

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133711.D
 Acq On : 12 Jun 2023 19:04
 Operator : CG\JU
 Sample : 03044-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0

Quant Time: Jun 12 22:10:57 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	6.828	152	64863	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	236506	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	103378	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	169159	20.000	ng	0.00
76) Chrysene-d12	14.004	240	136614	20.000	ng	-0.01
86) Perylene-d12	15.468	264	109529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	432637	116.118	ng	0.00
7) Phenol-d6	6.457	99	515841	106.364	ng	-0.01
23) Nitrobenzene-d5	7.392	82	350482	80.715	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	120355	91.974	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	618709	85.077	ng	0.00
79) Terphenyl-d14	12.951	244	568273	64.365	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.904	154	38972	6.396	ng	99
55) Dibenzofuran	10.075	168	46761	5.030	ng	100
58) Fluorene	10.416	166	40849	5.745	ng	98
71) Phenanthrene	11.386	178	462835	53.929	ng	99
72) Anthracene	11.433	178	127599	14.259	ng	99
73) Carbazole	11.586	167	33392	4.006	ng	98
75) Fluoranthene	12.580	202	684582	75.115	ng	98
78) Pyrene	12.810	202	620760	48.778	ng	99
81) Benzo(a)anthracene	13.998	228	314151	33.245	ng	98
83) Chrysene	14.033	228	280245	31.356	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	105703	14.028	ng	97
88) Benzo(b)fluoranthene	15.045	252	289241m	43.473	ng	
89) Benzo(k)fluoranthene	15.068	252	77641m	11.979	ng	
90) Benzo(a)pyrene	15.404	252	198939	32.217	ng	97
91) Dibenzo(a,h)anthracene	16.933	278	27521	4.412	ng	# 82
92) Benzo(g,h,i)perylene	17.368	276	99195	16.037	ng	99

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

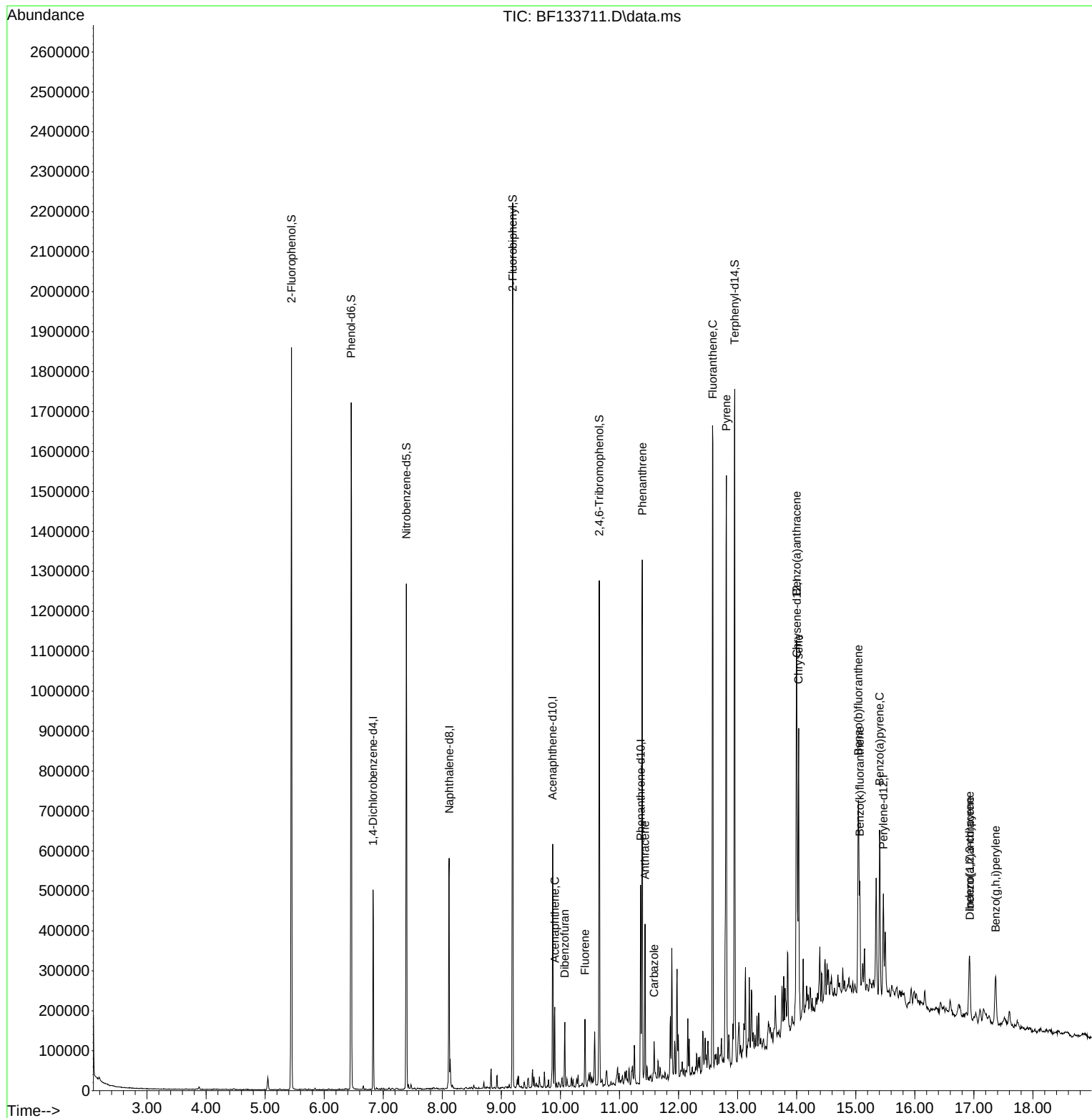
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133711.D
Acq On : 12 Jun 2023 19:04
Operator : CG\JU
Sample : 03044-08
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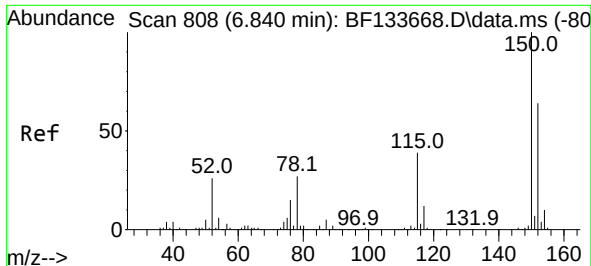
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

Quant Time: Jun 12 22:10:57 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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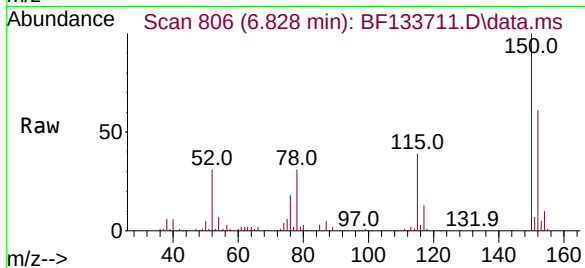
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

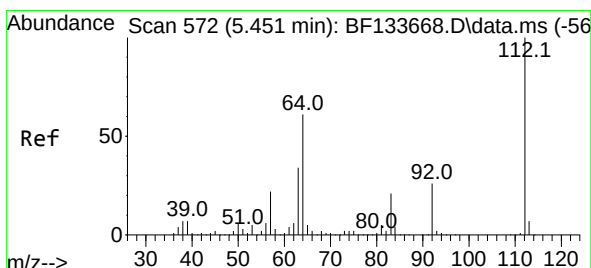
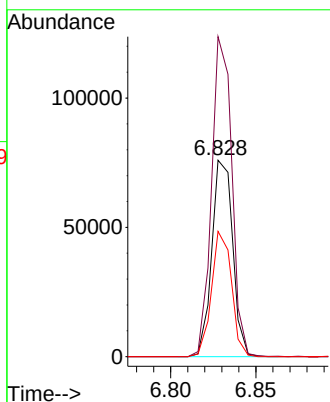
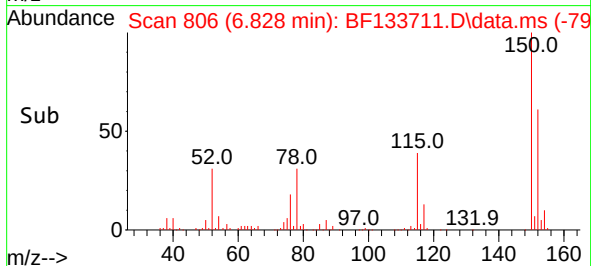
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0



Tgt Ion:152 Resp: 6486
Ion Ratio Lower Upper
152 100
150 162.8 124.3 186.5
115 63.8 48.5 72.7

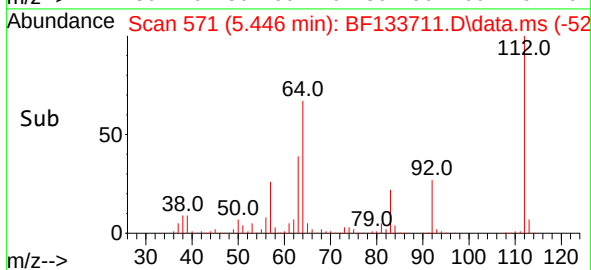
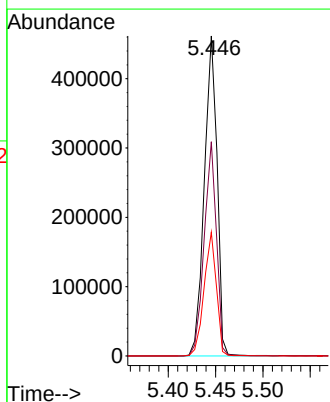
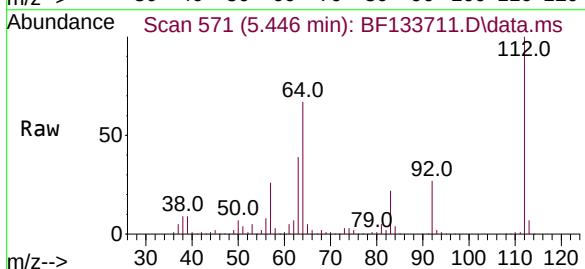
Manual Integrations
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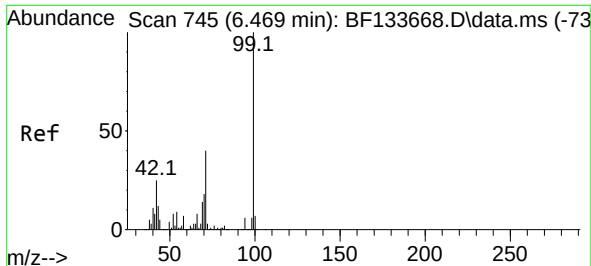
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#5
2-Fluorophenol
Concen: 116.118 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

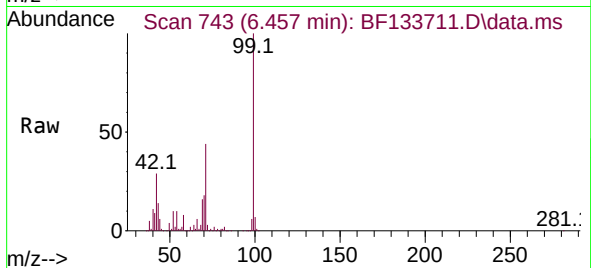
Tgt Ion:112 Resp: 432637
Ion Ratio Lower Upper
112 100
64 66.9 49.0 73.4
63 38.6 26.8 40.2





#7
Phenol-d6
Concen: 106.364 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

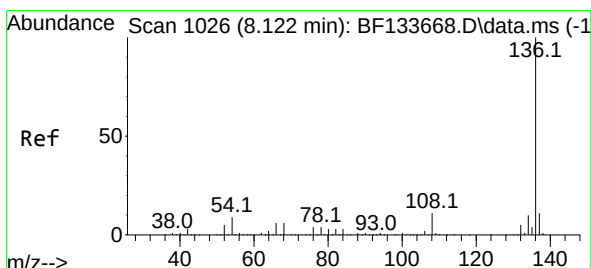
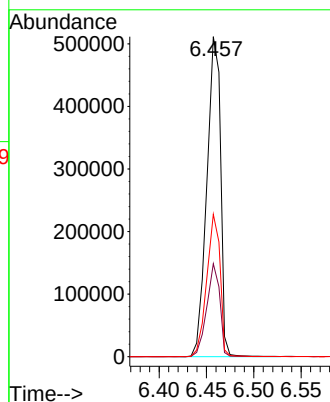
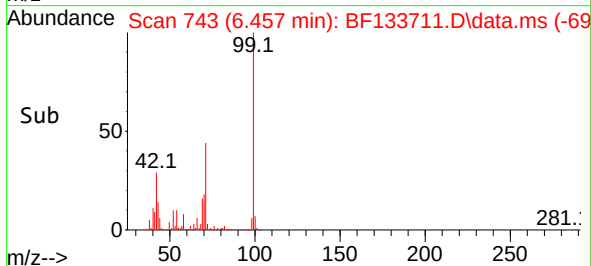
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0



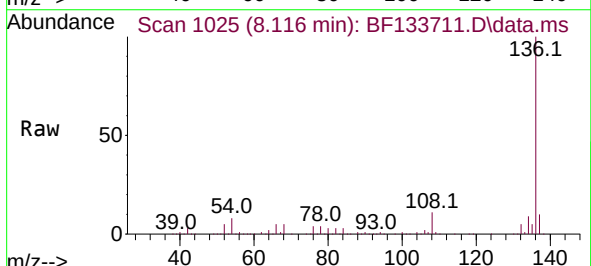
Tgt Ion: 99 Resp: 51584
Ion Ratio Lower Upper
99 100
42 29.0 19.9 29.9
71 44.5 32.2 48.4

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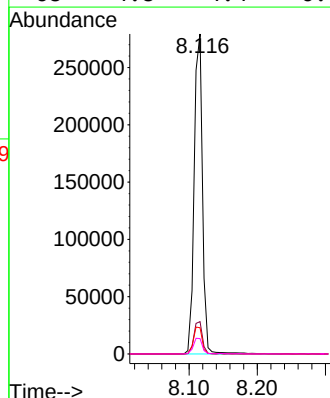
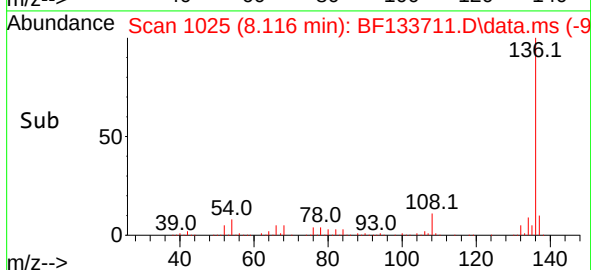
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

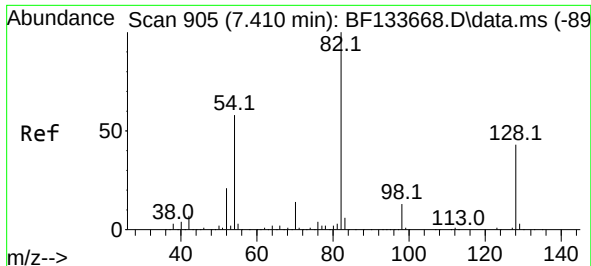


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04



Tgt Ion:136 Resp: 236506
Ion Ratio Lower Upper
136 100
137 10.1 8.8 13.2
54 8.2 7.4 11.0
68 4.8 4.4 6.6





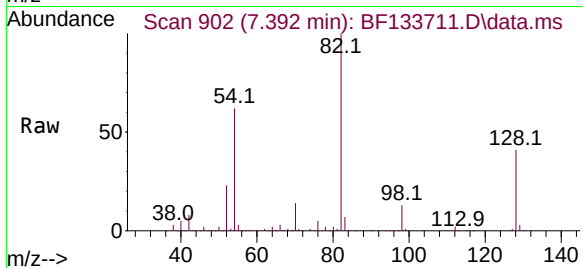
#23
Nitrobenzene-d5
Concen: 80.715 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

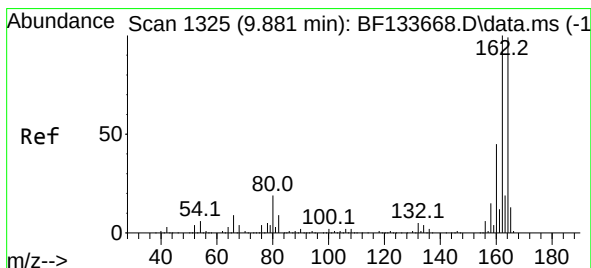
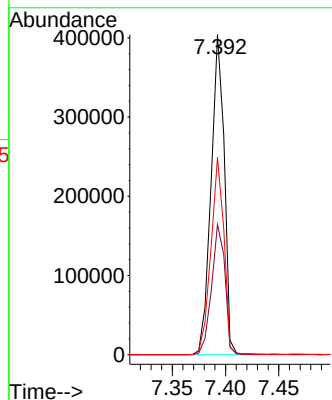
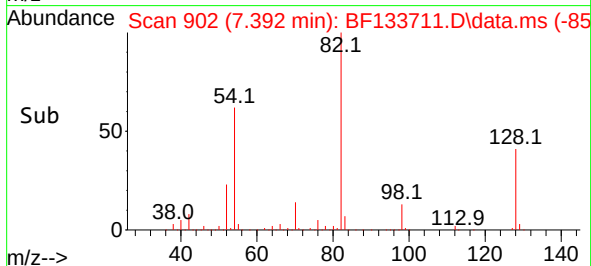
SB-04-0-2.0



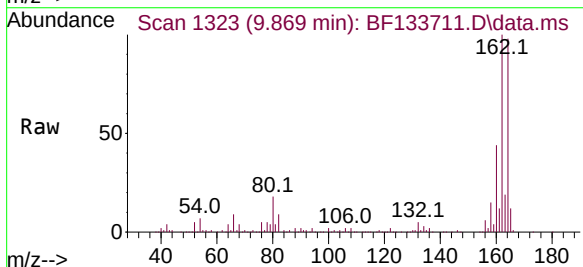
Tgt Ion: 82 Resp: 350482
Ion Ratio Lower Upper
82 100
128 40.7 34.2 51.2
54 61.6 46.5 69.7

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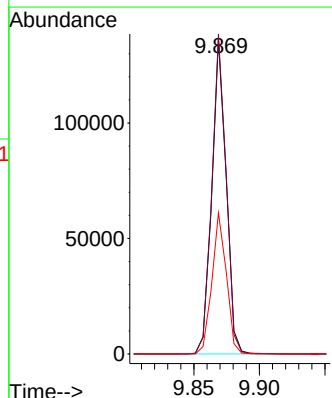
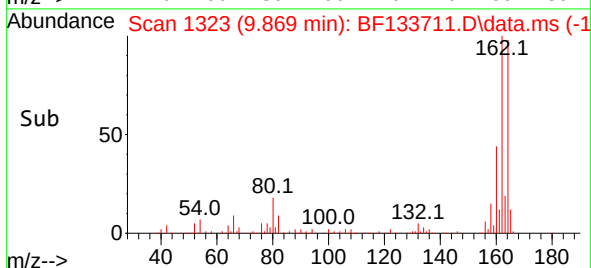
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

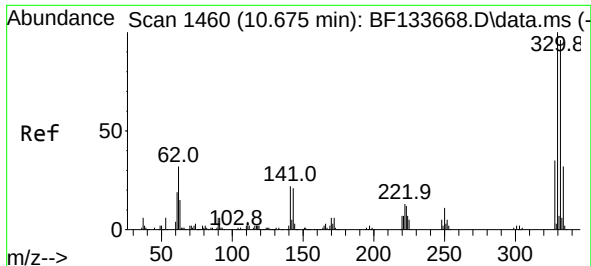


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04



Tgt Ion:164 Resp: 103378
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 44.9 36.7 55.1





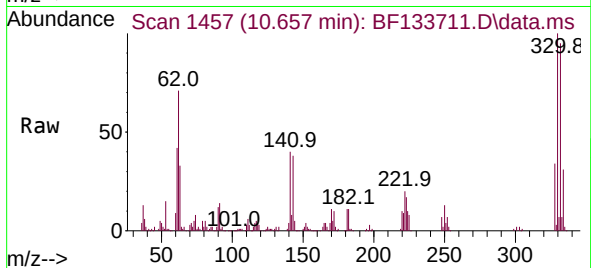
#42
2,4,6-Tribromophenol
Concen: 91.974 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0



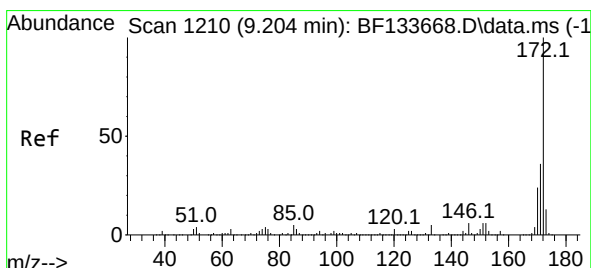
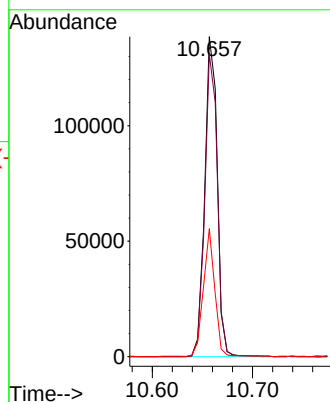
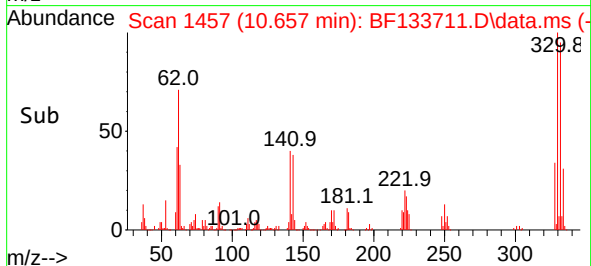
Tgt Ion:330 Resp: 12035
Ion Ratio Lower Upper
330 100
332 95.2 77.2 115.8
141 37.4 24.9 37.3

Manual Integrations

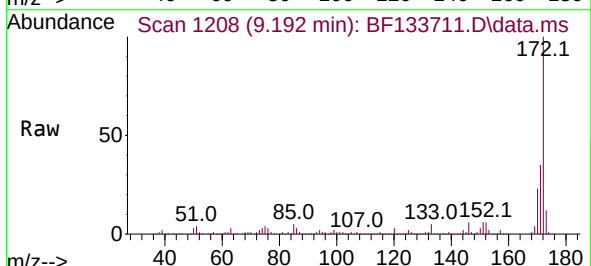
APPROVED

Reviewed By :Yogesh Patel 06/13/2023

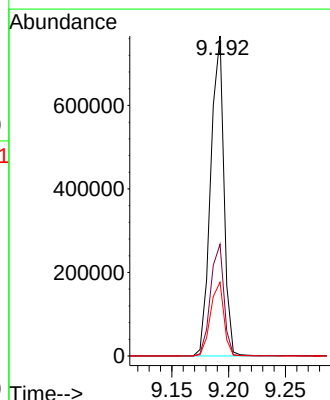
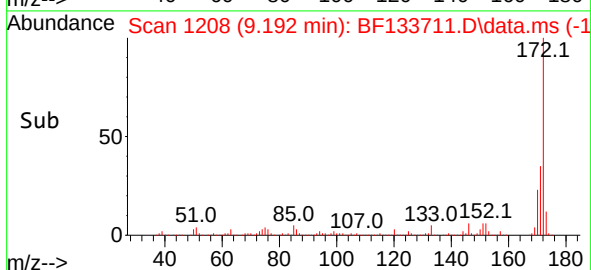
Supervised By :mohammad ahmed 06/13/2023

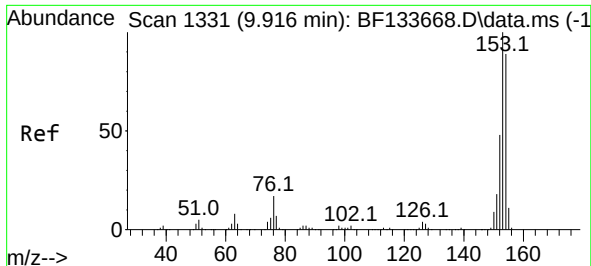


#45
2-Fluorobiphenyl
Concen: 85.077 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04



Tgt Ion:172 Resp: 618709
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.0 19.1 28.7





#52
Acenaphthene
Concen: 6.396 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

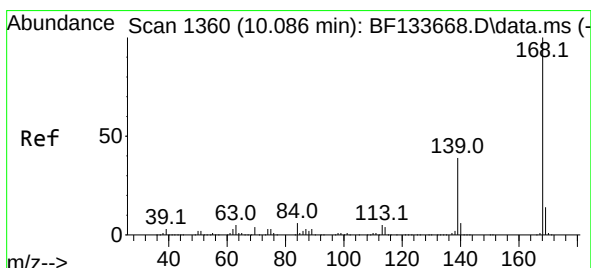
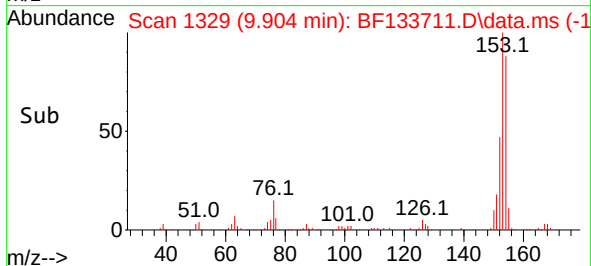
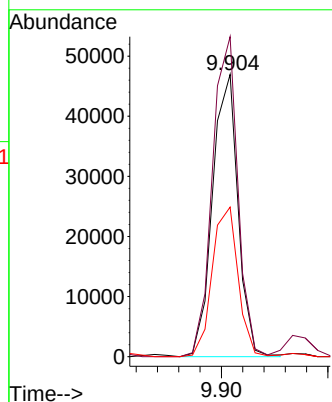
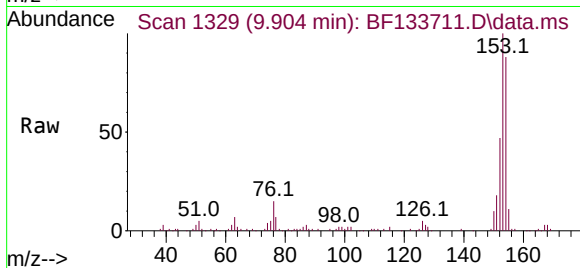
SB-04-0-2.0

Tgt Ion:154 Resp: 38972
Ion Ratio Lower Upper
154 100
153 113.4 89.8 134.8
152 53.0 43.4 65.2

Manual Integrations

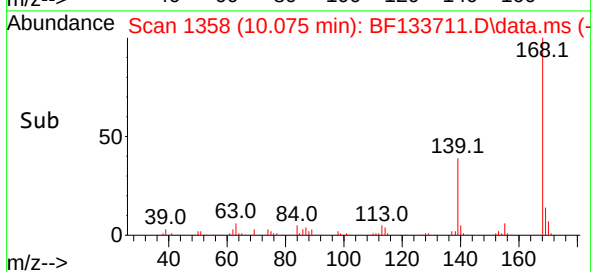
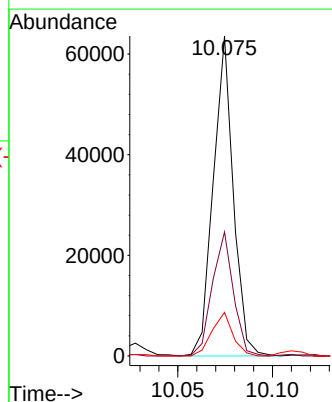
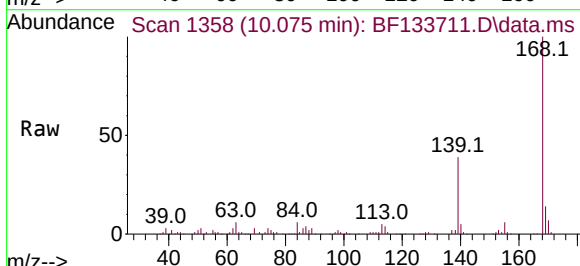
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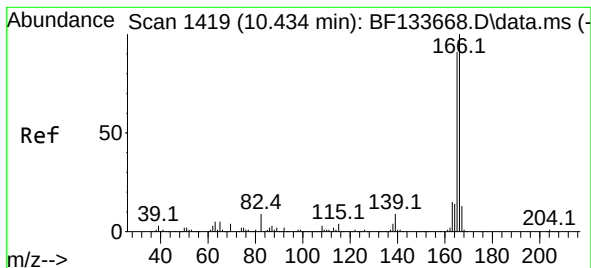
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#55
Dibenzofuran
Concen: 5.030 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:168 Resp: 46761
Ion Ratio Lower Upper
168 100
139 38.7 30.9 46.3
169 13.6 10.9 16.3





#58

Fluorene

Concen: 5.745 ng

RT: 10.416 min Scan# 1416

Delta R.T. -0.012 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

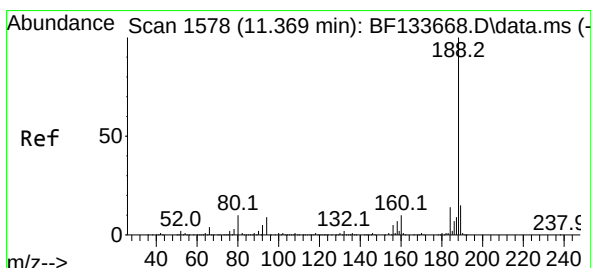
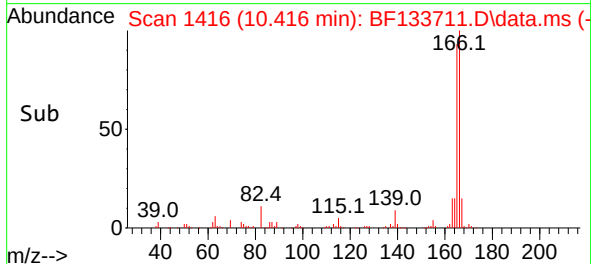
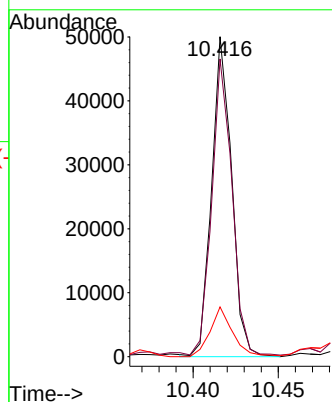
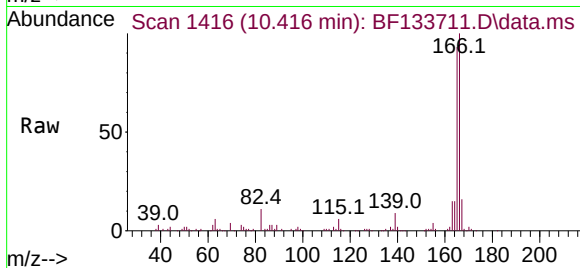
Tgt Ion:166	Resp:	40849
Ion Ratio	Lower	Upper
166	100	
165	93.1	73.1 109.7
167	15.5	10.5 15.7

Manual Integrations

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Supervised By :mohammad ahmed 06/13/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

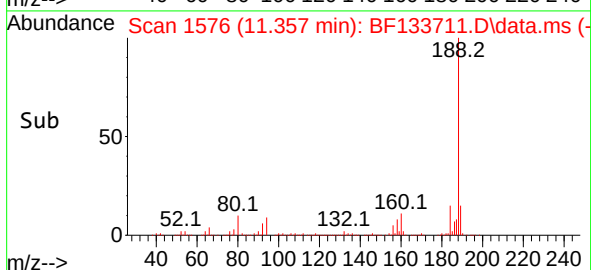
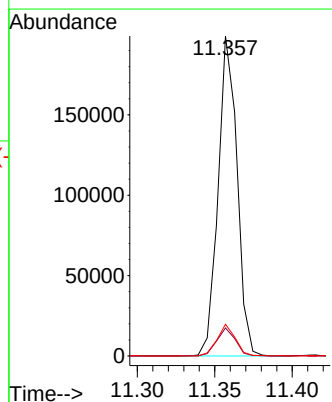
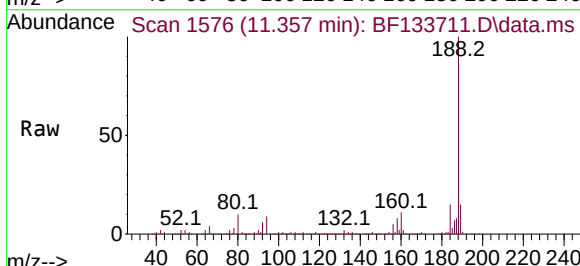
RT: 11.357 min Scan# 1576

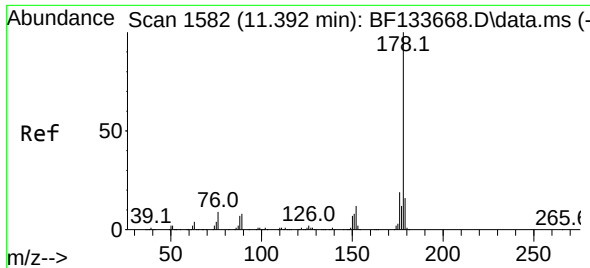
Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

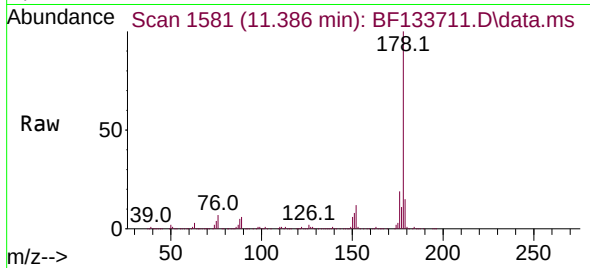
Tgt Ion:188	Resp:	169159
Ion Ratio	Lower	Upper
188	100	
94	8.8	6.8 10.2
80	9.9	7.8 11.6





#71
Phenanthrene
Concen: 53.929 ng
RT: 11.386 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

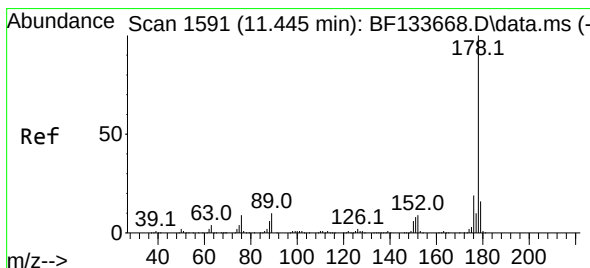
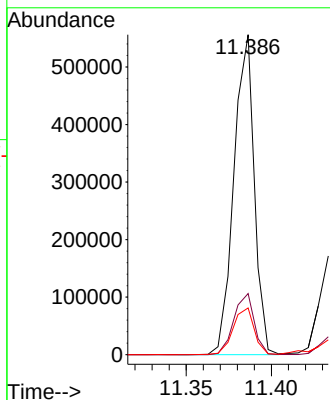
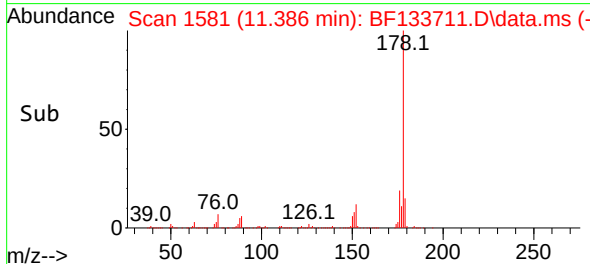
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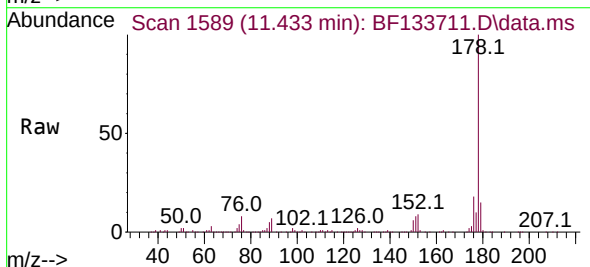
Tgt Ion:178 Resp: 462835
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.6 12.4 18.6

Manual Integrations
APPROVED

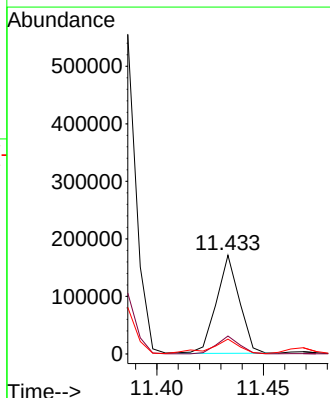
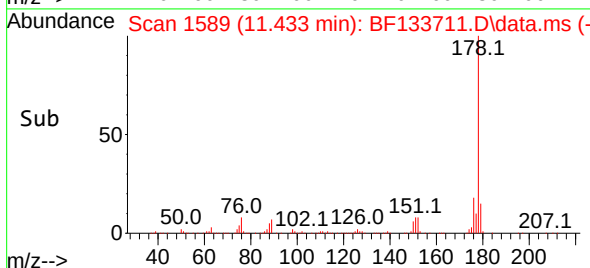
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023

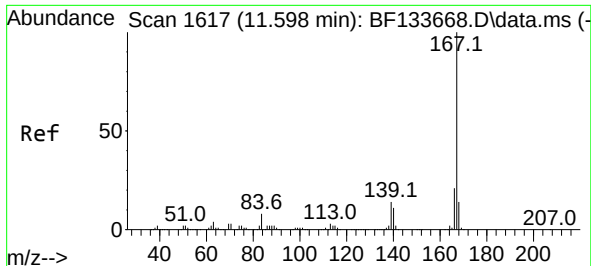


#72
Anthracene
Concen: 14.259 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04



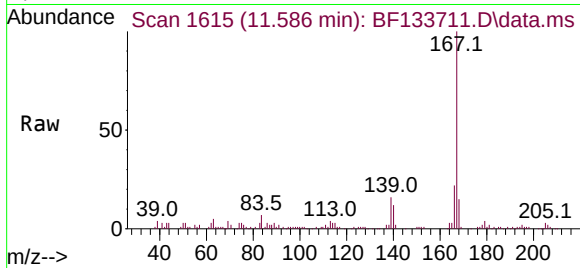
Tgt Ion:178 Resp: 127599
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.2 12.6 18.8





#73
 Carbazole
 Concen: 4.006 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF133711.D
 Acq: 12 Jun 2023 19:04

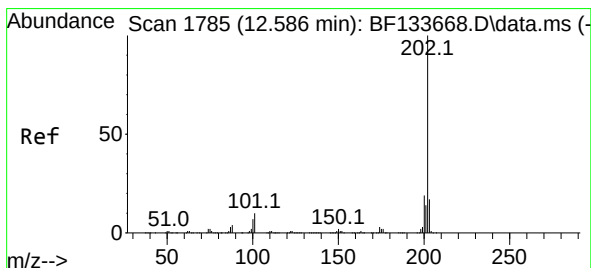
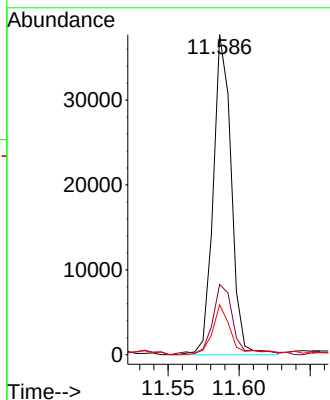
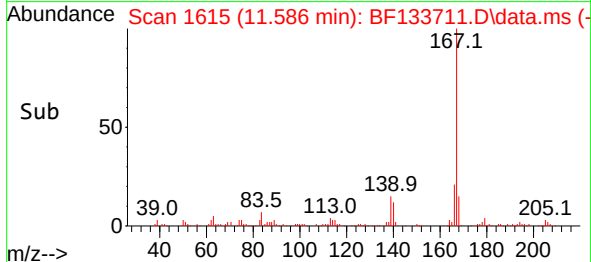
Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0



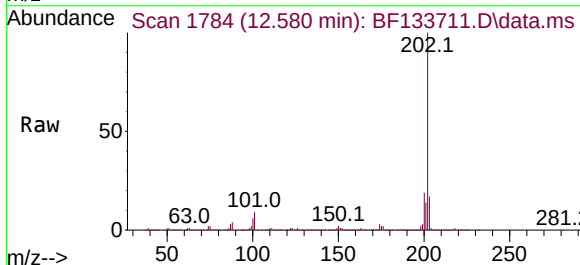
Tgt Ion:167 Resp: 33392
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 15.6 11.2 16.8

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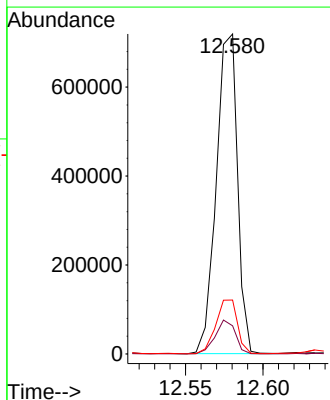
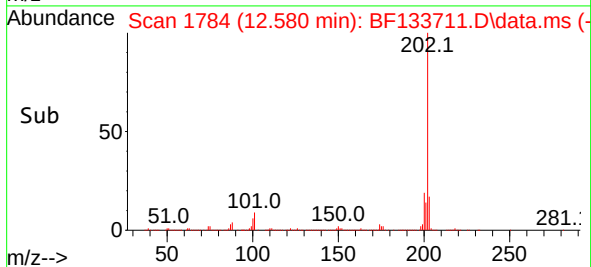
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023

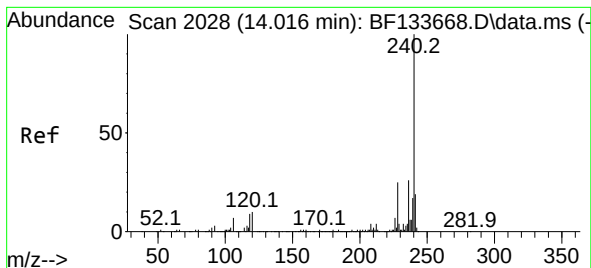


#75
 Fluoranthene
 Concen: 75.115 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BF133711.D
 Acq: 12 Jun 2023 19:04



Tgt Ion:202 Resp: 684582
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 29.6
 203 16.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

Tgt Ion:240 Resp: 136614

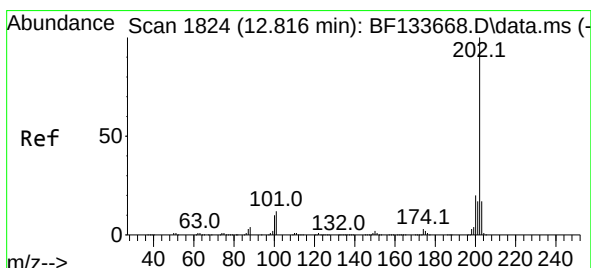
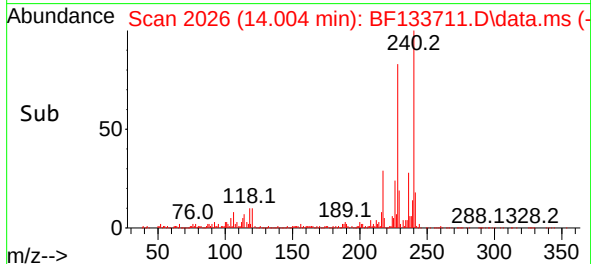
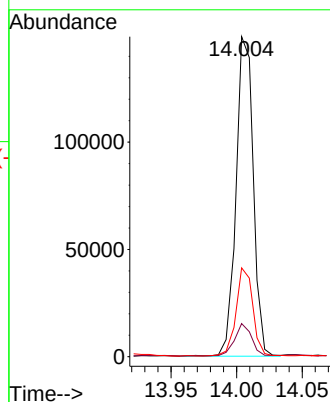
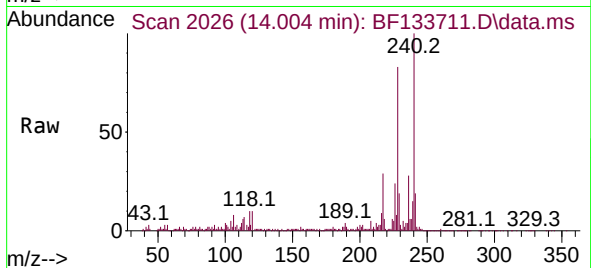
Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.1	12.1
236	27.7	20.5	30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#78

Pyrene

Concen: 48.778 ng

RT: 12.810 min Scan# 1823

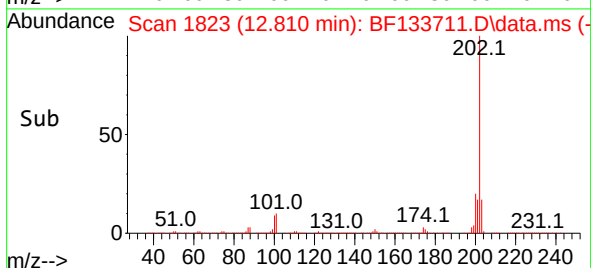
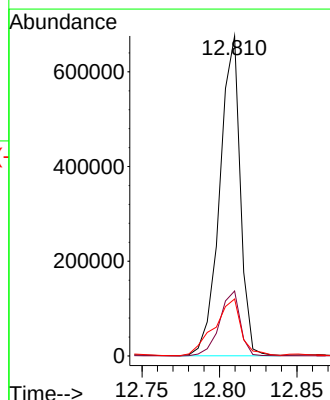
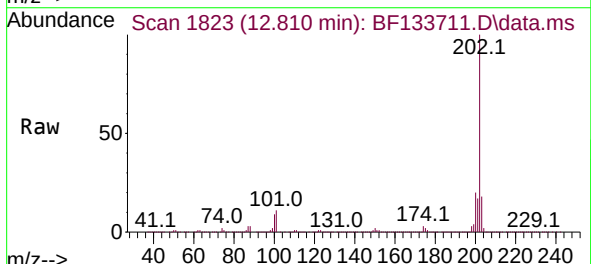
Delta R.T. 0.000 min

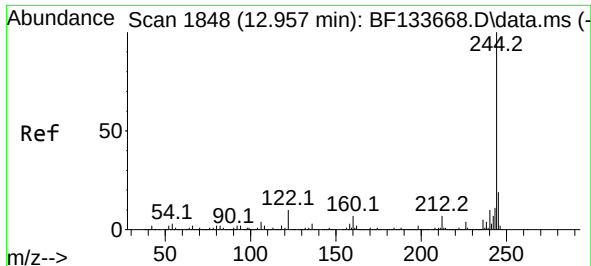
Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Tgt Ion:202 Resp: 620760

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.2
203	17.8	13.9	20.9





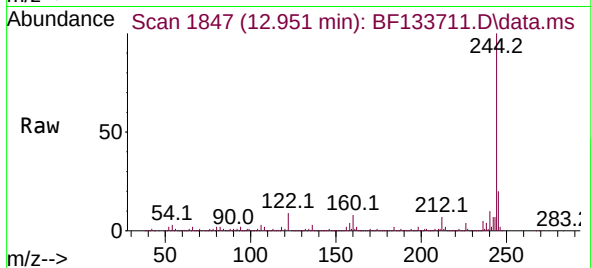
#79
 Terphenyl-d14
 Concen: 64.365 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF133711.D
 Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

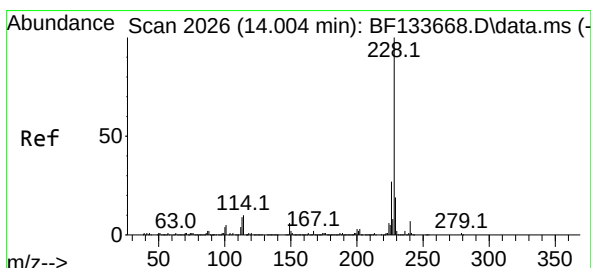
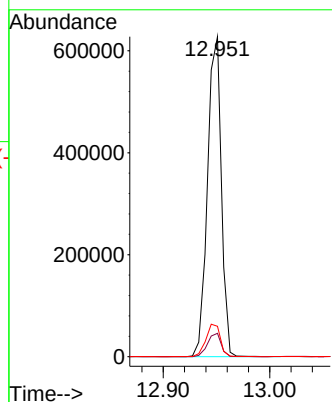
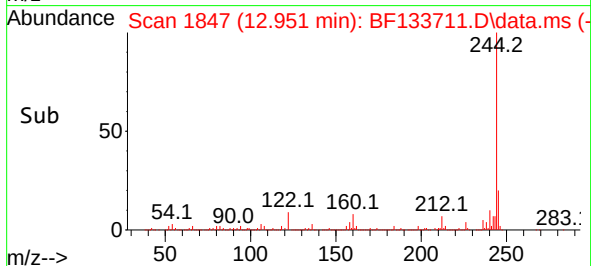


Tgt Ion:244 Resp: 568273
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 9.5 8.1 12.1

Manual Integrations

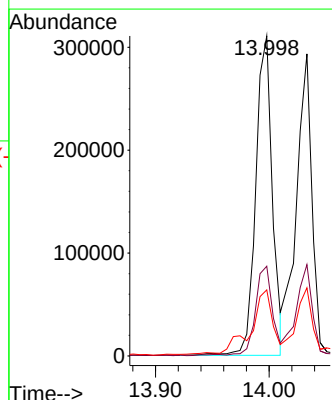
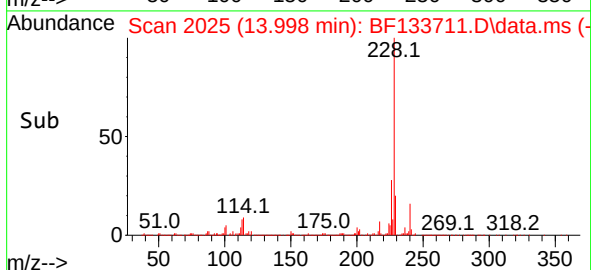
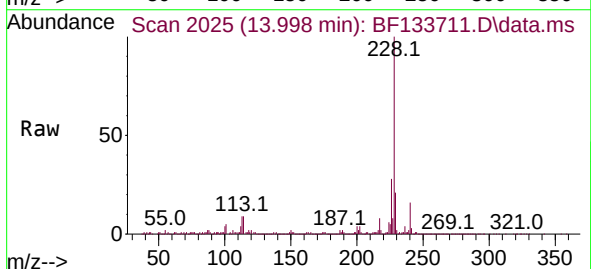
APPROVED

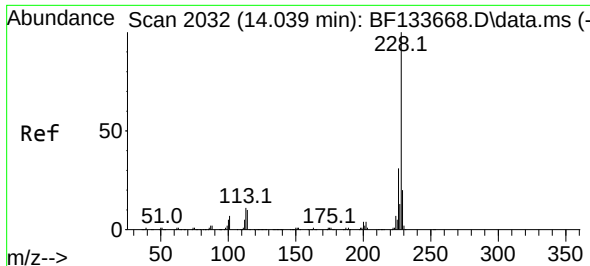
Reviewed By :Yogesh Patel 06/13/2023
 Supervised By :mohammad ahmed 06/13/2023



#81
 Benzo(a)anthracene
 Concen: 33.245 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF133711.D
 Acq: 12 Jun 2023 19:04

Tgt Ion:228 Resp: 314151
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 20.6 15.4 23.2





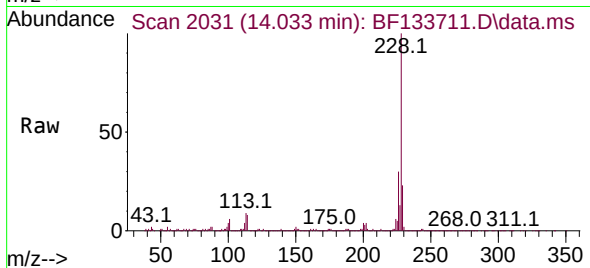
#83
Chrysene
Concen: 31.356 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0



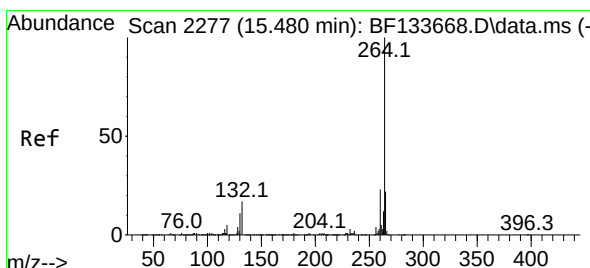
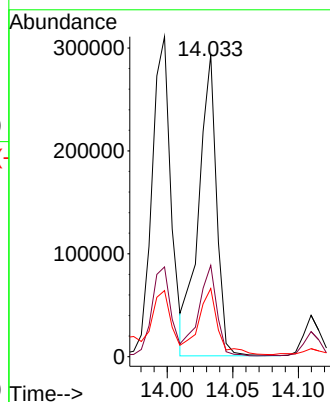
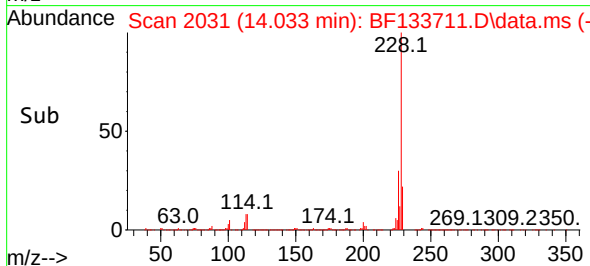
Tgt Ion:228 Resp: 280245
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.6 15.8 23.8

Manual Integrations

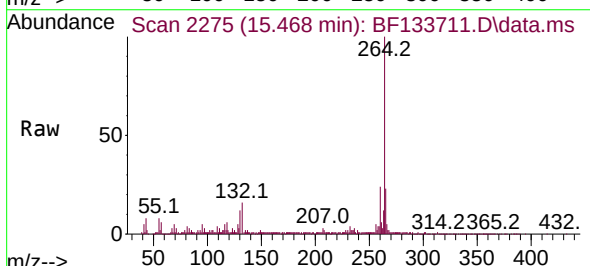
APPROVED

Reviewed By :Yogesh Patel 06/13/2023

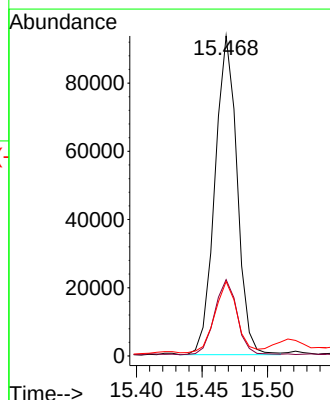
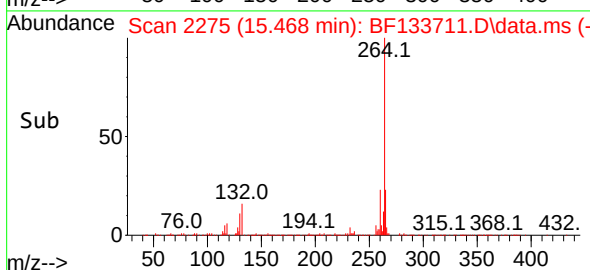
Supervised By :mohammad ahmed 06/13/2023

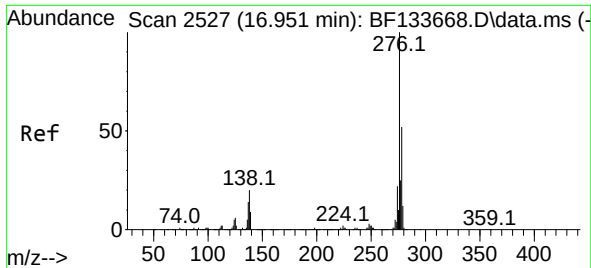


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04



Tgt Ion:264 Resp: 109529
Ion Ratio Lower Upper
264 100
260 23.9 18.2 27.2
265 23.3 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 14.028 ng
RT: 16.927 min Scan# 210
Delta R.T. -0.018 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

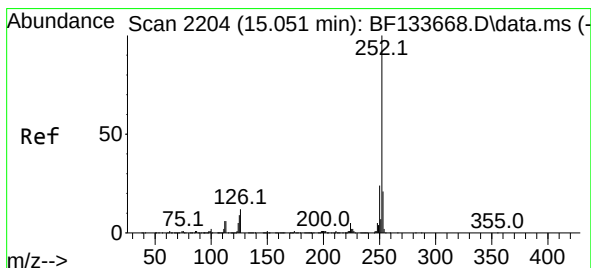
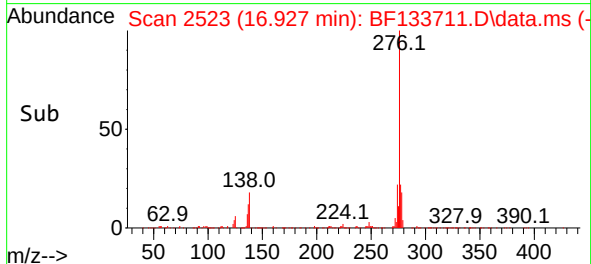
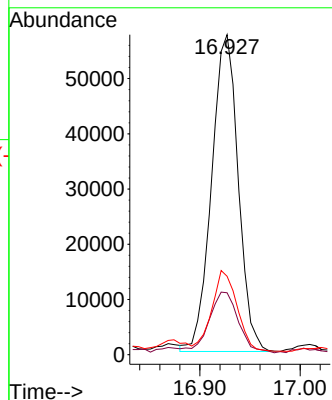
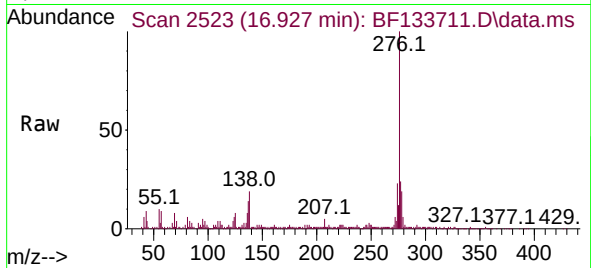
ClientSampleId :

SB-04-0-2.0

Tgt Ion:276 Resp: 10570
Ion Ratio Lower Upper
276 100
138 20.9 17.9 26.9
277 24.3 20.3 30.5

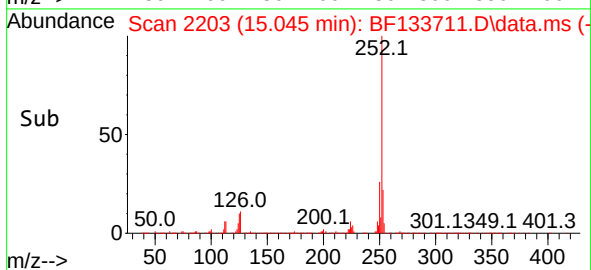
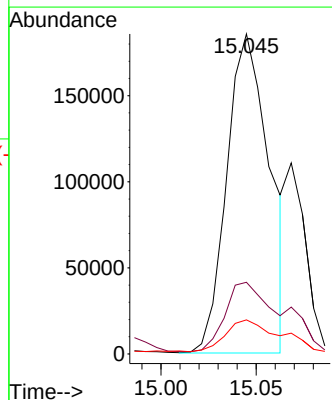
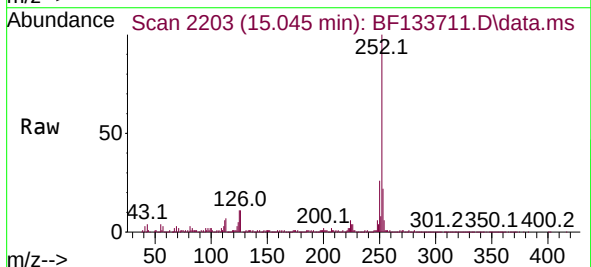
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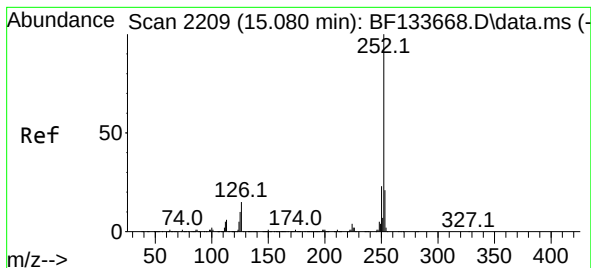
Reviewed By :Yogesh Patel 06/13/2023
Supervised By :mohammad ahmed 06/13/2023



#88
Benzo(b)fluoranthene
Concen: 43.473 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:252 Resp: 289241
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 10.7 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 11.979 ng m

RT: 15.068 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

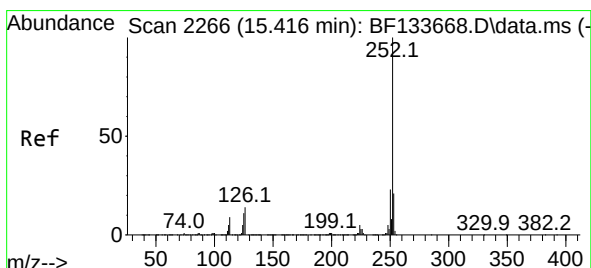
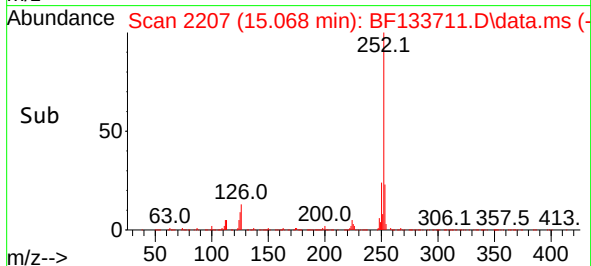
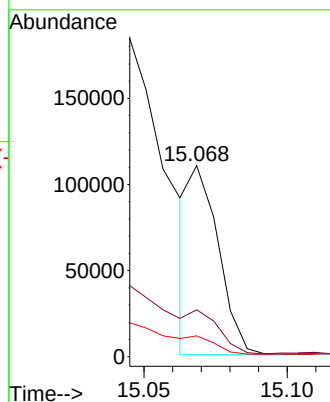
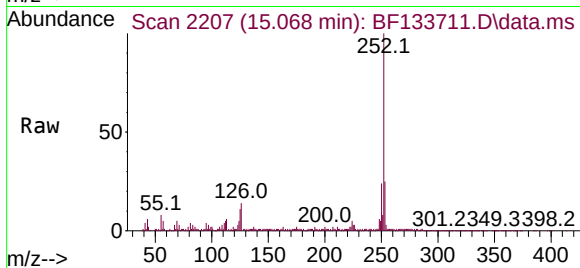
Tgt Ion:252	Resp:	7764
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.0 25.4
125	10.9	7.8 11.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#90

Benzo(a)pyrene

Concen: 32.217 ng

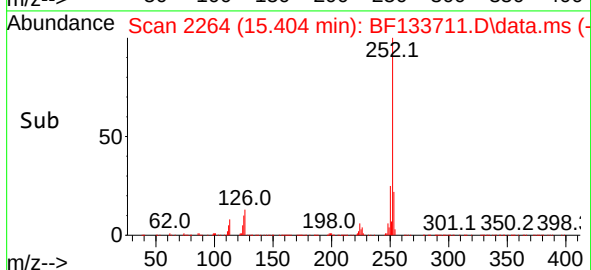
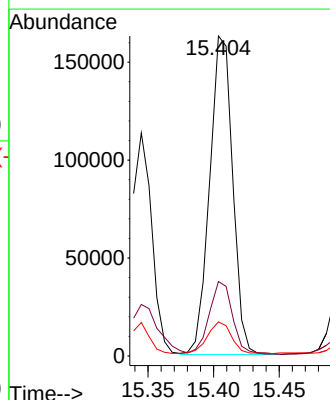
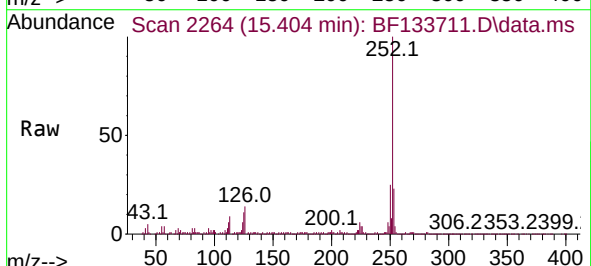
RT: 15.404 min Scan# 2264

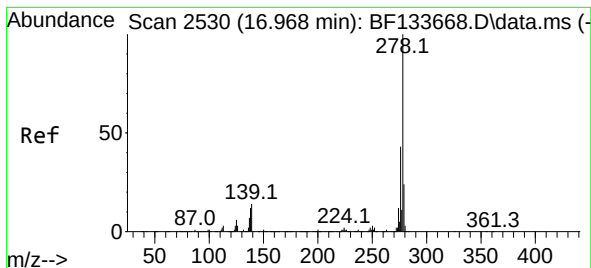
Delta R.T. -0.012 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Tgt Ion:252	Resp:	198939
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.1 25.7
125	10.7	8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 4.412 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.029 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

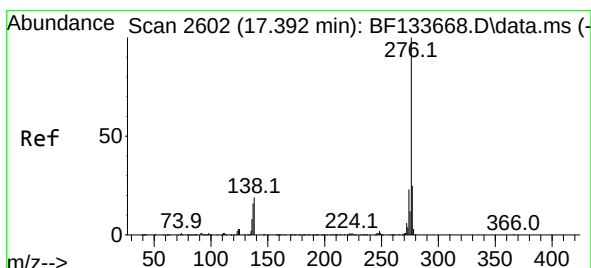
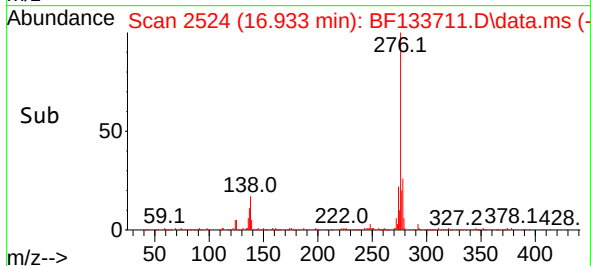
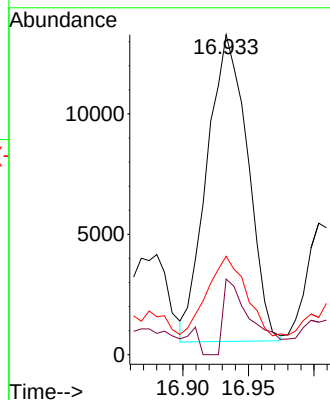
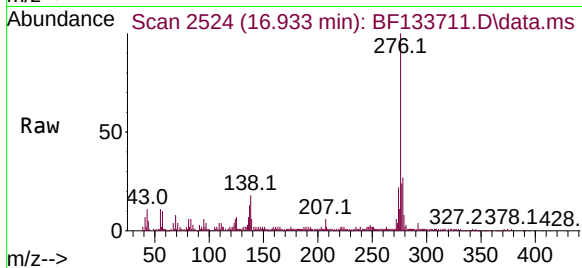
Tgt Ion:	278	Resp:	2752
Ion Ratio	Lower	Upper	
278	100		
139	23.6	11.4	17.2
279	30.8	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/13/2023

Supervised By :mohammad ahmed 06/13/2023



#92

Benzo(g,h,i)perylene

Concen: 16.037 ng

RT: 17.368 min Scan# 2598

Delta R.T. -0.023 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Tgt Ion:	276	Resp:	99195
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.8	29.8
138	20.0	15.0	22.4

