

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143238.D
 Acq On : 24 Jul 2025 17:26
 Operator : RC/JU
 Sample : Q2676-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-07222025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/25/2025
 Supervised By :Jagrut Upadhyay 07/25/2025

Quant Time: Jul 24 17:58:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	82339	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	284241	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	131218	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	245094	20.000	ng	0.00
76) Chrysene-d12	14.121	240	251186	20.000	ng	0.00
86) Perylene-d12	15.627	264	166923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	195620	37.596	ng	0.00
7) Phenol-d6	6.581	99	236174	36.061	ng	0.00
23) Nitrobenzene-d5	7.510	82	147249	25.823	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	55800	41.164	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	276643	28.833	ng	-0.01
79) Terphenyl-d14	13.063	244	342745	20.305	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.692	202	114776	9.609	ng	100
78) Pyrene	12.921	202	107835	5.030	ng	98
81) Benzo(a)anthracene	14.110	228	65747	3.910	ng	99
83) Chrysene	14.145	228	51818m	3.427	ng	
88) Benzo(b)fluoranthene	15.180	252	62440m	6.123	ng	
89) Benzo(k)fluoranthene	15.198	252	19262m	2.117	ng	
90) Benzo(a)pyrene	15.557	252	38403	4.087	ng	# 91
92) Benzo(g,h,i)perylene	17.615	276	19419	2.095	ng	# 88

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

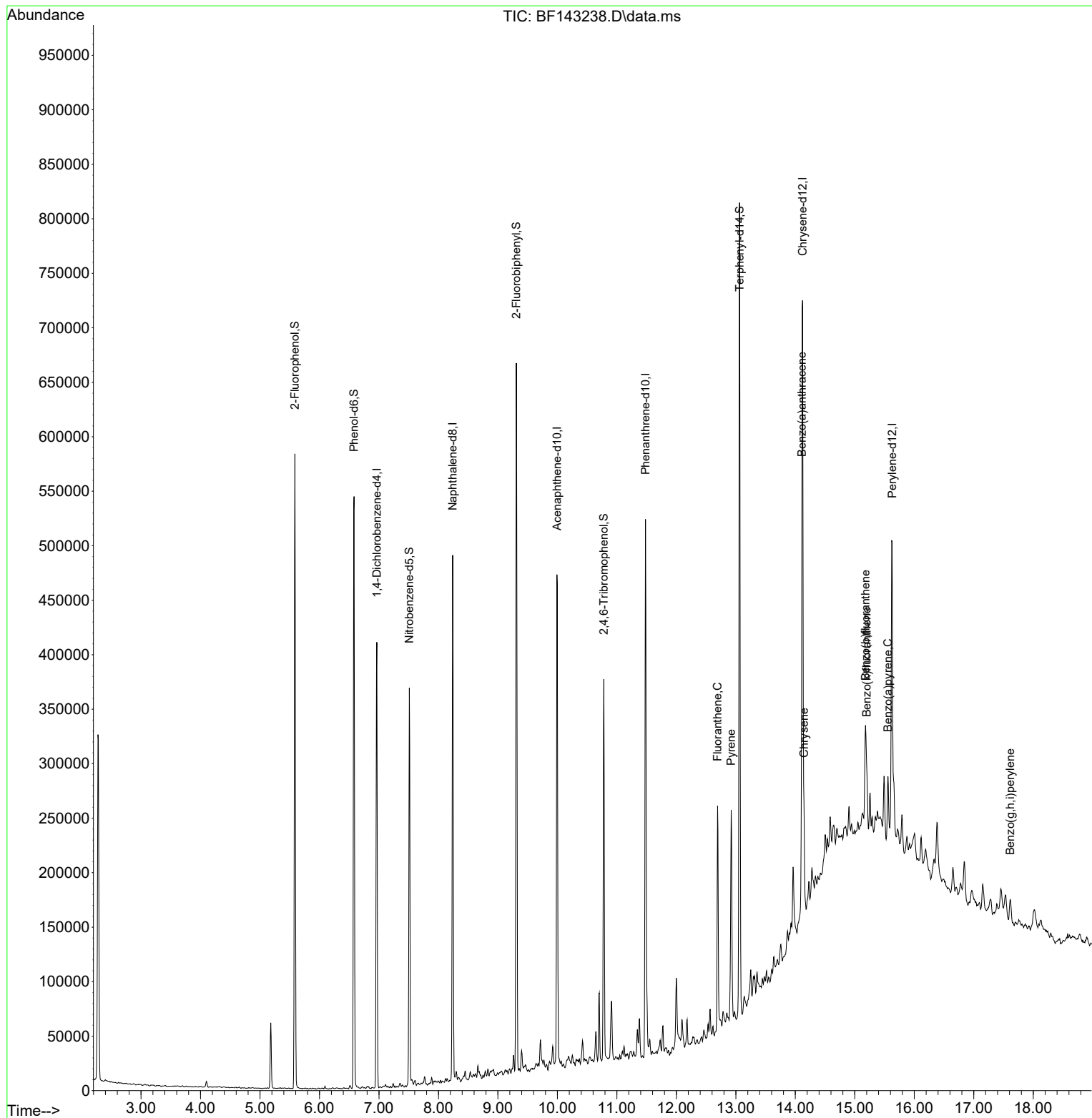
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
Data File : BF143238.D
Acq On : 24 Jul 2025 17:26
Operator : RC/JU
Sample : Q2676-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

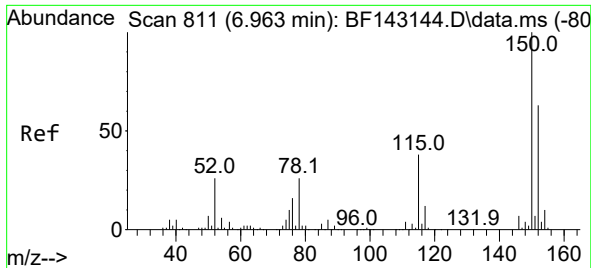
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025

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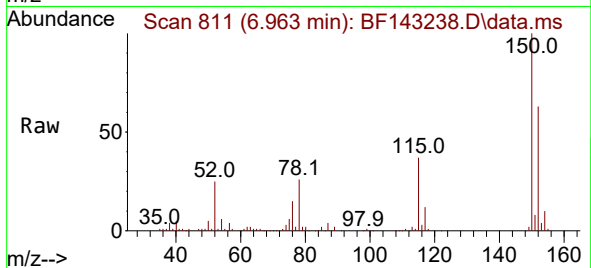
Quant Time: Jul 24 17:58:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

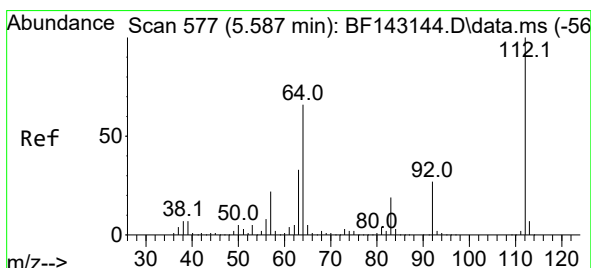
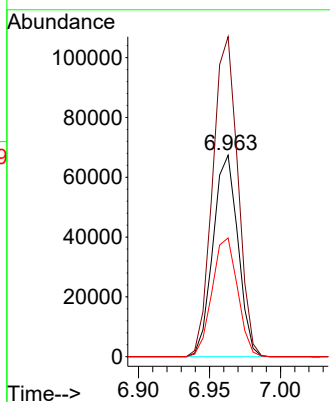
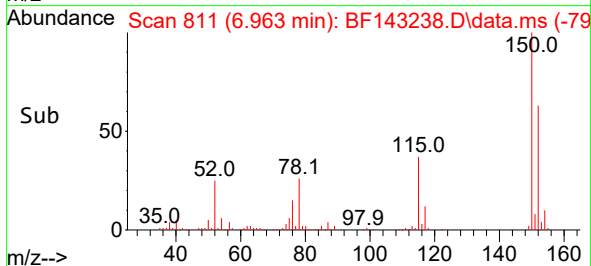
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025



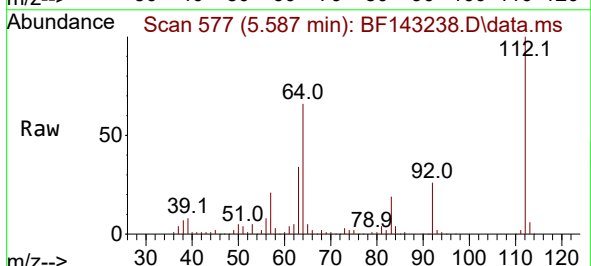
Tgt Ion:152 Resp: 82339
Ion Ratio Lower Upper
152 100
150 158.8 128.2 192.4
115 58.9 47.9 71.9

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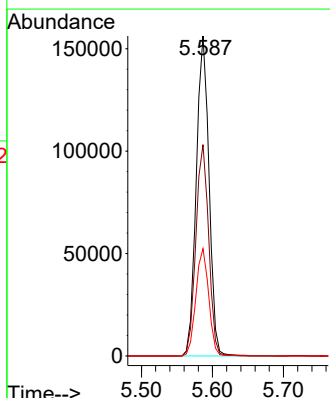
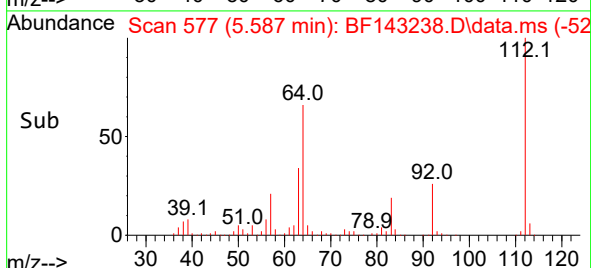
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

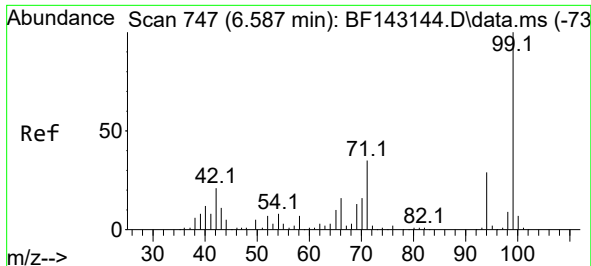


#5
2-Fluorophenol
Concen: 37.596 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26



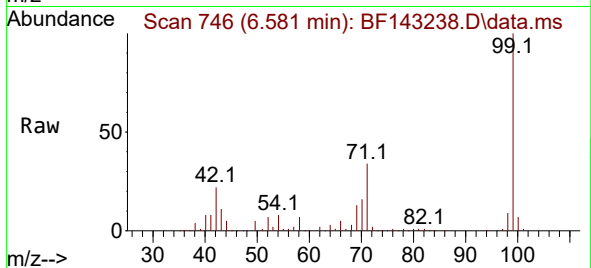
Tgt Ion:112 Resp: 195620
Ion Ratio Lower Upper
112 100
64 66.0 53.1 79.7
63 33.5 26.6 40.0





#7
Phenol-d6
Concen: 36.061 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

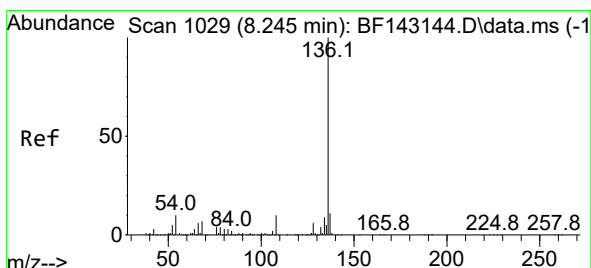
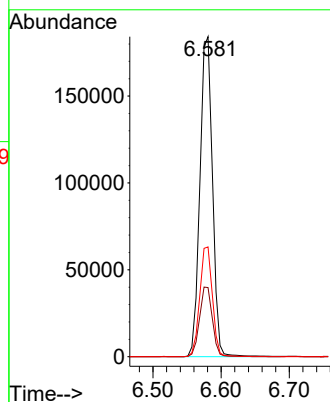
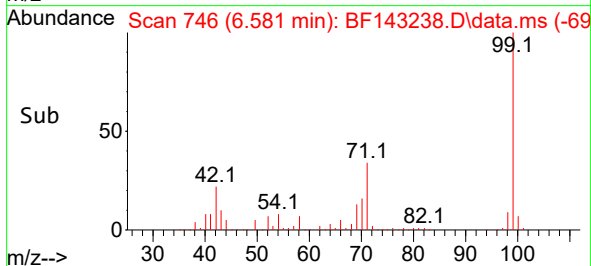
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025



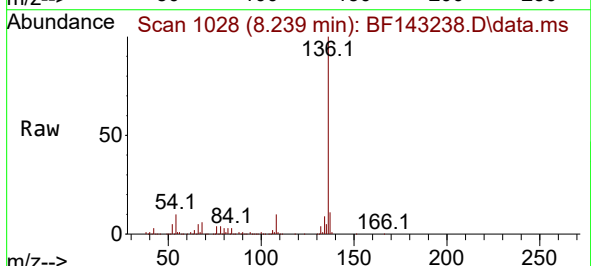
Tgt Ion: 99 Resp: 236174
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 34.3 27.7 41.5

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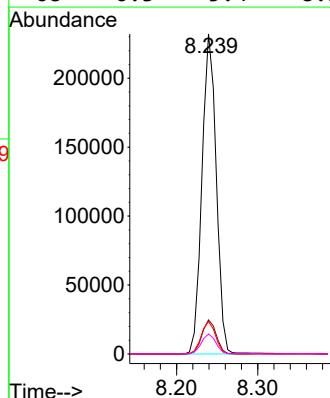
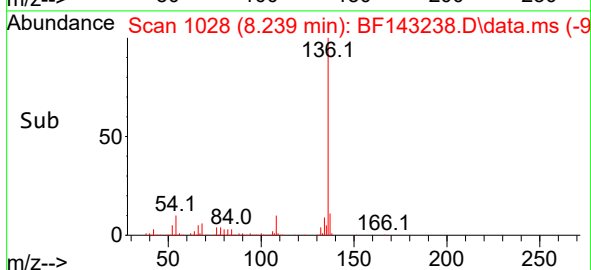
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025

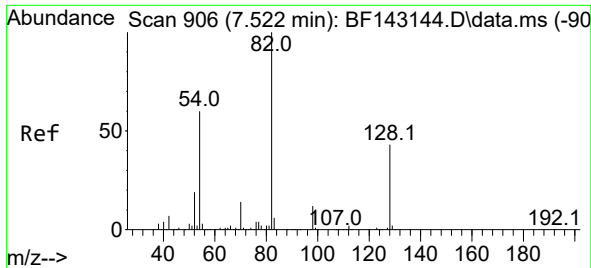


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26



Tgt Ion:136 Resp: 284241
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 10.2 8.2 12.2
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 25.823 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025

Tgt Ion: 82 Resp: 147249

Ion Ratio Lower Upper

82 100

128 41.8 33.6 50.4

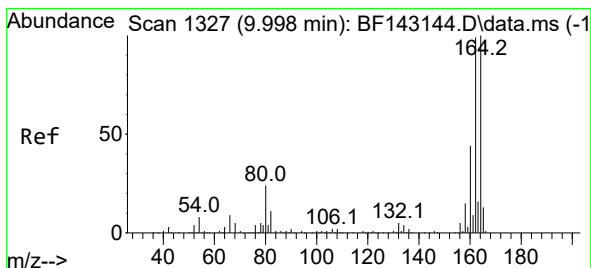
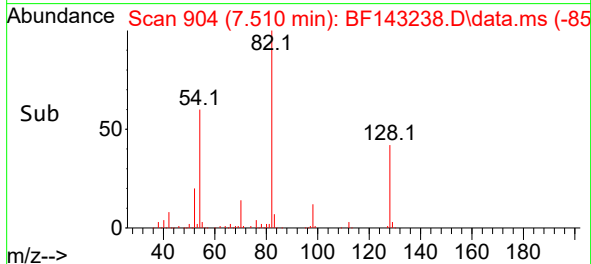
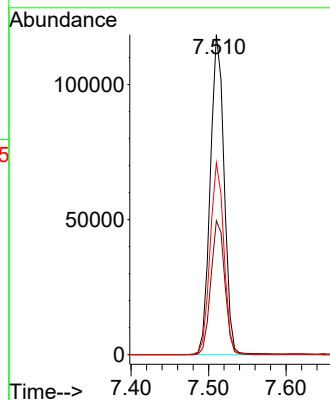
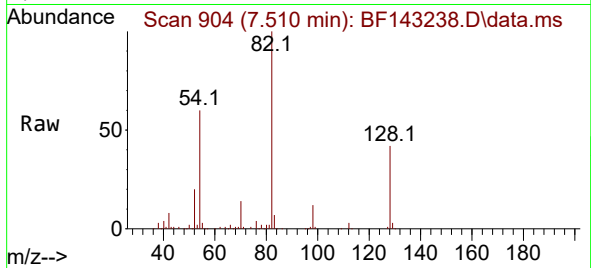
54 60.0 47.1 70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

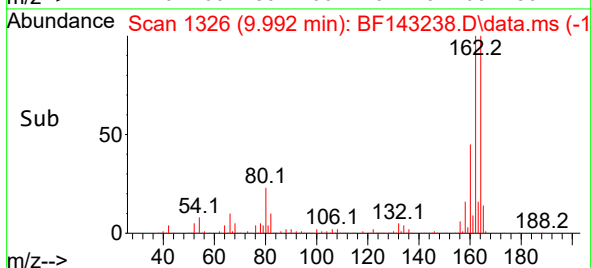
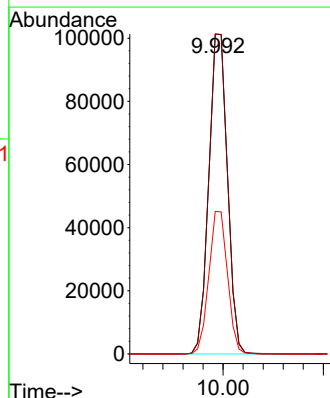
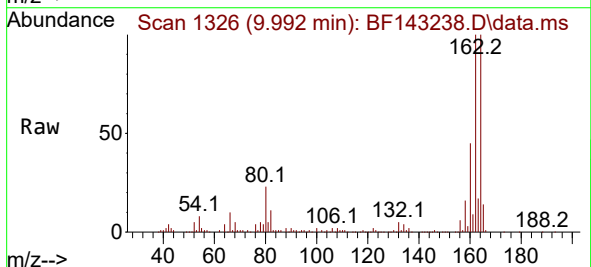
Tgt Ion:164 Resp: 131218

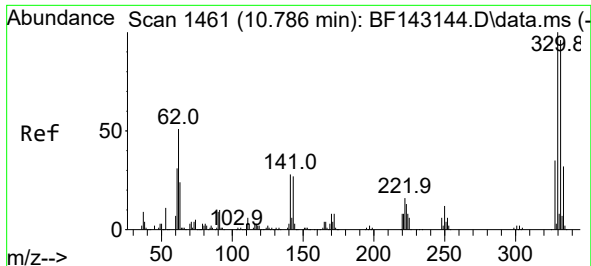
Ion Ratio Lower Upper

164 100

162 99.9 79.0 118.6

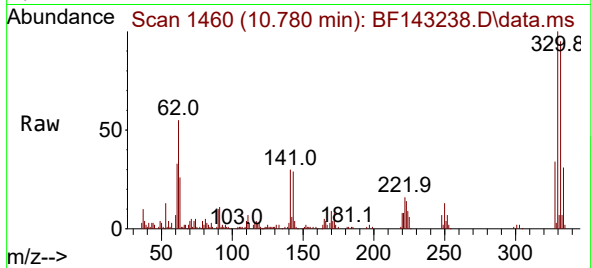
160 44.5 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 41.164 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

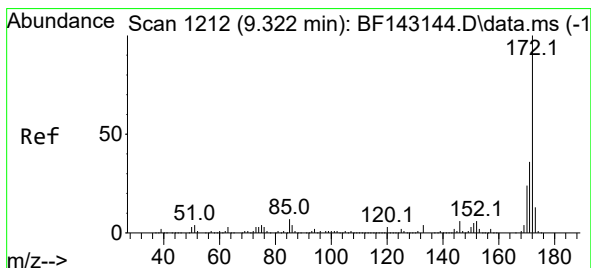
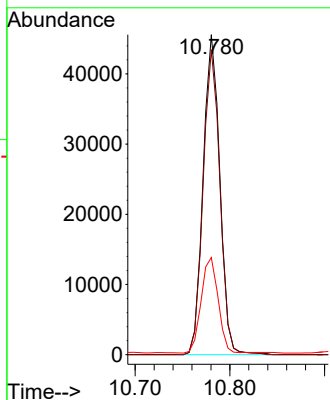
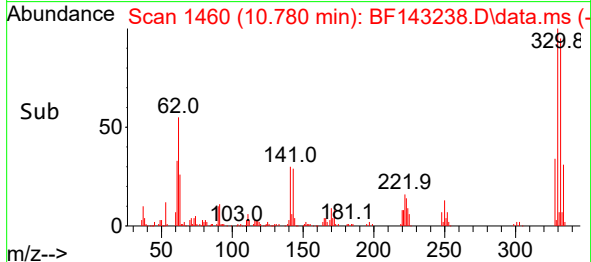
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025



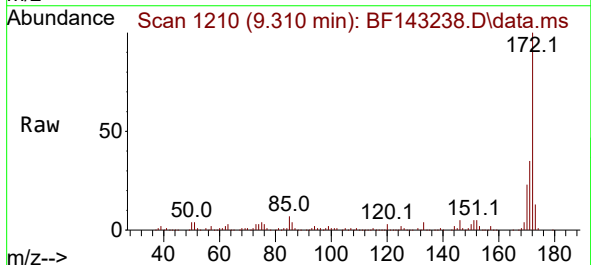
Tgt Ion:330 Resp: 55800
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 30.2 23.3 34.9

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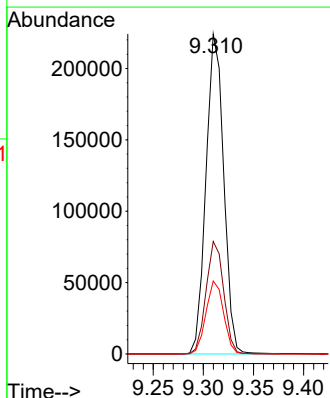
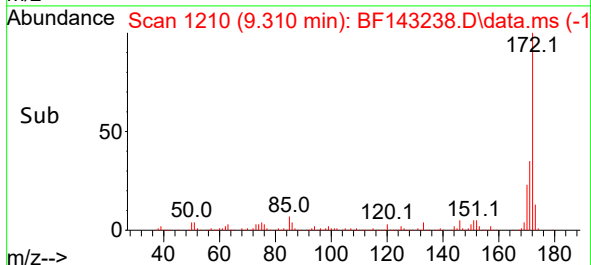
Reviewed By :Rahul Chavli 07/25/2025
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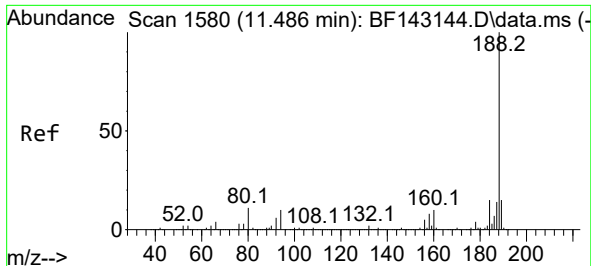


#45
2-Fluorobiphenyl
Concen: 28.833 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26



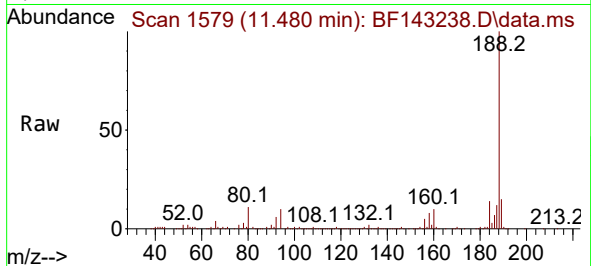
Tgt Ion:172 Resp: 276643
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 22.8 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

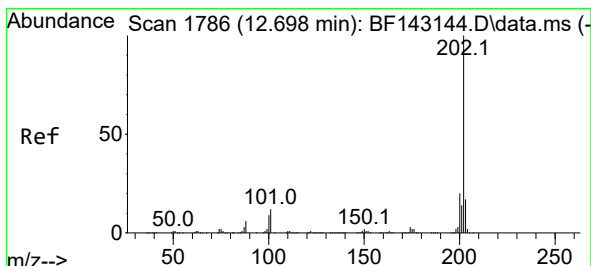
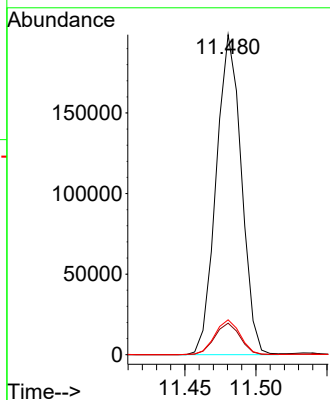
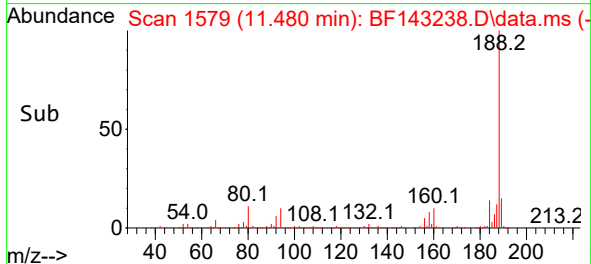
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025



Tgt Ion:188 Resp: 245094
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.9 9.0 13.6

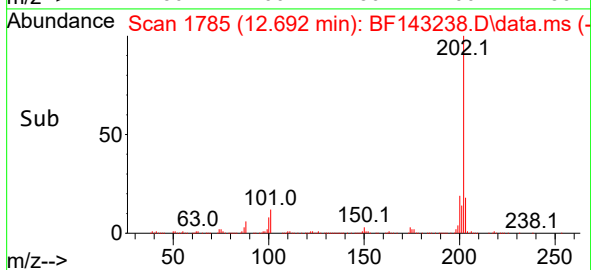
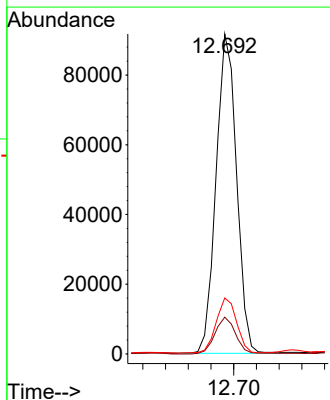
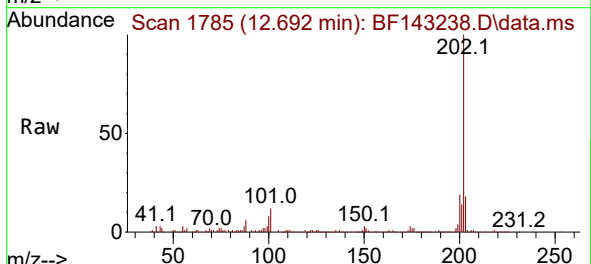
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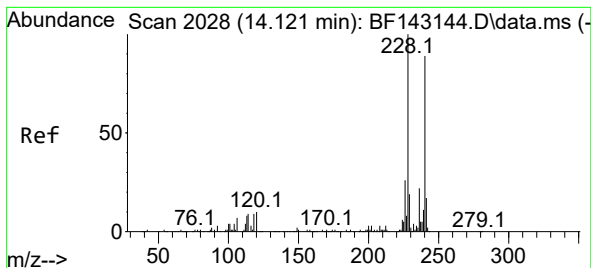
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#75
Fluoranthene
Concen: 9.609 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion:202 Resp: 114776
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.7
203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143238.D

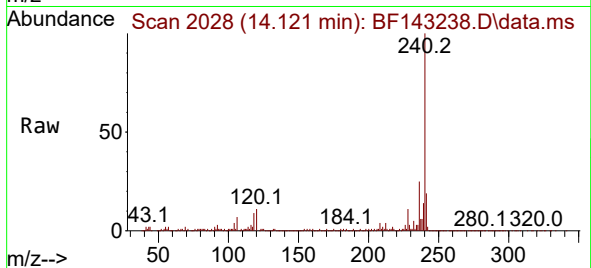
Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025



Tgt Ion:240 Resp: 251180

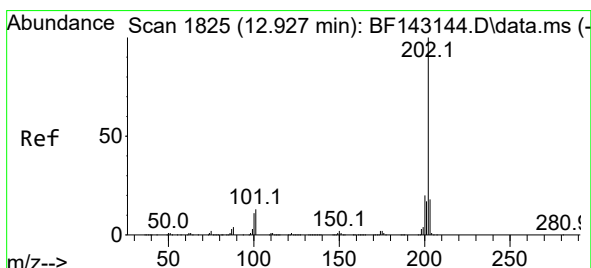
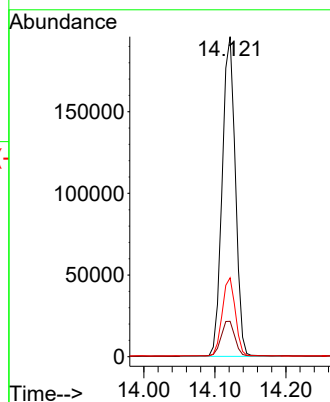
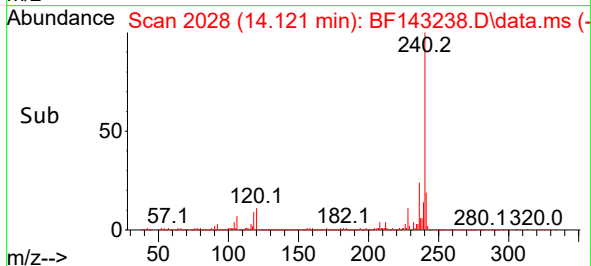
Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.4	14.2
236	24.6	20.2	30.4

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Supervised By :Jagrut Upadhyay 07/25/2025



#78

Pyrene

Concen: 5.030 ng

RT: 12.921 min Scan# 1824

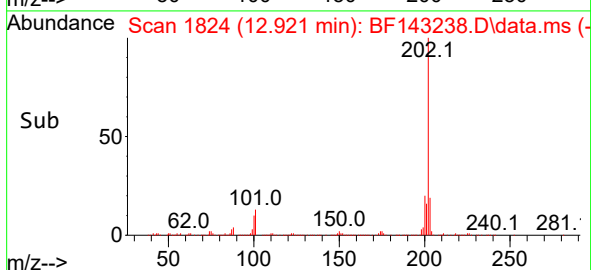
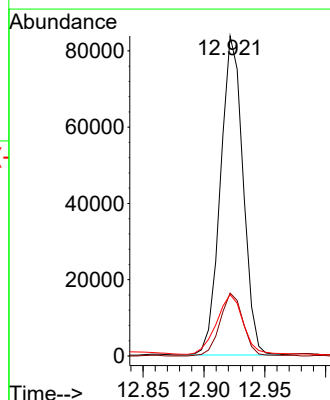
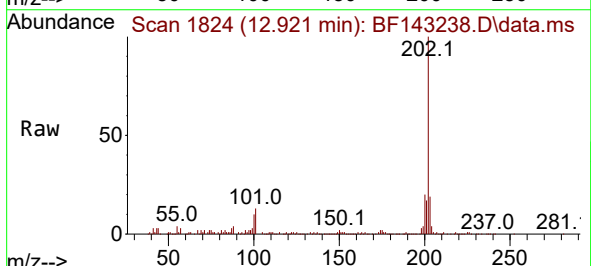
Delta R.T. -0.006 min

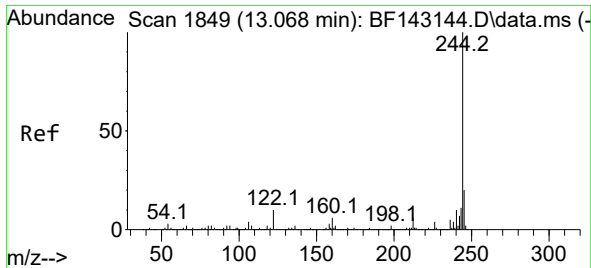
Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Tgt Ion:202 Resp: 107835

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	19.2	14.2	21.2





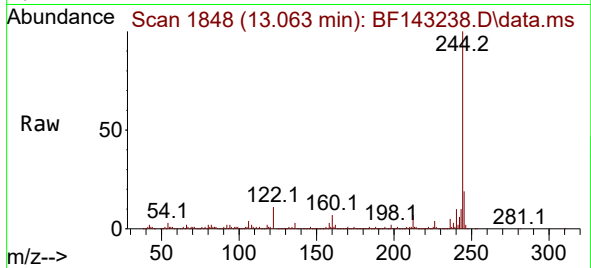
#79
 Terphenyl-d14
 Concen: 20.305 ng
 RT: 13.063 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF143238.D
 Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025



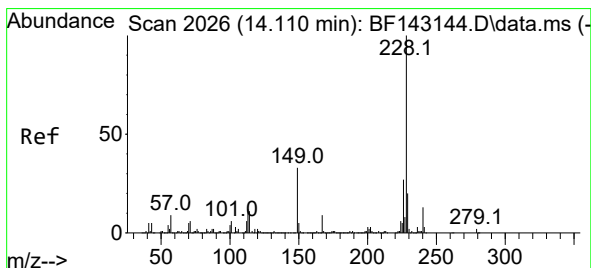
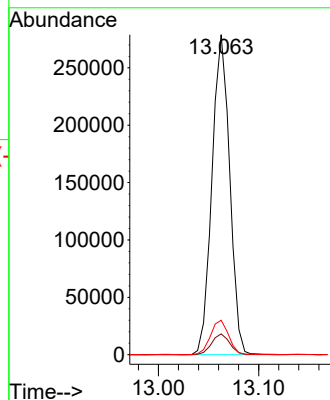
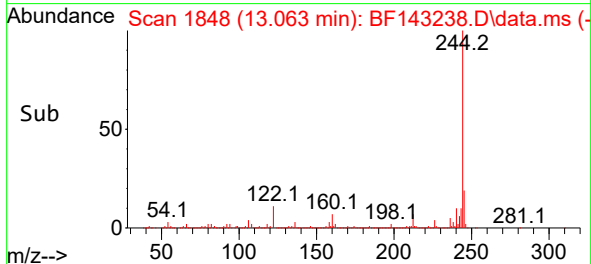
Tgt Ion:244 Resp: 342749
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.7 8.2 12.2

Manual Integrations

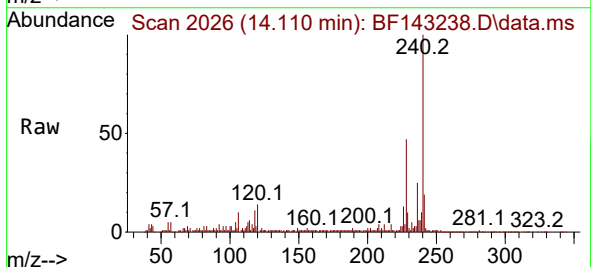
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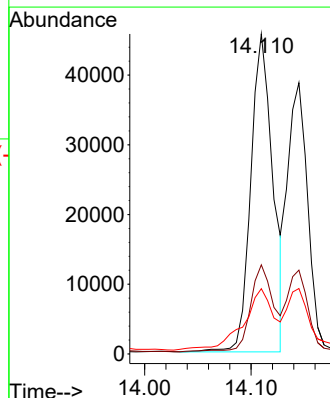
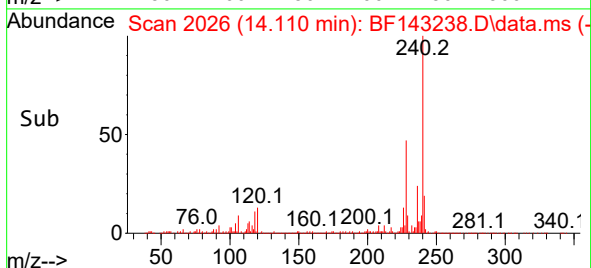
Supervised By :Jagrut Upadhyay 07/25/2025

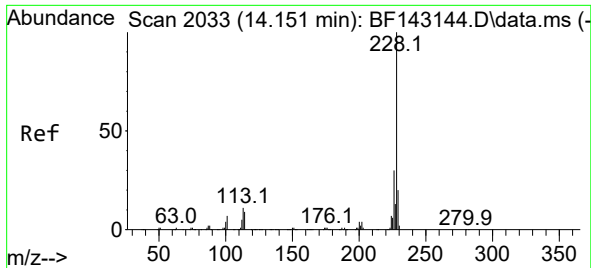


#81
 Benzo(a)anthracene
 Concen: 3.910 ng
 RT: 14.110 min Scan# 2026
 Delta R.T. -0.000 min
 Lab File: BF143238.D
 Acq: 24 Jul 2025 17:26



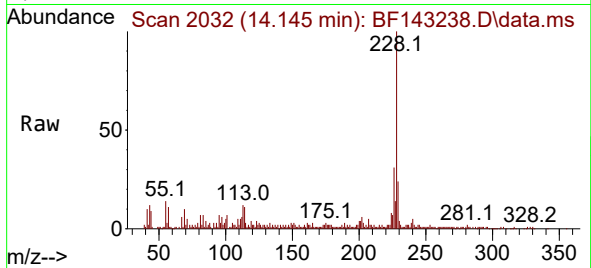
Tgt Ion:228 Resp: 65747
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.7 32.5
 229 20.4 15.8 23.6





#83
Chrysene
Concen: 3.427 ng m
RT: 14.145 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

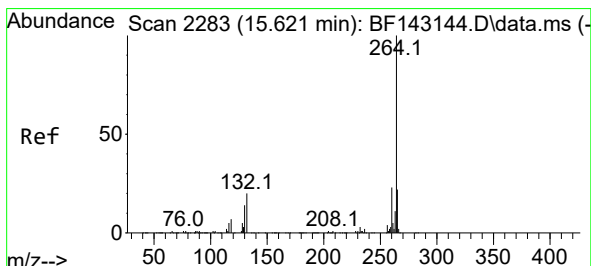
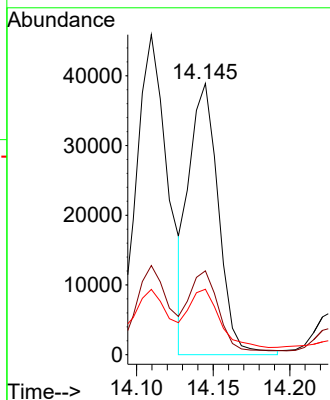
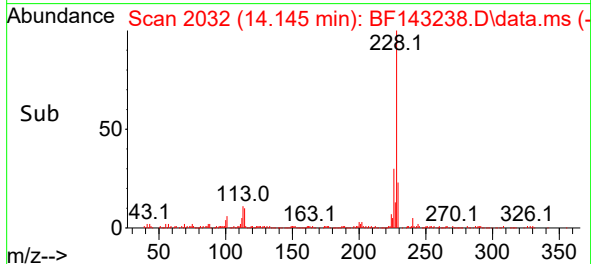
Instrument :
BNA_F
ClientSampleId :
HD-01-07222025



Tgt Ion:228 Resp: 51818
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 24.1 15.6 23.4

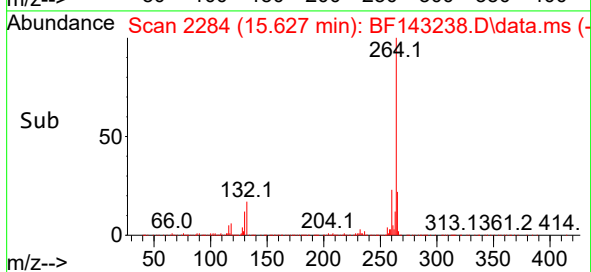
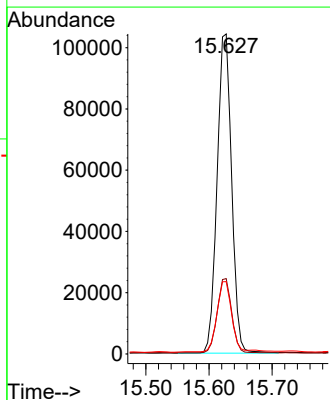
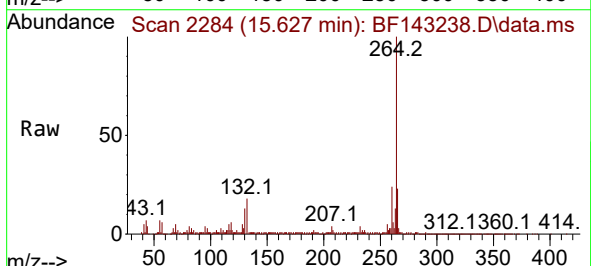
Manual Integrations
APPROVED

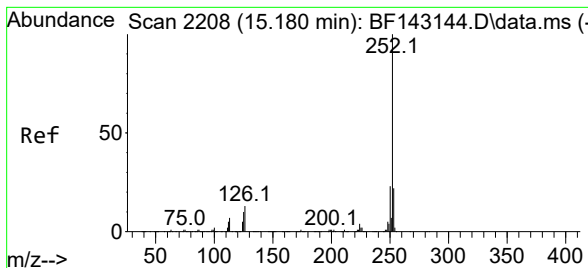
Reviewed By :Rahul Chavli 07/25/2025
Supervised By :Jagrut Upadhyay 07/25/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Tgt Ion:264 Resp: 166923
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 22.6 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 6.123 ng m

RT: 15.180 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025

Tgt Ion:252 Resp: 62440

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

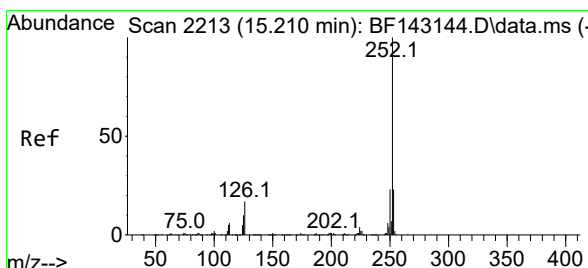
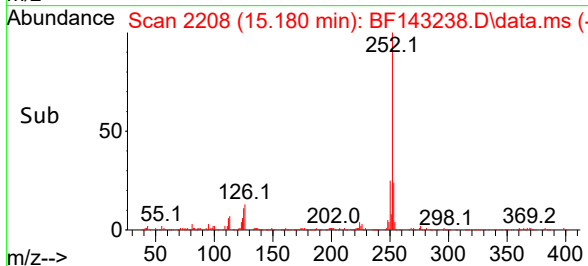
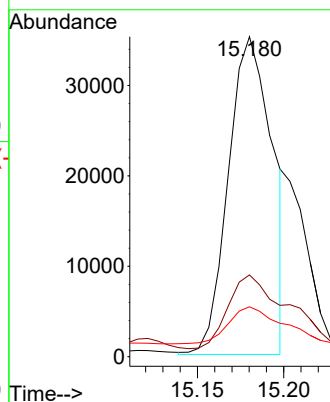
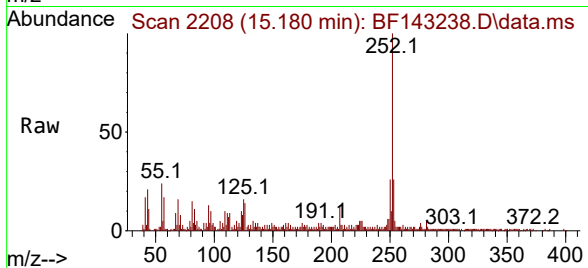
125 15.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#89

Benzo(k)fluoranthene

Concen: 2.117 ng m

RT: 15.198 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF143238.D

Acq: 24 Jul 2025 17:26

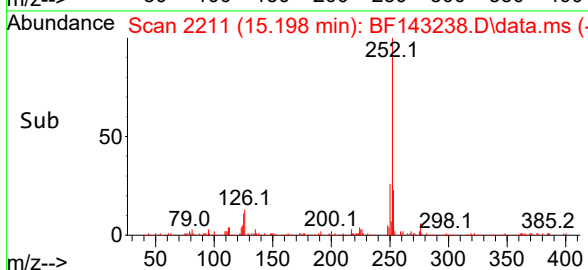
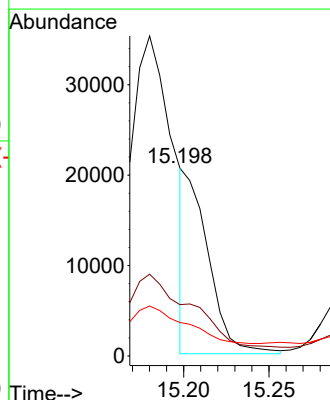
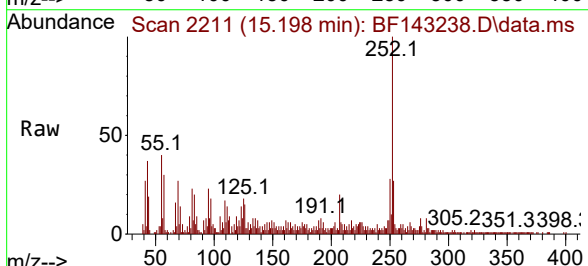
Tgt Ion:252 Resp: 19262

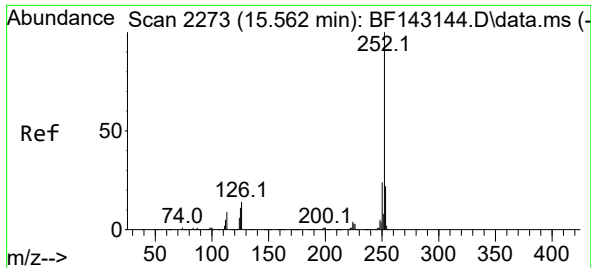
Ion Ratio Lower Upper

252 100

253 27.3 17.8 26.6#

125 17.8 8.1 12.1#





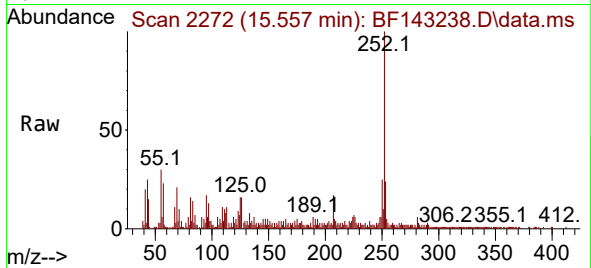
#90
Benzo(a)pyrene
Concen: 4.087 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26

Instrument :

BNA_F

ClientSampleId :

HD-01-07222025



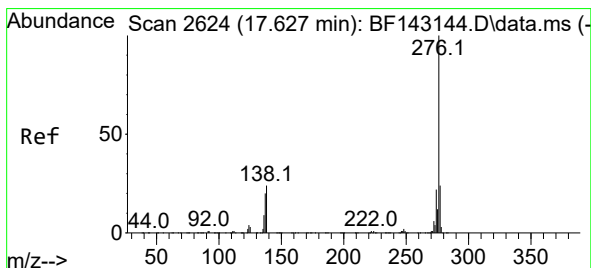
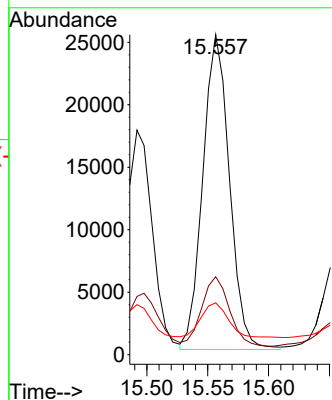
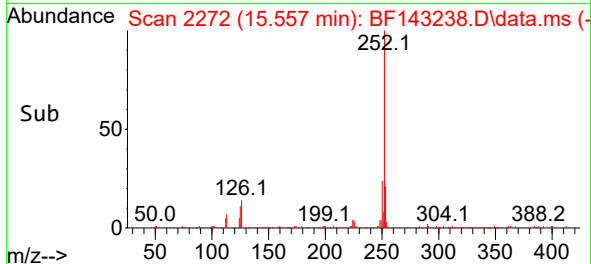
Tgt Ion:252 Resp: 3840
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 16.2 8.6 13.0

Manual Integrations

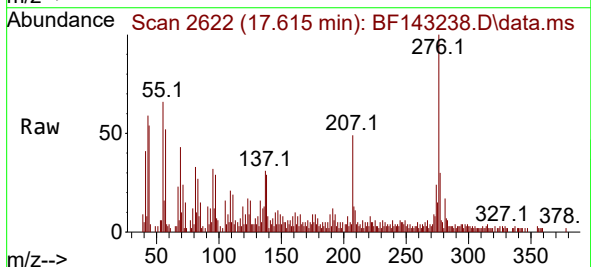
APPROVED

Reviewed By :Rahul Chavli 07/25/2025

Supervised By :Jagrut Upadhyay 07/25/2025



#92
Benzo(g,h,i)perylene
Concen: 2.095 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143238.D
Acq: 24 Jul 2025 17:26



Tgt Ion:276 Resp: 19419
Ion Ratio Lower Upper
276 100
277 29.7 19.1 28.7#
138 29.3 18.9 28.3#

