

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142770.D
 Acq On : 12 Jun 2025 21:25
 Operator : RC/JU
 Sample : Q2286-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0082-LAW-250083

Quant Time: Jun 13 01:02:06 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	41714	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	144183	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	76652	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	113176	20.000	ng	# 0.02
76) Chrysene-d12	14.074	240	110757	20.000	ng	0.00
86) Perylene-d12	15.568	264	82631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	16604	6.779	ng	0.00
7) Phenol-d6	6.516	99	18180	6.307	ng	0.00
23) Nitrobenzene-d5	7.451	82	10345	3.927	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	5119	6.093	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	27713	4.803	ng	0.00
79) Terphenyl-d14	13.027	244	33827	4.195	ng	0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.198	128	133825	18.767	ng	99
37) 2-Methylnaphthalene	8.892	142	49001	10.857	ng	98
38) 1-Methylnaphthalene	8.986	142	23489	5.024	ng	97
46) 1,1'-Biphenyl	9.351	154	13080	2.198	ng	91
52) Acenaphthene	9.969	154	20128	4.391	ng	# 86
55) Dibenzofuran	10.145	168	30835m	4.723	ng	
58) Fluorene	10.492	166	31203	6.053	ng	# 59
71) Phenanthrene	11.469	178	161343	26.610	ng	# 78
74) Di-n-butylphthalate	12.004	149	55514	9.468	ng	# 53
75) Fluoranthene	12.668	202	54869	9.517	ng	71
78) Pyrene	12.898	202	32263	3.135	ng	# 68

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

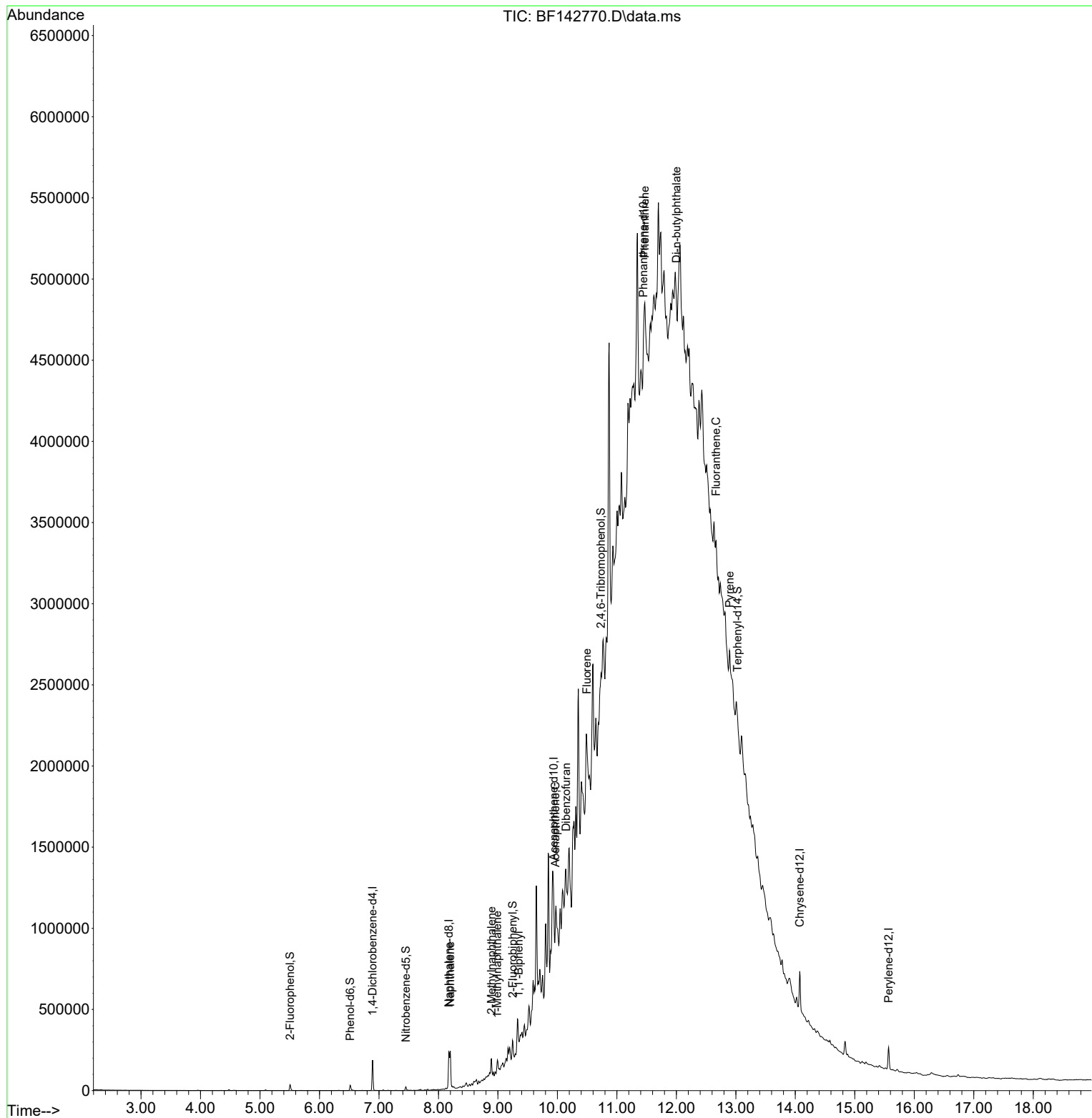
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142770.D
Acq On : 12 Jun 2025 21:25
Operator : RC/JU
Sample : Q2286-01 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

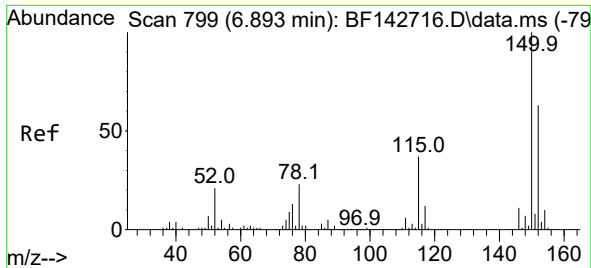
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

Quant Time: Jun 13 01:02:06 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

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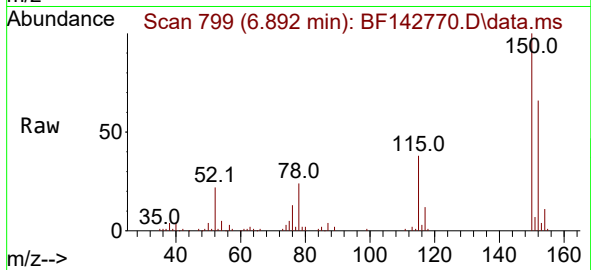
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

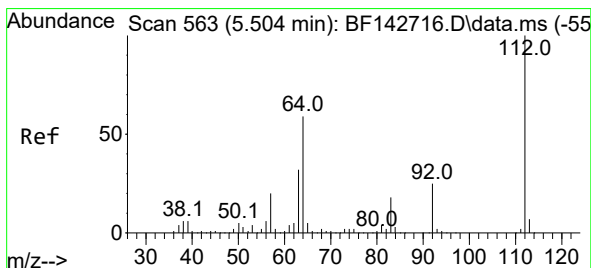
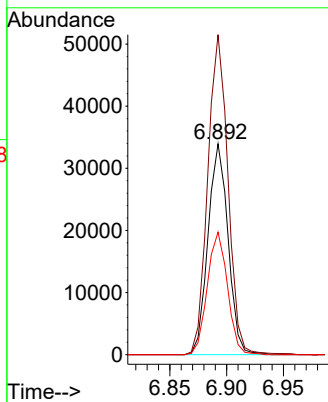
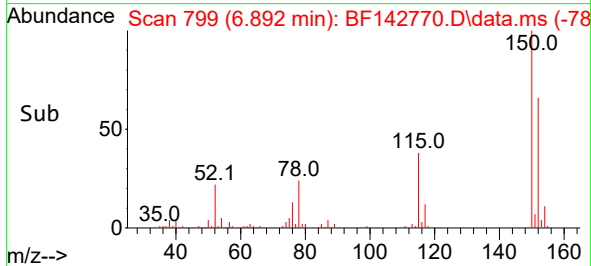
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



Tgt Ion:152 Resp: 41714
Ion Ratio Lower Upper
152 100
150 151.8 126.9 190.3
115 58.1 47.0 70.6

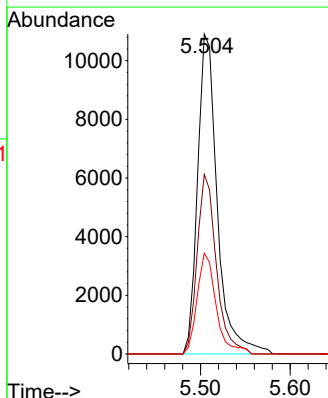
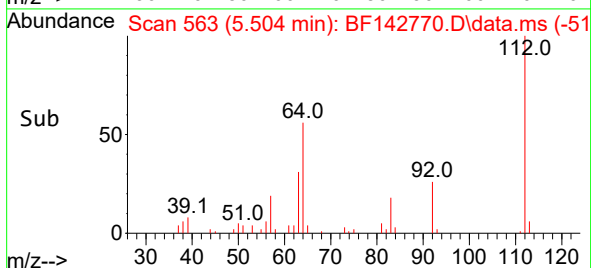
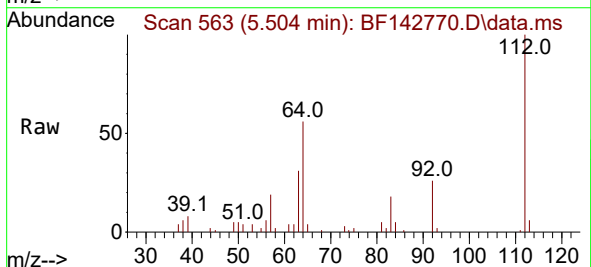
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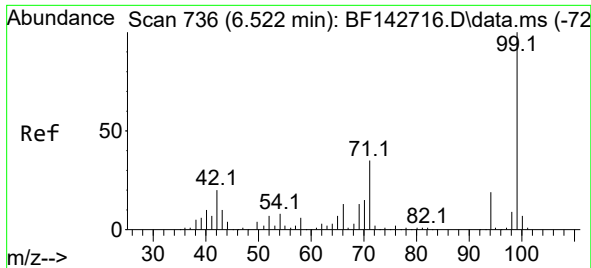
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#5
2-Fluorophenol
Concen: 6.779 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

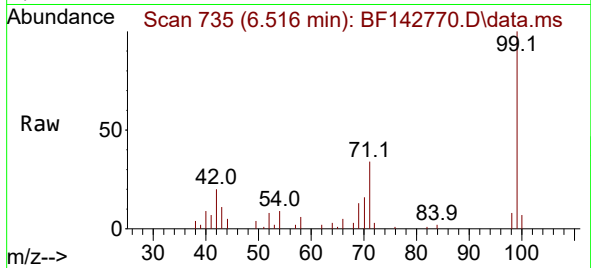
Tgt Ion:112 Resp: 16604
Ion Ratio Lower Upper
112 100
64 56.2 47.4 71.2
63 31.4 25.4 38.0





#7
Phenol-d6
Concen: 6.307 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

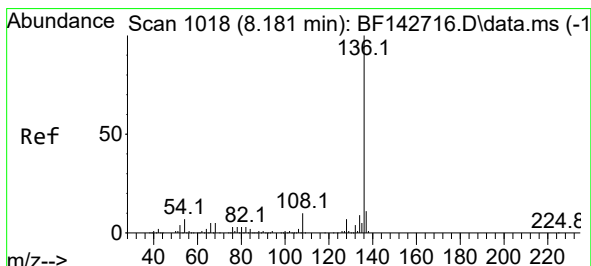
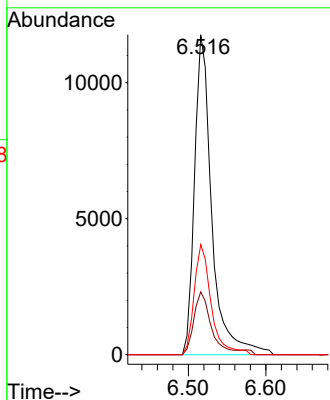
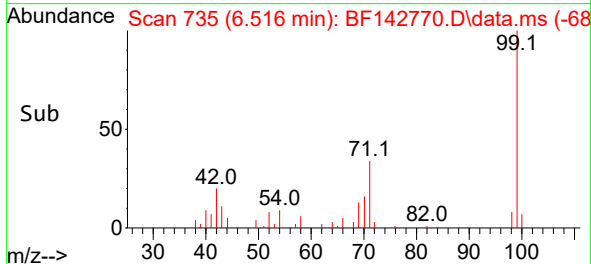
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



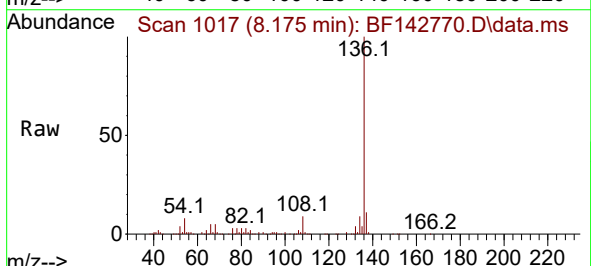
Tgt Ion: 99 Resp: 18180
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 34.4 28.0 42.0

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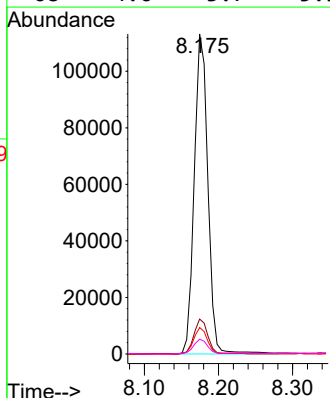
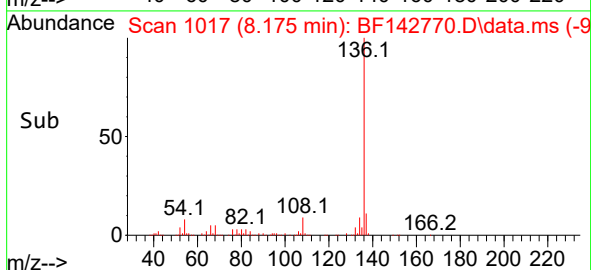
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

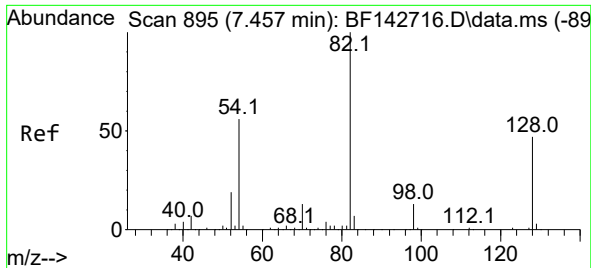


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25



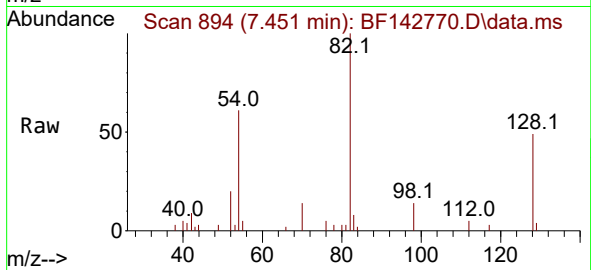
Tgt Ion:136 Resp: 144183
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 5.9 8.9
68 4.6 3.7 5.5





#23
Nitrobenzene-d5
Concen: 3.927 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

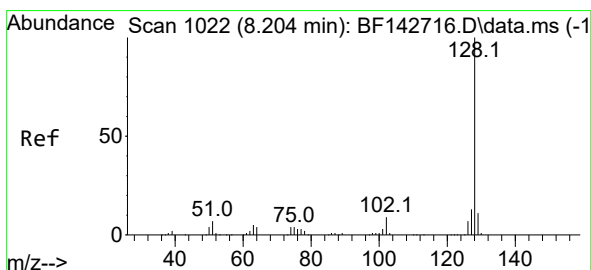
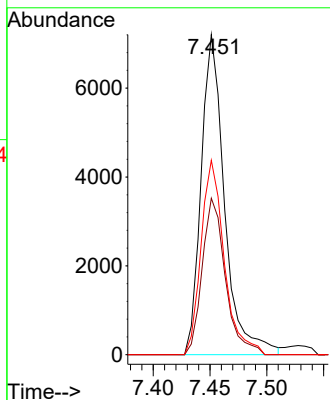
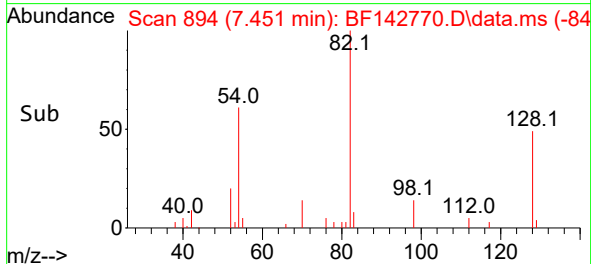
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



Tgt Ion: 82 Resp: 10349
Ion Ratio Lower Upper
82 100
128 48.9 37.8 56.8
54 60.7 44.9 67.3

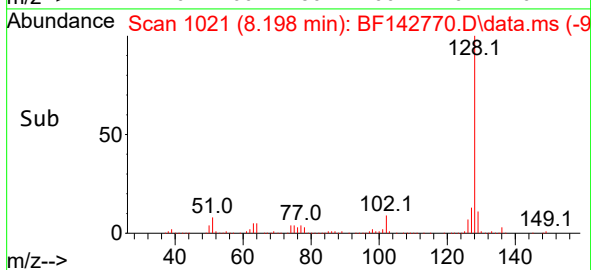
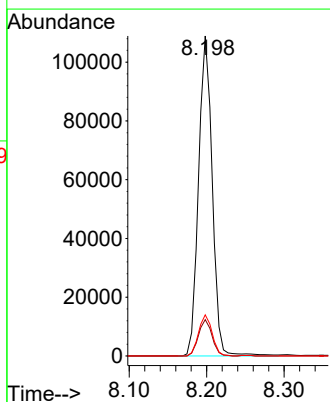
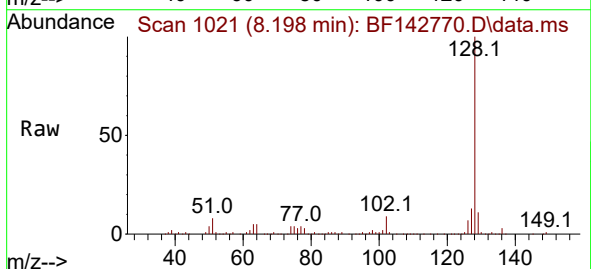
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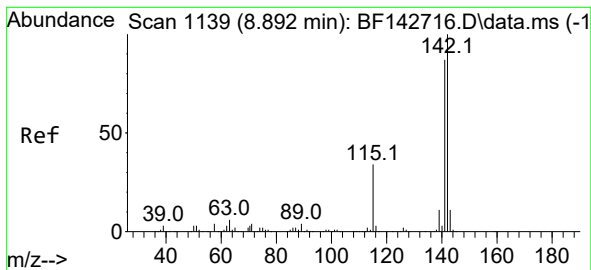
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#31
Naphthalene
Concen: 18.767 ng
RT: 8.198 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:128 Resp: 133825
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 12.8 10.4 15.6





#37

2-Methylnaphthalene

Concen: 10.857 ng

RT: 8.892 min Scan# 1139

Delta R.T. -0.000 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

Instrument :

BNA_F

ClientSampleId :

LAW-25-0082-LAW-250083

Tgt Ion:142 Resp: 4900

Ion Ratio Lower Upper

142 100

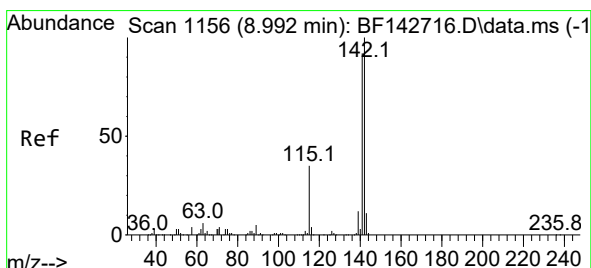
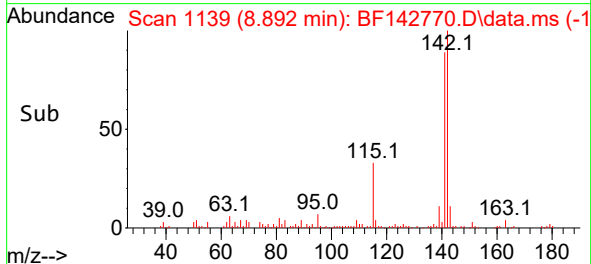
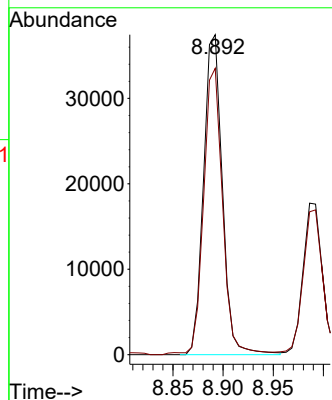
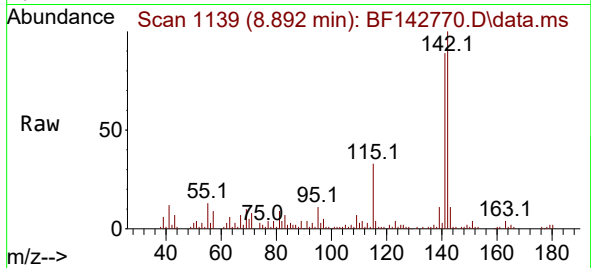
141 89.5 69.9 104.9

Manual Integrations

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Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#38

1-Methylnaphthalene

Concen: 5.024 ng

RT: 8.986 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF142770.D

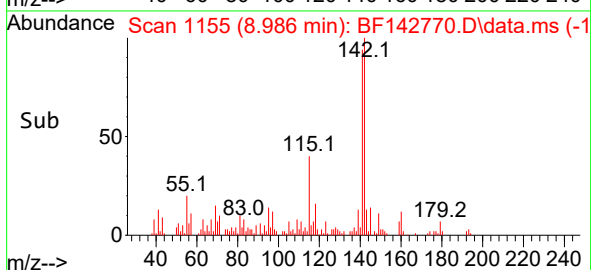
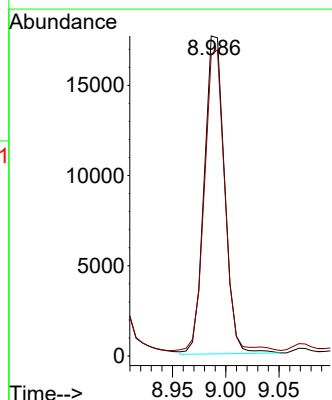
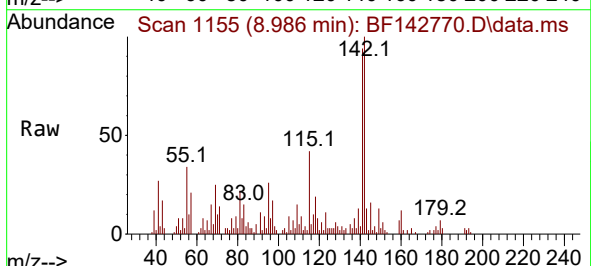
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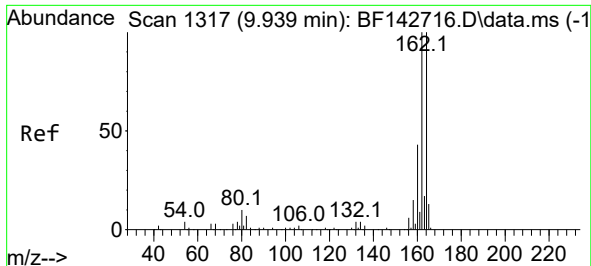
Tgt Ion:142 Resp: 23489

Ion Ratio Lower Upper

142 100

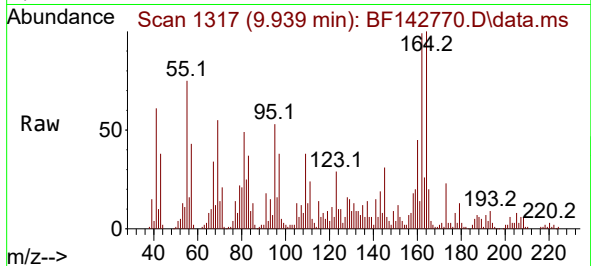
141 94.4 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

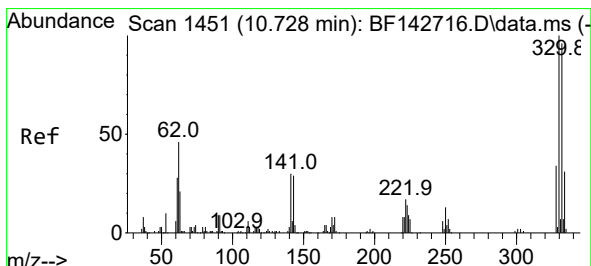
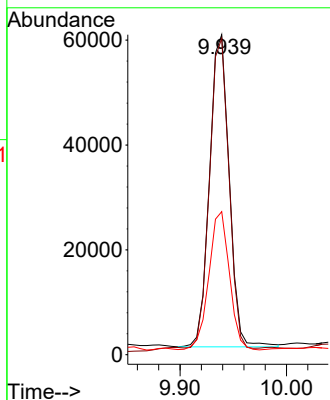
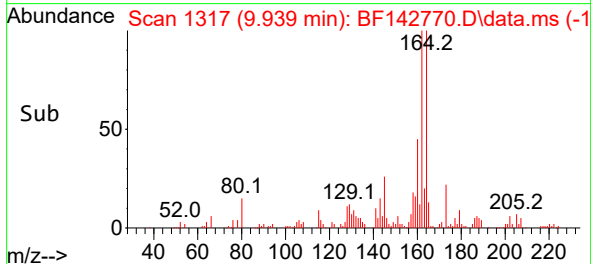
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



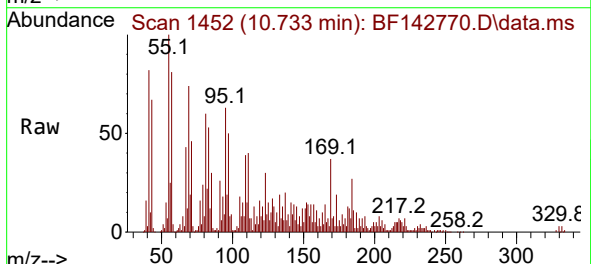
Tgt Ion:164 Resp: 76652
Ion Ratio Lower Upper
164 100
162 98.8 79.9 119.9
160 44.7 34.8 52.2

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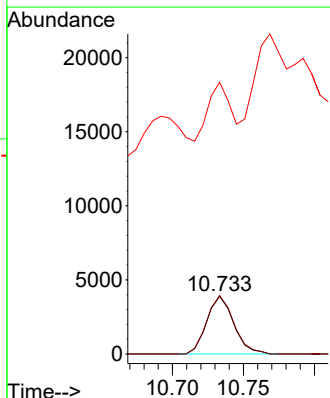
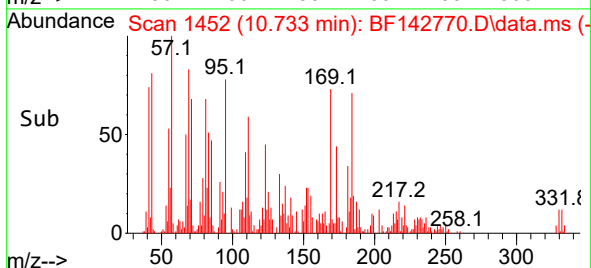
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

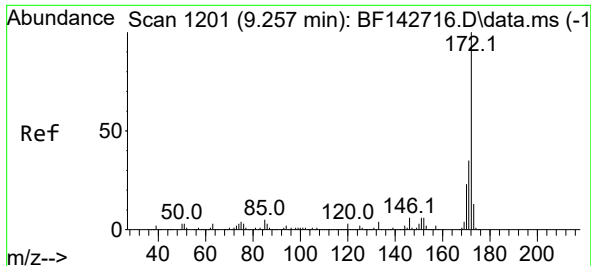


#42
2,4,6-Tribromophenol
Concen: 6.093 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.005 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25



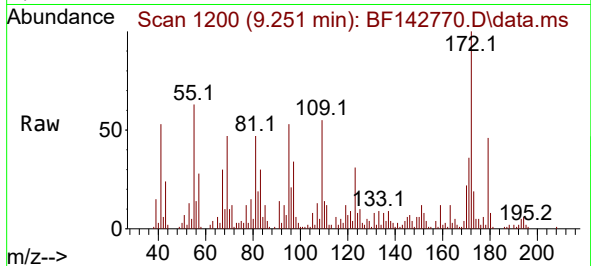
Tgt Ion:330 Resp: 5119
Ion Ratio Lower Upper
330 100
332 101.7 77.0 115.6
141 82.7 25.4 38.0#





#45
2-Fluorobiphenyl
Concen: 4.803 ng
RT: 9.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

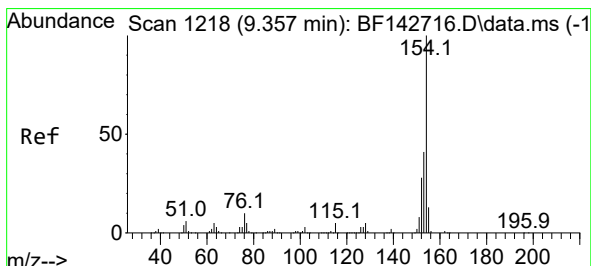
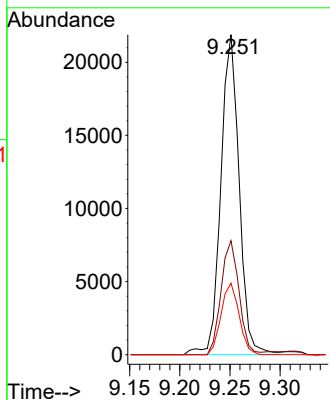
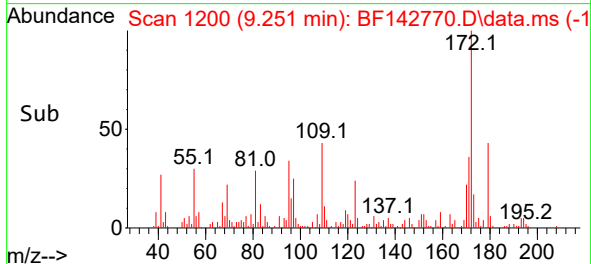
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



Tgt Ion:172 Resp: 2771
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 22.3 18.6 27.8

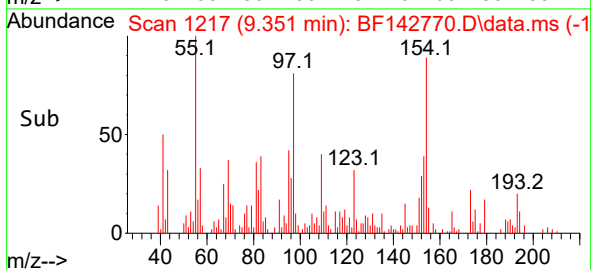
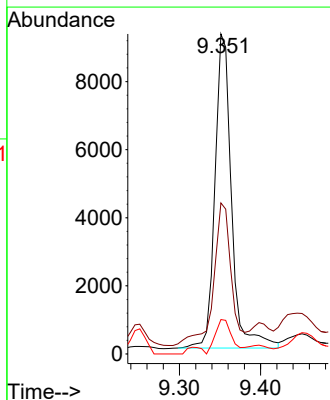
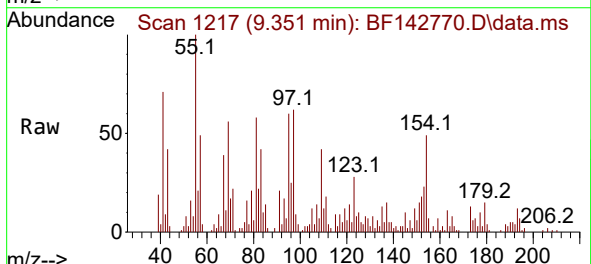
Manual Integrations
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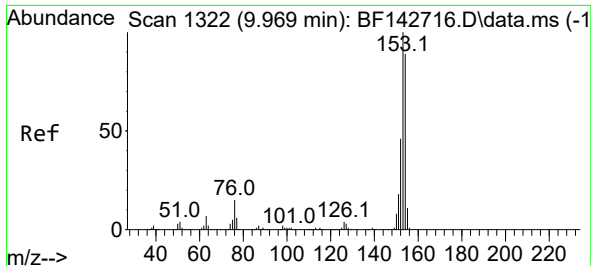
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#46
1,1'-Biphenyl
Concen: 2.198 ng
RT: 9.351 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

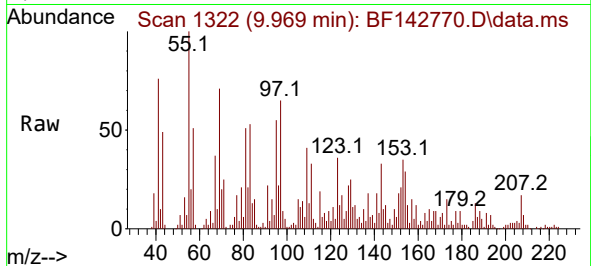
Tgt Ion:154 Resp: 13080
Ion Ratio Lower Upper
154 100
153 47.2 20.6 60.6
76 10.8 0.0 30.2





#52
Acenaphthene
Concen: 4.391 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

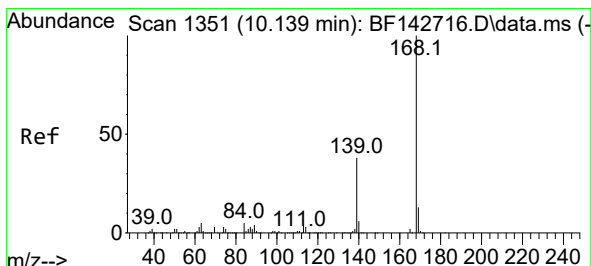
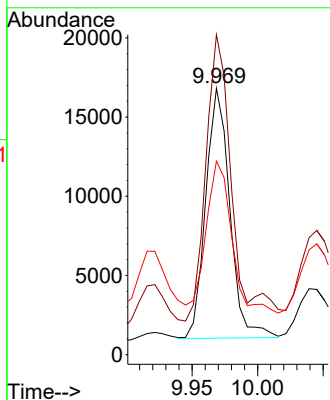
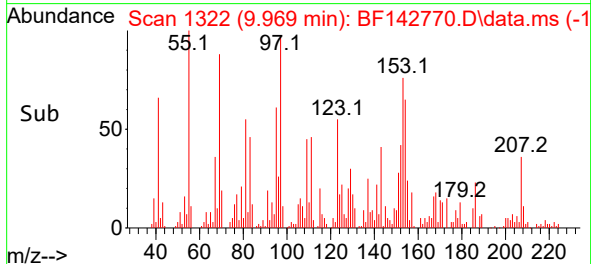
Instrument : BNA_F
ClientSampleId : LAW-25-0082-LAW-250083



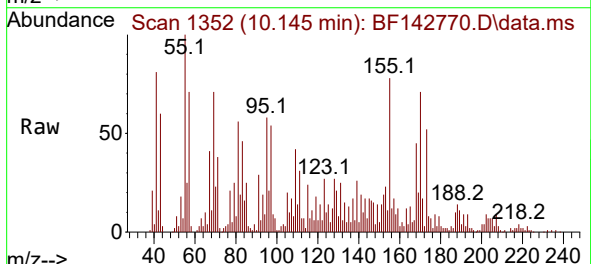
Tgt Ion:154 Resp: 20128
Ion Ratio Lower Upper
154 100
153 120.1 90.1 135.1
152 72.7 41.9 62.9

Manual Integrations
APPROVED

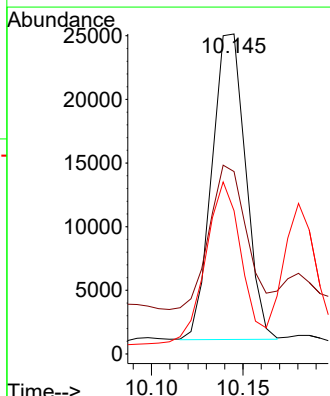
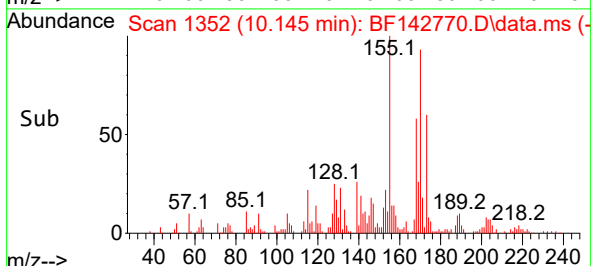
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

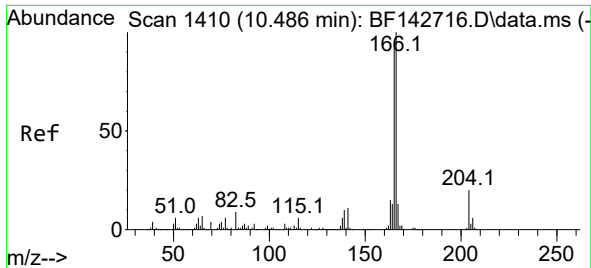


#55
Dibenzofuran
Concen: 4.723 ng m
RT: 10.145 min Scan# 1352
Delta R.T. 0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25



Tgt Ion:168 Resp: 30835
Ion Ratio Lower Upper
168 100
139 57.0 30.9 46.3#
169 44.8 10.8 16.2#





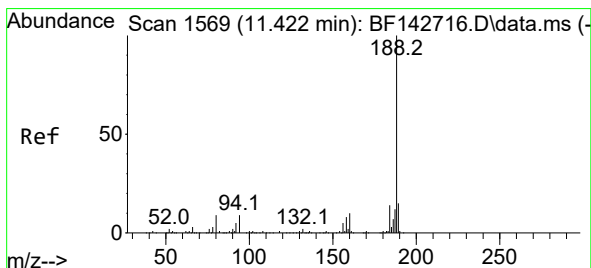
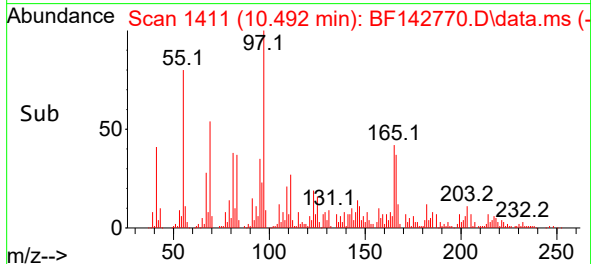
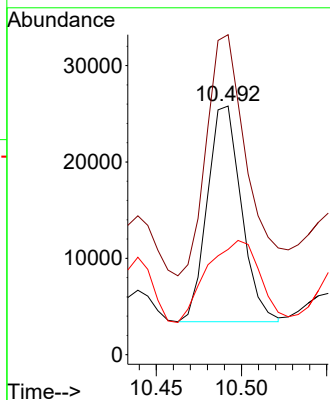
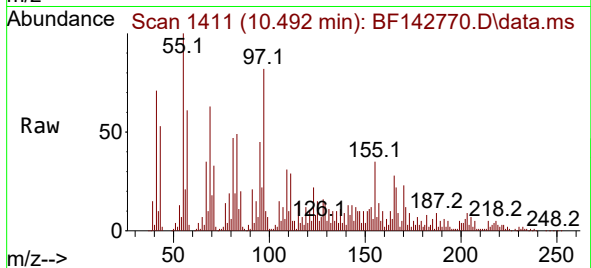
#58
Fluorene
Concen: 6.053 ng
RT: 10.492 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

Tgt Ion:166 Resp: 31200
Ion Ratio Lower Upper
166 100
165 128.7 74.9 112.3#
167 42.3 10.7 16.1#

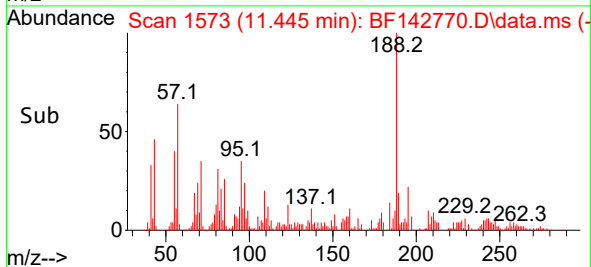
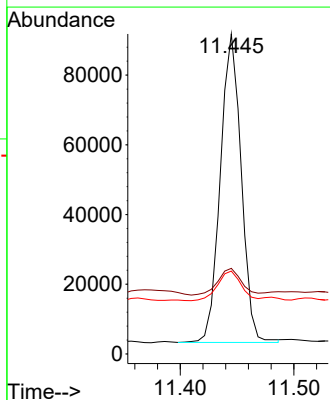
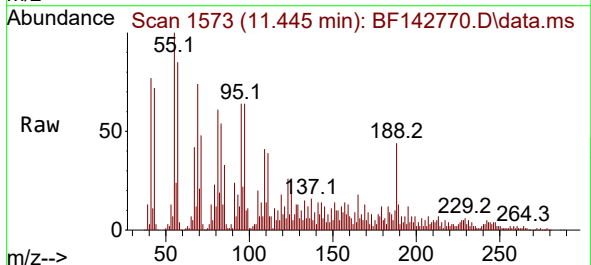
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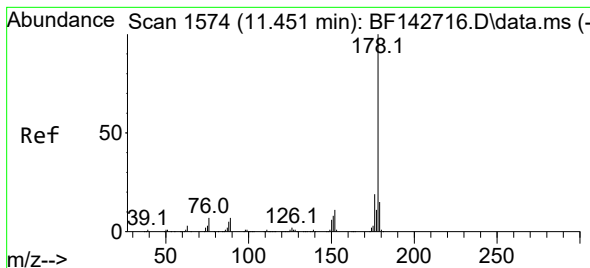
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. 0.023 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:188 Resp: 113176
Ion Ratio Lower Upper
188 100
94 26.8 6.8 10.2#
80 25.9 7.1 10.7#





#71

Phenanthrene

Concen: 26.610 ng

RT: 11.469 min Scan# 1

Delta R.T. 0.017 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

Instrument :

BNA_F

ClientSampleId :

LAW-25-0082-LAW-250083

Tgt Ion:178 Resp: 16134

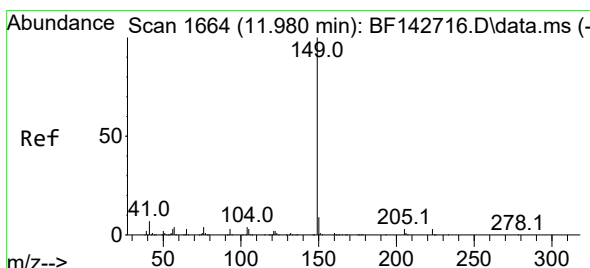
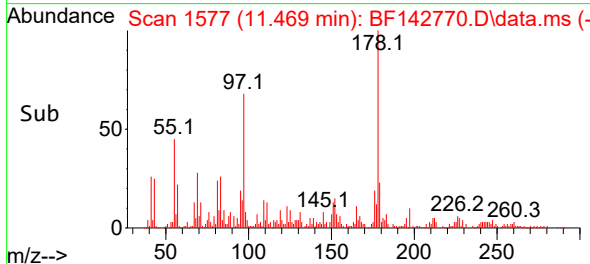
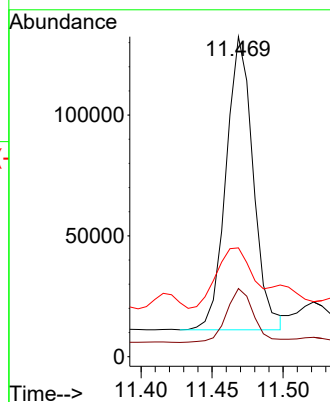
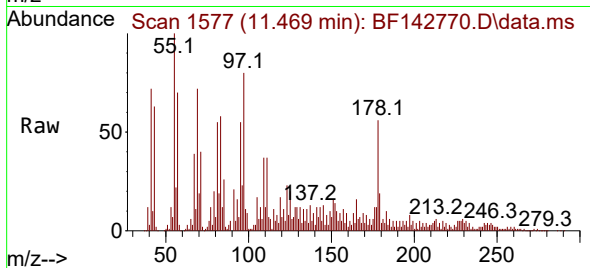
Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.4	23.2
179	34.0	12.2	18.4

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Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#74

Di-n-butylphthalate

Concen: 9.468 ng

RT: 12.004 min Scan# 1668

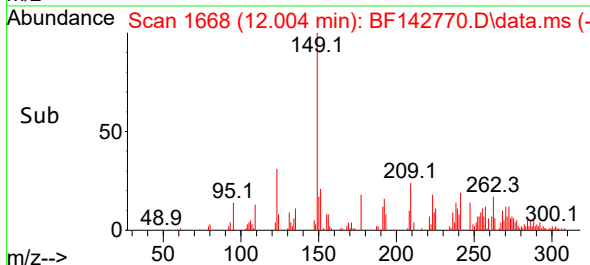
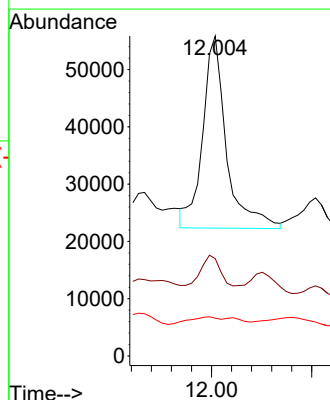
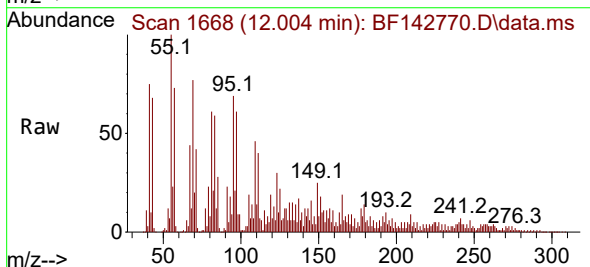
Delta R.T. 0.023 min

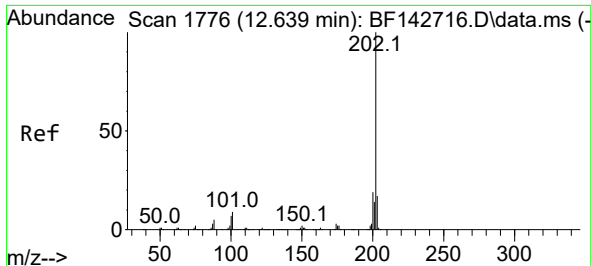
Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

Tgt Ion:149 Resp: 55514

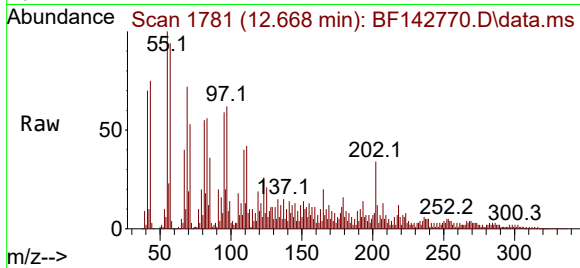
Ion	Ratio	Lower	Upper
149	100		
150	30.4	7.2	10.8#
104	11.8	3.4	5.2#





#75
Fluoranthene
Concen: 9.517 ng
RT: 12.668 min Scan# 1776
Delta R.T. 0.029 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

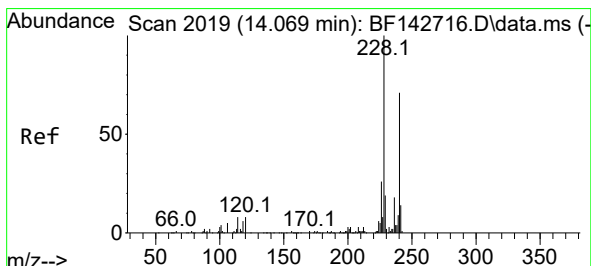
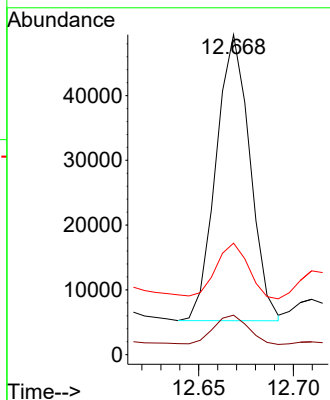
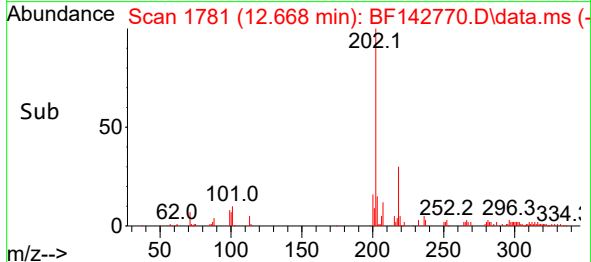
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



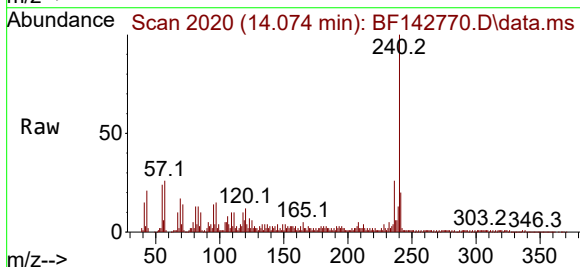
Tgt Ion:202 Resp: 54869
Ion Ratio Lower Upper
202 100
101 12.3 0.0 29.5
203 34.9 0.0 37.0

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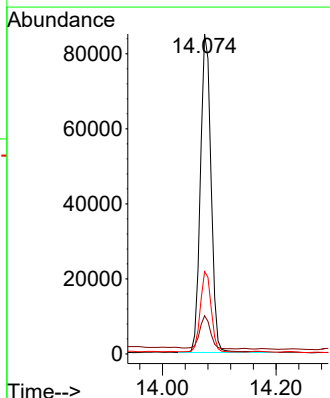
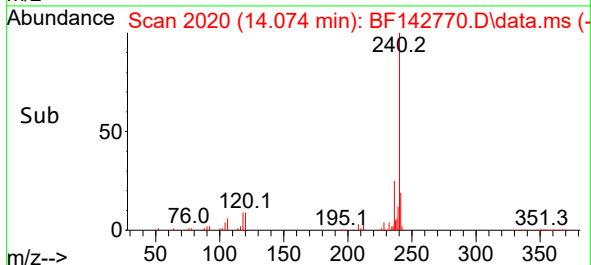
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

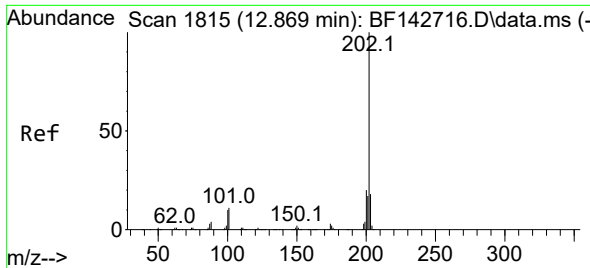


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25



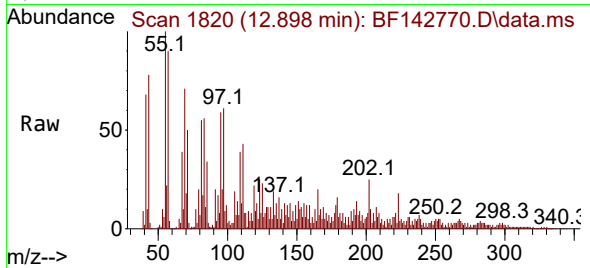
Tgt Ion:240 Resp: 110757
Ion Ratio Lower Upper
240 100
120 11.9 8.5 12.7
236 25.7 20.1 30.1





#78
Pyrene
Concen: 3.135 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.029 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

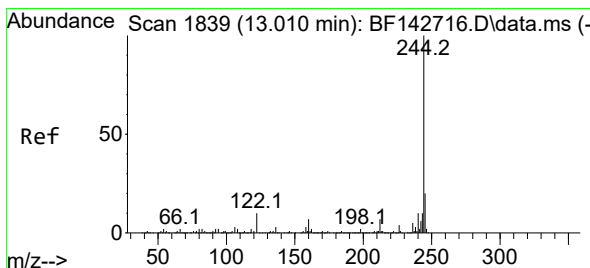
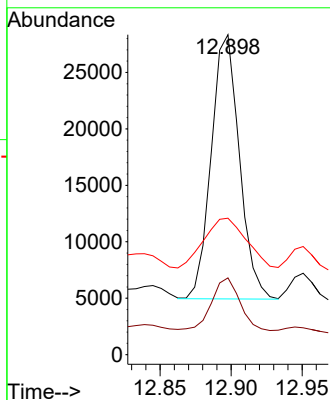
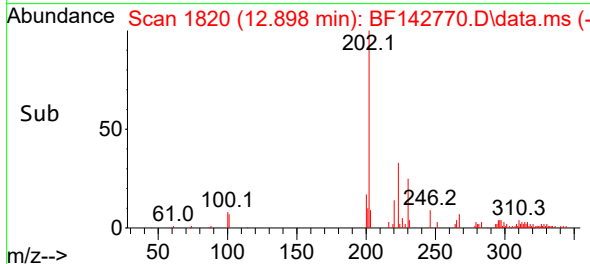
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



Tgt Ion:202 Resp: 3226
Ion Ratio Lower Upper
202 100
200 24.0 15.8 23.8
203 42.7 14.1 21.1

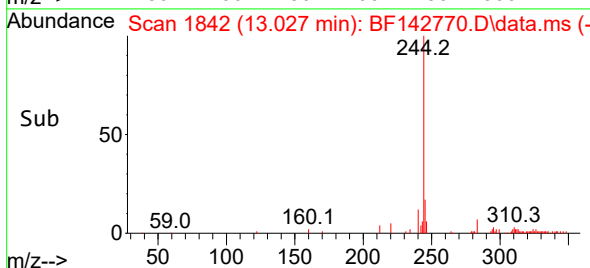
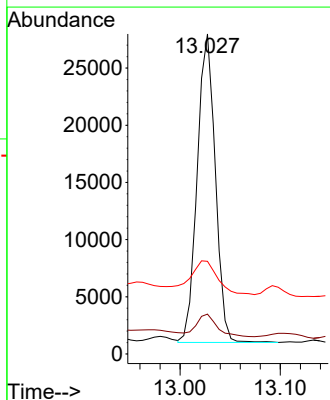
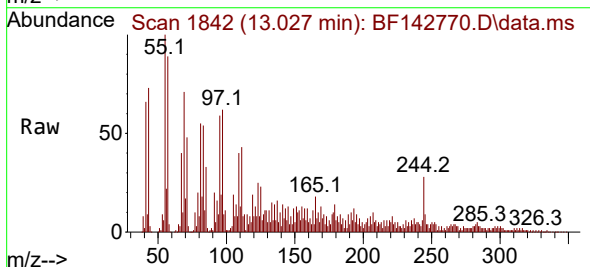
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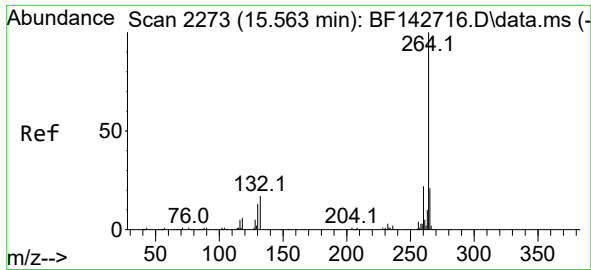
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#79
Terphenyl-d14
Concen: 4.195 ng
RT: 13.027 min Scan# 1842
Delta R.T. 0.017 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

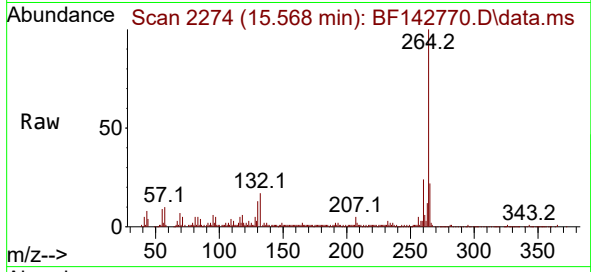
Tgt Ion:244 Resp: 33827
Ion Ratio Lower Upper
244 100
212 12.5 5.4 8.0#
122 29.0 8.3 12.5#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083



Tgt Ion:264 Resp: 8263
Ion Ratio Lower Upper
264 100
260 23.6 17.8 26.6
265 21.6 16.6 25.0

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

