

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142548.D
 Acq On : 23 May 2025 21:22
 Operator : RC/JU
 Sample : Q2112-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-05222025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/27/2025
 Supervised By :Jagrut Upadhyay 05/27/2025

Quant Time: May 23 22:55:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	110016	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	351970	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	147389	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	263408	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	242244	20.000	ng	0.00
86) Perylene-d12	15.563	264	175543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	158191	24.225	ng	-0.01
7) Phenol-d6	6.516	99	182810	23.256	ng	-0.02
23) Nitrobenzene-d5	7.451	82	106260	16.462	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	36356	22.225	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	192384	17.515	ng	-0.02
79) Terphenyl-d14	13.010	244	223825	12.626	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	30906	2.195	ng	99
75) Fluoranthene	12.639	202	61628	4.685	ng	97
78) Pyrene	12.869	202	64046	2.834	ng	98
88) Benzo(b)fluoranthene	15.121	252	28941m	2.786	ng	
90) Benzo(a)pyrene	15.498	252	20429	2.086	ng	# 78

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

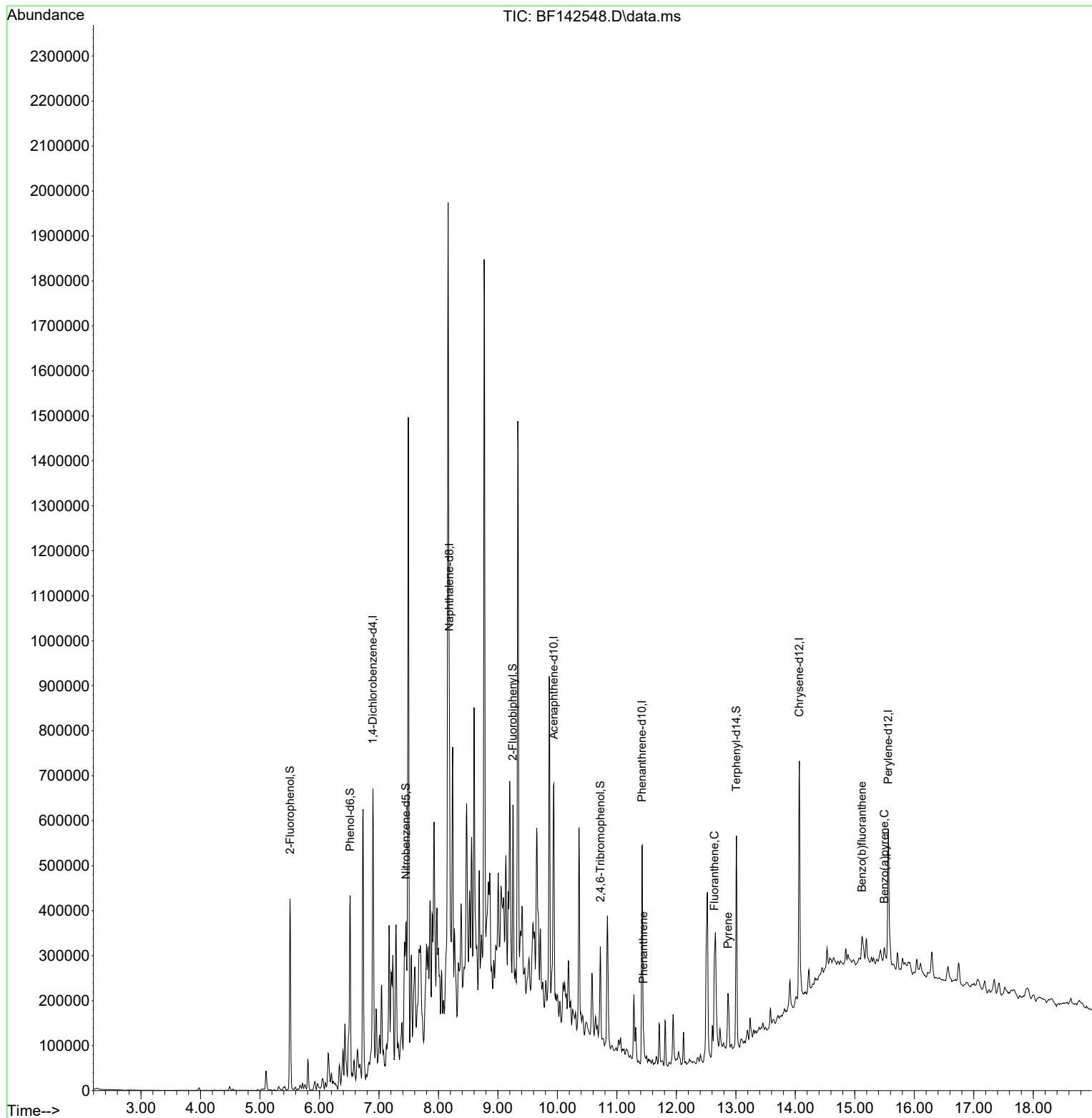
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142548.D
Acq On : 23 May 2025 21:22
Operator : RC/JU
Sample : Q2112-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

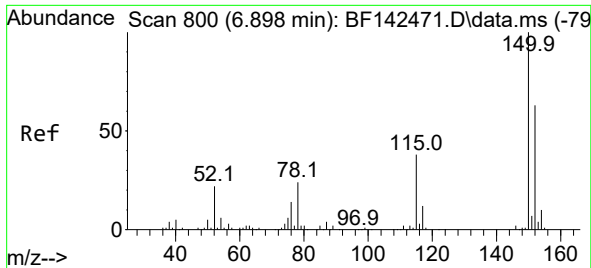
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

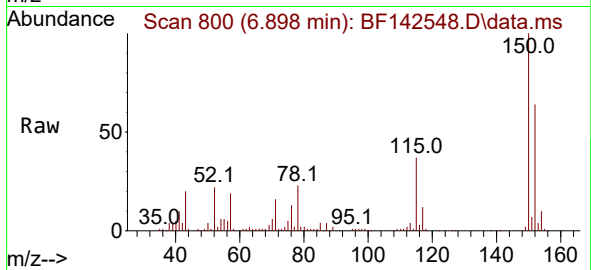
Quant Time: May 23 22:55:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

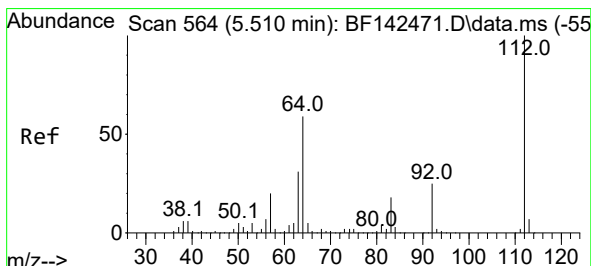
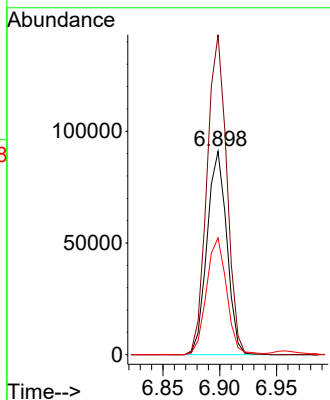
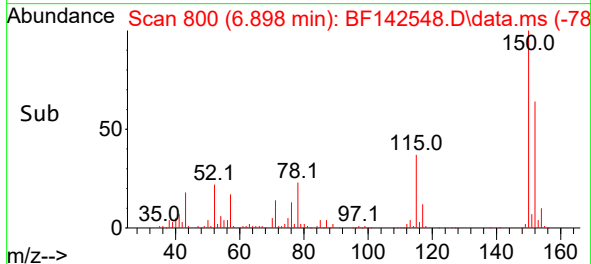
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



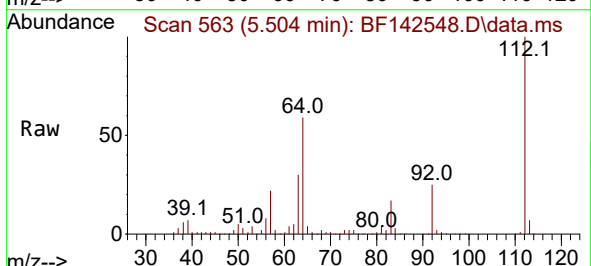
Tgt Ion:152 Resp: 110010
Ion Ratio Lower Upper
152 100
150 157.3 128.2 192.4
115 57.4 48.3 72.5

Manual Integrations
APPROVED

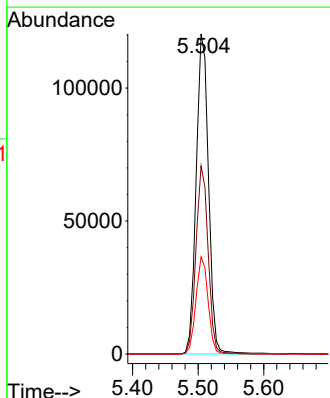
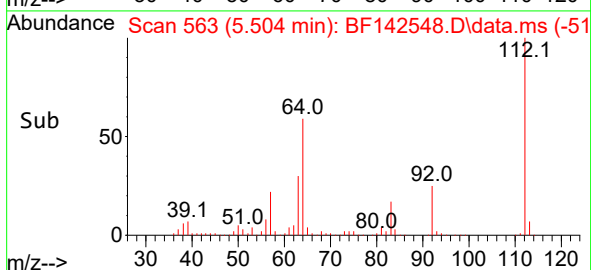
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

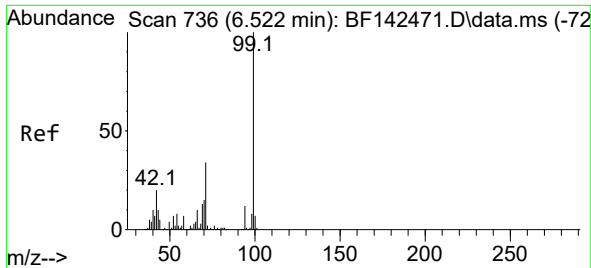


#5
2-Fluorophenol
Concen: 24.225 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22



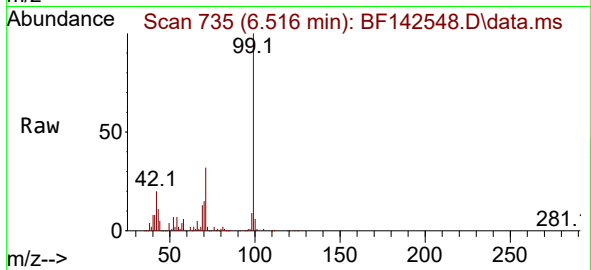
Tgt Ion:112 Resp: 158191
Ion Ratio Lower Upper
112 100
64 58.8 47.5 71.3
63 30.3 24.9 37.3





#7
Phenol-d6
Concen: 23.256 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

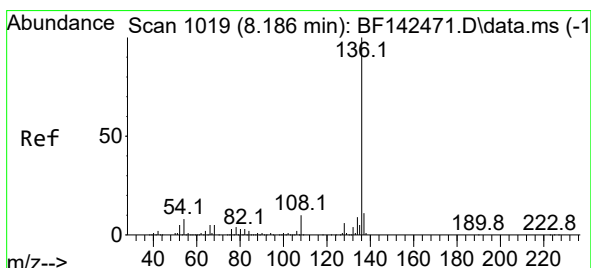
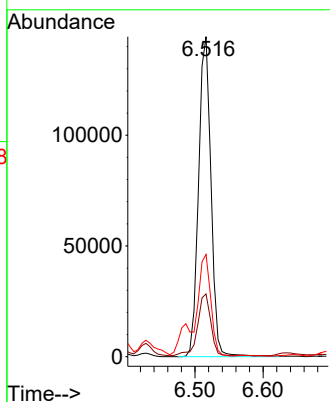
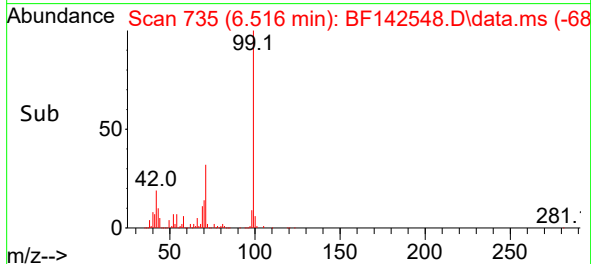
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



Tgt Ion: 99 Resp: 182810
Ion Ratio Lower Upper
99 100
42 19.6 16.2 24.2
71 31.9 27.3 40.9

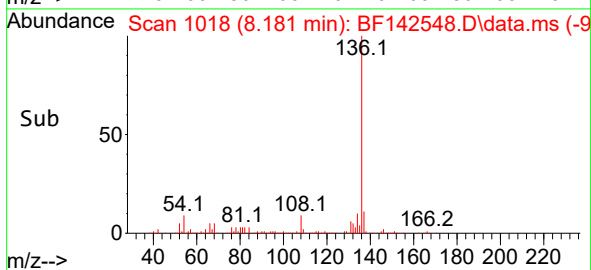
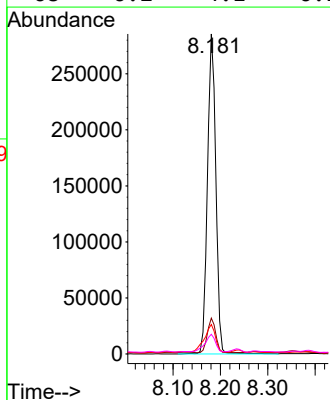
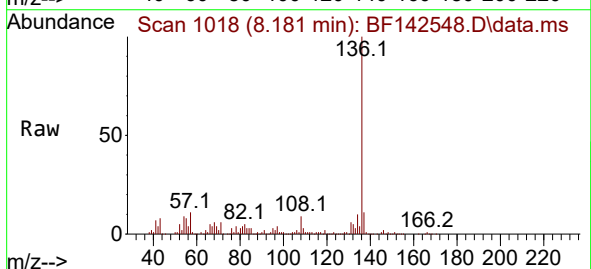
Manual Integrations
APPROVED

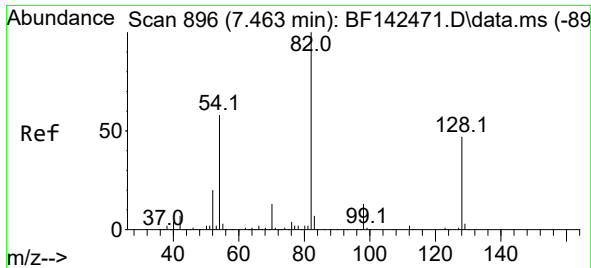
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

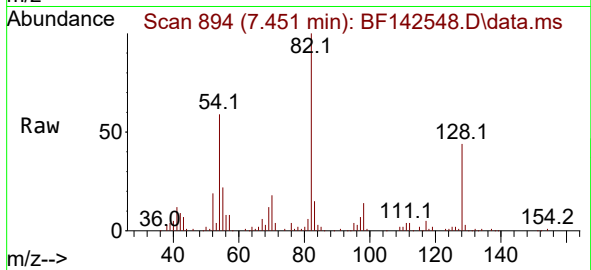
Tgt Ion:136 Resp: 351970
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.2 6.6 10.0
68 6.2 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 16.462 ng
RT: 7.451 min Scan# 896
Delta R.T. -0.023 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

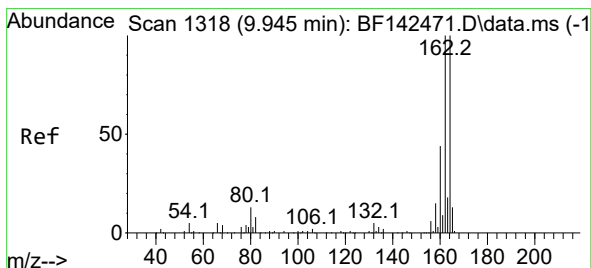
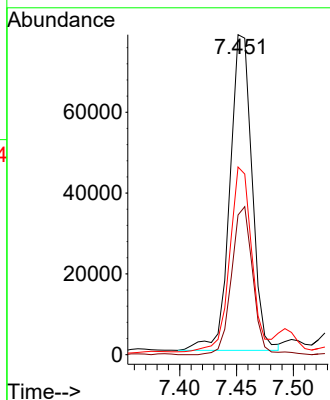
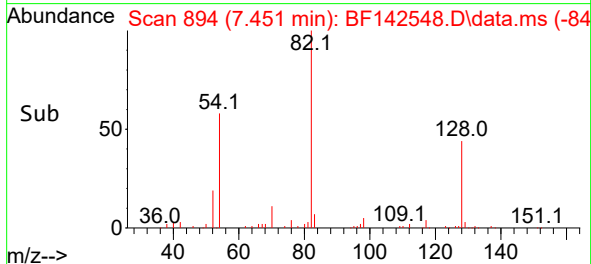
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



Tgt Ion: 82 Resp: 106260
Ion Ratio Lower Upper
82 100
128 43.6 37.4 56.2
54 58.6 46.6 70.0

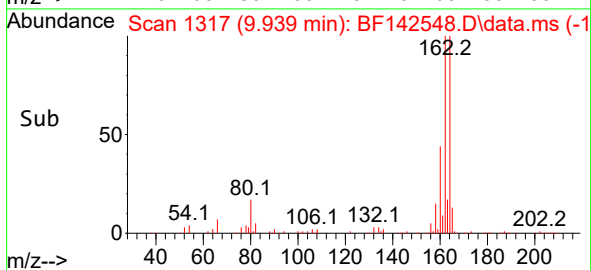
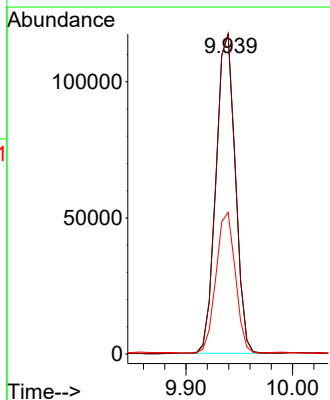
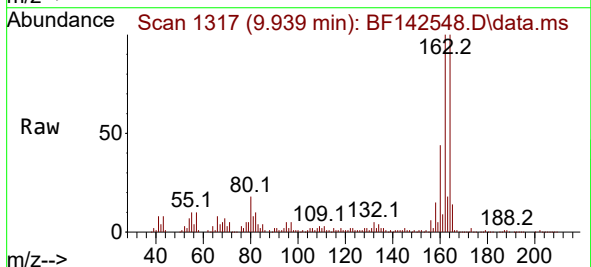
Manual Integrations
APPROVED

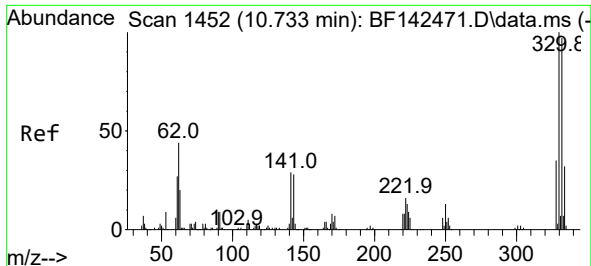
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

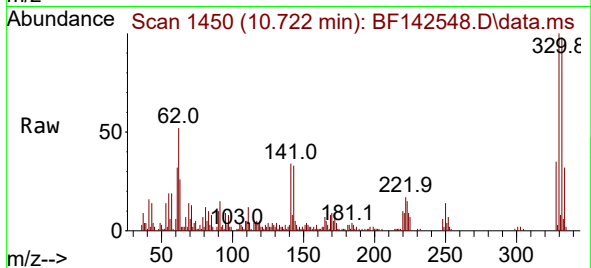
Tgt Ion:164 Resp: 147389
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.2 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 22.225 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.017 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

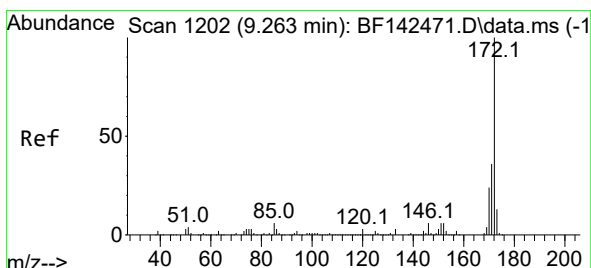
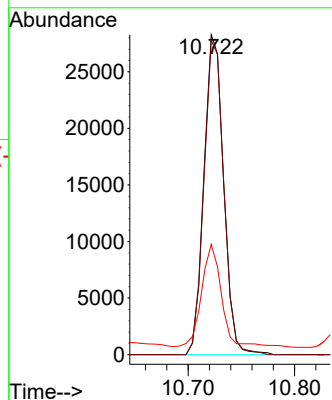
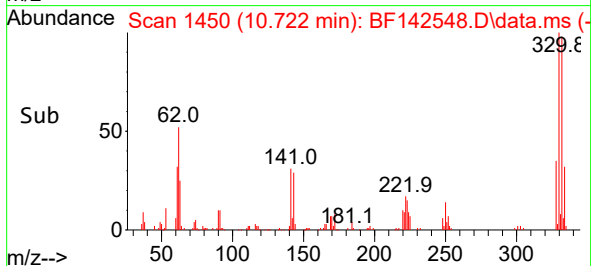
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



Tgt Ion: 330 Resp: 36350
Ion Ratio Lower Upper
330 100
332 98.5 77.6 116.4
141 33.1 24.6 36.8

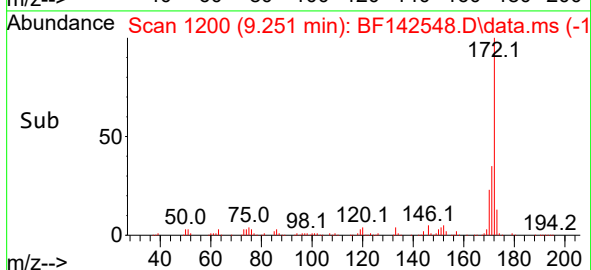
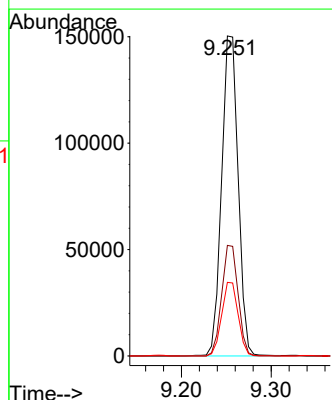
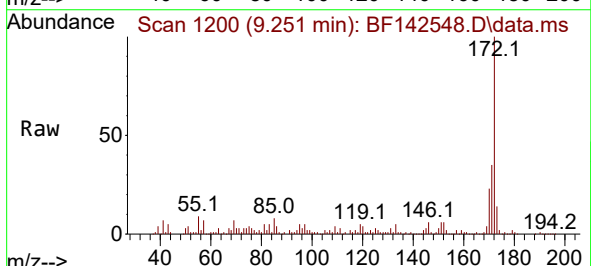
Manual Integrations
APPROVED

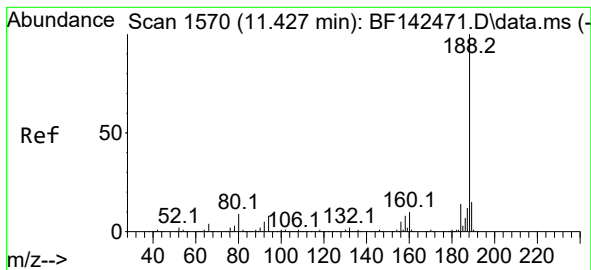
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#45
2-Fluorobiphenyl
Concen: 17.515 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

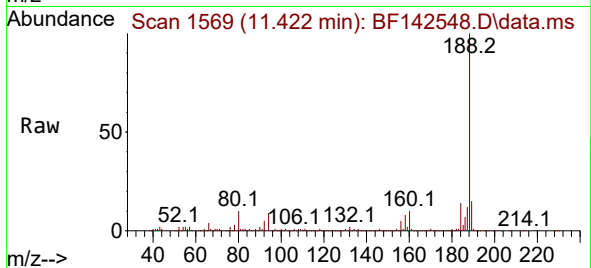
Tgt Ion: 172 Resp: 192384
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 23.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

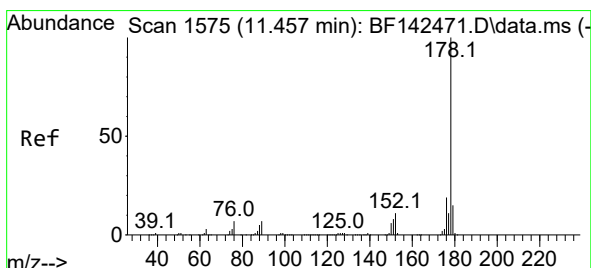
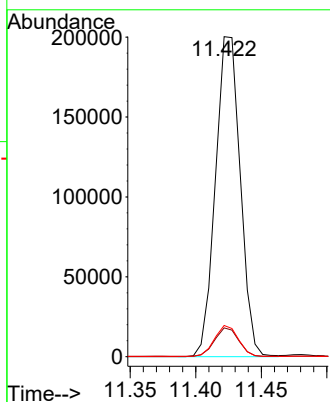
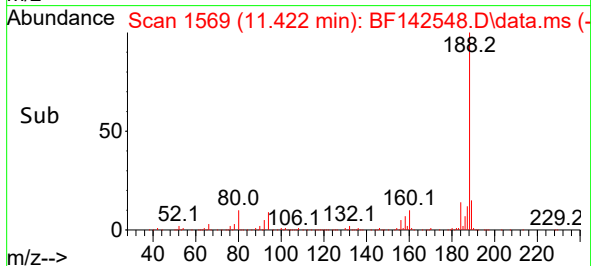
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



Tgt Ion:188 Resp: 263408
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.7 7.4 11.0

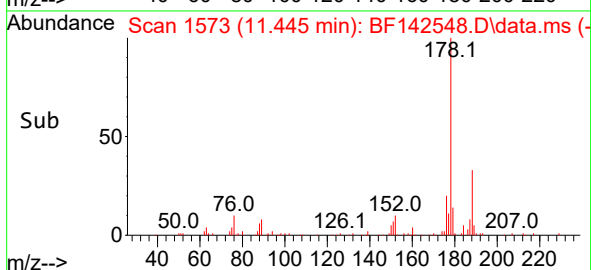
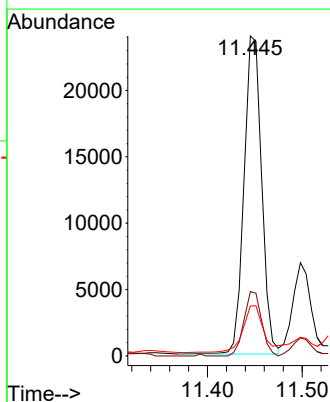
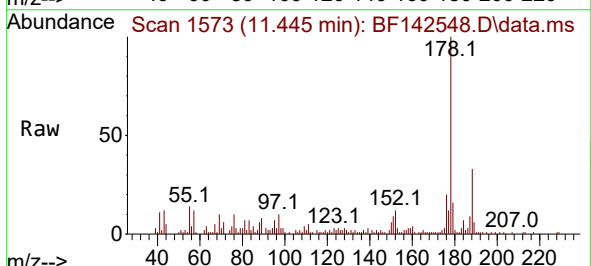
Manual Integrations
APPROVED

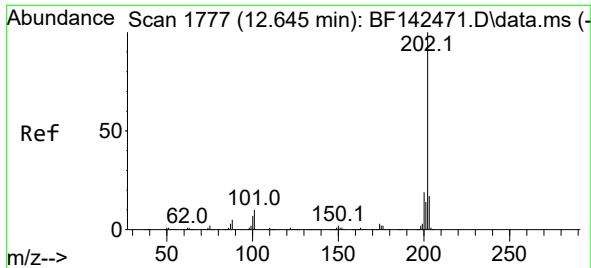
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#71
Phenanthrene
Concen: 2.195 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

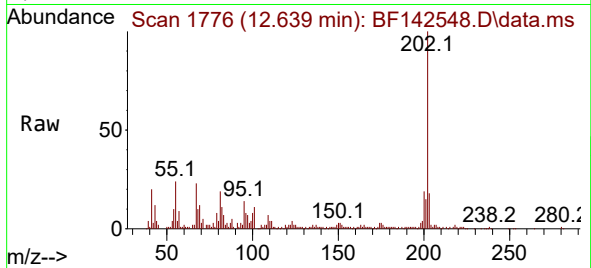
Tgt Ion:178 Resp: 30906
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.0
179 15.6 12.3 18.5





#75
Fluoranthene
Concen: 4.685 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

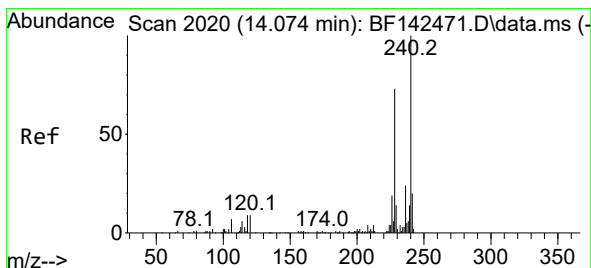
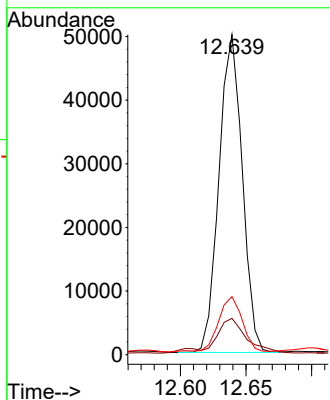
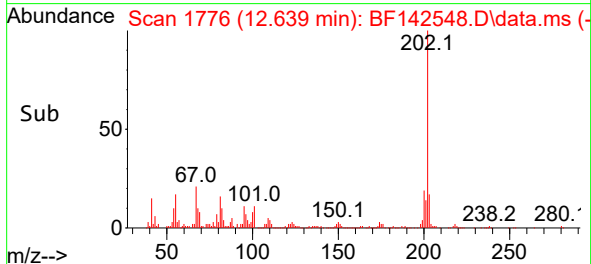
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



Tgt Ion:202 Resp: 61628
Ion Ratio Lower Upper
202 100
101 11.4 0.0 29.6
203 18.2 0.0 37.2

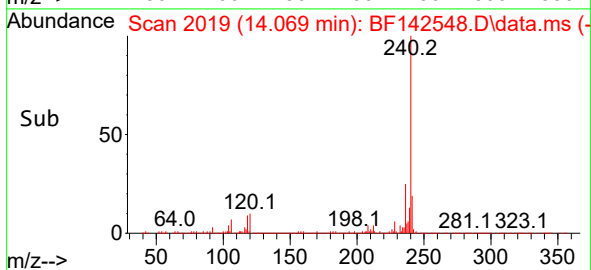
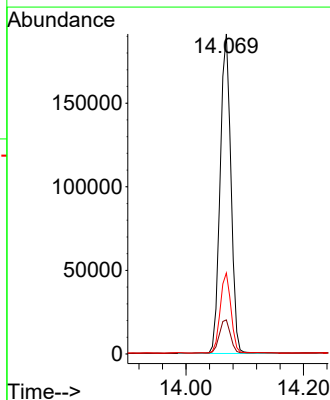
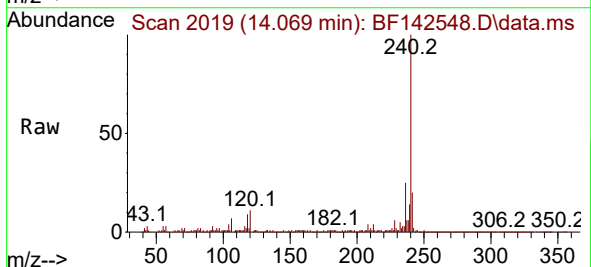
Manual Integrations
APPROVED

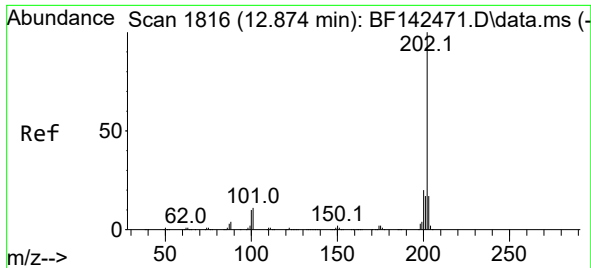
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

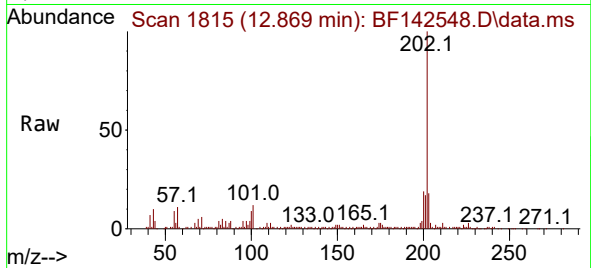
Tgt Ion:240 Resp: 242244
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 25.3 19.6 29.4





#78
Pyrene
Concen: 2.834 ng
RT: 12.869 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

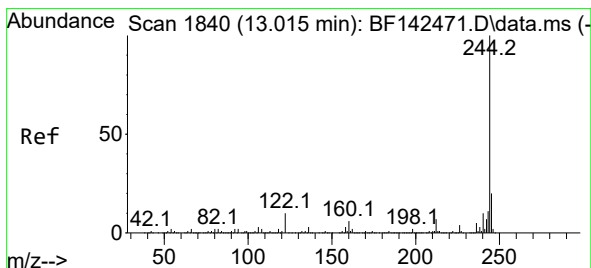
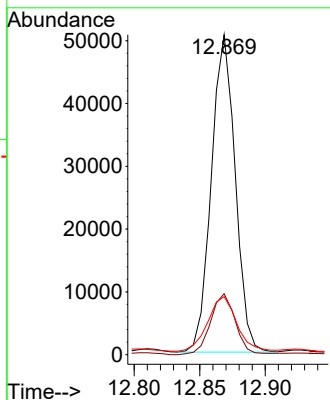
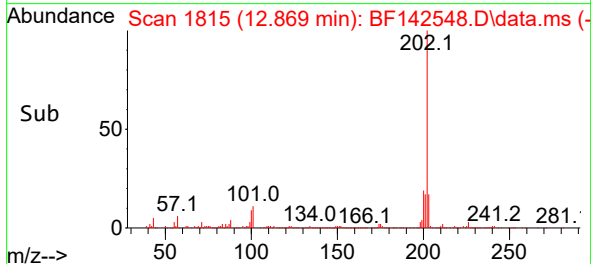
Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



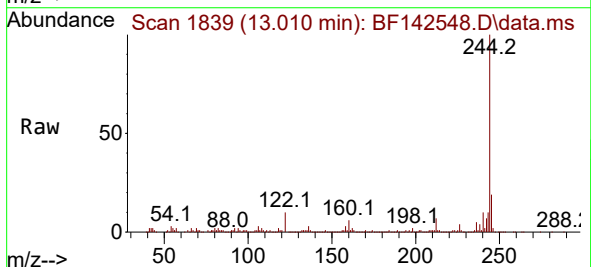
Tgt Ion:202 Resp: 64040
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 18.2 13.9 20.9

Manual Integrations
APPROVED

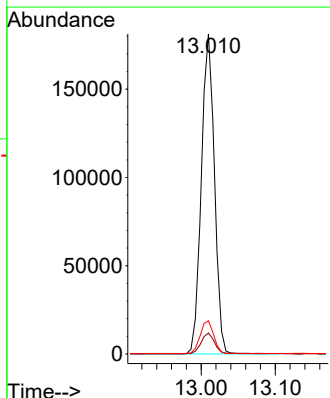
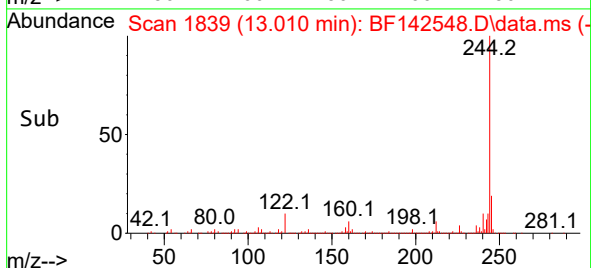
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

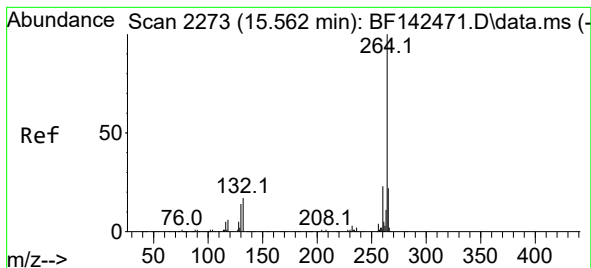


#79
Terphenyl-d14
Concen: 12.626 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22



Tgt Ion:244 Resp: 223825
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 10.3 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142548.D

Acq: 23 May 2025 21:22

Instrument :

BNA_F

ClientSampleId :

EO-03-05222025

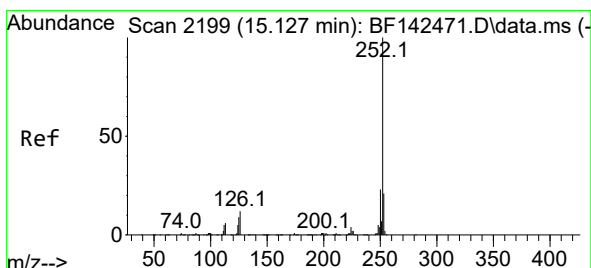
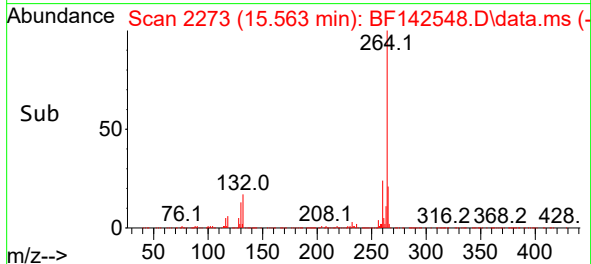
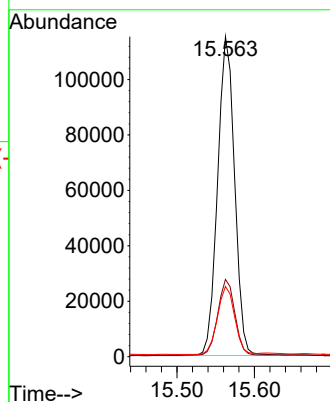
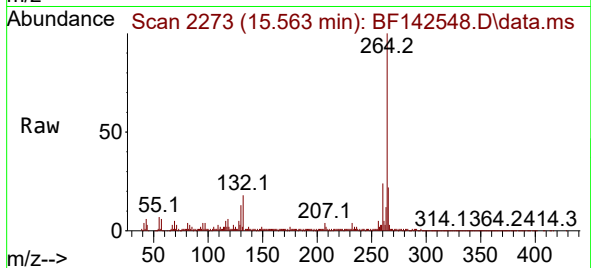
Tgt Ion:264 Resp: 17554
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.6 28.0
 265 21.9 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#88

Benzo(b)fluoranthene

Concen: 2.786 ng m

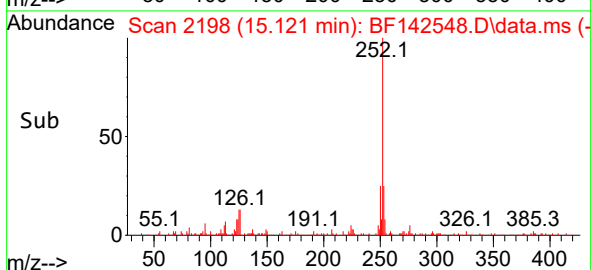
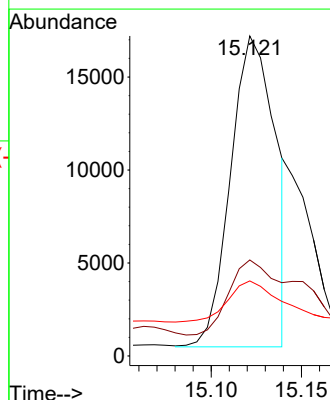
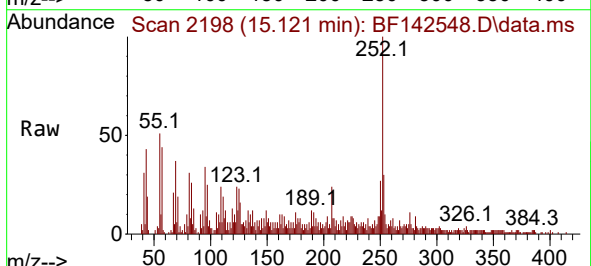
RT: 15.121 min Scan# 2198

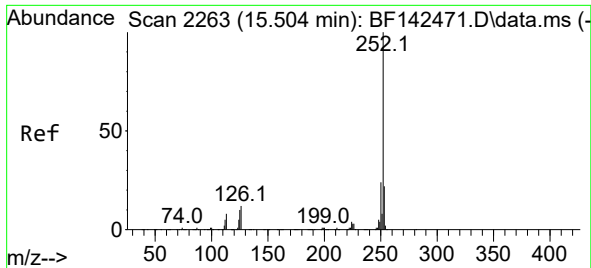
Delta R.T. -0.006 min

Lab File: BF142548.D

Acq: 23 May 2025 21:22

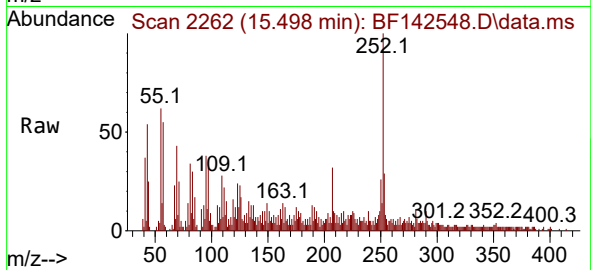
Tgt Ion:252 Resp: 28941
 Ion Ratio Lower Upper
 252 100
 253 30.0 17.0 25.4#
 125 23.5 7.4 11.0#





#90
Benzo(a)pyrene
Concen: 2.086 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142548.D
Acq: 23 May 2025 21:22

Instrument :
BNA_F
ClientSampleId :
EO-03-05222025



Tgt Ion:252 Resp: 20429
Ion Ratio Lower Upper
252 100
253 29.2 17.4 26.0
125 23.0 7.9 11.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

