

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142764.D
 Acq On : 12 Jun 2025 18:27
 Operator : RC/JU
 Sample : Q2224-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-06042025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/13/2025
 Supervised By :mohammad ahmed 06/13/2025

Quant Time: Jun 13 01:00:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	44300	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	137605	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	68198	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	138909	20.000	ng	0.00
76) Chrysene-d12	14.068	240	136909	20.000	ng	0.00
86) Perylene-d12	15.562	264	93901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	53707	20.648	ng	0.00
7) Phenol-d6	6.516	99	55620	18.170	ng	0.00
23) Nitrobenzene-d5	7.451	82	32505	12.928	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	15342	20.526	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	70734	13.780	ng	0.00
79) Terphenyl-d14	13.004	244	111181	11.153	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	27356	3.676	ng	99
75) Fluoranthene	12.633	202	100760	14.239	ng	98
78) Pyrene	12.863	202	95601	7.514	ng	98
81) Benzo(a)anthracene	14.057	228	59654	6.575	ng	93
83) Chrysene	14.092	228	44088m	5.263	ng	
87) Indeno(1,2,3-cd)pyrene	17.074	276	18778	2.699	ng	96
88) Benzo(b)fluoranthene	15.121	252	47393m	8.572	ng	
89) Benzo(k)fluoranthene	15.139	252	18792m	3.503	ng	
90) Benzo(a)pyrene	15.498	252	31759	6.041	ng	# 88
92) Benzo(g,h,i)perylene	17.533	276	18449	3.265	ng	92

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

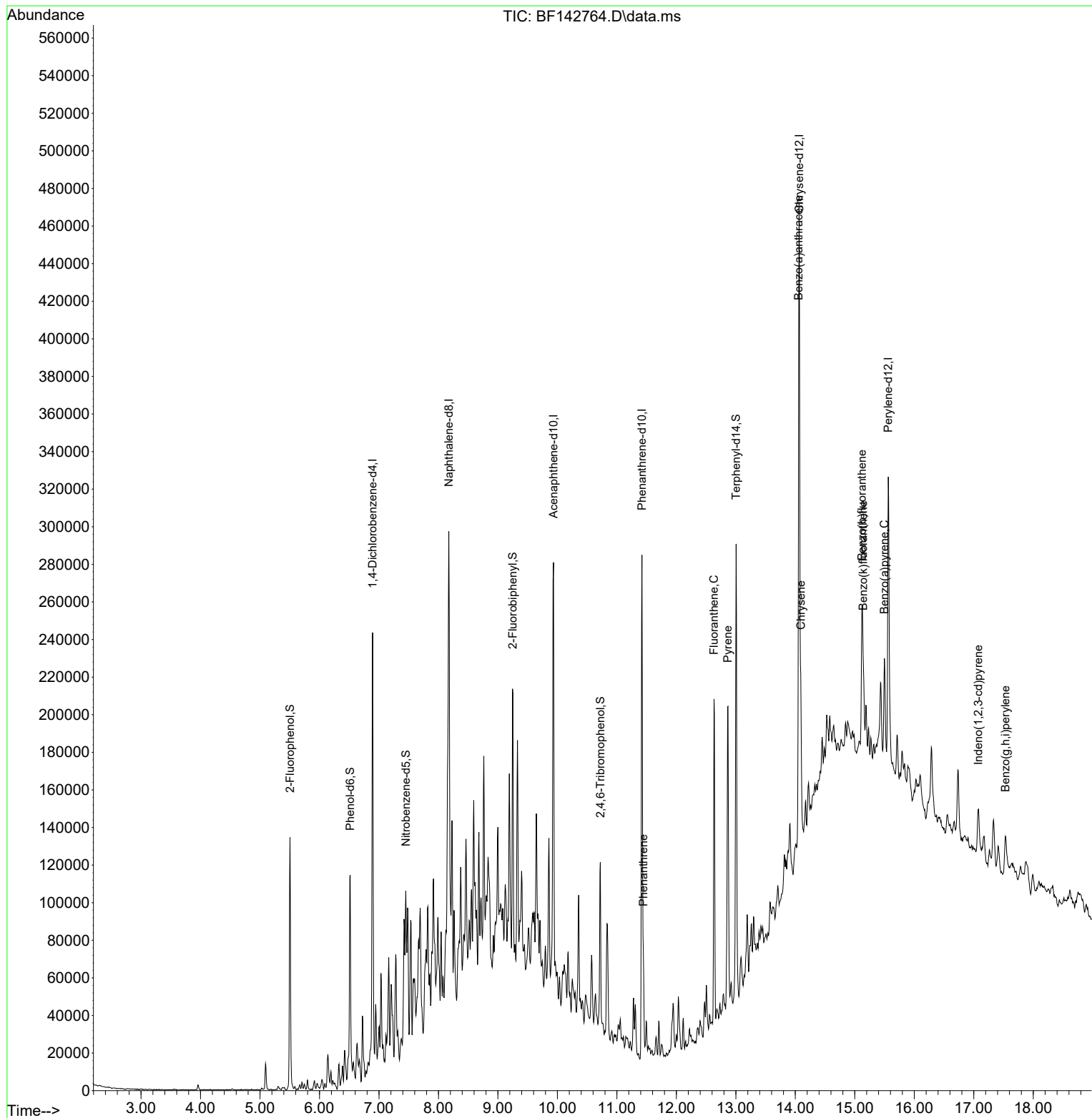
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142764.D
Acq On : 12 Jun 2025 18:27
Operator : RC/JU
Sample : Q2224-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

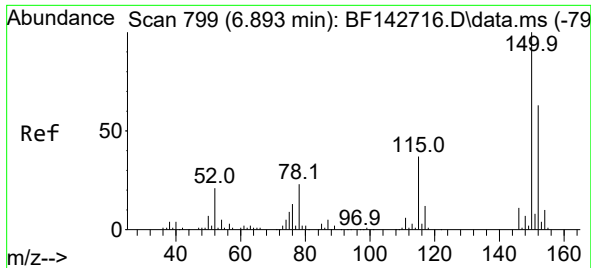
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

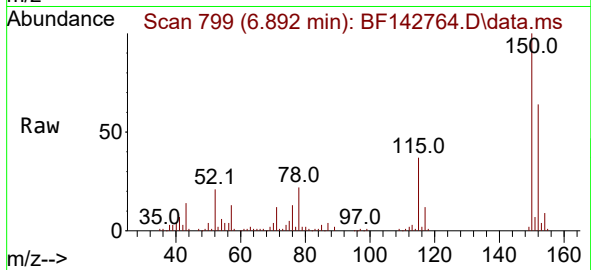
Quant Time: Jun 13 01:00:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

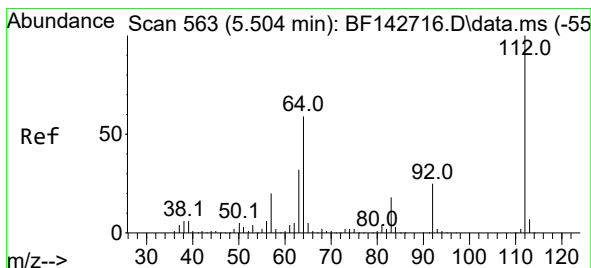
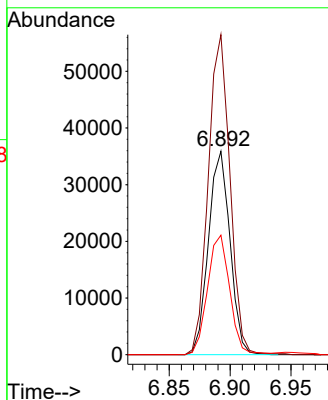
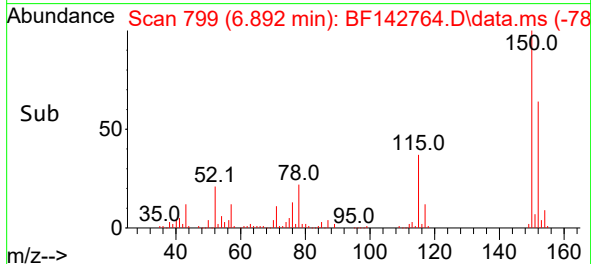
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



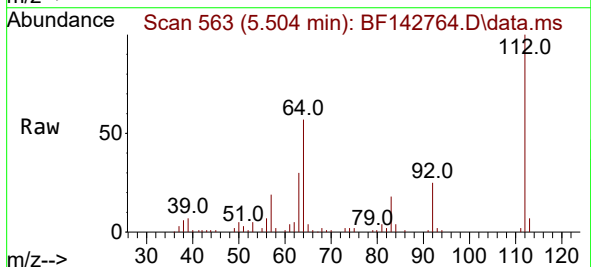
Tgt Ion:152 Resp: 44300
Ion Ratio Lower Upper
152 100
150 157.3 126.9 190.3
115 58.7 47.0 70.6

Manual Integrations
APPROVED

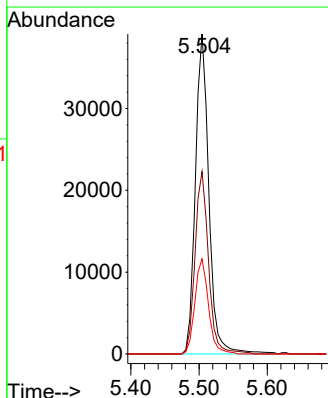
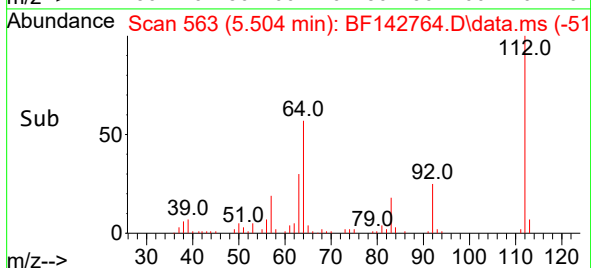
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

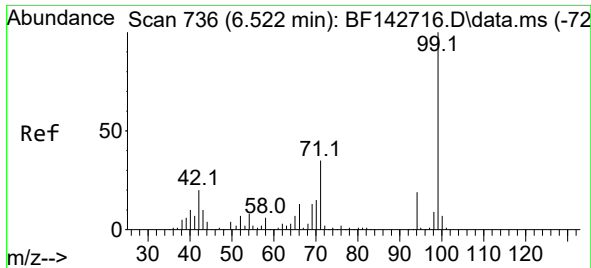


#5
2-Fluorophenol
Concen: 20.648 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27



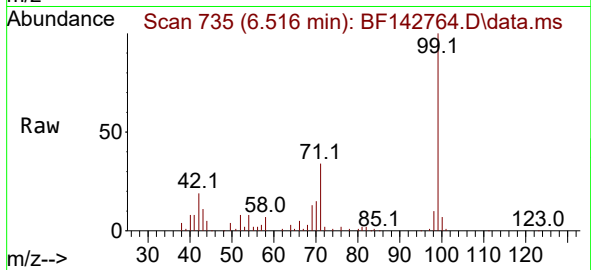
Tgt Ion:112 Resp: 53707
Ion Ratio Lower Upper
112 100
64 57.0 47.4 71.2
63 29.7 25.4 38.0





#7
Phenol-d6
Concen: 18.170 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

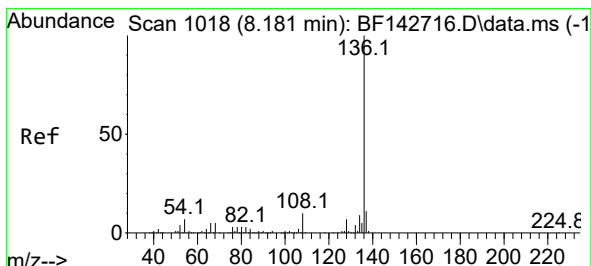
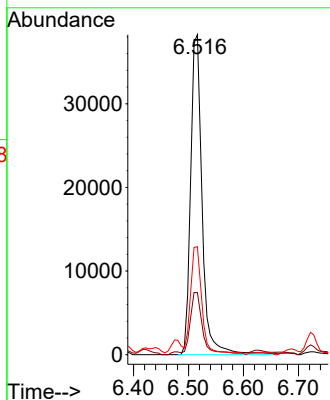
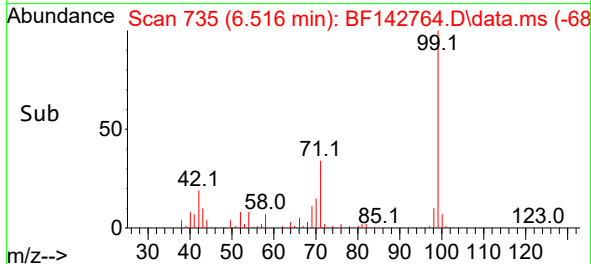
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



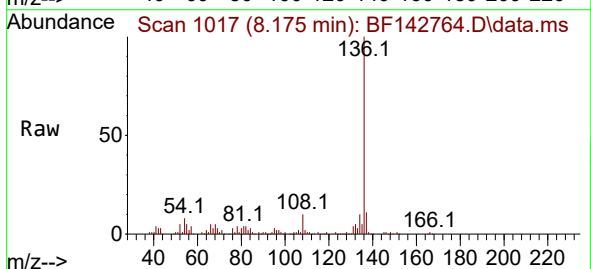
Tgt Ion: 99 Resp: 55620
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 33.7 28.0 42.0

Manual Integrations
APPROVED

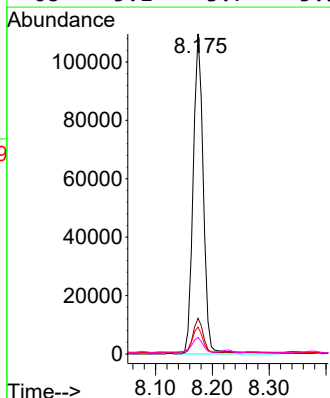
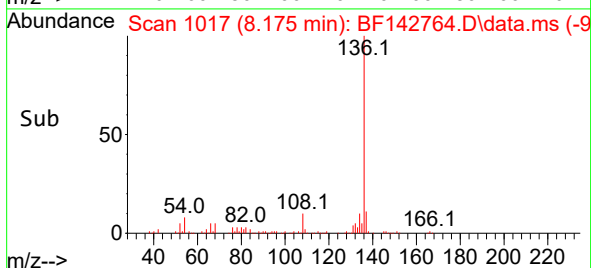
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

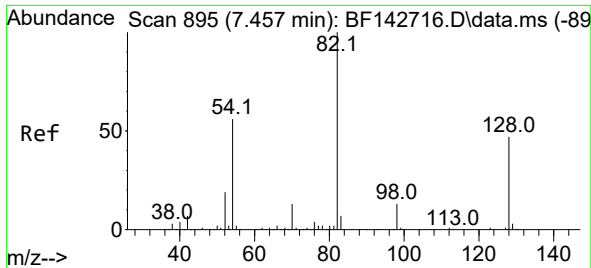


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27



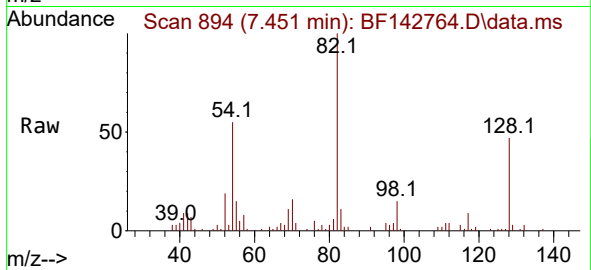
Tgt Ion:136 Resp: 137605
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.4 5.9 8.9
68 5.1 3.7 5.5





#23
Nitrobenzene-d5
Concen: 12.928 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

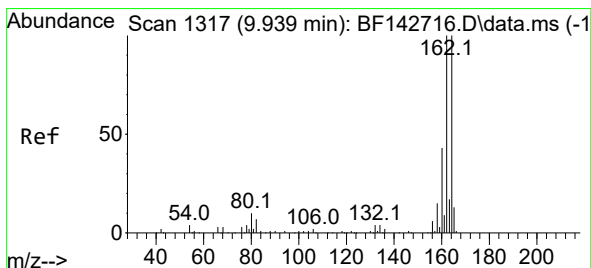
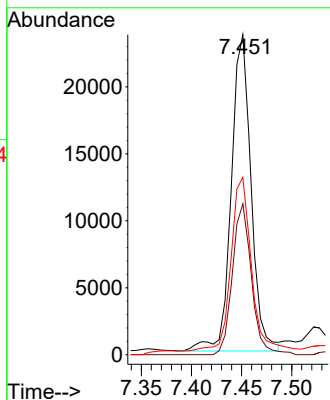
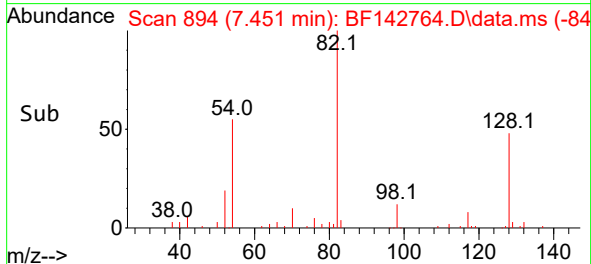
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion: 82 Resp: 3250
Ion Ratio Lower Upper
82 100
128 47.2 37.8 56.8
54 55.4 44.9 67.3

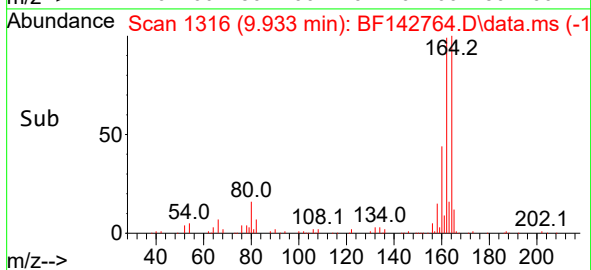
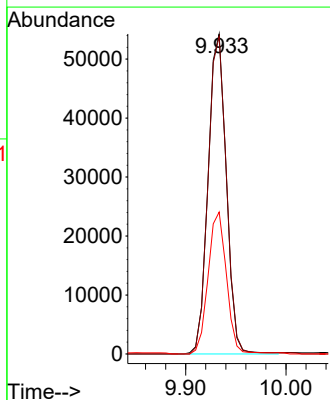
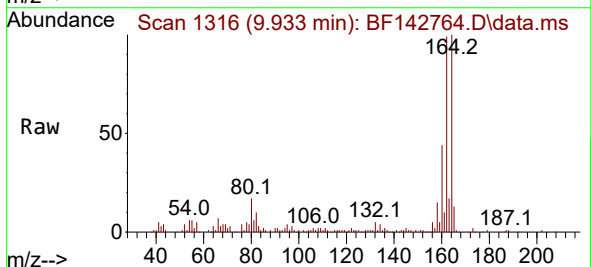
Manual Integrations
APPROVED

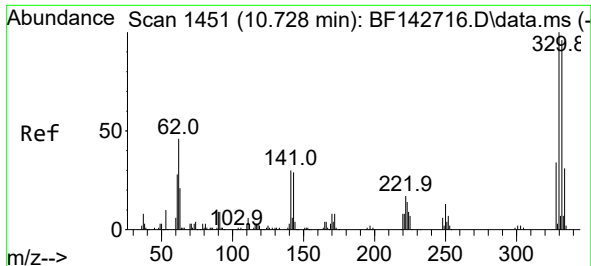
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

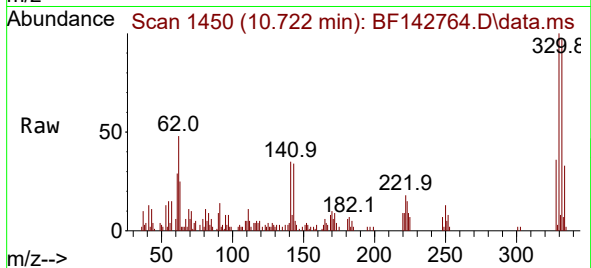
Tgt Ion:164 Resp: 68198
Ion Ratio Lower Upper
164 100
162 99.3 79.9 119.9
160 44.4 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 20.526 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

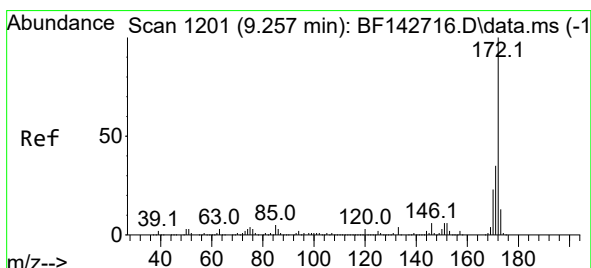
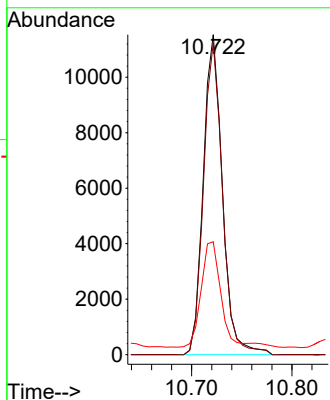
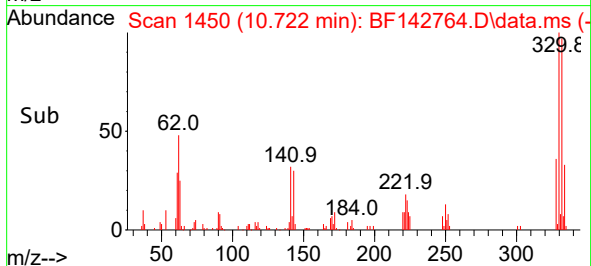
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion: 330 Resp: 1534
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 35.4 25.4 38.0

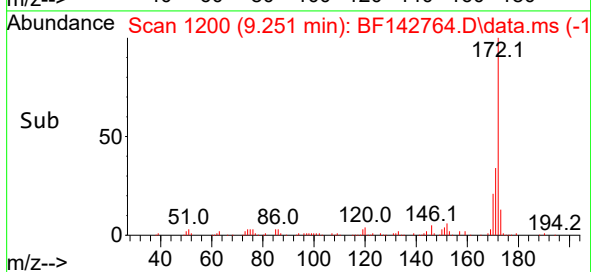
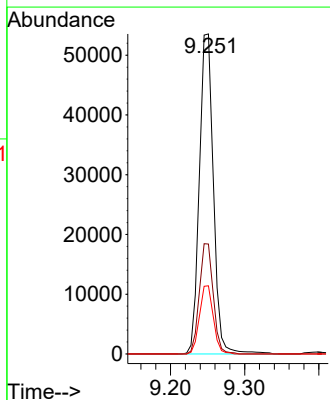
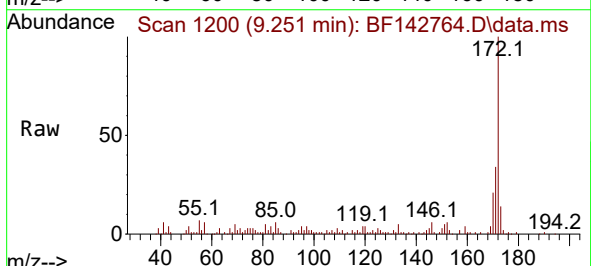
Manual Integrations
APPROVED

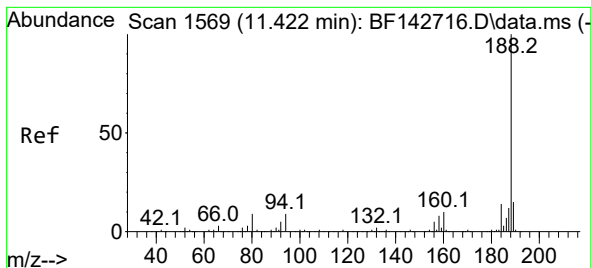
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#45
2-Fluorobiphenyl
Concen: 13.780 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

Tgt Ion: 172 Resp: 70734
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 21.3 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142764.D

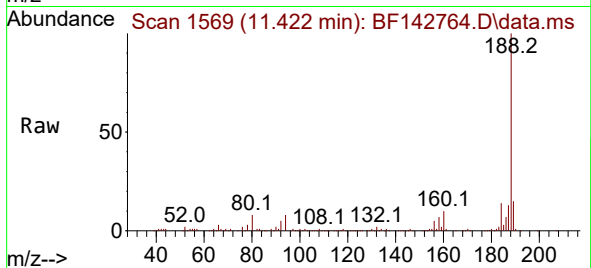
Acq: 12 Jun 2025 18:27

Instrument :

BNA_F

ClientSampleId :

EO-01-06042025



Tgt Ion:188 Resp: 138909

Ion Ratio Lower Upper

188 100

94 7.9 6.8 10.2

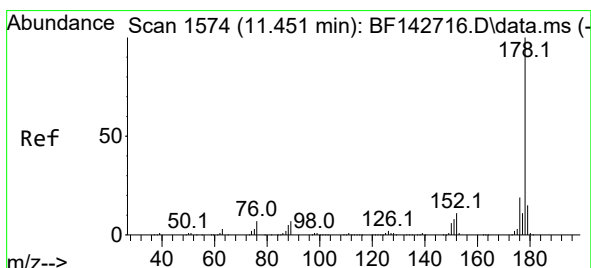
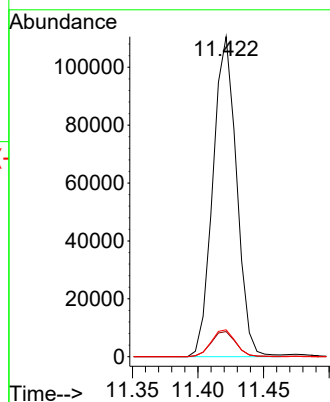
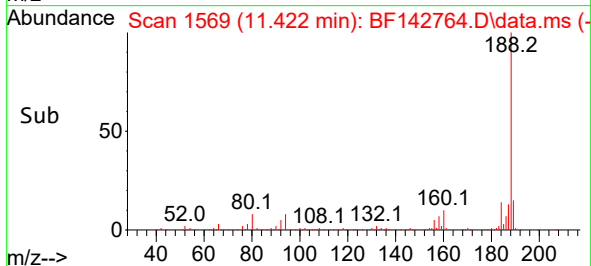
80 8.4 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#71

Phenanthrene

Concen: 3.676 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF142764.D

Acq: 12 Jun 2025 18:27

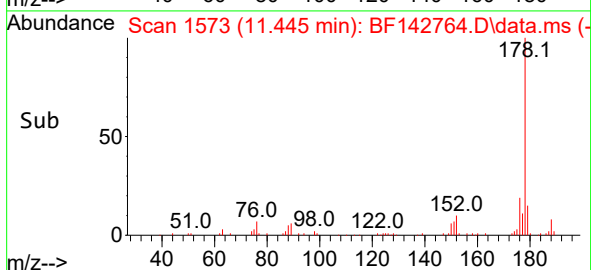
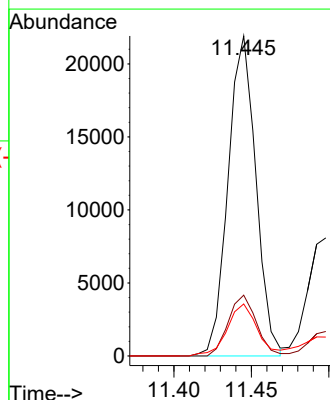
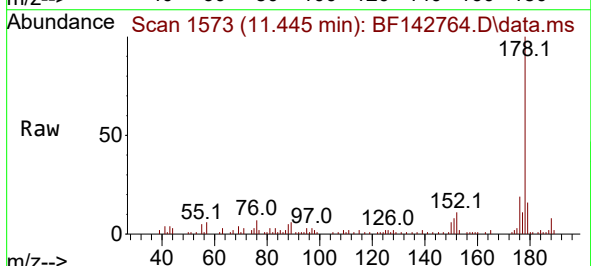
Tgt Ion:178 Resp: 27356

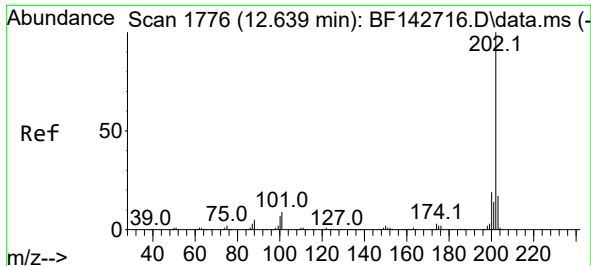
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

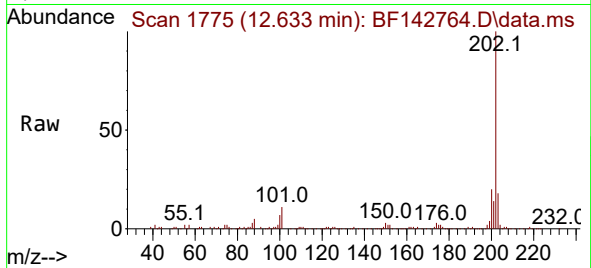
179 16.3 12.2 18.4





#75
Fluoranthene
Concen: 14.239 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

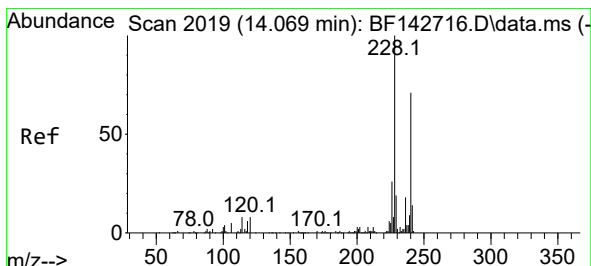
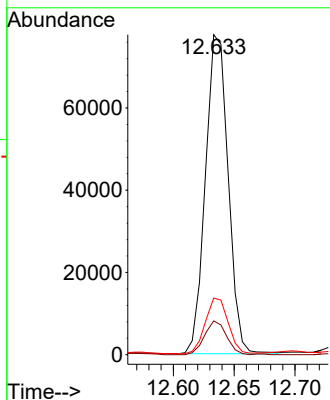
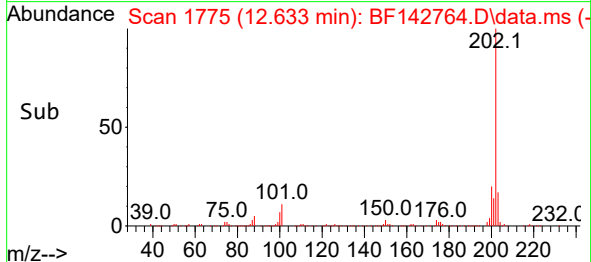
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:202 Resp: 100760
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.5
203 17.7 0.0 37.0

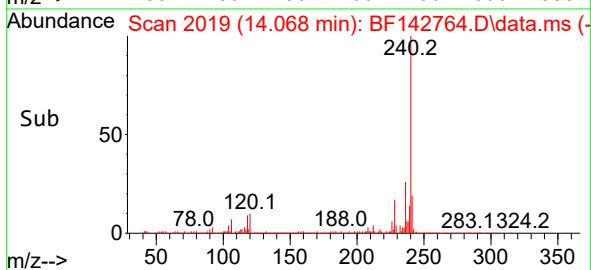
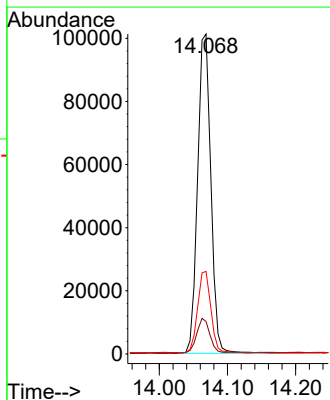
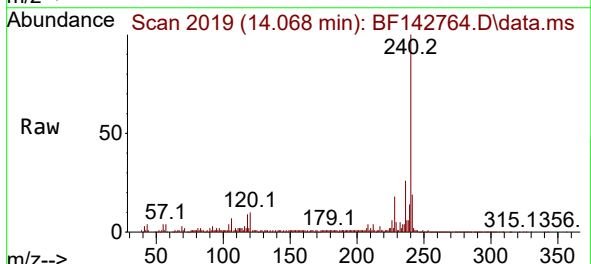
Manual Integrations
APPROVED

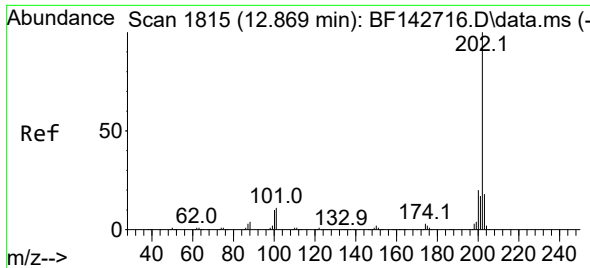
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

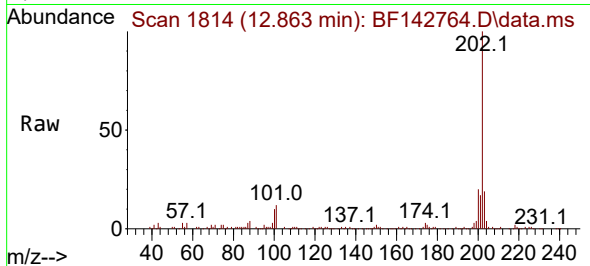
Tgt Ion:240 Resp: 136909
Ion Ratio Lower Upper
240 100
120 10.1 8.5 12.7
236 25.8 20.1 30.1





#78
Pyrene
Concen: 7.514 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

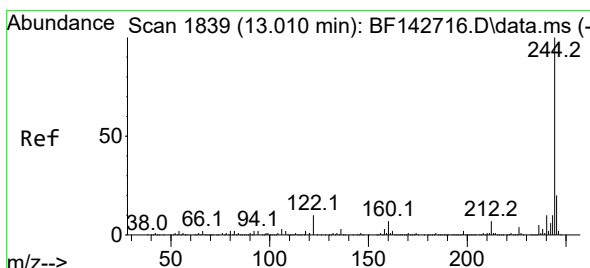
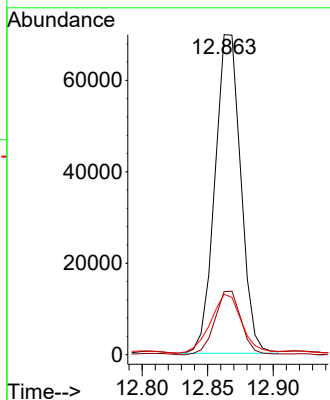
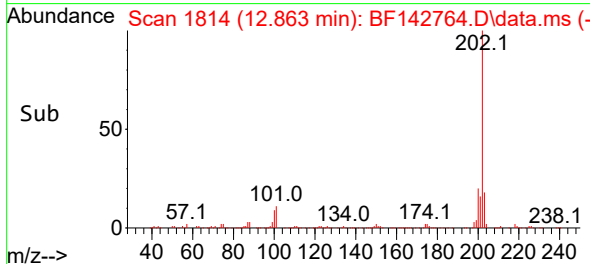
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



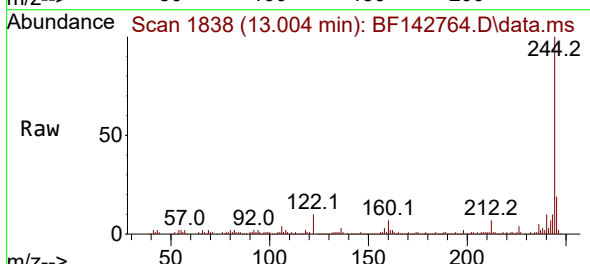
Tgt Ion:202 Resp: 9560
Ion Ratio Lower Upper
202 100
200 19.7 15.8 23.8
203 18.9 14.1 21.1

Manual Integrations
APPROVED

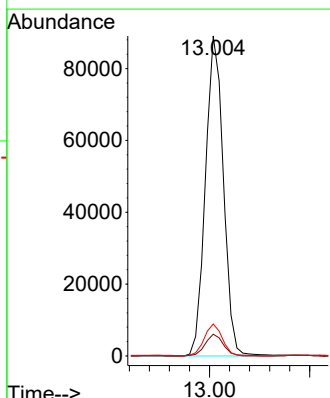
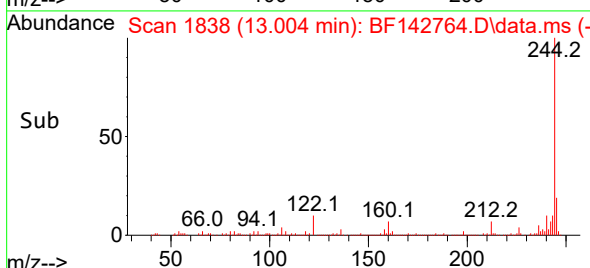
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

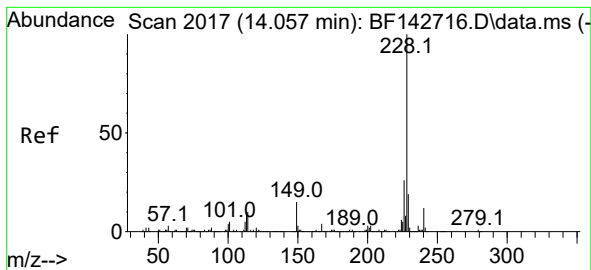


#79
Terphenyl-d14
Concen: 11.153 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27



Tgt Ion:244 Resp: 111181
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 10.0 8.3 12.5





#81

Benzo(a)anthracene

Concen: 6.575 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF142764.D

Acq: 12 Jun 2025 18:27

Instrument :

BNA_F

ClientSampleId :

EO-01-06042025

Tgt Ion:228 Resp: 59654

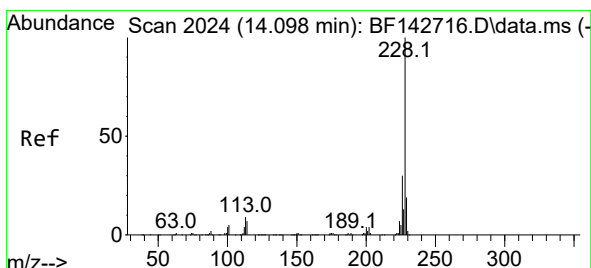
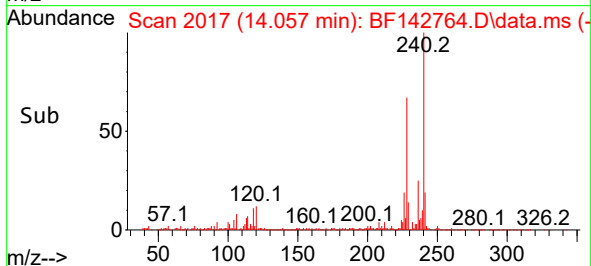
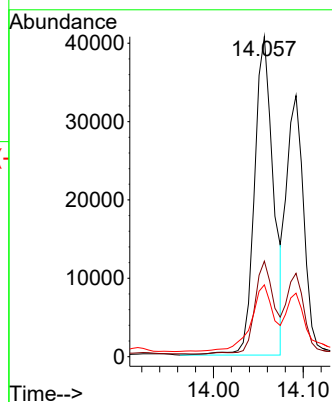
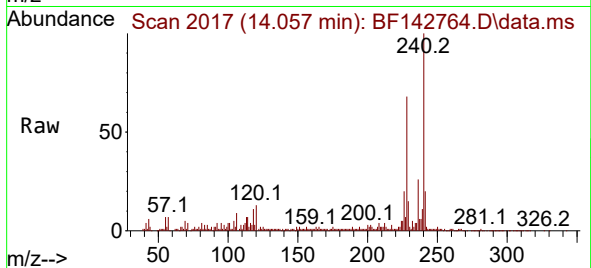
Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.0	31.4
229	22.4	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#83

Chrysene

Concen: 5.263 ng m

RT: 14.092 min Scan# 2023

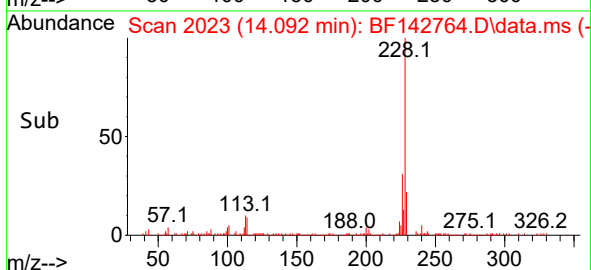
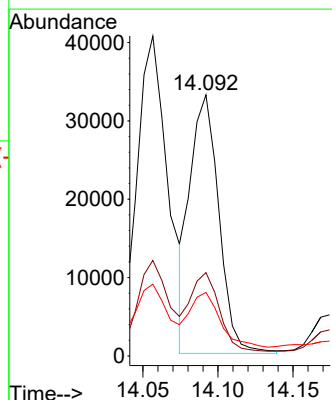
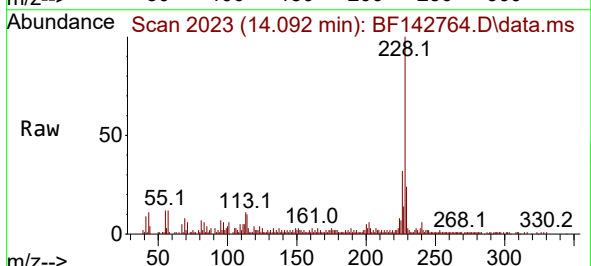
Delta R.T. -0.006 min

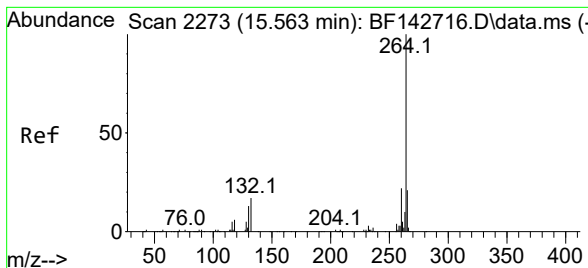
Lab File: BF142764.D

Acq: 12 Jun 2025 18:27

Tgt Ion:228 Resp: 44088

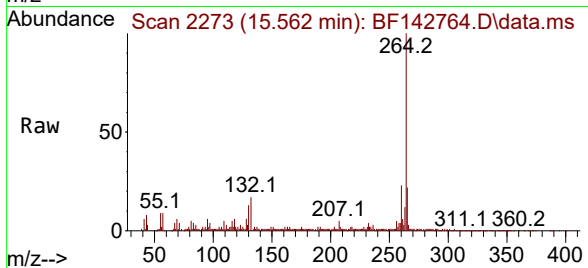
Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.6	35.4
229	24.3	15.5	23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

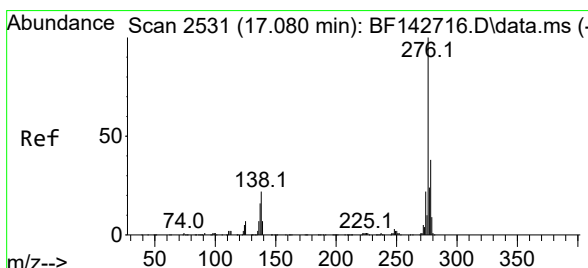
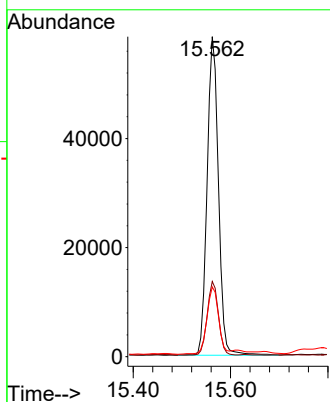
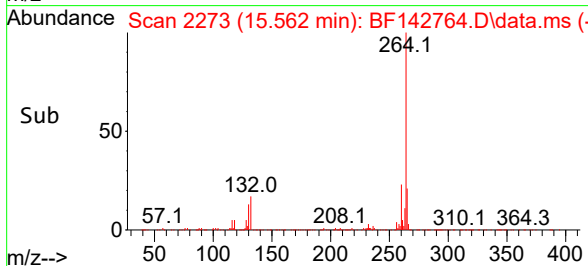
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:264 Resp: 9390
Ion Ratio Lower Upper
264 100
260 23.5 17.8 26.6
265 21.8 16.6 25.0

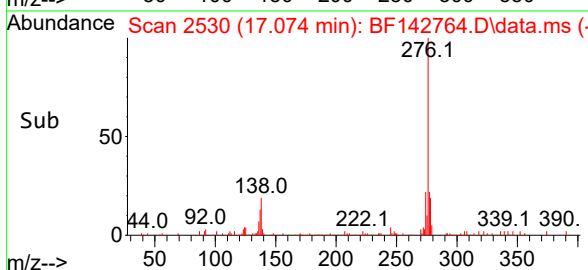
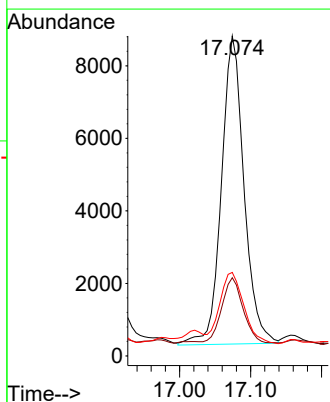
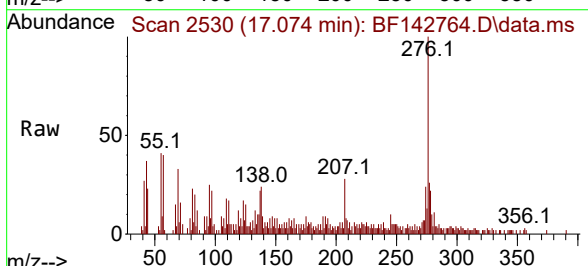
Manual Integrations
APPROVED

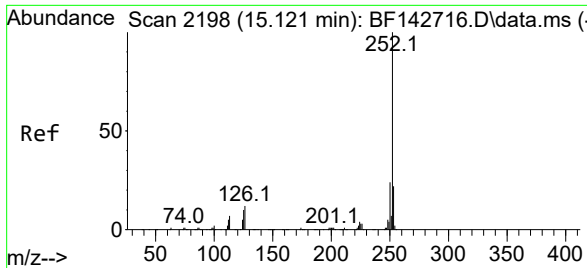
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.699 ng
RT: 17.074 min Scan# 2530
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

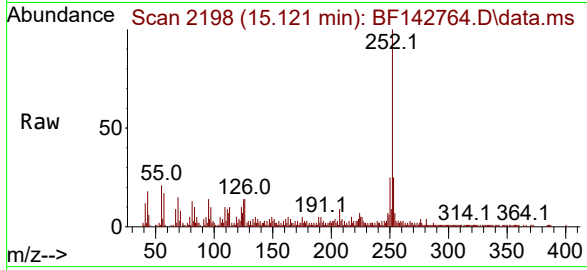
Tgt Ion:276 Resp: 18778
Ion Ratio Lower Upper
276 100
138 21.0 19.3 28.9
277 24.4 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 8.572 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

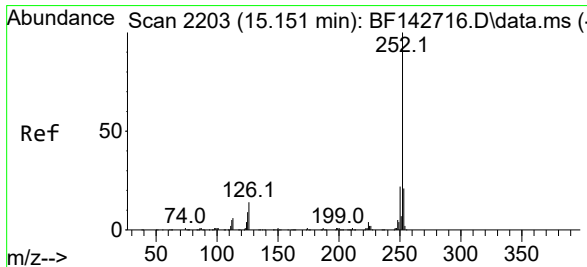
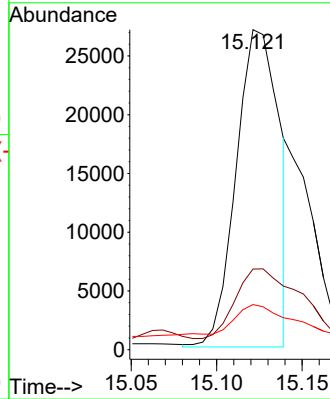
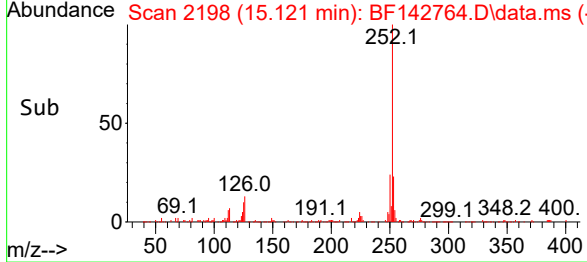
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:252 Resp: 4739
Ion Ratio Lower Upper
252 100
253 25.2 17.7 26.5
125 14.1 7.8 11.6

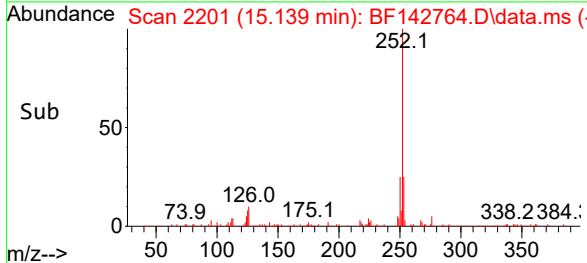
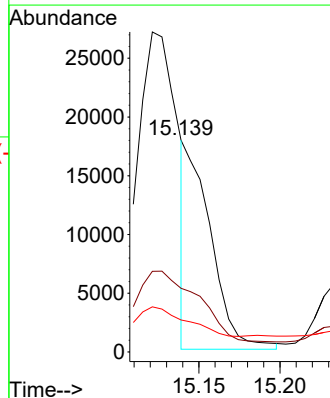
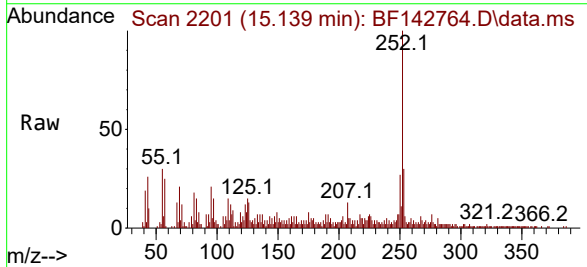
Manual Integrations
APPROVED

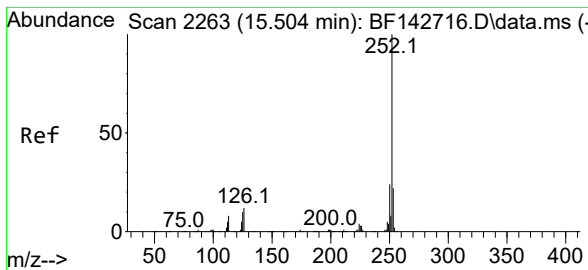
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#89
Benzo(k)fluoranthene
Concen: 3.503 ng m
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

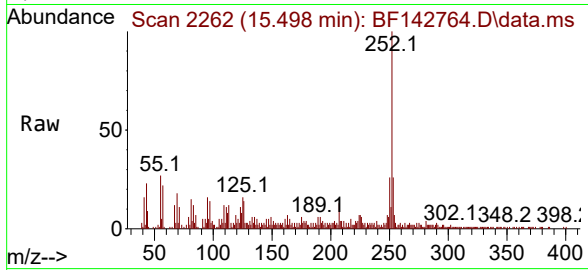
Tgt Ion:252 Resp: 18792
Ion Ratio Lower Upper
252 100
253 30.1 17.3 25.9#
125 15.1 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 6.041 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

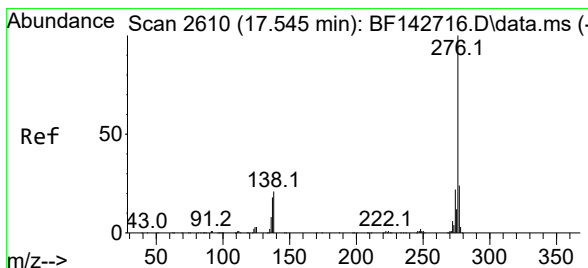
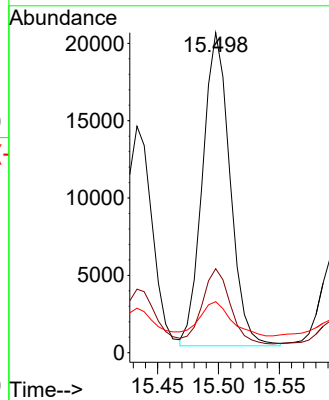
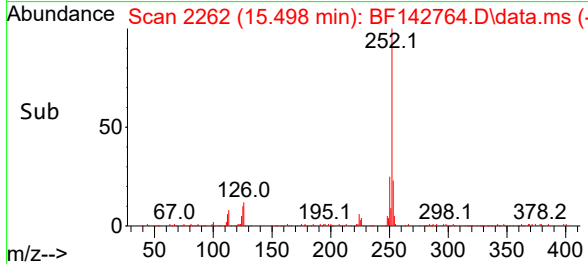
Instrument :
BNA_F
ClientSampleId :
EO-01-06042025



Tgt Ion:252 Resp: 31759
Ion Ratio Lower Upper
252 100
253 26.3 17.3 25.9
125 16.0 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#92
Benzo(g,h,i)perylene
Concen: 3.265 ng
RT: 17.533 min Scan# 2608
Delta R.T. -0.012 min
Lab File: BF142764.D
Acq: 12 Jun 2025 18:27

Tgt Ion:276 Resp: 18449
Ion Ratio Lower Upper
276 100
277 27.8 18.8 28.2
138 23.3 16.4 24.6

