

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143136.D
 Acq On : 17 Jul 2025 05:00
 Operator : RC/JU
 Sample : Q2558-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

Manual Integrations
 APPROVED

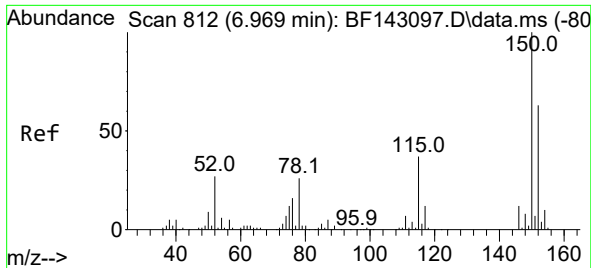
Reviewed By :Rahul Chavli 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025

Quant Time: Jul 17 05:17:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

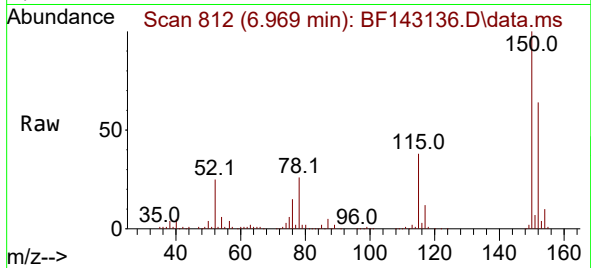
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	142532	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	490921	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	206095	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	317891	20.000	ng	0.00
76) Chrysene-d12	14.127	240	291247	20.000	ng	0.00
86) Perylene-d12	15.639	264	224121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	622688	69.024	ng	0.00
7) Phenol-d6	6.581	99	799908	70.539	ng	0.00
23) Nitrobenzene-d5	7.522	82	494539	56.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	121703	66.228	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	769826	49.653	ng	0.00
79) Terphenyl-d14	13.075	244	652972	32.774	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.916	122	5024	7.631	ng	89
75) Fluoranthene	12.698	202	98156	6.292	ng	100
78) Pyrene	12.928	202	89660	3.318	ng	98
81) Benzo(a)anthracene	14.116	228	48640	2.506	ng	# 93
83) Chrysene	14.151	228	47737	2.671	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.110	149	31813	7.020	ng	94
88) Benzo(b)fluoranthene	15.192	252	48558m	3.756	ng	
90) Benzo(a)pyrene	15.569	252	31369	2.566	ng	# 87

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

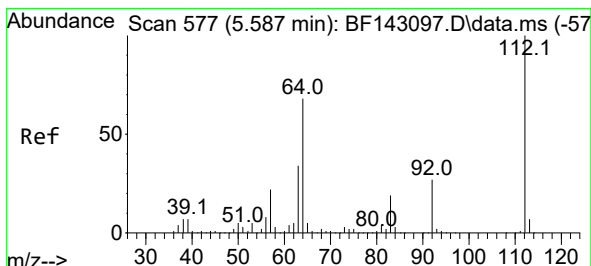
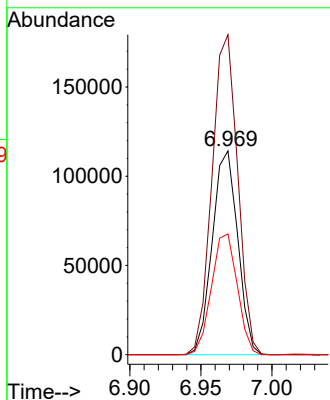
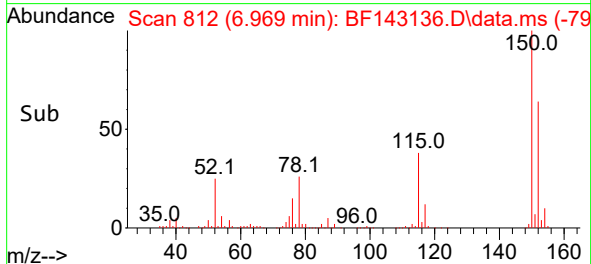
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



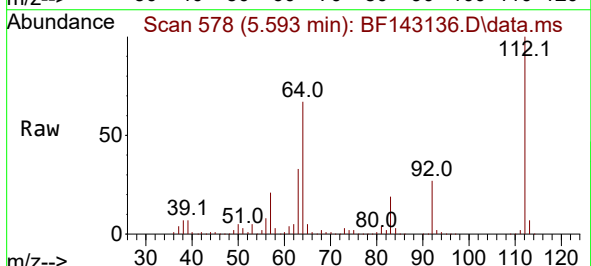
Tgt Ion:152 Resp: 142532
Ion Ratio Lower Upper
152 100
150 157.0 126.5 189.7
115 59.3 47.0 70.6

Manual Integrations
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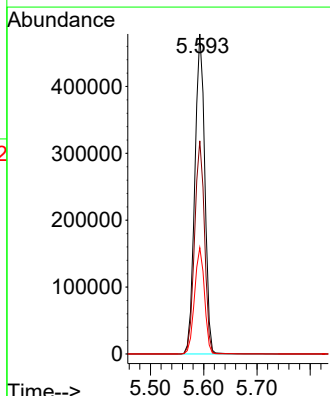
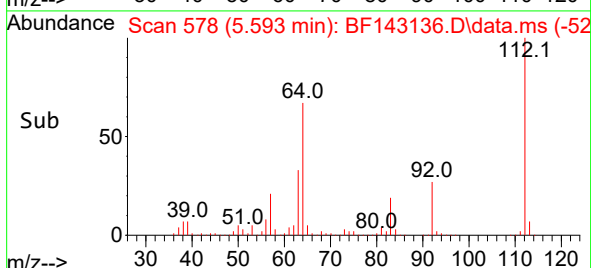
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

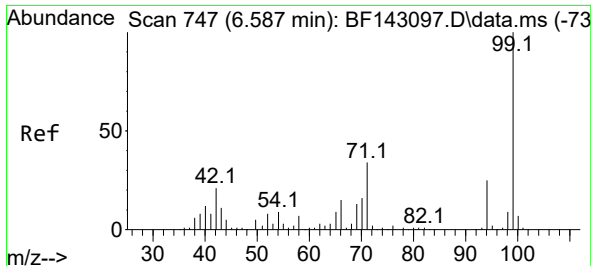


#5
2-Fluorophenol
Concen: 69.024 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00



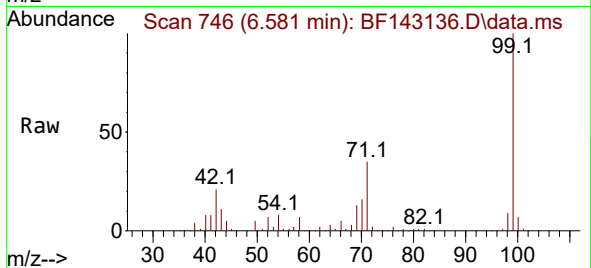
Tgt Ion:112 Resp: 622688
Ion Ratio Lower Upper
112 100
64 66.6 54.6 82.0
63 33.2 27.3 40.9





#7
Phenol-d6
Concen: 70.539 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

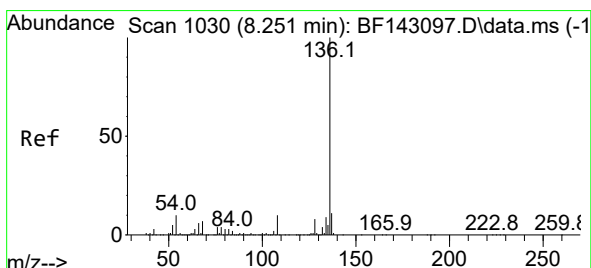
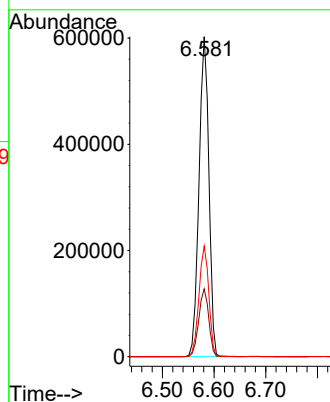
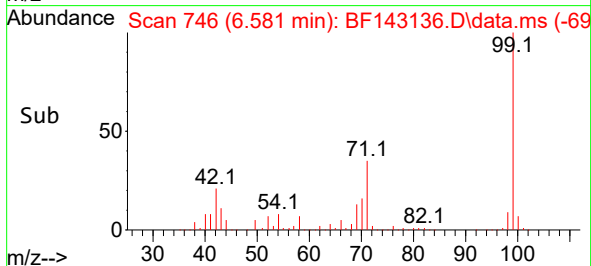
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



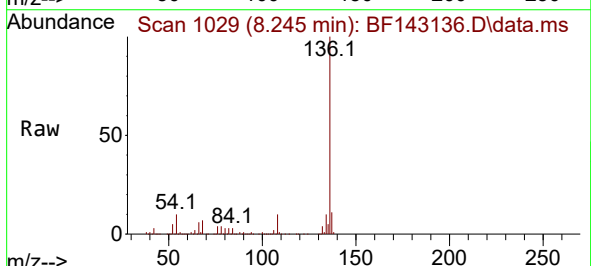
Tgt Ion: 99 Resp: 799908
Ion Ratio Lower Upper
99 100
42 21.2 17.2 25.8
71 34.6 27.4 41.0

Manual Integrations
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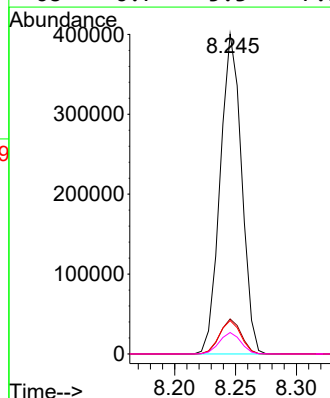
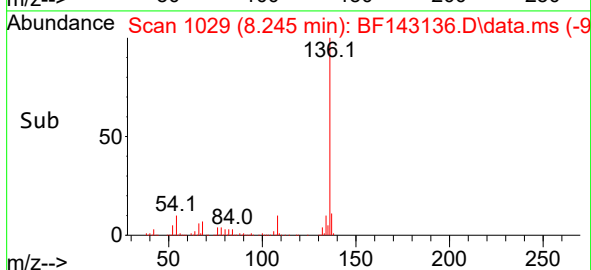
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

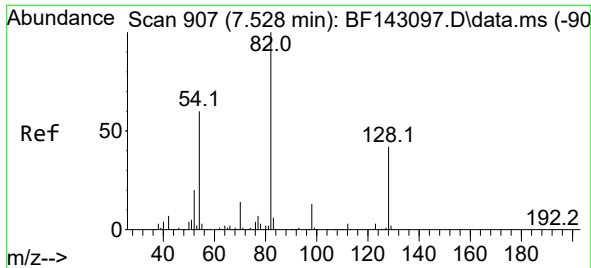


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00



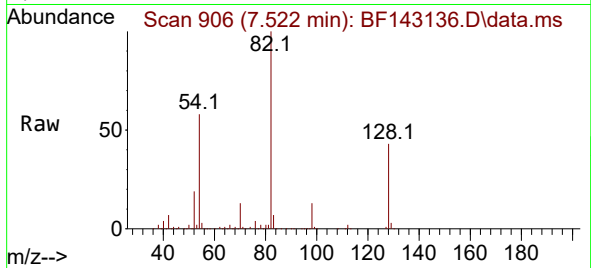
Tgt Ion:136 Resp: 490921
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.5 8.3 12.5
68 6.7 5.3 7.9





#23
Nitrobenzene-d5
Concen: 56.512 ng
RT: 7.522 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

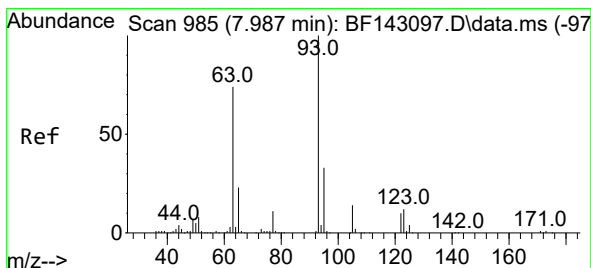
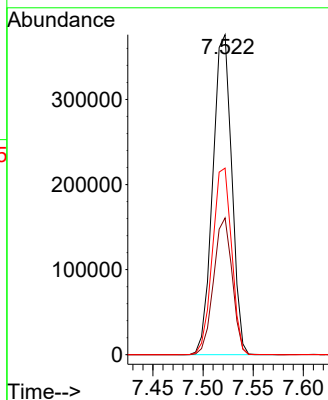
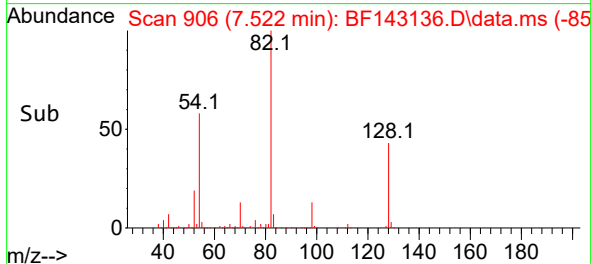
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



Tgt Ion: 82 Resp: 494539
Ion Ratio Lower Upper
82 100
128 42.8 33.3 49.9
54 58.3 47.4 71.2

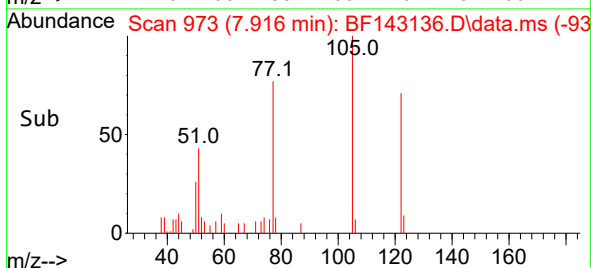
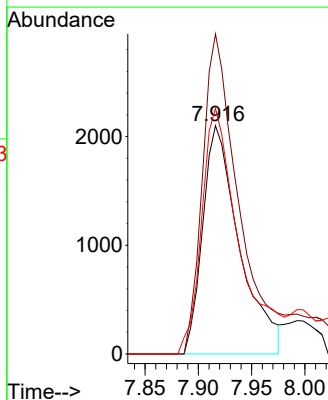
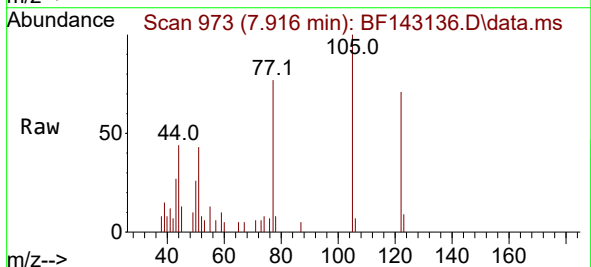
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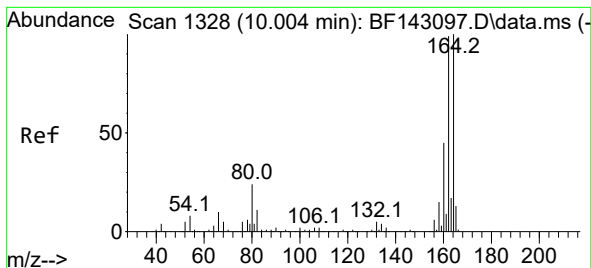
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#32
Benzoic acid
Concen: 7.631 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.071 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:122 Resp: 5024
Ion Ratio Lower Upper
122 100
105 140.1 105.4 145.4
77 107.7 78.6 118.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143136.D

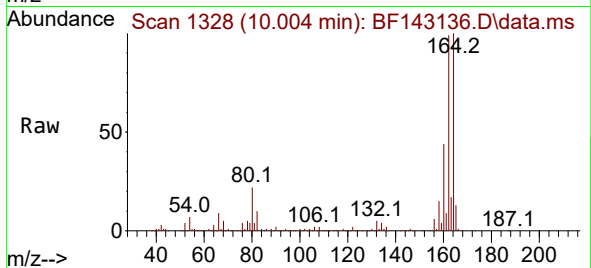
Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925



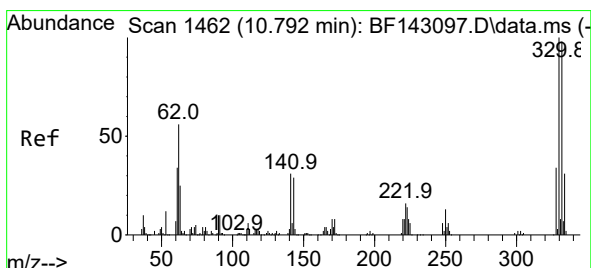
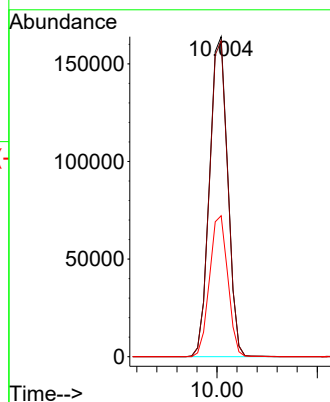
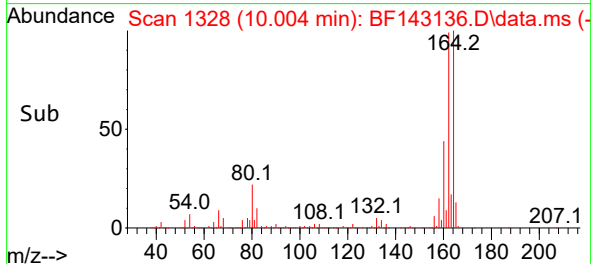
Tgt Ion:	164	162	160
Ratio	100	98.8	44.0
Lower		79.0	35.8
Upper		118.6	53.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/17/2025



#42

2,4,6-Tribromophenol

Concen: 66.228 ng

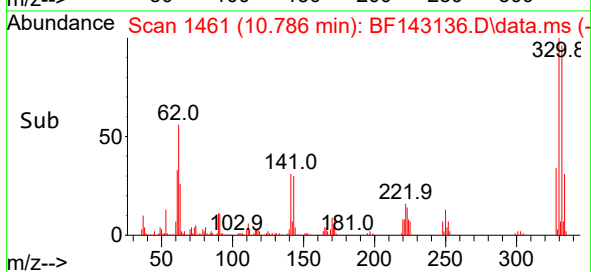
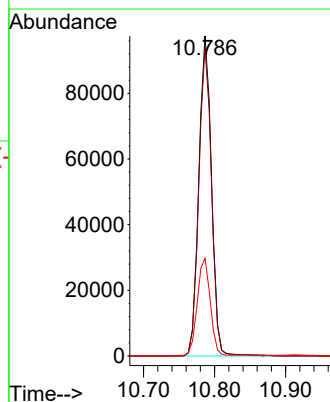
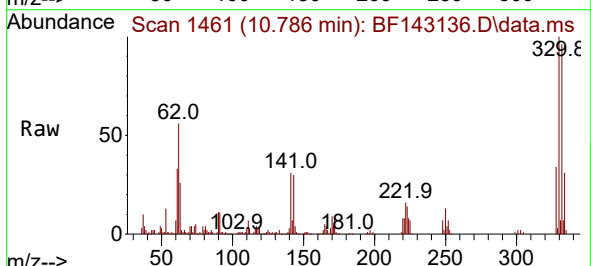
RT: 10.786 min Scan# 1461

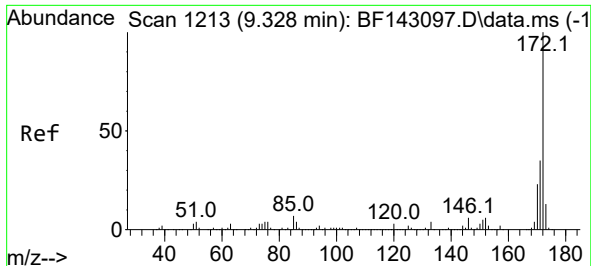
Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

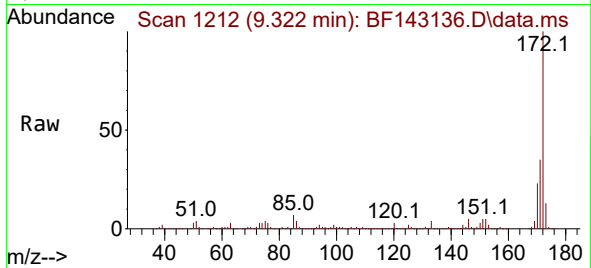
Tgt Ion:	330	332	141
Ratio	100	96.1	31.4
Lower		77.9	25.9
Upper		116.9	38.9





#45
2-Fluorobiphenyl
Concen: 49.653 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

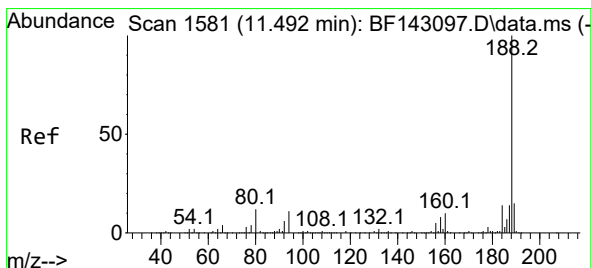
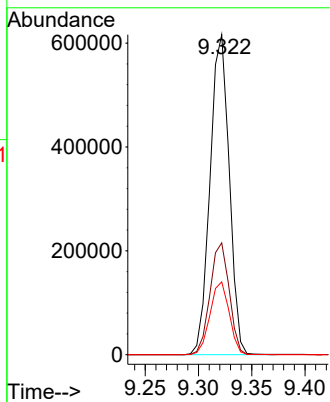
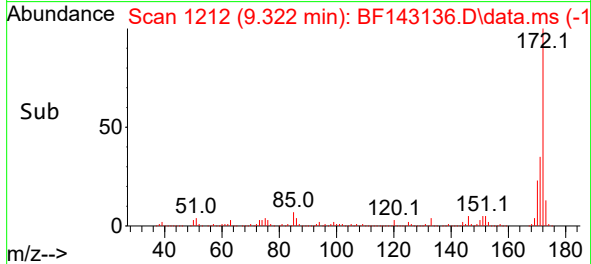
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



Tgt Ion:172 Resp: 769820
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.7 18.6 28.0

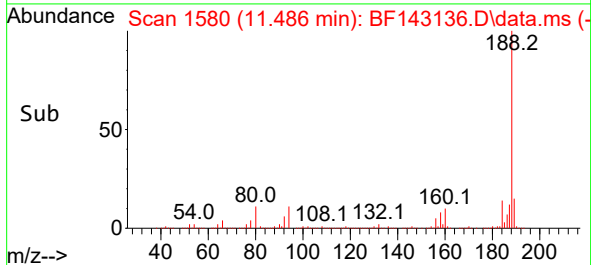
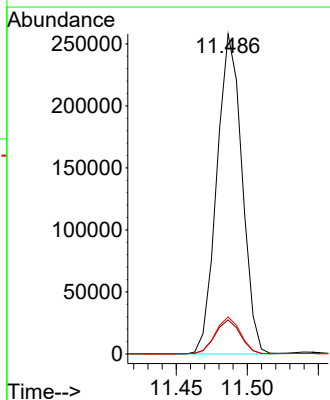
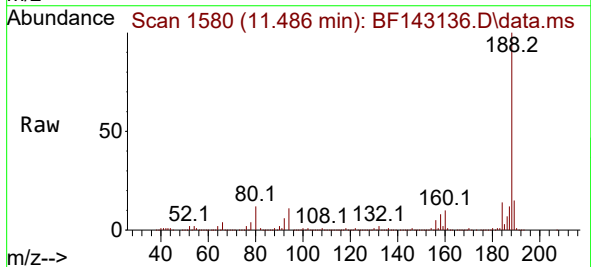
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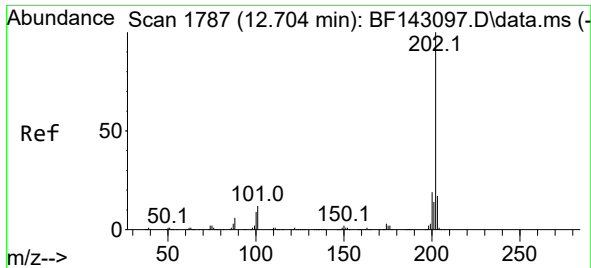
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:188 Resp: 317891
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.5 9.3 13.9





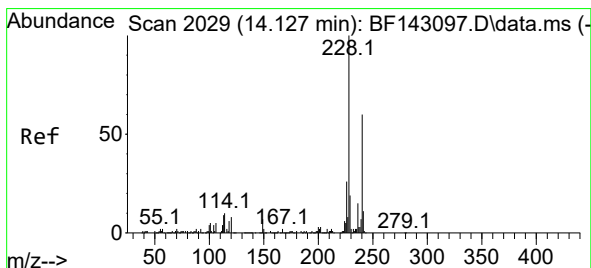
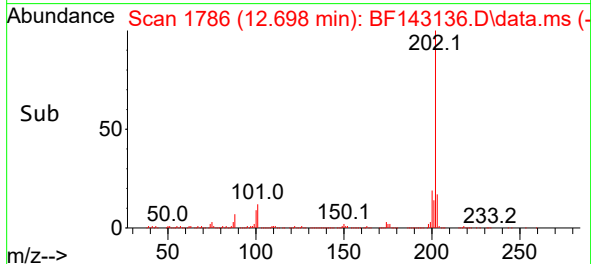
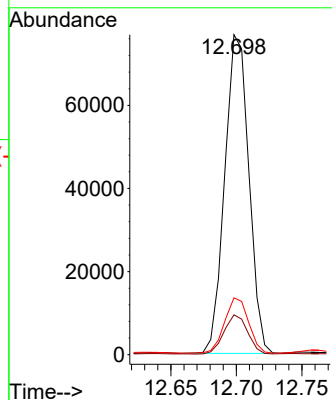
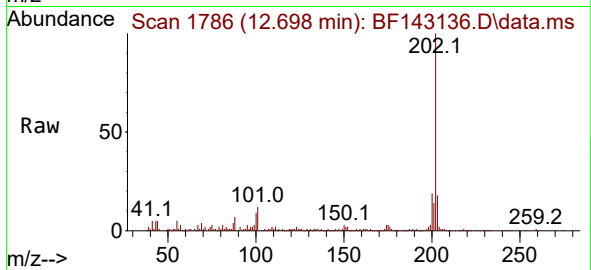
#75
Fluoranthene
Concen: 6.292 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:202 Resp: 98150
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.4
203 17.7 0.0 37.4

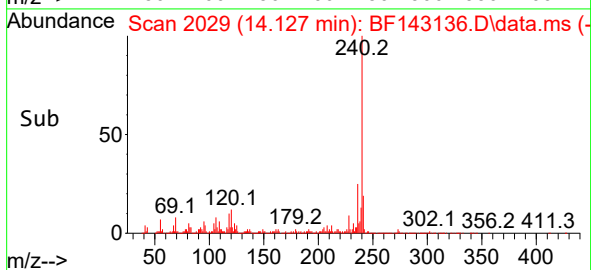
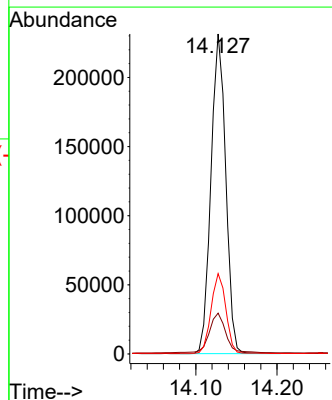
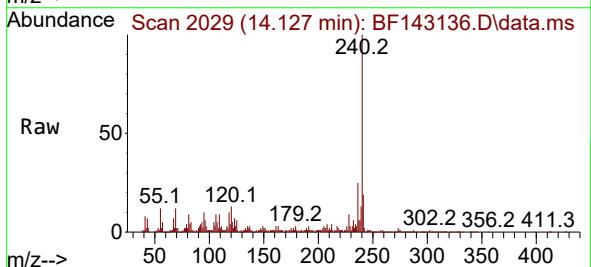
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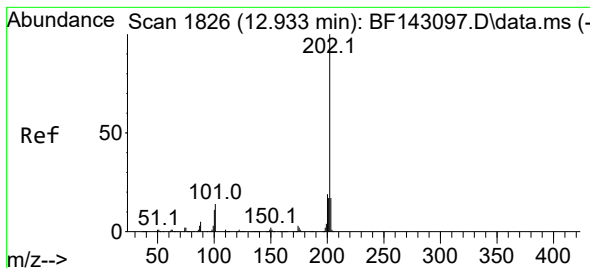
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:240 Resp: 291247
Ion Ratio Lower Upper
240 100
120 12.7 10.0 15.0
236 25.1 20.0 30.0





#78

Pyrene

Concen: 3.318 ng

RT: 12.928 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

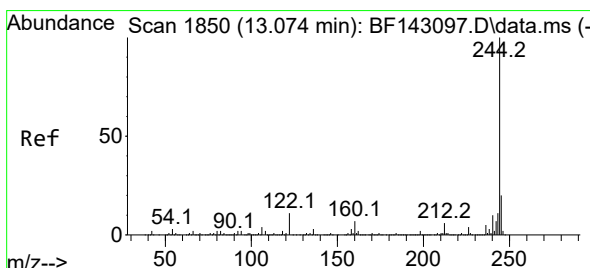
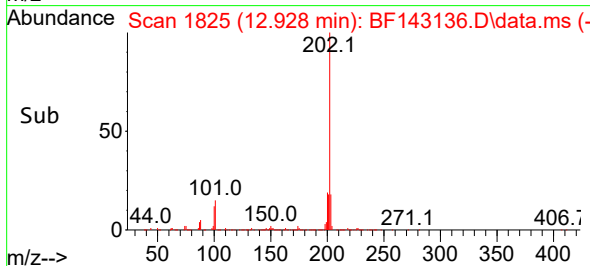
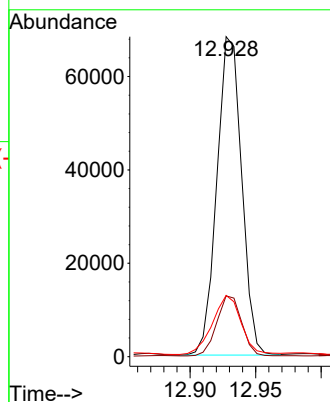
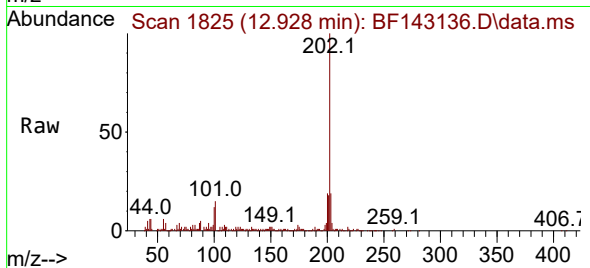
Tgt Ion:	202	Resp:	89660
Ion Ratio	Lower	Upper	
202	100		
200	19.0	15.5	23.3
203	19.2	14.0	21.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#79

Terphenyl-d14

Concen: 32.774 ng

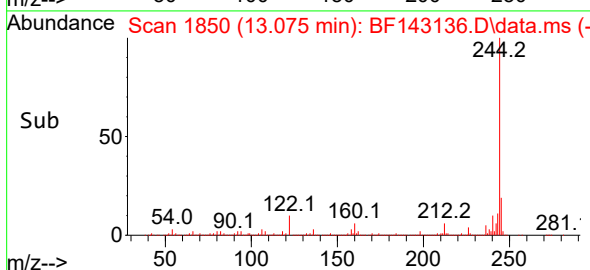
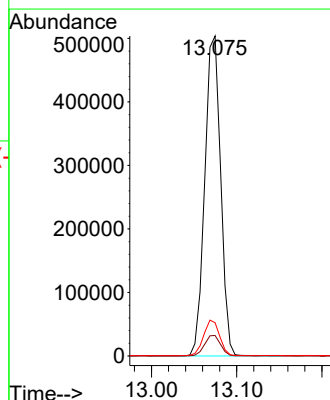
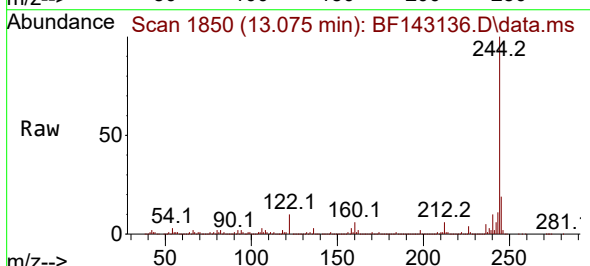
RT: 13.075 min Scan# 1850

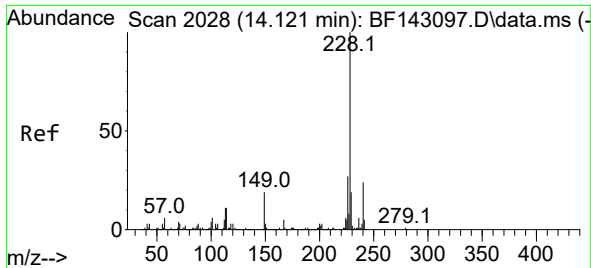
Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Tgt Ion:	244	Resp:	652972
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.2	7.8
122	10.4	8.8	13.2





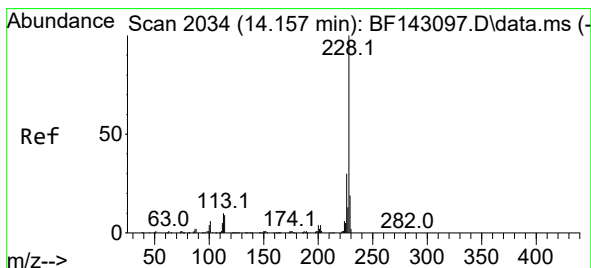
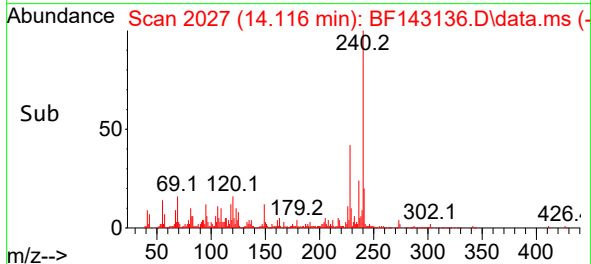
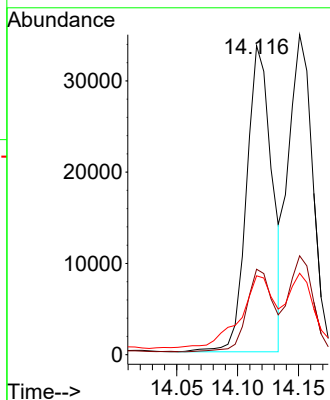
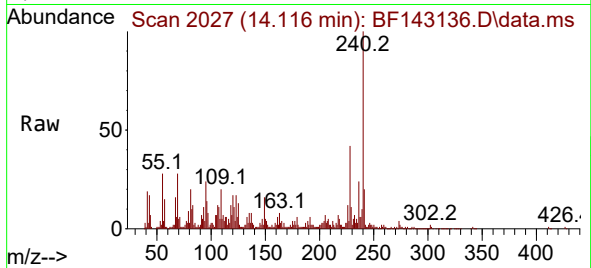
#81
Benzo(a)anthracene
Concen: 2.506 ng
RT: 14.116 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:228 Resp: 48640
Ion Ratio Lower Upper
228 100
226 27.7 21.3 31.9
229 25.5 15.5 23.3

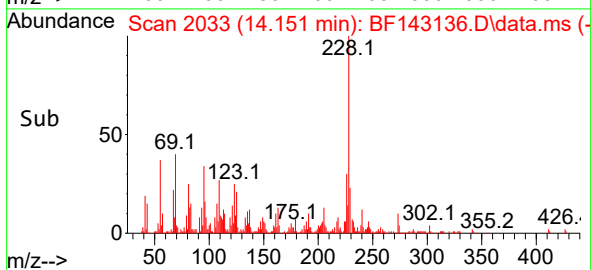
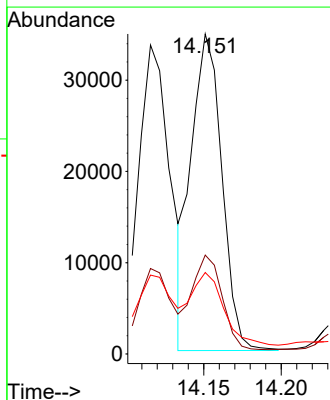
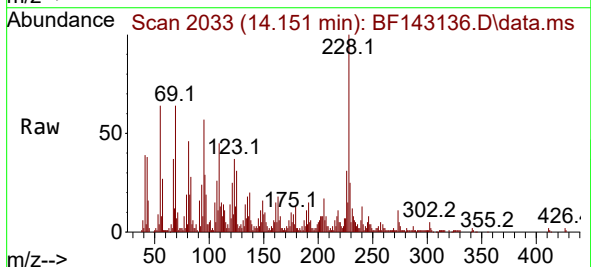
Manual Integrations
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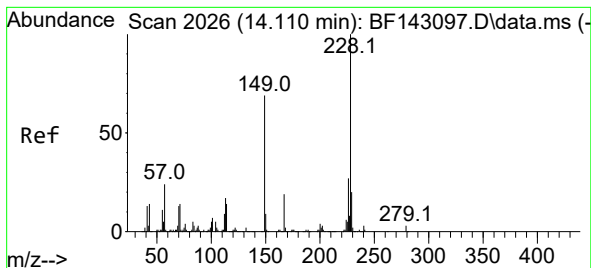
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#83
Chrysene
Concen: 2.671 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:228 Resp: 47737
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 25.5 15.3 22.9





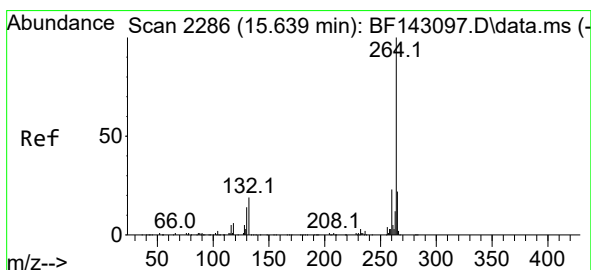
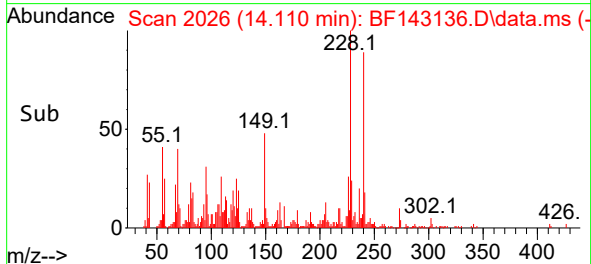
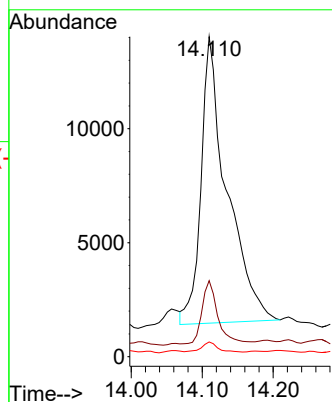
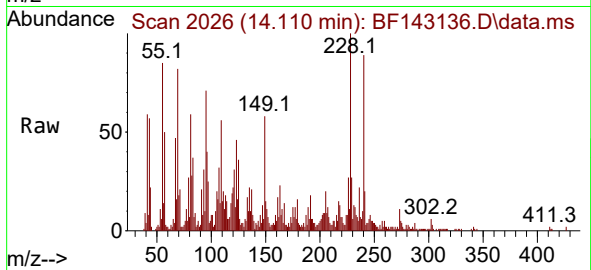
#84
Bis(2-ethylhexyl)phthalate
Concen: 7.020 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

Tgt Ion:149 Resp: 3181
Ion Ratio Lower Upper
149 100
167 23.8 21.9 32.9
279 4.6 3.4 5.0

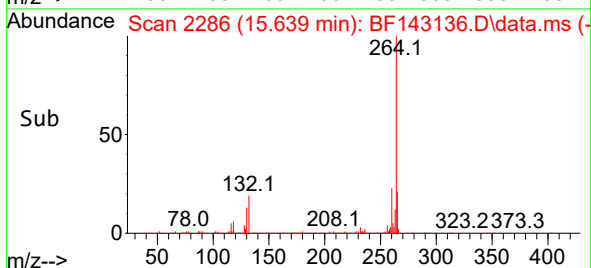
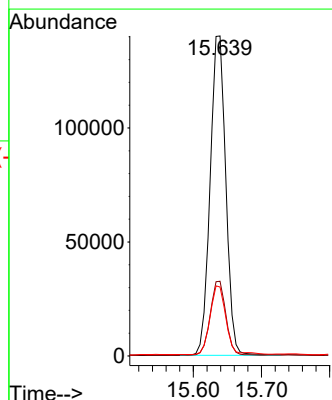
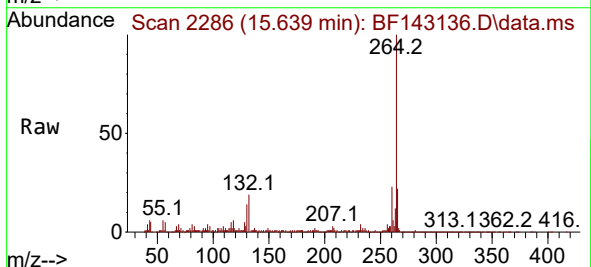
Manual Integrations
APPROVED

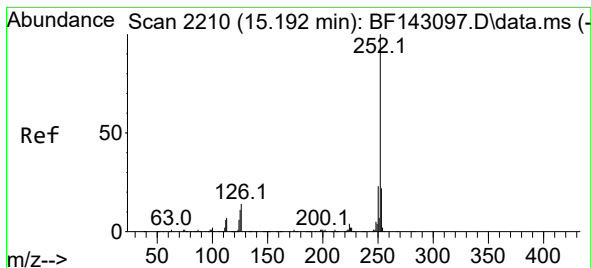
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:264 Resp: 224121
Ion Ratio Lower Upper
264 100
260 23.3 18.5 27.7
265 21.5 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.756 ng m

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

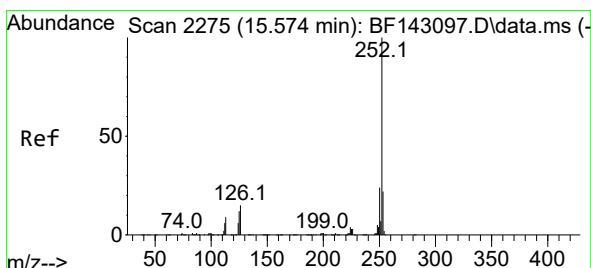
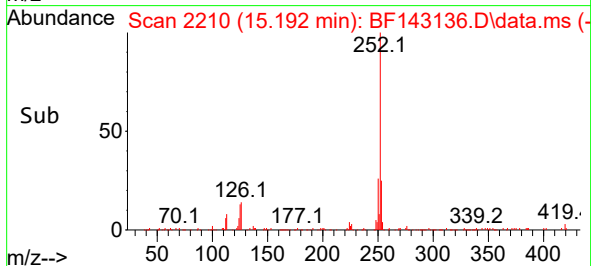
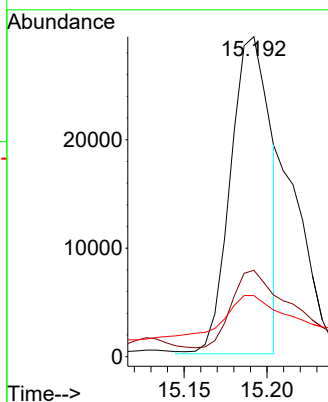
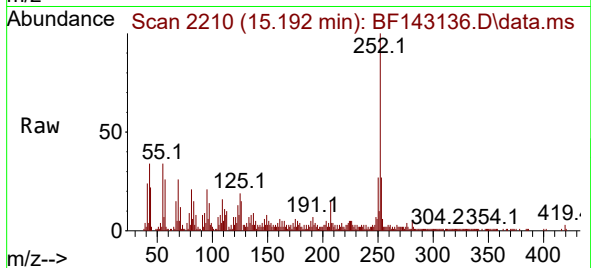
Tgt Ion:252 Resp: 48558
 Ion Ratio Lower Upper
 252 100
 253 27.0 17.5 26.3#
 125 19.1 8.6 13.0#

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#90

Benzo(a)pyrene

Concen: 2.566 ng

RT: 15.569 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Tgt Ion:252 Resp: 31369
 Ion Ratio Lower Upper
 252 100
 253 26.7 17.5 26.3#
 125 18.4 9.4 14.0#

