

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132452.D
 Acq On : 17 Feb 2023 13:51
 Operator : CG\JU
 Sample : 01555-01DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-2142023DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/18/2023
 Supervised By :mohammad ahmed 02/20/2023

Quant Time: Feb 17 14:21:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 03:08:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.031	152	213575	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	776821	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	400217	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	683834	20.000	ng	0.00
76) Chrysene-d12	14.236	240	429125	20.000	ng	0.00
86) Perylene-d12	15.801	264	337871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	701128	52.603	ng	0.00
7) Phenol-d6	6.643	99	909984	52.285	ng	0.00
23) Nitrobenzene-d5	7.590	82	562440	34.789	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	186056	46.594	ng	0.00
45) 2-Fluorobiphenyl	9.390	172	939348	36.246	ng	0.00
79) Terphenyl-d14	13.166	244	892982	37.898	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.107	154	65040	2.706	ng	98
55) Dibenzofuran	10.284	168	82497	2.313	ng	92
58) Fluorene	10.625	166	128009	4.747	ng	97
71) Phenanthrene	11.601	178	1136147	32.258	ng	99
72) Anthracene	11.648	178	301935	8.339	ng	100
75) Fluoranthene	12.801	202	1375548	35.021	ng	99
78) Pyrene	13.030	202	1308987	35.908	ng	99
81) Benzo(a)anthracene	14.225	228	643895	20.487	ng	99
83) Chrysene	14.260	228	529643	17.638	ng	97
87) Indeno(1,2,3-cd)pyrene	17.413	276	182306	8.441	ng	96
88) Benzo(b)fluoranthene	15.330	252	490509m	22.076	ng	
89) Benzo(k)fluoranthene	15.360	252	196881m	8.855	ng	
90) Benzo(a)pyrene	15.730	252	372298	18.030	ng	97
92) Benzo(g,h,i)perylene	17.901	276	183932	10.068	ng	99

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

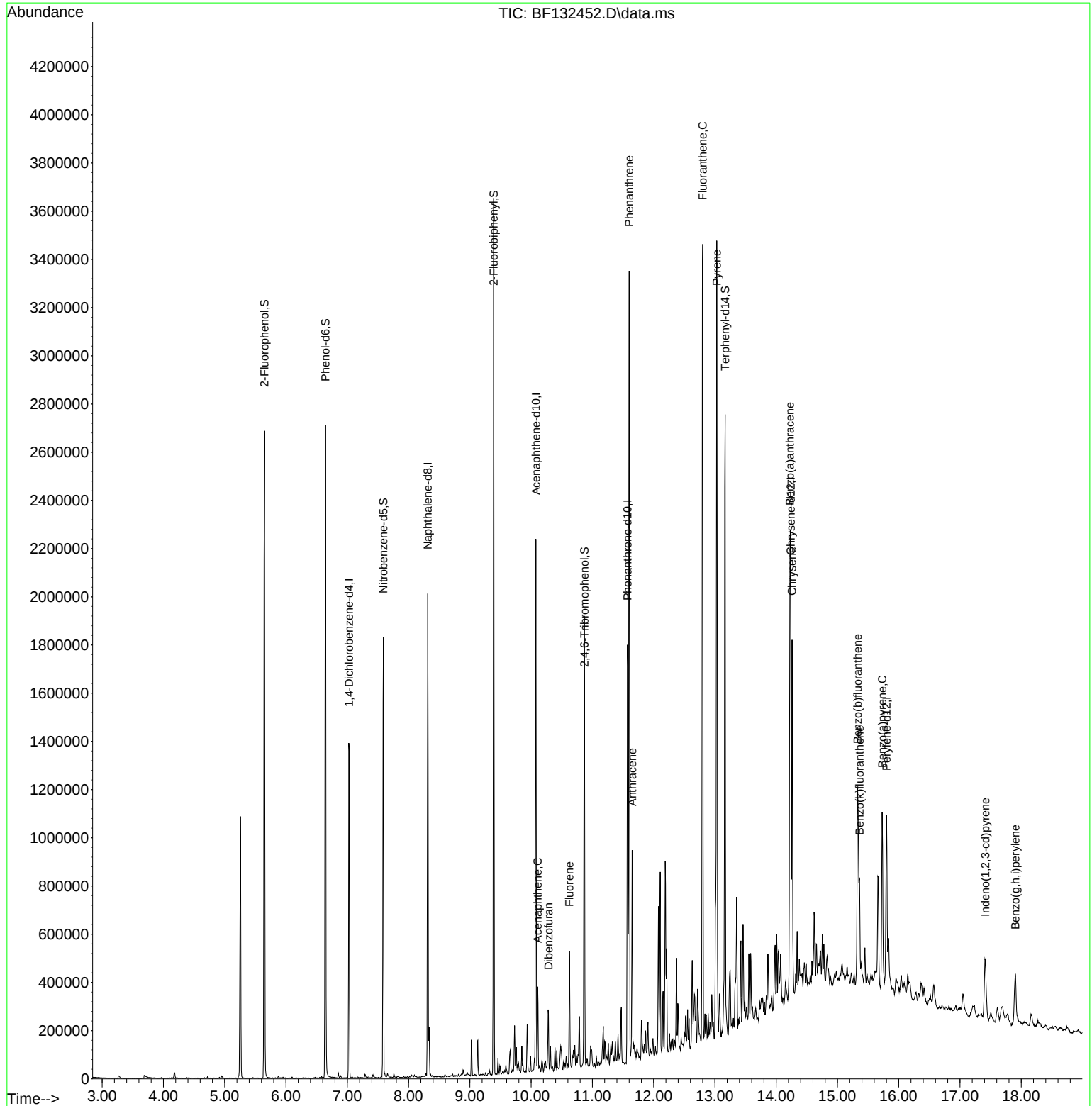
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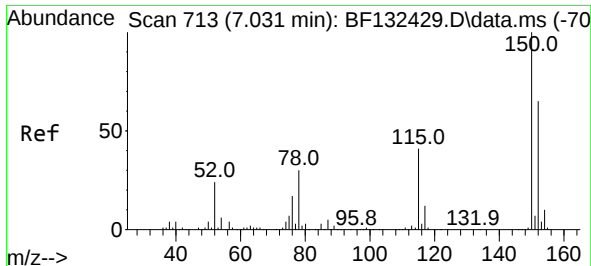
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
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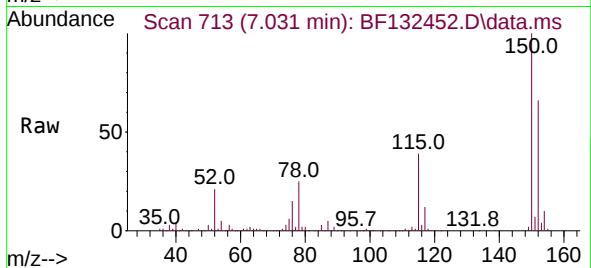
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.031 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

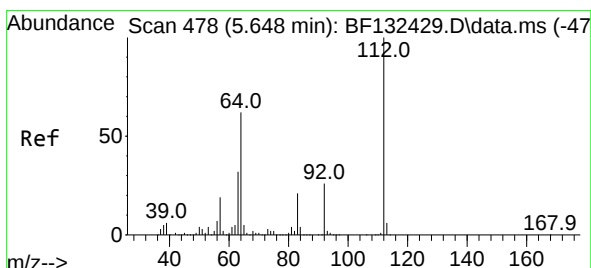
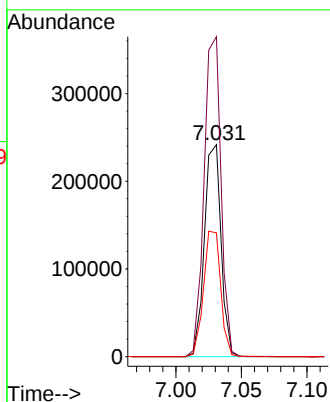
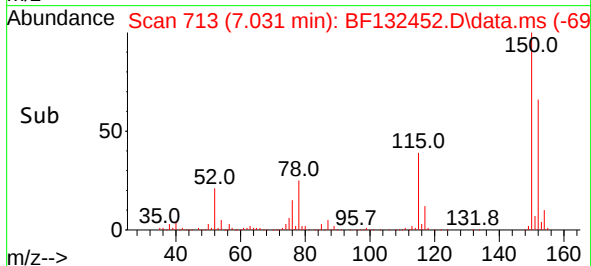
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL



Tgt Ion:152 Resp: 213579
Ion Ratio Lower Upper
152 100
150 151.0 123.8 185.8
115 58.4 50.4 75.6

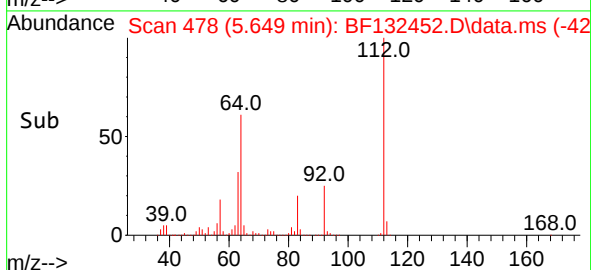
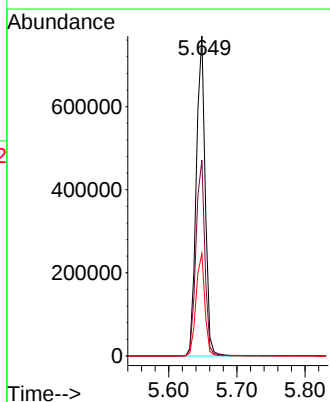
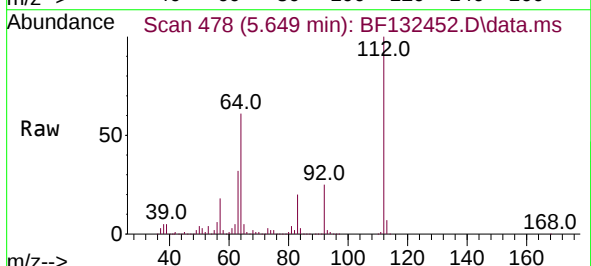
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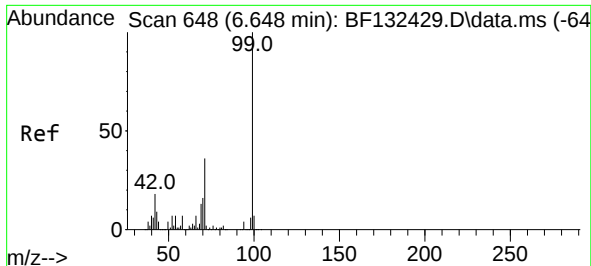
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#5
2-Fluorophenol
Concen: 52.603 ng
RT: 5.649 min Scan# 478
Delta R.T. 0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

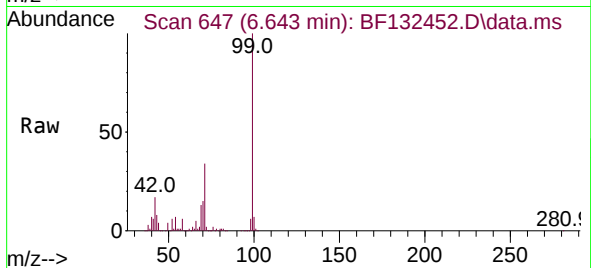
Tgt Ion:112 Resp: 701128
Ion Ratio Lower Upper
112 100
64 61.1 49.7 74.5
63 31.9 25.8 38.8





#7
Phenol-d6
Concen: 52.285 ng
RT: 6.643 min Scan# 648
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

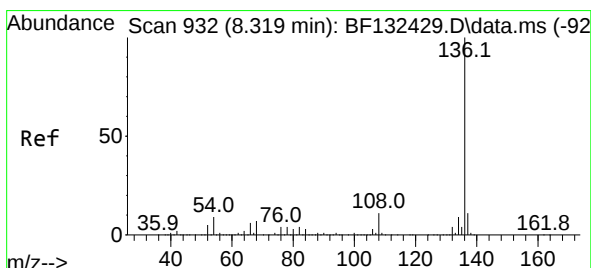
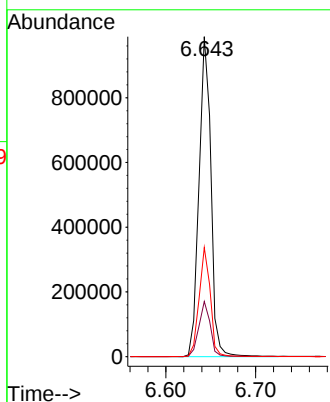
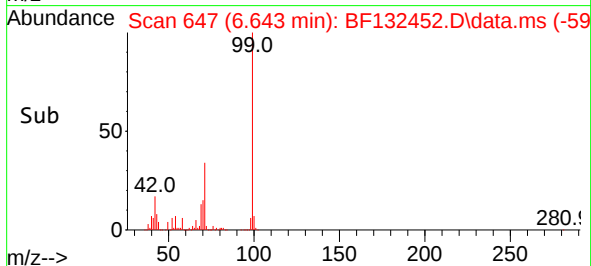
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Tgt Ion: 99 Resp: 909984
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 34.1 28.7 43.1

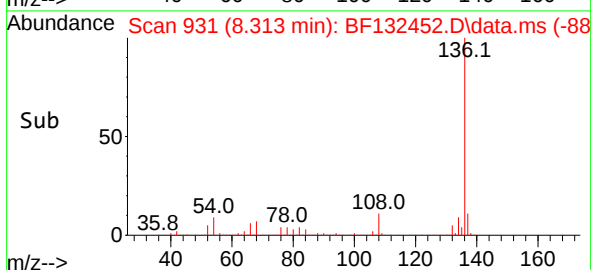
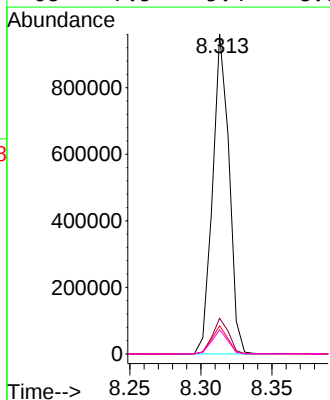
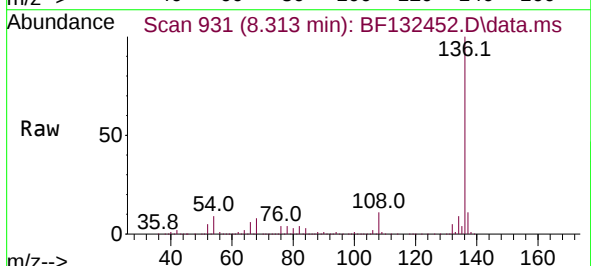
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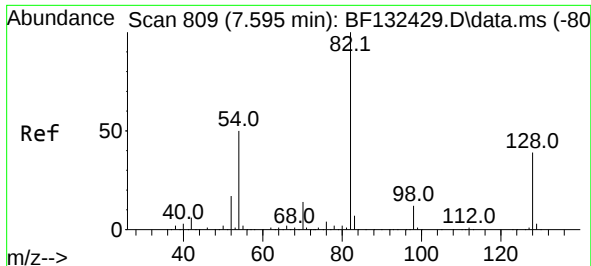
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:136 Resp: 776821
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.8 6.9 10.3
68 7.5 5.4 8.0





#23

Nitrobenzene-d5

Concen: 34.789 ng

RT: 7.590 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

Tgt Ion: 82 Resp: 562440

Ion Ratio Lower Upper

82 100

128 43.7 30.8 46.2

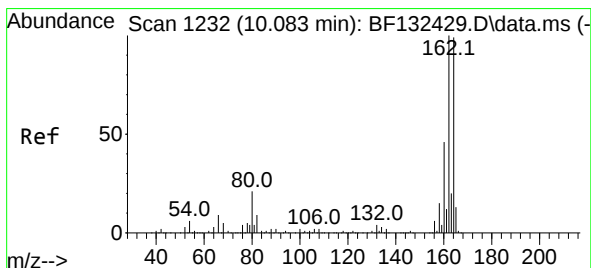
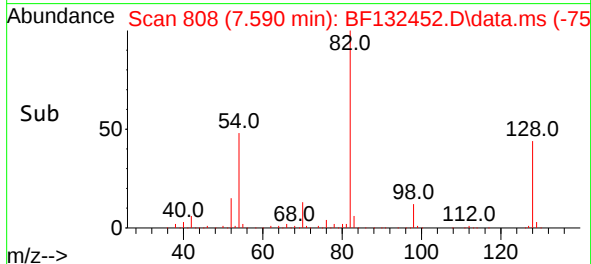
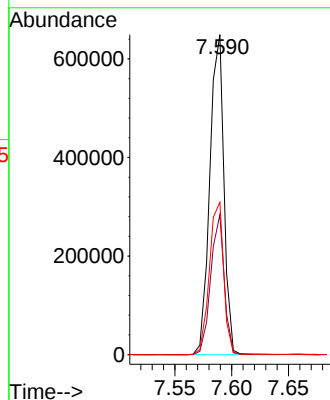
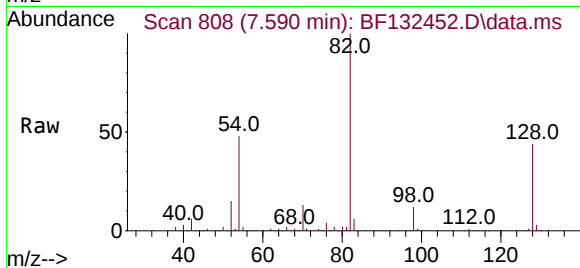
54 47.6 40.2 60.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.078 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

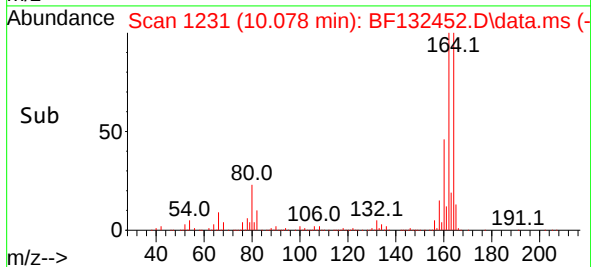
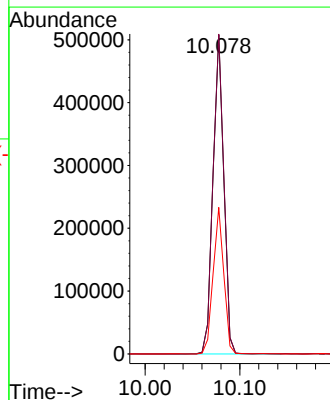
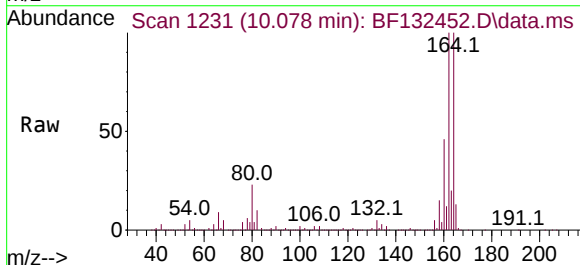
Tgt Ion:164 Resp: 400217

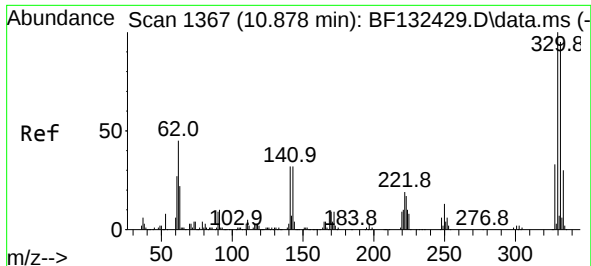
Ion Ratio Lower Upper

164 100

162 100.3 80.8 121.2

160 45.9 37.2 55.8





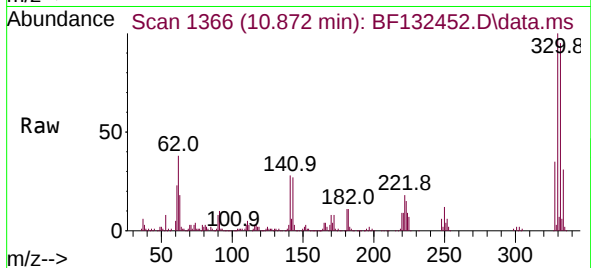
#42
2,4,6-Tribromophenol
Concen: 46.594 ng
RT: 10.872 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Instrument :

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ClientSampleId :

OR-3-2142023DL



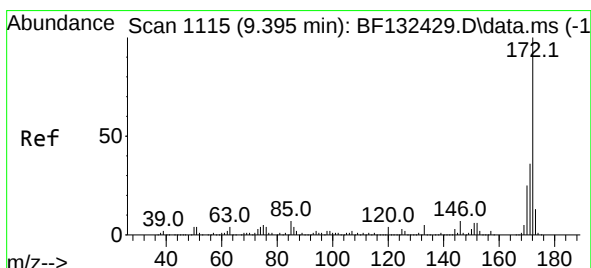
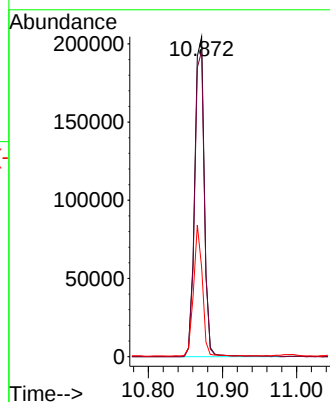
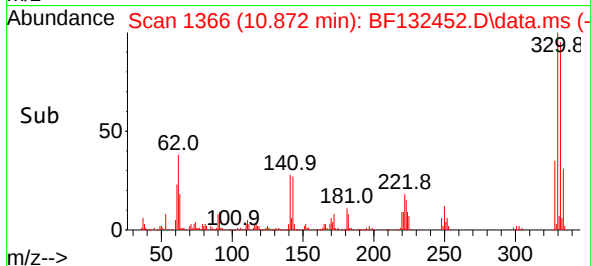
Tgt Ion: 330 Resp: 186056
Ion Ratio Lower Upper
330 100
332 95.9 76.3 114.5
141 37.1 30.3 45.5

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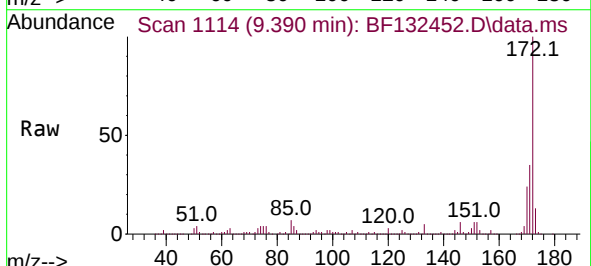
APPROVED

Reviewed By : Yogesh Patel 02/18/2023

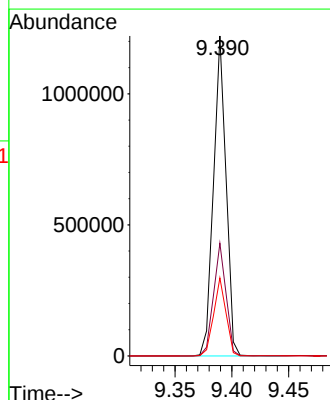
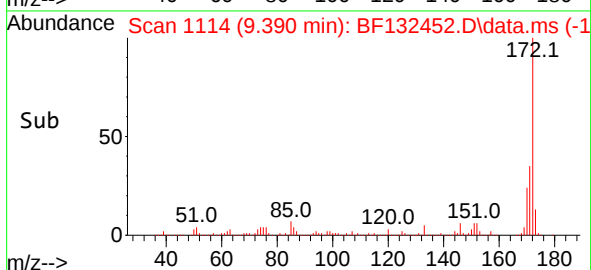
Supervised By : mohammad ahmed 02/20/2023

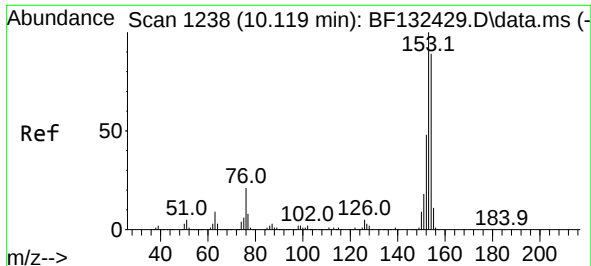


#45
2-Fluorobiphenyl
Concen: 36.246 ng
RT: 9.390 min Scan# 1114
Delta R.T. -0.005 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51



Tgt Ion: 172 Resp: 939348
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 24.4 19.9 29.9





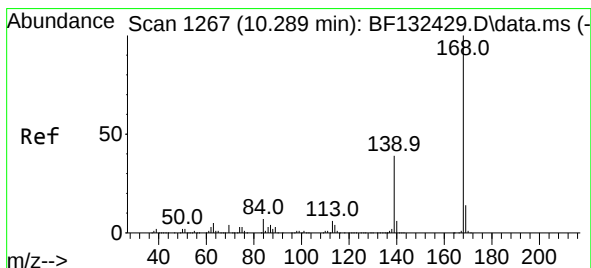
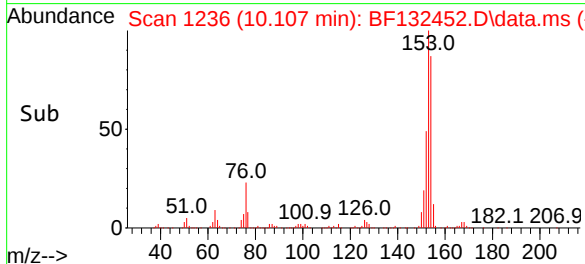
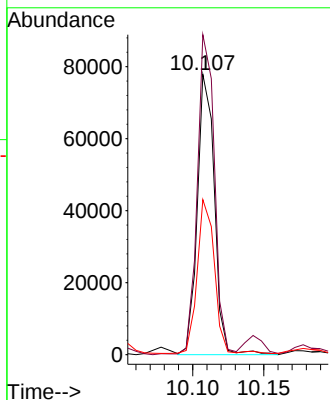
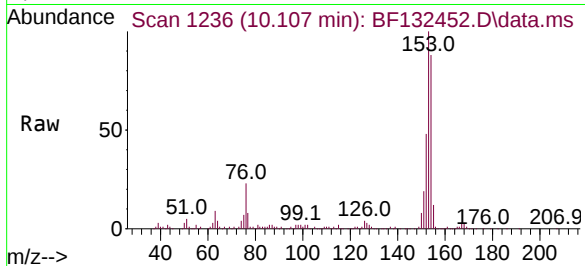
#52
Acenaphthene
Concen: 2.706 ng
RT: 10.107 min Scan# 1238
Delta R.T. -0.012 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:154 Resp: 65040
Ion Ratio Lower Upper
154 100
153 114.2 89.7 134.5
152 55.3 43.4 65.0

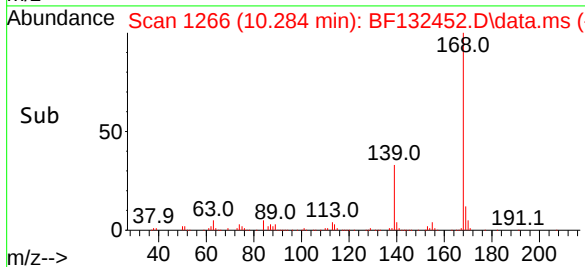
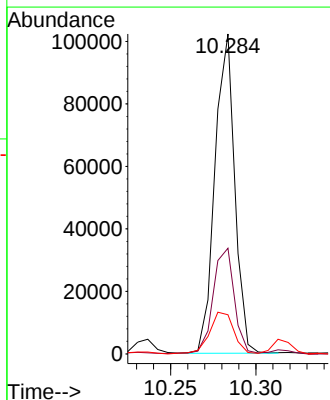
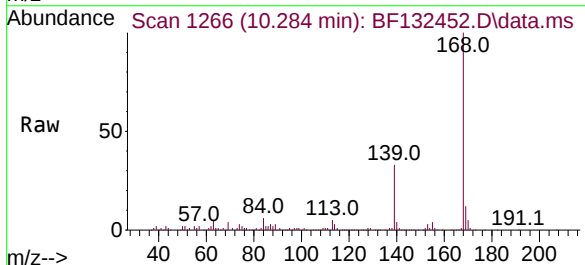
Manual Integrations
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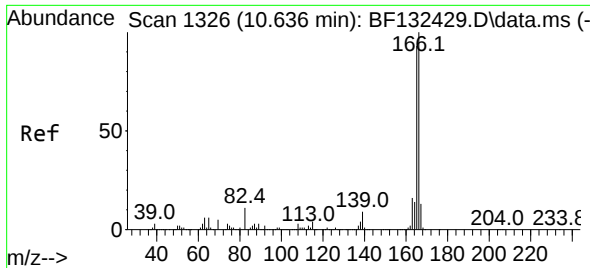
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#55
Dibenzofuran
Concen: 2.313 ng
RT: 10.284 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:168 Resp: 82497
Ion Ratio Lower Upper
168 100
139 33.0 31.0 46.4
169 12.2 11.0 16.4





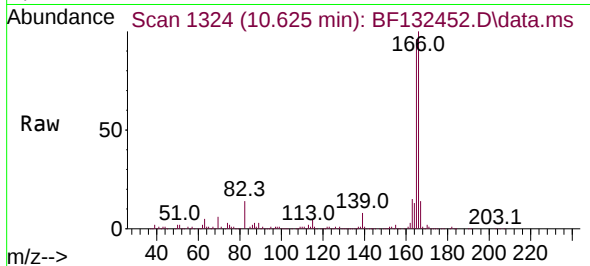
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Fluorene
Concen: 4.747 ng
RT: 10.625 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

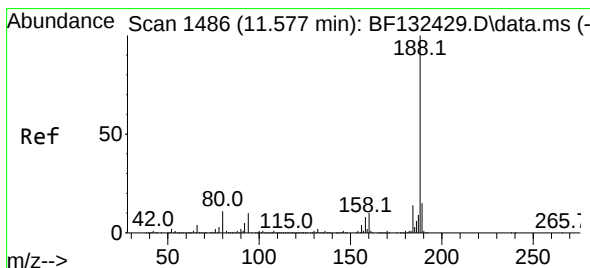
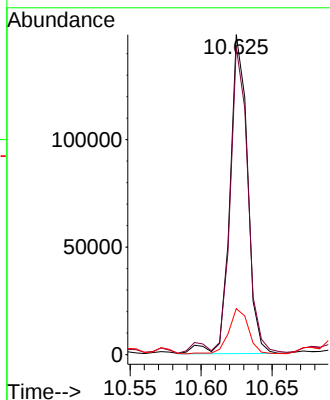
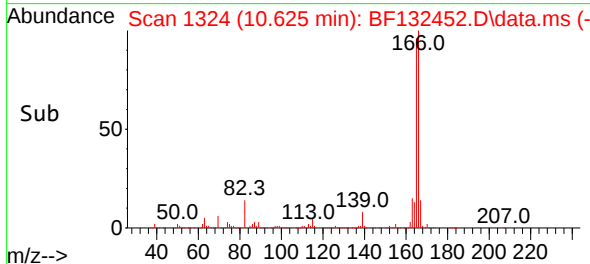


Tgt Ion:166 Resp: 128009
Ion Ratio Lower Upper
166 100
165 96.1 74.6 111.8
167 14.4 10.8 16.2

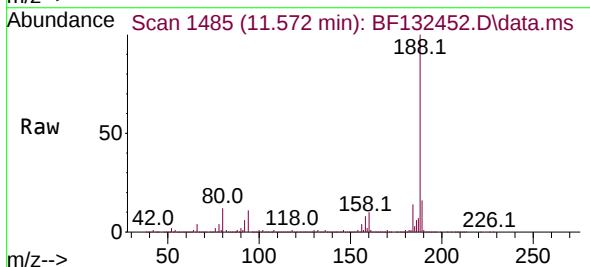
Manual Integrations

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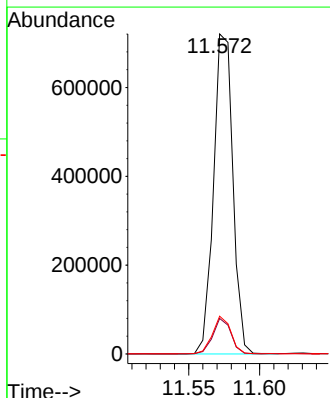
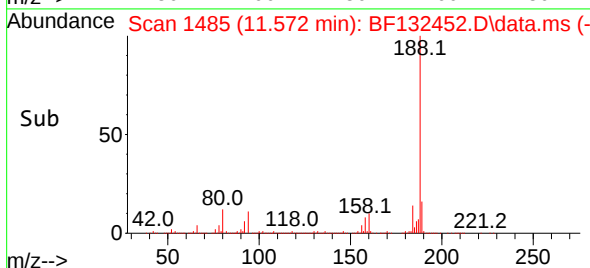
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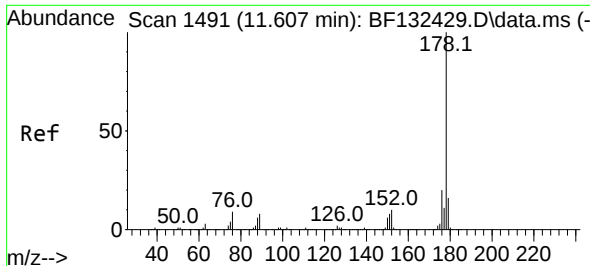


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51



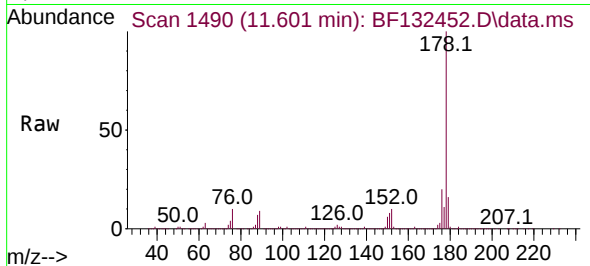
Tgt Ion:188 Resp: 683834
Ion Ratio Lower Upper
188 100
94 11.1 8.0 12.0
80 11.8 8.6 12.8





#71
Phenanthrene
Concen: 32.258 ng
RT: 11.601 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

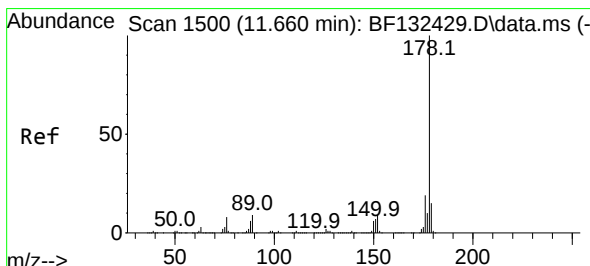
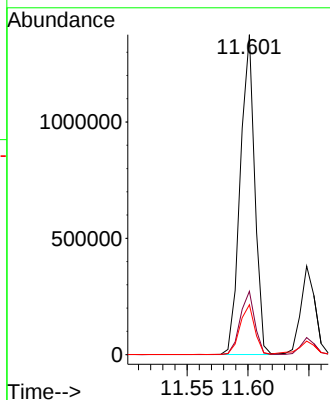
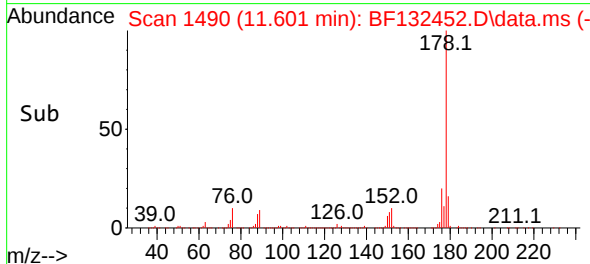
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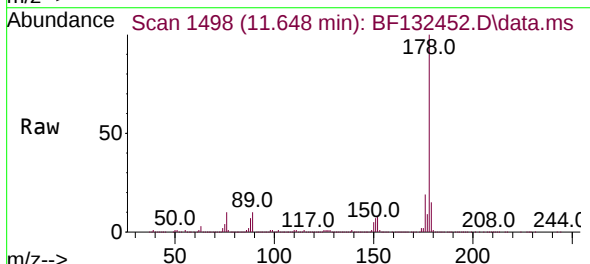
Tgt Ion:178 Resp: 113614
Ion Ratio Lower Upper
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179 15.6 12.6 18.8

Manual Integrations
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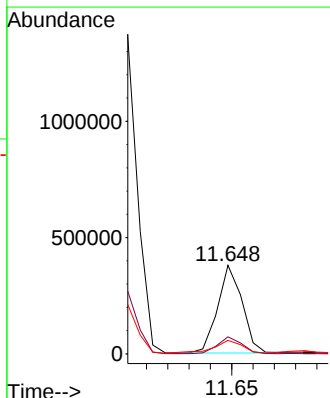
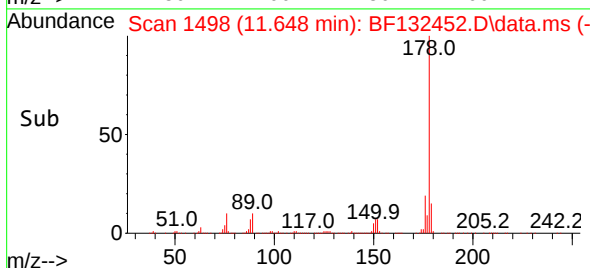
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

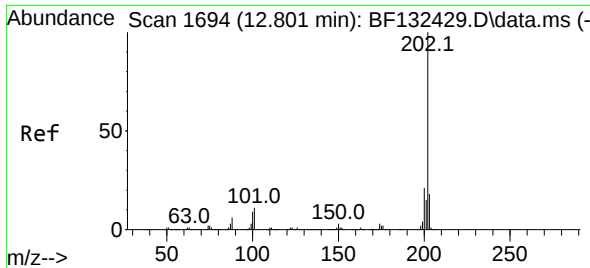


#72
Anthracene
Concen: 8.339 ng
RT: 11.648 min Scan# 1498
Delta R.T. -0.012 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51



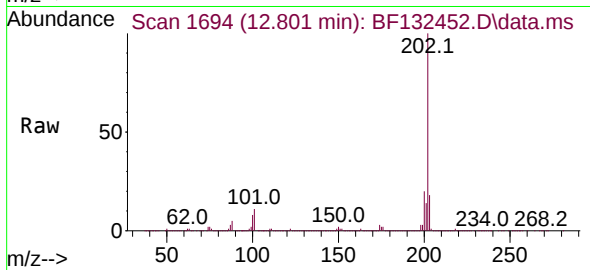
Tgt Ion:178 Resp: 301935
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 35.021 ng
RT: 12.801 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

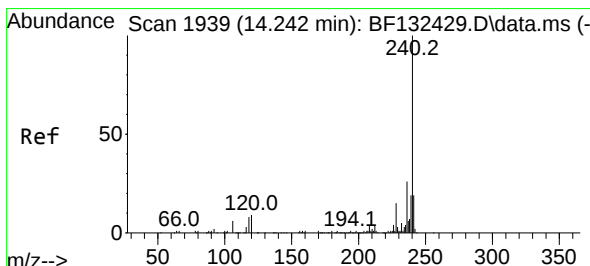
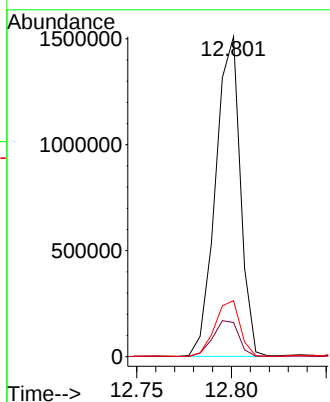
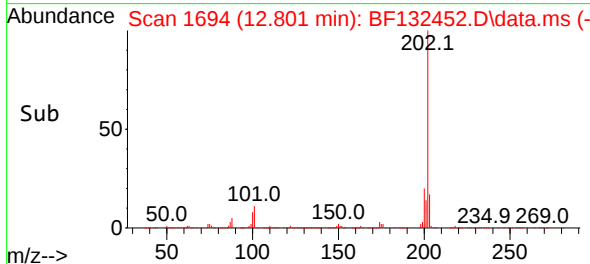
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL



Tgt Ion:202 Resp: 1375548
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.3
203 17.5 0.0 37.8

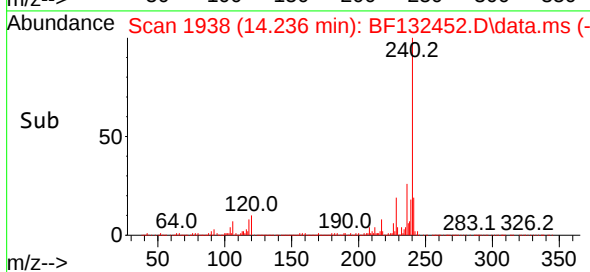
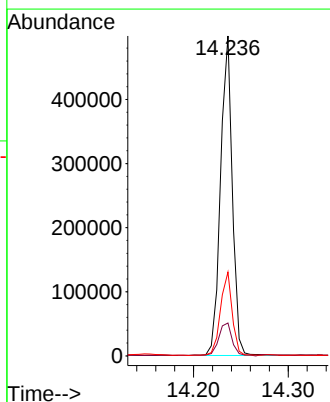
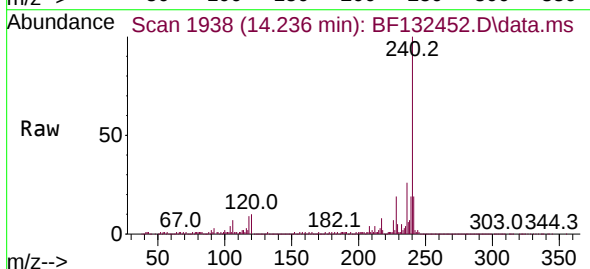
Manual Integrations
APPROVED

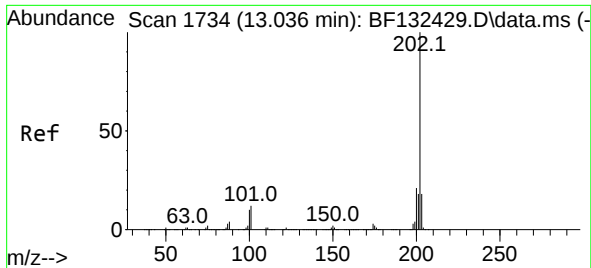
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.236 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

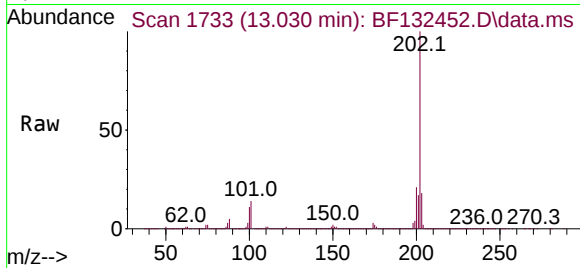
Tgt Ion:240 Resp: 429125
Ion Ratio Lower Upper
240 100
120 10.3 7.5 11.3
236 26.2 21.0 31.6





#78
Pyrene
Concen: 35.908 ng
RT: 13.030 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

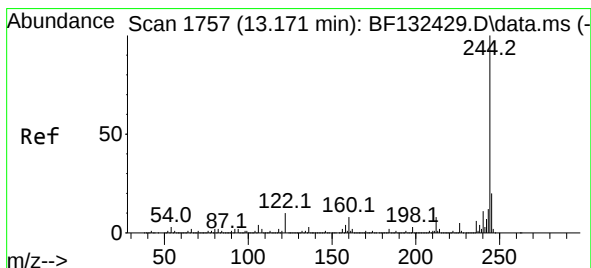
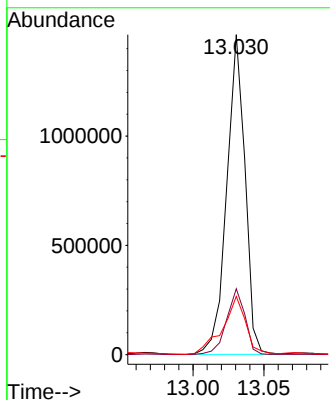
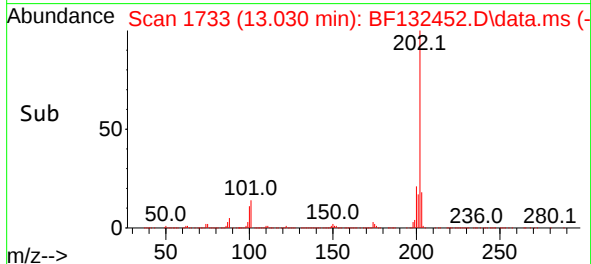
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL



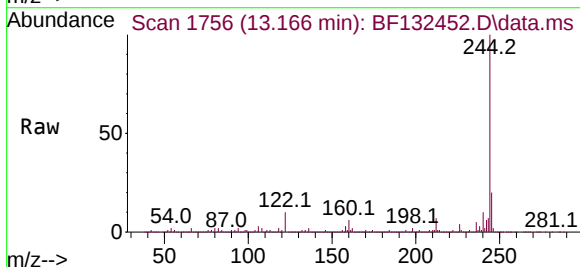
Tgt Ion:202 Resp: 1308982
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 18.2 14.3 21.5

Manual Integrations
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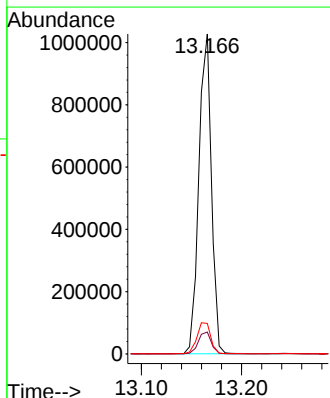
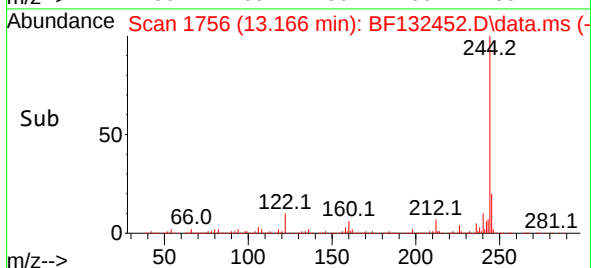
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

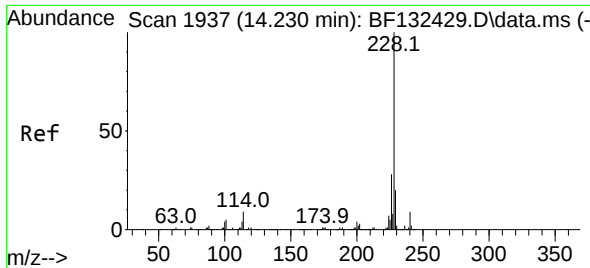


#79
Terphenyl-d14
Concen: 37.898 ng
RT: 13.166 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51



Tgt Ion:244 Resp: 892982
Ion Ratio Lower Upper
244 100
212 6.8 6.7 10.1
122 9.5 7.7 11.5





#81
Benzo(a)anthracene
Concen: 20.487 ng
RT: 14.225 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

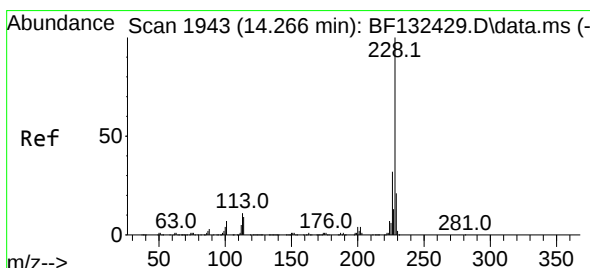
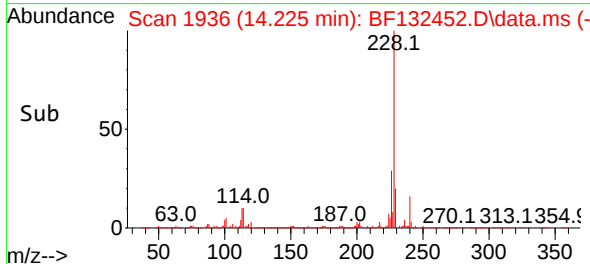
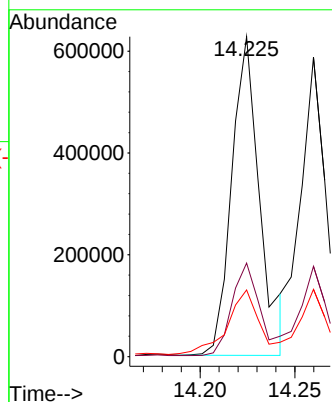
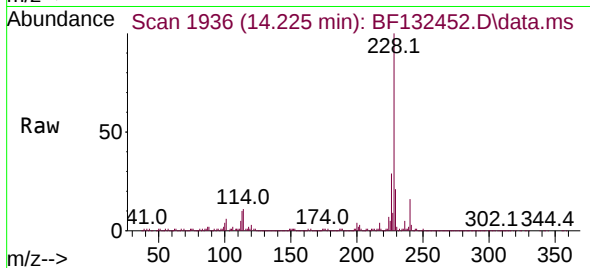
ClientSampleId :

OR-3-2142023DL

Tgt Ion:228 Resp: 643895
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 20.8 16.2 24.4

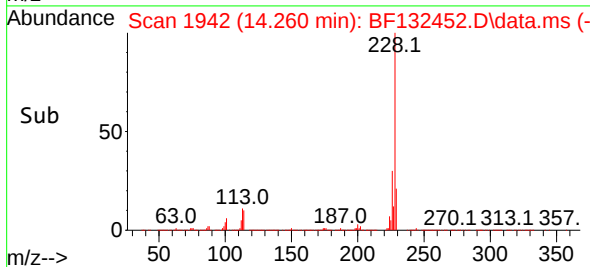
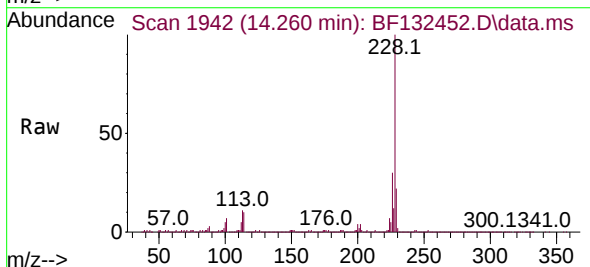
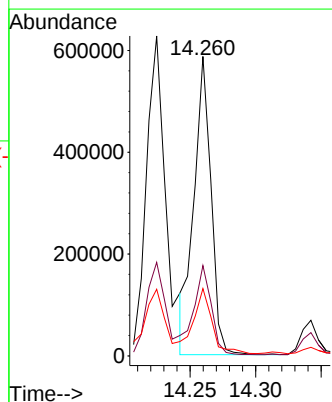
Manual Integrations
APPROVED

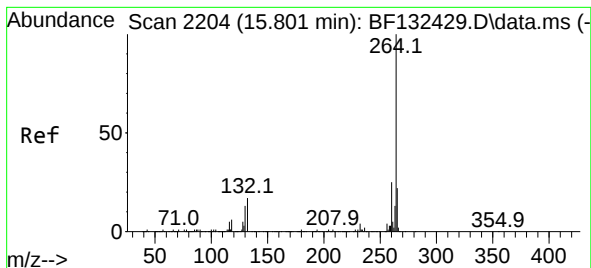
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#83
Chrysene
Concen: 17.638 ng
RT: 14.260 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

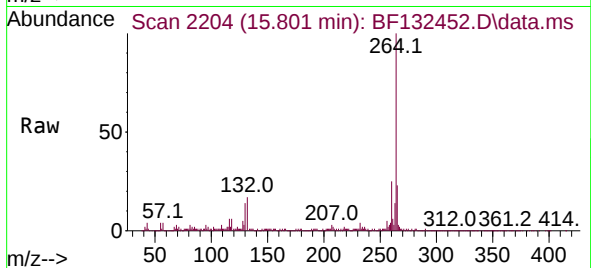
Tgt Ion:228 Resp: 529643
Ion Ratio Lower Upper
228 100
226 30.2 25.4 38.2
229 22.5 16.6 25.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.801 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

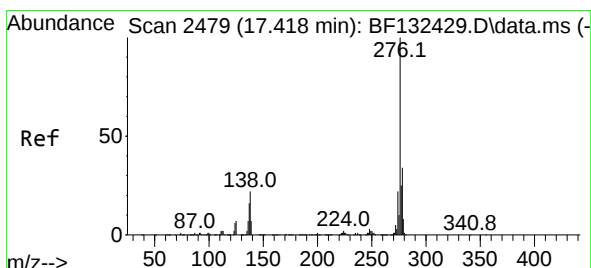
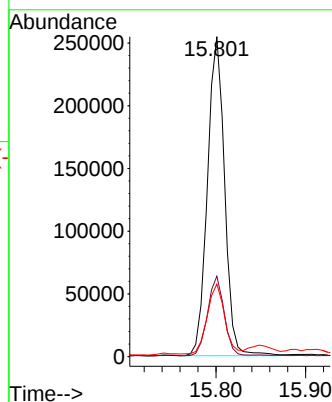
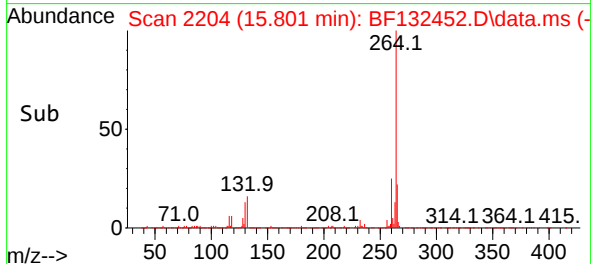
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL



Tgt Ion:264 Resp: 33787
Ion Ratio Lower Upper
264 100
260 25.1 20.0 30.0
265 22.7 17.2 25.8

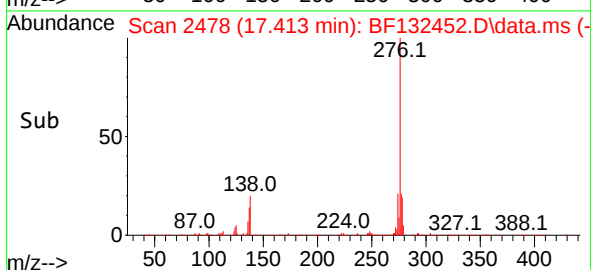
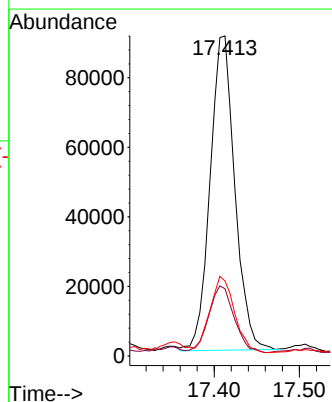
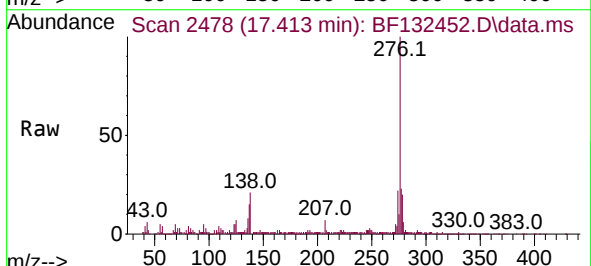
Manual Integrations
APPROVED

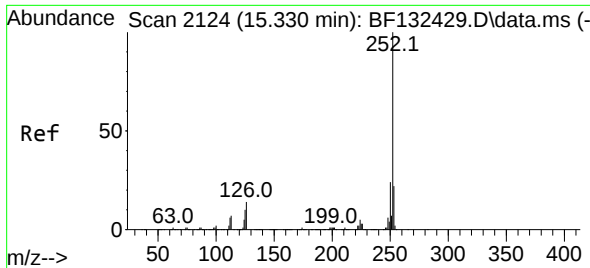
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.441 ng
RT: 17.413 min Scan# 2478
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:276 Resp: 182306
Ion Ratio Lower Upper
276 100
138 21.8 20.2 30.4
277 24.2 20.0 30.0





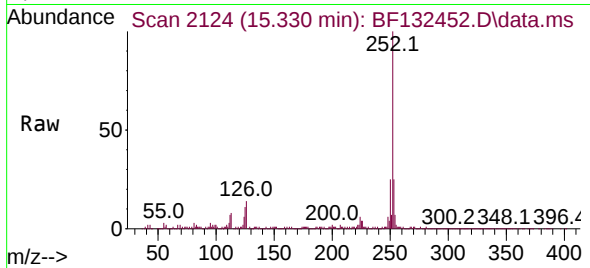
#88
Benzo(b)fluoranthene
Concen: 22.076 ng m
RT: 15.330 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

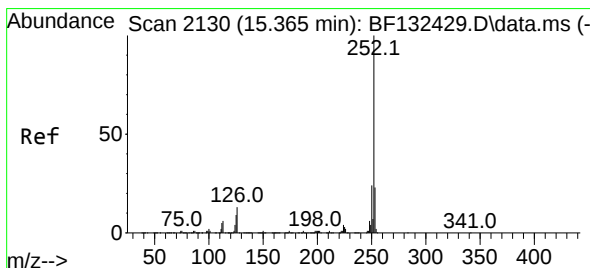
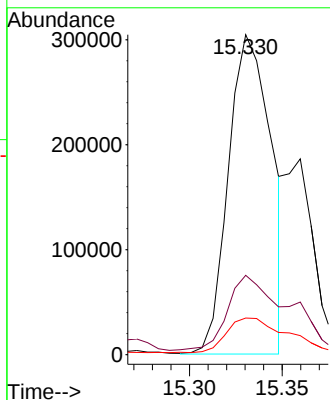
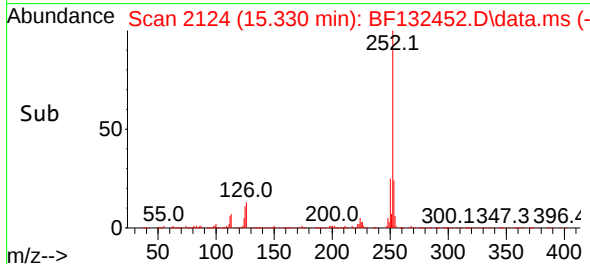


Tgt Ion:252 Resp: 490509
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 11.4 7.6 11.4

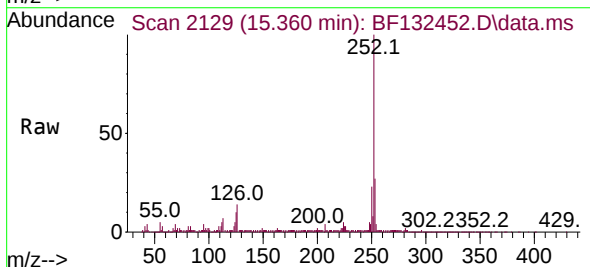
Manual Integrations

APPROVED

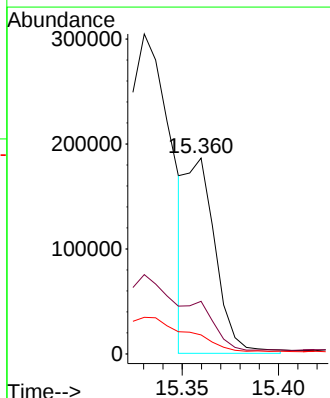
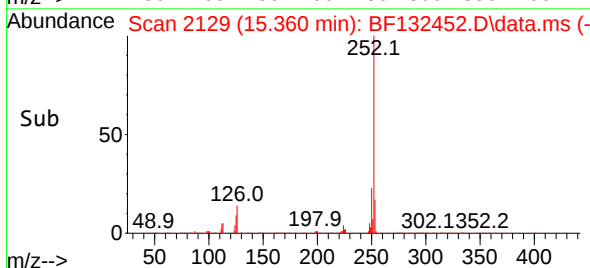
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

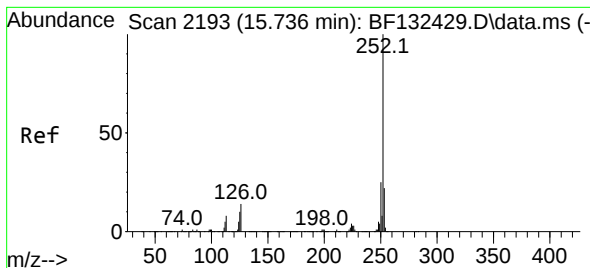


#89
Benzo(k)fluoranthene
Concen: 8.855 ng m
RT: 15.360 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51



Tgt Ion:252 Resp: 196881
Ion Ratio Lower Upper
252 100
253 26.8 18.2 27.2
125 9.7 7.5 11.3





#90

Benzo(a)pyrene

Concen: 18.030 ng

RT: 15.730 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

Tgt Ion:252 Resp: 372298

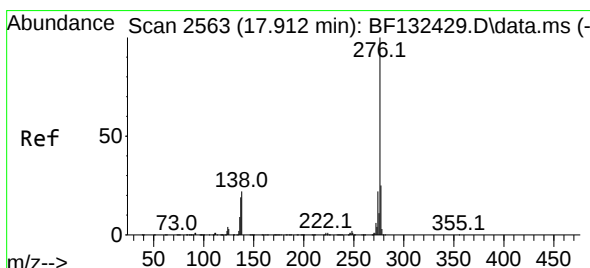
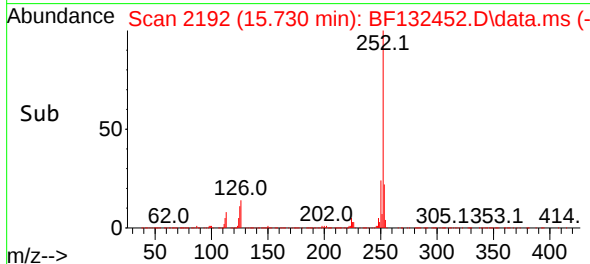
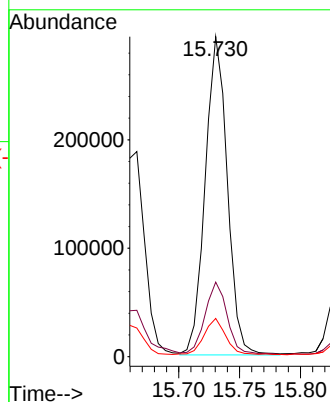
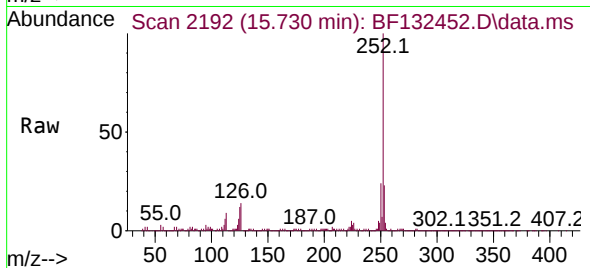
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	11.9	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#92

Benzo(g,h,i)perylene

Concen: 10.068 ng

RT: 17.901 min Scan# 2561

Delta R.T. -0.012 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

Tgt Ion:276 Resp: 183932

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	22.4	17.7	26.5

