

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134406.D
 Acq On : 21 Jul 2023 17:53
 Operator : CG\JU
 Sample : 03640-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 21 18:43:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	67601	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	252723	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	125975	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	229606	20.000	ng	0.00
76) Chrysene-d12	14.033	240	143010	20.000	ng	0.00
86) Perylene-d12	15.539	264	155284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	412105	101.974	ng	0.01
7) Phenol-d6	6.481	99	484954	97.577	ng	0.00
23) Nitrobenzene-d5	7.404	82	329744	70.334	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	163051	103.231	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	601101	69.374	ng	-0.01
79) Terphenyl-d14	12.969	244	581824	65.478	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	86997	7.527	ng	97
75) Fluoranthene	12.592	202	194547	15.569	ng	96
78) Pyrene	12.822	202	151618	11.392	ng	99
81) Benzo(a)anthracene	14.021	228	50093	5.051	ng	98
83) Chrysene	14.057	228	74014	7.705	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	38121	3.538	ng	# 91
88) Benzo(b)fluoranthene	15.092	252	99452m	10.892	ng	
89) Benzo(k)fluoranthene	15.121	252	33433m	3.596	ng	
90) Benzo(a)pyrene	15.468	252	59496m	6.738	ng	
92) Benzo(g,h,i)perylene	17.557	276	35469	3.908	ng	99

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

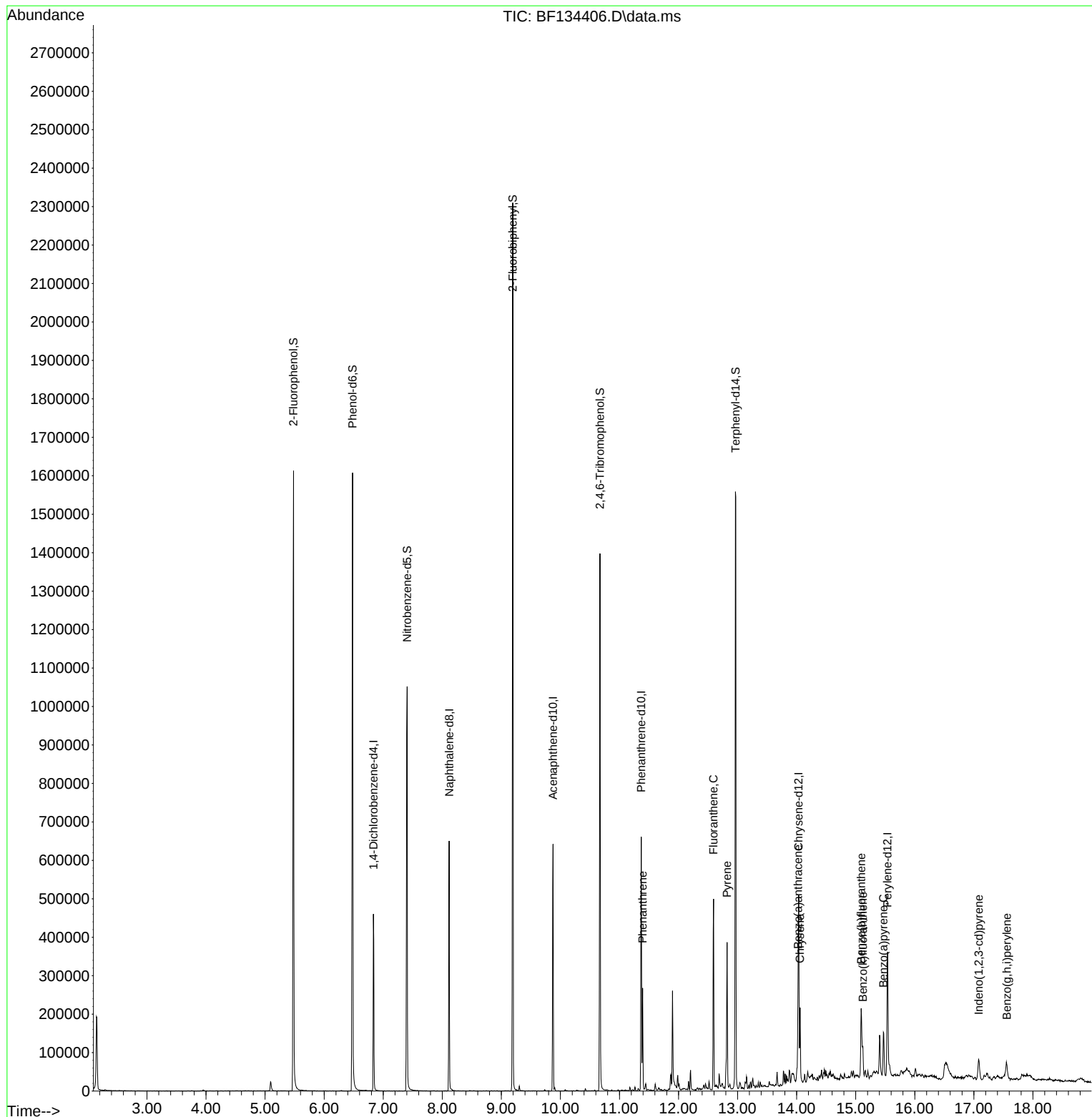
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
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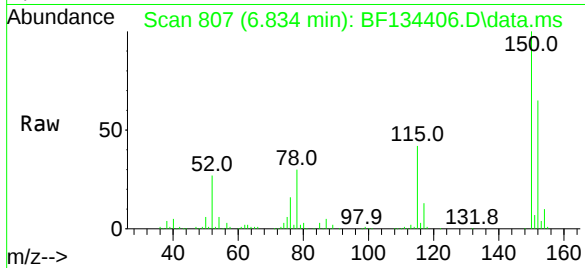
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 810
Delta R.T. -0.011 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

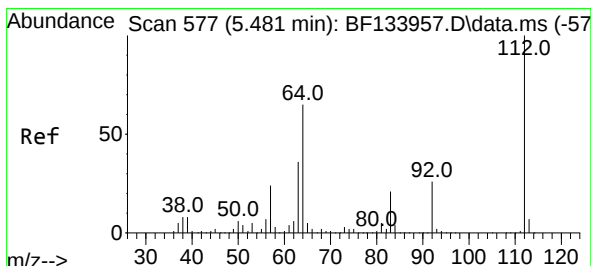
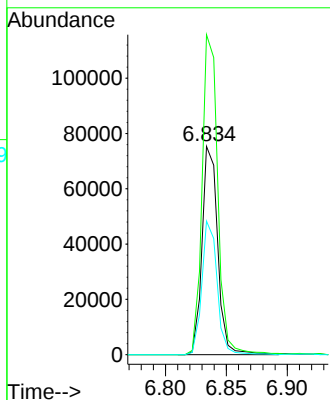
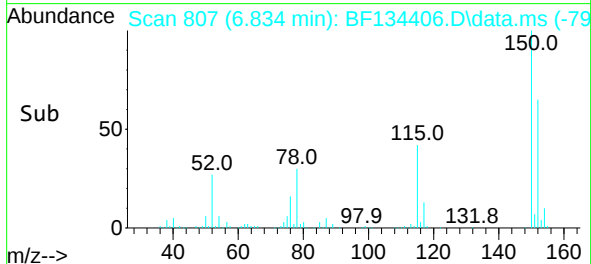
Instrument :
BNA_F
ClientSampleId :
TP8



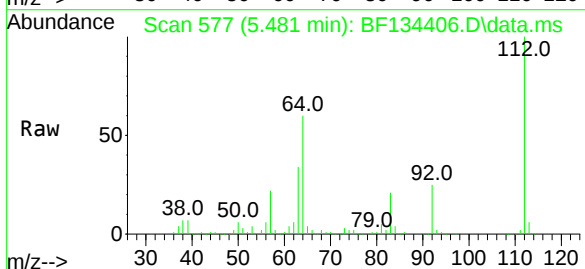
Tgt Ion:152 Resp: 6760
Ion Ratio Lower Upper
152 100
150 153.6 124.5 186.7
115 64.1 50.2 75.2

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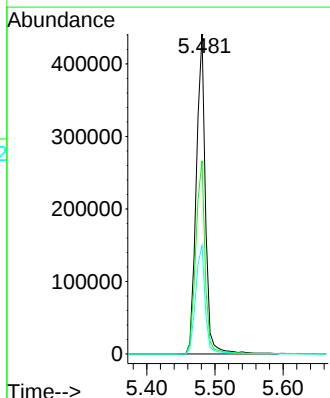
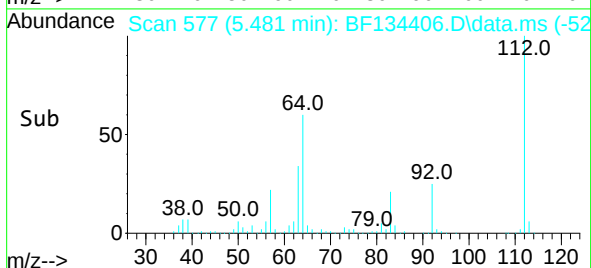
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

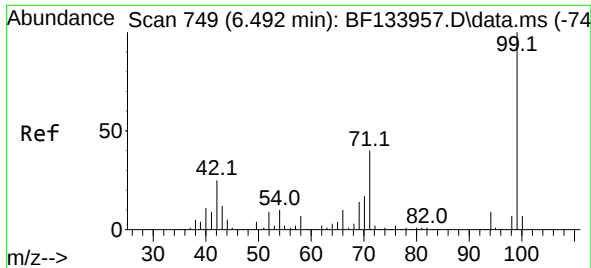


#5
2-Fluorophenol
Concen: 101.974 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53



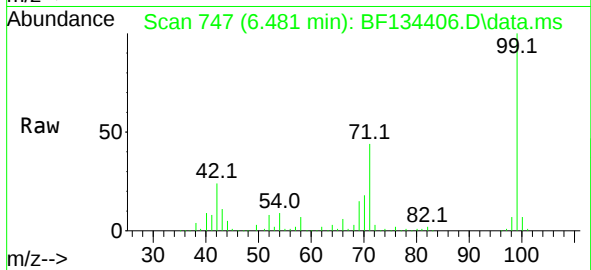
Tgt Ion:112 Resp: 412105
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 33.9 28.6 42.8





#7
Phenol-d6
Concen: 97.577 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

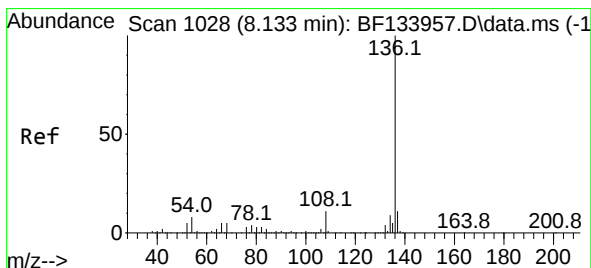
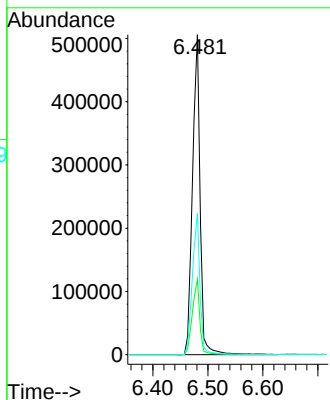
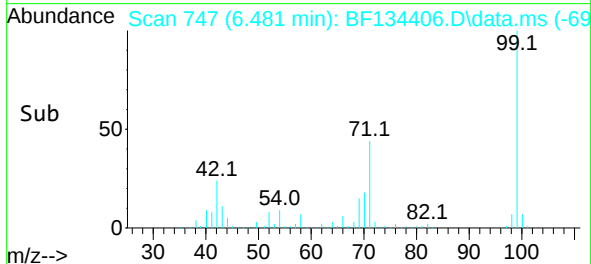
Instrument :
BNA_F
ClientSampleId :
TP8



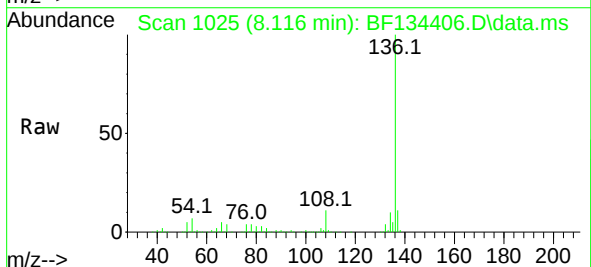
Tgt Ion: 99 Resp: 484954
Ion Ratio Lower Upper
99 100
42 23.6 19.8 29.6
71 44.2 31.9 47.9

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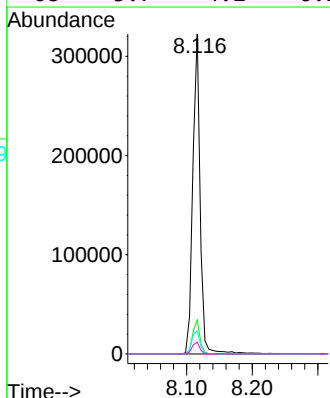
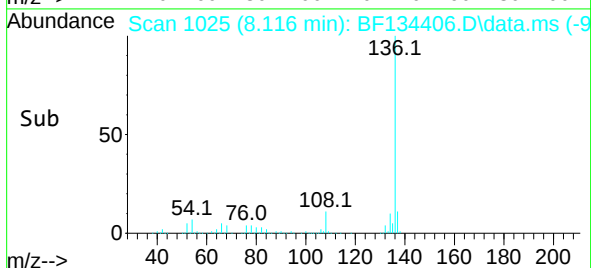
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

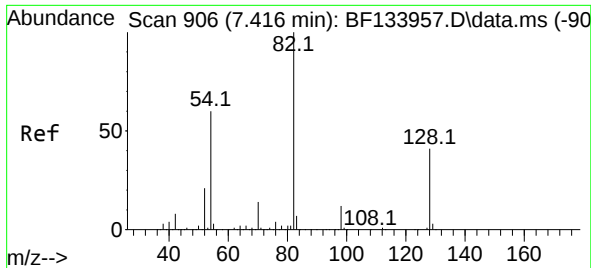


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53



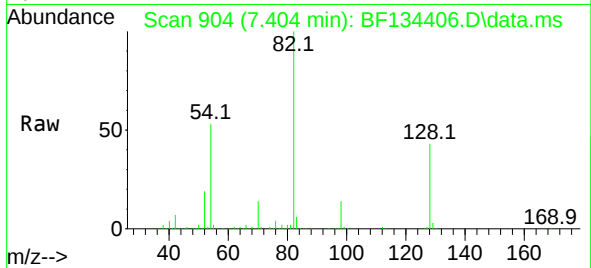
Tgt Ion:136 Resp: 252723
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.3 6.5 9.7
68 3.7 4.2 6.2#





#23
Nitrobenzene-d5
Concen: 70.334 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

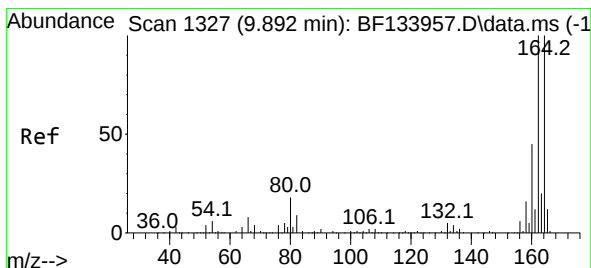
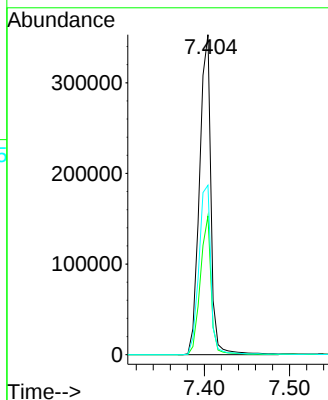
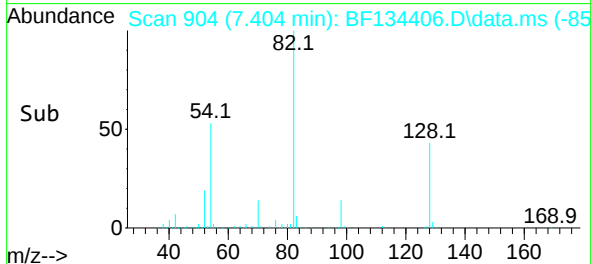
Instrument :
BNA_F
ClientSampleId :
TP8



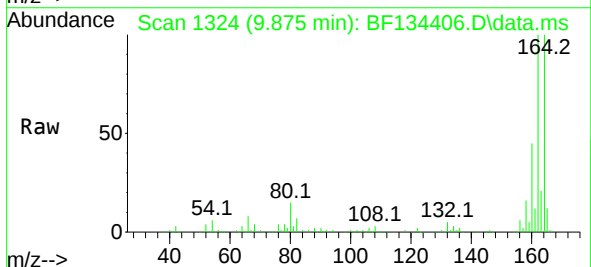
Tgt Ion: 82 Resp: 329744
Ion Ratio Lower Upper
82 100
128 43.4 32.5 48.7
54 52.9 48.2 72.2

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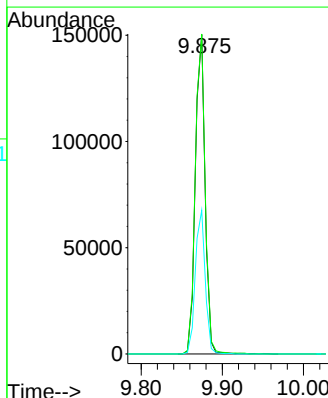
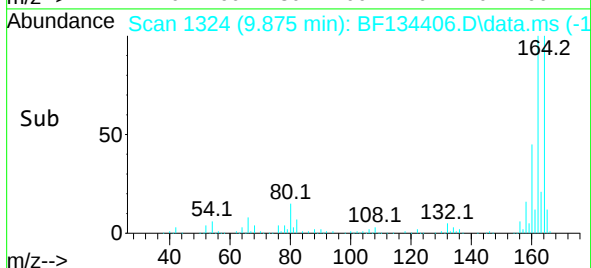
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

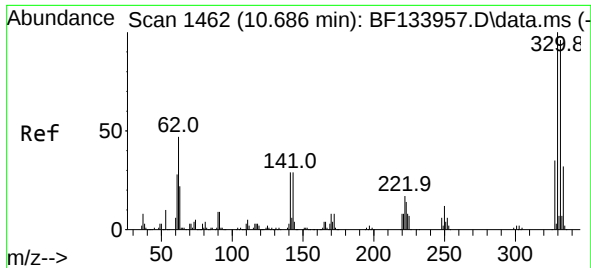


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53



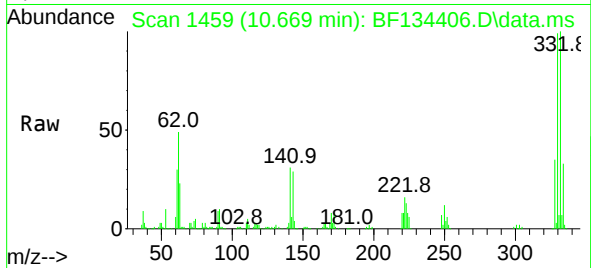
Tgt Ion:164 Resp: 125975
Ion Ratio Lower Upper
164 100
162 100.2 80.0 120.0
160 45.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 103.231 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

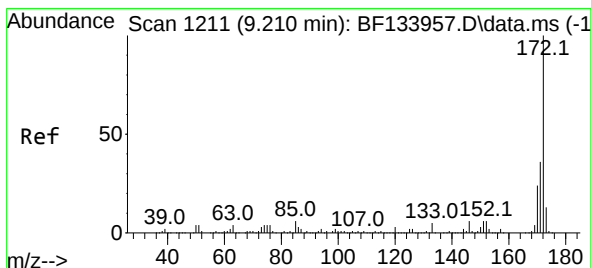
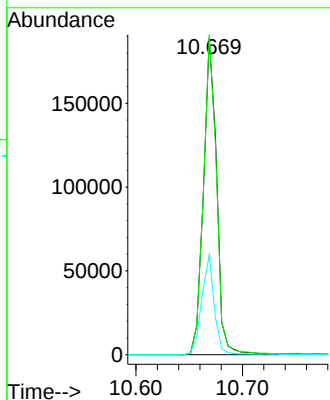
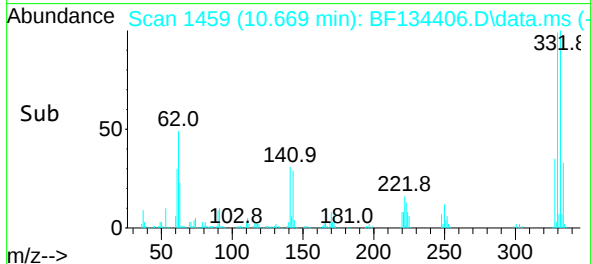
Instrument :
BNA_F
ClientSampleId :
TP8



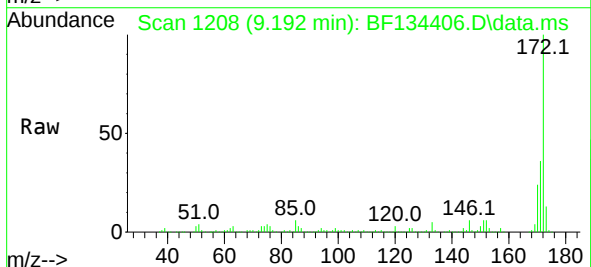
Tgt Ion:330 Resp: 16305
Ion Ratio Lower Upper
330 100
332 100.0 77.0 115.6
141 30.1 26.3 39.5

Manual Integrations
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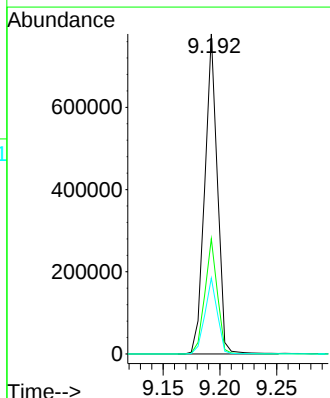
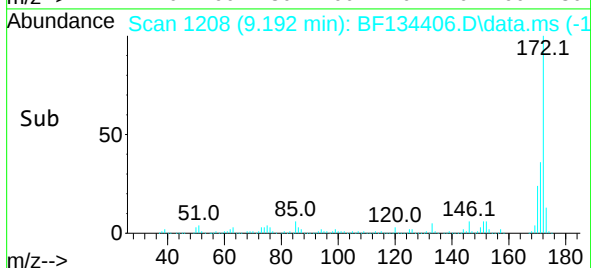
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#45
2-Fluorobiphenyl
Concen: 69.374 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53



Tgt Ion:172 Resp: 601101
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.7 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134406.D

Acq: 21 Jul 2023 17:53

Instrument :

BNA_F

ClientSampleId :

TP8

Tgt Ion:188 Resp: 229600

Ion Ratio Lower Upper

188 100

94 6.7 6.4 9.6

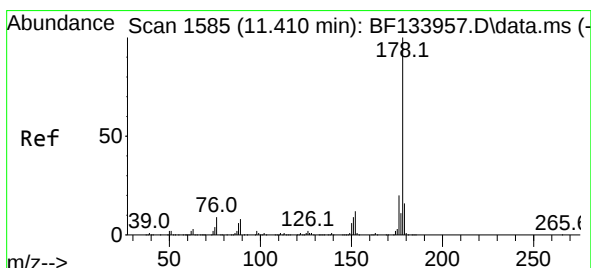
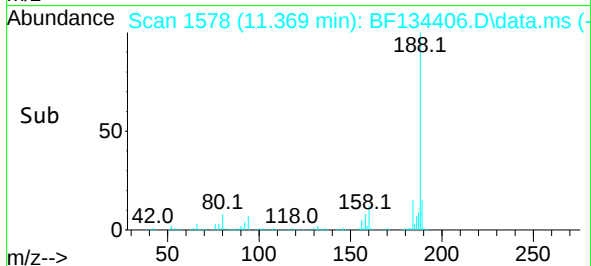
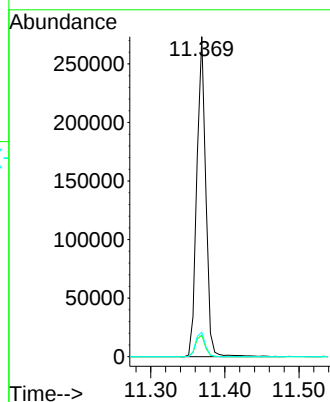
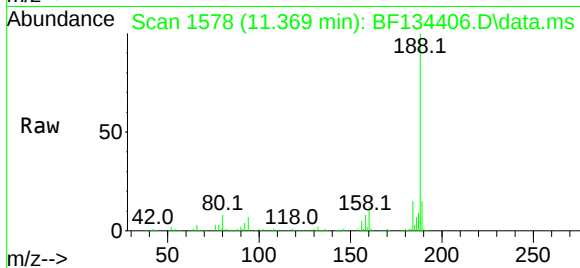
80 7.6 7.3 10.9

Manual Integrations

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#71

Phenanthrene

Concen: 7.527 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF134406.D

Acq: 21 Jul 2023 17:53

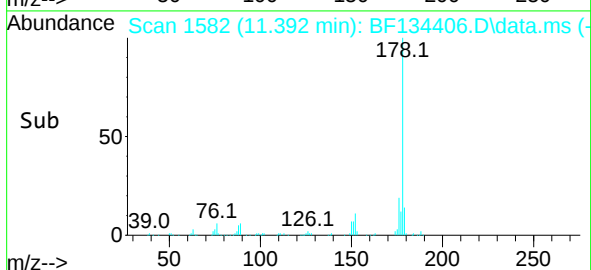
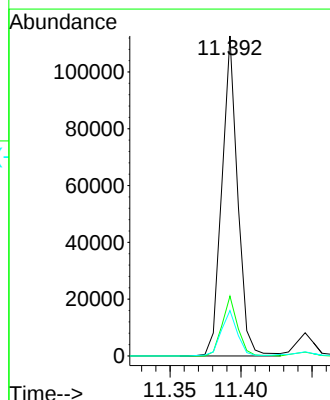
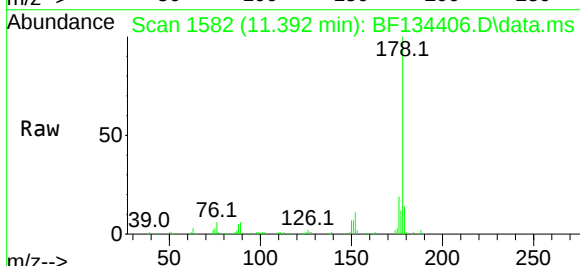
Tgt Ion:178 Resp: 86997

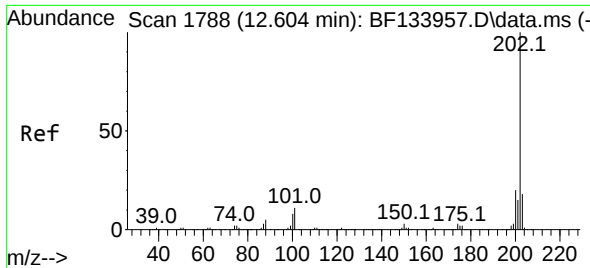
Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

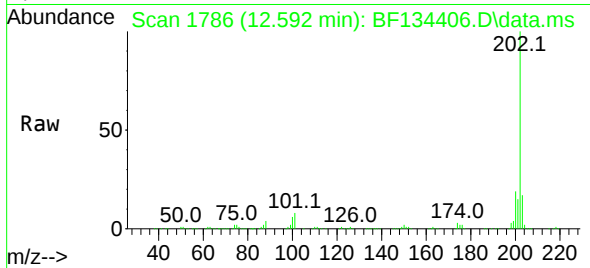
179 14.2 12.4 18.6





#75
Fluoranthene
Concen: 15.569 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

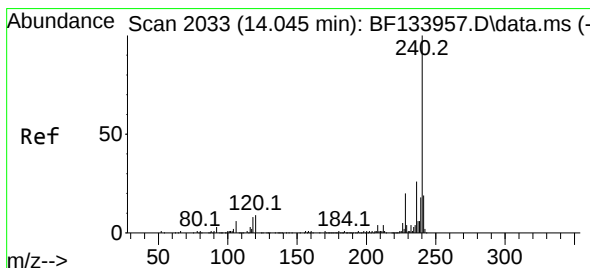
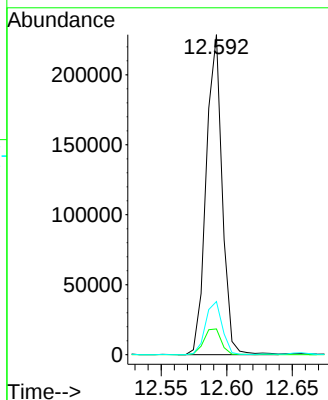
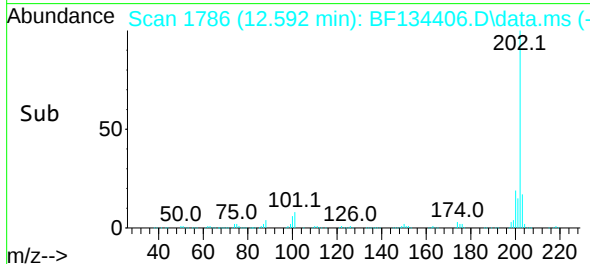
Instrument :
BNA_F
ClientSampleId :
TP8



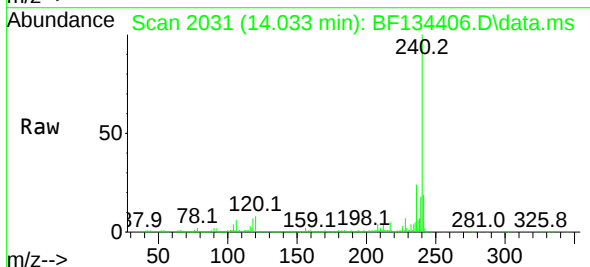
Tgt Ion:202 Resp: 19454
Ion Ratio Lower Upper
202 100
101 8.1 0.0 31.0
203 16.6 0.0 37.6

Manual Integrations
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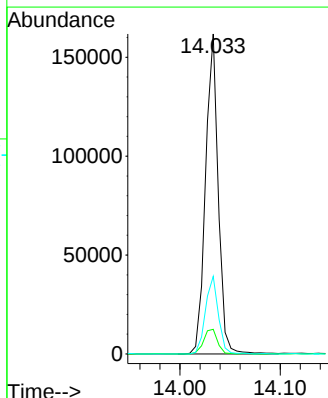
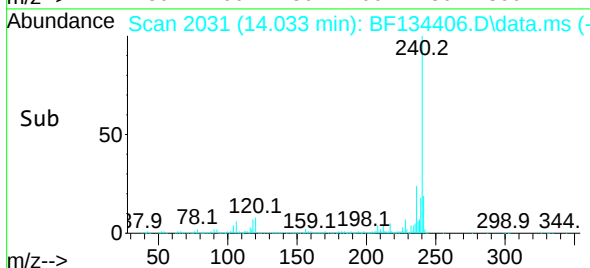
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

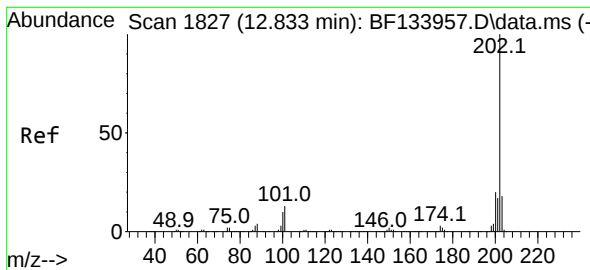


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53



Tgt Ion:240 Resp: 143010
Ion Ratio Lower Upper
240 100
120 7.7 7.4 11.0
236 24.2 21.0 31.6





#78

Pyrene

Concen: 11.392 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134406.D

Acq: 21 Jul 2023 17:53

Instrument :

BNA_F

ClientSampleId :

TP8

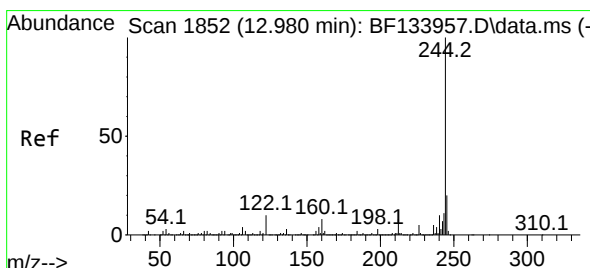
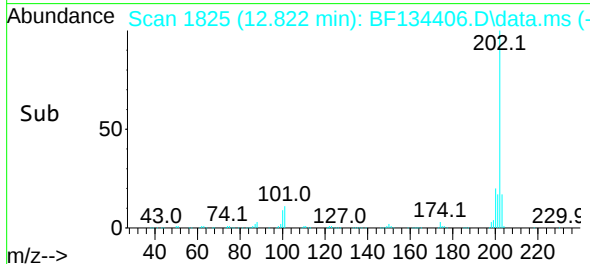
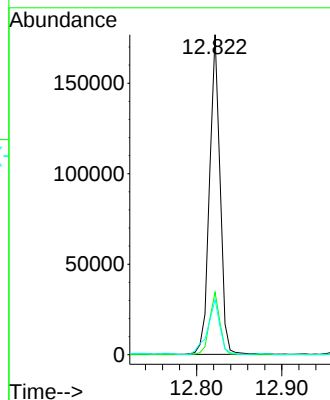
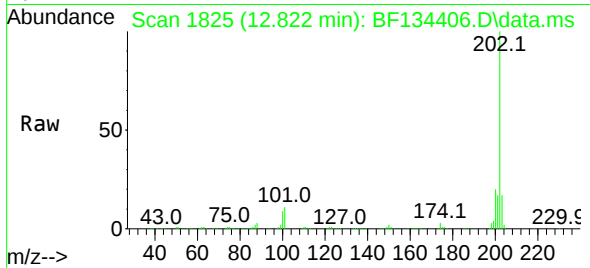
Tgt Ion:202 Resp: 151618
 Ion Ratio Lower Upper
 202 100
 200 19.5 16.1 24.1
 203 17.2 14.3 21.5

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#79

Terphenyl-d14

Concen: 65.478 ng

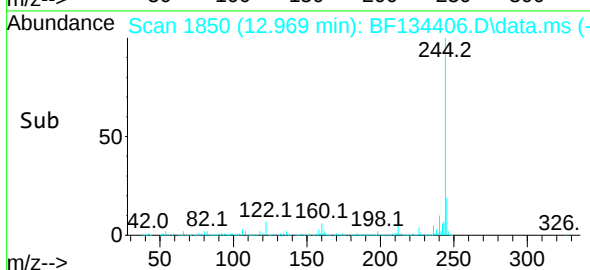
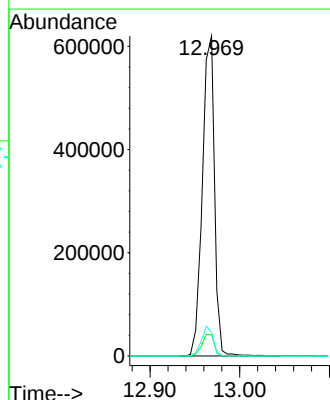
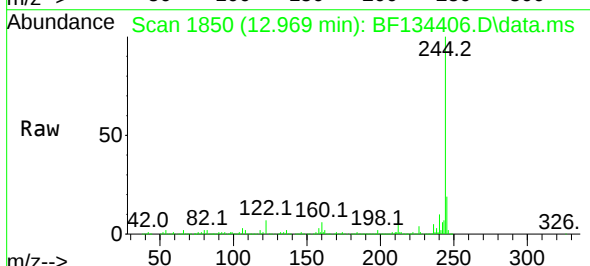
RT: 12.969 min Scan# 1850

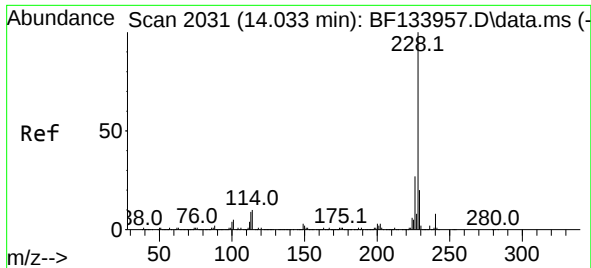
Delta R.T. -0.006 min

Lab File: BF134406.D

Acq: 21 Jul 2023 17:53

Tgt Ion:244 Resp: 581824
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 7.4 8.3 12.5





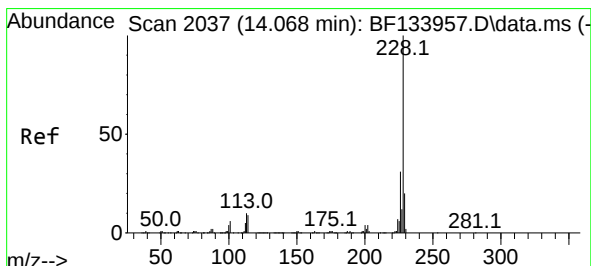
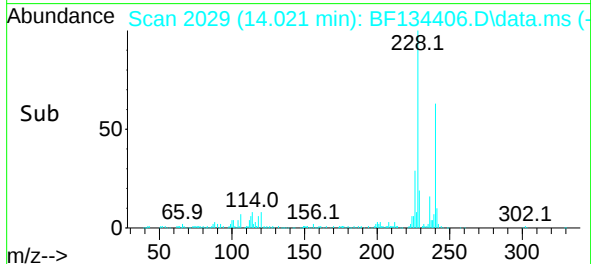
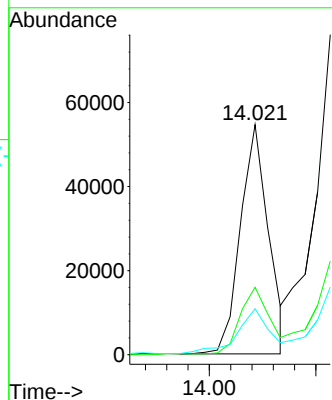
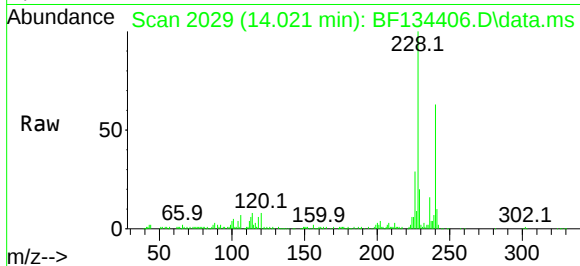
#81
Benzo(a)anthracene
Concen: 5.051 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

Instrument :
BNA_F
ClientSampleId :
TP8

Tgt Ion:228 Resp: 5009
Ion Ratio Lower Upper
228 100
226 29.2 22.0 33.0
229 20.0 16.3 24.5

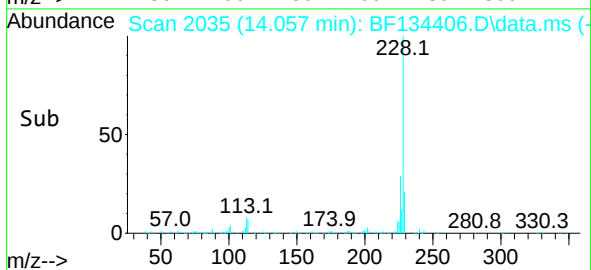
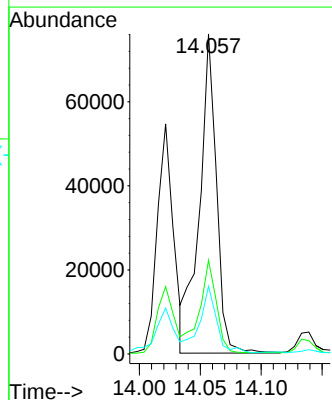
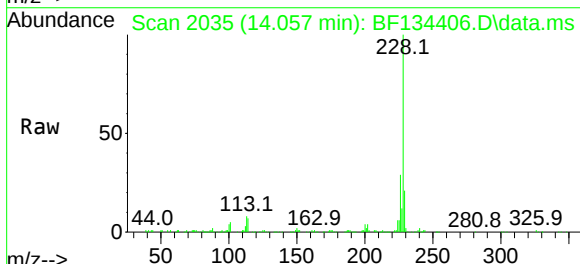
Manual Integrations
APPROVED

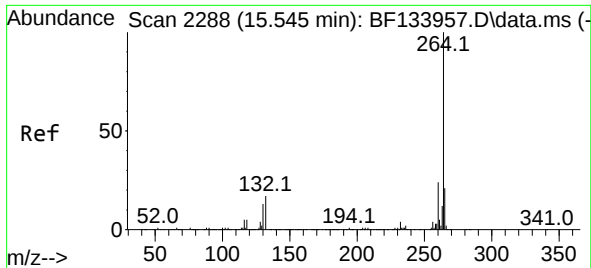
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#83
Chrysene
Concen: 7.705 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

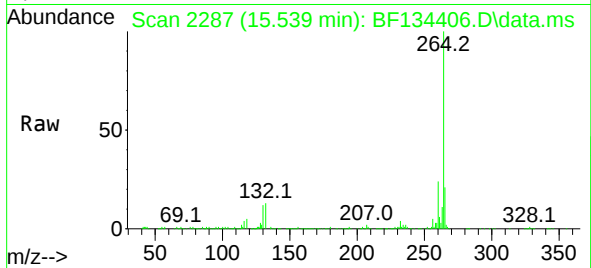
Tgt Ion:228 Resp: 74014
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 21.1 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

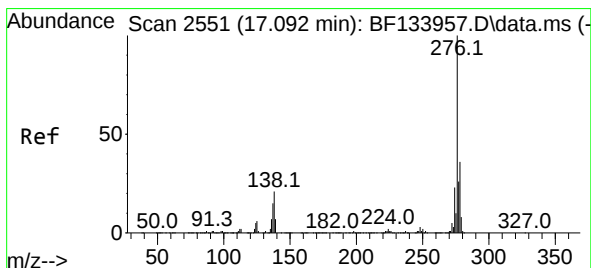
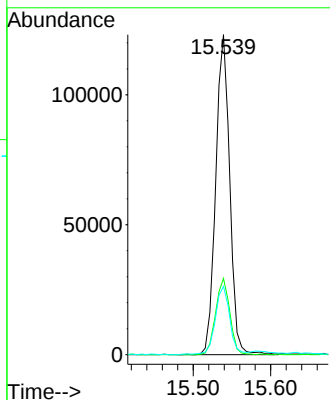
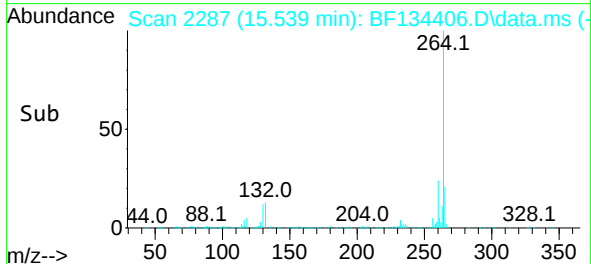
Instrument :
BNA_F
ClientSampleId :
TP8



Tgt Ion:264 Resp: 155284
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 21.3 16.6 25.0

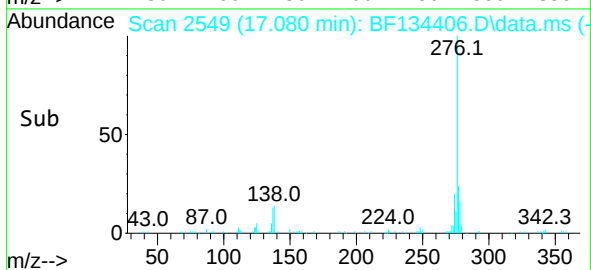
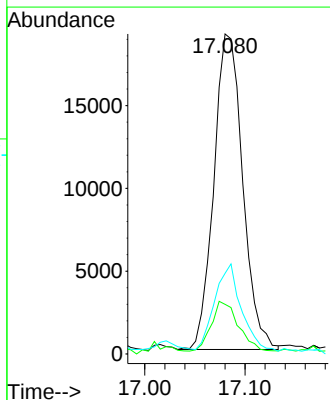
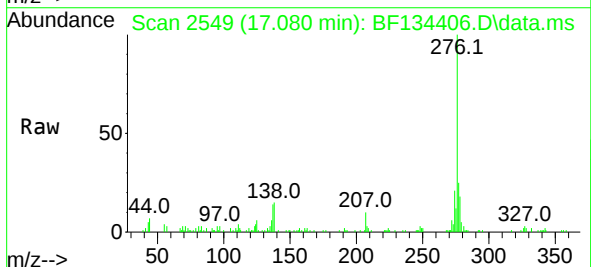
Manual Integrations
APPROVED

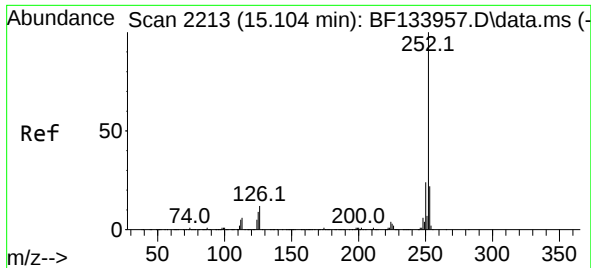
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.538 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.017 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

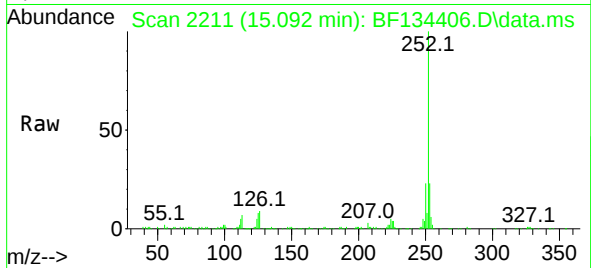
Tgt Ion:276 Resp: 38121
Ion Ratio Lower Upper
276 100
138 15.8 18.7 28.1#
277 26.1 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 10.892 ng m
RT: 15.092 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

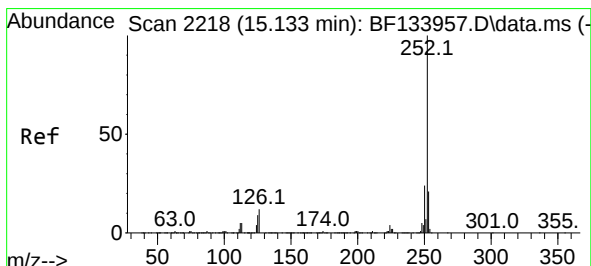
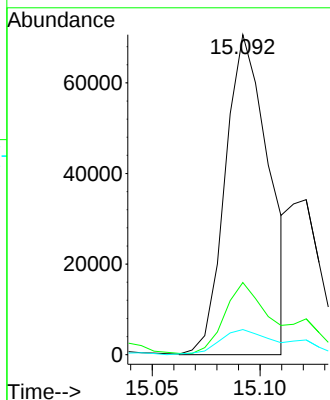
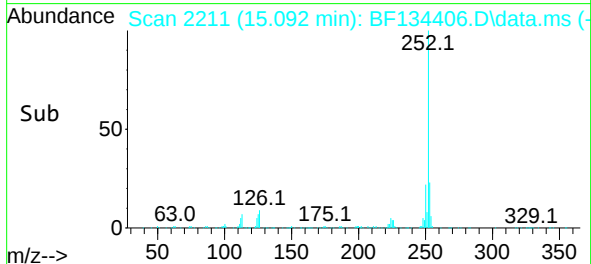
Instrument :
BNA_F
ClientSampleId :
TP8



Tgt Ion:252 Resp: 99452
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 7.9 7.1 10.7

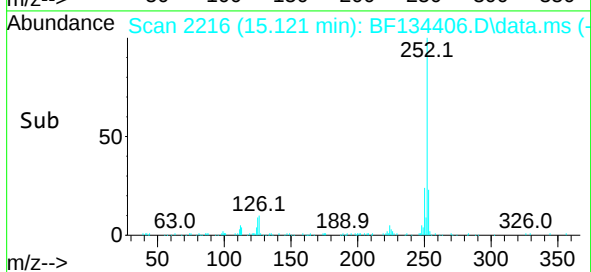
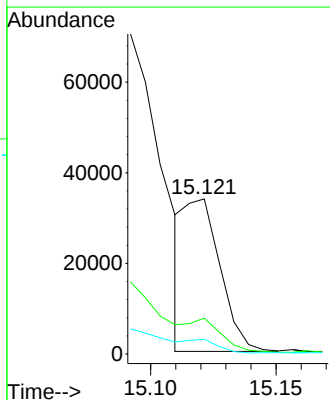
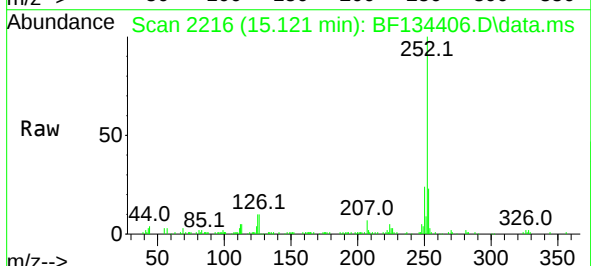
Manual Integrations
APPROVED

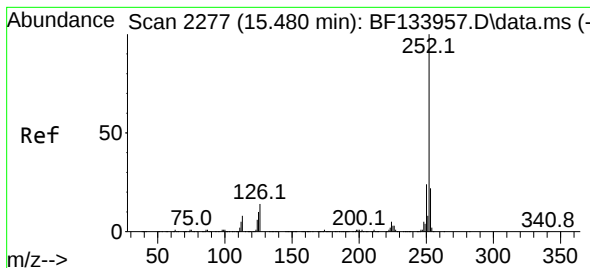
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#89
Benzo(k)fluoranthene
Concen: 3.596 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134406.D
Acq: 21 Jul 2023 17:53

Tgt Ion:252 Resp: 33433
Ion Ratio Lower Upper
252 100
253 23.1 16.9 25.3
125 9.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 6.738 ng m

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134406.D

Acq: 21 Jul 2023 17:53

Instrument :

BNA_F

ClientSampleId :

TP8

Tgt Ion:252 Resp: 59490

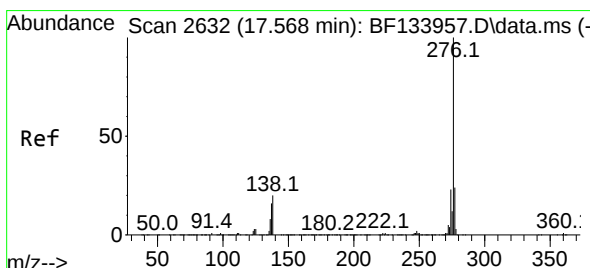
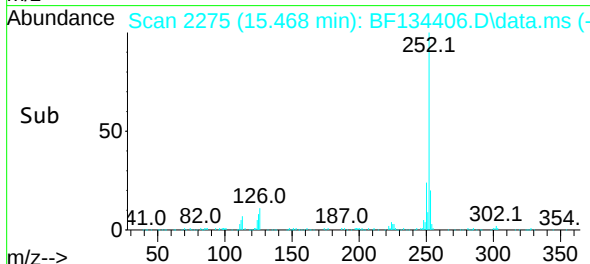
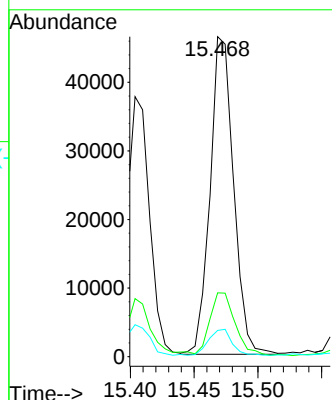
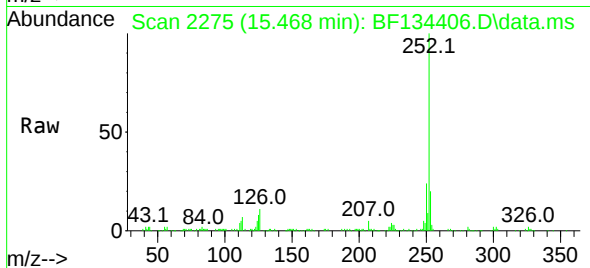
Ion	Ratio	Lower	Upper
252	100		
253	19.9	17.4	26.0
125	8.2	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#92

Benzo(g,h,i)perylene

Concen: 3.908 ng

RT: 17.557 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF134406.D

Acq: 21 Jul 2023 17:53

Tgt Ion:276 Resp: 35469

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	20.8	16.2	24.2

