

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138412.D
 Acq On : 01 Jul 2024 19:35
 Operator : CG\JU
 Sample : P3077-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-W-1

Manual Integrations
 APPROVED

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

Quant Time: Jul 02 01:16:01 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	198307	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	725707	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	318295	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	424049	20.000	ng	0.00
76) Chrysene-d12	14.027	240	353981	20.000	ng	0.00
86) Perylene-d12	15.492	264	279265	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	873840	73.058	ng	0.00
7) Phenol-d6	6.510	99	1120818	69.562	ng	0.00
23) Nitrobenzene-d5	7.434	82	688725	49.300	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	159596	61.371	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	933258	46.662	ng	0.00
79) Terphenyl-d14	12.974	244	732244	28.348	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	95917	4.633	ng	97
75) Fluoranthene	12.598	202	165411	8.912	ng	97
78) Pyrene	12.827	202	155490	4.110	ng	100
81) Benzo(a)anthracene	14.015	228	80735	3.543	ng	96
83) Chrysene	14.051	228	78968m	3.562	ng	
88) Benzo(b)fluoranthene	15.062	252	72384m	4.724	ng	
90) Benzo(a)pyrene	15.427	252	48043	3.577	ng	# 96
92) Benzo(g,h,i)perylene	17.398	276	23572	2.127	ng	# 84

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

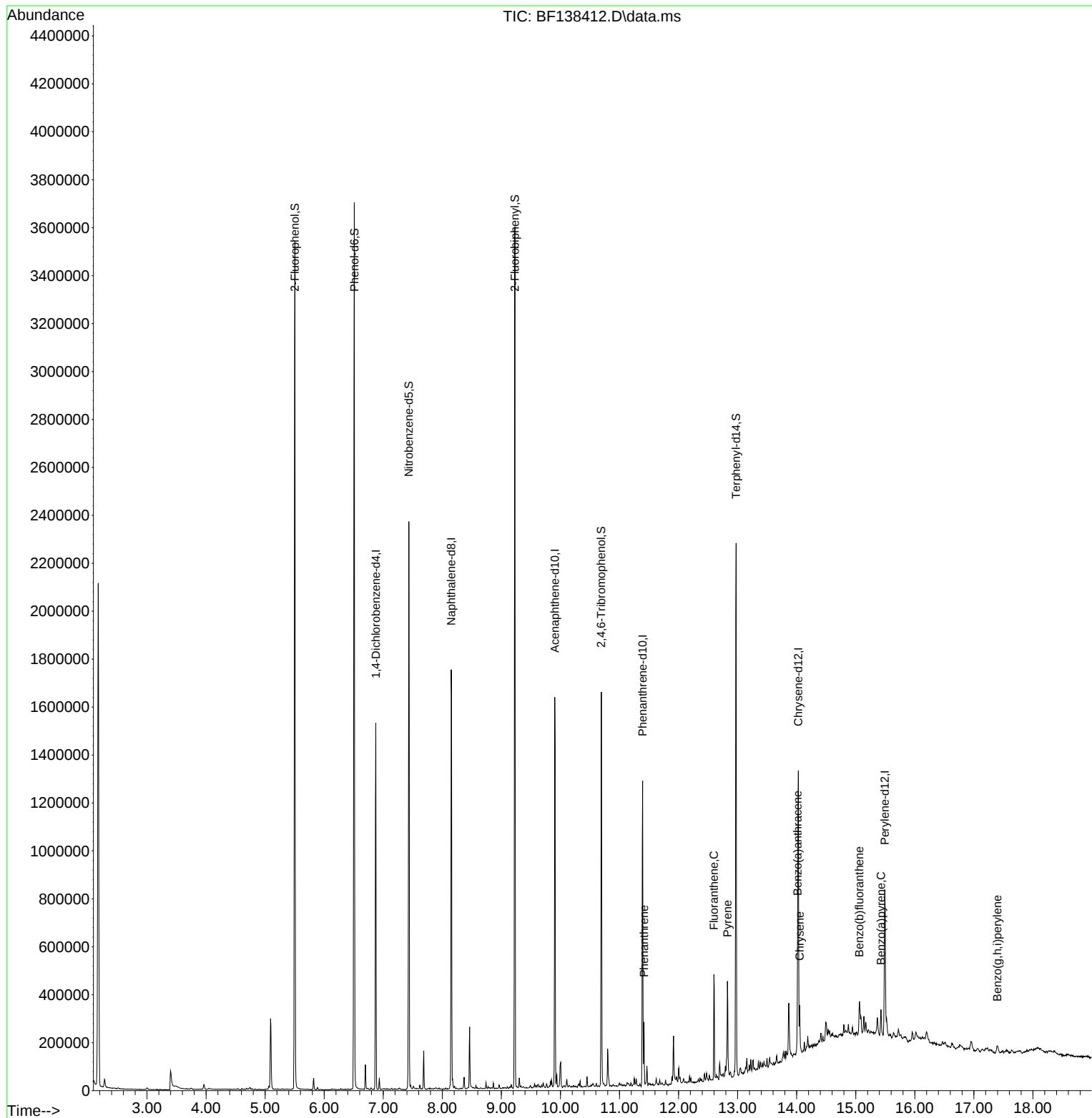
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
Data File : BF138412.D
Acq On : 01 Jul 2024 19:35
Operator : CG\JU
Sample : P3077-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

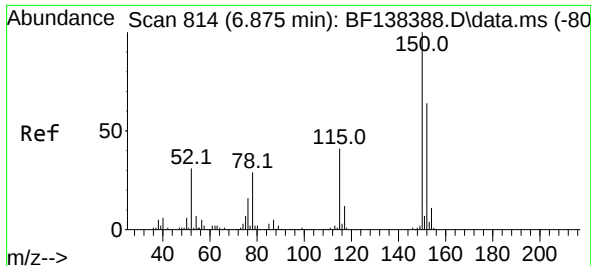
Instrument :
BNA_F
ClientSampleId :
1-W-1

Quant Time: Jul 02 01:16:01 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

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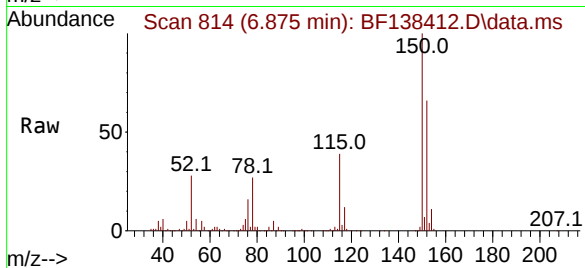
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

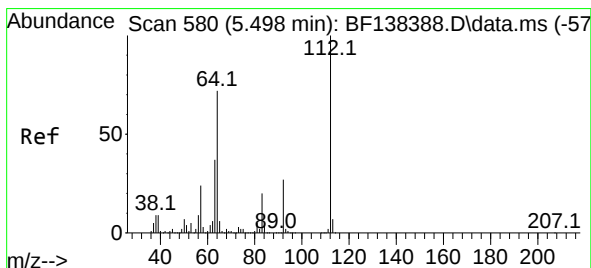
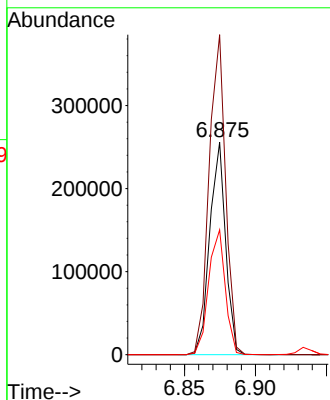
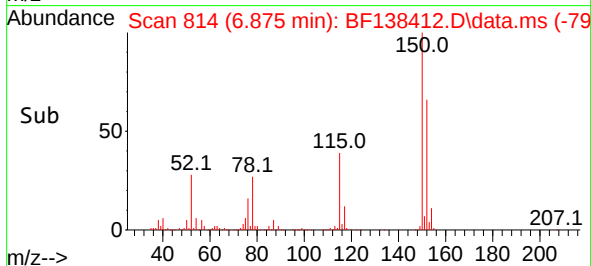
Instrument :
BNA_F
ClientSampleId :
1-W-1



Tgt Ion:152 Resp: 198307
Ion Ratio Lower Upper
152 100
150 150.7 124.9 187.3
115 58.7 50.8 76.2

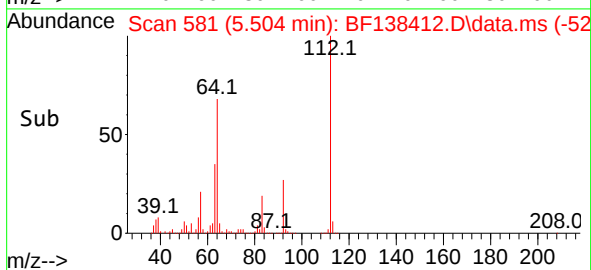
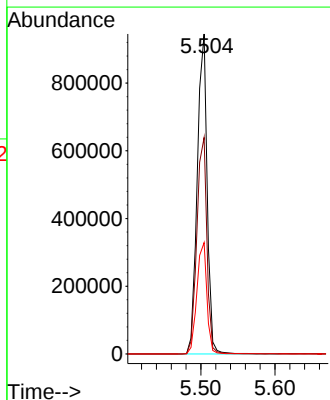
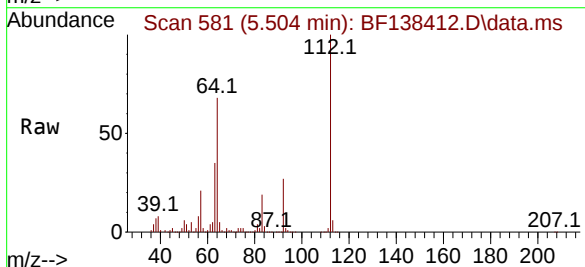
Manual Integrations
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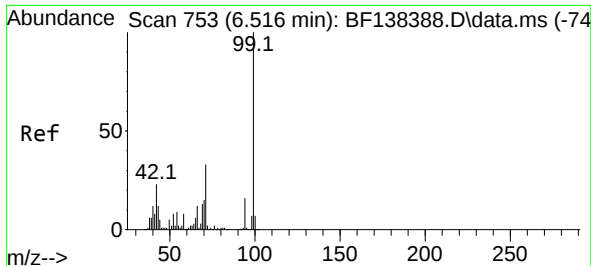
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#5
2-Fluorophenol
Concen: 73.058 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

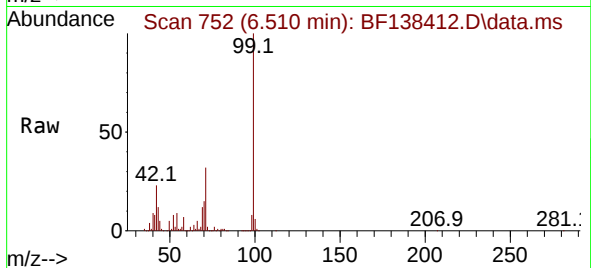
Tgt Ion:112 Resp: 873840
Ion Ratio Lower Upper
112 100
64 67.7 57.2 85.8
63 34.8 29.4 44.0





#7
Phenol-d6
Concen: 69.562 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

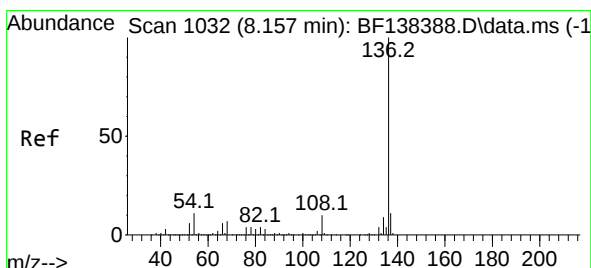
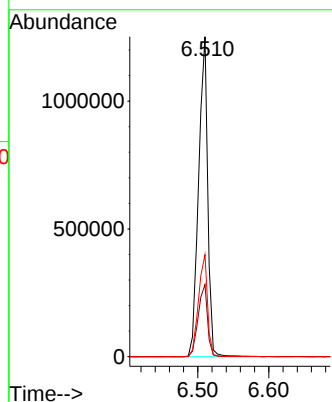
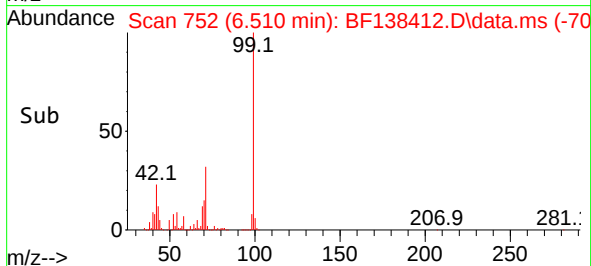
Instrument :
BNA_F
ClientSampleId :
1-W-1



Tgt Ion: 99 Resp: 1120818
Ion Ratio Lower Upper
99 100
42 22.6 18.5 27.7
71 31.9 26.1 39.1

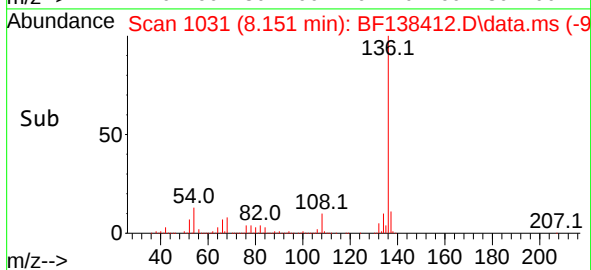
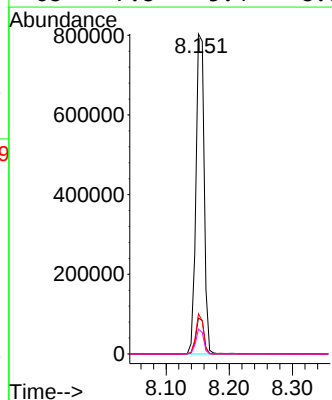
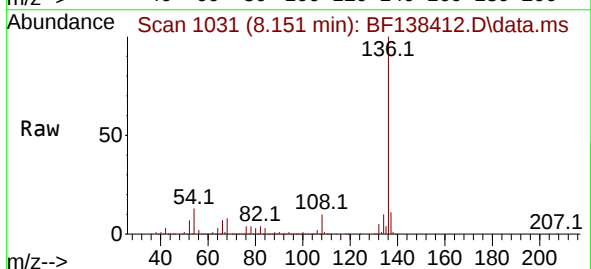
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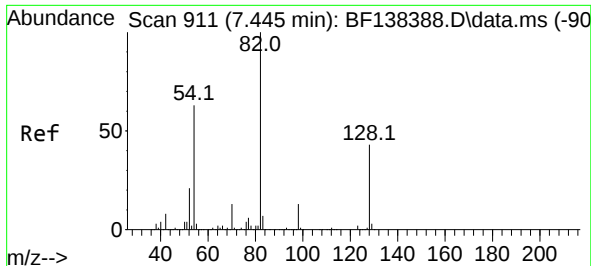
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

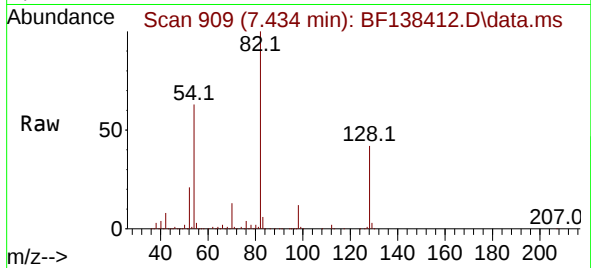
Tgt Ion:136 Resp: 725707
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 12.5 9.0 13.4
68 7.8 5.4 8.0





#23
Nitrobenzene-d5
Concen: 49.300 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

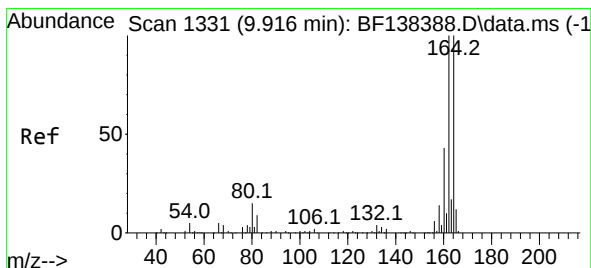
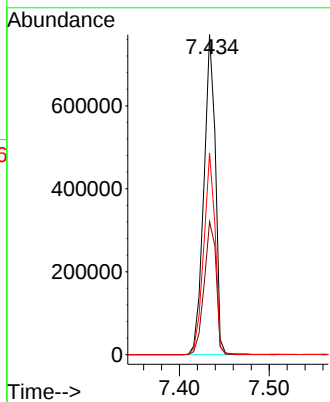
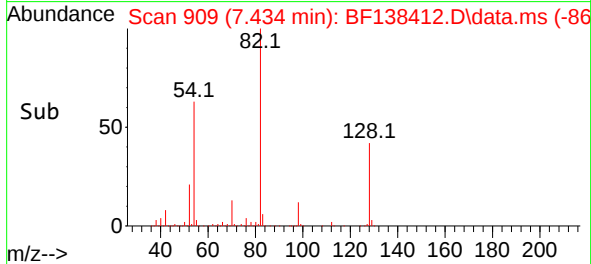
Instrument :
BNA_F
ClientSampleId :
1-W-1



Tgt Ion: 82 Resp: 688725
Ion Ratio Lower Upper
82 100
128 41.6 34.6 52.0
54 63.1 50.5 75.7

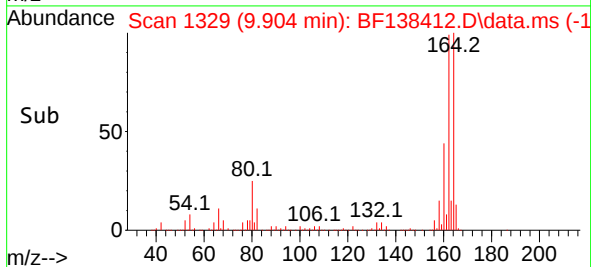
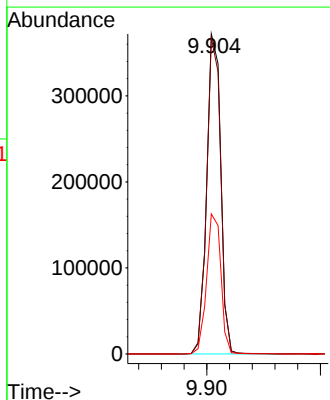
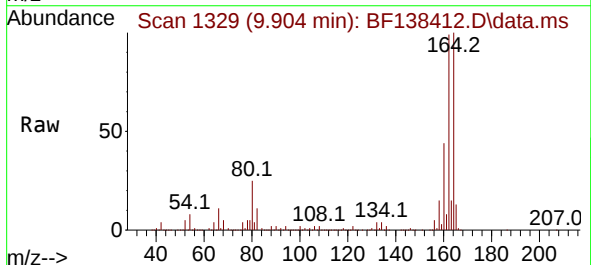
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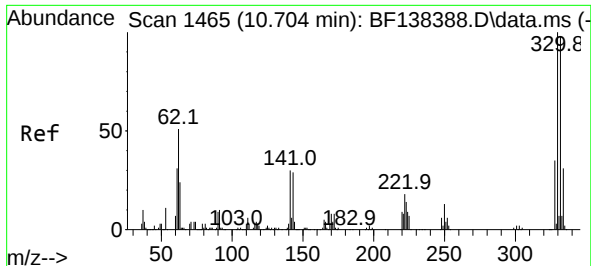
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

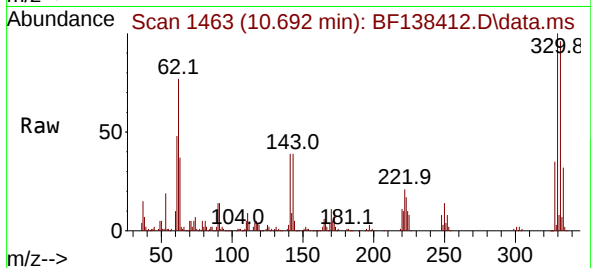
Tgt Ion:164 Resp: 318295
Ion Ratio Lower Upper
164 100
162 98.7 80.1 120.1
160 43.7 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 61.371 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

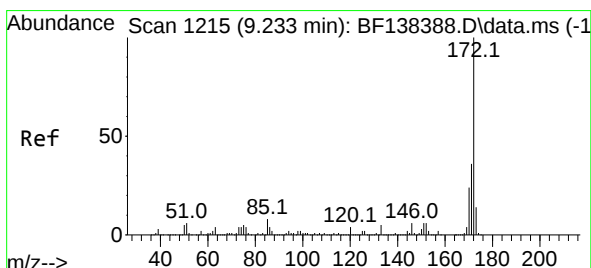
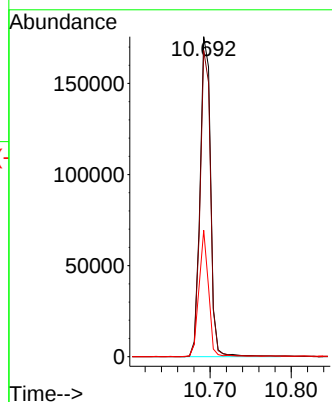
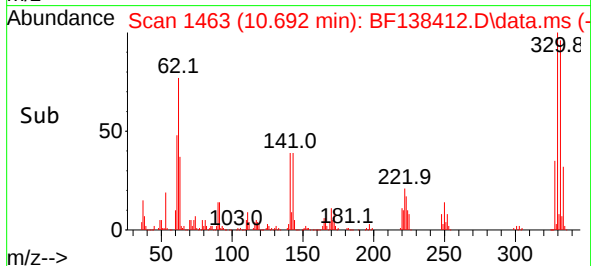
Instrument :
BNA_F
ClientSampleId :
1-W-1



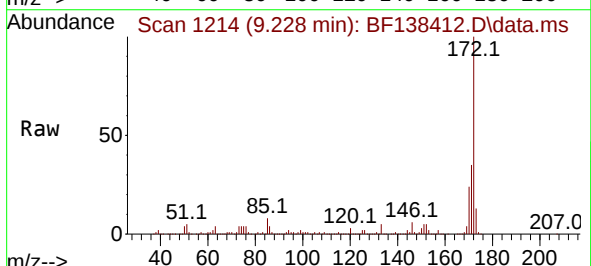
Tgt Ion: 330 Resp: 159590
Ion Ratio Lower Upper
330 100
332 94.5 77.0 115.6
141 35.8 28.1 42.1

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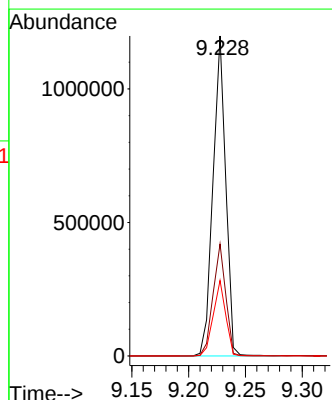
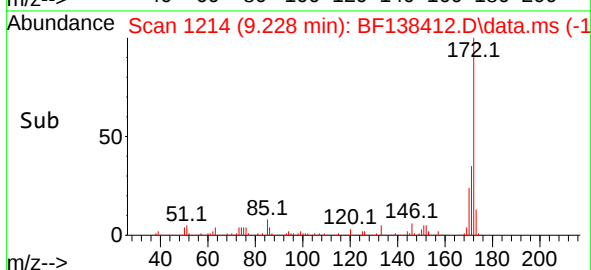
Reviewed By : Jagrut Upadhyay 07/02/2024
Supervised By : mohammad ahmed 07/03/2024

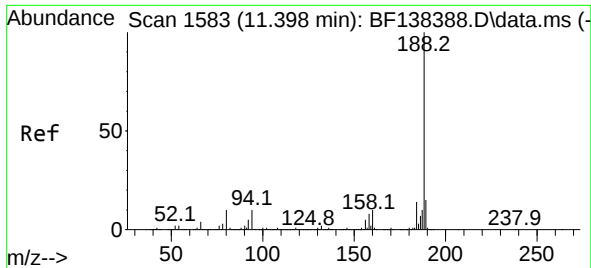


#45
2-Fluorobiphenyl
Concen: 46.662 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.005 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35



Tgt Ion: 172 Resp: 933258
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 23.6 19.0 28.6





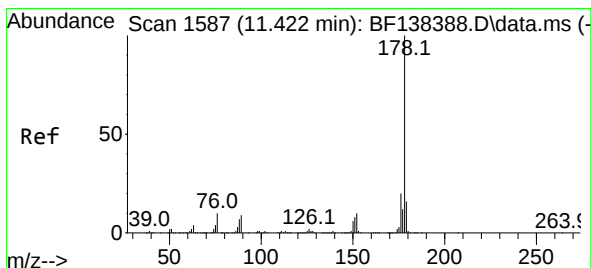
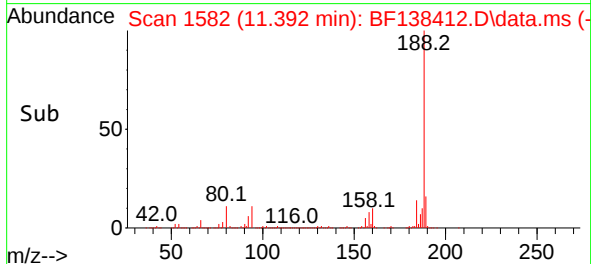
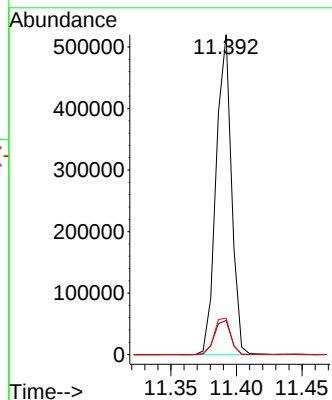
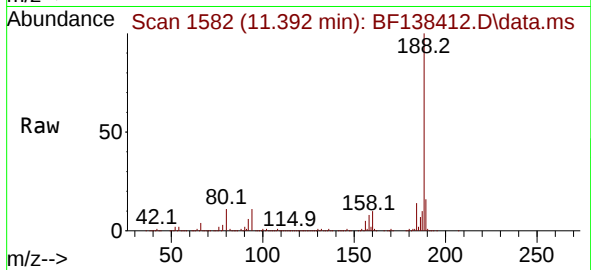
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Instrument :
BNA_F
ClientSampleId :
1-W-1

Tgt Ion:188 Resp: 424049
Ion Ratio Lower Upper
188 100
94 10.7 8.0 12.0
80 11.5 8.2 12.4

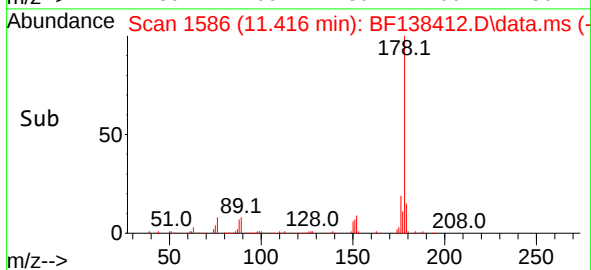
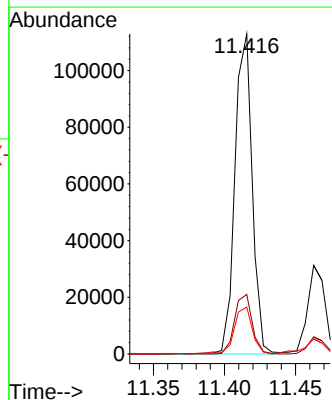
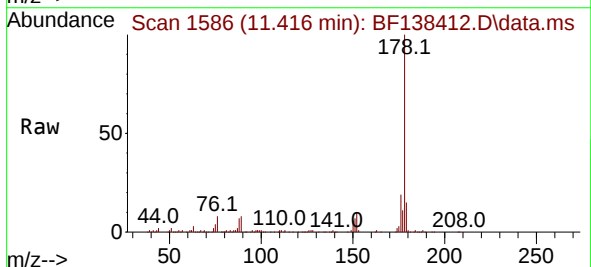
Manual Integrations
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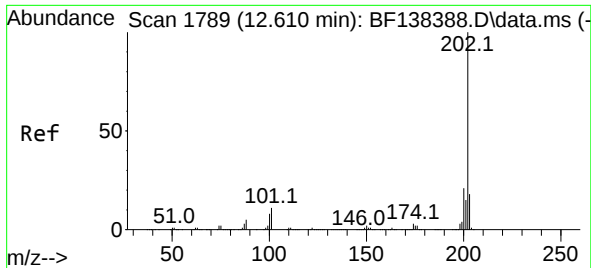
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#71
Phenanthrene
Concen: 4.633 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

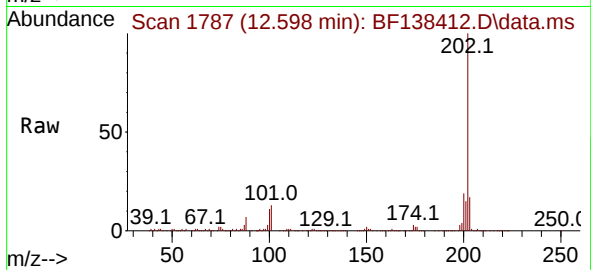
Tgt Ion:178 Resp: 95917
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 14.6 12.6 18.8





#75
Fluoranthene
Concen: 8.912 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

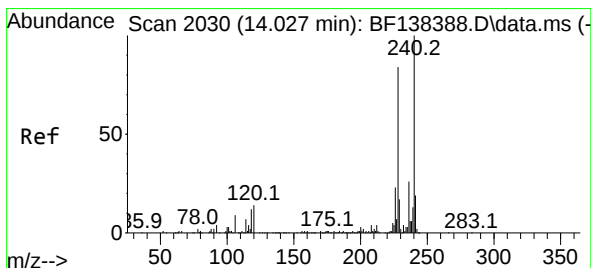
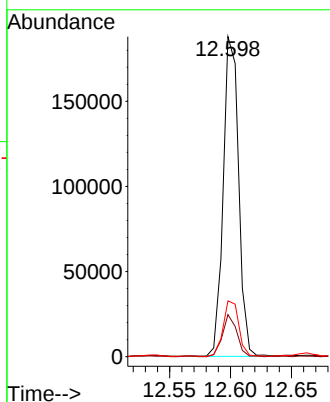
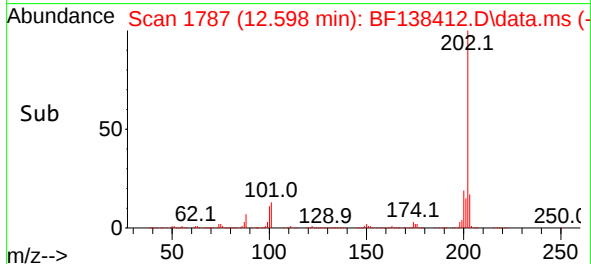
Instrument :
BNA_F
ClientSampleId :
1-W-1



Tgt Ion:202 Resp: 165411
Ion Ratio Lower Upper
202 100
101 13.1 0.0 30.5
203 17.5 0.0 37.6

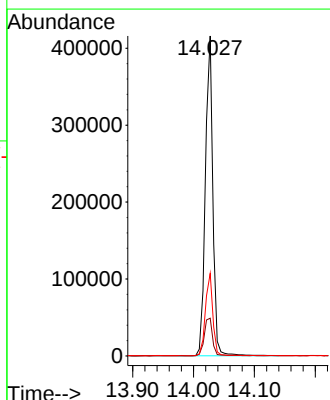
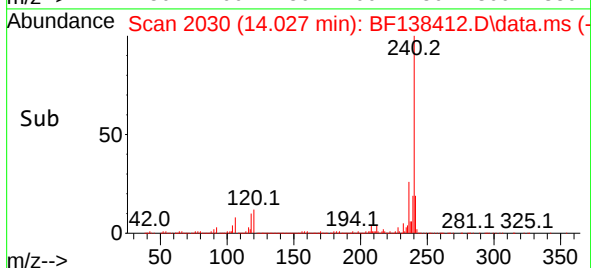
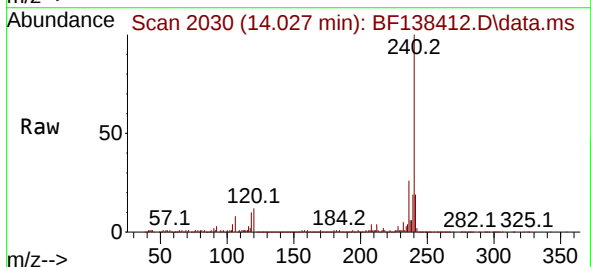
Manual Integrations
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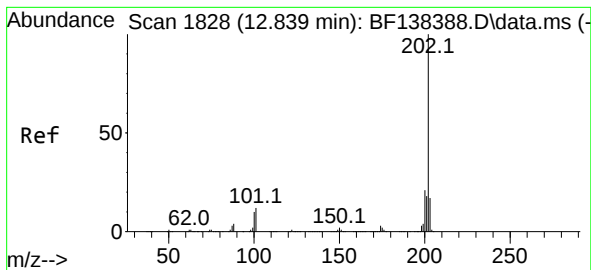
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:240 Resp: 353981
Ion Ratio Lower Upper
240 100
120 11.8 10.9 16.3
236 25.8 20.6 30.8





#78

Pyrene

Concen: 4.110 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

Instrument :

BNA_F

ClientSampleId :

1-W-1

Tgt Ion:202 Resp: 155490

Ion Ratio Lower Upper

202 100

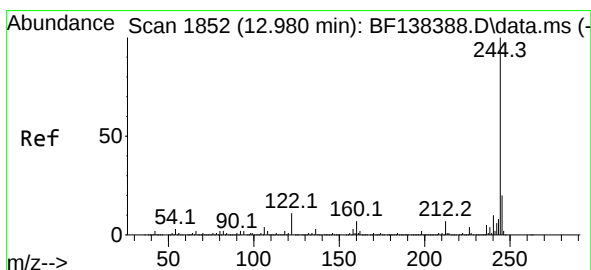
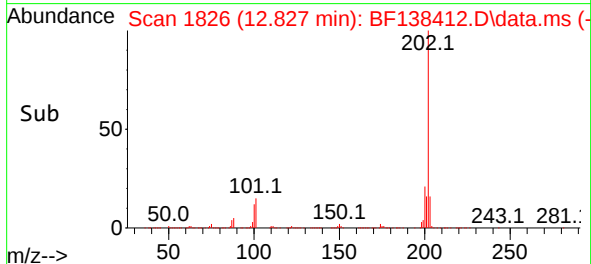
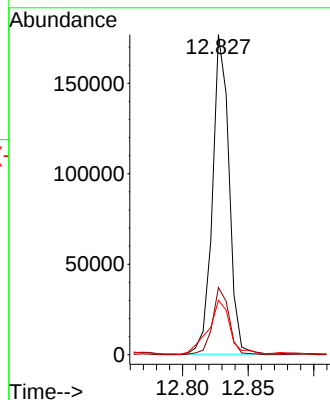
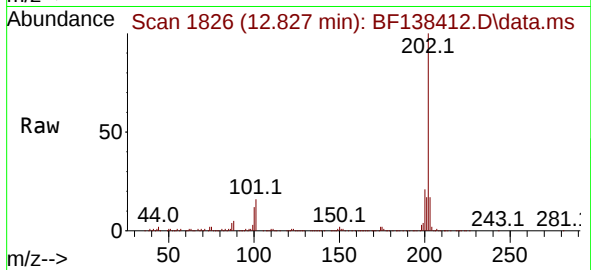
200 21.0 16.9 25.3

203 17.0 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: 28.348 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138412.D

Acq: 01 Jul 2024 19:35

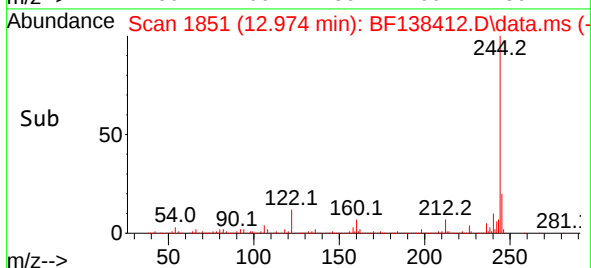
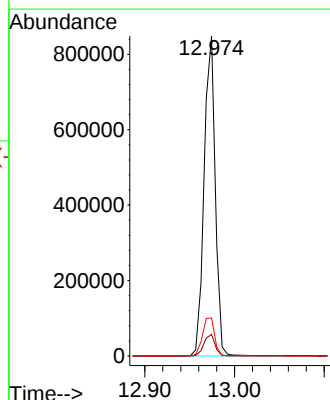
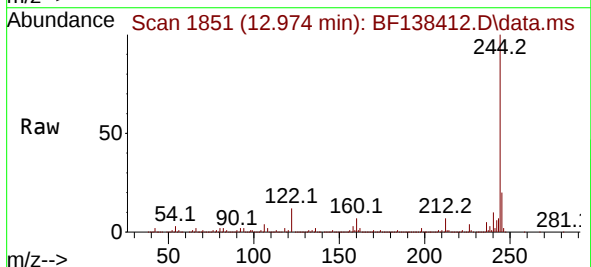
Tgt Ion:244 Resp: 732244

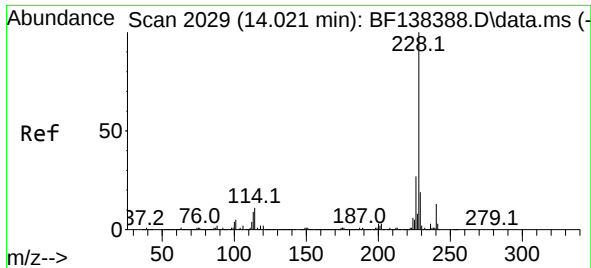
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

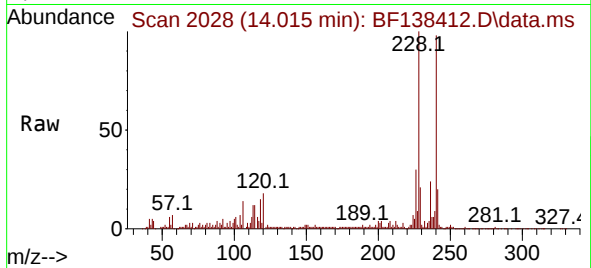
122 11.9 9.0 13.4





#81
Benzo(a)anthracene
Concen: 3.543 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

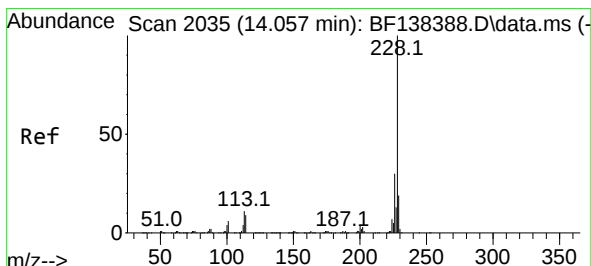
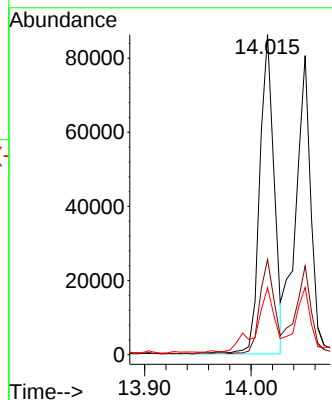
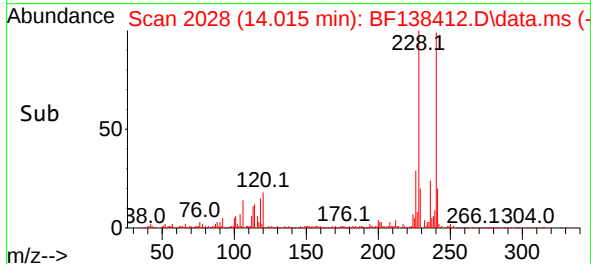
Instrument :
BNA_F
ClientSampleId :
1-W-1



Tgt Ion:228 Resp: 80735
Ion Ratio Lower Upper
228 100
226 29.7 21.7 32.5
229 20.9 15.5 23.3

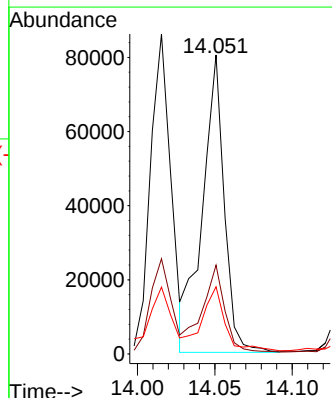
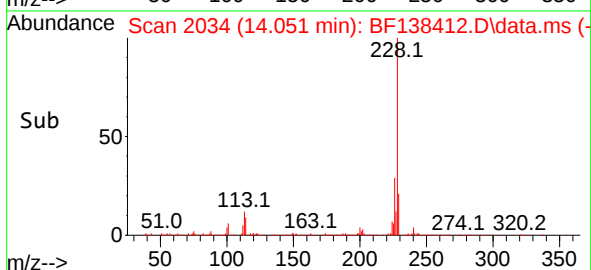
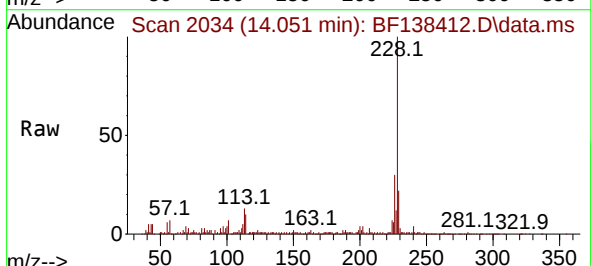
Manual Integrations
APPROVED

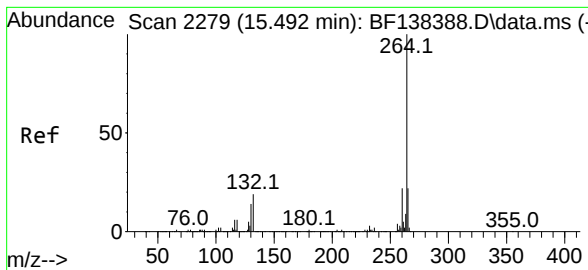
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#83
Chrysene
Concen: 3.562 ng m
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Tgt Ion:228 Resp: 78968
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 22.5 15.2 22.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

Instrument :

BNA_F

ClientSampleId :

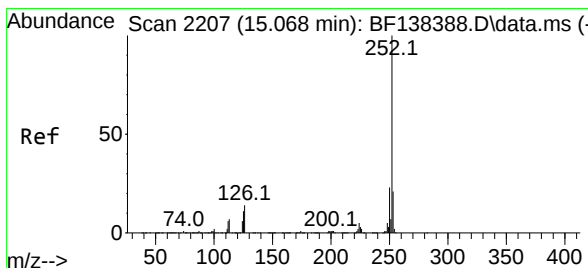
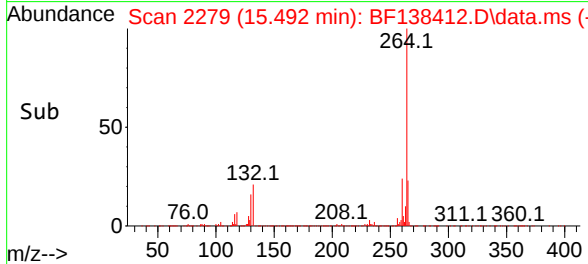
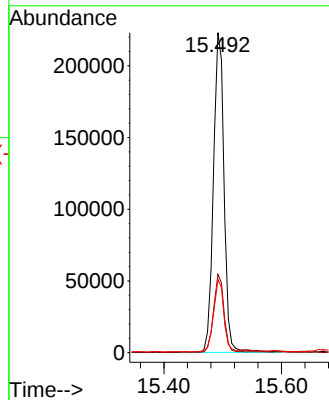
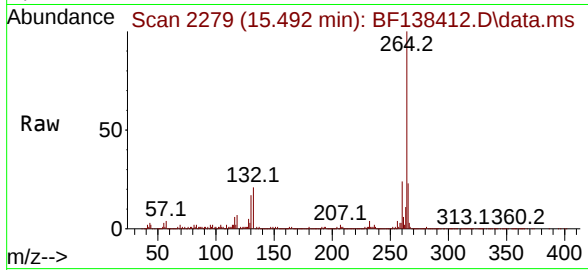
1-W-1

Tgt Ion:264 Resp: 27926
Ion Ratio Lower Upper
264 100
260 24.5 17.8 26.6
265 22.9 17.5 26.3

Manual Integrations

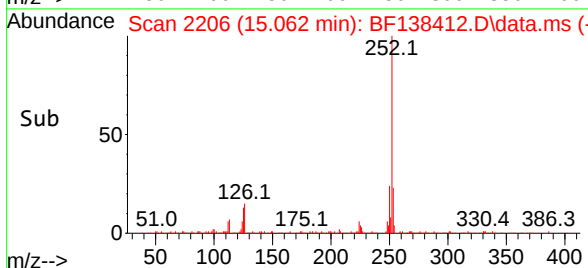
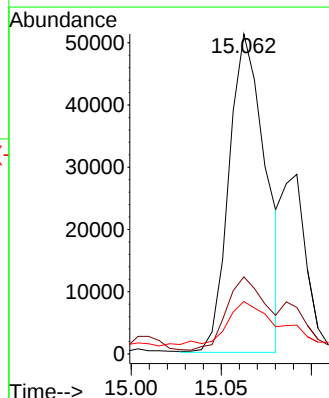
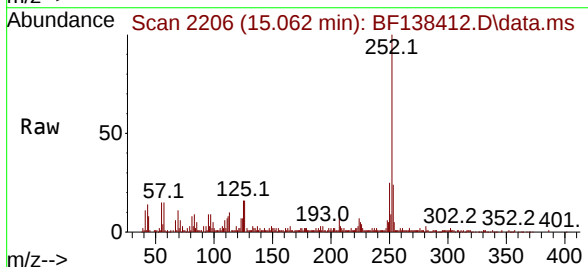
APPROVED

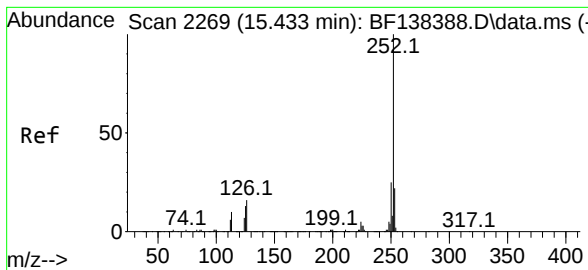
Reviewed By :Jagrut Upadhyay 07/02/2024
Supervised By :mohammad ahmed 07/03/2024



#88
Benzo(b)fluoranthene
Concen: 4.724 ng m
RT: 15.062 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

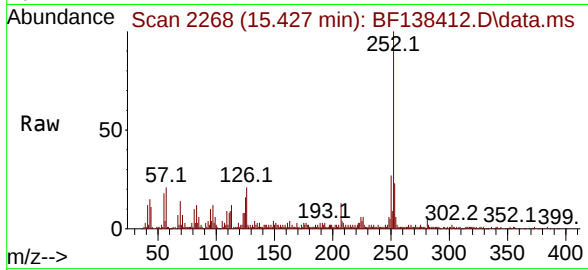
Tgt Ion:252 Resp: 72384
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 16.4 8.6 12.8#





#90
Benzo(a)pyrene
Concen: 3.577 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35

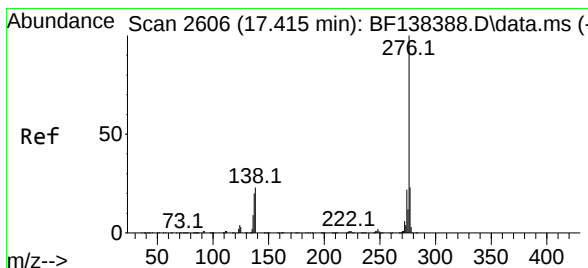
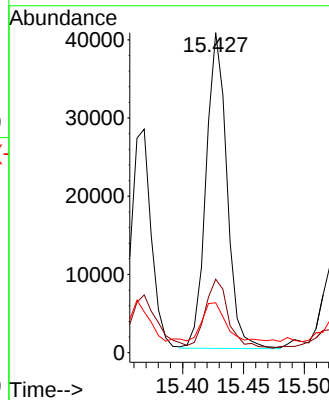
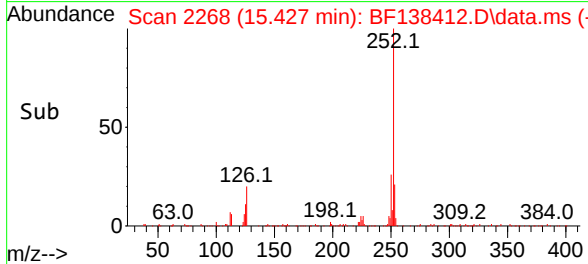
Instrument :
BNA_F
ClientSampleId :
1-W-1



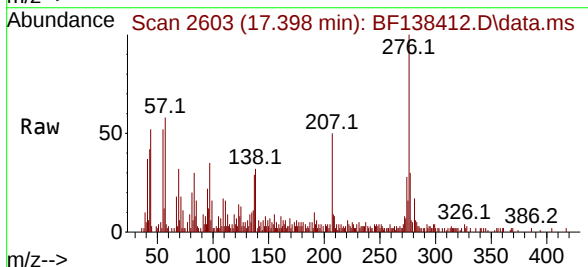
Tgt Ion:252 Resp: 4804
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 15.6 10.2 15.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.127 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.018 min
Lab File: BF138412.D
Acq: 01 Jul 2024 19:35



Tgt Ion:276 Resp: 23572
Ion Ratio Lower Upper
276 100
277 29.5 18.3 27.5#
138 32.0 18.3 27.5#

