

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133927.D
 Acq On : 23 Jun 2023 05:14
 Operator : CG\JU
 Sample : 03328-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW02-0-8

Quant Time: Jun 23 05:51:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 23 02:21:26 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 06/23/2023

Supervised By :mohammad
 ahmed
 06/23/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	106632	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	396456	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	176729	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	296928	20.000	ng	0.00
76) Chrysene-d12	14.057	240	206720	20.000	ng	0.00
86) Perylene-d12	15.562	264	182004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	478425	78.109	ng	0.00
7) Phenol-d6	6.492	99	581106	72.886	ng	0.00
23) Nitrobenzene-d5	7.416	82	389498	53.511	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	149789	66.958	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	731954	58.875	ng	0.00
79) Terphenyl-d14	12.986	244	647393	48.459	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.157	128	78883	4.084	ng	99
37) 2-Methylnaphthalene	8.851	142	30670	2.285	ng	98
52) Acenaphthene	9.928	154	65355	6.274	ng	97
55) Dibenzofuran	10.098	168	66137	4.161	ng	98
58) Fluorene	10.445	166	91363	7.517	ng	99
71) Phenanthrene	11.416	178	852861	56.613	ng	100
72) Anthracene	11.469	178	232920	14.828	ng	98
73) Carbazole	11.622	167	95596	6.534	ng	99
75) Fluoranthene	12.616	202	1312152	82.022	ng	99
78) Pyrene	12.845	202	1120950	58.211	ng	99
81) Benzo(a)anthracene	14.045	228	641638	44.873	ng	97
83) Chrysene	14.080	228	562287m	41.576	ng	
87) Indeno(1,2,3-cd)pyrene	17.109	276	241074	19.253	ng	96
88) Benzo(b)fluoranthene	15.121	252	677021m	61.236	ng	
89) Benzo(k)fluoranthene	15.145	252	160125m	14.868	ng	
90) Benzo(a)pyrene	15.498	252	427354	41.649	ng	97
91) Dibenzo(a,h)anthracene	17.115	278	63232m	6.100	ng	
92) Benzo(g,h,i)perylene	17.586	276	216596	21.074	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133927.D
Acq On : 23 Jun 2023 05:14
Operator : CG\JU
Sample : 03328-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

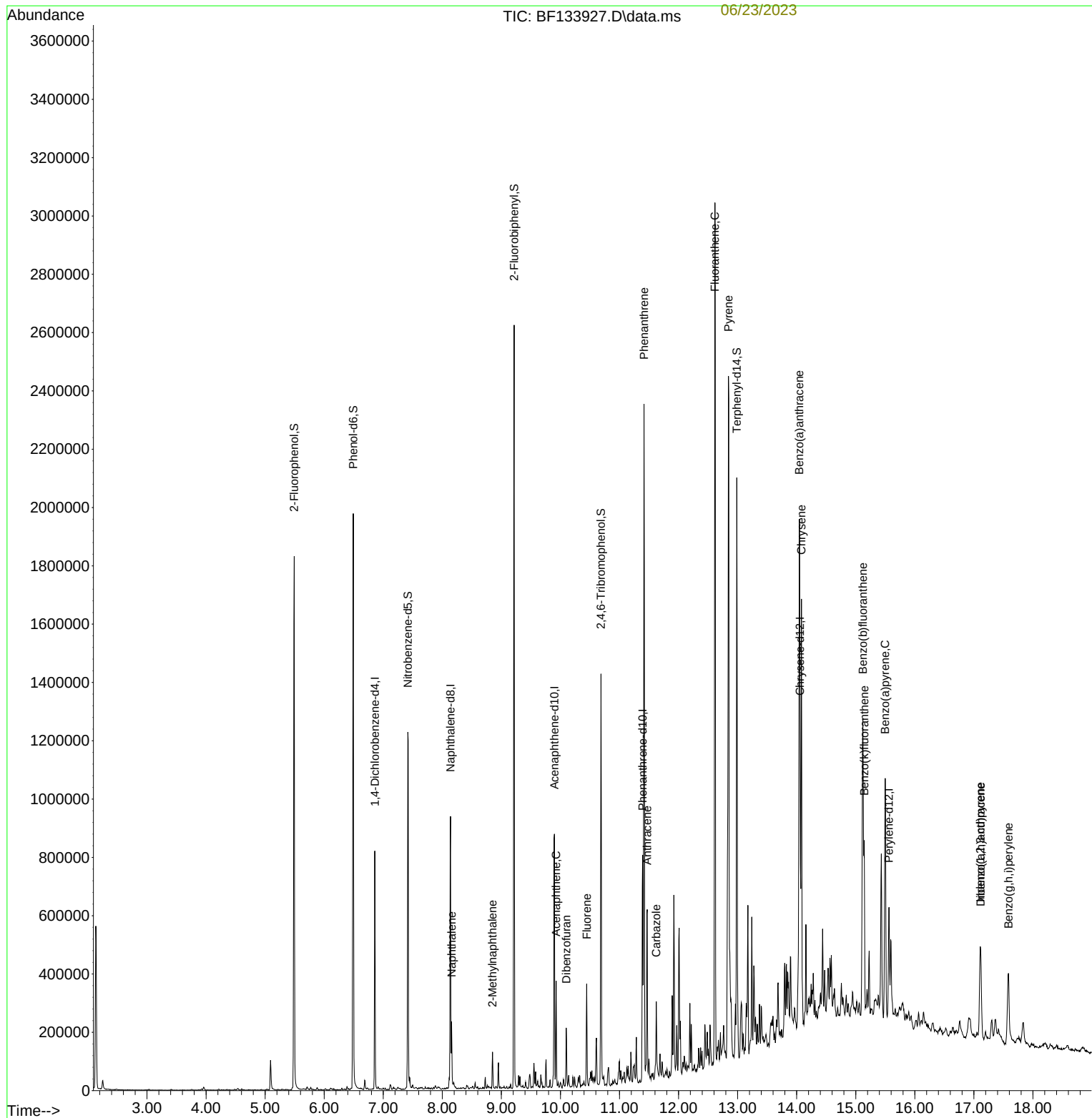
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

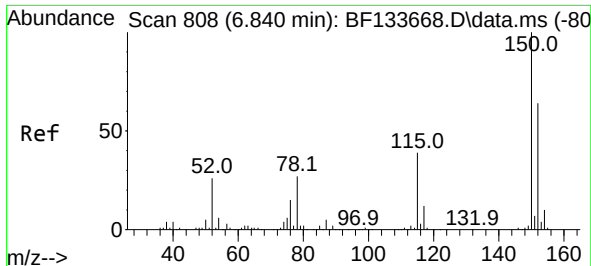
Quant Time: Jun 23 05:51:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 23 02:21:26 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
06/23/2023

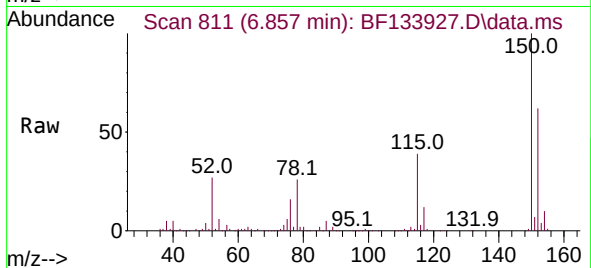
Supervised By :mohammad
ahmed
06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

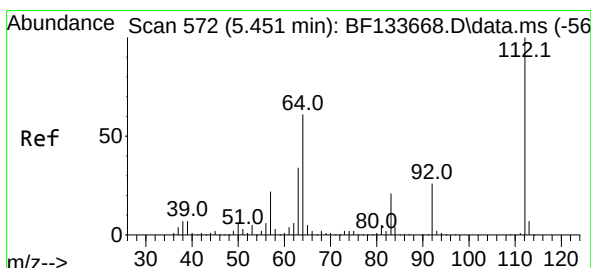
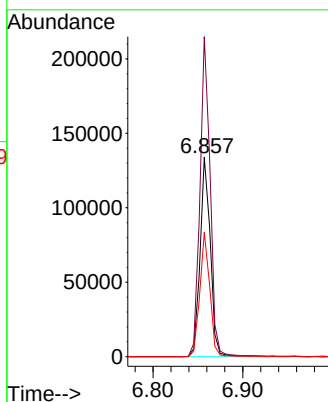
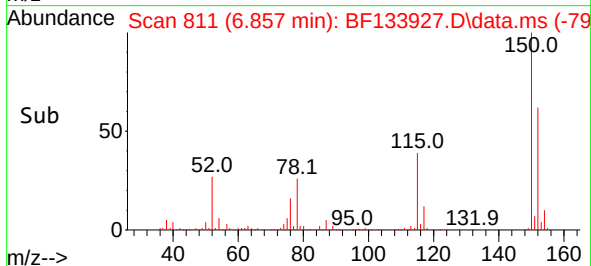


Tgt Ion:152 Resp: 106632
Ion Ratio Lower Upper
152 100
150 160.5 124.3 186.5
115 62.4 48.5 72.7

Manual Integrations
APPROVED

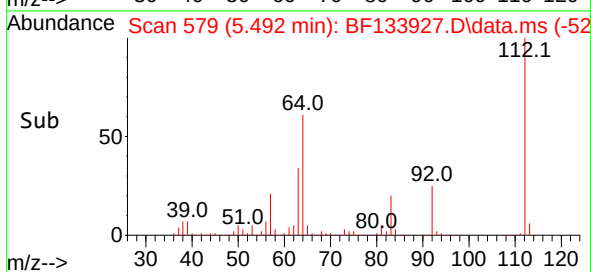
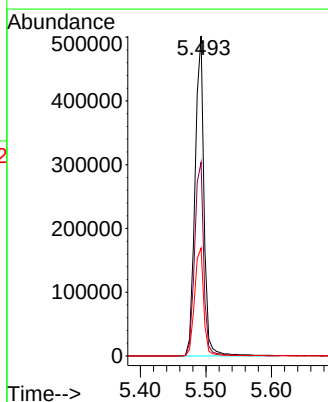
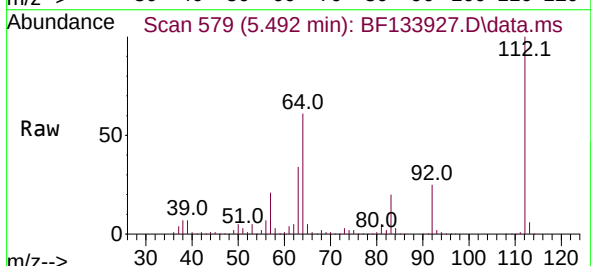
Reviewed By :Yogesh
Patel
06/23/2023

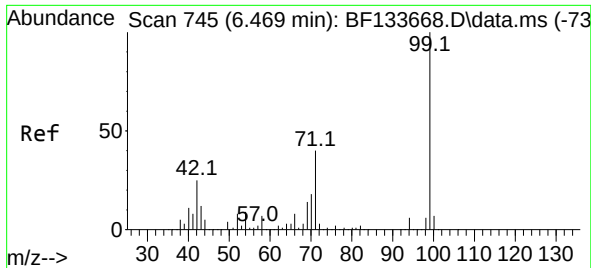
Supervised By :mohammad
ahmed
06/23/2023



#5
2-Fluorophenol
Concen: 78.109 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

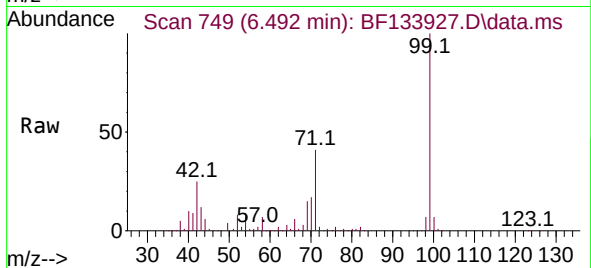
Tgt Ion:112 Resp: 478425
Ion Ratio Lower Upper
112 100
64 60.5 49.0 73.4
63 33.8 26.8 40.2





#7
Phenol-d6
Concen: 72.886 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

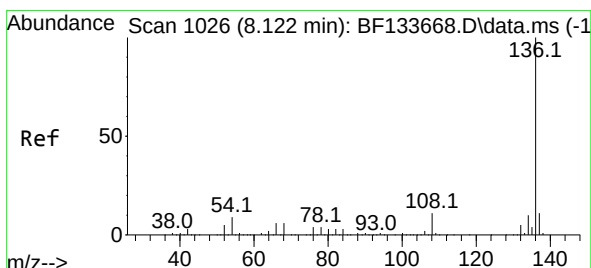
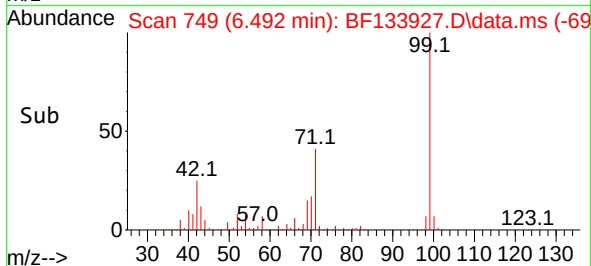
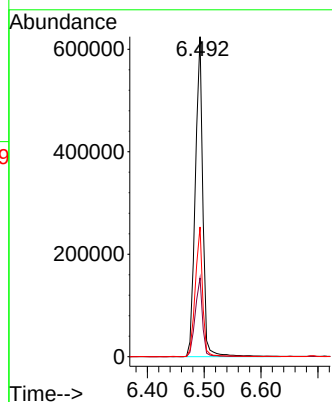


Tgt Ion: 99 Resp: 581100
Ion Ratio Lower Upper
99 100
42 24.6 19.9 29.9
71 40.5 32.2 48.4

Manual Integrations
APPROVED

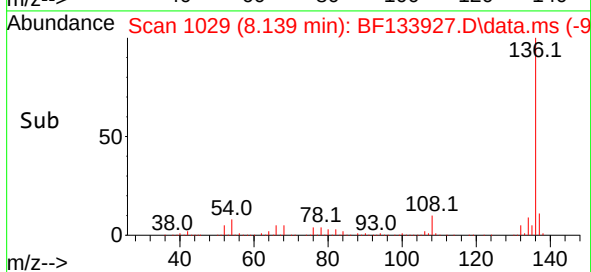
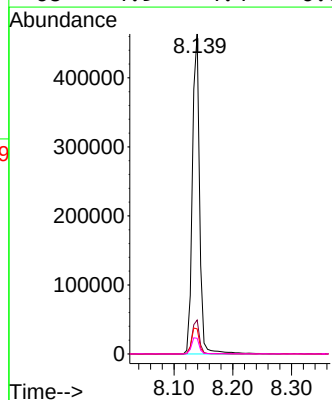
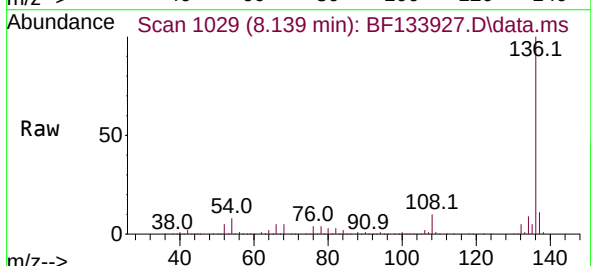
Reviewed By :Yogesh
Patel
06/23/2023

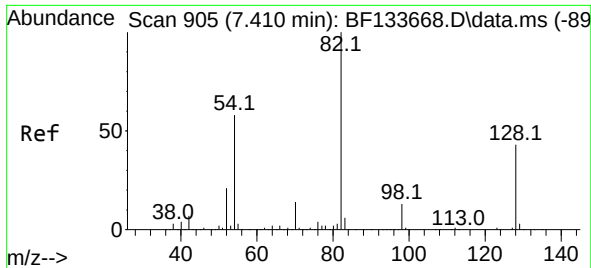
Supervised By :mohammad
ahmed
06/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

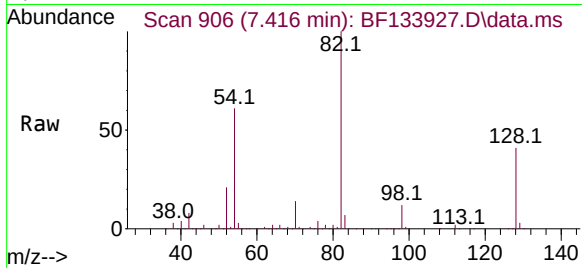
Tgt Ion:136 Resp: 396456
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.8 7.4 11.0
68 4.9 4.4 6.6





#23
Nitrobenzene-d5
Concen: 53.511 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

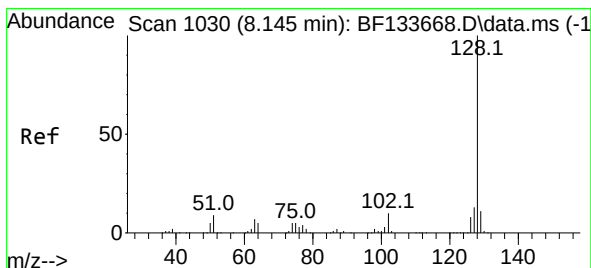
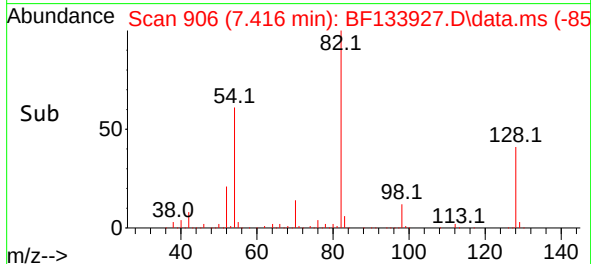
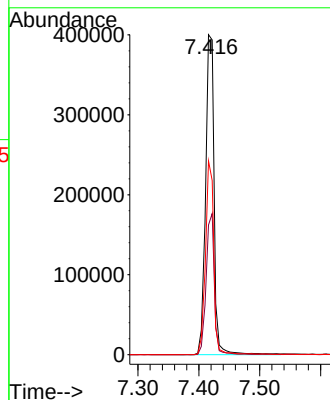


Tgt Ion: 82 Resp: 389498
Ion Ratio Lower Upper
82 100
128 40.6 34.2 51.2
54 60.5 46.5 69.7

Manual Integrations
APPROVED

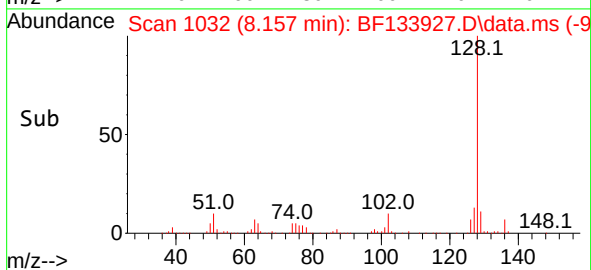
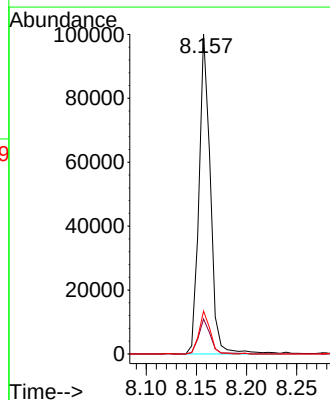
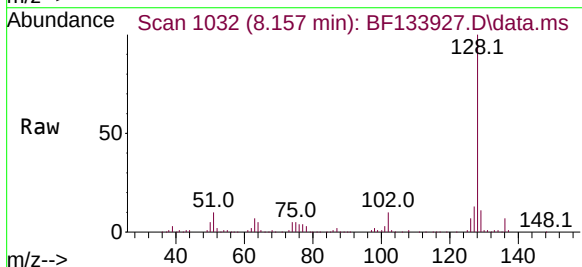
Reviewed By :Yogesh
Patel
06/23/2023

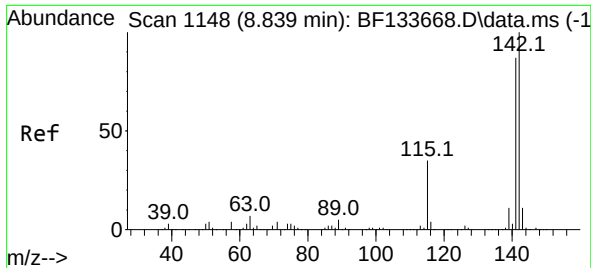
Supervised By :mohammad
ahmed
06/23/2023



#31
Naphthalene
Concen: 4.084 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:128 Resp: 78883
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.4 10.5 15.7





#37
2-Methylnaphthalene
Concen: 2.285 ng
RT: 8.851 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

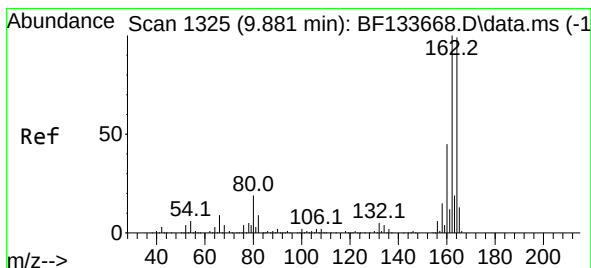
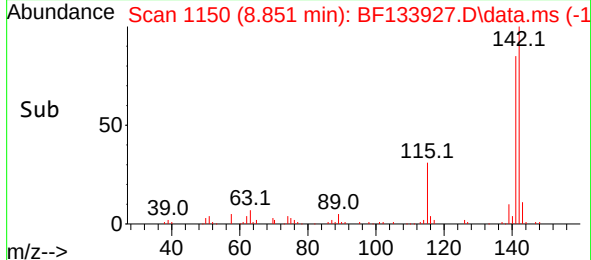
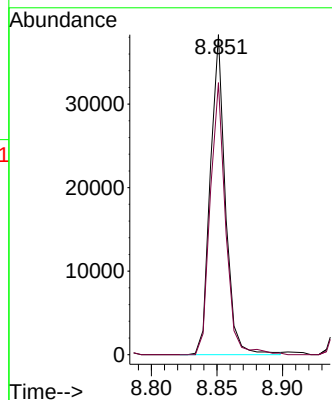
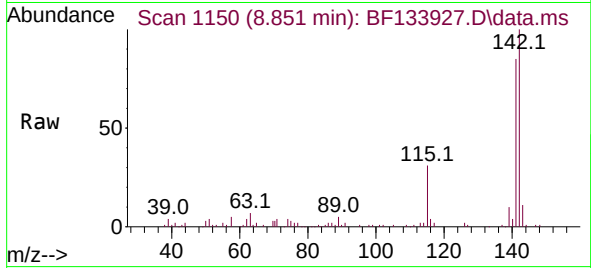
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

Tgt Ion:142 Resp: 30670
Ion Ratio Lower Upper
142 100
141 85.0 69.8 104.8

Manual Integrations
APPROVED

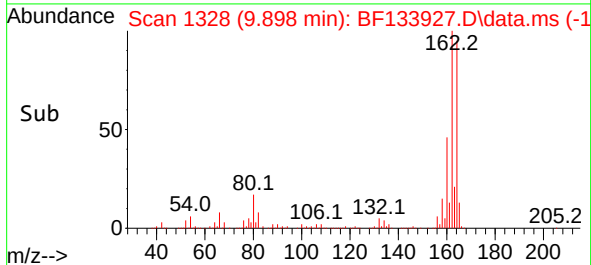
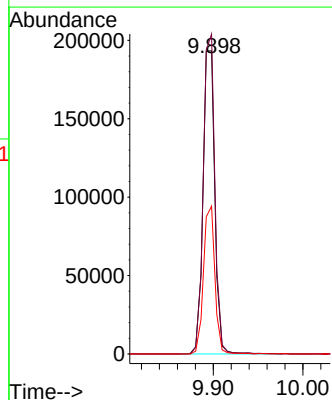
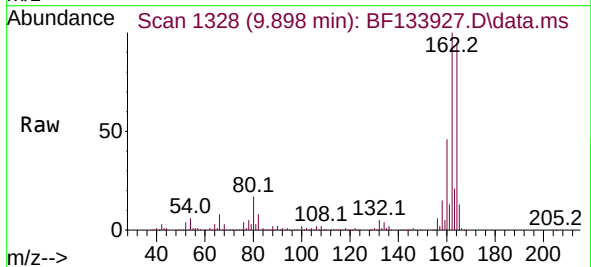
Reviewed By :Yogesh
Patel
06/23/2023

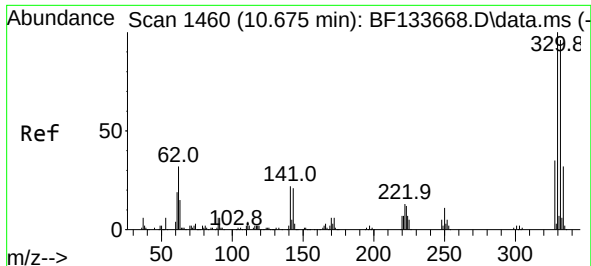
Supervised By :mohammad
ahmed
06/23/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

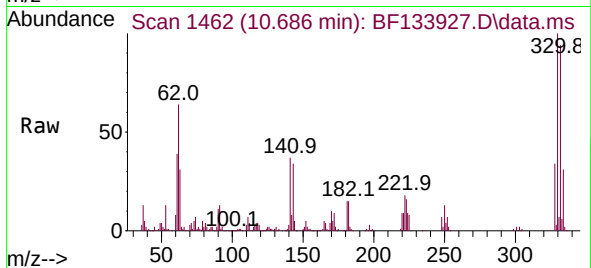
Tgt Ion:164 Resp: 176729
Ion Ratio Lower Upper
164 100
162 105.6 80.8 121.2
160 48.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 66.958 ng
RT: 10.686 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

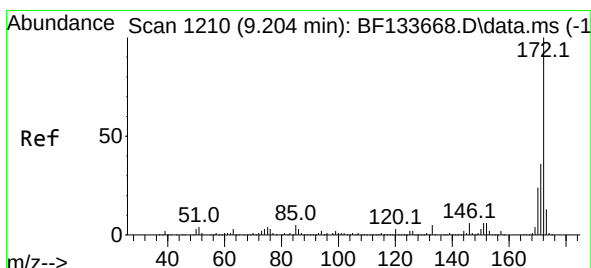
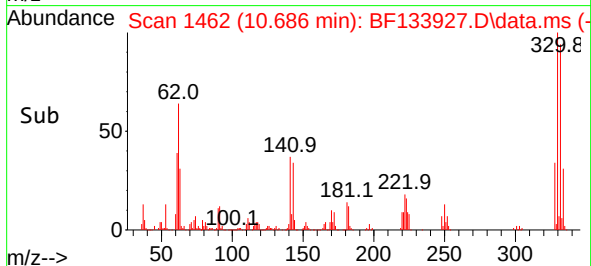
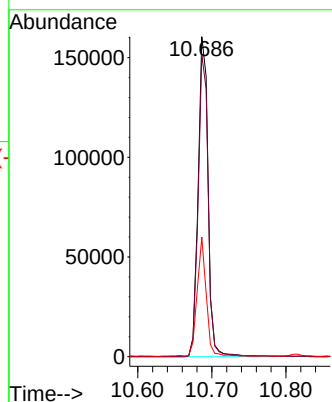


Tgt Ion: 330 Resp: 149789
Ion Ratio Lower Upper
330 100
332 94.7 77.2 115.8
141 34.2 24.9 37.3

Manual Integrations
APPROVED

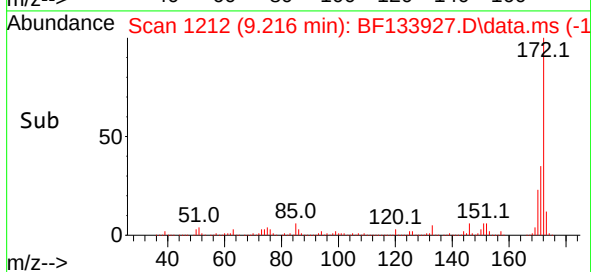
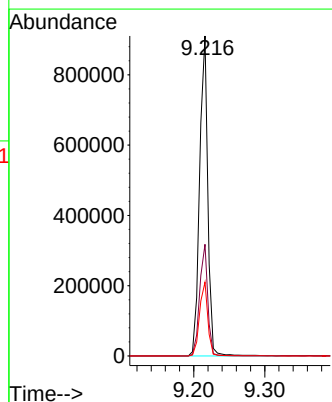
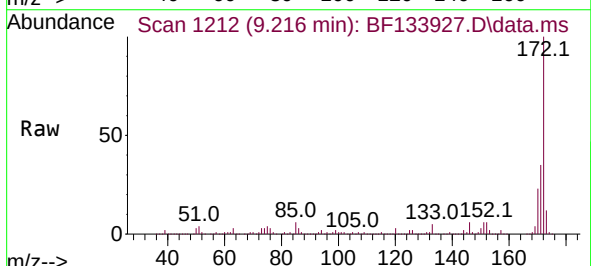
Reviewed By : Yogesh
Patel
06/23/2023

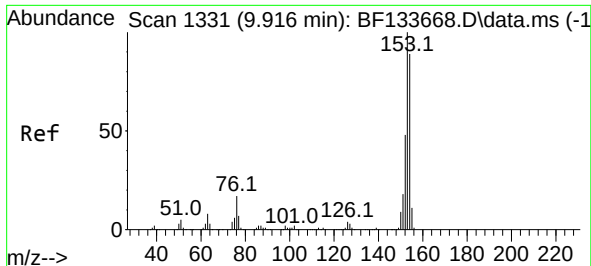
Supervised By : mohammad
ahmed
06/23/2023



#45
2-Fluorobiphenyl
Concen: 58.875 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

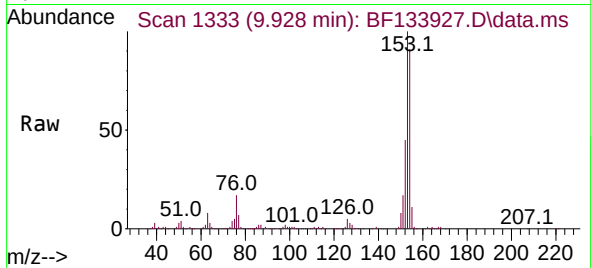
Tgt Ion: 172 Resp: 731954
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.1 19.1 28.7





#52
Acenaphthene
Concen: 6.274 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

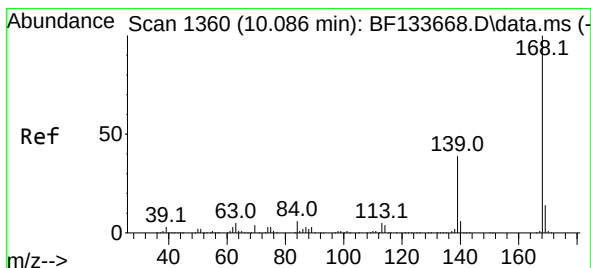
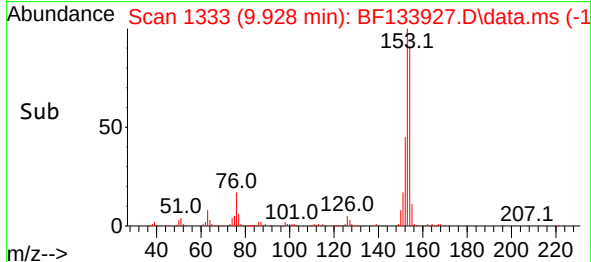
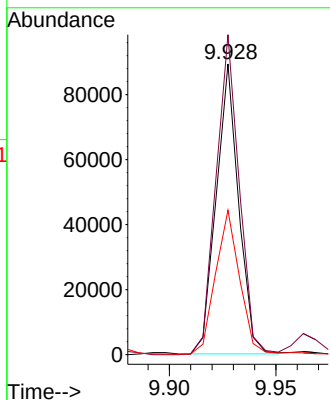


Tgt Ion:154 Resp: 6535
Ion Ratio Lower Upper
154 100
153 110.1 89.8 134.8
152 49.7 43.4 65.2

Manual Integrations
APPROVED

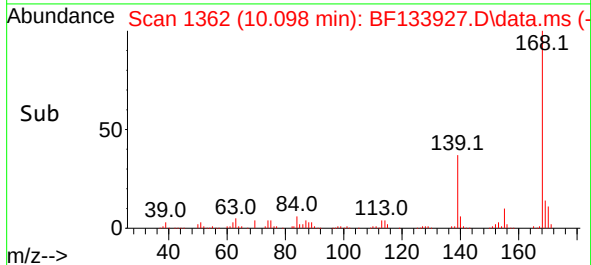
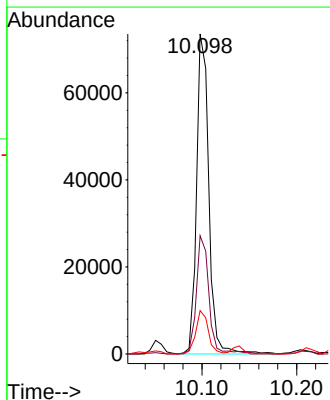
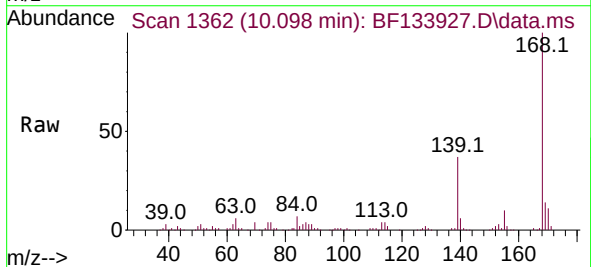
Reviewed By :Yogesh
Patel
06/23/2023

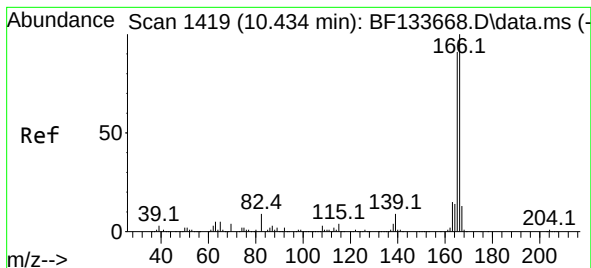
Supervised By :mohammad
ahmed
06/23/2023



#55
Dibenzofuran
Concen: 4.161 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:168 Resp: 66137
Ion Ratio Lower Upper
168 100
139 36.9 30.9 46.3
169 13.5 10.9 16.3





#58

Fluorene

Concen: 7.517 ng

RT: 10.445 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF133927.D

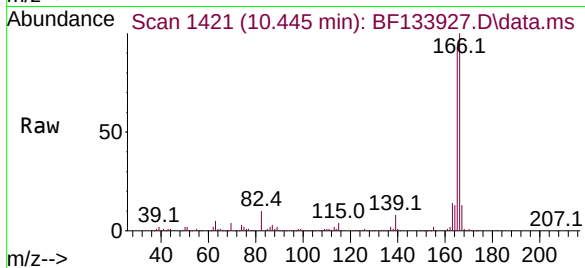
Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8



Tgt Ion:166 Resp: 9136

Ion Ratio Lower Upper

166 100

165 92.9 73.1 109.7

167 13.4 10.5 15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh

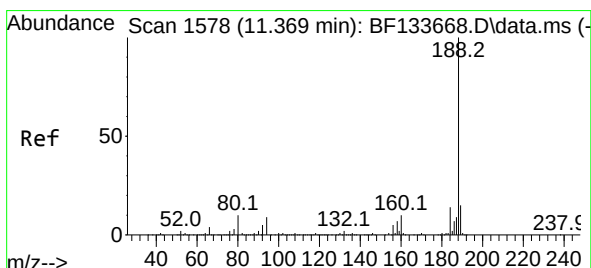
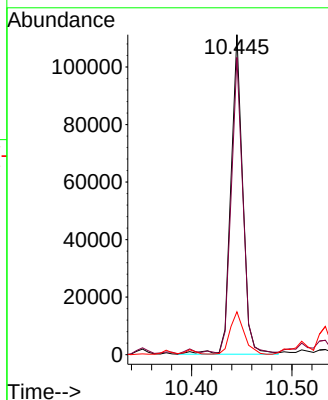
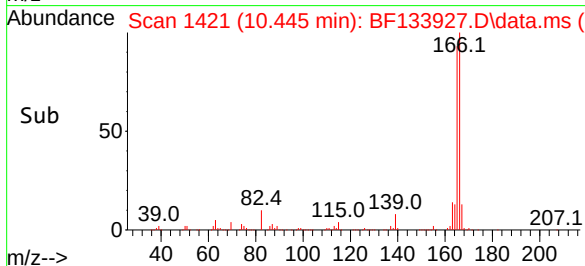
Patel

06/23/2023

Supervised By :mohammad

ahmed

06/23/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

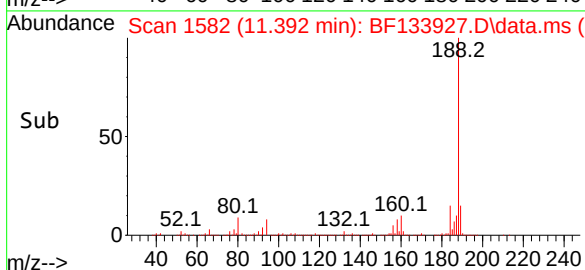
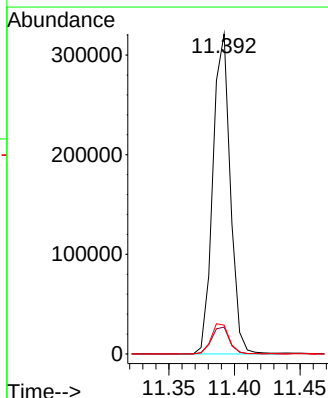
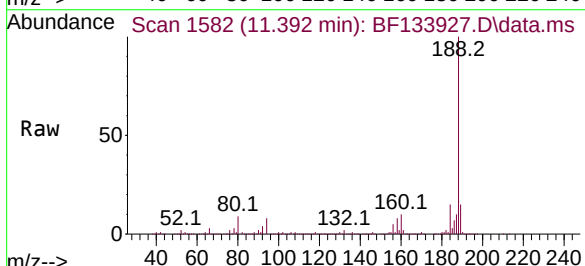
Tgt Ion:188 Resp: 296928

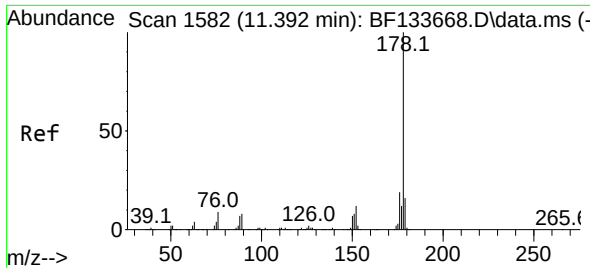
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

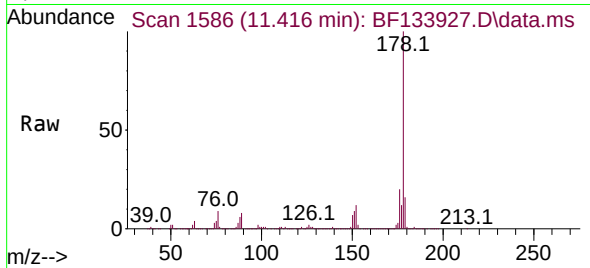
80 9.0 7.8 11.6





#71
Phenanthrene
Concen: 56.613 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

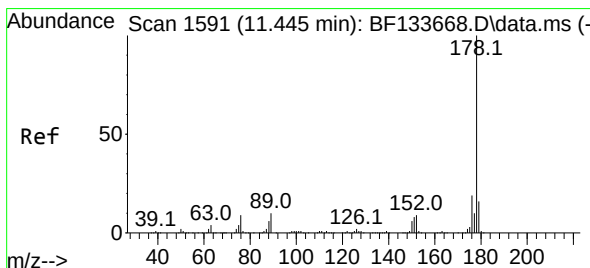
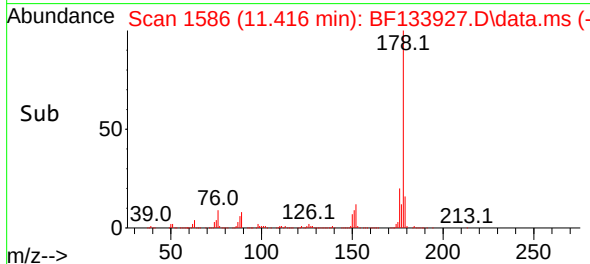
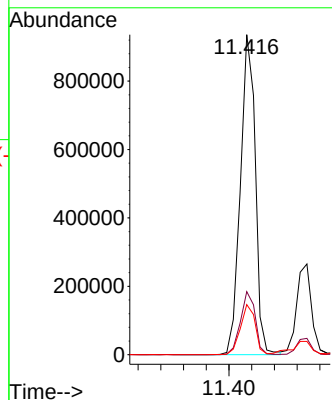


Tgt Ion:178 Resp: 85286
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.7 12.4 18.6

Manual Integrations
APPROVED

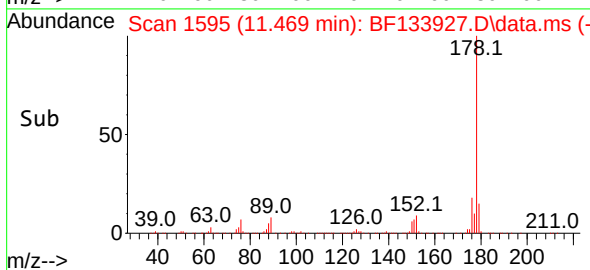
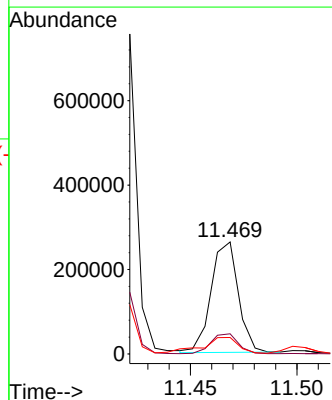
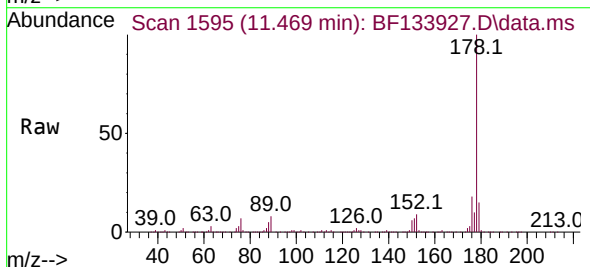
Reviewed By :Yogesh
Patel
06/23/2023

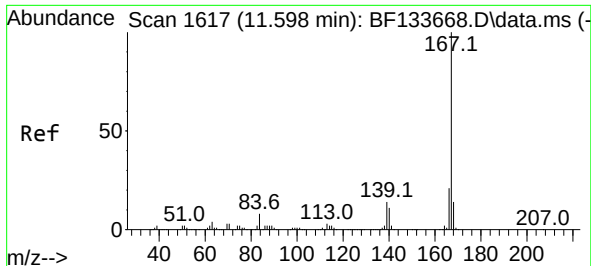
Supervised By :mohammad
ahmed
06/23/2023



#72
Anthracene
Concen: 14.828 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

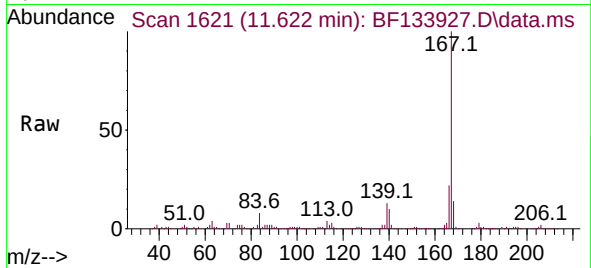
Tgt Ion:178 Resp: 232920
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 14.7 12.6 18.8





#73
 Carbazole
 Concen: 6.534 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133927.D
 Acq: 23 Jun 2023 05:14

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW02-0-8

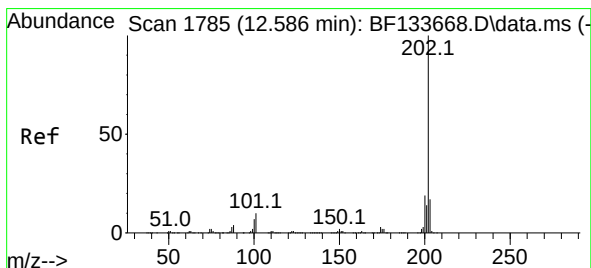
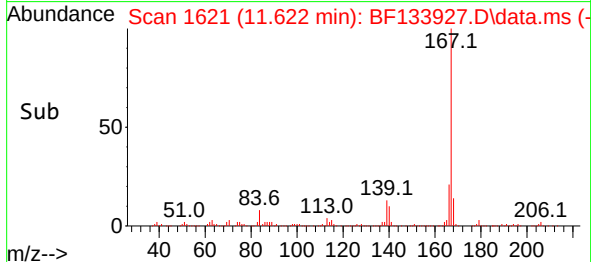
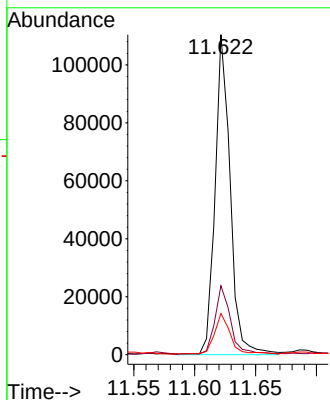


Tgt Ion:167 Resp: 95590
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 12.9 11.2 16.8

Manual Integrations
 APPROVED

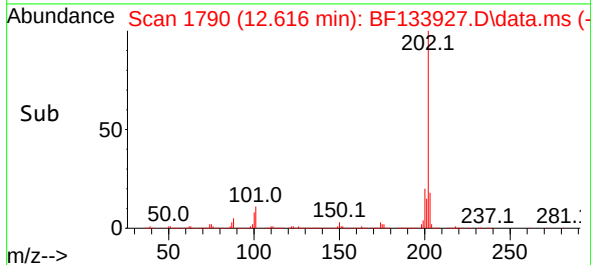
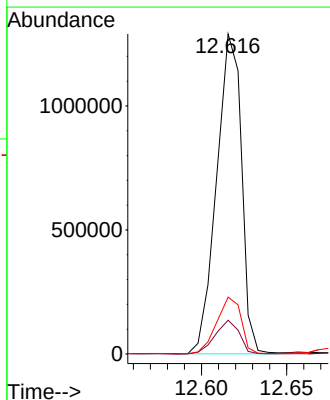
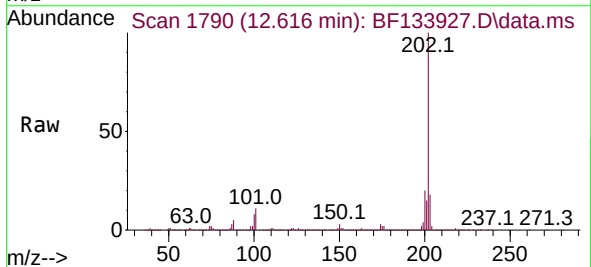
Reviewed By :Yogesh
 Patel
 06/23/2023

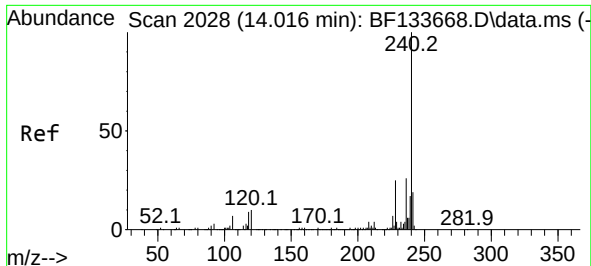
Supervised By :mohammad
 ahmed
 06/23/2023



#75
 Fluoranthene
 Concen: 82.022 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF133927.D
 Acq: 23 Jun 2023 05:14

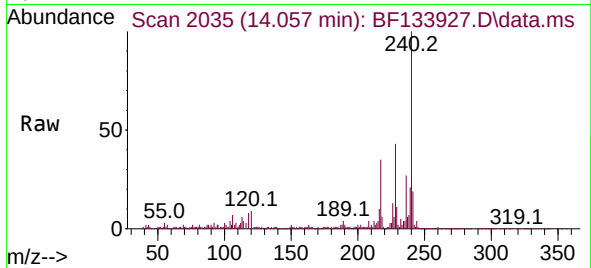
Tgt Ion:202 Resp: 1312152
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.6
 203 17.8 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

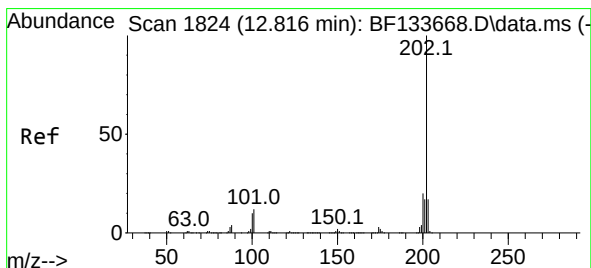
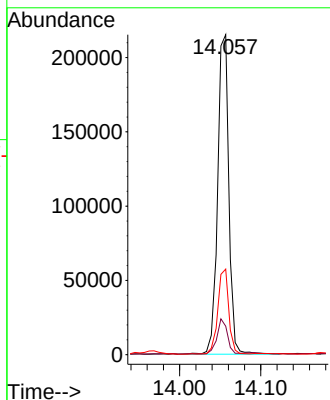
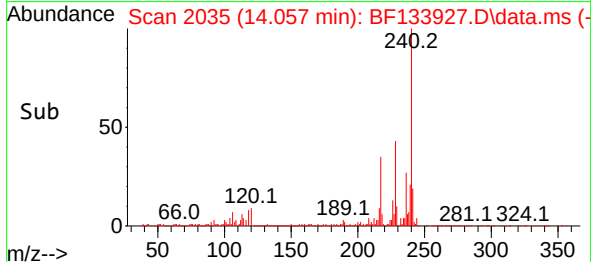


Tgt Ion:240 Resp: 206720
Ion Ratio Lower Upper
240 100
120 8.9 8.1 12.1
236 26.8 20.5 30.7

Manual Integrations
APPROVED

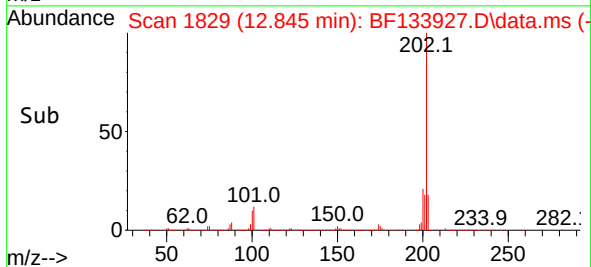
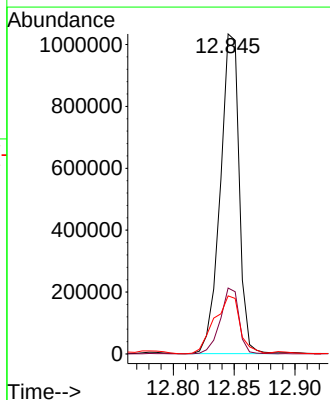
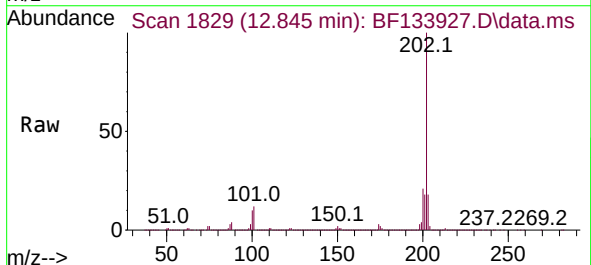
Reviewed By :Yogesh
Patel
06/23/2023

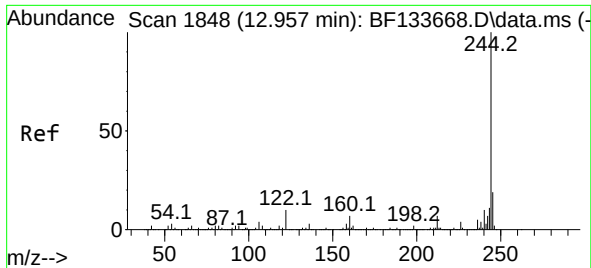
Supervised By :mohammad
ahmed
06/23/2023



#78
Pyrene
Concen: 58.211 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

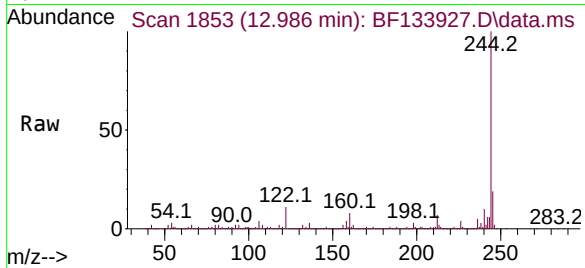
Tgt Ion:202 Resp: 1120950
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.2
203 18.1 13.9 20.9





#79
Terphenyl-d14
Concen: 48.459 ng
RT: 12.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

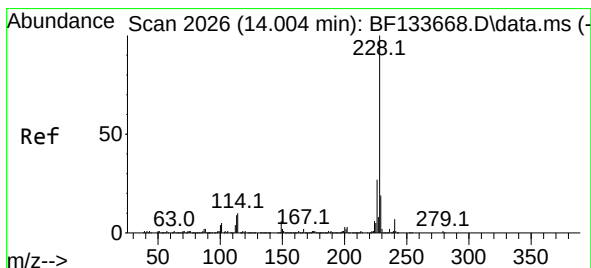
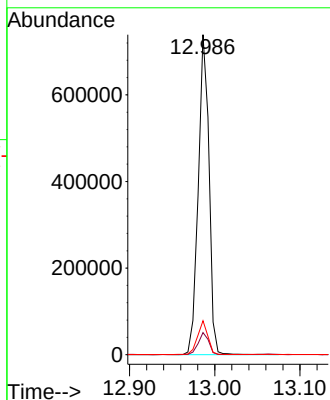
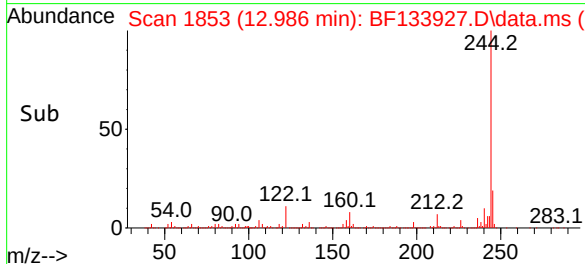


Tgt Ion:244 Resp: 64739
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.2
122 10.6 8.1 12.1

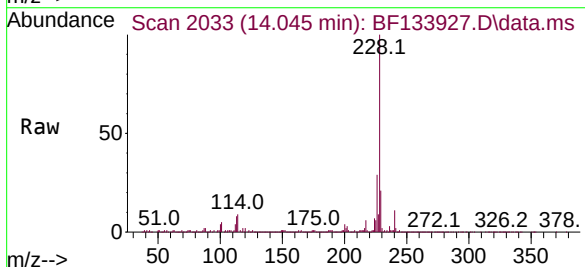
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
06/23/2023

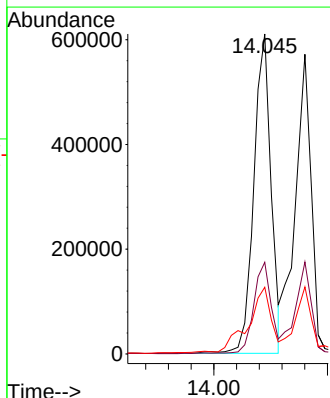
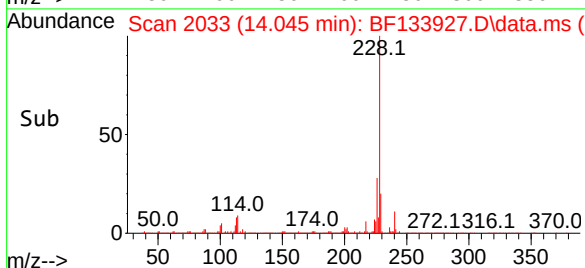
Supervised By :mohammad
ahmed
06/23/2023

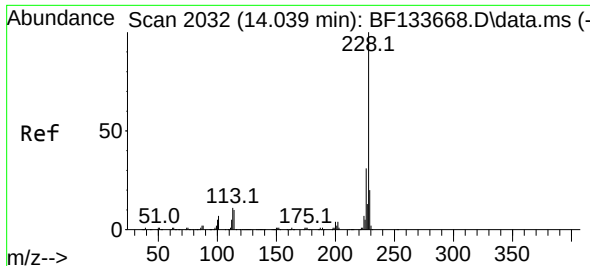


#81
Benzo(a)anthracene
Concen: 44.873 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14



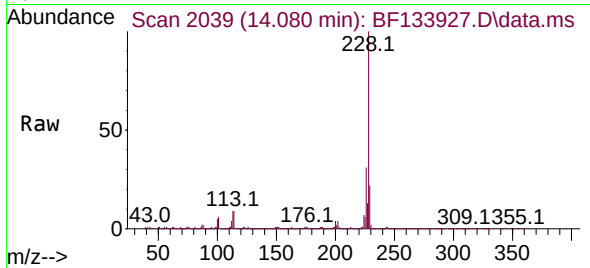
Tgt Ion:228 Resp: 641638
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 20.8 15.4 23.2





#83
Chrysene
Concen: 41.576 ng m
RT: 14.080 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

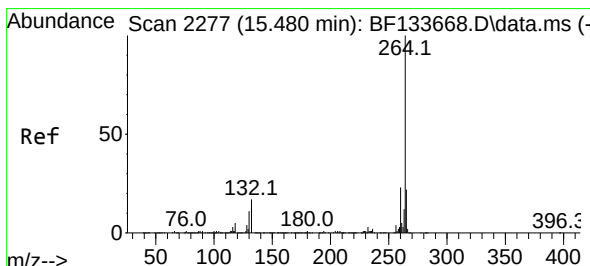
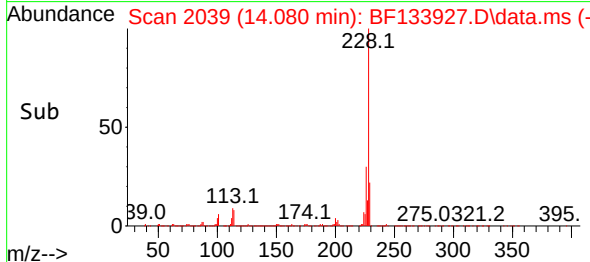
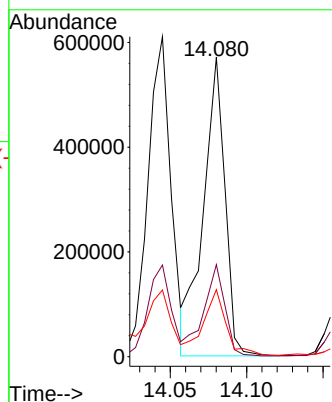


Tgt Ion:228 Resp: 56228
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 22.4 15.8 23.8

Manual Integrations
APPROVED

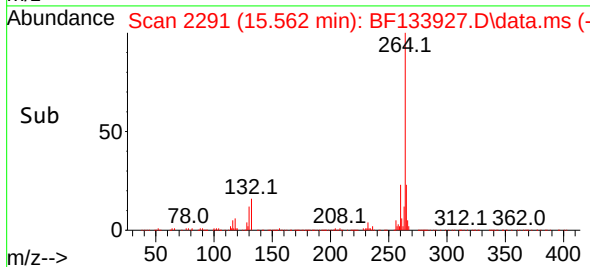
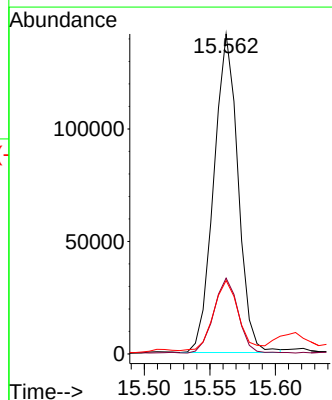
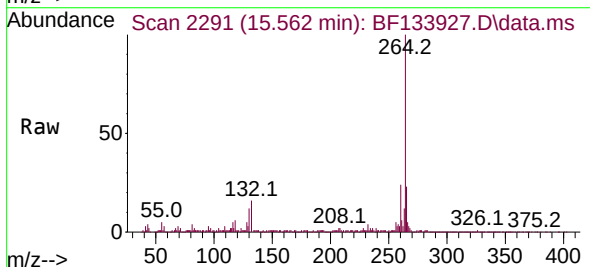
Reviewed By :Yogesh
Patel
06/23/2023

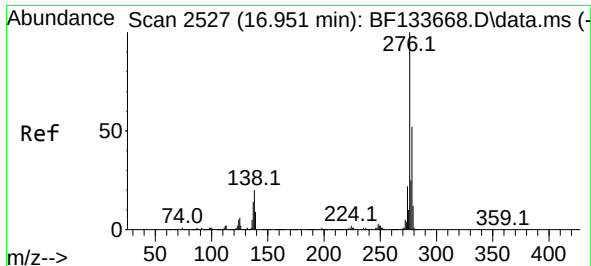
Supervised By :mohammad
ahmed
06/23/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.000 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

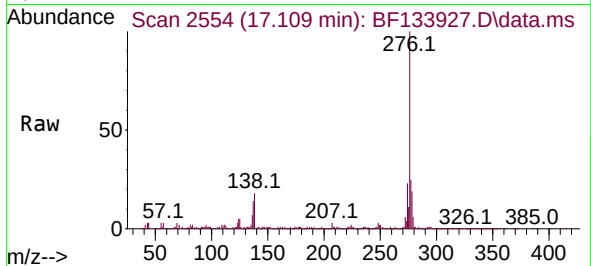
Tgt Ion:264 Resp: 182004
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.2
265 22.9 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.253 ng
RT: 17.109 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

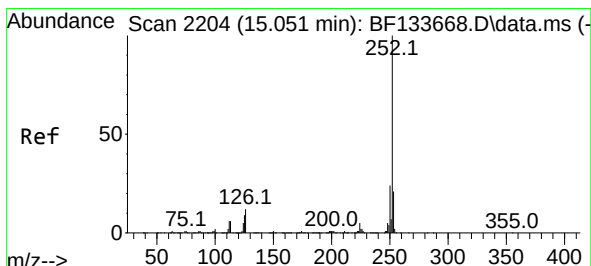
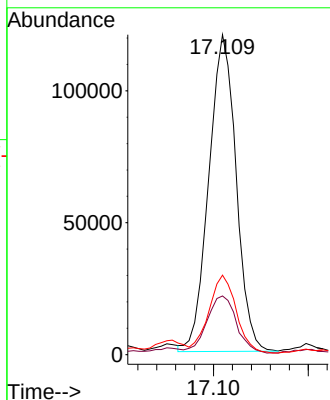
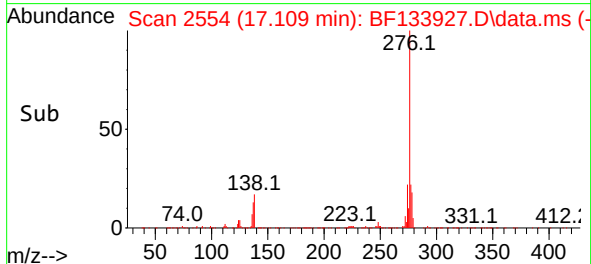


Tgt Ion:276 Resp: 241074
Ion Ratio Lower Upper
276 100
138 19.4 17.9 26.9
277 24.6 20.3 30.5

Manual Integrations
APPROVED

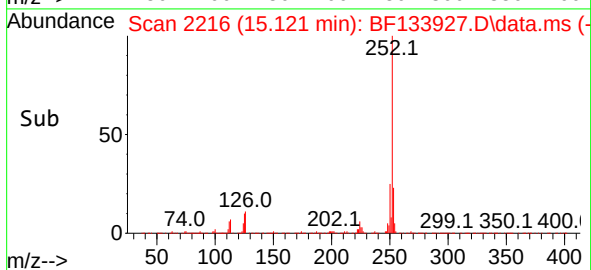
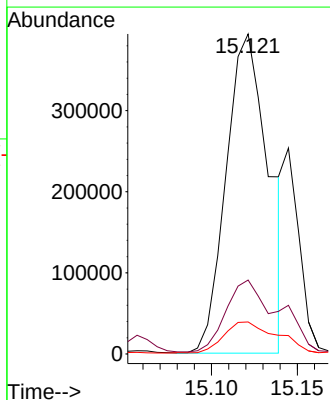
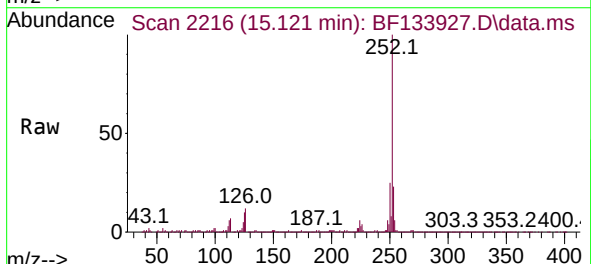
Reviewed By :Yogesh
Patel
06/23/2023

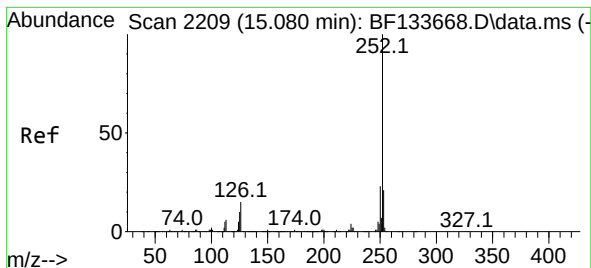
Supervised By :mohammad
ahmed
06/23/2023



#88
Benzo(b)fluoranthene
Concen: 61.236 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:252 Resp: 677021
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 10.0 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 14.868 ng m

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW02-0-8

Tgt Ion:252 Resp: 160125
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.0 25.4
 125 8.9 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh

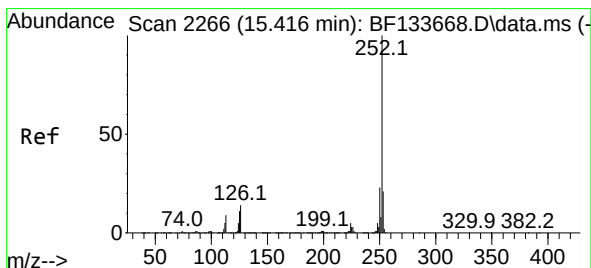
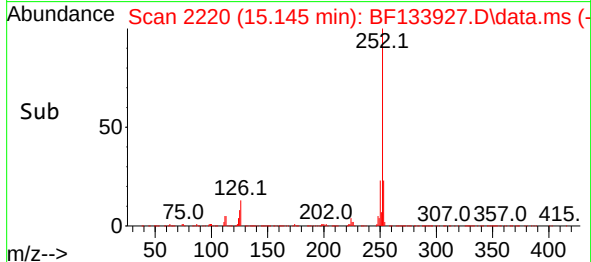
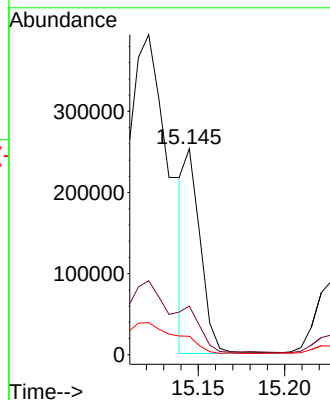
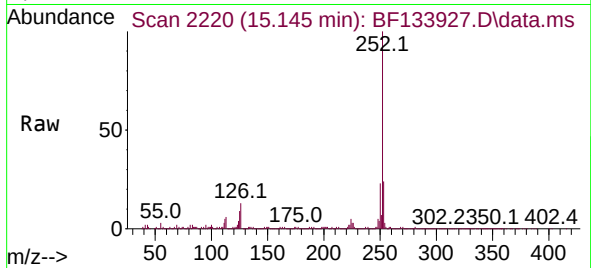
Patel

06/23/2023

Supervised By :mohammad

ahmed

06/23/2023



#90

Benzo(a)pyrene

Concen: 41.649 ng

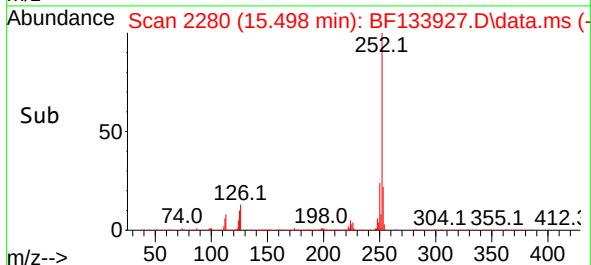
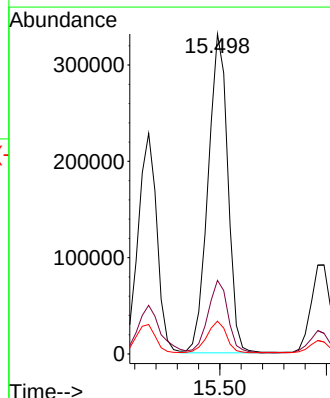
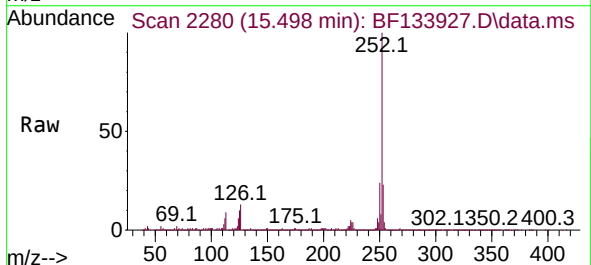
RT: 15.498 min Scan# 2280

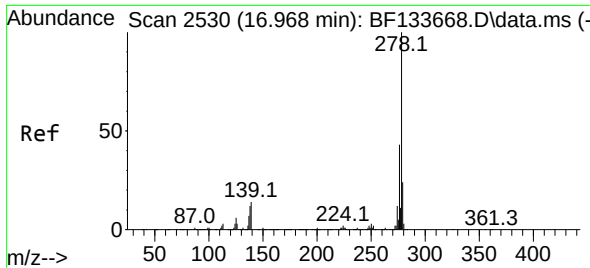
Delta R.T. 0.000 min

Lab File: BF133927.D

Acq: 23 Jun 2023 05:14

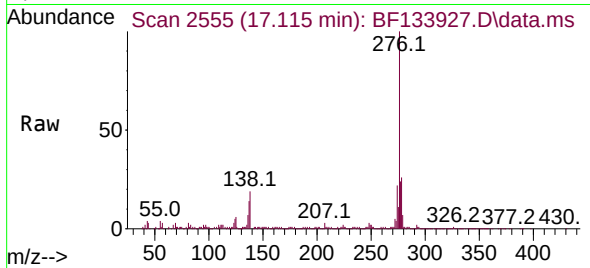
Tgt Ion:252 Resp: 427354
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 10.3 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 6.100 ng m
RT: 17.115 min Scan# 2635
Delta R.T. -0.023 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW02-0-8

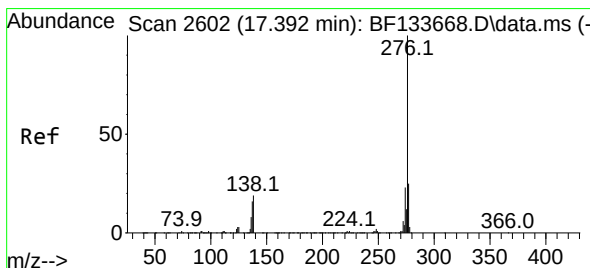
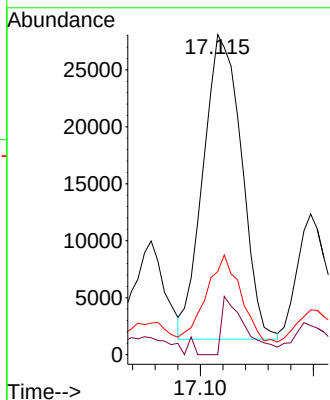
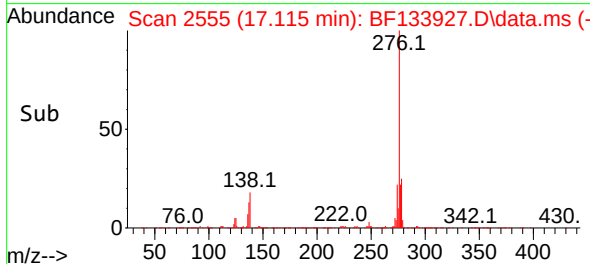


Tgt Ion:278 Resp: 6323
Ion Ratio Lower Upper
278 100
139 0.0 11.4 17.2
279 25.9 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
06/23/2023

Supervised By :mohammad
ahmed
06/23/2023



#92
Benzo(g,h,i)perylene
Concen: 21.074 ng
RT: 17.586 min Scan# 2635
Delta R.T. -0.006 min
Lab File: BF133927.D
Acq: 23 Jun 2023 05:14

Tgt Ion:276 Resp: 216596
Ion Ratio Lower Upper
276 100
277 22.8 19.8 29.8
138 19.7 15.0 22.4

