

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134256.D
 Acq On : 12 Jul 2023 20:22
 Operator : CG\JU
 Sample : 03555-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-289

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

Quant Time: Jul 12 23:24:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	90481	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	347972	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	158128	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	241336	20.000	ng	0.00
76) Chrysene-d12	14.045	240	165994	20.000	ng	0.00
86) Perylene-d12	15.551	264	147983	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	343067	63.425	ng	0.00
7) Phenol-d6	6.481	99	418105	62.853	ng	0.00
23) Nitrobenzene-d5	7.404	82	287386	44.520	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	101794	51.343	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	559404	51.434	ng	0.00
79) Terphenyl-d14	12.974	244	418401	40.567	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.145	128	67776	4.032	ng	100
37) 2-Methylnaphthalene	8.834	142	31845	2.679	ng	98
49) Acenaphthylene	9.739	152	64789	4.087	ng	100
55) Dibenzofuran	10.086	168	32835	2.284	ng	# 95
71) Phenanthrene	11.398	178	194510	16.010	ng	98
72) Anthracene	11.451	178	83887	6.638	ng	100
75) Fluoranthene	12.604	202	639740	48.707	ng	98
78) Pyrene	12.833	202	762682	49.371	ng	100
81) Benzo(a)anthracene	14.033	228	358738	31.162	ng	95
83) Chrysene	14.068	228	388711	34.862	ng	96
87) Indeno(1,2,3-cd)pyrene	17.098	276	203532m	19.821	ng	
88) Benzo(b)fluoranthene	15.110	252	663334m	76.232	ng	
89) Benzo(k)fluoranthene	15.133	252	185375m	20.924	ng	
90) Benzo(a)pyrene	15.486	252	339520	40.351	ng	97
91) Dibenzo(a,h)anthracene	17.104	278	56332m	6.716	ng	
92) Benzo(g,h,i)perylene	17.568	276	190856	22.066	ng	99

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

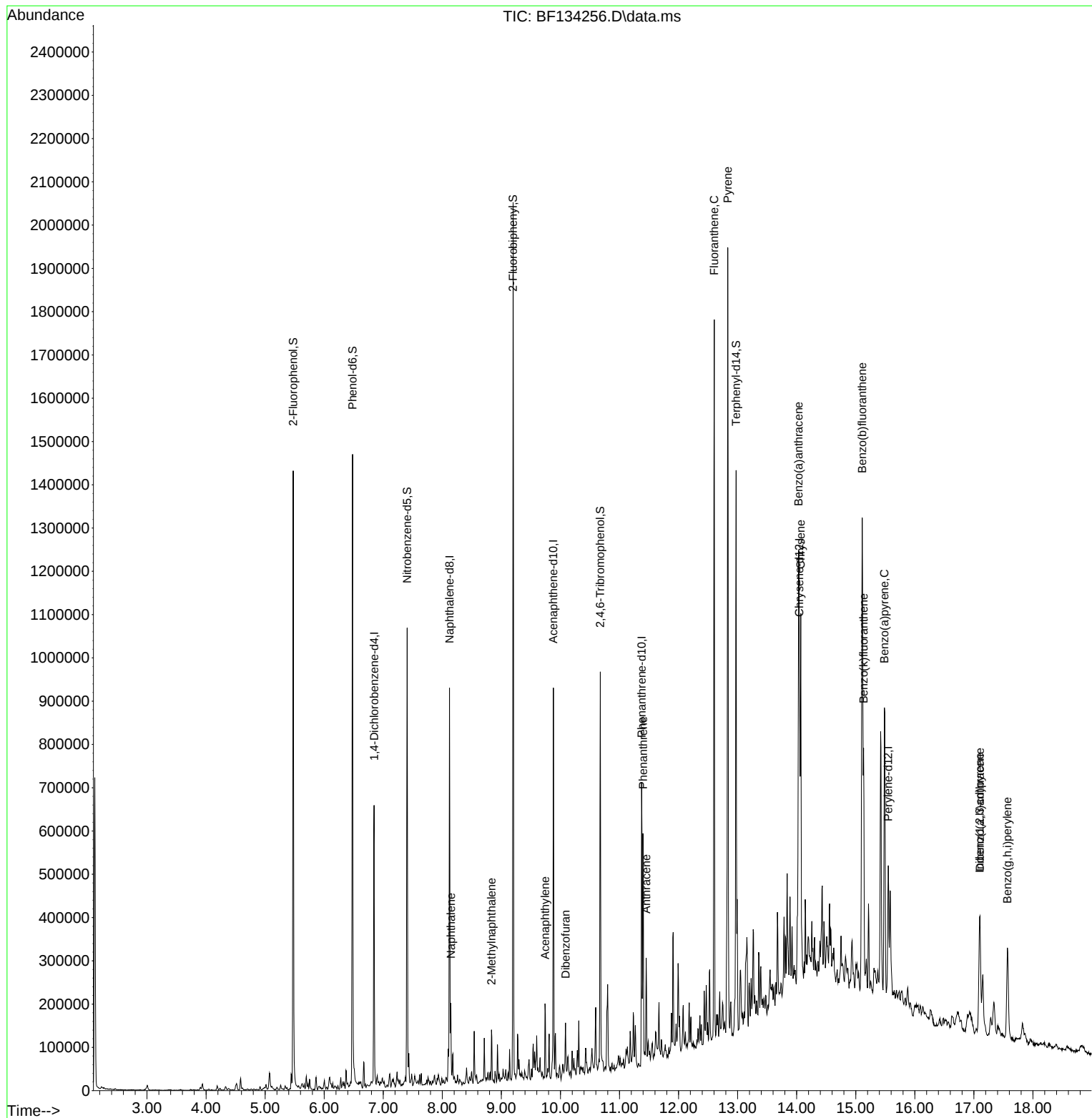
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
Data File : BF134256.D
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ALS Vial : 20 Sample Multiplier: 1

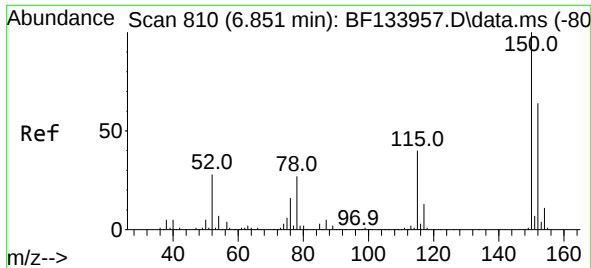
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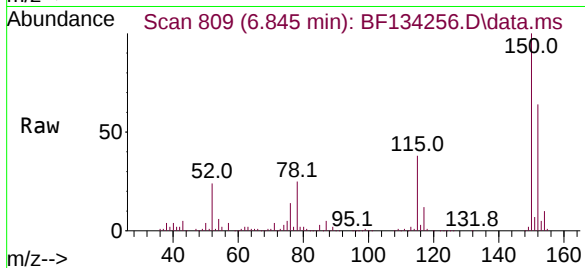
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

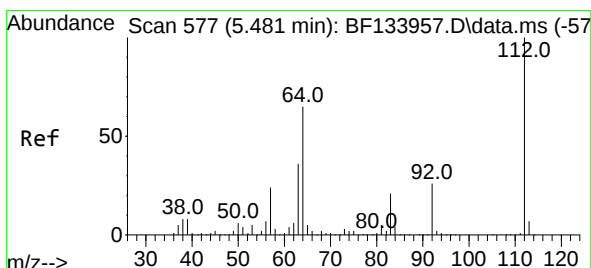
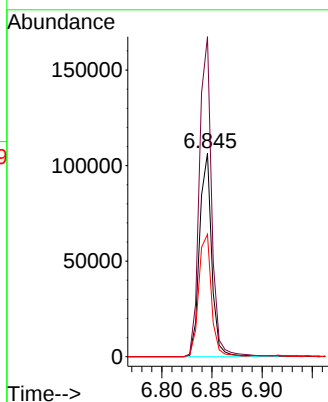
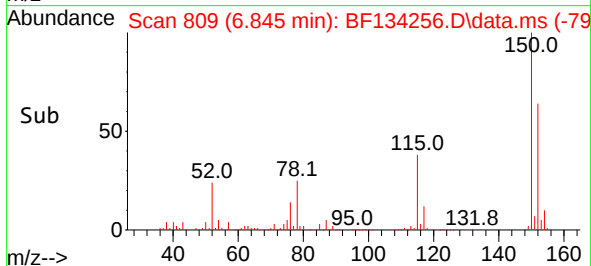
Instrument :
BNA_F
ClientSampleId :
ETGI-289



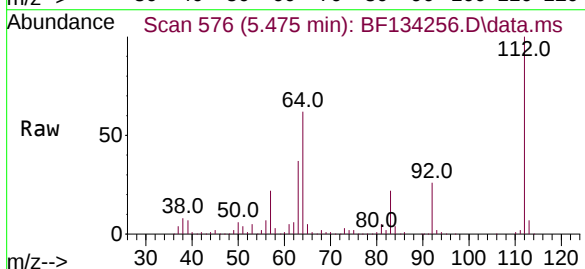
Tgt Ion:152 Resp: 9048
Ion Ratio Lower Upper
152 100
150 157.3 124.5 186.7
115 60.2 50.2 75.2

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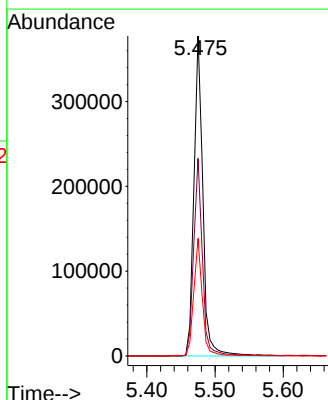
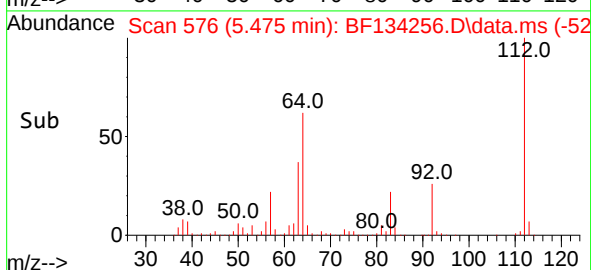
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

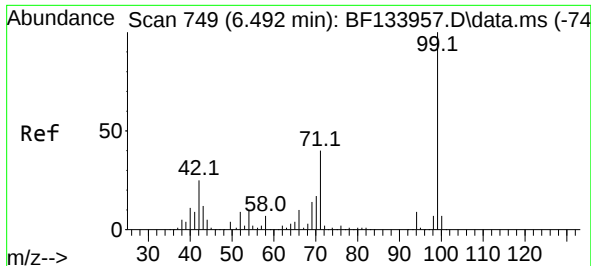


#5
2-Fluorophenol
Concen: 63.425 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22



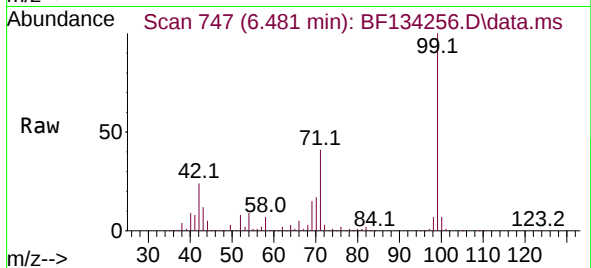
Tgt Ion:112 Resp: 343067
Ion Ratio Lower Upper
112 100
64 61.8 52.1 78.1
63 36.8 28.6 42.8





#7
Phenol-d6
Concen: 62.853 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

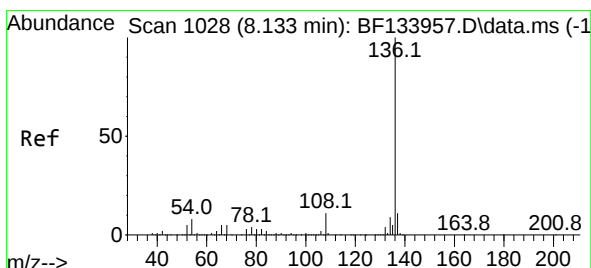
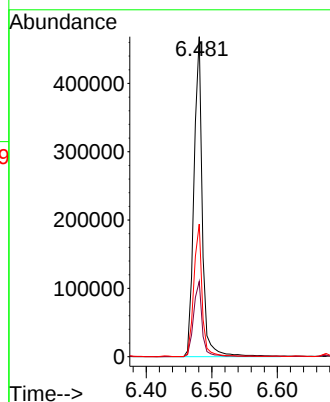
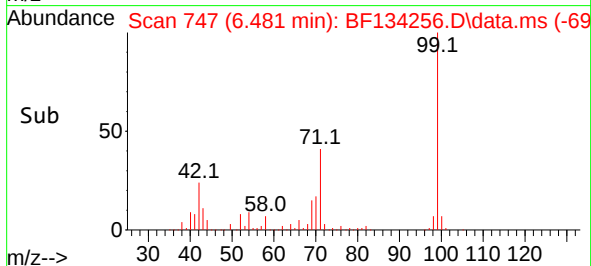
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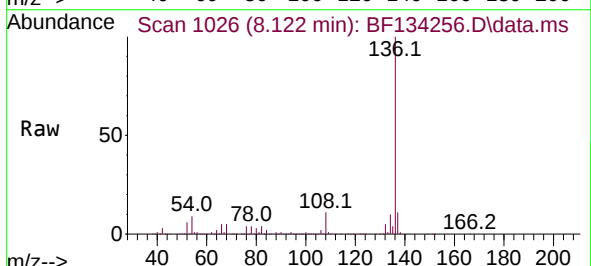
Tgt Ion: 99 Resp: 41810
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 41.5 31.9 47.9

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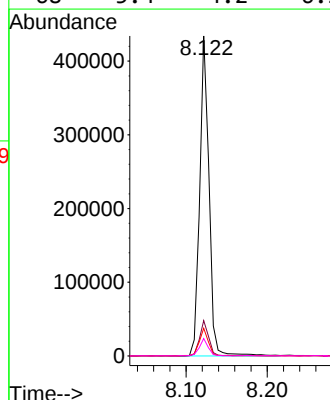
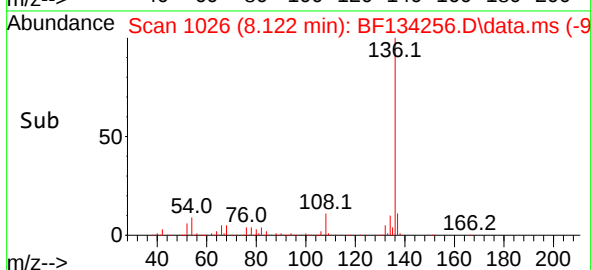
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

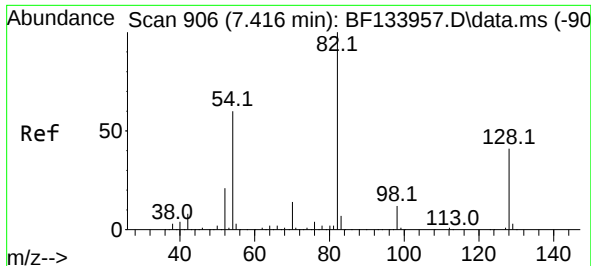


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22



Tgt Ion:136 Resp: 347972
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.7 6.5 9.7
68 5.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 44.520 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

Tgt Ion: 82 Resp: 287380

Ion Ratio Lower Upper

82 100

128 40.7 32.5 48.7

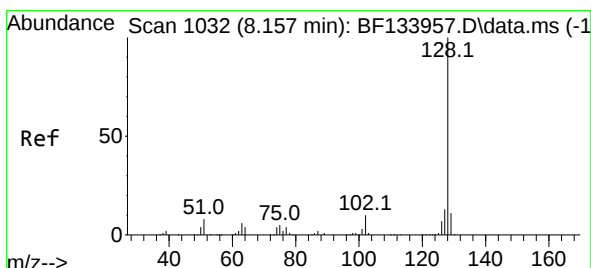
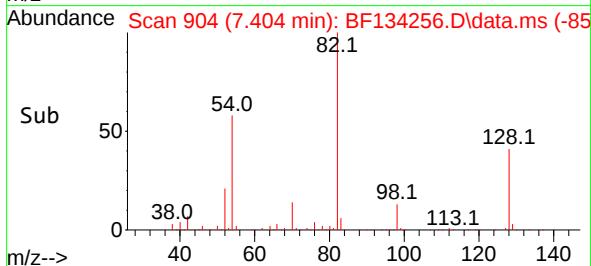
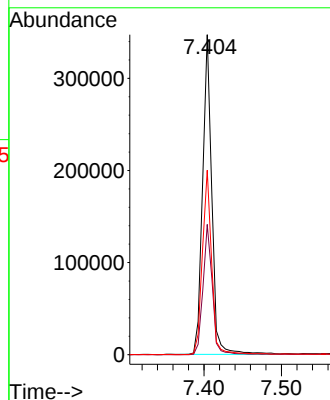
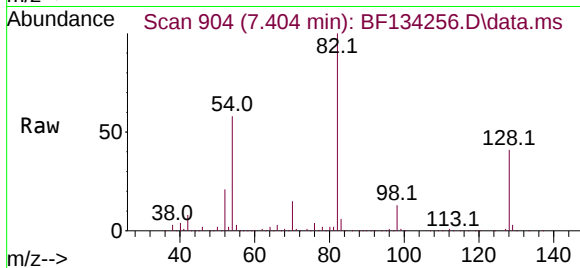
54 57.7 48.2 72.2

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#31

Naphthalene

Concen: 4.032 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

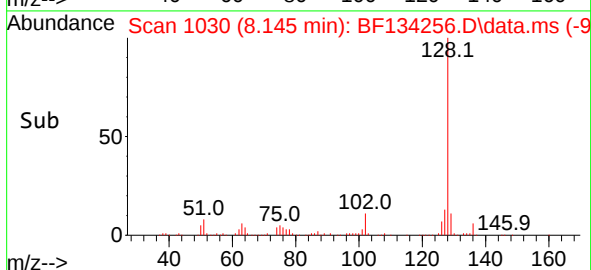
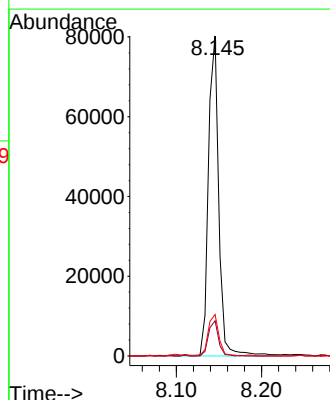
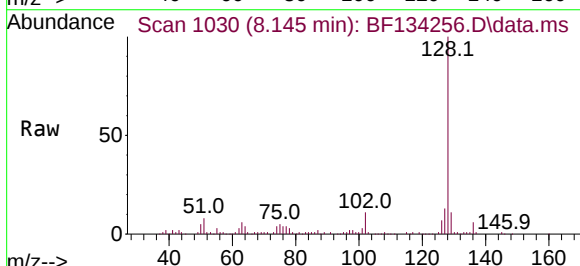
Tgt Ion:128 Resp: 67776

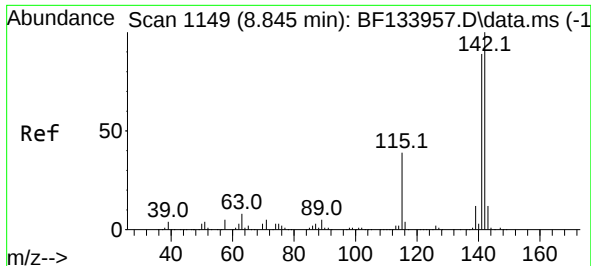
Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 12.9 10.6 15.8





#37

2-Methylnaphthalene

Concen: 2.679 ng

RT: 8.834 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

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Tgt Ion:142 Resp: 3184

Ion Ratio Lower Upper

142 100

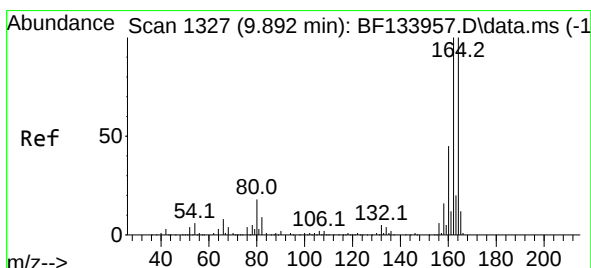
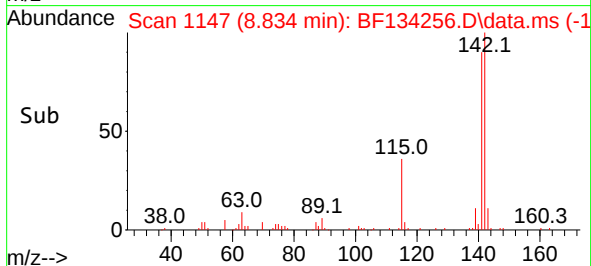
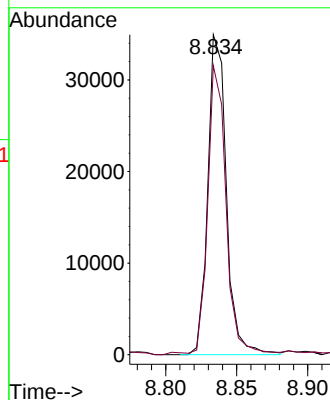
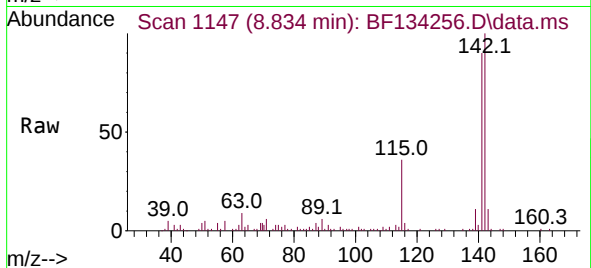
141 90.3 71.0 106.4

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Supervised By :mohammad ahmed 07/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

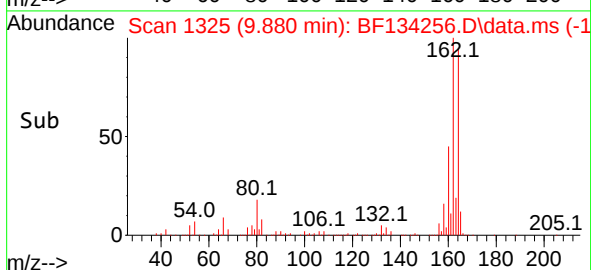
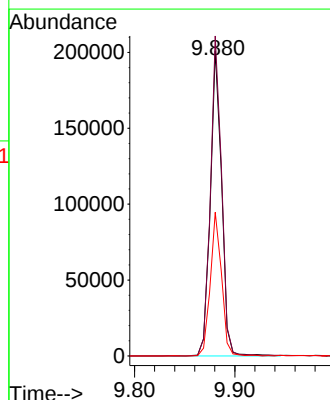
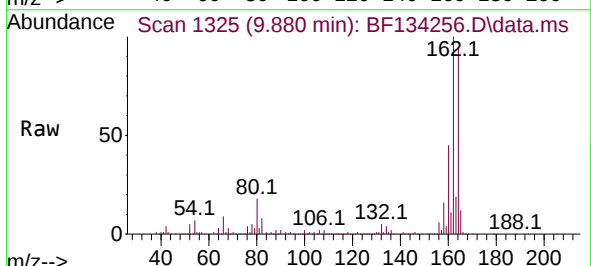
Tgt Ion:164 Resp: 158128

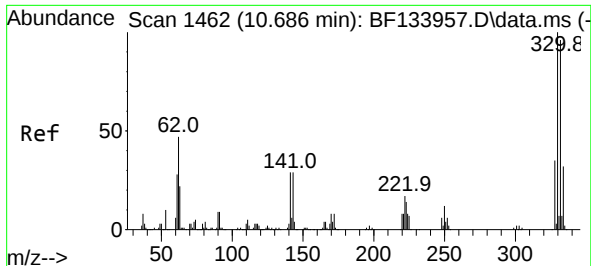
Ion Ratio Lower Upper

164 100

162 104.8 80.0 120.0

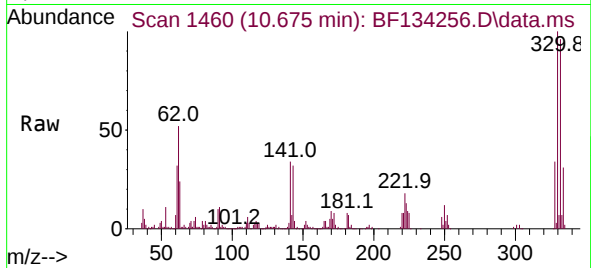
160 47.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 51.343 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

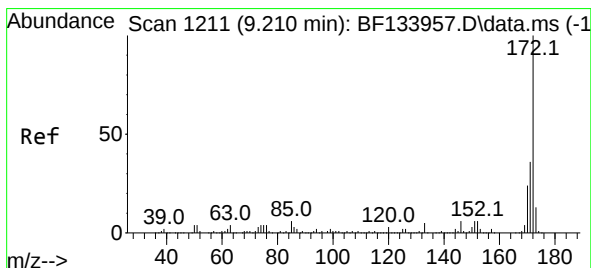
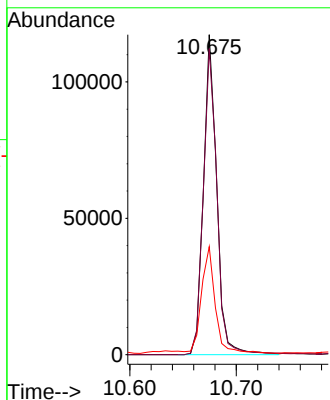
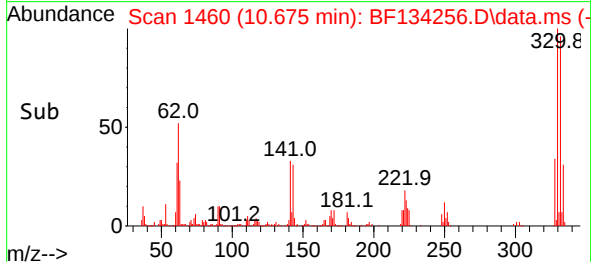
Instrument :
BNA_F
ClientSampleId :
ETGI-289



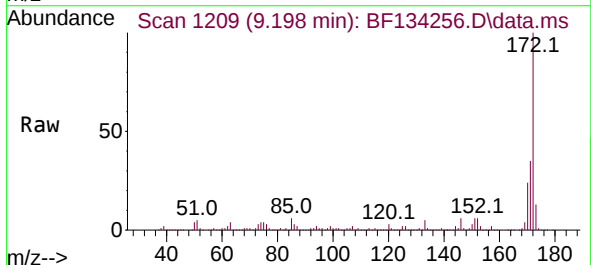
Tgt Ion: 330 Resp: 101794
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 35.4 26.3 39.5

Manual Integrations
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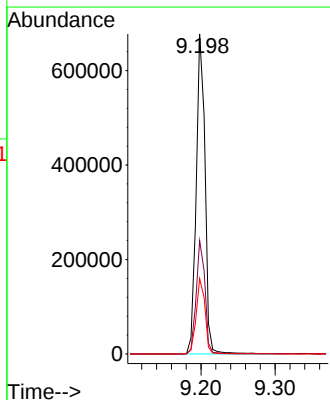
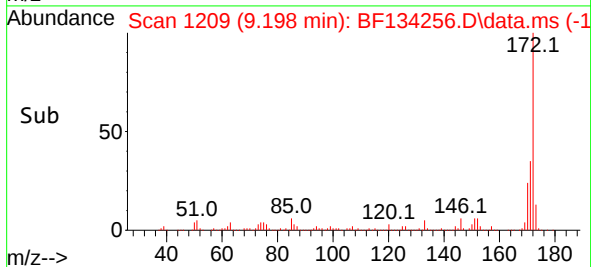
Reviewed By : Yogesh Patel 07/13/2023
Supervised By : mohammad ahmed 07/13/2023

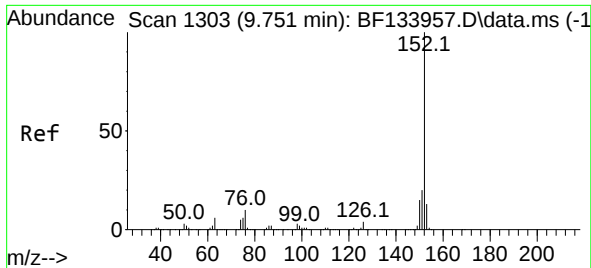


#45
2-Fluorobiphenyl
Concen: 51.434 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22



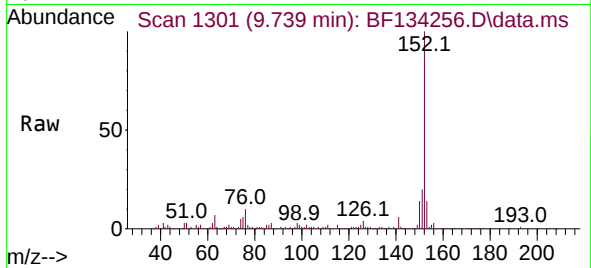
Tgt Ion: 172 Resp: 559404
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.4 29.0





#49
Acenaphthylene
Concen: 4.087 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

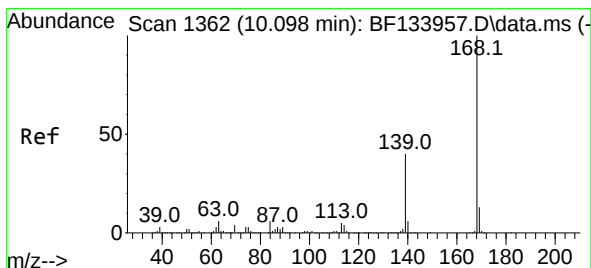
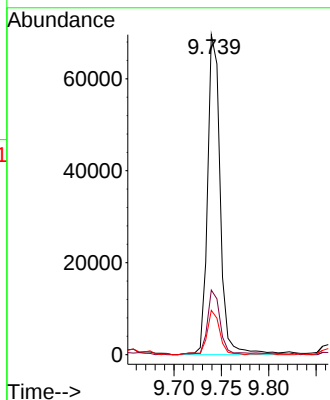
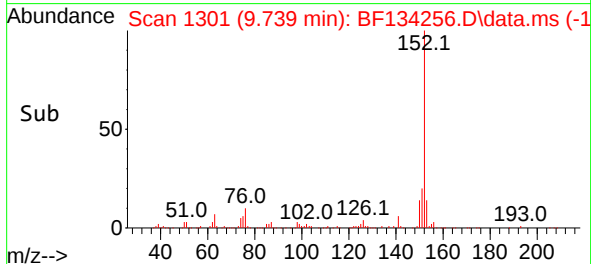
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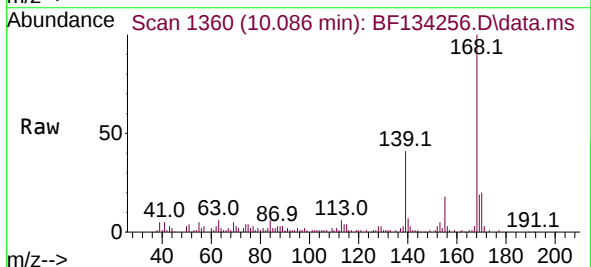
Tgt Ion:152 Resp: 64789
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.8 10.8 16.2

Manual Integrations
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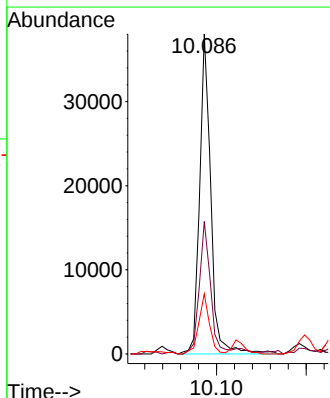
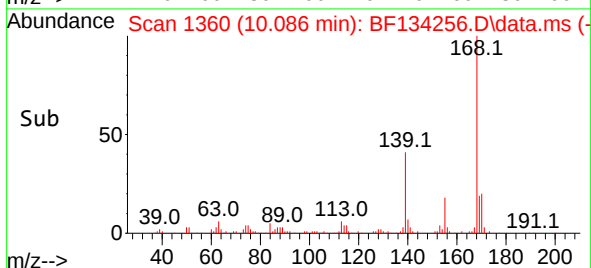
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

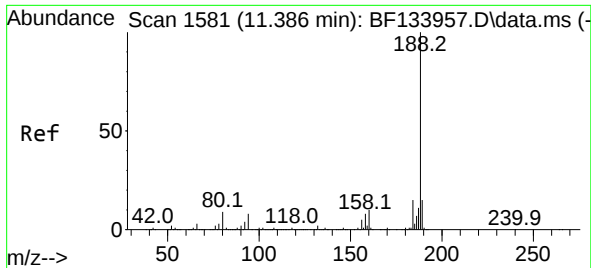


#55
Dibenzofuran
Concen: 2.284 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22



Tgt Ion:168 Resp: 32835
Ion Ratio Lower Upper
168 100
139 41.4 32.0 48.0
169 18.8 10.6 16.0#





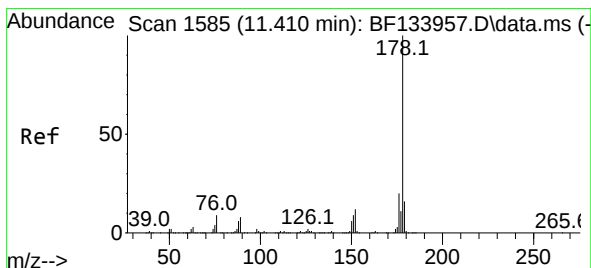
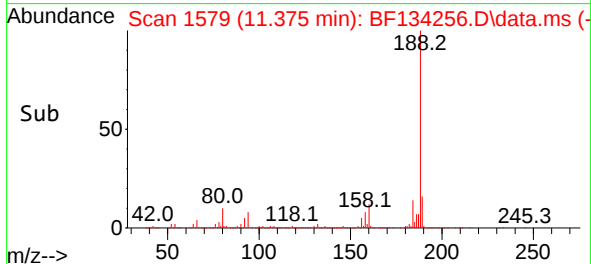
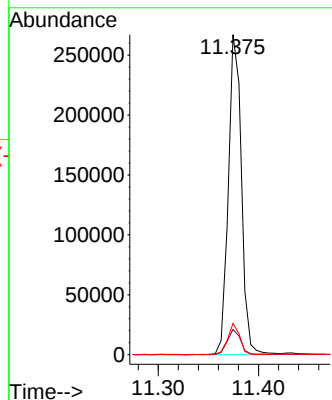
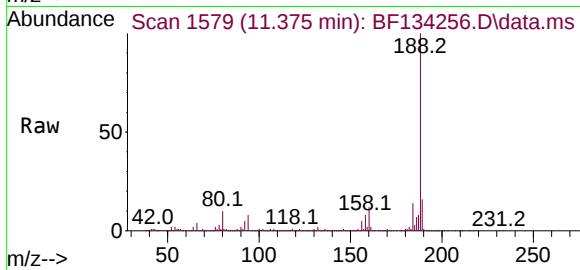
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Instrument :
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Tgt Ion:188 Resp: 241330
Ion Ratio Lower Upper
188 100
94 7.9 6.4 9.6
80 9.7 7.3 10.9

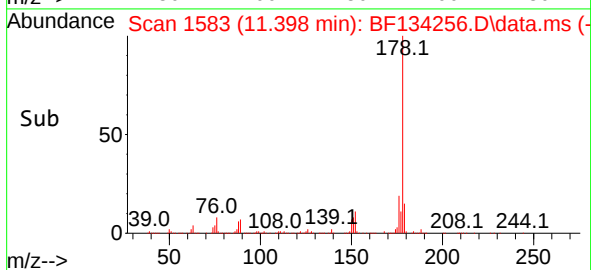
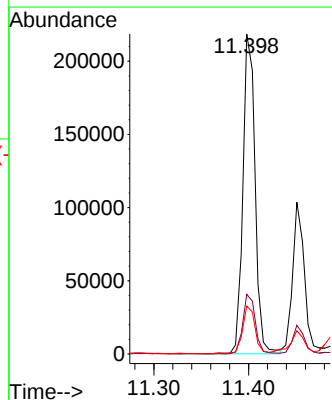
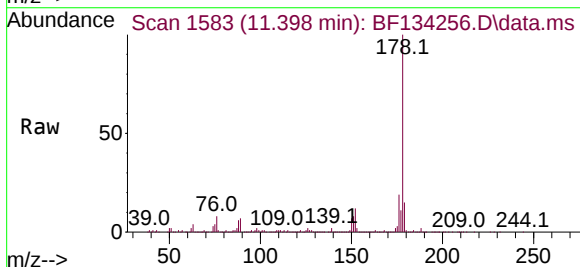
Manual Integrations
APPROVED

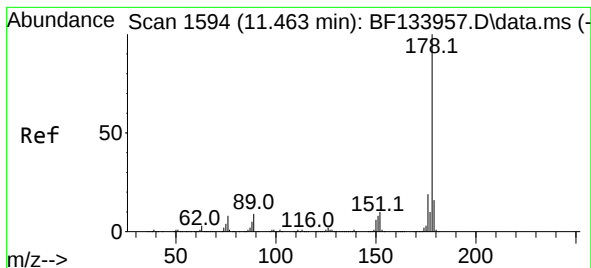
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#71
Phenanthrene
Concen: 16.010 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion:178 Resp: 194510
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.0 12.4 18.6





#72

Anthracene

Concen: 6.638 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

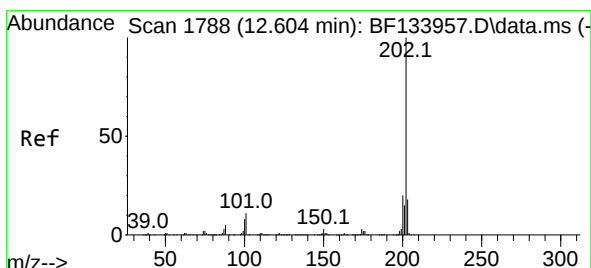
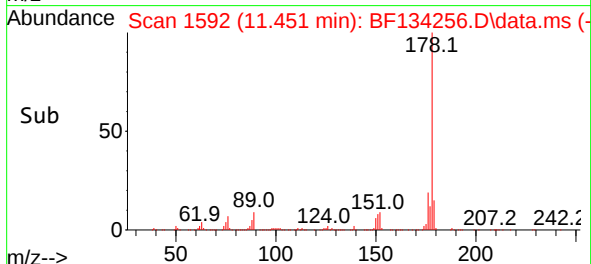
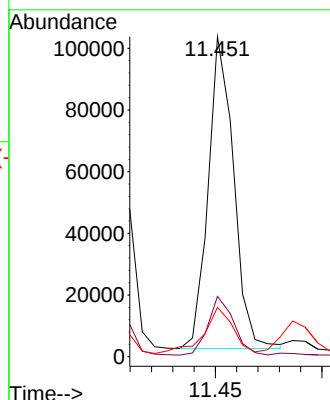
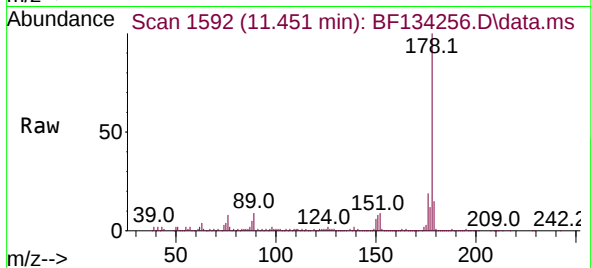
ETGI-289

Tgt Ion:178 Resp: 8388
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 15.4 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023



#75

Fluoranthene

Concen: 48.707 ng

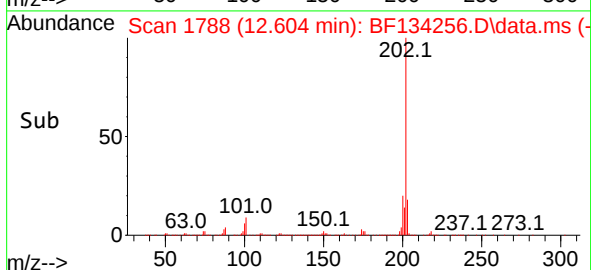
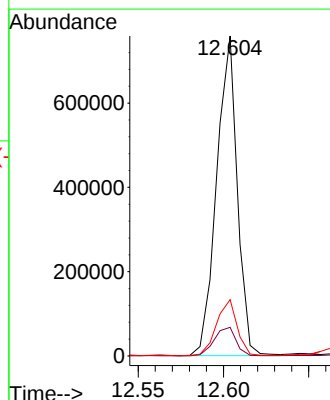
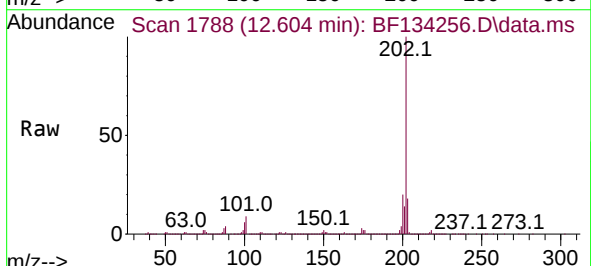
RT: 12.604 min Scan# 1788

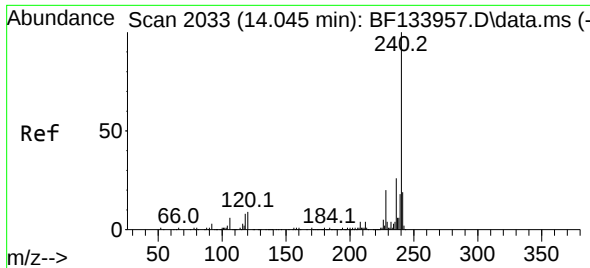
Delta R.T. 0.000 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

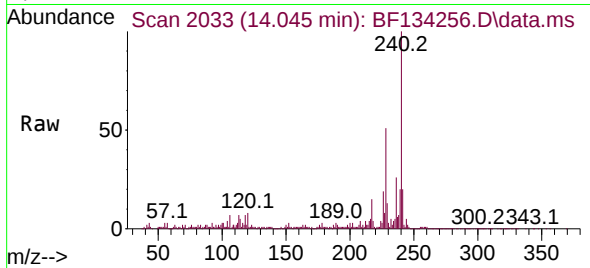
Tgt Ion:202 Resp: 639740
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.0
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

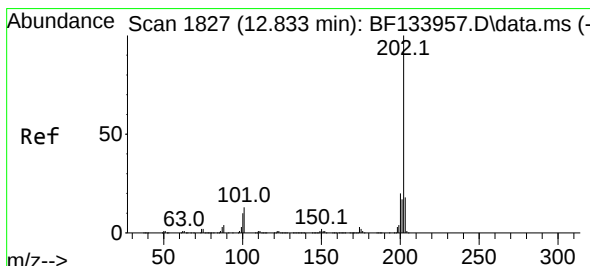
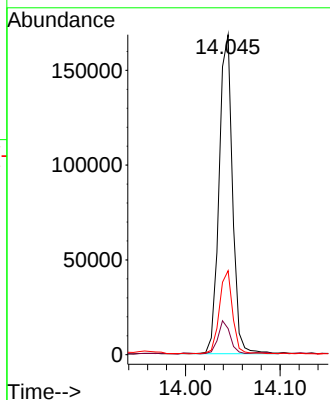
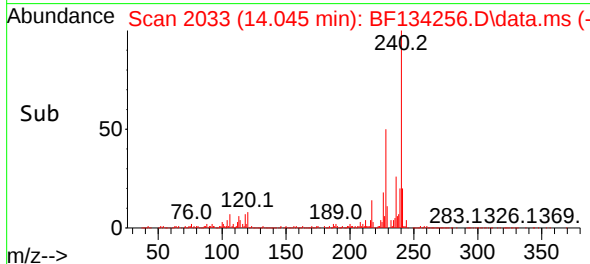
Instrument :
BNA_F
ClientSampleId :
ETGI-289



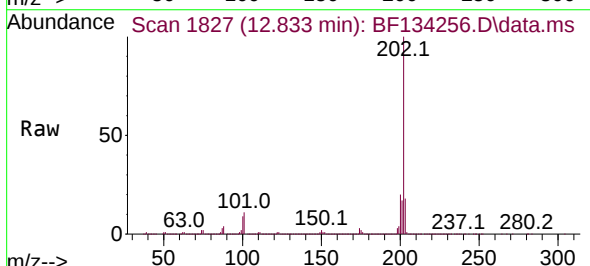
Tgt Ion:240 Resp: 165994
Ion Ratio Lower Upper
240 100
120 8.2 7.4 11.0
236 26.2 21.0 31.6

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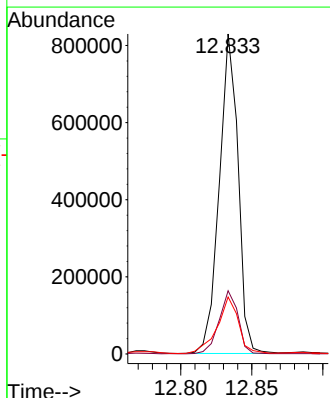
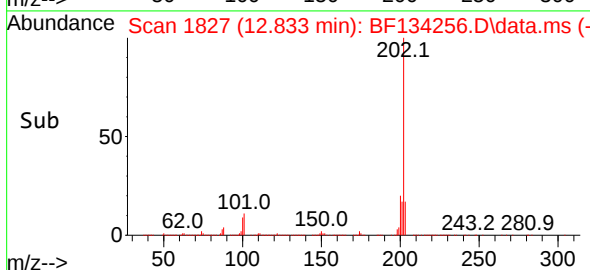
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

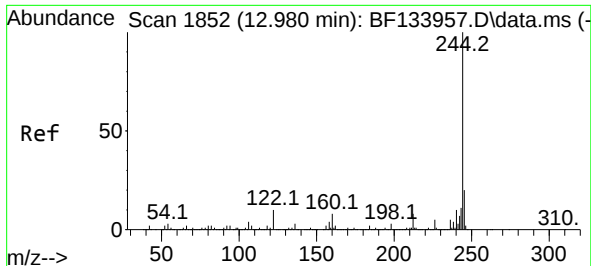


#78
Pyrene
Concen: 49.371 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22



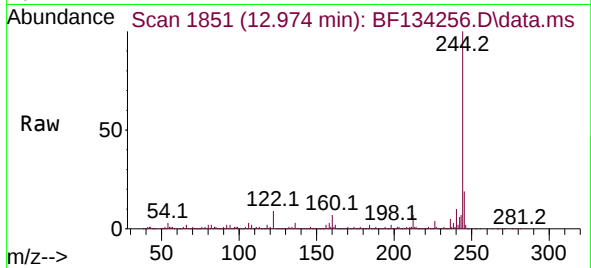
Tgt Ion:202 Resp: 762682
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.8 14.3 21.5





#79
 Terphenyl-d14
 Concen: 40.567 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF134256.D
 Acq: 12 Jul 2023 20:22

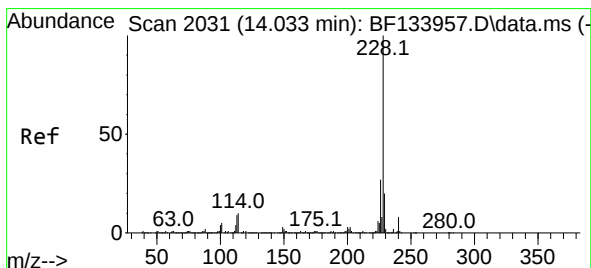
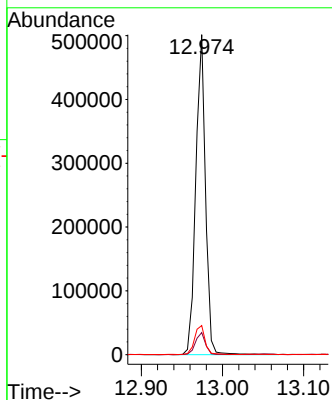
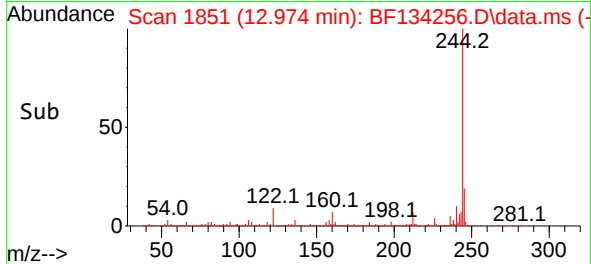
Instrument :
 BNA_F
 ClientSampleId :
 ETGI-289



Tgt Ion:244 Resp: 41840
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.1 8.3 12.5

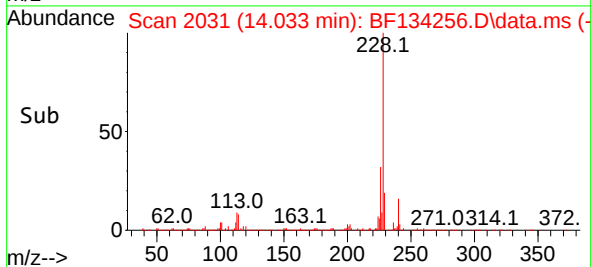
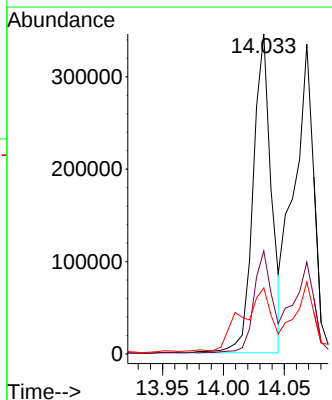
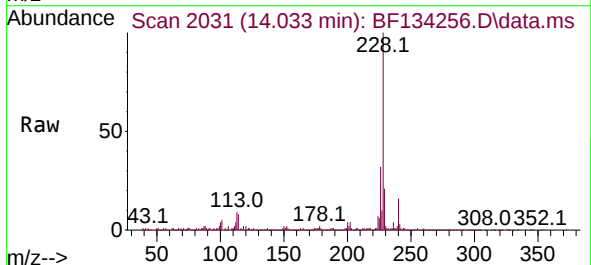
Manual Integrations
 APPROVED

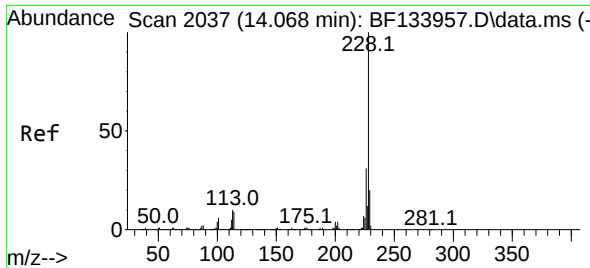
Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023



#81
 Benzo(a)anthracene
 Concen: 31.162 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134256.D
 Acq: 12 Jul 2023 20:22

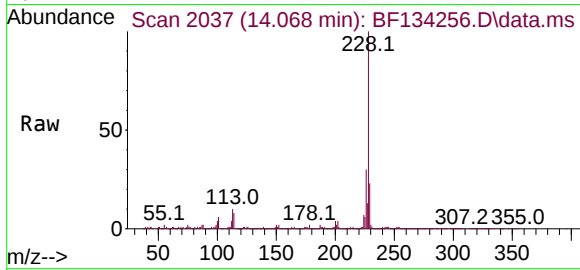
Tgt Ion:228 Resp: 358738
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.0 33.0
 229 20.7 16.3 24.5





#83
Chrysene
Concen: 34.862 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

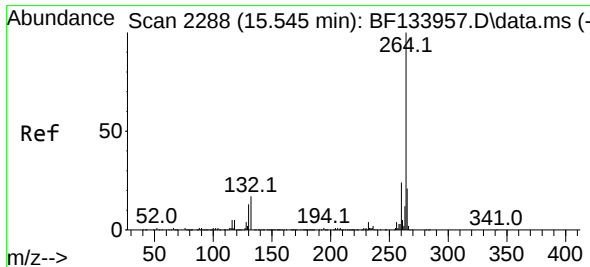
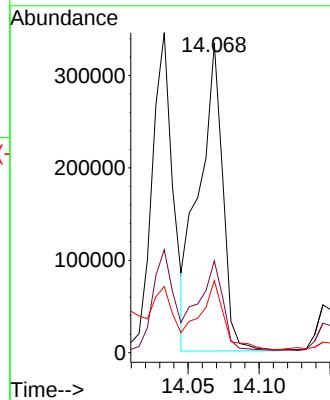
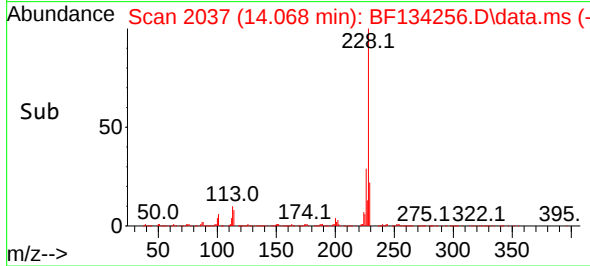
Instrument :
BNA_F
ClientSampleId :
ETGI-289



Tgt Ion:228 Resp: 388711
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 23.3 16.1 24.1

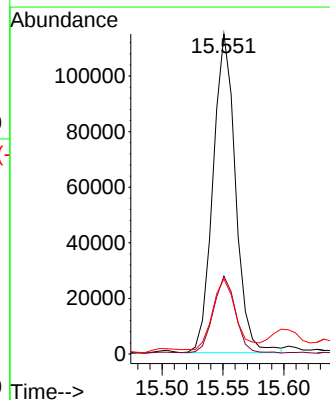
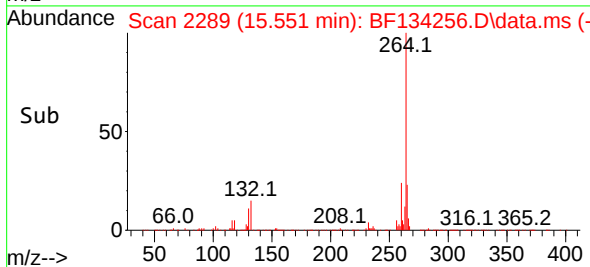
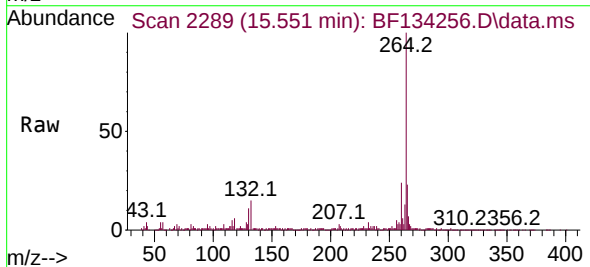
Manual Integrations
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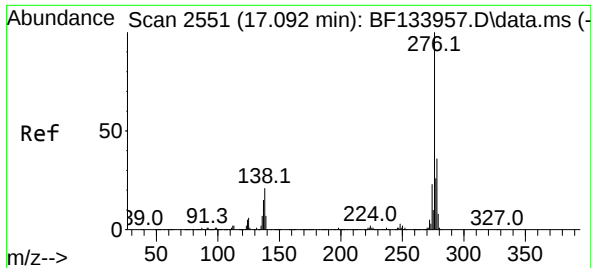
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

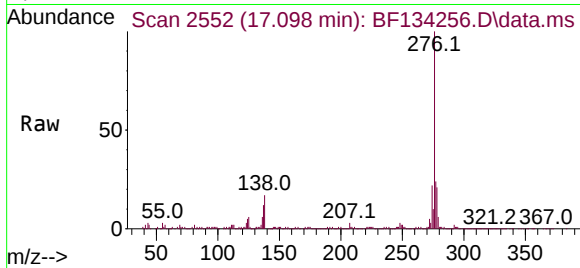
Tgt Ion:264 Resp: 147983
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 23.5 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.821 ng m
RT: 17.098 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

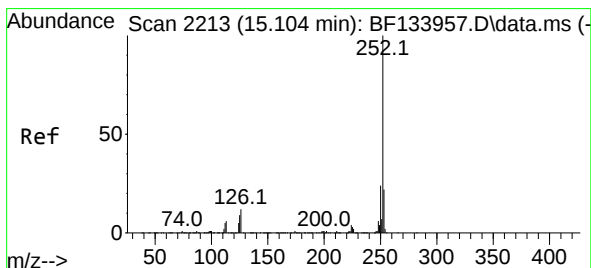
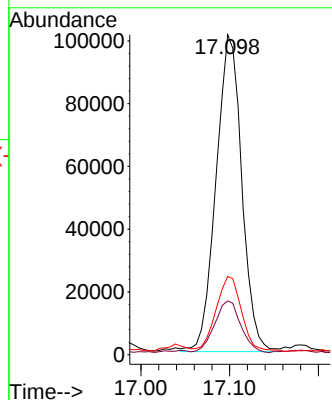
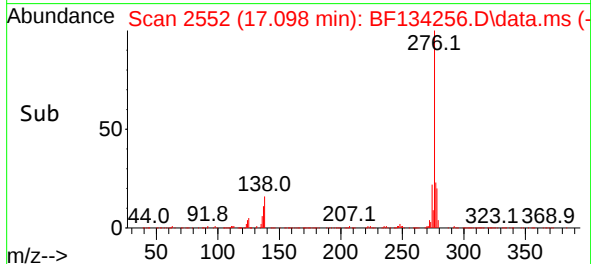
Instrument :
BNA_F
ClientSampleId :
ETGI-289



Tgt Ion: 276 Resp: 20353
Ion Ratio Lower Upper
276 100
138 3.5 18.7 28.1
277 5.1 19.9 29.9

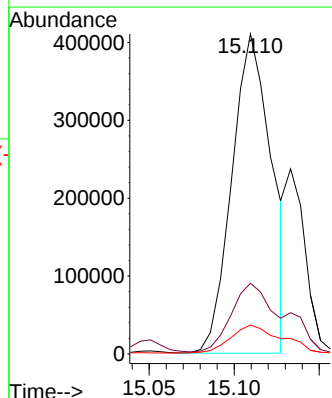
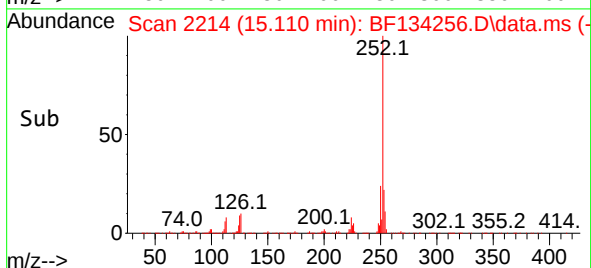
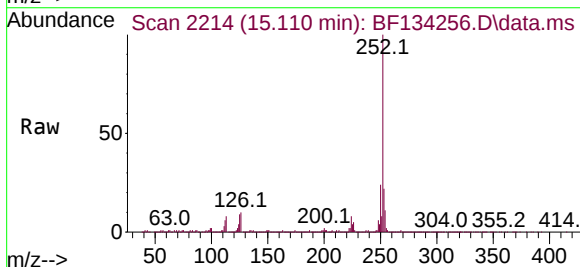
Manual Integrations
APPROVED

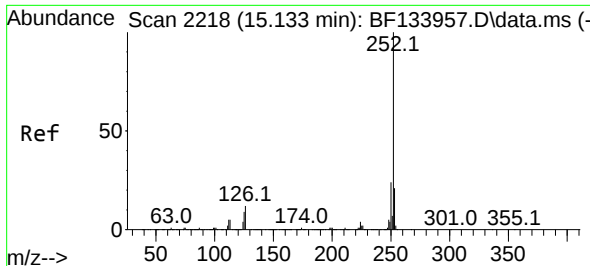
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#88
Benzo(b)fluoranthene
Concen: 76.232 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion: 252 Resp: 663334
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 9.0 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 20.924 ng m

RT: 15.133 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

ETGI-289

Tgt Ion:252 Resp: 185379

Ion Ratio Lower Upper

252 100

253 22.3 16.9 25.3

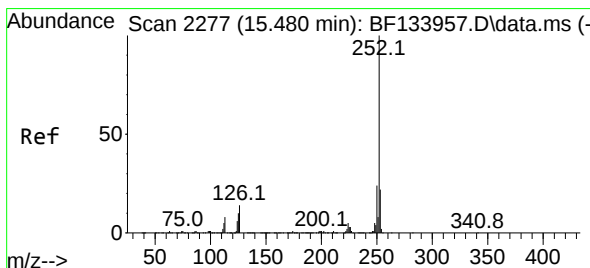
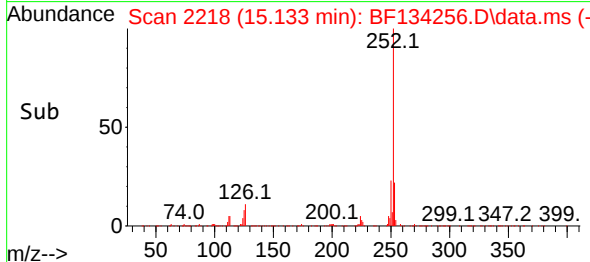
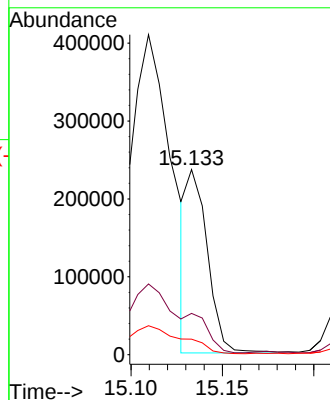
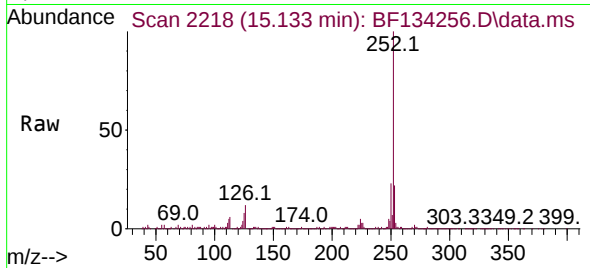
125 8.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#90

Benzo(a)pyrene

Concen: 40.351 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF134256.D

Acq: 12 Jul 2023 20:22

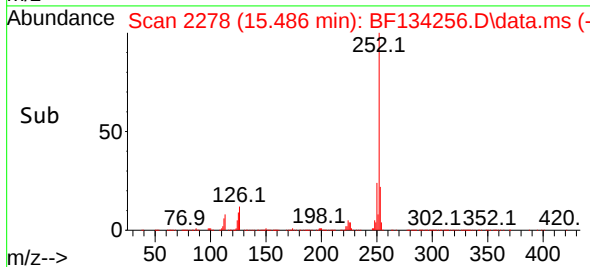
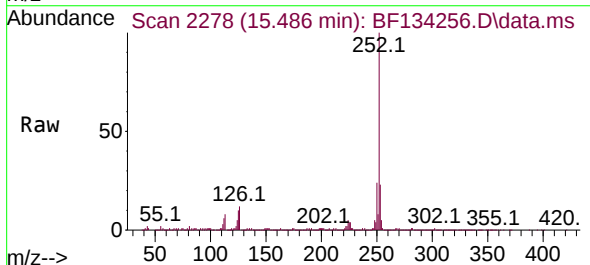
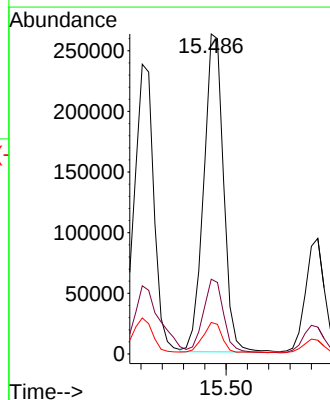
Tgt Ion:252 Resp: 339520

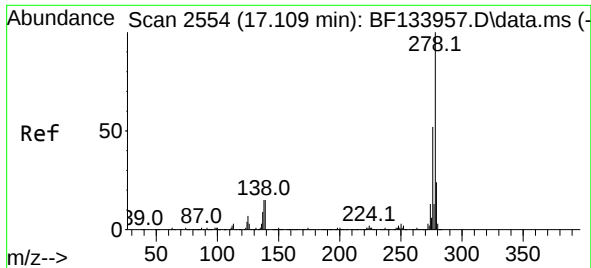
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 9.9 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 6.716 ng m
RT: 17.104 min Scan# 2554
Delta R.T. -0.012 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Instrument :

BNA_F

ClientSampleId :

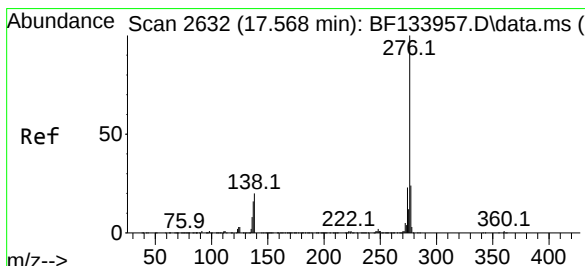
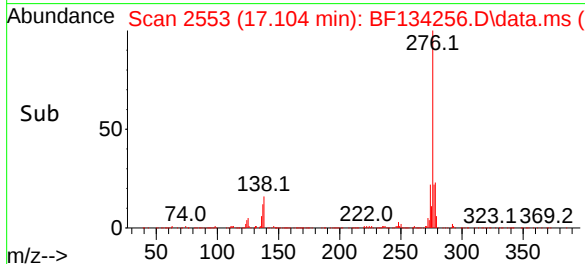
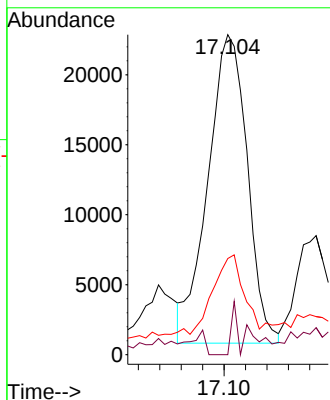
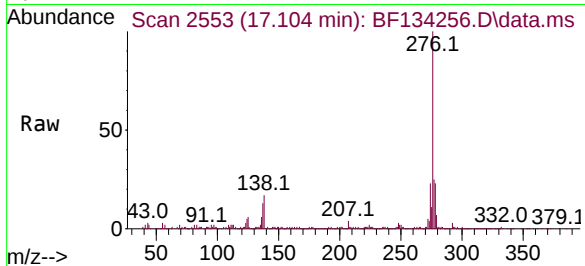
ETGI-289

Tgt Ion:278 Resp: 5633
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4
279 30.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#92
Benzo(g,h,i)perylene
Concen: 22.066 ng
RT: 17.568 min Scan# 2632
Delta R.T. 0.000 min
Lab File: BF134256.D
Acq: 12 Jul 2023 20:22

Tgt Ion:276 Resp: 190856
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.6
138 19.1 16.2 24.2

