

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134353.D
 Acq On : 18 Jul 2023 23:34
 Operator : CG\JU
 Sample : 03601-01
 Misc :
 ALS Vial : 20 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 19 01:43:49 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	63124	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	227621	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	99260	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	176715	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	128850	20.000	ng	0.00
86) Perylene-d12	15.545	264	101198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	350974	93.007	ng	0.00
7) Phenol-d6	6.481	99	401185	86.447	ng	0.00
23) Nitrobenzene-d5	7.398	82	275559	65.258	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	116720	93.787	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	516370	75.634	ng	-0.01
79) Terphenyl-d14	12.963	244	539939	67.442	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	53671	6.033	ng	99
75) Fluoranthene	12.592	202	101049	10.507	ng	97
78) Pyrene	12.822	202	92648	7.726	ng	99
81) Benzo(a)anthracene	14.021	228	43728	4.893	ng	94
83) Chrysene	14.057	228	39308	4.542	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	16489	2.348	ng	# 92
88) Benzo(b)fluoranthene	15.098	252	39420m	6.625	ng	
89) Benzo(k)fluoranthene	15.121	252	13728m	2.266	ng	
90) Benzo(a)pyrene	15.480	252	26800	4.658	ng	# 76
92) Benzo(g,h,i)perylene	17.574	276	19480	3.293	ng	# 91

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

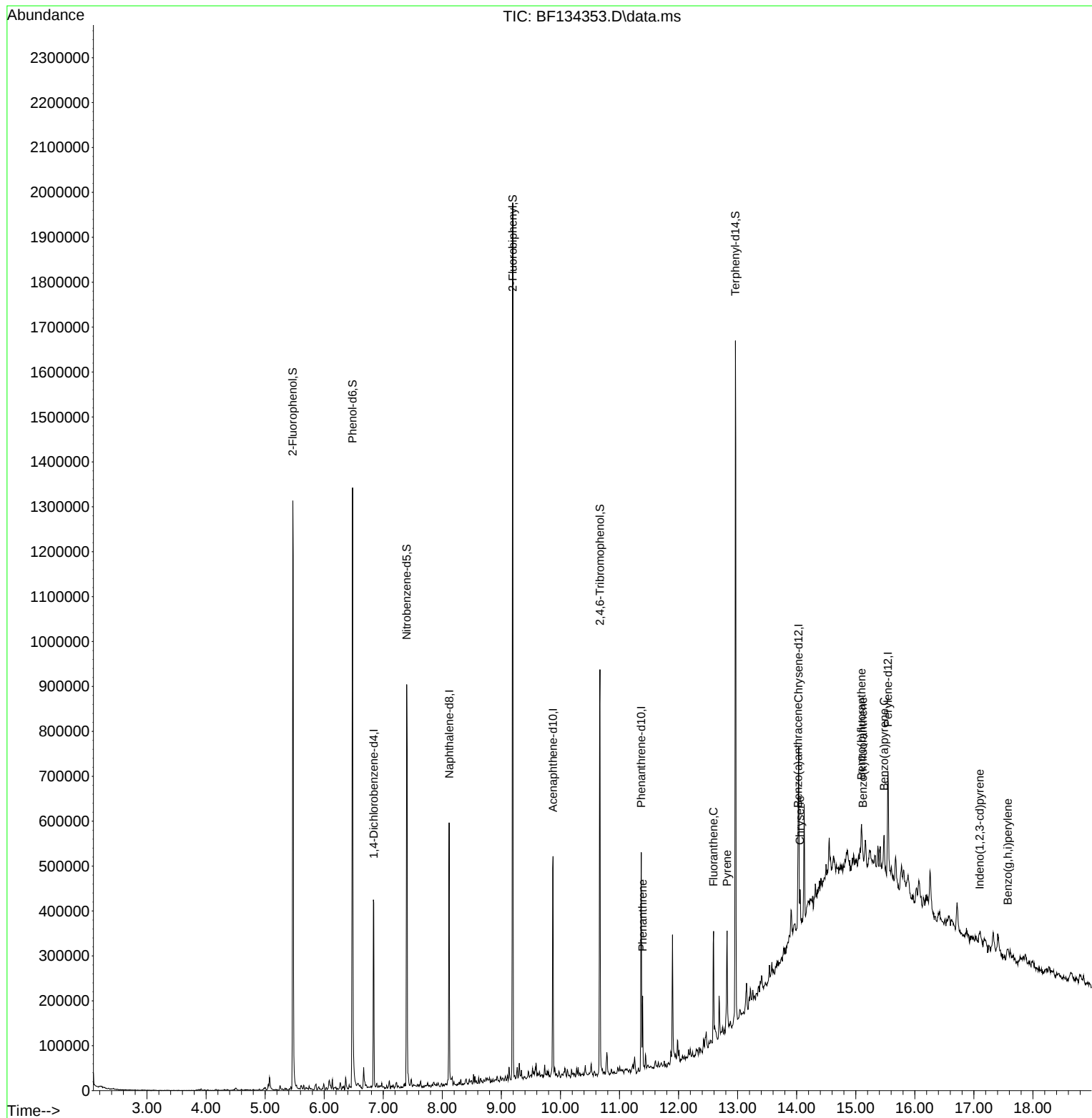
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
Data File : BF134353.D
Acq On : 18 Jul 2023 23:34
Operator : CG\JU
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HR-1-071223

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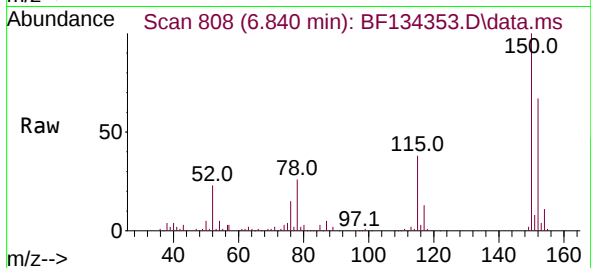
Quant Time: Jul 19 01:43:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

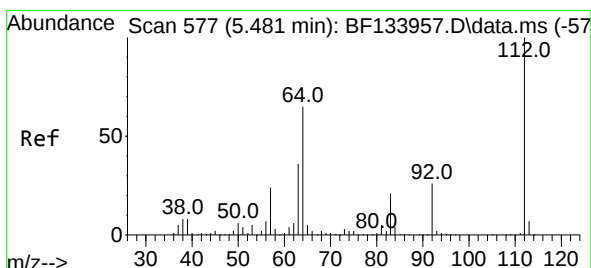
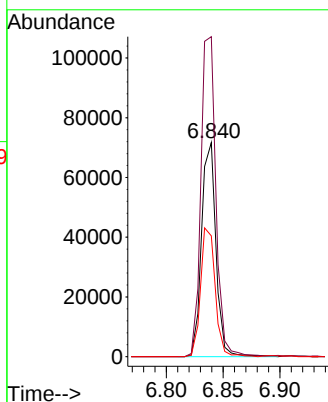
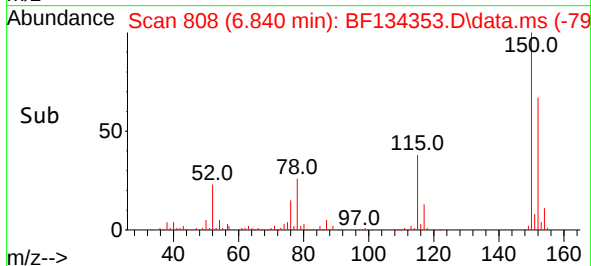
Instrument :
BNA_F
ClientSampleId :
HR-1-071223



Tgt Ion:152 Resp: 63124
Ion Ratio Lower Upper
152 100
150 149.4 124.5 186.7
115 56.4 50.2 75.2

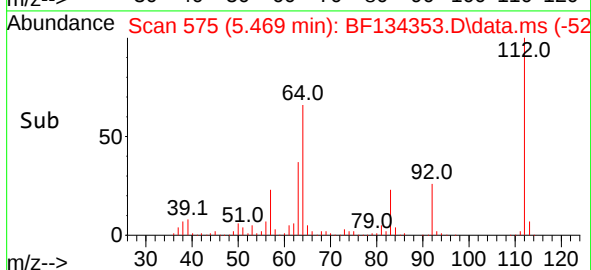
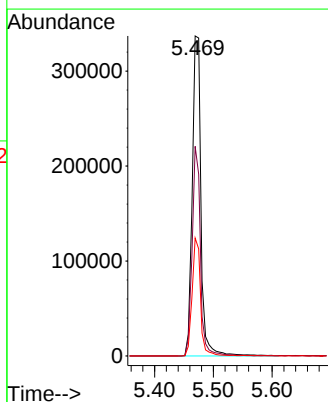
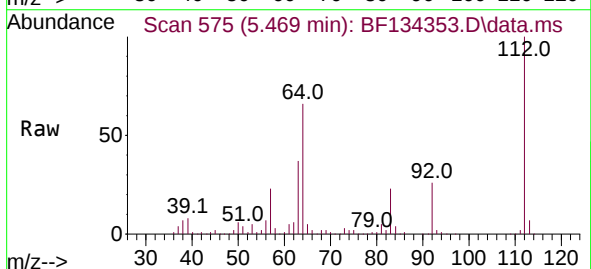
Manual Integrations
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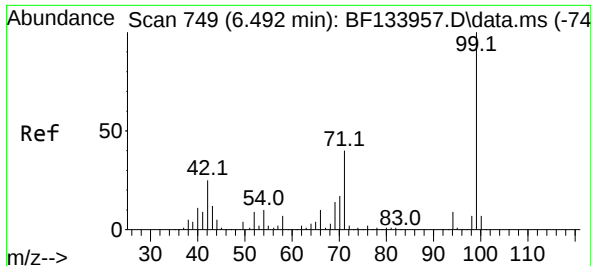
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 93.007 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

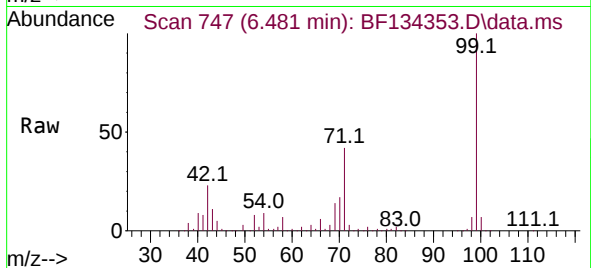
Tgt Ion:112 Resp: 350974
Ion Ratio Lower Upper
112 100
64 65.5 52.1 78.1
63 36.9 28.6 42.8





#7
Phenol-d6
Concen: 86.447 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

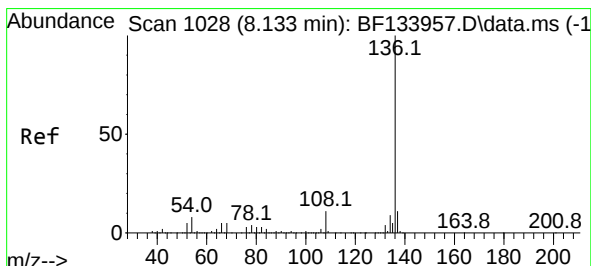
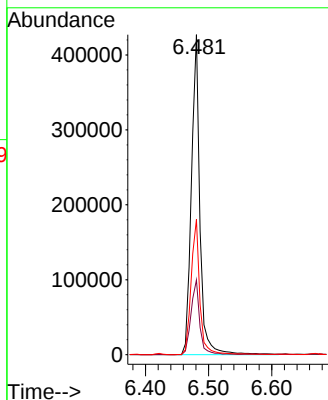
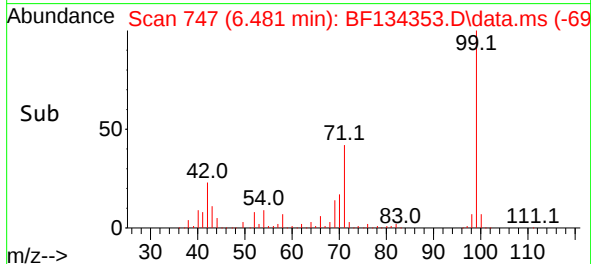
Instrument :
BNA_F
ClientSampleId :
HR-1-071223



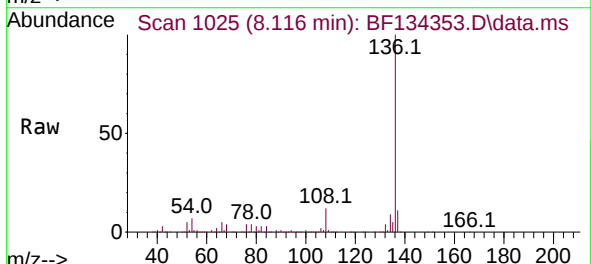
Tgt Ion: 99 Resp: 40118
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.6
71 42.3 31.9 47.9

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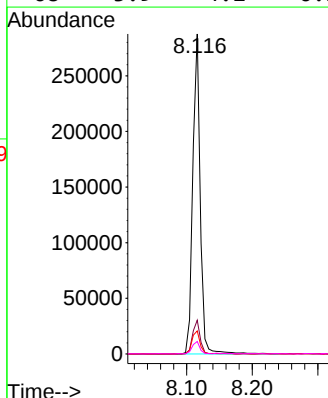
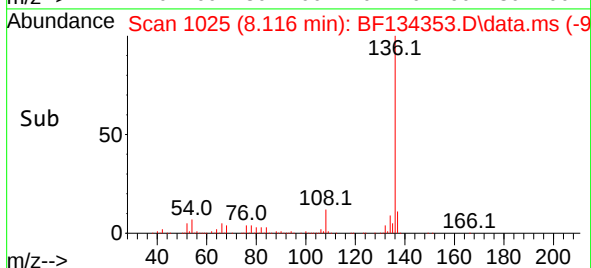
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

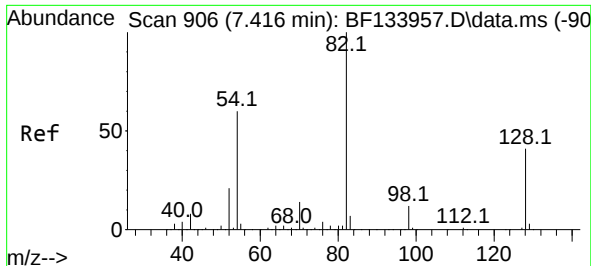


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34



Tgt Ion:136 Resp: 227621
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.2 6.5 9.7
68 3.9 4.2 6.2#





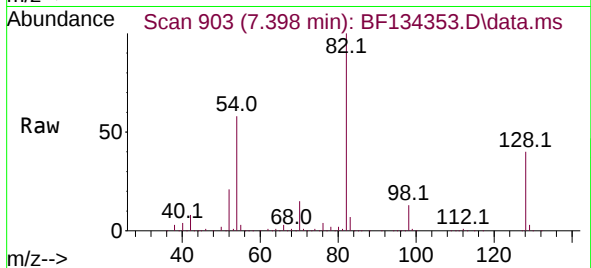
#23
Nitrobenzene-d5
Concen: 65.258 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

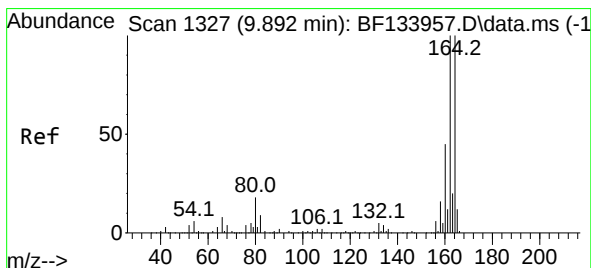
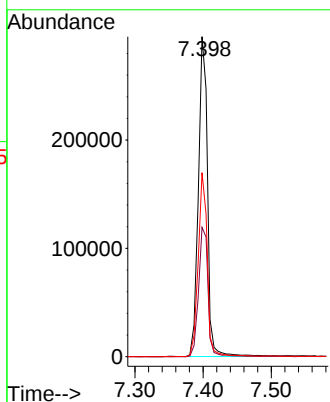
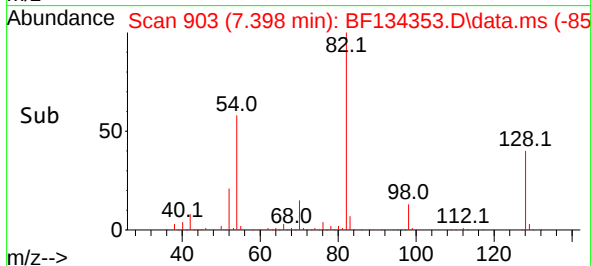


Tgt Ion: 82 Resp: 27555
Ion Ratio Lower Upper
82 100
128 40.4 32.5 48.7
54 57.5 48.2 72.2

Manual Integrations

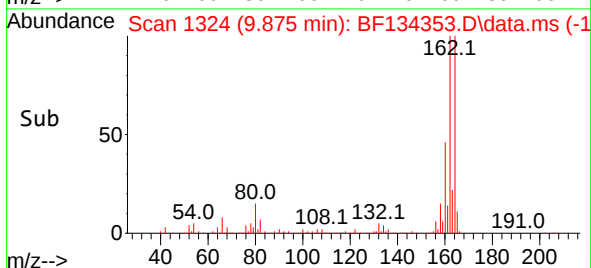
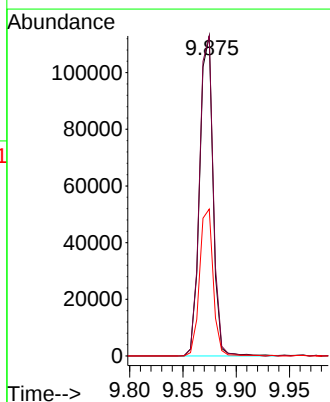
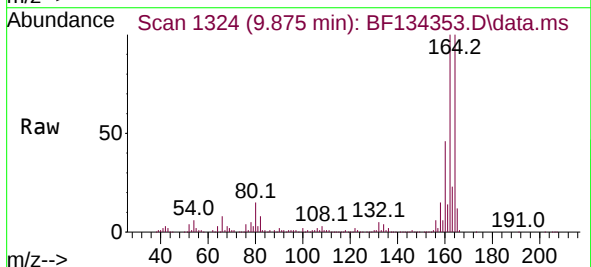
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Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion:164 Resp: 99260
Ion Ratio Lower Upper
164 100
162 100.0 80.0 120.0
160 45.9 35.9 53.9





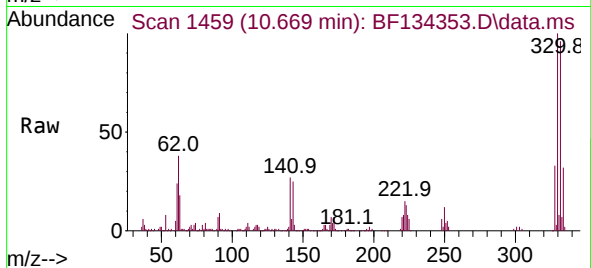
#42
2,4,6-Tribromophenol
Concen: 93.787 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223



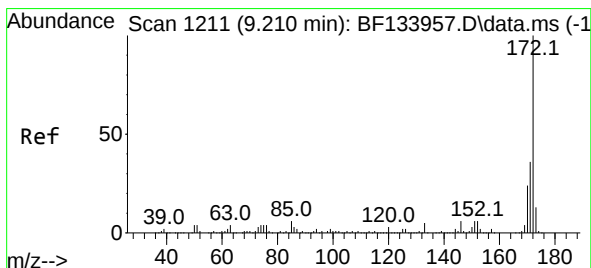
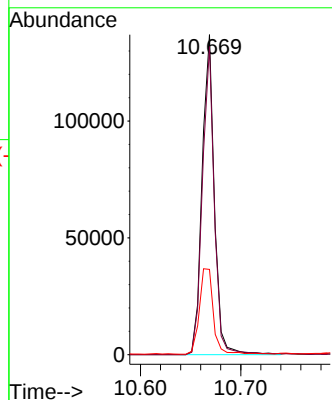
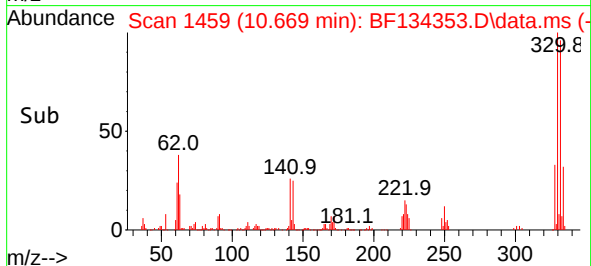
Tgt Ion:330 Resp: 116720
Ion Ratio Lower Upper
330 100
332 94.2 77.0 115.6
141 30.5 26.3 39.5

Manual Integrations

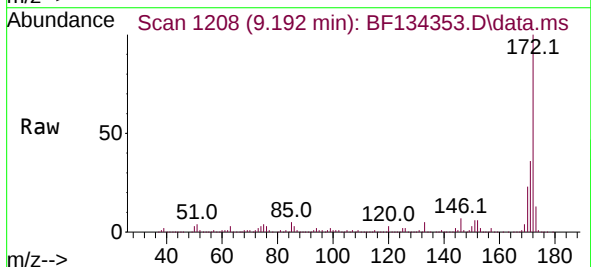
APPROVED

Reviewed By :Yogesh Patel 07/19/2023

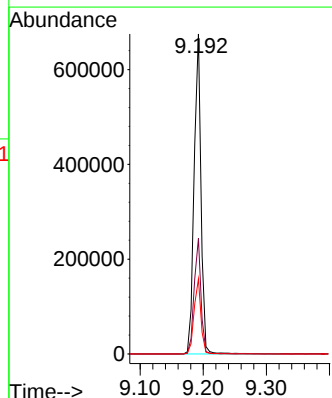
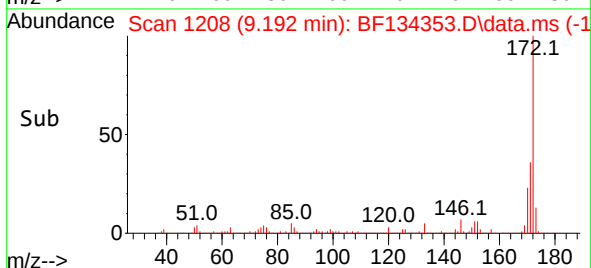
Supervised By :mohammad ahmed 07/19/2023

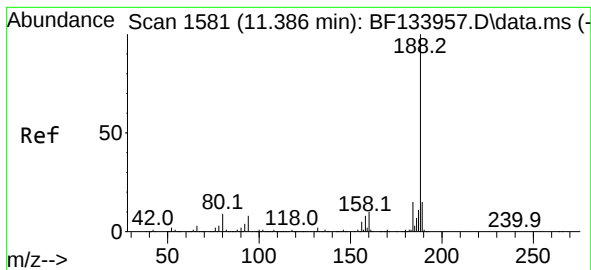


#45
2-Fluorobiphenyl
Concen: 75.634 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34



Tgt Ion:172 Resp: 516370
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.5 19.4 29.0





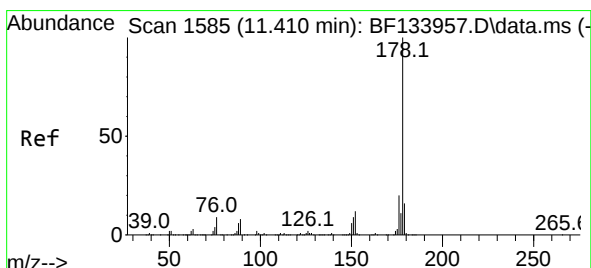
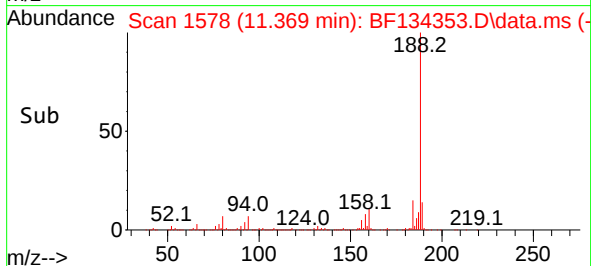
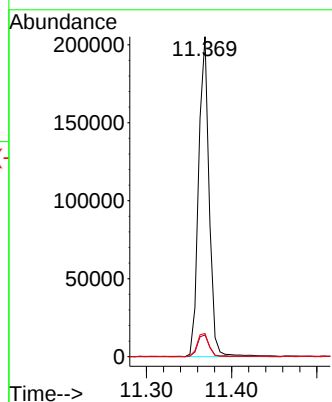
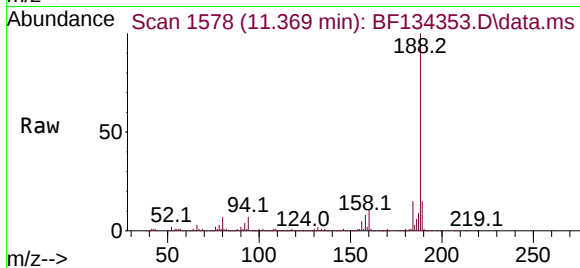
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Instrument :
BNA_F
ClientSampleId :
HR-1-071223

Tgt Ion:188 Resp: 176715
Ion Ratio Lower Upper
188 100
94 6.8 6.4 9.6
80 7.2 7.3 10.9

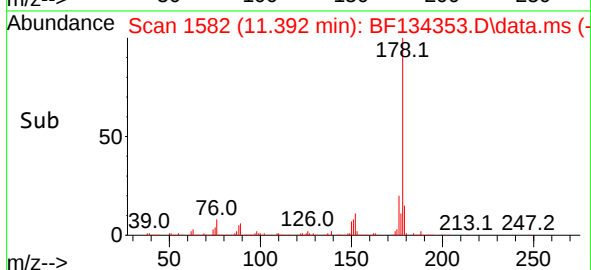
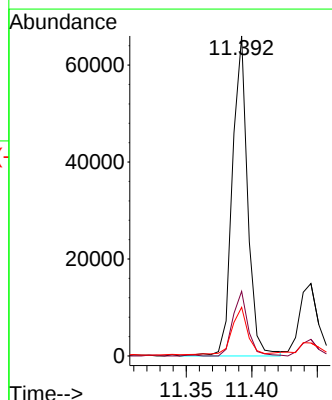
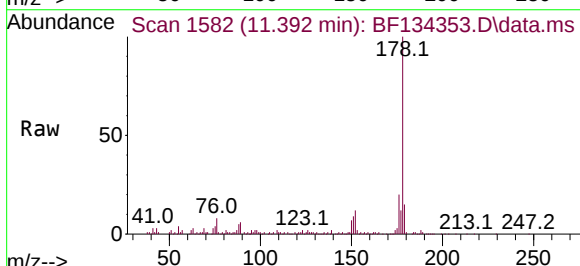
Manual Integrations
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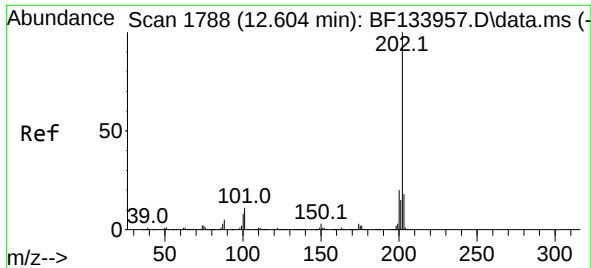
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 6.033 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

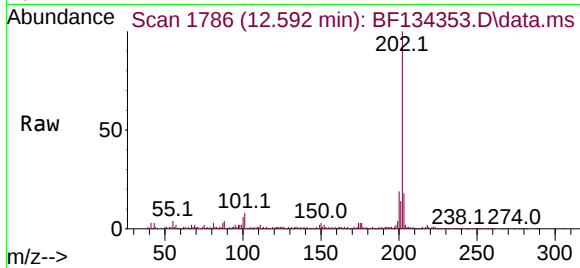
Tgt Ion:178 Resp: 53671
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 10.507 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

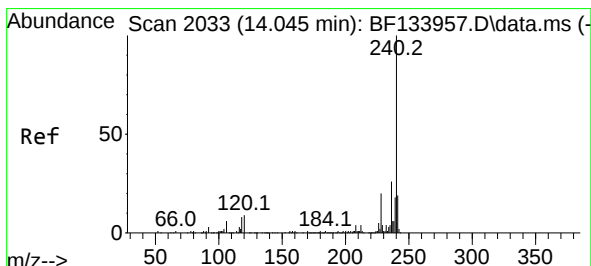
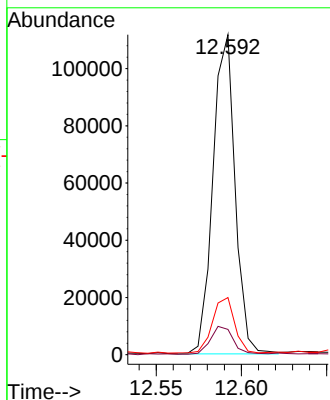
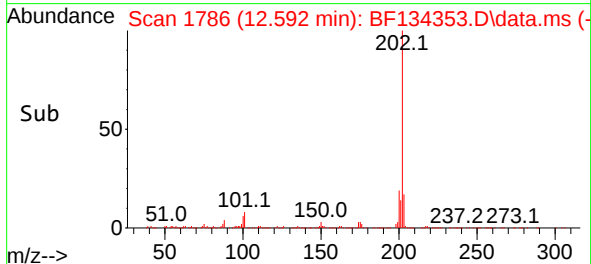
Instrument :
BNA_F
ClientSampleId :
HR-1-071223



Tgt Ion:202 Resp: 101049
Ion Ratio Lower Upper
202 100
101 7.9 0.0 31.0
203 17.9 0.0 37.6

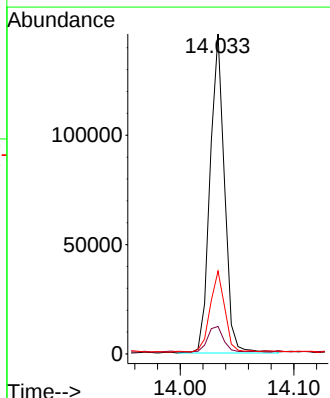
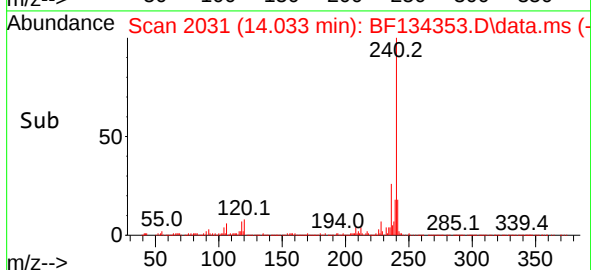
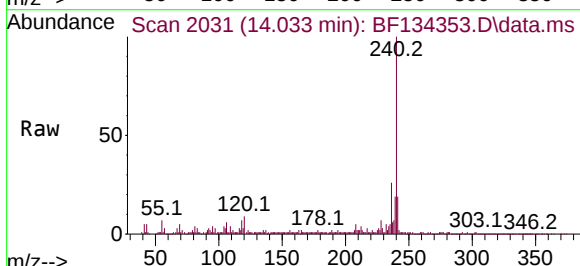
Manual Integrations
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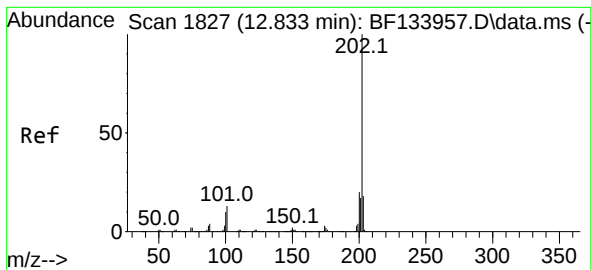
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion:240 Resp: 128850
Ion Ratio Lower Upper
240 100
120 8.6 7.4 11.0
236 25.9 21.0 31.6





#78

Pyrene

Concen: 7.726 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

HR-1-071223

Tgt Ion:202 Resp: 92648

Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

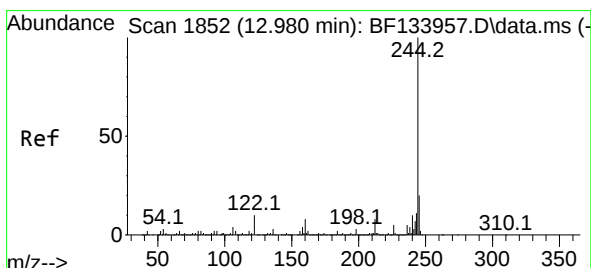
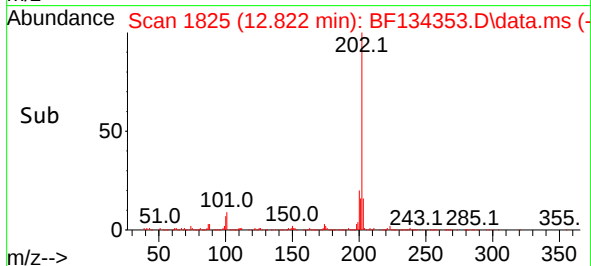
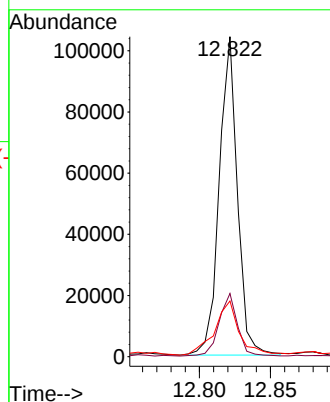
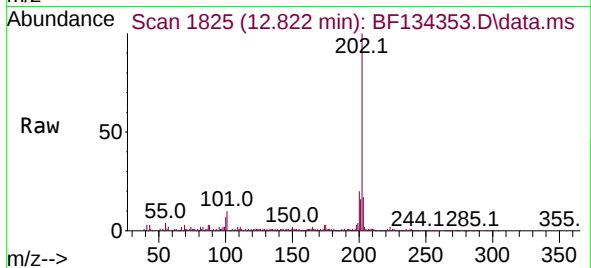
203 17.4 14.3 21.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#79

Terphenyl-d14

Concen: 67.442 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

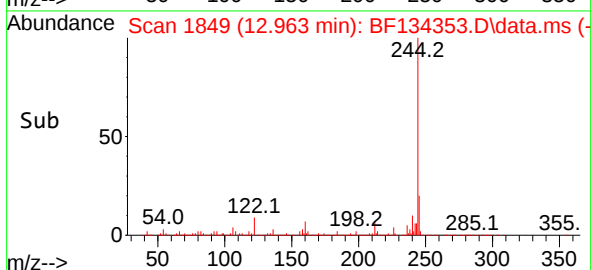
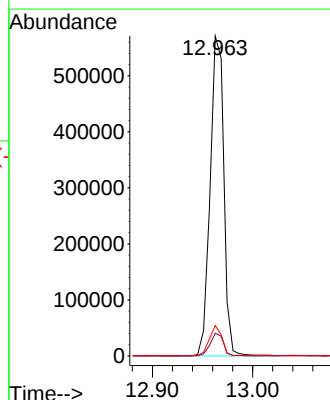
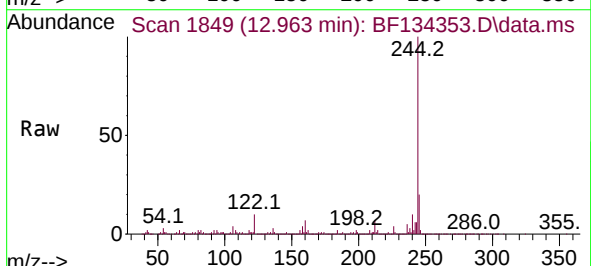
Tgt Ion:244 Resp: 539939

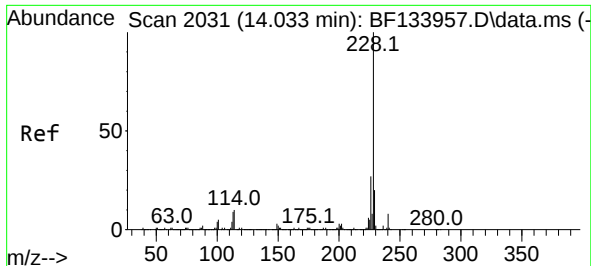
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.5 8.3 12.5





#81
Benzo(a)anthracene
Concen: 4.893 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

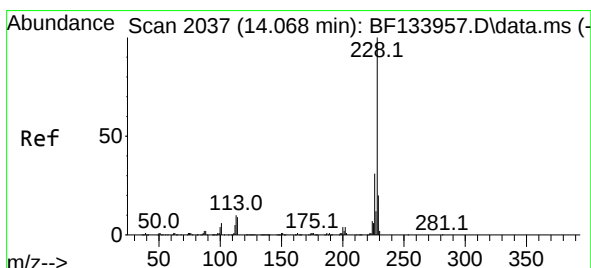
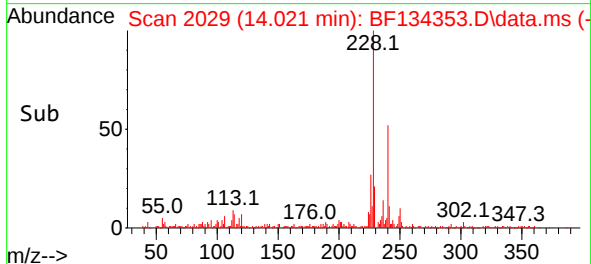
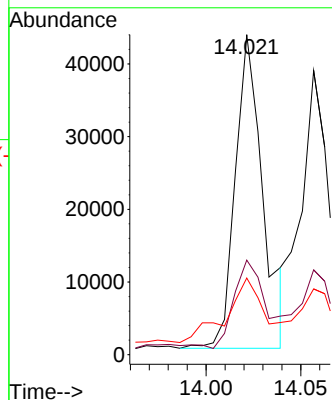
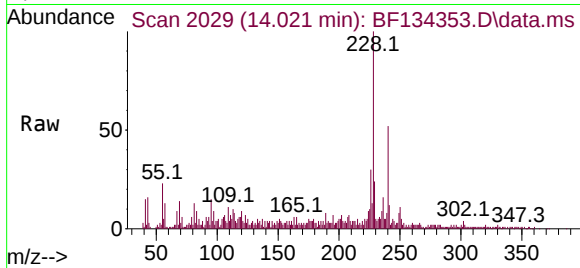
ClientSampleId :

HR-1-071223

Tgt Ion:228 Resp: 43728
Ion Ratio Lower Upper
228 100
226 29.6 22.0 33.0
229 24.0 16.3 24.5

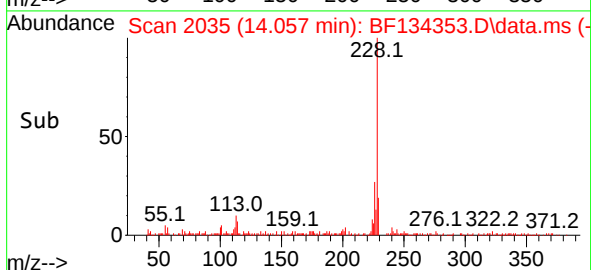
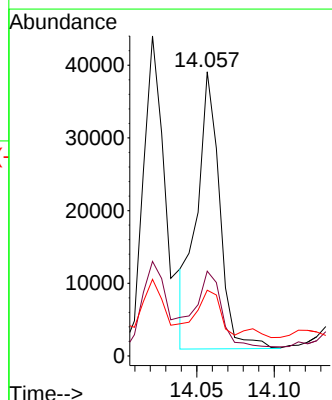
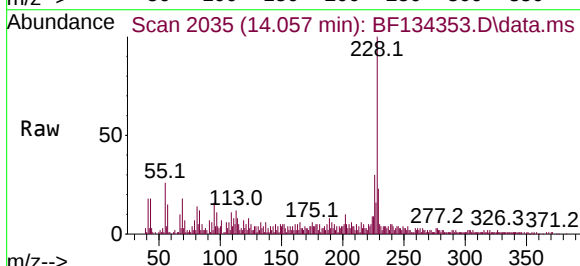
Manual Integrations
APPROVED

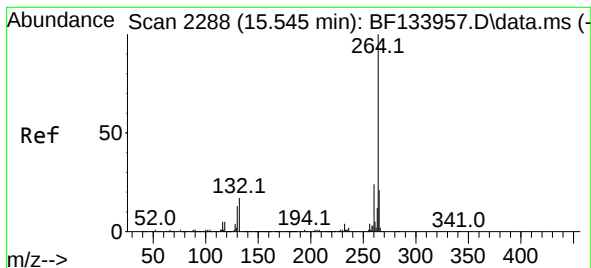
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#83
Chrysene
Concen: 4.542 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion:228 Resp: 39308
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 23.2 16.1 24.1





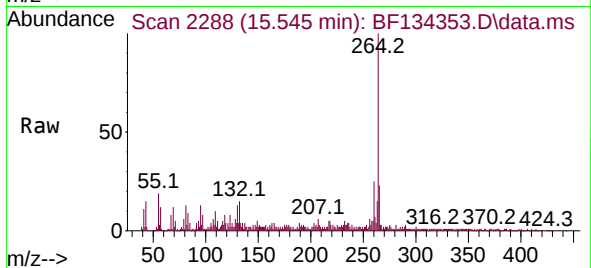
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: BF134353.D
 Acq: 18 Jul 2023 23:34

Instrument :

BNA_F

ClientSampleId :

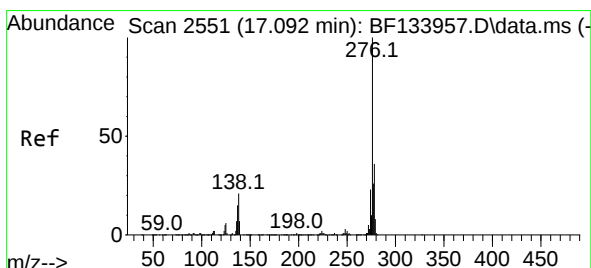
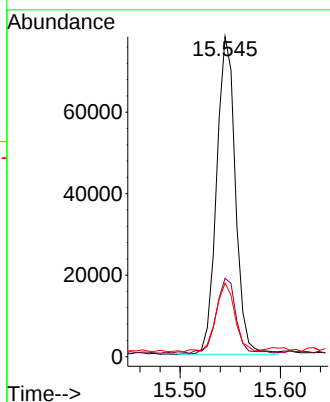
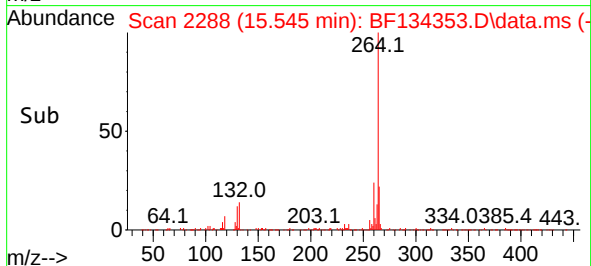
HR-1-071223



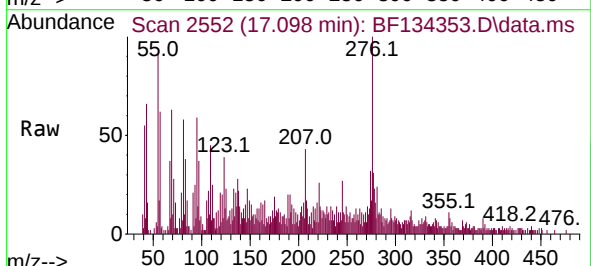
Tgt Ion:264 Resp: 101198
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 23.0 16.6 25.0

Manual Integrations
 APPROVED

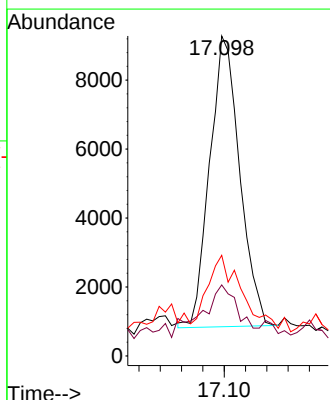
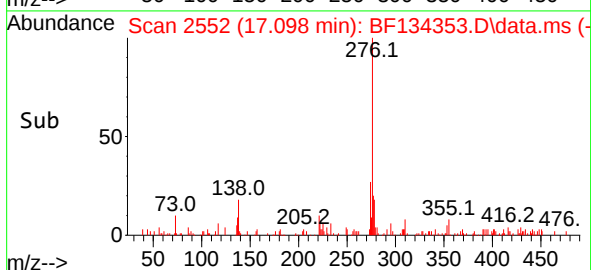
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

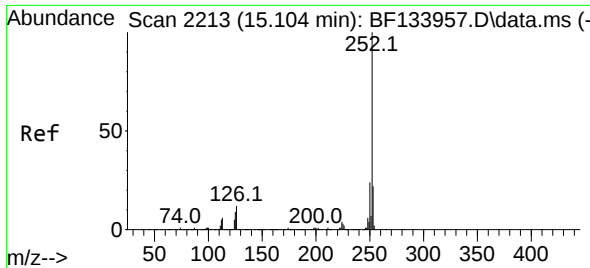


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.348 ng
 RT: 17.098 min Scan# 2552
 Delta R.T. 0.000 min
 Lab File: BF134353.D
 Acq: 18 Jul 2023 23:34



Tgt Ion:276 Resp: 16489
 Ion Ratio Lower Upper
 276 100
 138 22.1 18.7 28.1
 277 31.3 19.9 29.9#





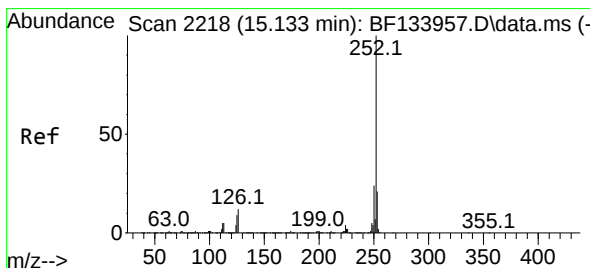
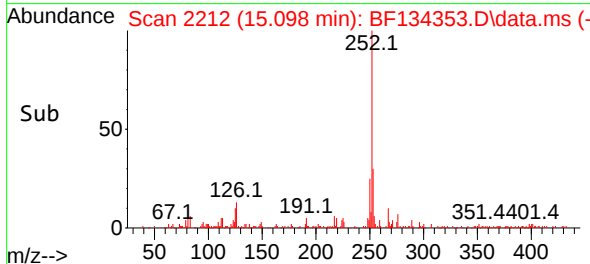
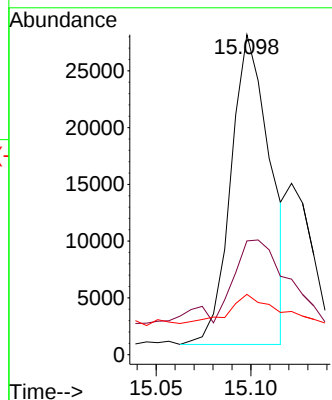
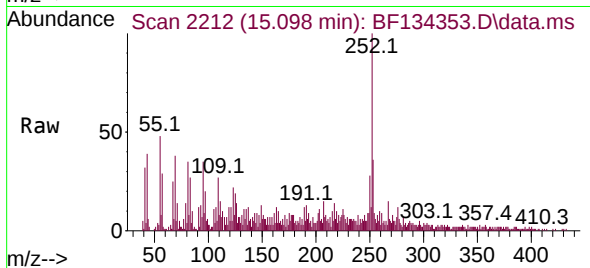
#88
Benzo(b)fluoranthene
Concen: 6.625 ng m
RT: 15.098 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Instrument :
BNA_F
ClientSampleId :
HR-1-071223

Tgt Ion:252 Resp: 39420
Ion Ratio Lower Upper
252 100
253 35.5 17.4 26.0#
125 18.9 7.1 10.7#

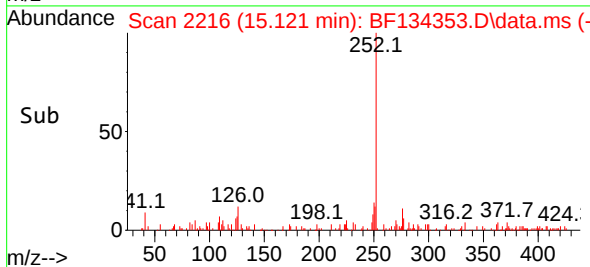
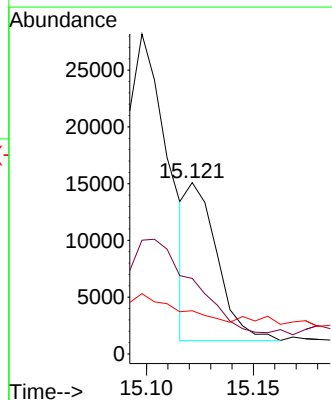
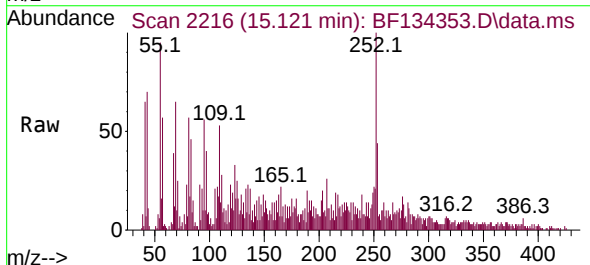
Manual Integrations
APPROVED

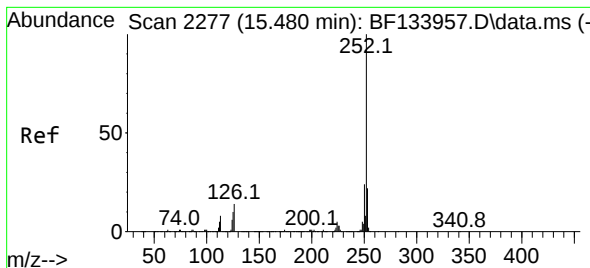
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#89
Benzo(k)fluoranthene
Concen: 2.266 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134353.D
Acq: 18 Jul 2023 23:34

Tgt Ion:252 Resp: 13728
Ion Ratio Lower Upper
252 100
253 44.1 16.9 25.3#
125 25.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.658 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.000 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Instrument :

BNF

ClientSampleId :

HR-1-071223

Tgt Ion:252 Resp: 26800

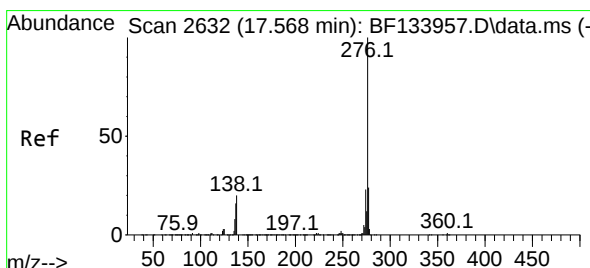
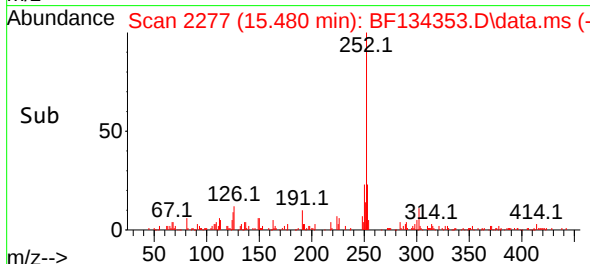
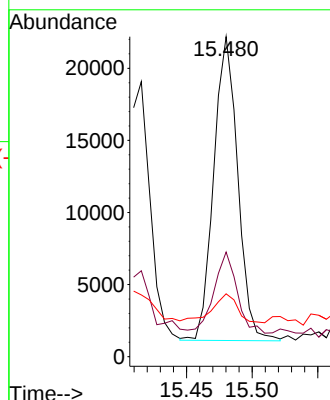
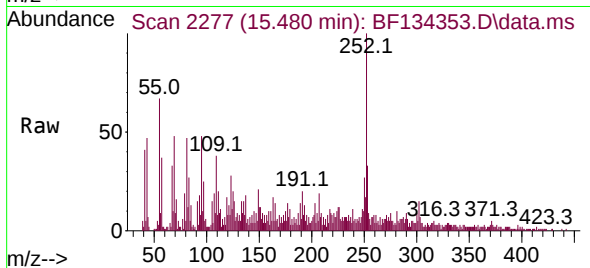
Ion	Ratio	Lower	Upper
252	100		
253	32.7	17.4	26.0
125	19.6	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#92

Benzo(g,h,i)perylene

Concen: 3.293 ng

RT: 17.574 min Scan# 2633

Delta R.T. 0.006 min

Lab File: BF134353.D

Acq: 18 Jul 2023 23:34

Tgt Ion:276 Resp: 19480

Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.0	28.6
138	17.7	16.2	24.2

