

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133612.D
 Acq On : 07 Jun 2023 03:43
 Operator : CG\JU
 Sample : 03002-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC02

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

Quant Time: Jun 07 04:30:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 06 14:05:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	123580	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	428179	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	178349	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	257936	20.000	ng	0.01
76) Chrysene-d12	14.039	240	93314	20.000	ng	0.03
86) Perylene-d12	15.509	264	122947	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	580412	78.362	ng	0.00
7) Phenol-d6	6.463	99	701750	76.964	ng	0.00
23) Nitrobenzene-d5	7.398	82	425973	66.425	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	131258	73.831	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	744573	64.436	ng	0.00
79) Terphenyl-d14	12.963	244	551838	105.146	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	710016	34.203	ng	99
37) 2-Methylnaphthalene	8.839	142	860131	60.687	ng	96
38) 1-Methylnaphthalene	8.933	142	793805	60.082	ng	99
46) 1,1'-Biphenyl	9.298	154	230020	15.874	ng	98
49) Acenaphthylene	9.739	152	264133	14.739	ng	# 87
52) Acenaphthene	9.916	154	1071253	98.681	ng	98
55) Dibenzofuran	10.086	168	1283688	79.481	ng	96
58) Fluorene	10.439	166	1896287	160.255	ng	97
71) Phenanthrene	11.433	178	7431010	568.805	ng	98
72) Anthracene	11.474	178	3461473m	257.443	ng	
73) Carbazole	11.604	167	872851	68.644	ng	99
75) Fluoranthene	12.627	202	7379131	511.358	ng	95
78) Pyrene	12.857	202	5999058	755.491	ng	95
81) Benzo(a)anthracene	14.033	228	3281185	527.838	ng	97
83) Chrysene	14.074	228	2605037m	415.118	ng	
87) Indeno(1,2,3-cd)pyrene	17.003	276	1088550	138.996	ng	94
88) Benzo(b)fluoranthene	15.098	252	3049007m	380.842	ng	
89) Benzo(k)fluoranthene	15.115	252	855829m	109.632	ng	
90) Benzo(a)pyrene	15.468	252	2246430	308.366	ng	94
91) Dibenzo(a,h)anthracene	17.009	278	289801	45.641	ng	# 90
92) Benzo(g,h,i)perylene	17.450	276	992939	155.086	ng	99

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

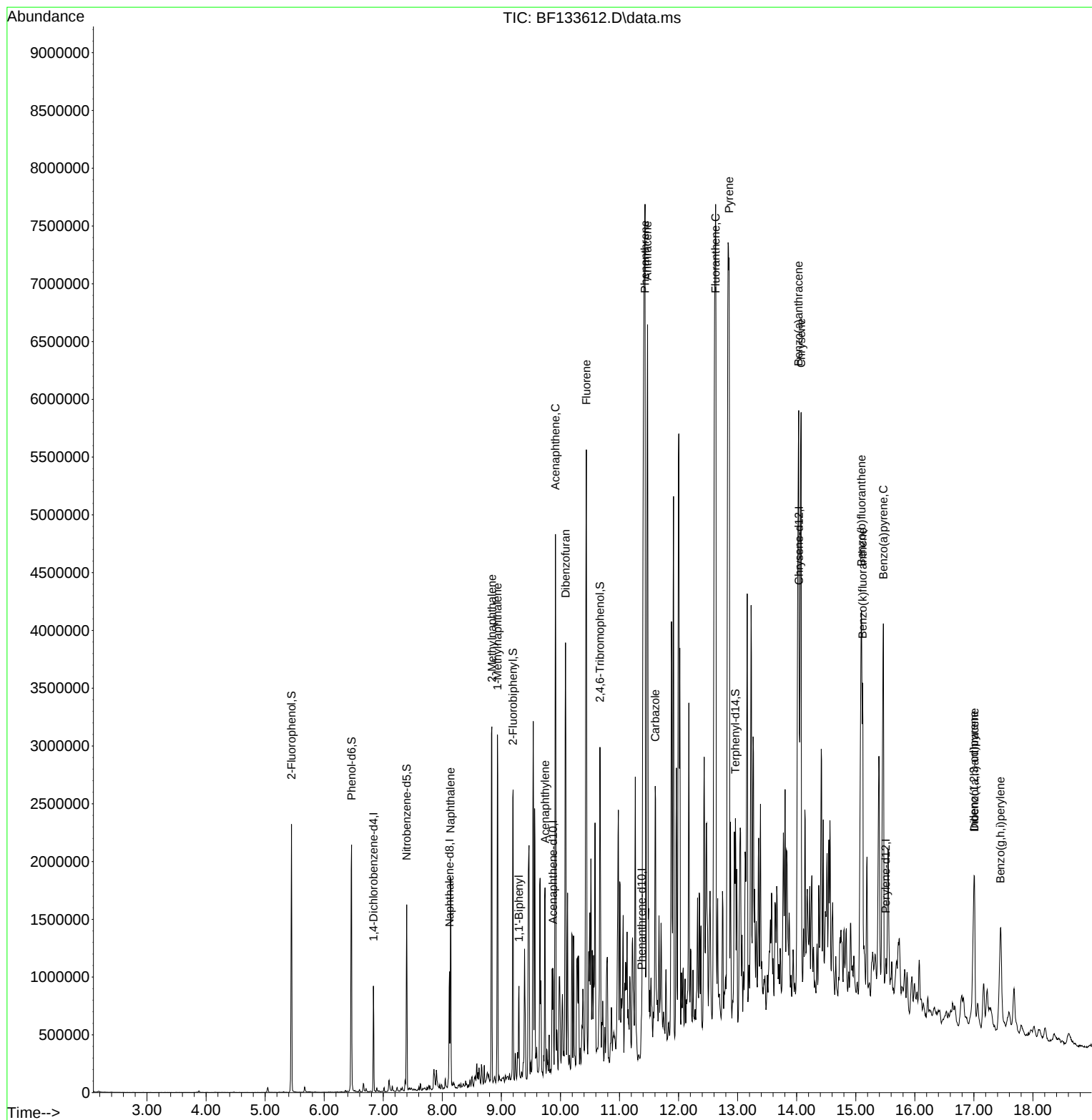
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133612.D
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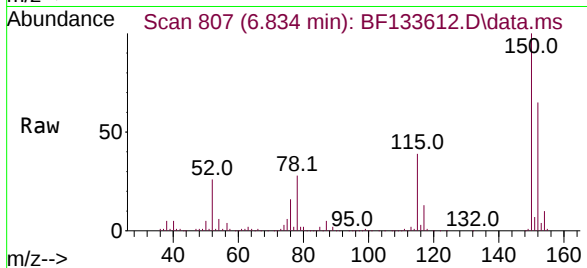
Quant Time: Jun 07 04:30:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 06 14:05:12 2023
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 808
 Delta R.T. -0.000 min
 Lab File: BF133612.D
 Acq: 07 Jun 2023 03:43

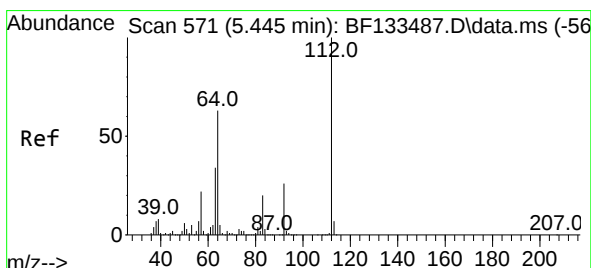
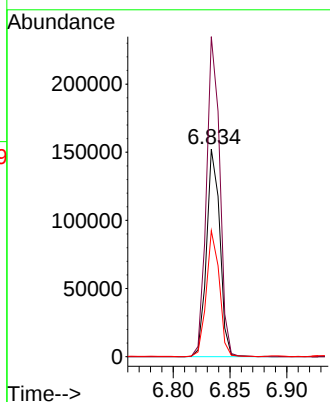
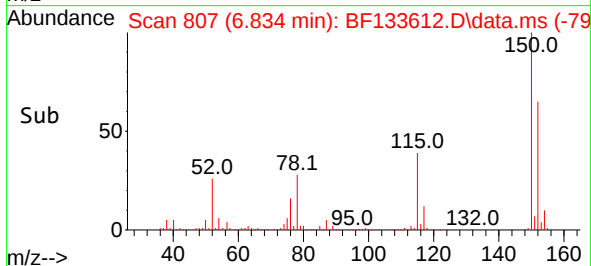
Instrument :
 BNA_F
 ClientSampleId :
 WC02



Tgt Ion:152 Resp: 123580
 Ion Ratio Lower Upper
 152 100
 150 154.2 124.9 187.3
 115 60.7 48.1 72.1

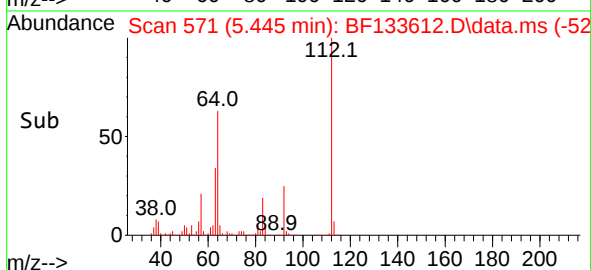
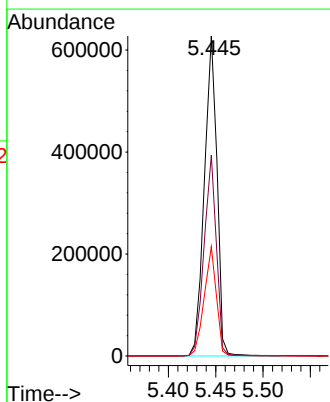
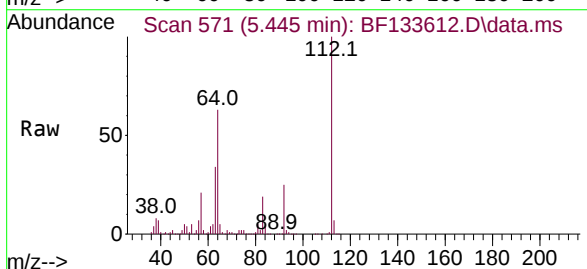
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 Supervised By :mohammad ahmed 06/08/2023



#5
 2-Fluorophenol
 Concen: 78.362 ng
 RT: 5.445 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: BF133612.D
 Acq: 07 Jun 2023 03:43

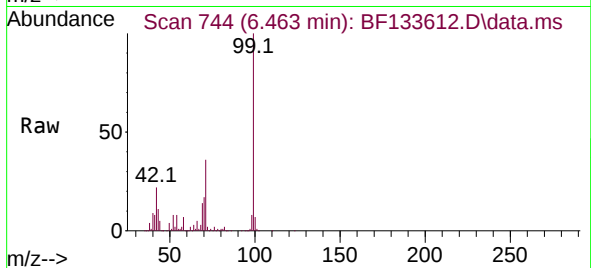
Tgt Ion:112 Resp: 580412
 Ion Ratio Lower Upper
 112 100
 64 62.8 50.1 75.1
 63 34.2 27.5 41.3





#7
Phenol-d6
Concen: 76.964 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

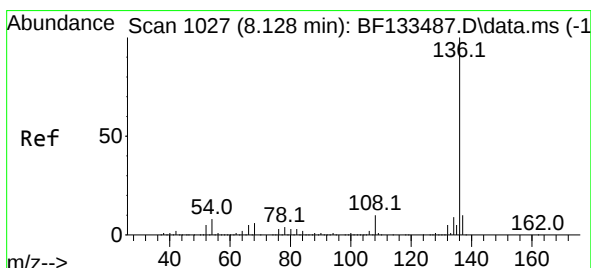
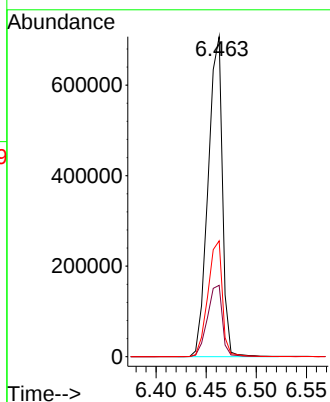
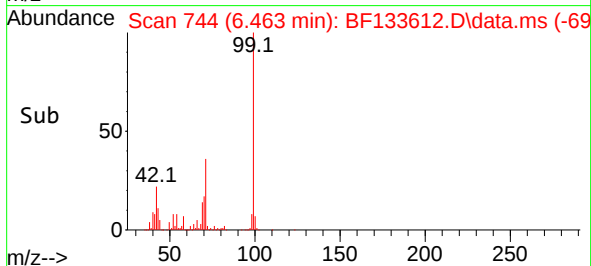
Instrument :
BNA_F
ClientSampleId :
WC02



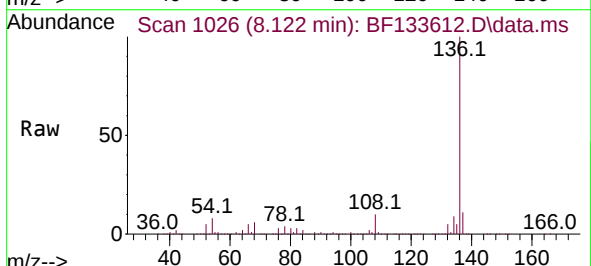
Tgt Ion: 99 Resp: 701750
Ion Ratio Lower Upper
99 100
42 22.3 19.7 29.5
71 36.2 29.8 44.8

Manual Integrations
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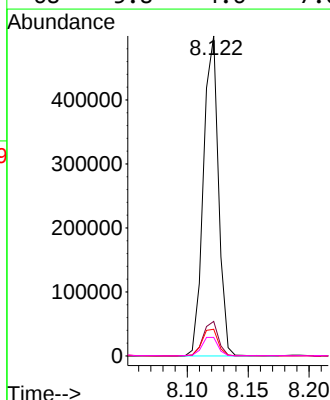
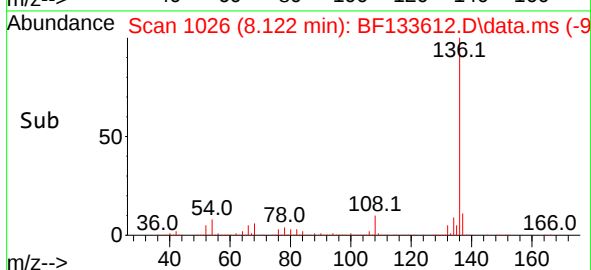
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43



Tgt Ion:136 Resp: 428179
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.3 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 66.425 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133612.D

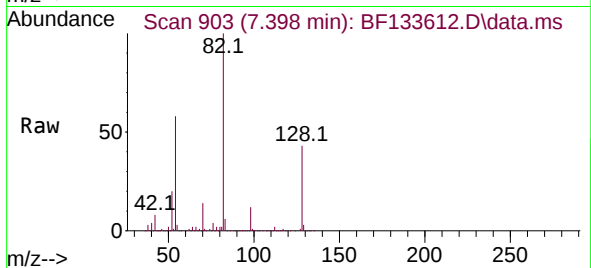
Acq: 07 Jun 2023 03:43

Instrument :

BNA_F

ClientSampleId :

WC02



Tgt Ion: 82 Resp: 42597

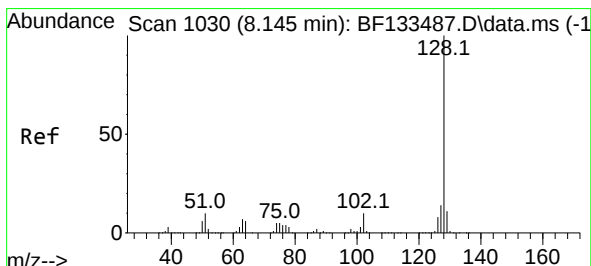
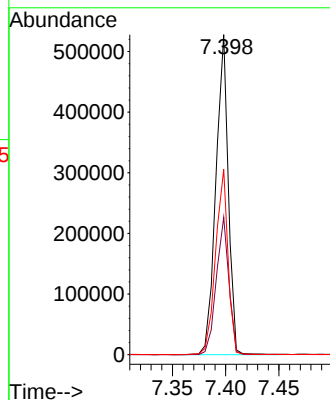
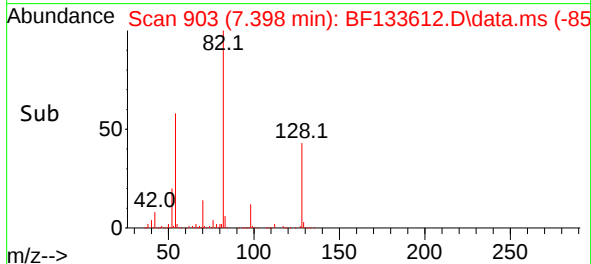
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.2	51.4
54	57.9	48.2	72.4

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#31

Naphthalene

Concen: 34.203 ng

RT: 8.139 min Scan# 1029

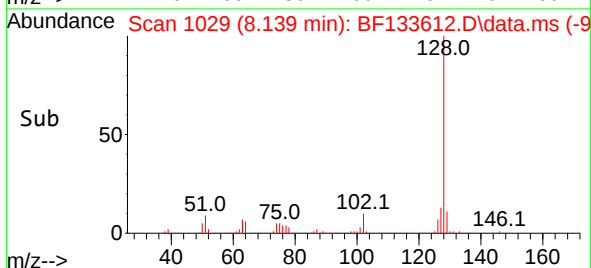
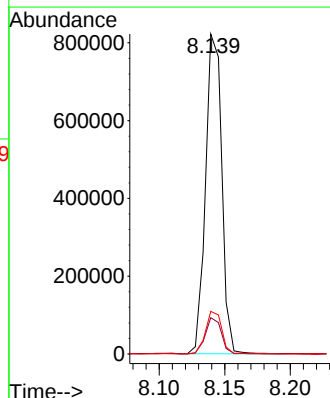
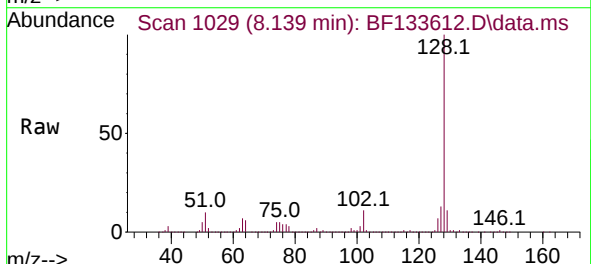
Delta R.T. -0.006 min

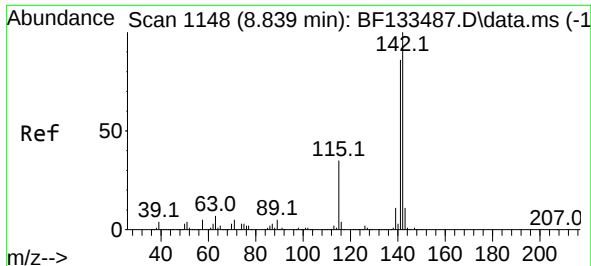
Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

Tgt Ion:128 Resp: 710016

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.3	10.9	16.3





#37

2-Methylnaphthalene

Concen: 60.687 ng

RT: 8.839 min Scan# 1148

Delta R.T. 0.006 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

Instrument :

BNA_F

ClientSampleId :

WC02

Tgt Ion:142 Resp: 86013

Ion Ratio Lower Upper

142 100

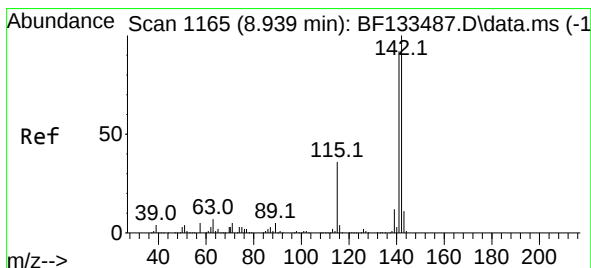
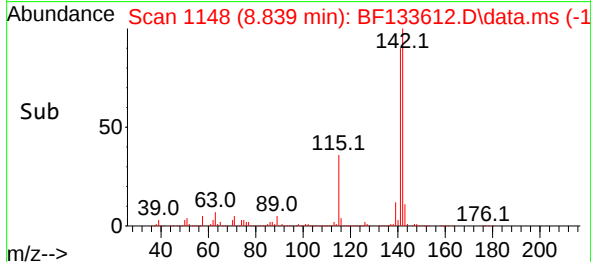
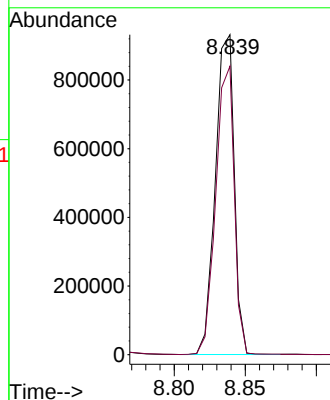
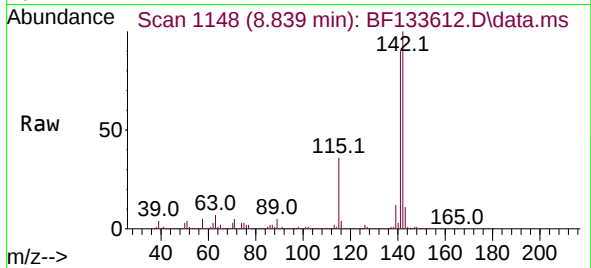
141 90.2 69.2 103.8

Manual Integrations

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Supervised By :mohammad ahmed 06/08/2023



#38

1-Methylnaphthalene

Concen: 60.082 ng

RT: 8.933 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF133612.D

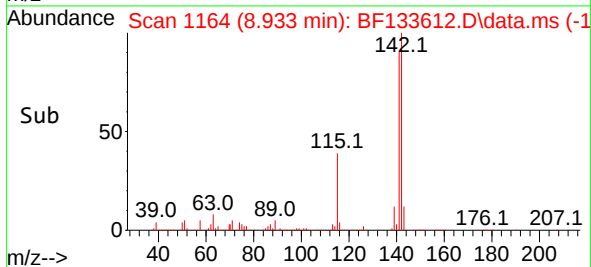
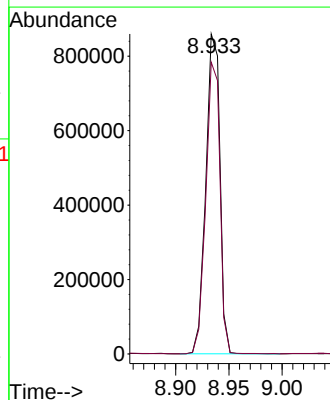
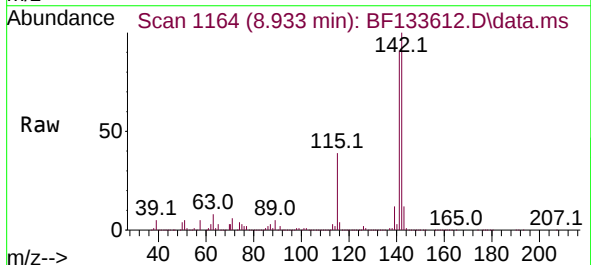
Acq: 07 Jun 2023 03:43

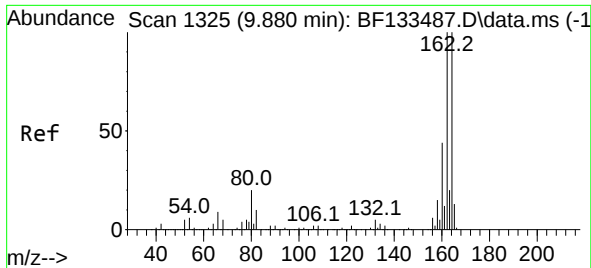
Tgt Ion:142 Resp: 793805

Ion Ratio Lower Upper

142 100

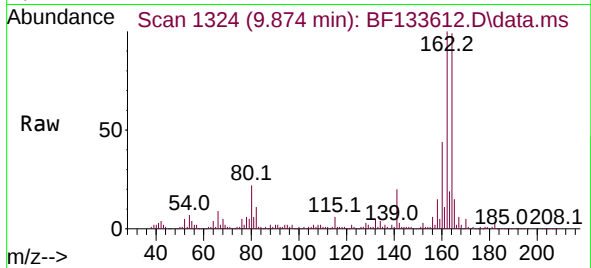
141 91.1 73.6 110.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

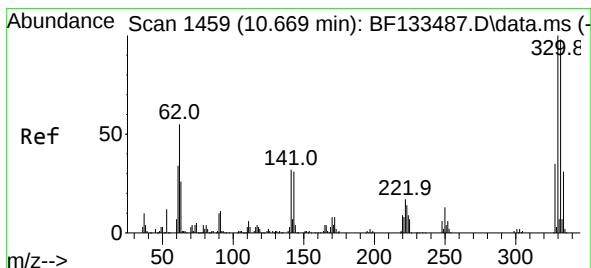
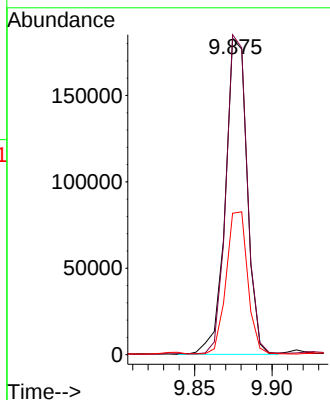
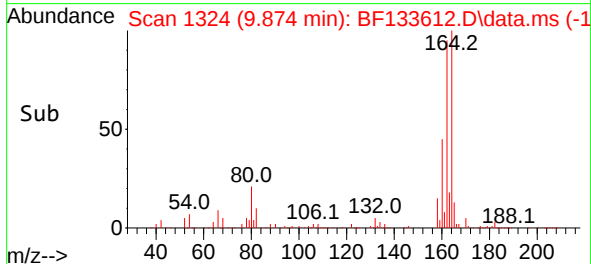
Instrument :
BNA_F
ClientSampleId :
WC02



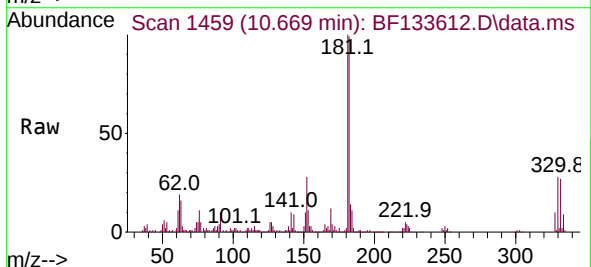
Tgt Ion:164 Resp: 178349
Ion Ratio Lower Upper
164 100
162 101.1 79.7 119.5
160 44.7 35.4 53.0

Manual Integrations
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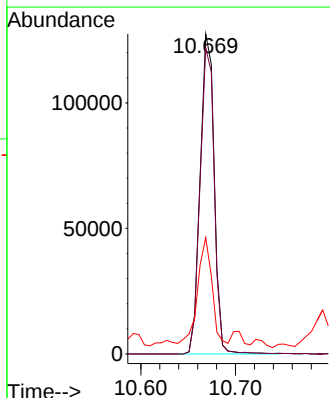
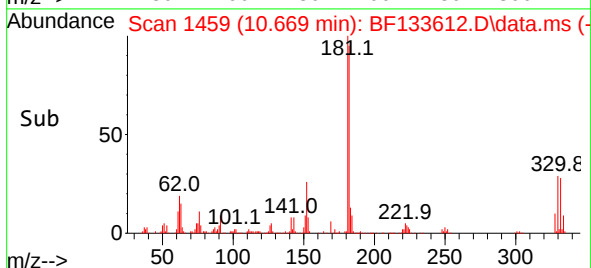
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

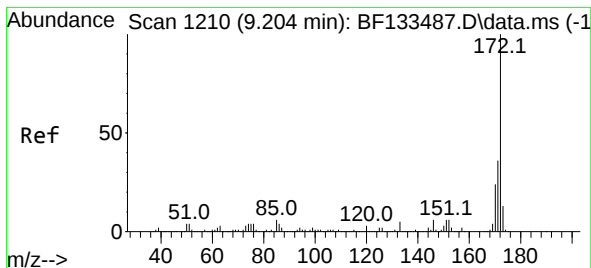


#42
2,4,6-Tribromophenol
Concen: 73.831 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43



Tgt Ion:330 Resp: 131258
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 32.7 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 64.436 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

Instrument :

BNA_F

ClientSampleId :

WC02

Tgt Ion:172 Resp: 74457

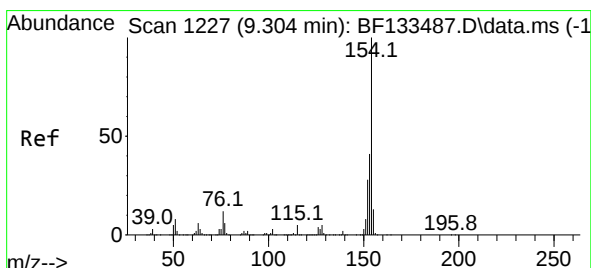
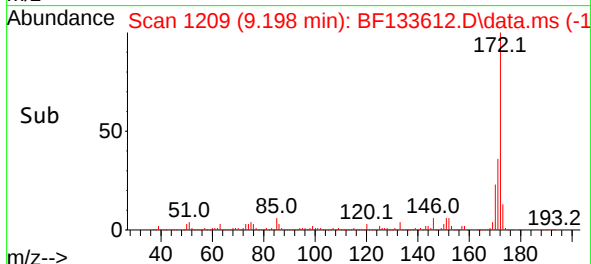
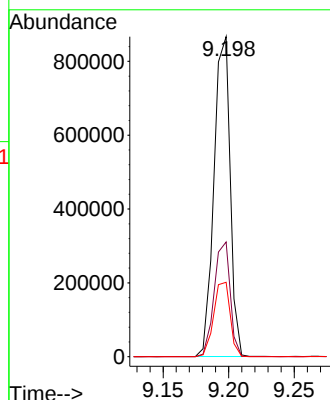
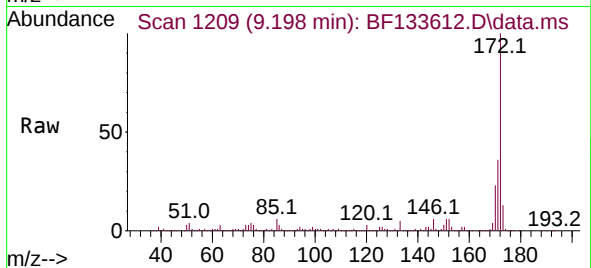
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.4	42.6
170	23.3	19.3	28.9

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#46

1,1'-Biphenyl

Concen: 15.874 ng

RT: 9.298 min Scan# 1226

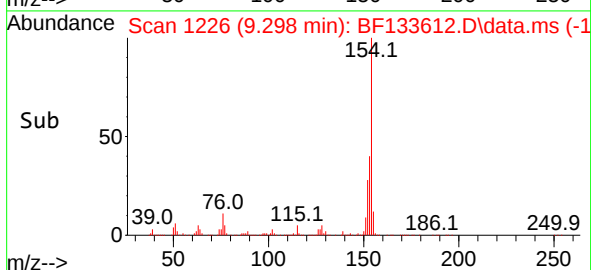
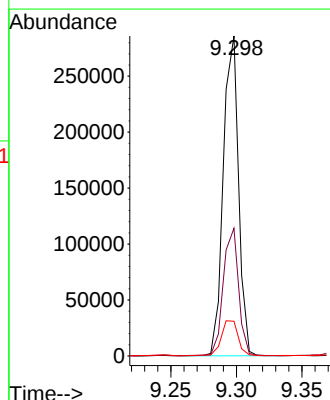
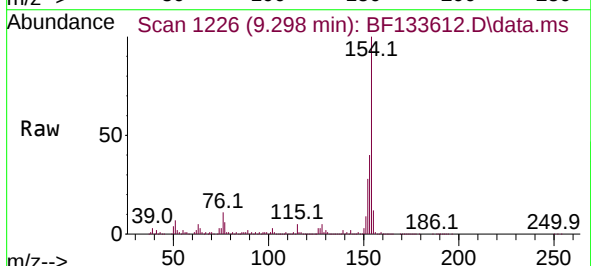
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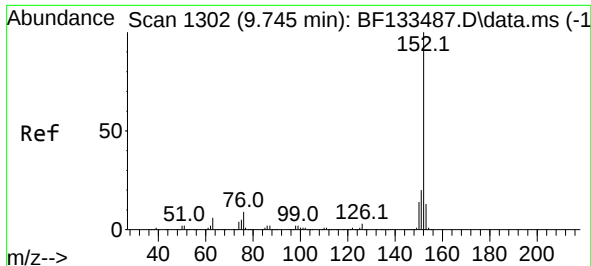
Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

Tgt Ion:154 Resp: 230020

Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.0	61.0
76	10.9	0.0	32.5





#49

Acenaphthylene

Concen: 14.739 ng

RT: 9.739 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

Instrument :

BNA_F

ClientSampleId :

WC02

Tgt Ion:152 Resp: 26413

Ion Ratio Lower Upper

152 100

151 21.7 16.0 24.0

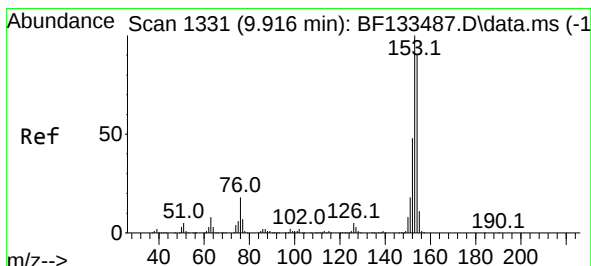
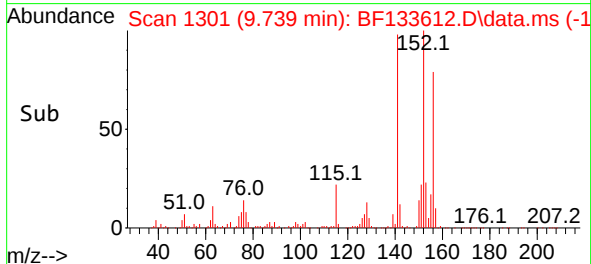
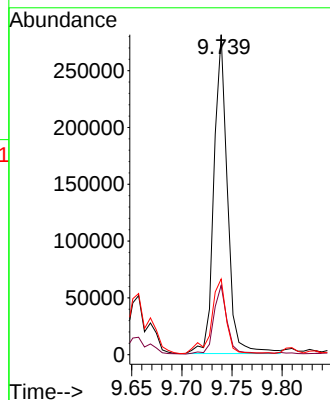
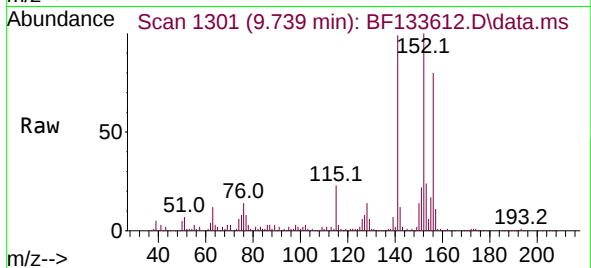
153 23.6 10.4 15.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#52

Acenaphthene

Concen: 98.681 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.006 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

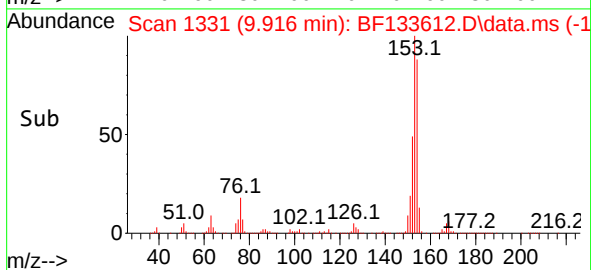
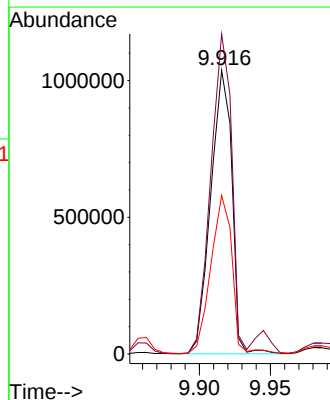
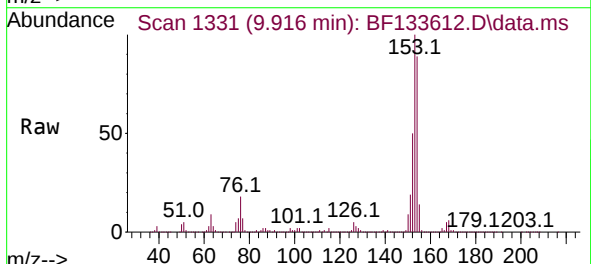
Tgt Ion:154 Resp: 1071253

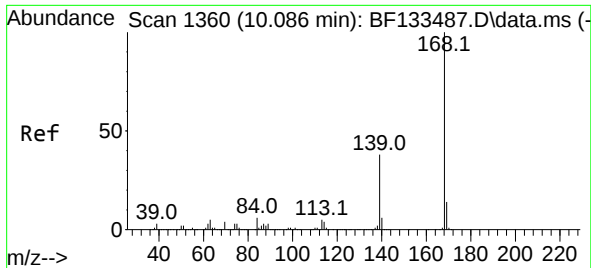
Ion Ratio Lower Upper

154 100

153 112.8 89.2 133.8

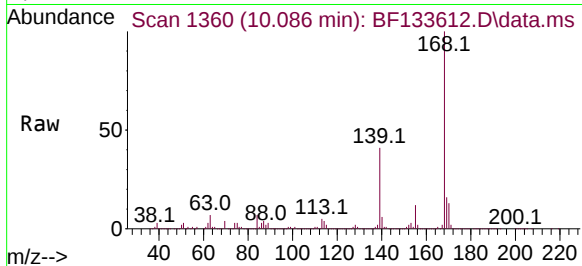
152 55.9 43.1 64.7





#55
Dibenzenofuran
Concen: 79.481 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

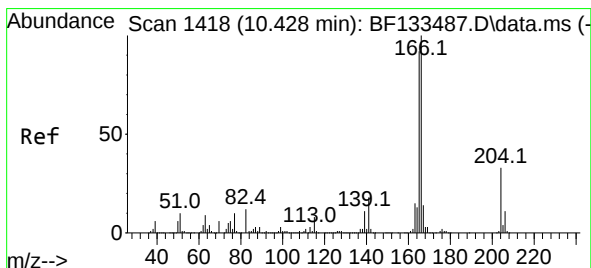
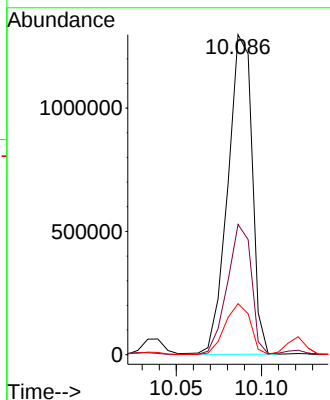
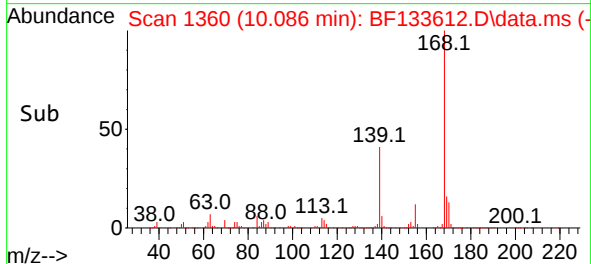
Instrument :
BNA_F
ClientSampleId :
WC02



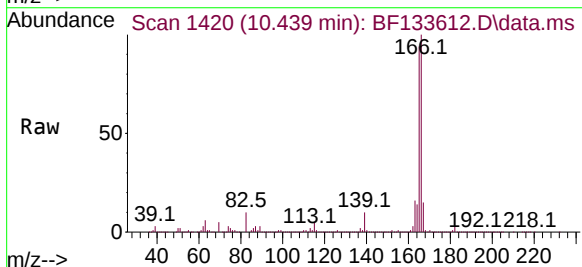
Tgt Ion:168 Resp: 128368
Ion Ratio Lower Upper
168 100
139 40.7 30.6 46.0
169 16.0 10.9 16.3

Manual Integrations
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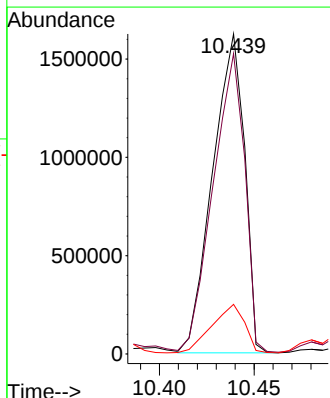
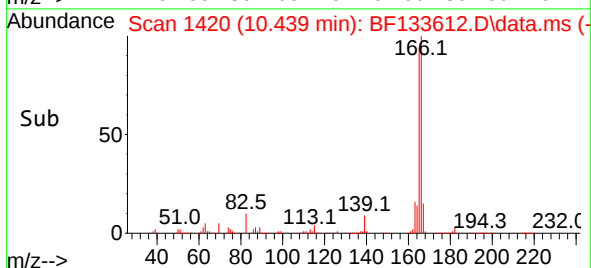
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

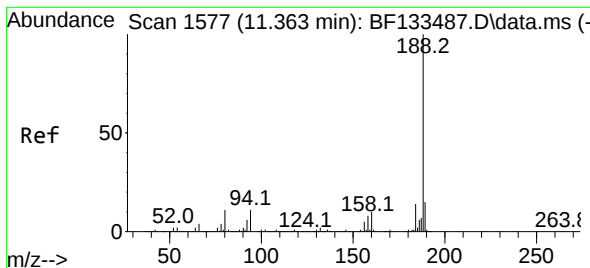


#58
Fluorene
Concen: 160.255 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.012 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43



Tgt Ion:166 Resp: 1896287
Ion Ratio Lower Upper
166 100
165 93.9 73.4 110.0
167 15.5 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1579

Delta R.T. 0.012 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

Instrument :

BNA_F

ClientSampleId :

WC02

Tgt Ion:188 Resp: 257930

Ion Ratio Lower Upper

188 100

94 10.8 8.6 12.8

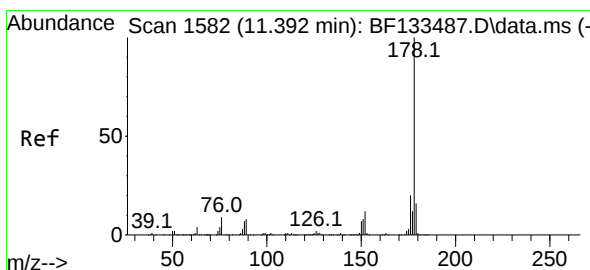
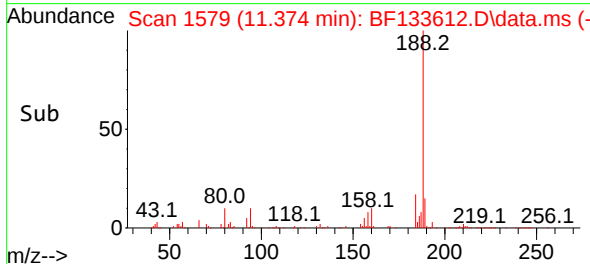
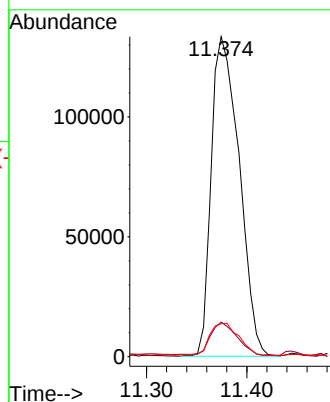
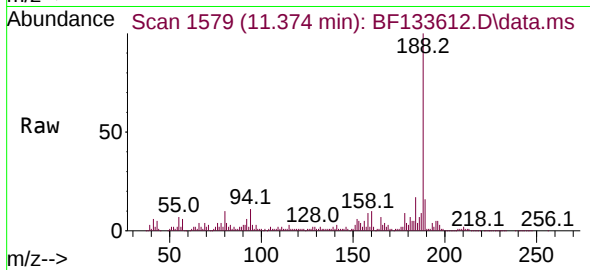
80 10.3 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#71

Phenanthrene

Concen: 568.805 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.041 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

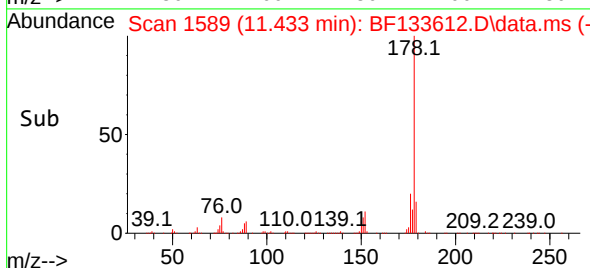
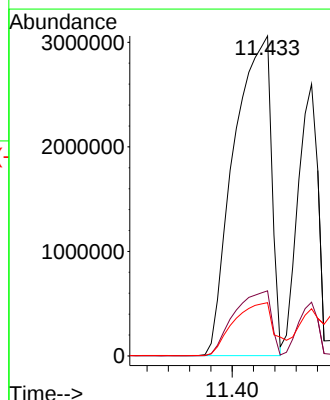
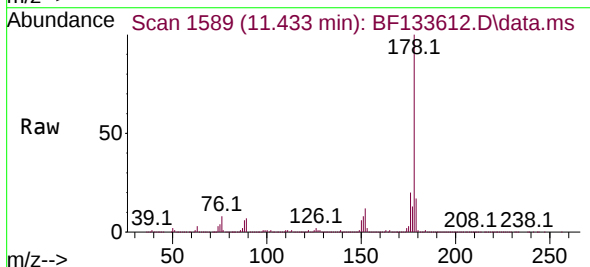
Tgt Ion:178 Resp: 7431010

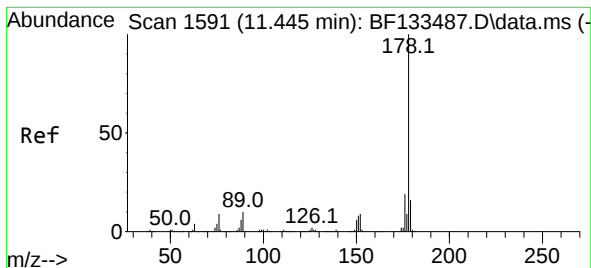
Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

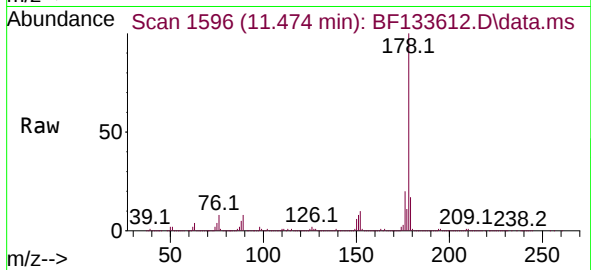
179 16.6 12.4 18.6





#72
 Anthracene
 Concen: 257.443 ng m
 RT: 11.474 min Scan# 11
 Delta R.T. 0.035 min
 Lab File: BF133612.D
 Acq: 07 Jun 2023 03:43

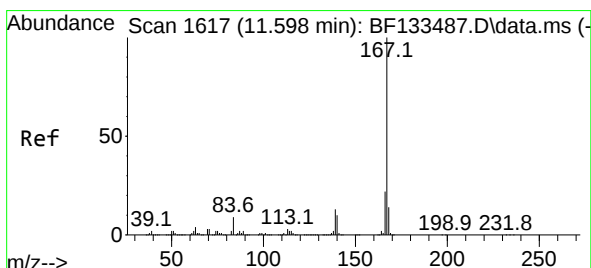
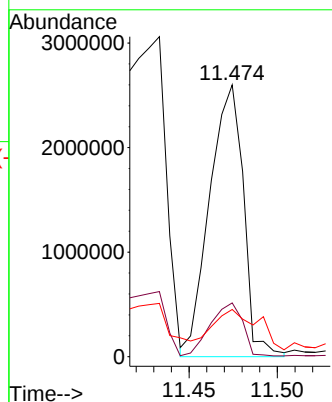
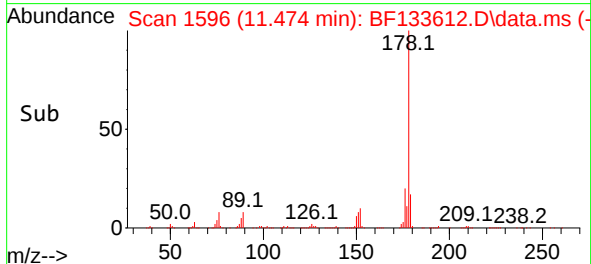
Instrument :
 BNA_F
 ClientSampleId :
 WC02



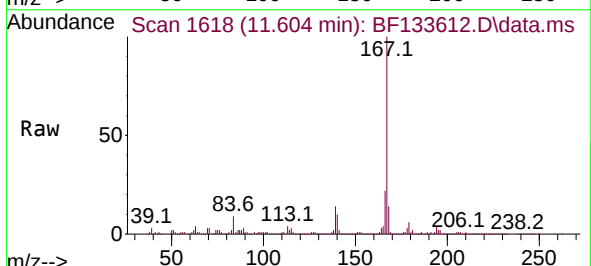
Tgt Ion:178 Resp: 346147
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.3 22.9
 179 17.4 12.6 18.8

Manual Integrations
 APPROVED

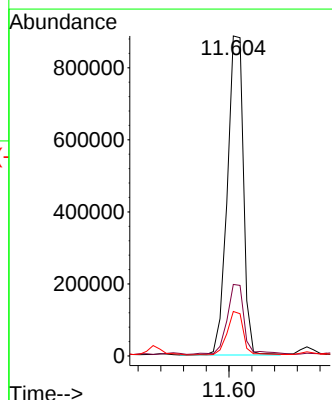
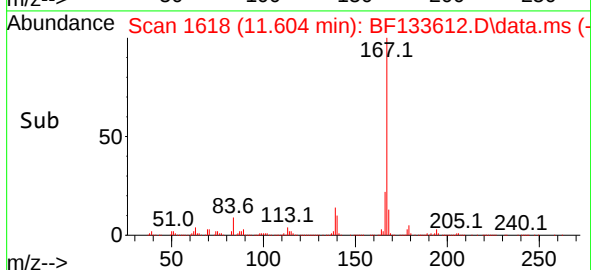
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

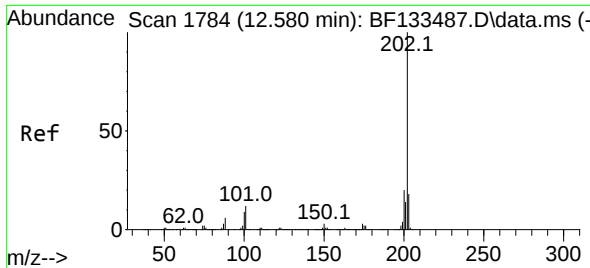


#73
 Carbazole
 Concen: 68.644 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF133612.D
 Acq: 07 Jun 2023 03:43



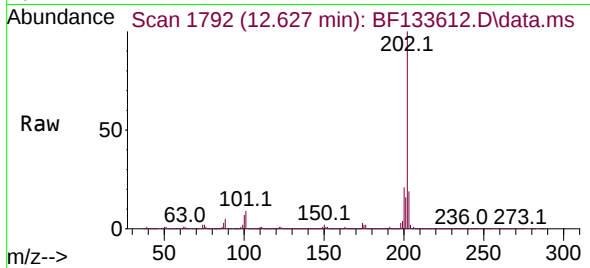
Tgt Ion:167 Resp: 872851
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.3 25.9
 139 13.9 10.7 16.1





#75
Fluoranthene
Concen: 511.358 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

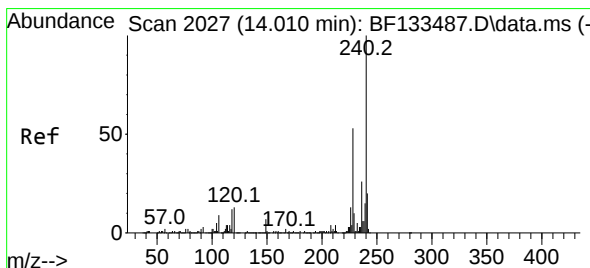
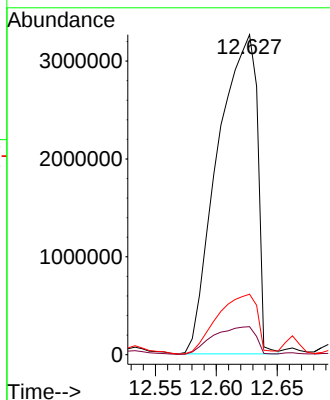
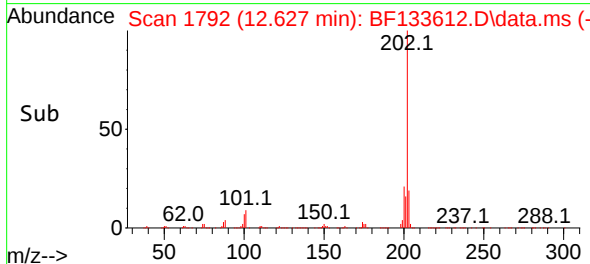
Instrument :
BNA_F
ClientSampleId :
WC02



Tgt Ion:202 Resp: 737913
Ion Ratio Lower Upper
202 100
101 8.7 0.0 32.2
203 18.9 0.0 37.8

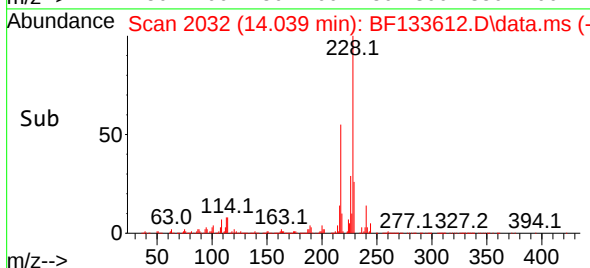
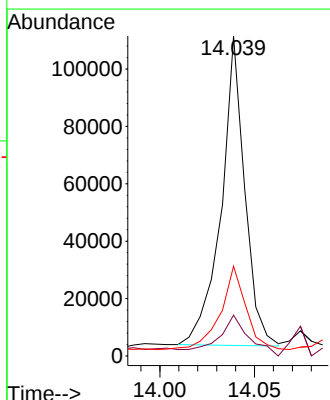
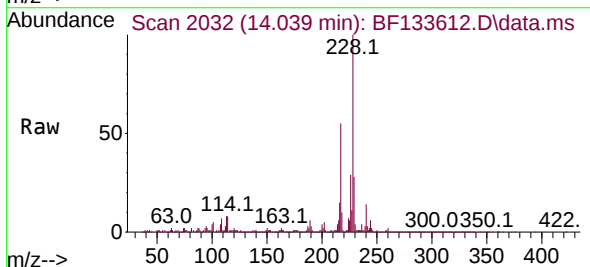
Manual Integrations
APPROVED

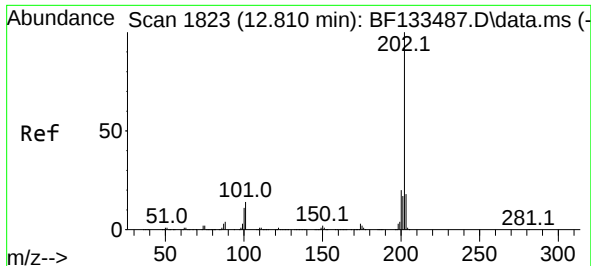
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.029 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

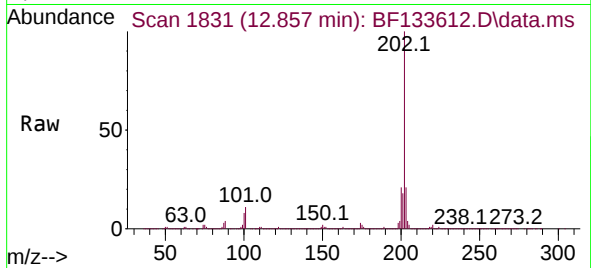
Tgt Ion:240 Resp: 93314
Ion Ratio Lower Upper
240 100
120 12.8 10.3 15.5
236 28.1 20.5 30.7





#78
Pyrene
Concen: 755.491 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.047 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

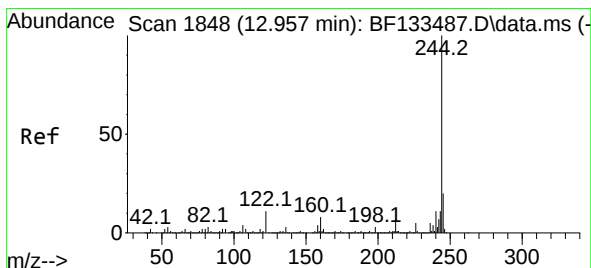
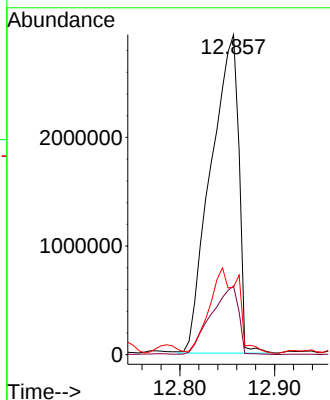
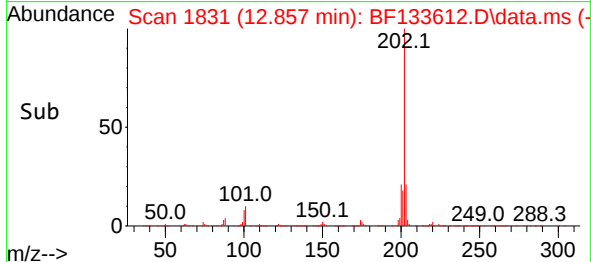
Instrument :
BNA_F
ClientSampleId :
WC02



Tgt Ion:202 Resp: 599905
Ion Ratio Lower Upper
202 100
200 21.5 16.3 24.5
203 21.1 14.3 21.5

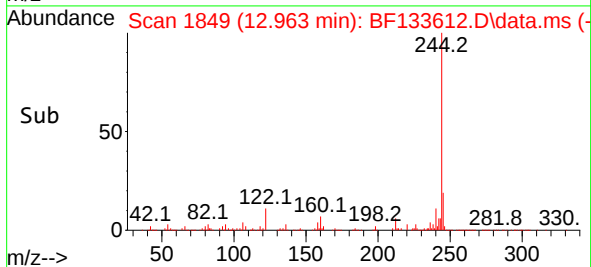
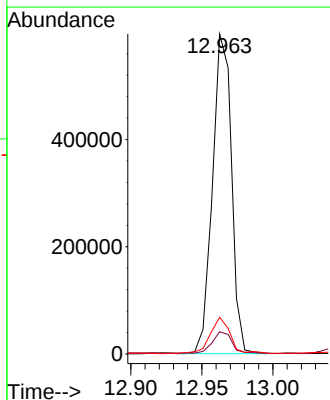
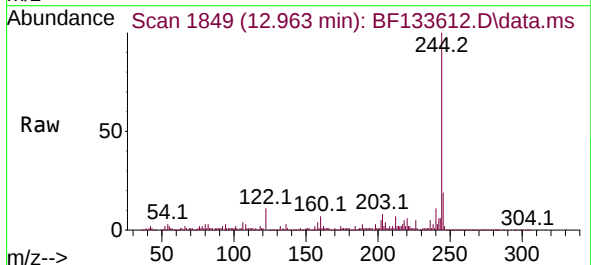
Manual Integrations
APPROVED

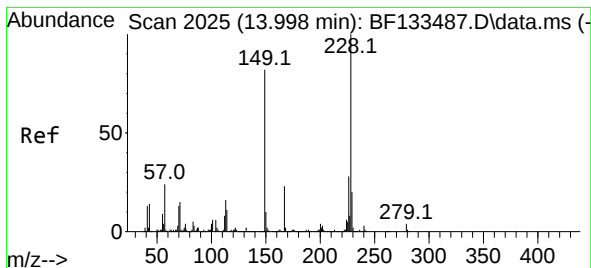
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#79
Terphenyl-d14
Concen: 105.146 ng
RT: 12.963 min Scan# 1849
Delta R.T. 0.006 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

Tgt Ion:244 Resp: 551838
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 11.5 8.5 12.7





#81

Benzo(a)anthracene

Concen: 527.838 ng

RT: 14.033 min Scan# 2025

Delta R.T. 0.035 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

Instrument :

BNF

ClientSampleId :

WC02

Tgt Ion:228 Resp: 328118

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

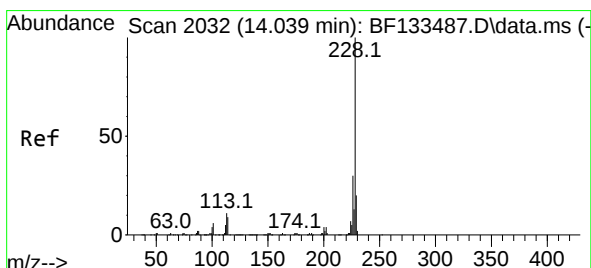
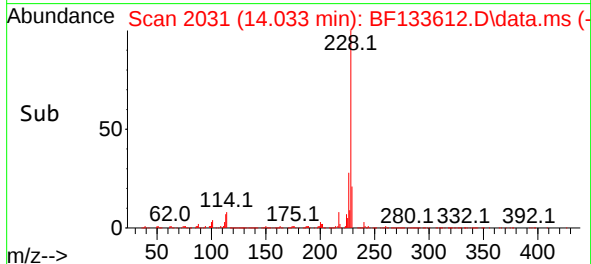
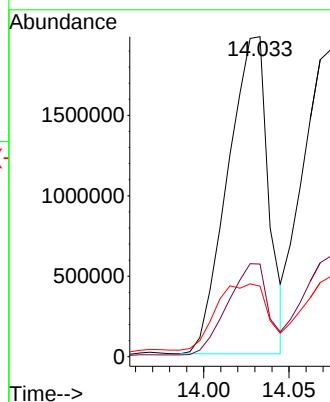
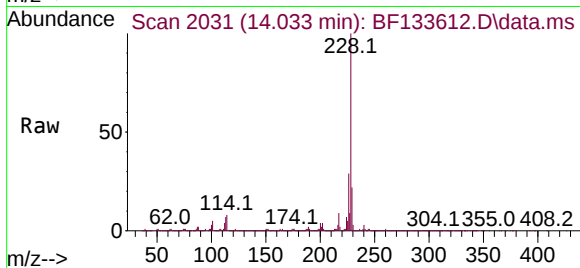
229 22.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#83

Chrysene

Concen: 415.118 ng m

RT: 14.074 min Scan# 2038

Delta R.T. 0.035 min

Lab File: BF133612.D

Acq: 07 Jun 2023 03:43

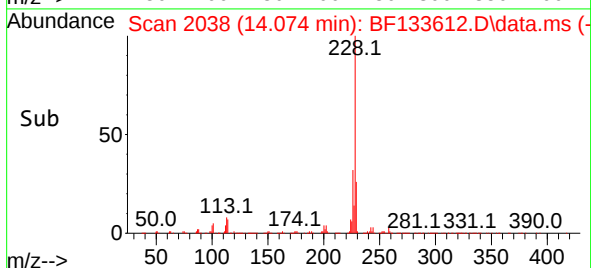
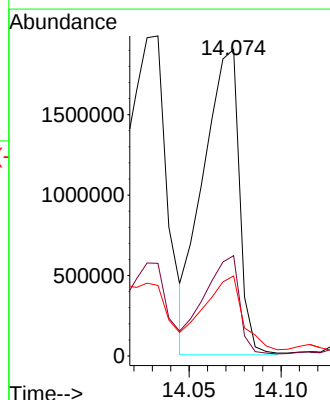
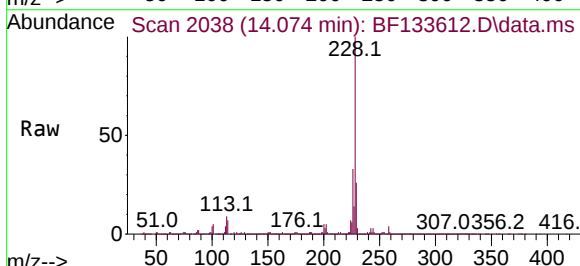
Tgt Ion:228 Resp: 2605037

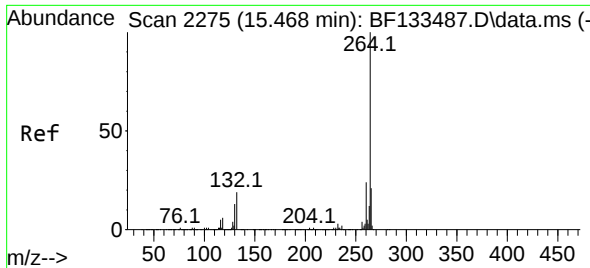
Ion Ratio Lower Upper

228 100

226 32.7 24.1 36.1

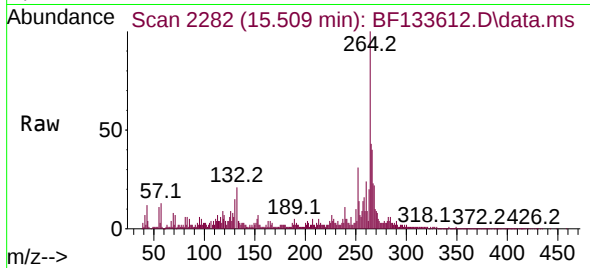
229 26.1 15.8 23.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

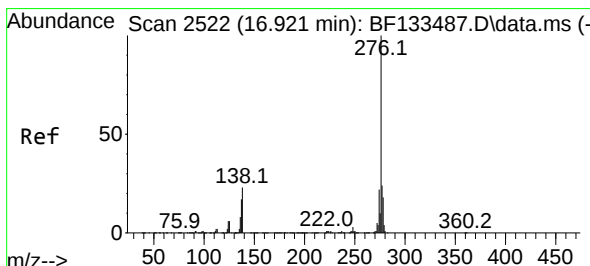
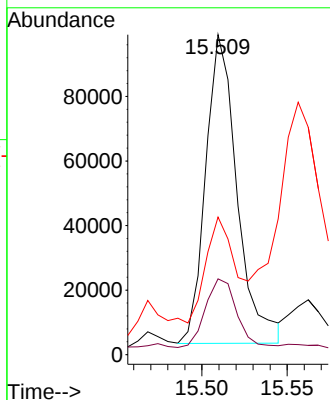
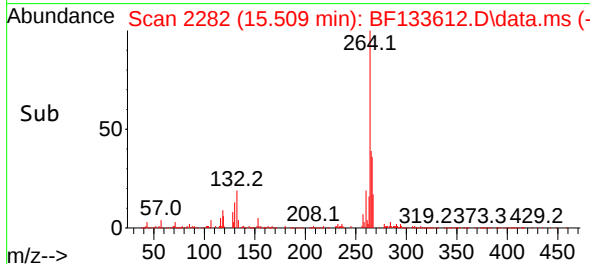
Instrument :
BNA_F
ClientSampleId :
WC02



Tgt Ion:264 Resp: 12294
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 43.0 16.8 25.2

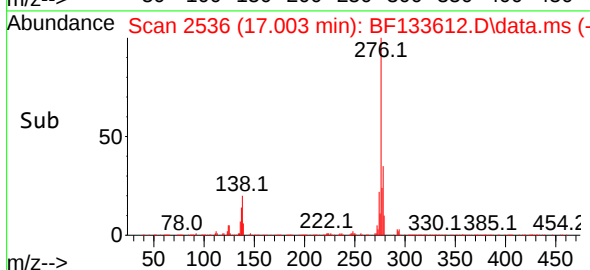
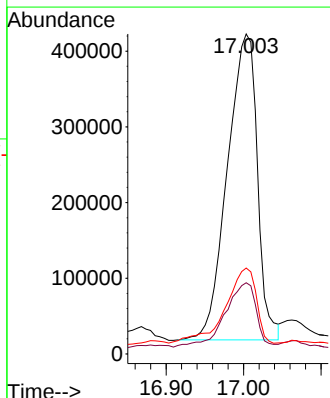
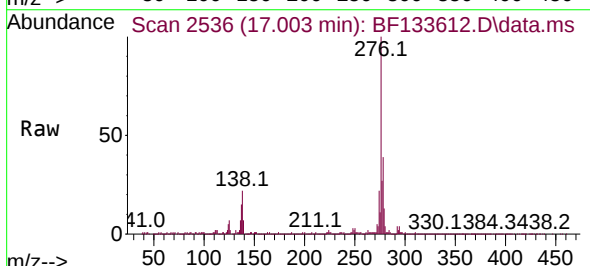
Manual Integrations
APPROVED

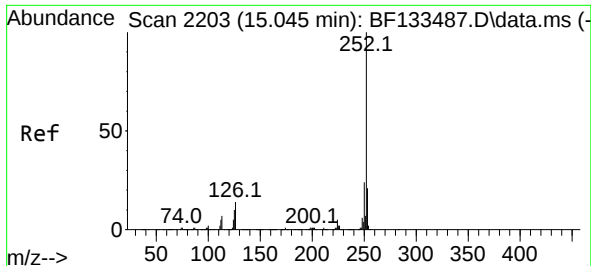
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 138.996 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.071 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

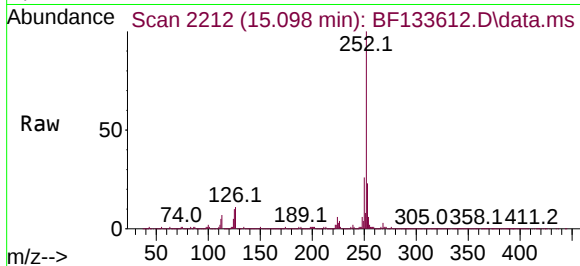
Tgt Ion:276 Resp: 1088550
Ion Ratio Lower Upper
276 100
138 22.5 21.4 32.2
277 26.2 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 380.842 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.053 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

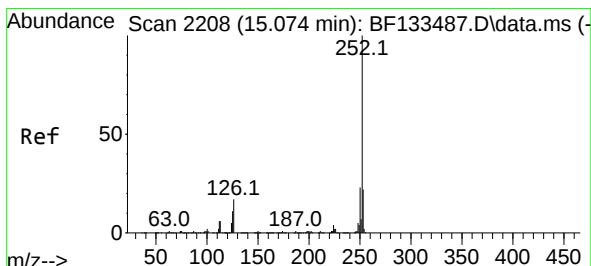
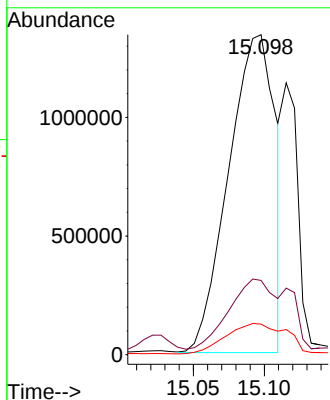
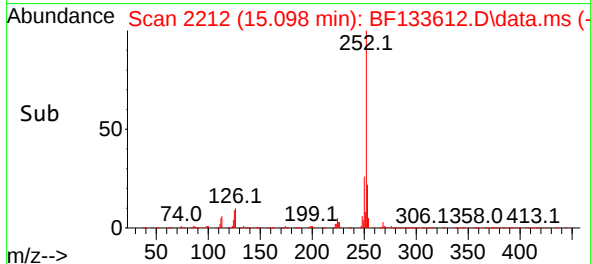
Instrument :
BNA_F
ClientSampleId :
WC02



Tgt Ion:252 Resp: 304900
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 9.6 8.1 12.1

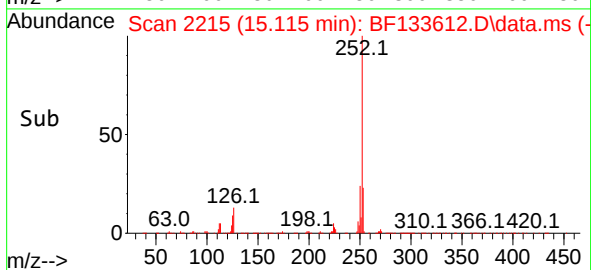
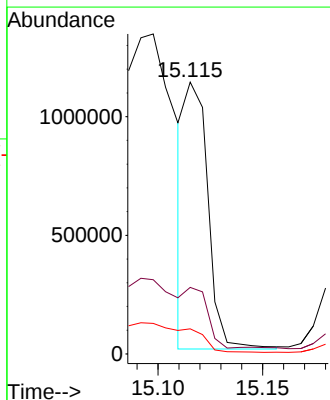
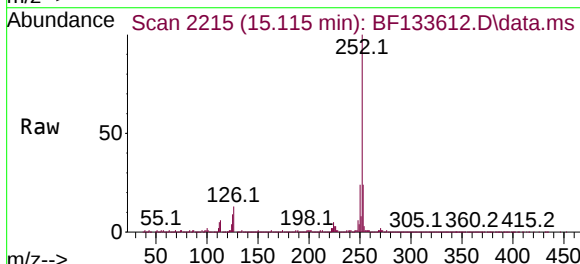
Manual Integrations
APPROVED

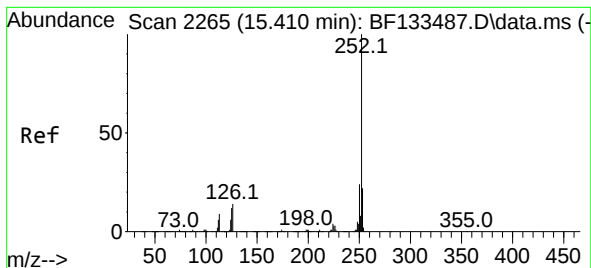
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#89
Benzo(k)fluoranthene
Concen: 109.632 ng m
RT: 15.115 min Scan# 2215
Delta R.T. 0.041 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

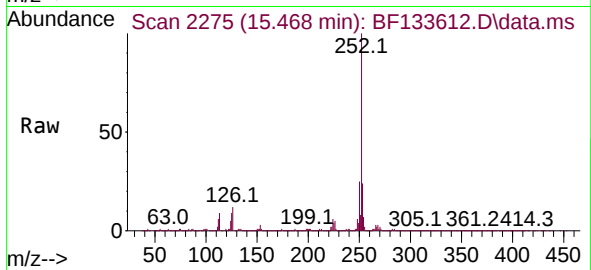
Tgt Ion:252 Resp: 855829
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 9.3 8.3 12.5





#90
Benzo(a)pyrene
Concen: 308.366 ng
RT: 15.468 min Scan# 211
Delta R.T. 0.059 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

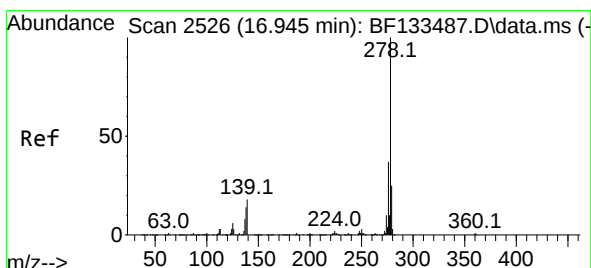
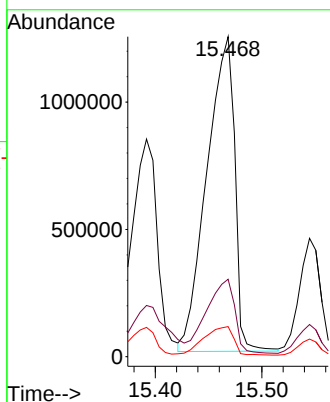
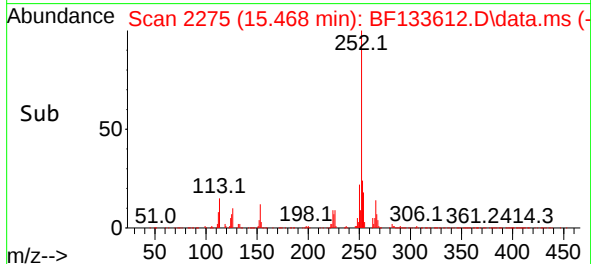
Instrument :
BNA_F
ClientSampleId :
WC02



Tgt Ion:252 Resp: 2246430
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 9.4 9.4 14.0

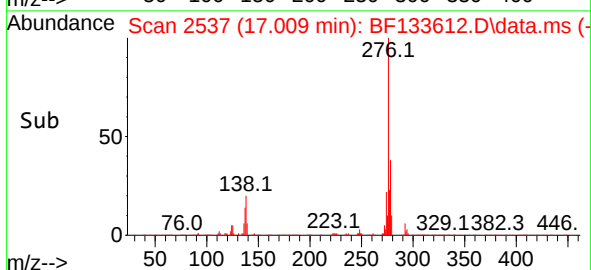
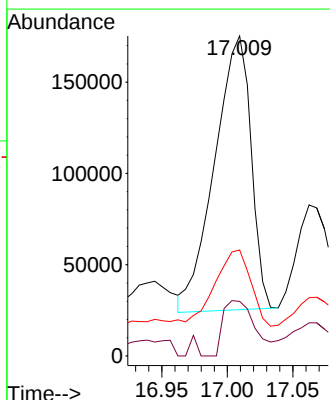
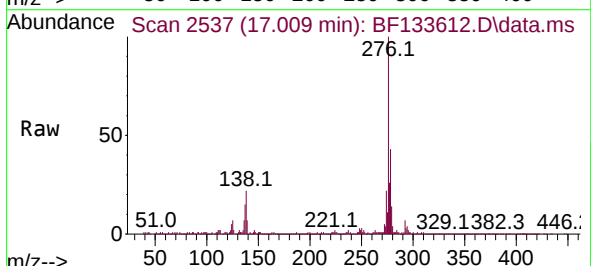
Manual Integrations
APPROVED

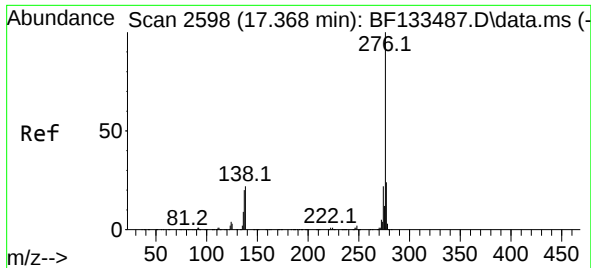
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#91
Dibenzo(a,h)anthracene
Concen: 45.641 ng
RT: 17.009 min Scan# 2537
Delta R.T. 0.059 min
Lab File: BF133612.D
Acq: 07 Jun 2023 03:43

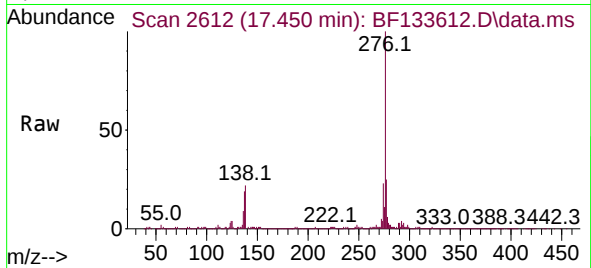
Tgt Ion:278 Resp: 289801
Ion Ratio Lower Upper
278 100
139 17.1 14.1 21.1
279 33.1 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 155.086 ng
 RT: 17.450 min Scan# 20
 Delta R.T. 0.076 min
 Lab File: BF133612.D
 Acq: 07 Jun 2023 03:43

Instrument :
 BNA_F
 ClientSampleId :
 WC02



Tgt Ion:276 Resp: 992939
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.8 28.2
 138 22.1 17.8 26.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

