

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133713.D
 Acq On : 12 Jun 2023 20:09
 Operator : CG\JU
 Sample : 03044-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-5.0-7.0

Quant Time: Jun 12 22:11:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	69935	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	240253	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	100984	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	191633	20.000	ng	# 0.00
76) Chrysene-d12	14.009	240	135237	20.000	ng	0.00
86) Perylene-d12	15.474	264	103117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	338753	84.326	ng	0.00
7) Phenol-d6	6.457	99	394867	75.515	ng	-0.01
23) Nitrobenzene-d5	7.392	82	264808	60.034	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	92845	72.633	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	439263	61.833	ng	0.00
79) Terphenyl-d14	12.951	244	463604	53.044	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.927	142	15163	2.026	ng	94
52) Acenaphthene	9.904	154	25168	4.229	ng	97
55) Dibenzofuran	10.074	168	19531	2.151	ng	# 94
58) Fluorene	10.416	166	29067	4.185	ng	96
71) Phenanthrene	11.386	178	513712	52.837	ng	100
72) Anthracene	11.433	178	129302	12.755	ng	100
73) Carbazole	11.586	167	39696	4.204	ng	97
75) Fluoranthene	12.580	202	821362	79.554	ng	98
78) Pyrene	12.810	202	793898	63.019	ng	99
81) Benzo(a)anthracene	13.998	228	384571	41.111	ng	97
83) Chrysene	14.039	228	331250	37.440	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	126946	17.894	ng	94
88) Benzo(b)fluoranthene	15.051	252	324907m	51.870	ng	
89) Benzo(k)fluoranthene	15.074	252	75905m	12.440	ng	
90) Benzo(a)pyrene	15.409	252	215017	36.986	ng	96
91) Dibenzo(a,h)anthracene	16.945	278	31889	5.430	ng	# 80
92) Benzo(g,h,i)perylene	17.380	276	115993	19.919	ng	98

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

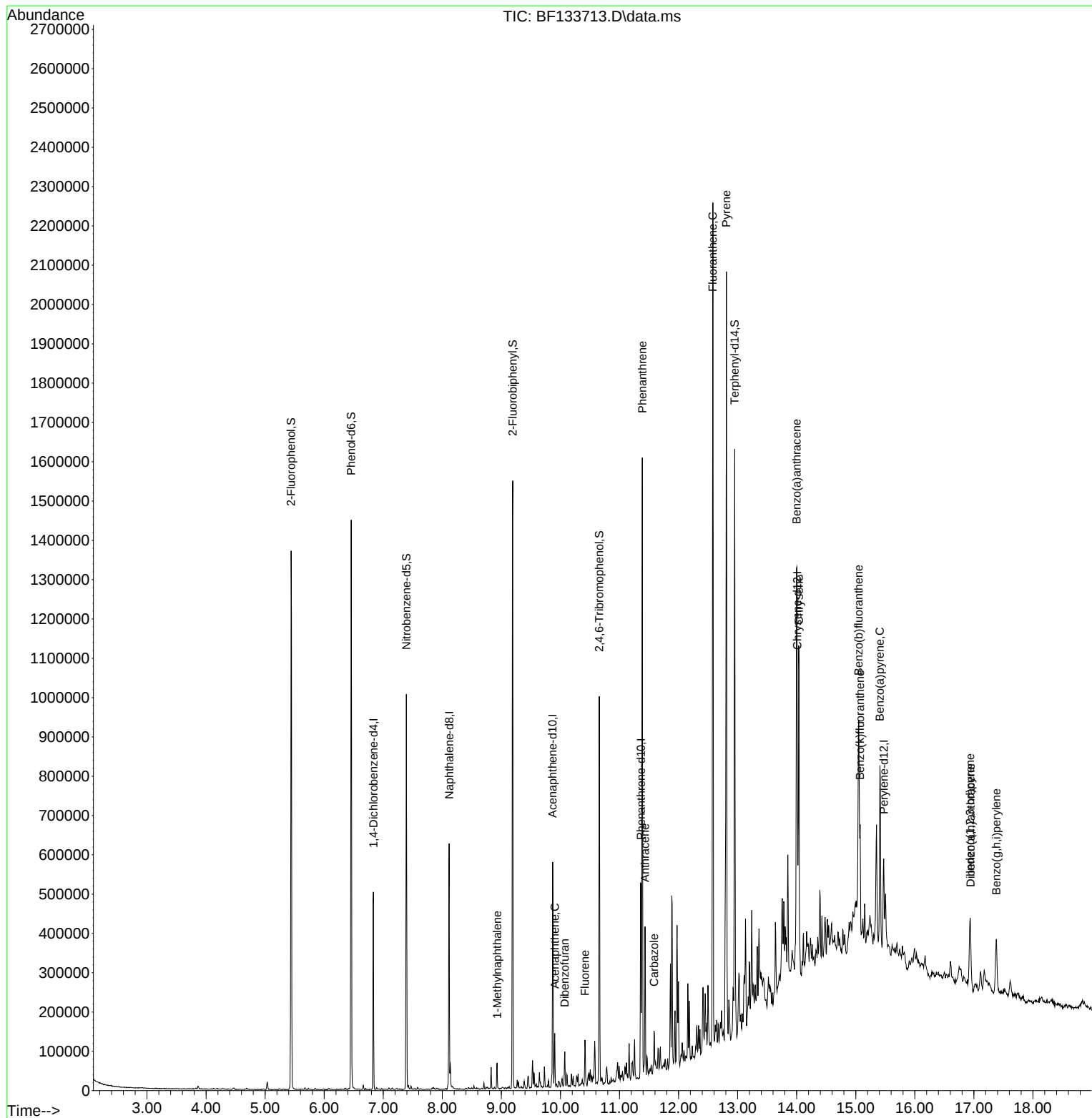
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Data File : BF133713.D
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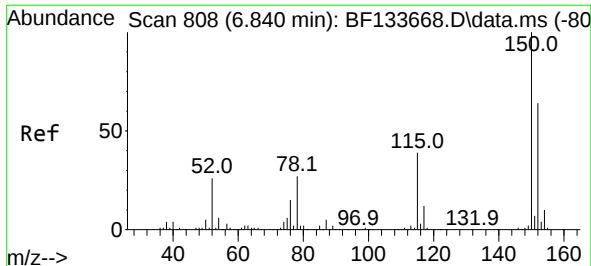
Instrument :
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SB-07-5.0-7.0

Quant Time: Jun 12 22:11:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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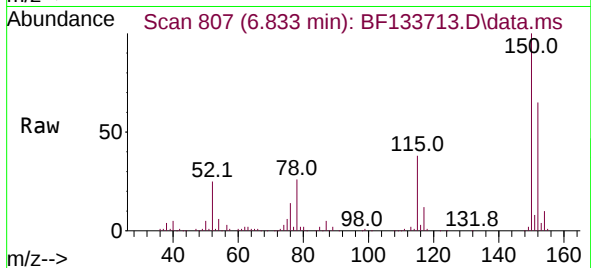
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

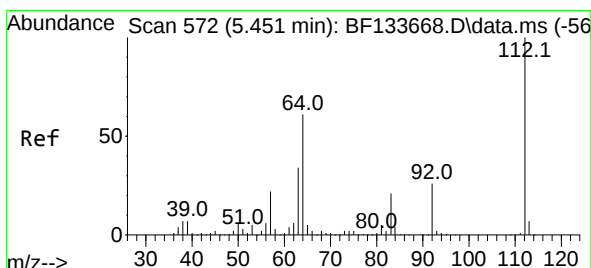
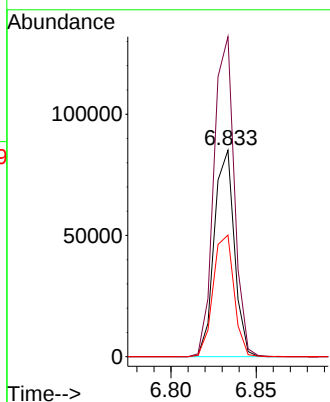
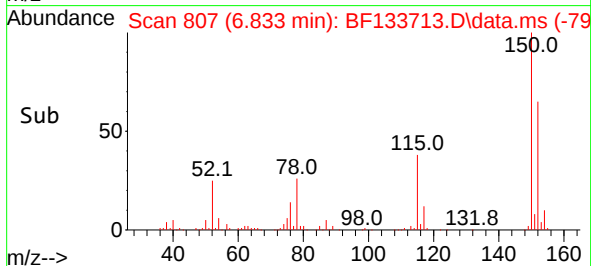
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0



Tgt Ion:152 Resp: 6993
Ion Ratio Lower Upper
152 100
150 155.0 124.3 186.5
115 58.9 48.5 72.7

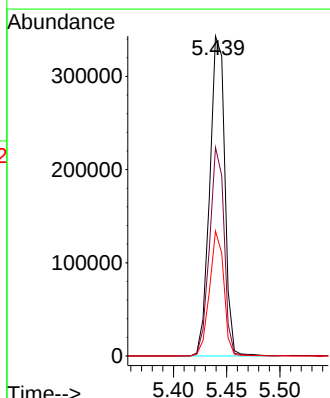
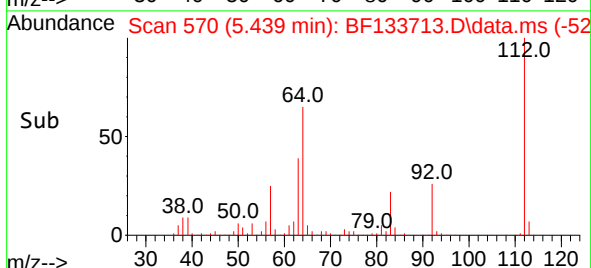
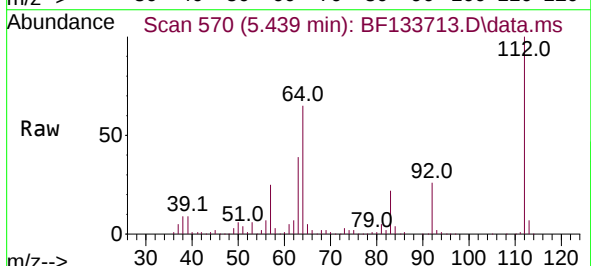
Manual Integrations
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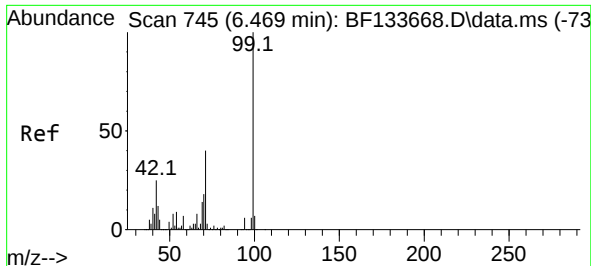
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 84.326 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

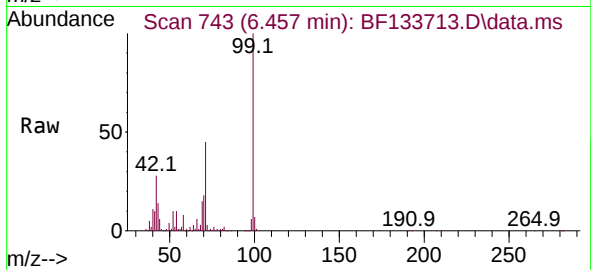
Tgt Ion:112 Resp: 338753
Ion Ratio Lower Upper
112 100
64 65.2 49.0 73.4
63 39.0 26.8 40.2





#7
Phenol-d6
Concen: 75.515 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

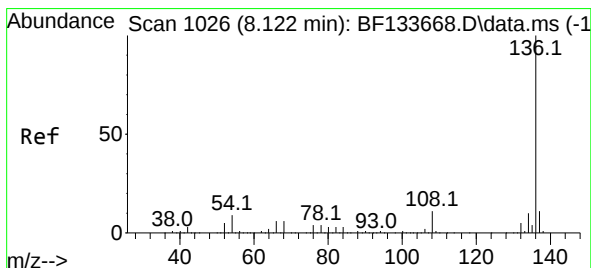
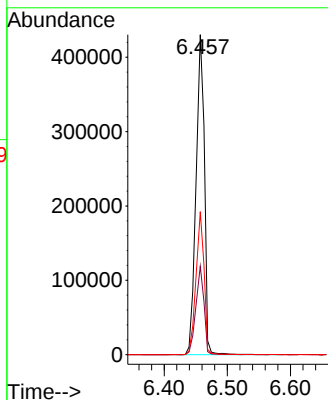
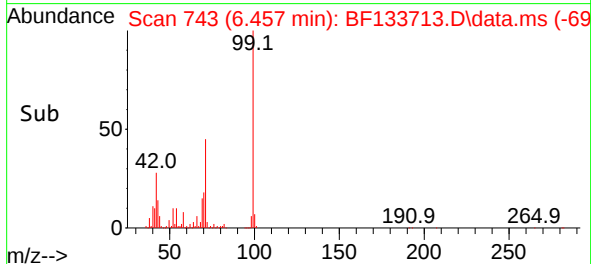
Instrument :
BNA_F
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SB-07-5.0-7.0



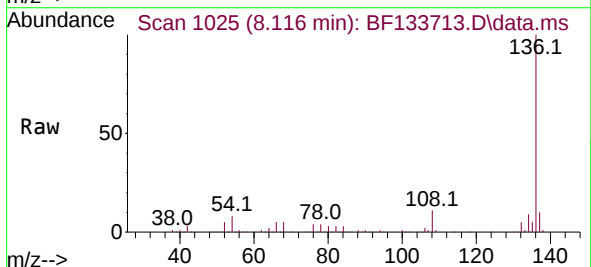
Tgt Ion: 99 Resp: 39486
Ion Ratio Lower Upper
99 100
42 27.7 19.9 29.9
71 44.7 32.2 48.4

Manual Integrations
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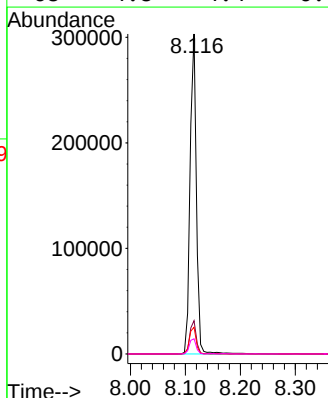
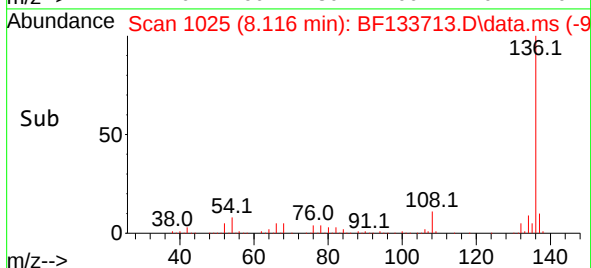
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

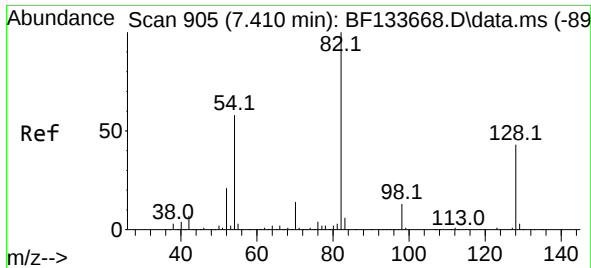


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09



Tgt Ion:136 Resp: 240253
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.4 7.4 11.0
68 4.8 4.4 6.6





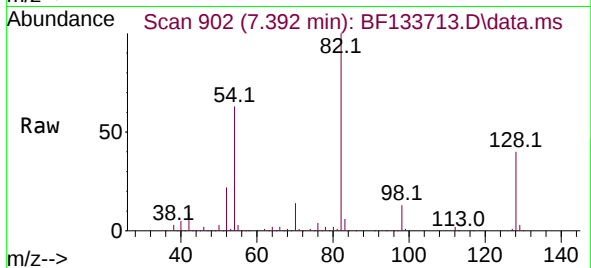
#23
Nitrobenzene-d5
Concen: 60.034 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

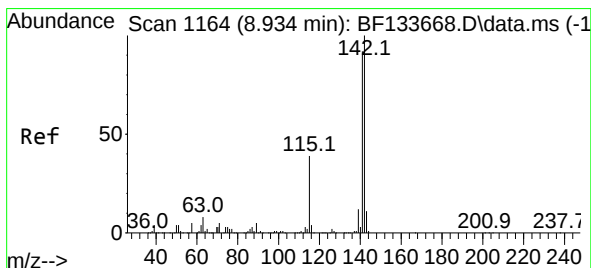
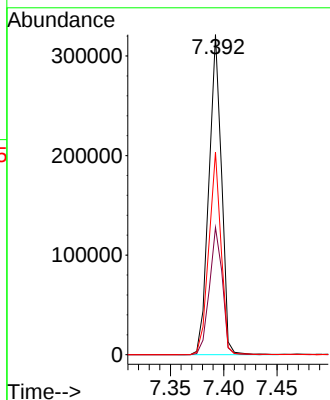
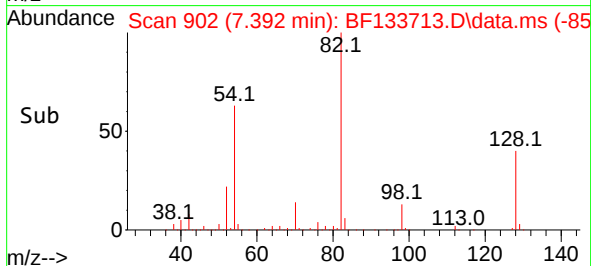


Tgt Ion: 82 Resp: 264808
Ion Ratio Lower Upper
82 100
128 39.7 34.2 51.2
54 63.3 46.5 69.7

Manual Integrations

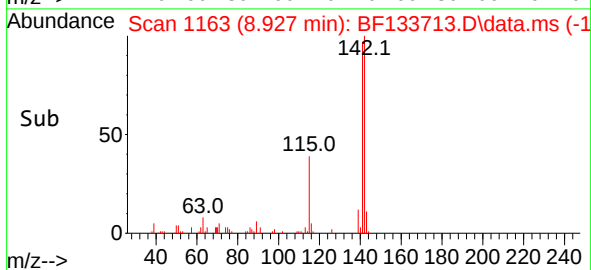
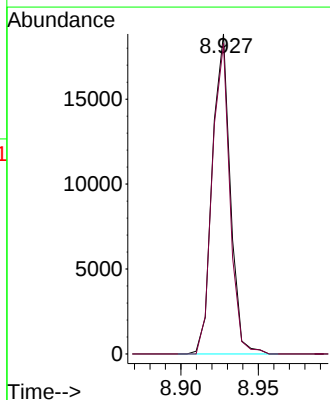
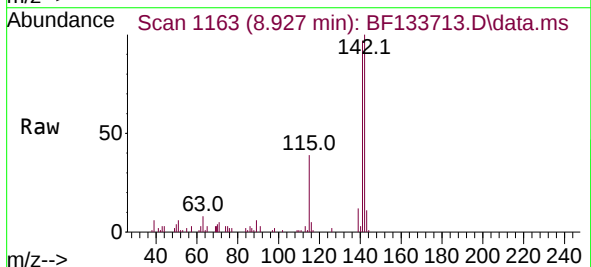
APPROVED

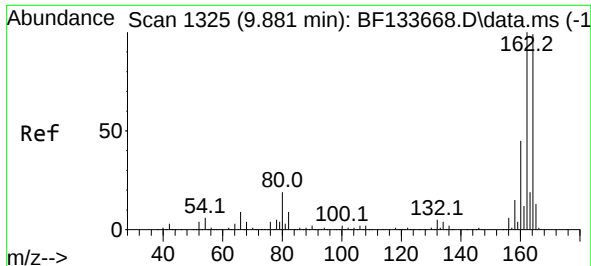
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#38
1-Methylnaphthalene
Concen: 2.026 ng
RT: 8.927 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:142 Resp: 15163
Ion Ratio Lower Upper
142 100
141 97.0 73.4 110.0





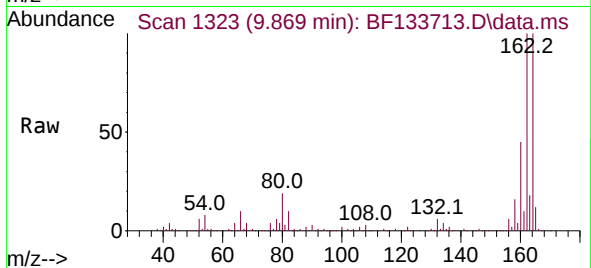
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0



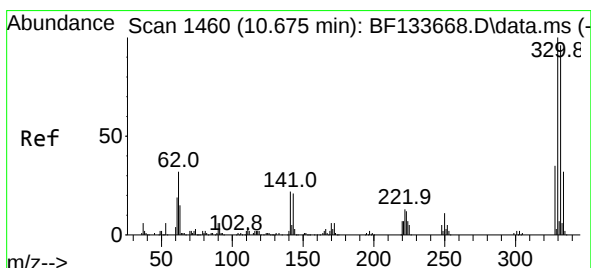
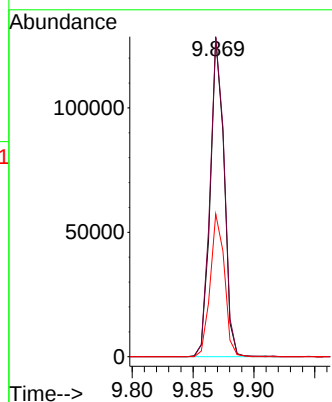
Tgt Ion:164 Resp: 100984
Ion Ratio Lower Upper
164 100
162 100.4 80.8 121.2
160 44.8 36.7 55.1

Manual Integrations

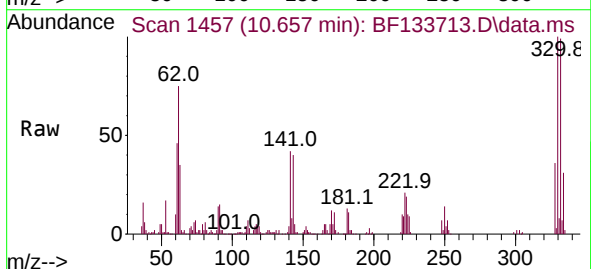
APPROVED

Reviewed By :Yogesh Patel 06/13/2023

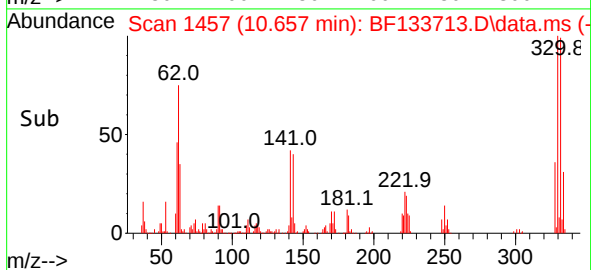
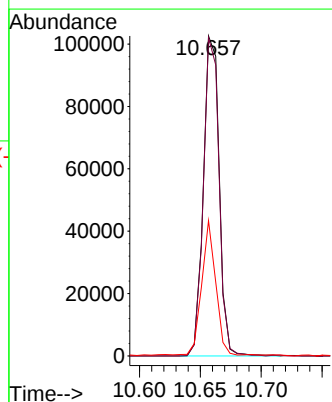
Supervised By :mohammad ahmed 06/13/2023

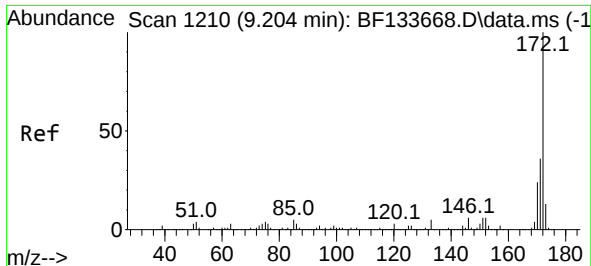


#42
2,4,6-Tribromophenol
Concen: 72.633 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09



Tgt Ion:330 Resp: 92845
Ion Ratio Lower Upper
330 100
332 98.0 77.2 115.8
141 36.6 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 61.833 ng

RT: 9.192 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

Tgt Ion:172 Resp: 43926

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

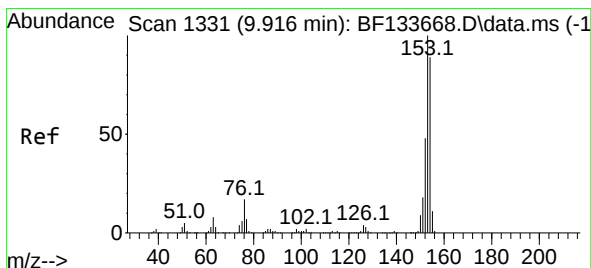
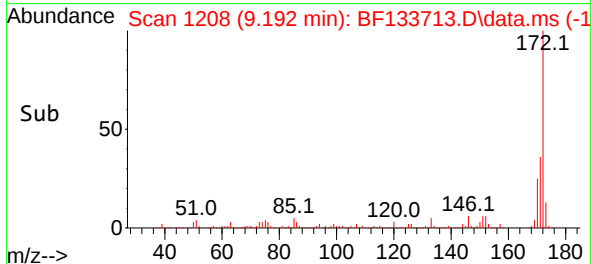
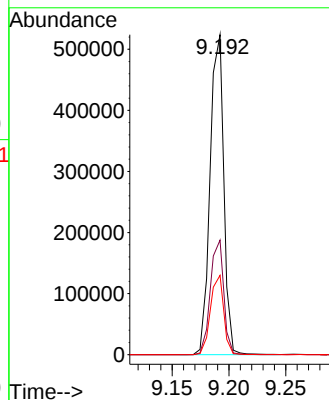
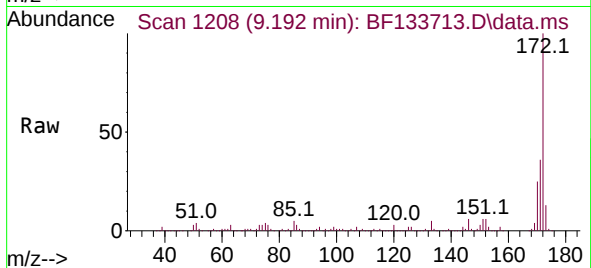
170 24.8 19.1 28.7

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2023



#52

Acenaphthene

Concen: 4.229 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

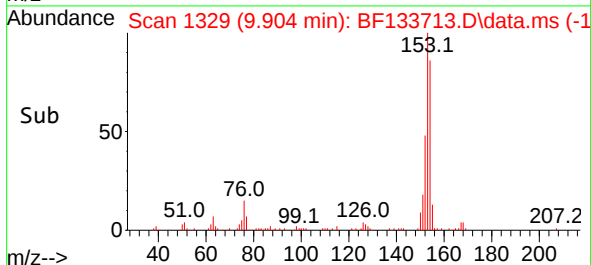
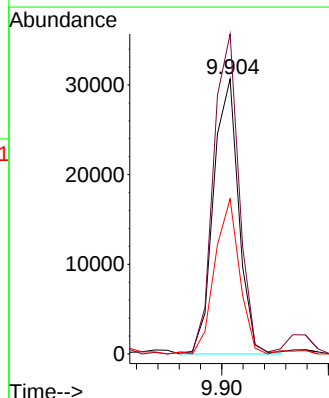
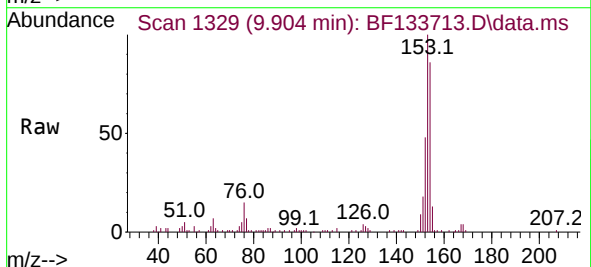
Tgt Ion:154 Resp: 25168

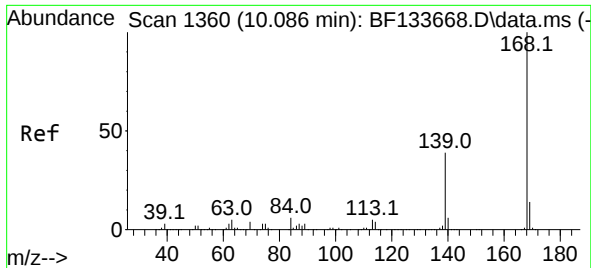
Ion Ratio Lower Upper

154 100

153 116.3 89.8 134.8

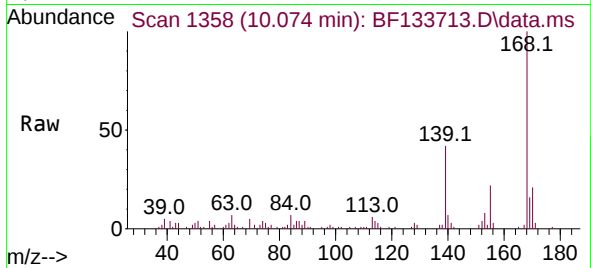
152 56.4 43.4 65.2





#55
Dibenzenofuran
Concen: 2.151 ng
RT: 10.074 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

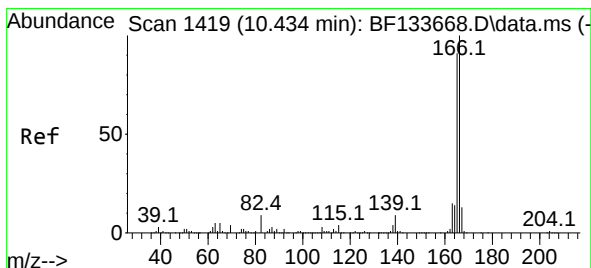
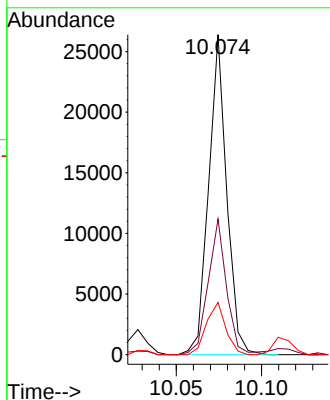
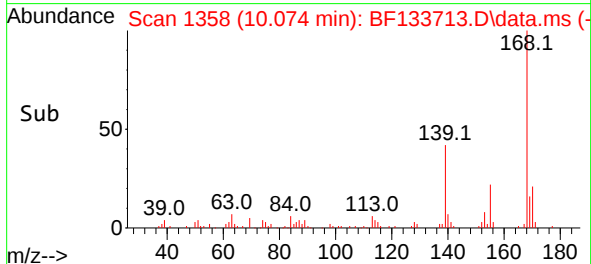
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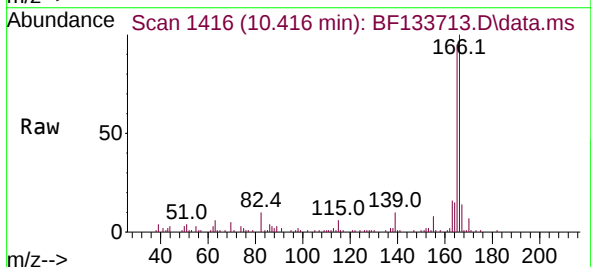
Tgt Ion:168 Resp: 1953
Ion Ratio Lower Upper
168 100
139 42.4 30.9 46.3
169 16.3 10.9 16.3

Manual Integrations
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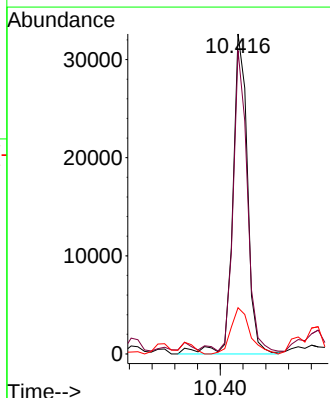
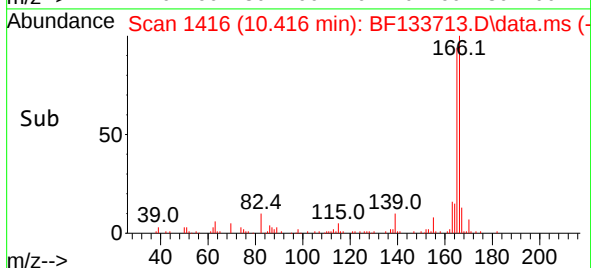
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

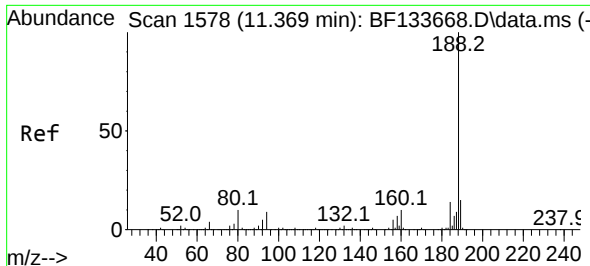


#58
Fluorene
Concen: 4.185 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09



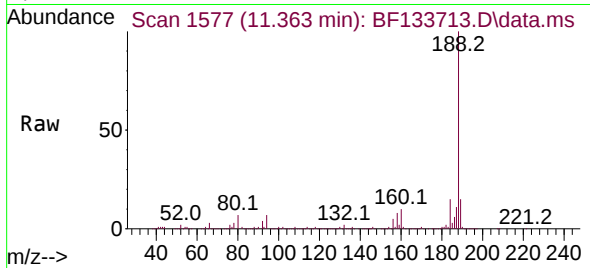
Tgt Ion:166 Resp: 29067
Ion Ratio Lower Upper
166 100
165 94.9 73.1 109.7
167 14.4 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

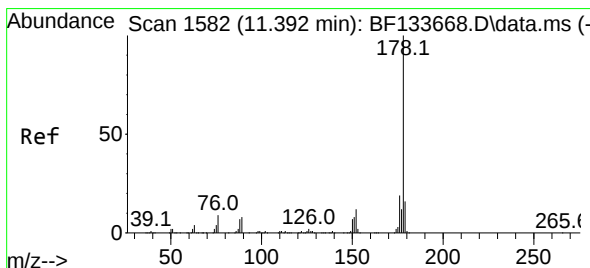
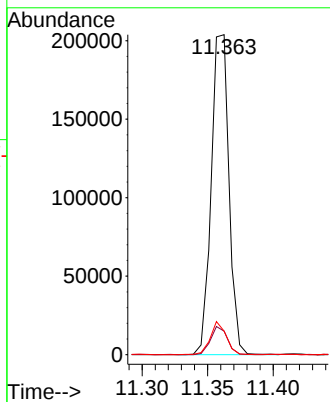
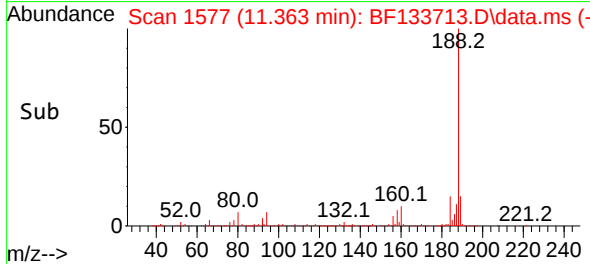
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0



Tgt Ion:188 Resp: 19163
Ion Ratio Lower Upper
188 100
94 7.3 6.8 10.2
80 7.4 7.8 11.6

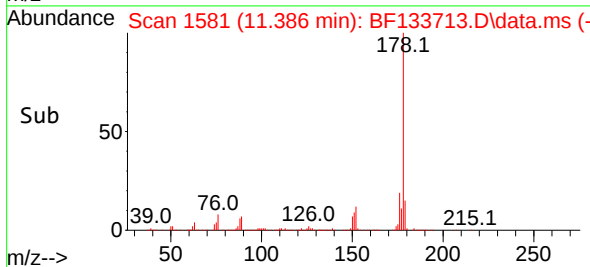
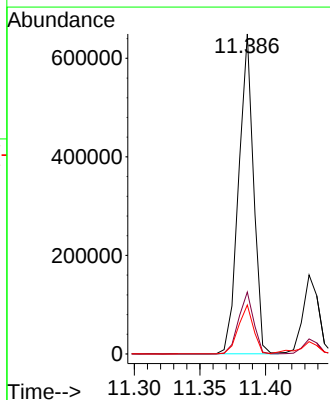
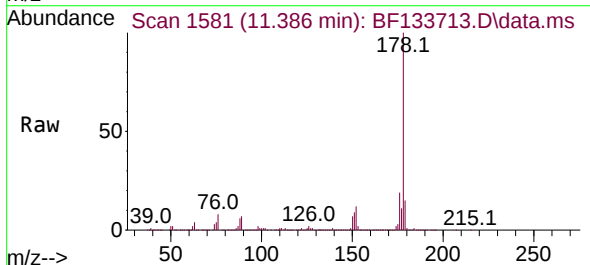
Manual Integrations
APPROVED

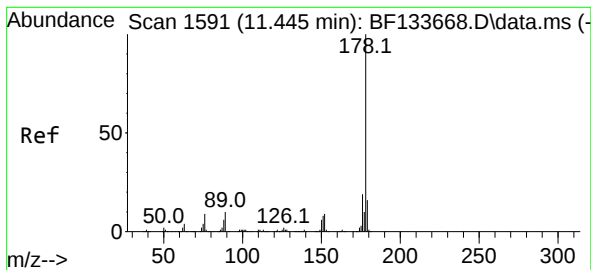
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#71
Phenanthrene
Concen: 52.837 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

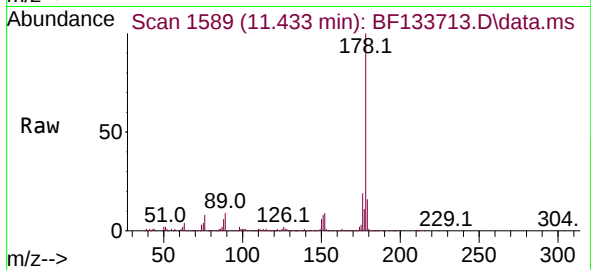
Tgt Ion:178 Resp: 513712
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.3 12.4 18.6





#72
 Anthracene
 Concen: 12.755 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133713.D
 Acq: 12 Jun 2023 20:09

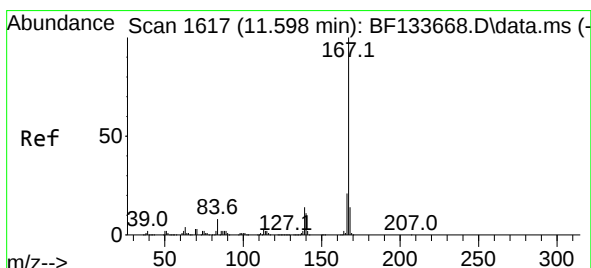
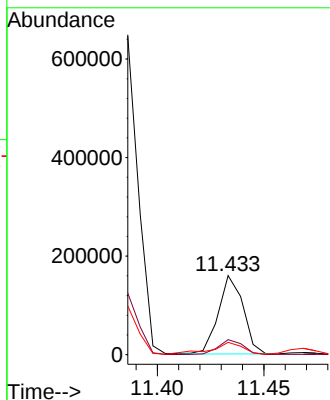
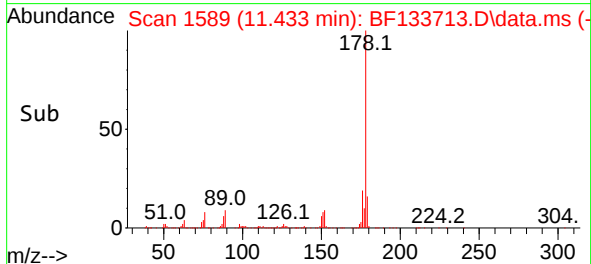
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-5.0-7.0



Tgt Ion:178 Resp: 129302
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.1 22.7
 179 15.6 12.6 18.8

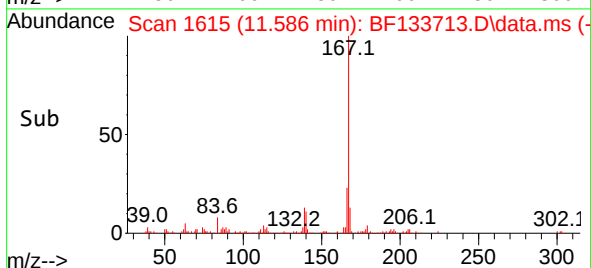
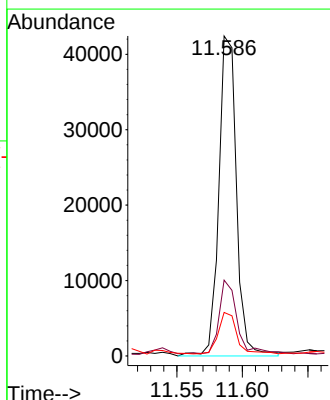
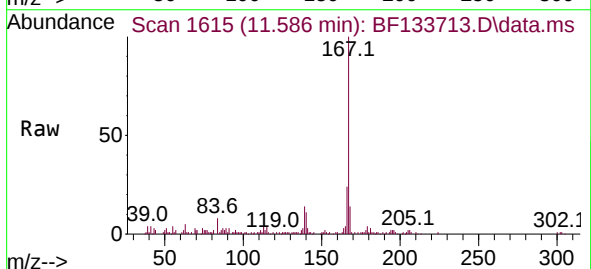
Manual Integrations
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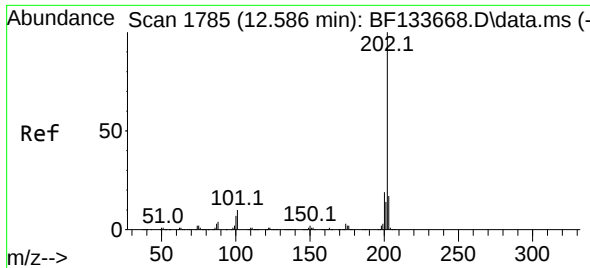
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023



#73
 Carbazole
 Concen: 4.204 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF133713.D
 Acq: 12 Jun 2023 20:09

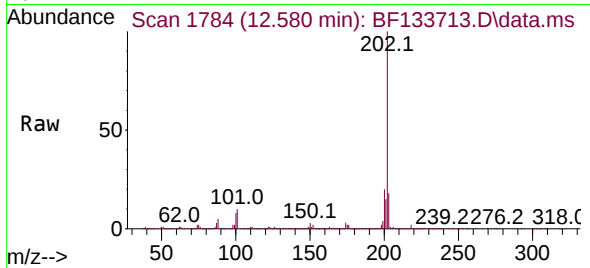
Tgt Ion:167 Resp: 39696
 Ion Ratio Lower Upper
 167 100
 166 23.7 17.0 25.6
 139 13.6 11.2 16.8





#75
Fluoranthene
Concen: 79.554 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

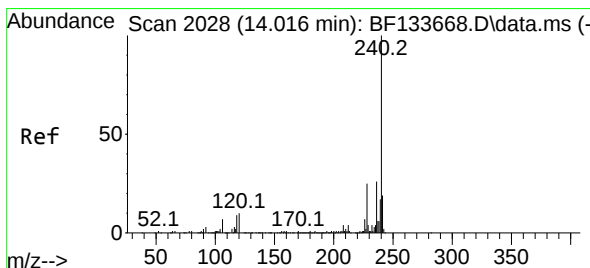
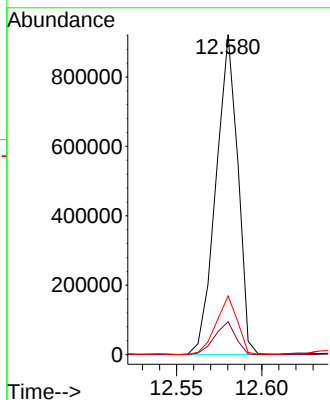
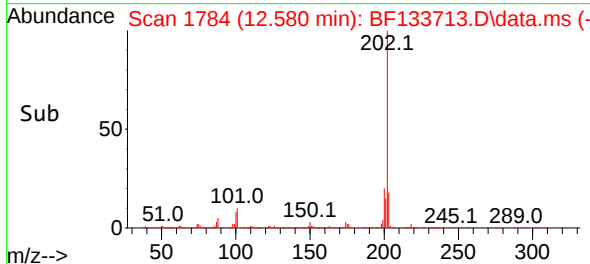
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0



Tgt Ion:202 Resp: 821362
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.6
203 18.4 0.0 37.4

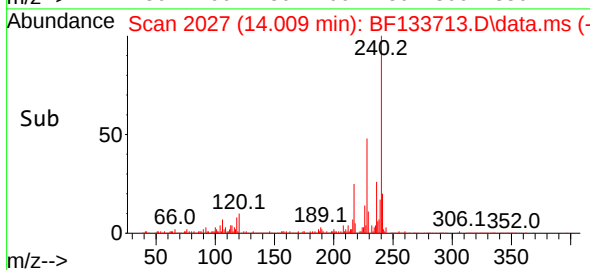
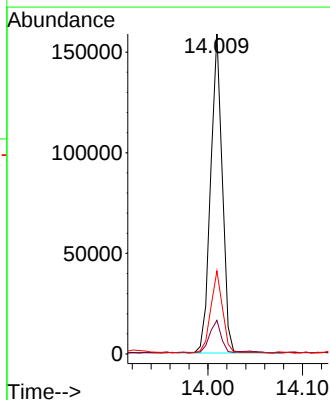
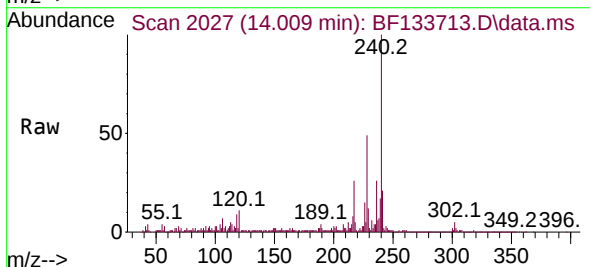
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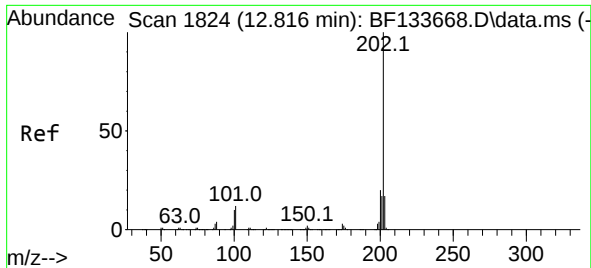
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:240 Resp: 135237
Ion Ratio Lower Upper
240 100
120 10.5 8.1 12.1
236 25.9 20.5 30.7





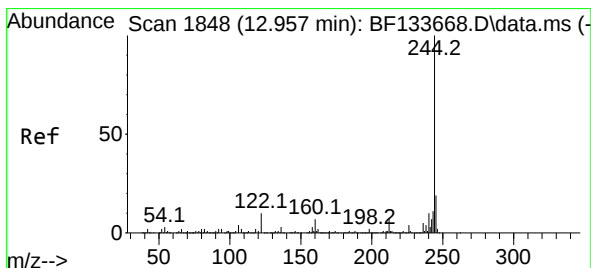
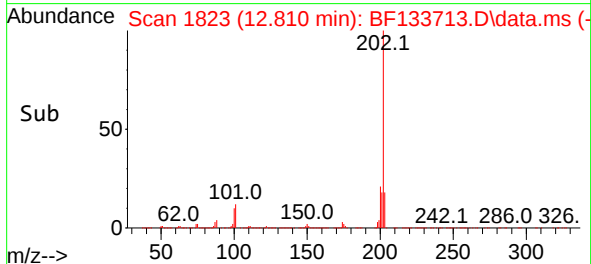
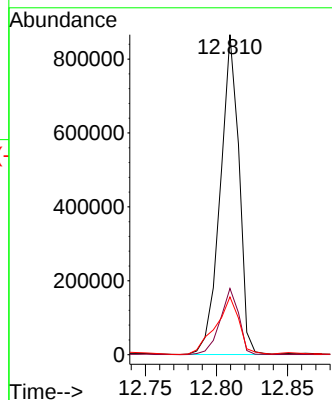
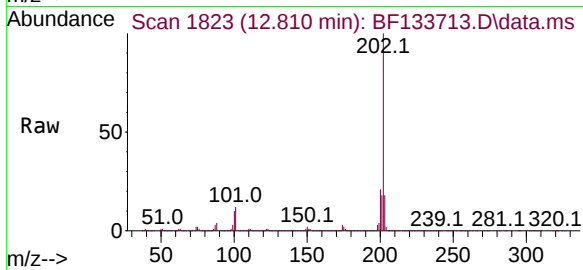
#78
Pyrene
Concen: 63.019 ng
RT: 12.810 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0

Tgt Ion:202 Resp: 793898
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 18.1 13.9 20.9

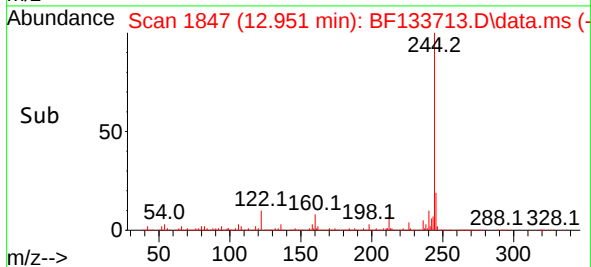
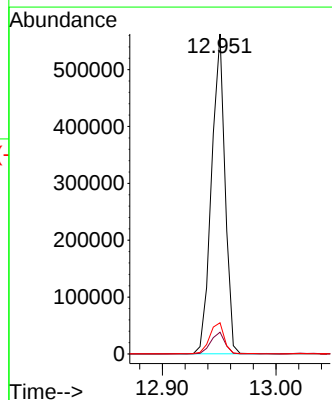
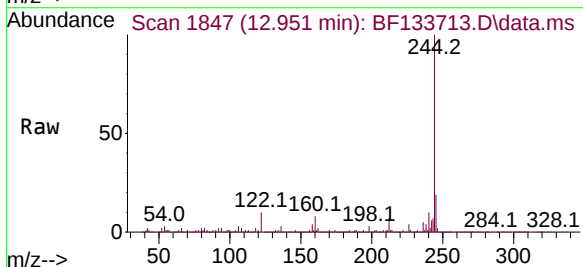
Manual Integrations
APPROVED

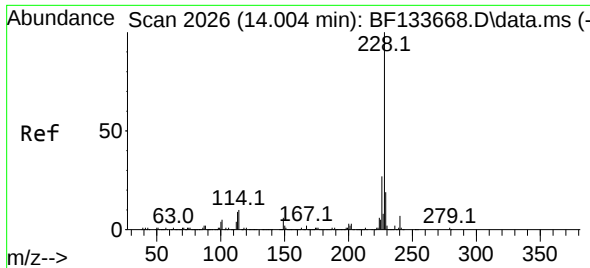
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#79
Terphenyl-d14
Concen: 53.044 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:244 Resp: 463604
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 9.7 8.1 12.1





#81
Benzo(a)anthracene
Concen: 41.111 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

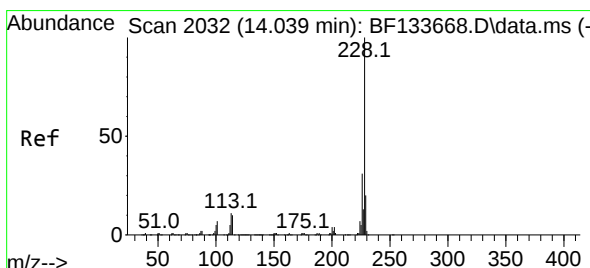
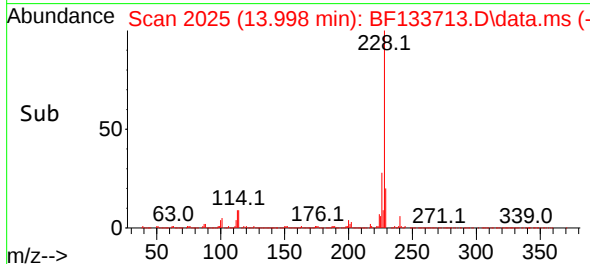
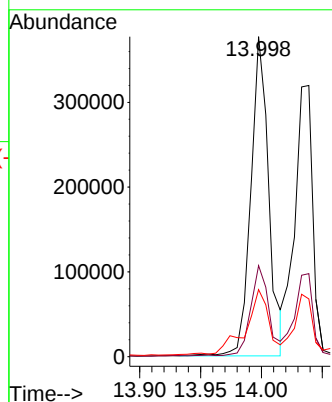
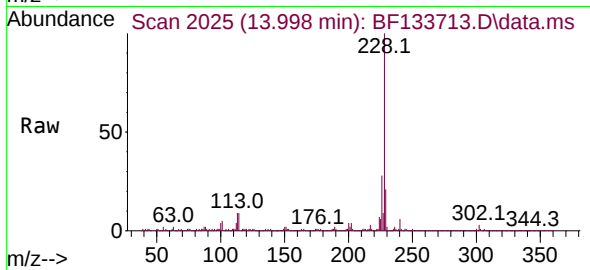
SB-07-5.0-7.0

Tgt Ion:228 Resp: 38457
Ion Ratio Lower Upper
228 100
226 28.4 21.7 32.5
229 20.9 15.4 23.2

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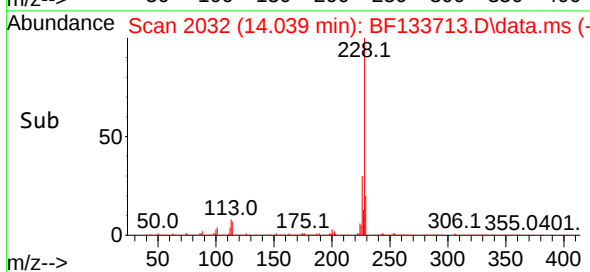
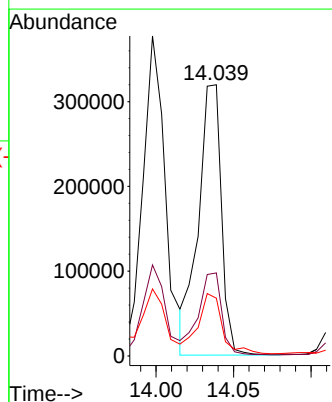
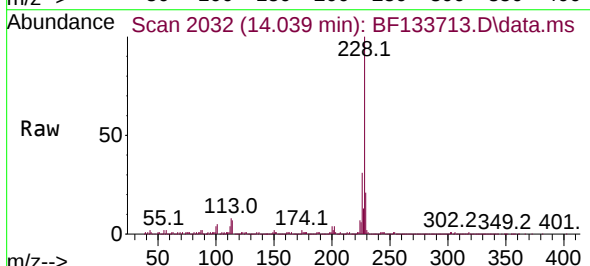
APPROVED

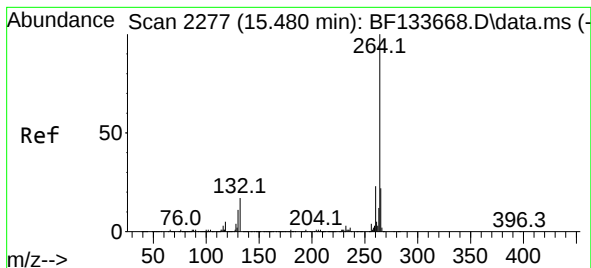
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#83
Chrysene
Concen: 37.440 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

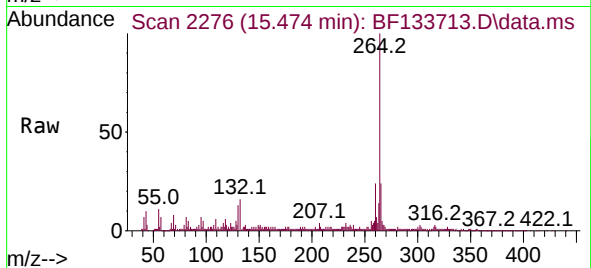
Tgt Ion:228 Resp: 331250
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 21.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

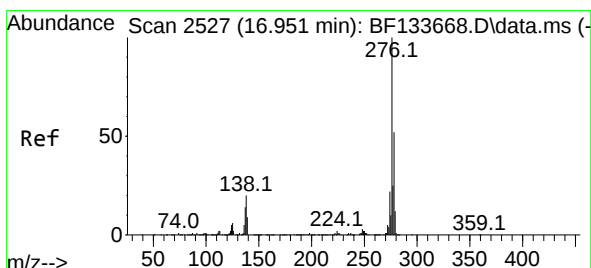
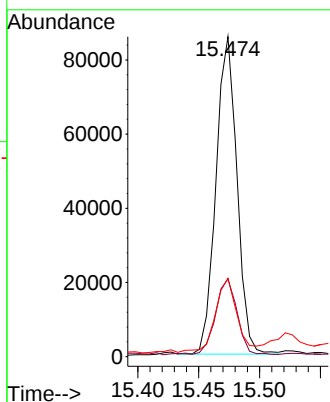
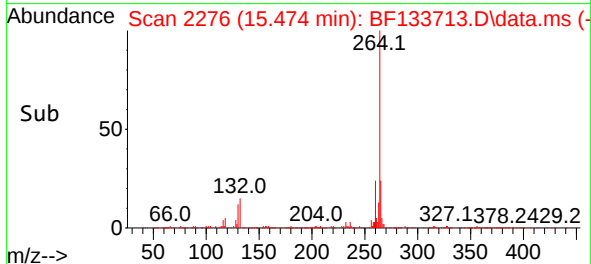
Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0



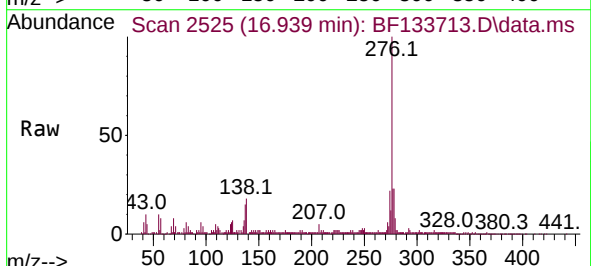
Tgt Ion:264 Resp: 10311
Ion Ratio Lower Upper
264 100
260 24.3 18.2 27.2
265 24.5 17.8 26.6

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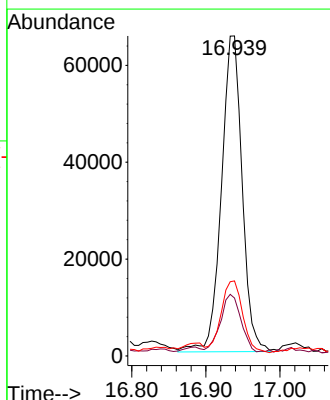
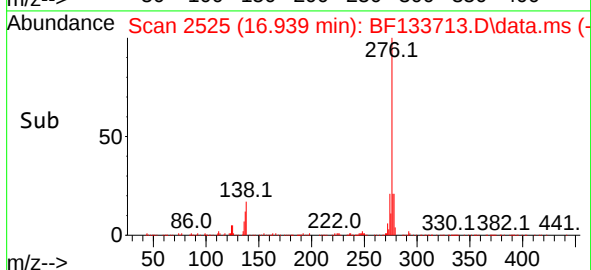
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

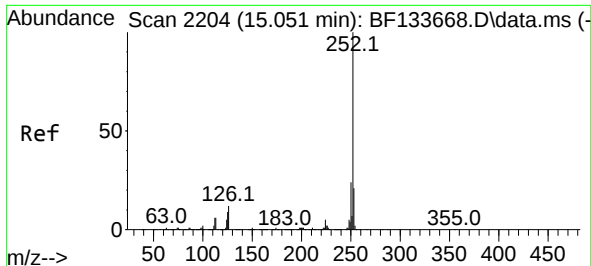


#87
Indeno(1,2,3-cd)pyrene
Concen: 17.894 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09



Tgt Ion:276 Resp: 126946
Ion Ratio Lower Upper
276 100
138 18.0 17.9 26.9
277 23.6 20.3 30.5





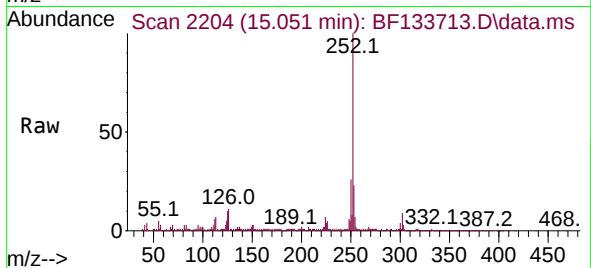
#88
Benzo(b)fluoranthene
Concen: 51.870 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

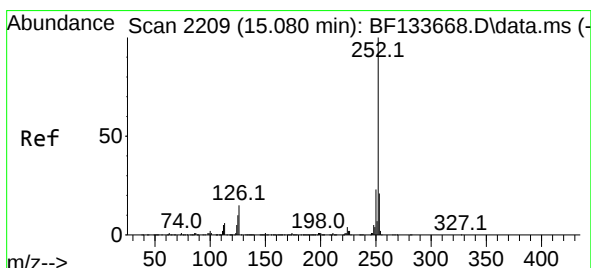
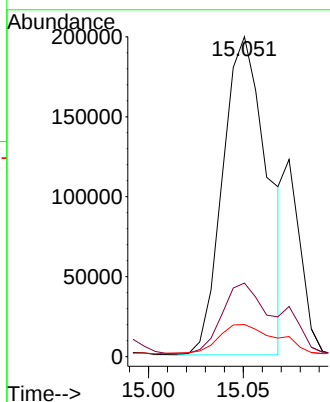
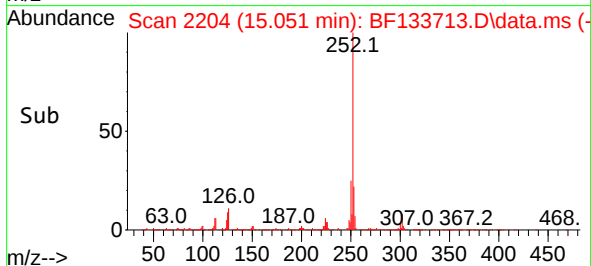


Tgt Ion:252 Resp: 32490
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 10.0 7.3 10.9

Manual Integrations

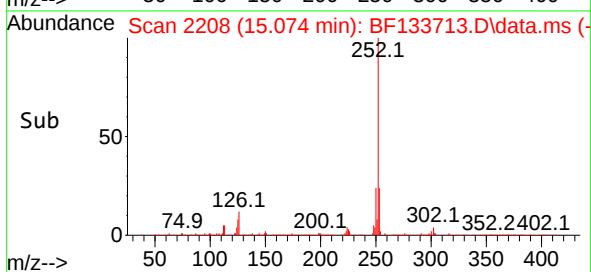
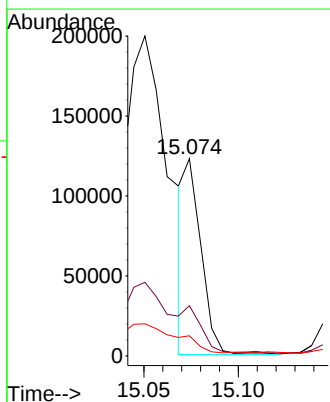
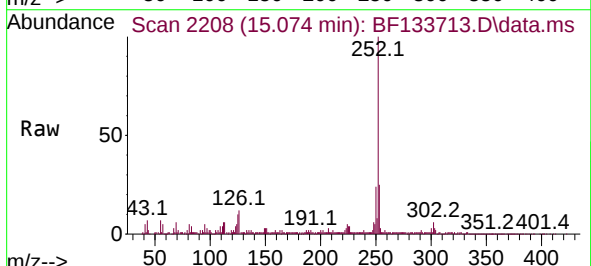
APPROVED

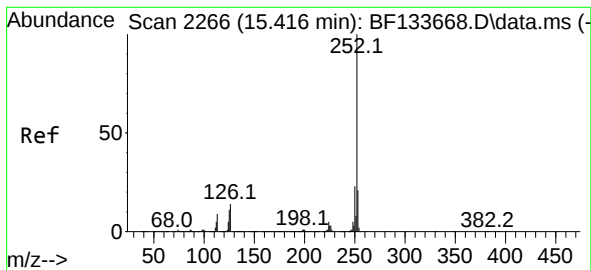
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#89
Benzo(k)fluoranthene
Concen: 12.440 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Tgt Ion:252 Resp: 75905
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.4#
125 10.2 7.8 11.6





#90

Benzo(a)pyrene

Concen: 36.986 ng

RT: 15.409 min Scan# 21501

Delta R.T. -0.006 min

Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Instrument :

BNA_F

ClientSampleId :

SB-07-5.0-7.0

Tgt Ion:252 Resp: 21501

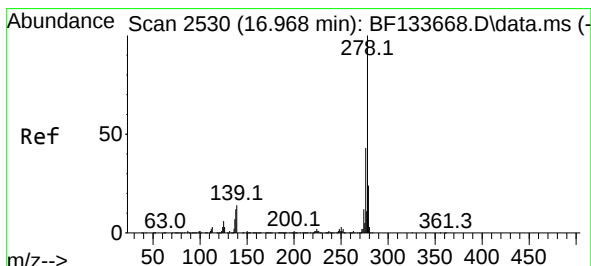
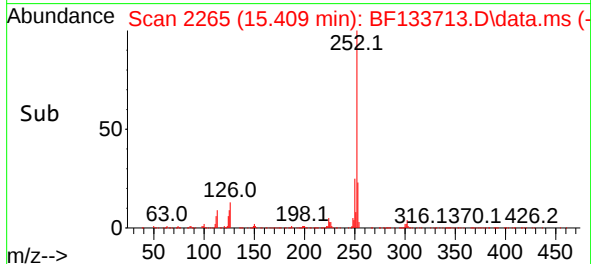
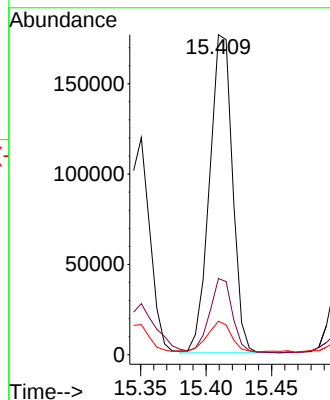
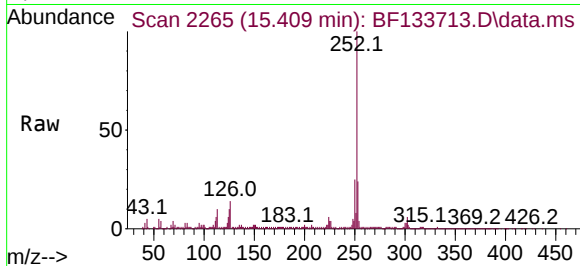
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	10.5	8.6	13.0

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#91

Dibenzo(a,h)anthracene

Concen: 5.430 ng

RT: 16.945 min Scan# 2526

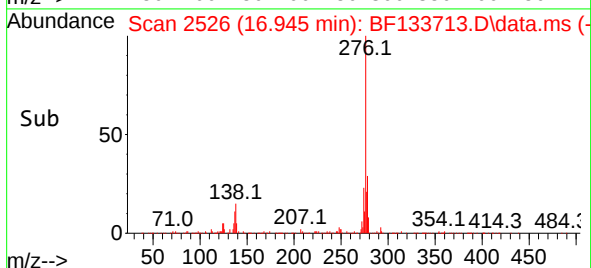
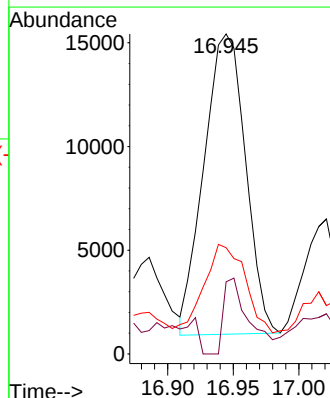
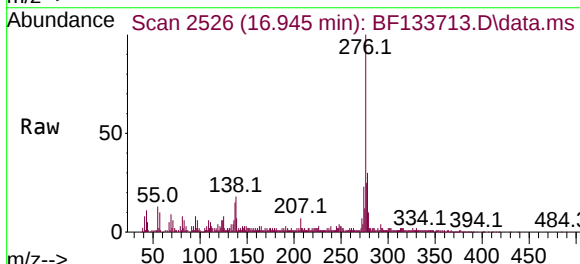
Delta R.T. -0.018 min

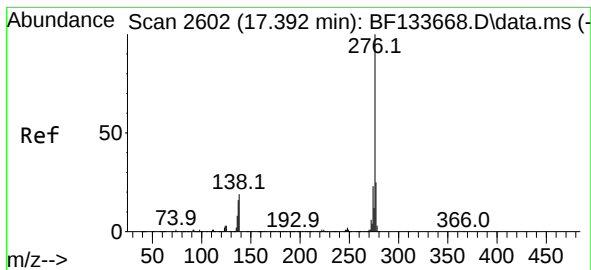
Lab File: BF133713.D

Acq: 12 Jun 2023 20:09

Tgt Ion:278 Resp: 31889

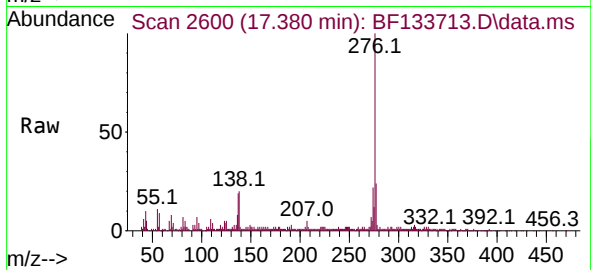
Ion	Ratio	Lower	Upper
278	100		
139	22.6	11.4	17.2#
279	33.2	19.0	28.4#





#92
Benzo(g,h,i)perylene
Concen: 19.919 ng
RT: 17.380 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133713.D
Acq: 12 Jun 2023 20:09

Instrument :
BNA_F
ClientSampleId :
SB-07-5.0-7.0



Tgt Ion:276 Resp: 11599
Ion Ratio Lower Upper
276 100
277 23.9 19.8 29.8
138 19.6 15.0 22.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

