

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
 Data File : BF138163.D
 Acq On : 07 Jun 2024 16:35
 Operator : CG\JU
 Sample : P2704-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPU

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/08/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 07 17:07:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	395832	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1542126	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	855671	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	1323980	20.000	ng	0.00
76) Chrysene-d12	14.062	240	614298	20.000	ng	0.00
86) Perylene-d12	15.545	264	626717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1817076	78.233	ng	0.00
7) Phenol-d6	6.528	99	2295311	78.107	ng	0.00
23) Nitrobenzene-d5	7.463	82	1373196	60.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	665013	80.757	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2712497	55.429	ng	0.00
79) Terphenyl-d14	13.010	244	2150191	52.354	ng	-0.01
Target Compounds						Qvalue
55) Dibenzofuran	10.139	168	174574	2.695	ng	99
58) Fluorene	10.486	166	155562	3.023	ng	99
71) Phenanthrene	11.451	178	578822	9.081	ng	95
72) Anthracene	11.498	178	353616	5.563	ng	97
75) Fluoranthene	12.639	202	946675	13.766	ng	95
78) Pyrene	12.868	202	759056	13.663	ng	95
81) Benzo(a)anthracene	14.051	228	288038	7.432	ng	98
83) Chrysene	14.086	228	226564	6.091	ng	96
88) Benzo(b)fluoranthene	15.109	252	337157m	8.558	ng	
89) Benzo(k)fluoranthene	15.133	252	95960m	2.554	ng	
90) Benzo(a)pyrene	15.474	252	224643	7.529	ng	97

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

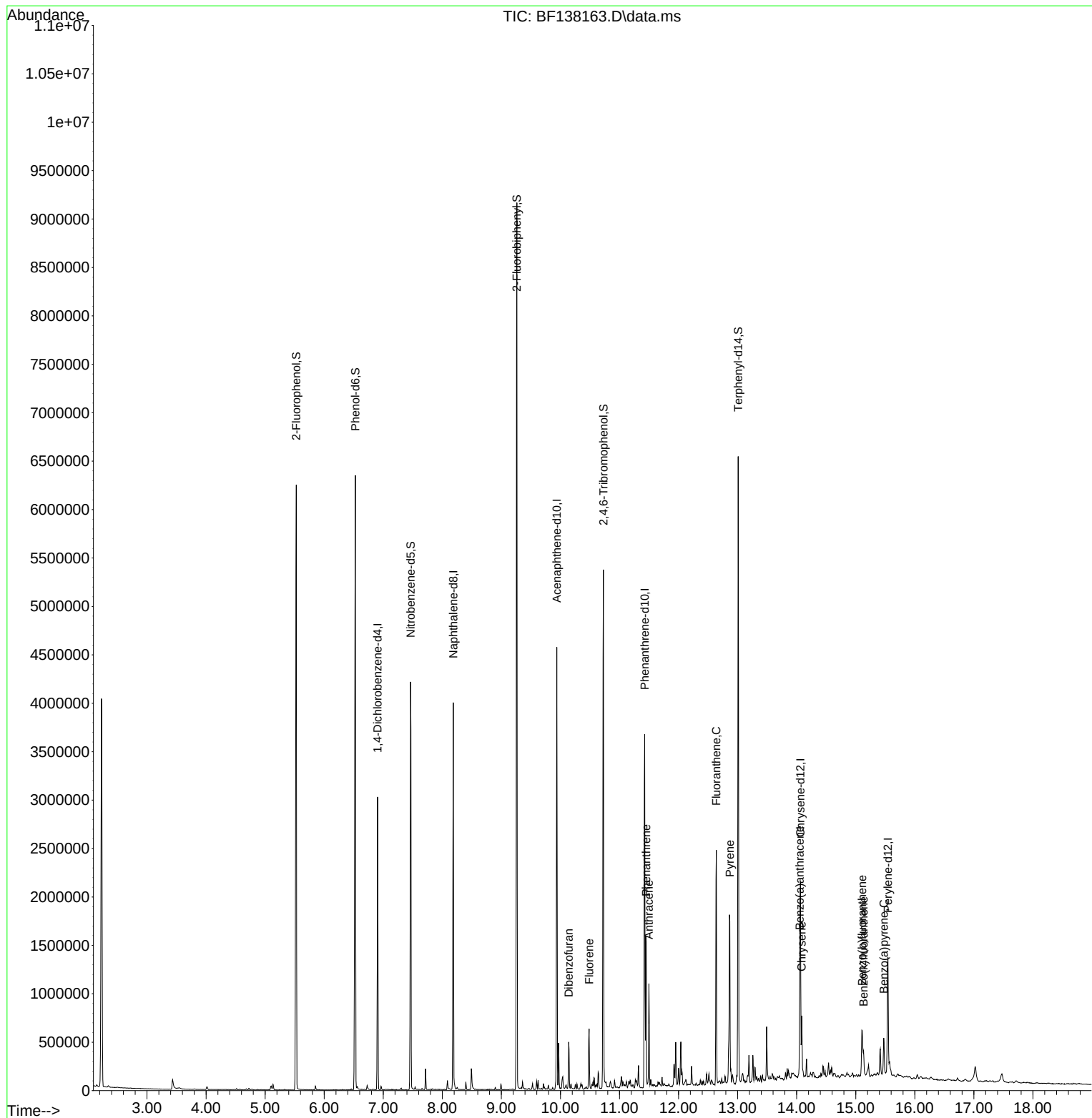
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
Data File : BF138163.D
Acq On : 07 Jun 2024 16:35
Operator : CG\JU
Sample : P2704-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

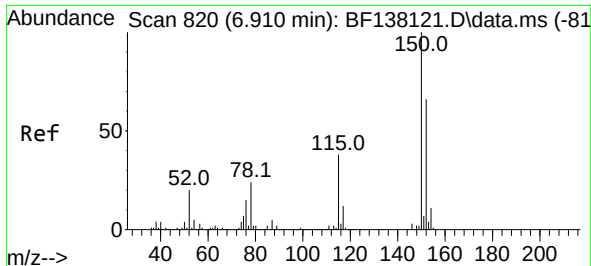
Instrument :
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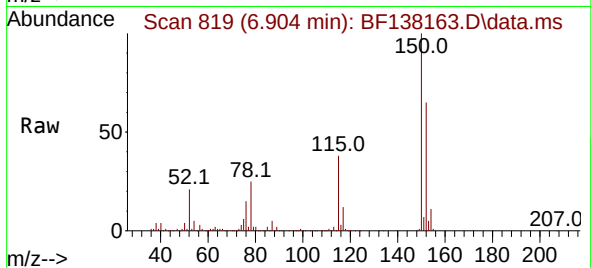
Quant Time: Jun 07 17:07:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 06 05:19:29 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

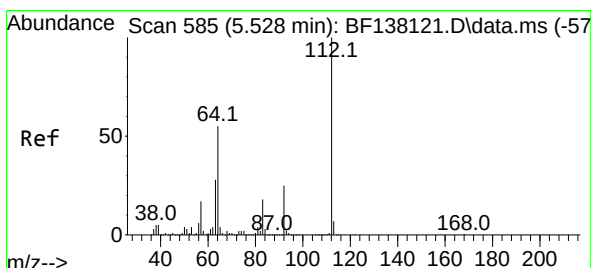
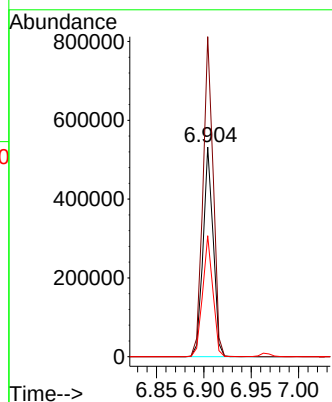
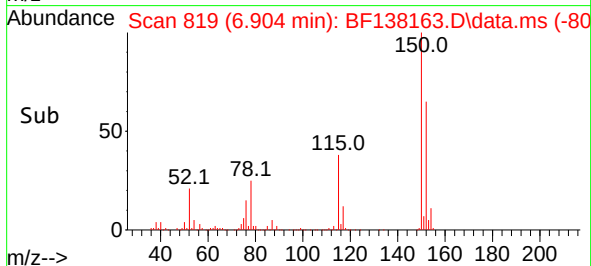
Instrument :
BNA_F
ClientSampleId :
WCS-TPU



Tgt Ion:152 Resp: 395832
Ion Ratio Lower Upper
152 100
150 152.7 121.8 182.6
115 57.7 46.2 69.2

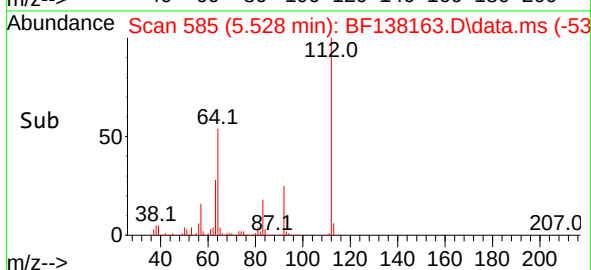
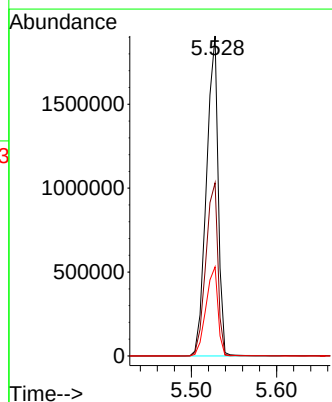
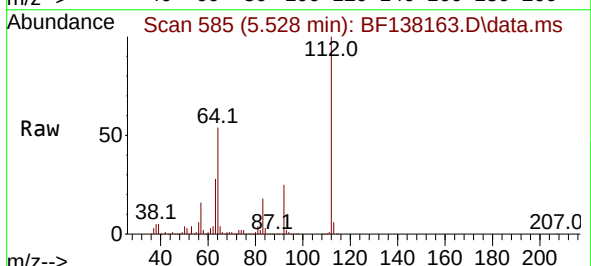
Manual Integrations
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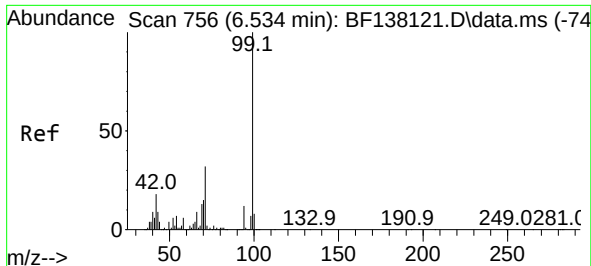
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#5
2-Fluorophenol
Concen: 78.233 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.000 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

Tgt Ion:112 Resp: 1817076
Ion Ratio Lower Upper
112 100
64 54.1 44.0 66.0
63 27.9 22.1 33.1





#7

Phenol-d6

Concen: 78.107 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138163.D

Acq: 07 Jun 2024 16:35

Instrument :

BNA_F

ClientSampleId :

WCS-TPU

Tgt Ion: 99 Resp: 229531

Ion Ratio Lower Upper

99 100

42 17.4 14.4 21.6

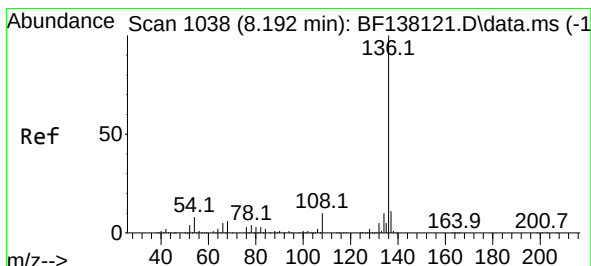
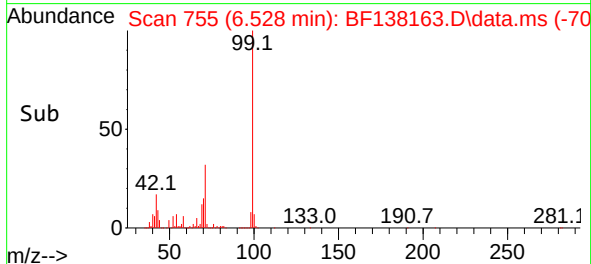
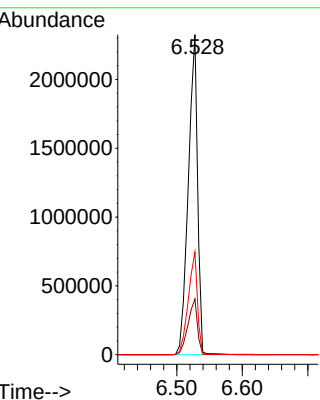
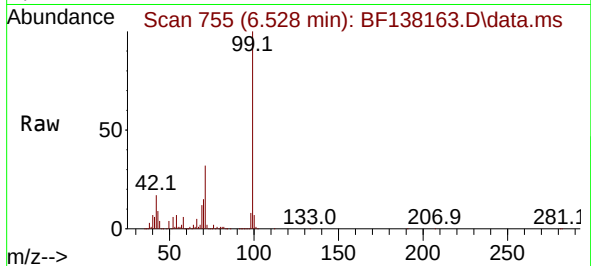
71 32.1 25.5 38.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.186 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF138163.D

Acq: 07 Jun 2024 16:35

Tgt Ion:136 Resp: 1542126

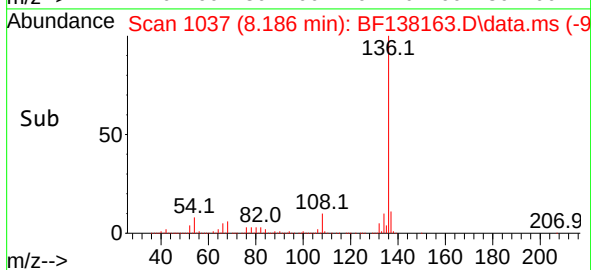
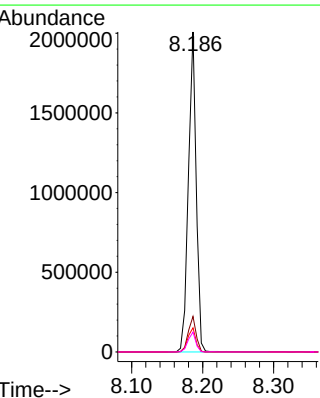
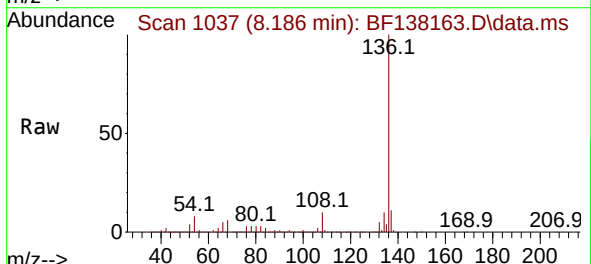
Ion Ratio Lower Upper

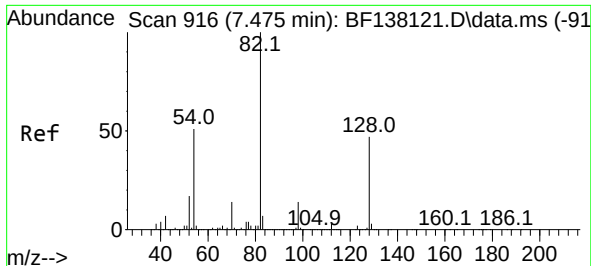
136 100

137 11.1 9.1 13.7

54 7.6 6.2 9.2

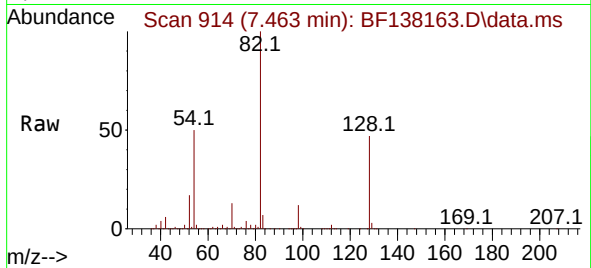
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 60.584 ng
RT: 7.463 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

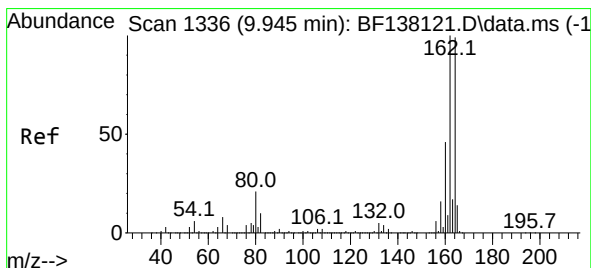
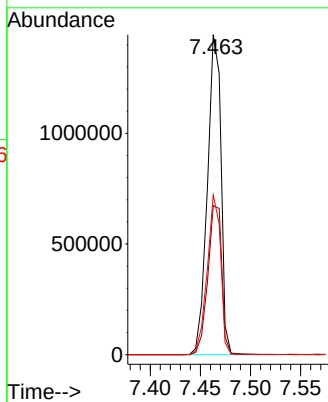
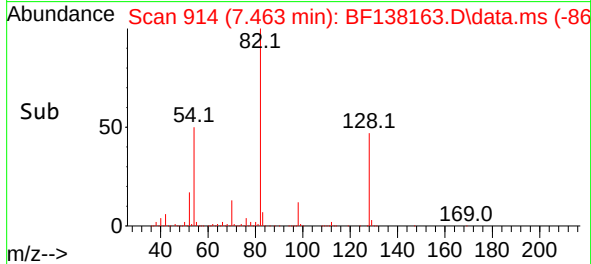
Instrument :
BNA_F
ClientSampleId :
WCS-TPU



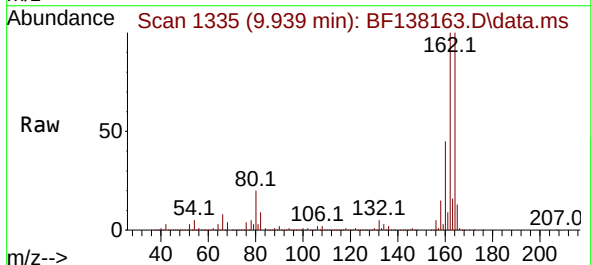
Tgt Ion: 82 Resp: 1373190
Ion Ratio Lower Upper
82 100
128 46.5 37.7 56.5
54 49.9 40.8 61.2

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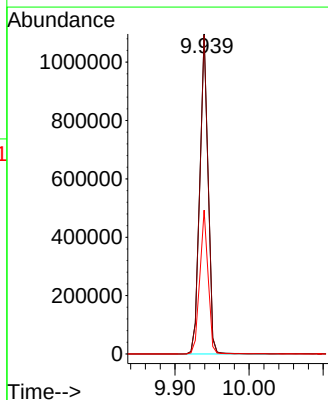
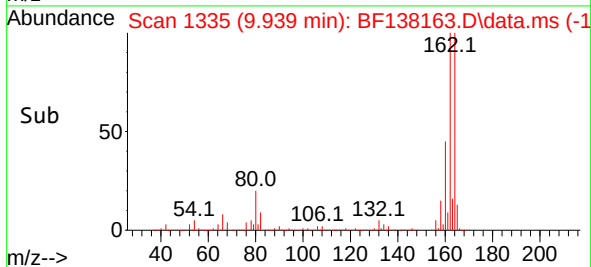
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

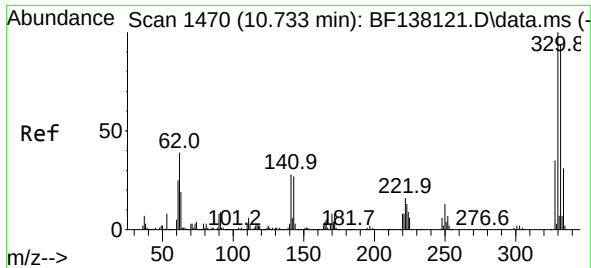


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35



Tgt Ion:164 Resp: 855671
Ion Ratio Lower Upper
164 100
162 99.7 80.9 121.3
160 45.0 37.0 55.6





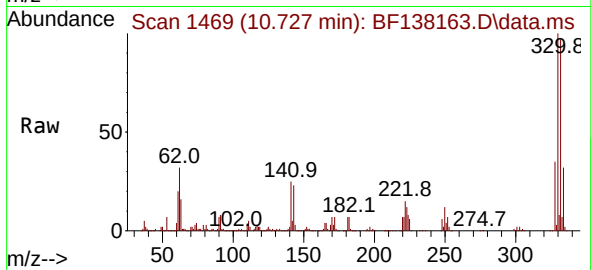
#42
2,4,6-Tribromophenol
Concen: 80.757 ng
RT: 10.727 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

Instrument :

BNA_F

ClientSampleId :

WCS-TPU



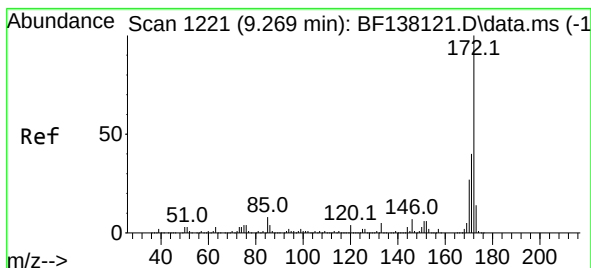
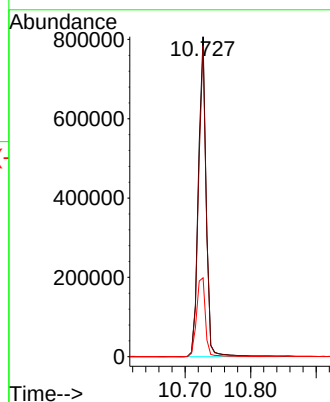
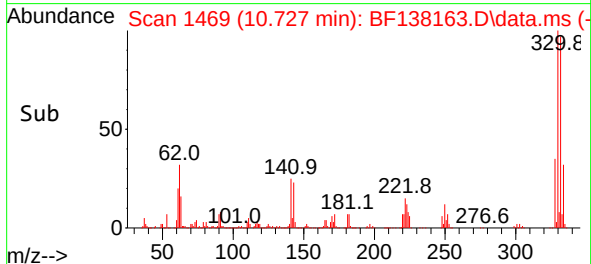
Tgt Ion:330 Resp: 665011
Ion Ratio Lower Upper
330 100
332 96.0 75.8 113.8
141 28.3 23.2 34.8

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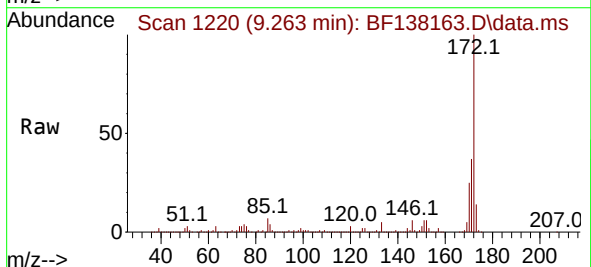
APPROVED

Reviewed By :Yogesh Patel 06/08/2024

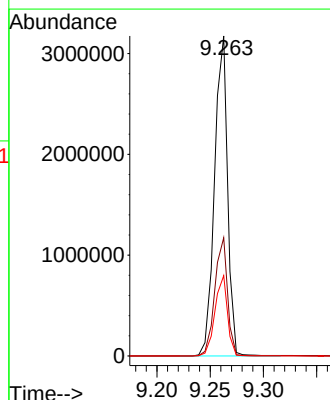
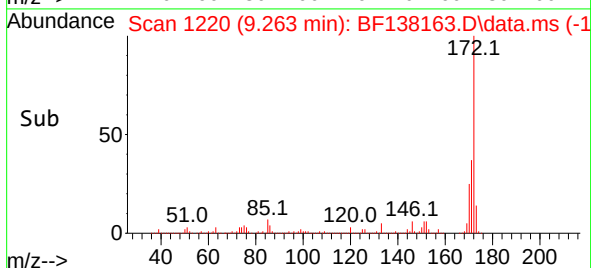
Supervised By :mohammad ahmed 06/10/2024

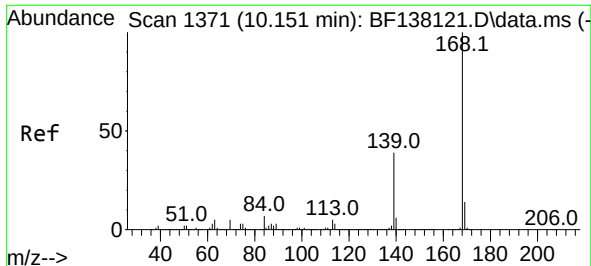


#45
2-Fluorobiphenyl
Concen: 55.429 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35



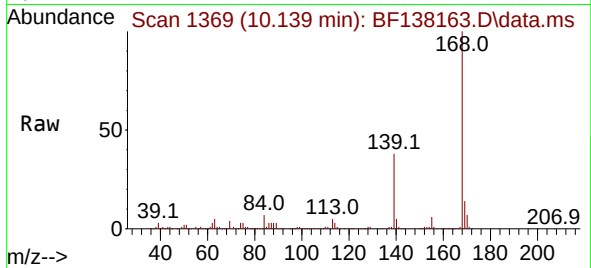
Tgt Ion:172 Resp: 2712497
Ion Ratio Lower Upper
172 100
171 37.0 31.6 47.4
170 25.1 21.4 32.2





#55
Dibenzenofuran
Concen: 2.695 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

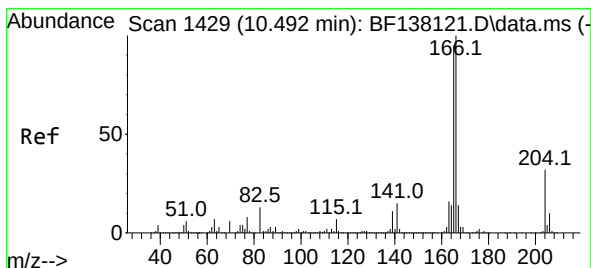
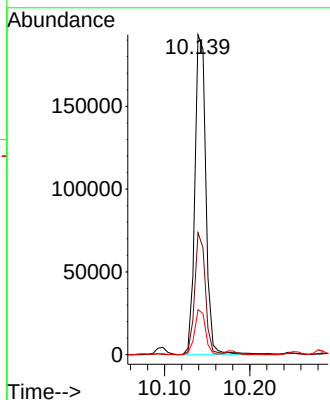
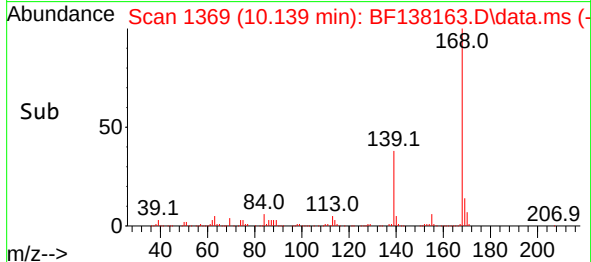
Instrument :
BNA_F
ClientSampleId :
WCS-TPU



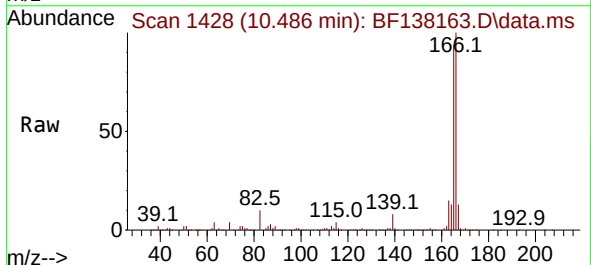
Tgt Ion:168 Resp: 174574
Ion Ratio Lower Upper
168 100
139 38.1 31.1 46.7
169 14.0 11.6 17.4

Manual Integrations
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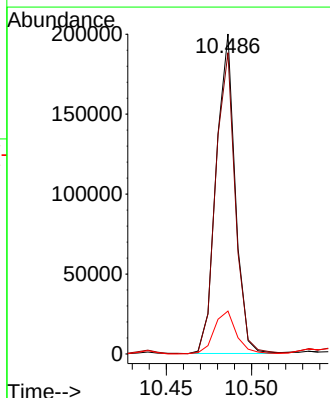
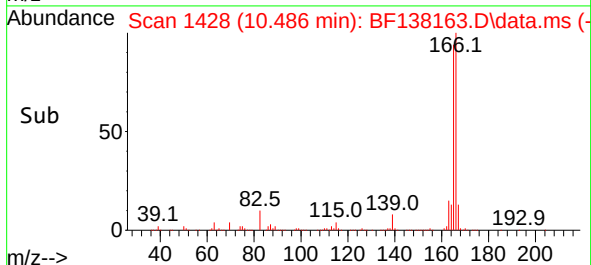
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

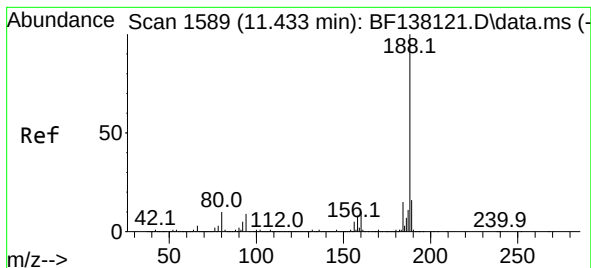


#58
Fluorene
Concen: 3.023 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35



Tgt Ion:166 Resp: 155562
Ion Ratio Lower Upper
166 100
165 94.1 76.3 114.5
167 13.4 11.2 16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF138163.D

Acq: 07 Jun 2024 16:35

Instrument :

BNA_F

ClientSampleId :

WCS-TPU

Tgt Ion:188 Resp: 1323980

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

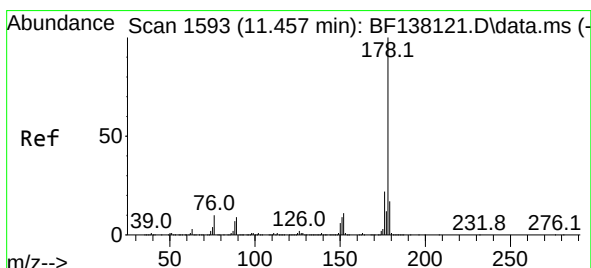
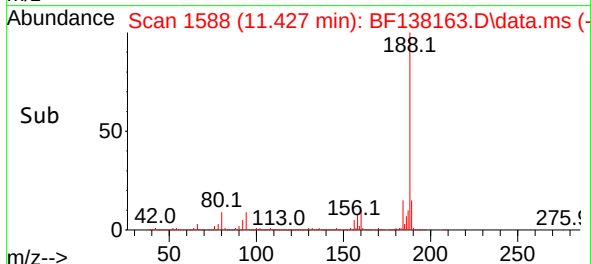
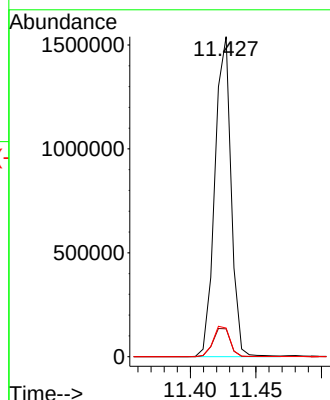
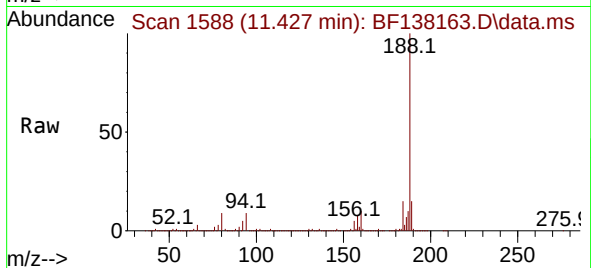
80 9.0 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#71

Phenanthrene

Concen: 9.081 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF138163.D

Acq: 07 Jun 2024 16:35

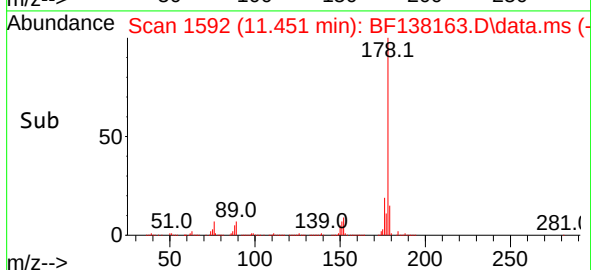
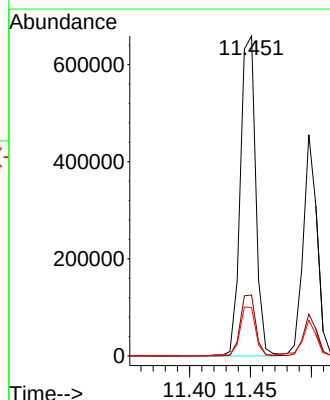
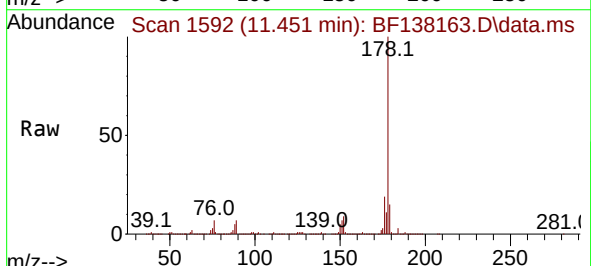
Tgt Ion:178 Resp: 578822

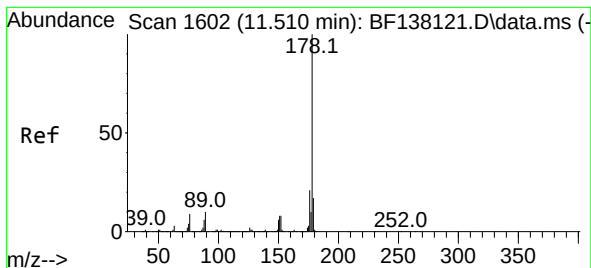
Ion Ratio Lower Upper

178 100

176 19.0 17.2 25.8

179 15.1 13.6 20.4





#72

Anthracene

Concen: 5.563 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138163.D

Acq: 07 Jun 2024 16:35

Instrument :

BNA_F

ClientSampleId :

WCS-TPU

Tgt Ion:178 Resp: 353610

Ion Ratio Lower Upper

178 100

176 18.9 16.5 24.7

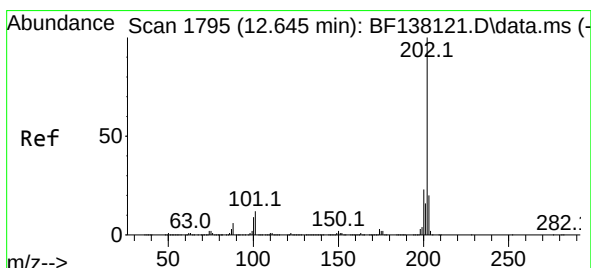
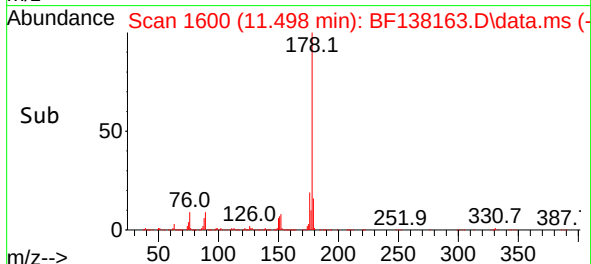
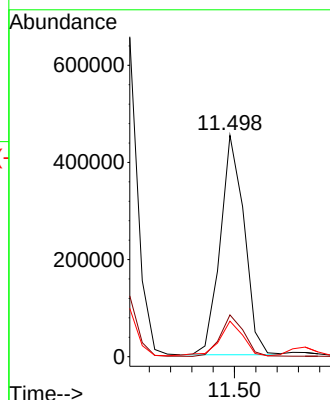
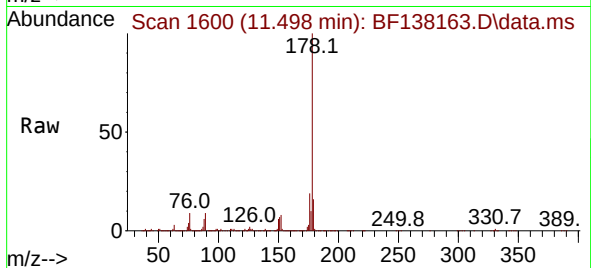
179 16.0 13.6 20.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#75

Fluoranthene

Concen: 13.766 ng

RT: 12.639 min Scan# 1794

Delta R.T. -0.006 min

Lab File: BF138163.D

Acq: 07 Jun 2024 16:35

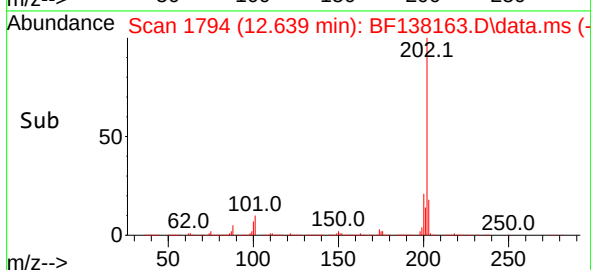
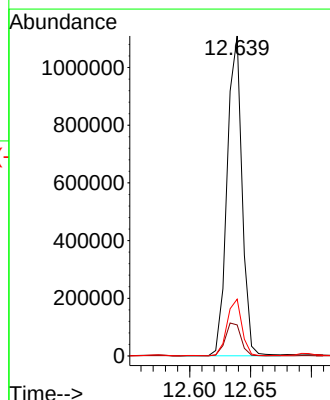
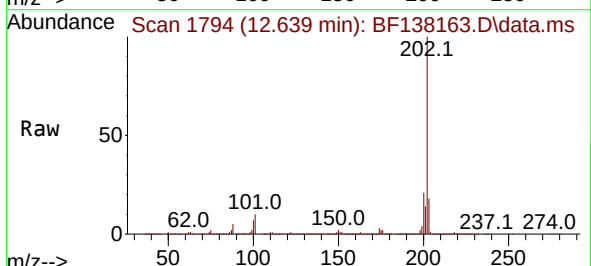
Tgt Ion:202 Resp: 946675

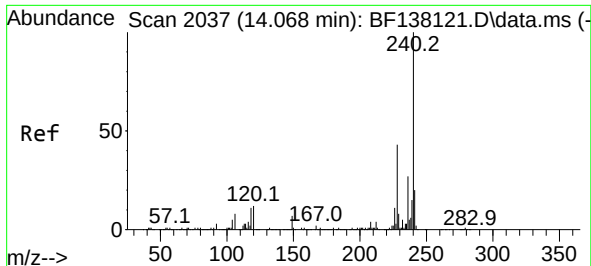
Ion Ratio Lower Upper

202 100

101 9.7 0.0 32.2

203 17.7 0.0 39.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

Instrument :

BNA_F

ClientSampleId :

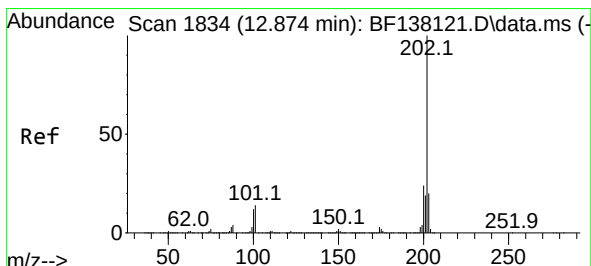
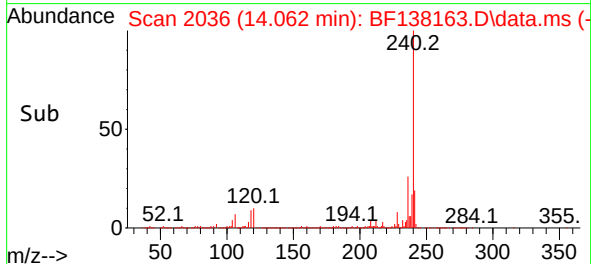
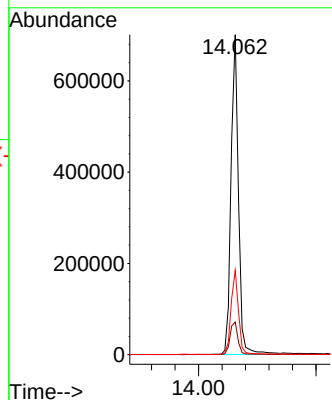
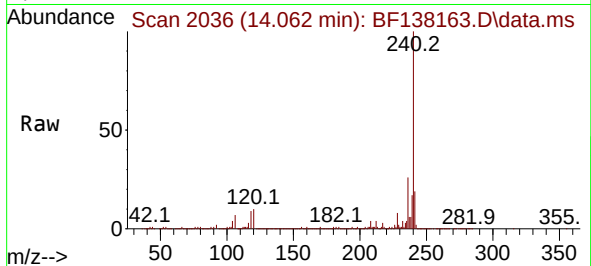
WCS-TPU

Tgt Ion:240 Resp: 614298
Ion Ratio Lower Upper
240 100
120 10.2 9.8 14.8
236 26.3 21.2 31.8

Manual Integrations

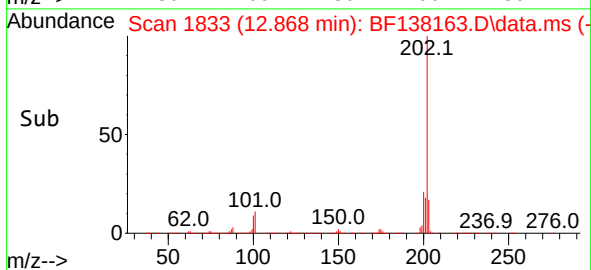
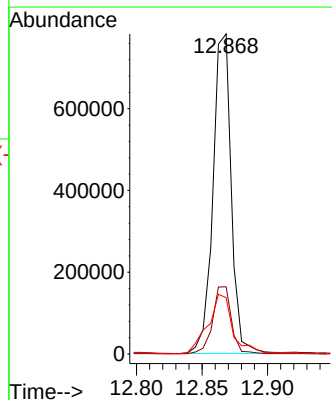
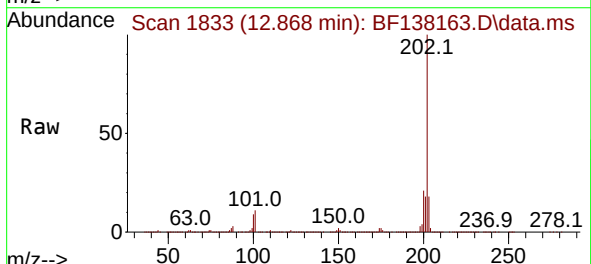
APPROVED

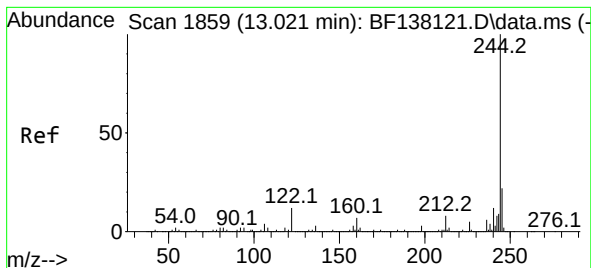
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#78
Pyrene
Concen: 13.663 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

Tgt Ion:202 Resp: 759056
Ion Ratio Lower Upper
202 100
200 21.0 19.1 28.7
203 17.6 15.6 23.4





#79

Terphenyl-d14

Concen: 52.354 ng

RT: 13.010 min Scan# 1857

Delta R.T. -0.012 min

Lab File: BF138163.D

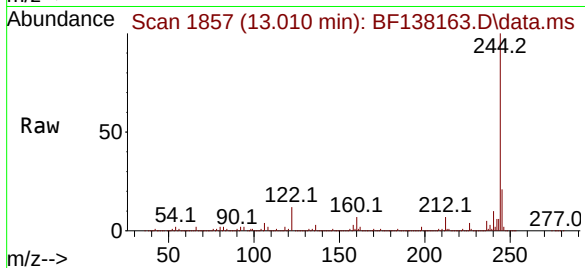
Acq: 07 Jun 2024 16:35

Instrument :

BNA_F

ClientSampleId :

WCS-TPU



Tgt Ion:244 Resp: 215019

Ion Ratio Lower Upper

244 100

212 6.5 6.4 9.6

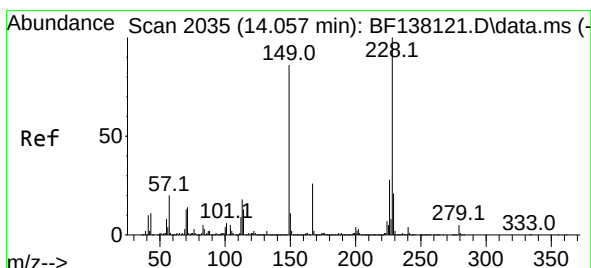
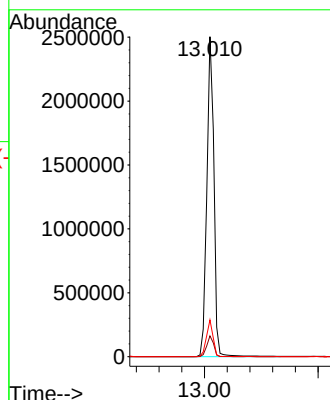
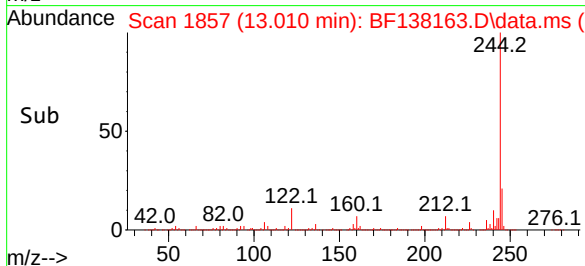
122 11.5 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/08/2024

Supervised By :mohammad ahmed 06/10/2024



#81

Benzo(a)anthracene

Concen: 7.432 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138163.D

Acq: 07 Jun 2024 16:35

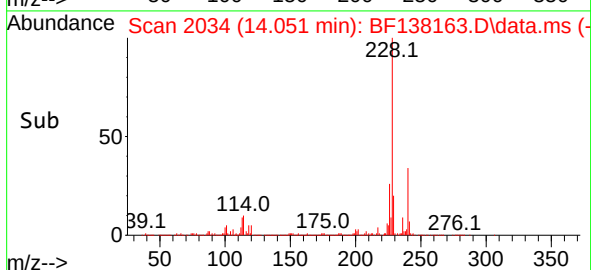
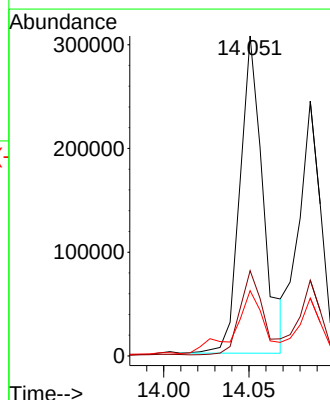
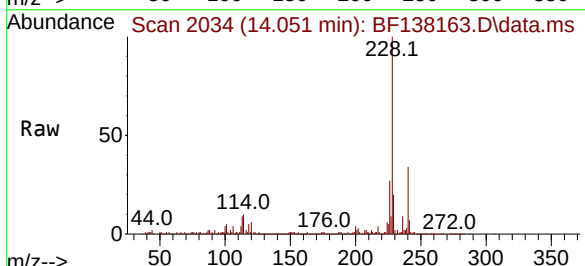
Tgt Ion:228 Resp: 288038

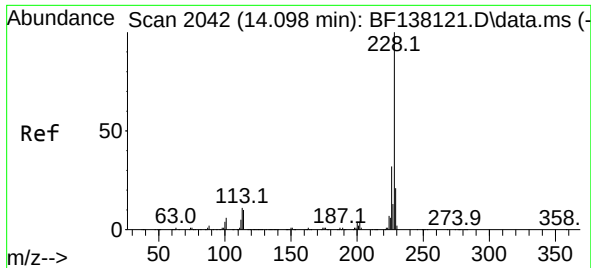
Ion Ratio Lower Upper

228 100

226 26.6 22.7 34.1

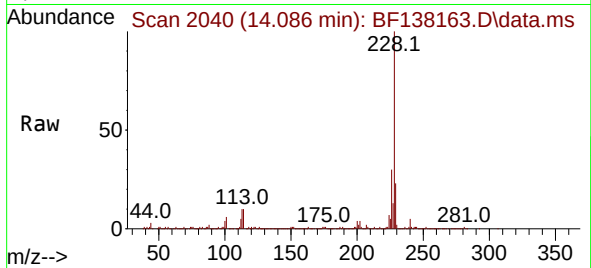
229 20.4 16.7 25.1





#83
Chrysene
Concen: 6.091 ng
RT: 14.086 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

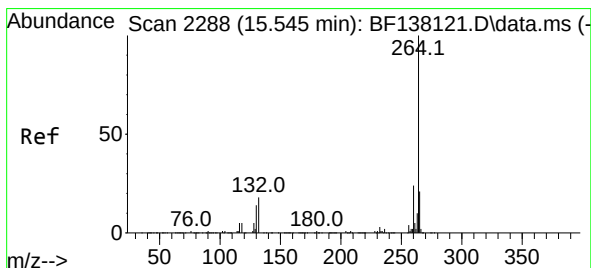
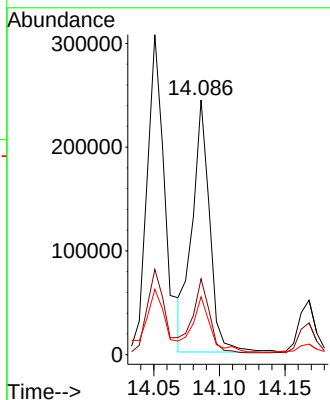
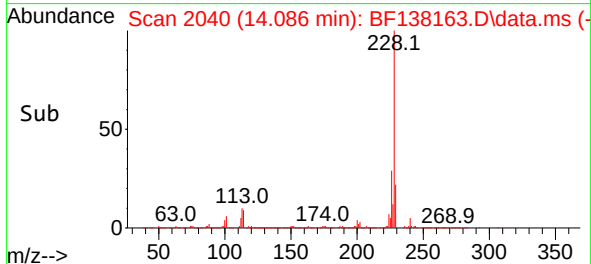
Instrument :
BNA_F
ClientSampleId :
WCS-TPU



Tgt Ion:228 Resp: 226564
Ion Ratio Lower Upper
228 100
226 29.8 25.6 38.4
229 22.7 16.6 25.0

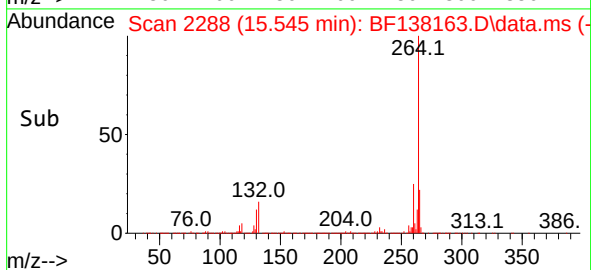
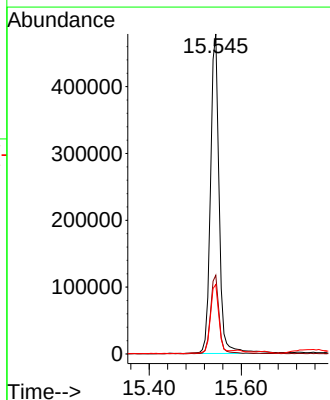
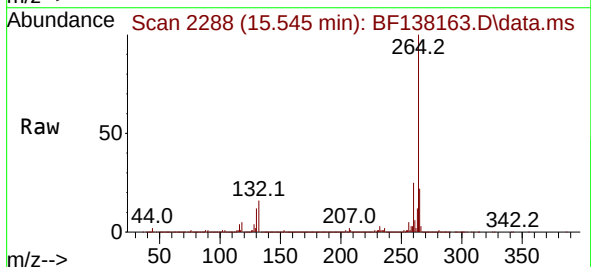
Manual Integrations
APPROVED

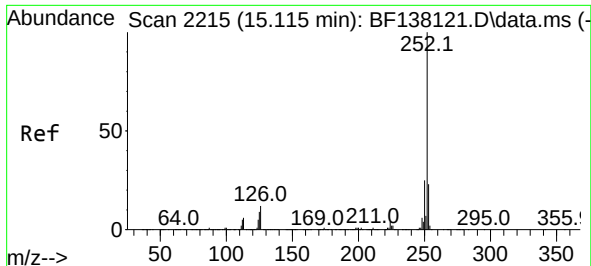
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.000 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

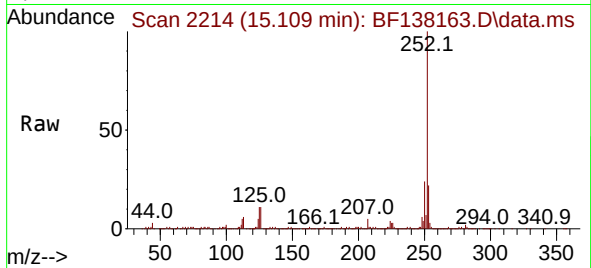
Tgt Ion:264 Resp: 626717
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.7 17.1 25.7





#88
Benzo(b)fluoranthene
Concen: 8.558 ng m
RT: 15.109 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

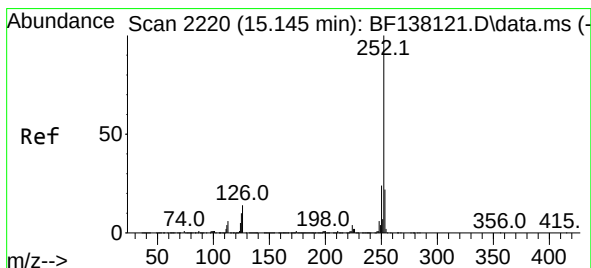
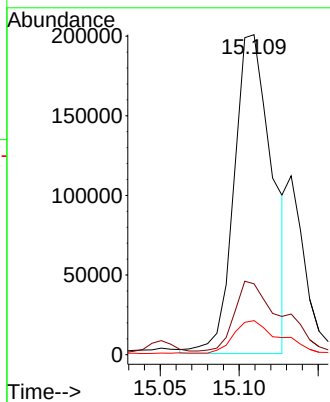
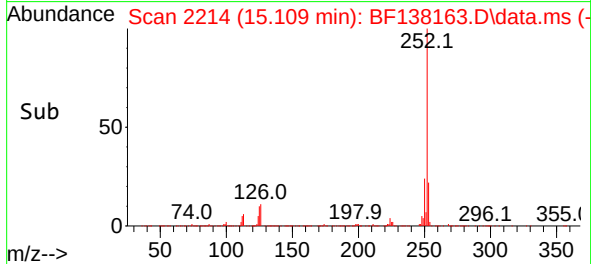
Instrument :
BNA_F
ClientSampleId :
WCS-TPU



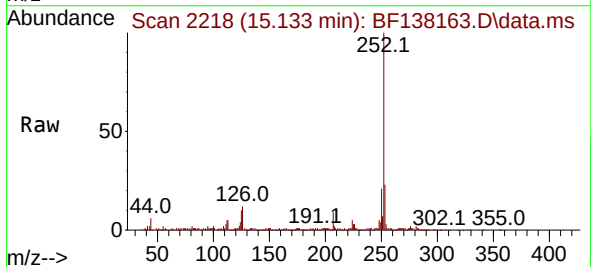
Tgt Ion:252 Resp: 33715
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 10.7 7.4 11.2

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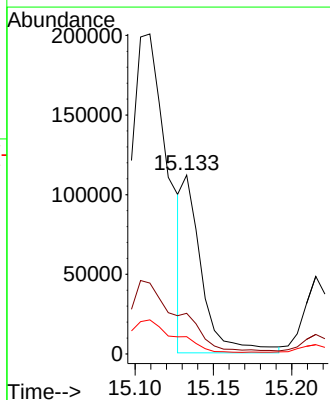
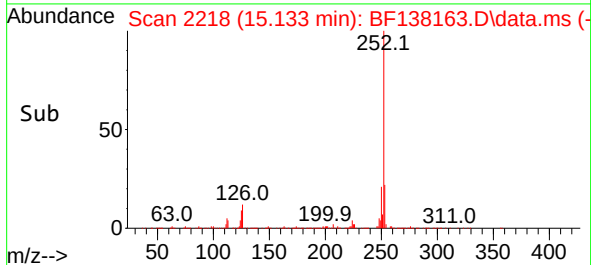
Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

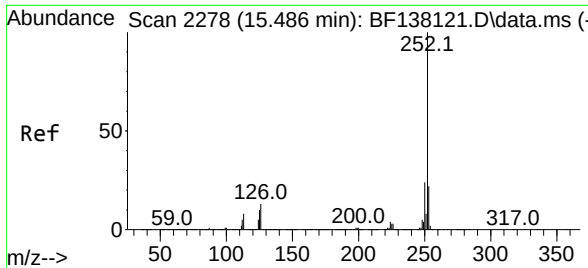


#89
Benzo(k)fluoranthene
Concen: 2.554 ng m
RT: 15.133 min Scan# 2218
Delta R.T. -0.012 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35



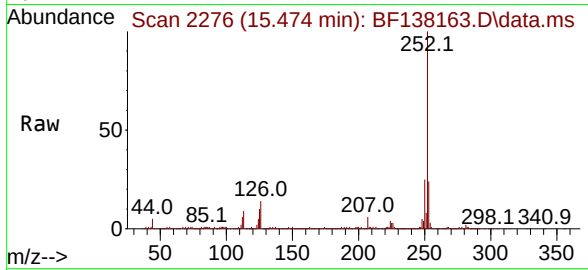
Tgt Ion:252 Resp: 95960
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 9.6 7.8 11.6





#90
Benzo(a)pyrene
Concen: 7.529 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138163.D
Acq: 07 Jun 2024 16:35

Instrument :
BNA_F
ClientSampleId :
WCS-TPU



Tgt Ion:252 Resp: 22464
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 10.4 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/08/2024
Supervised By :mohammad ahmed 06/10/2024

