

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
 Data File : BF133596.D
 Acq On : 06 Jun 2023 17:38
 Operator : CG\JU
 Sample : 02983-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC07

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 18:02:39 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	124945	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	456277	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	189424	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	315563	20.000	ng	0.00
76) Chrysene-d12	14.010	240	166363	20.000	ng	0.00
86) Perylene-d12	15.474	264	139467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	527808	70.481	ng	0.00
7) Phenol-d6	6.457	99	635548	68.942	ng	0.00
23) Nitrobenzene-d5	7.398	82	387310	56.676	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	131446	69.614	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	670993	54.673	ng	0.00
79) Terphenyl-d14	12.951	244	536874	57.378	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	51254	2.693	ng	99
58) Fluorene	10.422	166	49964	3.976	ng	98
71) Phenanthrene	11.386	178	574985	35.975	ng	100
72) Anthracene	11.439	178	154490	9.392	ng	97
75) Fluoranthene	12.580	202	976159	55.293	ng	100
78) Pyrene	12.810	202	878685	62.068	ng	99
81) Benzo(a)anthracene	13.998	228	411054	37.090	ng	98
83) Chrysene	14.033	228	347189	31.032	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	131556	14.808	ng	93
88) Benzo(b)fluoranthene	15.051	252	349222m	38.453	ng	
89) Benzo(k)fluoranthene	15.074	252	98015m	11.068	ng	
90) Benzo(a)pyrene	15.410	252	234791	28.412	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	34237	4.753	ng	# 86
92) Benzo(g,h,i)perylene	17.374	276	123038	16.941	ng	99

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

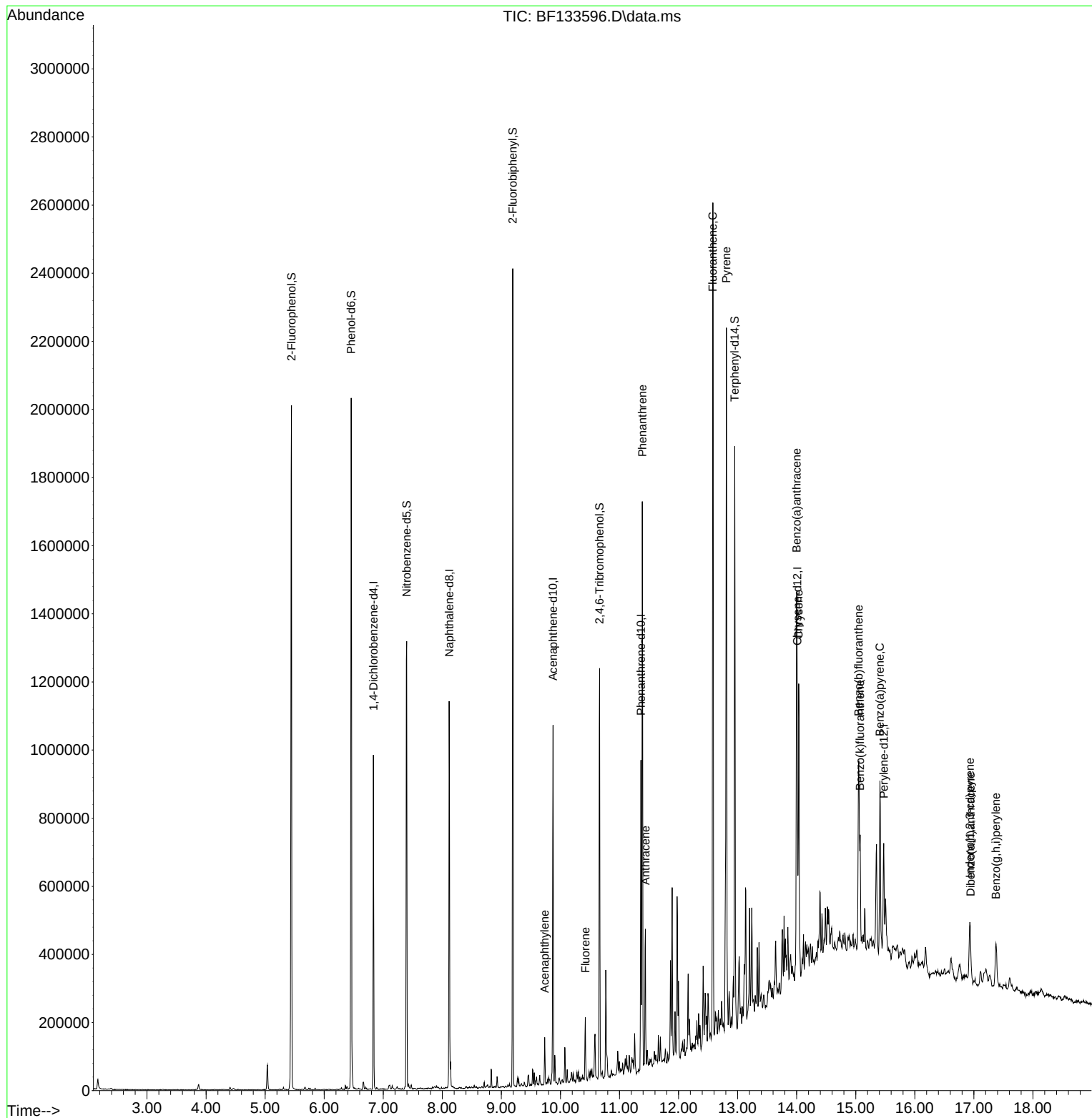
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060623\
Data File : BF133596.D
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ALS Vial : 12 Sample Multiplier: 1

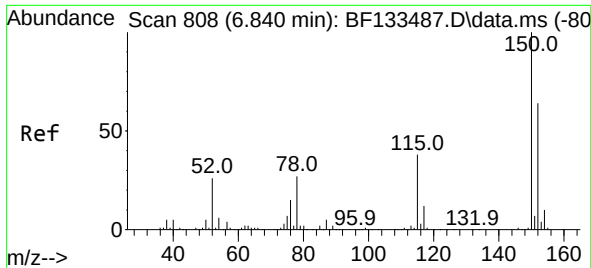
Instrument :
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Quant Time: Jun 06 18:02:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
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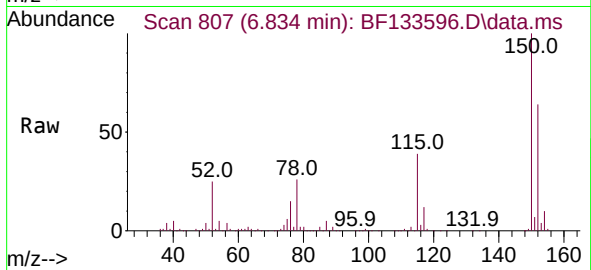
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

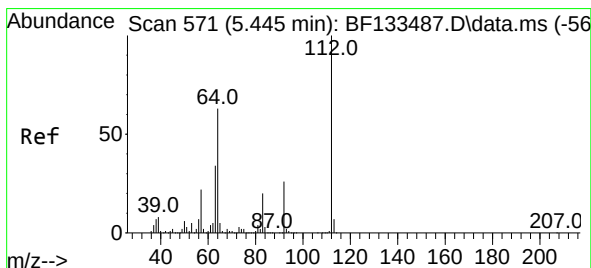
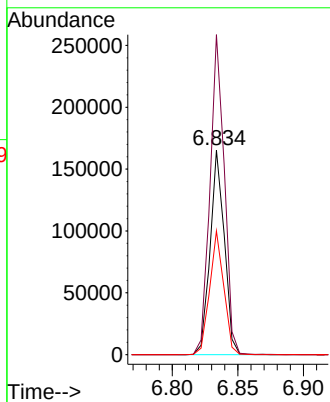
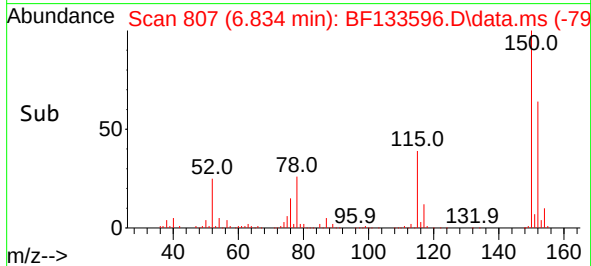
Instrument :
BNA_F
ClientSampleId :
WC07



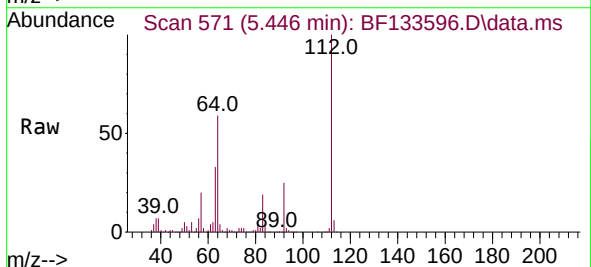
Tgt Ion:152 Resp: 12494
Ion Ratio Lower Upper
152 100
150 156.5 124.9 187.3
115 60.5 48.1 72.1

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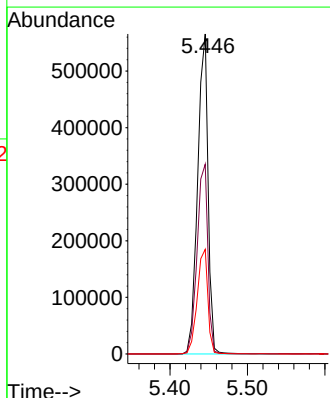
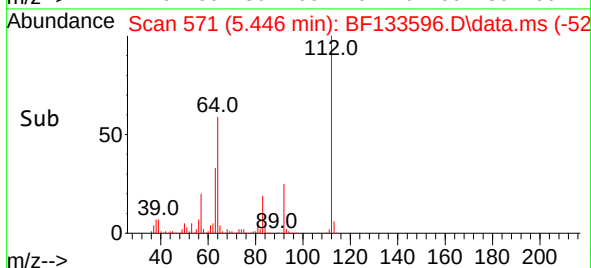
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023

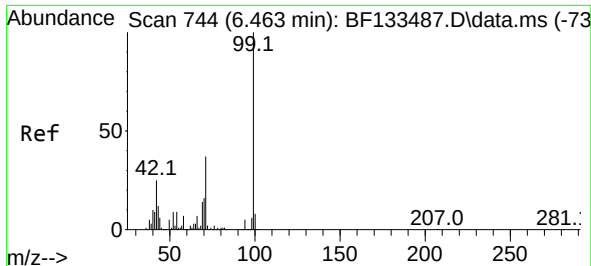


#5
2-Fluorophenol
Concen: 70.481 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38



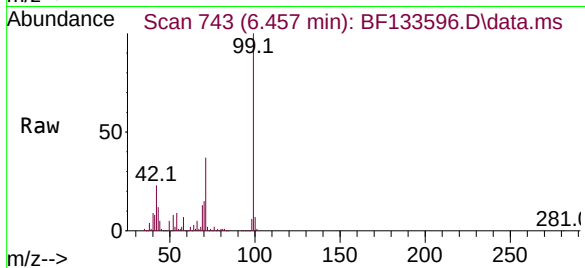
Tgt Ion:112 Resp: 527808
Ion Ratio Lower Upper
112 100
64 59.3 50.1 75.1
63 32.7 27.5 41.3





#7
Phenol-d6
Concen: 68.942 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

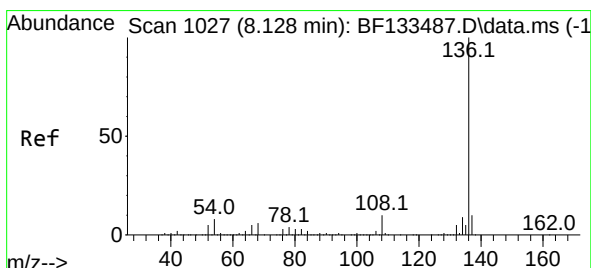
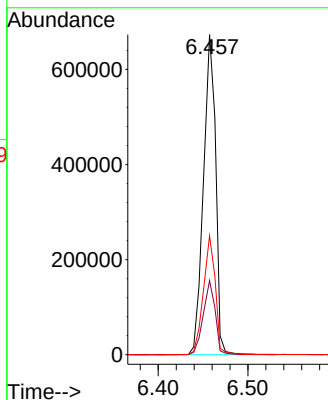
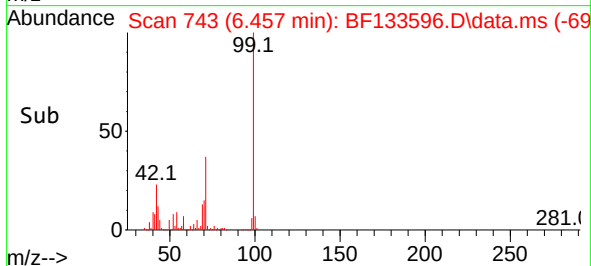
Instrument :
BNA_F
ClientSampleId :
WC07



Tgt Ion: 99 Resp: 635548
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 37.2 29.8 44.8

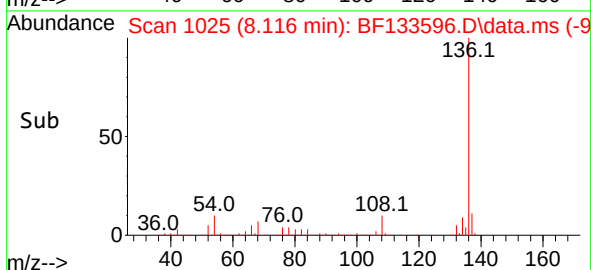
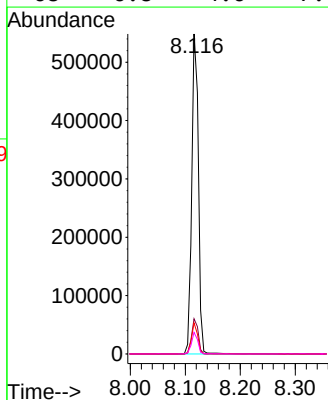
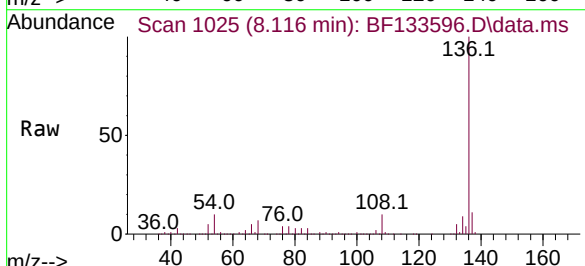
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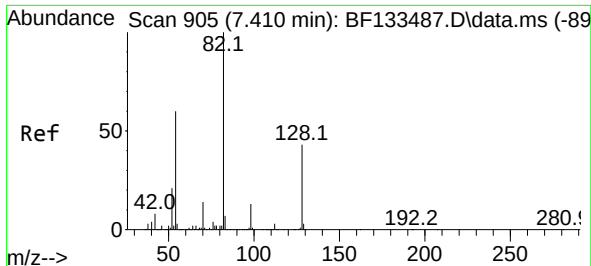
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:136 Resp: 456277
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 9.7 6.6 10.0
68 6.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 56.676 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133596.D

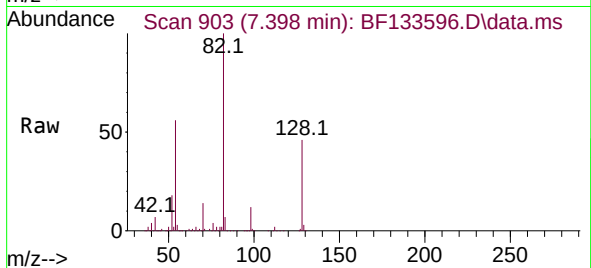
Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07



Tgt Ion: 82 Resp: 387310

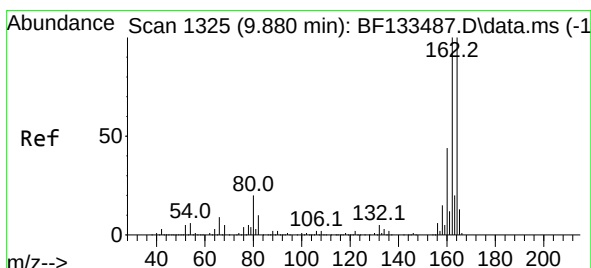
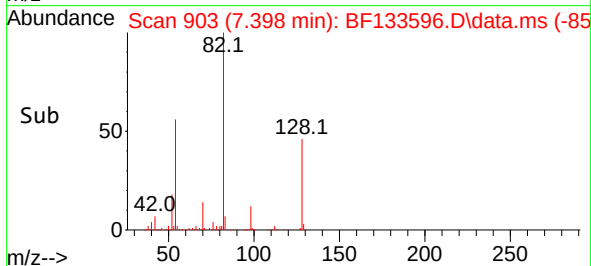
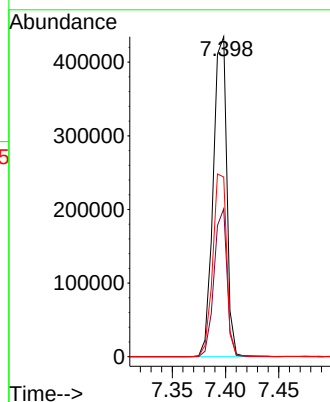
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.2	51.4
54	56.2	48.2	72.4

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Supervised By :mohammad ahmed 06/08/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

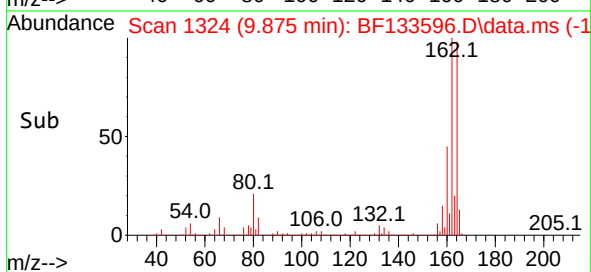
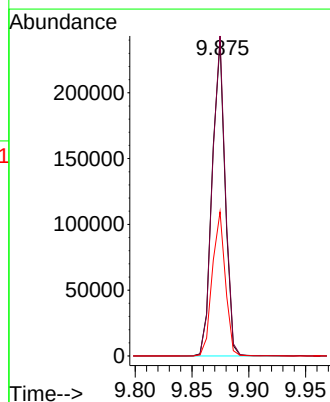
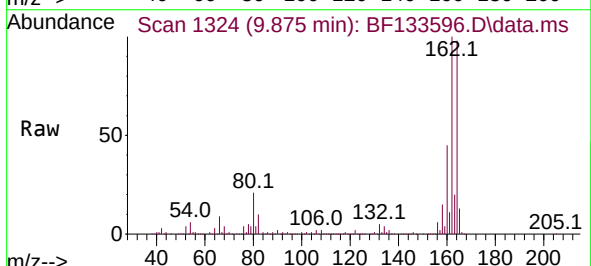
Delta R.T. 0.000 min

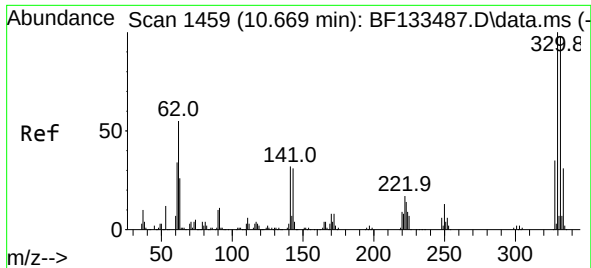
Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Tgt Ion:164 Resp: 189424

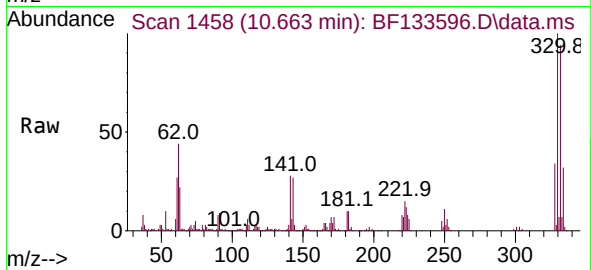
Ion	Ratio	Lower	Upper
164	100		
162	102.0	79.7	119.5
160	45.9	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 69.614 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

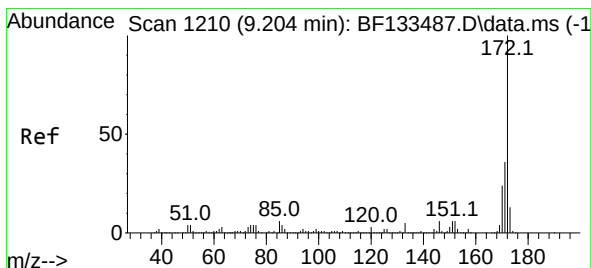
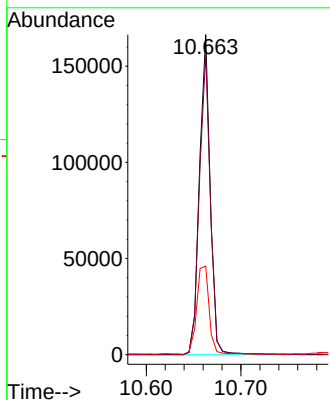
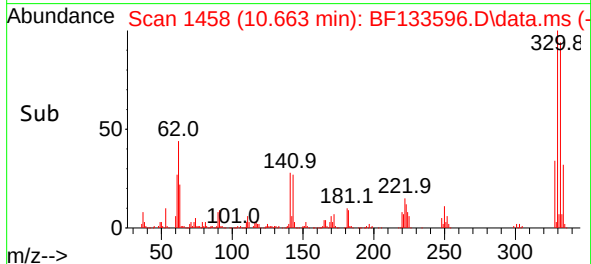
Instrument :
BNA_F
ClientSampleId :
WC07



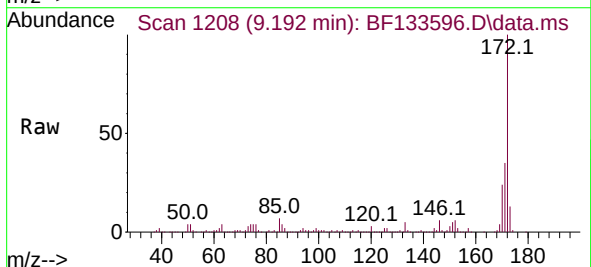
Tgt Ion: 330 Resp: 131440
Ion Ratio Lower Upper
330 100
332 95.6 77.8 116.6
141 31.8 26.6 40.0

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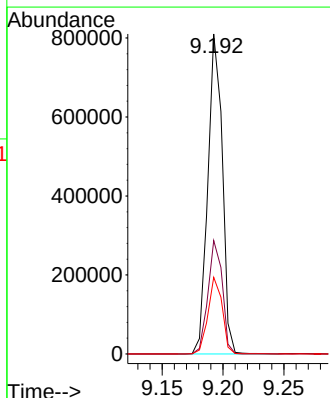
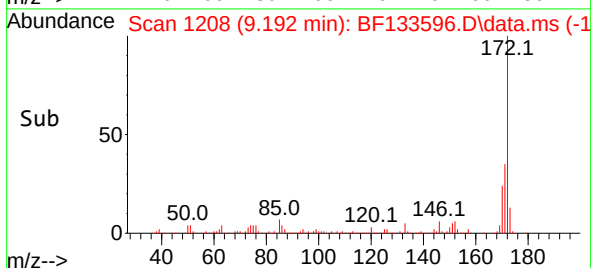
Reviewed By : Yogesh Patel 06/07/2023
Supervised By : mohammad ahmed 06/08/2023

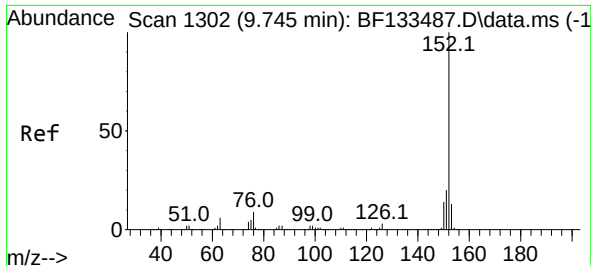


#45
2-Fluorobiphenyl
Concen: 54.673 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38



Tgt Ion: 172 Resp: 670993
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 24.0 19.3 28.9





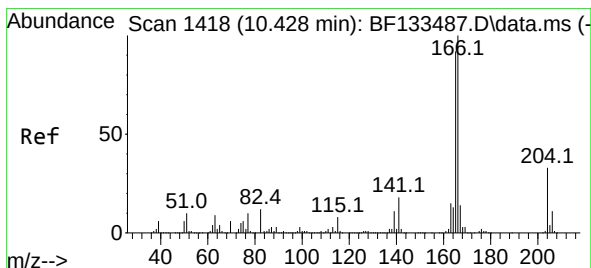
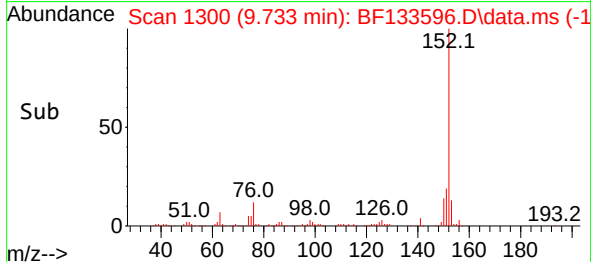
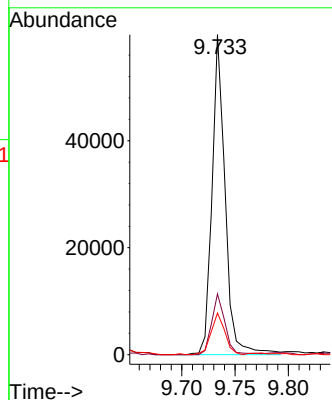
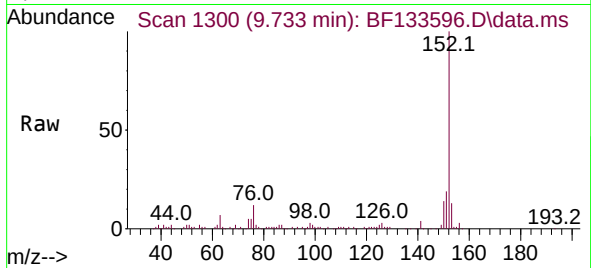
#49
Acenaphthylene
Concen: 2.693 ng
RT: 9.733 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Instrument :
BNA_F
ClientSampleId :
WC07

Tgt Ion:152 Resp: 51254
Ion Ratio Lower Upper
152 100
151 19.0 16.0 24.0
153 13.0 10.4 15.6

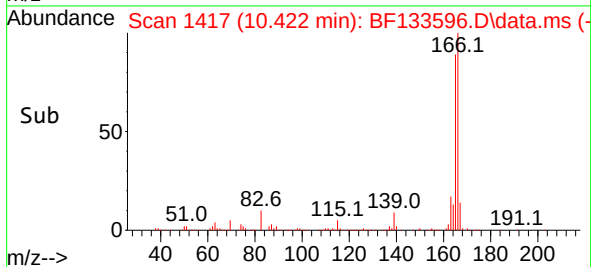
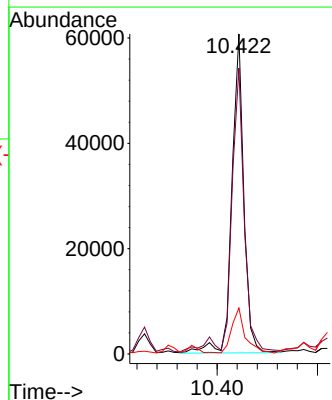
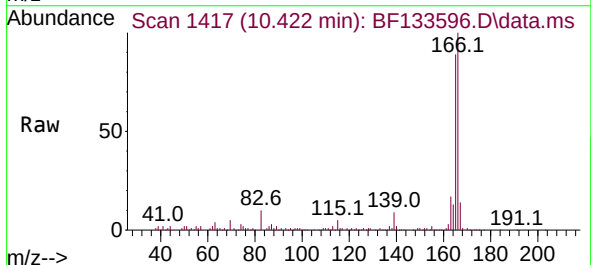
Manual Integrations
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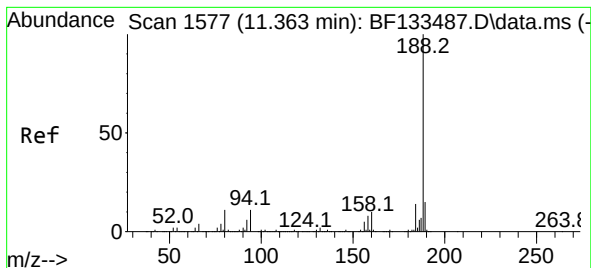
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#58
Fluorene
Concen: 3.976 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:166 Resp: 49964
Ion Ratio Lower Upper
166 100
165 89.3 73.4 110.0
167 14.3 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

Tgt Ion:188 Resp: 31556

Ion Ratio Lower Upper

188 100

94 9.1 8.6 12.8

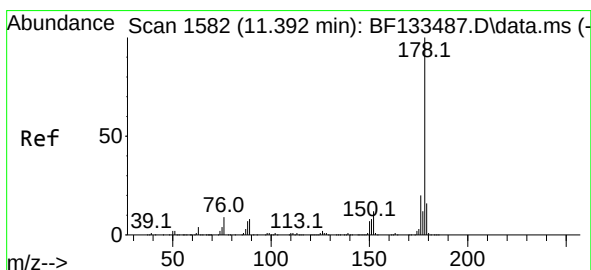
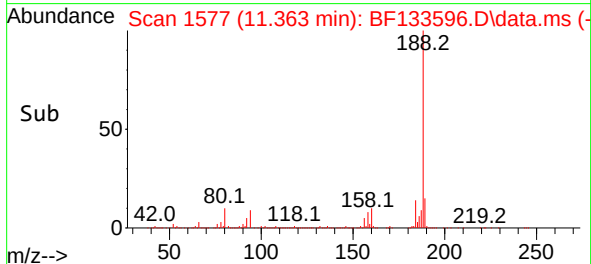
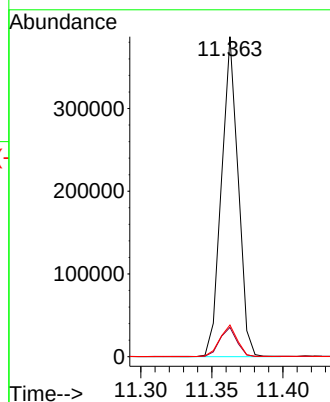
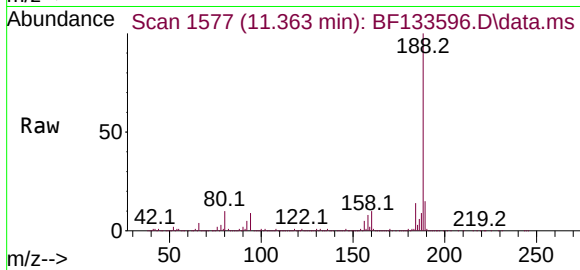
80 9.9 9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#71

Phenanthrene

Concen: 35.975 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

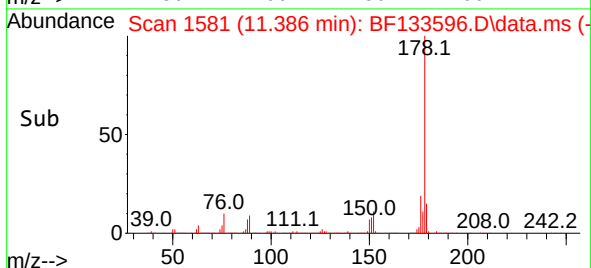
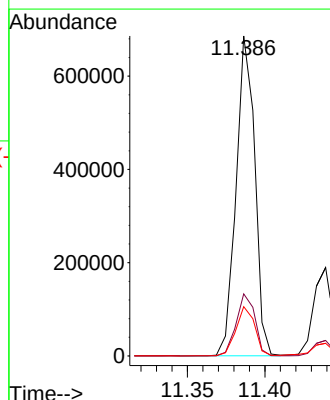
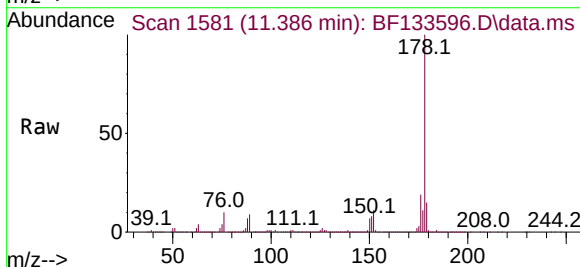
Tgt Ion:178 Resp: 574985

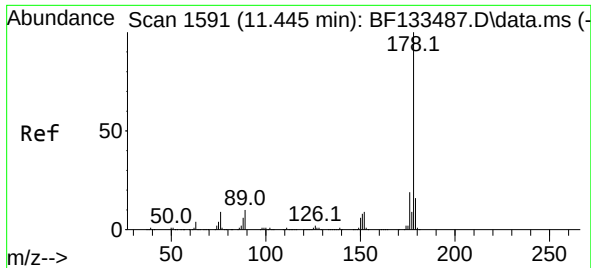
Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.4 12.4 18.6





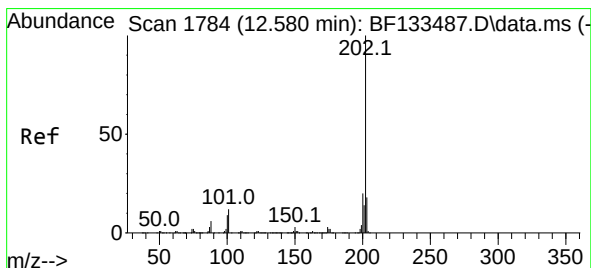
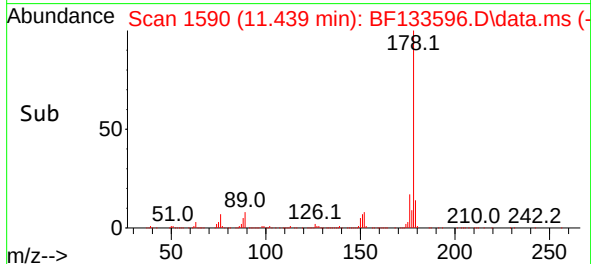
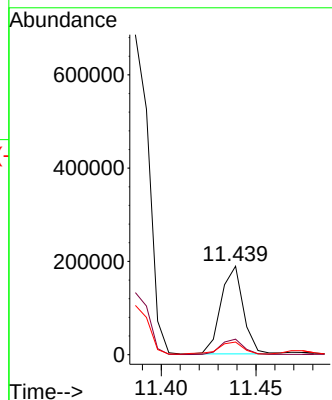
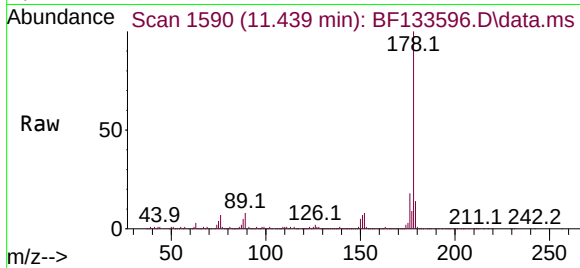
#72
 Anthracene
 Concen: 9.392 ng
 RT: 11.439 min Scan# 1591
 Delta R.T. 0.000 min
 Lab File: BF133596.D
 Acq: 06 Jun 2023 17:38

Instrument :
 BNA_F
 ClientSampleId :
 WC07

Tgt Ion:178 Resp: 154490
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.3 22.9
 179 14.4 12.6 18.8

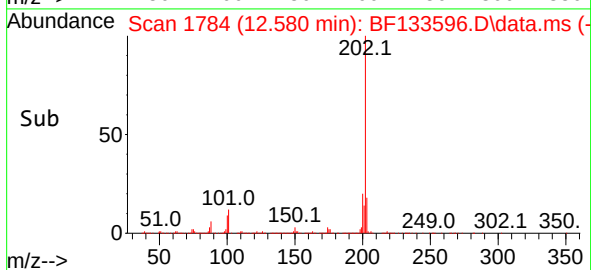
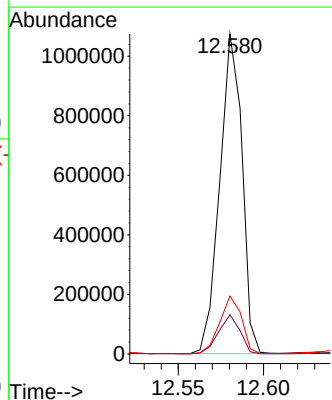
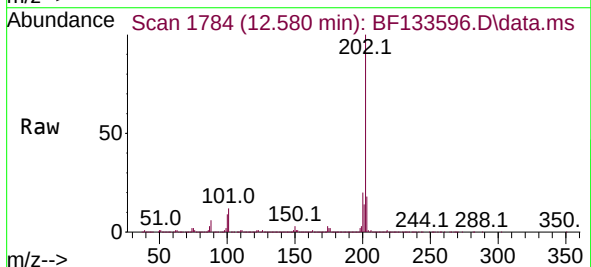
Manual Integrations
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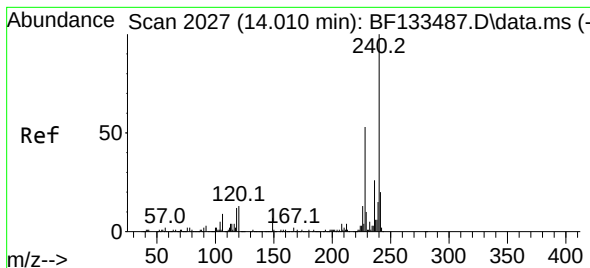
Reviewed By :Yogesh Patel 06/07/2023
 Supervised By :mohammad ahmed 06/08/2023



#75
 Fluoranthene
 Concen: 55.293 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF133596.D
 Acq: 06 Jun 2023 17:38

Tgt Ion:202 Resp: 976159
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 32.2
 203 18.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

Tgt Ion:240 Resp: 16636

Ion Ratio Lower Upper

240 100

120 12.4 10.3 15.5

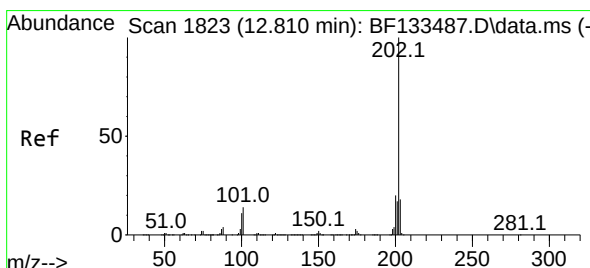
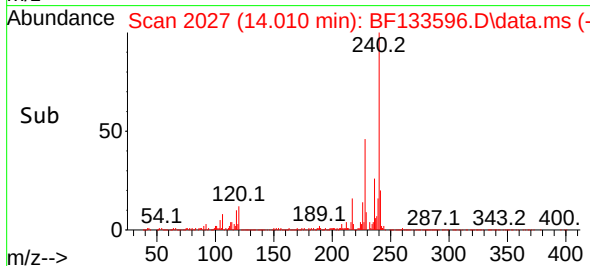
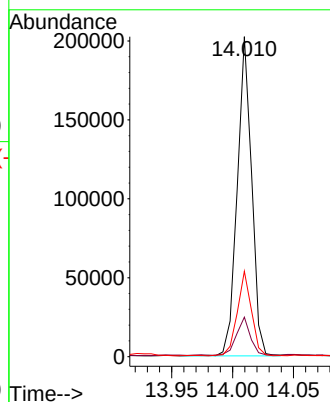
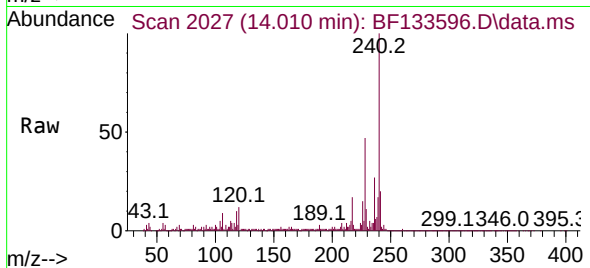
236 26.7 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#78

Pyrene

Concen: 62.068 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

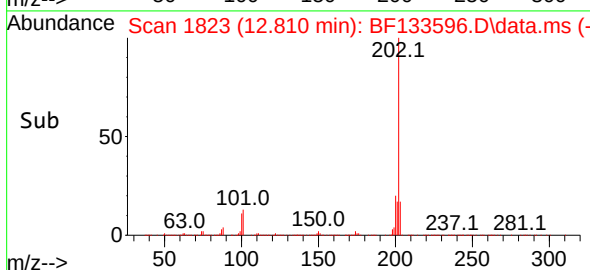
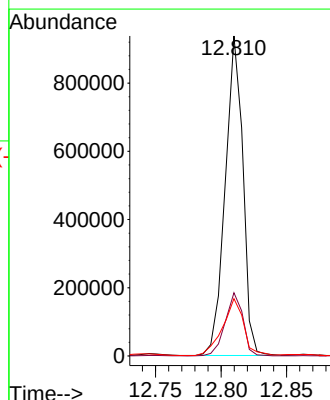
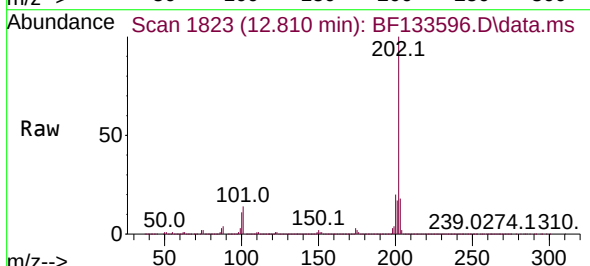
Tgt Ion:202 Resp: 878685

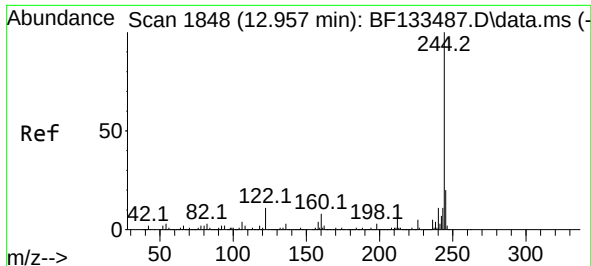
Ion Ratio Lower Upper

202 100

200 19.8 16.3 24.5

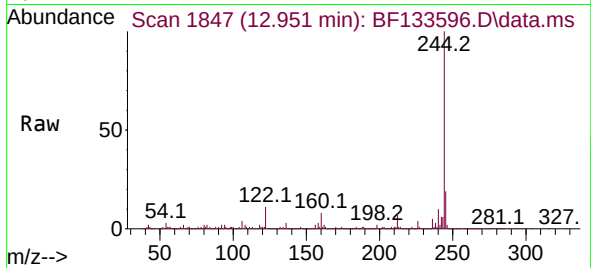
203 17.9 14.3 21.5





#79
Terphenyl-d14
Concen: 57.378 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

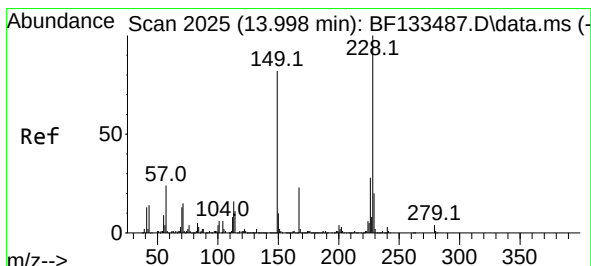
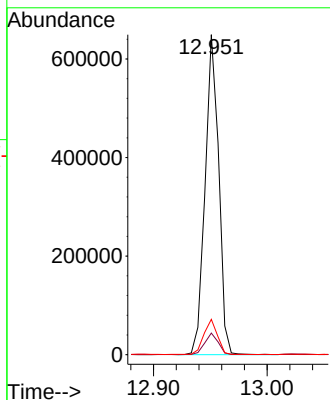
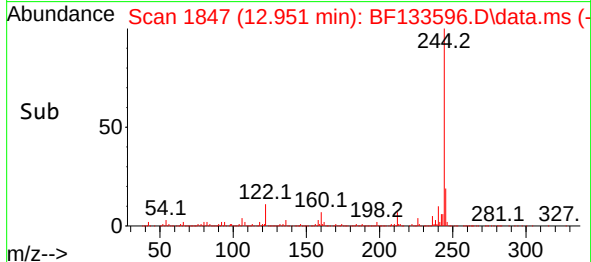
Instrument :
BNA_F
ClientSampleId :
WC07



Tgt Ion:244 Resp: 536874
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 11.0 8.5 12.7

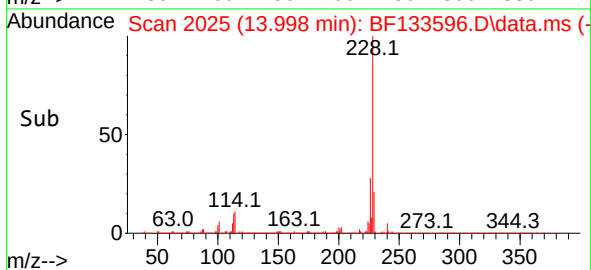
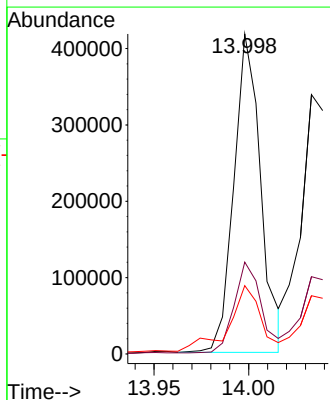
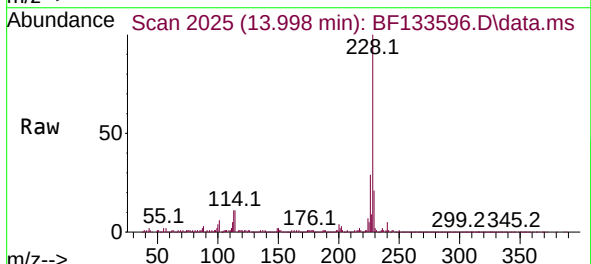
Manual Integrations
APPROVED

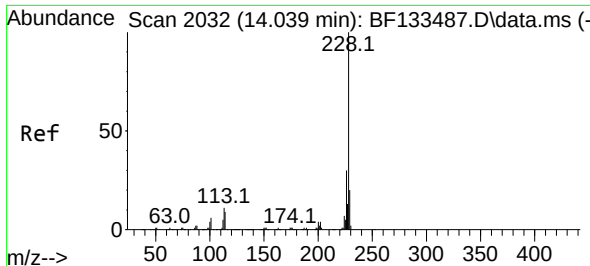
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#81
Benzo(a)anthracene
Concen: 37.090 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

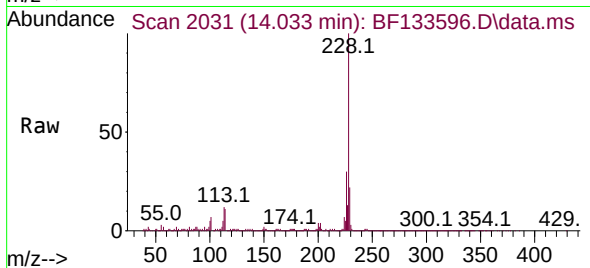
Tgt Ion:228 Resp: 411054
Ion Ratio Lower Upper
228 100
226 28.7 22.3 33.5
229 21.4 16.1 24.1





#83
Chrysene
Concen: 31.032 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

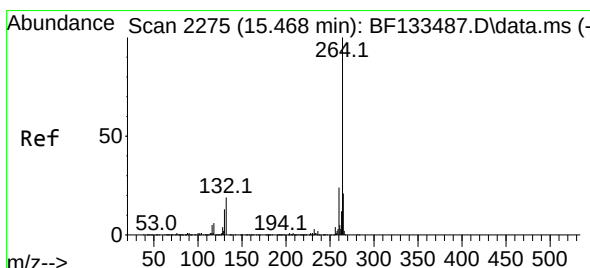
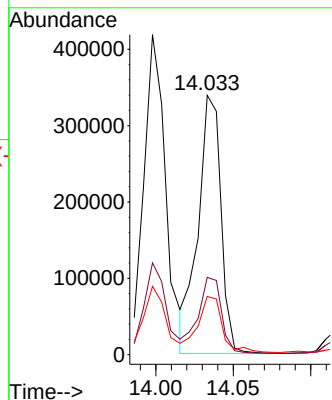
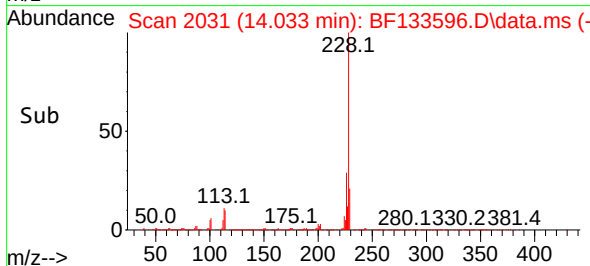
Instrument :
BNA_F
ClientSampleId :
WC07



Tgt Ion:228 Resp: 347189
Ion Ratio Lower Upper
228 100
226 29.8 24.1 36.1
229 22.4 15.8 23.8

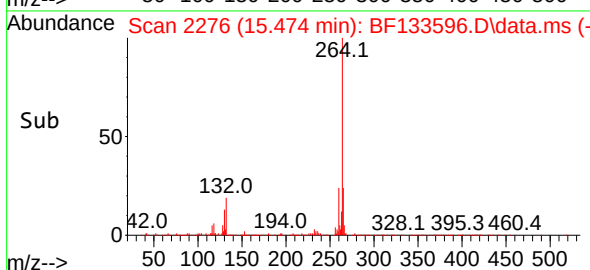
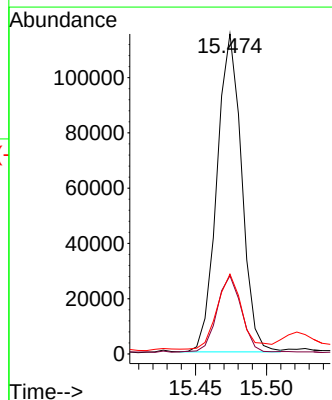
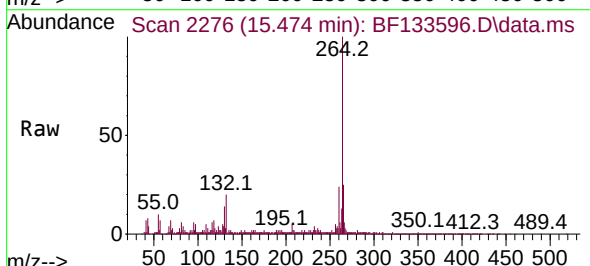
Manual Integrations
APPROVED

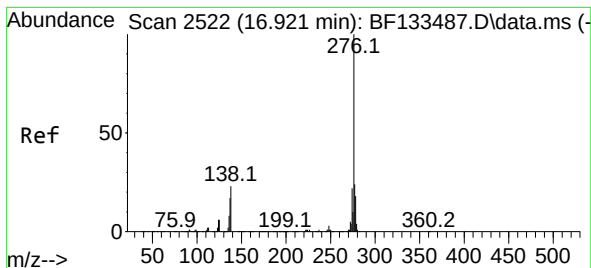
Reviewed By :Yogesh Patel 06/07/2023
Supervised By :mohammad ahmed 06/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:264 Resp: 139467
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.4
265 24.9 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.808 ng

RT: 16.933 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNA_F

ClientSampleId :

WC07

Tgt Ion:276 Resp: 131550

Ion Ratio Lower Upper

276 100

138 21.7 21.4 32.2

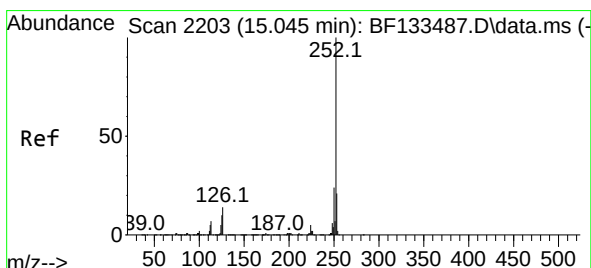
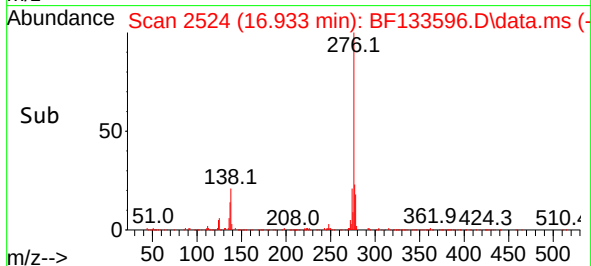
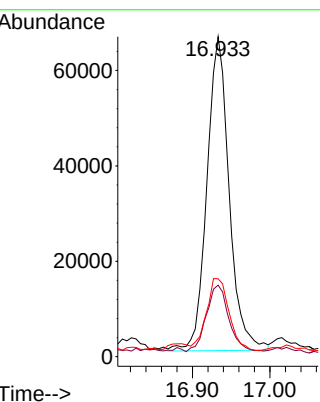
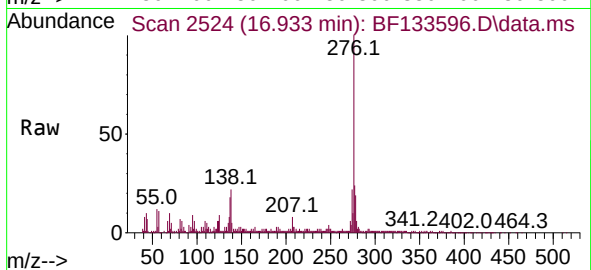
277 23.3 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#88

Benzo(b)fluoranthene

Concen: 38.453 ng m

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

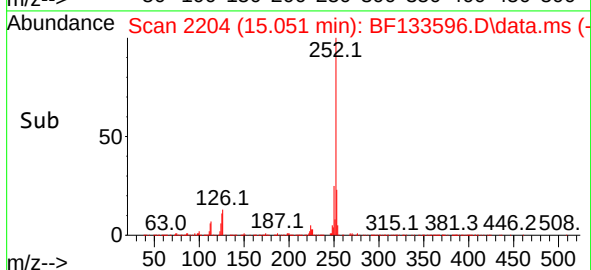
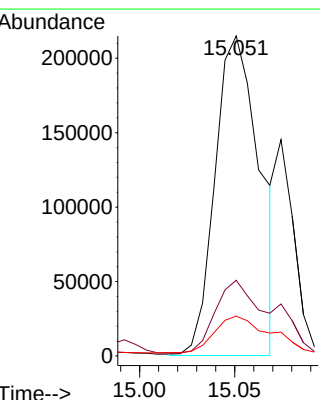
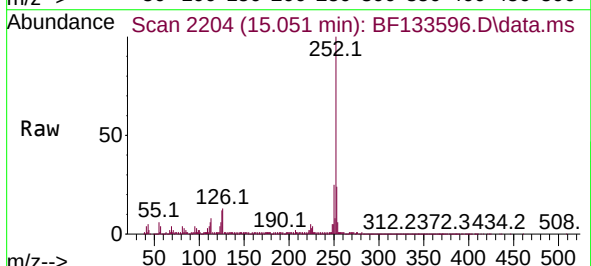
Tgt Ion:252 Resp: 349222

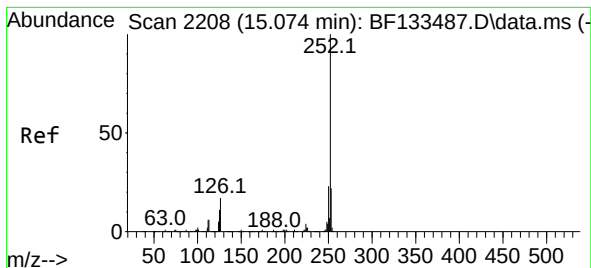
Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 12.5 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 11.068 ng m

RT: 15.074 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

Instrument :

BNF

ClientSampleId :

WC07

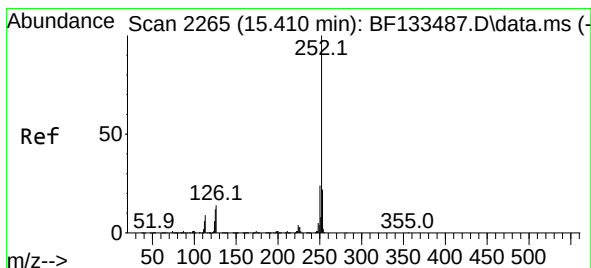
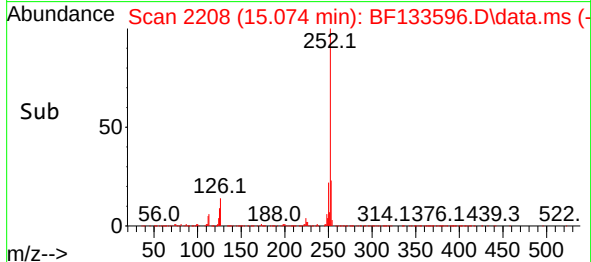
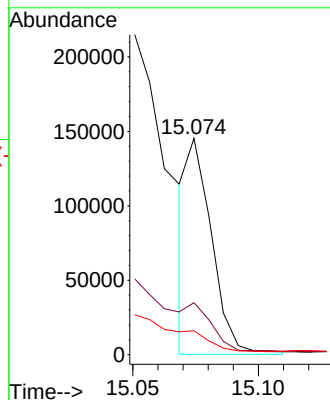
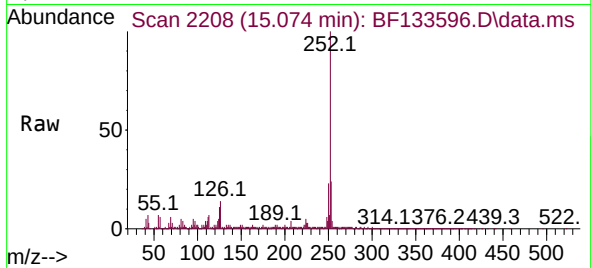
Tgt Ion:	252	Resp:	9801
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.2
125	11.0	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/07/2023

Supervised By :mohammad ahmed 06/08/2023



#90

Benzo(a)pyrene

Concen: 28.412 ng

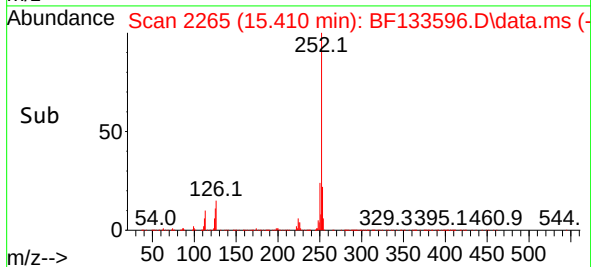
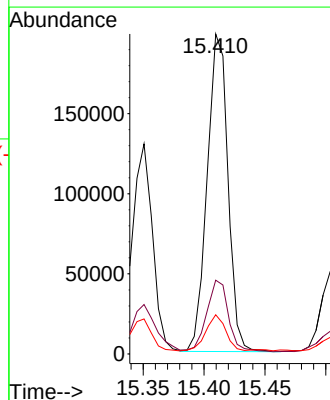
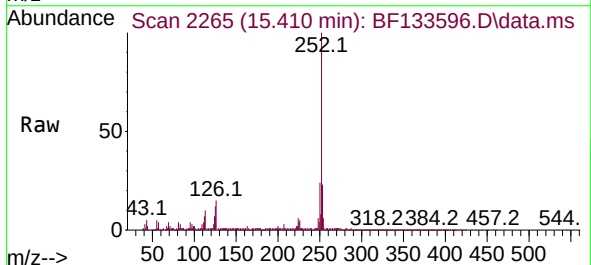
RT: 15.410 min Scan# 2265

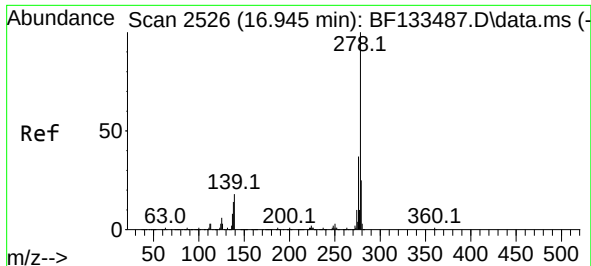
Delta R.T. 0.000 min

Lab File: BF133596.D

Acq: 06 Jun 2023 17:38

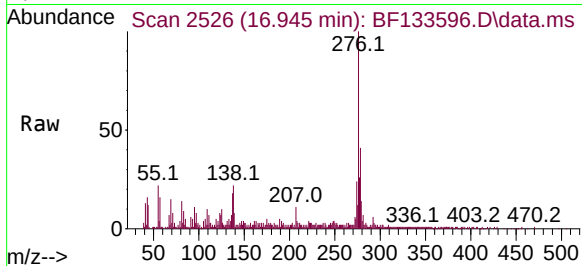
Tgt Ion:	252	Resp:	234791
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	12.2	9.4	14.0





#91
Dibenzo(a,h)anthracene
Concen: 4.753 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

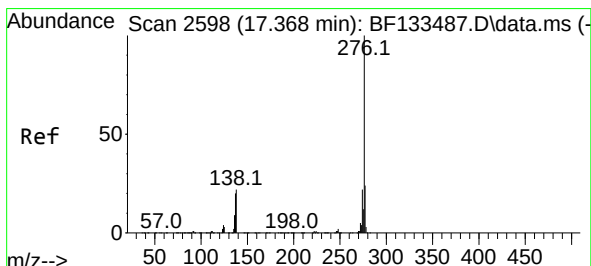
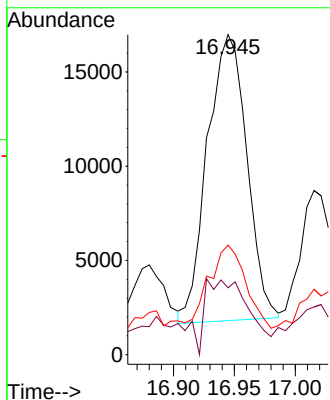
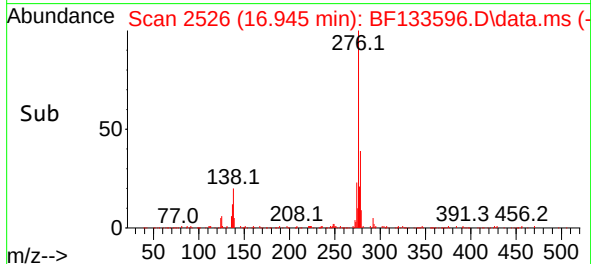
Instrument :
BNA_F
ClientSampleId :
WC07



Tgt Ion:278 Resp: 3423
Ion Ratio Lower Upper
278 100
139 20.9 14.1 21.1
279 34.2 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: 16.941 ng
RT: 17.374 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BF133596.D
Acq: 06 Jun 2023 17:38

Tgt Ion:276 Resp: 123038
Ion Ratio Lower Upper
276 100
277 24.4 18.8 28.2
138 22.1 17.8 26.6

