

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133613.D
 Acq On : 07 Jun 2023 04:14
 Operator : CG\JU
 Sample : 03002-07
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC03

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 04:46:55 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	118449	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	421595	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	178746	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	301392	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	140026	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	129108	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	629152	88.622	ng	0.00
7) Phenol-d6	6.463	99	747357	85.517	ng	0.00
23) Nitrobenzene-d5	7.398	82	451116	71.444	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	153027	85.885	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	730894	63.111	ng	0.00
79) Terphenyl-d14	12.957	244	512419	65.065	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	104863	5.130	ng	99
37) 2-Methylnaphthalene	8.834	142	32239	2.310	ng	99
49) Acenaphthylene	9.739	152	159973	8.907	ng	98
55) Dibenzofuran	10.080	168	49420	3.053	ng	98
58) Fluorene	10.422	166	50961	4.297	ng	98
71) Phenanthrene	11.392	178	603974	39.565	ng	100
72) Anthracene	11.439	178	116875	7.439	ng	100
73) Carbazole	11.592	167	78653	5.294	ng	99
75) Fluoranthene	12.586	202	970610	57.563	ng	98
78) Pyrene	12.816	202	817393	68.599	ng	100
81) Benzo(a)anthracene	14.004	228	364724	39.100	ng	94
83) Chrysene	14.039	228	367088	38.982	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	172088	20.925	ng	95
88) Benzo(b)fluoranthene	15.057	252	444287m	52.846	ng	
89) Benzo(k)fluoranthene	15.080	252	119905m	14.627	ng	
90) Benzo(a)pyrene	15.421	252	250420	32.735	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	38574	5.785	ng	# 74
92) Benzo(g,h,i)perylene	17.392	276	177375	26.382	ng	97

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

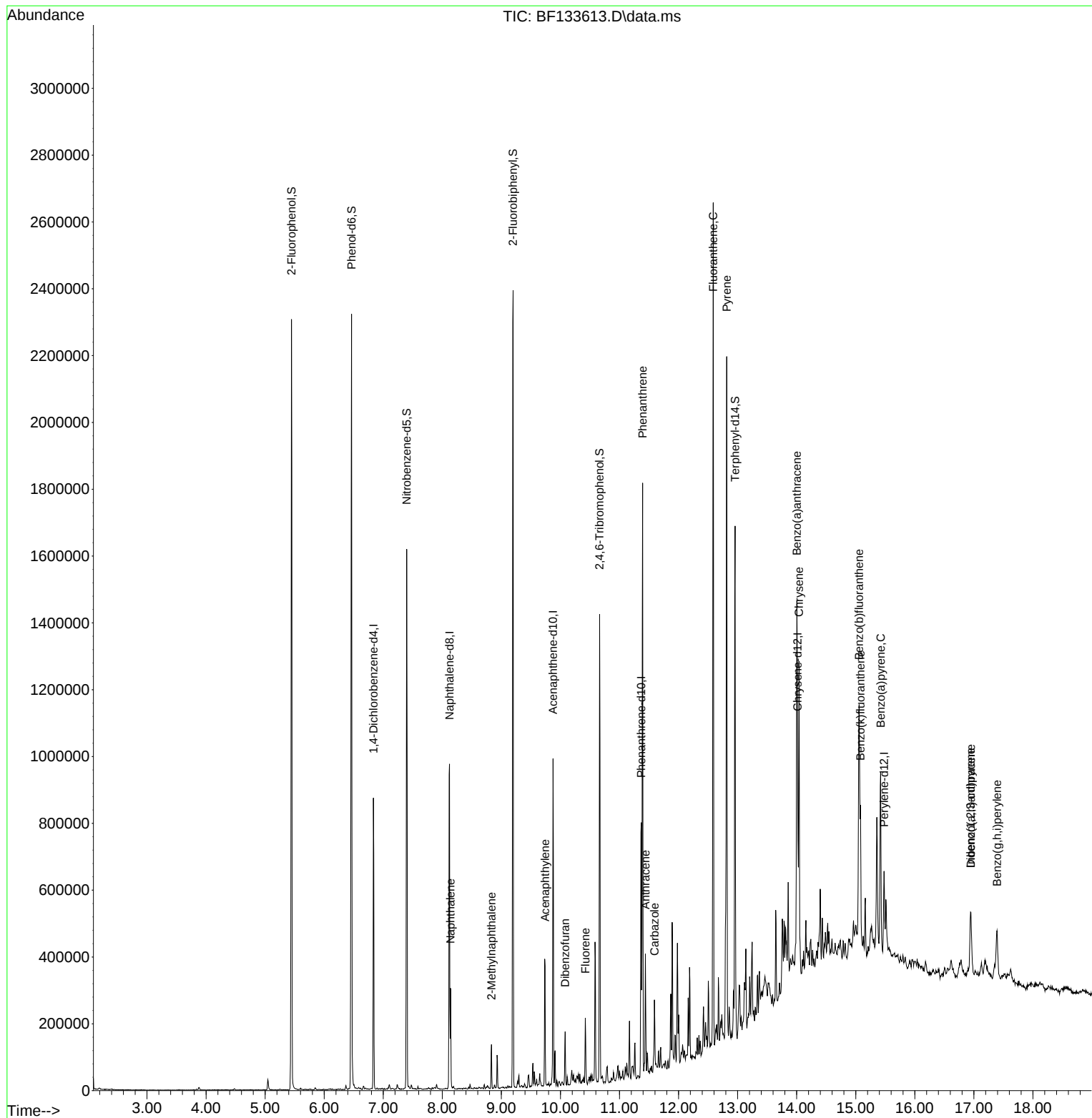
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133613.D
Acq On : 07 Jun 2023 04:14
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ALS Vial : 27 Sample Multiplier: 1

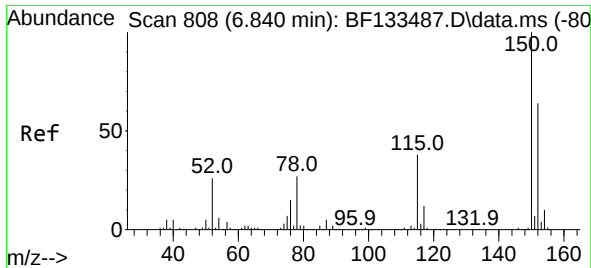
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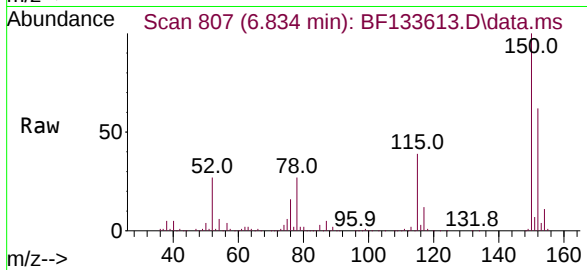
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

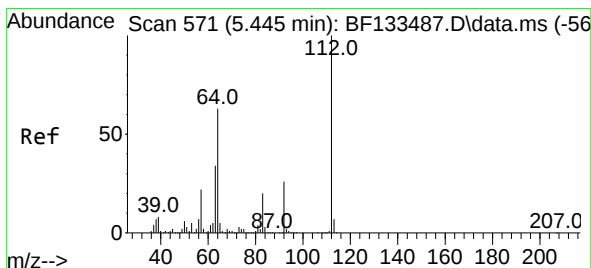
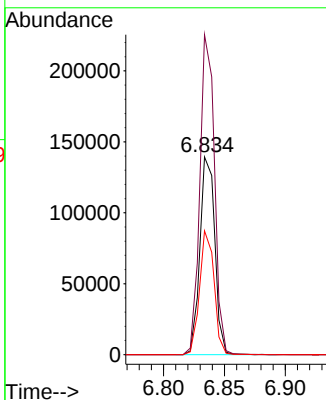
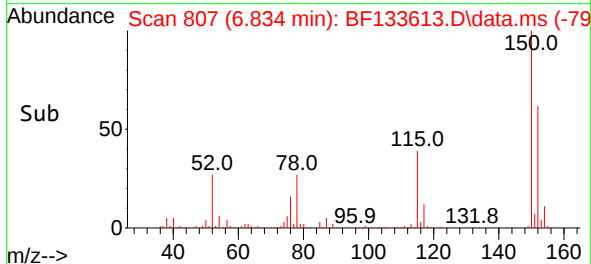
Instrument :
BNA_F
ClientSampleId :
WC03



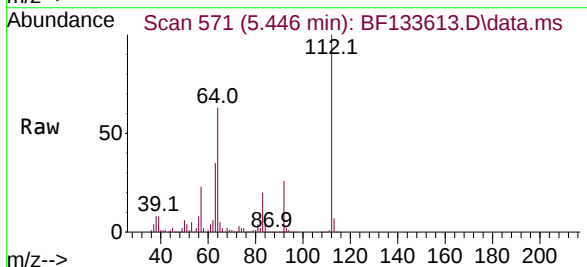
Tgt Ion:152 Resp: 118449
Ion Ratio Lower Upper
152 100
150 161.8 124.9 187.3
115 62.6 48.1 72.1

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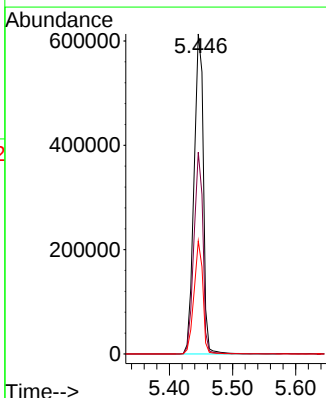
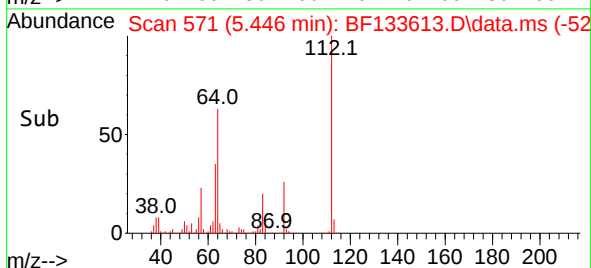
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

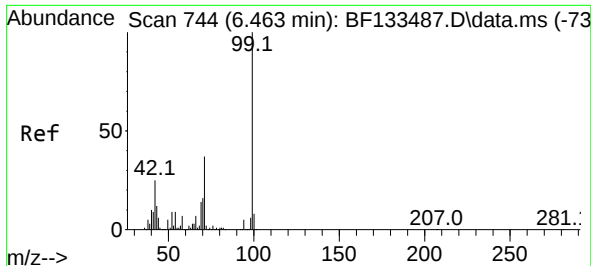


#5
2-Fluorophenol
Concen: 88.622 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14



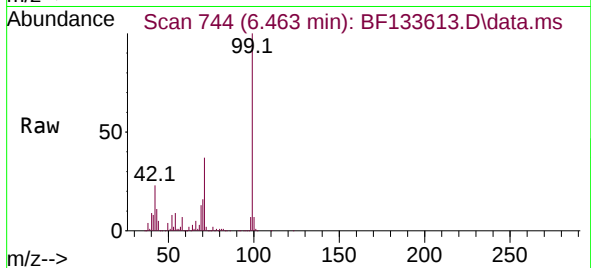
Tgt Ion:112 Resp: 629152
Ion Ratio Lower Upper
112 100
64 63.1 50.1 75.1
63 35.3 27.5 41.3





#7
Phenol-d6
Concen: 85.517 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

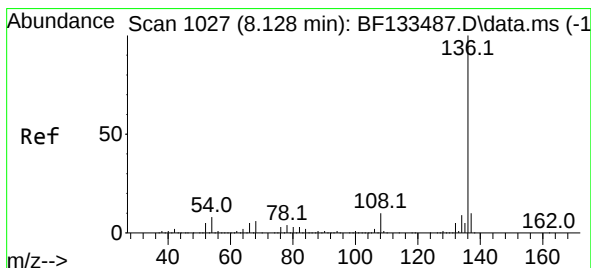
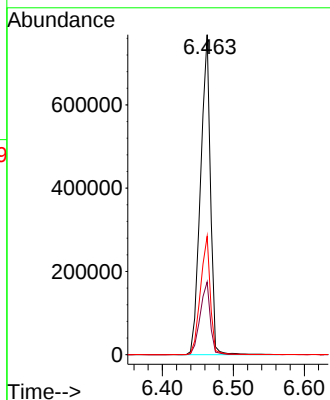
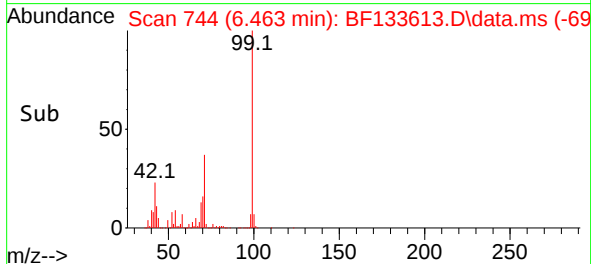
Instrument :
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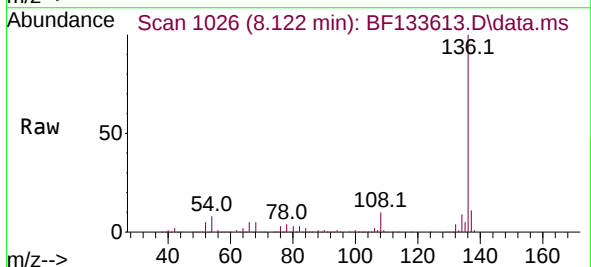
Tgt Ion: 99 Resp: 74735
Ion Ratio Lower Upper
99 100
42 22.7 19.7 29.5
71 37.0 29.8 44.8

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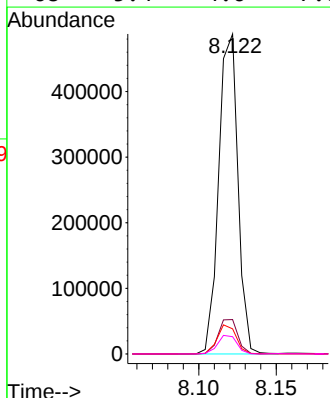
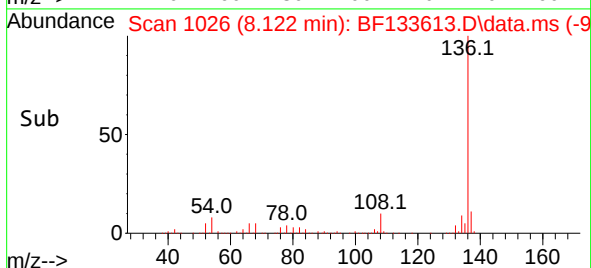
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

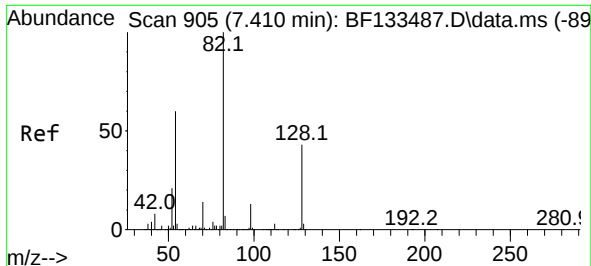


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14



Tgt Ion:136 Resp: 421595
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.4
54 7.9 6.6 10.0
68 5.4 4.6 7.0





#23

Nitrobenzene-d5

Concen: 71.444 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Instrument :

BNA_F

ClientSampleId :

WC03

Tgt Ion: 82 Resp: 451110

Ion Ratio Lower Upper

82 100

128 42.3 34.2 51.4

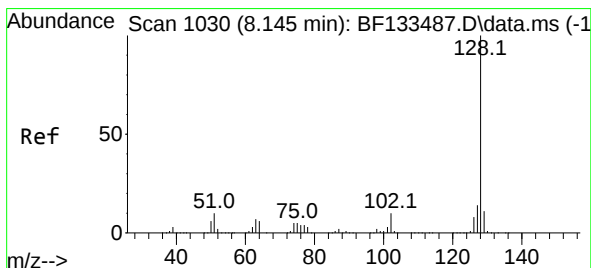
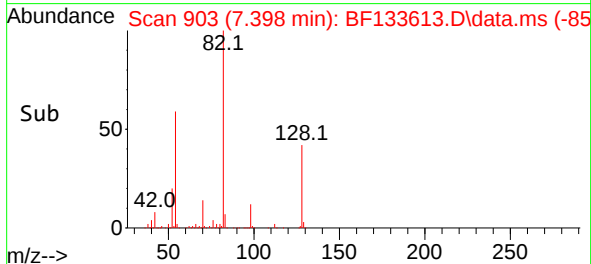
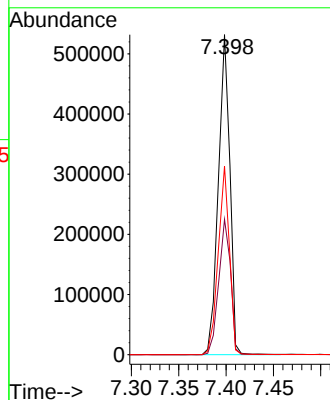
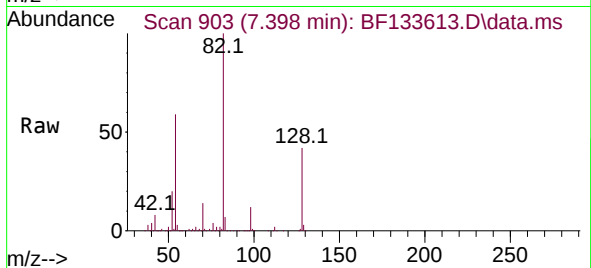
54 59.0 48.2 72.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#31

Naphthalene

Concen: 5.130 ng

RT: 8.139 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

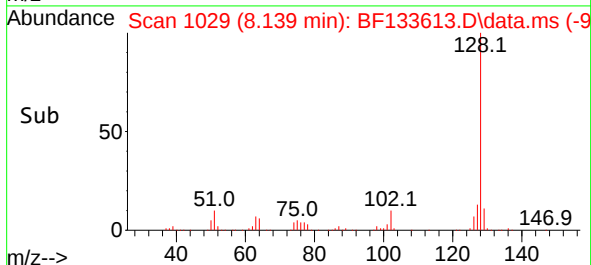
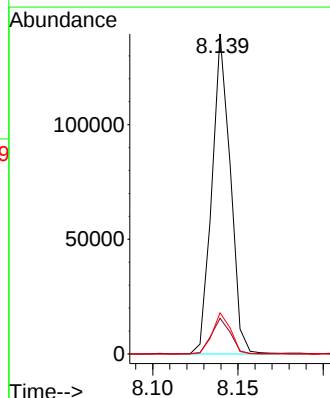
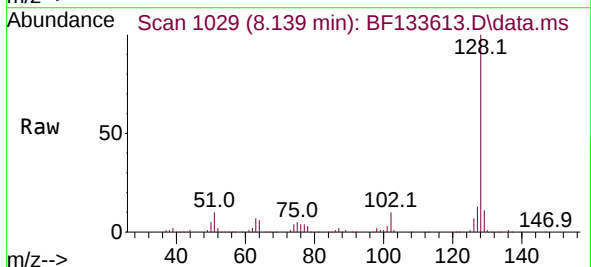
Tgt Ion:128 Resp: 104863

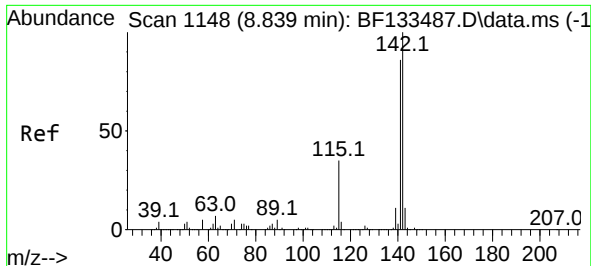
Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

127 12.9 10.9 16.3





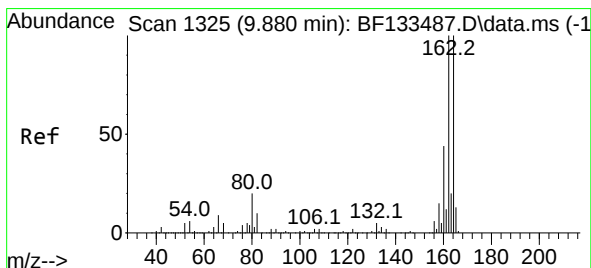
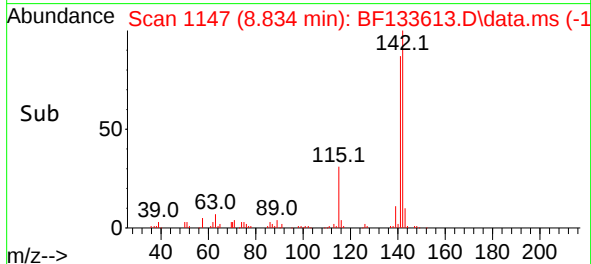
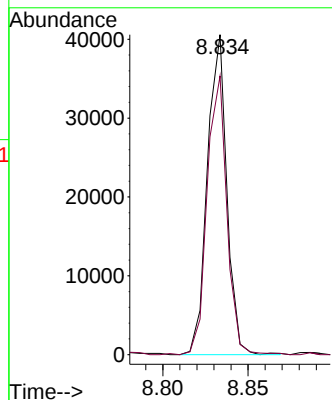
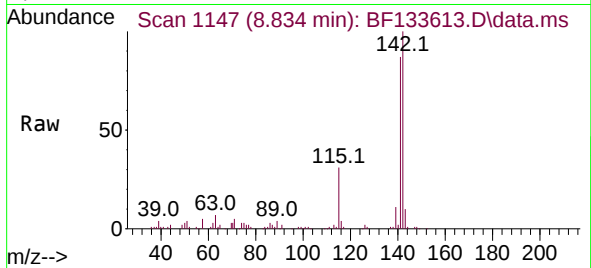
#37
2-Methylnaphthalene
Concen: 2.310 ng
RT: 8.834 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:142 Resp: 32239
Ion Ratio Lower Upper
142 100
141 87.1 69.2 103.8

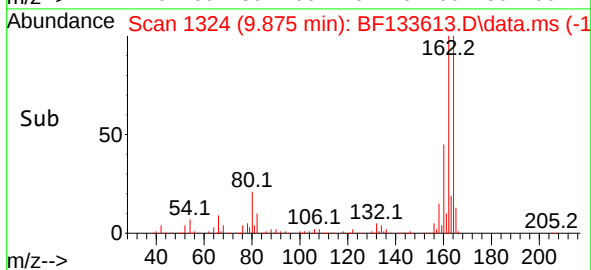
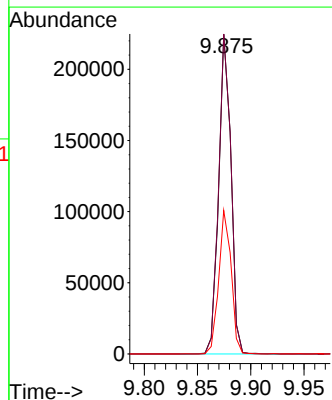
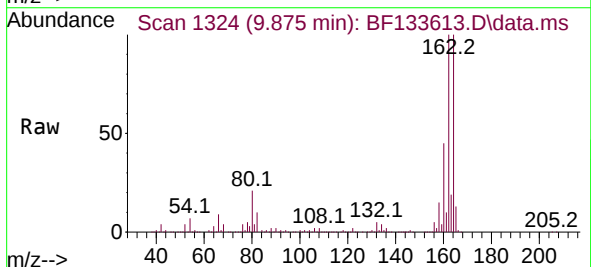
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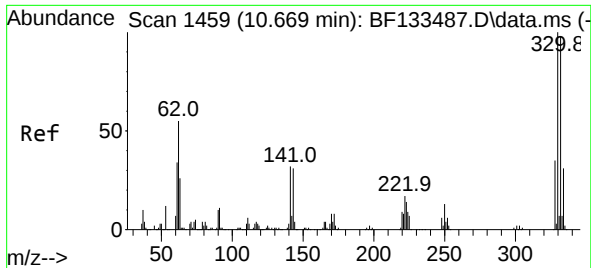
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

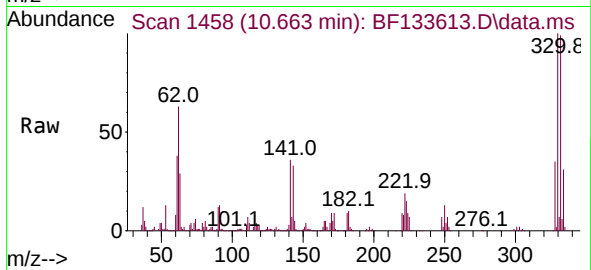
Tgt Ion:164 Resp: 178746
Ion Ratio Lower Upper
164 100
162 100.1 79.7 119.5
160 44.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 85.885 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

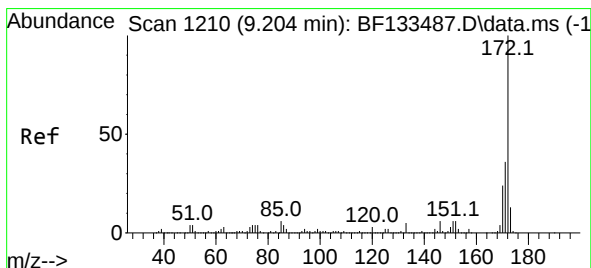
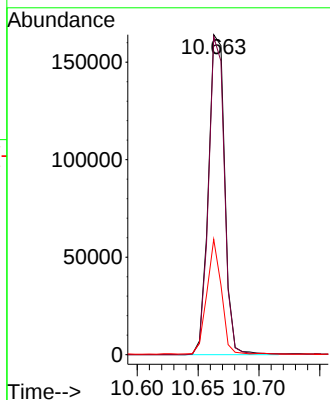
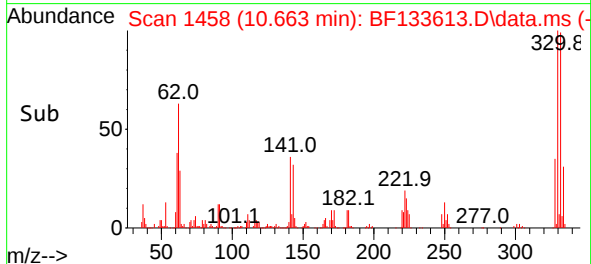
Instrument :
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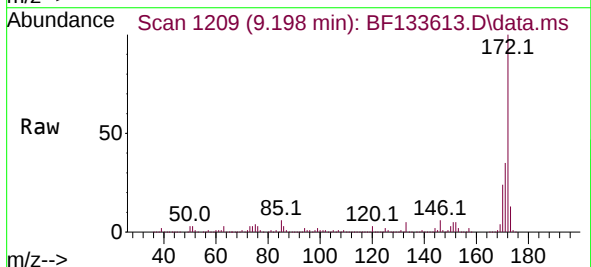
Tgt Ion: 330 Resp: 153027
Ion Ratio Lower Upper
330 100
332 96.6 77.8 116.6
141 31.6 26.6 40.0

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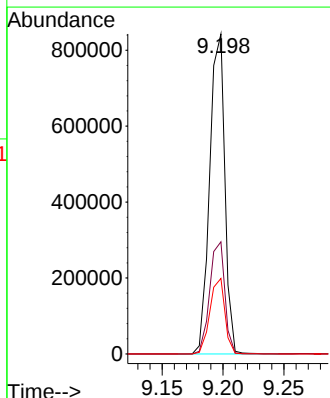
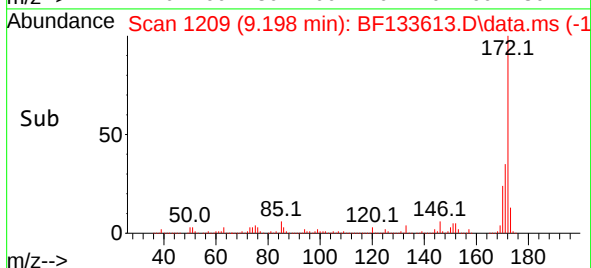
Reviewed By : Yogesh Patel 06/07/2023
Supervised By : mohammad ahmed 06/08/2023

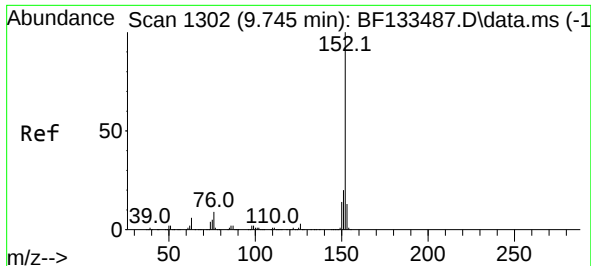


#45
2-Fluorobiphenyl
Concen: 63.111 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14



Tgt Ion: 172 Resp: 730894
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.6 19.3 28.9





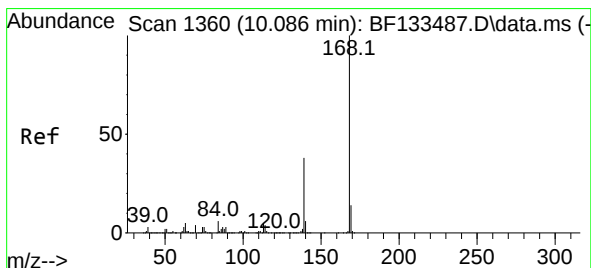
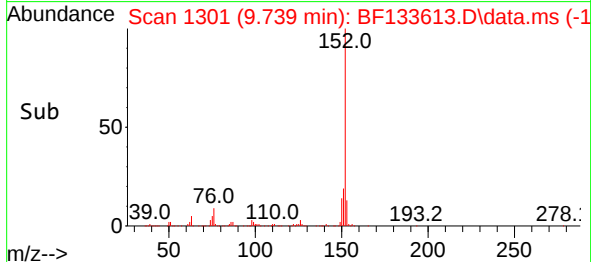
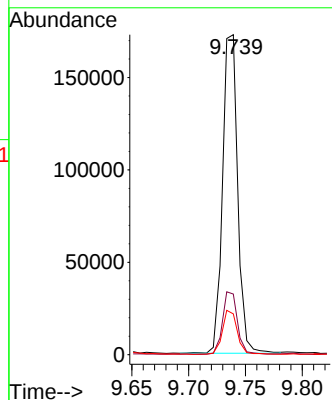
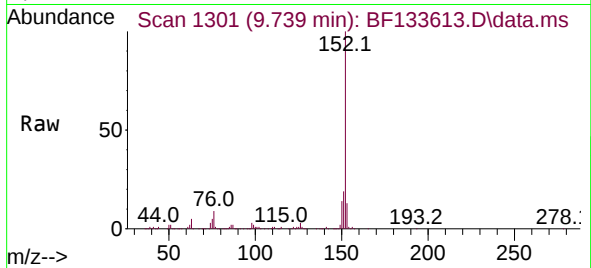
#49
Acenaphthylene
Concen: 8.907 ng
RT: 9.739 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:152 Resp: 15997
Ion Ratio Lower Upper
152 100
151 19.0 16.0 24.0
153 12.8 10.4 15.6

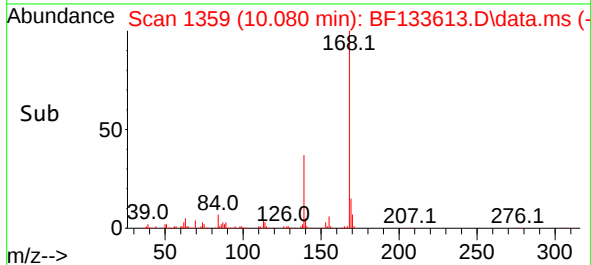
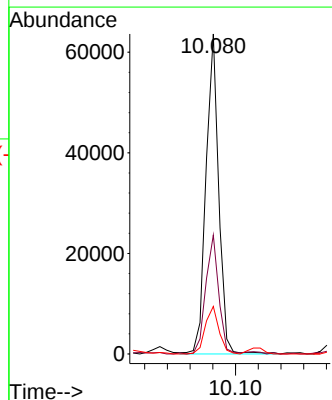
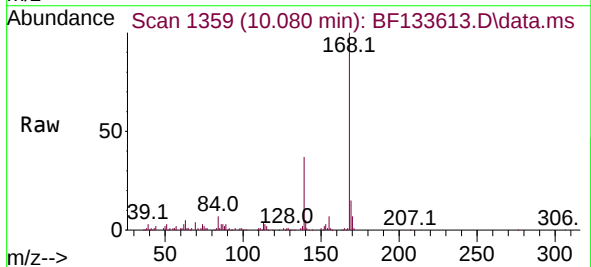
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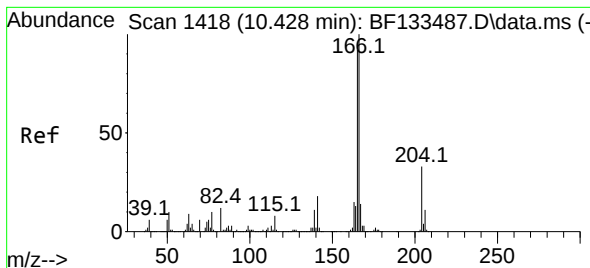
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#55
Dibenzofuran
Concen: 3.053 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

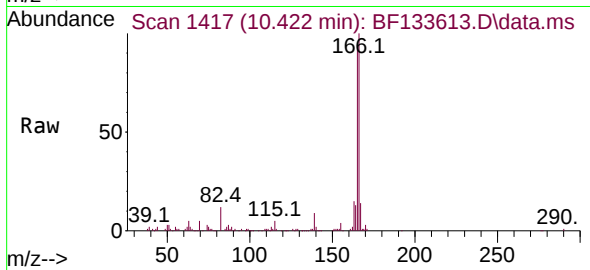
Tgt Ion:168 Resp: 49420
Ion Ratio Lower Upper
168 100
139 37.2 30.6 46.0
169 14.9 10.9 16.3





#58
Fluorene
Concen: 4.297 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

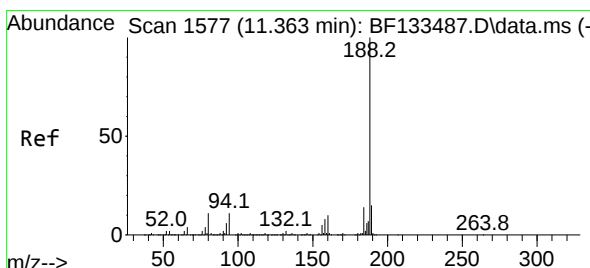
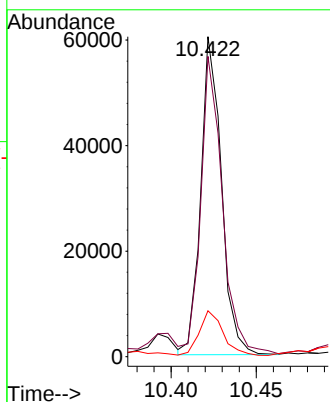
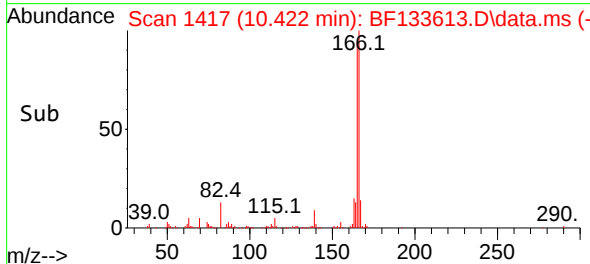
Instrument :
BNA_F
ClientSampleId :
WC03



Tgt Ion:166 Resp: 5096
Ion Ratio Lower Upper
166 100
165 93.8 73.4 110.0
167 14.4 10.9 16.3

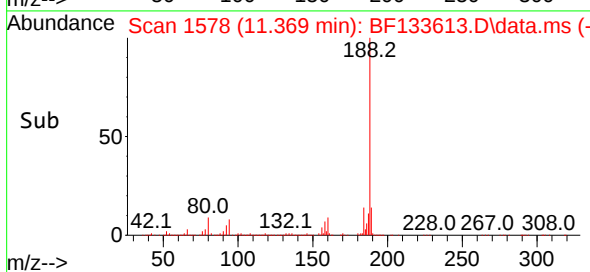
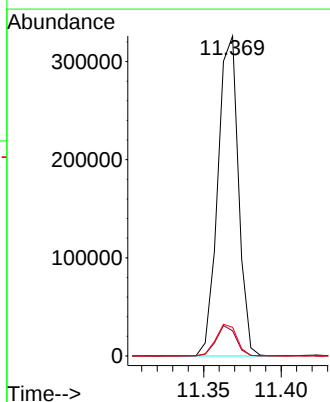
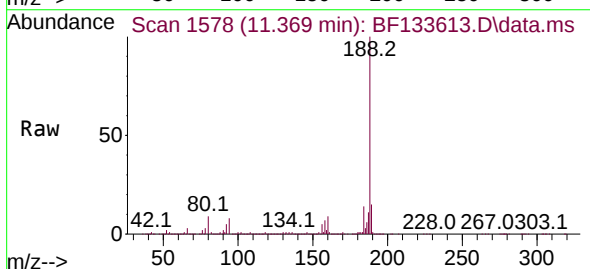
Manual Integrations
APPROVED

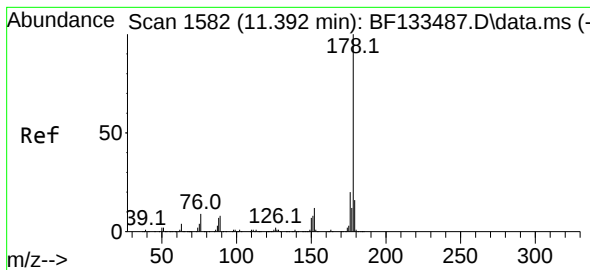
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

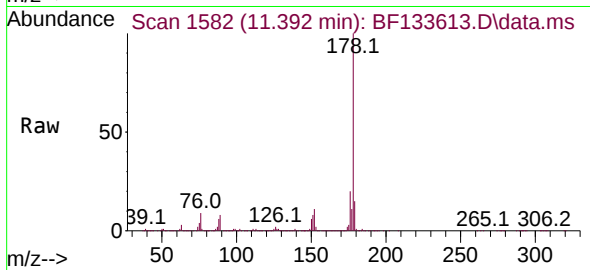
Tgt Ion:188 Resp: 301392
Ion Ratio Lower Upper
188 100
94 7.9 8.6 12.8#
80 9.0 9.2 13.8#





#71
Phenanthrene
Concen: 39.565 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

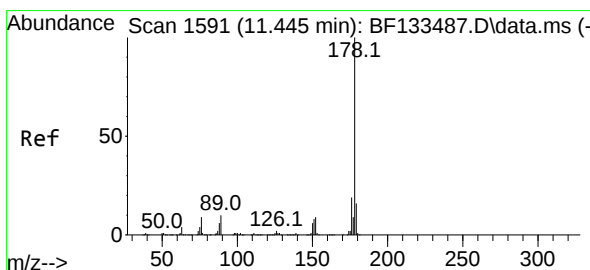
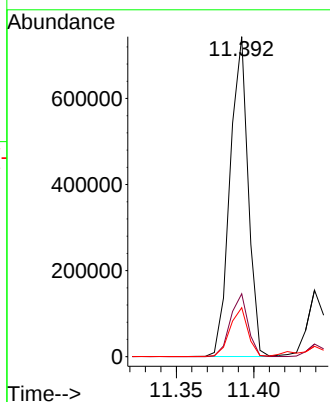
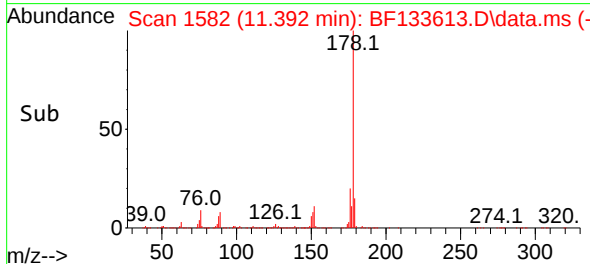
Instrument :
BNA_F
ClientSampleId :
WC03



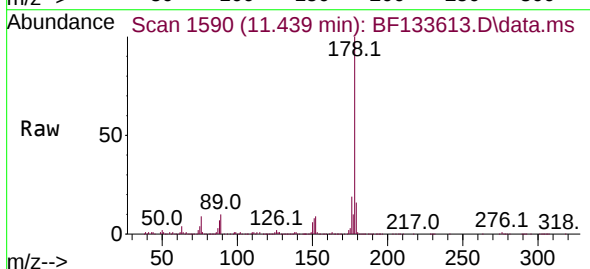
Tgt Ion:178 Resp: 603974
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.3 12.4 18.6

Manual Integrations
APPROVED

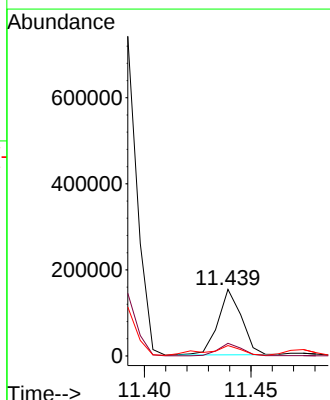
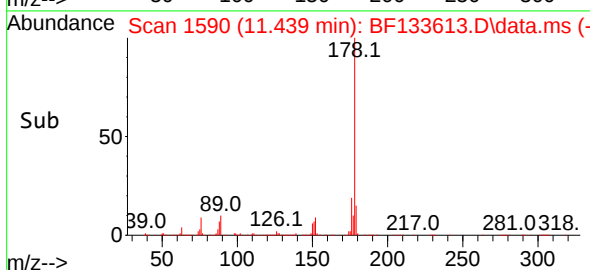
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

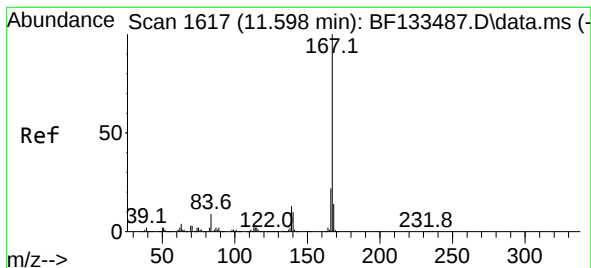


#72
Anthracene
Concen: 7.439 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14



Tgt Ion:178 Resp: 116875
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.7 12.6 18.8





#73

Carbazole

Concen: 5.294 ng

RT: 11.592 min Scan# 1616

Delta R.T. -0.006 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Instrument :

BNA_F

ClientSampleId :

WC03

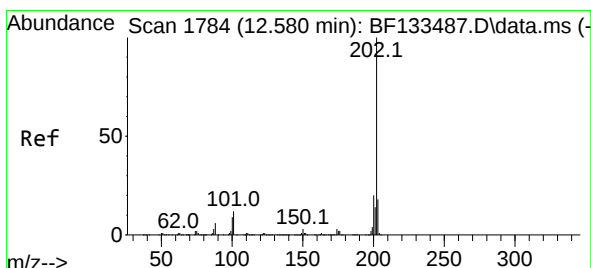
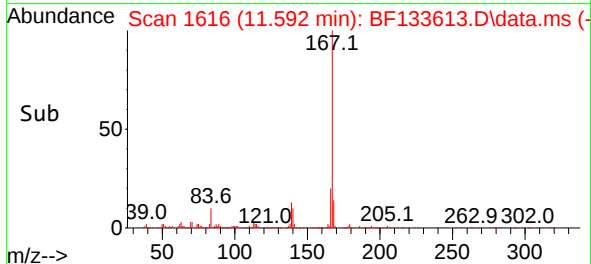
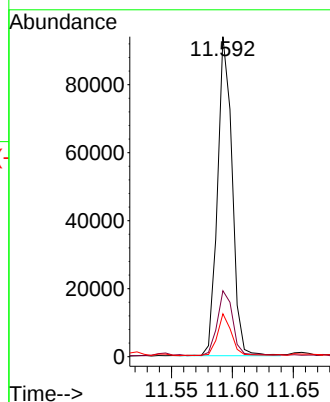
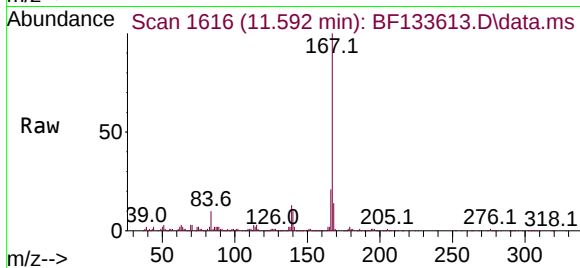
Tgt Ion:	167	Resp:	7865
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.3	25.9
139	13.4	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#75

Fluoranthene

Concen: 57.563 ng

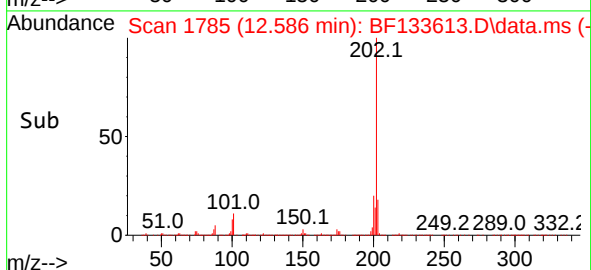
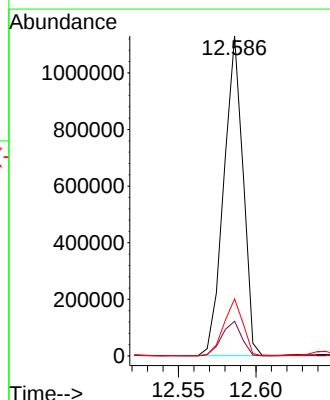
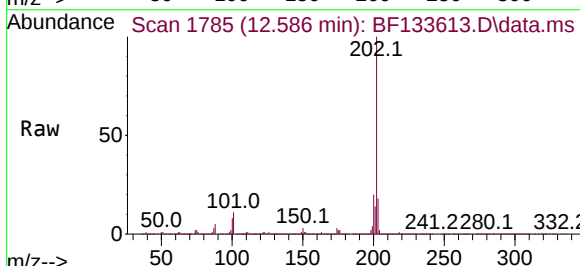
RT: 12.586 min Scan# 1785

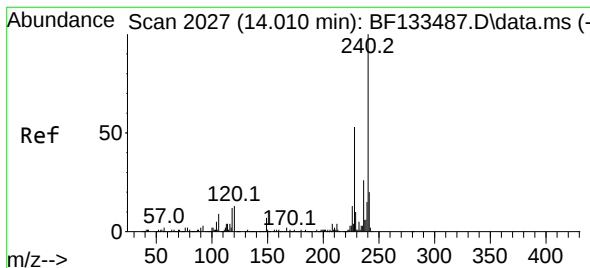
Delta R.T. 0.006 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Tgt Ion:	202	Resp:	970610
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	32.2
203	17.9	0.0	37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Instrument :

BNA_F

ClientSampleId :

WC03

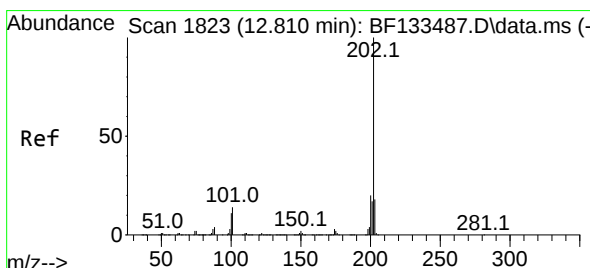
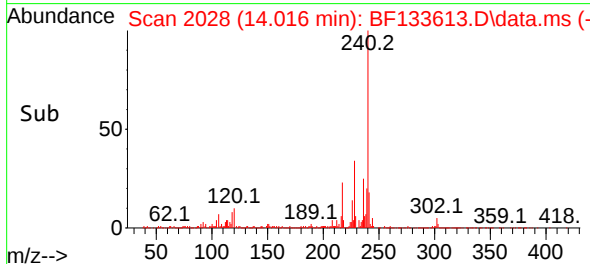
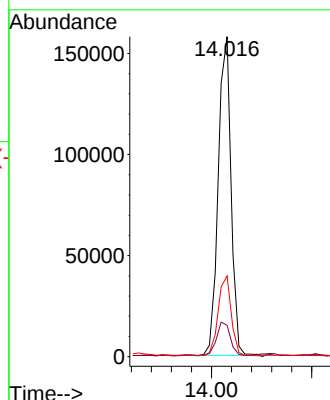
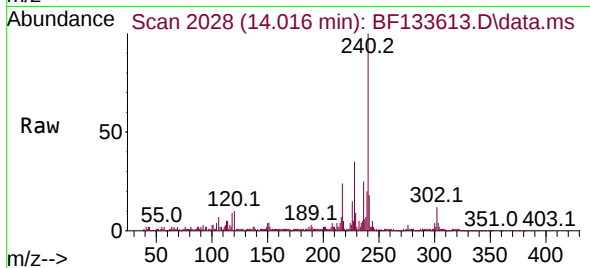
Tgt Ion:240 Resp: 140020
 Ion Ratio Lower Upper
 240 100
 120 9.8 10.3 15.5
 236 25.2 20.5 30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#78

Pyrene

Concen: 68.599 ng

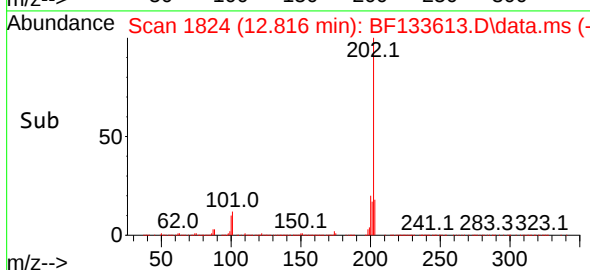
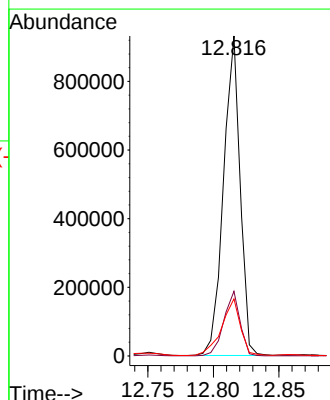
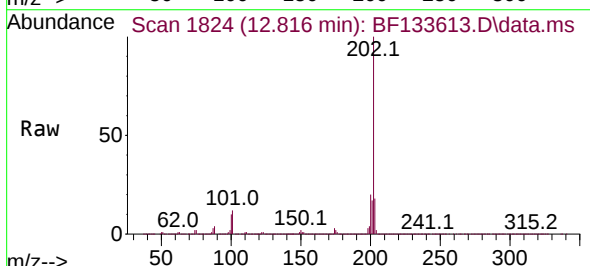
RT: 12.816 min Scan# 1824

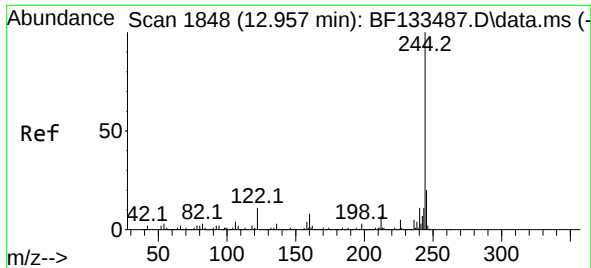
Delta R.T. 0.006 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

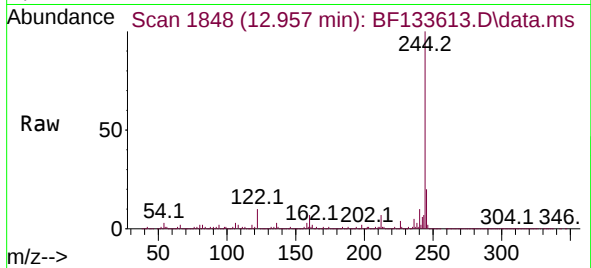
Tgt Ion:202 Resp: 817393
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.3 24.5
 203 17.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 65.065 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133613.D
 Acq: 07 Jun 2023 04:14

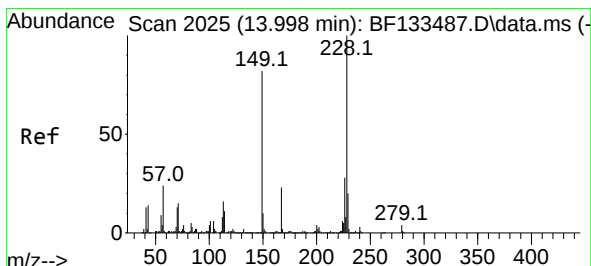
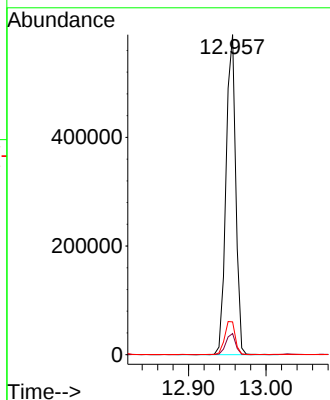
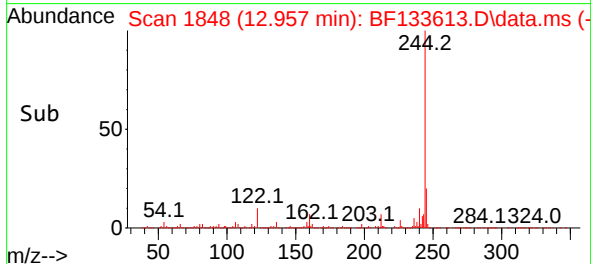
Instrument :
 BNA_F
 ClientSampleId :
 WC03



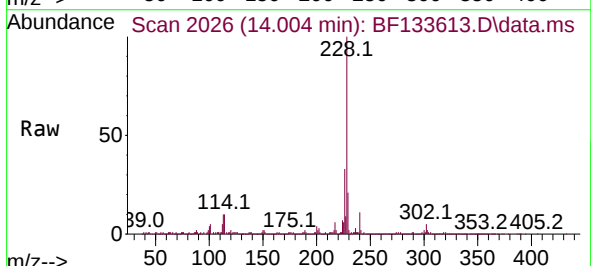
Tgt Ion:244 Resp: 512419
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 10.3 8.5 12.7

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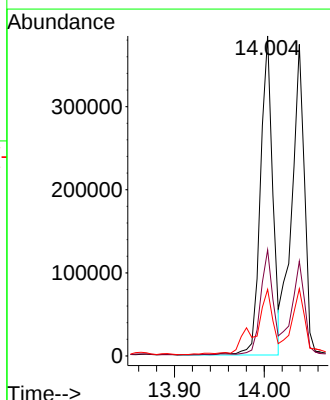
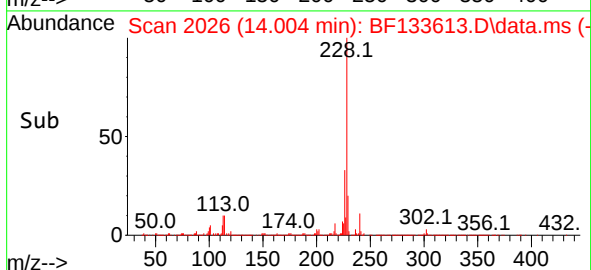
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023

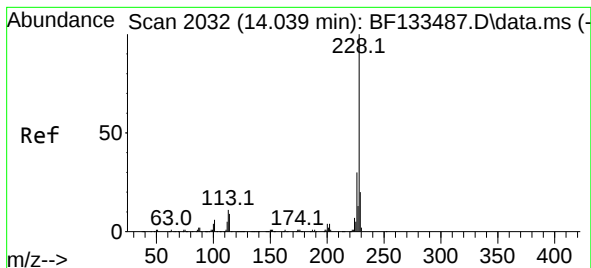


#81
 Benzo(a)anthracene
 Concen: 39.100 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.006 min
 Lab File: BF133613.D
 Acq: 07 Jun 2023 04:14



Tgt Ion:228 Resp: 364724
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.3 33.5
 229 20.8 16.1 24.1





#83

Chrysene

Concen: 38.982 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Instrument :

BNA_F

ClientSampleId :

WC03

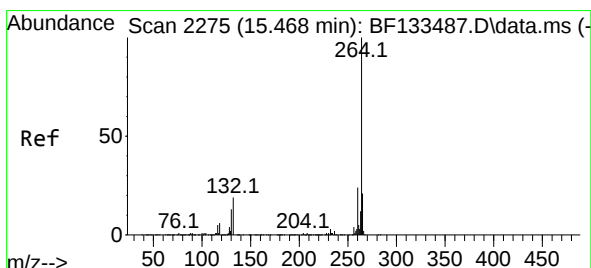
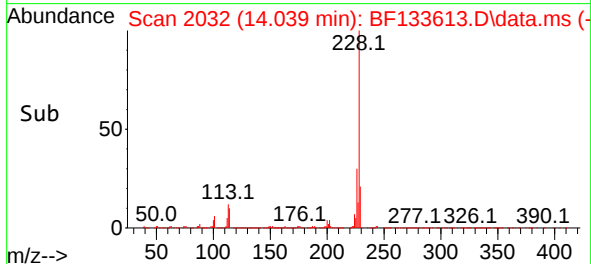
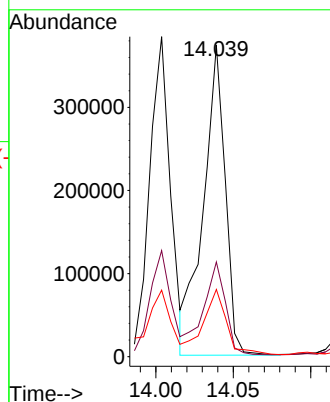
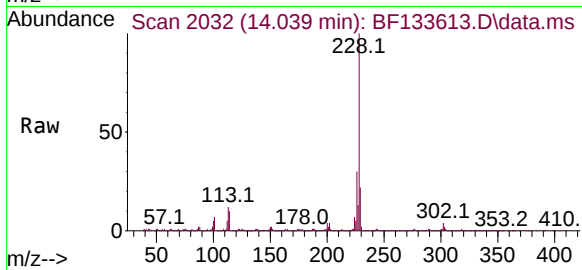
Tgt Ion:228 Resp: 367088
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.1 36.1
 229 21.6 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#86

Perylene-d12

Concen: 20.000 ng

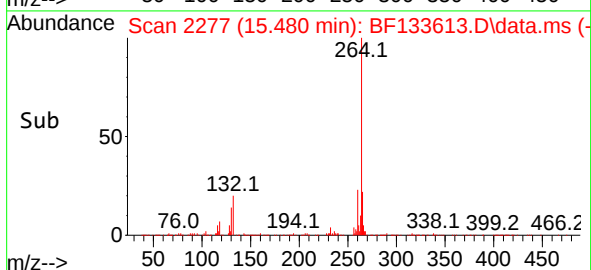
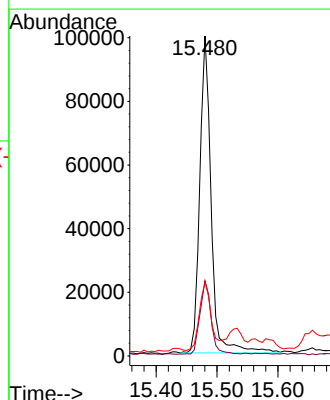
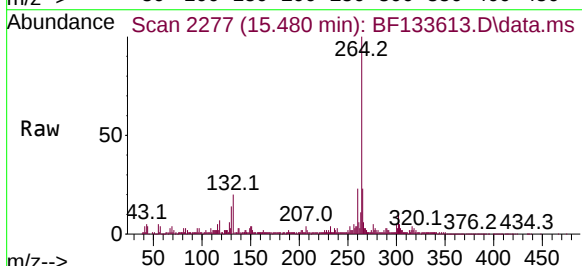
RT: 15.480 min Scan# 2277

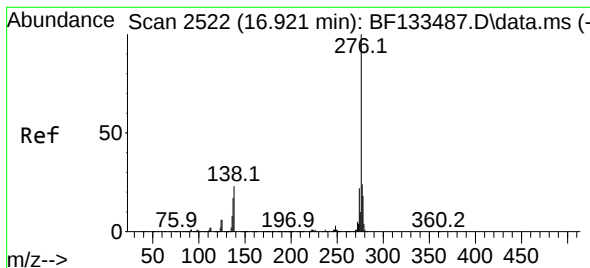
Delta R.T. 0.012 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Tgt Ion:264 Resp: 129108
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 23.1 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.925 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Instrument :

BNA_F

ClientSampleId :

WC03

Tgt Ion:276 Resp: 172088

Ion Ratio Lower Upper

276 100

138 22.5 21.4 32.2

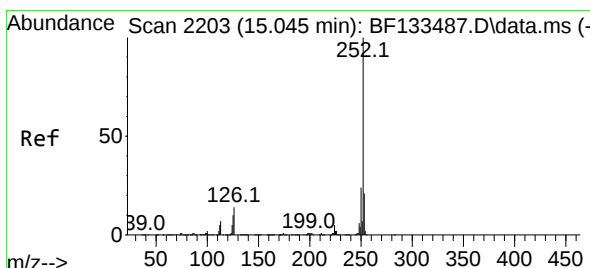
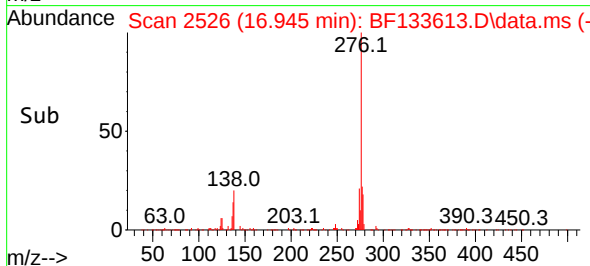
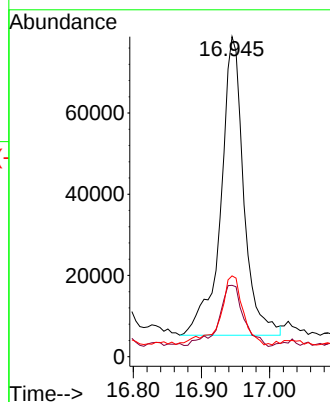
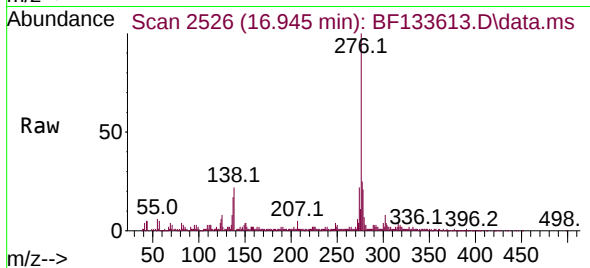
277 24.8 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#88

Benzo(b)fluoranthene

Concen: 52.846 ng m

RT: 15.057 min Scan# 2205

Delta R.T. 0.012 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

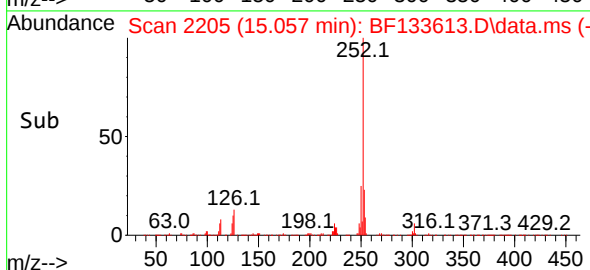
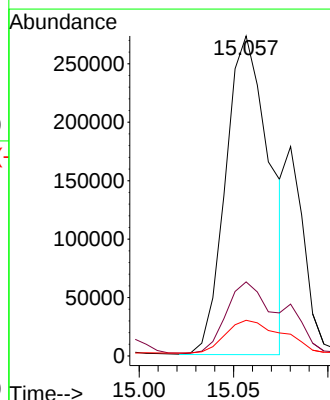
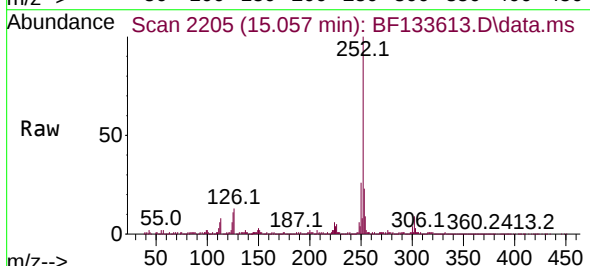
Tgt Ion:252 Resp: 444287

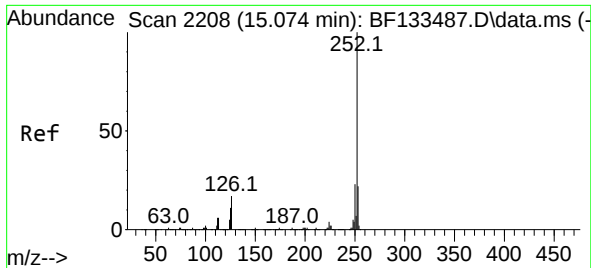
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

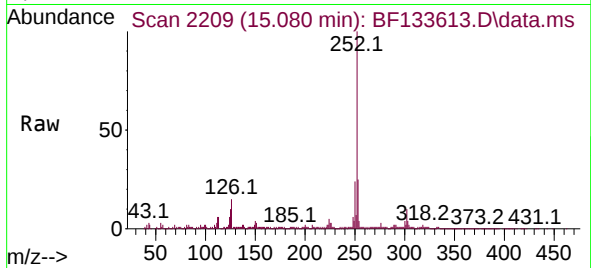
125 11.2 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 14.627 ng m
RT: 15.080 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

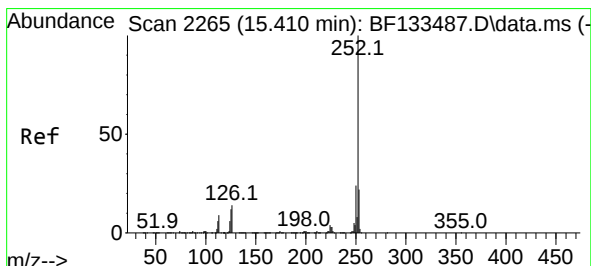
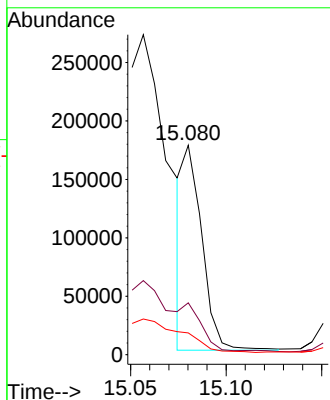
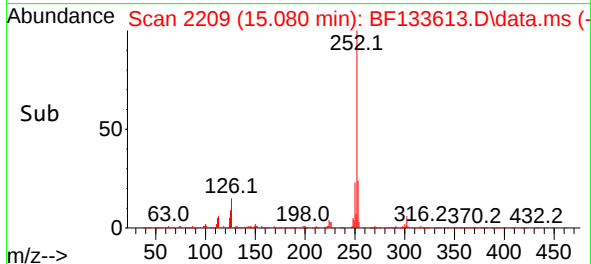
Instrument :
BNA_F
ClientSampleId :
WC03



Tgt Ion:252 Resp: 11990
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 10.4 8.3 12.5

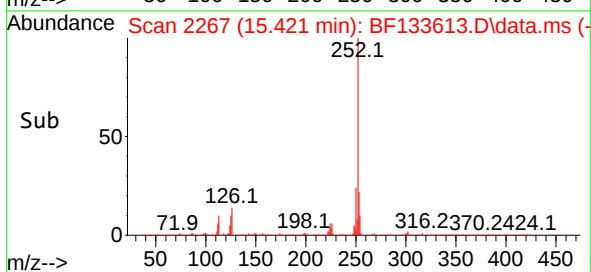
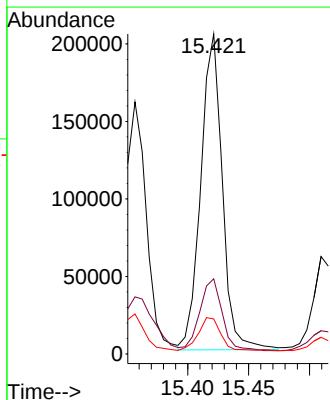
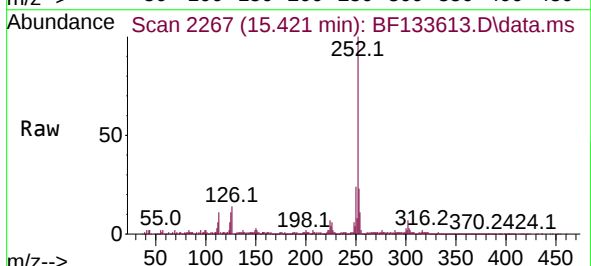
Manual Integrations
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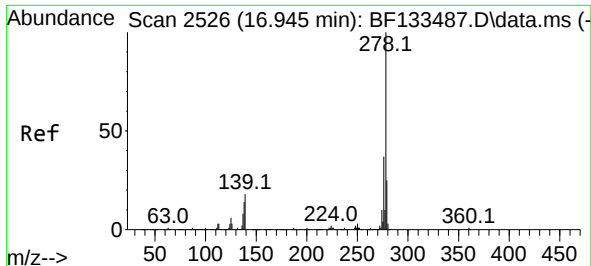
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#90
Benzo(a)pyrene
Concen: 32.735 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF133613.D
Acq: 07 Jun 2023 04:14

Tgt Ion:252 Resp: 250420
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 11.0 9.4 14.0





#91

Dibenzo(a,h)anthracene

Concen: 5.785 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.000 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Instrument :

BNA_F

ClientSampleId :

WC03

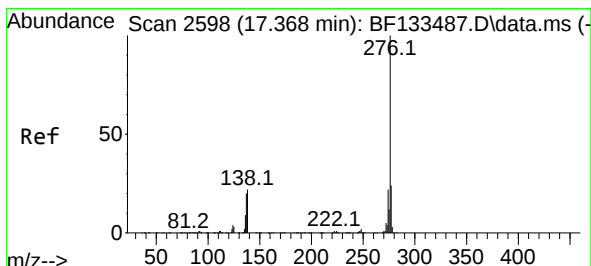
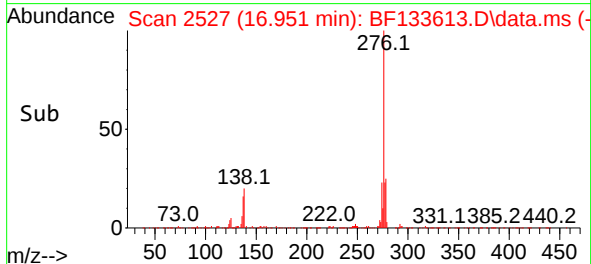
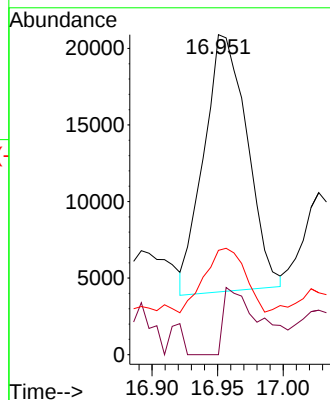
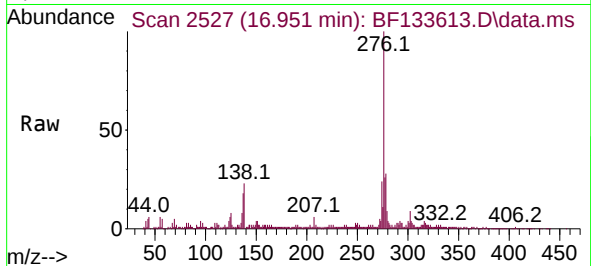
Tgt Ion:278 Resp: 38574
 Ion Ratio Lower Upper
 278 100
 139 0.0 14.1 21.1
 279 32.6 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#92

Benzo(g,h,i)perylene

Concen: 26.382 ng

RT: 17.392 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF133613.D

Acq: 07 Jun 2023 04:14

Tgt Ion:276 Resp: 177375
 Ion Ratio Lower Upper
 276 100
 277 25.8 18.8 28.2
 138 22.9 17.8 26.6

