

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133898.D
 Acq On : 22 Jun 2023 13:23
 Operator : CG\JU
 Sample : 03289-15DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 22 14:15:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	99491	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	379823	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	188768	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	347717	20.000	ng	0.00
76) Chrysene-d12	14.051	240	198616	20.000	ng	0.00
86) Perylene-d12	15.562	264	226092	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	46938	8.213	ng	0.00
7) Phenol-d6	6.486	99	58735	7.896	ng	0.00
23) Nitrobenzene-d5	7.416	82	37922	5.438	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	17209	7.202	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	81381	6.128	ng	0.00
79) Terphenyl-d14	12.980	244	69190	5.390	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.927	154	23854	2.144	ng	95
58) Fluorene	10.445	166	42087	3.242	ng	# 99
71) Phenanthrene	11.415	178	626306	35.502	ng	100
72) Anthracene	11.463	178	156227	8.493	ng	99
75) Fluoranthene	12.615	202	827820	44.188	ng	100
78) Pyrene	12.845	202	732976	39.616	ng	100
81) Benzo(a)anthracene	14.039	228	383182	27.891	ng	98
83) Chrysene	14.074	228	315463	24.278	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	150413	9.670	ng	97
88) Benzo(b)fluoranthene	15.115	252	433923m	31.594	ng	
89) Benzo(k)fluoranthene	15.139	252	114165m	8.533	ng	
90) Benzo(a)pyrene	15.492	252	292685	22.962	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	39936m	3.101	ng	
92) Benzo(g,h,i)perylene	17.574	276	126270	9.890	ng	97

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

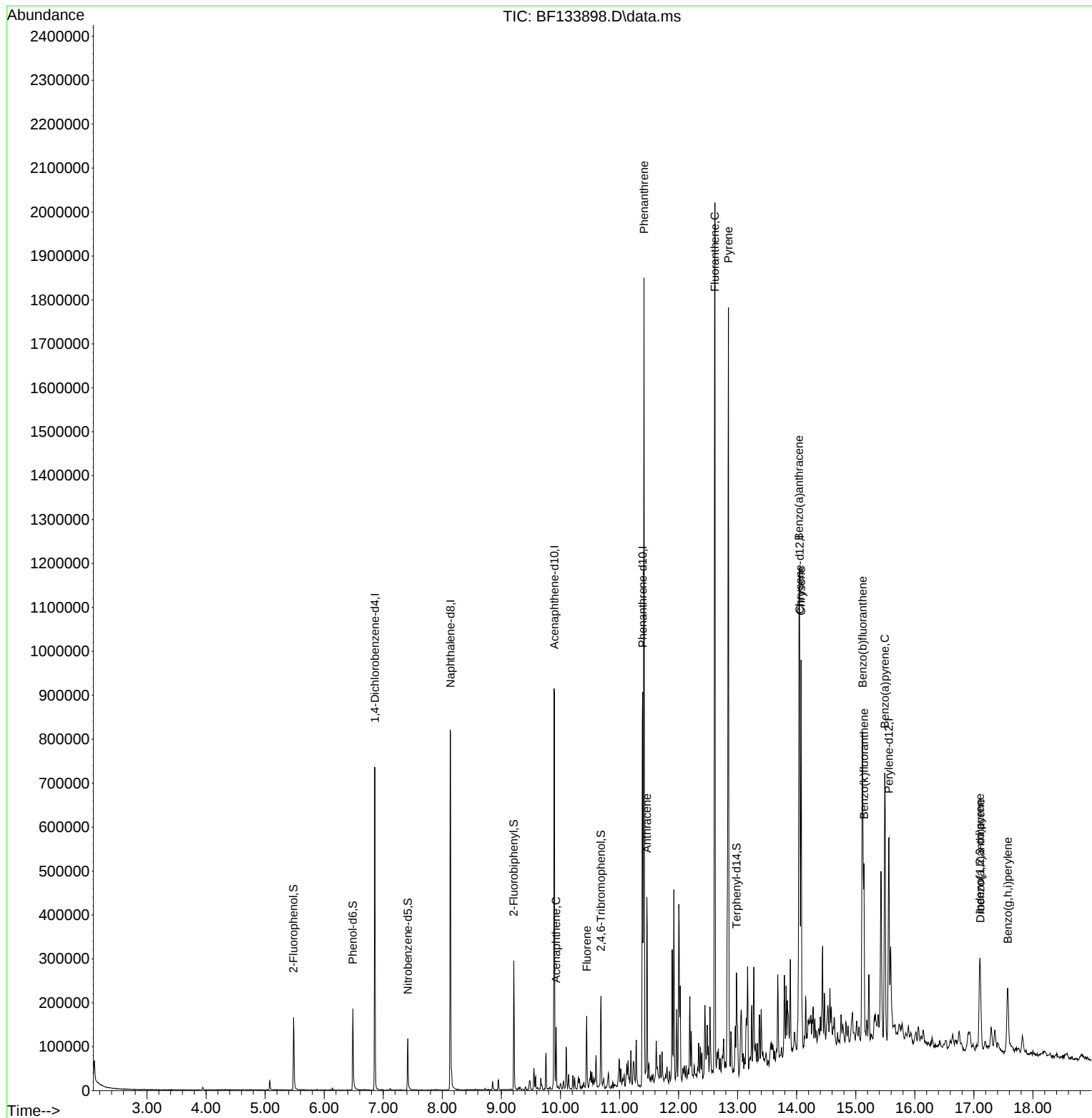
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133898.D
Acq On : 22 Jun 2023 13:23
Operator : CG\JU
Sample : 03289-15DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

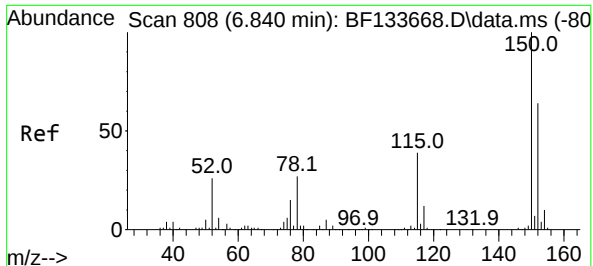
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

Quant Time: Jun 22 14:15:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

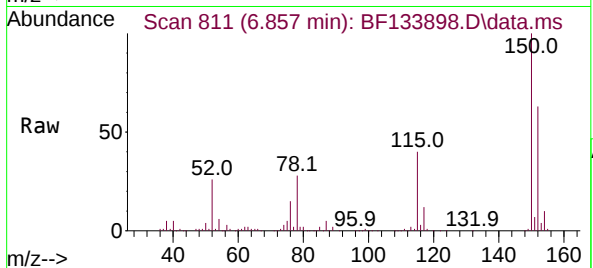
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

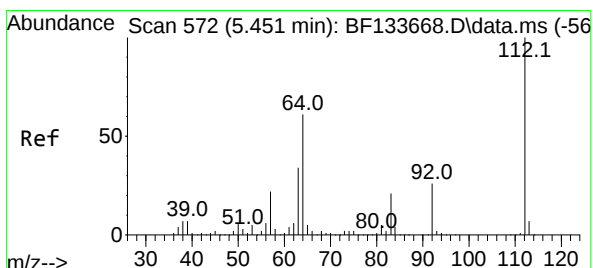
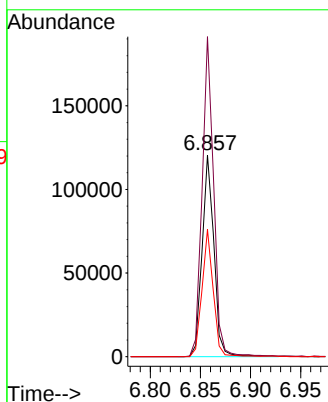
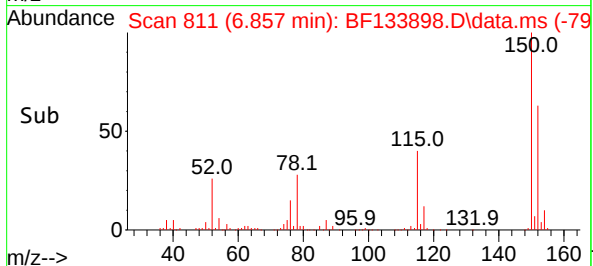
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL



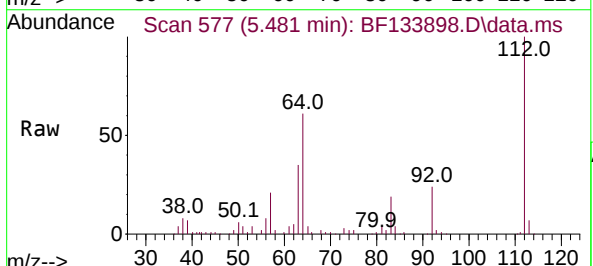
Tgt Ion:152 Resp: 9949
Ion Ratio Lower Upper
152 100
150 158.8 124.3 186.5
115 63.1 48.5 72.7

Manual Integrations
APPROVED

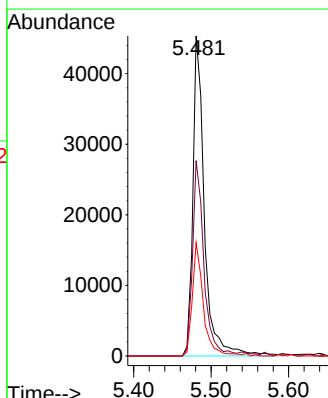
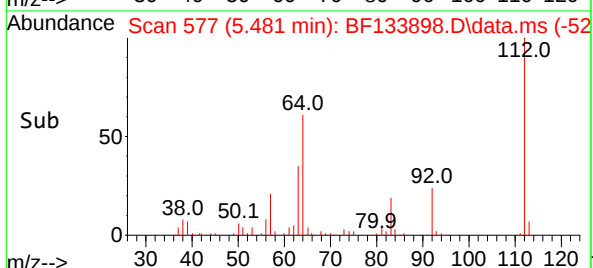
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

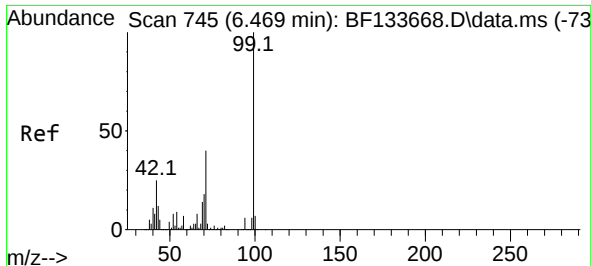


#5
2-Fluorophenol
Concen: 8.213 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23



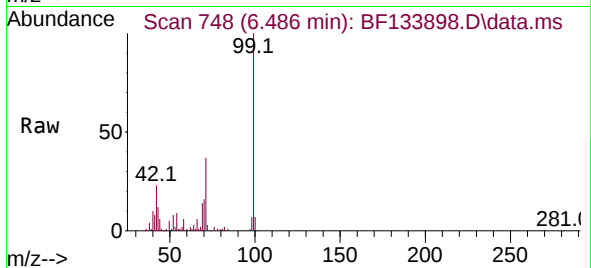
Tgt Ion:112 Resp: 46938
Ion Ratio Lower Upper
112 100
64 61.1 49.0 73.4
63 35.4 26.8 40.2





#7
Phenol-d6
Concen: 7.896 ng
RT: 6.486 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

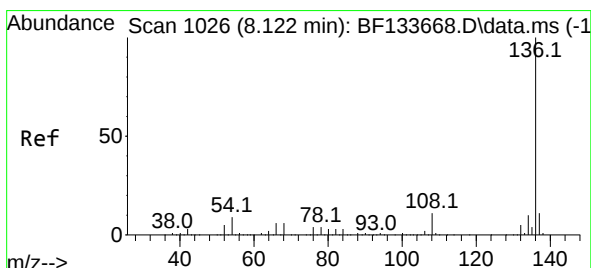
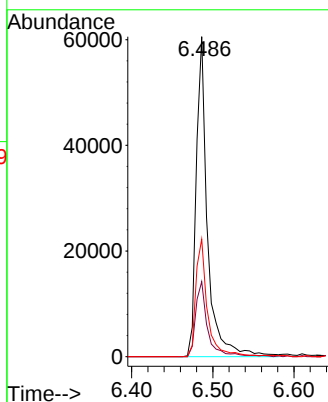
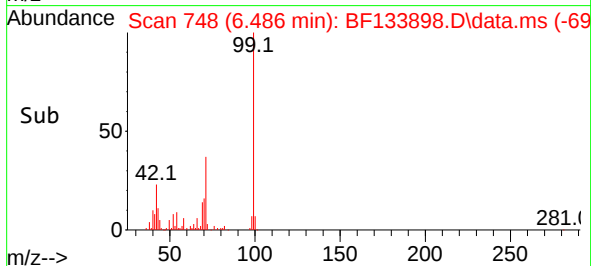
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL



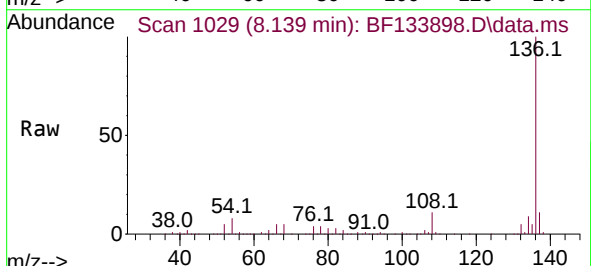
Tgt Ion: 99 Resp: 58735
Ion Ratio Lower Upper
99 100
42 23.5 19.9 29.9
71 36.8 32.2 48.4

Manual Integrations
APPROVED

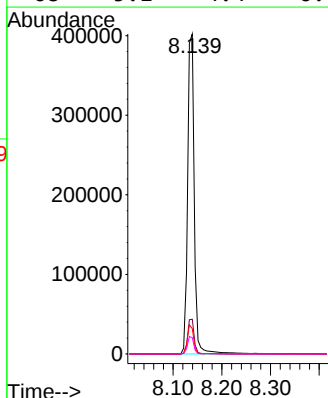
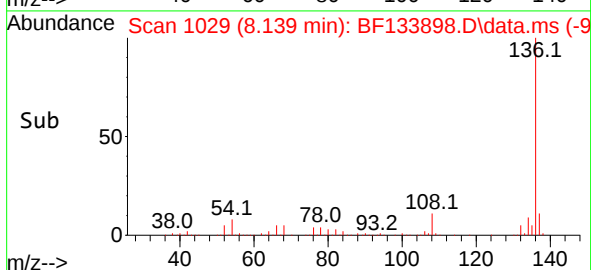
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23



Tgt Ion:136 Resp: 379823
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.9 7.4 11.0
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 5.438 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

Tgt Ion: 82 Resp: 3792

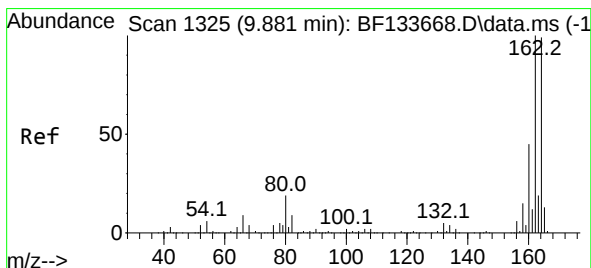
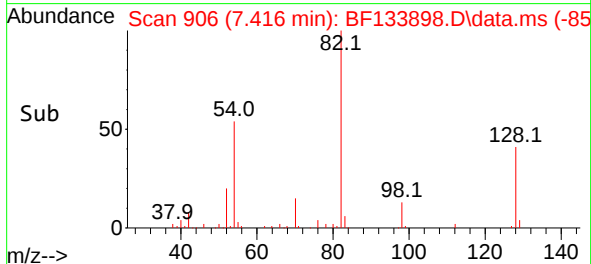
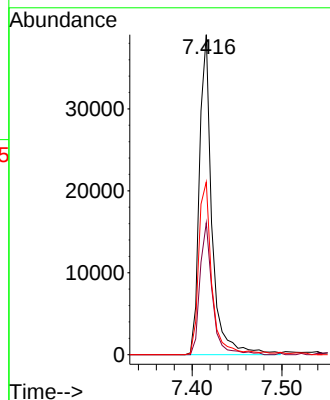
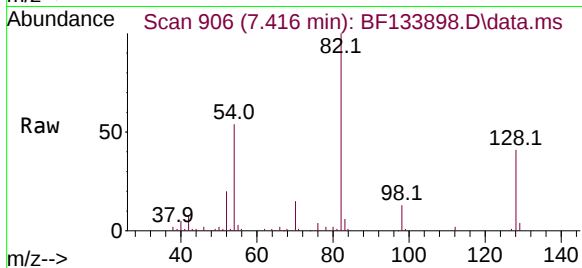
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.2	51.2
54	54.0	46.5	69.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

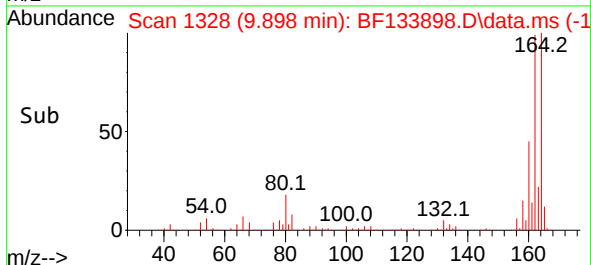
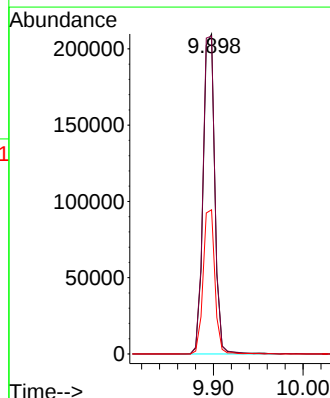
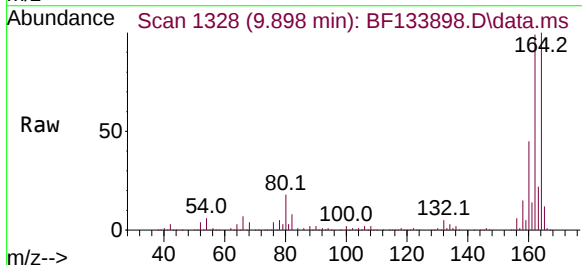
Delta R.T. -0.000 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Tgt Ion:164 Resp: 188768

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.8	121.2
160	45.1	36.7	55.1





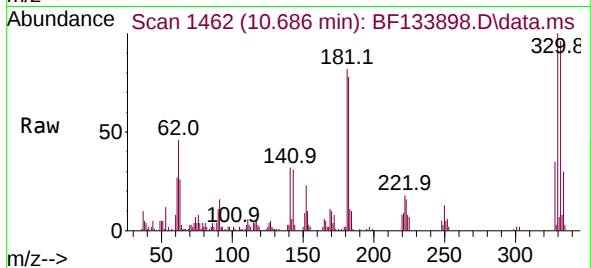
#42
2,4,6-Tribromophenol
Concen: 7.202 ng
RT: 10.686 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL



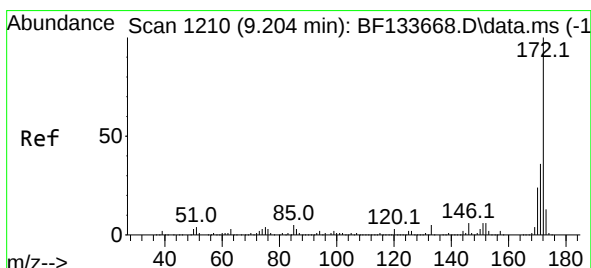
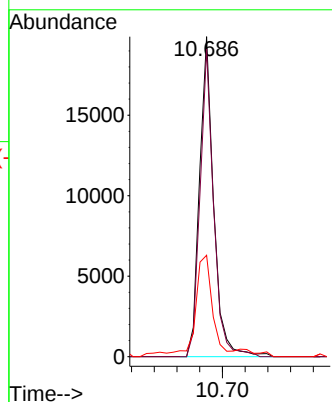
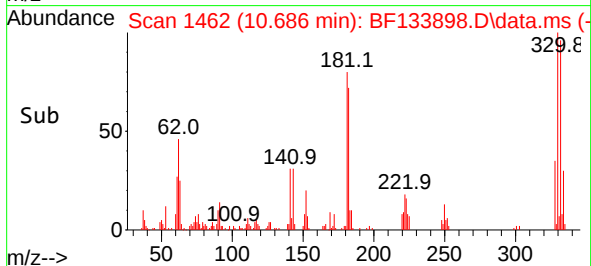
Tgt Ion:330 Resp: 17209
Ion Ratio Lower Upper
330 100
332 92.6 77.2 115.8
141 39.9 24.9 37.3

Manual Integrations

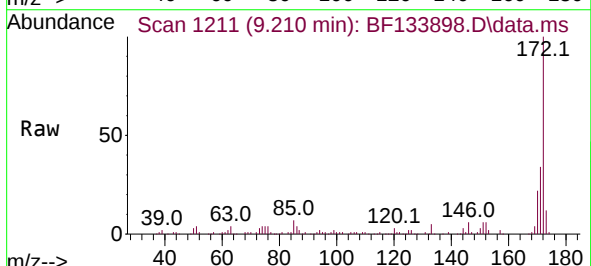
APPROVED

Reviewed By :Yogesh Patel 06/23/2023

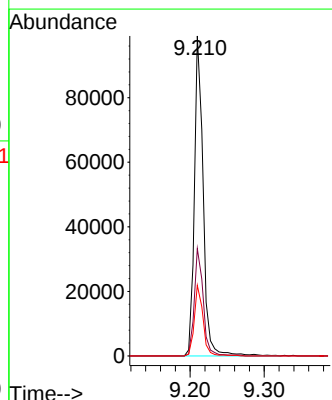
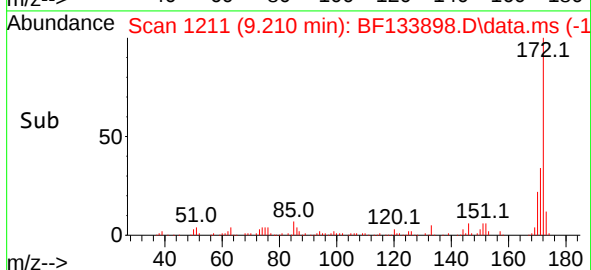
Supervised By :mohammad ahmed 06/23/2023

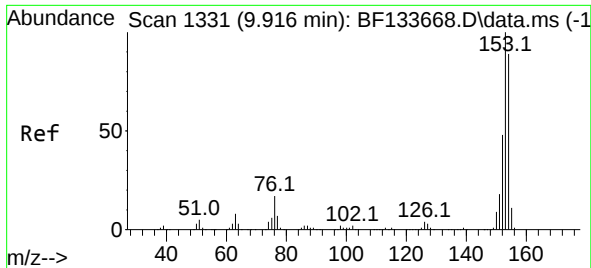


#45
2-Fluorobiphenyl
Concen: 6.128 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23



Tgt Ion:172 Resp: 81381
Ion Ratio Lower Upper
172 100
171 33.5 28.6 43.0
170 22.1 19.1 28.7





#52
Acenaphthene
Concen: 2.144 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

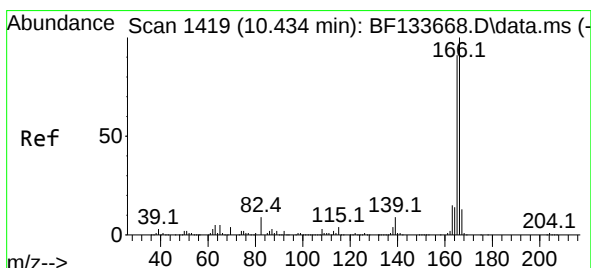
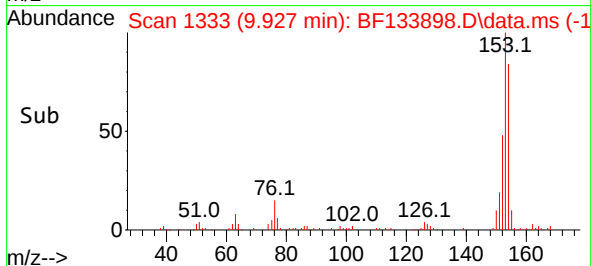
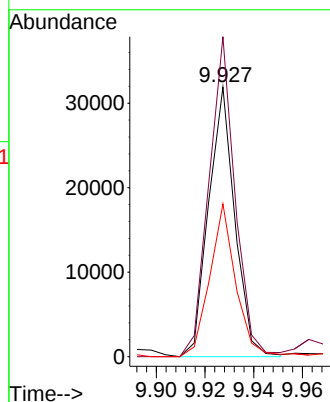
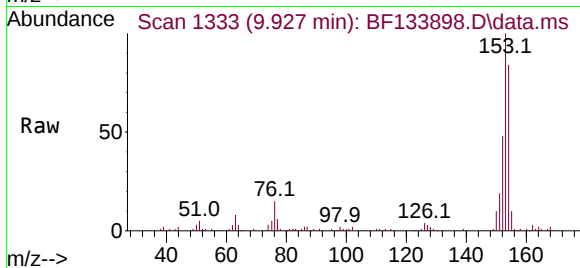
SB-06-0-2.0DL

Tgt Ion:154 Resp: 23854
Ion Ratio Lower Upper
154 100
153 118.7 89.8 134.8
152 56.7 43.4 65.2

Manual Integrations

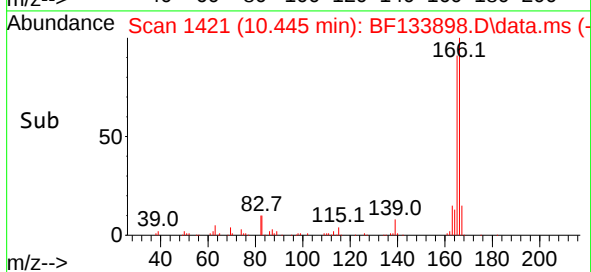
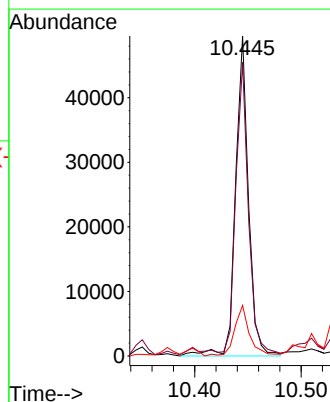
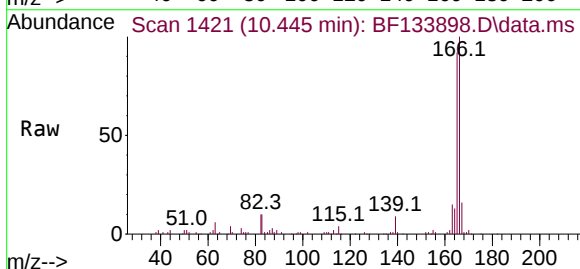
APPROVED

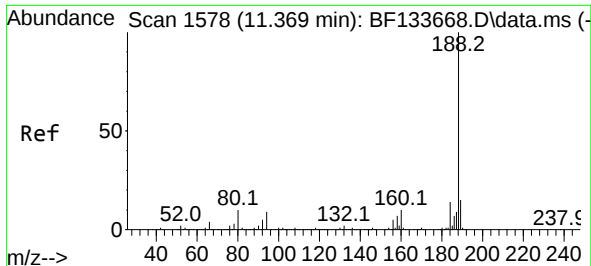
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#58
Fluorene
Concen: 3.242 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

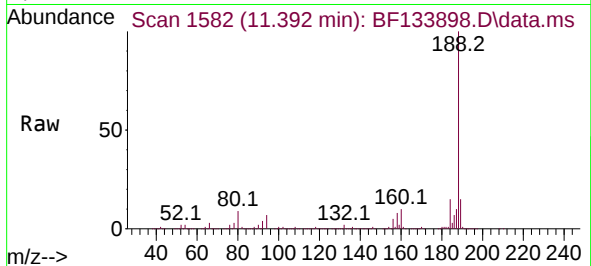
Tgt Ion:166 Resp: 42087
Ion Ratio Lower Upper
166 100
165 91.7 73.1 109.7
167 15.8 10.5 15.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11392
Delta R.T. 0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

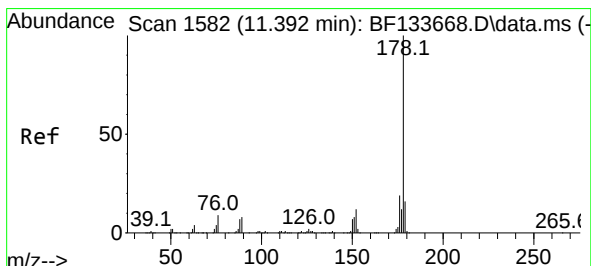
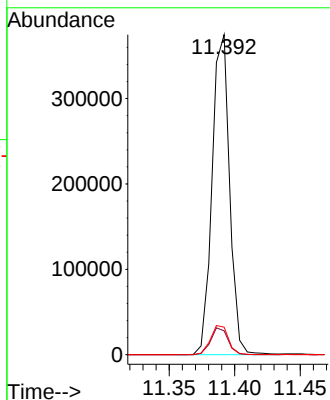
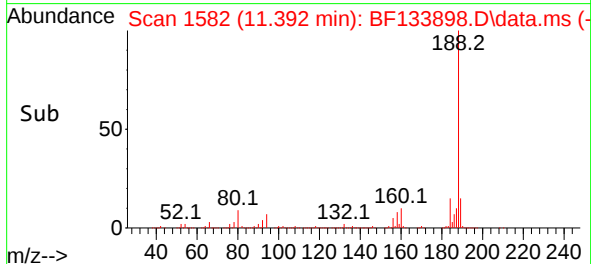
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL



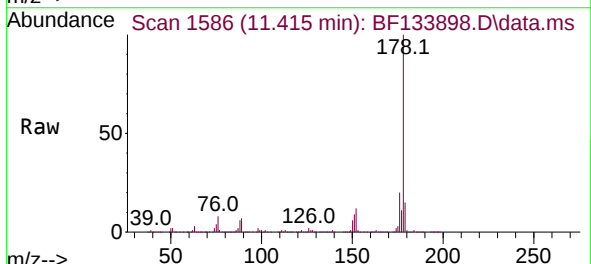
Tgt Ion:188 Resp: 34771
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 8.6 7.8 11.6

Manual Integrations
APPROVED

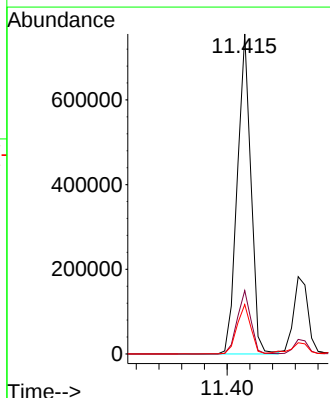
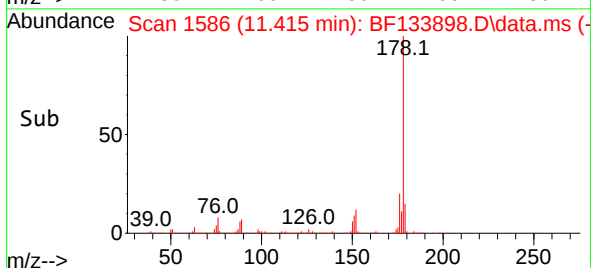
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

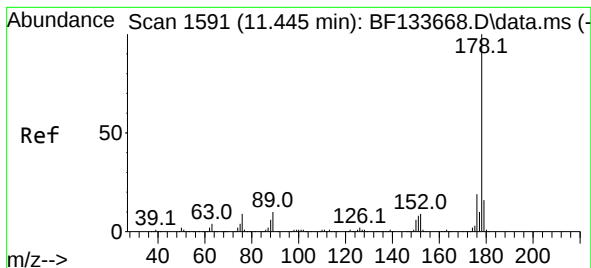


#71
Phenanthrene
Concen: 35.502 ng
RT: 11.415 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23



Tgt Ion:178 Resp: 626306
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 15.5 12.4 18.6





#72

Anthracene

Concen: 8.493 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

Tgt Ion:178 Resp: 15622

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

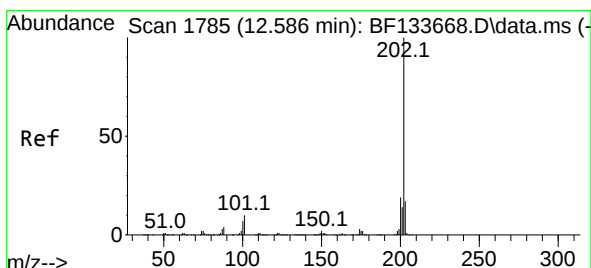
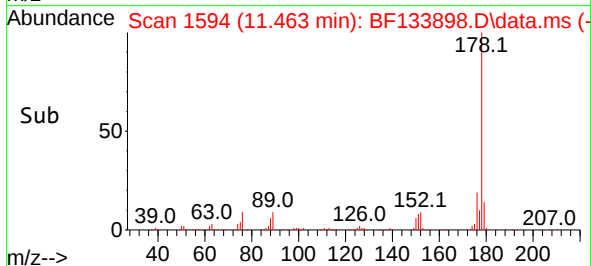
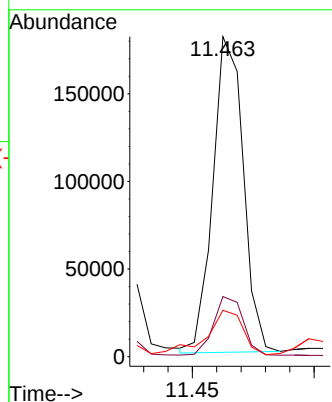
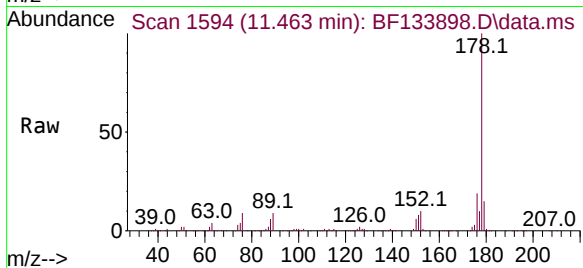
179 14.5 12.6 18.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#75

Fluoranthene

Concen: 44.188 ng

RT: 12.615 min Scan# 1790

Delta R.T. 0.006 min

Lab File: BF133898.D

Acq: 22 Jun 2023 13:23

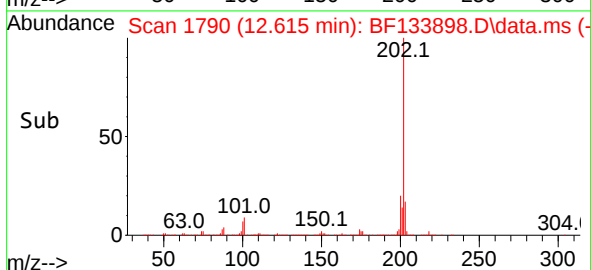
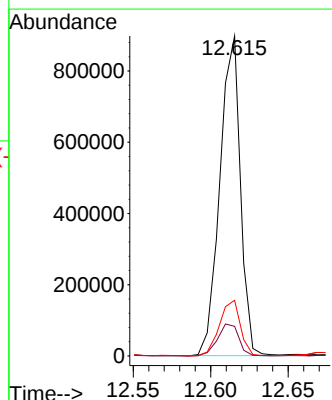
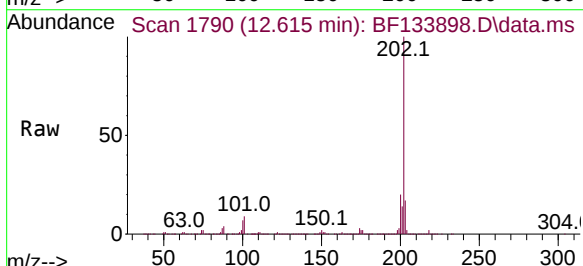
Tgt Ion:202 Resp: 827820

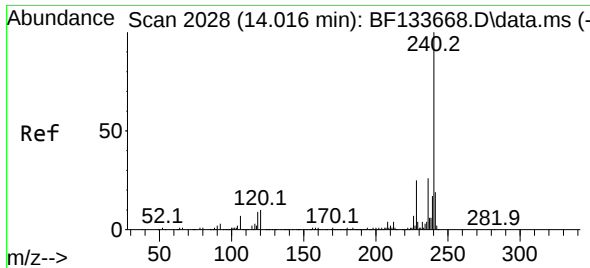
Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.6

203 17.4 0.0 37.4





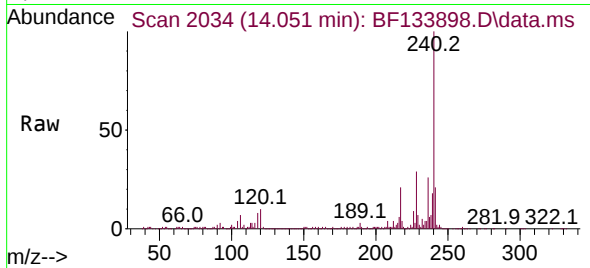
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

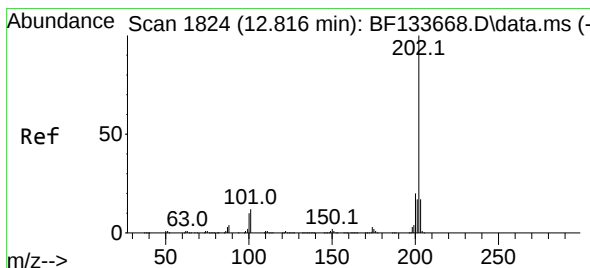
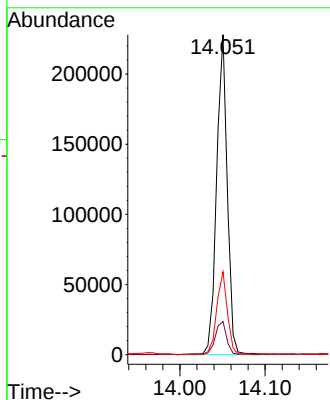
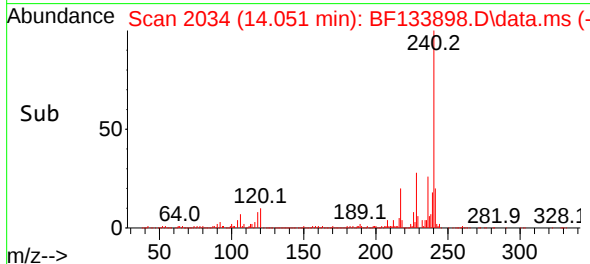


Tgt Ion:240 Resp: 198610
Ion Ratio Lower Upper
240 100
120 10.3 8.1 12.1
236 25.9 20.5 30.7

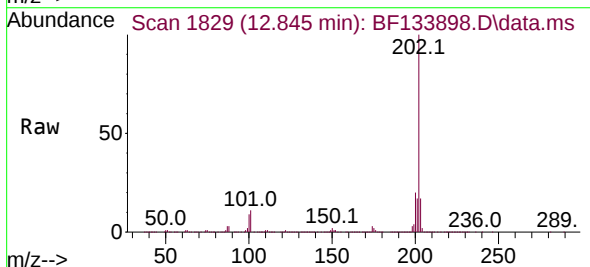
Manual Integrations

APPROVED

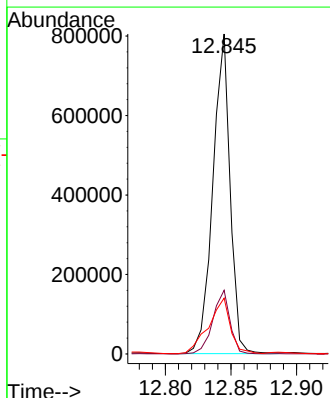
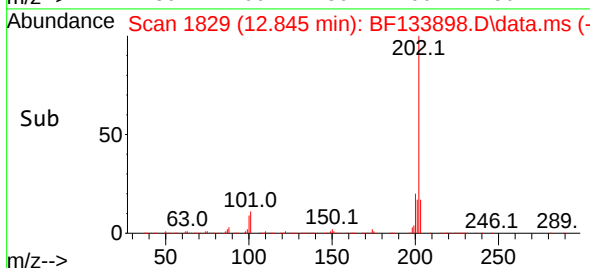
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

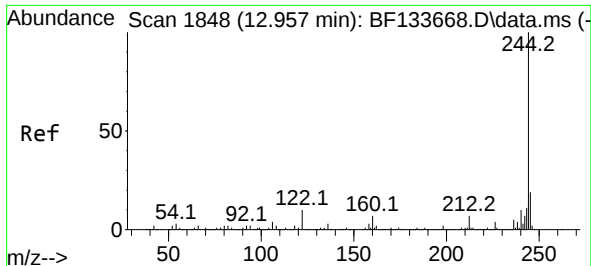


#78
Pyrene
Concen: 39.616 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23



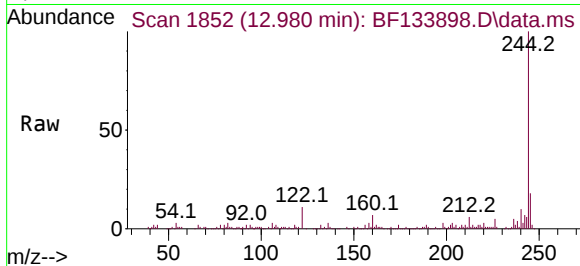
Tgt Ion:202 Resp: 732976
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 17.5 13.9 20.9





#79
Terphenyl-d14
Concen: 5.390 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

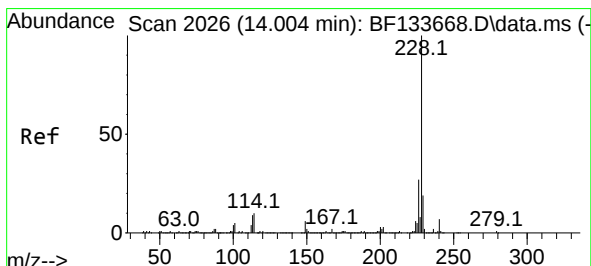
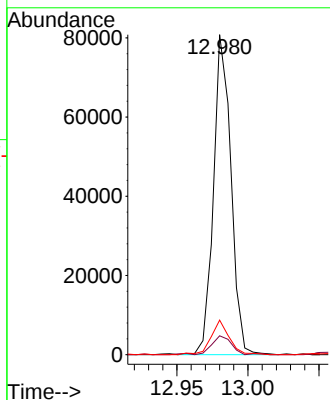
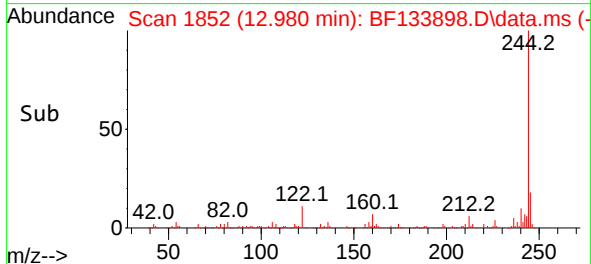
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL



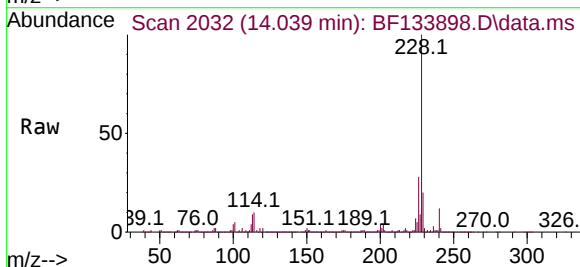
Tgt Ion:244 Resp: 69190
Ion Ratio Lower Upper
244 100
212 5.9 5.4 8.2
122 10.8 8.1 12.1

Manual Integrations
APPROVED

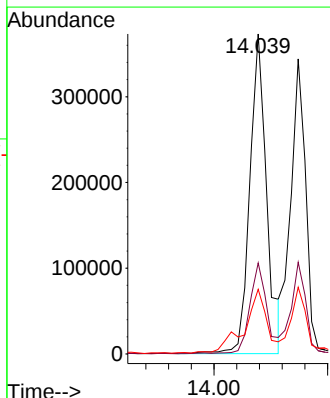
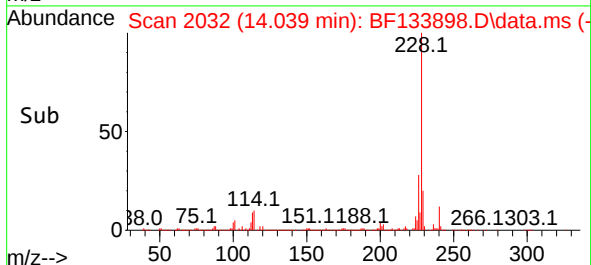
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

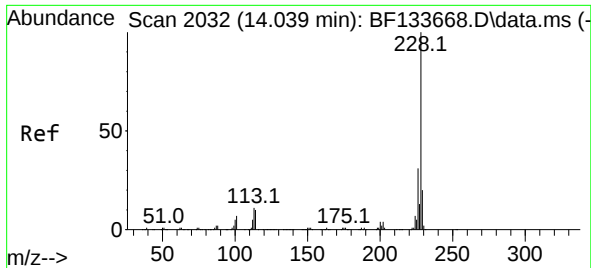


#81
Benzo(a)anthracene
Concen: 27.891 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23



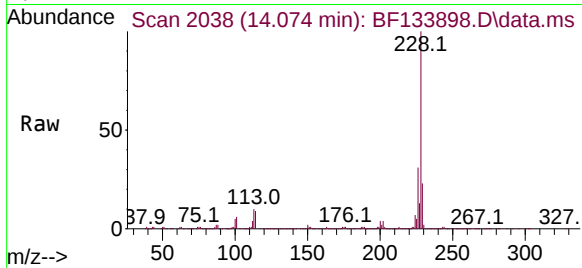
Tgt Ion:228 Resp: 383182
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.2 15.4 23.2





#83
Chrysene
Concen: 24.278 ng
RT: 14.074 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

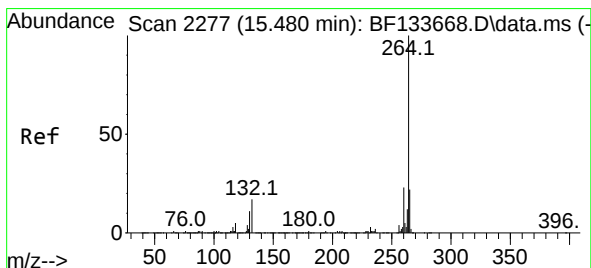
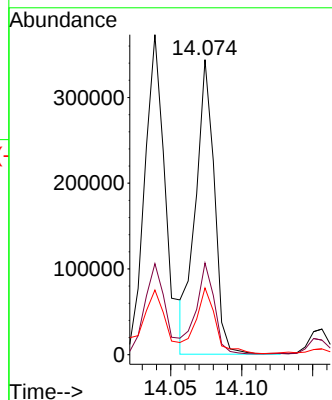
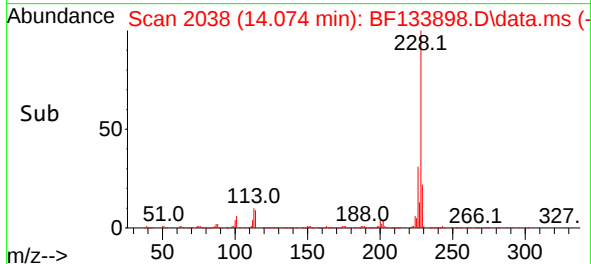
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL



Tgt Ion:228 Resp: 31546
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 22.6 15.8 23.8

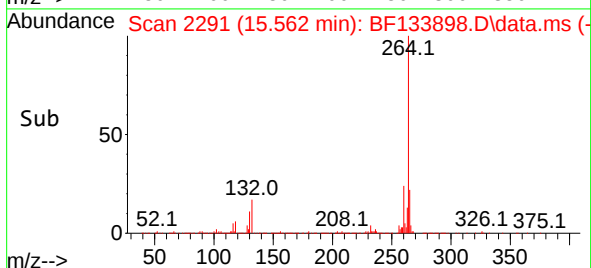
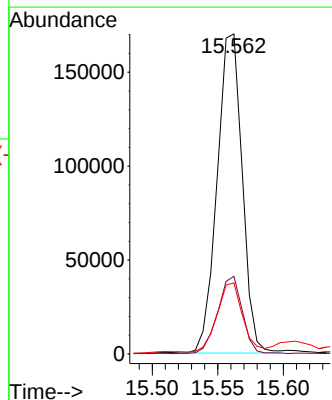
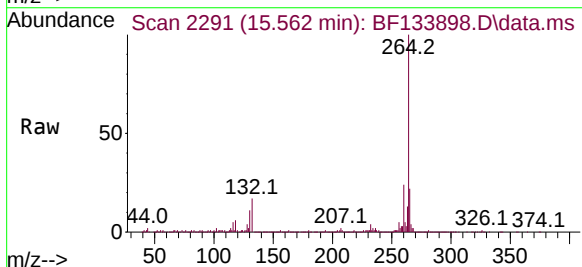
Manual Integrations
APPROVED

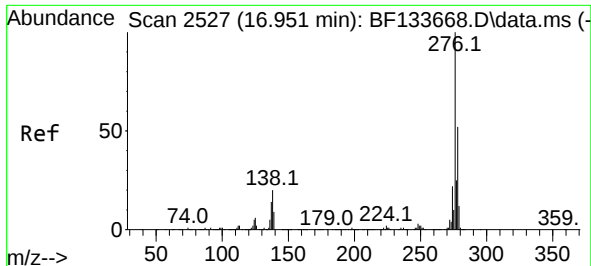
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:264 Resp: 226092
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.2
265 22.2 17.8 26.6





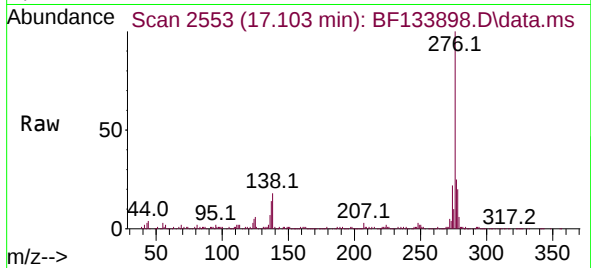
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.670 ng
RT: 17.103 min Scan# 2115
Delta R.T. 0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Instrument :

BNA_F

ClientSampleId :

SB-06-0-2.0DL

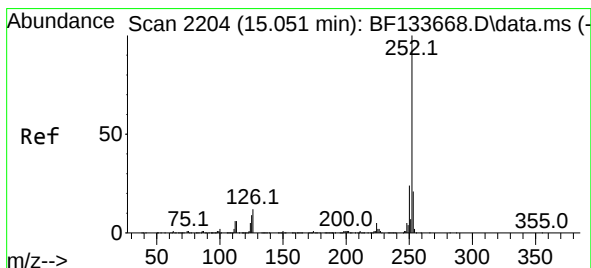
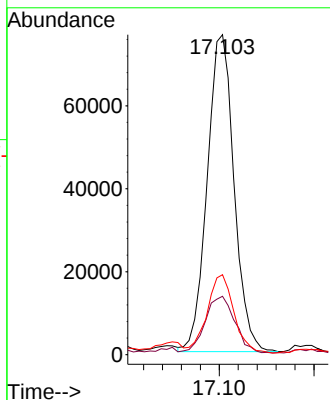
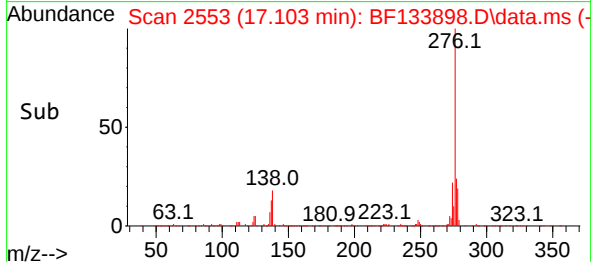


Tgt Ion:276 Resp: 15041
Ion Ratio Lower Upper
276 100
138 19.7 17.9 26.9
277 24.8 20.3 30.5

Manual Integrations

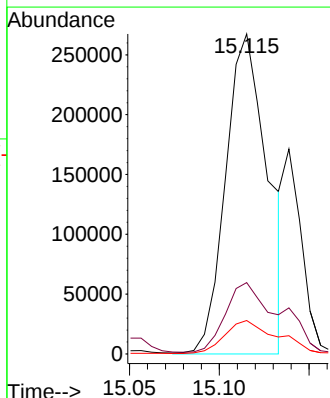
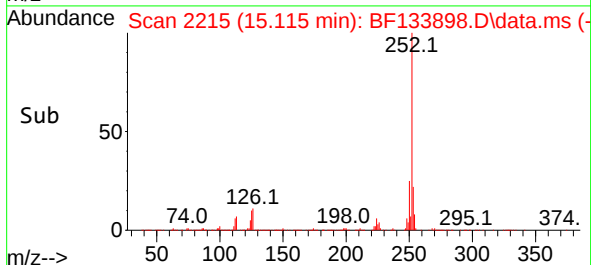
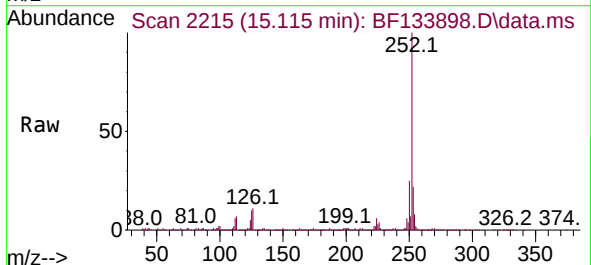
APPROVED

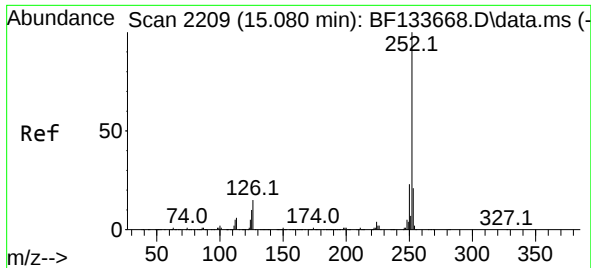
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#88
Benzo(b)fluoranthene
Concen: 31.594 ng m
RT: 15.115 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:252 Resp: 433923
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 10.4 7.3 10.9





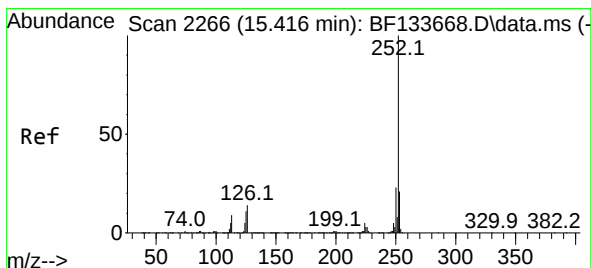
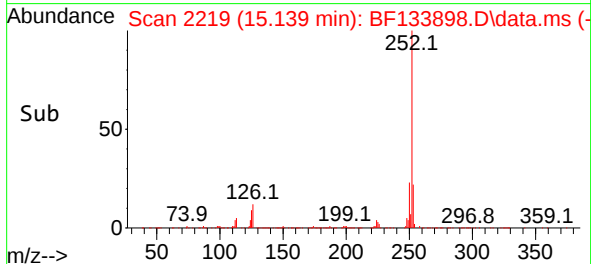
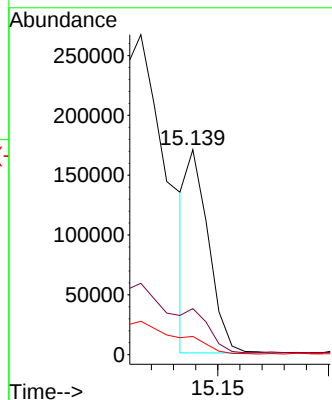
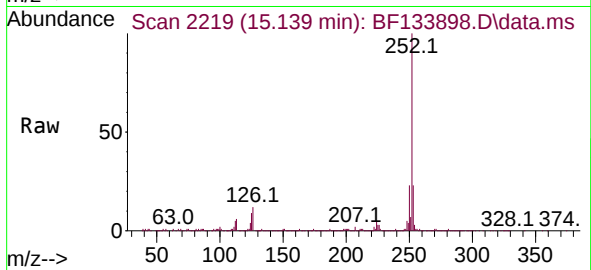
#89
Benzo(k)fluoranthene
Concen: 8.533 ng m
RT: 15.139 min Scan# 2119
Delta R.T. 0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

Tgt Ion:252 Resp: 11416
Ion Ratio Lower Upper
252 100
253 22.5 17.0 25.4
125 8.9 7.8 11.6

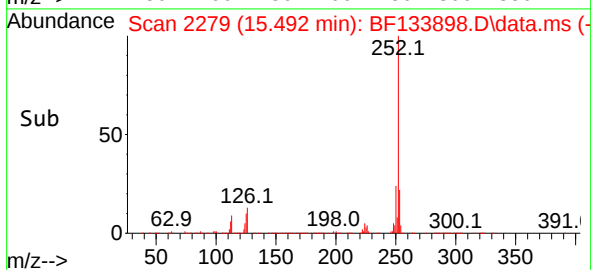
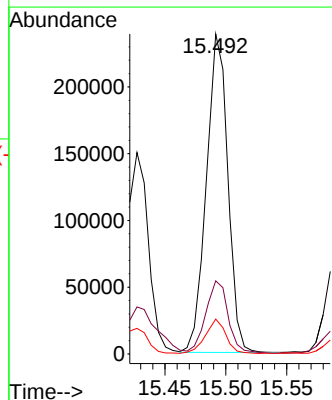
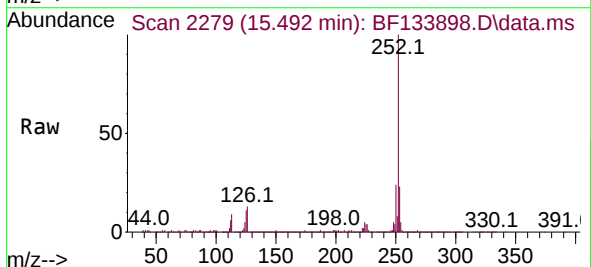
Manual Integrations
APPROVED

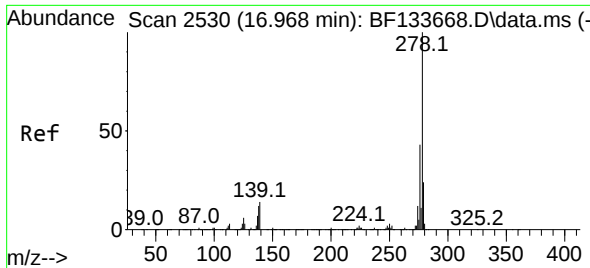
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#90
Benzo(a)pyrene
Concen: 22.962 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:252 Resp: 292685
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 10.9 8.6 13.0





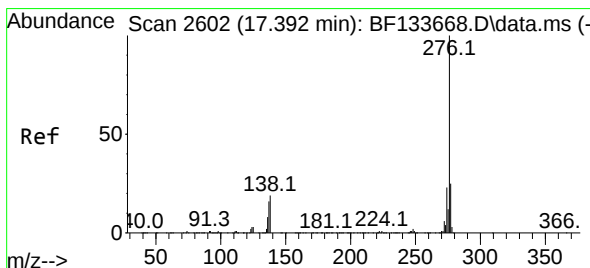
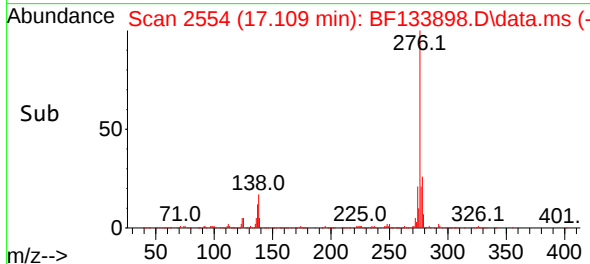
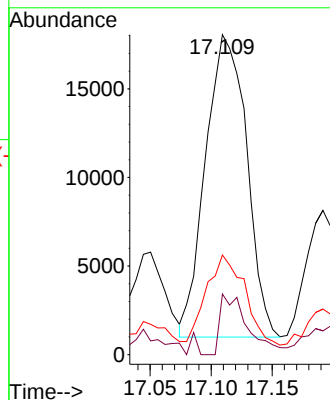
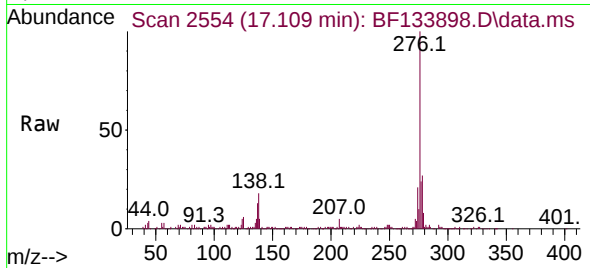
#91
Dibenzo(a,h)anthracene
Concen: 3.101 ng m
RT: 17.109 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0DL

Tgt Ion:278 Resp: 39930
Ion Ratio Lower Upper
278 100
139 19.0 11.4 17.2
279 31.2 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#92
Benzo(g,h,i)perylene
Concen: 9.890 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.000 min
Lab File: BF133898.D
Acq: 22 Jun 2023 13:23

Tgt Ion:276 Resp: 126270
Ion Ratio Lower Upper
276 100
277 23.1 19.8 29.8
138 19.8 15.0 22.4

