

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133626.D
 Acq On : 07 Jun 2023 15:50
 Operator : CG\JU
 Sample : 03018-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 348

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 07 17:19:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	122643	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	454030	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	200038	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	323744	20.000	ng	0.00
76) Chrysene-d12	14.015	240	199791	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	172074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	824073	112.109	ng	0.01
7) Phenol-d6	6.469	99	1003327	110.880	ng	0.00
23) Nitrobenzene-d5	7.404	82	679743	99.961	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	227970	114.327	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1080722	83.386	ng	0.00
79) Terphenyl-d14	12.957	244	880436	78.352	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	112539	5.113	ng	98
37) 2-Methylnaphthalene	8.828	142	43579	2.900	ng	98
38) 1-Methylnaphthalene	8.928	142	32028	2.286	ng	94
52) Acenaphthene	9.904	154	67185	5.518	ng	100
55) Dibenzofuran	10.080	168	58840	3.248	ng	93
58) Fluorene	10.422	166	47144	3.552	ng	94
71) Phenanthrene	11.392	178	858655	52.365	ng	99
72) Anthracene	11.439	178	210230	12.457	ng	99
73) Carbazole	11.592	167	57411	3.597	ng	99
75) Fluoranthene	12.586	202	1491733	82.361	ng	98
78) Pyrene	12.816	202	1332780	78.393	ng	99
81) Benzo(a)anthracene	14.004	228	692664	52.043	ng	98
83) Chrysene	14.039	228	632237	47.055	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	300658m	27.430	ng	
88) Benzo(b)fluoranthene	15.051	252	686856m	61.299	ng	
89) Benzo(k)fluoranthene	15.074	252	230400m	21.088	ng	
90) Benzo(a)pyrene	15.415	252	465807	45.686	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	74866	8.424	ng	96
92) Benzo(g,h,i)perylene	17.380	276	273363	30.506	ng	100

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

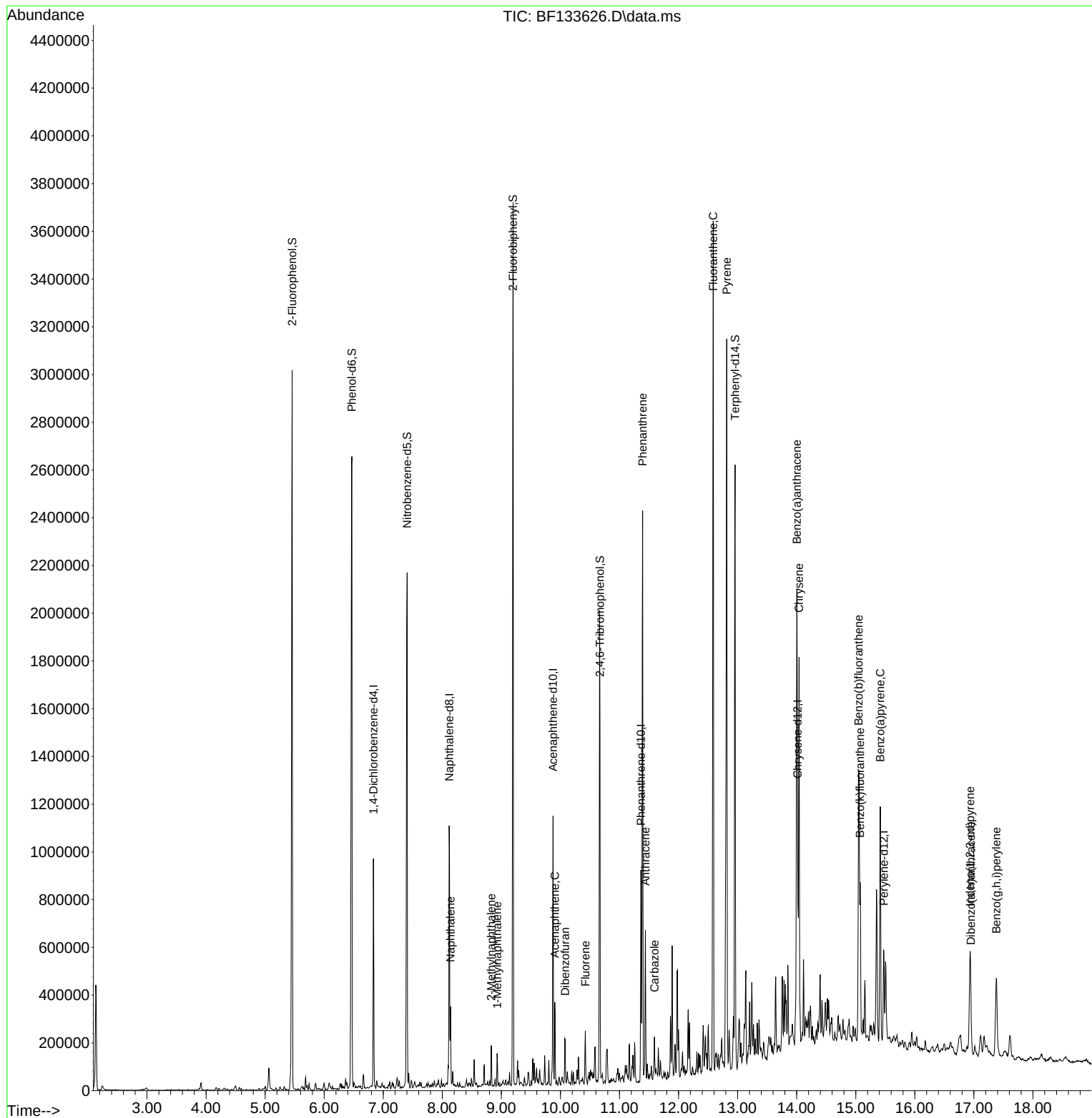
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
Data File : BF133626.D
Acq On : 07 Jun 2023 15:50
Operator : CG\JU
Sample : 03018-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

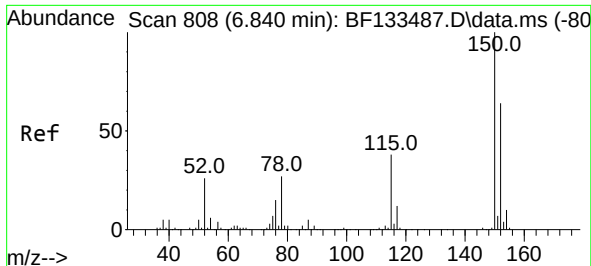
Instrument :
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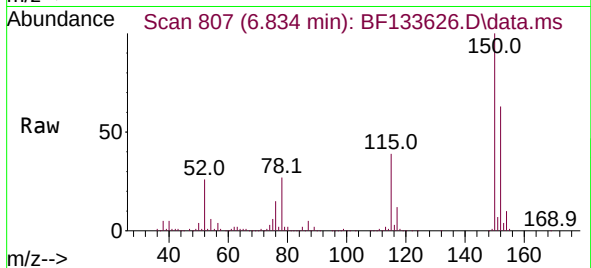
Quant Time: Jun 07 17:19:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 07 11:27:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

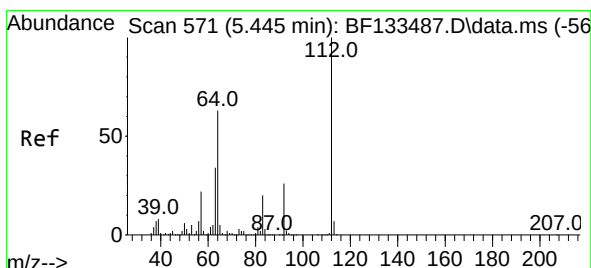
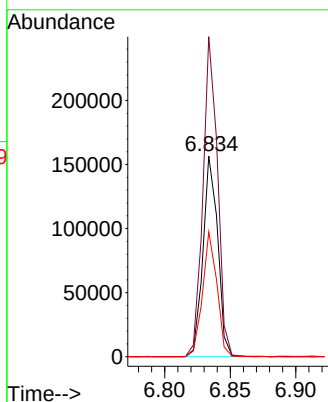
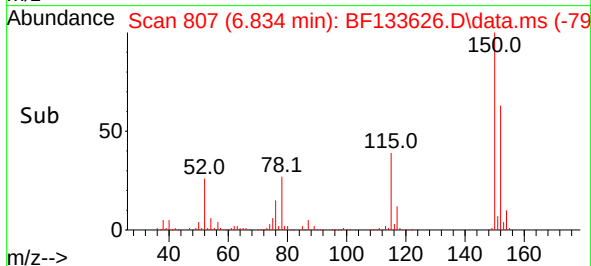
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:152 Resp: 122643
Ion Ratio Lower Upper
152 100
150 159.4 124.9 187.3
115 62.2 48.1 72.1

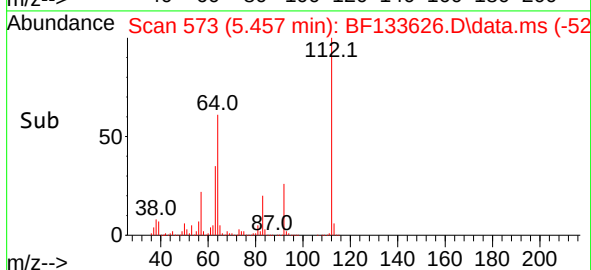
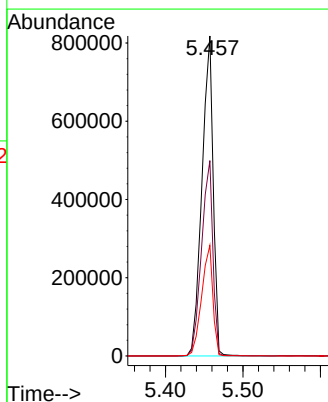
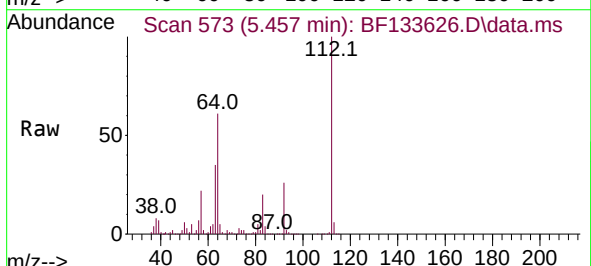
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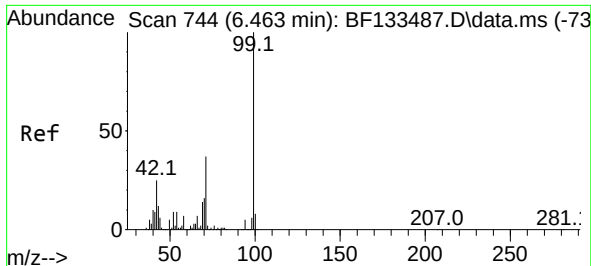
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#5
2-Fluorophenol
Concen: 112.109 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

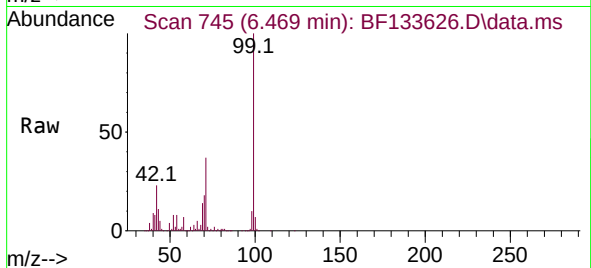
Tgt Ion:112 Resp: 824073
Ion Ratio Lower Upper
112 100
64 61.0 50.1 75.1
63 34.5 27.5 41.3





#7
Phenol-d6
Concen: 110.880 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

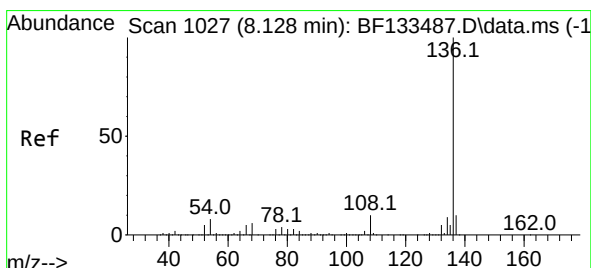
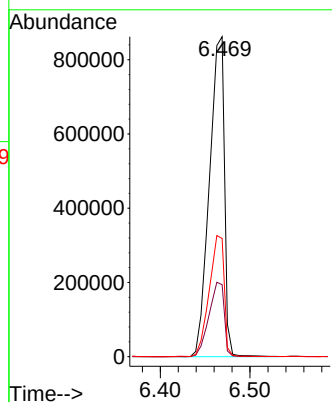
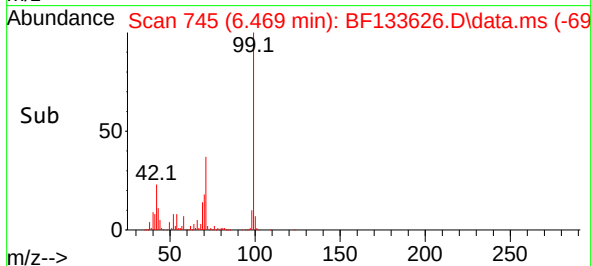
Instrument :
BNA_F
ClientSampleId :
348



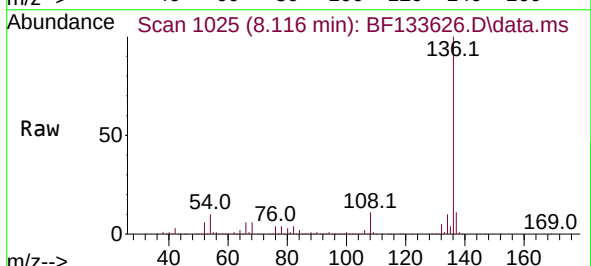
Tgt Ion: 99 Resp: 100332
Ion Ratio Lower Upper
99 100
42 22.5 19.7 29.5
71 36.9 29.8 44.8

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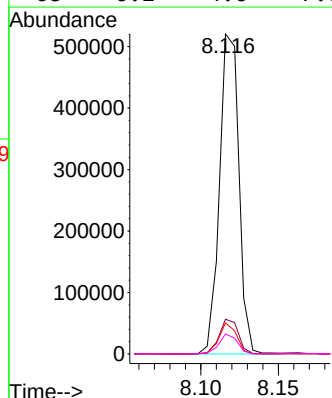
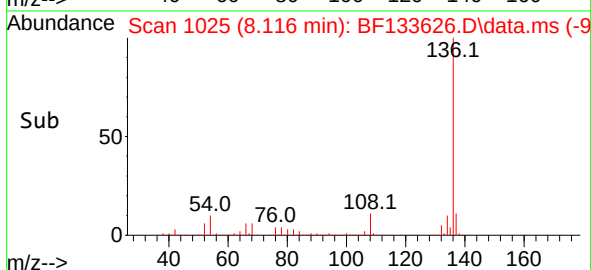
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

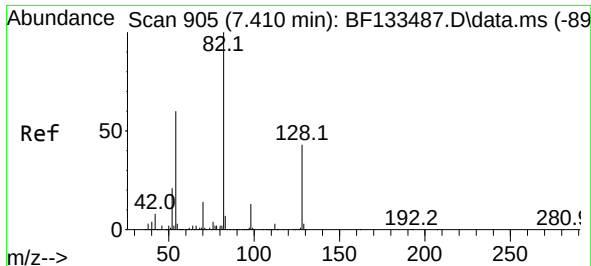


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50



Tgt Ion:136 Resp: 454030
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 9.7 6.6 10.0
68 6.2 4.6 7.0





#23

Nitrobenzene-d5

Concen: 99.961 ng

RT: 7.404 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

Instrument :

BNA_F

ClientSampleId :

348

Tgt Ion: 82 Resp: 67974

Ion Ratio Lower Upper

82 100

128 45.6 34.2 51.4

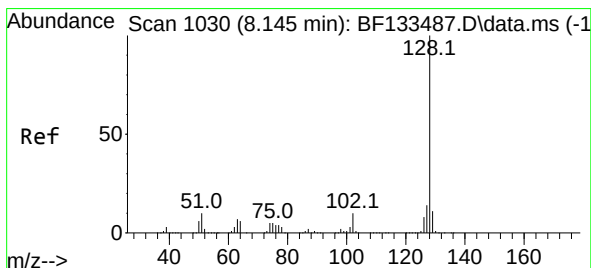
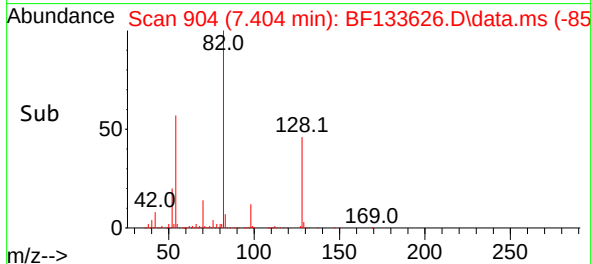
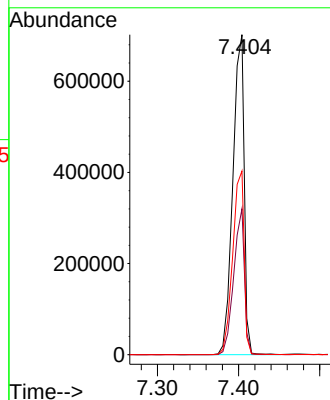
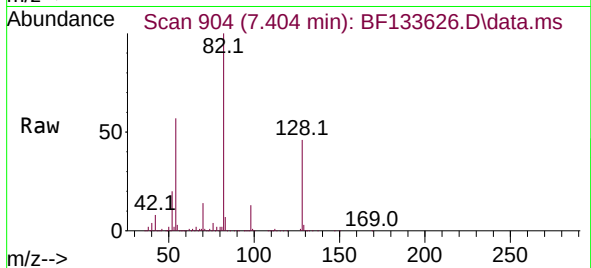
54 57.4 48.2 72.4

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#31

Naphthalene

Concen: 5.113 ng

RT: 8.139 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

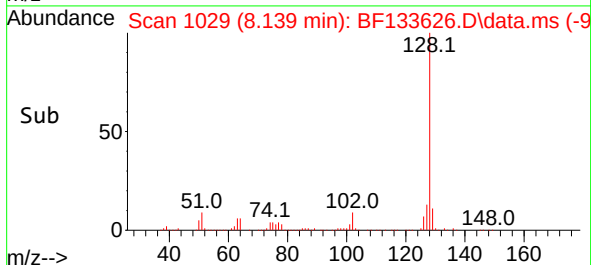
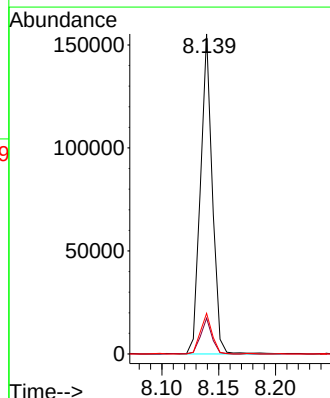
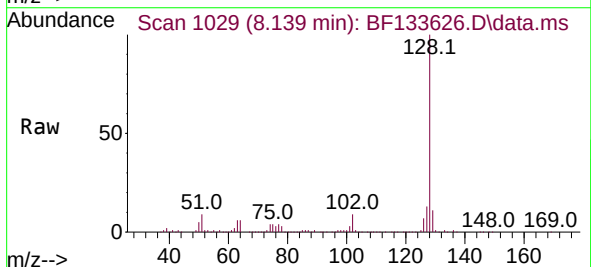
Tgt Ion:128 Resp: 112539

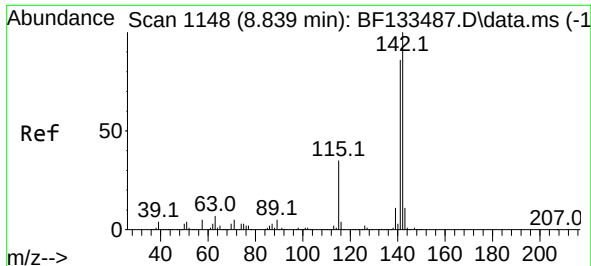
Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

127 12.7 10.9 16.3





#37

2-Methylnaphthalene

Concen: 2.900 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

Instrument :

BNA_F

ClientSampleId :

348

Tgt Ion:142 Resp: 43579

Ion Ratio Lower Upper

142 100

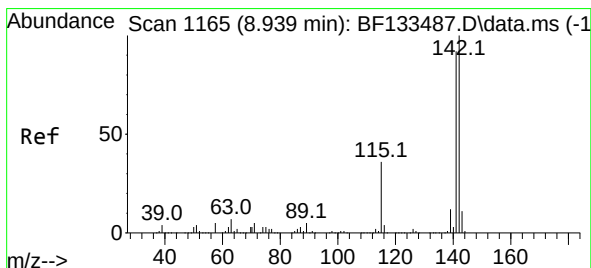
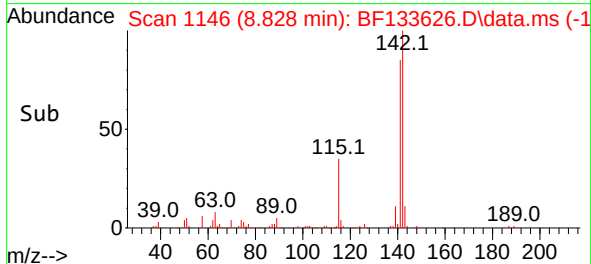
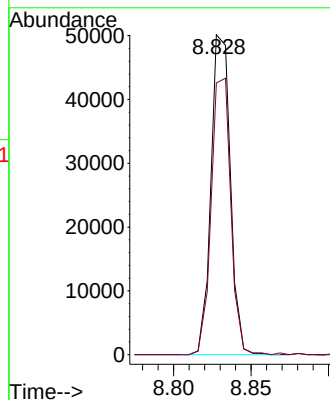
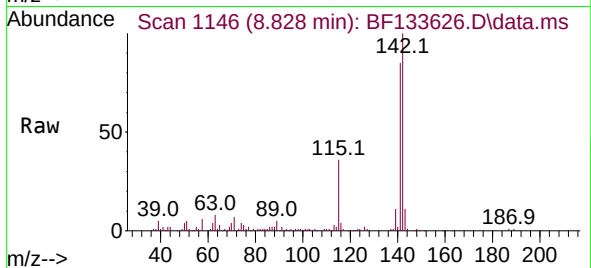
141 84.9 69.2 103.8

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#38

1-Methylnaphthalene

Concen: 2.286 ng

RT: 8.928 min Scan# 1163

Delta R.T. -0.006 min

Lab File: BF133626.D

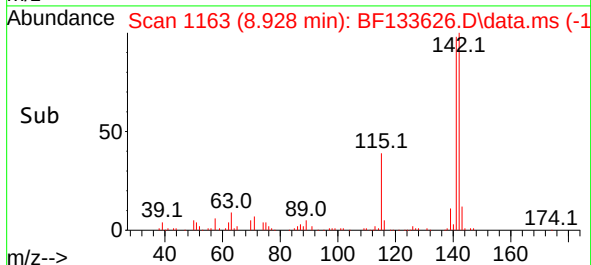
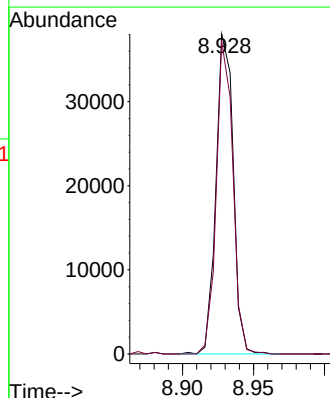
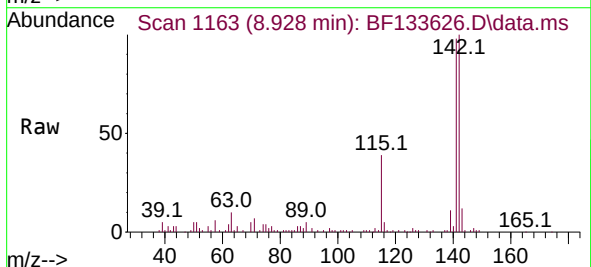
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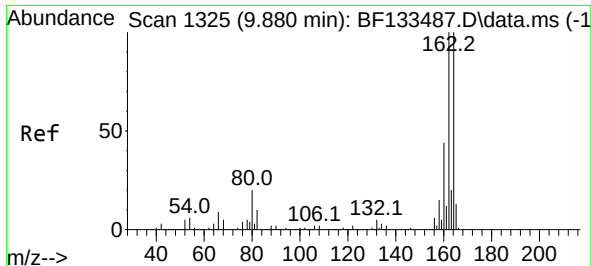
Tgt Ion:142 Resp: 32028

Ion Ratio Lower Upper

142 100

141 97.8 73.6 110.4





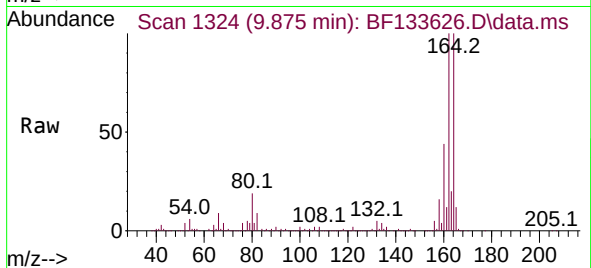
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

Instrument :

BNA_F

ClientSampleId :

348

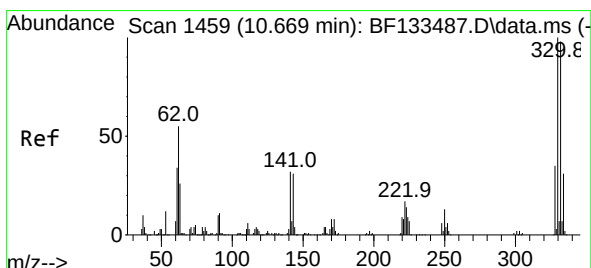
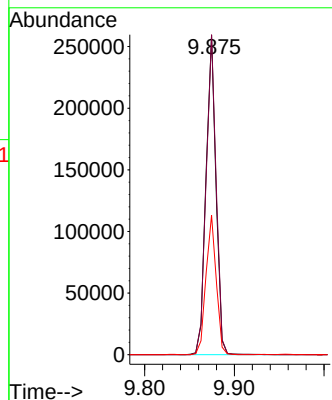
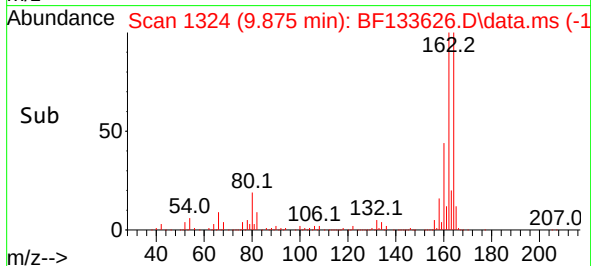


Tgt Ion:164 Resp: 200038
Ion Ratio Lower Upper
164 100
162 100.1 79.7 119.5
160 43.7 35.4 53.0

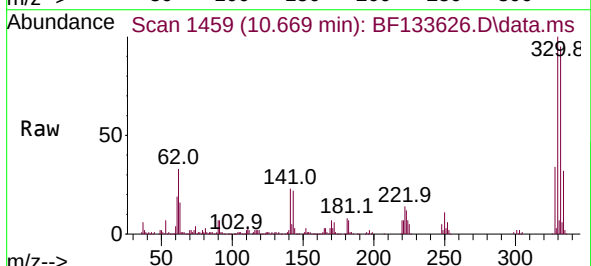
Manual Integrations

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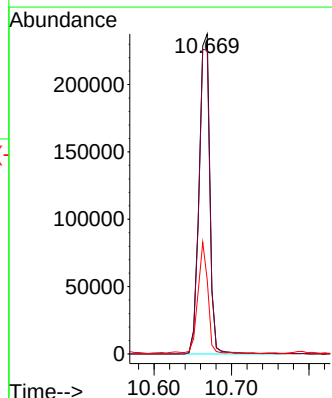
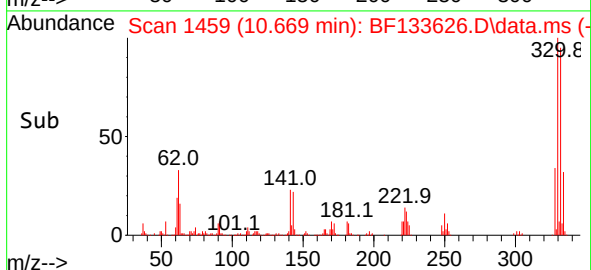
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

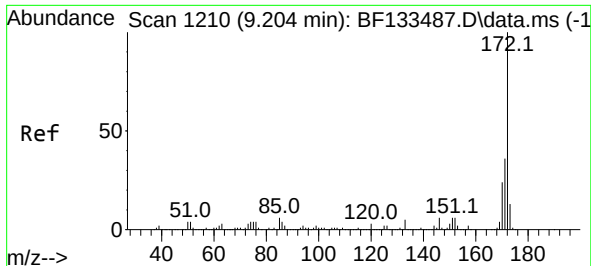


#42
2,4,6-Tribromophenol
Concen: 114.327 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50



Tgt Ion:330 Resp: 227970
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.6
141 30.8 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 83.386 ng

RT: 9.198 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

Instrument :

BNA_F

ClientSampleId :

348

Tgt Ion:172 Resp: 108072

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

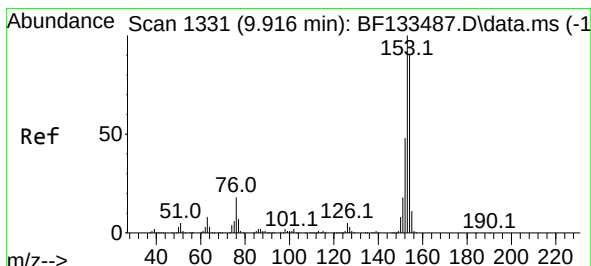
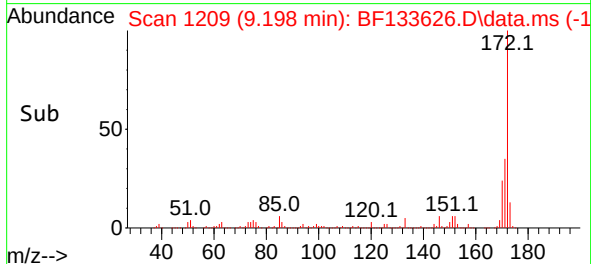
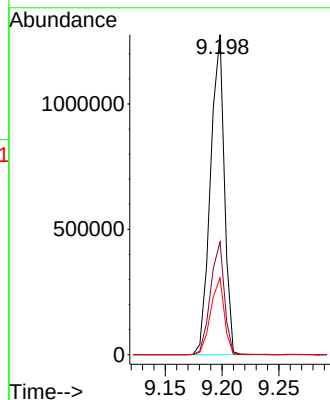
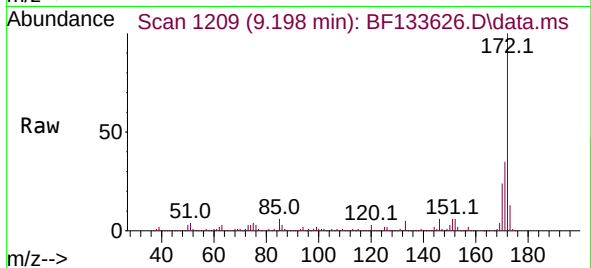
170 24.0 19.3 28.9

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#52

Acenaphthene

Concen: 5.518 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.012 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

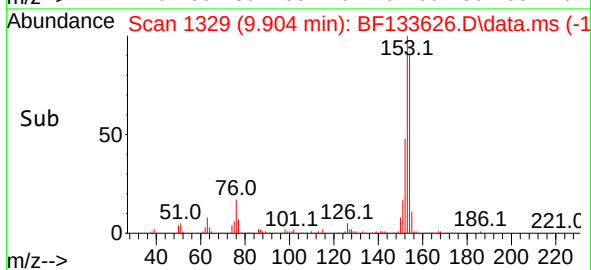
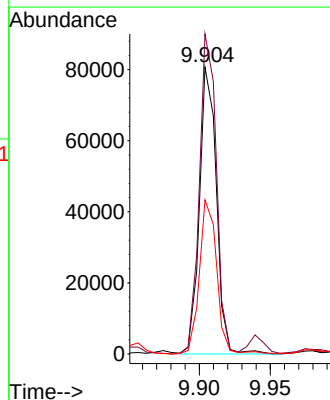
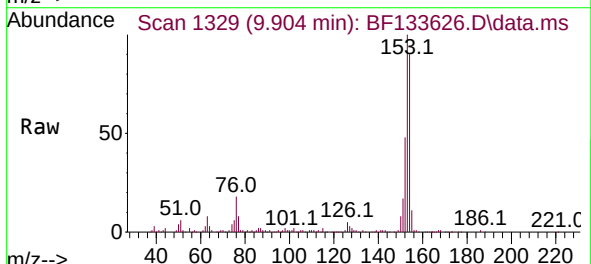
Tgt Ion:154 Resp: 67185

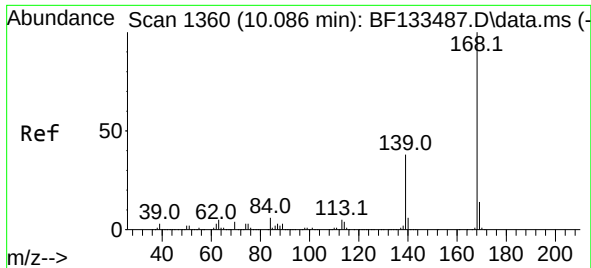
Ion Ratio Lower Upper

154 100

153 111.6 89.2 133.8

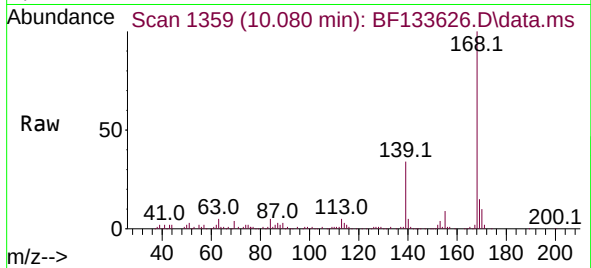
152 53.7 43.1 64.7





#55
Dibenzenofuran
Concen: 3.248 ng
RT: 10.080 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

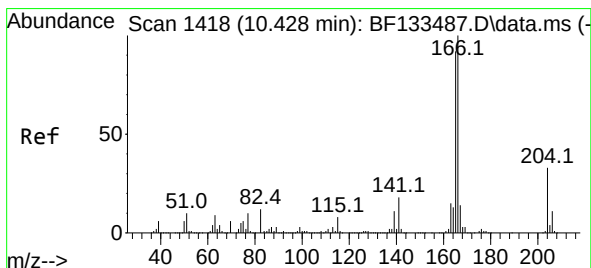
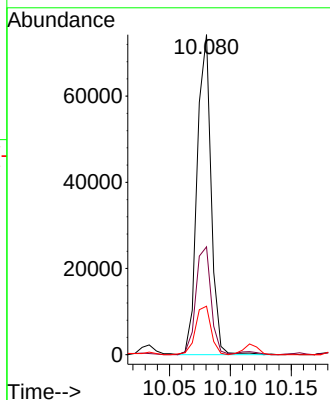
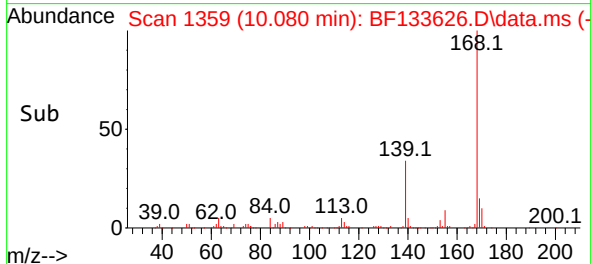
Instrument :
BNA_F
ClientSampleId :
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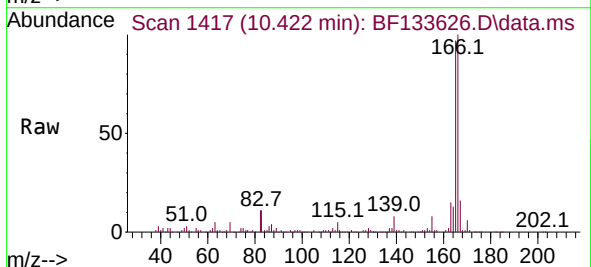
Tgt Ion:168 Resp: 58840
Ion Ratio Lower Upper
168 100
139 33.7 30.6 46.0
169 15.1 10.9 16.3

Manual Integrations
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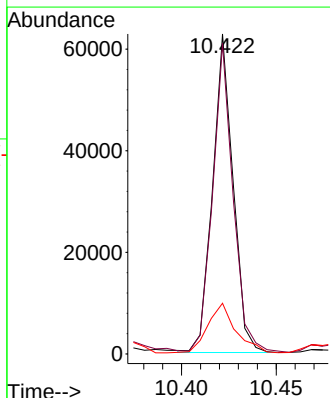
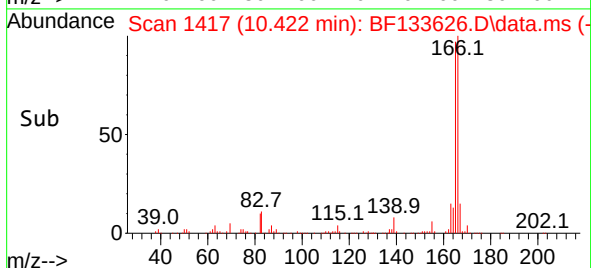
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

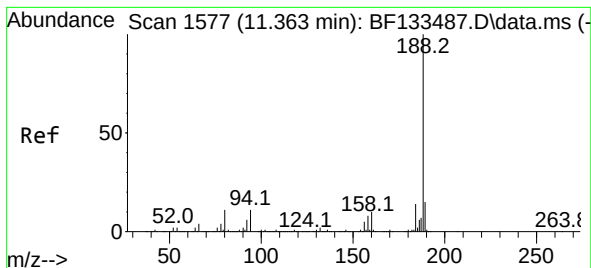


#58
Fluorene
Concen: 3.552 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50



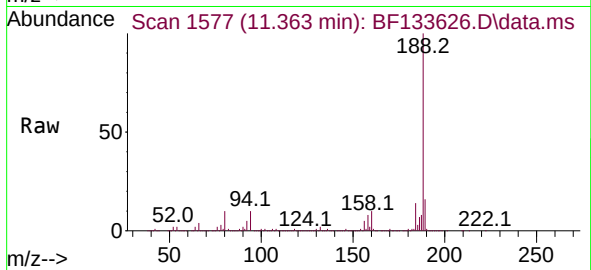
Tgt Ion:166 Resp: 47144
Ion Ratio Lower Upper
166 100
165 97.0 73.4 110.0
167 15.9 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

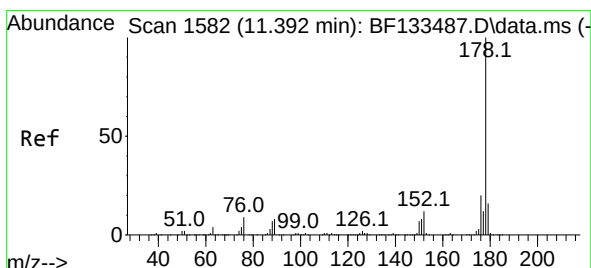
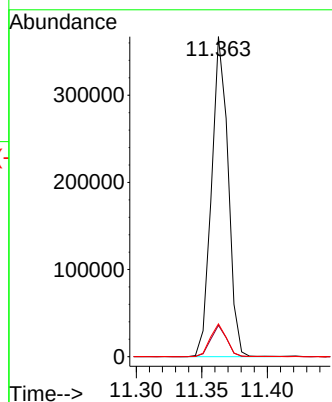
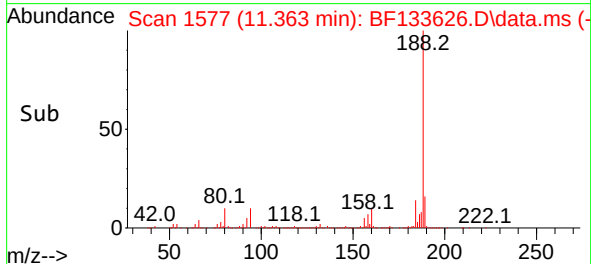
Instrument :
BNA_F
ClientSampleId :
348



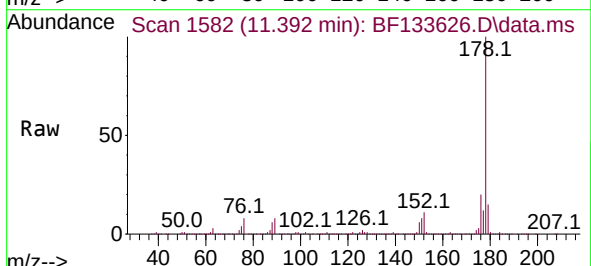
Tgt Ion:188 Resp: 323744
Ion Ratio Lower Upper
188 100
94 9.8 8.6 12.8
80 10.3 9.2 13.8

Manual Integrations
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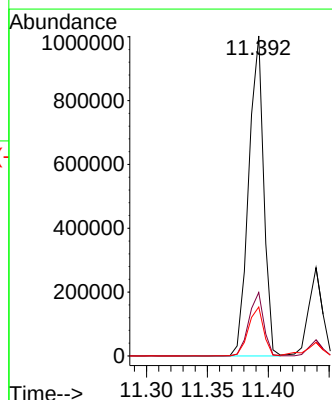
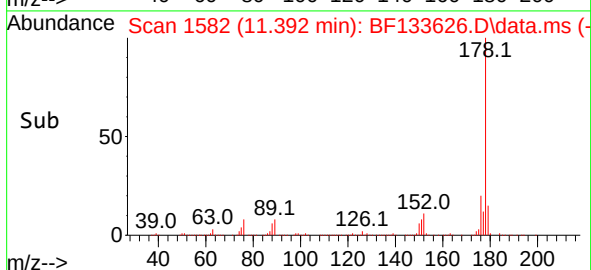
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023

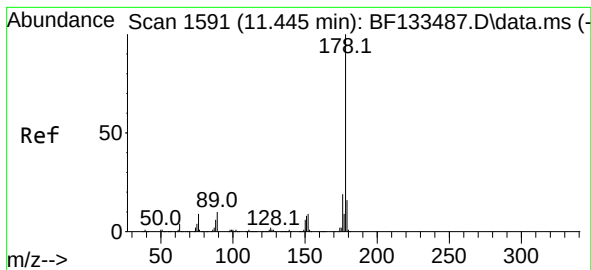


#71
Phenanthrene
Concen: 52.365 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50



Tgt Ion:178 Resp: 858655
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.3 12.4 18.6





#72

Anthracene

Concen: 12.457 ng

RT: 11.439 min Scan# 1591

Delta R.T. -0.006 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

Instrument :

BNA_F

ClientSampleId :

348

Tgt Ion:178 Resp: 210230

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

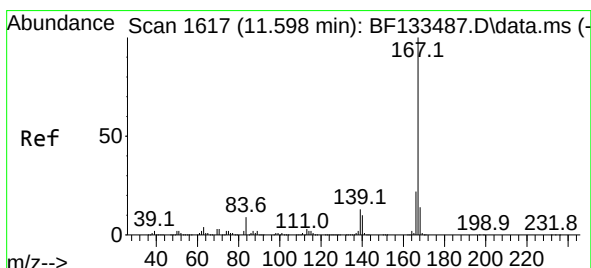
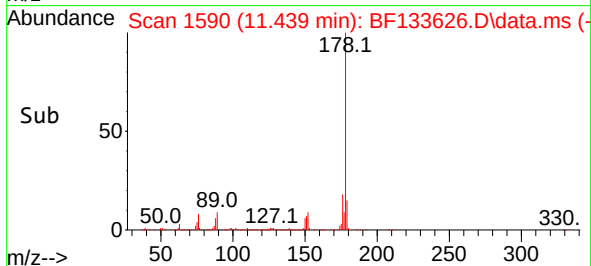
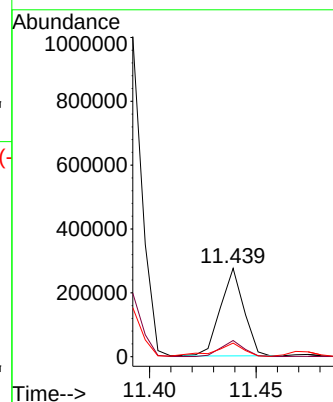
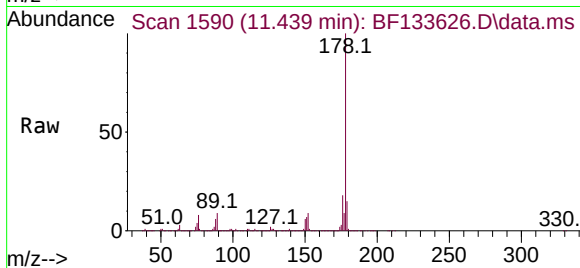
179 15.4 12.6 18.8

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APPROVED

Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#73

Carbazole

Concen: 3.597 ng

RT: 11.592 min Scan# 1616

Delta R.T. -0.006 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

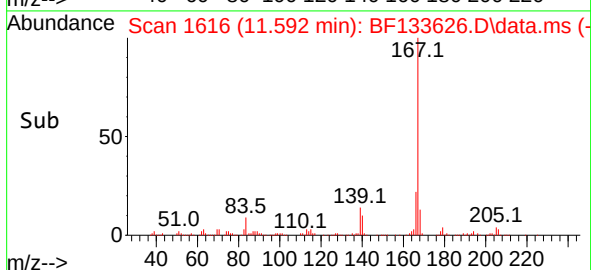
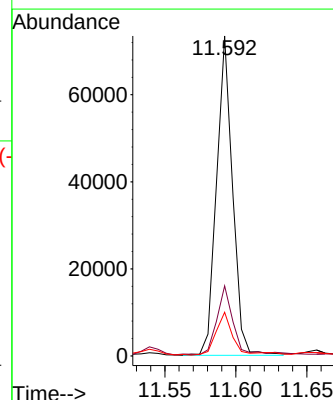
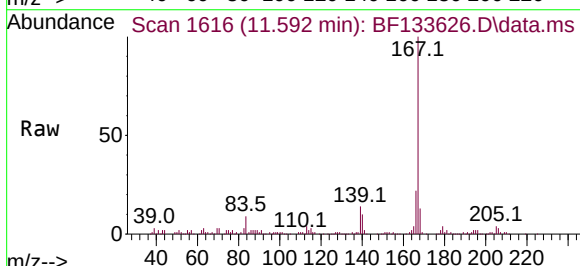
Tgt Ion:167 Resp: 57411

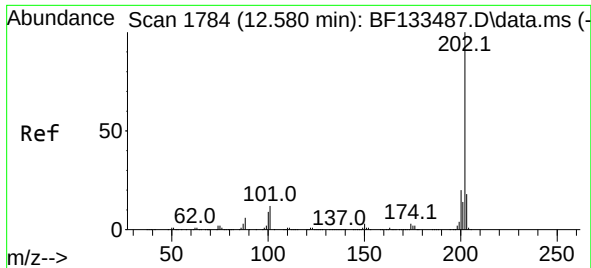
Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

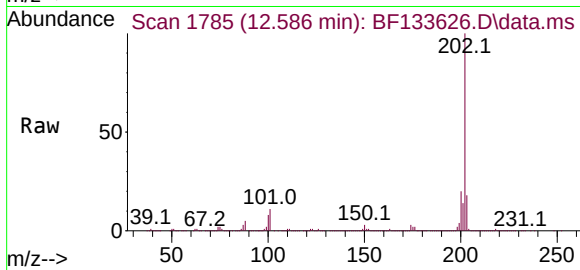
139 13.6 10.7 16.1





#75
Fluoranthene
Concen: 82.361 ng
RT: 12.586 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

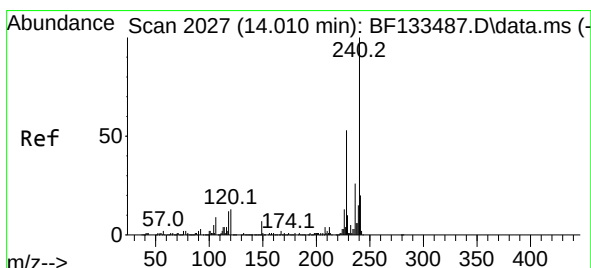
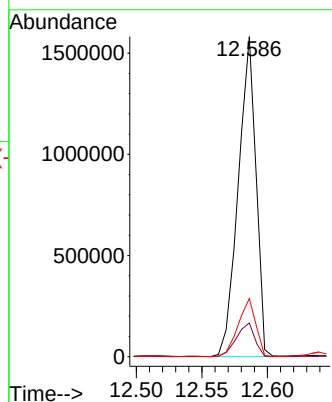
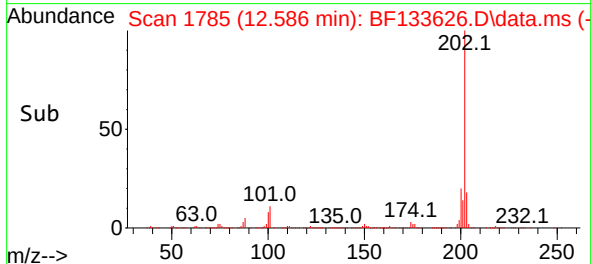
Instrument :
BNA_F
ClientSampleId :
348



Tgt Ion:202 Resp: 149173
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.2
203 18.1 0.0 37.8

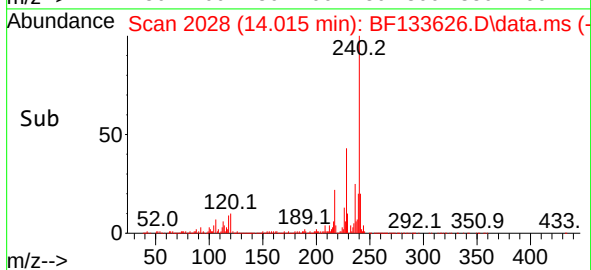
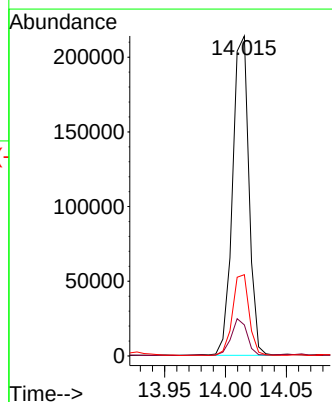
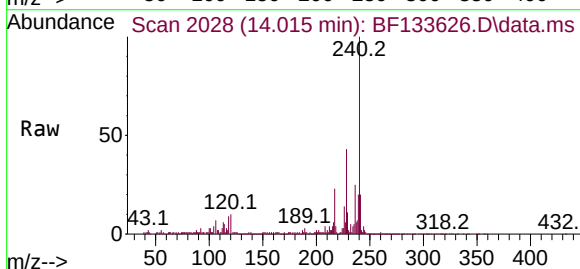
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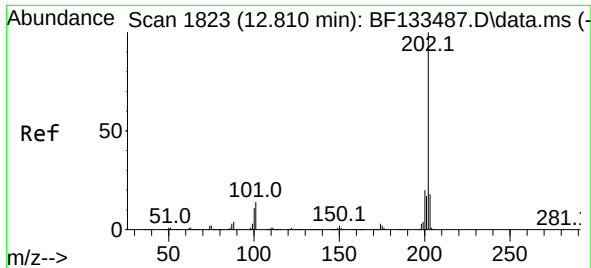
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

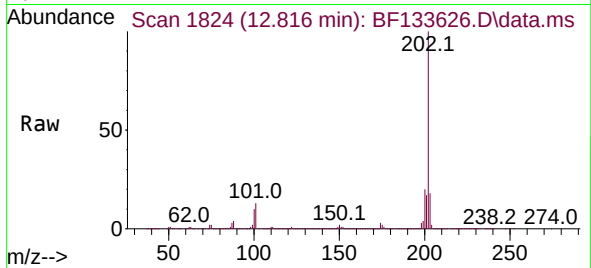
Tgt Ion:240 Resp: 199791
Ion Ratio Lower Upper
240 100
120 9.7 10.3 15.5#
236 25.4 20.5 30.7





#78
 Pyrene
 Concen: 78.393 ng
 RT: 12.816 min Scan# 1823
 Delta R.T. 0.000 min
 Lab File: BF133626.D
 Acq: 07 Jun 2023 15:50

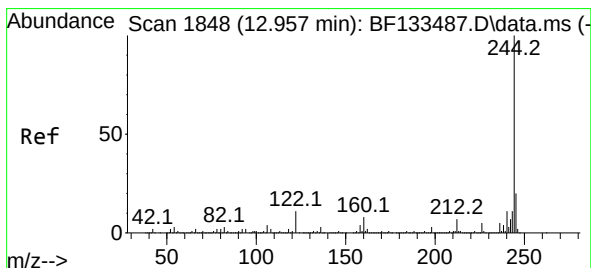
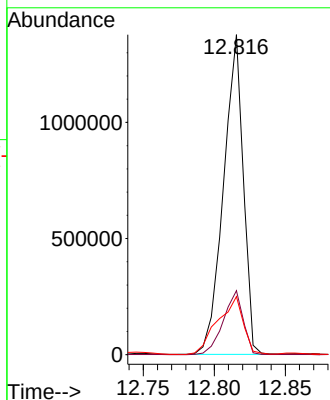
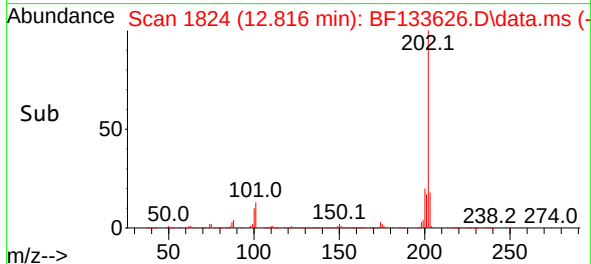
Instrument :
 BNA_F
 ClientSampleId :
 348



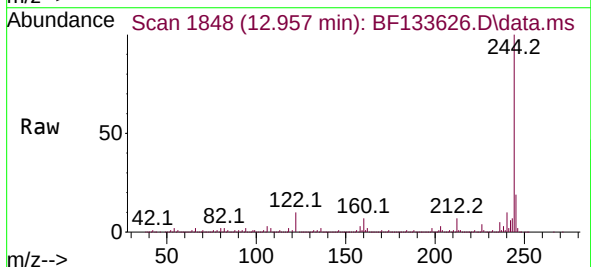
Tgt Ion:202 Resp: 1332780
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.3 24.5
 203 18.2 14.3 21.5

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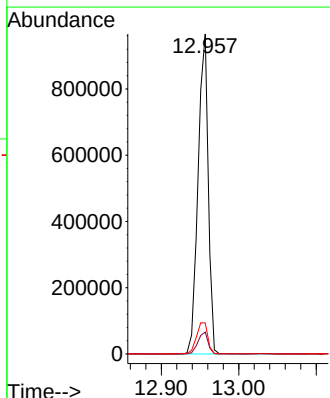
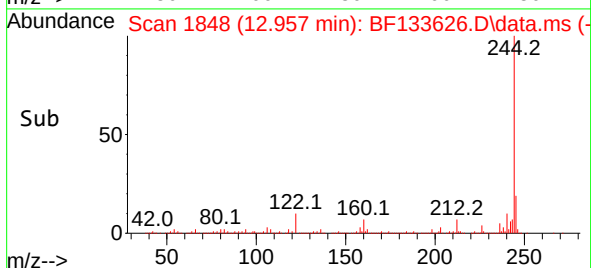
Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

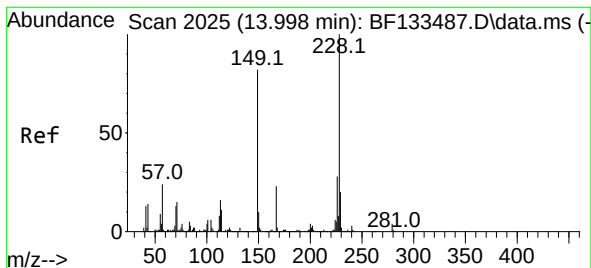


#79
 Terphenyl-d14
 Concen: 78.352 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133626.D
 Acq: 07 Jun 2023 15:50



Tgt Ion:244 Resp: 880436
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 9.7 8.5 12.7





#81

Benzo(a)anthracene

Concen: 52.043 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

Instrument :

BNF

ClientSampleId :

348

Tgt Ion:228 Resp: 692664

Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

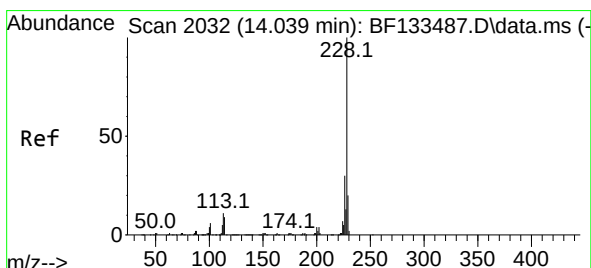
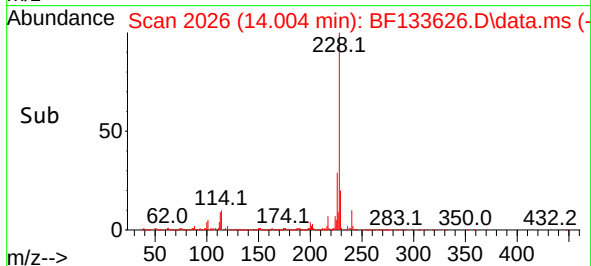
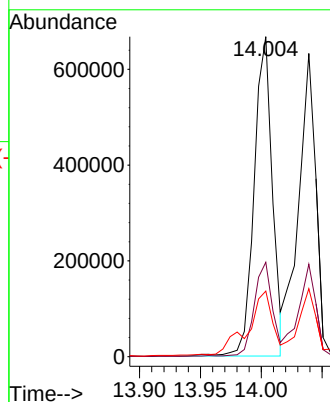
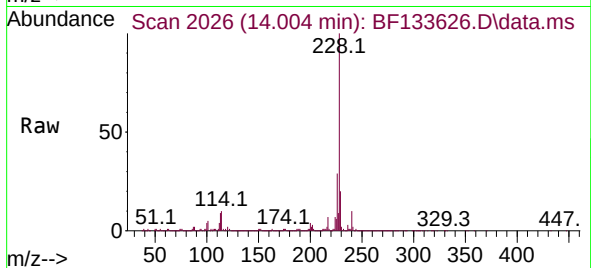
229 20.5 16.1 24.1

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2023

Supervised By :mohammad ahmed 06/08/2023



#83

Chrysene

Concen: 47.055 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133626.D

Acq: 07 Jun 2023 15:50

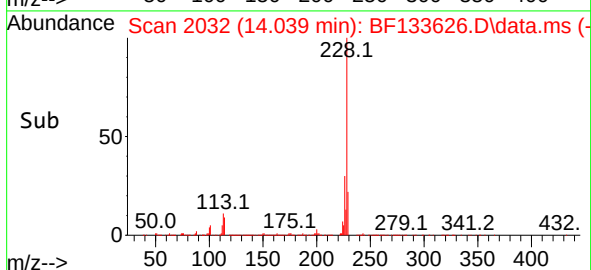
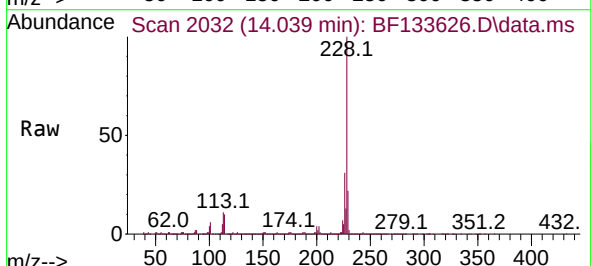
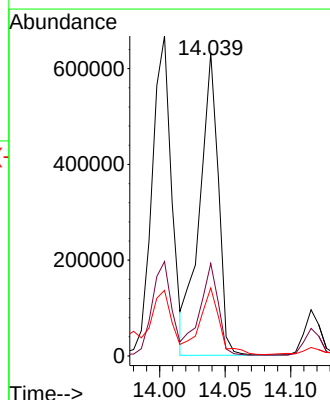
Tgt Ion:228 Resp: 632237

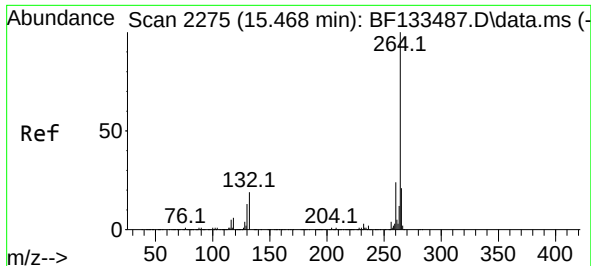
Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 22.4 15.8 23.8





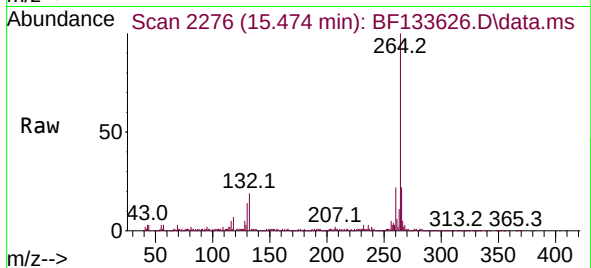
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

Instrument :

BNA_F

ClientSampleId :

348

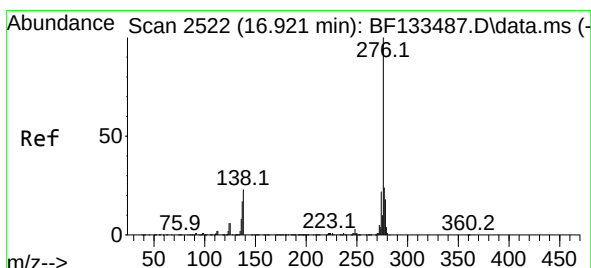
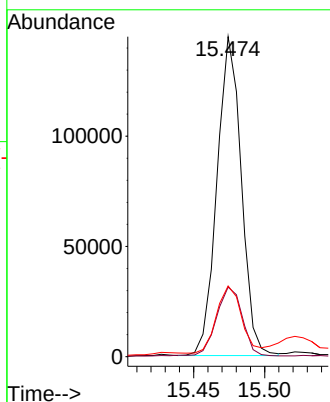
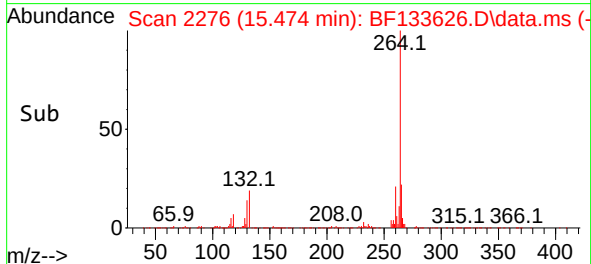


Tgt Ion:264 Resp: 172074
Ion Ratio Lower Upper
264 100
260 21.7 19.0 28.4
265 22.1 16.8 25.2

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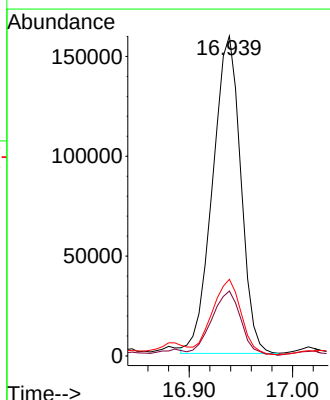
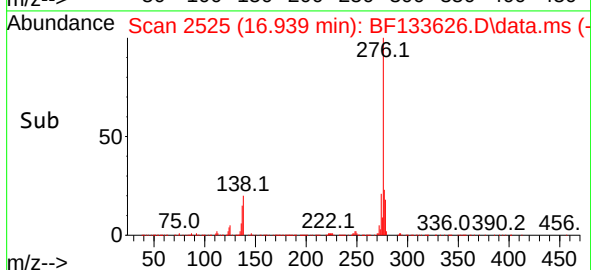
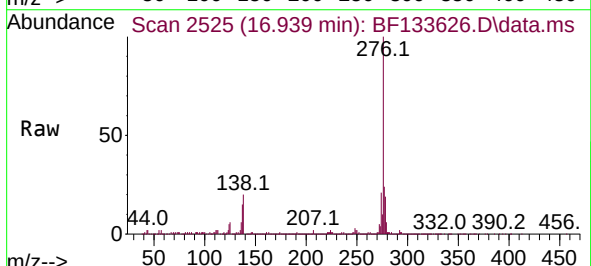
APPROVED

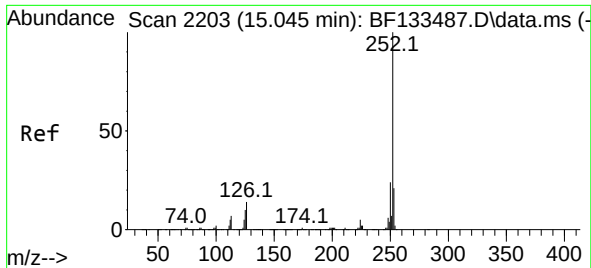
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 27.430 ng m
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

Tgt Ion:276 Resp: 300658
Ion Ratio Lower Upper
276 100
138 4.3 21.4 32.2#
277 4.3 20.0 30.0#





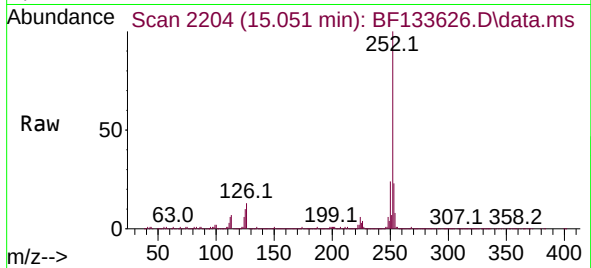
#88
Benzo(b)fluoranthene
Concen: 61.299 ng m
RT: 15.051 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

Instrument :

BNA_F

ClientSampleId :

348

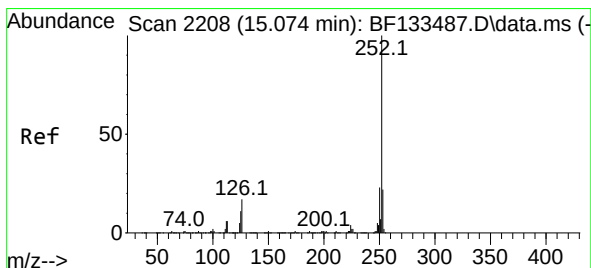
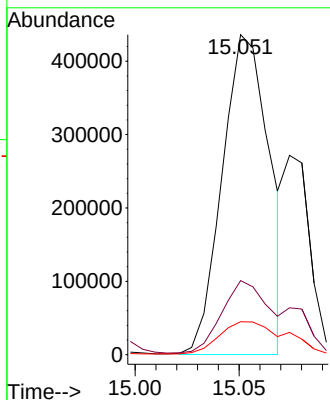
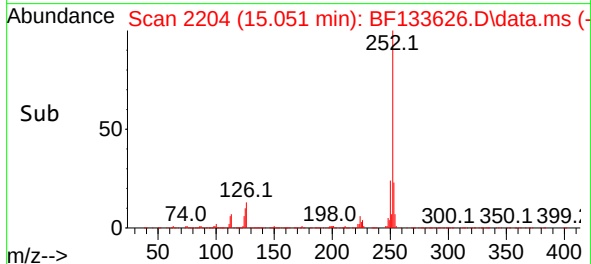


Tgt Ion:252 Resp: 686850
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 10.3 8.1 12.1

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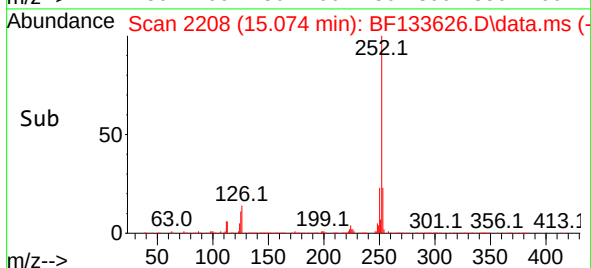
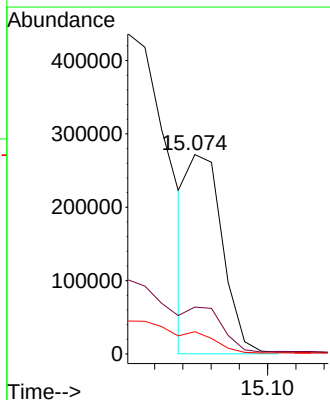
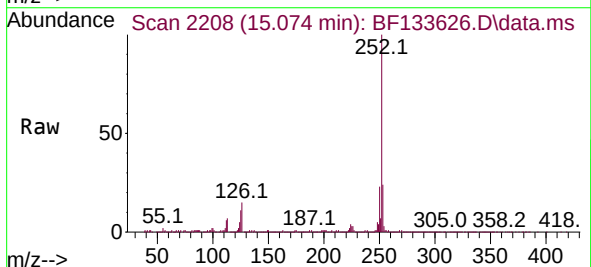
APPROVED

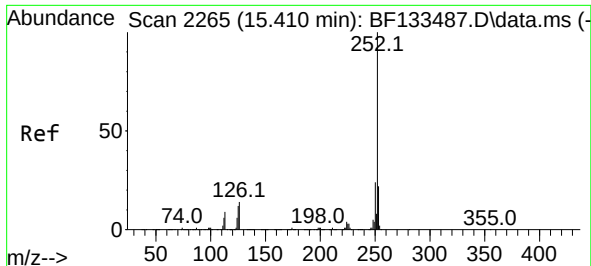
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#89
Benzo(k)fluoranthene
Concen: 21.088 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

Tgt Ion:252 Resp: 230400
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 11.2 8.3 12.5





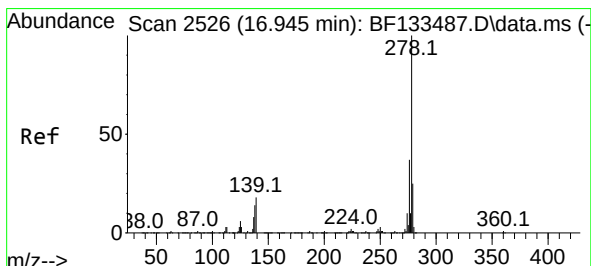
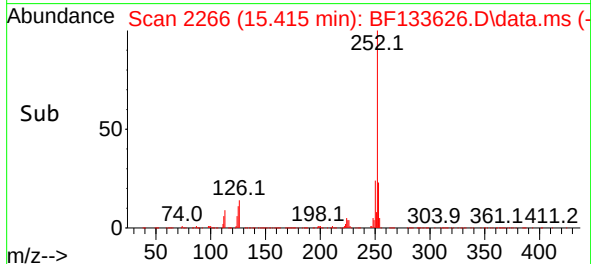
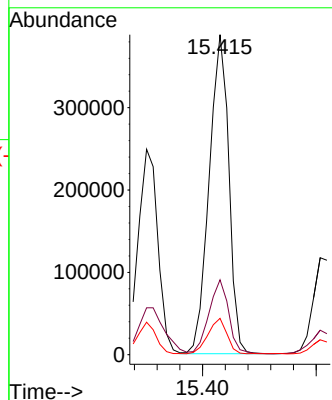
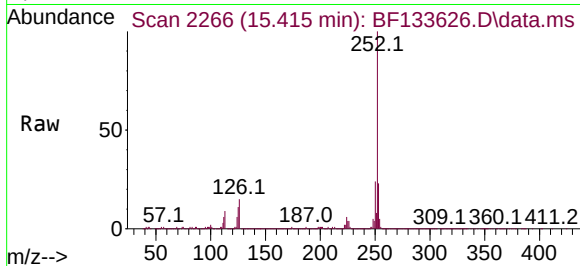
#90
Benzo(a)pyrene
Concen: 45.686 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

Instrument :
BNA_F
ClientSampleId :
348

Tgt Ion:252 Resp: 46580
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.4 9.4 14.0

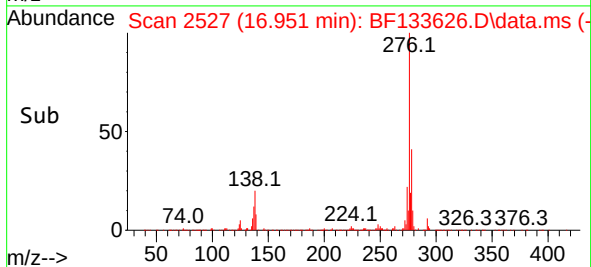
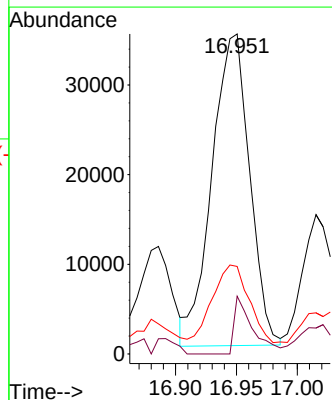
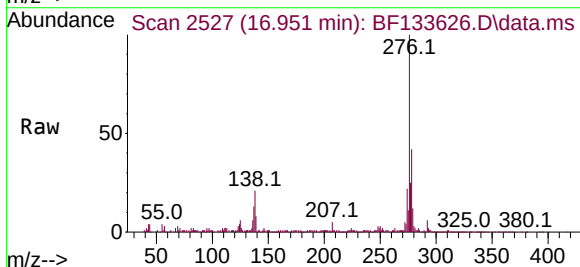
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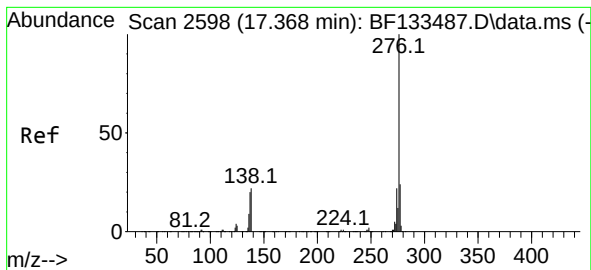
Reviewed By :Yogesh Patel 06/08/2023
Supervised By :mohammad ahmed 06/08/2023



#91
Dibenzo(a,h)anthracene
Concen: 8.424 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.018 min
Lab File: BF133626.D
Acq: 07 Jun 2023 15:50

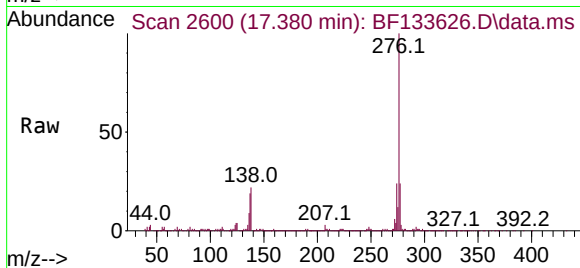
Tgt Ion:278 Resp: 74866
Ion Ratio Lower Upper
278 100
139 18.1 14.1 21.1
279 27.4 19.7 29.5





#92
 Benzo(g,h,i)perylene
 Concen: 30.506 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF133626.D
 Acq: 07 Jun 2023 15:50

Instrument :
 BNA_F
 ClientSampleId :
 348



Tgt Ion:276 Resp: 27336
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.8 28.2
 138 22.2 17.8 26.6

Manual Integrations
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Reviewed By :Yogesh Patel 06/08/2023
 Supervised By :mohammad ahmed 06/08/2023

