

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142683.D
 Acq On : 07 Jun 2025 10:57
 Operator : RC/JU
 Sample : Q2224-01 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-06042025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/09/2025
 Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 09 01:05:02 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	6.892	152	109169	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	343201	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	158046	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	280675	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	222975	20.000	ng	0.00
86) Perylene-d12	15.568	264	164448	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	113270	17.480	ng	-0.01
7) Phenol-d6	6.516	99	126280	16.189	ng	-0.02
23) Nitrobenzene-d5	7.451	82	72994	11.598	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	28824	16.432	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	151480	12.861	ng	-0.02
79) Terphenyl-d14	13.010	244	184441	11.304	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	48041	3.203	ng	99
75) Fluoranthene	12.639	202	169089	12.064	ng	99
78) Pyrene	12.868	202	157159	7.556	ng	98
81) Benzo(a)anthracene	14.057	228	80741	5.423	ng	94
83) Chrysene	14.092	228	65833m	4.921	ng	
87) Indeno(1,2,3-cd)pyrene	17.074	276	30151	2.442	ng	99
88) Benzo(b)fluoranthene	15.127	252	66817m	6.865	ng	
89) Benzo(k)fluoranthene	15.139	252	27259m	2.990	ng	
90) Benzo(a)pyrene	15.498	252	48859	5.326	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	30826	3.078	ng	# 89

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

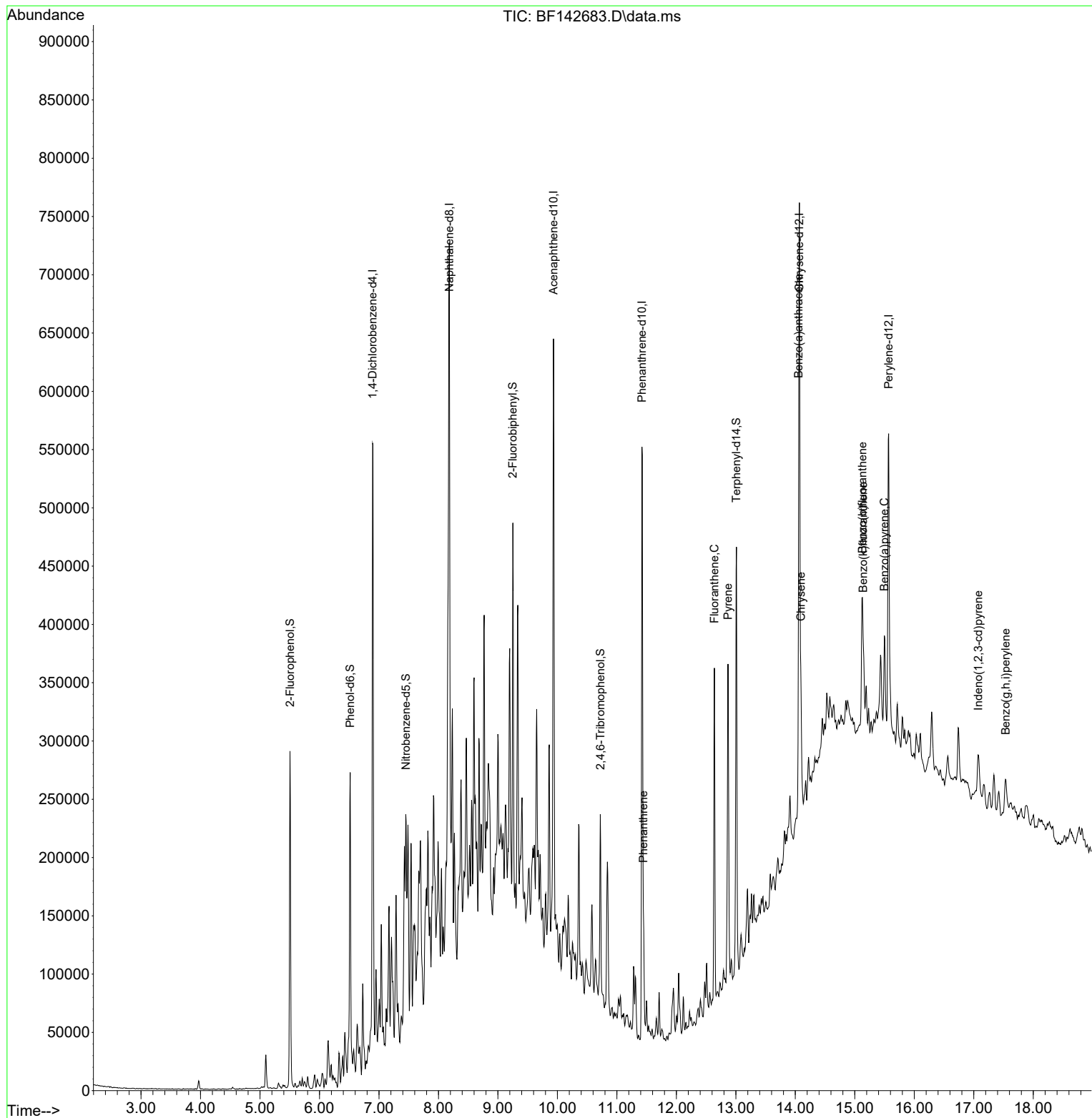
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142683.D
Acq On : 07 Jun 2025 10:57
Operator : RC/JU
Sample : Q2224-01 5X
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

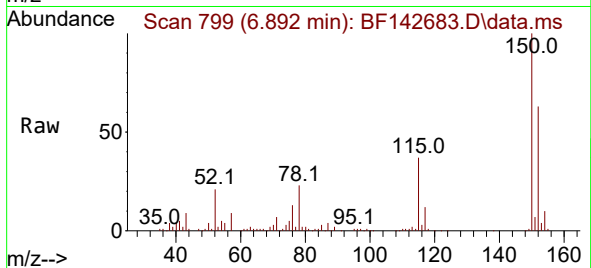
Quant Time: Jun 09 01:05:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

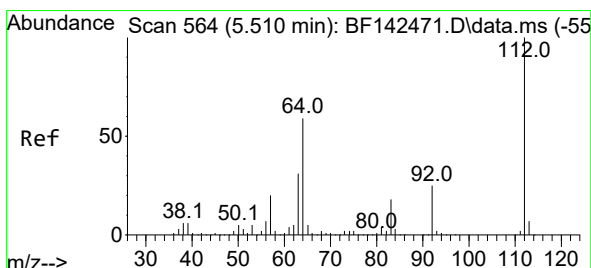
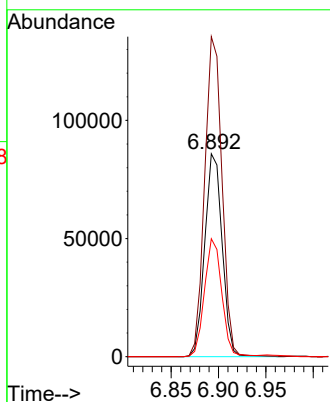
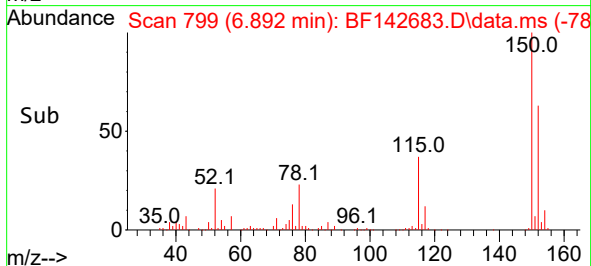
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:152 Resp: 109169
Ion Ratio Lower Upper
152 100
150 157.7 128.2 192.4
115 58.2 48.3 72.5

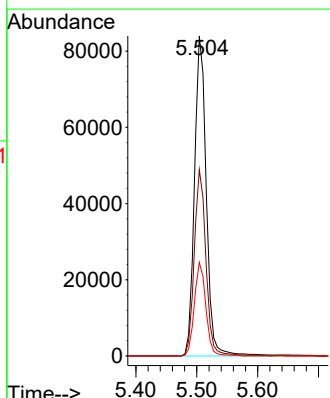
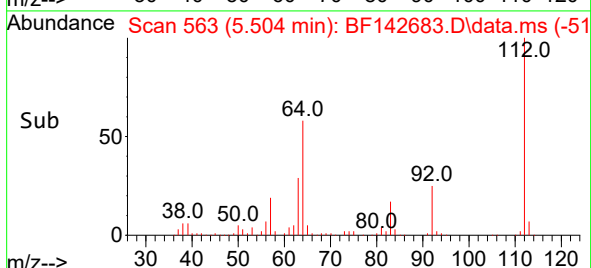
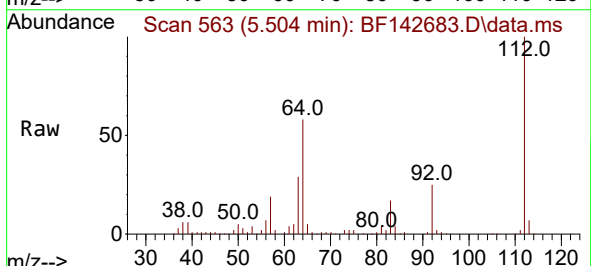
Manual Integrations
APPROVED

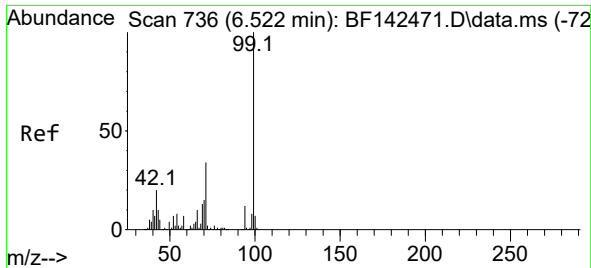
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#5
2-Fluorophenol
Concen: 17.480 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

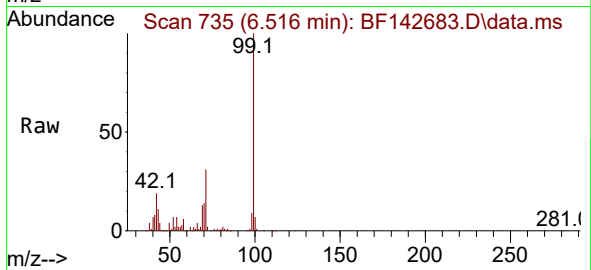
Tgt Ion:112 Resp: 113270
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 29.2 24.9 37.3





#7
Phenol-d6
Concen: 16.189 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

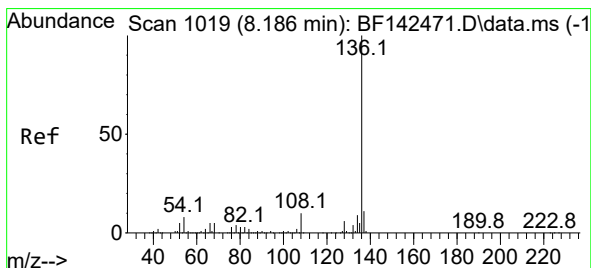
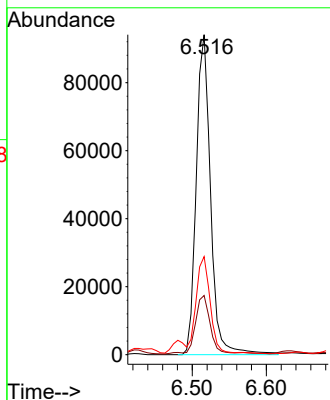
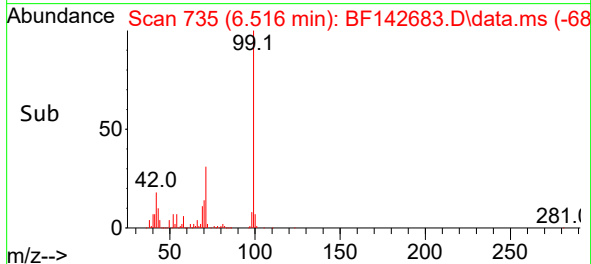
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion: 99 Resp: 126280
Ion Ratio Lower Upper
99 100
42 18.5 16.2 24.2
71 30.7 27.3 40.9

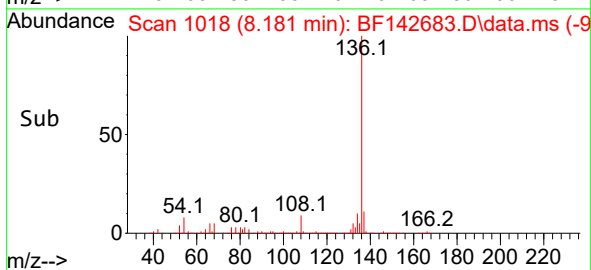
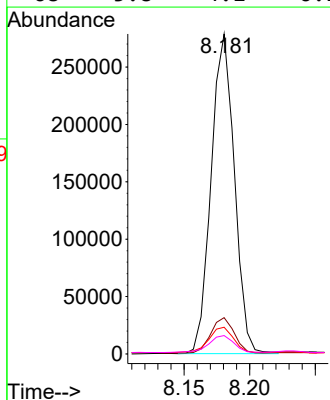
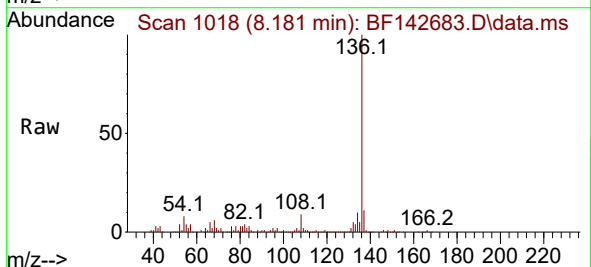
Manual Integrations
APPROVED

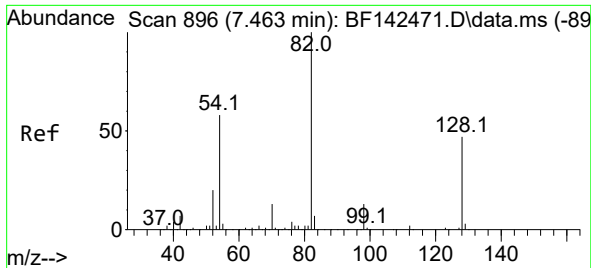
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

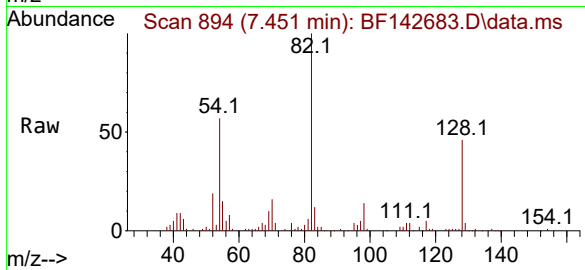
Tgt Ion:136 Resp: 343201
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.4 6.6 10.0
68 5.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 11.598 ng
RT: 7.451 min Scan# 896
Delta R.T. -0.023 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

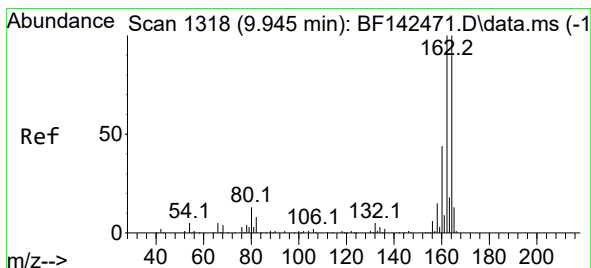
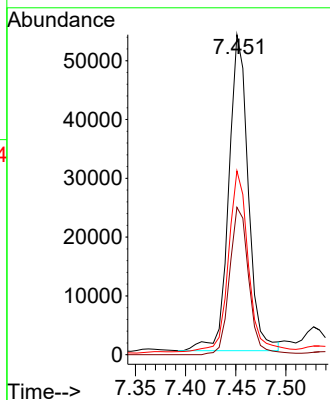
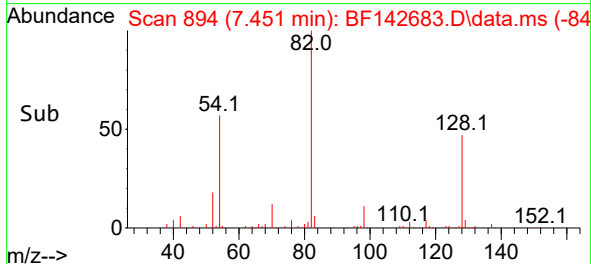
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion: 82 Resp: 72994
Ion Ratio Lower Upper
82 100
128 46.1 37.4 56.2
54 57.5 46.6 70.0

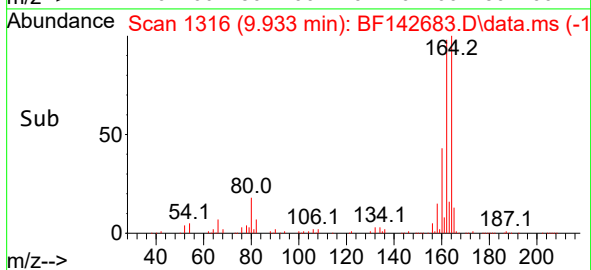
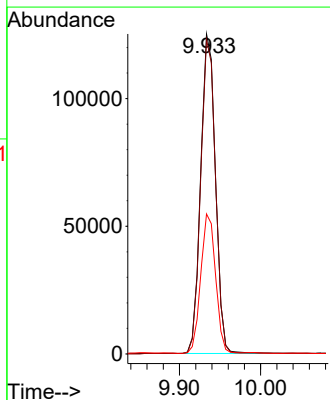
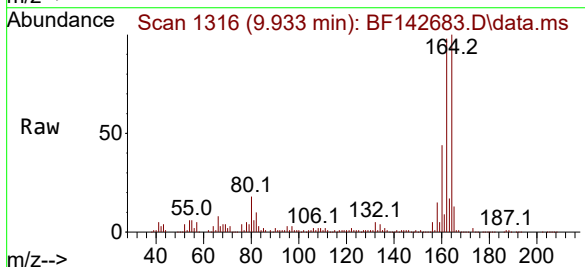
Manual Integrations
APPROVED

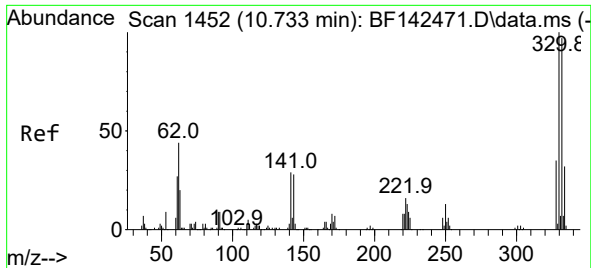
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

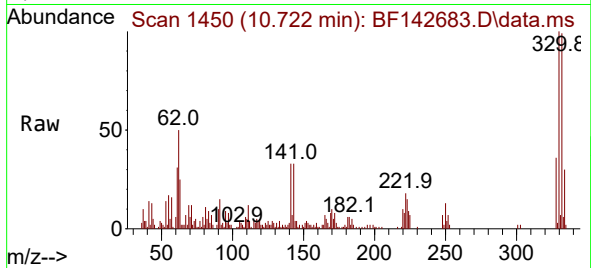
Tgt Ion:164 Resp: 158046
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.4
160 43.8 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 16.432 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

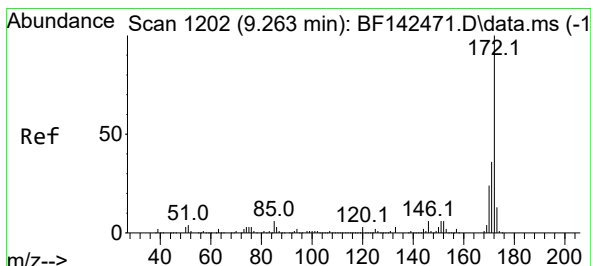
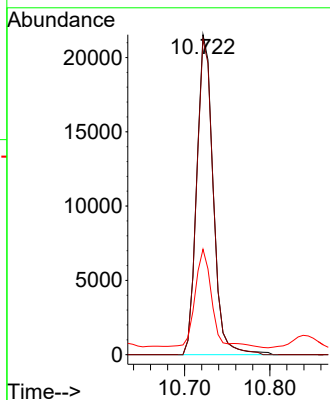
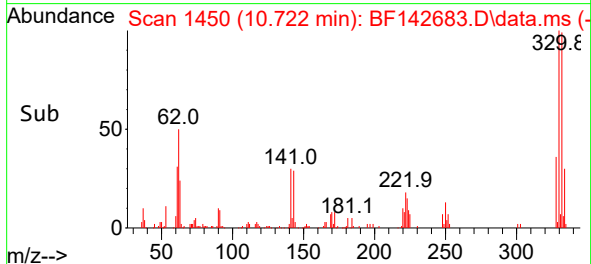
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



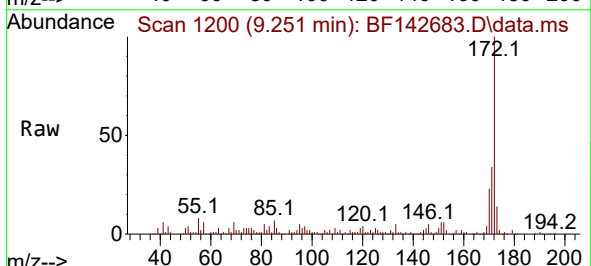
Tgt Ion: 330 Resp: 28824
Ion Ratio Lower Upper
330 100
332 98.8 77.6 116.4
141 32.0 24.6 36.8

Manual Integrations
APPROVED

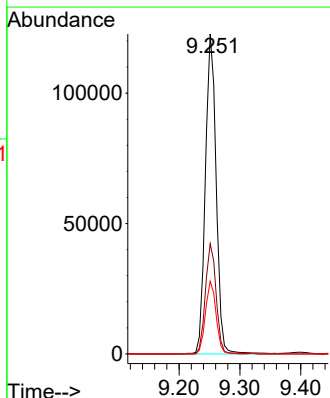
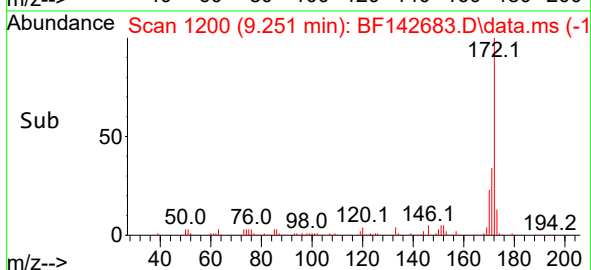
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

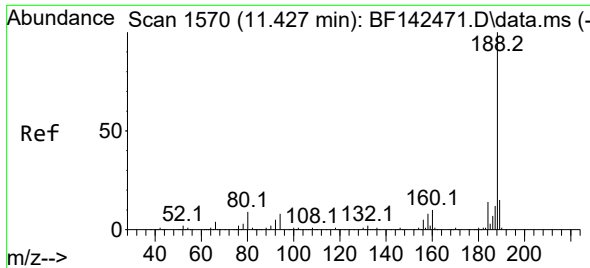


#45
2-Fluorobiphenyl
Concen: 12.861 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57



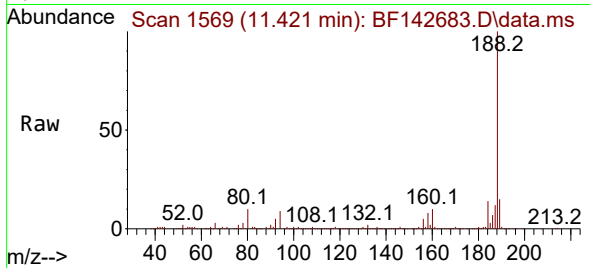
Tgt Ion: 172 Resp: 151480
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 22.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

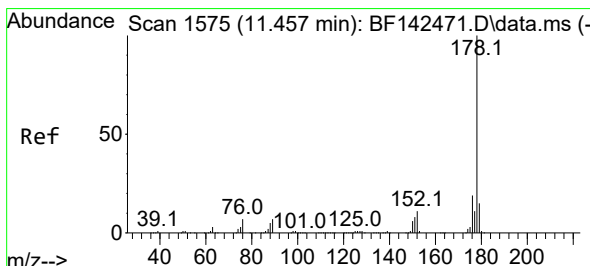
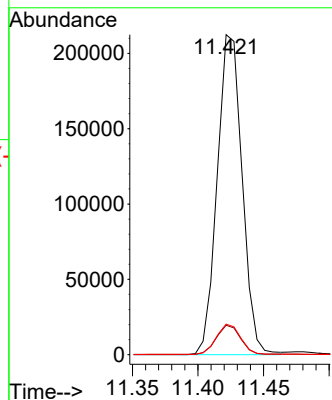
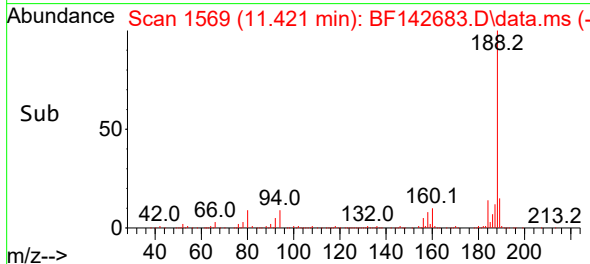
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:188 Resp: 280675
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.6 7.4 11.0

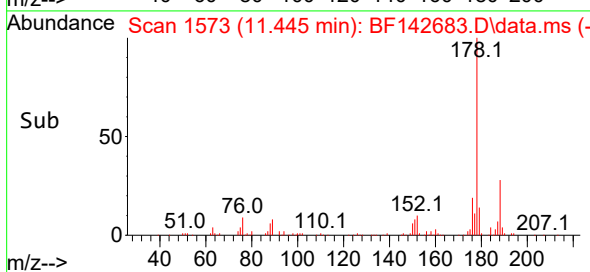
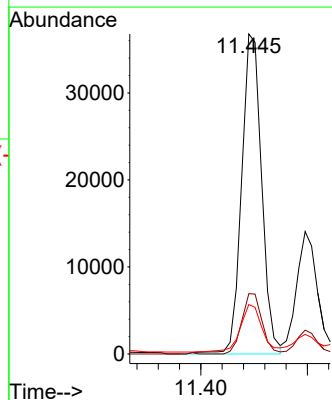
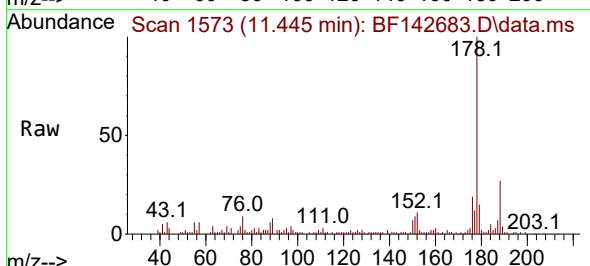
Manual Integrations
APPROVED

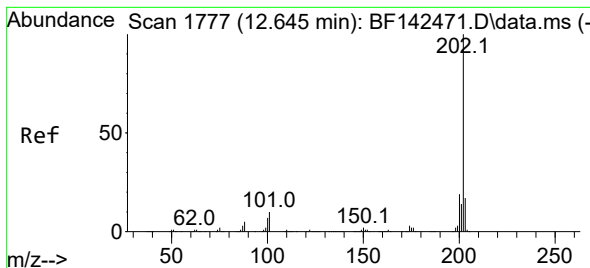
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#71
Phenanthrene
Concen: 3.203 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

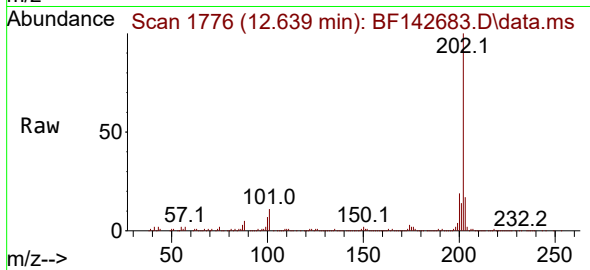
Tgt Ion:178 Resp: 48041
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.5 12.3 18.5





#75
Fluoranthene
Concen: 12.064 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

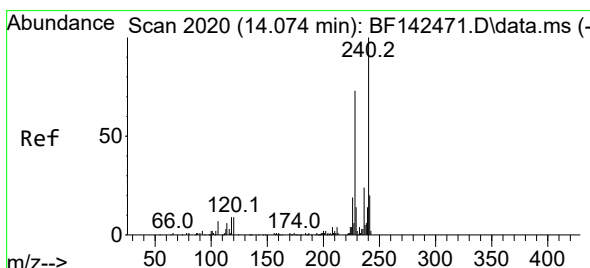
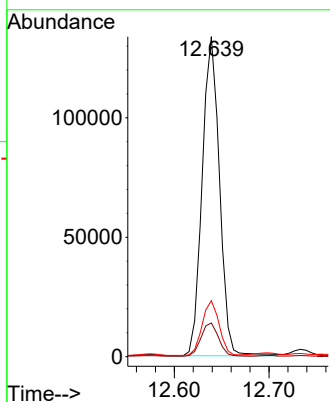
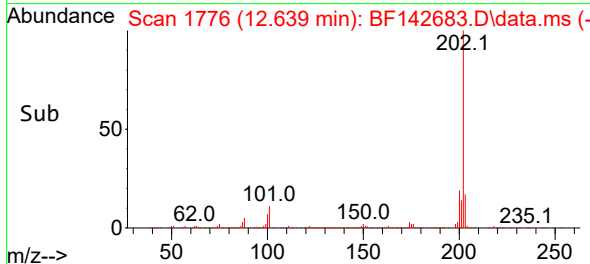
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:202 Resp: 169089
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.6
203 17.5 0.0 37.2

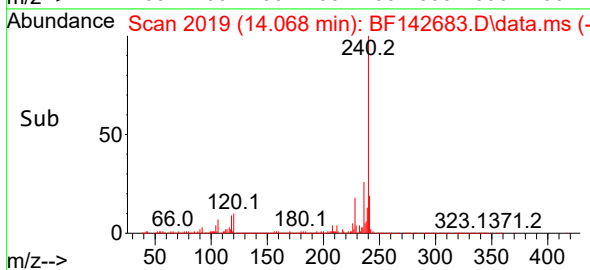
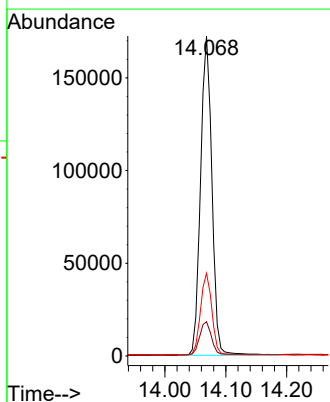
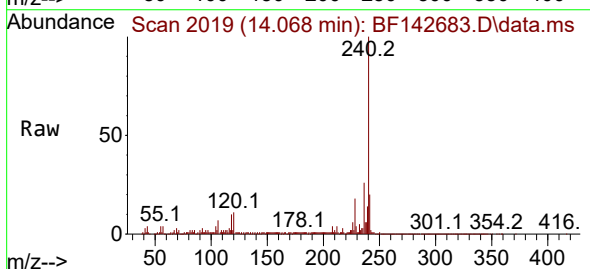
Manual Integrations
APPROVED

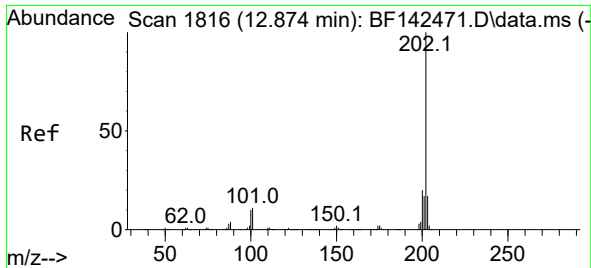
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

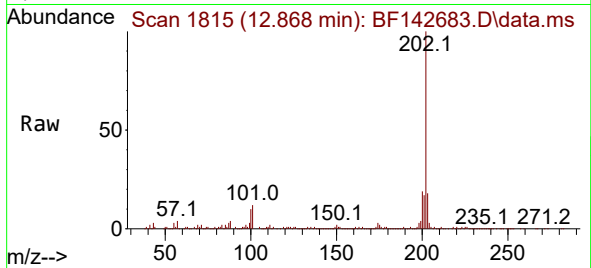
Tgt Ion:240 Resp: 222975
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 25.9 19.6 29.4





#78
Pyrene
Concen: 7.556 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

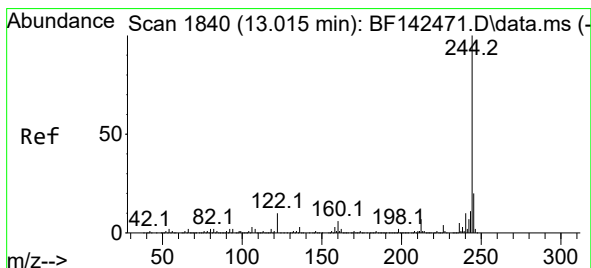
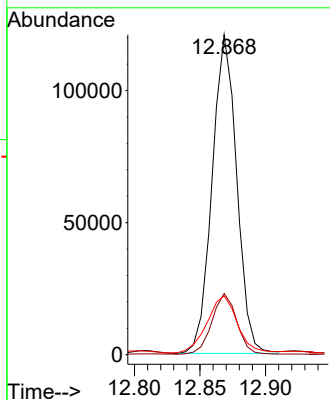
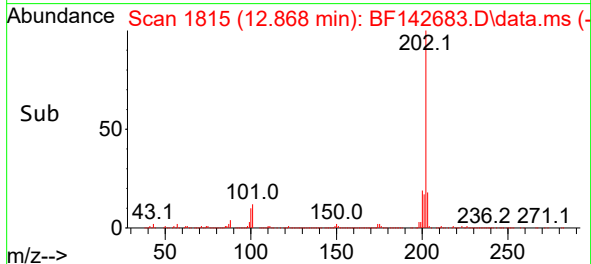
Instrument : BNA_F
ClientSampleId : EO-01-06042025



Tgt Ion:202 Resp: 157159
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 18.4 13.9 20.9

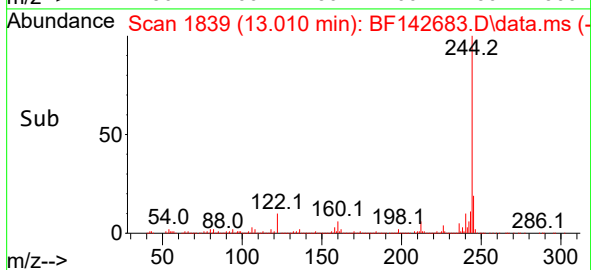
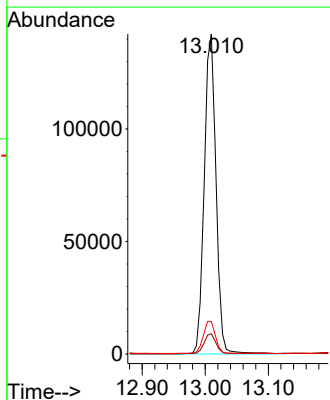
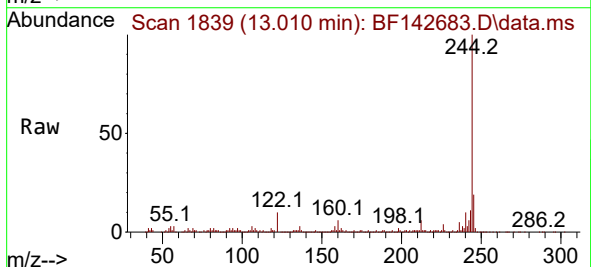
Manual Integrations
APPROVED

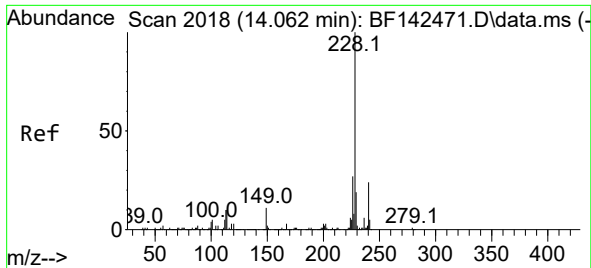
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#79
Terphenyl-d14
Concen: 11.304 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:244 Resp: 184441
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 10.1 8.2 12.2





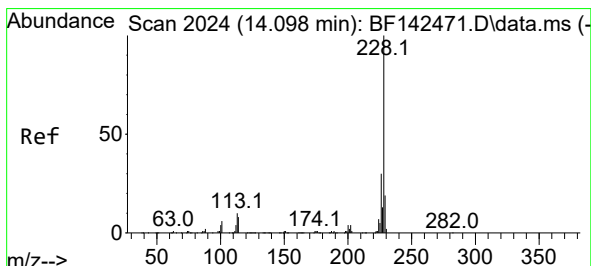
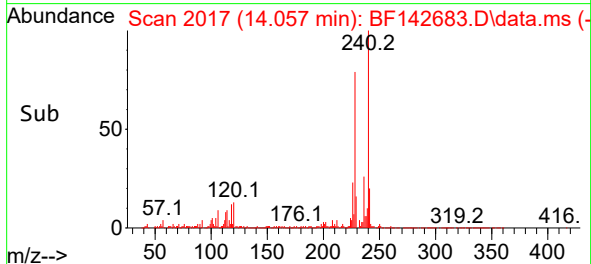
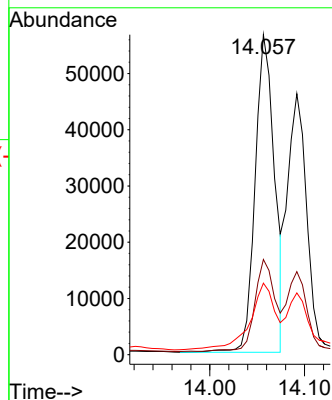
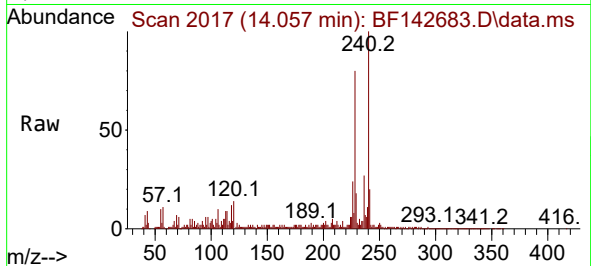
#81
Benzo(a)anthracene
Concen: 5.423 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

Tgt Ion:228 Resp: 8074
Ion Ratio Lower Upper
228 100
226 29.7 21.2 31.8
229 22.4 15.5 23.3

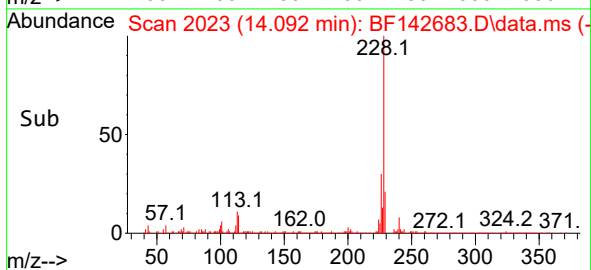
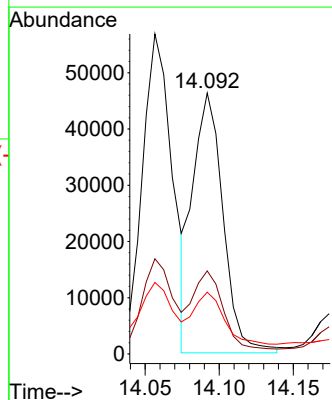
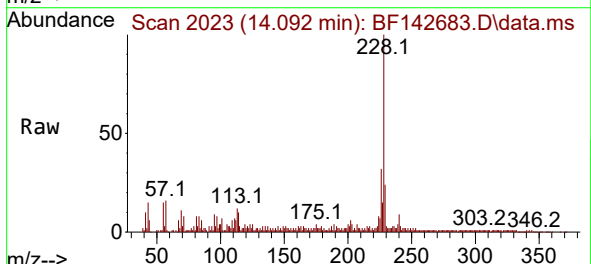
Manual Integrations
APPROVED

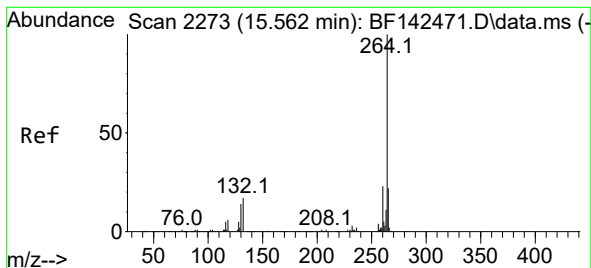
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#83
Chrysene
Concen: 4.921 ng m
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:228 Resp: 65833
Ion Ratio Lower Upper
228 100
226 31.9 23.8 35.6
229 23.7 15.4 23.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142683.D

Acq: 07 Jun 2025 10:57

Instrument :

BNA_F

ClientSampleId :

EO-01-06042025

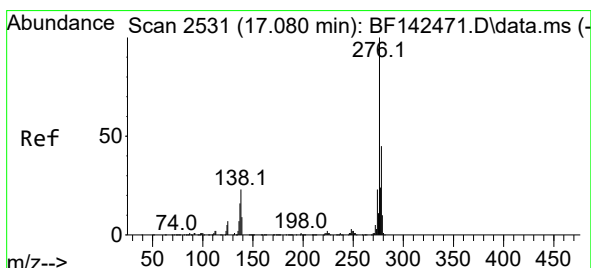
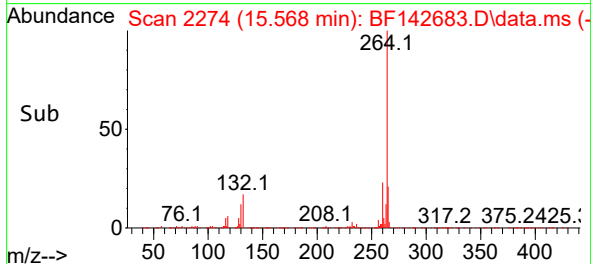
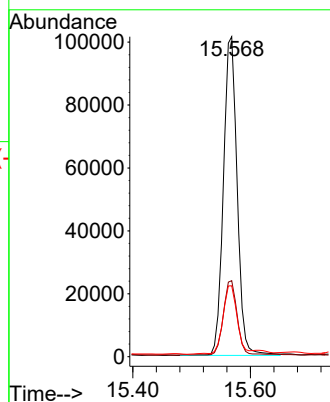
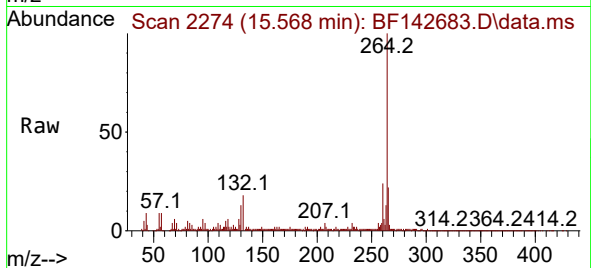
Tgt Ion:	264	Resp:	16444
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	28.0
265	22.2	17.7	26.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.442 ng

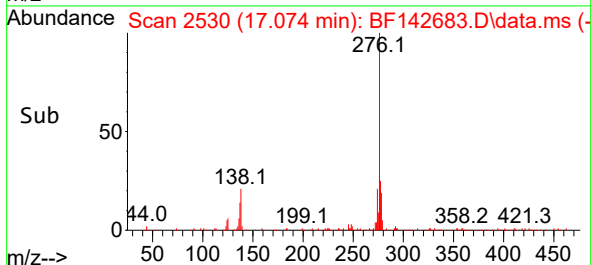
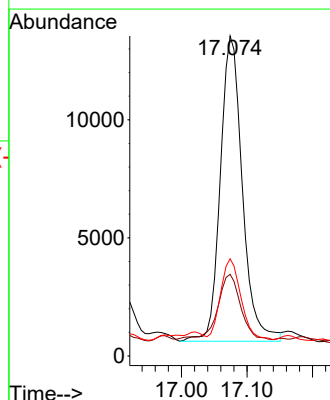
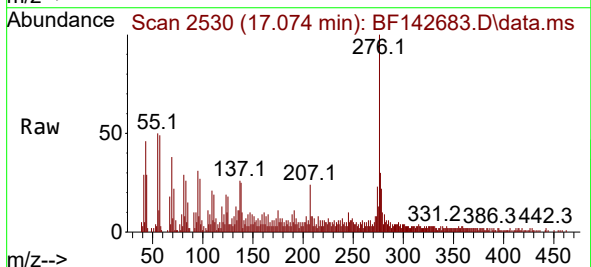
RT: 17.074 min Scan# 2530

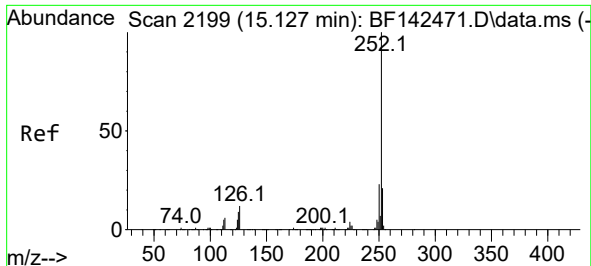
Delta R.T. -0.018 min

Lab File: BF142683.D

Acq: 07 Jun 2025 10:57

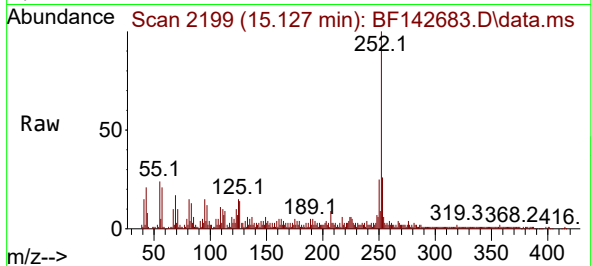
Tgt Ion:	276	Resp:	30151
Ion Ratio	Lower	Upper	
276	100		
138	23.8	19.9	29.9
277	25.0	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 6.865 ng m
RT: 15.127 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

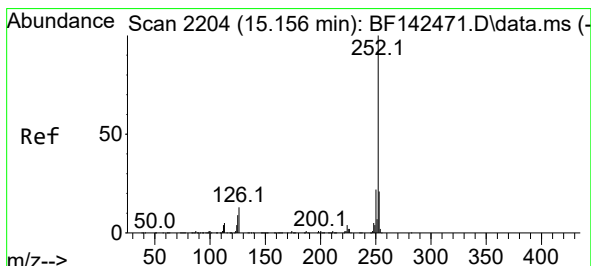
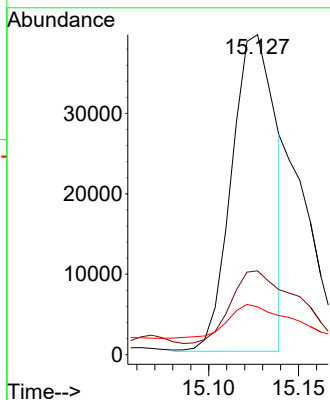
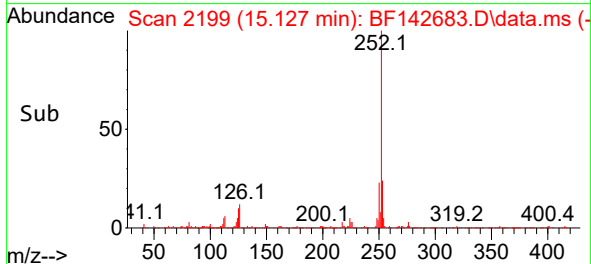
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:252 Resp: 6681
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.4#
125 14.9 7.4 11.0#

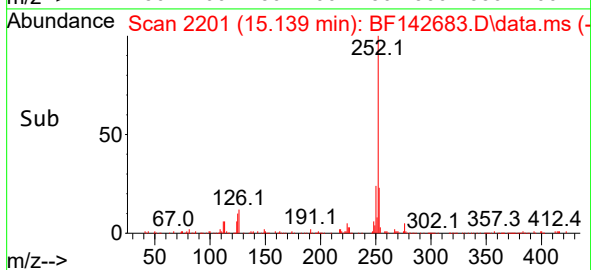
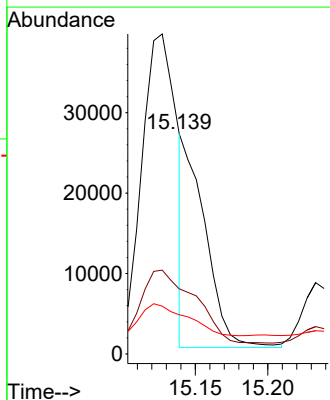
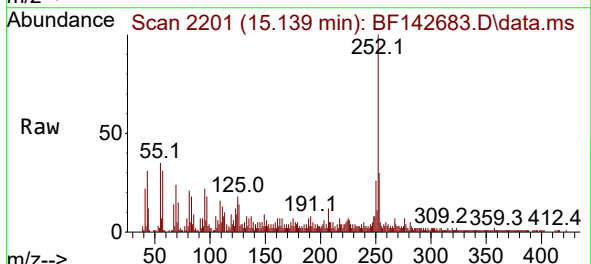
Manual Integrations
APPROVED

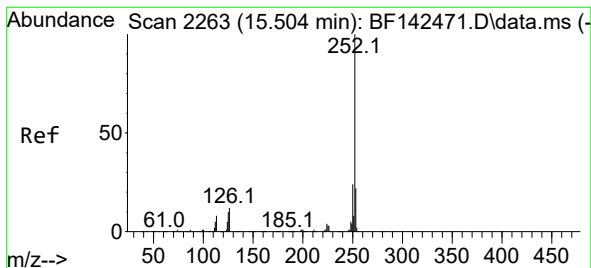
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#89
Benzo(k)fluoranthene
Concen: 2.990 ng m
RT: 15.139 min Scan# 2201
Delta R.T. -0.024 min
Lab File: BF142683.D
Acq: 07 Jun 2025 10:57

Tgt Ion:252 Resp: 27259
Ion Ratio Lower Upper
252 100
253 29.5 17.0 25.4#
125 17.7 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 5.326 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142683.D

Acq: 07 Jun 2025 10:57

Instrument :

BNA_F

ClientSampleId :

EO-01-06042025

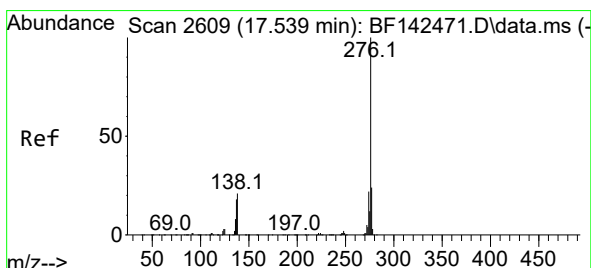
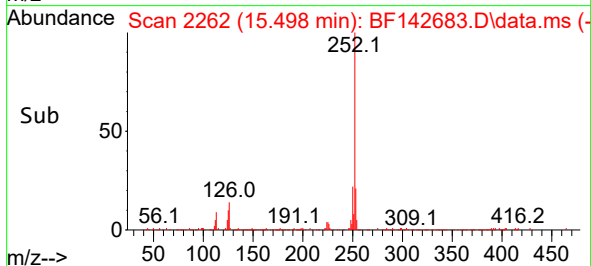
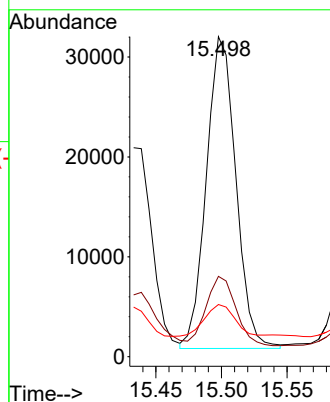
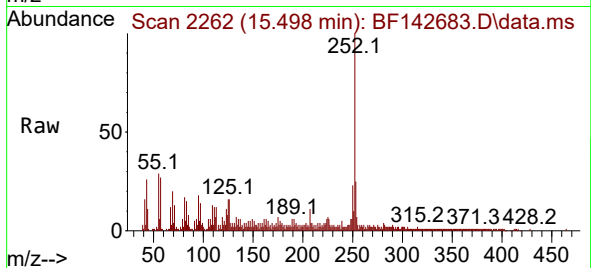
Tgt Ion:	252	Resp:	4885
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.4	26.0
125	16.3	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#92

Benzo(g,h,i)perylene

Concen: 3.078 ng

RT: 17.539 min Scan# 2609

Delta R.T. -0.018 min

Lab File: BF142683.D

Acq: 07 Jun 2025 10:57

Tgt Ion:	276	Resp:	30826
Ion Ratio	Lower	Upper	
276	100		
277	28.1	19.2	28.8
138	27.6	16.8	25.2

