

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132049.D
 Acq On : 12 Jan 2023 19:18
 Operator : CG\JU
 Sample : 01124-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023

Quant Time: Jan 13 01:36:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	62553	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	209148	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	102341	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	171834	20.000	ng	0.00
76) Chrysene-d12	13.957	240	133251	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	108571	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	539820	142.200	ng	0.01
7) Phenol-d6	6.416	99	673686	133.846	ng	0.00
23) Nitrobenzene-d5	7.345	82	475318	94.322	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	136232	115.775	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	746122	98.420	ng	0.00
79) Terphenyl-d14	12.904	244	702360	75.547	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.851	154	13664	2.393	ng	96
58) Fluorene	10.369	166	25602	3.560	ng	95
71) Phenanthrene	11.333	178	290459	32.425	ng	99
72) Anthracene	11.386	178	86124	9.339	ng	99
75) Fluoranthene	12.527	202	469041	46.558	ng	100
78) Pyrene	12.757	202	383157	31.527	ng	99
81) Benzo(a)anthracene	13.951	228	193688	19.979	ng	99
83) Chrysene	13.986	228	165251	18.240	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	62190	9.340	ng	99
88) Benzo(b)fluoranthene	14.998	252	183175m	24.598	ng	
89) Benzo(k)fluoranthene	15.021	252	46144m	6.209	ng	
90) Benzo(a)pyrene	15.357	252	123061	18.342	ng	# 95
91) Dibenzo(a,h)anthracene	16.880	278	15108	2.707	ng	# 91
92) Benzo(g,h,i)perylene	17.315	276	58548	12.601	ng	96

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

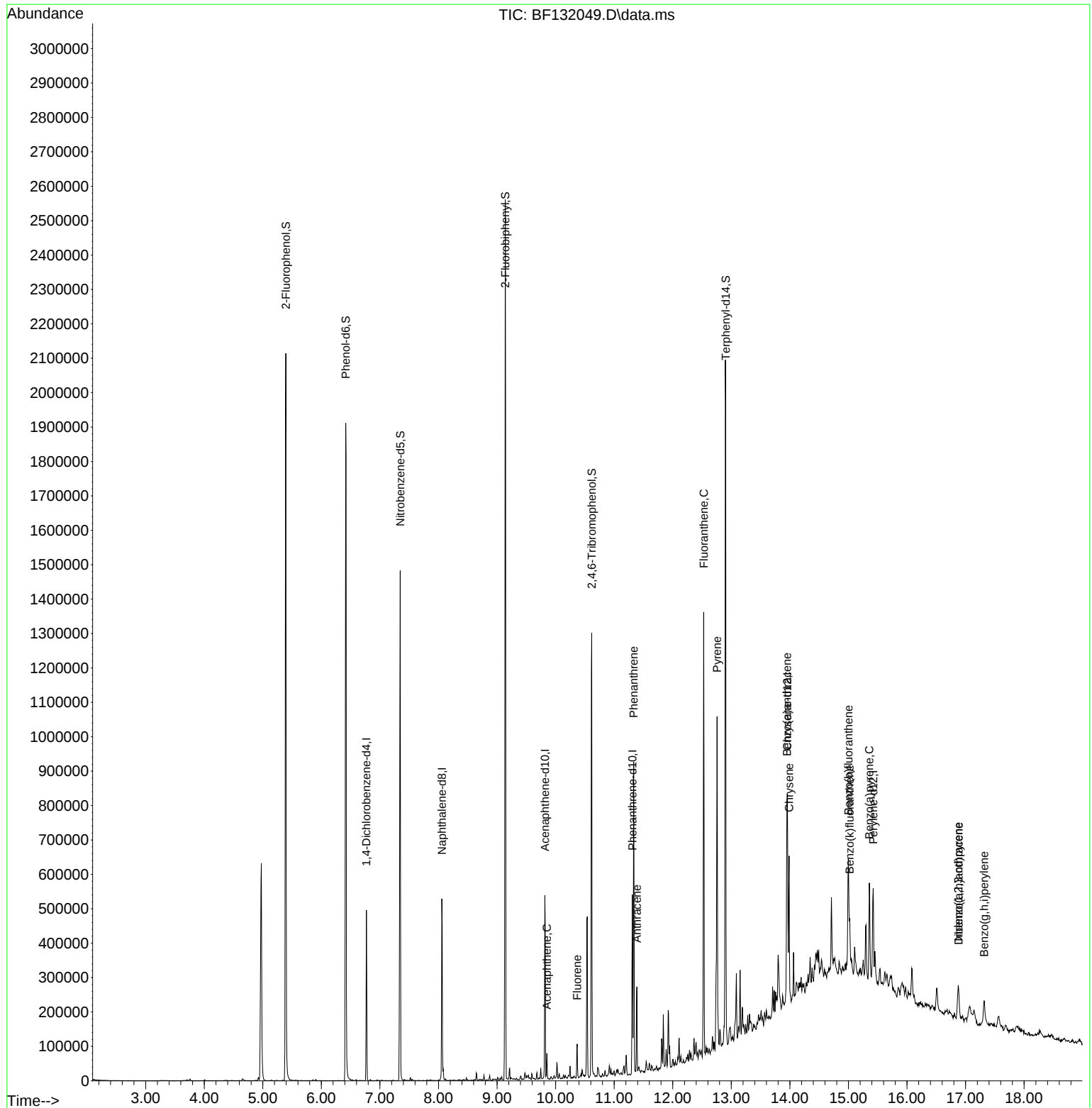
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132049.D
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ALS Vial : 14 Sample Multiplier: 1

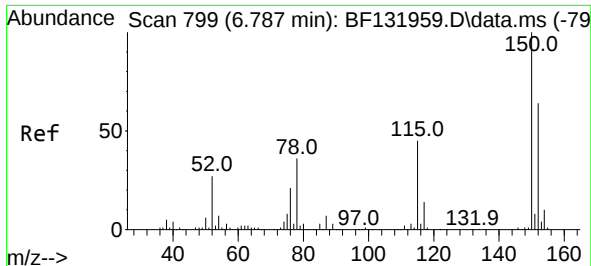
Instrument :
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Quant Time: Jan 13 01:36:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
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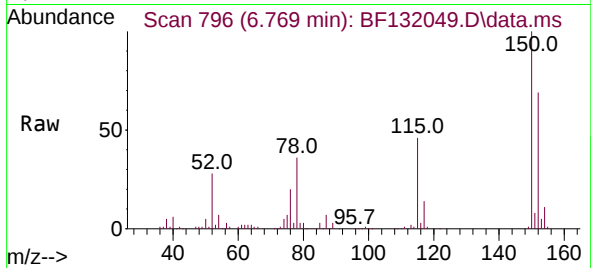
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

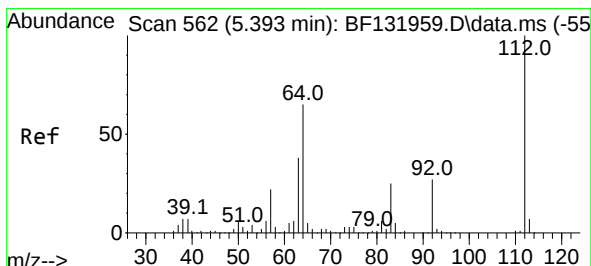
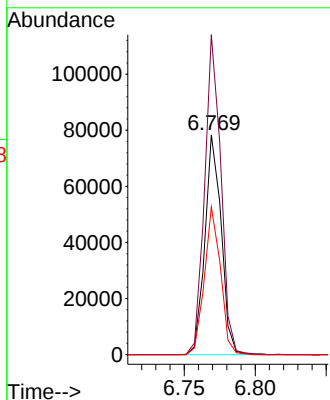
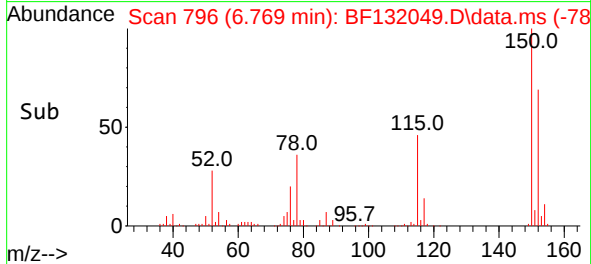
Instrument :
BNA_F
ClientSampleId :
MH-4



Tgt Ion:152 Resp: 62553
Ion Ratio Lower Upper
152 100
150 145.7 124.6 186.8
115 67.2 55.6 83.4

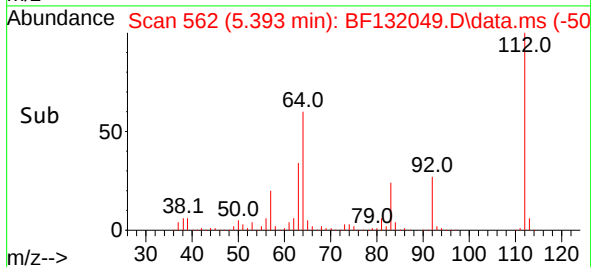
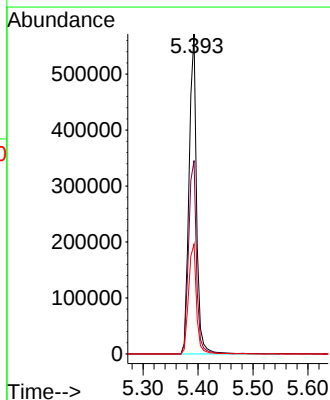
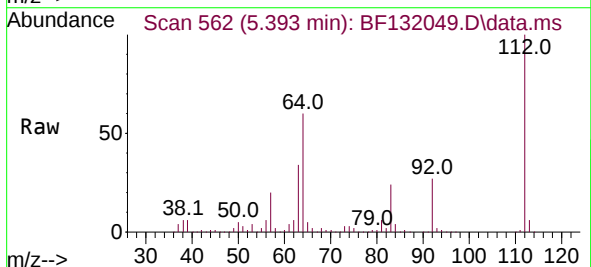
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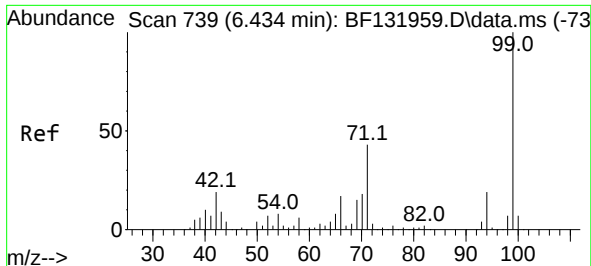
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#5
2-Fluorophenol
Concen: 142.200 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.012 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

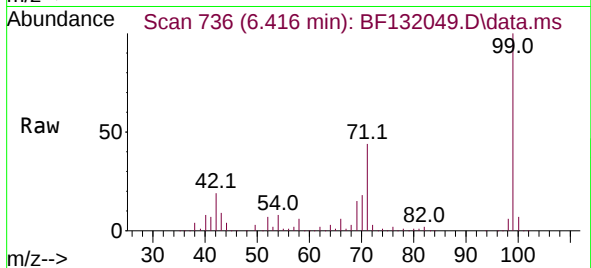
Tgt Ion:112 Resp: 539820
Ion Ratio Lower Upper
112 100
64 60.4 51.9 77.9
63 34.3 30.2 45.2





#7
Phenol-d6
Concen: 133.846 ng
RT: 6.416 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

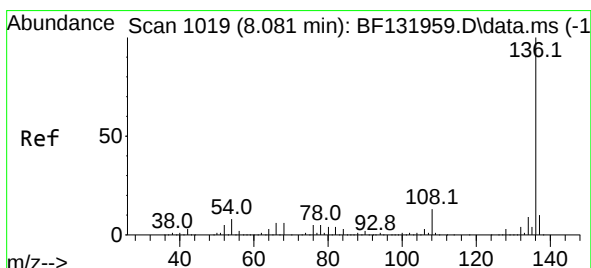
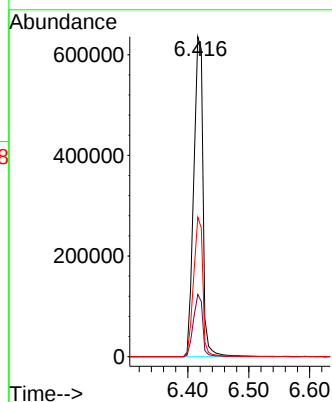
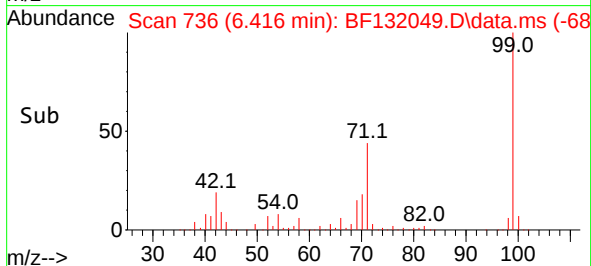
Instrument :
BNA_F
ClientSampleId :
MH-4



Tgt Ion: 99 Resp: 673686
Ion Ratio Lower Upper
99 100
42 19.4 15.4 23.2
71 43.6 34.6 51.8

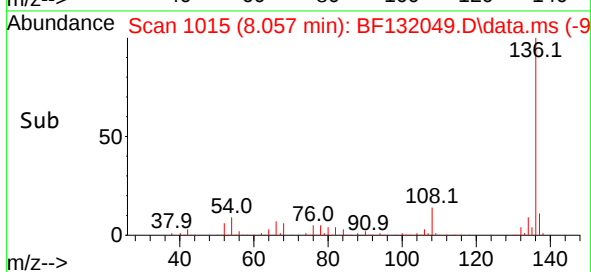
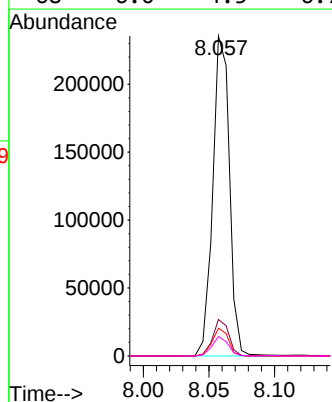
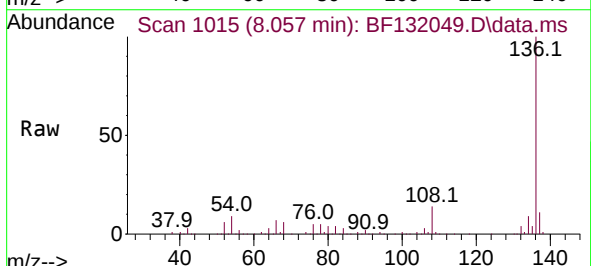
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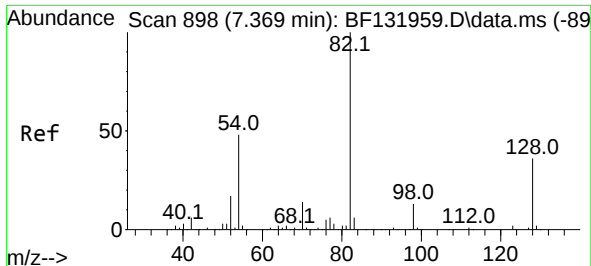
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Tgt Ion:136 Resp: 209148
Ion Ratio Lower Upper
136 100
137 11.4 8.2 12.2
54 8.6 6.6 9.8
68 6.0 4.5 6.7





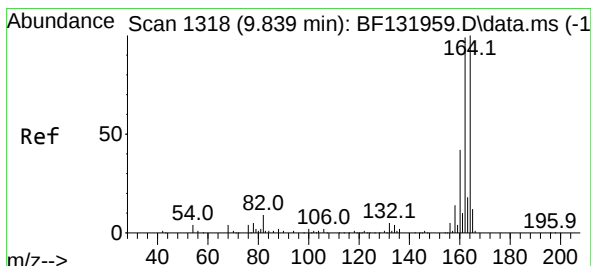
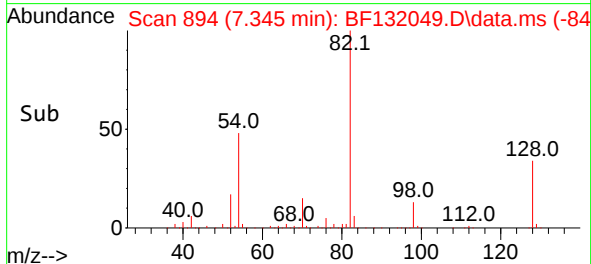
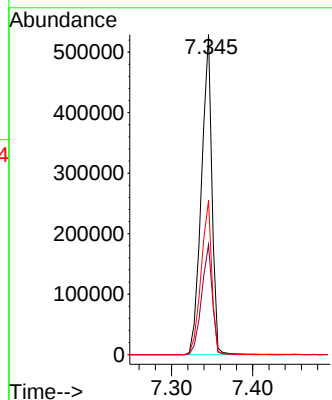
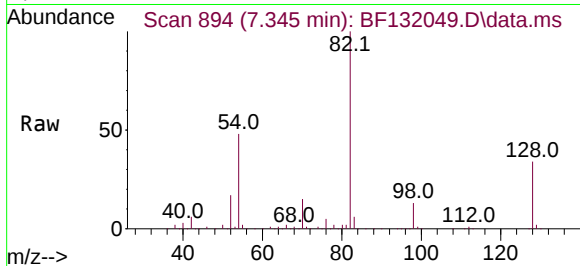
#23
Nitrobenzene-d5
Concen: 94.322 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion: 82 Resp: 475318
Ion Ratio Lower Upper
82 100
128 34.4 28.7 43.1
54 48.2 38.1 57.1

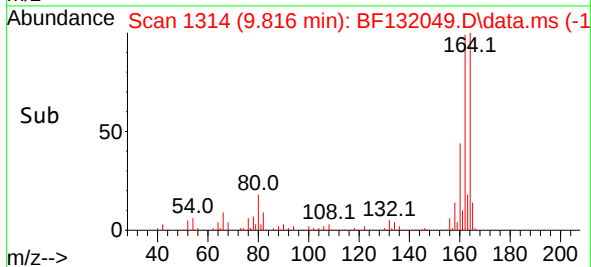
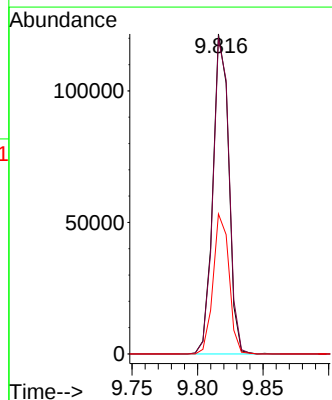
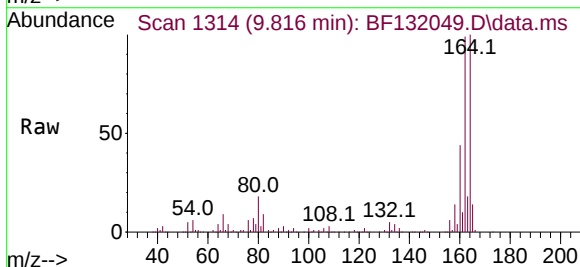
Manual Integrations
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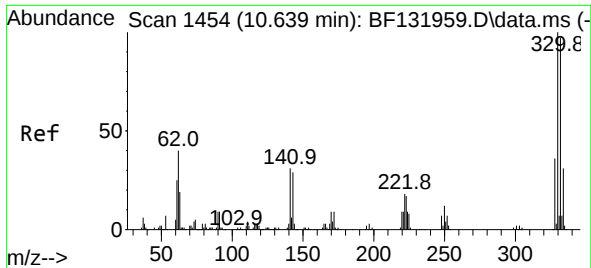
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

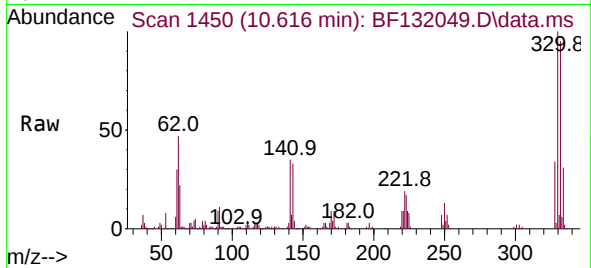
Tgt Ion:164 Resp: 102341
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 43.7 33.9 50.9





#42
2,4,6-Tribromophenol
Concen: 115.775 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

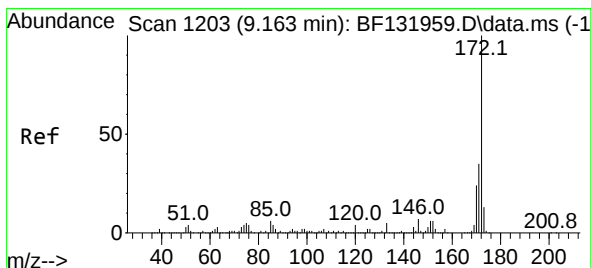
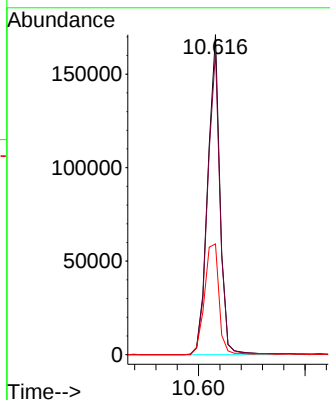
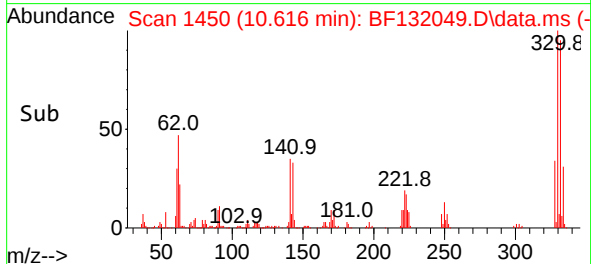
Instrument :
BNA_F
ClientSampleId :
MH-4



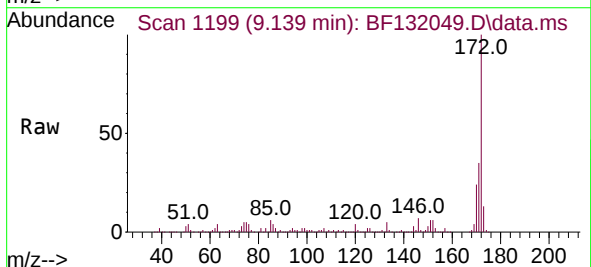
Tgt Ion: 330 Resp: 136232
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 40.9 31.3 46.9

Manual Integrations
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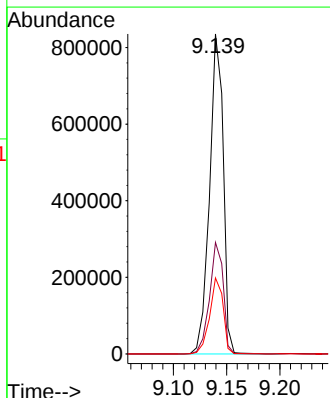
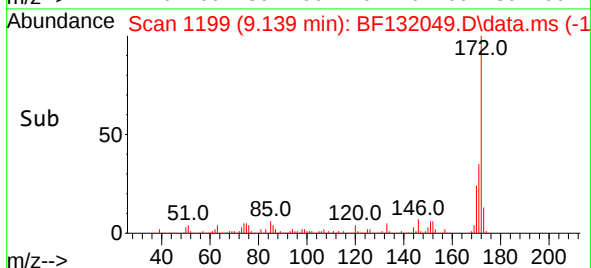
Reviewed By : Jagrut Upadhyay 01/13/2023
Supervised By : mohammad ahmed 01/13/2023

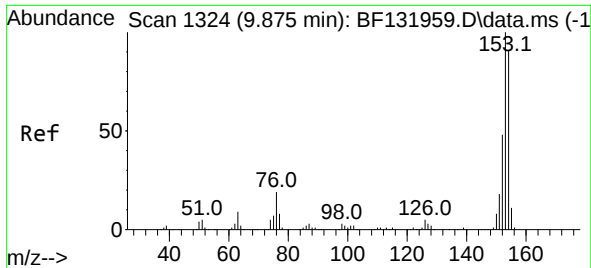


#45
2-Fluorobiphenyl
Concen: 98.420 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18



Tgt Ion: 172 Resp: 746122
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.7 18.9 28.3





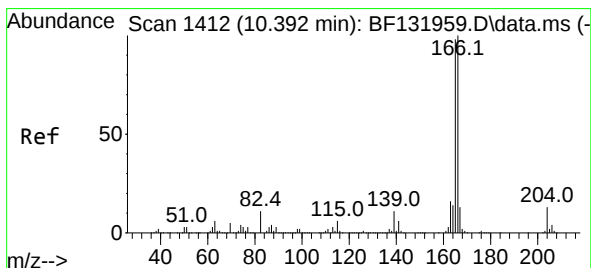
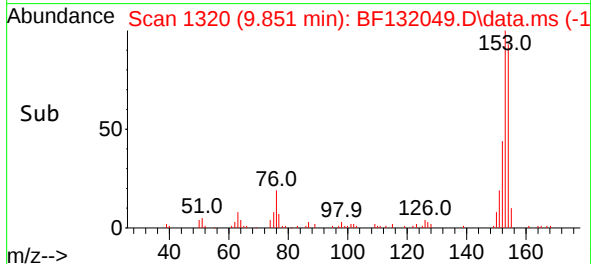
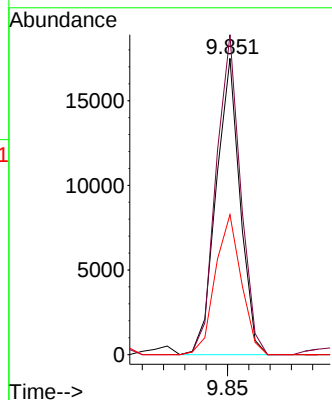
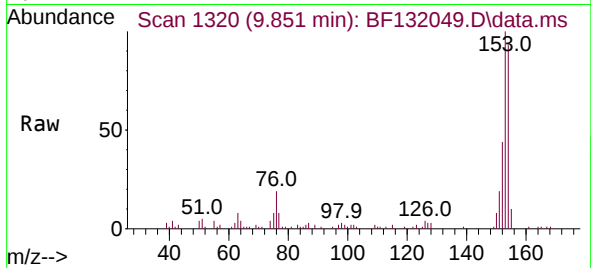
#52
Acenaphthene
Concen: 2.393 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion:154 Resp: 13664
Ion Ratio Lower Upper
154 100
153 108.0 87.7 131.5
152 47.2 42.2 63.2

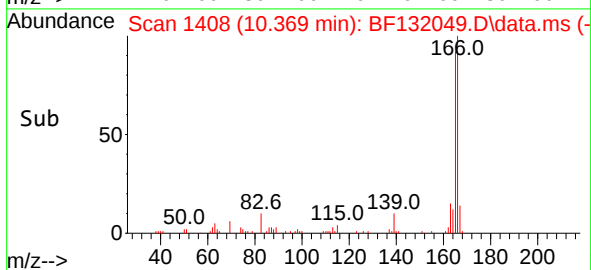
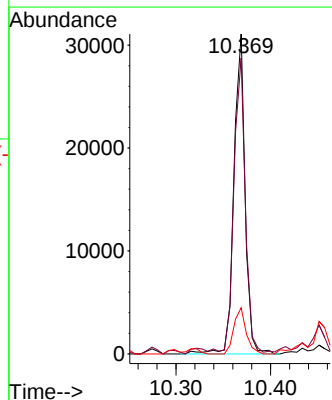
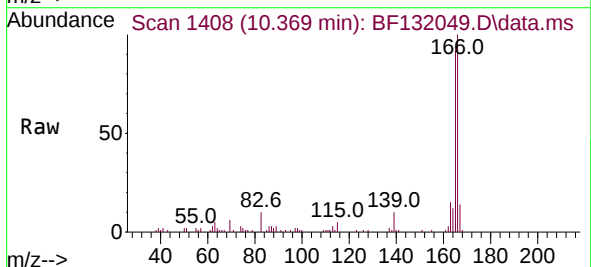
Manual Integrations
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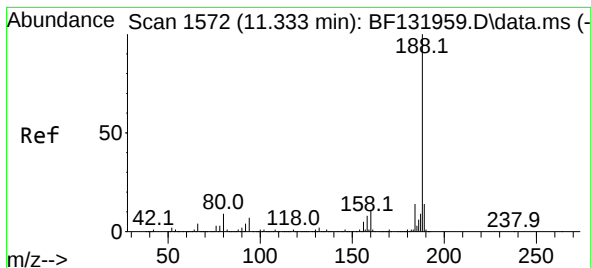
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#58
Fluorene
Concen: 3.560 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Tgt Ion:166 Resp: 25602
Ion Ratio Lower Upper
166 100
165 92.5 78.3 117.5
167 14.4 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Instrument :

BNA_F

ClientSampleId :

MH-4

Tgt Ion:188 Resp: 171834

Ion Ratio Lower Upper

188 100

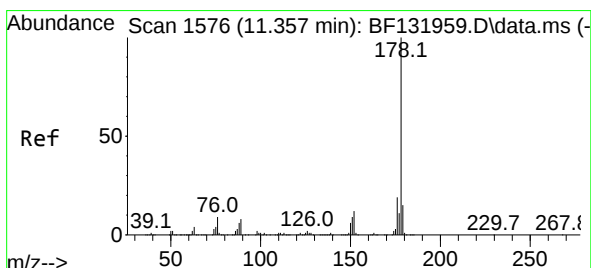
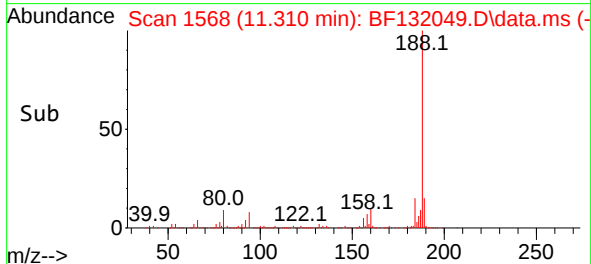
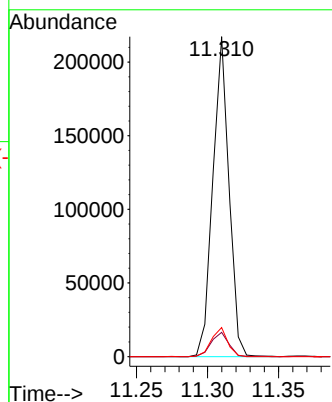
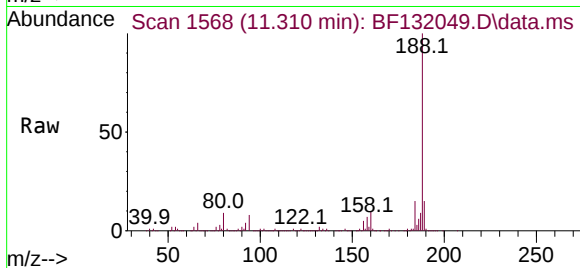
94 7.6 5.8 8.6

80 9.1 7.4 11.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#71

Phenanthrene

Concen: 32.425 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

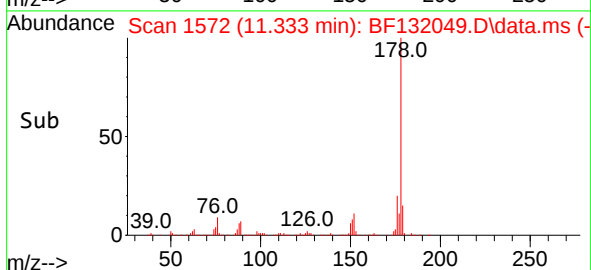
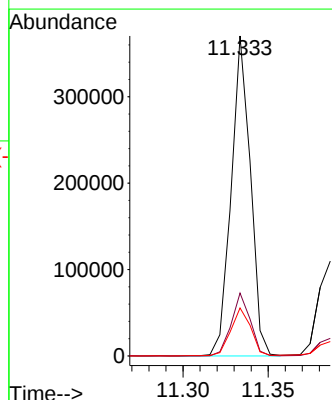
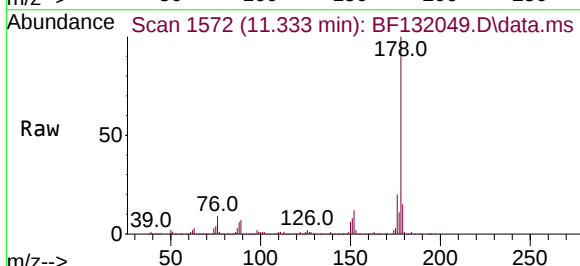
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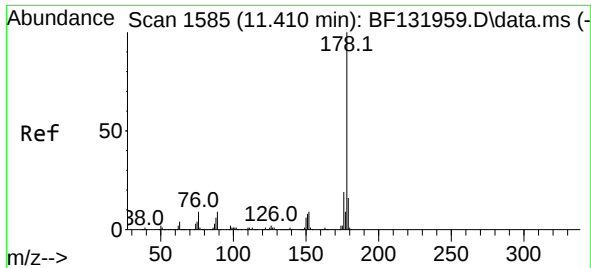
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 15.0 12.4 18.6





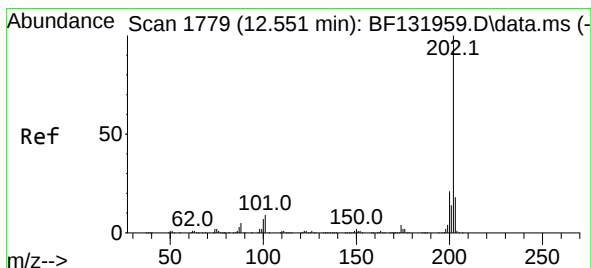
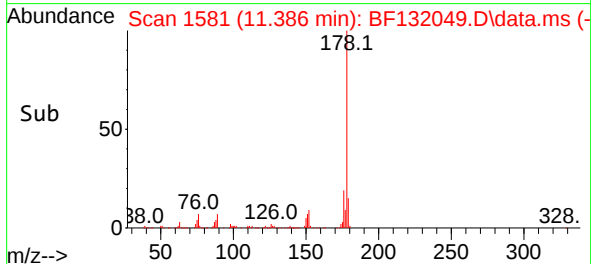
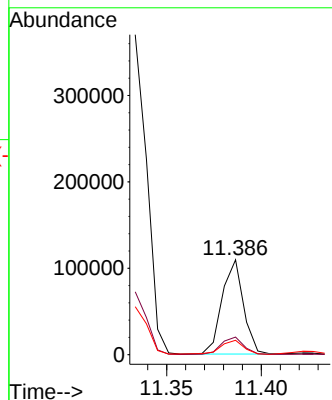
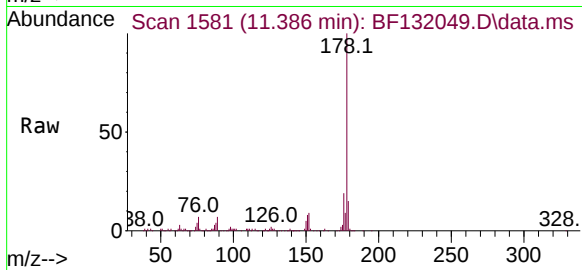
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 Anthracene
 Concen: 9.339 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132049.D
 Acq: 12 Jan 2023 19:18

Instrument :
 BNA_F
 ClientSampleId :
 MH-4

Tgt Ion:178 Resp: 86124
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 15.2 12.6 19.0

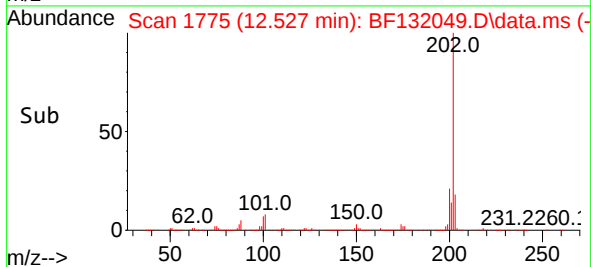
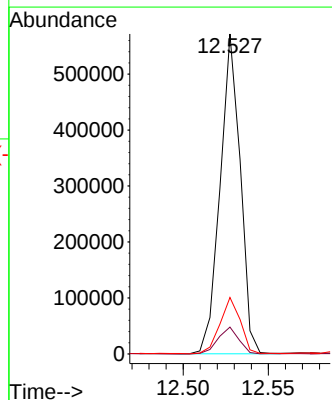
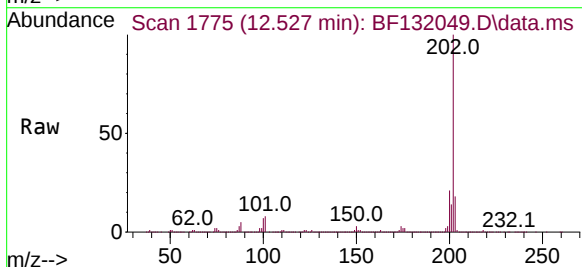
Manual Integrations
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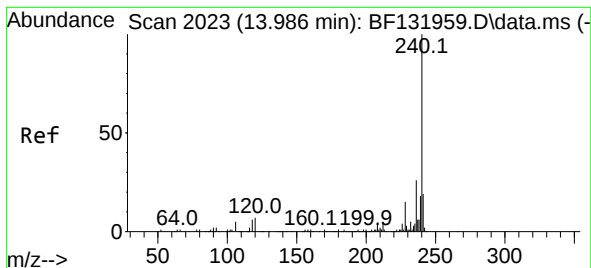
Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023



#75
 Fluoranthene
 Concen: 46.558 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: BF132049.D
 Acq: 12 Jan 2023 19:18

Tgt Ion:202 Resp: 469041
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.8
 203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Instrument :

BNA_F

ClientSampleId :

MH-4

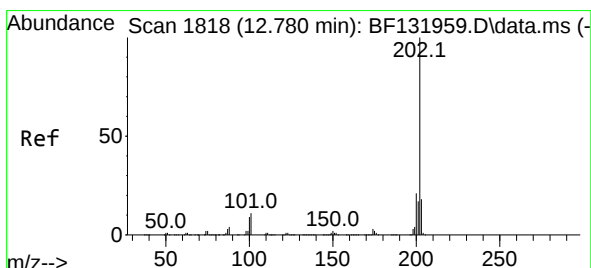
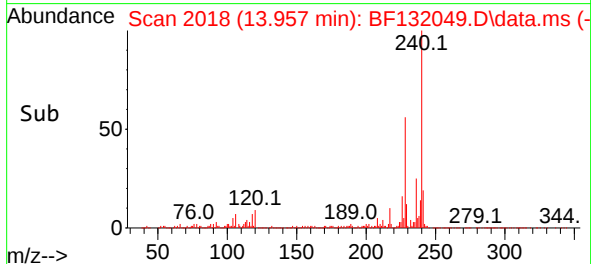
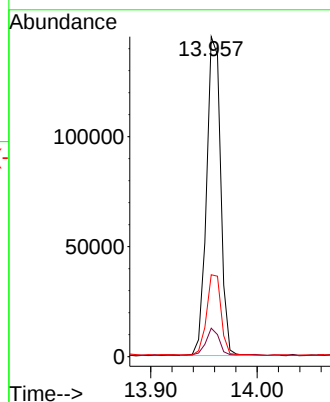
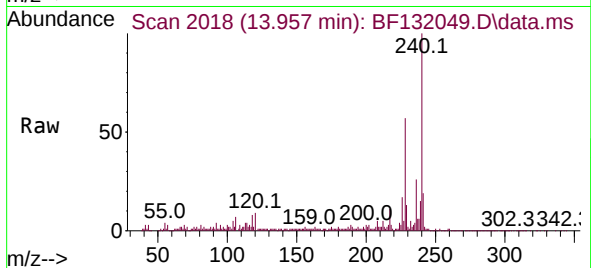
Tgt Ion:240 Resp: 13325

Ion	Ratio	Lower	Upper
240	100		
120	8.9	5.4	8.0
236	25.6	21.1	31.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#78

Pyrene

Concen: 31.527 ng

RT: 12.757 min Scan# 1814

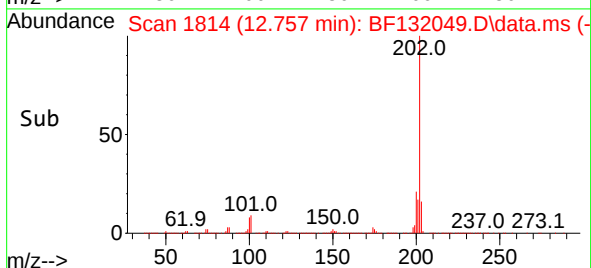
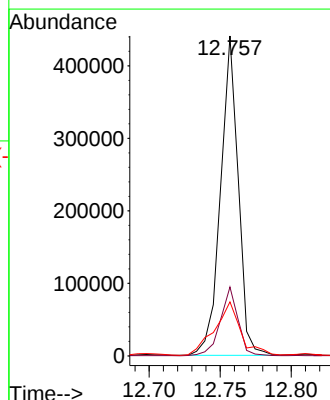
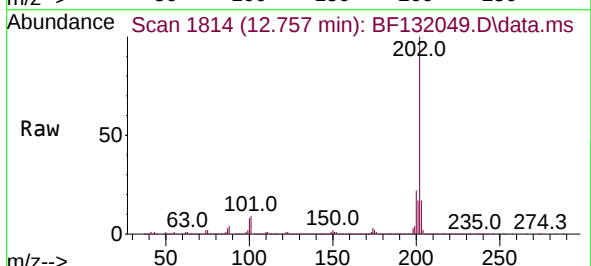
Delta R.T. -0.006 min

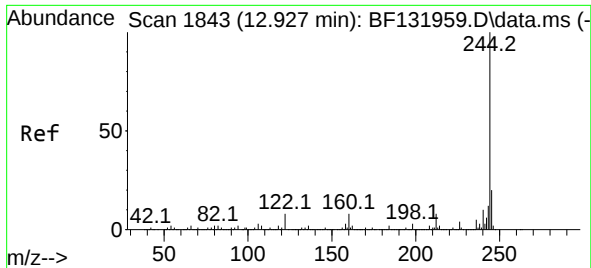
Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Tgt Ion:202 Resp: 383157

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	16.9	14.1	21.1





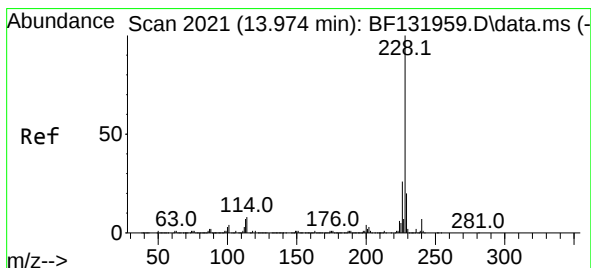
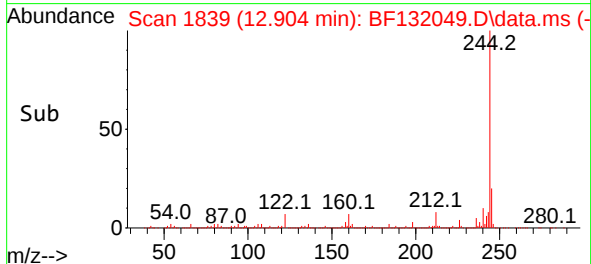
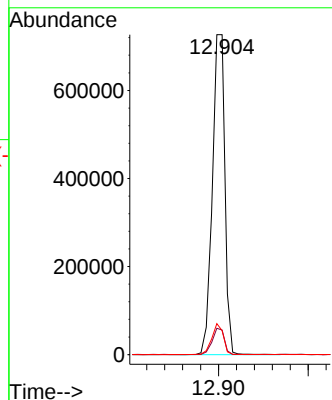
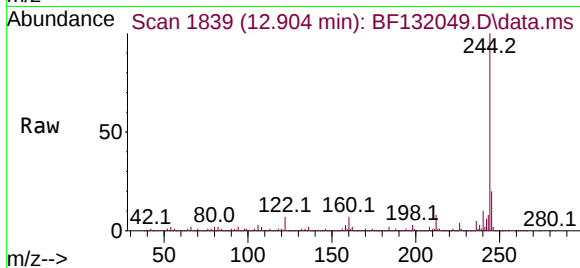
#79
Terphenyl-d14
Concen: 75.547 ng
RT: 12.904 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion:244 Resp: 702360
Ion Ratio Lower Upper
244 100
212 7.7 6.3 9.5
122 7.5 6.8 10.2

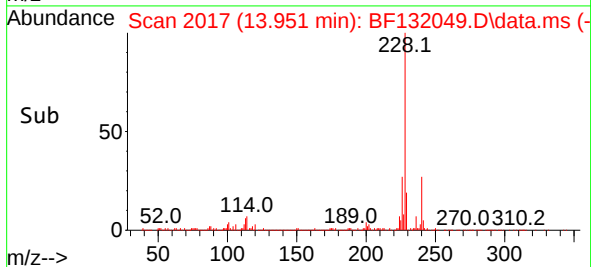
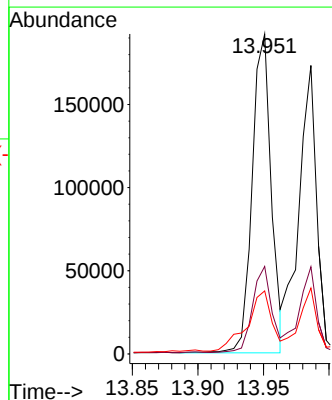
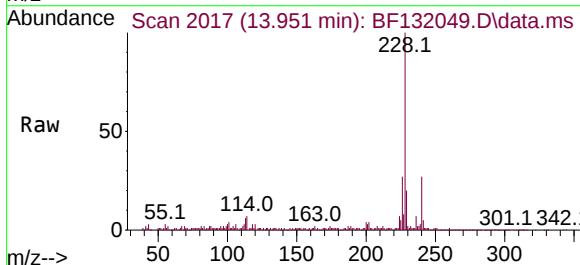
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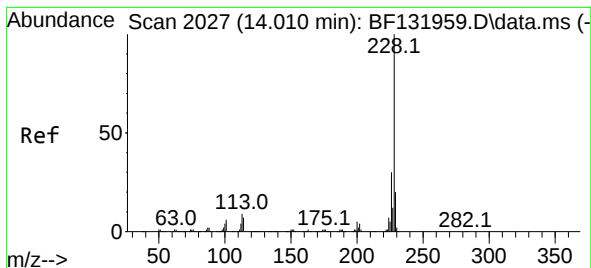
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#81
Benzo(a)anthracene
Concen: 19.979 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Tgt Ion:228 Resp: 193688
Ion Ratio Lower Upper
228 100
226 27.3 21.0 31.4
229 19.7 15.8 23.6





#83

Chrysene

Concen: 18.240 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Instrument :

BNA_F

ClientSampleId :

MH-4

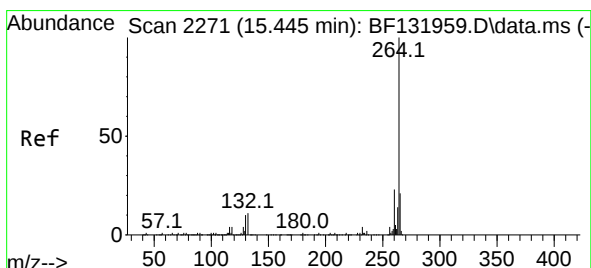
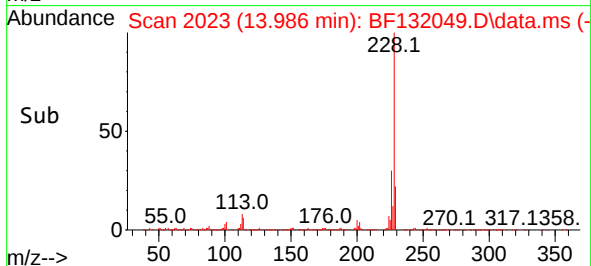
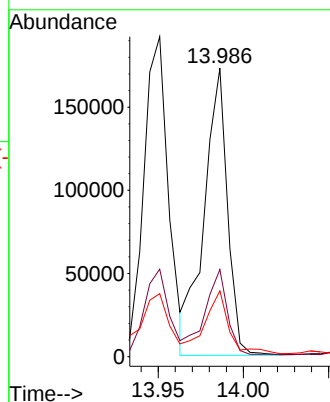
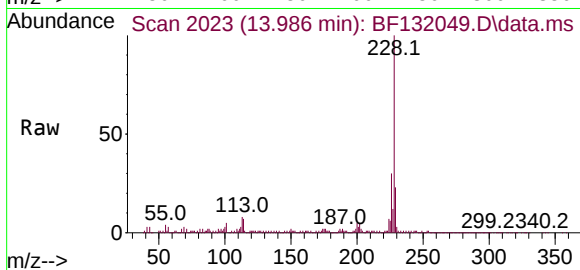
Tgt Ion:228 Resp: 16525

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	22.8	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

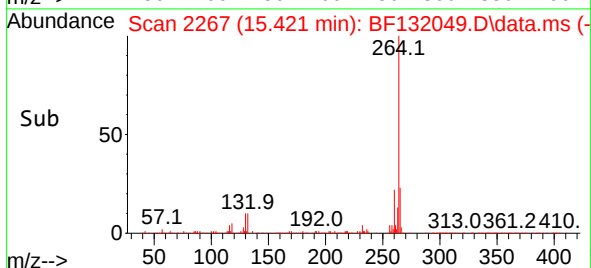
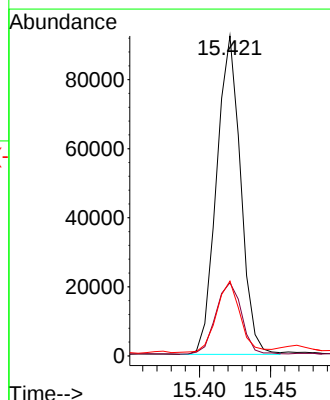
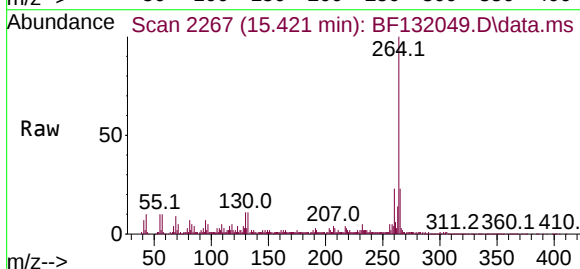
Delta R.T. 0.006 min

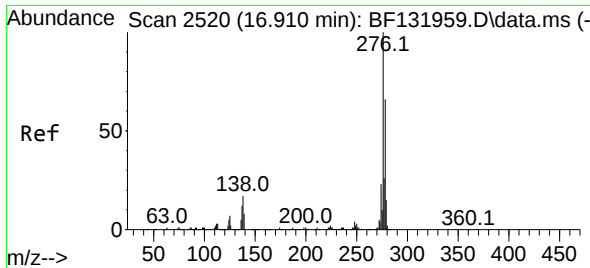
Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Tgt Ion:264 Resp: 108571

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	23.4	16.9	25.3





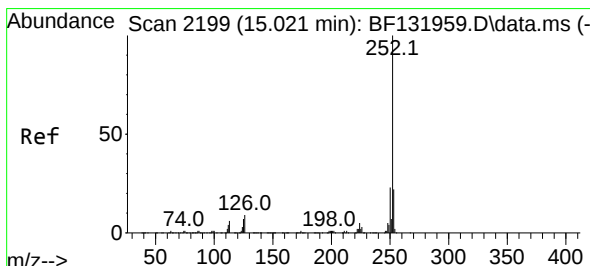
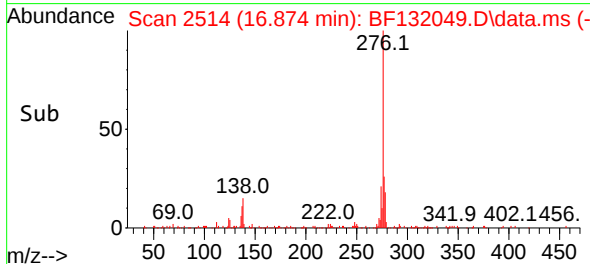
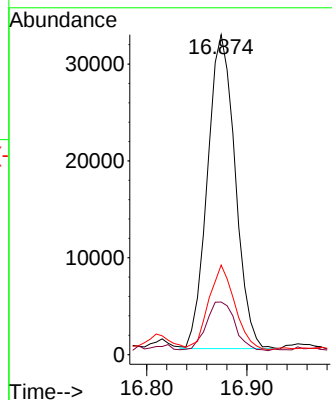
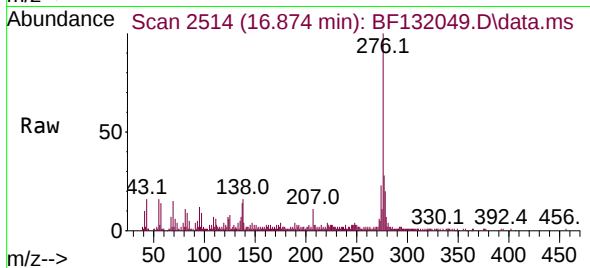
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.340 ng
RT: 16.874 min Scan# 2514
Delta R.T. -0.006 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Instrument :
BNA_F
ClientSampleId :
MH-4

Tgt Ion:276 Resp: 62190
Ion Ratio Lower Upper
276 100
138 16.4 14.2 21.2
277 25.4 20.2 30.4

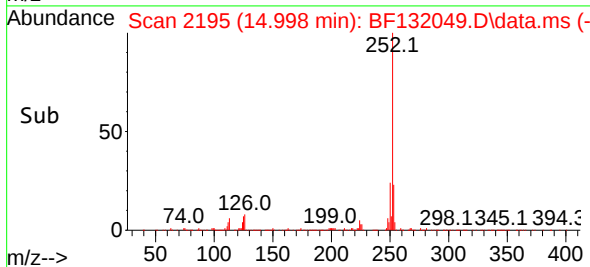
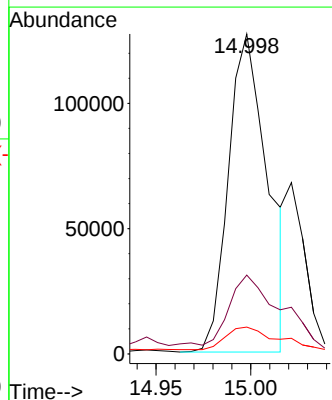
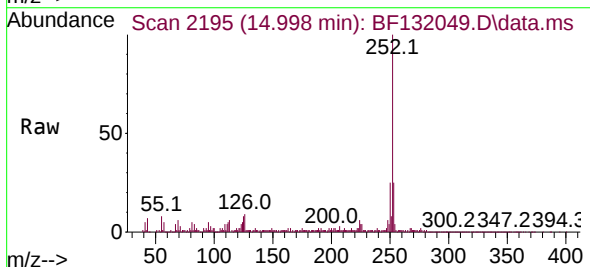
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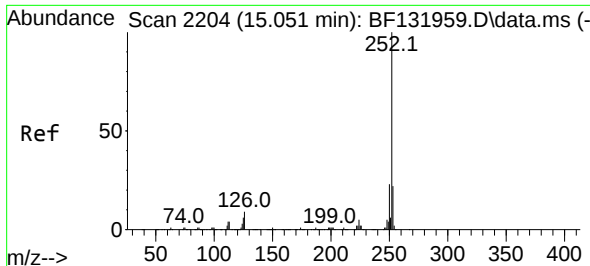
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#88
Benzo(b)fluoranthene
Concen: 24.598 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF132049.D
Acq: 12 Jan 2023 19:18

Tgt Ion:252 Resp: 183175
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 8.4 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 6.209 ng m

RT: 15.021 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Instrument :

BNA_F

ClientSampleId :

MH-4

Tgt Ion:252 Resp: 46144

Ion Ratio Lower Upper

252 100

253 27.3 17.8 26.6

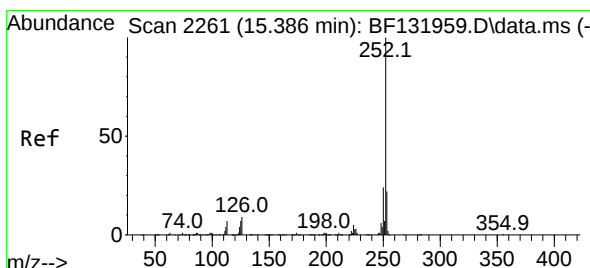
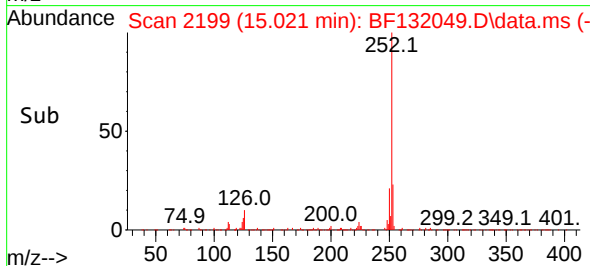
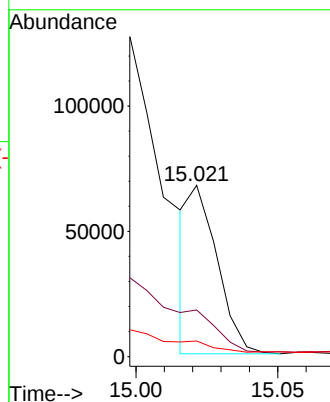
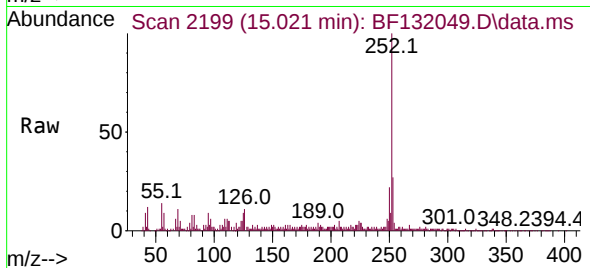
125 9.1 5.2 7.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/13/2023

Supervised By :mohammad ahmed 01/13/2023



#90

Benzo(a)pyrene

Concen: 18.342 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.000 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

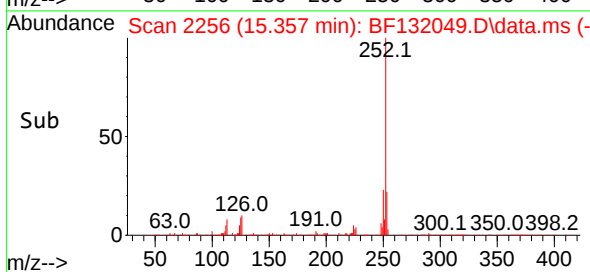
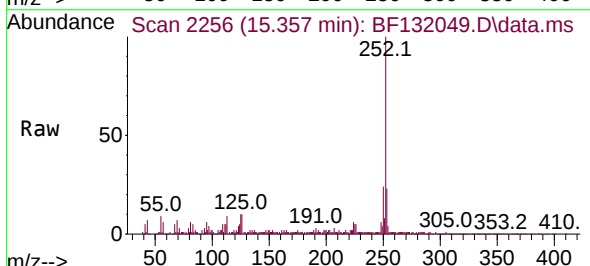
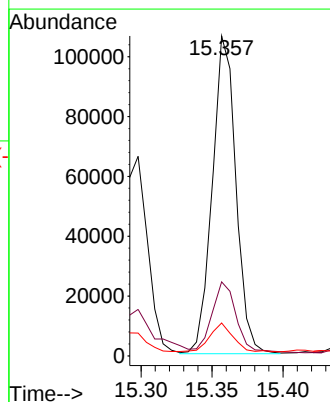
Tgt Ion:252 Resp: 123061

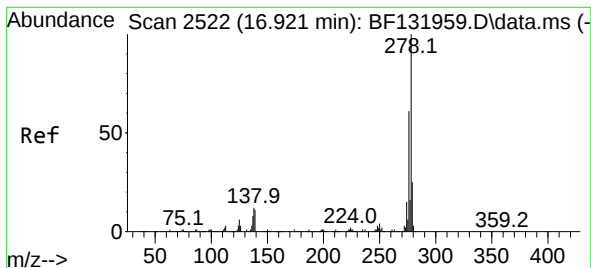
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 10.3 5.7 8.5





#91

Dibenzo(a,h)anthracene

Concen: 2.707 ng

RT: 16.880 min Scan# 2515

Delta R.T. -0.006 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Instrument :

BNA_F

ClientSampleId :

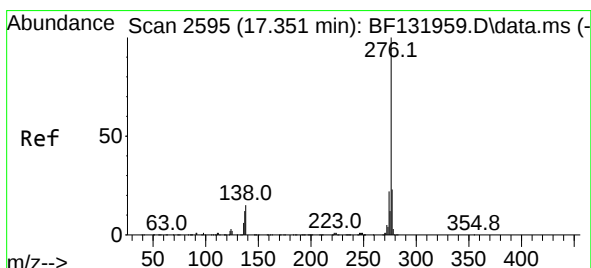
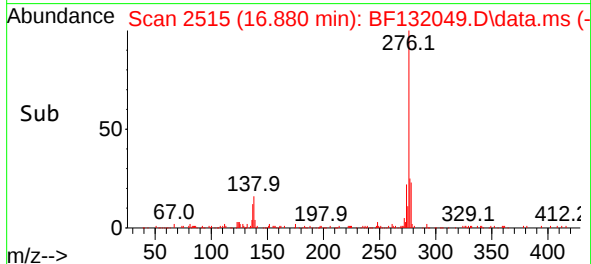
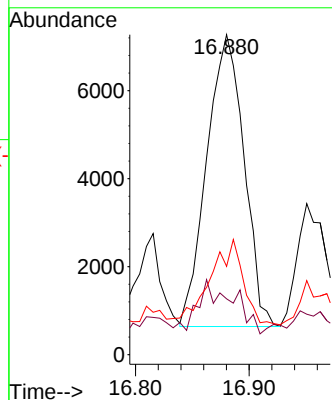
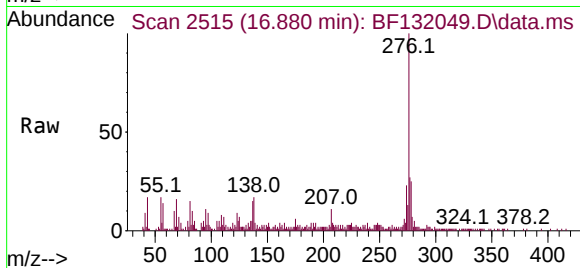
MH-4

Tgt Ion:	278	Resp:	15108
Ion Ratio	Lower	Upper	
278	100		
139	17.4	8.8	13.2
279	27.6	19.8	29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#92

Benzo(g,h,i)perylene

Concen: 12.601 ng

RT: 17.315 min Scan# 2589

Delta R.T. 0.000 min

Lab File: BF132049.D

Acq: 12 Jan 2023 19:18

Tgt Ion:	276	Resp:	58548
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.2	27.2
138	17.3	11.7	17.5

