

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134964.D
 Acq On : 28 Aug 2023 12:48
 Operator : CG\JU
 Sample : 04110-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-22(3-4)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

Quant Time: Aug 29 03:48:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	94167	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	375078	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	191539	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	366920	20.000	ng	0.00
76) Chrysene-d12	13.974	240	218613	20.000	ng	0.00
86) Perylene-d12	15.451	264	254633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	492402	83.385	ng	0.00
7) Phenol-d6	6.428	99	647089	85.756	ng	-0.01
23) Nitrobenzene-d5	7.351	82	407552	59.874	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	192655	85.402	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	751298	60.637	ng	-0.01
79) Terphenyl-d14	12.916	244	823940	51.838	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	60194	3.214	ng	98
52) Acenaphthene	9.857	154	58697	5.358	ng	98
55) Dibenzofuran	10.028	168	32935	2.065	ng	# 94
58) Fluorene	10.375	166	38948	3.219	ng	99
71) Phenanthrene	11.345	178	581228	30.229	ng	99
72) Anthracene	11.392	178	134619	6.833	ng	99
73) Carbazole	11.551	167	91289	5.624	ng	99
75) Fluoranthene	12.539	202	872260	47.879	ng	99
78) Pyrene	12.769	202	754904	32.569	ng	99
81) Benzo(a)anthracene	13.963	228	409505	27.455	ng	99
83) Chrysene	14.004	228	382531	25.993	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	273976	15.053	ng	94
88) Benzo(b)fluoranthene	15.021	252	566320m	39.420	ng	
89) Benzo(k)fluoranthene	15.045	252	173274m	12.283	ng	
90) Benzo(a)pyrene	15.392	252	414335	28.891	ng	98
91) Dibenzo(a,h)anthracene	16.951	278	70412m	4.781	ng	
92) Benzo(g,h,i)perylene	17.392	276	248403	16.477	ng	99

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

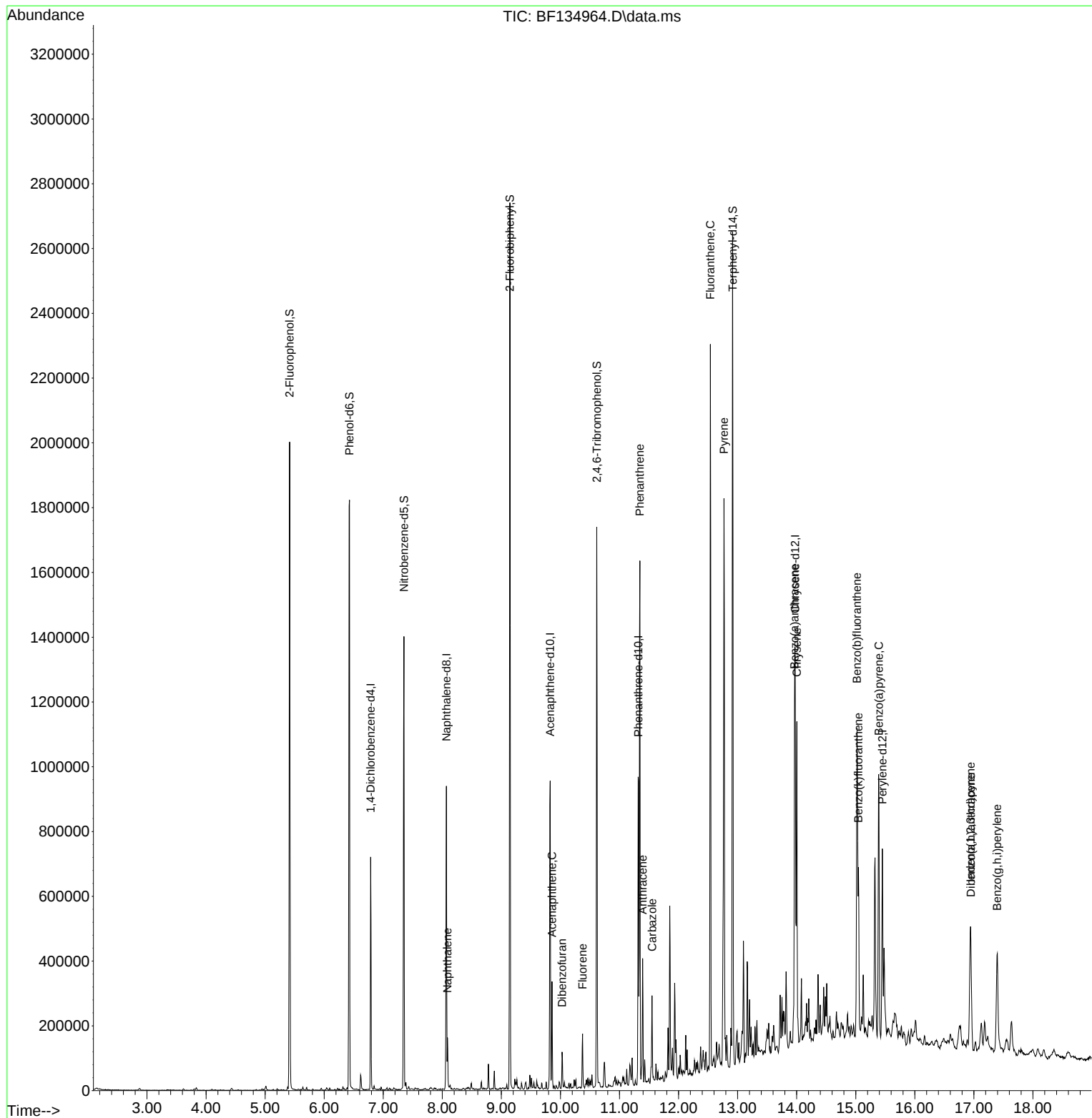
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
Data File : BF134964.D
Acq On : 28 Aug 2023 12:48
Operator : CG\JU
Sample : 04110-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

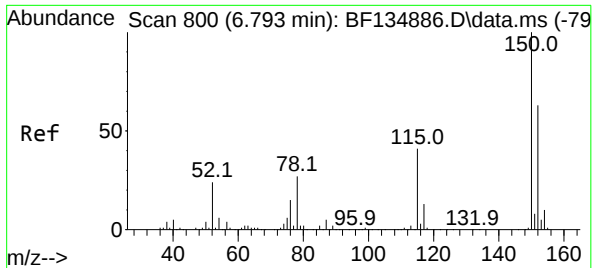
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)

Quant Time: Aug 29 03:48:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 02:45:19 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

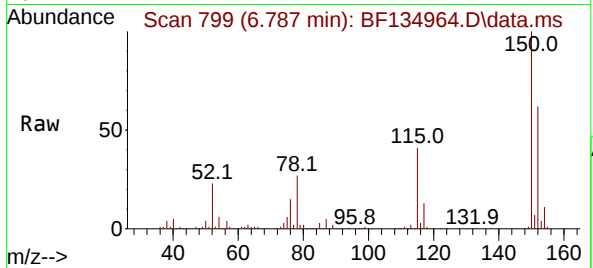
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

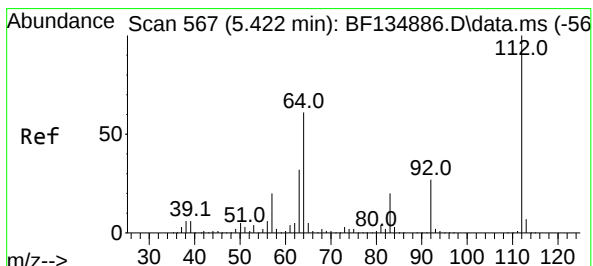
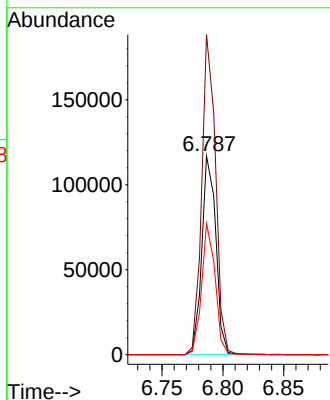
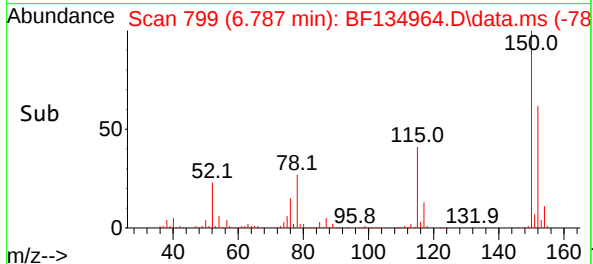
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



Tgt Ion:152 Resp: 9416
Ion Ratio Lower Upper
152 100
150 161.0 126.1 189.1
115 65.9 51.1 76.7

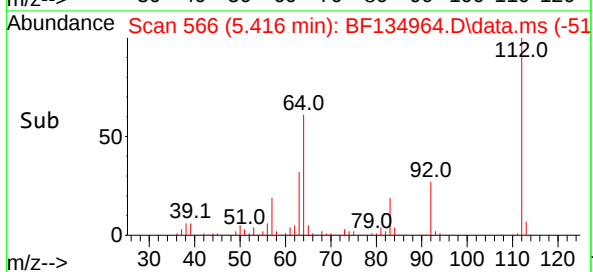
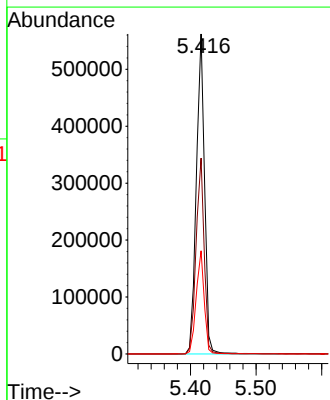
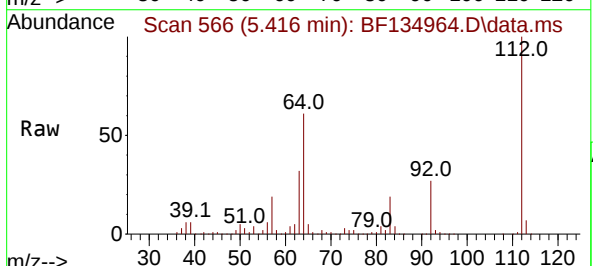
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#5
2-Fluorophenol
Concen: 83.385 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

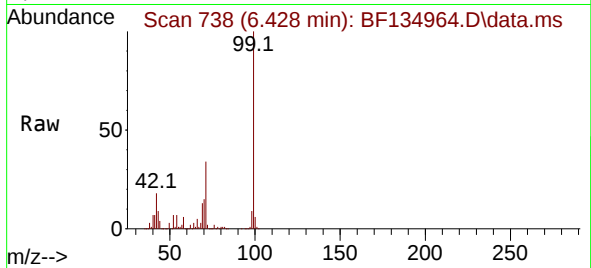
Tgt Ion:112 Resp: 492402
Ion Ratio Lower Upper
112 100
64 61.2 48.6 73.0
63 32.2 25.7 38.5





#7
Phenol-d6
Concen: 85.756 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

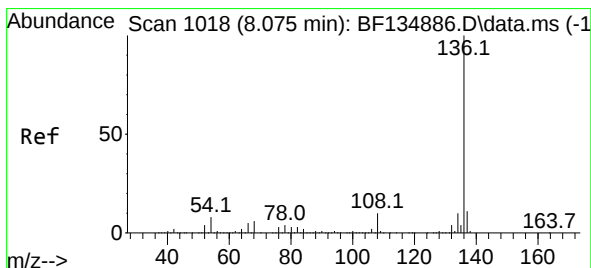
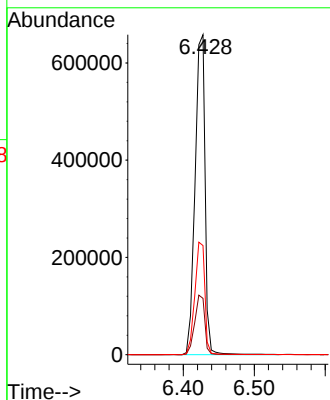
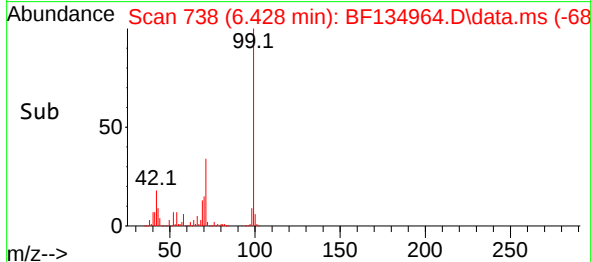
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



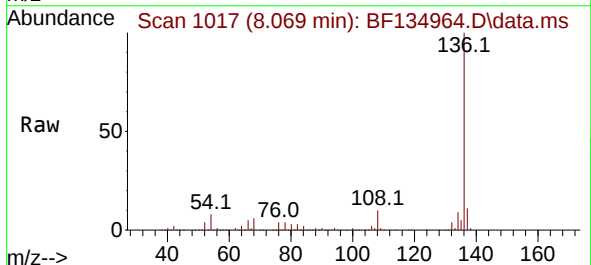
Tgt Ion: 99 Resp: 647089
Ion Ratio Lower Upper
99 100
42 17.6 14.6 22.0
71 34.1 27.6 41.4

Manual Integrations
APPROVED

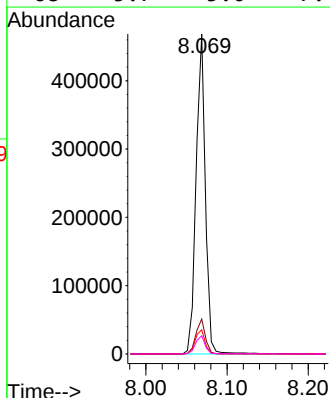
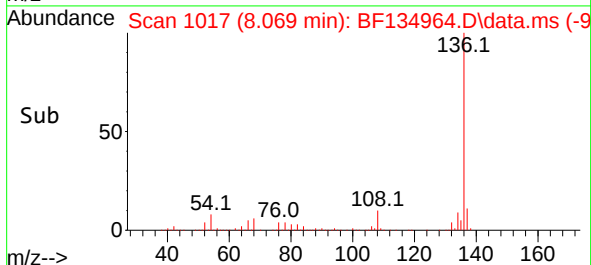
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

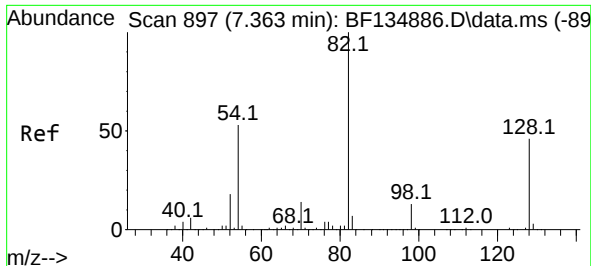


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48



Tgt Ion:136 Resp: 375078
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.5 6.6 9.8
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 59.874 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134964.D

Acq: 28 Aug 2023 12:48

Instrument :

BNA_F

ClientSampleId :

TP-22(3-4)

Tgt Ion: 82 Resp: 407552

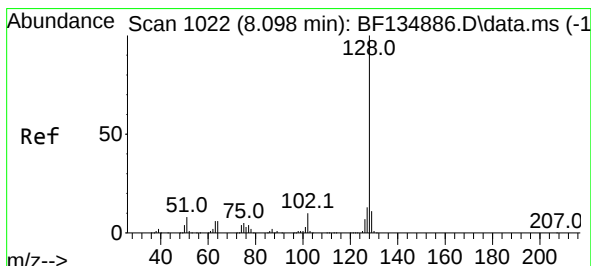
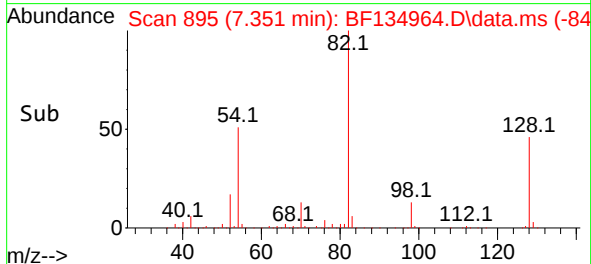
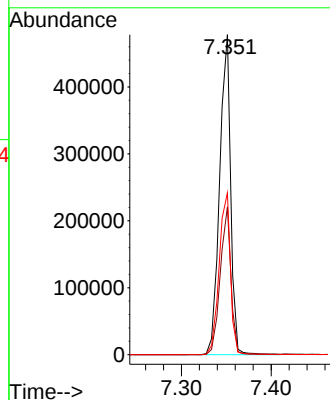
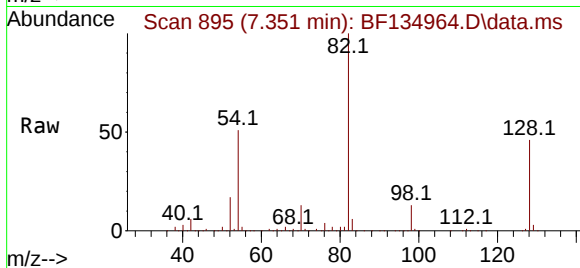
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.6	54.8
54	50.6	42.6	63.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#31

Naphthalene

Concen: 3.214 ng

RT: 8.086 min Scan# 1020

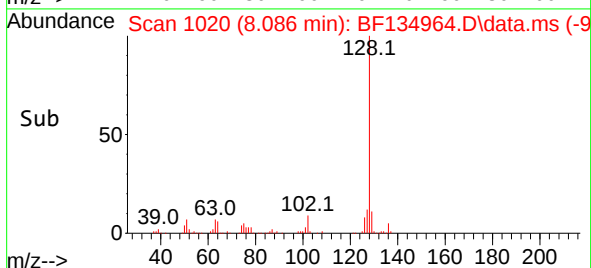
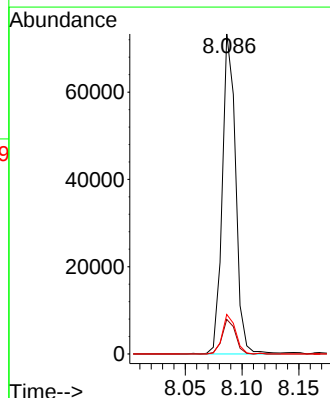
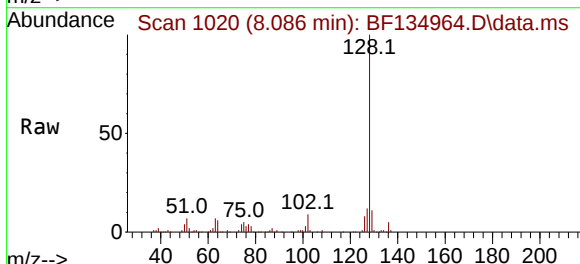
Delta R.T. -0.012 min

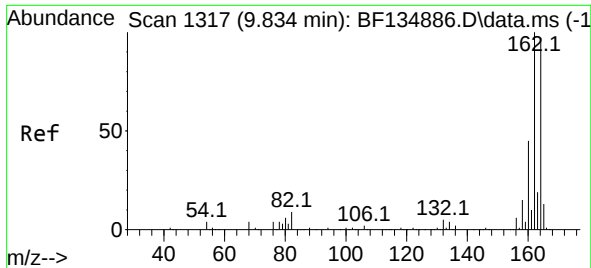
Lab File: BF134964.D

Acq: 28 Aug 2023 12:48

Tgt Ion:128 Resp: 60194

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.3	10.6	16.0





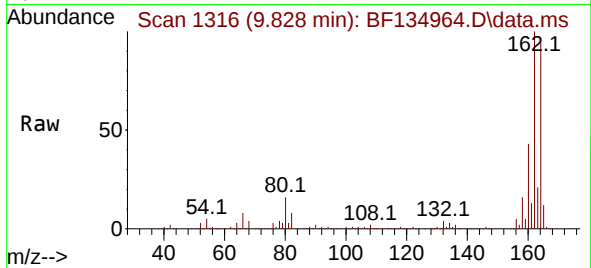
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

Instrument :

BNA_F

ClientSampleId :

TP-22(3-4)

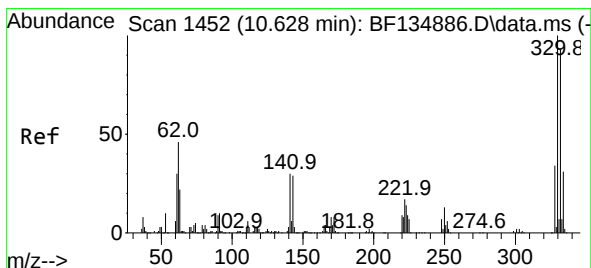
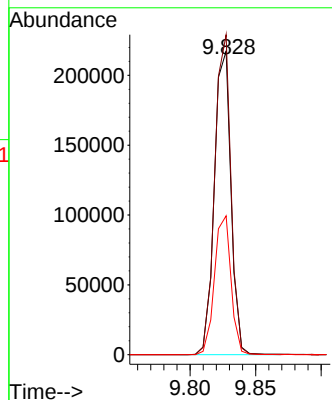
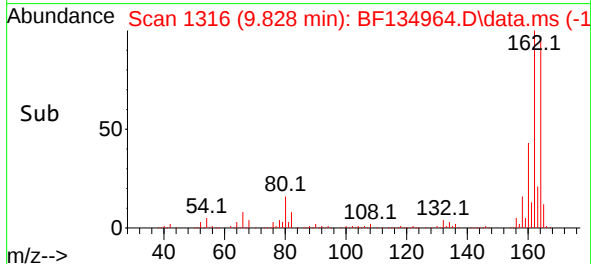


Tgt Ion:164 Resp: 191539
Ion Ratio Lower Upper
164 100
162 105.4 82.6 123.8
160 45.8 37.0 55.4

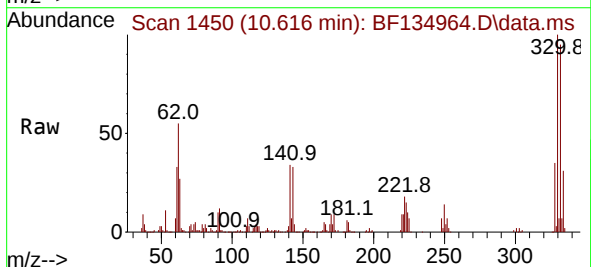
Manual Integrations

APPROVED

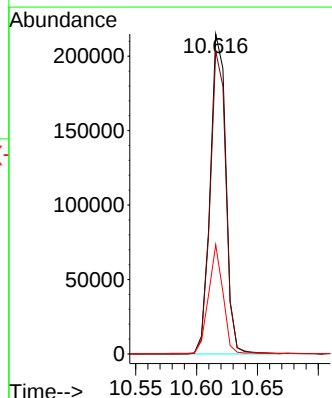
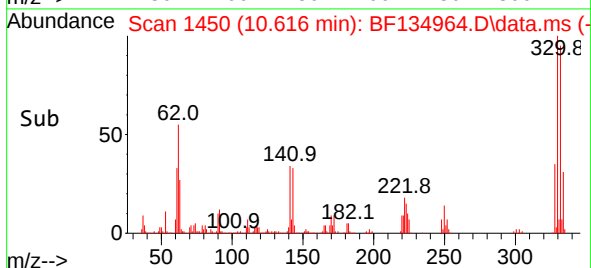
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

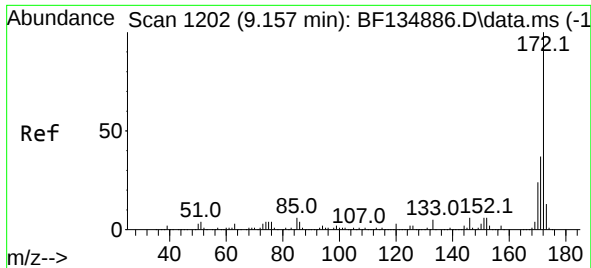


#42
2,4,6-Tribromophenol
Concen: 85.402 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48



Tgt Ion:330 Resp: 192655
Ion Ratio Lower Upper
330 100
332 95.1 76.3 114.5
141 32.2 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 60.637 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134964.D

Acq: 28 Aug 2023 12:48

Instrument :

BNA_F

ClientSampleId :

TP-22(3-4)

Tgt Ion:172 Resp: 751298

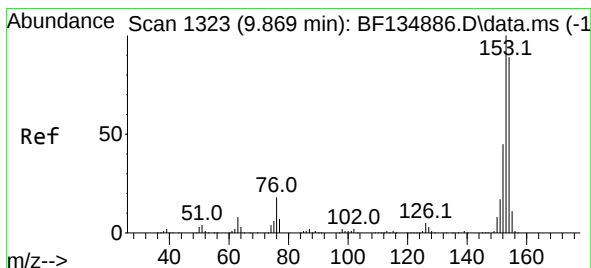
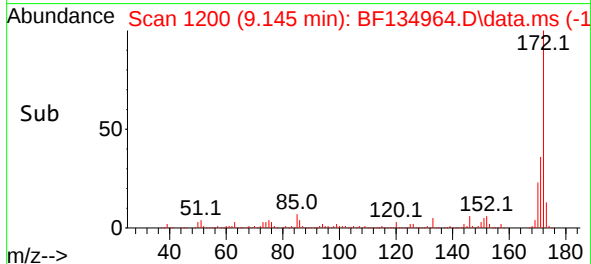
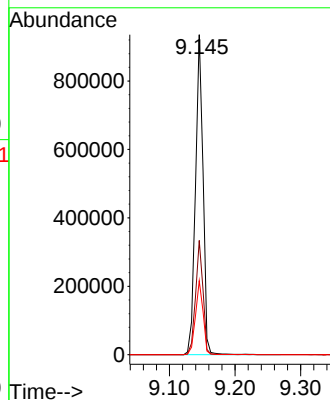
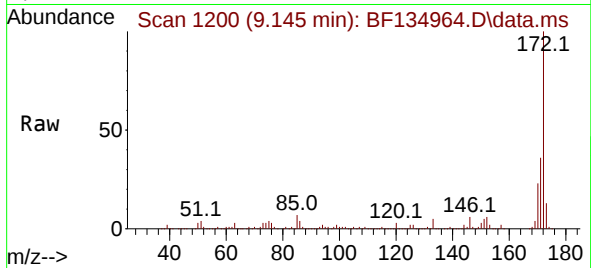
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.1	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023

Supervised By :mohammad ahmed 08/29/2023



#52

Acenaphthene

Concen: 5.358 ng

RT: 9.857 min Scan# 1321

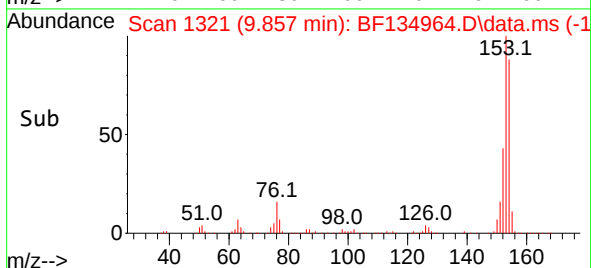
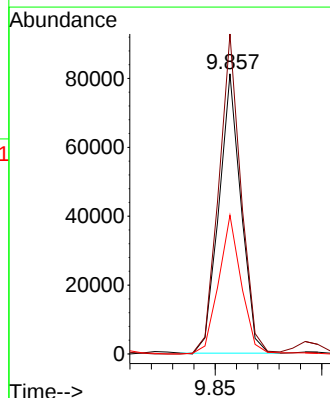
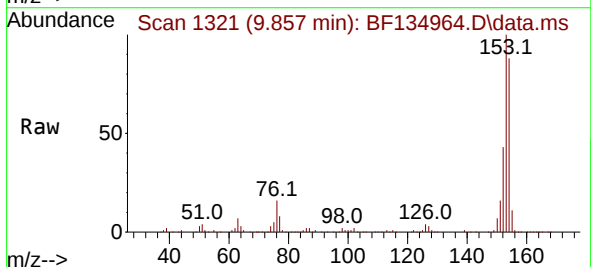
Delta R.T. -0.012 min

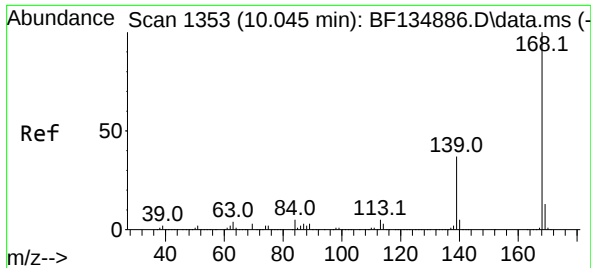
Lab File: BF134964.D

Acq: 28 Aug 2023 12:48

Tgt Ion:154 Resp: 58697

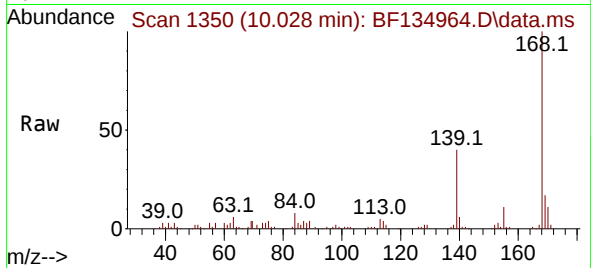
Ion	Ratio	Lower	Upper
154	100		
153	114.2	89.6	134.4
152	49.5	40.5	60.7





#55
Dibenzofuran
Concen: 2.065 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

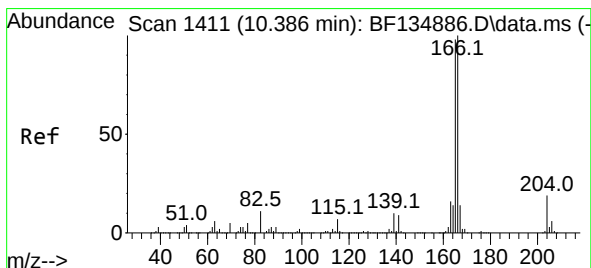
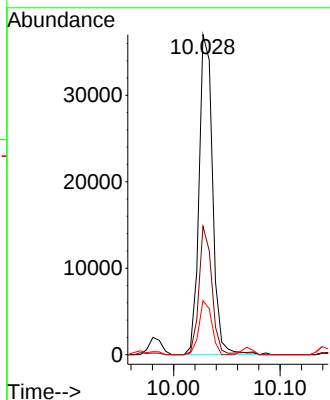
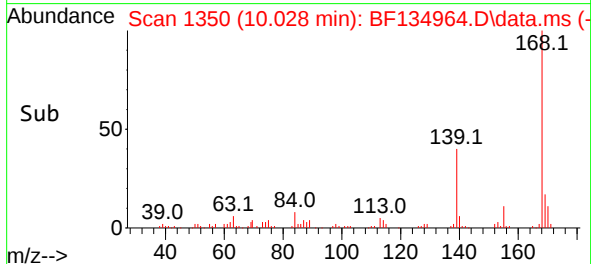
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



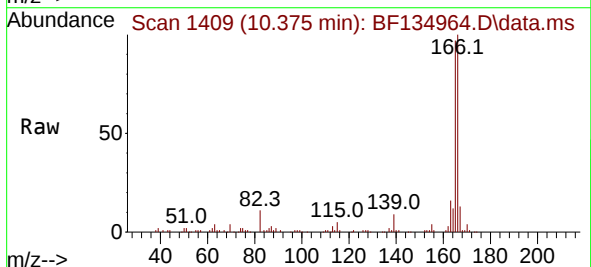
Tgt Ion:168 Resp: 3293
Ion Ratio Lower Upper
168 100
139 40.1 29.5 44.3
169 16.8 10.7 16.1

Manual Integrations
APPROVED

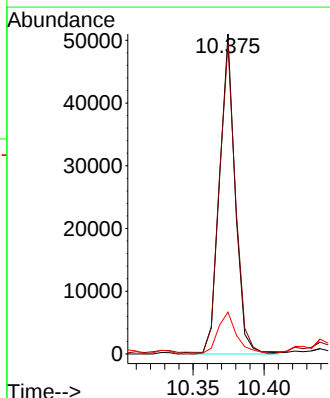
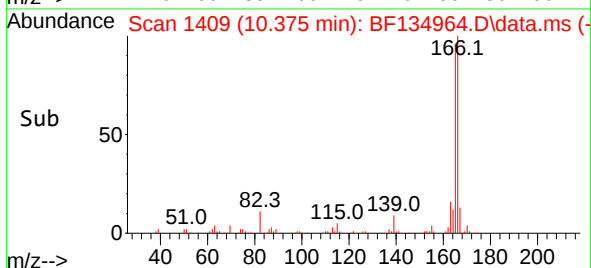
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

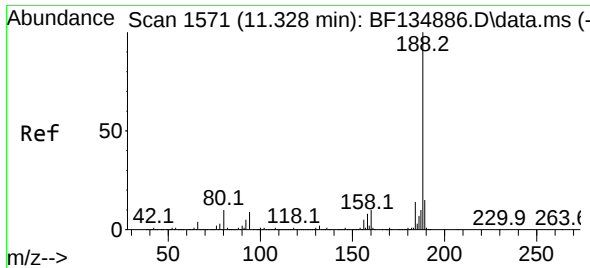


#58
Fluorene
Concen: 3.219 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.011 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48



Tgt Ion:166 Resp: 38948
Ion Ratio Lower Upper
166 100
165 96.9 78.5 117.7
167 13.1 11.0 16.6





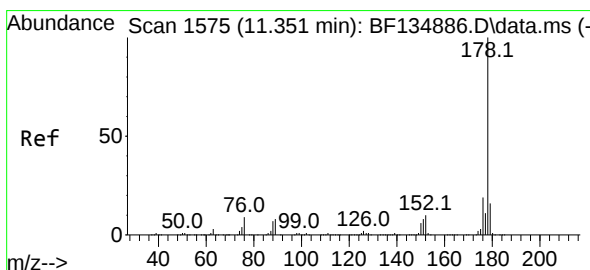
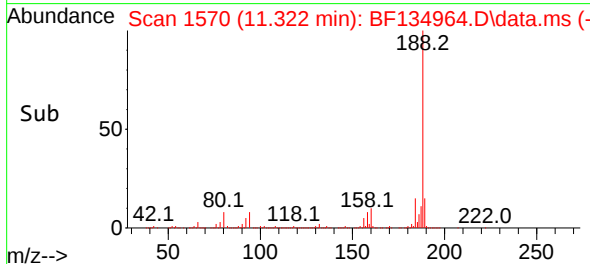
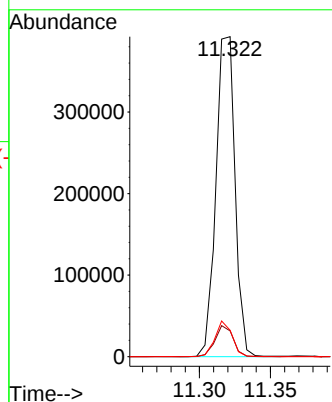
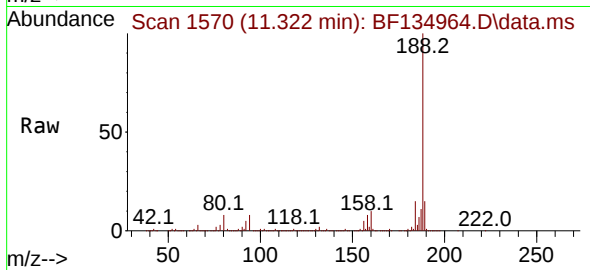
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)

Tgt Ion:188 Resp: 366920
Ion Ratio Lower Upper
188 100
94 8.1 7.5 11.3
80 8.3 7.8 11.6

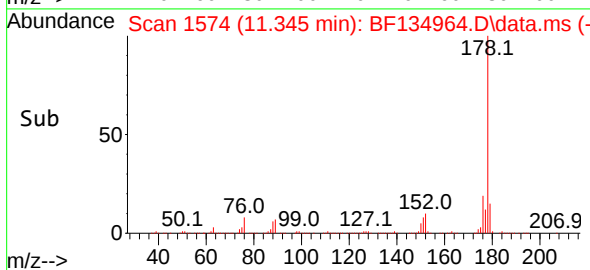
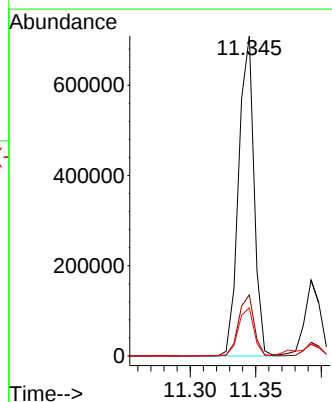
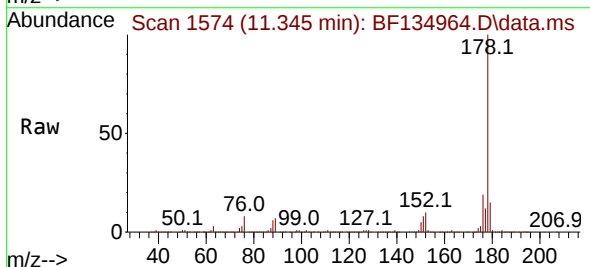
Manual Integrations
APPROVED

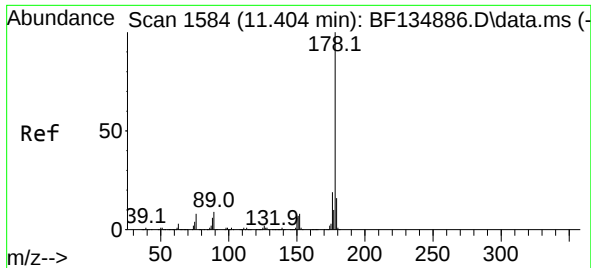
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#71
Phenanthrene
Concen: 30.229 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

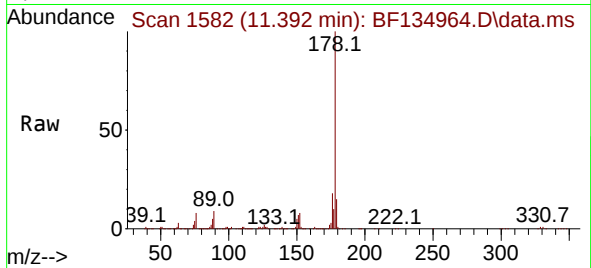
Tgt Ion:178 Resp: 581228
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 6.833 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134964.D
 Acq: 28 Aug 2023 12:48

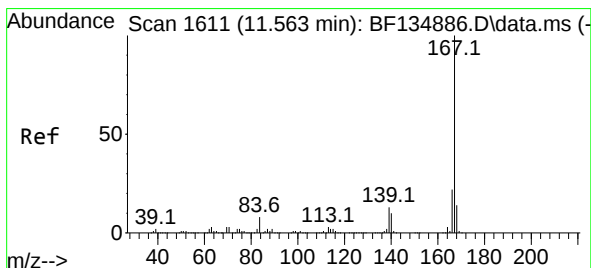
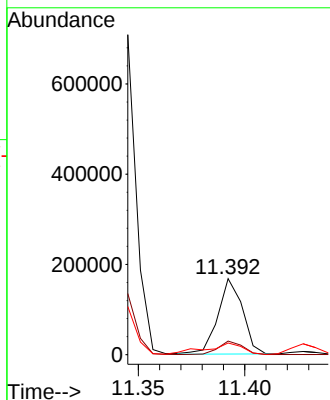
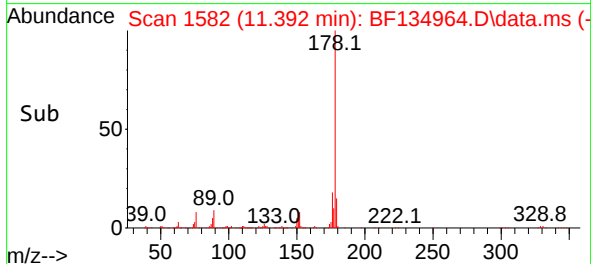
Instrument :
 BNA_F
 ClientSampleId :
 TP-22(3-4)



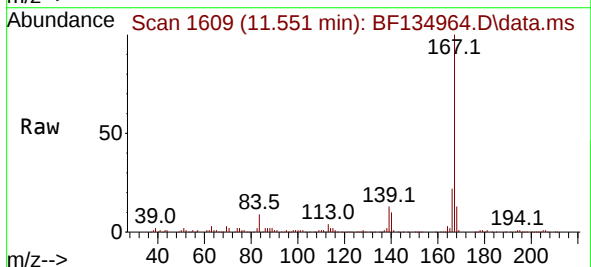
Tgt Ion:178 Resp: 134619
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 15.5 12.5 18.7

Manual Integrations
 APPROVED

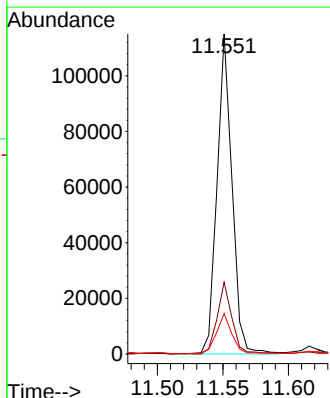
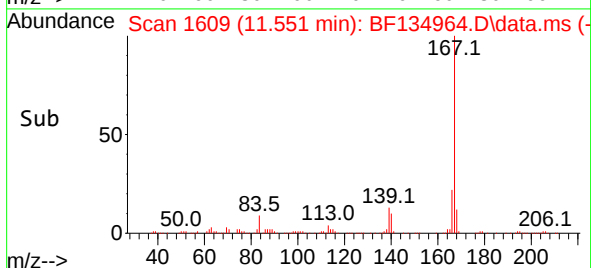
Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

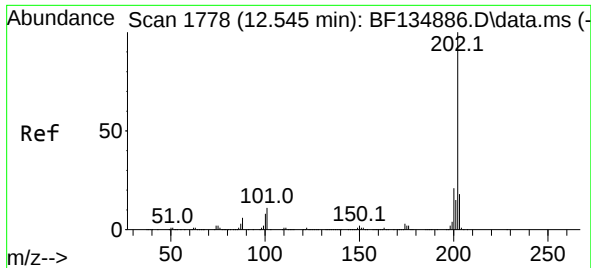


#73
 Carbazole
 Concen: 5.624 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.012 min
 Lab File: BF134964.D
 Acq: 28 Aug 2023 12:48



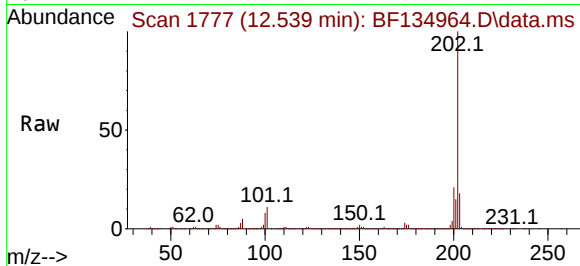
Tgt Ion:167 Resp: 91289
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.2
 139 12.6 10.4 15.6





#75
Fluoranthene
Concen: 47.879 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

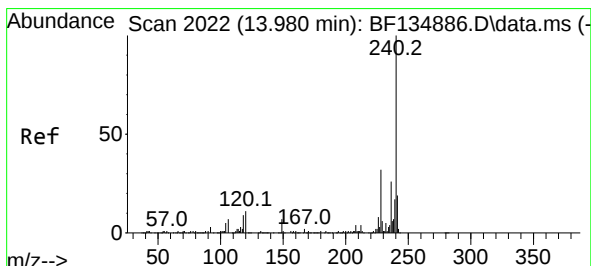
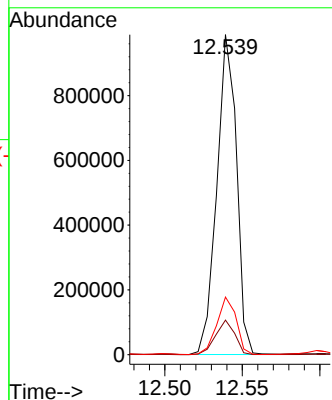
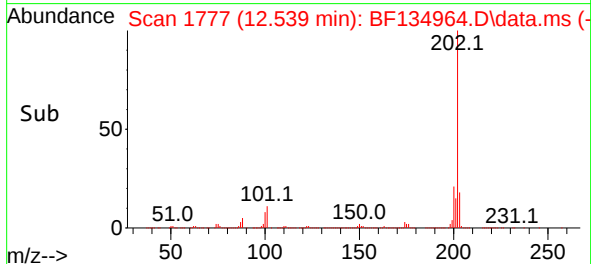
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



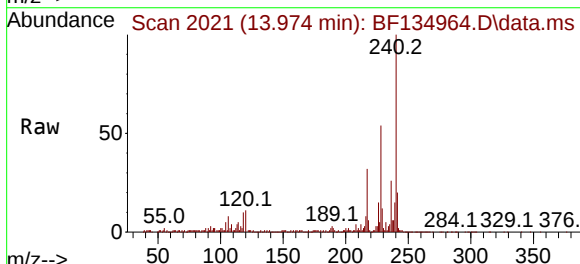
Tgt Ion:202 Resp: 872260
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.5
203 18.0 0.0 37.8

Manual Integrations
APPROVED

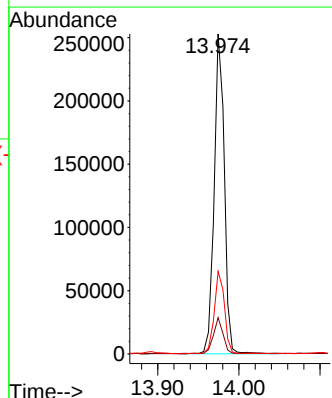
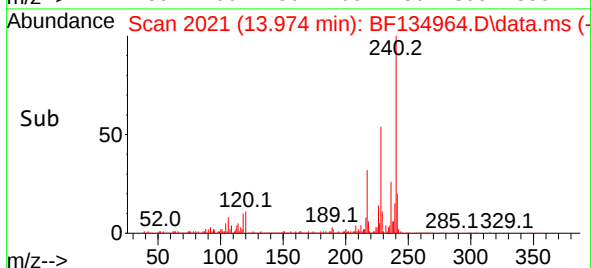
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

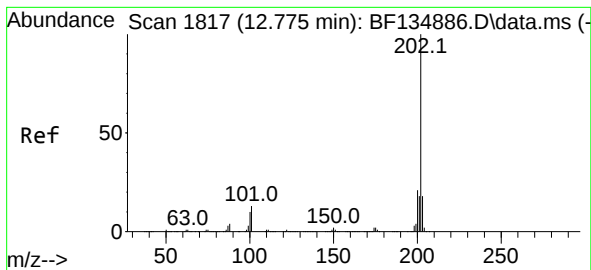


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48



Tgt Ion:240 Resp: 218613
Ion Ratio Lower Upper
240 100
120 11.4 8.6 12.8
236 25.8 20.6 31.0





#78

Pyrene

Concen: 32.569 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134964.D

Acq: 28 Aug 2023 12:48

Instrument :

BNA_F

ClientSampleId :

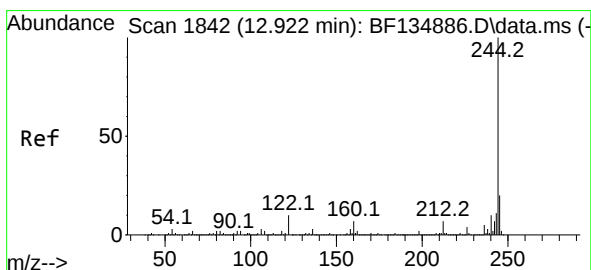
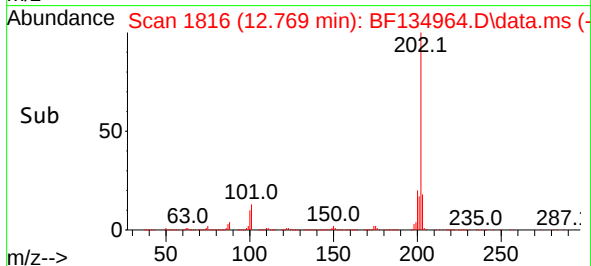
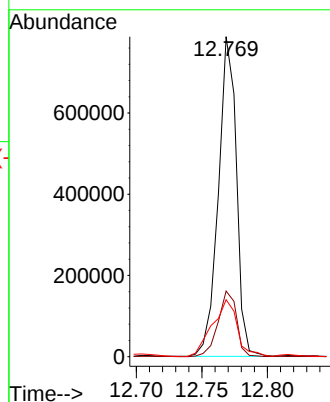
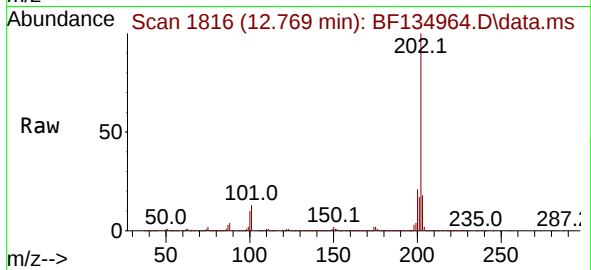
TP-22(3-4)

Tgt Ion:202 Resp: 754904
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.1 25.7
 203 17.8 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023



#79

Terphenyl-d14

Concen: 51.838 ng

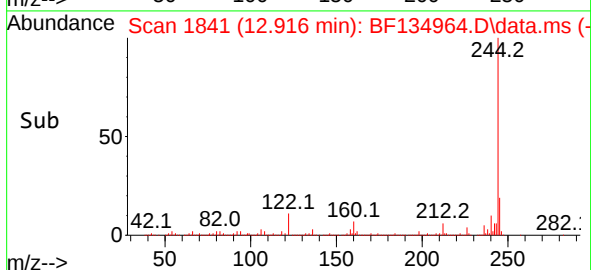
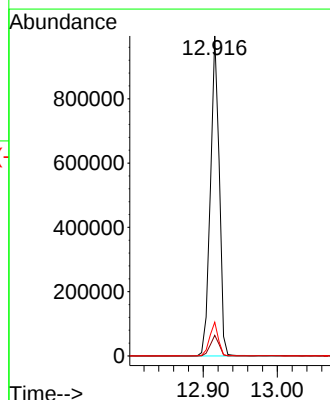
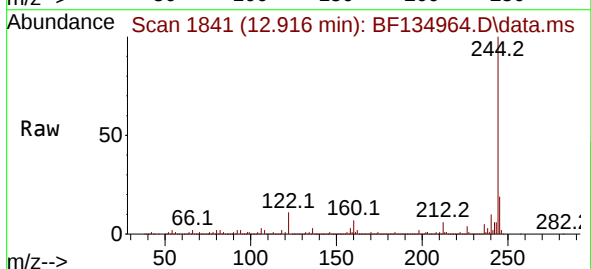
RT: 12.916 min Scan# 1841

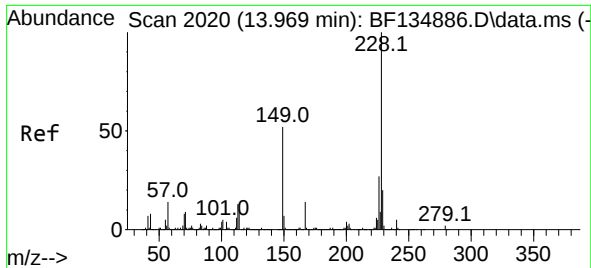
Delta R.T. -0.006 min

Lab File: BF134964.D

Acq: 28 Aug 2023 12:48

Tgt Ion:244 Resp: 823940
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.5 8.2 12.4





#81
Benzo(a)anthracene
Concen: 27.455 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

Instrument :

BNA_F

ClientSampleId :

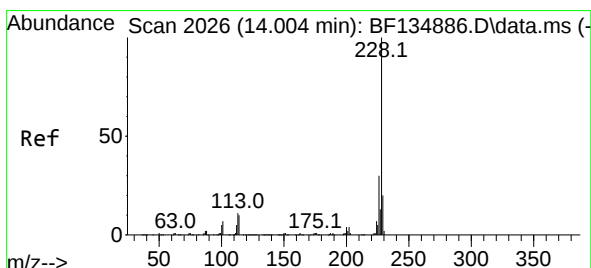
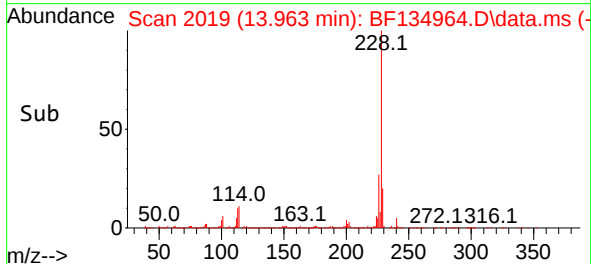
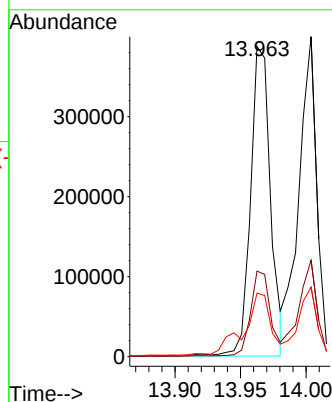
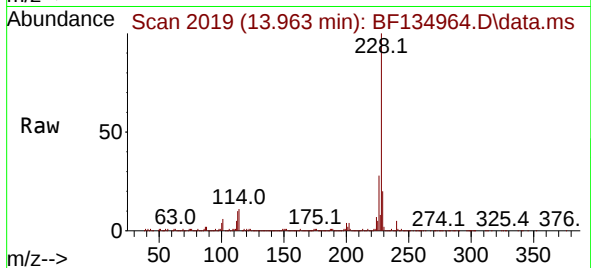
TP-22(3-4)

Tgt Ion:228 Resp: 409509
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.6
229 20.5 15.6 23.4

Manual Integrations

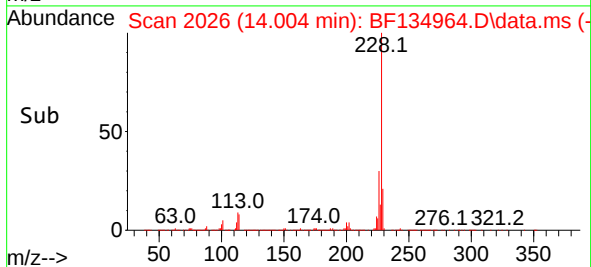
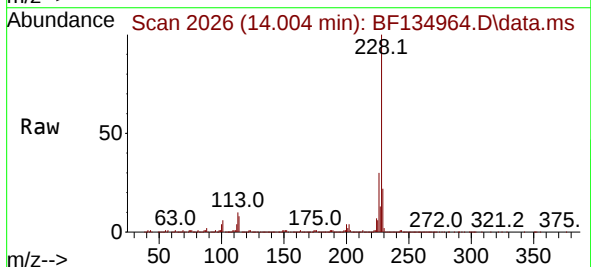
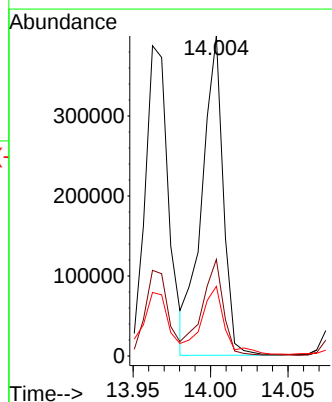
APPROVED

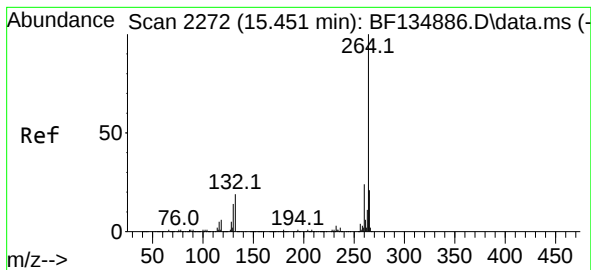
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#83
Chrysene
Concen: 25.993 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

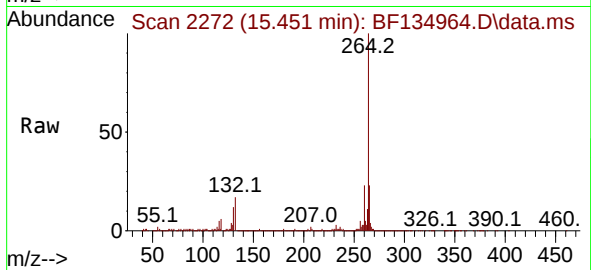
Tgt Ion:228 Resp: 382531
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 21.8 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

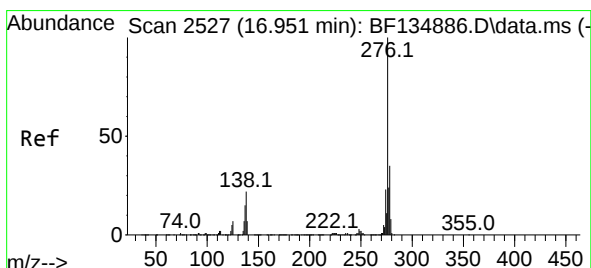
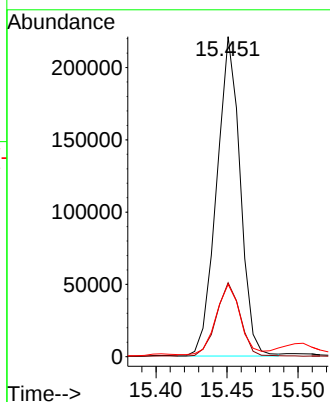
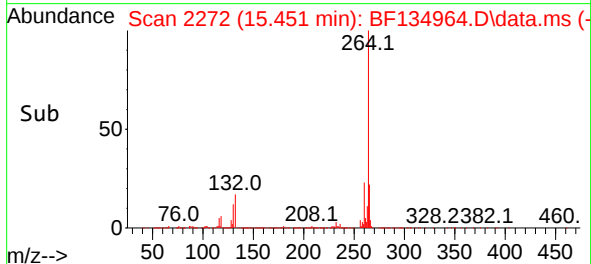
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



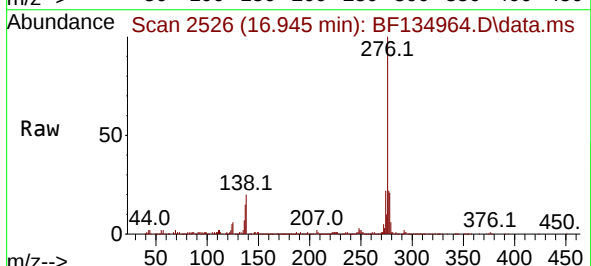
Tgt Ion:264 Resp: 25463
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.6
265 22.6 17.1 25.7

Manual Integrations
APPROVED

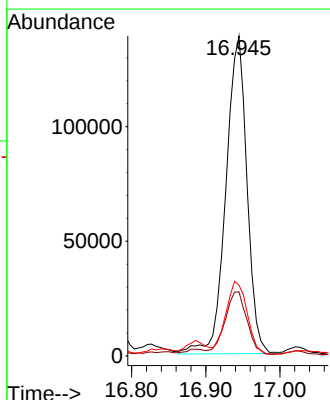
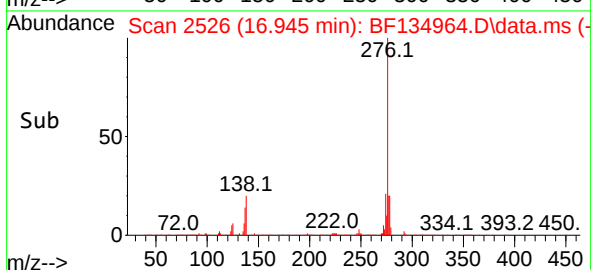
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

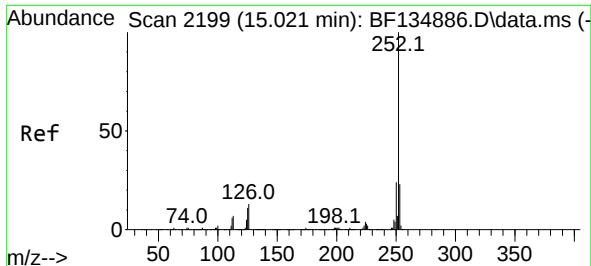


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.053 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48



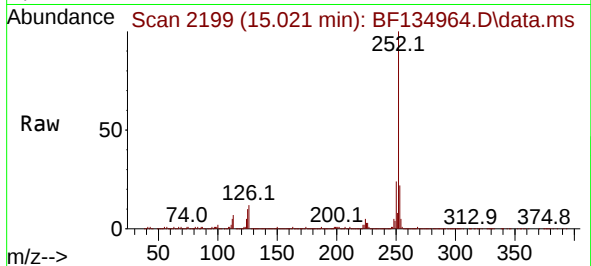
Tgt Ion:276 Resp: 273976
Ion Ratio Lower Upper
276 100
138 20.3 19.7 29.5
277 22.9 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 39.420 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

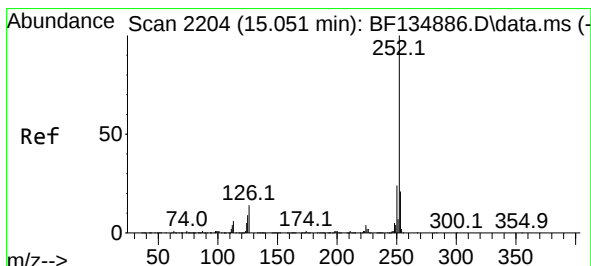
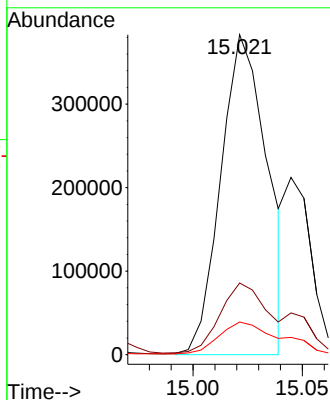
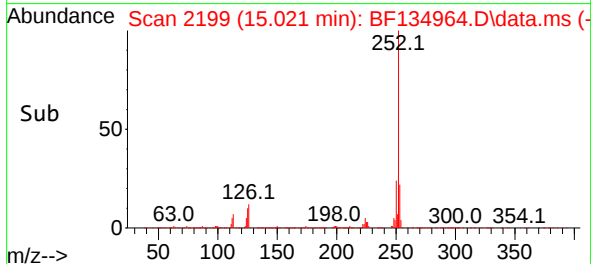
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



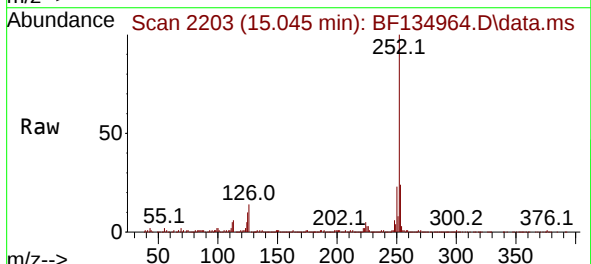
Tgt Ion:252 Resp: 566320
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 10.2 8.4 12.6

Manual Integrations
APPROVED

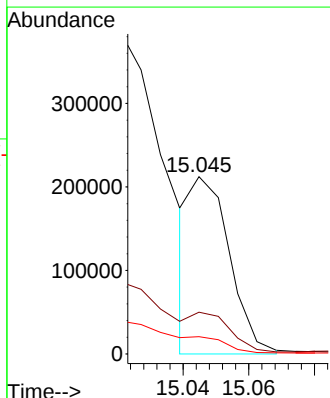
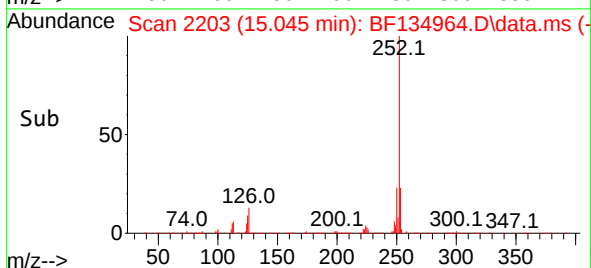
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023

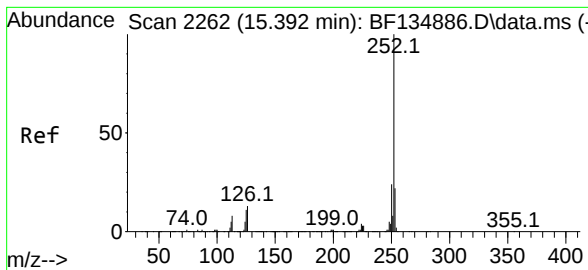


#89
Benzo(k)fluoranthene
Concen: 12.283 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48



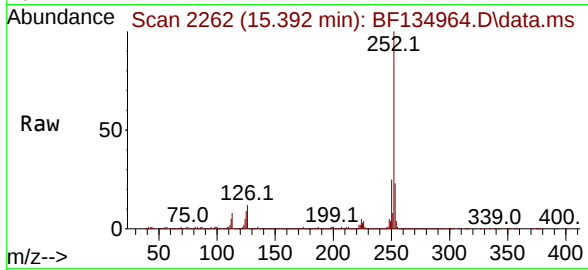
Tgt Ion:252 Resp: 173274
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 9.8 8.0 12.0





#90
Benzo(a)pyrene
Concen: 28.891 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

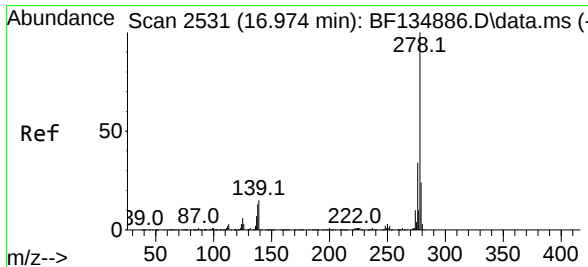
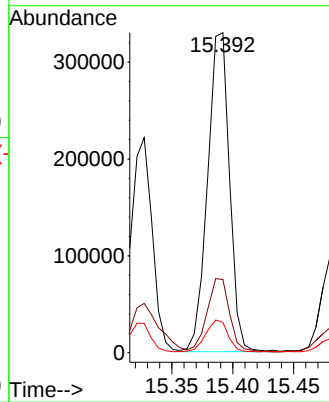
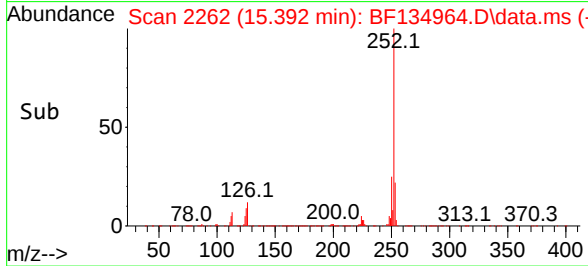
Instrument :
BNA_F
ClientSampleId :
TP-22(3-4)



Tgt Ion:252 Resp: 41433
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 9.5 8.4 12.6

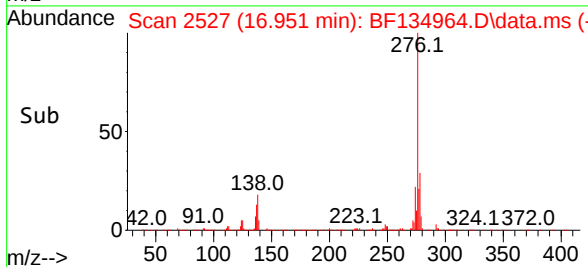
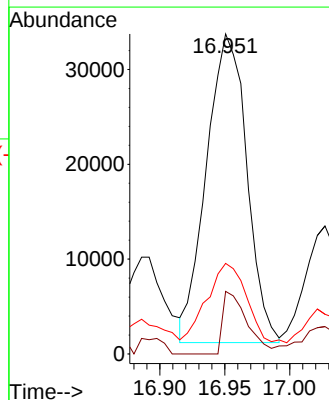
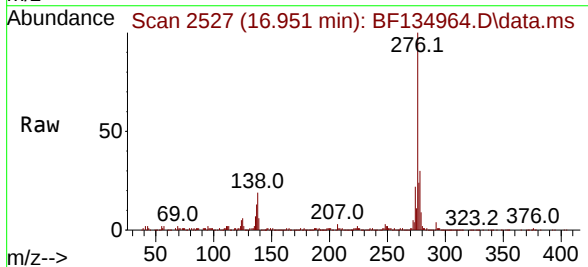
Manual Integrations
APPROVED

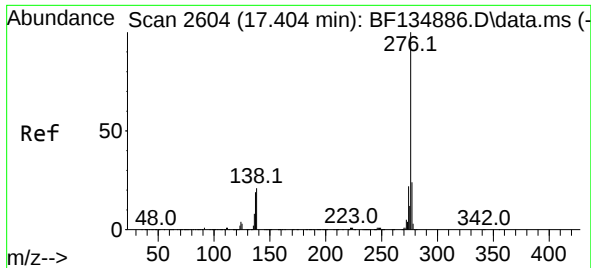
Reviewed By :Yogesh Patel 08/29/2023
Supervised By :mohammad ahmed 08/29/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.781 ng m
RT: 16.951 min Scan# 2527
Delta R.T. -0.024 min
Lab File: BF134964.D
Acq: 28 Aug 2023 12:48

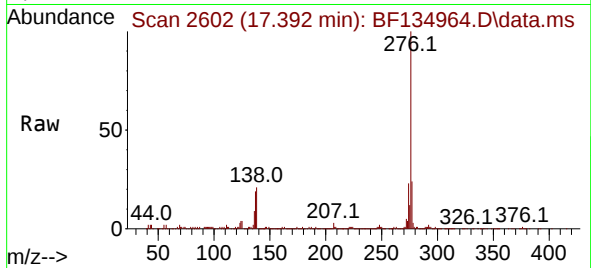
Tgt Ion:278 Resp: 70412
Ion Ratio Lower Upper
278 100
139 19.5 12.2 18.4#
279 28.3 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 16.477 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF134964.D
 Acq: 28 Aug 2023 12:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-22(3-4)



Tgt Ion:276 Resp: 24840
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.2 28.8
 138 21.5 17.0 25.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/29/2023
 Supervised By :mohammad ahmed 08/29/2023

