

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142767.D
 Acq On : 12 Jun 2025 19:56
 Operator : RC/JU
 Sample : Q2195-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060325

Manual Integrations
 APPROVED

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

Quant Time: Jun 13 01:01:17 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	42134	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	132544	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	72984	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	150369	20.000	ng	0.00
76) Chrysene-d12	14.068	240	120857	20.000	ng	0.00
86) Perylene-d12	15.568	264	87561	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	34788	14.062	ng	0.00
7) Phenol-d6	6.516	99	34663	11.906	ng	0.00
23) Nitrobenzene-d5	7.451	82	18268	7.543	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	11293	14.118	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	48224	8.778	ng	0.00
79) Terphenyl-d14	13.004	244	77234	8.777	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	68169	8.462	ng	99
75) Fluoranthene	12.639	202	155678	20.323	ng	99
78) Pyrene	12.868	202	216644	19.289	ng	99
81) Benzo(a)anthracene	14.057	228	78607	9.815	ng	# 93
83) Chrysene	14.092	228	75427	10.201	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.080	276	18271	2.816	ng	99
88) Benzo(b)fluoranthene	15.127	252	45796m	8.883	ng	
89) Benzo(k)fluoranthene	15.139	252	19744m	3.947	ng	
90) Benzo(a)pyrene	15.498	252	40793	8.322	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	20366	3.866	ng	94

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

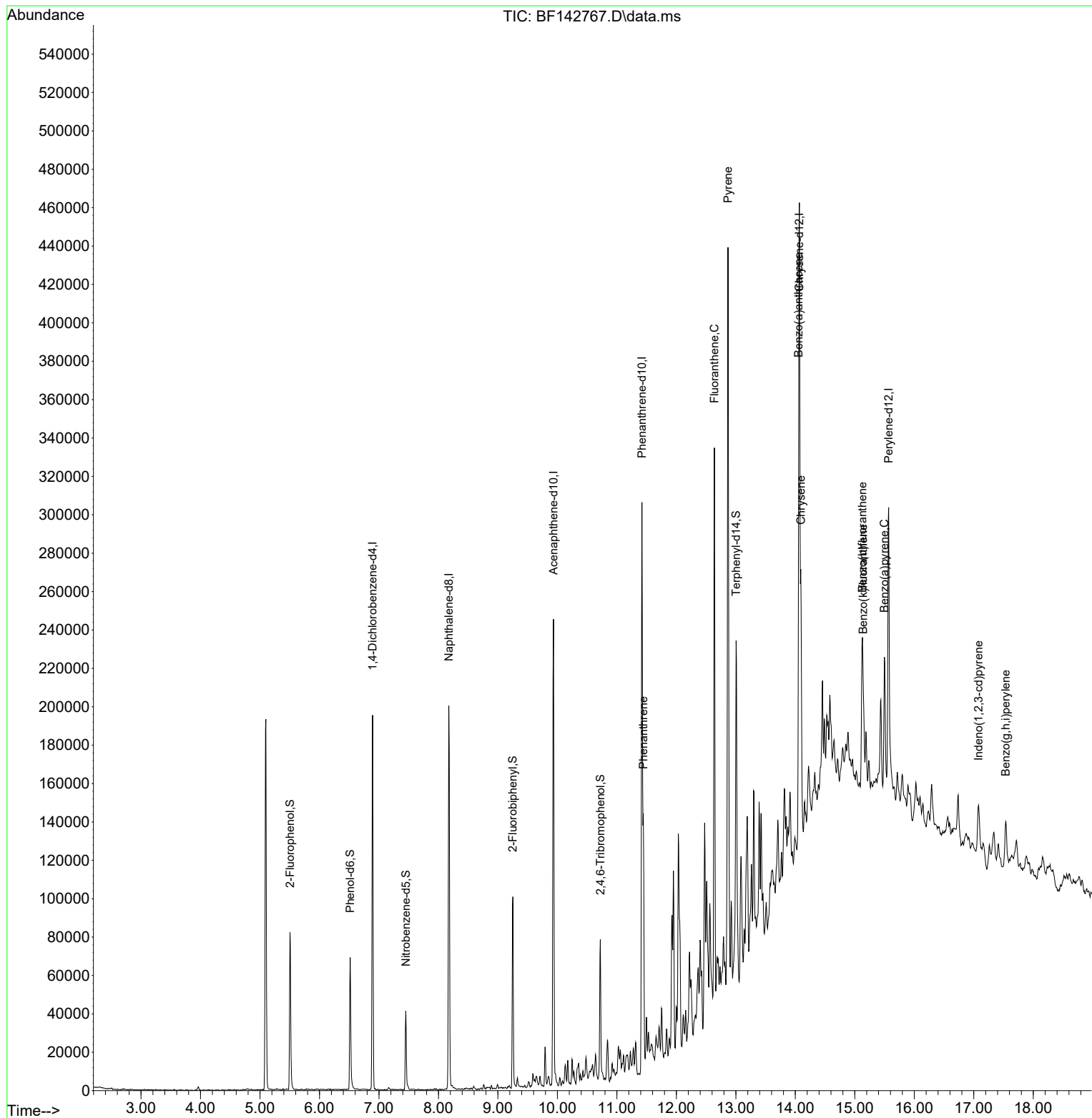
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142767.D
Acq On : 12 Jun 2025 19:56
Operator : RC/JU
Sample : Q2195-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

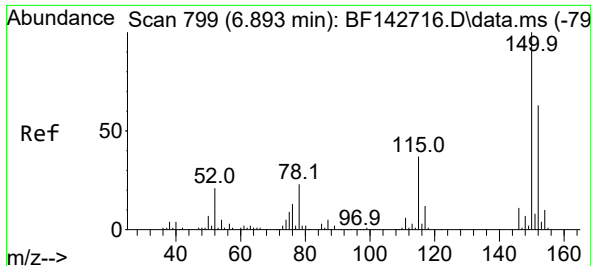
Instrument :
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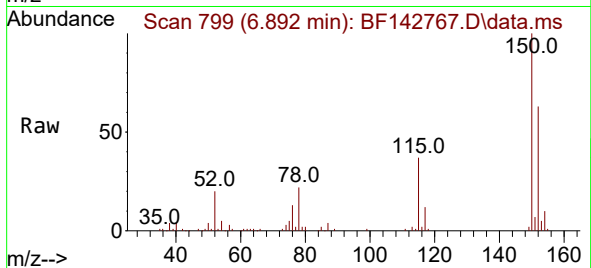
Quant Time: Jun 13 01:01:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

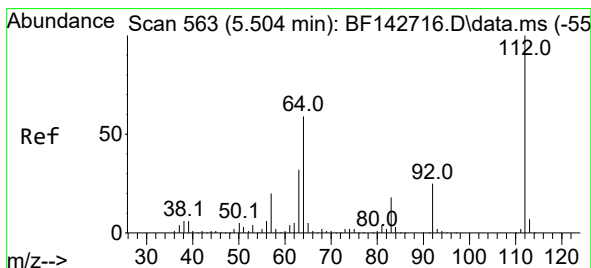
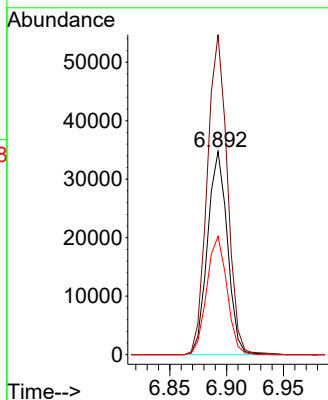
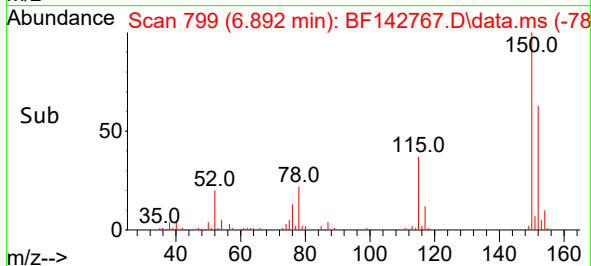
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



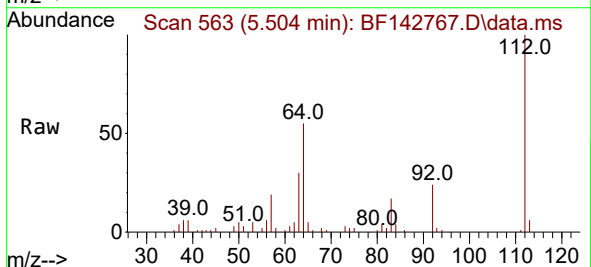
Tgt Ion:152 Resp: 42134
Ion Ratio Lower Upper
152 100
150 157.5 126.9 190.3
115 58.3 47.0 70.6

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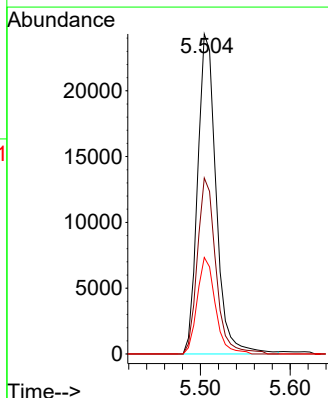
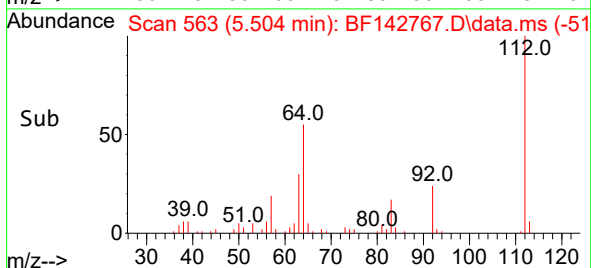
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

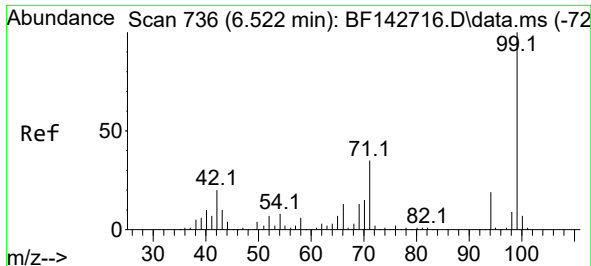


#5
2-Fluorophenol
Concen: 14.062 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56



Tgt Ion:112 Resp: 34788
Ion Ratio Lower Upper
112 100
64 55.0 47.4 71.2
63 30.1 25.4 38.0





#7

Phenol-d6

Concen: 11.906 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

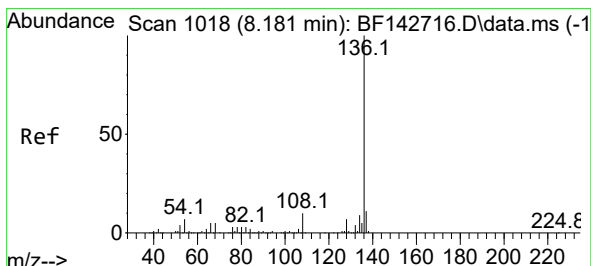
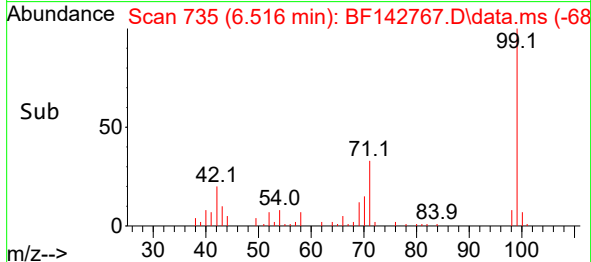
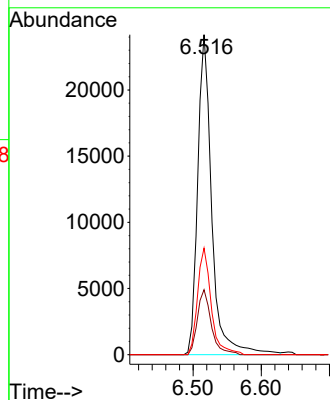
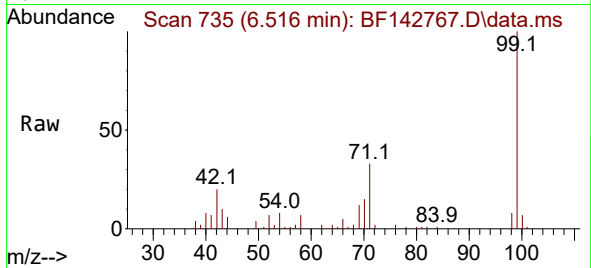
Tgt Ion: 99	Resp: 3466
Ion Ratio	Lower Upper
99 100	
42 20.3	15.9 23.9
71 33.3	28.0 42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

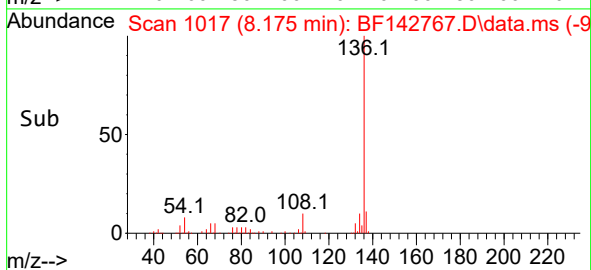
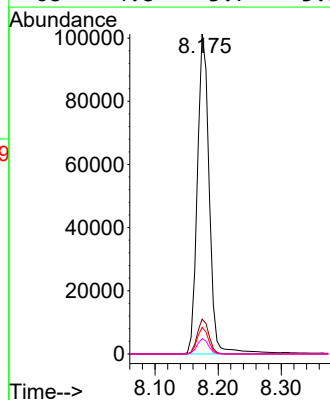
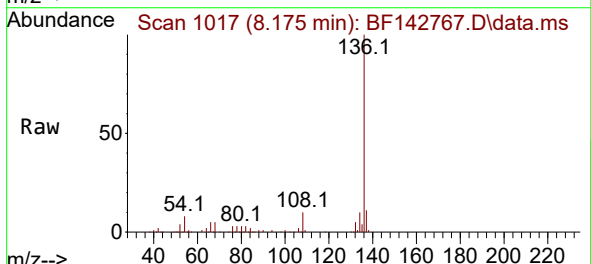
RT: 8.175 min Scan# 1017

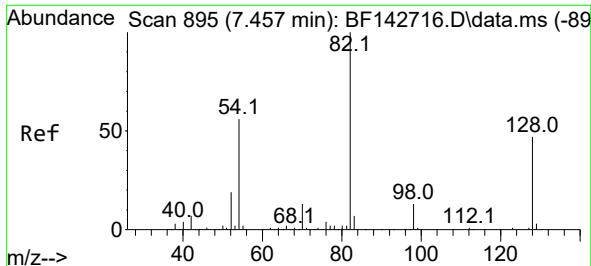
Delta R.T. -0.006 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Tgt Ion:136	Resp: 132544
Ion Ratio	Lower Upper
136 100	
137 10.9	8.7 13.1
54 8.3	5.9 8.9
68 4.8	3.7 5.5





#23

Nitrobenzene-d5

Concen: 7.543 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142767.D

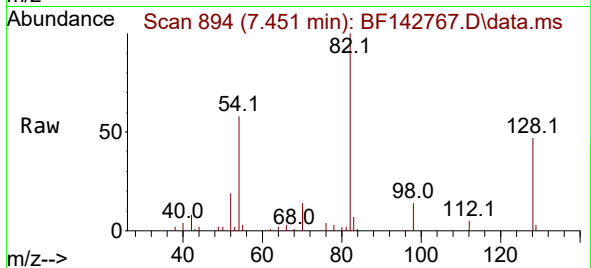
Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325



Tgt Ion: 82 Resp: 18268

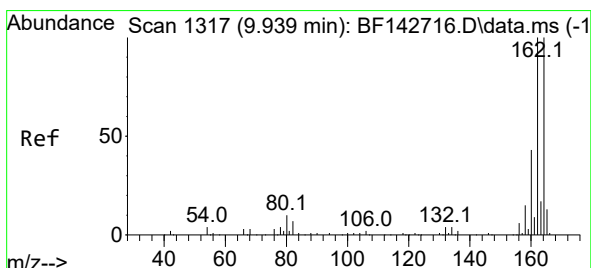
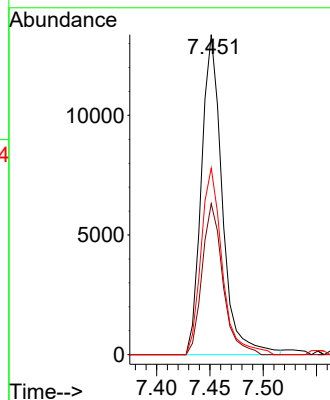
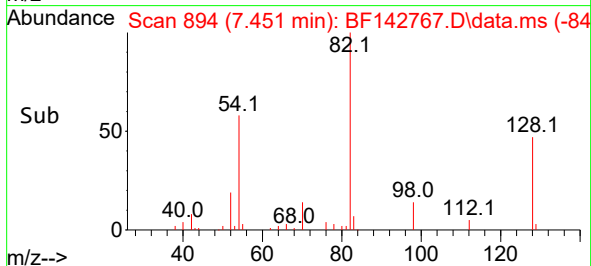
Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.8	56.8
54	58.3	44.9	67.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

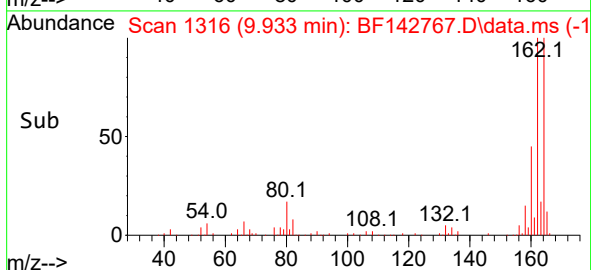
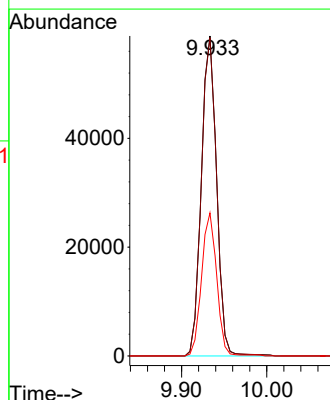
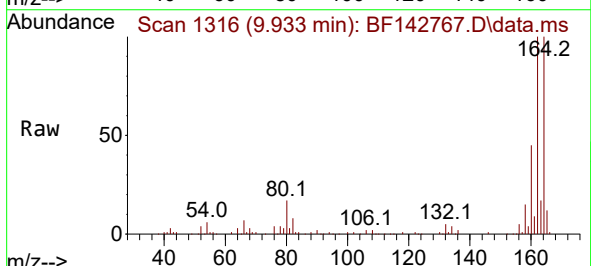
Delta R.T. -0.006 min

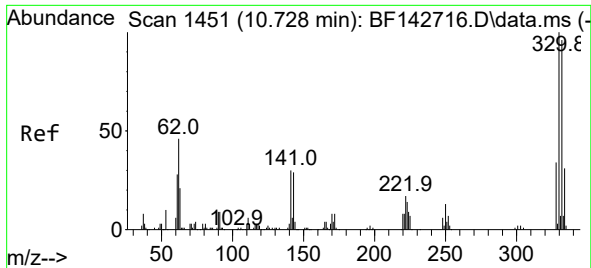
Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Tgt Ion:164 Resp: 72984

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.9	119.9
160	44.7	34.8	52.2





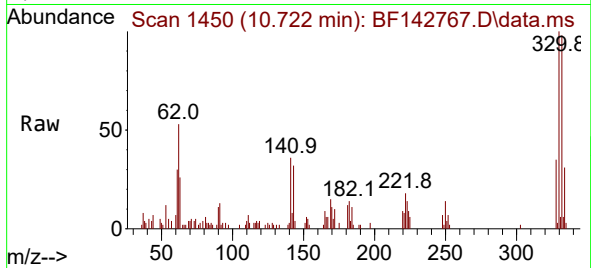
#42
2,4,6-Tribromophenol
Concen: 14.118 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Instrument :

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OK-01-060325



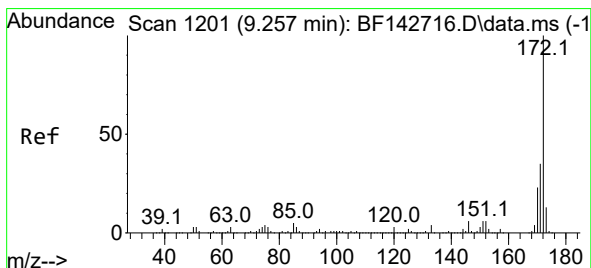
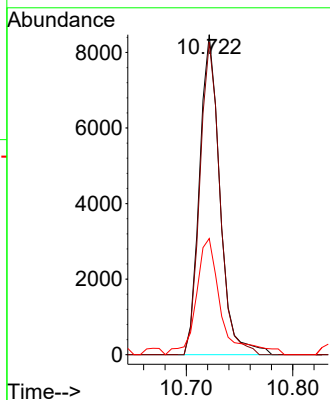
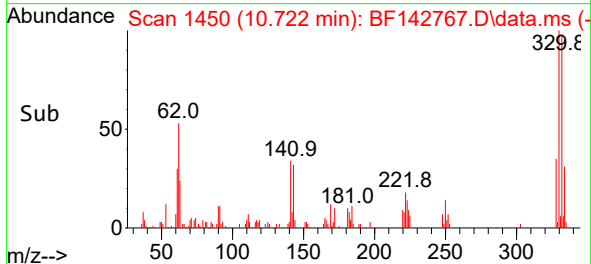
Tgt Ion: 330 Resp: 1129
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 43.9 25.4 38.0

Manual Integrations

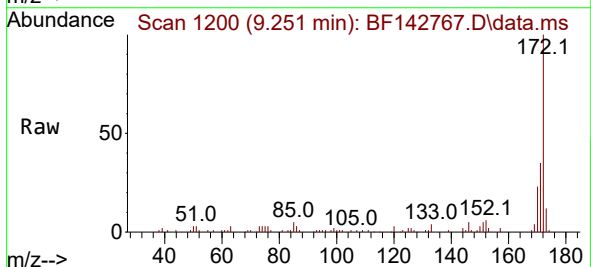
APPROVED

Reviewed By :Rahul Chavli 06/13/2025

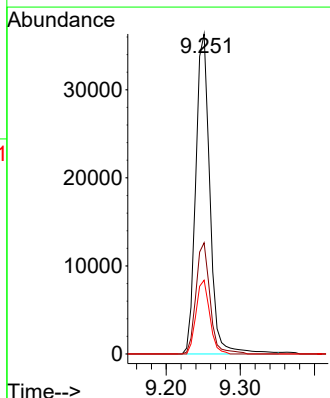
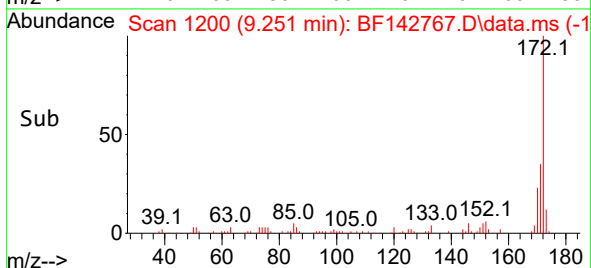
Supervised By :mohammad ahmed 06/13/2025

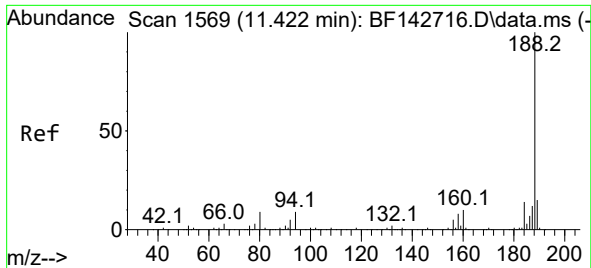


#45
2-Fluorobiphenyl
Concen: 8.778 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56



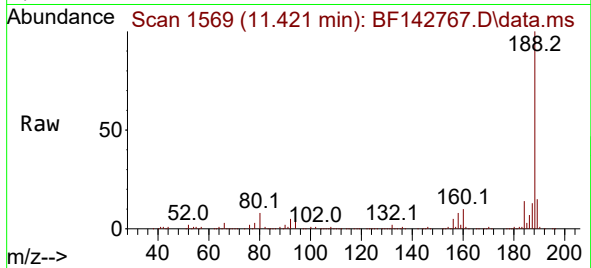
Tgt Ion: 172 Resp: 48224
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.1 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

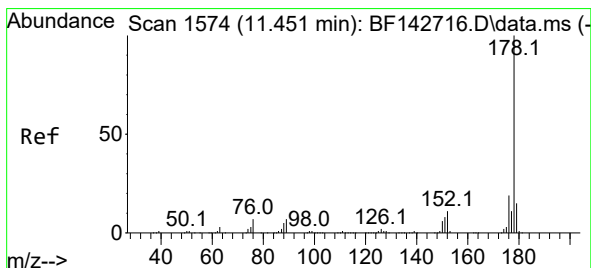
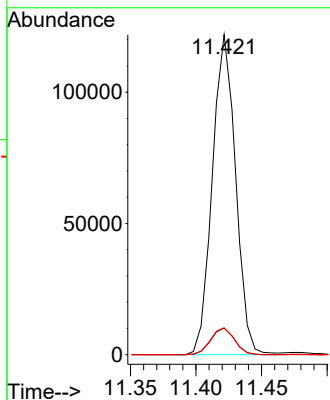
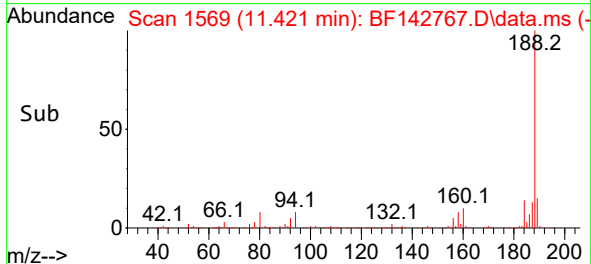
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



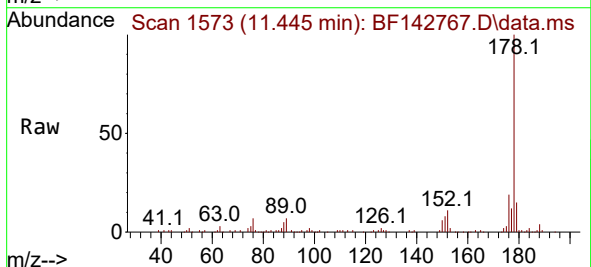
Tgt Ion:188 Resp: 150369
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.4 7.1 10.7

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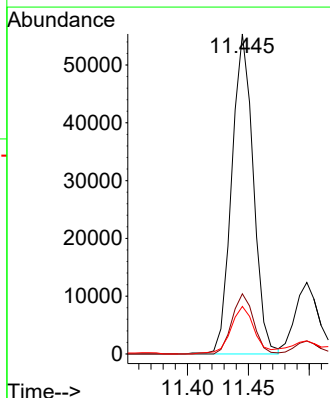
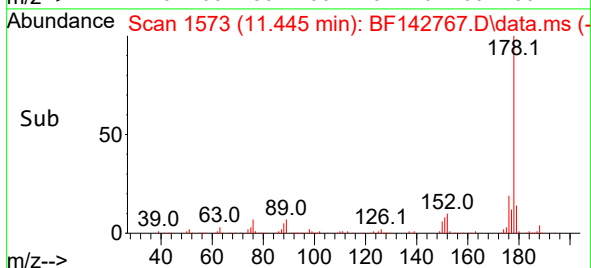
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

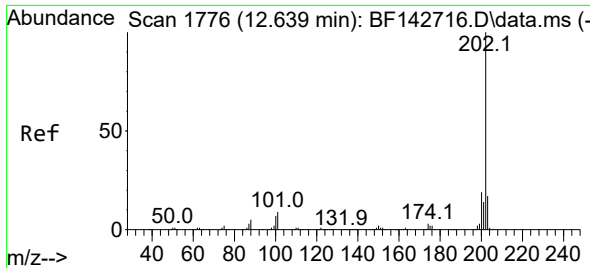


#71
Phenanthrene
Concen: 8.462 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56



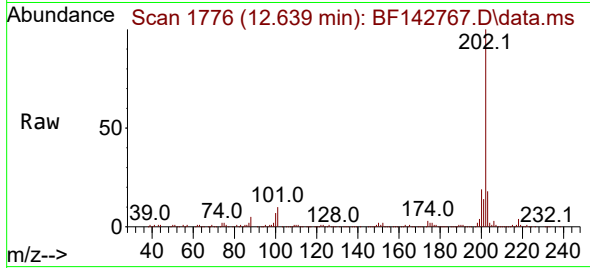
Tgt Ion:178 Resp: 68169
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 20.323 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

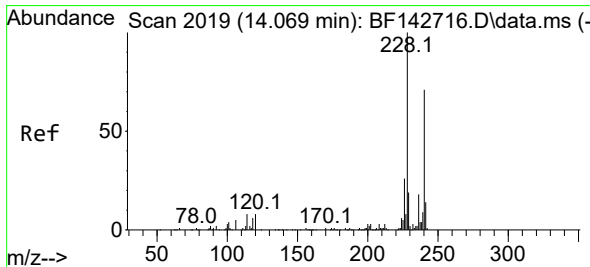
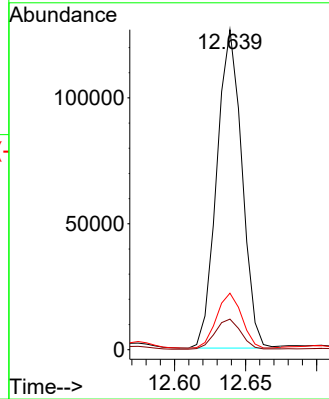
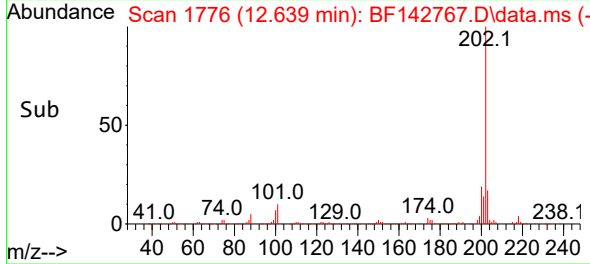
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



Tgt Ion:202 Resp: 155678
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.5
203 17.7 0.0 37.0

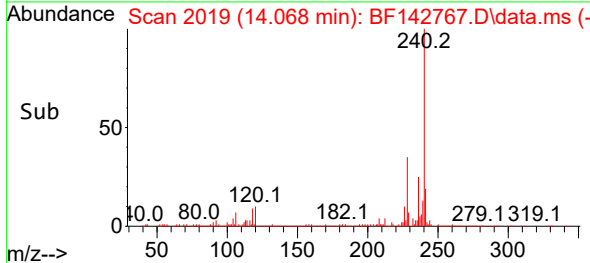
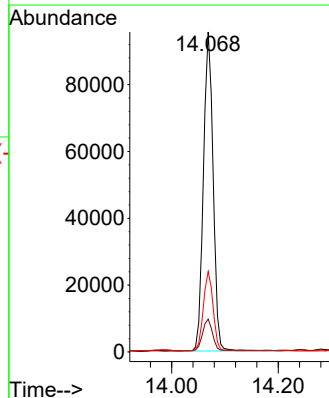
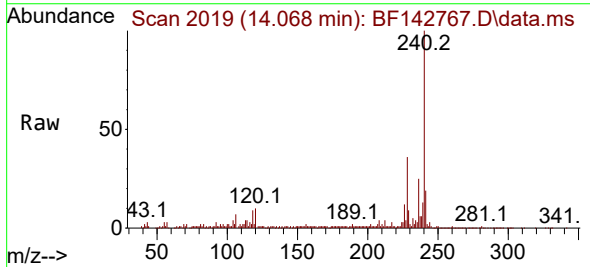
Manual Integrations
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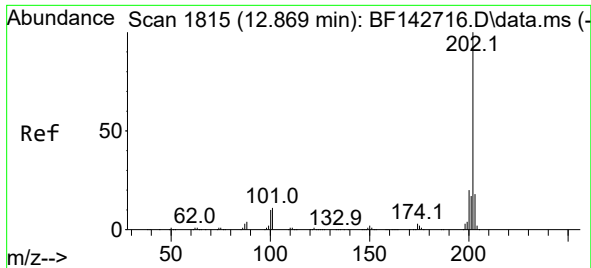
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

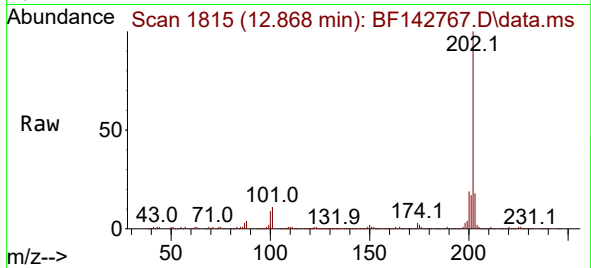
Tgt Ion:240 Resp: 120857
Ion Ratio Lower Upper
240 100
120 10.2 8.5 12.7
236 25.1 20.1 30.1





#78
Pyrene
Concen: 19.289 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

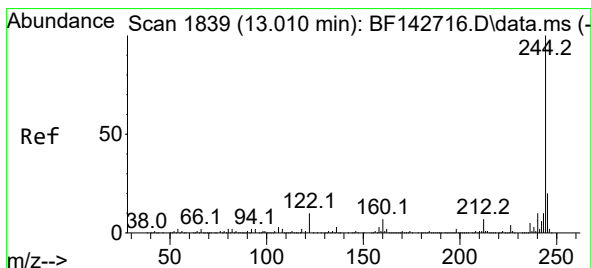
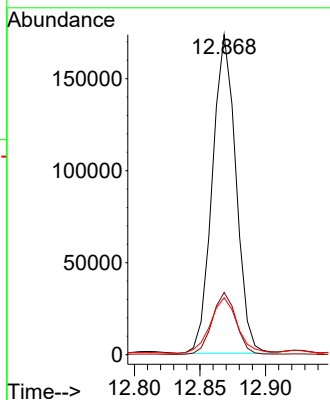
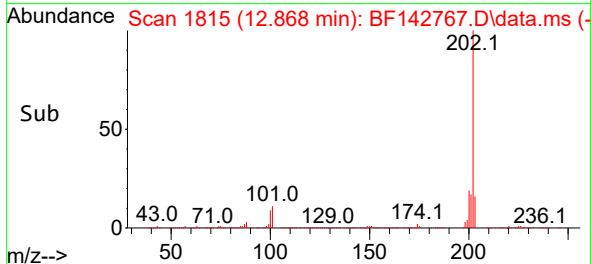
Instrument :
BNA_F
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OK-01-060325



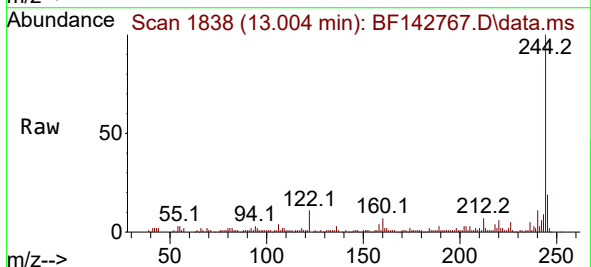
Tgt Ion:202 Resp: 21664
Ion Ratio Lower Upper
202 100
200 19.5 15.8 23.8
203 17.8 14.1 21.1

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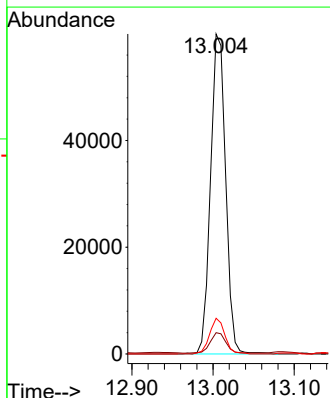
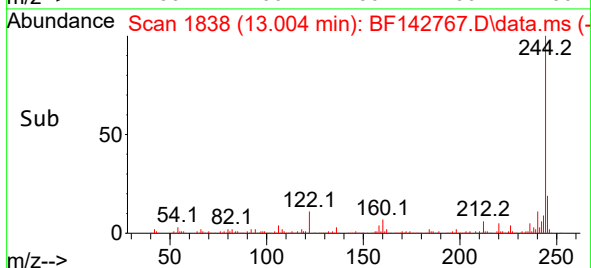
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

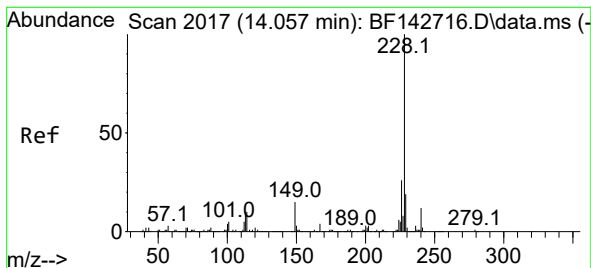


#79
Terphenyl-d14
Concen: 8.777 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56



Tgt Ion:244 Resp: 77234
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.1 8.3 12.5





#81

Benzo(a)anthracene

Concen: 9.815 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

Tgt Ion:228 Resp: 7860

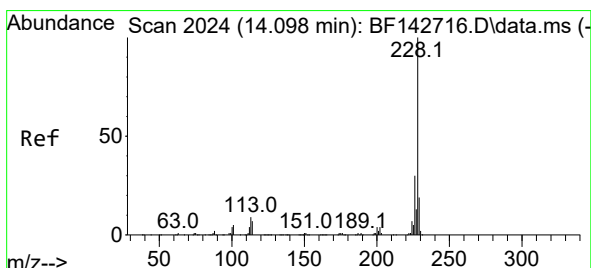
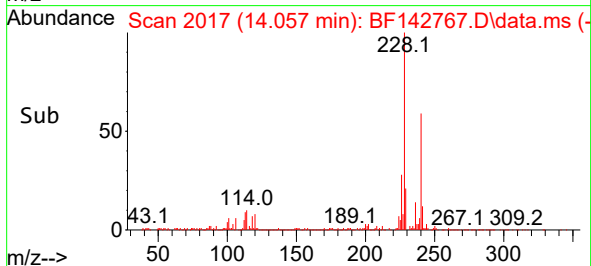
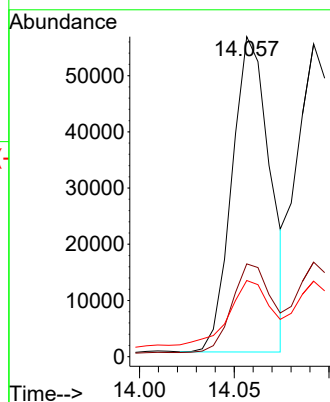
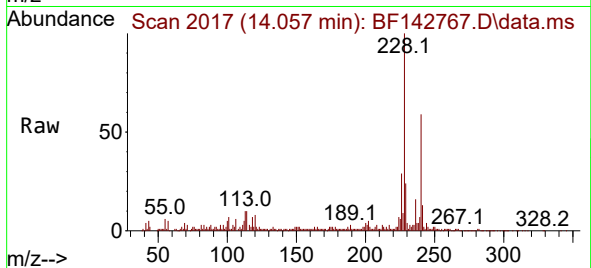
Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.4
229	23.8	15.5	23.3

Manual Integrations

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Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#83

Chrysene

Concen: 10.201 ng

RT: 14.092 min Scan# 2023

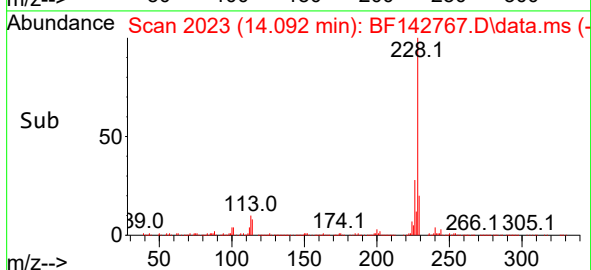
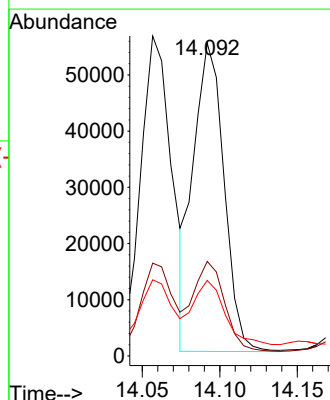
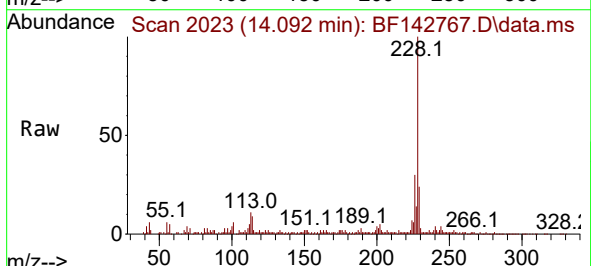
Delta R.T. -0.006 min

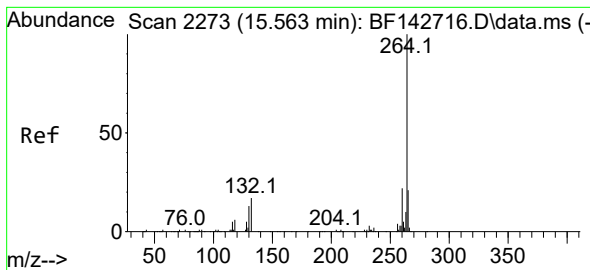
Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Tgt Ion:228 Resp: 75427

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	24.2	15.5	23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

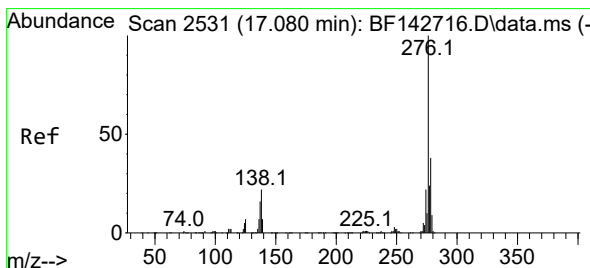
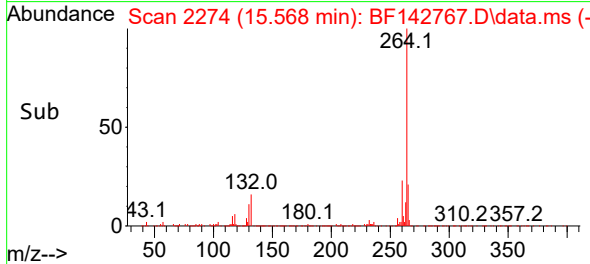
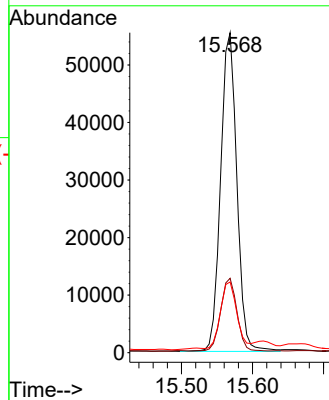
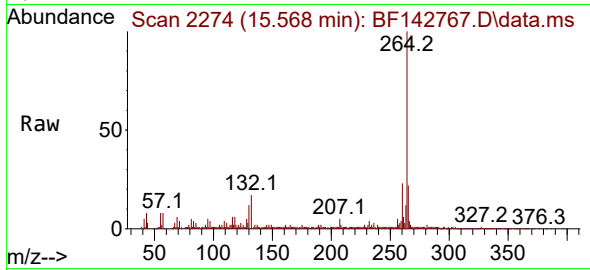
Tgt Ion:264	Resp:	8756
Ion Ratio	Lower	Upper
264	100	
260	23.3	17.8 26.6
265	22.1	16.6 25.0

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: 2.816 ng

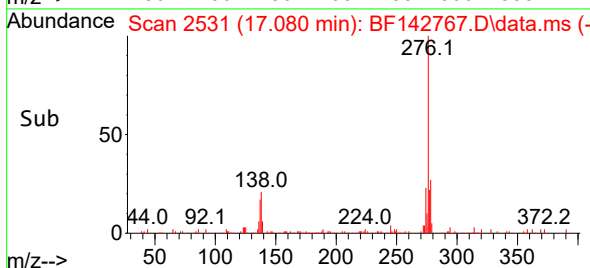
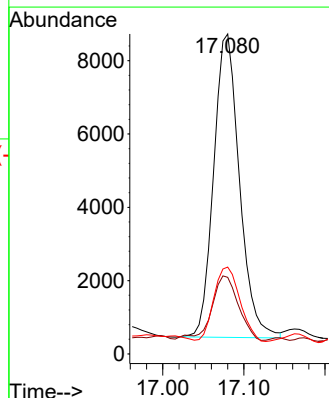
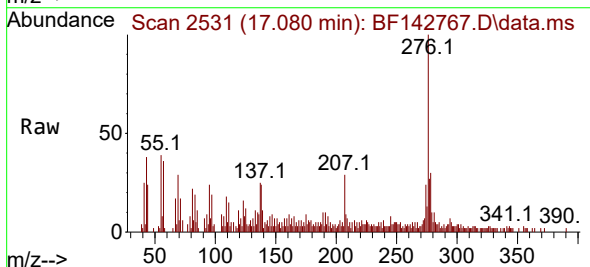
RT: 17.080 min Scan# 2531

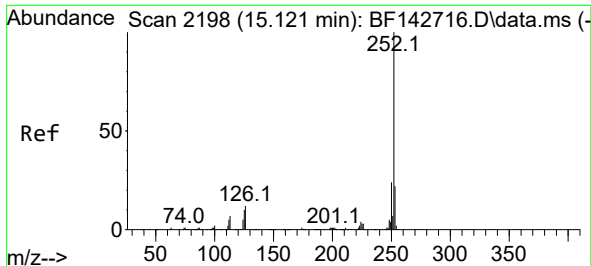
Delta R.T. -0.000 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

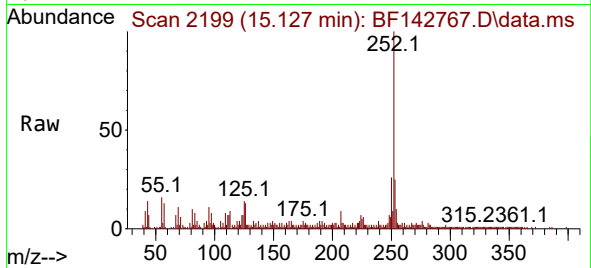
Tgt Ion:276	Resp:	18271
Ion Ratio	Lower	Upper
276	100	
138	23.3	19.3 28.9
277	24.8	20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 8.883 ng m
RT: 15.127 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

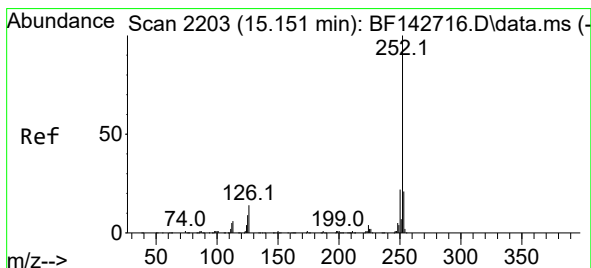
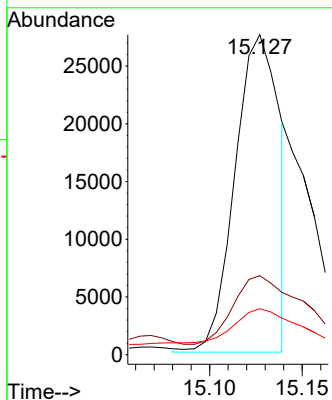
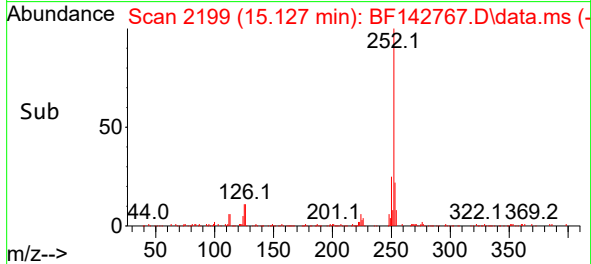
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



Tgt Ion:252 Resp: 45790
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 14.3 7.8 11.6

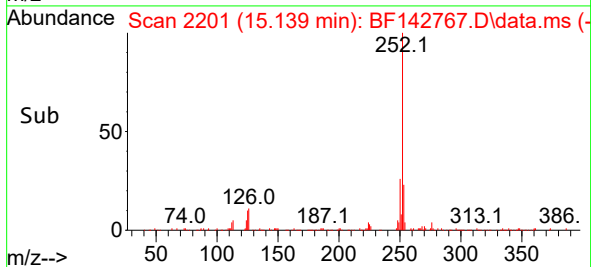
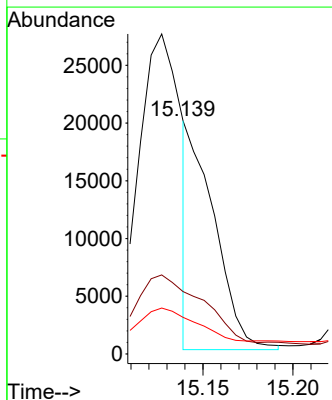
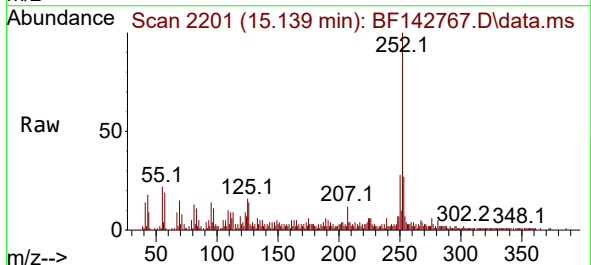
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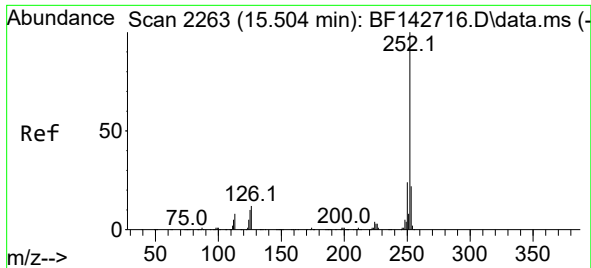
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#89
Benzo(k)fluoranthene
Concen: 3.947 ng m
RT: 15.139 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:252 Resp: 19744
Ion Ratio Lower Upper
252 100
253 26.7 17.3 25.9#
125 15.7 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 8.322 ng
RT: 15.498 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

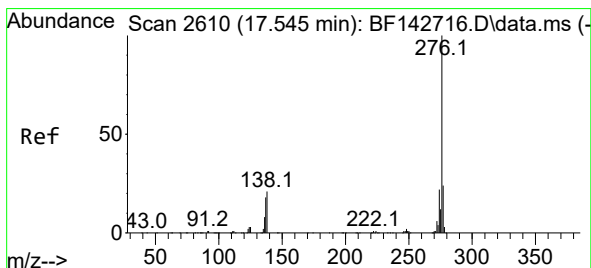
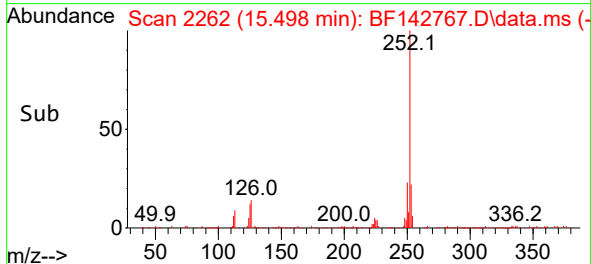
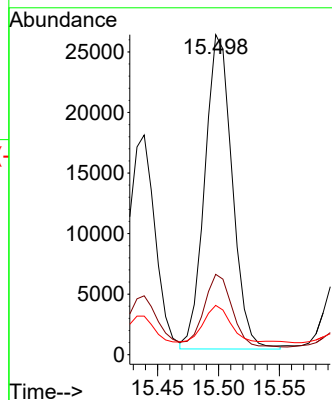
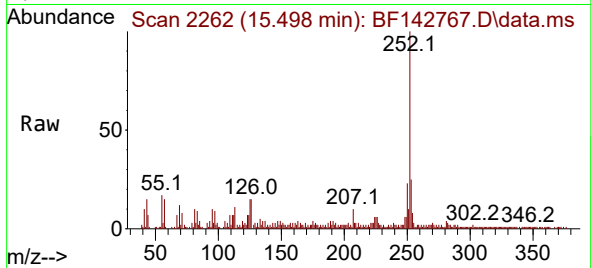
OK-01-060325

Tgt Ion:252 Resp: 4079
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 15.4 8.0 12.0

Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 3.866 ng
RT: 17.539 min Scan# 2609
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:276 Resp: 20366
Ion Ratio Lower Upper
276 100
277 26.9 18.8 28.2
138 23.2 16.4 24.6

