

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138410.D
 Acq On : 01 Jul 2024 18:36
 Operator : CG\JU
 Sample : P3077-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-S-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024

Quant Time: Jul 02 01:15:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	200972	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	773826	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	354402	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	459742	20.000	ng	0.00
76) Chrysene-d12	14.027	240	362967	20.000	ng	0.00
86) Perylene-d12	15.492	264	298110	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	871901	71.929	ng	0.00
7) Phenol-d6	6.510	99	1136236	69.583	ng	0.00
23) Nitrobenzene-d5	7.434	82	710057	47.667	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	173331	59.862	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	991591	44.528	ng	0.00
79) Terphenyl-d14	12.974	244	724209	27.343	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	66120	2.946	ng	97
75) Fluoranthene	12.598	202	114022	5.666	ng	96
78) Pyrene	12.827	202	108669	2.801	ng	99
81) Benzo(a)anthracene	14.016	228	54900	2.350	ng	95
83) Chrysene	14.051	228	56604	2.490	ng	96
88) Benzo(b)fluoranthene	15.063	252	54306m	3.320	ng	
90) Benzo(a)pyrene	15.427	252	35894	2.504	ng	# 94

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

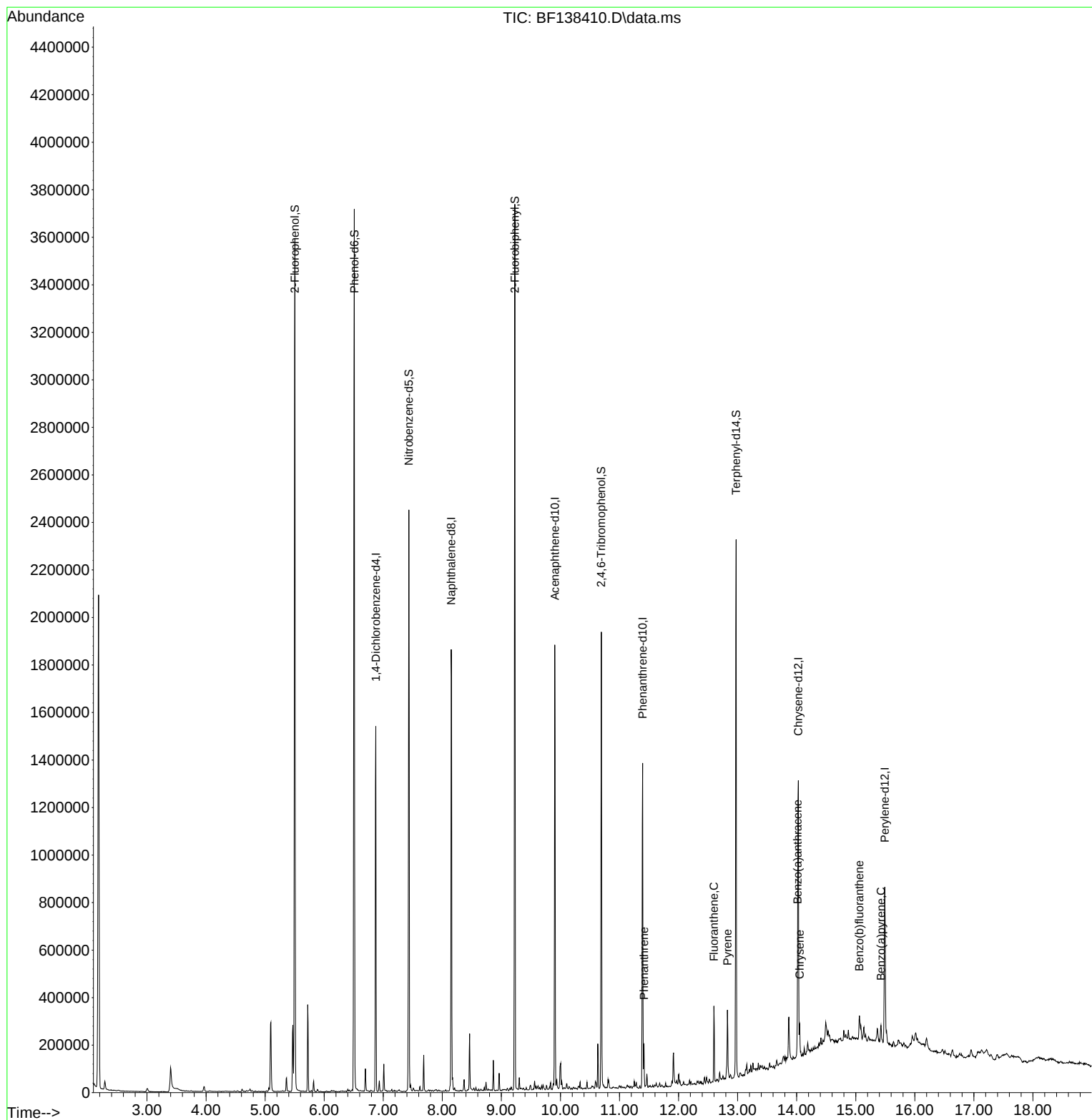
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
Data File : BF138410.D
Acq On : 01 Jul 2024 18:36
Operator : CG\JU
Sample : P3077-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

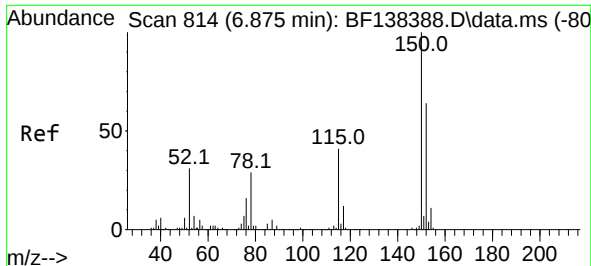
Instrument :
BNA_F
ClientSampleId :
1-S-1

Quant Time: Jul 02 01:15:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

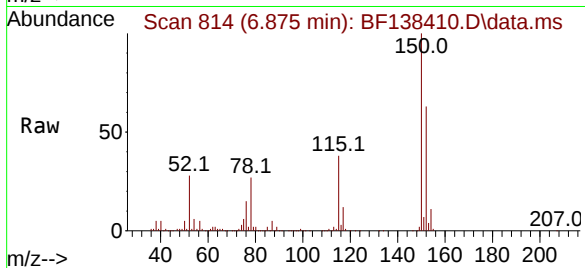
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

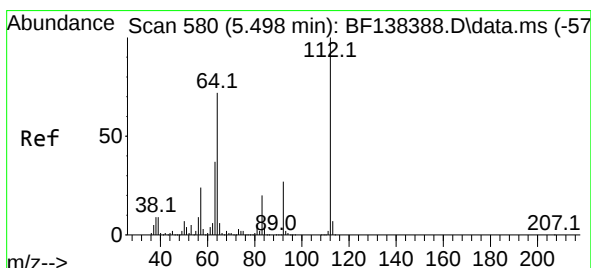
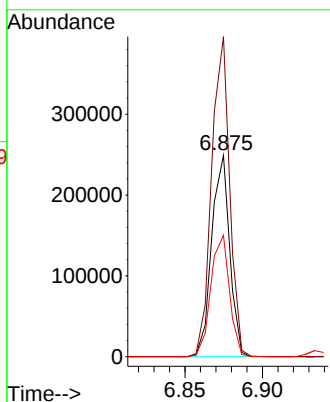
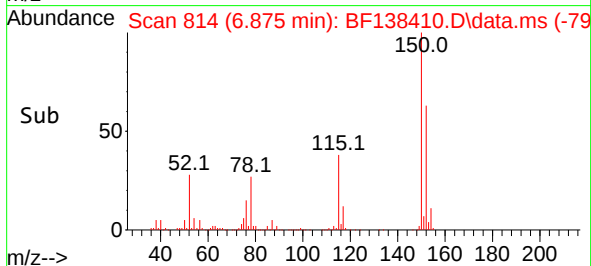
Instrument :
BNA_F
ClientSampleId :
1-S-1



Tgt Ion:152 Resp: 200972
Ion Ratio Lower Upper
152 100
150 158.9 124.9 187.3
115 60.3 50.8 76.2

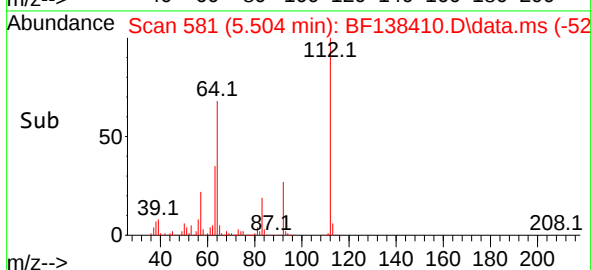
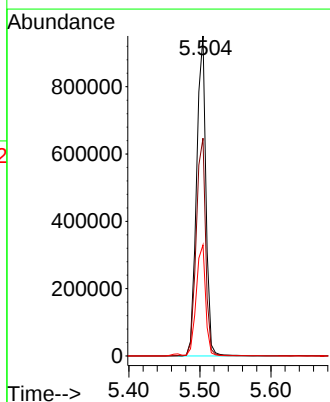
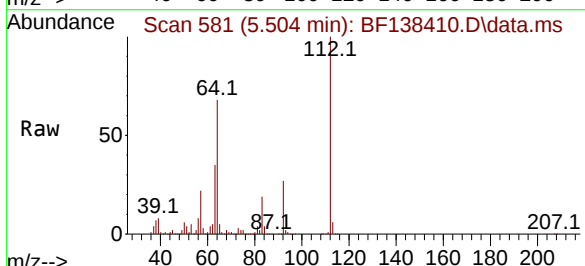
Manual Integrations
APPROVED

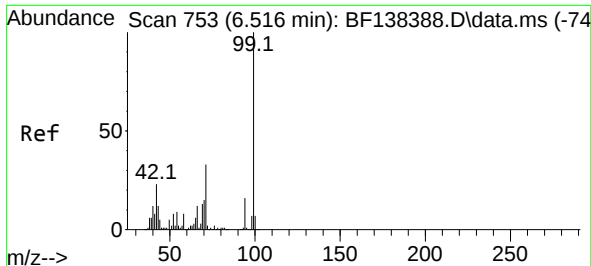
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#5
2-Fluorophenol
Concen: 71.929 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

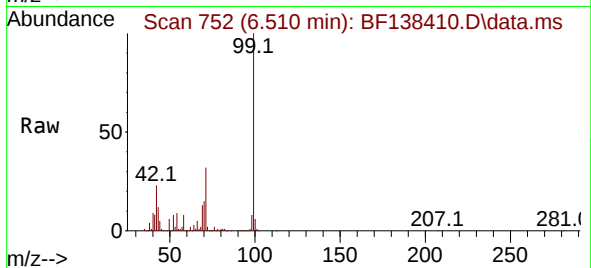
Tgt Ion:112 Resp: 871901
Ion Ratio Lower Upper
112 100
64 68.0 57.2 85.8
63 34.7 29.4 44.0





#7
Phenol-d6
Concen: 69.583 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

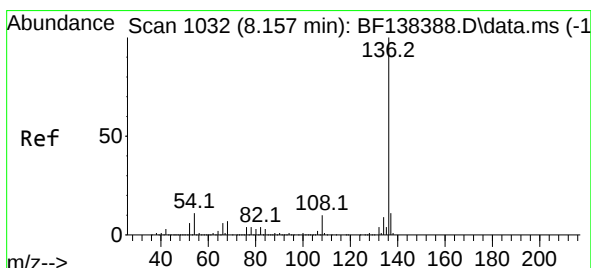
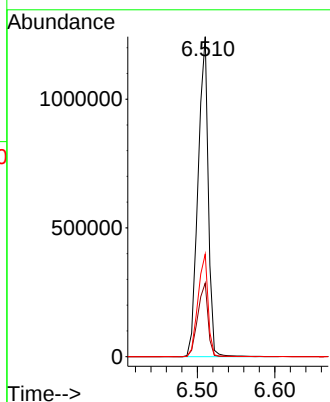
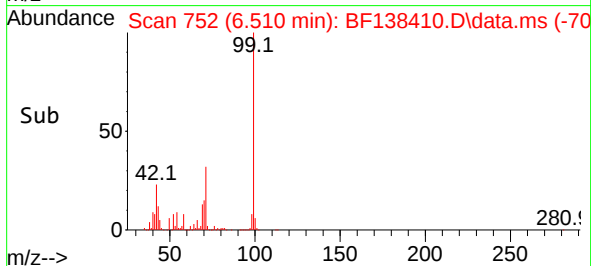
Instrument :
BNA_F
ClientSampleId :
1-S-1



Tgt Ion: 99 Resp: 1136230
Ion Ratio Lower Upper
99 100
42 23.0 18.5 27.7
71 32.0 26.1 39.1

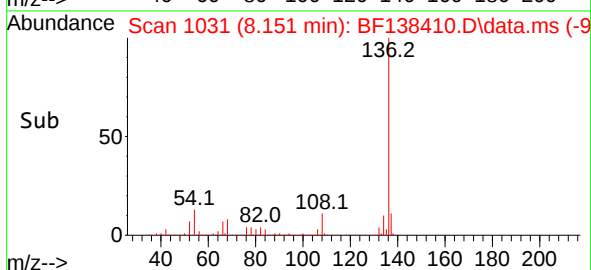
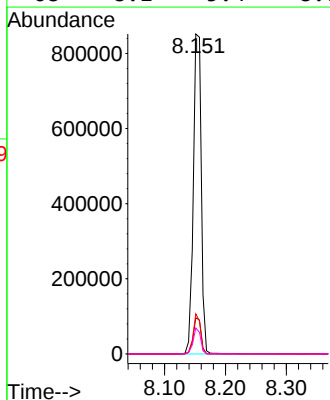
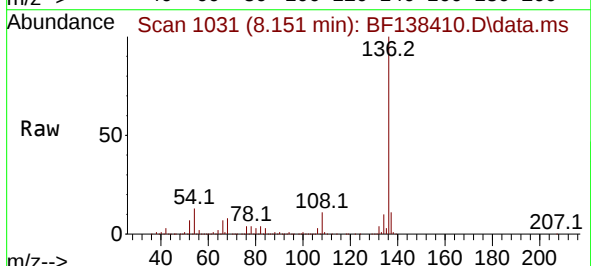
Manual Integrations
APPROVED

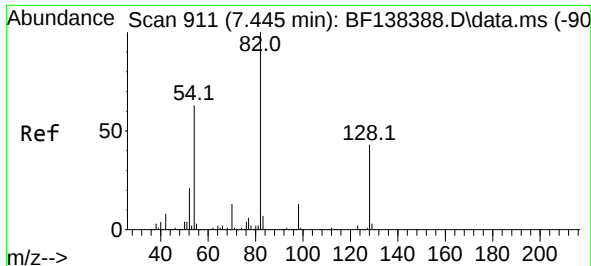
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Tgt Ion:136 Resp: 773826
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 12.6 9.0 13.4
68 8.1 5.4 8.0#





#23

Nitrobenzene-d5

Concen: 47.667 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

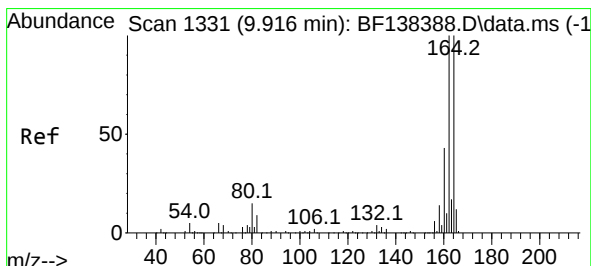
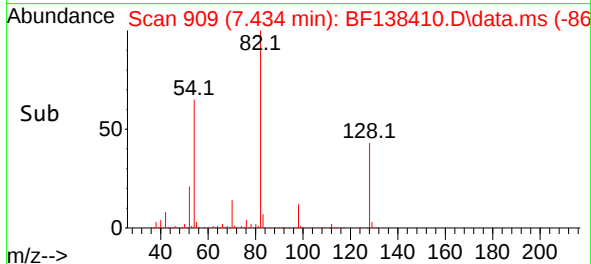
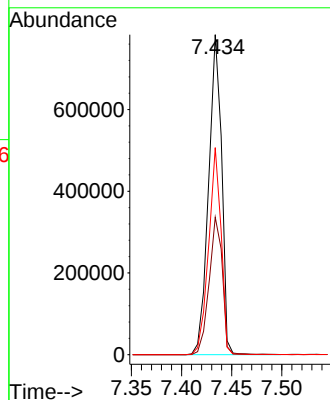
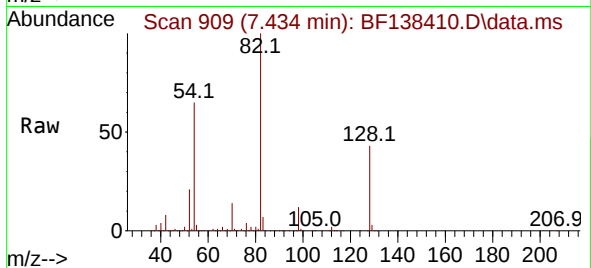
1-S-1

Tgt Ion: 82 Resp: 71005
 Ion Ratio Lower Upper
 82 100
 128 42.9 34.6 52.0
 54 64.7 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
 Supervised By :mohammad ahmed 07/03/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

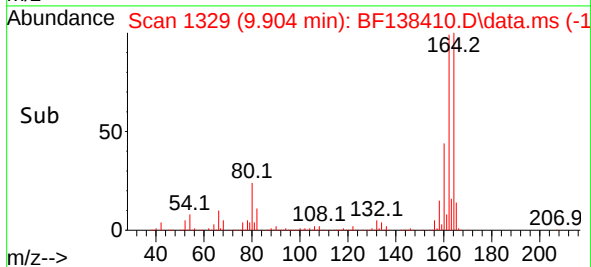
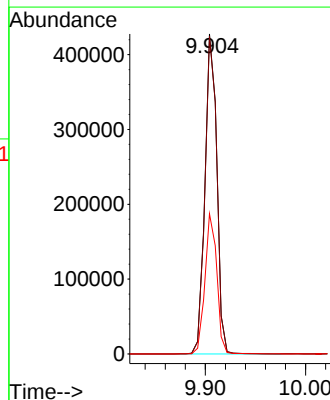
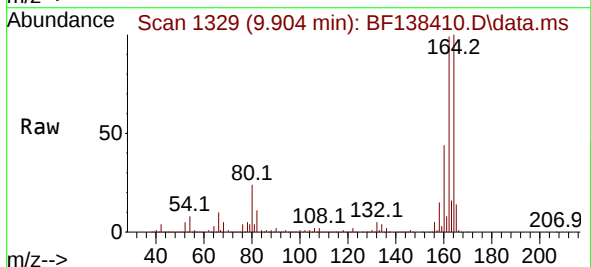
RT: 9.904 min Scan# 1329

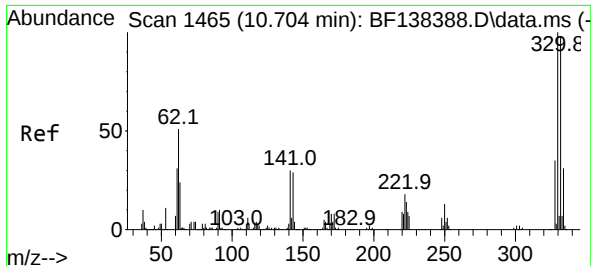
Delta R.T. -0.012 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

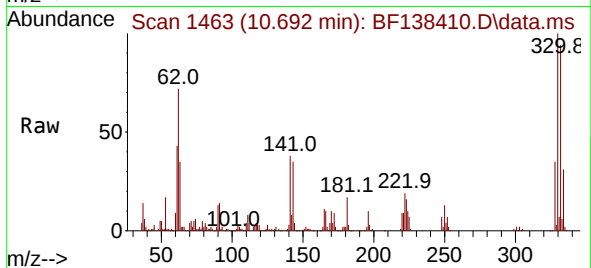
Tgt Ion:164 Resp: 354402
 Ion Ratio Lower Upper
 164 100
 162 99.3 80.1 120.1
 160 43.8 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 59.862 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

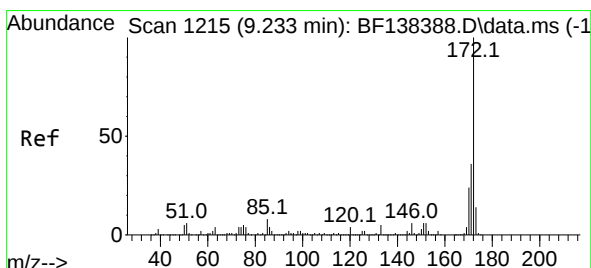
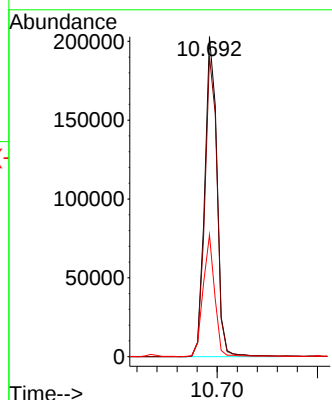
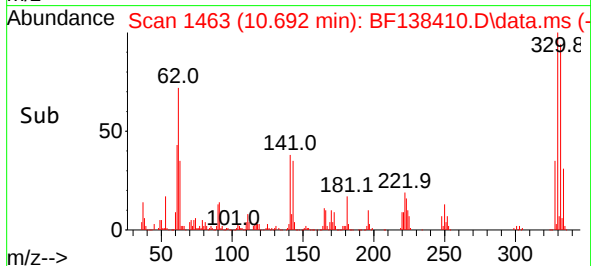
Instrument :
BNA_F
ClientSampleId :
1-S-1



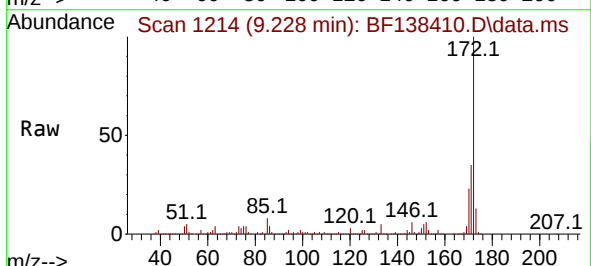
Tgt Ion: 330 Resp: 17333
Ion Ratio Lower Upper
330 100
332 94.3 77.0 115.6
141 36.3 28.1 42.1

Manual Integrations
APPROVED

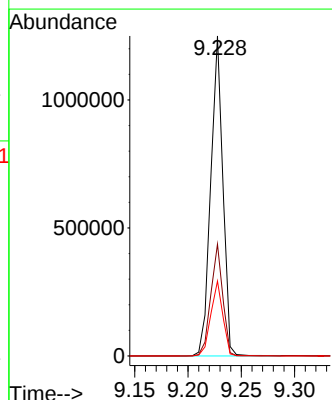
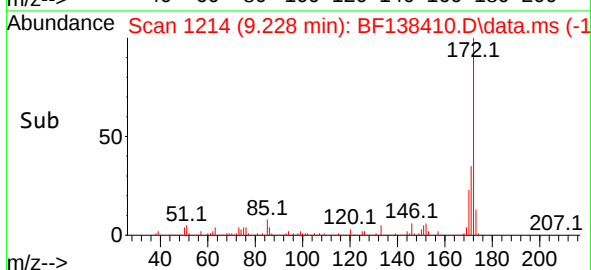
Reviewed By : Jagrut Upadhyay 07/02/2024
Supervised By : mohammad ahmed 07/03/2024

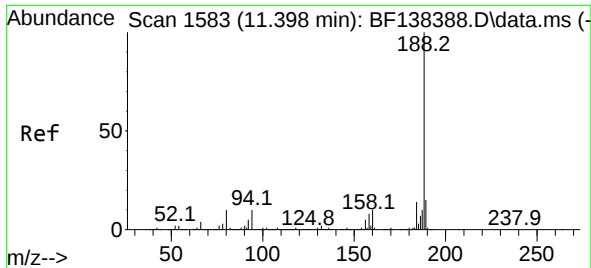


#45
2-Fluorobiphenyl
Concen: 44.528 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36



Tgt Ion: 172 Resp: 991591
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.4
170 23.4 19.0 28.6





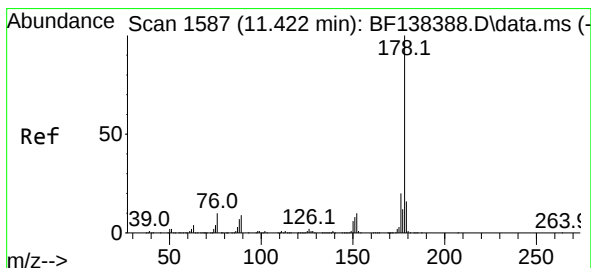
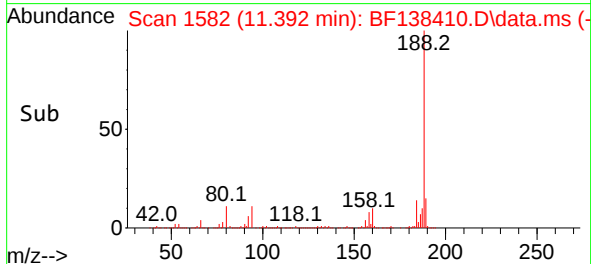
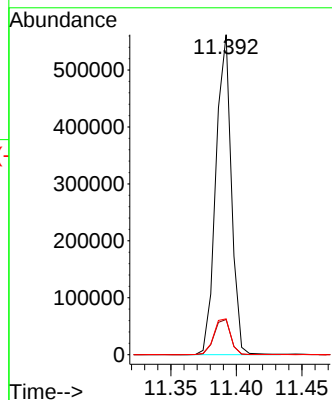
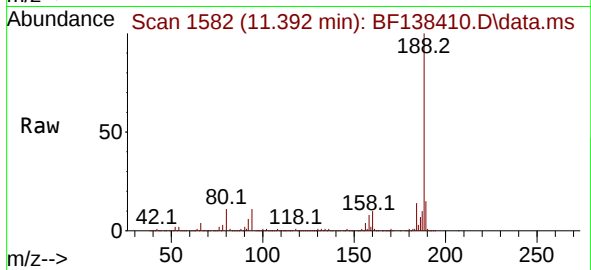
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Instrument :
BNA_F
ClientSampleId :
1-S-1

Tgt Ion:188 Resp: 45974
Ion Ratio Lower Upper
188 100
94 11.0 8.0 12.0
80 11.2 8.2 12.4

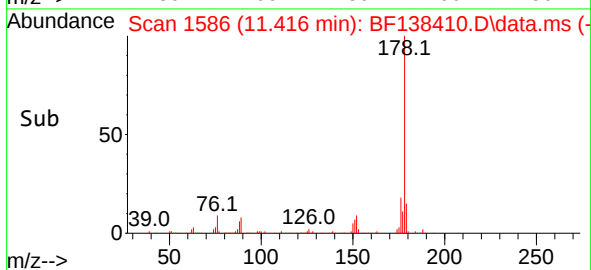
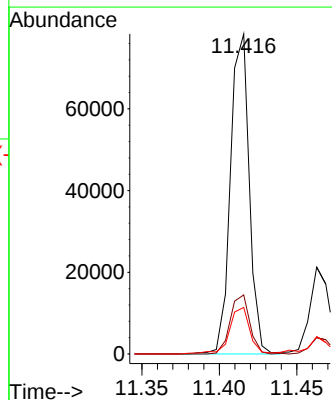
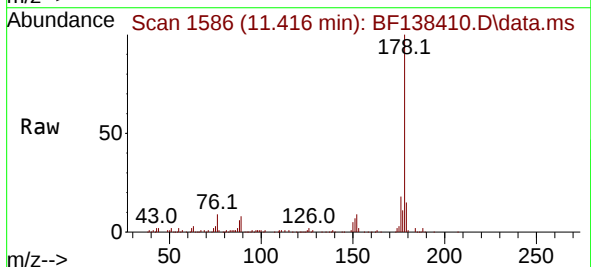
Manual Integrations
APPROVED

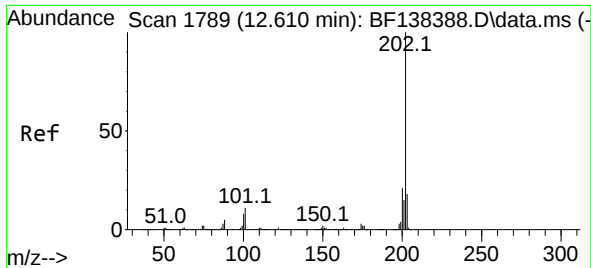
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#71
Phenanthrene
Concen: 2.946 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

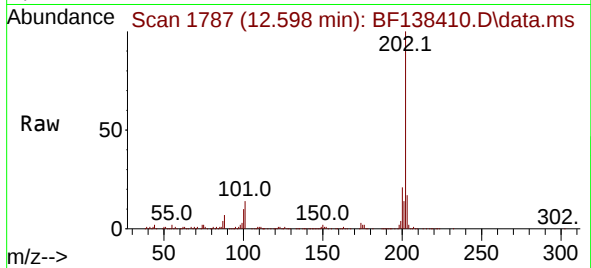
Tgt Ion:178 Resp: 66120
Ion Ratio Lower Upper
178 100
176 18.4 16.1 24.1
179 14.6 12.6 18.8





#75
Fluoranthene
Concen: 5.666 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

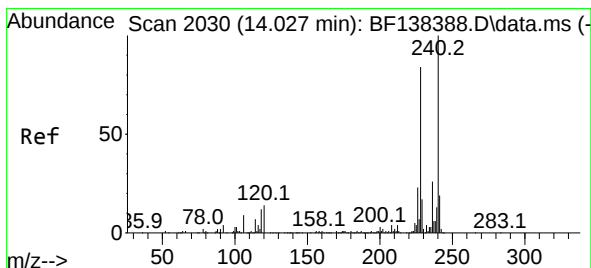
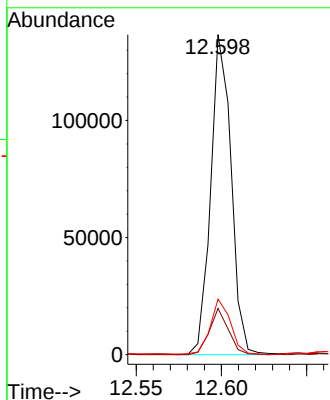
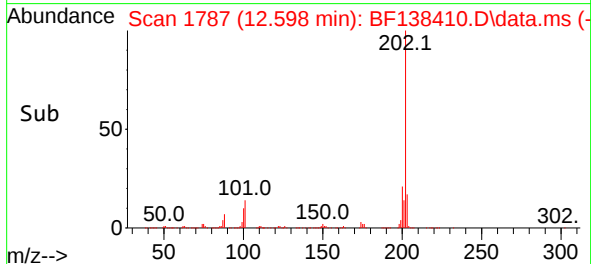
Instrument :
BNA_F
ClientSampleId :
1-S-1



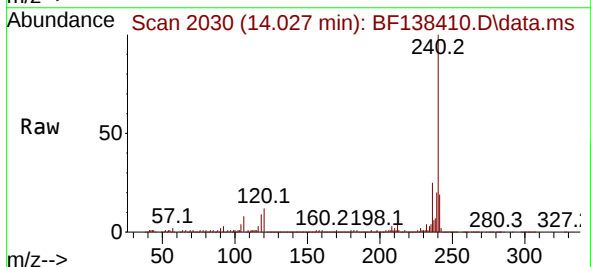
Tgt Ion:202 Resp: 11402
Ion Ratio Lower Upper
202 100
101 14.5 0.0 30.5
203 17.3 0.0 37.6

Manual Integrations
APPROVED

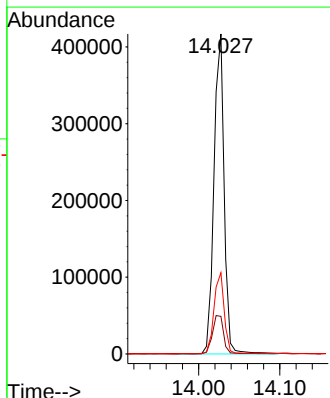
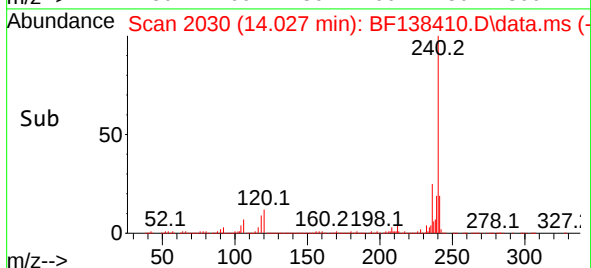
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024

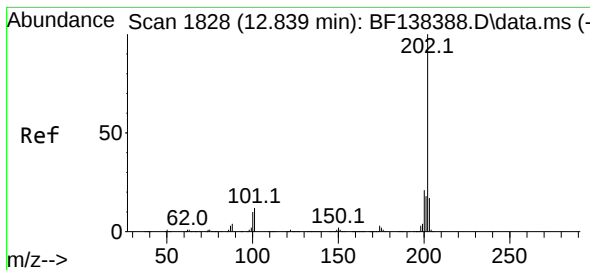


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36



Tgt Ion:240 Resp: 362967
Ion Ratio Lower Upper
240 100
120 11.8 10.9 16.3
236 25.4 20.6 30.8





#78

Pyrene

Concen: 2.801 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

Tgt Ion:202 Resp: 108669

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

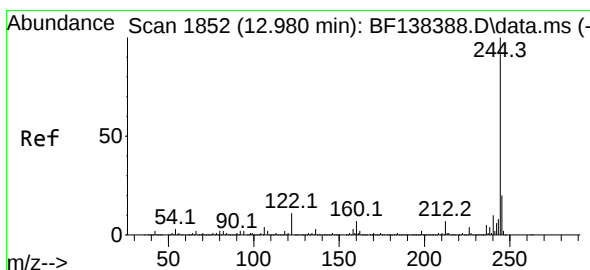
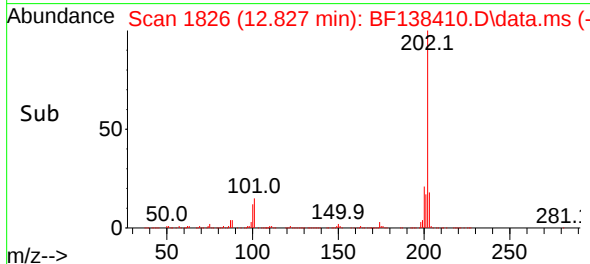
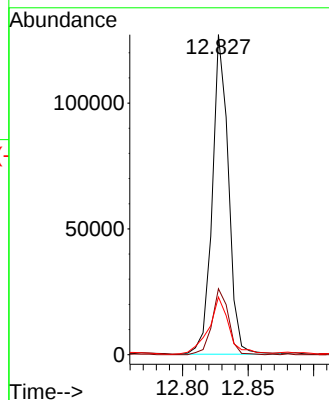
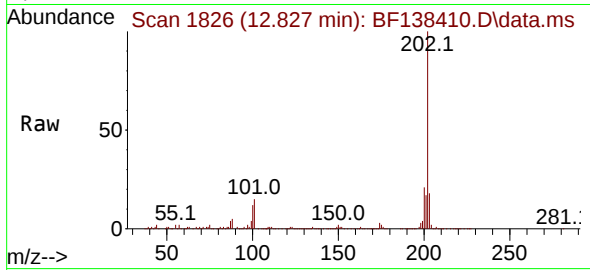
203 18.0 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024

Supervised By :mohammad ahmed 07/03/2024



#79

Terphenyl-d14

Concen: 27.343 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

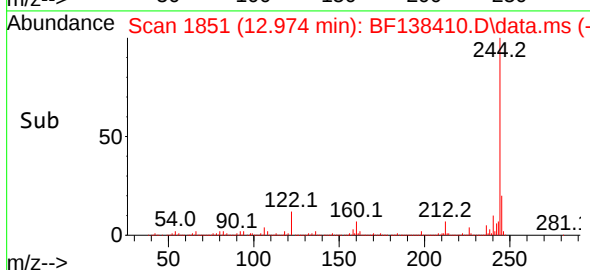
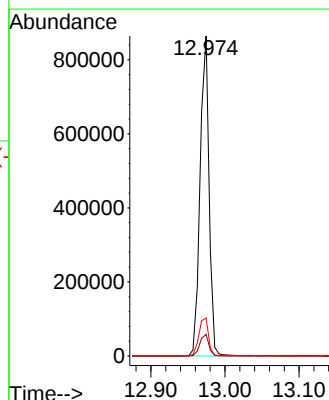
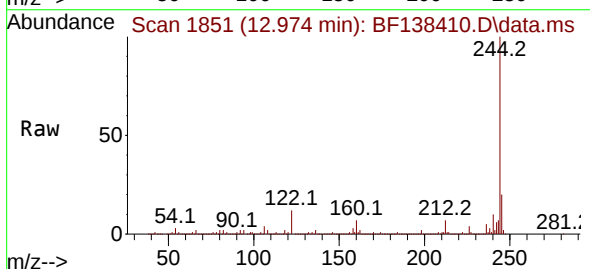
Tgt Ion:244 Resp: 724209

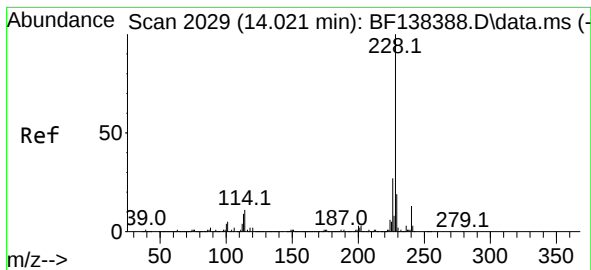
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.8 9.0 13.4





#81

Benzo(a)anthracene

Concen: 2.350 ng

RT: 14.016 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

Instrument :

BNA_F

ClientSampleId :

1-S-1

Tgt Ion:228 Resp: 54900

Ion Ratio Lower Upper

228 100

226 30.4 21.7 32.5

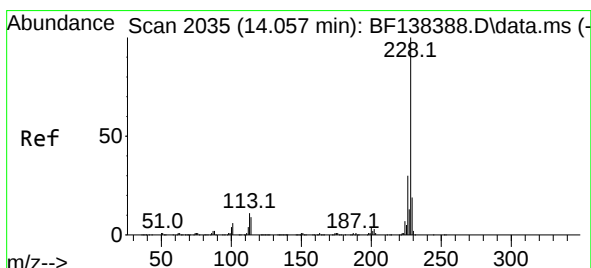
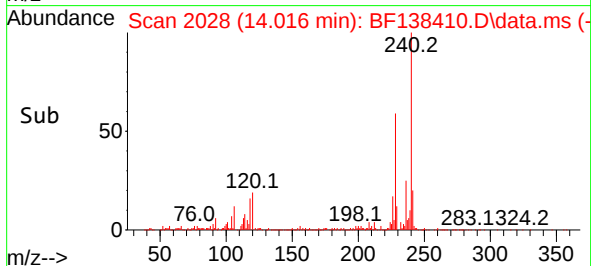
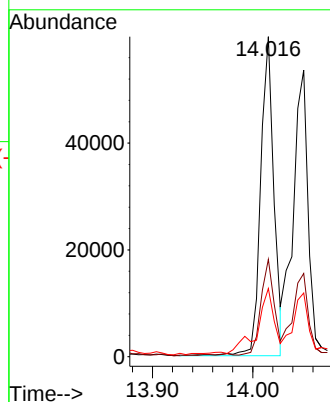
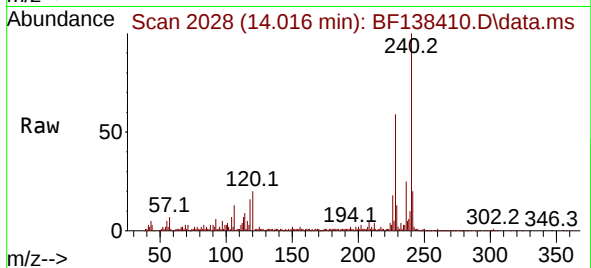
229 21.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024

Supervised By :mohammad ahmed 07/03/2024



#83

Chrysene

Concen: 2.490 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138410.D

Acq: 01 Jul 2024 18:36

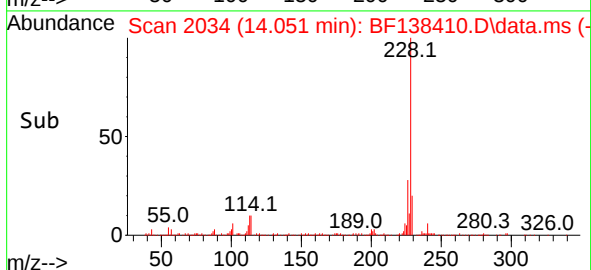
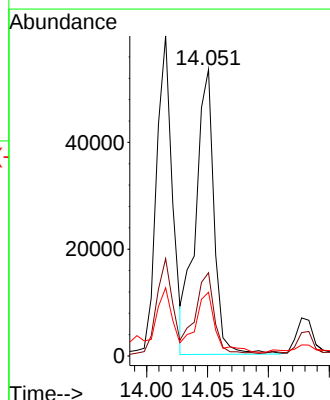
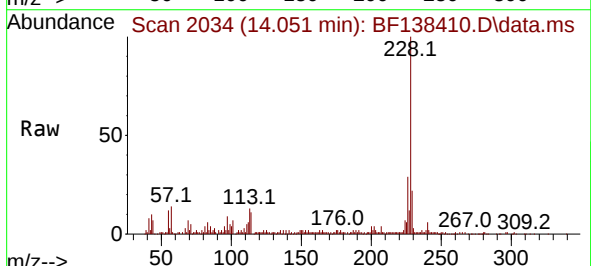
Tgt Ion:228 Resp: 56604

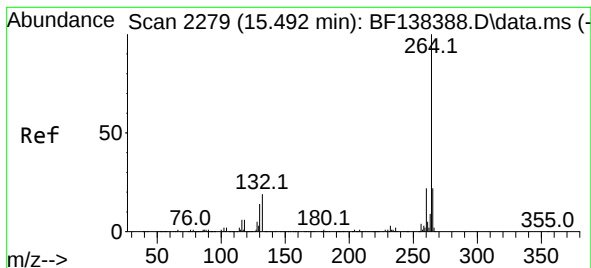
Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.6

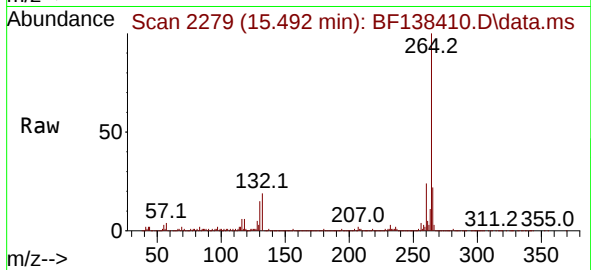
229 22.2 15.2 22.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

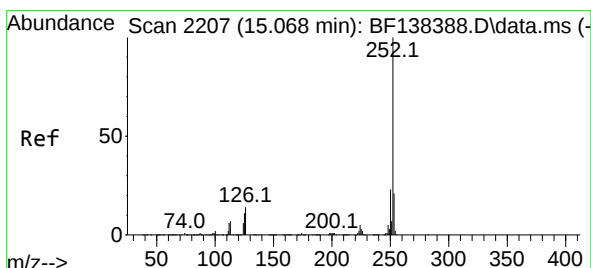
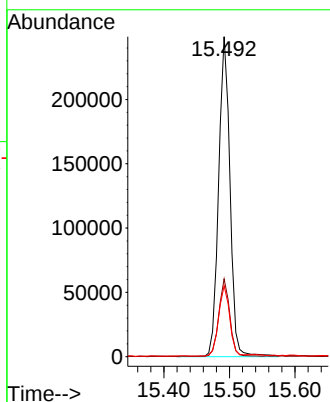
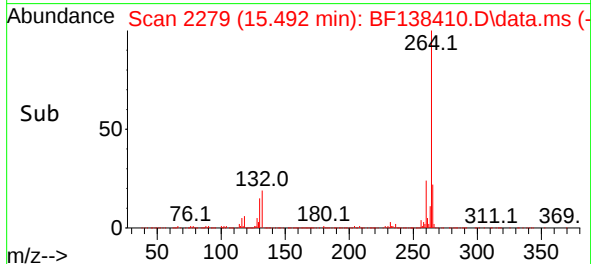
Instrument :
BNA_F
ClientSampleId :
1-S-1



Tgt Ion:264 Resp: 298110
Ion Ratio Lower Upper
264 100
260 24.3 17.8 26.6
265 22.2 17.5 26.3

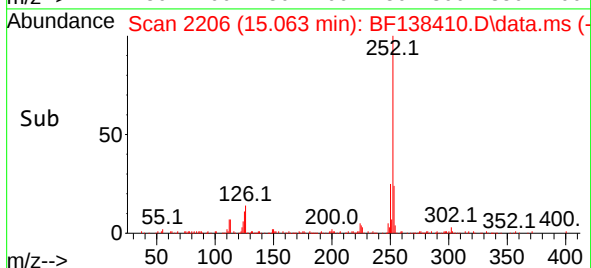
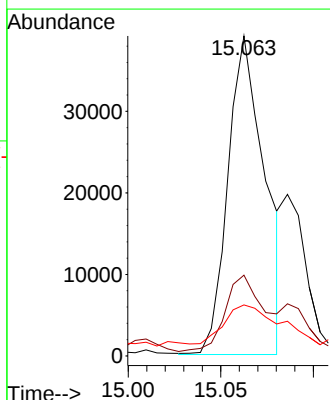
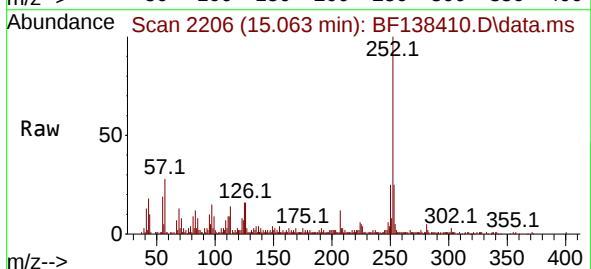
Manual Integrations
APPROVED

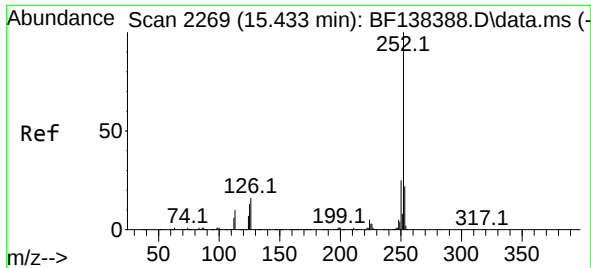
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#88
Benzo(b)fluoranthene
Concen: 3.320 ng m
RT: 15.063 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

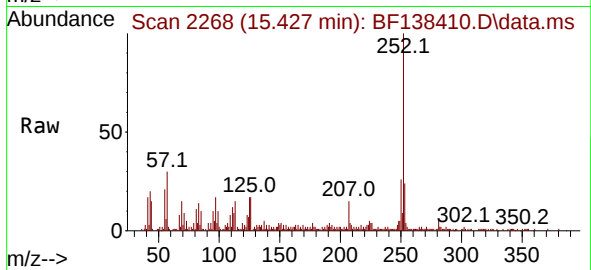
Tgt Ion:252 Resp: 54306
Ion Ratio Lower Upper
252 100
253 25.3 17.0 25.4
125 16.0 8.6 12.8#





#90
Benzo(a)pyrene
Concen: 2.504 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138410.D
Acq: 01 Jul 2024 18:36

Instrument :
BNA_F
ClientSampleId :
1-S-1



Tgt Ion:252 Resp: 35894
Ion Ratio Lower Upper
252 100
253 23.8 17.6 26.4
125 17.0 10.2 15.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024

