

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138311.D
 Acq On : 24 Jun 2024 15:43
 Operator : CG\JU
 Sample : P2977-24
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-D6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 24 16:05:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	248036	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	938375	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	487776	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	692198	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	527893	20.000	ng	-0.01
86) Perylene-d12	15.515	264	564845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1130773	76.263	ng	0.00
7) Phenol-d6	6.510	99	1381264	73.465	ng	-0.01
23) Nitrobenzene-d5	7.445	82	824414	51.146	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	312835	64.423	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1609181	52.459	ng	-0.01
79) Terphenyl-d14	12.986	244	1376258	41.292	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.616	202	113527	3.252	ng	97
78) Pyrene	12.845	202	100002	2.196	ng	97
83) Chrysene	14.063	228	67510	2.091	ng	98
88) Benzo(b)fluoranthene	15.080	252	101529m	3.048	ng	
90) Benzo(a)pyrene	15.451	252	60978	2.131	ng	97

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

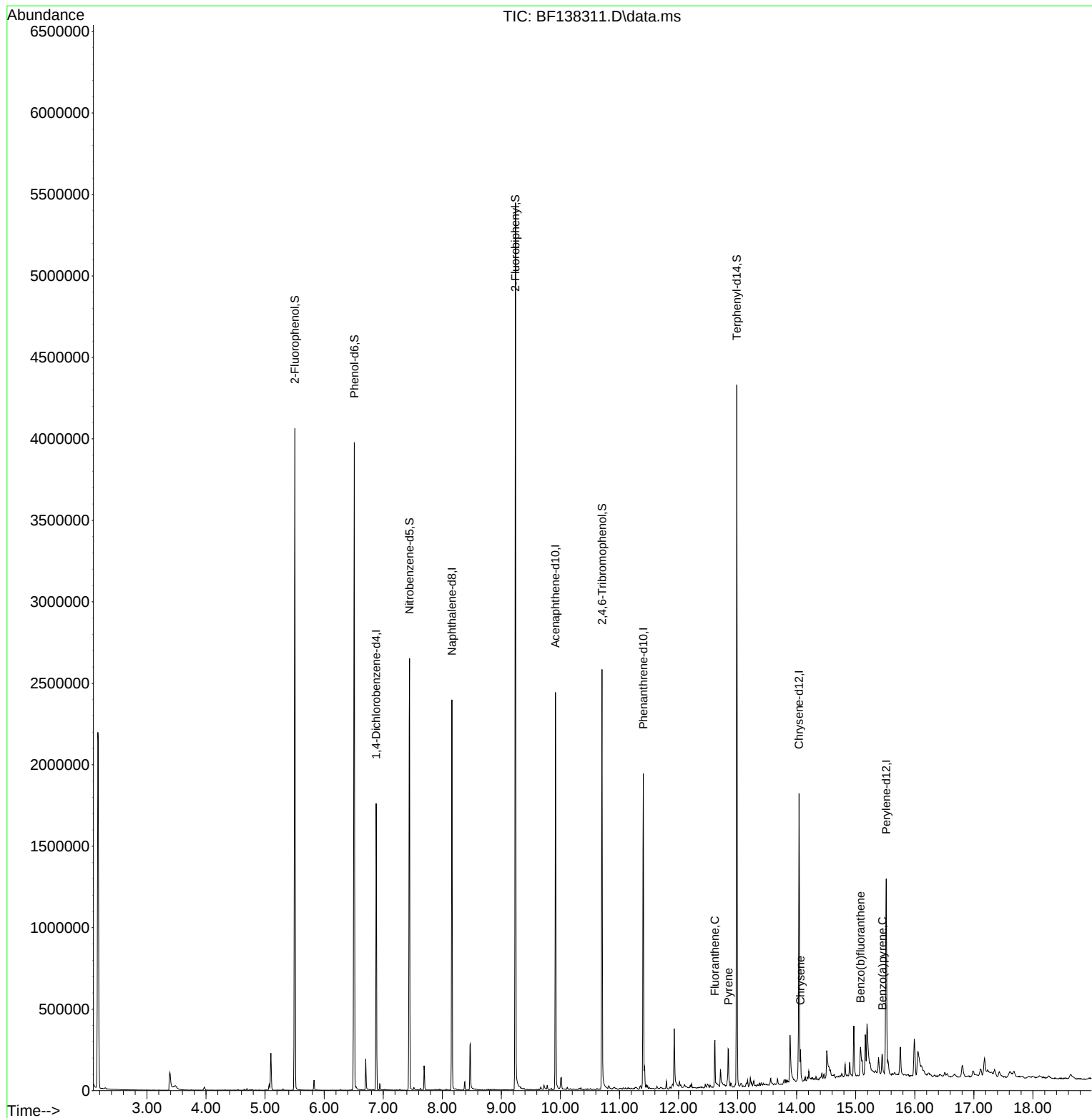
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
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Manual Integrations
APPROVED

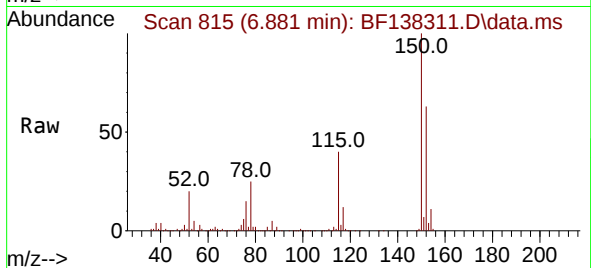
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

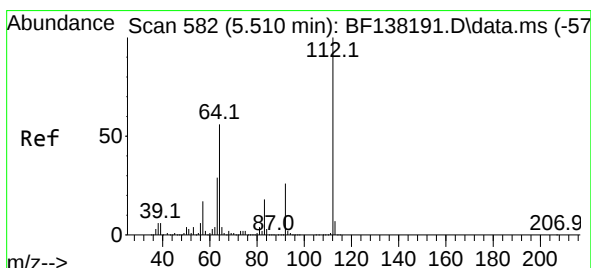
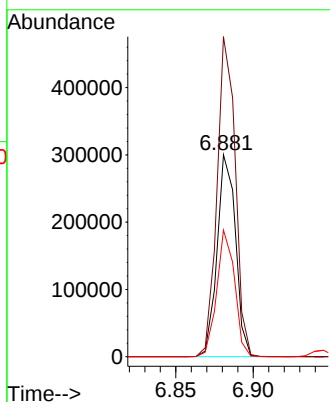
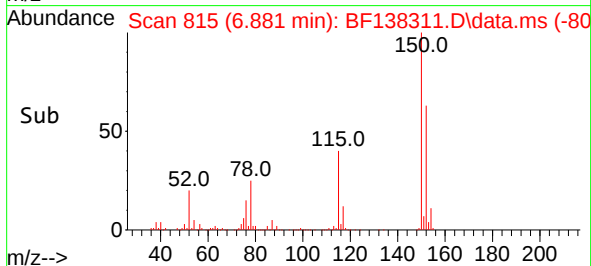
Instrument :
BNA_F
ClientSampleId :
OSTL-D6



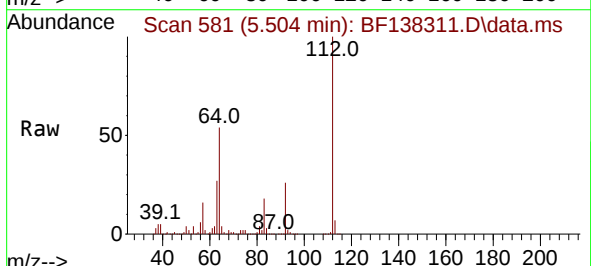
Tgt Ion:152 Resp: 248036
Ion Ratio Lower Upper
152 100
150 158.5 125.0 187.4
115 62.7 48.4 72.6

Manual Integrations
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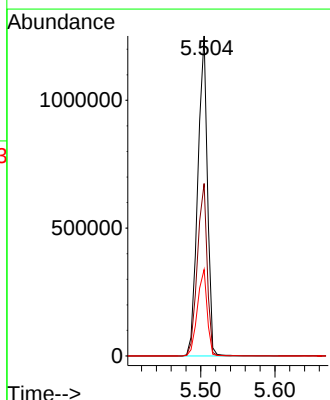
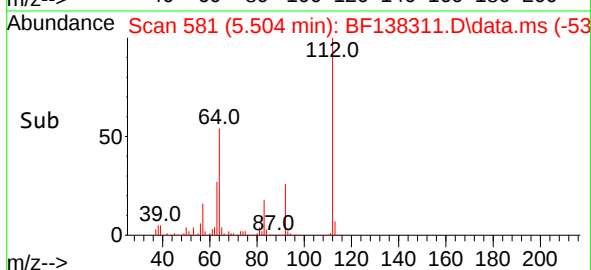
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#5
2-Fluorophenol
Concen: 76.263 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43



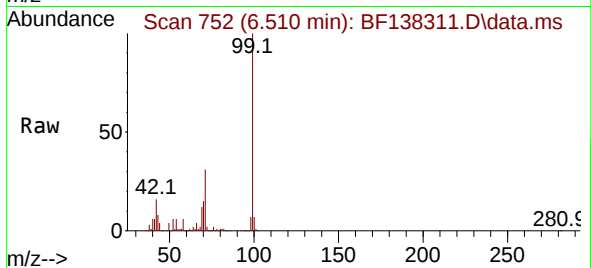
Tgt Ion:112 Resp: 1130773
Ion Ratio Lower Upper
112 100
64 53.9 45.2 67.8
63 27.0 22.9 34.3





#7
Phenol-d6
Concen: 73.465 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

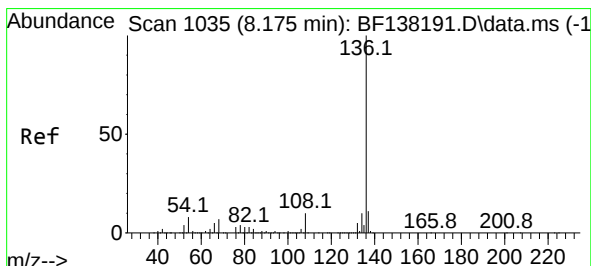
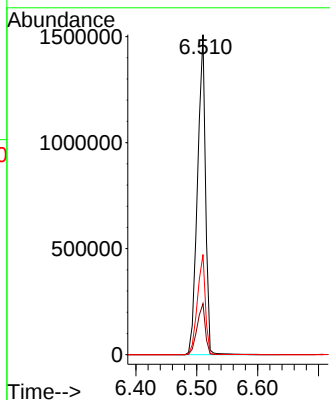
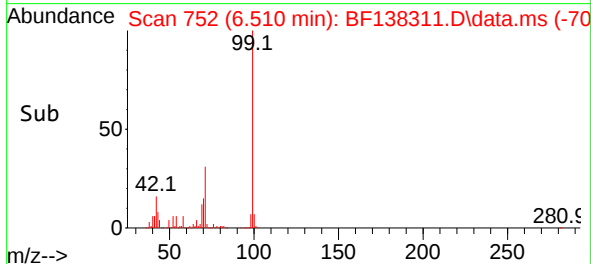
Instrument :
BNA_F
ClientSampleId :
OSTL-D6



Tgt Ion: 99 Resp: 1381264
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 31.3 25.0 37.6

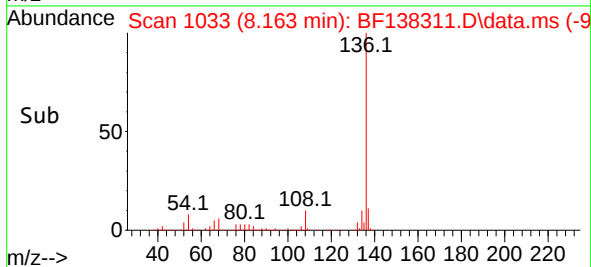
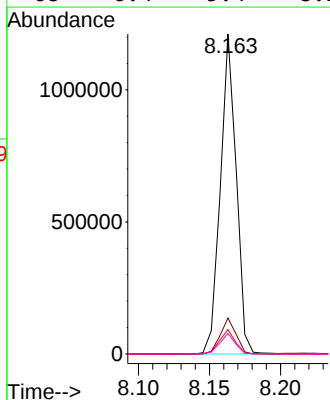
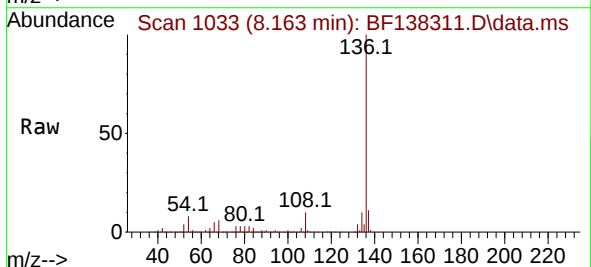
Manual Integrations
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Supervised By :mohammad ahmed 06/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

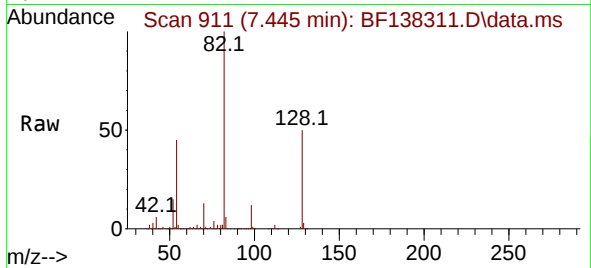
Tgt Ion:136 Resp: 938375
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.6 6.6 10.0
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 51.146 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

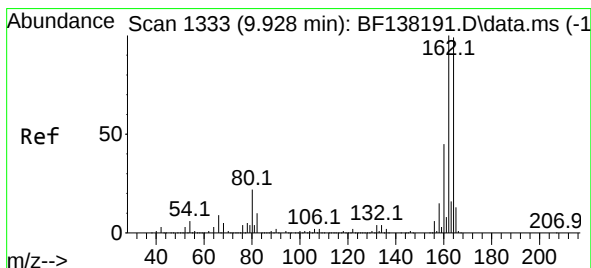
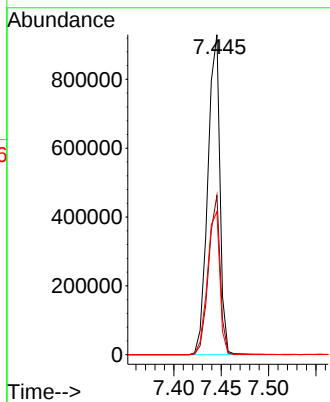
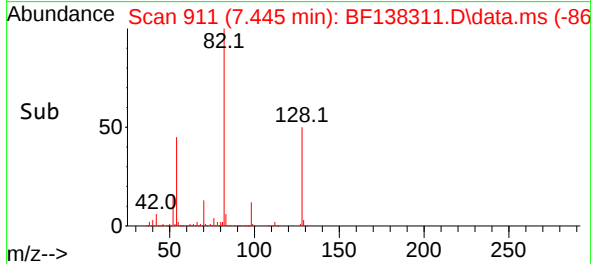
Instrument :
BNA_F
ClientSampleId :
OSTL-D6



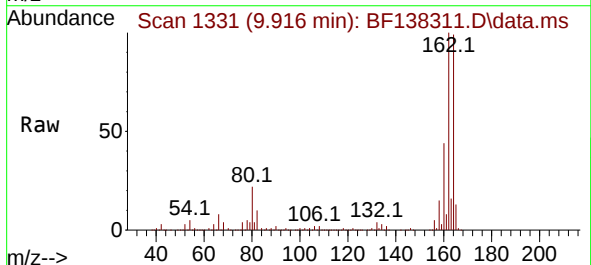
Tgt Ion: 82 Resp: 824414
Ion Ratio Lower Upper
82 100
128 49.7 37.2 55.8
54 44.7 39.8 59.6

Manual Integrations
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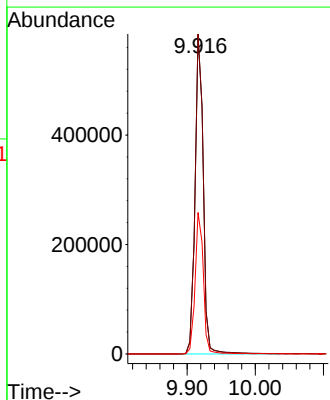
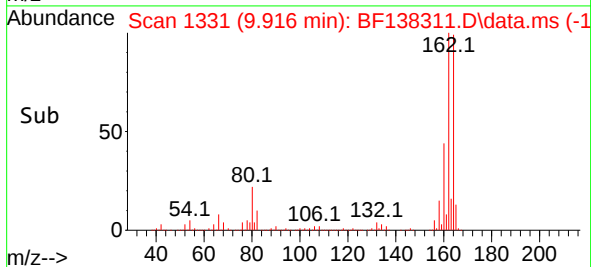
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43



Tgt Ion:164 Resp: 487776
Ion Ratio Lower Upper
164 100
162 100.5 80.6 121.0
160 44.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 64.423 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

Instrument :

BNA_F

ClientSampleId :

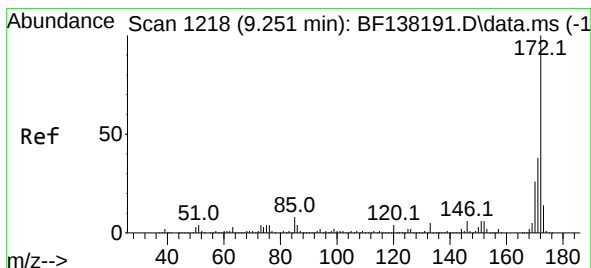
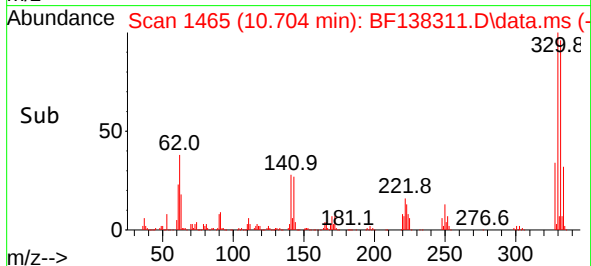
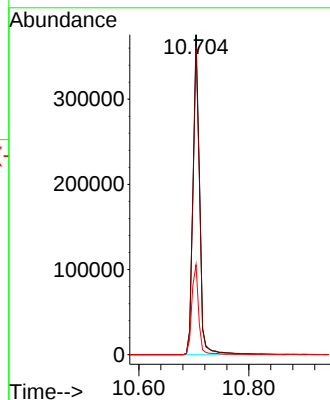
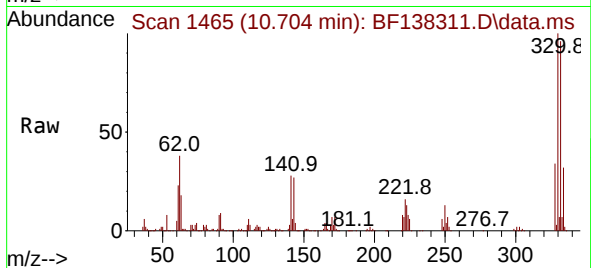
OSTL-D6

Tgt Ion:330 Resp: 312835
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 29.2 23.9 35.9

Manual Integrations

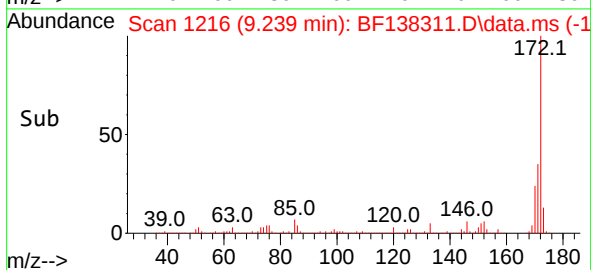
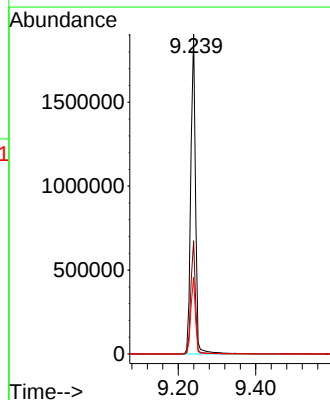
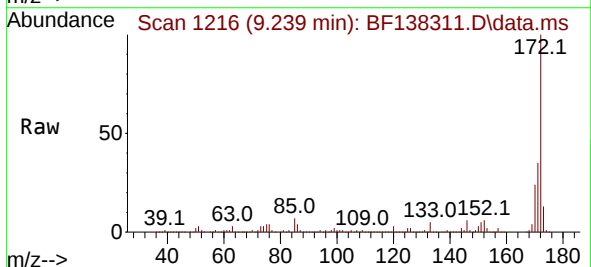
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Supervised By :mohammad ahmed 06/26/2024



#45
2-Fluorobiphenyl
Concen: 52.459 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

Tgt Ion:172 Resp: 1609181
Ion Ratio Lower Upper
172 100
171 35.4 30.3 45.5
170 23.9 20.6 30.8





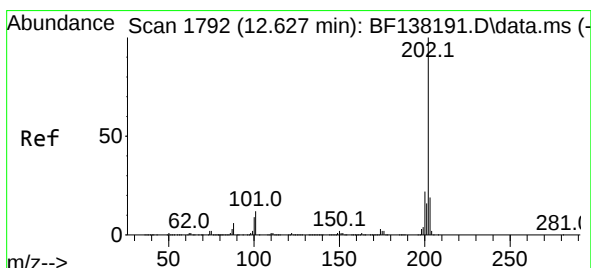
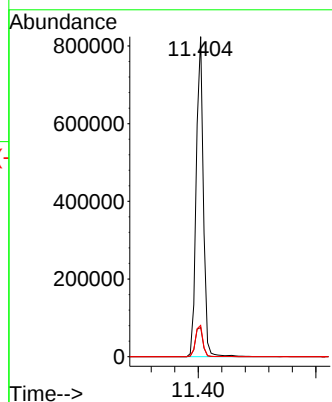
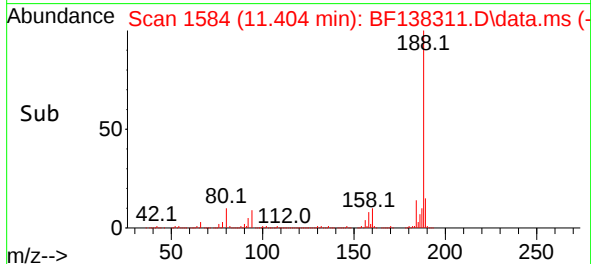
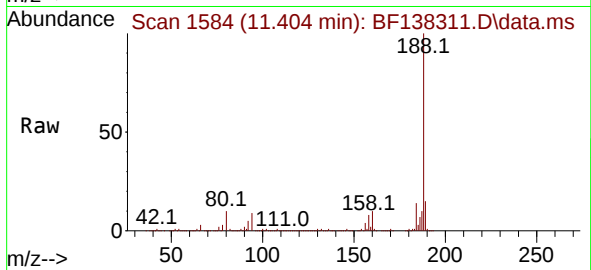
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

Instrument :
BNA_F
ClientSampleId :
OSTL-D6

Tgt Ion:188 Resp: 692198
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.8 8.1 12.1

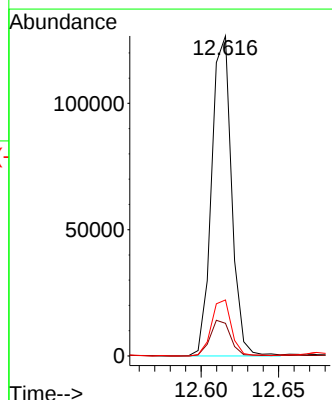
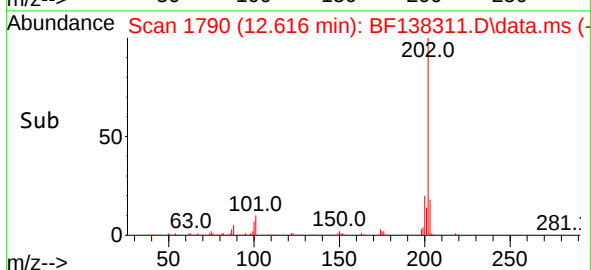
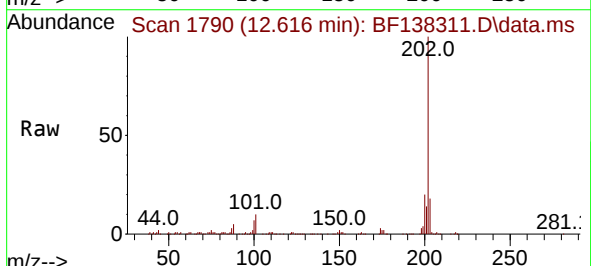
Manual Integrations
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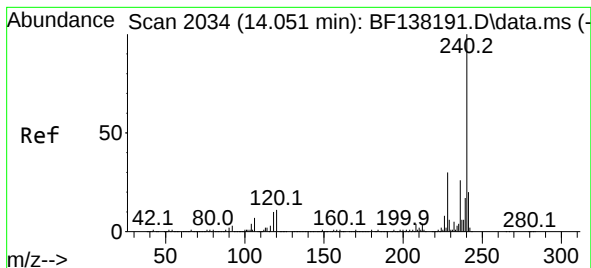
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#75
Fluoranthene
Concen: 3.252 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

Tgt Ion:202 Resp: 113527
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.8
203 17.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF138311.D

Acq: 24 Jun 2024 15:43

Instrument :

BNA_F

ClientSampleId :

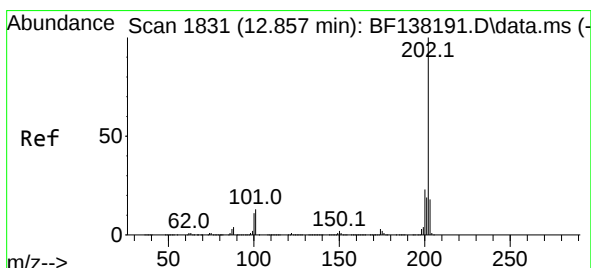
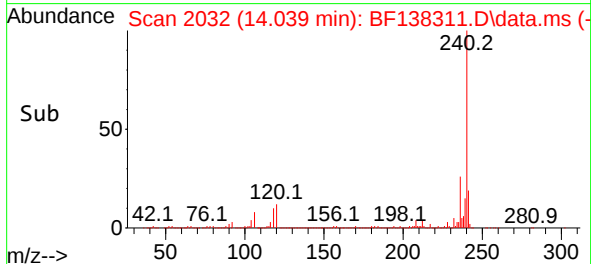
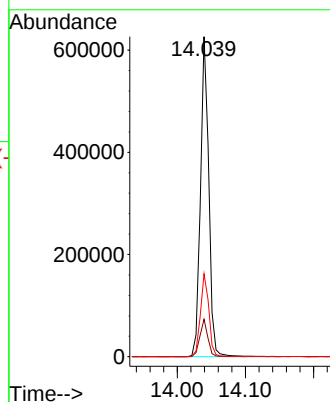
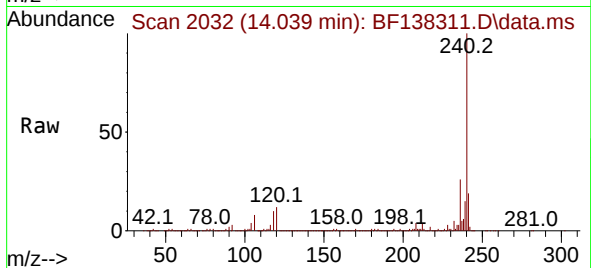
OSTL-D6

Tgt Ion:240 Resp: 52789
 Ion Ratio Lower Upper
 240 100
 120 11.7 9.2 13.8
 236 25.9 21.0 31.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024



#78

Pyrene

Concen: 2.196 ng

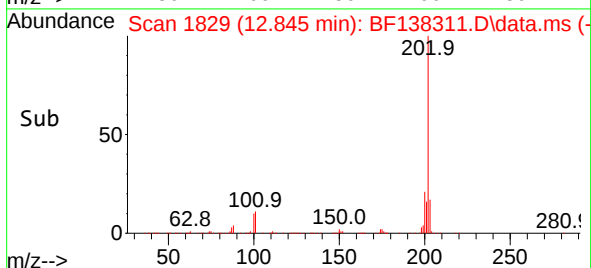
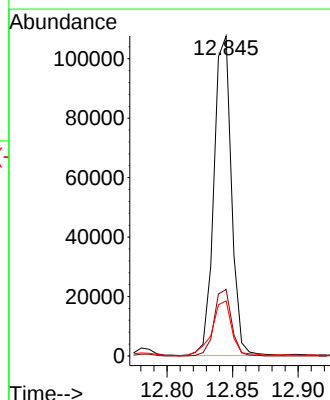
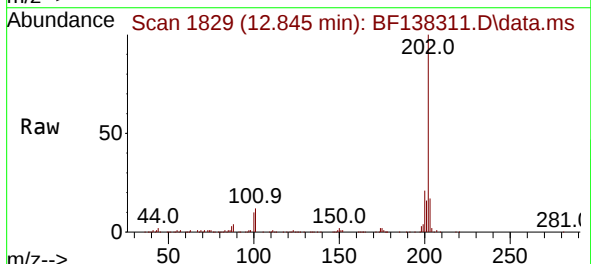
RT: 12.845 min Scan# 1829

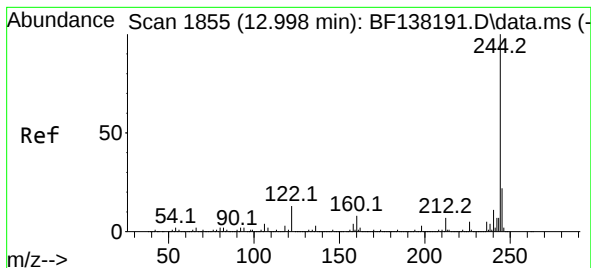
Delta R.T. -0.012 min

Lab File: BF138311.D

Acq: 24 Jun 2024 15:43

Tgt Ion:202 Resp: 100002
 Ion Ratio Lower Upper
 202 100
 200 20.8 18.0 27.0
 203 17.2 14.7 22.1





#79

Terphenyl-d14

Concen: 41.292 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138311.D

Acq: 24 Jun 2024 15:43

Instrument :

BNA_F

ClientSampleId :

OSTL-D6

Tgt Ion:244 Resp: 1376258

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

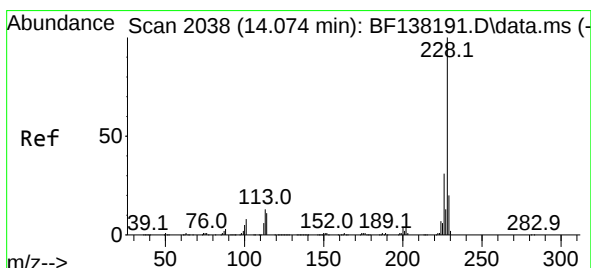
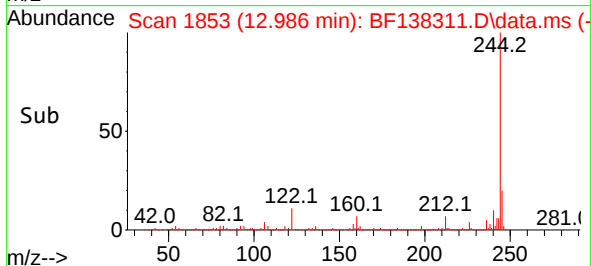
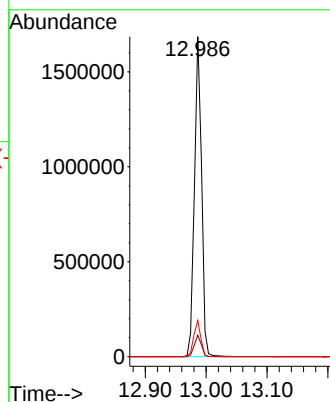
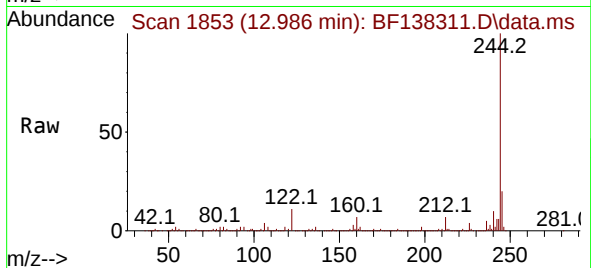
122 11.3 10.6 15.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#83

Chrysene

Concen: 2.091 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF138311.D

Acq: 24 Jun 2024 15:43

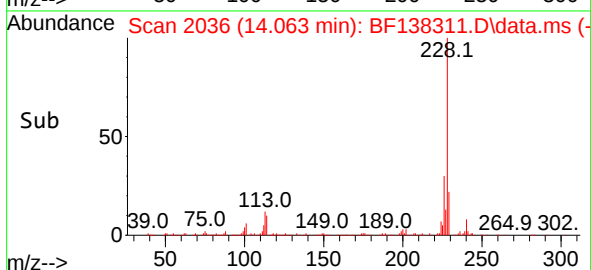
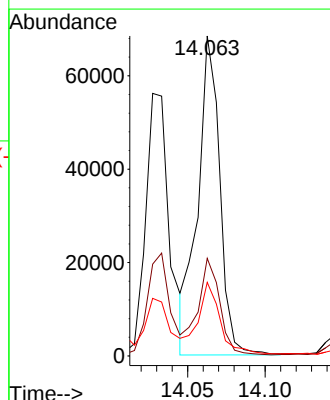
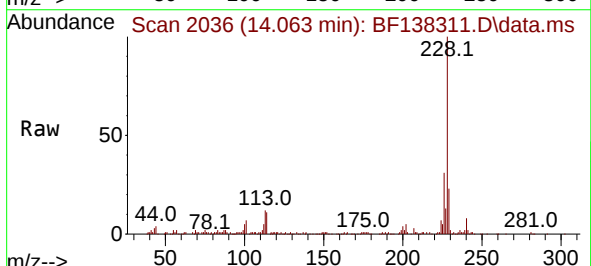
Tgt Ion:228 Resp: 67510

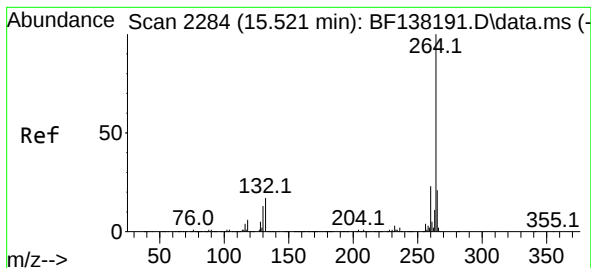
Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

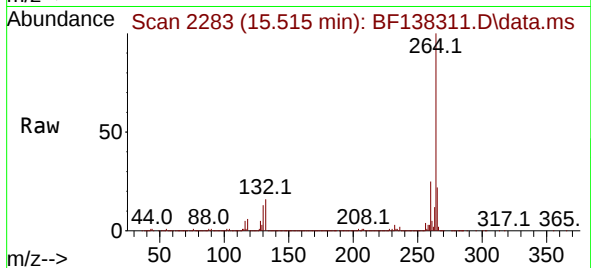
229 23.0 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

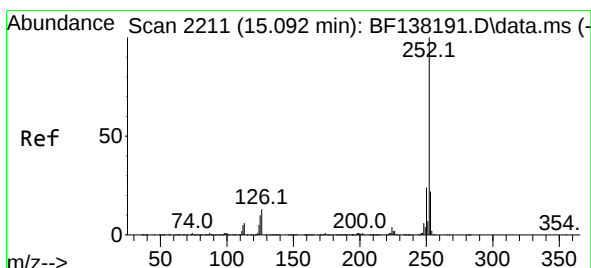
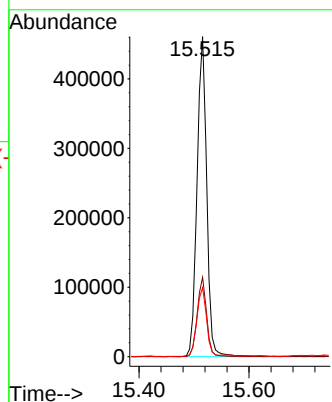
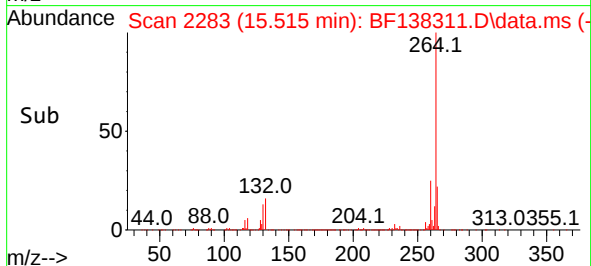
Instrument :
BNA_F
ClientSampleId :
OSTL-D6



Tgt Ion:264 Resp: 56484
Ion Ratio Lower Upper
264 100
260 24.8 18.7 28.1
265 21.6 17.0 25.6

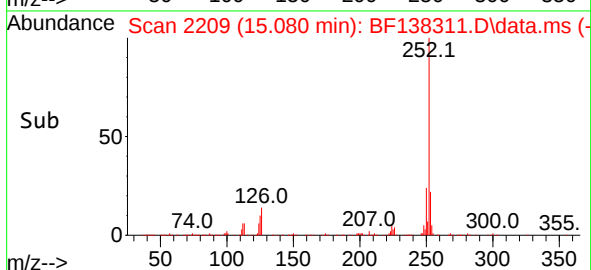
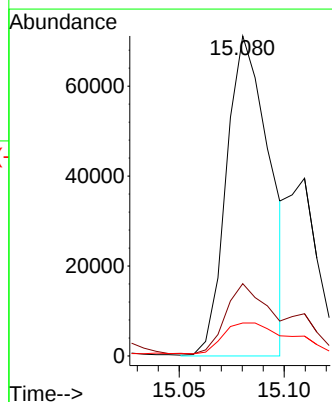
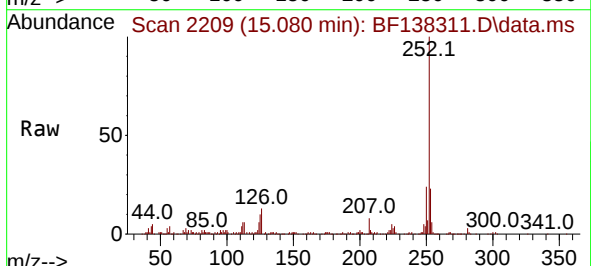
Manual Integrations
APPROVED

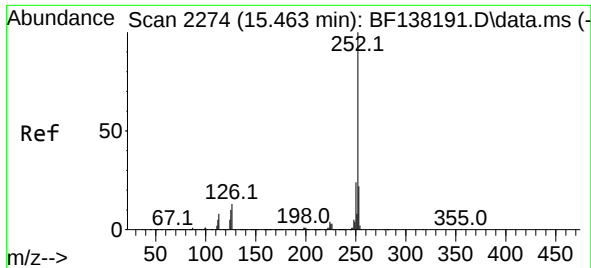
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#88
Benzo(b)fluoranthene
Concen: 3.048 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

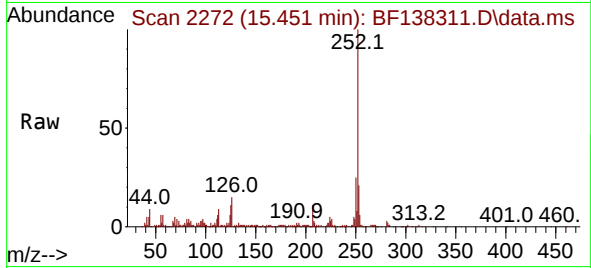
Tgt Ion:252 Resp: 101529
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 10.3 7.8 11.8





#90
Benzo(a)pyrene
Concen: 2.131 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138311.D
Acq: 24 Jun 2024 15:43

Instrument :
BNA_F
ClientSampleId :
OSTL-D6



Tgt Ion:252 Resp: 60978
Ion Ratio Lower Upper
252 100
253 20.9 17.7 26.5
125 11.4 8.2 12.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

