

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133925.D
 Acq On : 23 Jun 2023 04:10
 Operator : CG\JU
 Sample : 03329-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-8-15

Quant Time: Jun 23 05:07:45 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

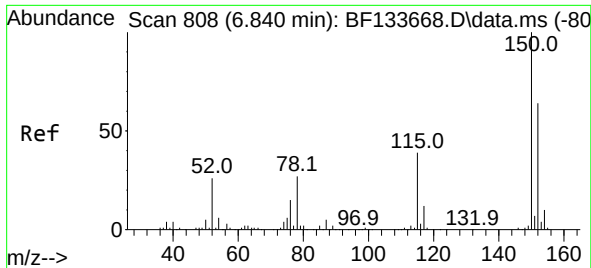
Manual Integrations APPROVED

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

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

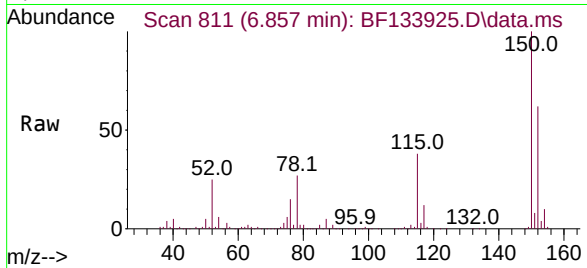
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	109697	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	405237	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	184136	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	292076	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212659	20.000	ng	0.00
86) Perylene-d12	15.557	264	194017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	548481	87.044	ng	0.00
7) Phenol-d6	6.492	99	653271	79.648	ng	0.00
23) Nitrobenzene-d5	7.416	82	444038	59.682	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	166282	71.340	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	812462	62.721	ng	0.00
79) Terphenyl-d14	12.986	244	663299	48.263	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.928	154	37195	3.427	ng	96
58) Fluorene	10.445	166	42811	3.381	ng	99
71) Phenanthrene	11.416	178	514347	34.710	ng	100
72) Anthracene	11.463	178	138626	8.972	ng	98
73) Carbazole	11.622	167	60910	4.233	ng	99
75) Fluoranthene	12.616	202	933130	59.298	ng	100
78) Pyrene	12.845	202	862127	43.520	ng	100
81) Benzo(a)anthracene	14.039	228	503348	34.219	ng	98
83) Chrysene	14.074	228	420347	30.213	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	98535	9.569	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	172052	12.890	ng	97
88) Benzo(b)fluoranthene	15.115	252	510210m	43.291	ng	
89) Benzo(k)fluoranthene	15.139	252	153595m	13.379	ng	
90) Benzo(a)pyrene	15.498	252	343078	31.366	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	42303	3.828	ng	# 91
92) Benzo(g,h,i)perylene	17.574	276	159433	14.552	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

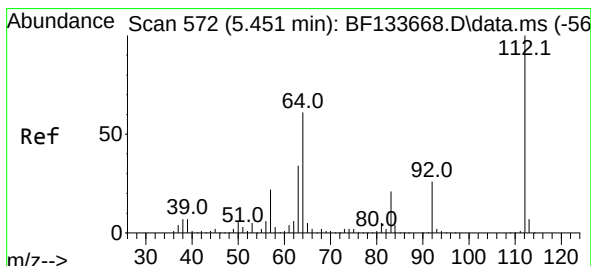
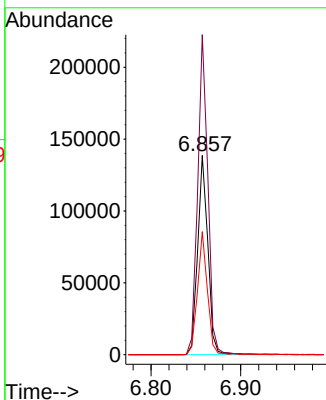
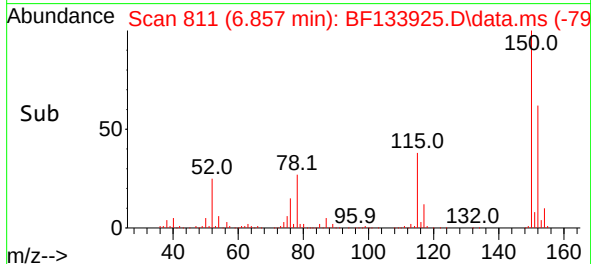
Instrument :
BNA_F
ClientSampleId :
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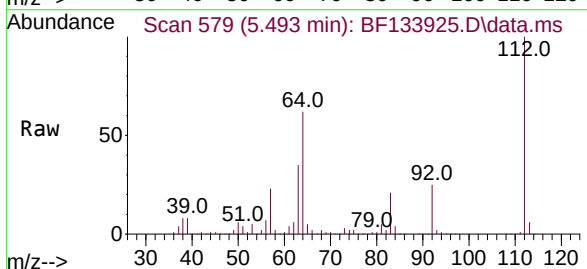
Tgt Ion:152 Resp: 10969
Ion Ratio Lower Upper
152 100
150 160.7 124.3 186.5
115 61.8 48.5 72.7

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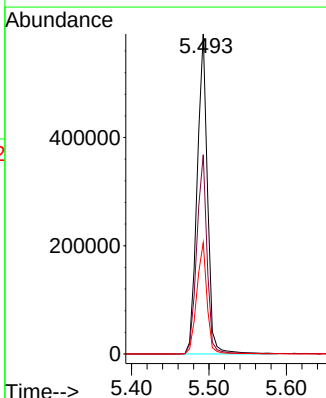
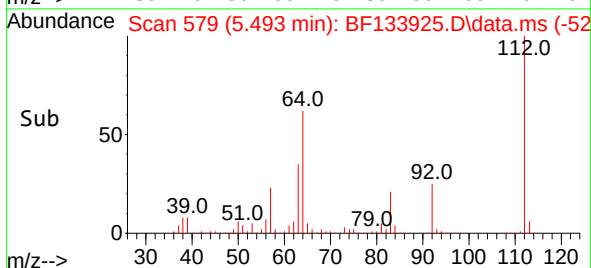
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

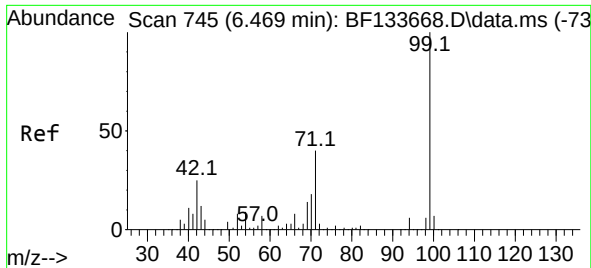


#5
2-Fluorophenol
Concen: 87.044 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10



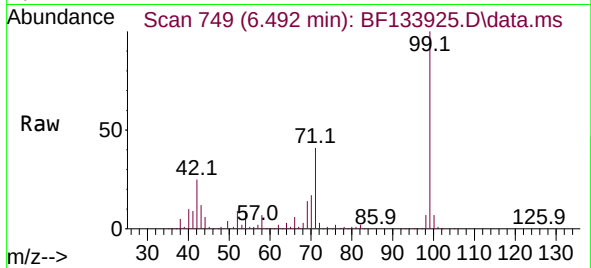
Tgt Ion:112 Resp: 548481
Ion Ratio Lower Upper
112 100
64 62.3 49.0 73.4
63 34.8 26.8 40.2





#7
Phenol-d6
Concen: 79.648 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

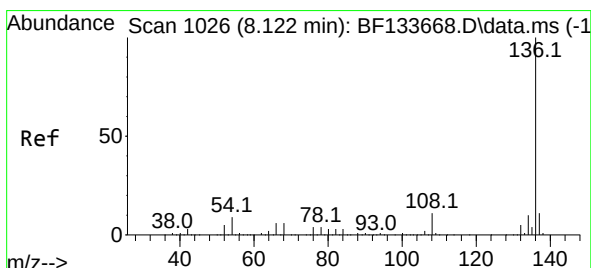
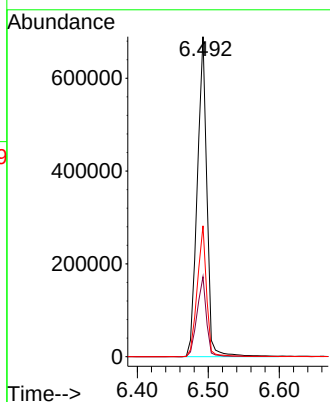
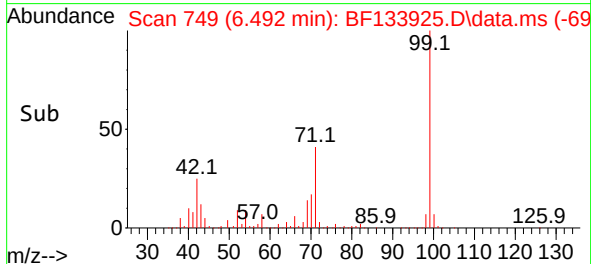
Instrument :
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ClientSampleId :
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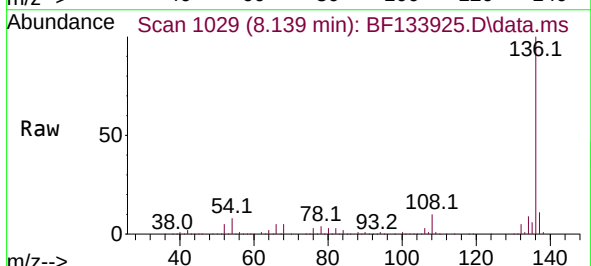
Tgt Ion: 99 Resp: 65327
Ion Ratio Lower Upper
99 100
42 25.0 19.9 29.9
71 40.9 32.2 48.4

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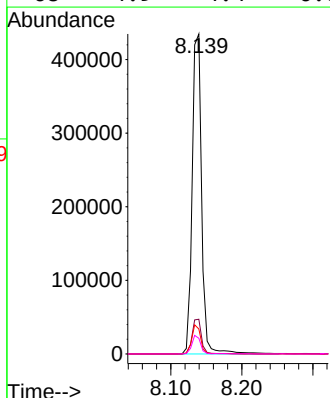
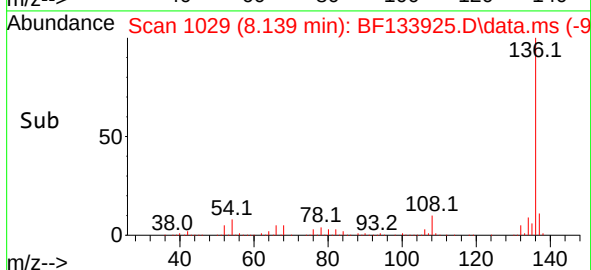
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

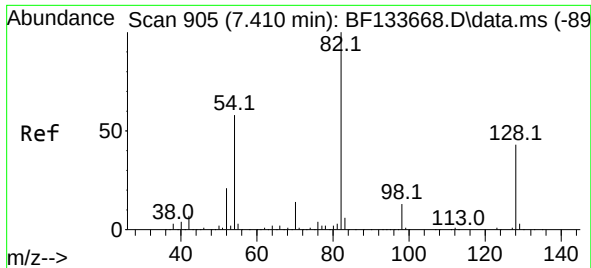


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10



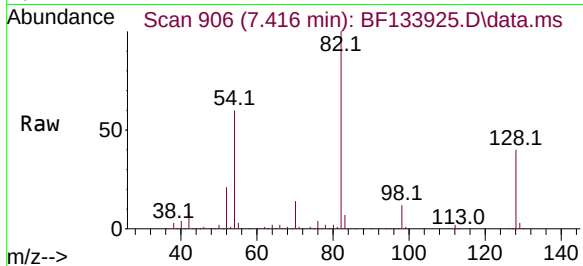
Tgt Ion:136 Resp: 405237
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 7.4 11.0
68 4.9 4.4 6.6





#23
Nitrobenzene-d5
Concen: 59.682 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

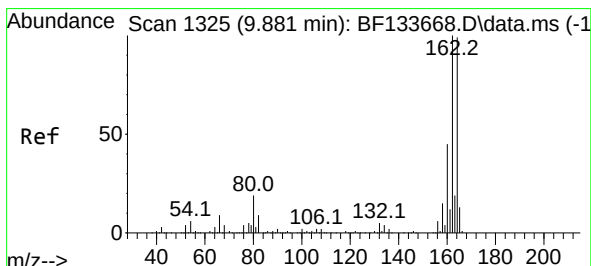
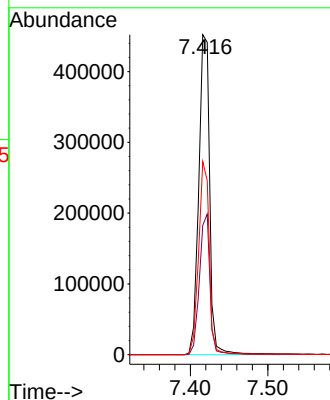
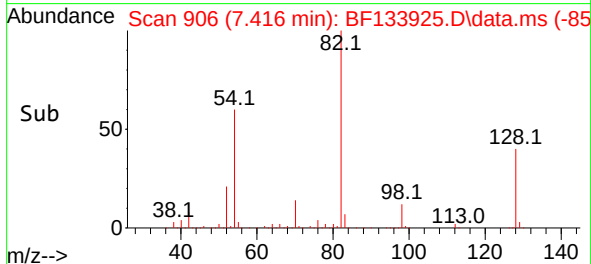
Instrument :
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Tgt Ion: 82 Resp: 444038
Ion Ratio Lower Upper
82 100
128 40.4 34.2 51.2
54 60.4 46.5 69.7

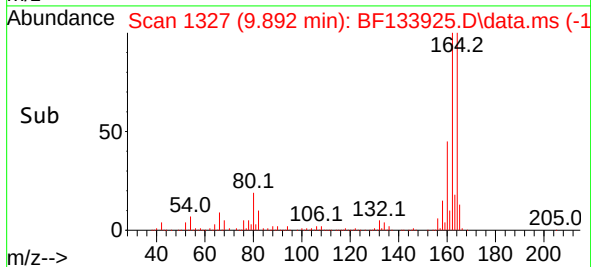
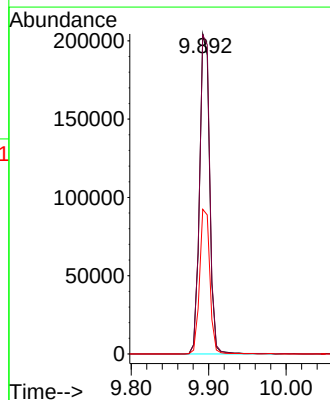
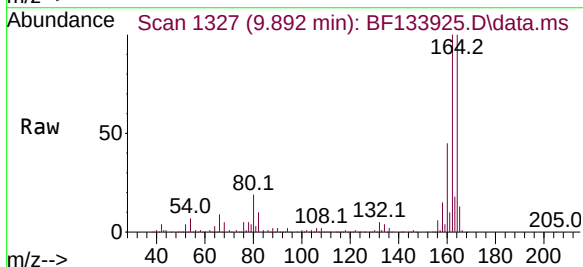
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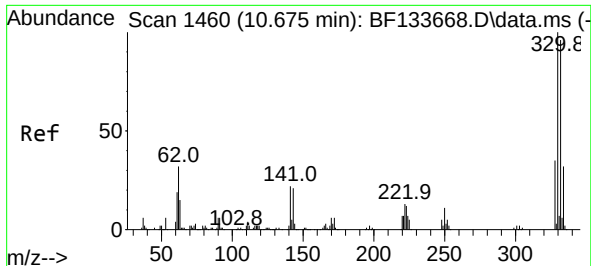
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

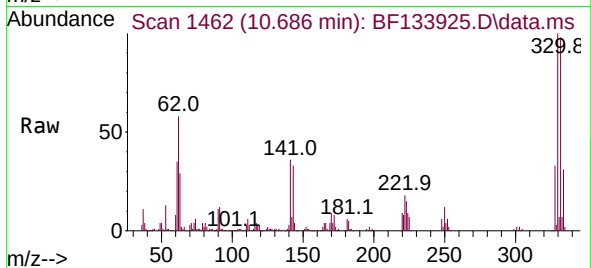
Tgt Ion:164 Resp: 184136
Ion Ratio Lower Upper
164 100
162 99.7 80.8 121.2
160 45.2 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 71.340 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

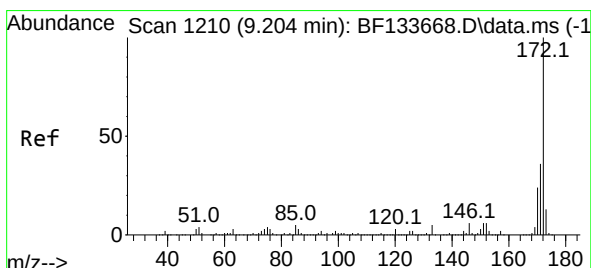
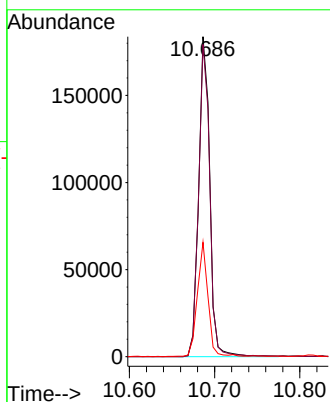
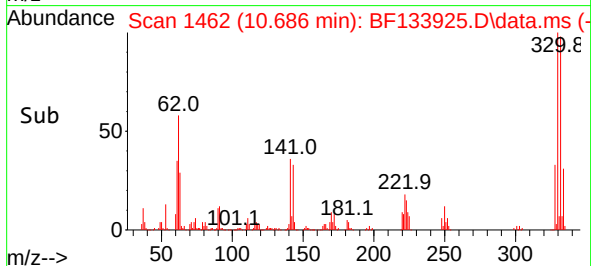
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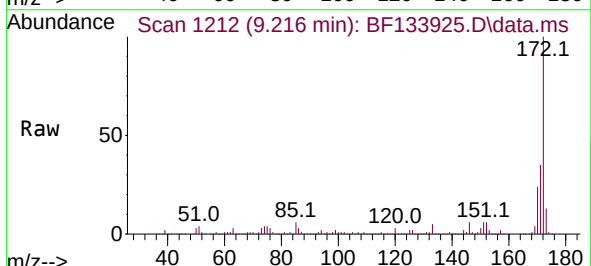
Tgt Ion:330 Resp: 16628
Ion Ratio Lower Upper
330 100
332 98.2 77.2 115.8
141 34.7 24.9 37.3

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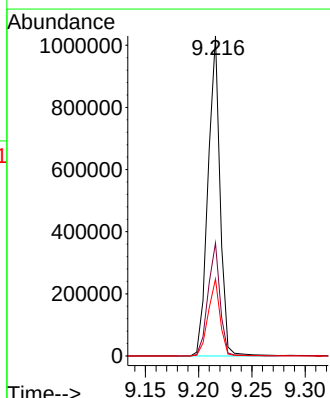
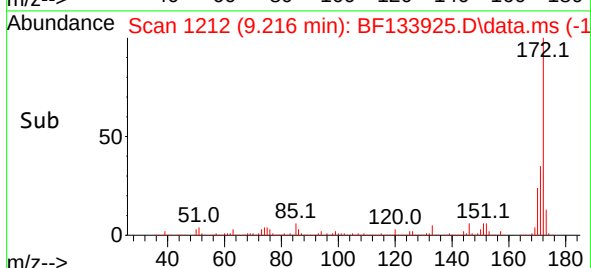
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

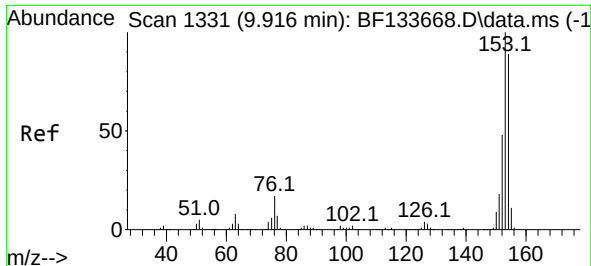


#45
2-Fluorobiphenyl
Concen: 62.721 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10



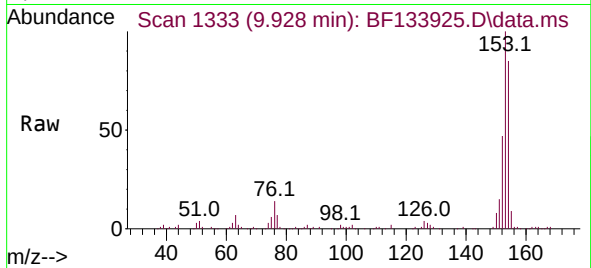
Tgt Ion:172 Resp: 812462
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.1 19.1 28.7





#52
Acenaphthene
Concen: 3.427 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

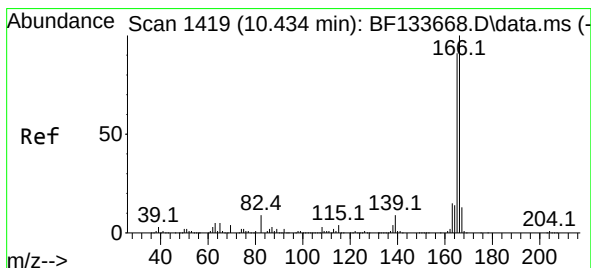
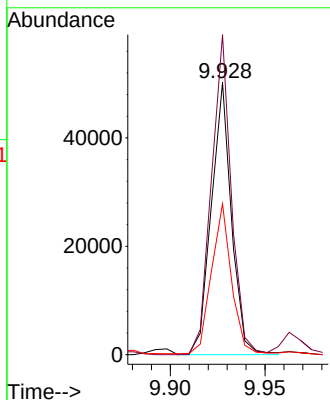
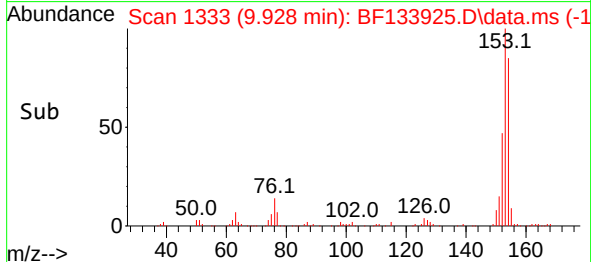
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15



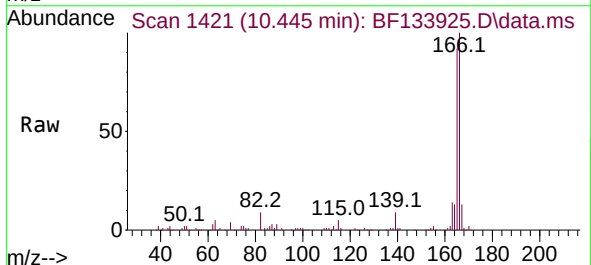
Tgt Ion:154 Resp: 3719
Ion Ratio Lower Upper
154 100
153 117.5 89.8 134.8
152 55.4 43.4 65.2

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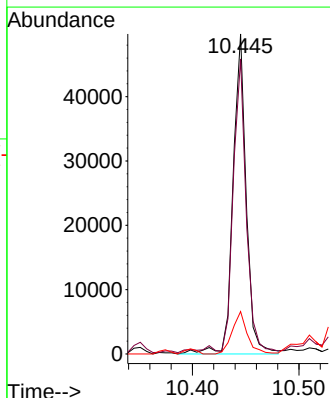
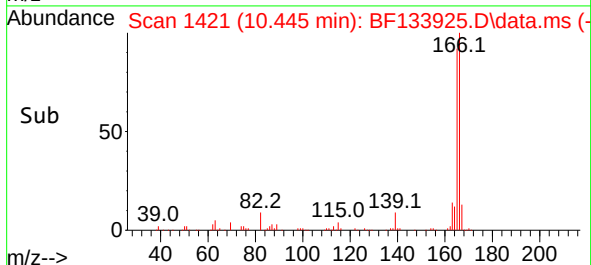
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

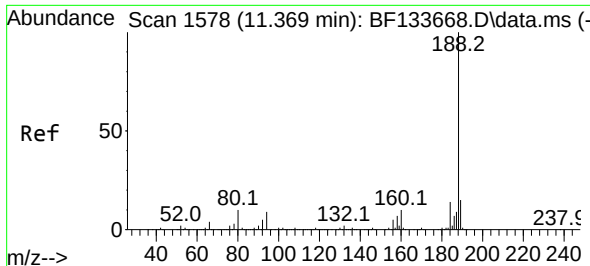


#58
Fluorene
Concen: 3.381 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10



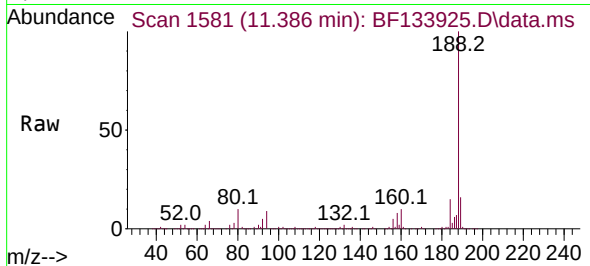
Tgt Ion:166 Resp: 42811
Ion Ratio Lower Upper
166 100
165 92.2 73.1 109.7
167 13.3 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

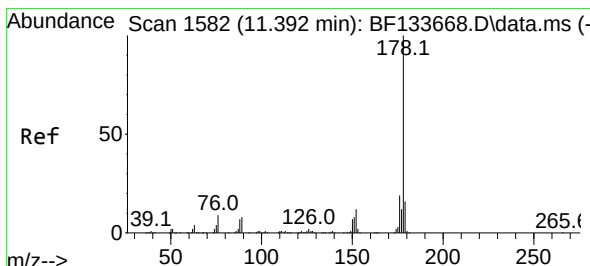
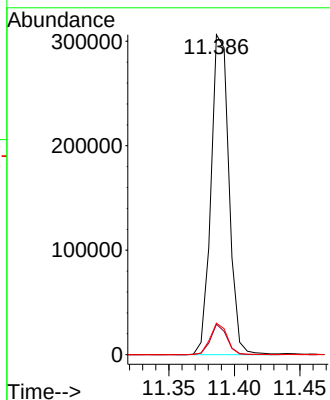
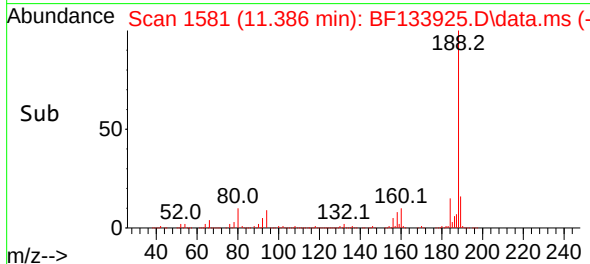
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15



Tgt Ion:188 Resp: 292070
Ion Ratio Lower Upper
188 100
94 9.5 6.8 10.2
80 9.9 7.8 11.6

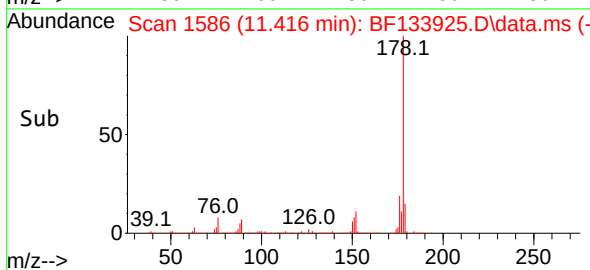
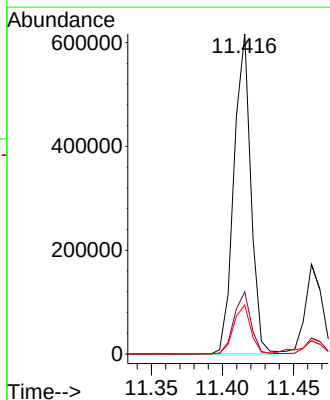
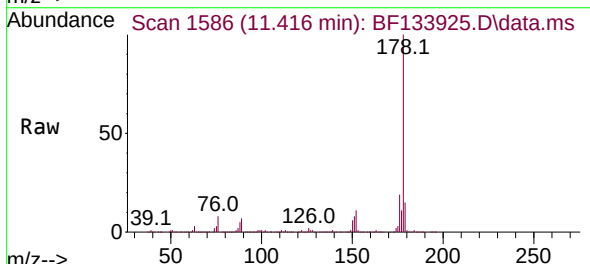
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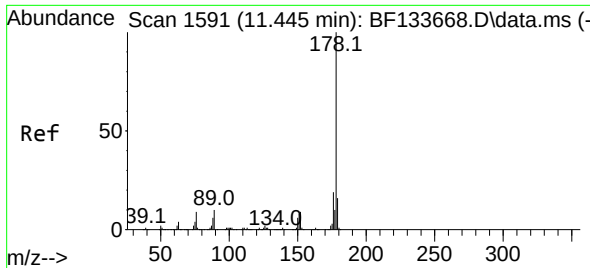
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#71
Phenanthrene
Concen: 34.710 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

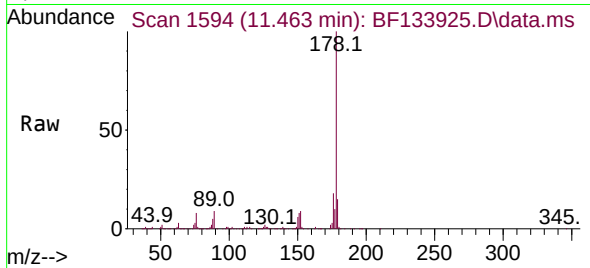
Tgt Ion:178 Resp: 514347
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.3 12.4 18.6





#72
 Anthracene
 Concen: 8.972 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133925.D
 Acq: 23 Jun 2023 04:10

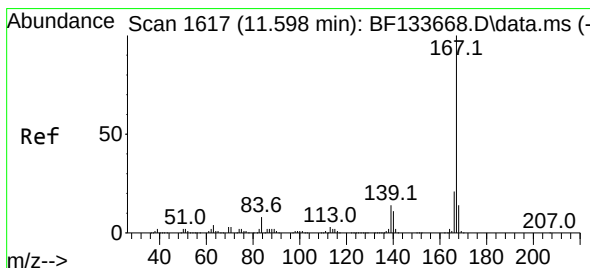
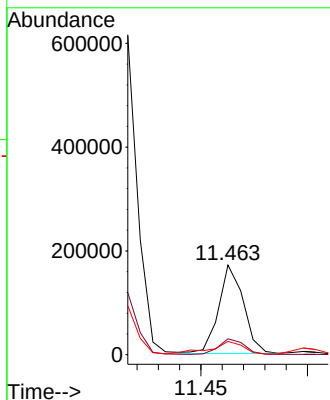
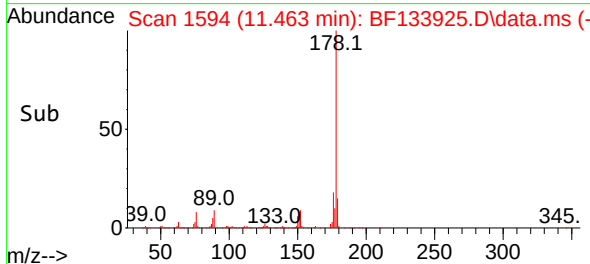
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SW01-8-15



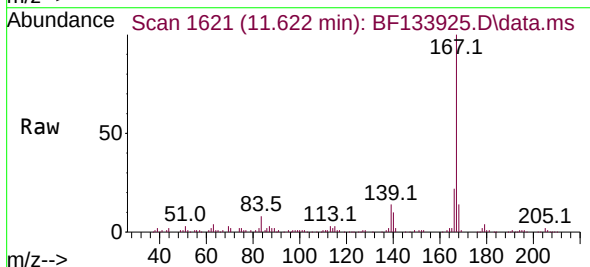
Tgt Ion:178 Resp: 138620
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.1 22.7
 179 14.8 12.6 18.8

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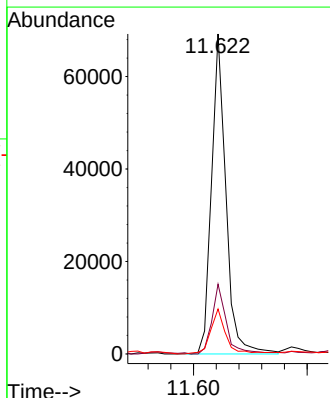
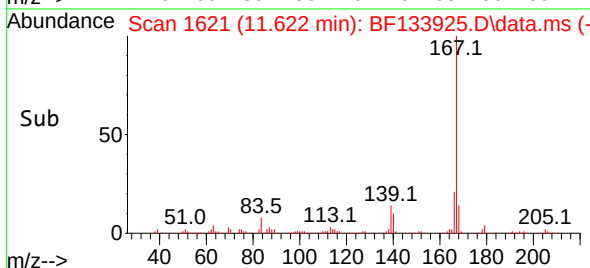
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

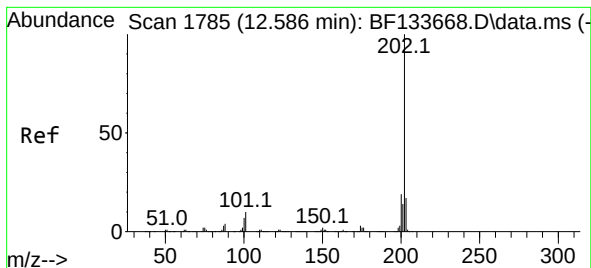


#73
 Carbazole
 Concen: 4.233 ng
 RT: 11.622 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF133925.D
 Acq: 23 Jun 2023 04:10



Tgt Ion:167 Resp: 60910
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 14.0 11.2 16.8





#75

Fluoranthene

Concen: 59.298 ng

RT: 12.616 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133925.D

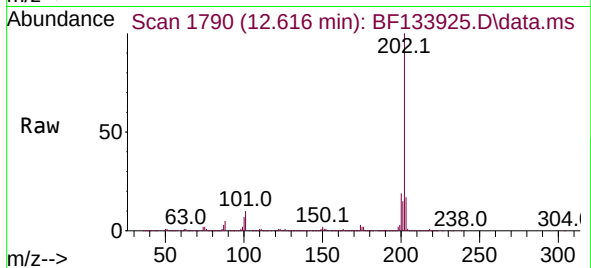
Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15



Tgt Ion:202 Resp: 933130

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.6

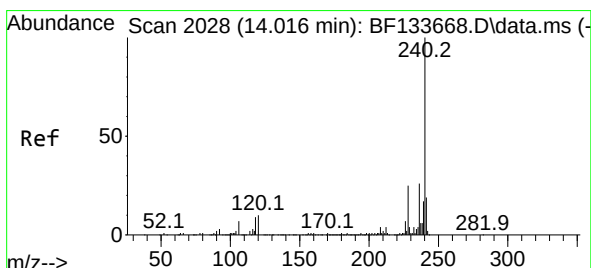
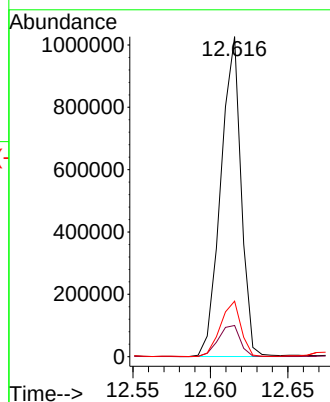
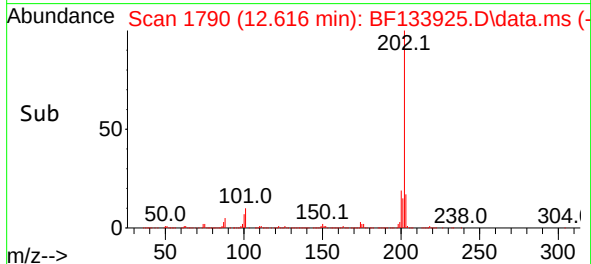
203 17.4 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

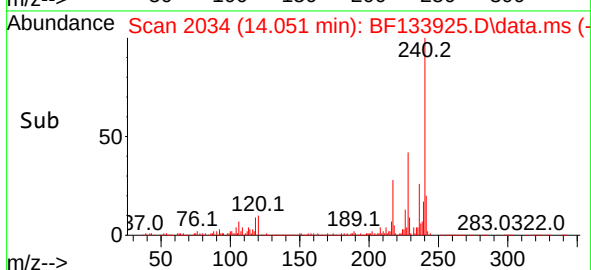
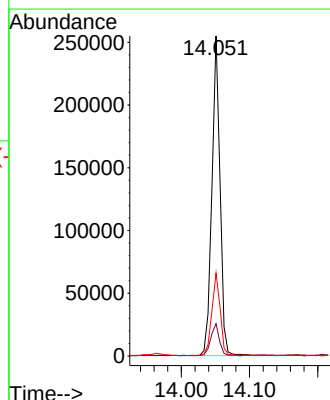
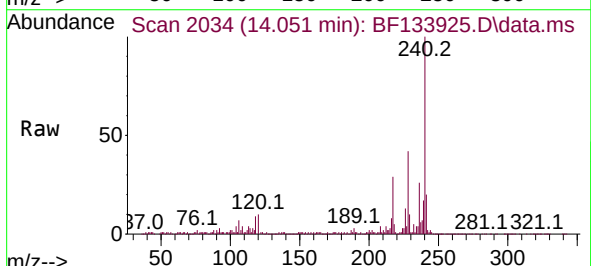
Tgt Ion:240 Resp: 212659

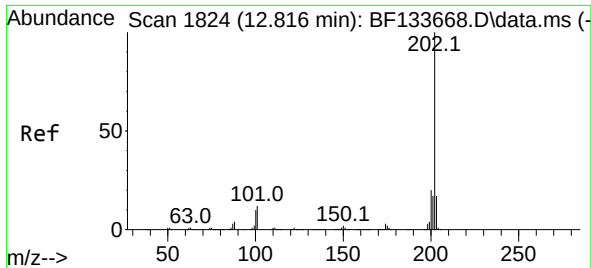
Ion Ratio Lower Upper

240 100

120 10.1 8.1 12.1

236 25.9 20.5 30.7





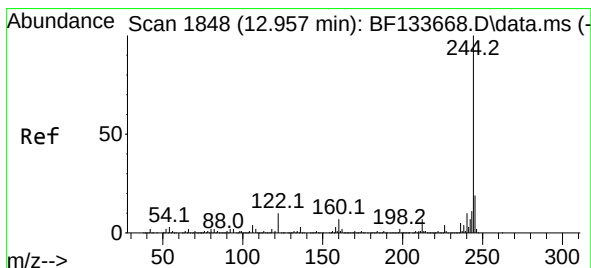
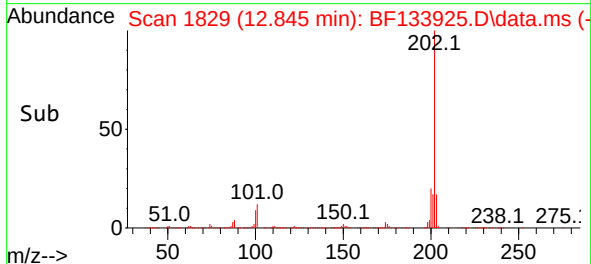
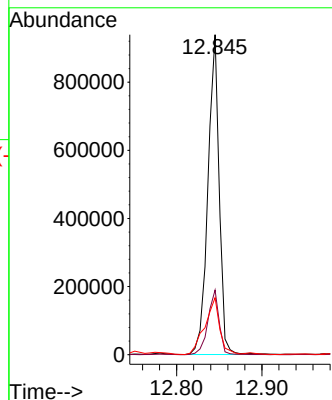
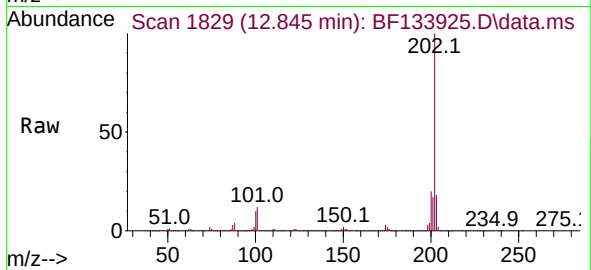
#78
Pyrene
Concen: 43.520 ng
RT: 12.845 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

Tgt Ion:202 Resp: 86212
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 17.8 13.9 20.9

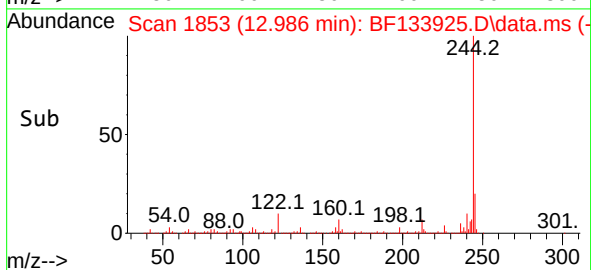
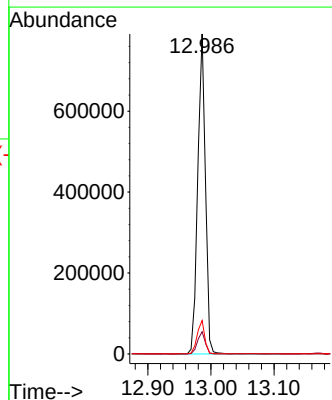
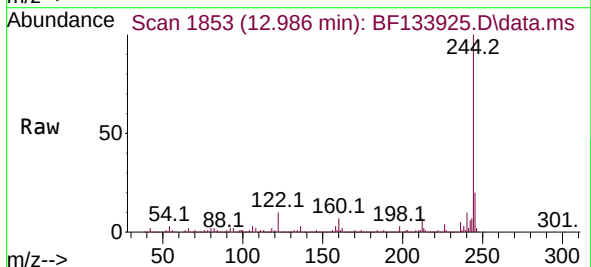
Manual Integrations
APPROVED

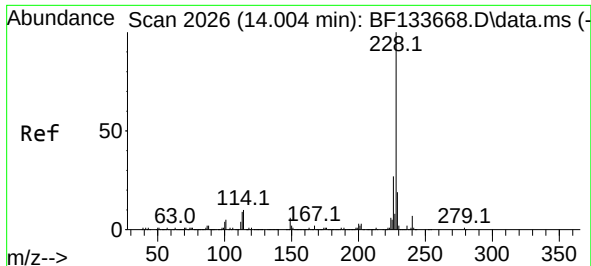
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#79
Terphenyl-d14
Concen: 48.263 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:244 Resp: 663299
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.4 8.1 12.1





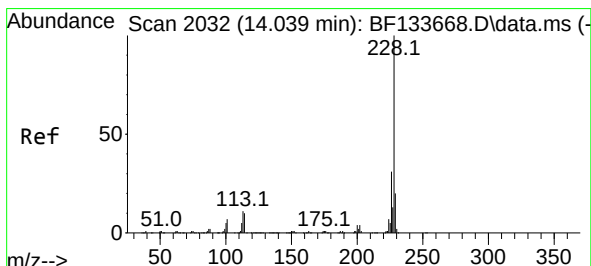
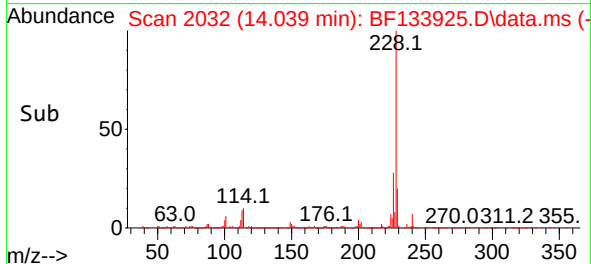
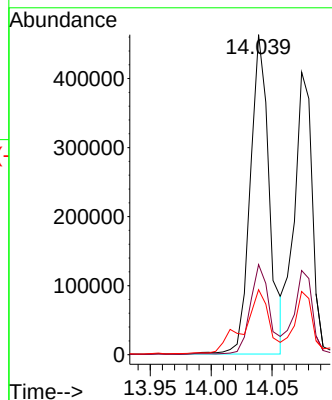
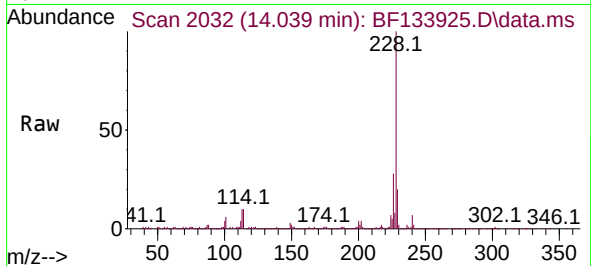
#81
Benzo(a)anthracene
Concen: 34.219 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15

Tgt Ion:228 Resp: 50334
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 20.3 15.4 23.2

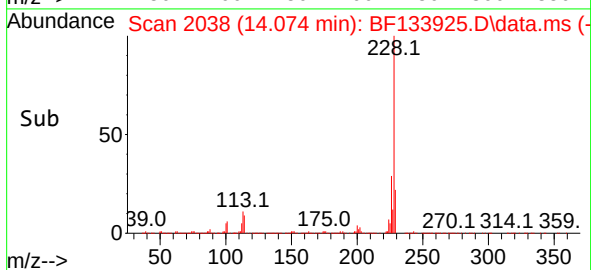
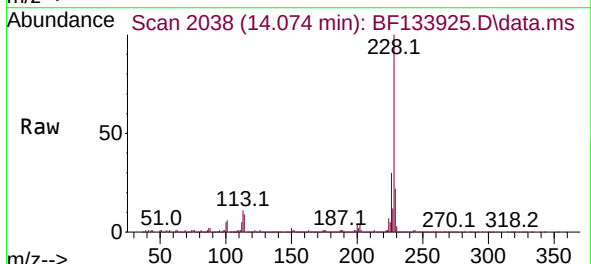
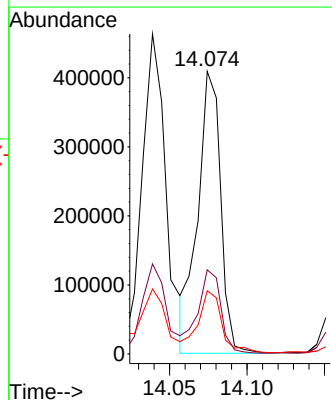
Manual Integrations
APPROVED

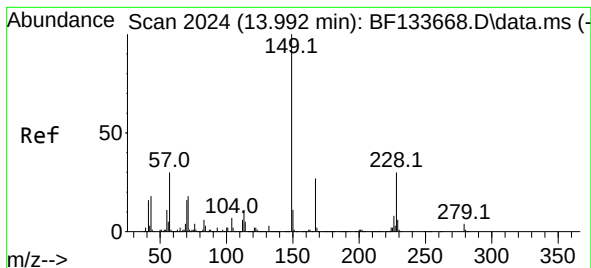
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#83
Chrysene
Concen: 30.213 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:228 Resp: 420347
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 22.4 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.569 ng

RT: 14.027 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SW01-8-15

Tgt Ion:149 Resp: 9853

Ion Ratio Lower Upper

149 100

167 25.4 21.8 32.8

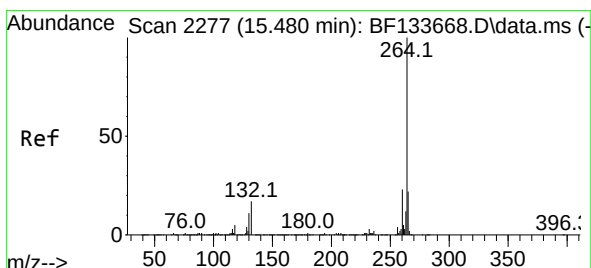
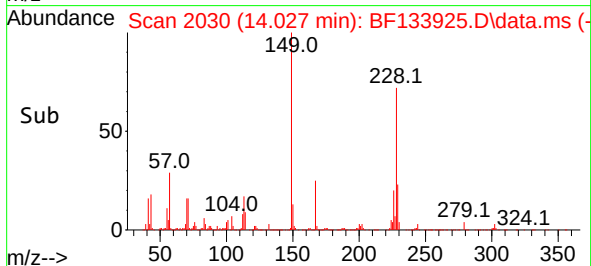
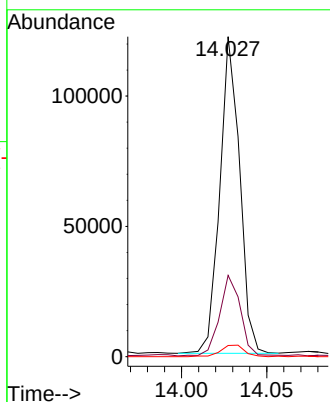
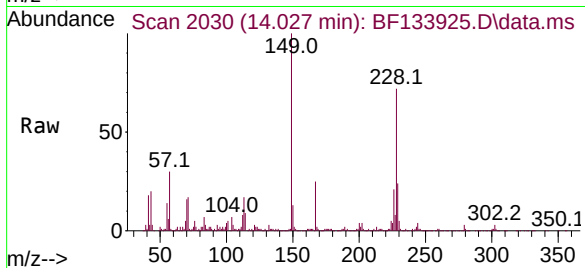
279 3.5 3.3 4.9

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: 15.557 min Scan# 2290

Delta R.T. -0.006 min

Lab File: BF133925.D

Acq: 23 Jun 2023 04:10

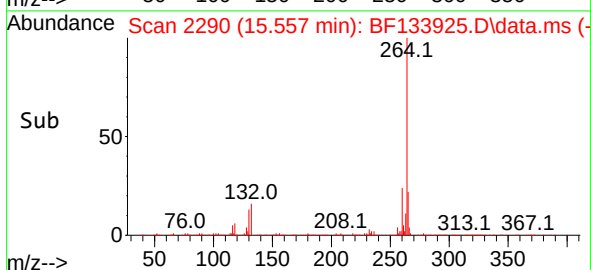
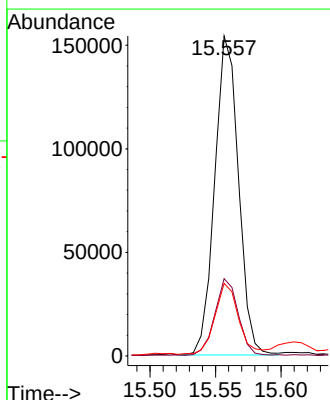
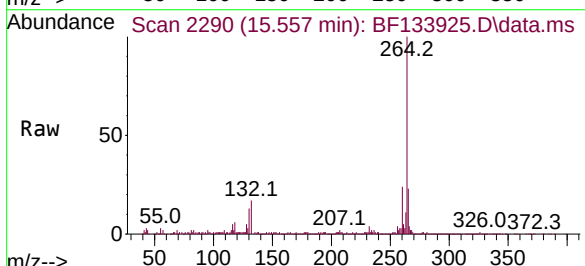
Tgt Ion:264 Resp: 194017

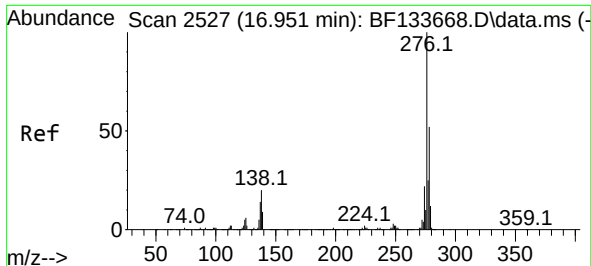
Ion Ratio Lower Upper

264 100

260 24.2 18.2 27.2

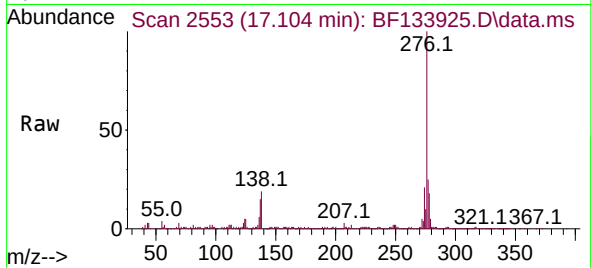
265 22.7 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.890 ng
RT: 17.104 min Scan# 2115
Delta R.T. -0.018 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

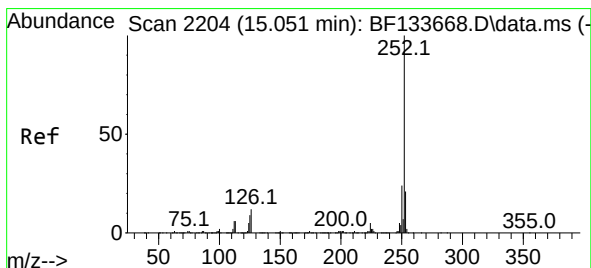
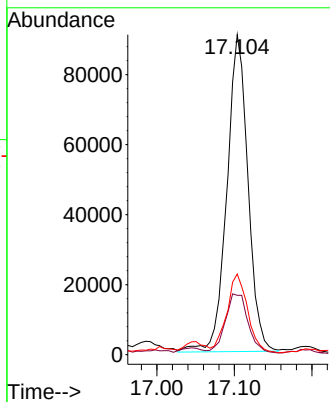
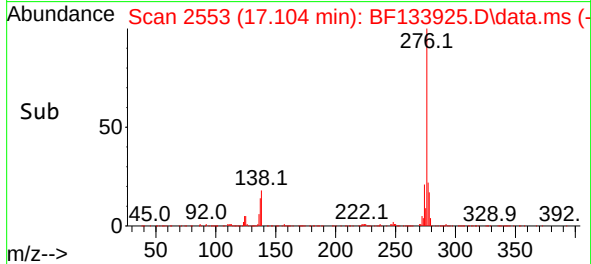
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15



Tgt Ion:276 Resp: 17205
Ion Ratio Lower Upper
276 100
138 20.0 17.9 26.9
277 24.4 20.3 30.5

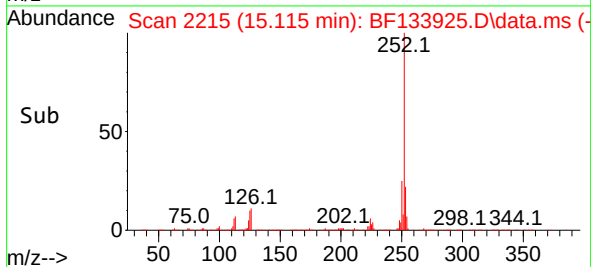
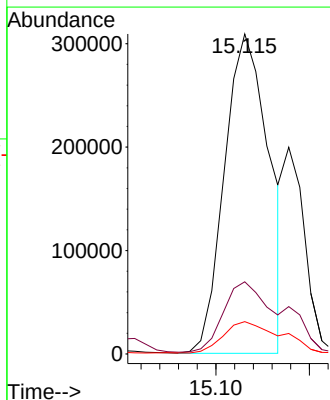
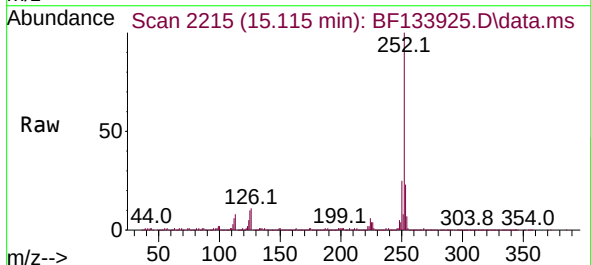
Manual Integrations
APPROVED

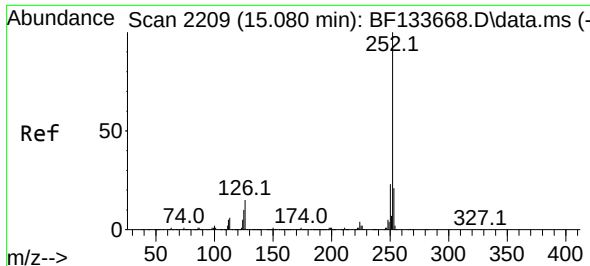
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#88
Benzo(b)fluoranthene
Concen: 43.291 ng m
RT: 15.115 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

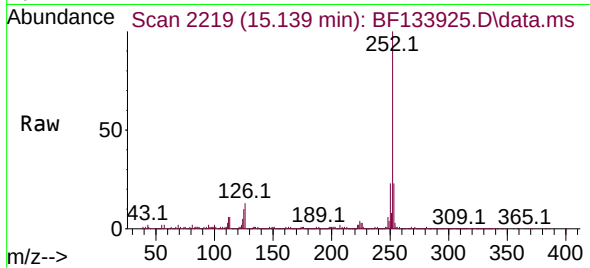
Tgt Ion:252 Resp: 510210
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 10.1 7.3 10.9





#89
Benzo(k)fluoranthene
Concen: 13.379 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

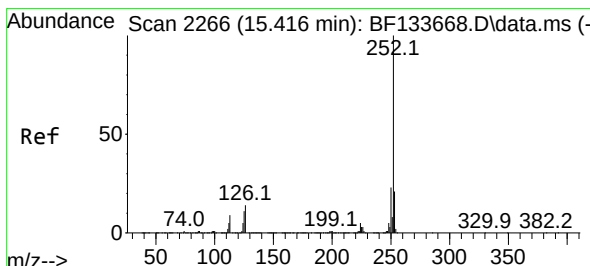
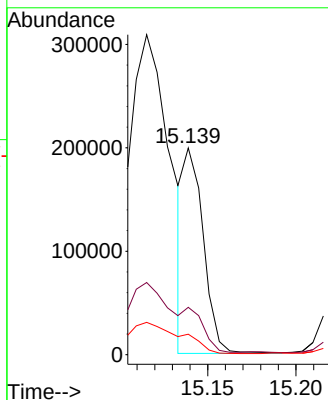
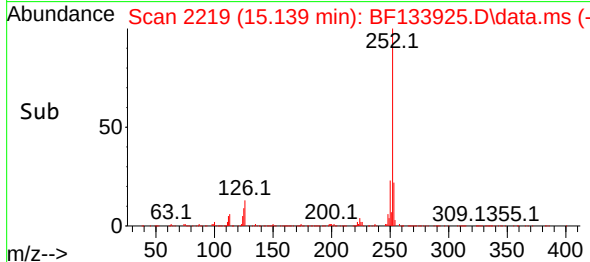
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15



Tgt Ion:252 Resp: 15359
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 9.9 7.8 11.6

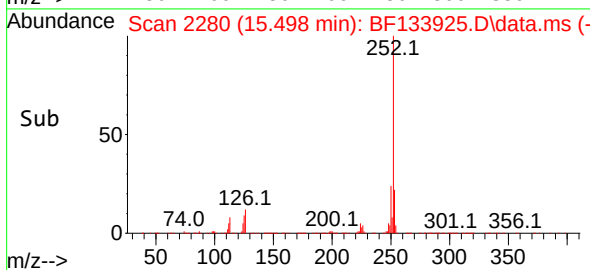
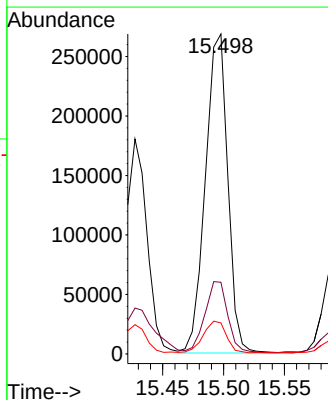
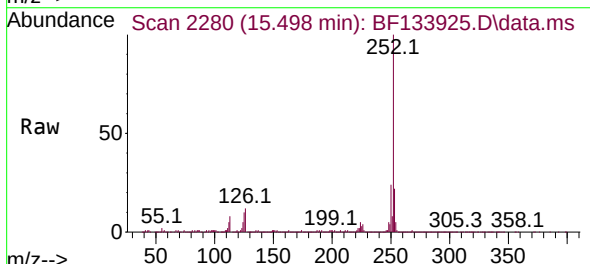
Manual Integrations
APPROVED

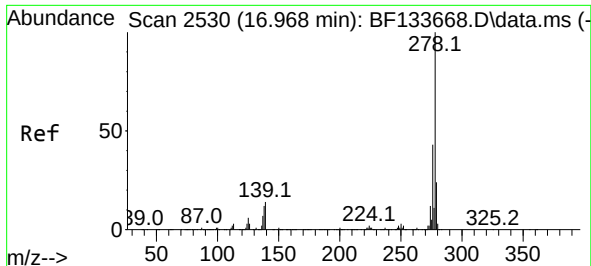
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#90
Benzo(a)pyrene
Concen: 31.366 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

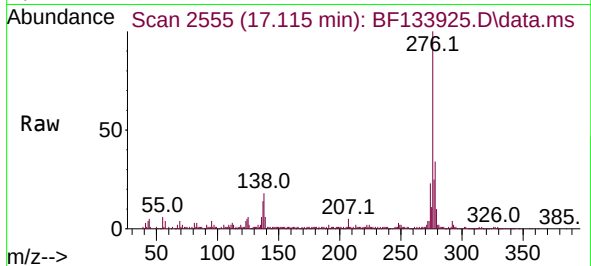
Tgt Ion:252 Resp: 343078
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 9.7 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 3.828 ng
RT: 17.115 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

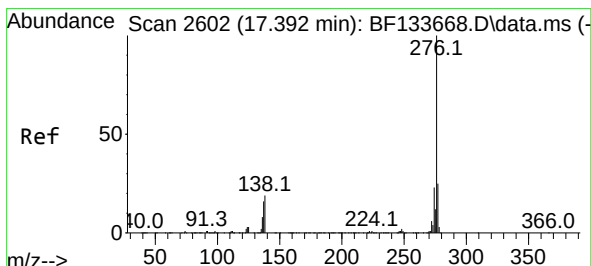
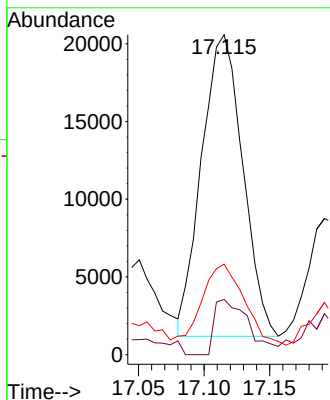
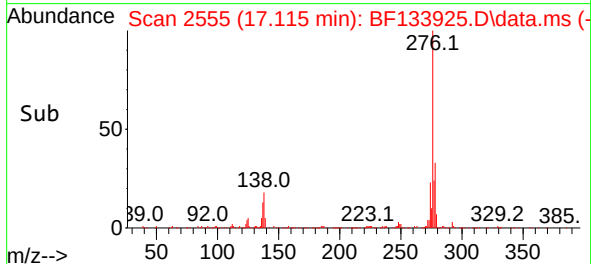
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SW01-8-15



Tgt Ion:278 Resp: 4230
Ion Ratio Lower Upper
278 100
139 17.2 11.4 17.2
279 28.3 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: 14.552 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.018 min
Lab File: BF133925.D
Acq: 23 Jun 2023 04:10

Tgt Ion:276 Resp: 159433
Ion Ratio Lower Upper
276 100
277 21.9 19.8 29.8
138 18.8 15.0 22.4

