

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142438.D
 Acq On : 16 May 2025 20:38
 Operator : RC/JU
 Sample : Q2043-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 281

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

Quant Time: May 17 01:40:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	99642	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	340109	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	106056	20.000	ng	0.01
64) Phenanthrene-d10	11.492	188	110189	20.000	ng	# 0.06
76) Chrysene-d12	14.104	240	134693	20.000	ng	# 0.04
86) Perylene-d12	15.574	264	156682	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	201305	34.488	ng	0.00
7) Phenol-d6	6.516	99	231090	32.189	ng	0.00
23) Nitrobenzene-d5	7.457	82	133648	23.965	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	45742	44.672	ng	0.03
45) 2-Fluorobiphenyl	9.263	172	252759	33.982	ng	0.00
79) Terphenyl-d14	13.080	244	126209	13.869	ng	0.06
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.898	142	57430	5.607	ng	98
38) 1-Methylnaphthalene	8.998	142	51241	4.800	ng	92
46) 1,1'-Biphenyl	9.363	154	64173	7.892	ng	94
71) Phenanthrene	11.516	178	106306	18.405	ng	# 1
75) Fluoranthene	12.733	202	84175	14.579	ng	# 46
78) Pyrene	12.957	202	78261m	6.528	ng	
81) Benzo(a)anthracene	14.098	228	59947	6.872	ng	# 84
83) Chrysene	14.127	228	57085	7.030	ng	# 84
84) Bis(2-ethylhexyl)phtha...	14.062	149	149864	34.225	ng	# 89
87) Indeno(1,2,3-cd)pyrene	17.068	276	35059	3.217	ng	# 92
88) Benzo(b)fluoranthene	15.139	252	84829m	8.939	ng	
89) Benzo(k)fluoranthene	15.151	252	32396m	3.730	ng	
90) Benzo(a)pyrene	15.509	252	57164	6.722	ng	# 74
92) Benzo(g,h,i)perylene	17.521	276	34398	3.849	ng	92

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

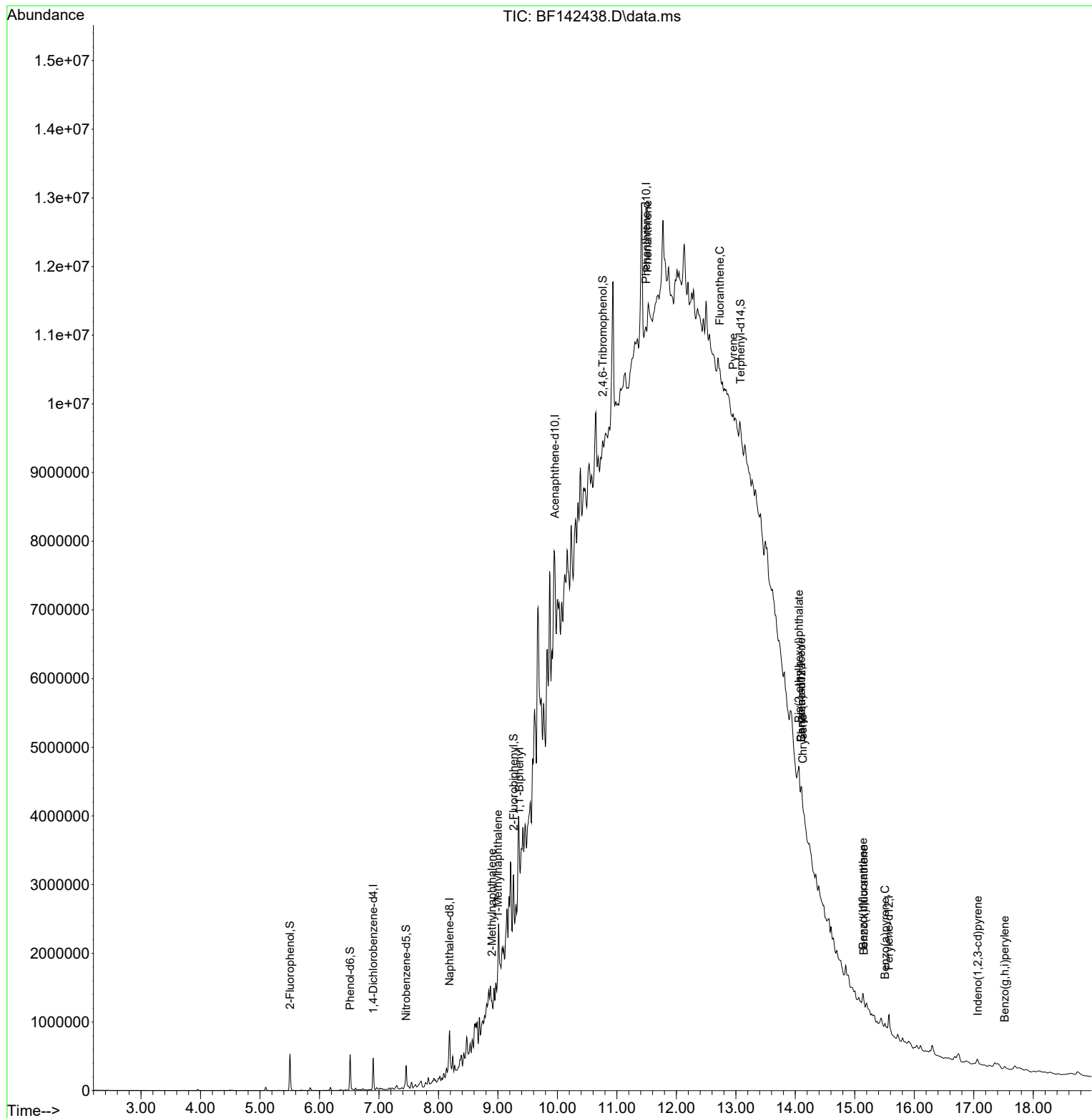
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142438.D
Acq On : 16 May 2025 20:38
Operator : RC/JU
Sample : Q2043-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
281

Quant Time: May 17 01:40:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

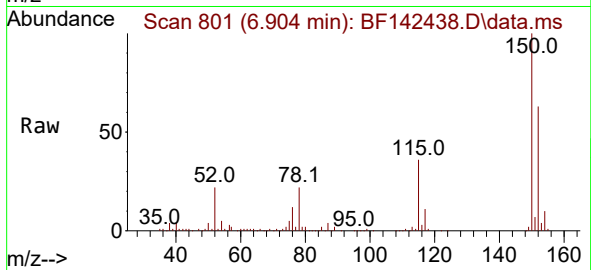
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142438.D
 Acq: 16 May 2025 20:38

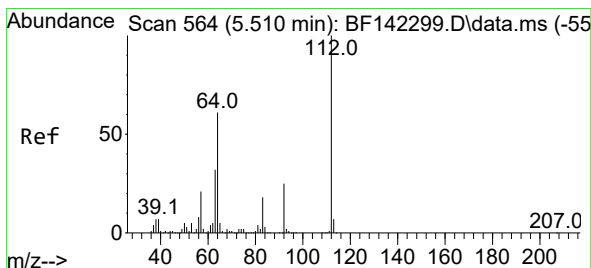
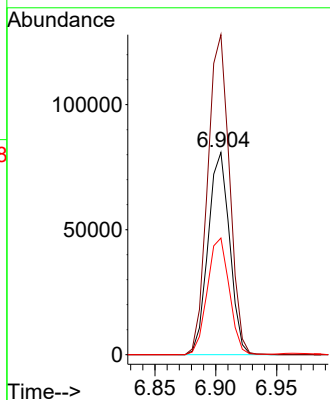
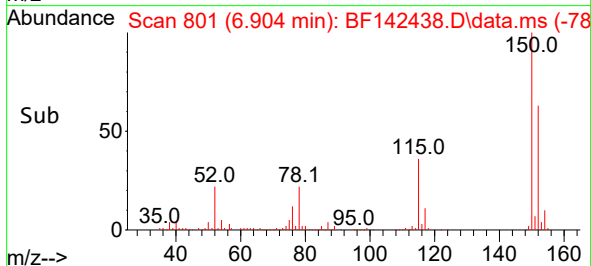
Instrument :
 BNA_F
 ClientSampleId :
 281



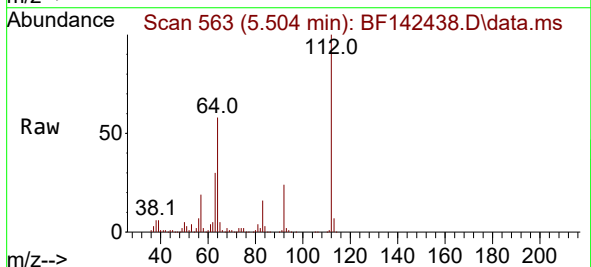
Tgt Ion:152 Resp: 9964
 Ion Ratio Lower Upper
 152 100
 150 158.2 126.6 190.0
 115 57.7 47.3 70.9

Manual Integrations
 APPROVED

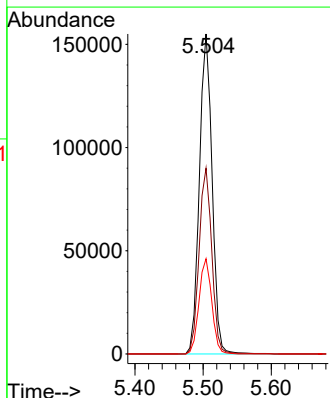
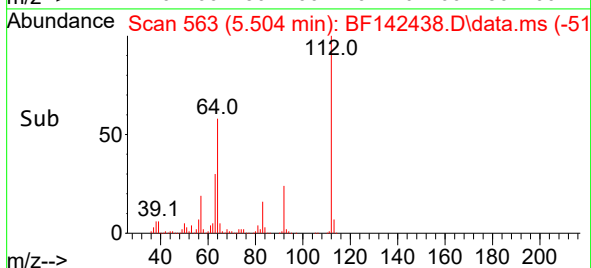
Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

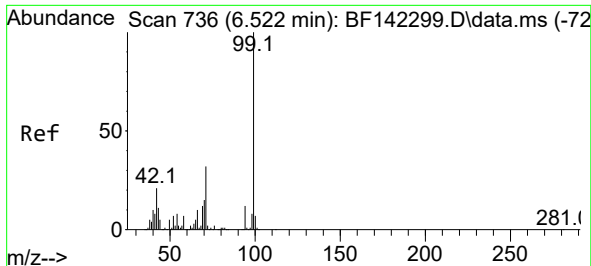


#5
 2-Fluorophenol
 Concen: 34.488 ng
 RT: 5.504 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF142438.D
 Acq: 16 May 2025 20:38



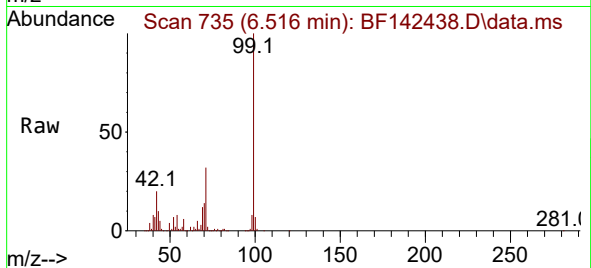
Tgt Ion:112 Resp: 201305
 Ion Ratio Lower Upper
 112 100
 64 58.1 48.9 73.3
 63 29.7 25.6 38.4





#7
Phenol-d6
Concen: 32.189 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

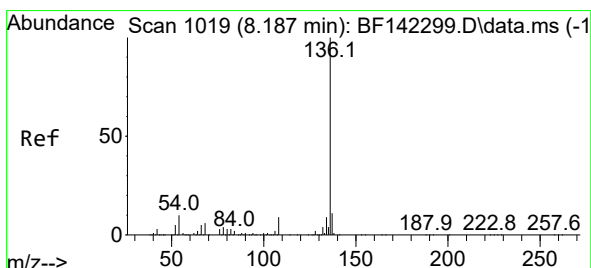
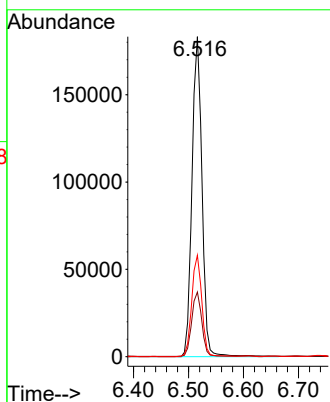
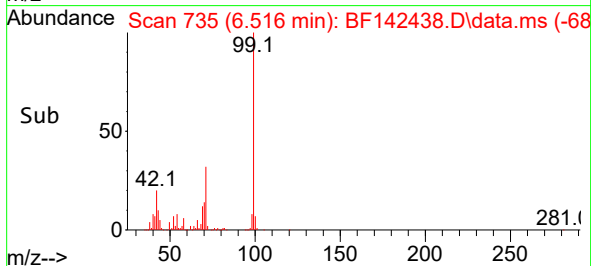
Instrument :
BNA_F
ClientSampleId :
281



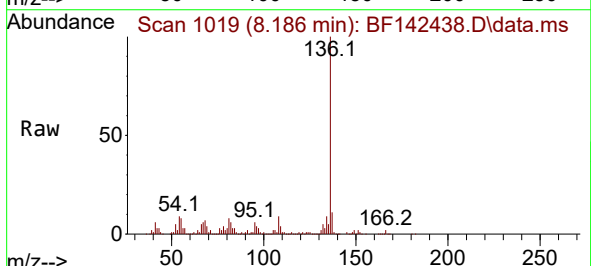
Tgt Ion: 99 Resp: 231090
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 31.7 25.8 38.8

Manual Integrations
APPROVED

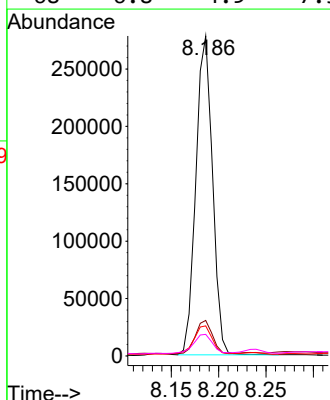
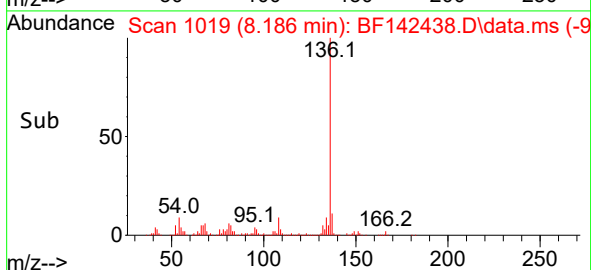
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

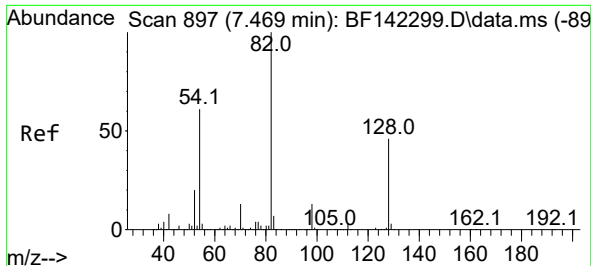


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38



Tgt Ion:136 Resp: 340109
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.4 7.7 11.5
68 6.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 23.965 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142438.D

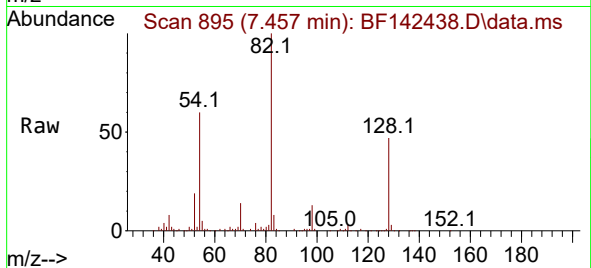
Acq: 16 May 2025 20:38

Instrument :

BNA_F

ClientSampleId :

281



Tgt Ion: 82 Resp: 13364

Ion Ratio Lower Upper

82 100

128 47.1 37.0 55.6

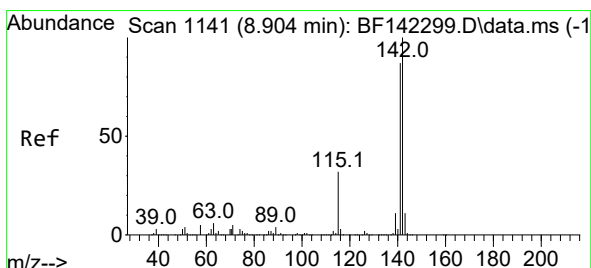
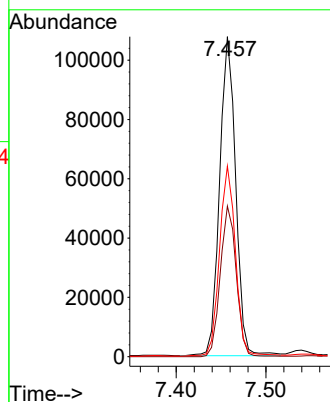
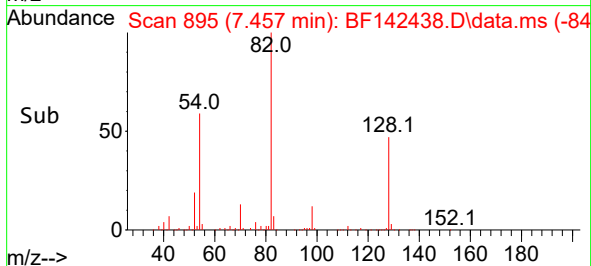
54 59.6 48.6 73.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#37

2-Methylnaphthalene

Concen: 5.607 ng

RT: 8.898 min Scan# 1140

Delta R.T. -0.006 min

Lab File: BF142438.D

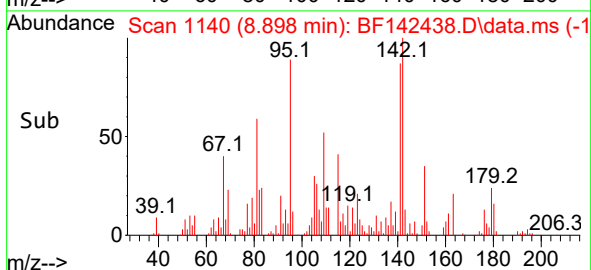
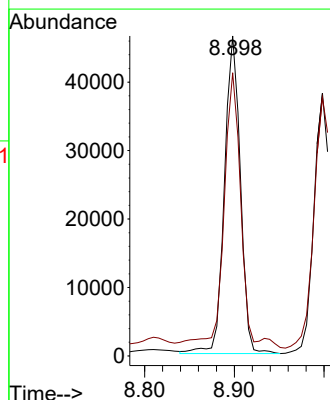
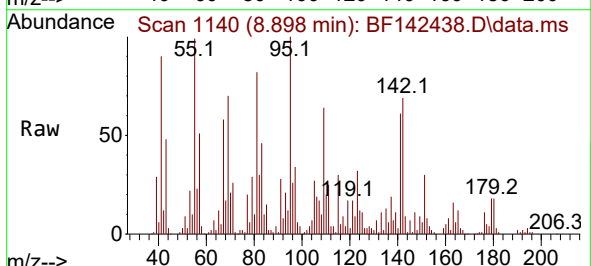
Acq: 16 May 2025 20:38

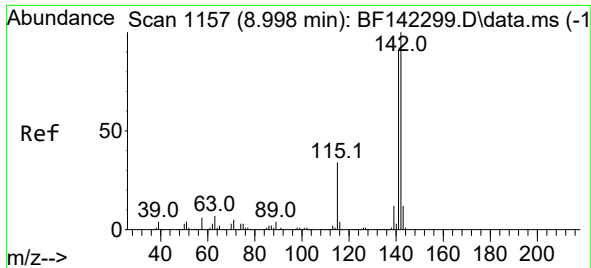
Tgt Ion:142 Resp: 57430

Ion Ratio Lower Upper

142 100

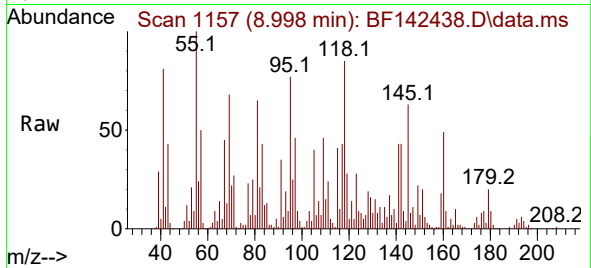
141 88.5 69.4 104.2





#38
1-Methylnaphthalene
Concen: 4.800 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

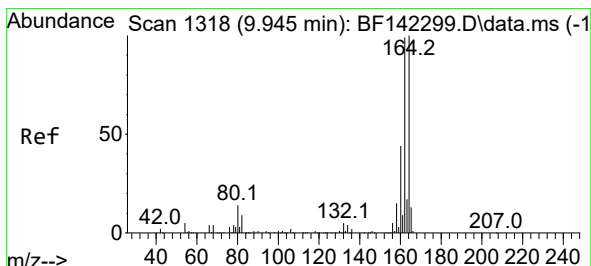
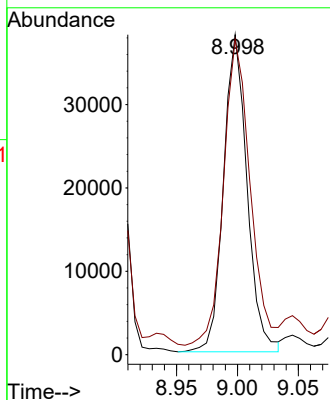
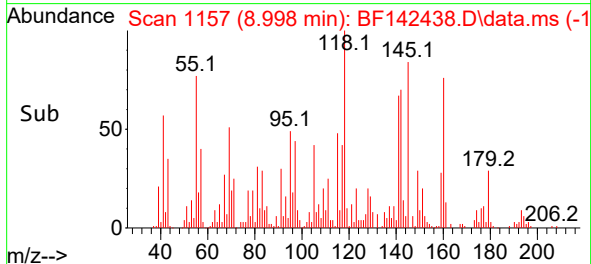
Instrument :
BNA_F
ClientSampleId :
281



Tgt Ion:142 Resp: 5124
Ion Ratio Lower Upper
142 100
141 98.5 72.5 108.7

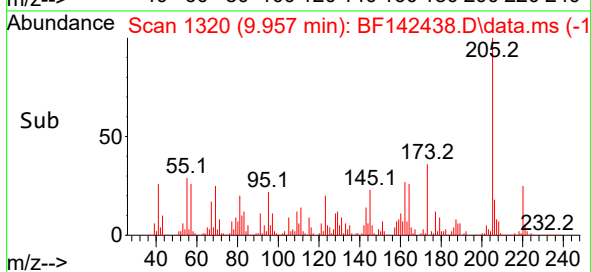
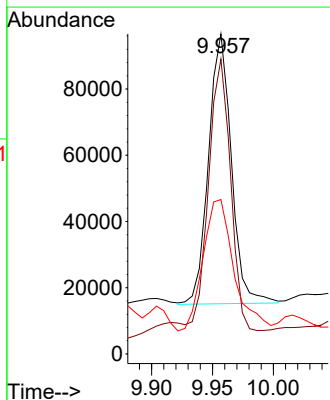
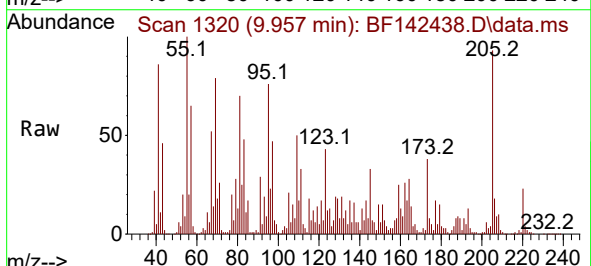
Manual Integrations
APPROVED

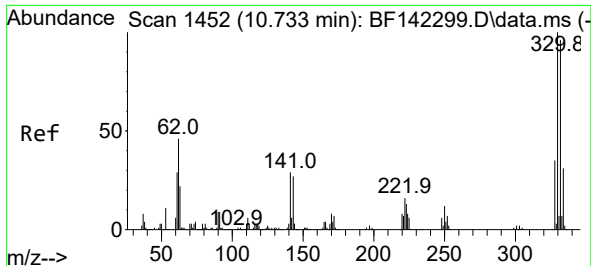
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.012 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

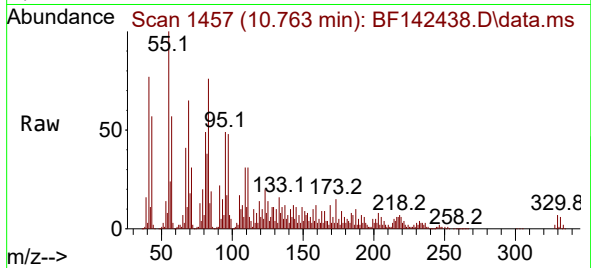
Tgt Ion:164 Resp: 106056
Ion Ratio Lower Upper
164 100
162 92.1 79.2 118.8
160 48.2 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 44.672 ng
RT: 10.763 min Scan# 1452
Delta R.T. 0.029 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

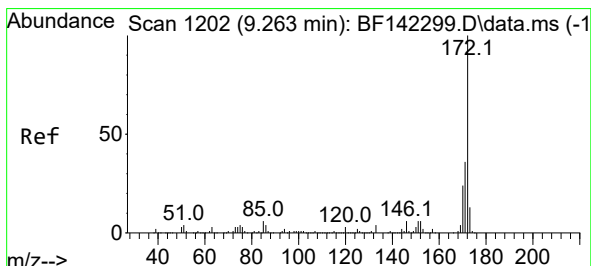
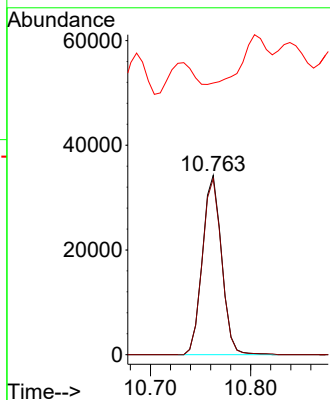
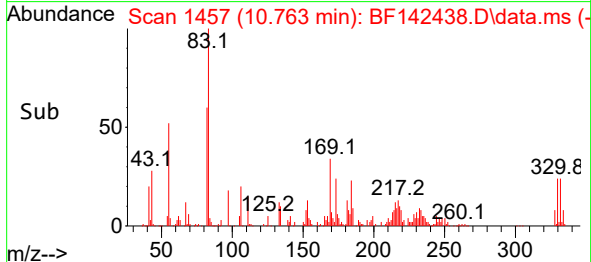
Instrument :
BNA_F
ClientSampleId :
281



Tgt Ion: 330 Resp: 4574
Ion Ratio Lower Upper
330 100
332 98.6 76.8 115.2
141 0.0 24.9 37.3

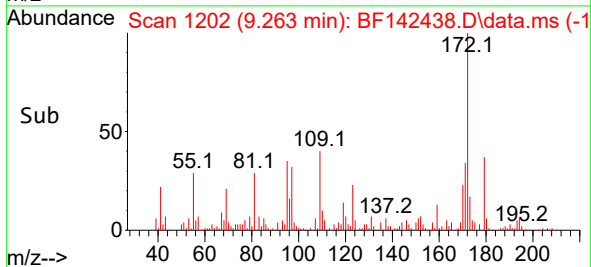
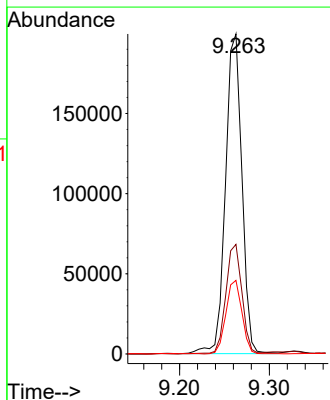
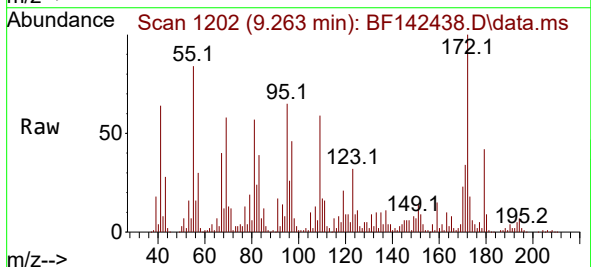
Manual Integrations
APPROVED

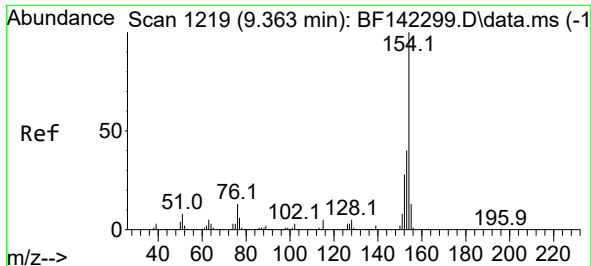
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#45
2-Fluorobiphenyl
Concen: 33.982 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

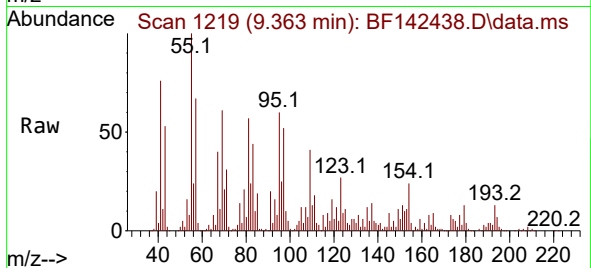
Tgt Ion: 172 Resp: 252759
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 23.0 19.0 28.4





#46
1,1'-Biphenyl
Concen: 7.892 ng
RT: 9.363 min Scan# 11581
Delta R.T. -0.000 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

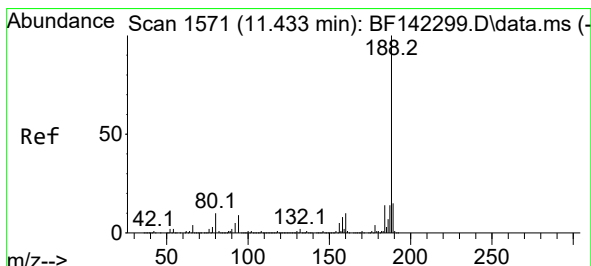
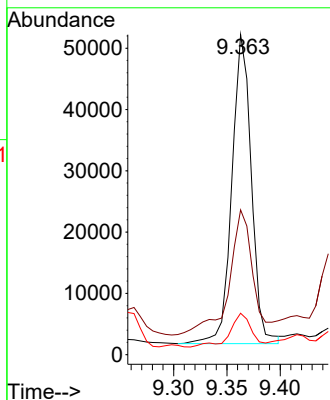
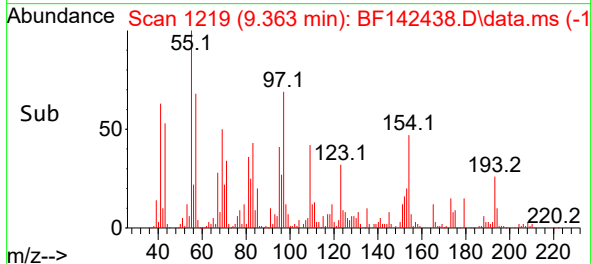
Instrument :
BNA_F
ClientSampleId :
281



Tgt Ion:154 Resp: 6417
Ion Ratio Lower Upper
154 100
153 45.2 20.5 60.5
76 12.9 0.0 32.8

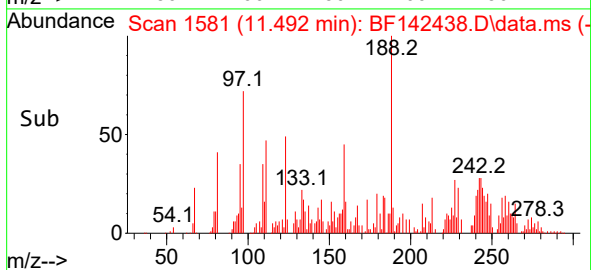
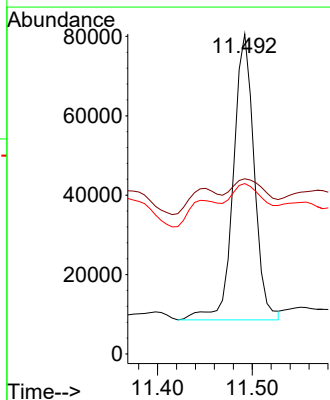
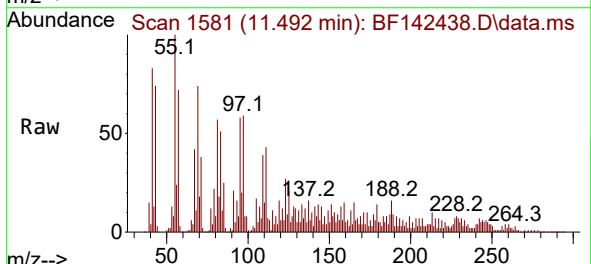
Manual Integrations
APPROVED

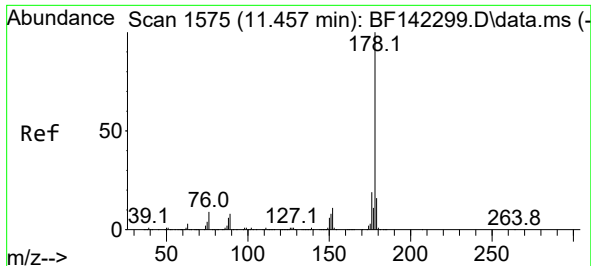
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.059 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

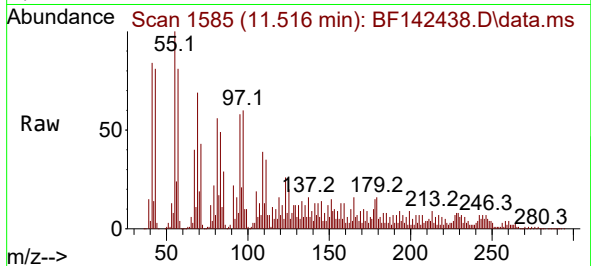
Tgt Ion:188 Resp: 110189
Ion Ratio Lower Upper
188 100
94 54.8 7.5 11.3#
80 53.3 7.9 11.9#





#71
Phenanthrene
Concen: 18.405 ng
RT: 11.516 min Scan# 11585
Delta R.T. 0.059 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

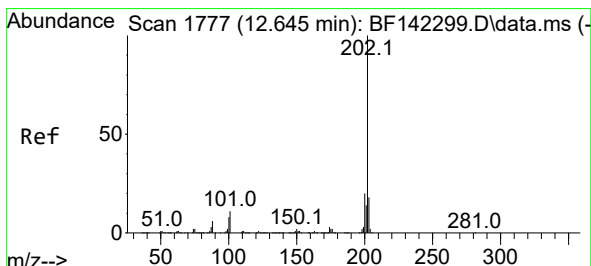
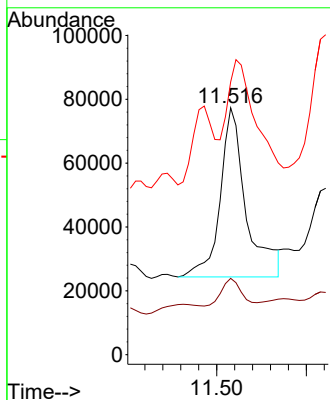
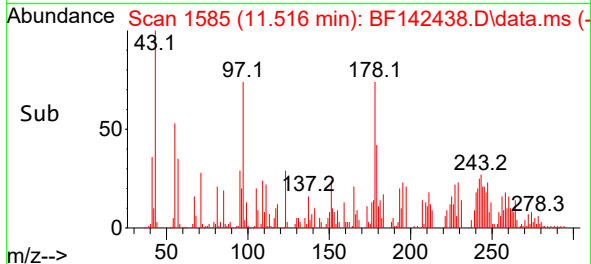
Instrument :
BNA_F
ClientSampleId :
281



Tgt Ion:178 Resp: 106300
Ion Ratio Lower Upper
178 100
176 30.9 15.5 23.3
179 110.5 12.6 18.8

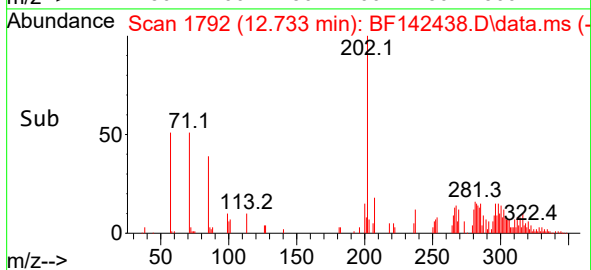
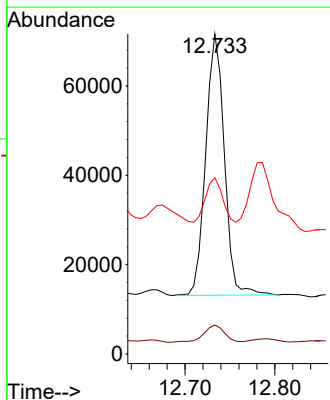
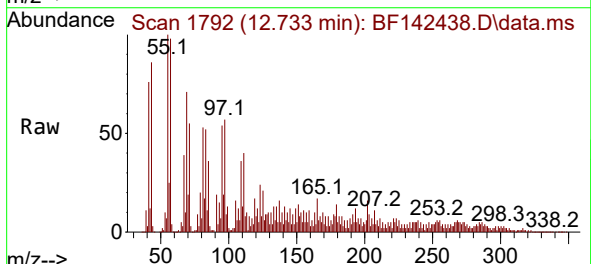
Manual Integrations
APPROVED

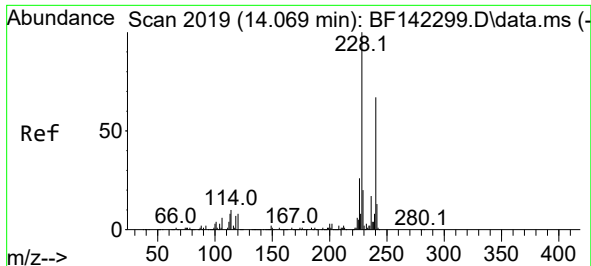
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#75
Fluoranthene
Concen: 14.579 ng
RT: 12.733 min Scan# 1792
Delta R.T. 0.088 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

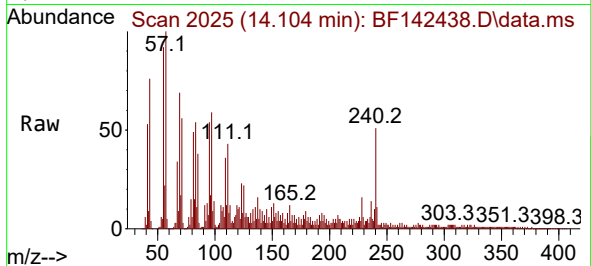
Tgt Ion:202 Resp: 84175
Ion Ratio Lower Upper
202 100
101 9.1 0.0 31.4
203 55.0 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2019
Delta R.T. 0.035 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

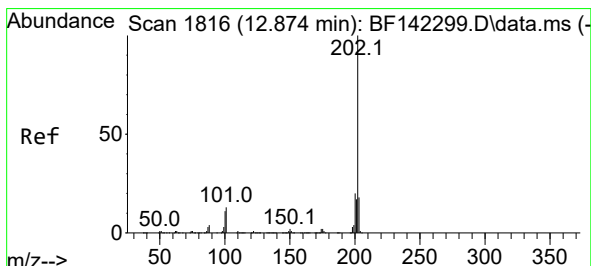
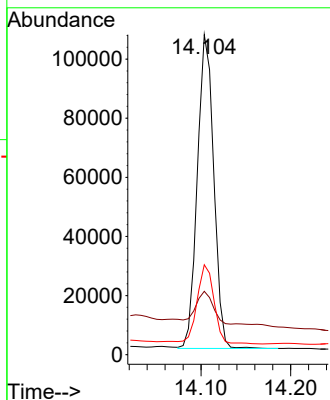
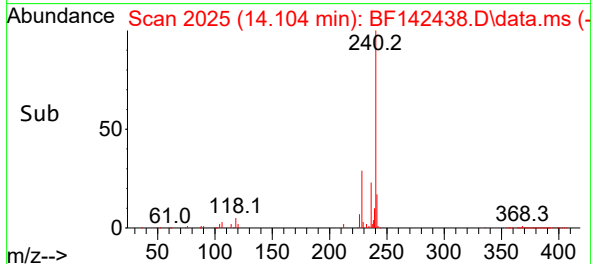
Instrument :
BNA_F
ClientSampleId :
281



Tgt Ion:240 Resp: 13469
Ion Ratio Lower Upper
240 100
120 19.8 9.7 14.5
236 28.1 20.0 30.0

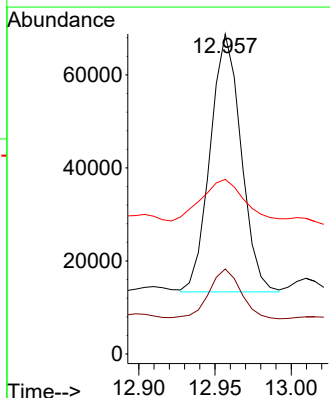
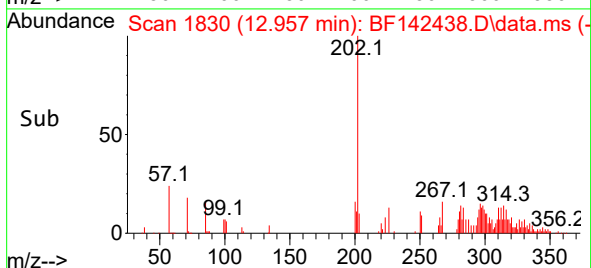
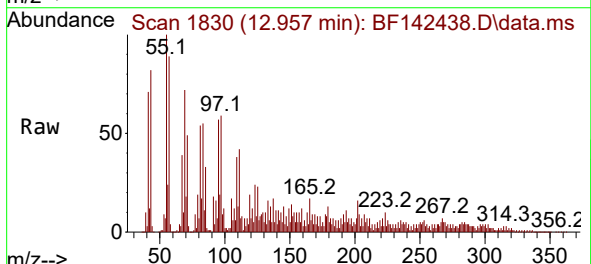
Manual Integrations
APPROVED

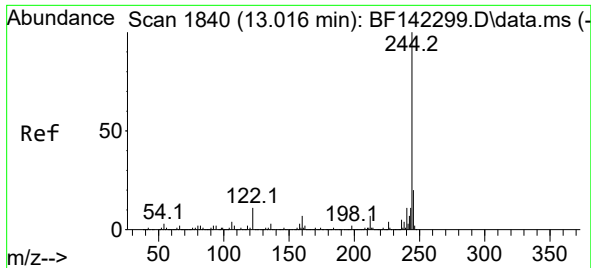
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#78
Pyrene
Concen: 6.528 ng m
RT: 12.957 min Scan# 1830
Delta R.T. 0.082 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

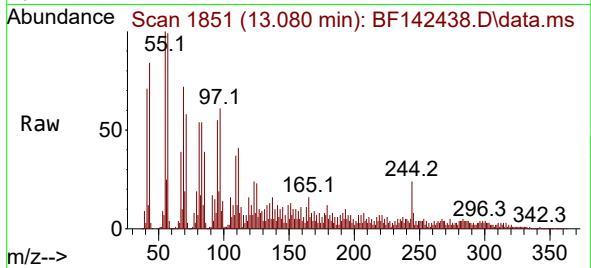
Tgt Ion:202 Resp: 78261
Ion Ratio Lower Upper
202 100
200 26.6 16.2 24.4#
203 54.6 14.3 21.5#





#79
 Terphenyl-d14
 Concen: 13.869 ng
 RT: 13.080 min Scan# 11
 Delta R.T. 0.065 min
 Lab File: BF142438.D
 Acq: 16 May 2025 20:38

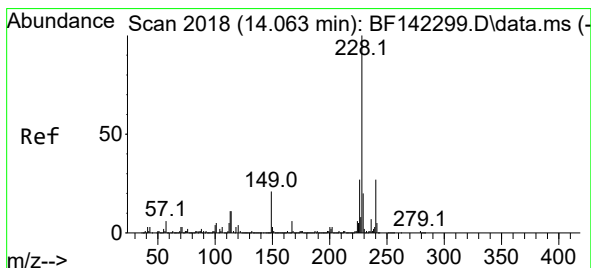
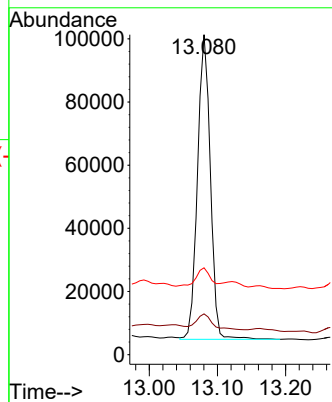
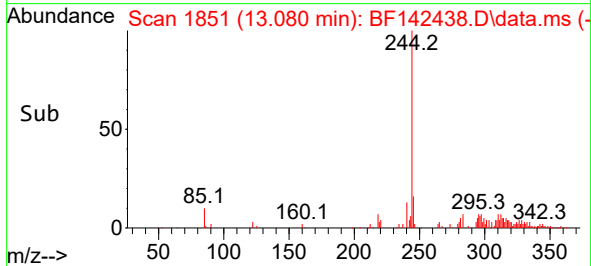
Instrument :
 BNA_F
 ClientSampleId :
 281



Tgt Ion:244 Resp: 126209
 Ion Ratio Lower Upper
 244 100
 212 12.8 5.4 8.2
 122 27.1 9.0 13.4

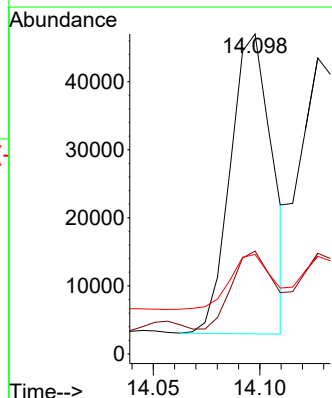
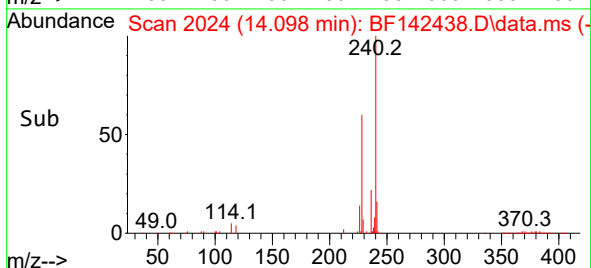
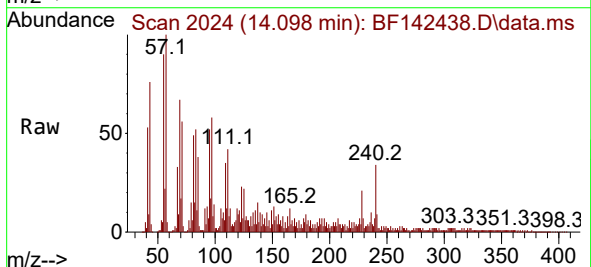
Manual Integrations
 APPROVED

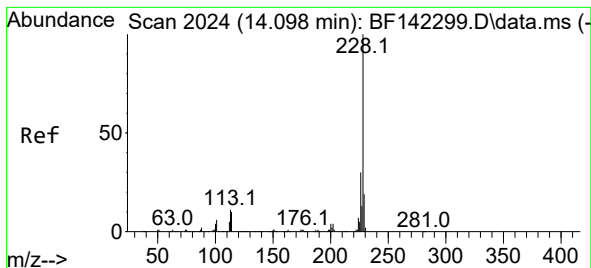
Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025



#81
 Benzo(a)anthracene
 Concen: 6.872 ng
 RT: 14.098 min Scan# 2024
 Delta R.T. 0.035 min
 Lab File: BF142438.D
 Acq: 16 May 2025 20:38

Tgt Ion:228 Resp: 59947
 Ion Ratio Lower Upper
 228 100
 226 32.1 21.5 32.3
 229 31.1 15.9 23.9





#83

Chrysene

Concen: 7.030 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.029 min

Lab File: BF142438.D

Acq: 16 May 2025 20:38

Instrument :

BNA_F

ClientSampleId :

281

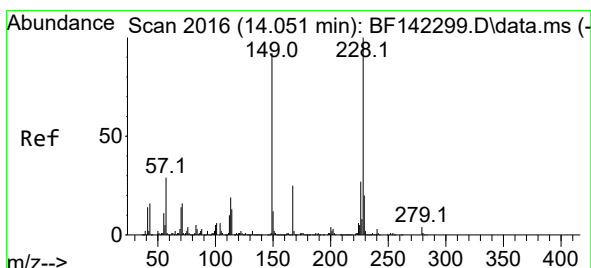
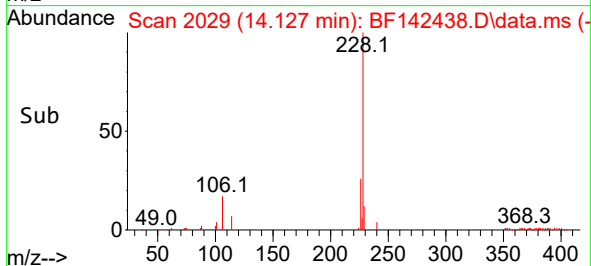
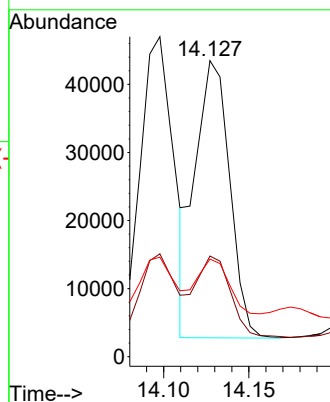
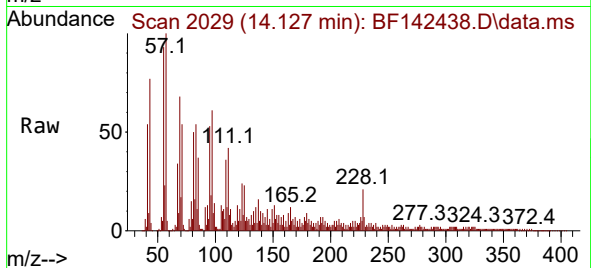
Tgt Ion:228 Resp: 57085
 Ion Ratio Lower Upper
 228 100
 226 34.0 23.9 35.9
 229 33.0 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 34.225 ng

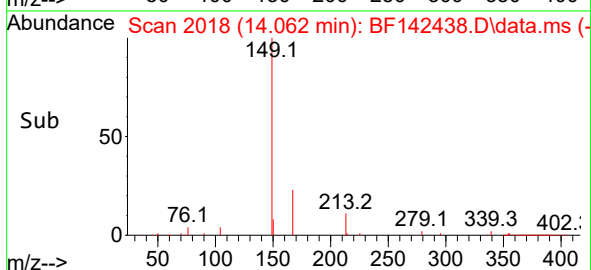
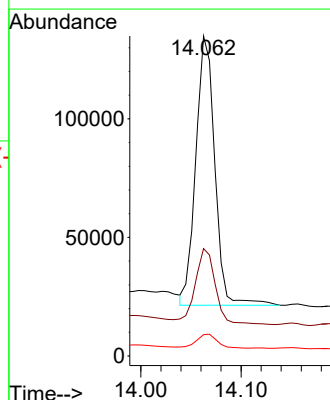
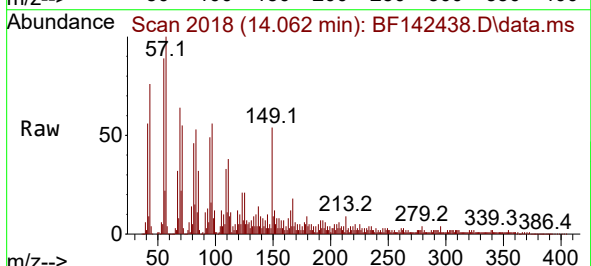
RT: 14.062 min Scan# 2018

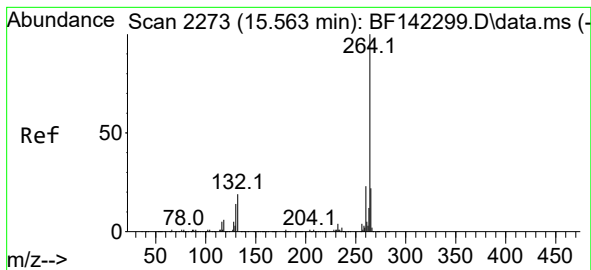
Delta R.T. 0.011 min

Lab File: BF142438.D

Acq: 16 May 2025 20:38

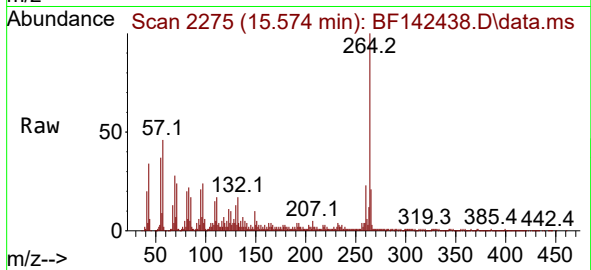
Tgt Ion:149 Resp: 149864
 Ion Ratio Lower Upper
 149 100
 167 33.6 22.0 33.0#
 279 6.7 3.0 4.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

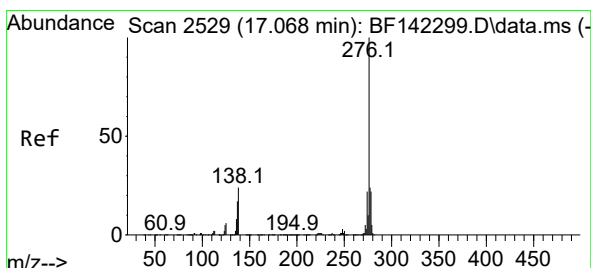
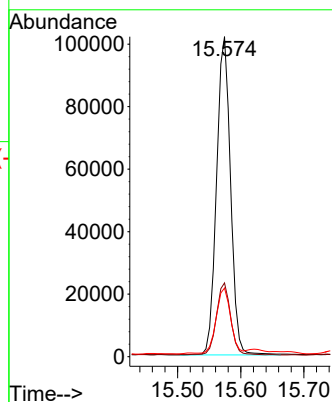
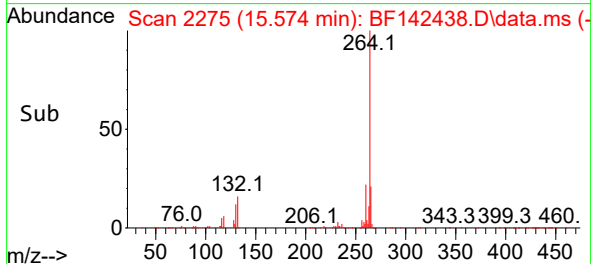
Instrument :
BNA_F
ClientSampleId :
281



Tgt Ion:264 Resp: 15668
Ion Ratio Lower Upper
264 100
260 23.0 18.6 27.8
265 21.4 17.5 26.3

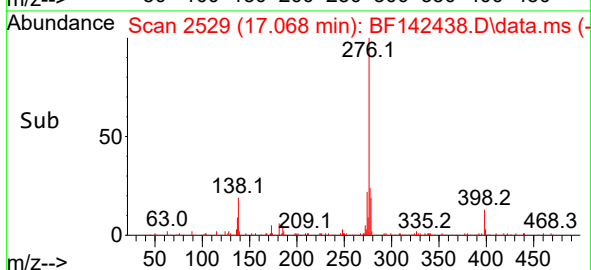
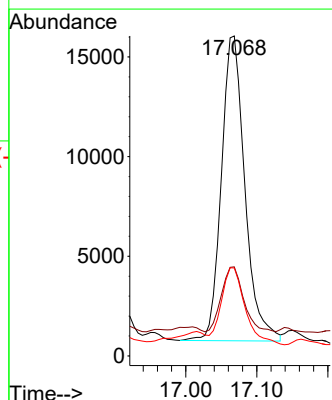
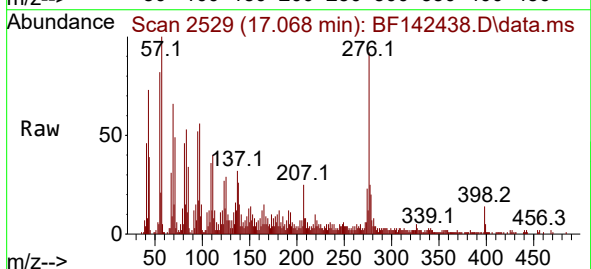
Manual Integrations
APPROVED

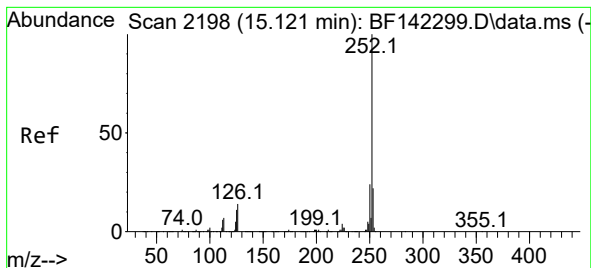
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.217 ng
RT: 17.068 min Scan# 2529
Delta R.T. -0.000 min
Lab File: BF142438.D
Acq: 16 May 2025 20:38

Tgt Ion:276 Resp: 35059
Ion Ratio Lower Upper
276 100
138 20.4 22.0 33.0#
277 25.6 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 8.939 ng m

RT: 15.139 min Scan# 2198

Delta R.T. 0.017 min

Lab File: BF142438.D

Acq: 16 May 2025 20:38

Instrument :

BNA_F

ClientSampleId :

281

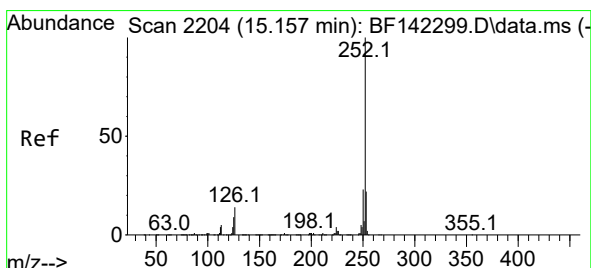
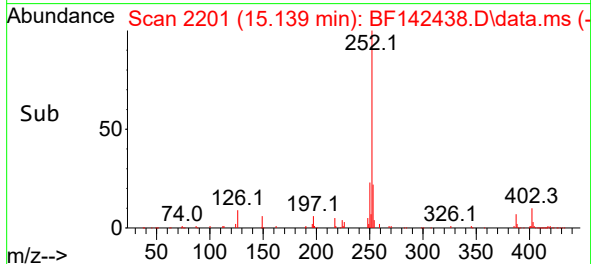
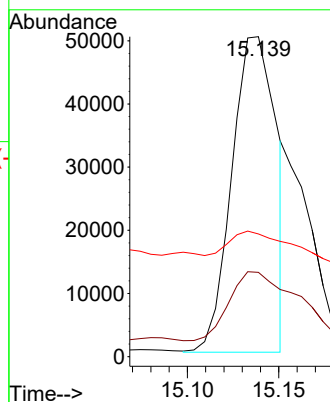
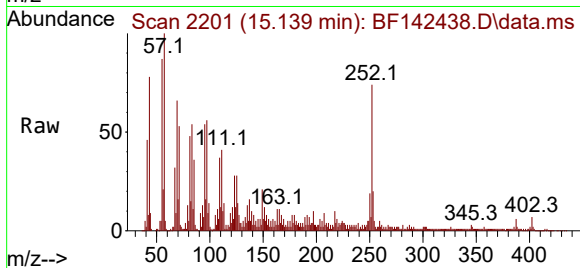
Tgt Ion:252 Resp: 84829
 Ion Ratio Lower Upper
 252 100
 253 26.4 17.7 26.5
 125 38.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#89

Benzo(k)fluoranthene

Concen: 3.730 ng m

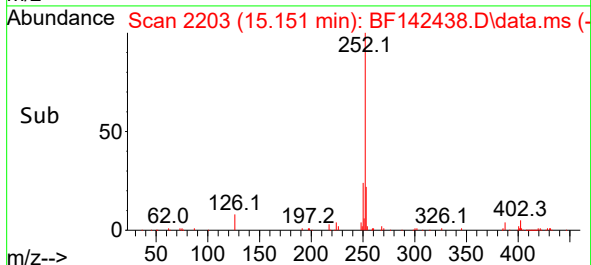
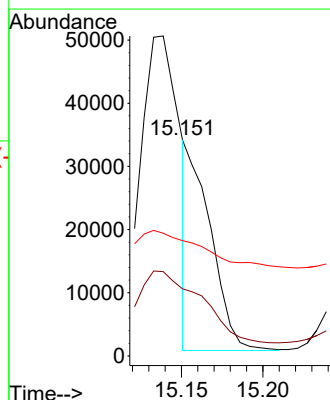
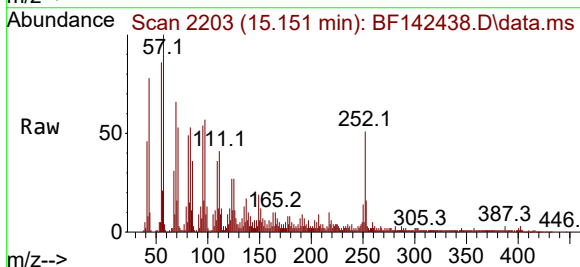
RT: 15.151 min Scan# 2203

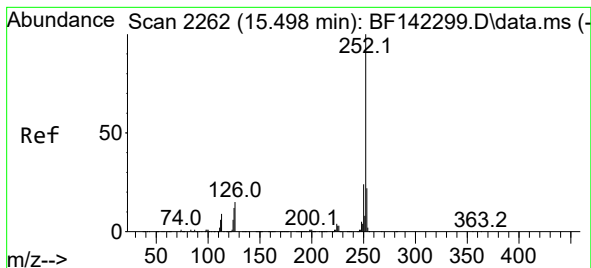
Delta R.T. -0.006 min

Lab File: BF142438.D

Acq: 16 May 2025 20:38

Tgt Ion:252 Resp: 32396
 Ion Ratio Lower Upper
 252 100
 253 31.1 17.6 26.4#
 125 53.4 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 6.722 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF142438.D

Acq: 16 May 2025 20:38

Instrument :

BNA_F

ClientSampleId :

281

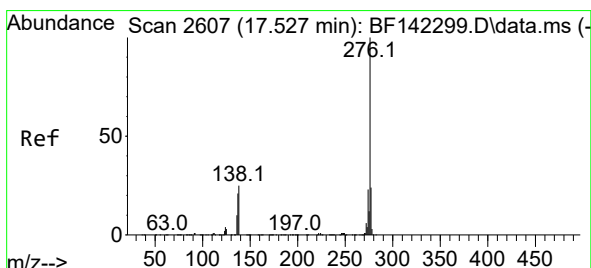
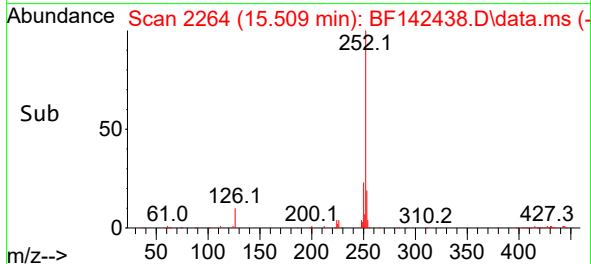
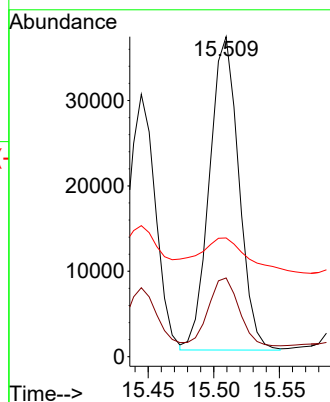
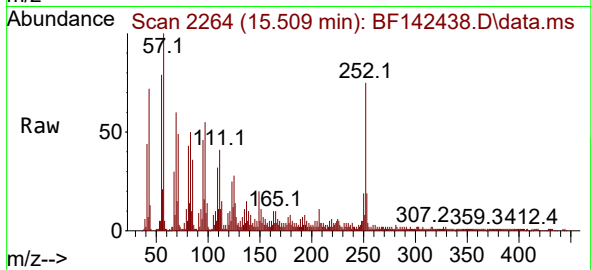
Tgt Ion:	252	Resp:	57164
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.6
125	37.1	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#92

Benzo(g,h,i)perylene

Concen: 3.849 ng

RT: 17.521 min Scan# 2606

Delta R.T. -0.006 min

Lab File: BF142438.D

Acq: 16 May 2025 20:38

Tgt Ion:	276	Resp:	34398
Ion Ratio	Lower	Upper	
276	100		
277	28.0	19.0	28.6
138	28.6	19.8	29.6

