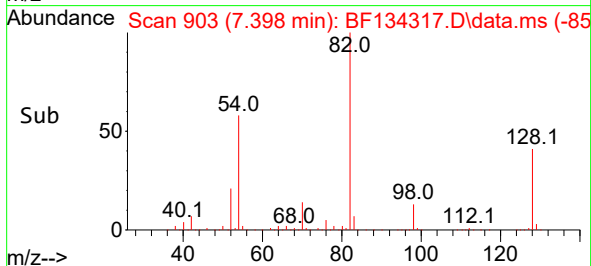
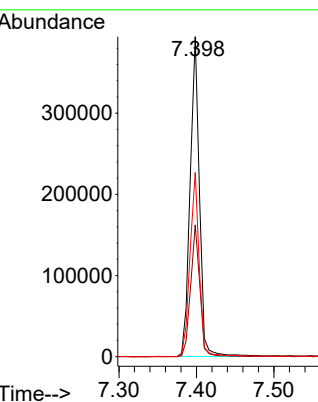
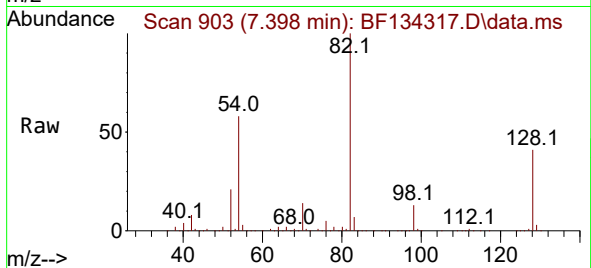
54 57.5 48.2 72.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

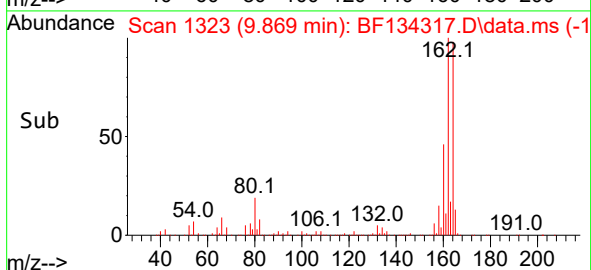
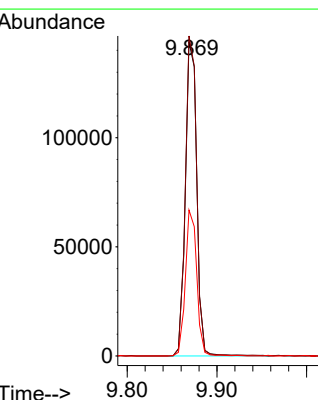
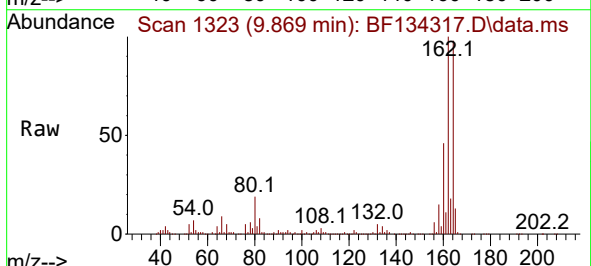
Tgt Ion:164 Resp: 126854

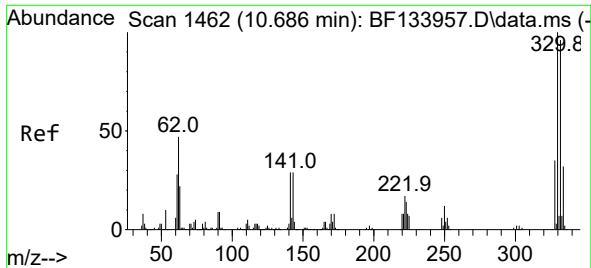
Ion Ratio Lower Upper

164 100

162 102.0 80.0 120.0

160 46.5 35.9 53.9





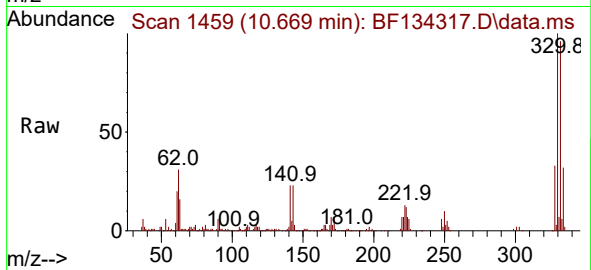
#42
2,4,6-Tribromophenol
Concen: 85.459 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223



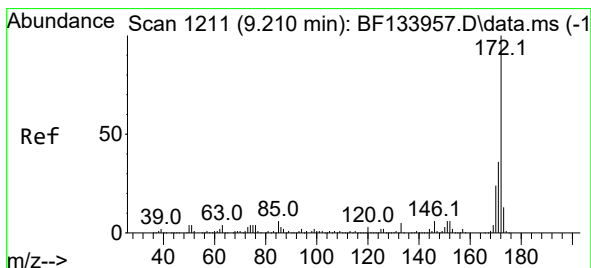
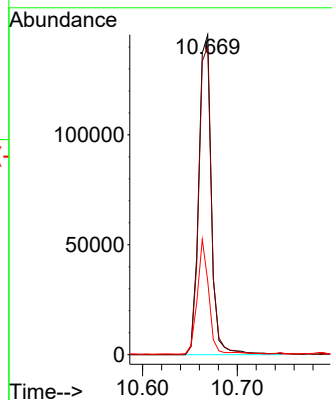
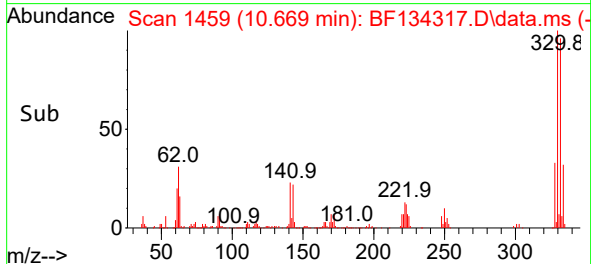
Tgt Ion:330 Resp: 135922
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 32.2 26.3 39.5

Manual Integrations

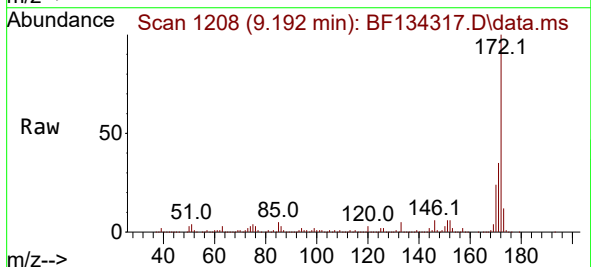
APPROVED

Reviewed By :Yogesh Patel 07/19/2023

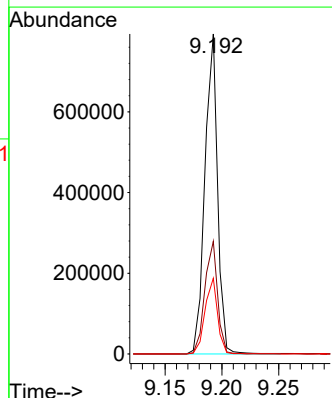
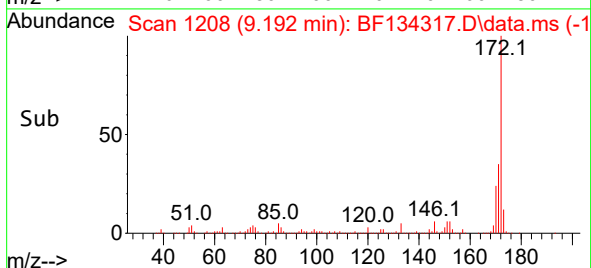
Supervised By :mohammad ahmed 07/19/2023

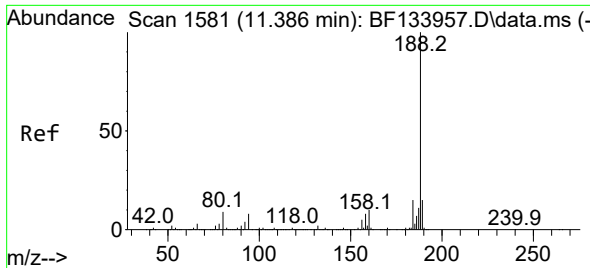


#45
2-Fluorobiphenyl
Concen: 70.411 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50



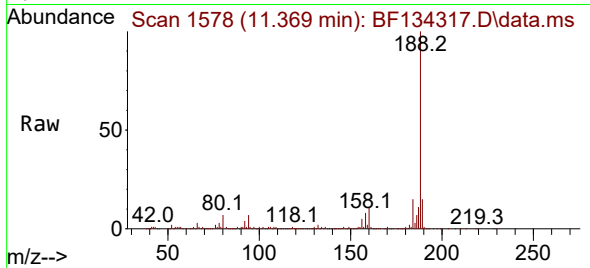
Tgt Ion:172 Resp: 614343
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.7 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

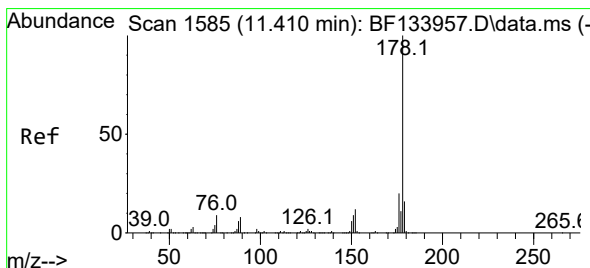
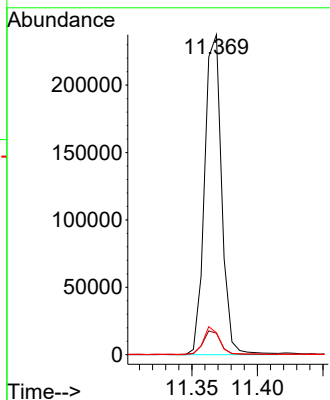
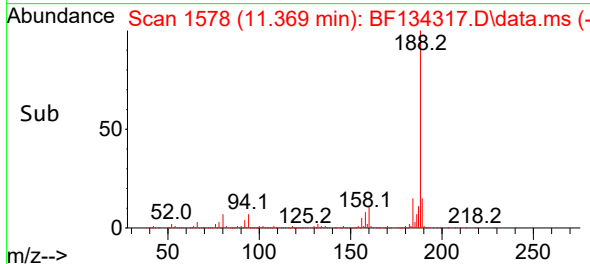
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BNA_F
ClientSampleId :
HR-1-071223



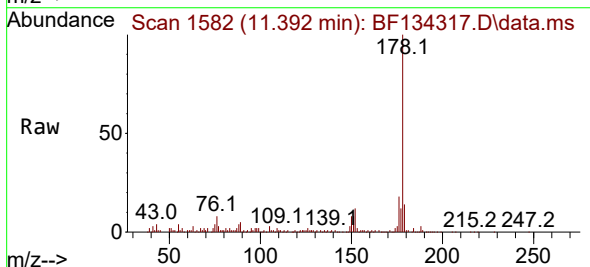
Tgt Ion:188 Resp: 215620
Ion Ratio Lower Upper
188 100
94 6.7 6.4 9.6
80 6.9 7.3 10.9

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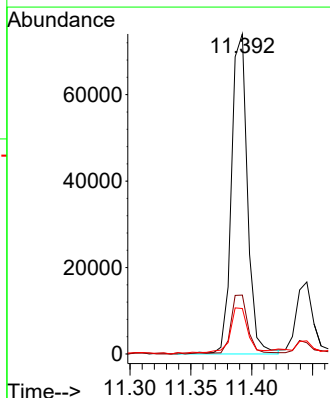
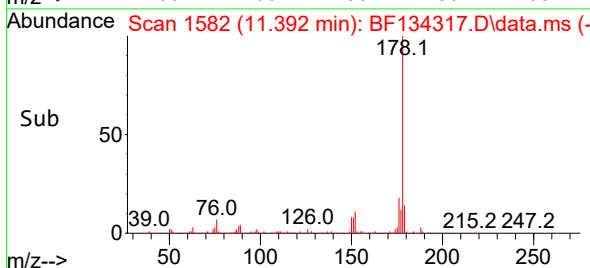
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

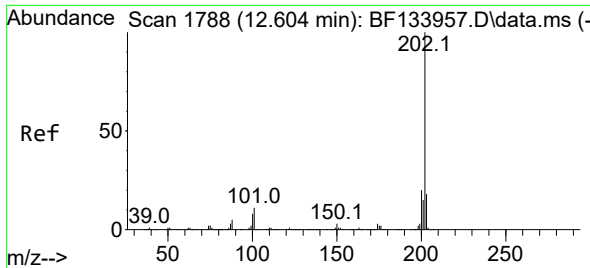


#71
Phenanthrene
Concen: 6.232 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50



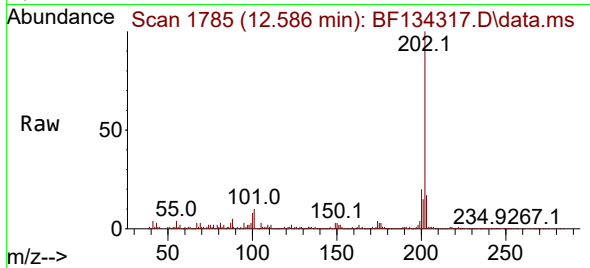
Tgt Ion:178 Resp: 67649
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 14.2 12.4 18.6





#75
Fluoranthene
Concen: 10.352 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

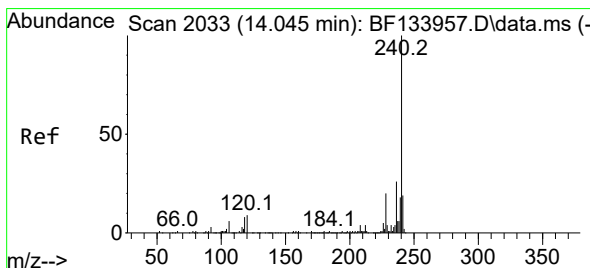
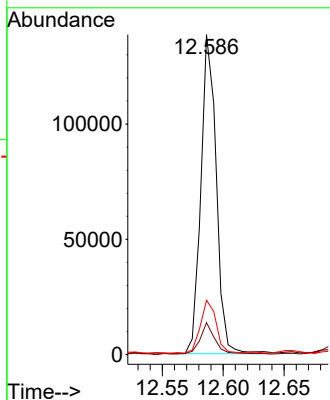
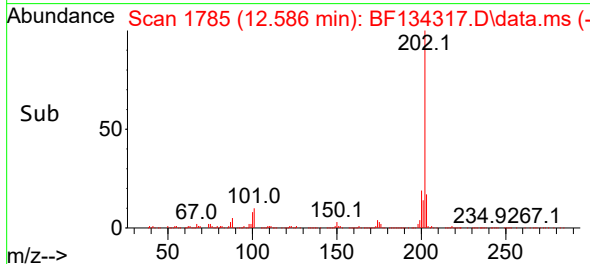
Instrument :
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Tgt Ion:202 Resp: 12148
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.0
203 17.0 0.0 37.6

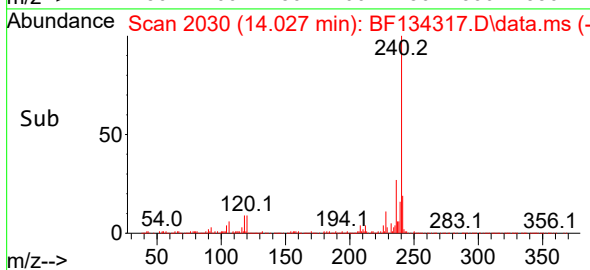
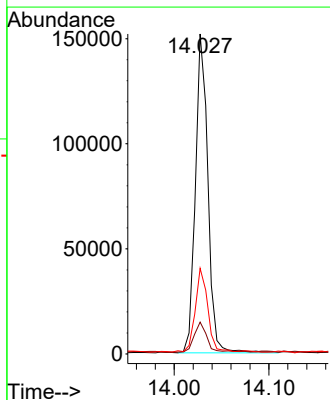
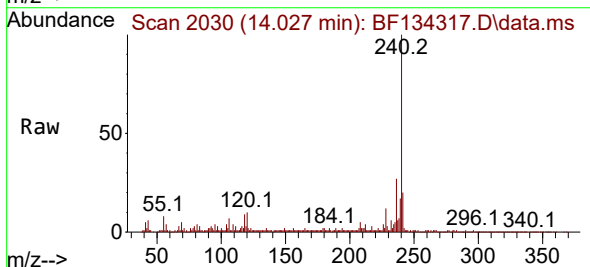
Manual Integrations
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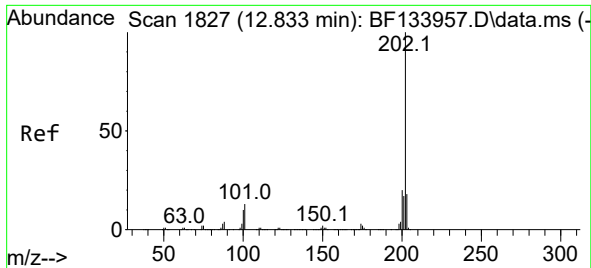
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

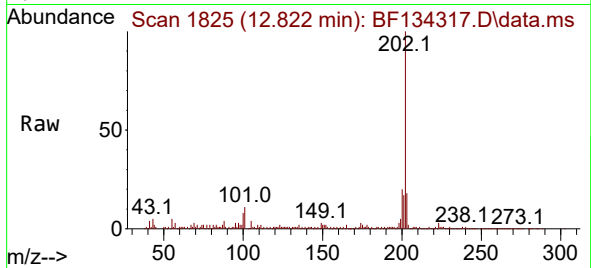
Tgt Ion:240 Resp: 139440
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 26.7 21.0 31.6





#78
Pyrene
Concen: 8.285 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

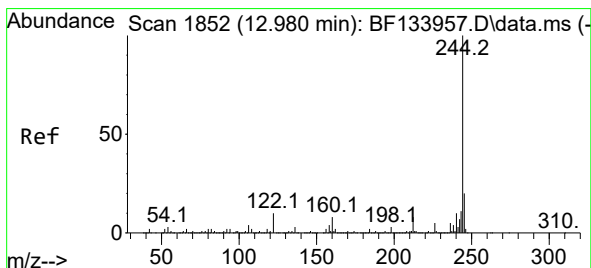
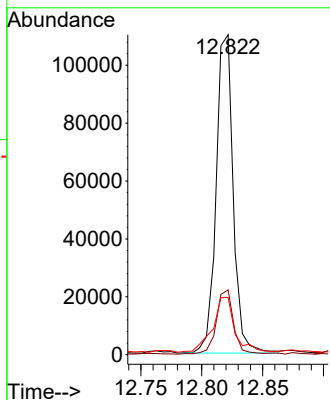
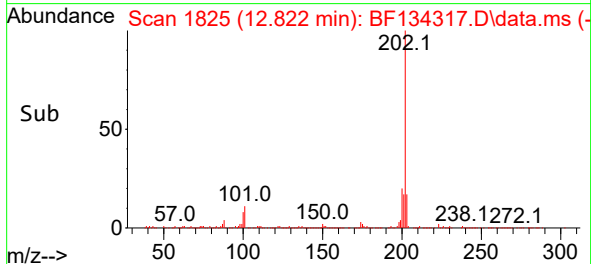
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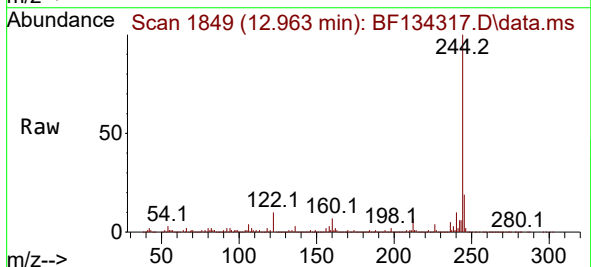
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Ion Ratio Lower Upper
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203 17.9 14.3 21.5

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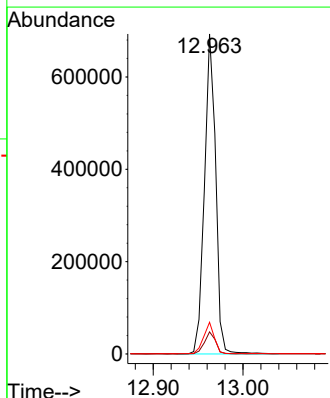
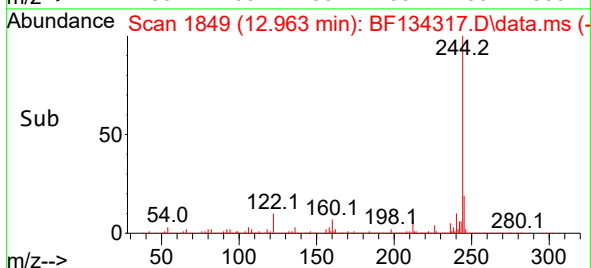
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

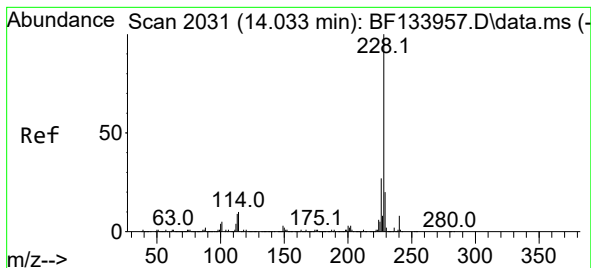


#79
Terphenyl-d14
Concen: 69.309 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50



Tgt Ion:244 Resp: 600495
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.9 8.3 12.5





#81

Benzo(a)anthracene

Concen: 4.581 ng m

RT: 14.016 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

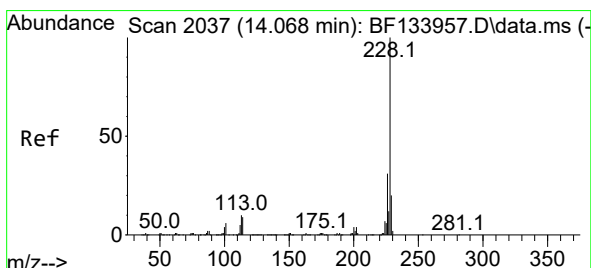
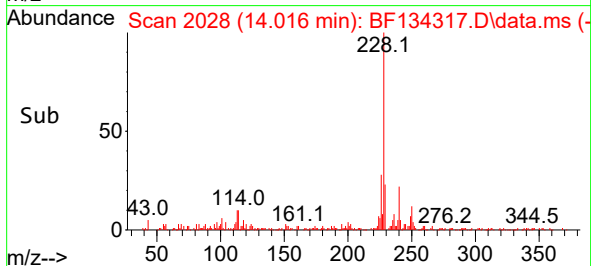
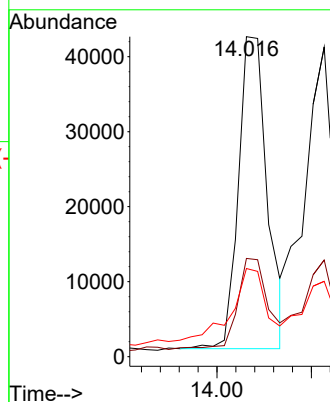
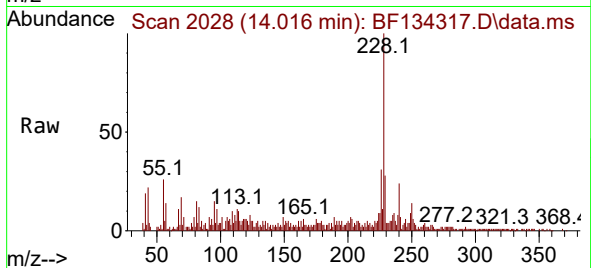
HR-1-071223

Tgt Ion:228 Resp: 44295
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.0 33.0
 229 27.5 16.3 24.5

Manual Integrations

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 Supervised By :mohammad ahmed 07/19/2023



#83

Chrysene

Concen: 4.799 ng

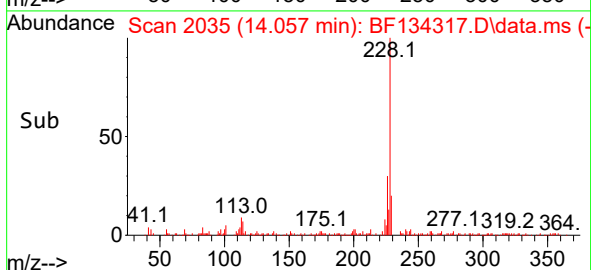
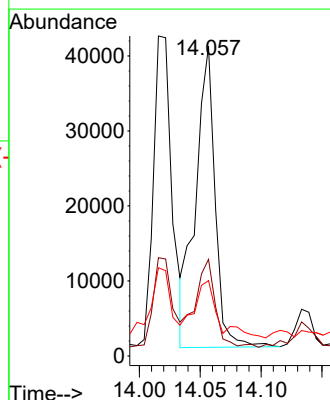
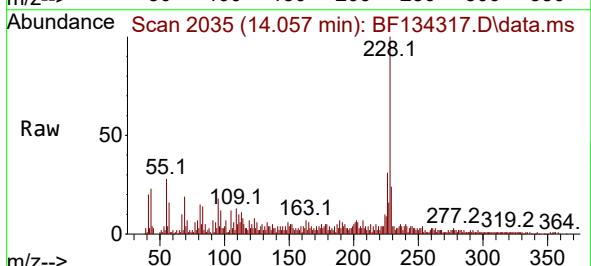
RT: 14.057 min Scan# 2035

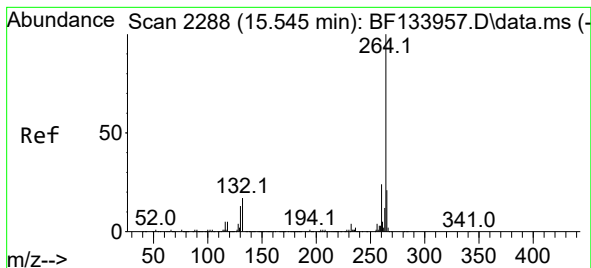
Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

Tgt Ion:228 Resp: 44954
 Ion Ratio Lower Upper
 228 100
 226 31.2 24.4 36.6
 229 24.4 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: BF134317.D

Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

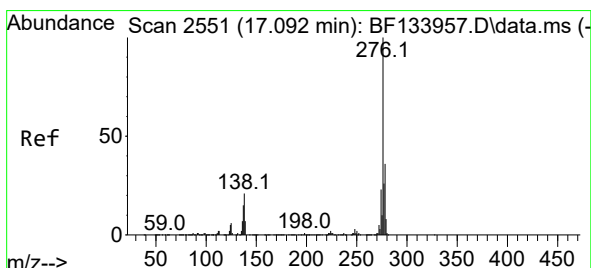
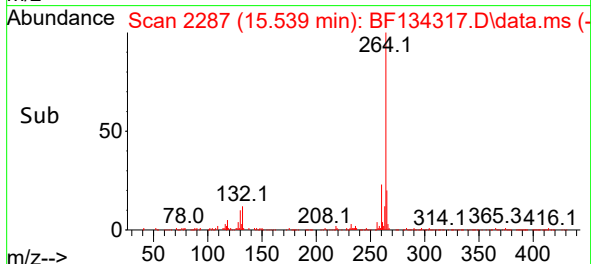
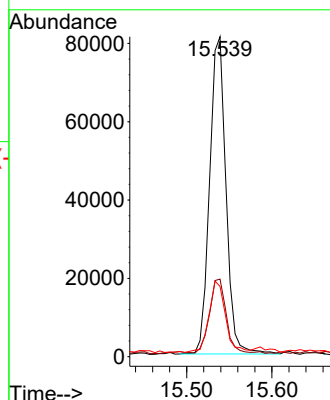
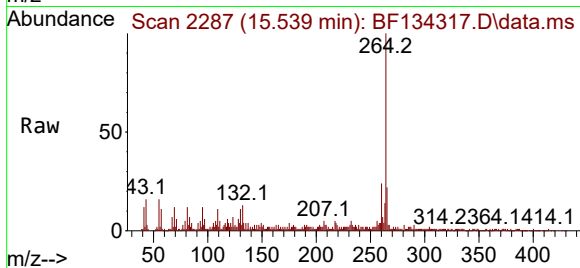
Tgt Ion:264 Resp: 10786
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.9 16.6 25.0

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.381 ng

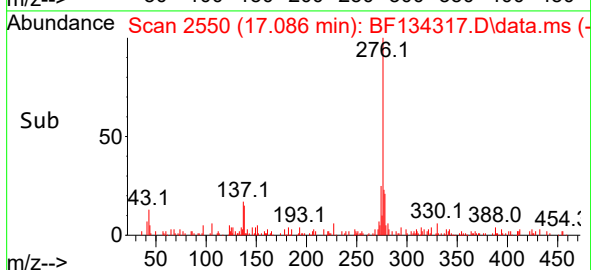
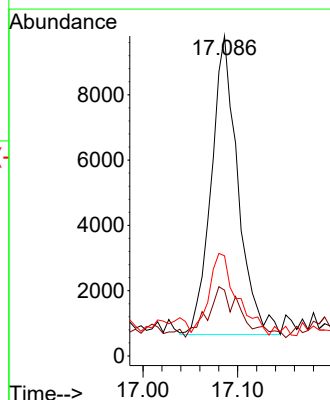
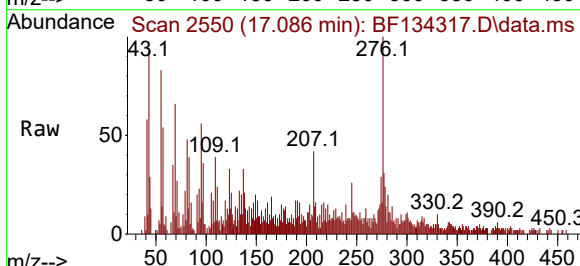
RT: 17.086 min Scan# 2550

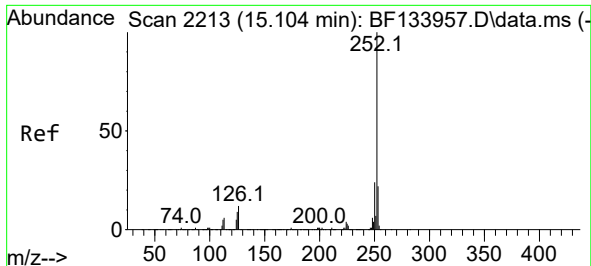
Delta R.T. -0.012 min

Lab File: BF134317.D

Acq: 17 Jul 2023 15:50

Tgt Ion:276 Resp: 17824
 Ion Ratio Lower Upper
 276 100
 138 21.4 18.7 28.1
 277 28.8 19.9 29.9





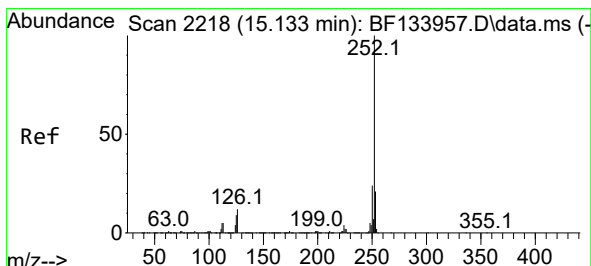
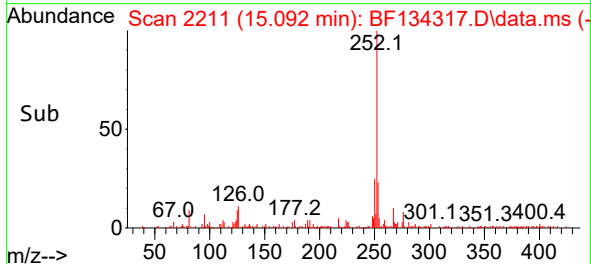
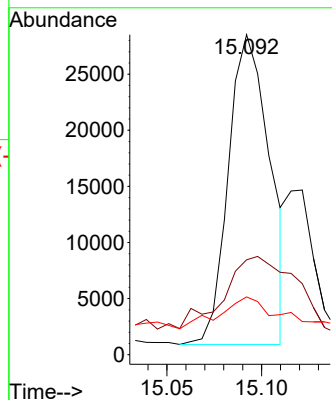
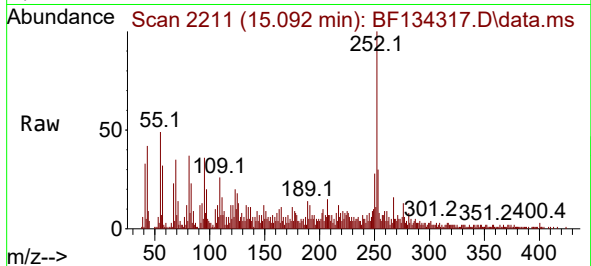
#88
Benzo(b)fluoranthene
Concen: 6.629 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Instrument :
BNA_F
ClientSampleId :
HR-1-071223

Tgt Ion:252 Resp: 4204
Ion Ratio Lower Upper
252 100
253 29.7 17.4 26.0
125 18.1 7.1 10.7

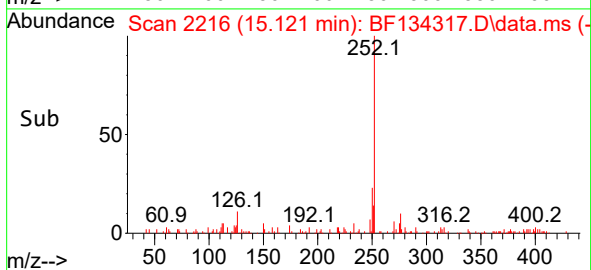
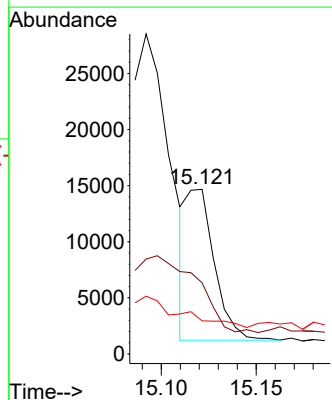
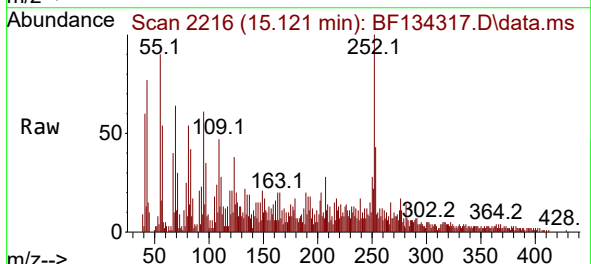
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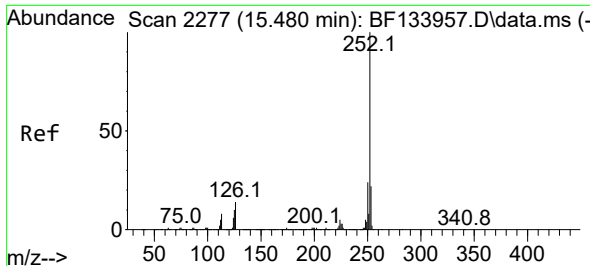
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#89
Benzo(k)fluoranthene
Concen: 2.117 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion:252 Resp: 13672
Ion Ratio Lower Upper
252 100
253 43.2 16.9 25.3#
125 20.2 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 4.759 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Instrument :

BNA_F

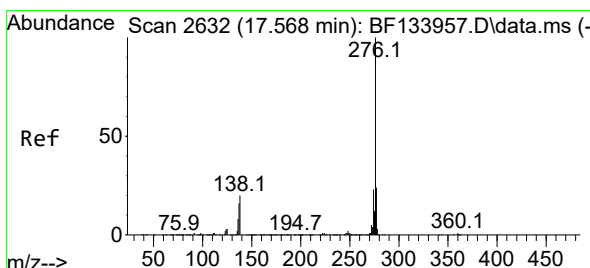
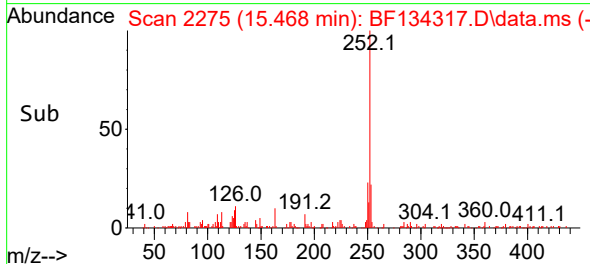
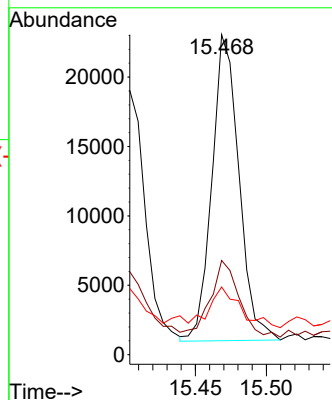
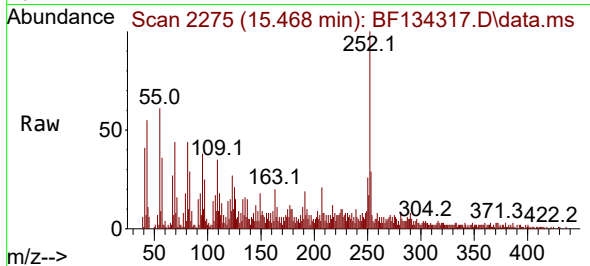
ClientSampleId :

HR-1-071223

Tgt Ion:252 Resp: 2918
Ion Ratio Lower Upper
252 100
253 29.5 17.4 26.0
125 21.1 8.4 12.6

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



#92
Benzo(g,h,i)perylene
Concen: 3.216 ng
RT: 17.557 min Scan# 2630
Delta R.T. -0.012 min
Lab File: BF134317.D
Acq: 17 Jul 2023 15:50

Tgt Ion:276 Resp: 20277
Ion Ratio Lower Upper
276 100
277 28.3 19.0 28.6
138 20.2 16.2 24.2

