

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134331.D
 Acq On : 17 Jul 2023 23:43
 Operator : CG\JU
 Sample : 03621-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071323

Manual Integrations
 APPROVED

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

Quant Time: Jul 18 01:19:16 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	67997	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	239677	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	103373	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	190970	20.000	ng	0.00
76) Chrysene-d12	14.033	240	104550	20.000	ng	0.00
86) Perylene-d12	15.539	264	89955	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	128308	31.565	ng	0.00
7) Phenol-d6	6.475	99	148800	29.766	ng	-0.01
23) Nitrobenzene-d5	7.398	82	96218	21.640	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	39597	30.551	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	185879	26.143	ng	-0.01
79) Terphenyl-d14	12.962	244	174909	26.925	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	25187	2.430	ng	# 91
52) Acenaphthene	9.910	154	14743	2.452	ng	99
58) Fluorene	10.427	166	34971	4.783	ng	98
71) Phenanthrene	11.398	178	291757	30.348	ng	99
72) Anthracene	11.445	178	71247	7.125	ng	98
73) Carbazole	11.604	167	30691	3.353	ng	94
75) Fluoranthene	12.598	202	398131	38.306	ng	97
78) Pyrene	12.827	202	340931	35.040	ng	99
81) Benzo(a)anthracene	14.021	228	121395	16.742	ng	94
83) Chrysene	14.057	228	104830	14.927	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	37315	5.978	ng	# 89
88) Benzo(b)fluoranthene	15.098	252	100083m	18.921	ng	
89) Benzo(k)fluoranthene	15.121	252	30103m	5.590	ng	
90) Benzo(a)pyrene	15.474	252	71740	14.026	ng	95
92) Benzo(g,h,i)perylene	17.568	276	40290	7.663	ng	92

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

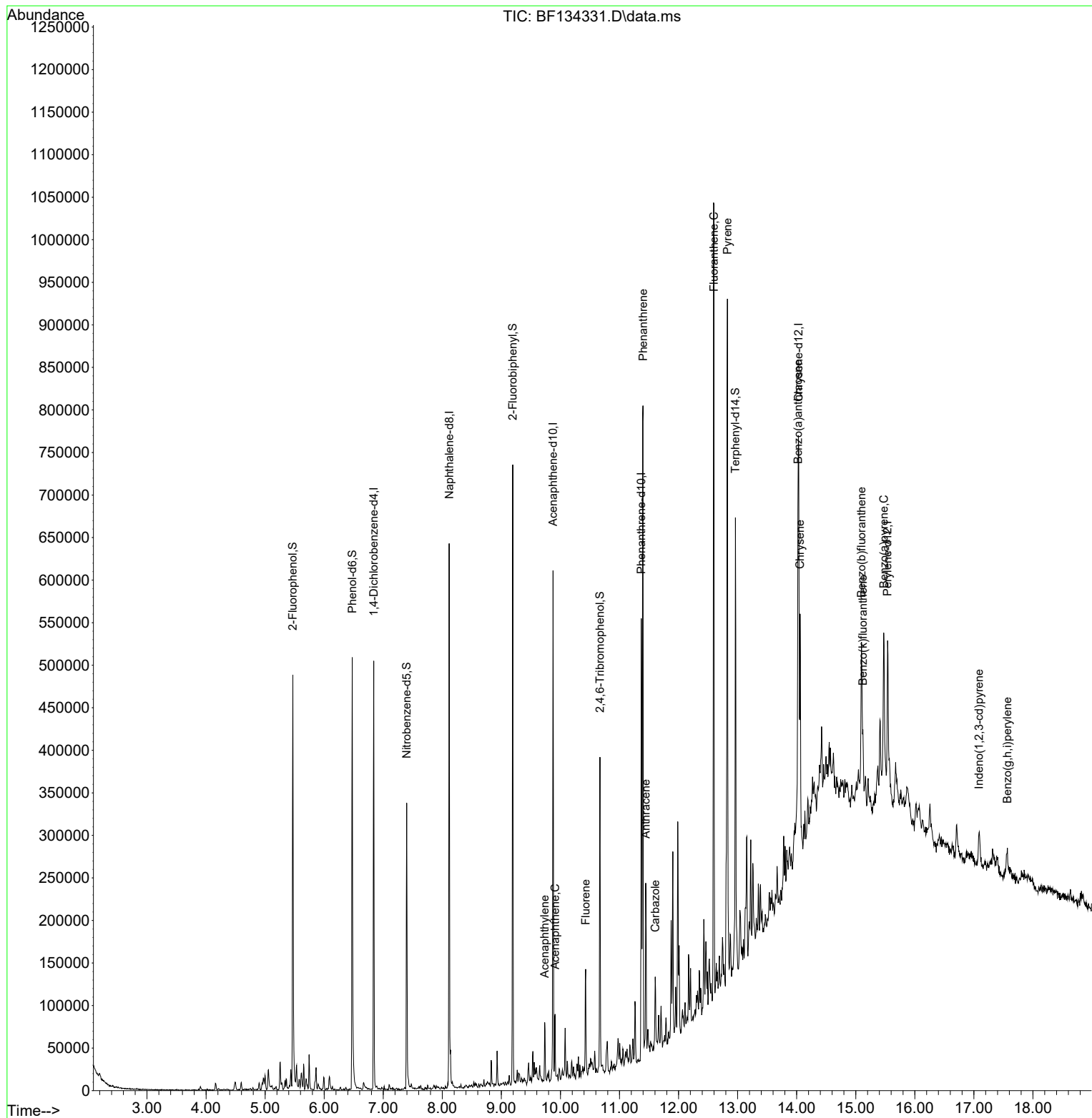
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
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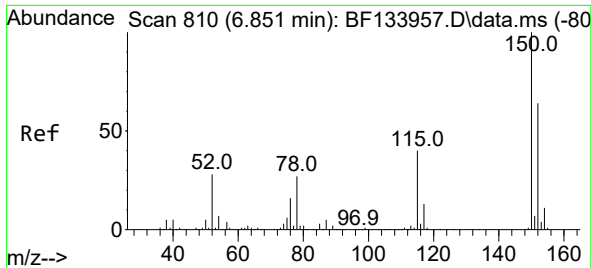
Instrument :
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Quant Time: Jul 18 01:19:16 2023
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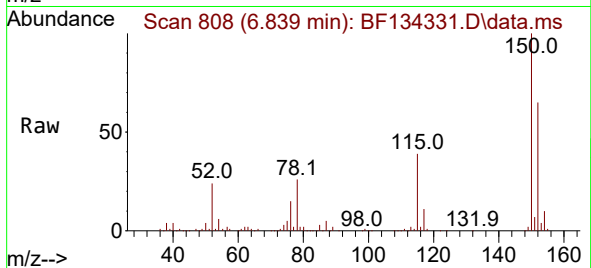
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

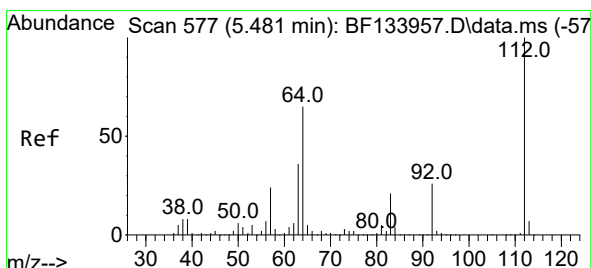
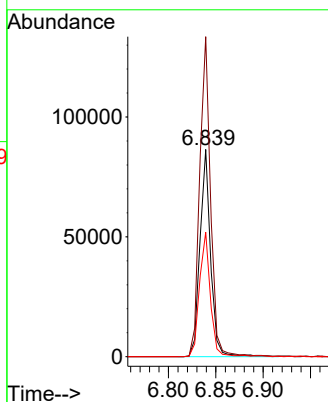
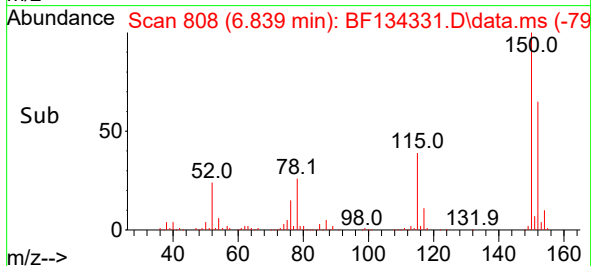
Instrument :
BNA_F
ClientSampleId :
OR-03-071323



Tgt Ion:152 Resp: 6799
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 60.1 50.2 75.2

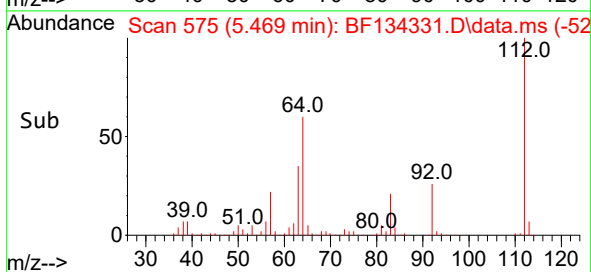
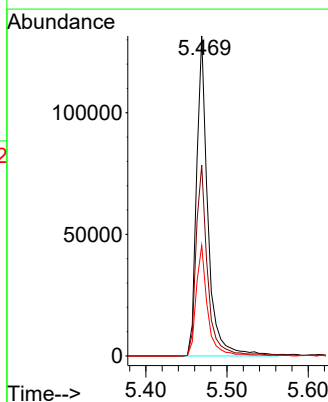
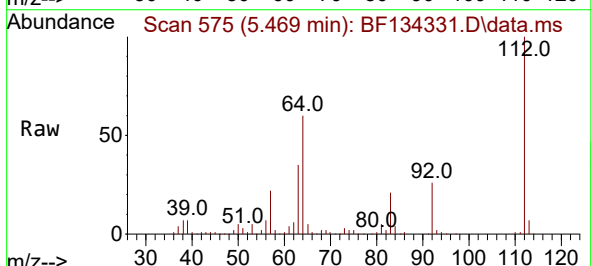
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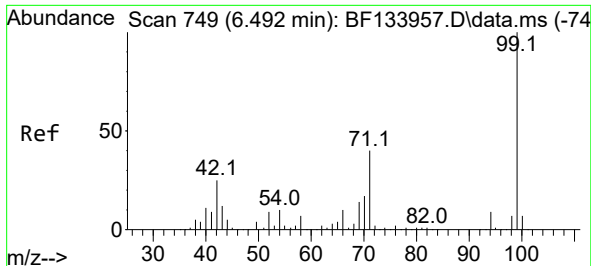
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 31.565 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.000 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

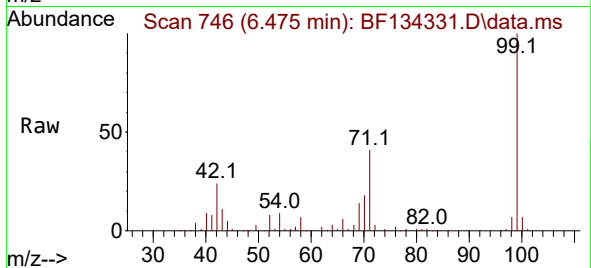
Tgt Ion:112 Resp: 128308
Ion Ratio Lower Upper
112 100
64 59.6 52.1 78.1
63 34.6 28.6 42.8





#7
Phenol-d6
Concen: 29.766 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

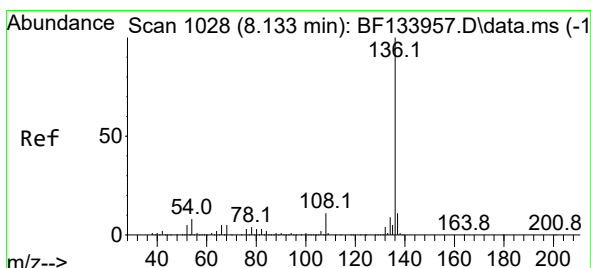
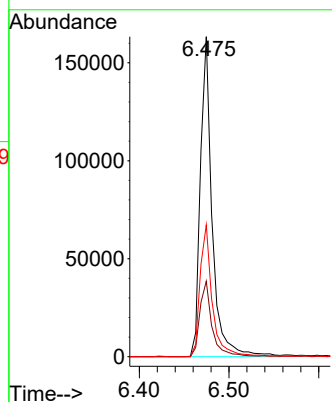
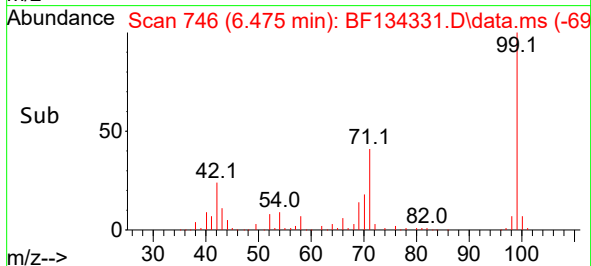
Instrument :
BNA_F
ClientSampleId :
OR-03-071323



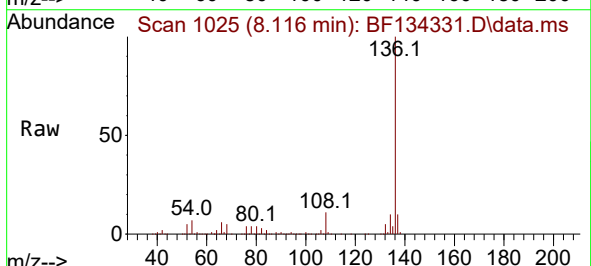
Tgt Ion: 99 Resp: 148800
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 41.2 31.9 47.9

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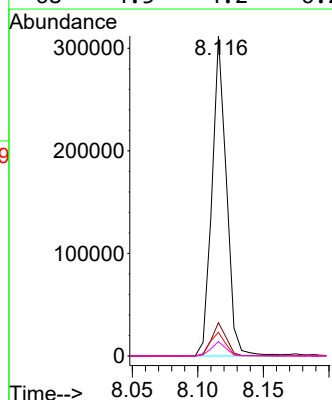
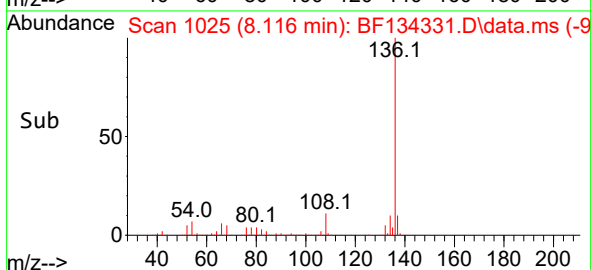
Reviewed By :Yogesh Patel 07/19/2023
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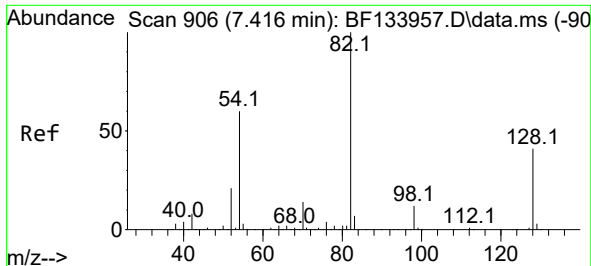


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43



Tgt Ion:136 Resp: 239677
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 7.4 6.5 9.7
68 4.5 4.2 6.2





#23

Nitrobenzene-d5

Concen: 21.640 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

Instrument :

BNA_F

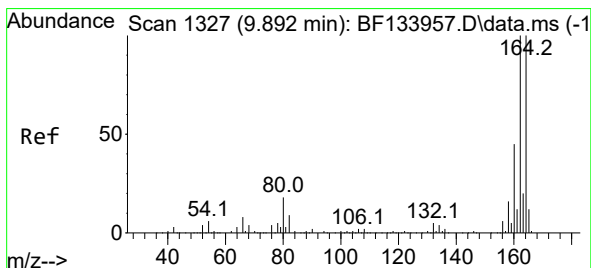
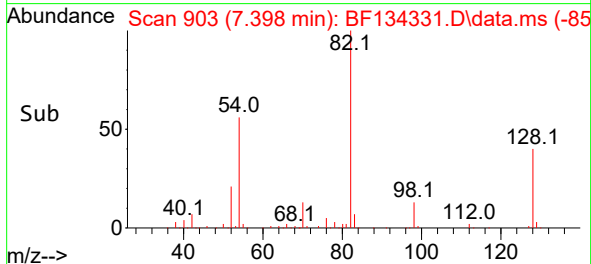
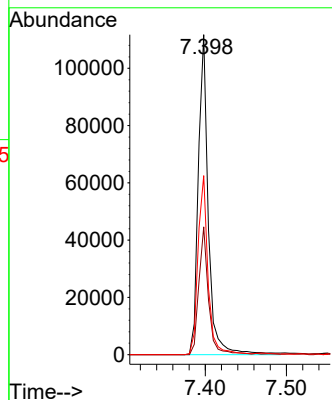
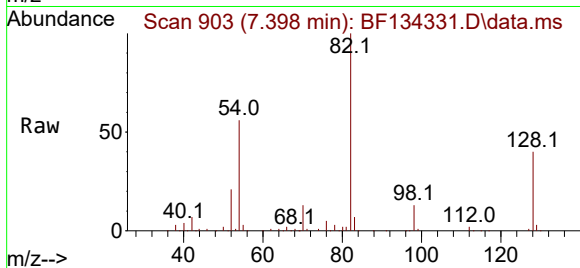
ClientSampleId :

OR-03-071323

Tgt Ion: 82 Resp: 96218
 Ion Ratio Lower Upper
 82 100
 128 39.9 32.5 48.7
 54 56.0 48.2 72.2

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 Supervised By :mohammad ahmed 07/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

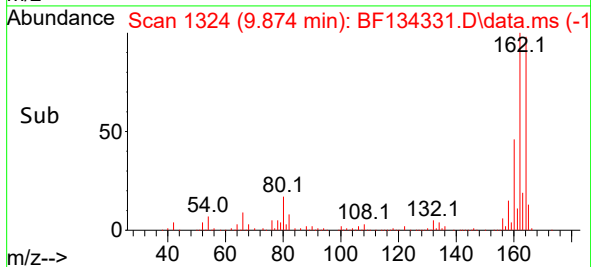
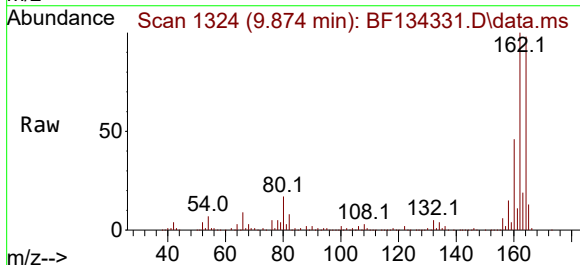
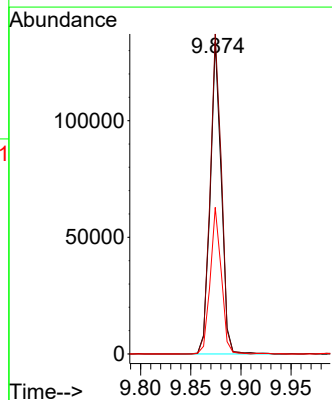
RT: 9.874 min Scan# 1324

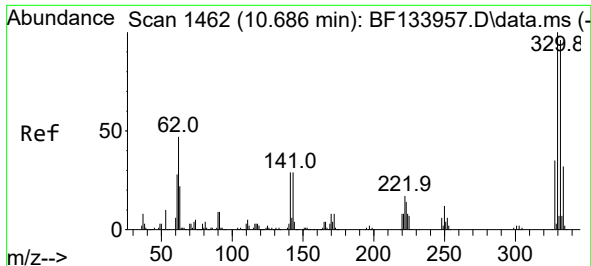
Delta R.T. -0.006 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

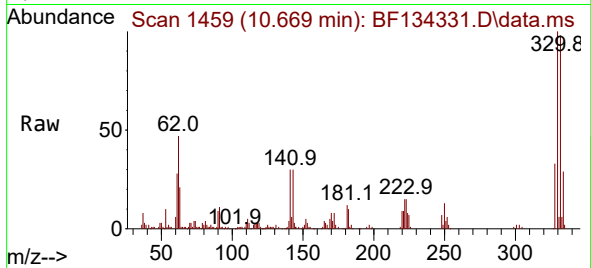
Tgt Ion:164 Resp: 103373
 Ion Ratio Lower Upper
 164 100
 162 102.5 80.0 120.0
 160 46.9 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 30.551 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

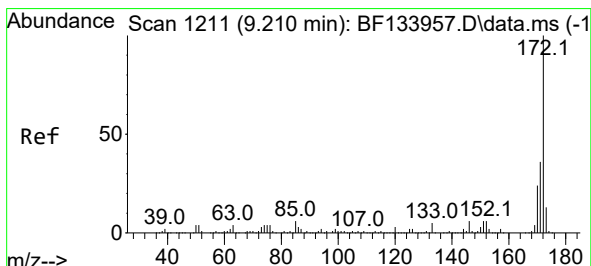
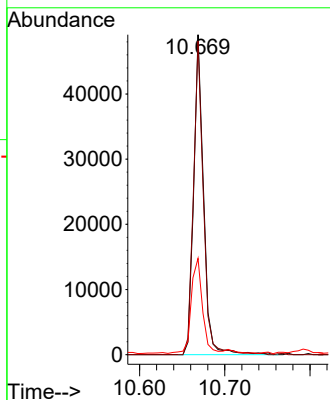
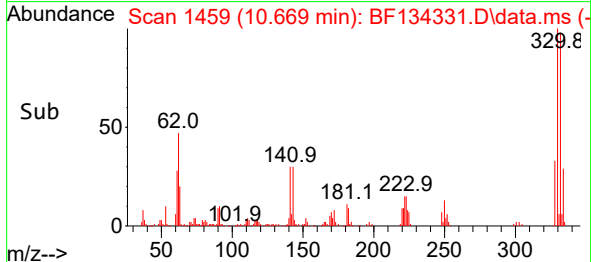
Instrument :
BNA_F
ClientSampleId :
OR-03-071323



Tgt Ion: 330 Resp: 39597
Ion Ratio Lower Upper
330 100
332 98.9 77.0 115.6
141 33.3 26.3 39.5

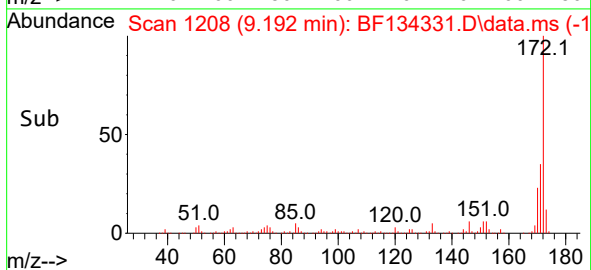
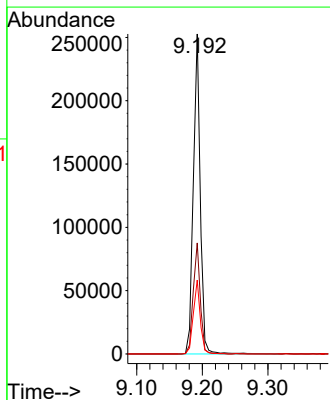
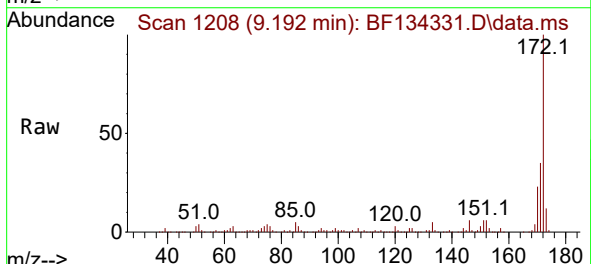
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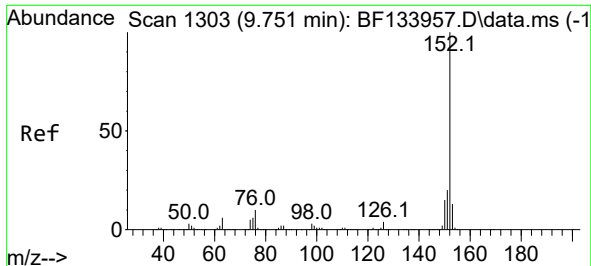
Reviewed By : Yogesh Patel 07/19/2023
Supervised By : mohammad ahmed 07/19/2023



#45
2-Fluorobiphenyl
Concen: 26.143 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

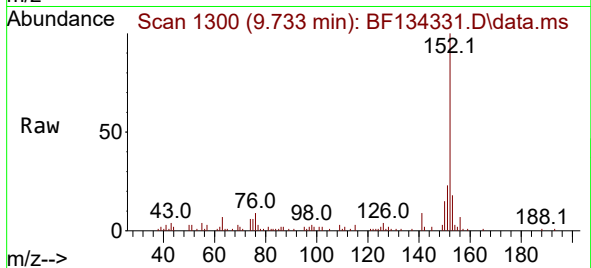
Tgt Ion: 172 Resp: 185879
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.1 19.4 29.0





#49
Acenaphthylene
Concen: 2.430 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

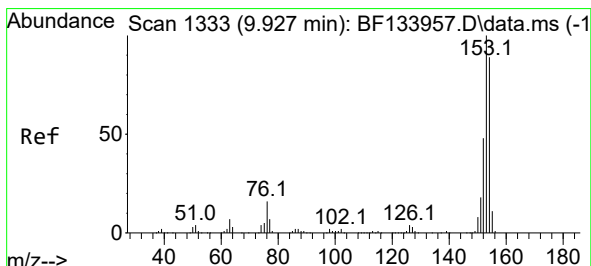
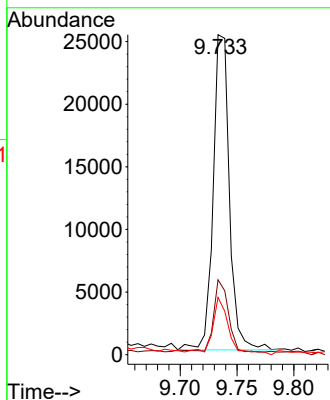
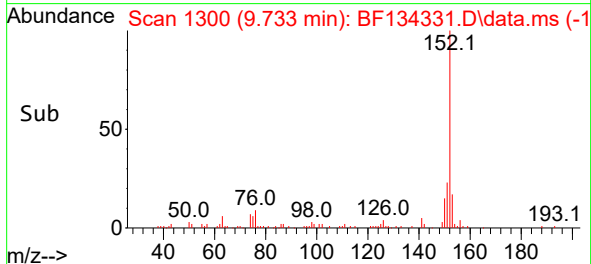
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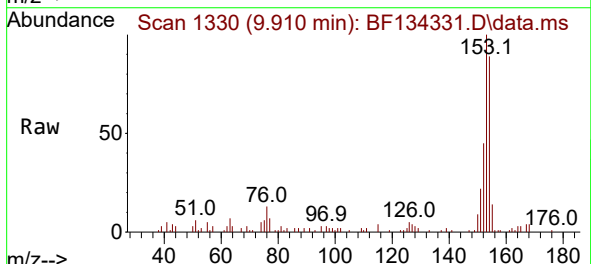
Tgt Ion:152 Resp: 2518
Ion Ratio Lower Upper
152 100
151 23.4 16.2 24.2
153 17.9 10.8 16.2

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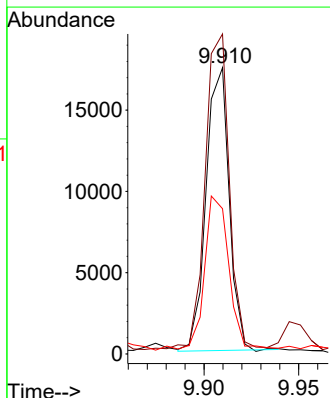
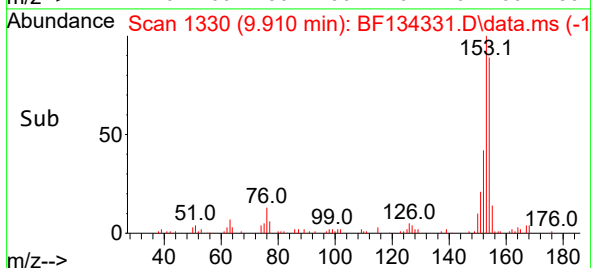
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

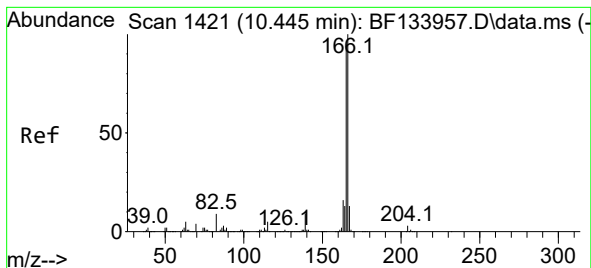


#52
Acenaphthene
Concen: 2.452 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43



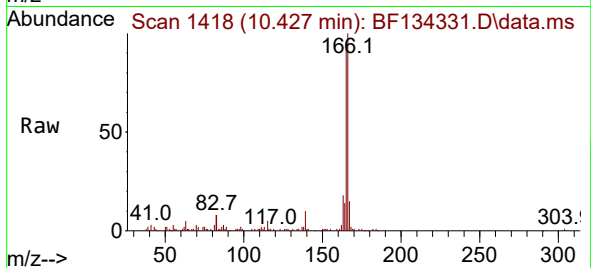
Tgt Ion:154 Resp: 14743
Ion Ratio Lower Upper
154 100
153 111.8 89.4 134.2
152 50.7 42.8 64.2





#58
Fluorene
Concen: 4.783 ng
RT: 10.427 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

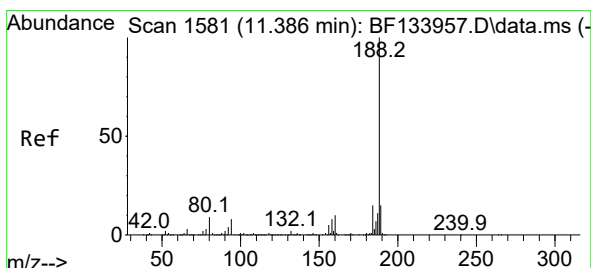
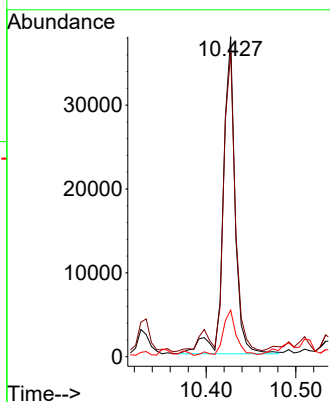
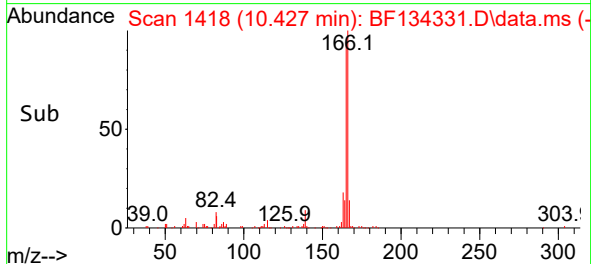
Instrument :
BNA_F
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OR-03-071323



Tgt Ion:166 Resp: 3497
Ion Ratio Lower Upper
166 100
165 95.2 75.0 112.4
167 14.5 10.6 15.8

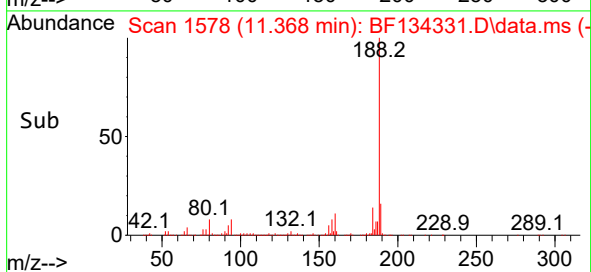
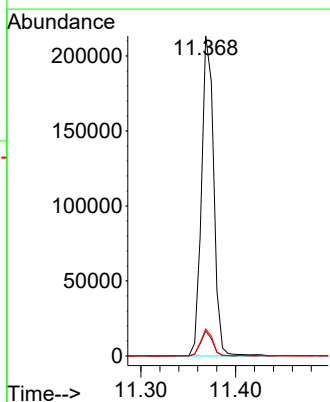
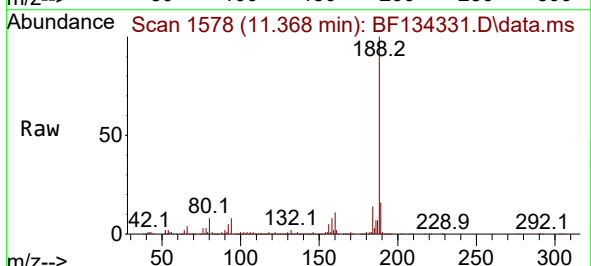
Manual Integrations
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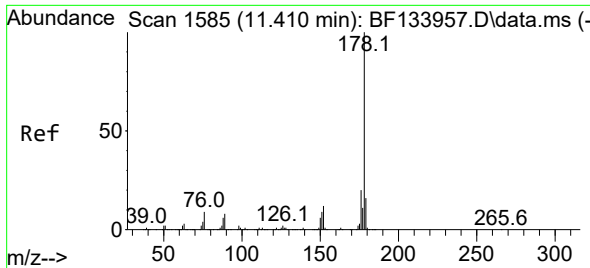
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

Tgt Ion:188 Resp: 190970
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.5 7.3 10.9





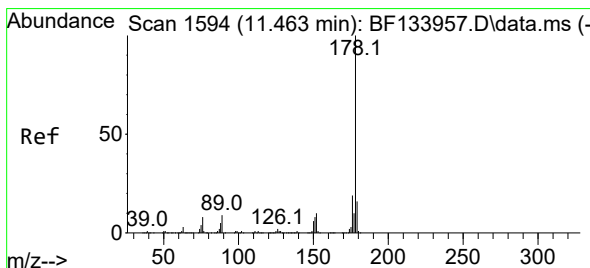
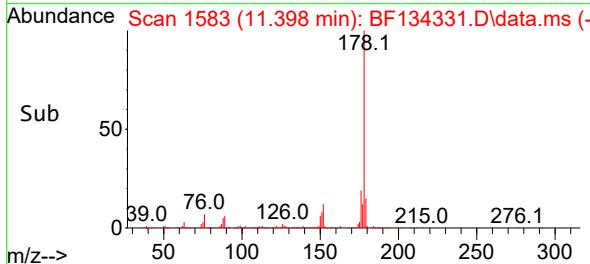
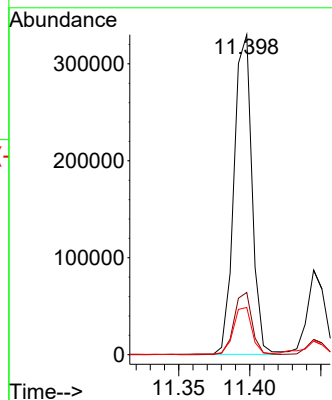
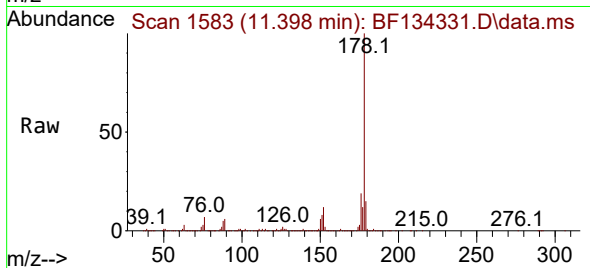
#71
Phenanthrene
Concen: 30.348 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

Instrument :
BNA_F
ClientSampleId :
OR-03-071323

Tgt Ion:178 Resp: 29175
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 14.7 12.4 18.6

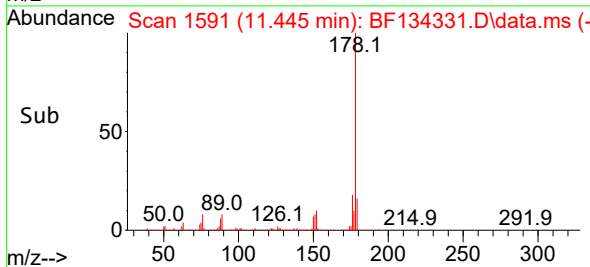
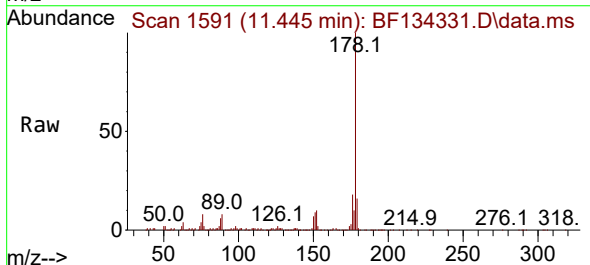
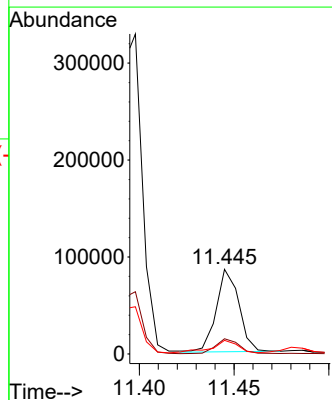
Manual Integrations
APPROVED

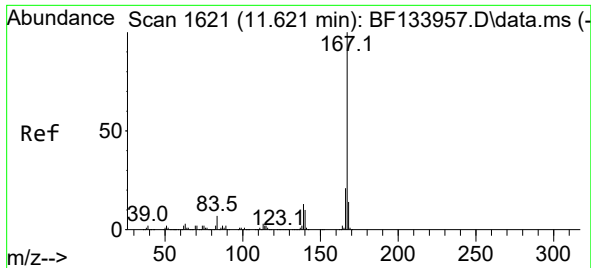
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#72
Anthracene
Concen: 7.125 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

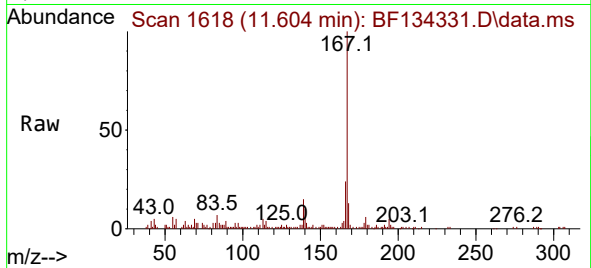
Tgt Ion:178 Resp: 71247
Ion Ratio Lower Upper
178 100
176 18.0 15.3 22.9
179 16.2 12.4 18.6





#73
 Carbazole
 Concen: 3.353 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.012 min
 Lab File: BF134331.D
 Acq: 17 Jul 2023 23:43

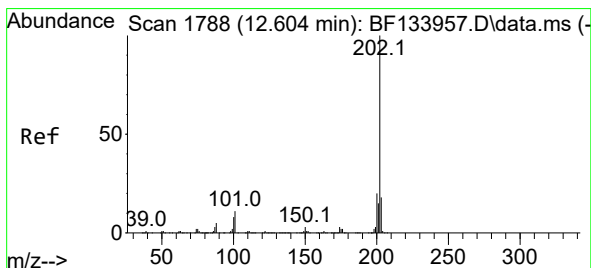
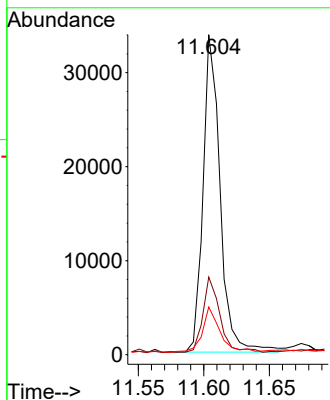
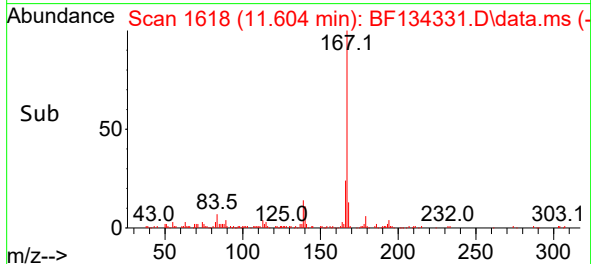
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071323



Tgt Ion:167 Resp: 3069
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.0 25.6
 139 14.9 10.4 15.6

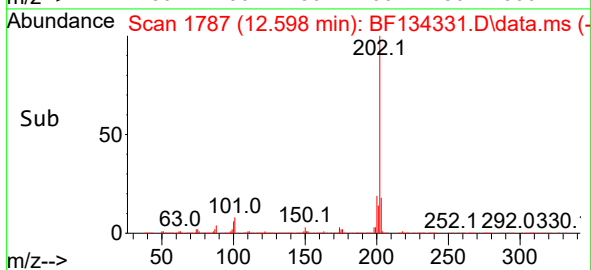
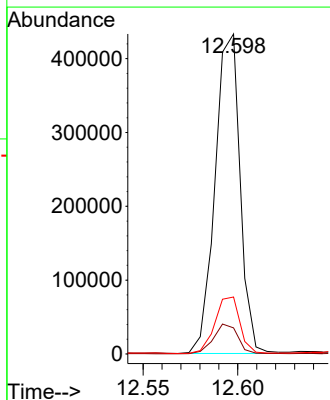
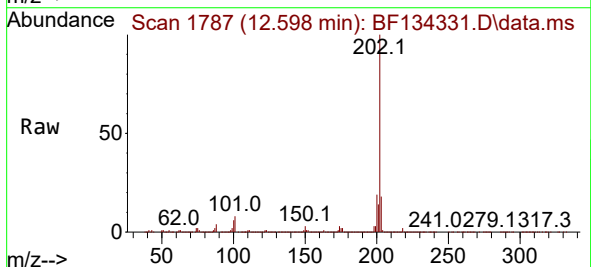
Manual Integrations
 APPROVED

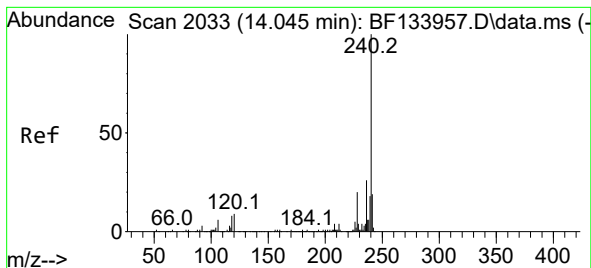
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#75
 Fluoranthene
 Concen: 38.306 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.000 min
 Lab File: BF134331.D
 Acq: 17 Jul 2023 23:43

Tgt Ion:202 Resp: 398131
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 31.0
 203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

Instrument :

BNA_F

ClientSampleId :

OR-03-071323

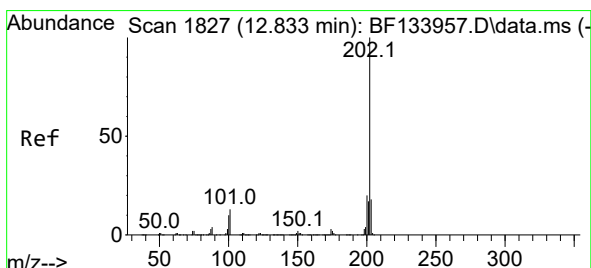
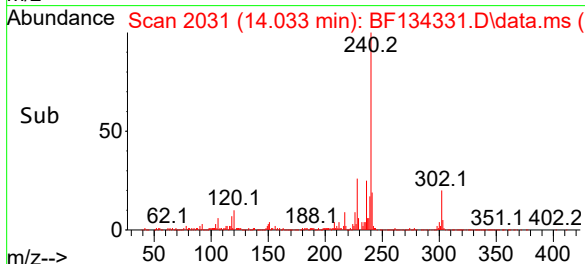
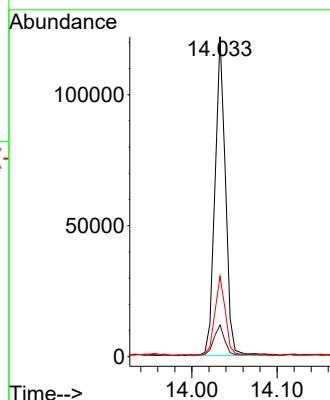
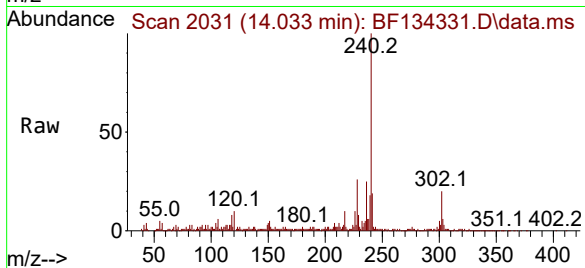
Tgt Ion:240 Resp: 104550
 Ion Ratio Lower Upper
 240 100
 120 9.9 7.4 11.0
 236 25.2 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#78

Pyrene

Concen: 35.040 ng

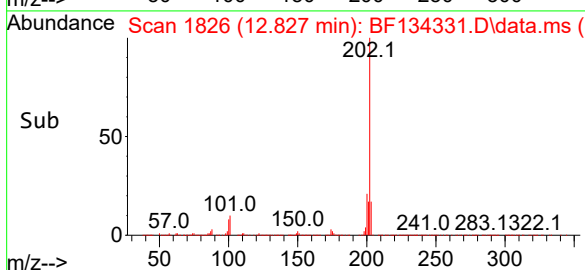
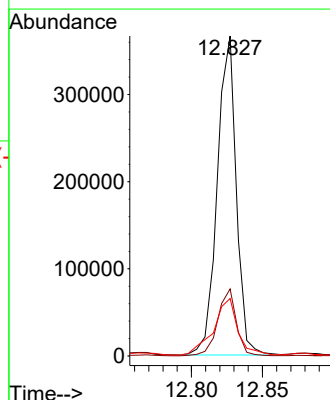
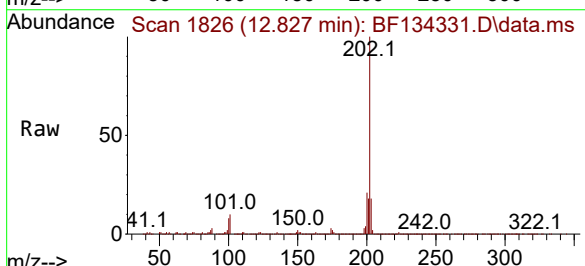
RT: 12.827 min Scan# 1826

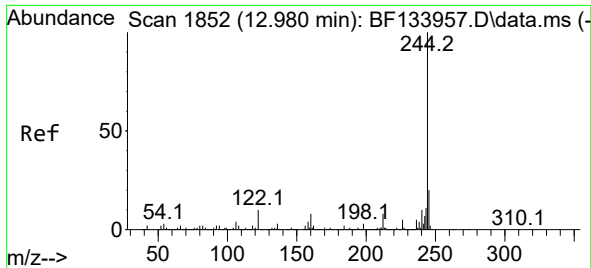
Delta R.T. -0.006 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

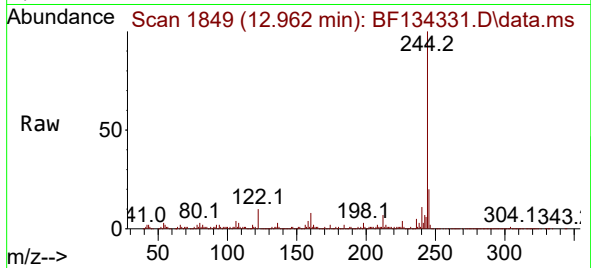
Tgt Ion:202 Resp: 340931
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.1 24.1
 203 17.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 26.925 ng
 RT: 12.962 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134331.D
 Acq: 17 Jul 2023 23:43

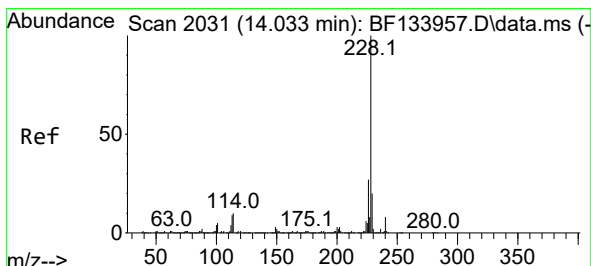
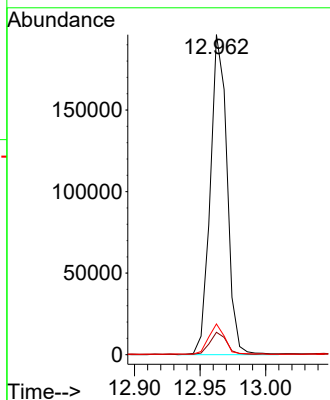
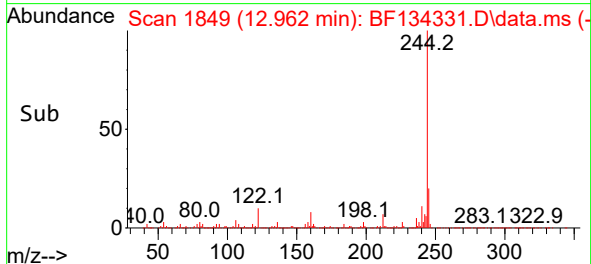
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-071323



Tgt Ion:244 Resp: 174909
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.6 8.3 12.5

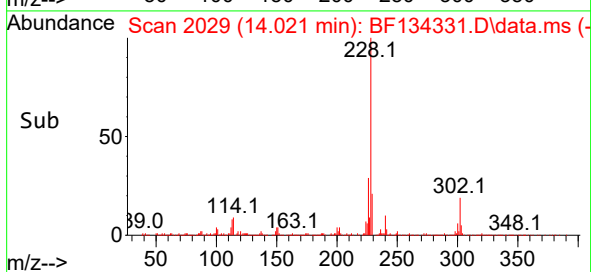
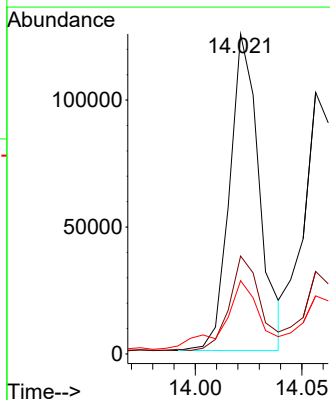
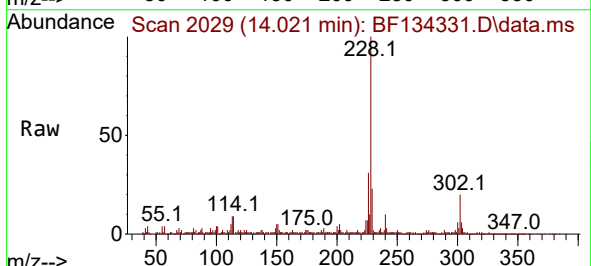
Manual Integrations
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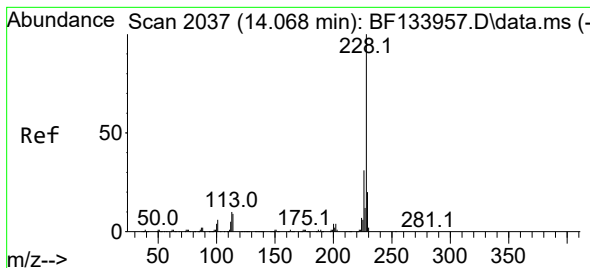
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#81
 Benzo(a)anthracene
 Concen: 16.742 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134331.D
 Acq: 17 Jul 2023 23:43

Tgt Ion:228 Resp: 121395
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.0 33.0
 229 22.9 16.3 24.5





#83

Chrysene

Concen: 14.927 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

Instrument :

BNA_F

ClientSampleId :

OR-03-071323

Tgt Ion:228 Resp: 104830

Ion Ratio Lower Upper

228 100

226 31.6 24.4 36.6

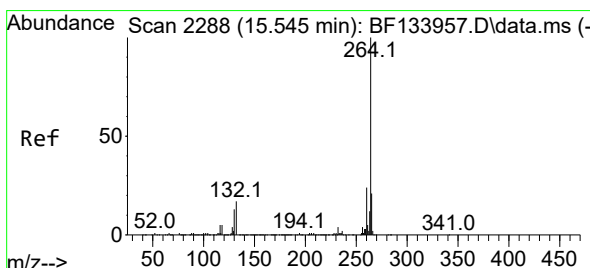
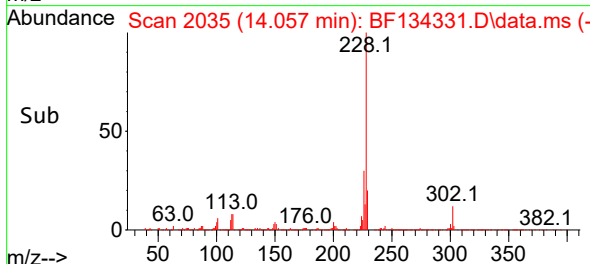
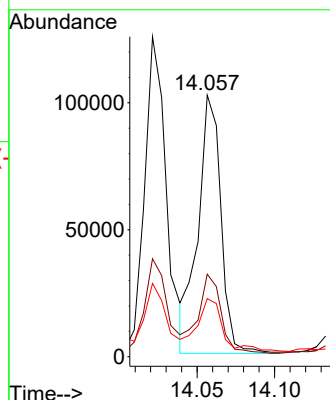
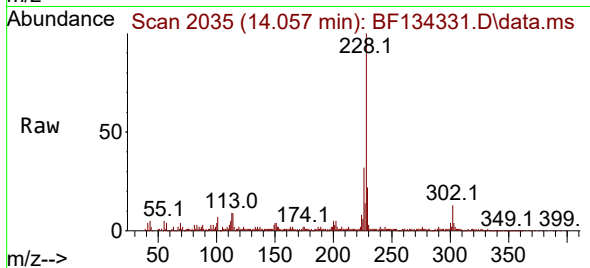
229 22.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

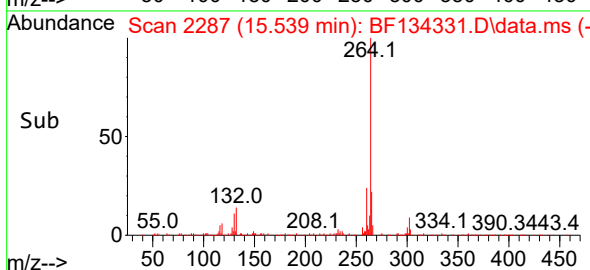
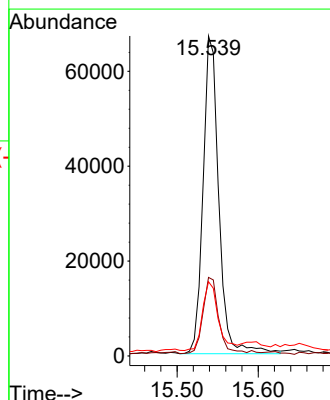
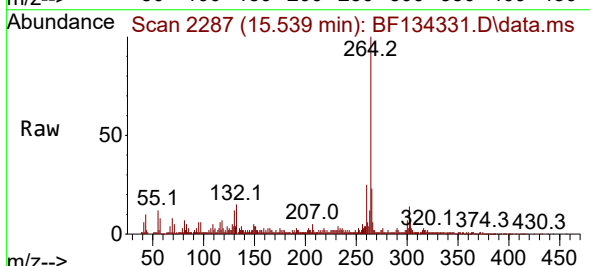
Tgt Ion:264 Resp: 89955

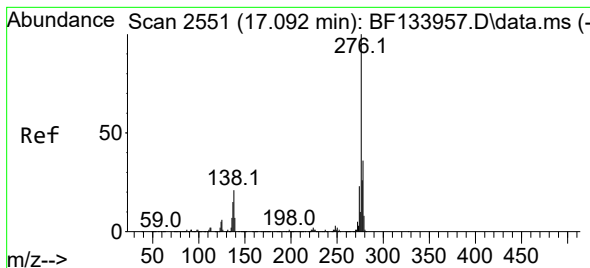
Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 23.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.978 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

Instrument :

BNA_F

ClientSampleId :

OR-03-071323

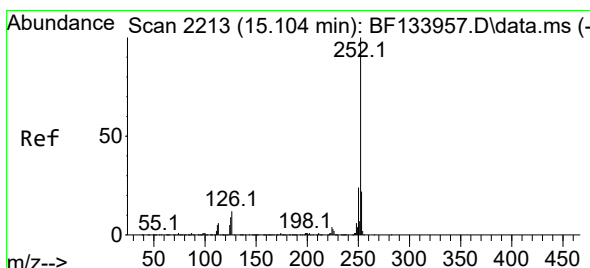
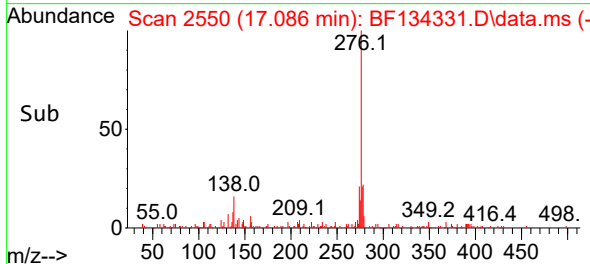
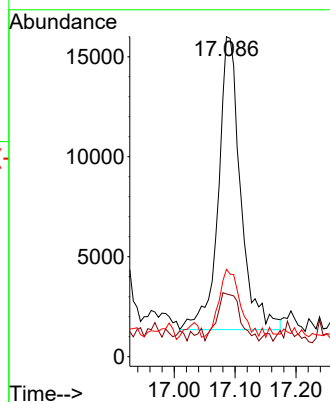
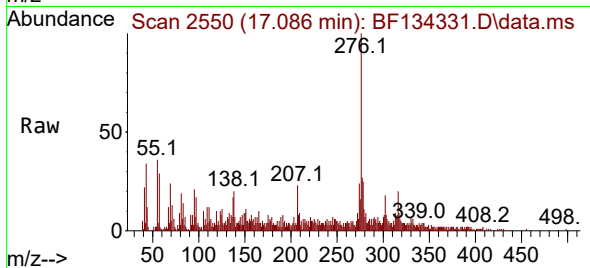
Tgt Ion:	276	Resp:	3731
Ion Ratio	Lower	Upper	
276	100		
138	16.6	18.7	28.1
277	21.1	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023

Supervised By :mohammad ahmed 07/19/2023



#88

Benzo(b)fluoranthene

Concen: 18.921 ng m

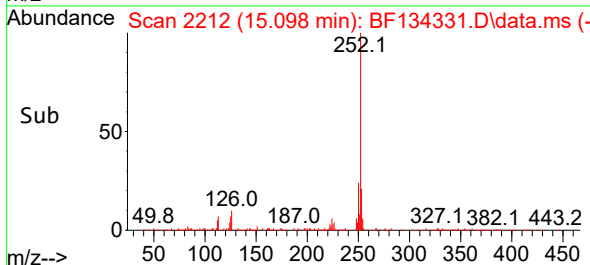
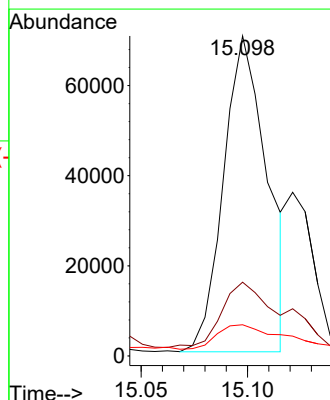
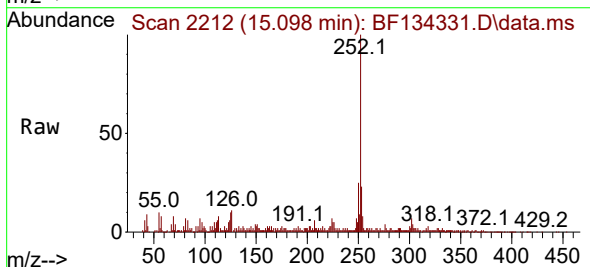
RT: 15.098 min Scan# 2212

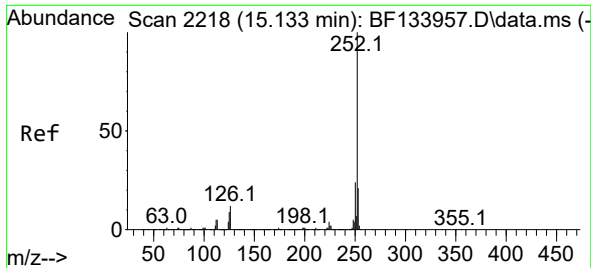
Delta R.T. -0.006 min

Lab File: BF134331.D

Acq: 17 Jul 2023 23:43

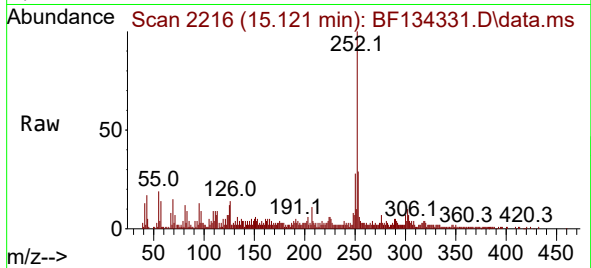
Tgt Ion:	252	Resp:	100083
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	9.7	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 5.590 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

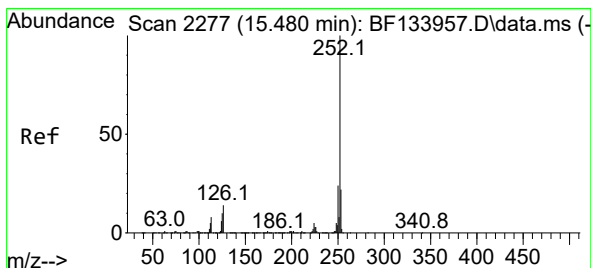
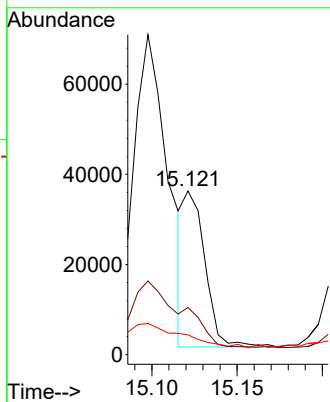
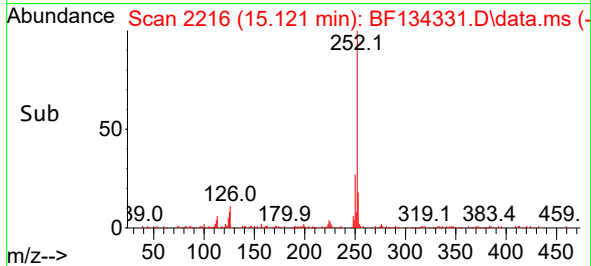
Instrument :
BNA_F
ClientSampleId :
OR-03-071323



Tgt Ion:252 Resp: 3010
Ion Ratio Lower Upper
252 100
253 28.8 16.9 25.3
125 12.1 7.4 11.2

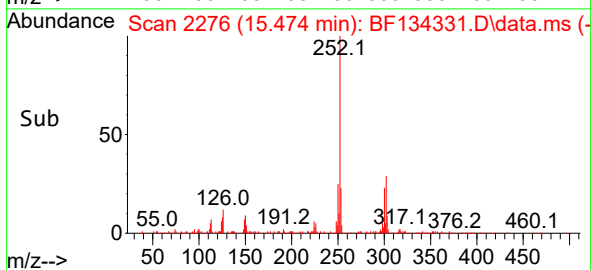
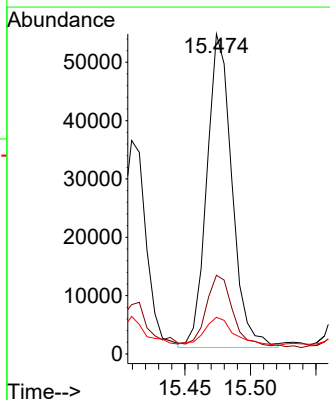
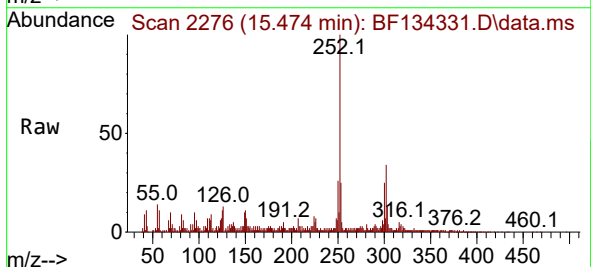
Manual Integrations
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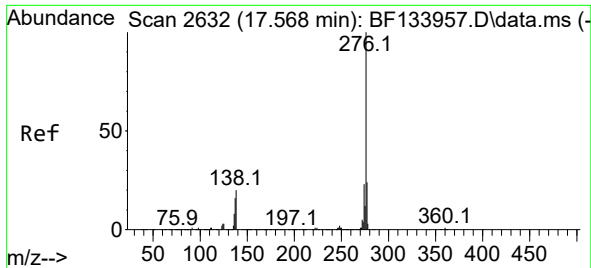
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#90
Benzo(a)pyrene
Concen: 14.026 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

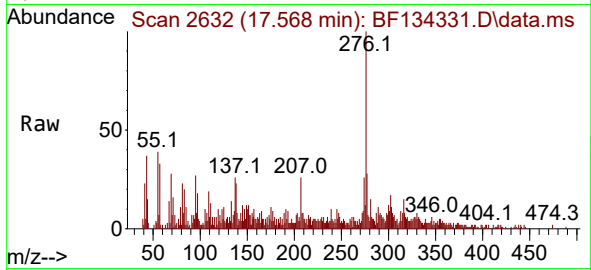
Tgt Ion:252 Resp: 71740
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 11.5 8.4 12.6





#92
Benzo(g,h,i)perylene
Concen: 7.663 ng
RT: 17.568 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134331.D
Acq: 17 Jul 2023 23:43

Instrument :
BNA_F
ClientSampleId :
OR-03-071323



Tgt Ion:276 Resp: 40290
Ion Ratio Lower Upper
276 100
277 28.3 19.0 28.6
138 23.1 16.2 24.2

Manual Integrations
APPROVED

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

