

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142550.D
 Acq On : 23 May 2025 22:21
 Operator : RC/JU
 Sample : Q2102-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0077

Manual Integrations
 APPROVED

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

Quant Time: May 24 05:55:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	80177	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	261453	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	116899	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	160535	20.000	ng	# 0.02
76) Chrysene-d12	14.086	240	185993	20.000	ng	# 0.01
86) Perylene-d12	15.568	264	144535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	14769	3.103	ng	0.00
7) Phenol-d6	6.516	99	21935	3.829	ng	-0.02
23) Nitrobenzene-d5	7.457	82	14972	3.123	ng	-0.02
42) 2,4,6-Tribromophenol	10.739	330	6455	4.975	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	37839	4.343	ng	-0.01
79) Terphenyl-d14	13.039	244	41299	3.034	ng	0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	7.034	79	88887	20.996	ng	99
71) Phenanthrene	11.474	178	37351	4.354	ng	# 1
75) Fluoranthene	12.674	202	63655	7.941	ng	69
78) Pyrene	12.904	202	54686	3.152	ng	# 70
81) Benzo(a)anthracene	14.074	228	35237	2.837	ng	# 87
83) Chrysene	14.110	228	32537	2.916	ng	# 86
84) Bis(2-ethylhexyl)phtha...	14.051	149	134829	21.969	ng	# 94
88) Benzo(b)fluoranthene	15.133	252	34119m	3.989	ng	
90) Benzo(a)pyrene	15.504	252	17817	2.210	ng	# 72

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

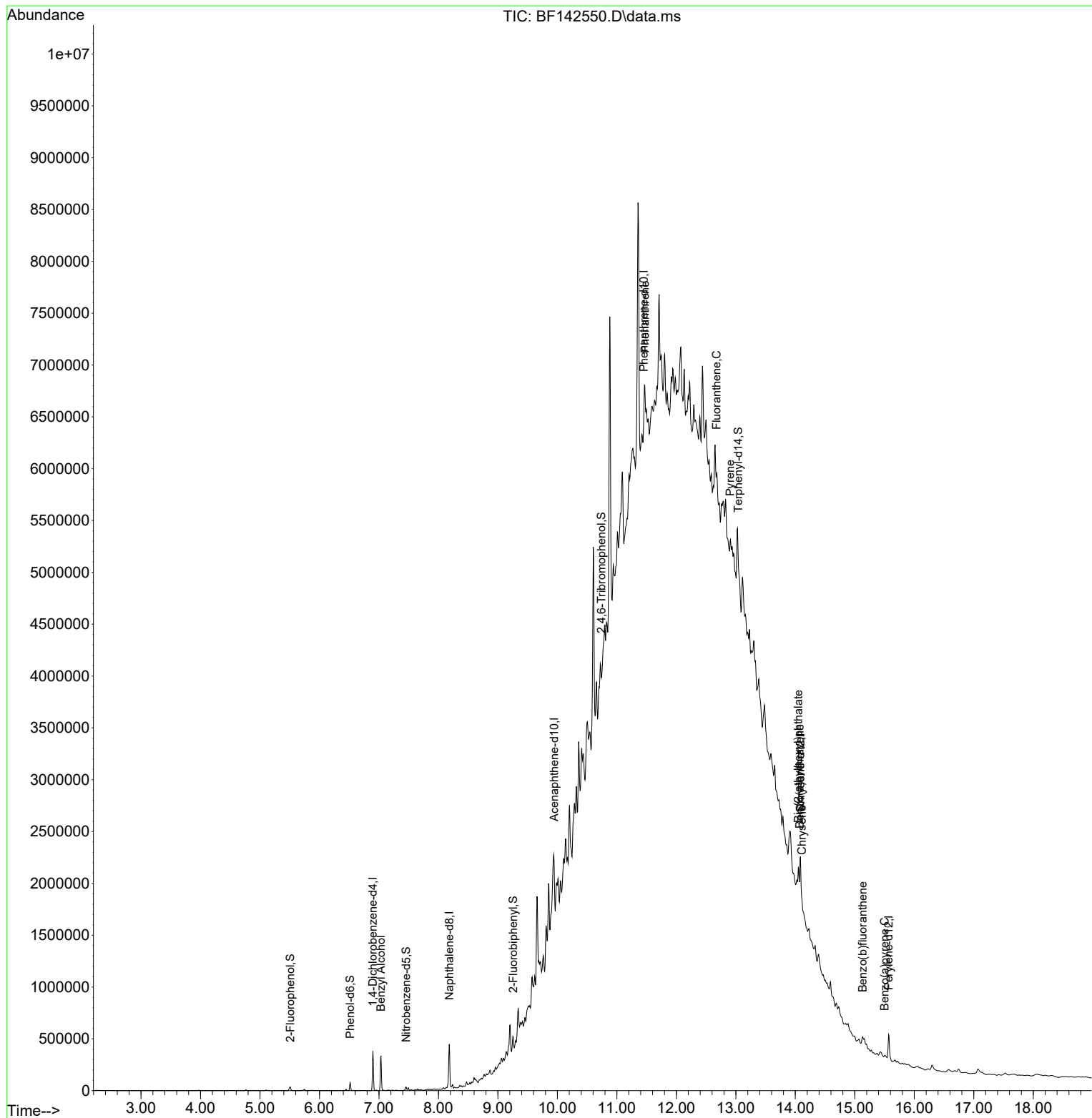
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
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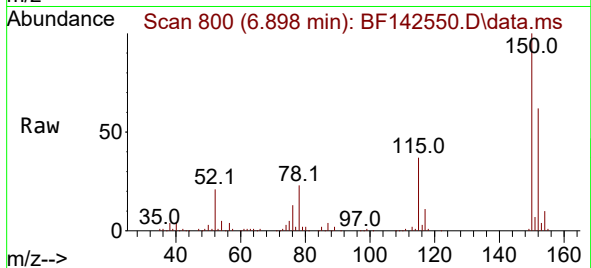
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077



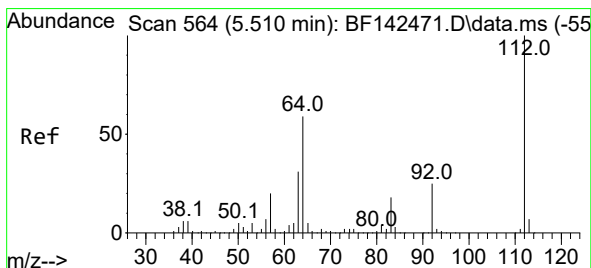
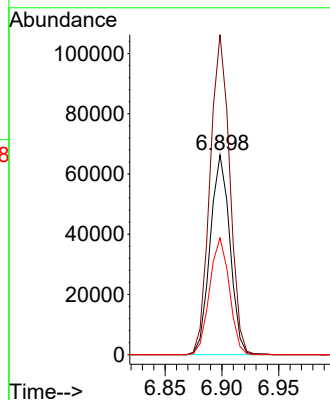
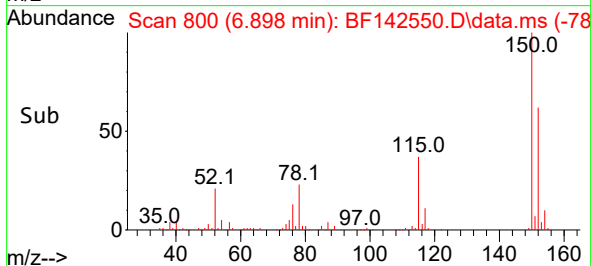
Tgt Ion:152 Resp: 8017
Ion Ratio Lower Upper
152 100
150 160.2 128.2 192.4
115 58.5 48.3 72.5

Manual Integrations

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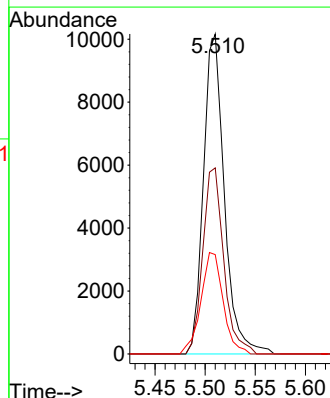
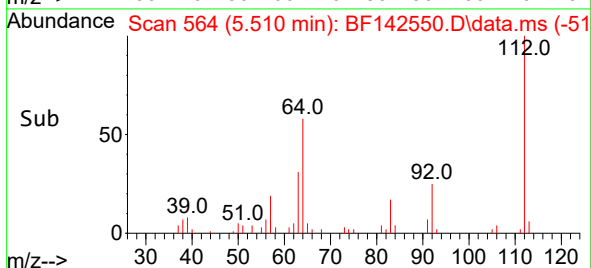
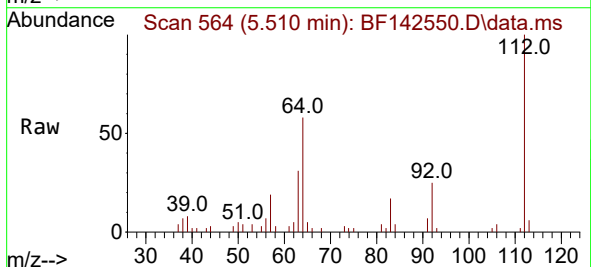
Reviewed By :Rahul Chavli 05/27/2025

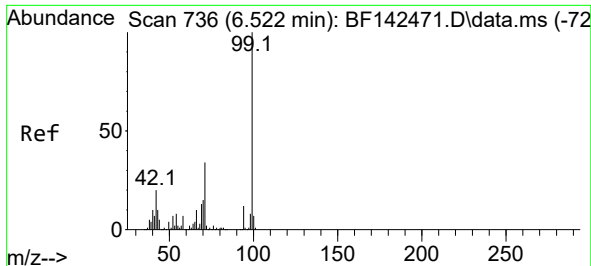
Supervised By :Jagrut Upadhyay 05/27/2025



#5
2-Fluorophenol
Concen: 3.103 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

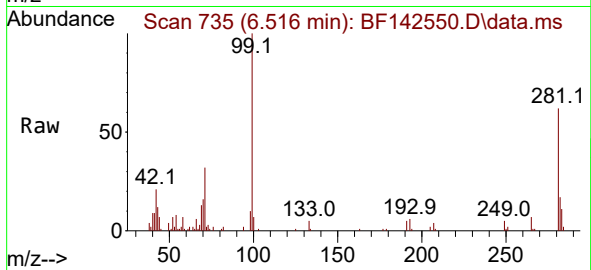
Tgt Ion:112 Resp: 14769
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 31.1 24.9 37.3





#7
Phenol-d6
Concen: 3.829 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

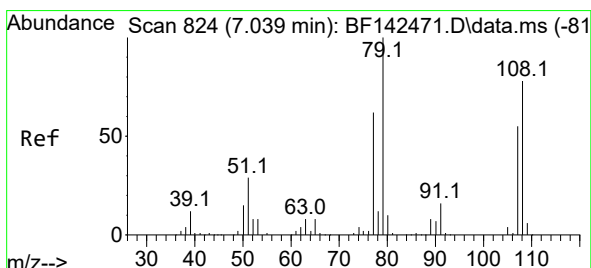
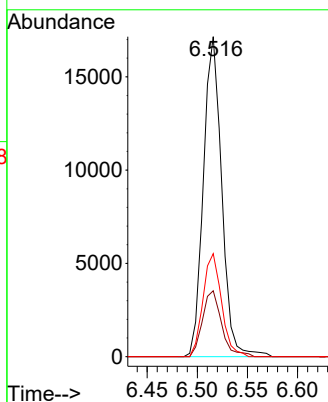
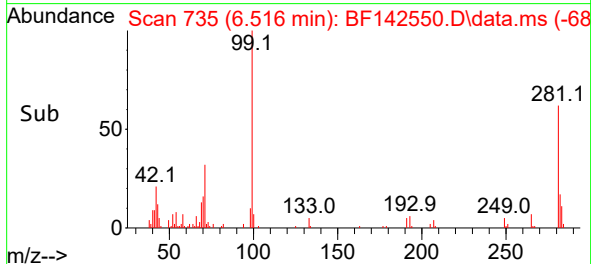
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077



Tgt Ion: 99 Resp: 2193
Ion Ratio Lower Upper
99 100
42 20.6 16.2 24.2
71 32.2 27.3 40.9

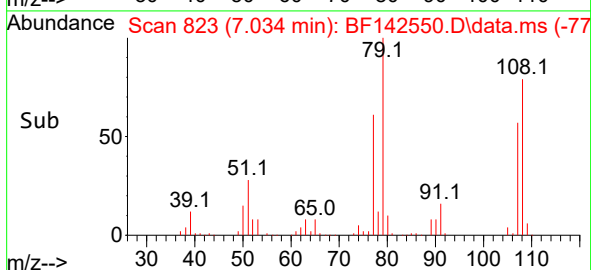
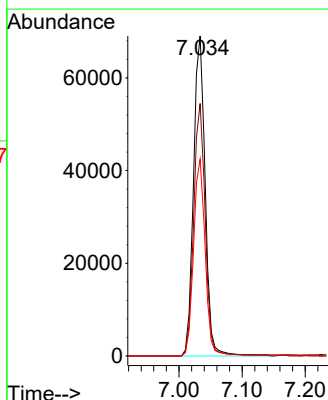
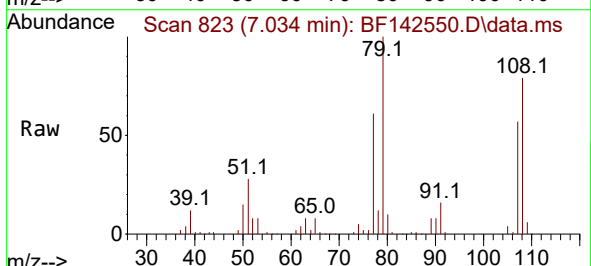
Manual Integrations
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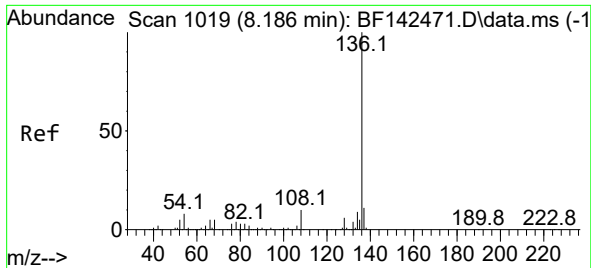
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#15
Benzyl Alcohol
Concen: 20.996 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.012 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion: 79 Resp: 88887
Ion Ratio Lower Upper
79 100
108 78.9 62.1 93.1
77 61.4 49.5 74.3





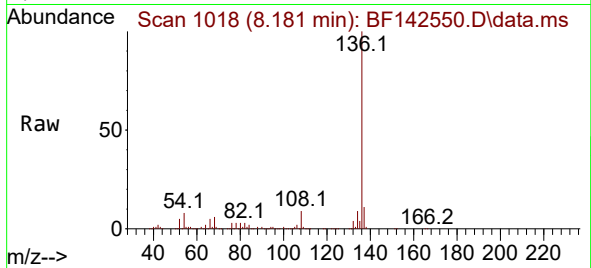
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077



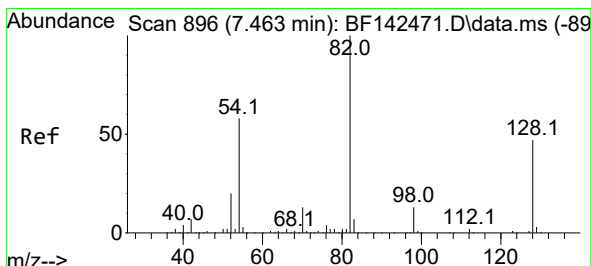
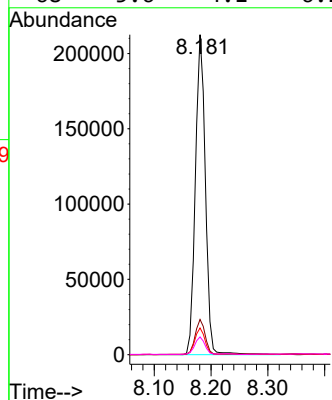
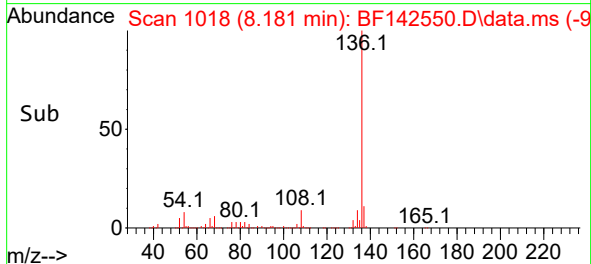
Tgt Ion:136 Resp: 26145
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 6.6 10.0
68 5.6 4.1 6.1

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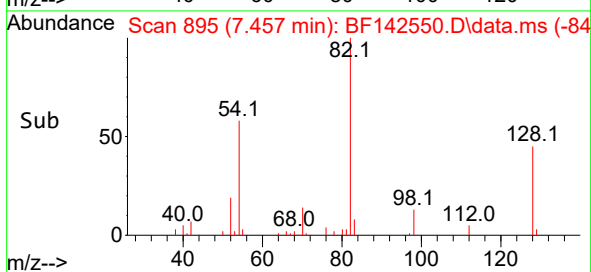
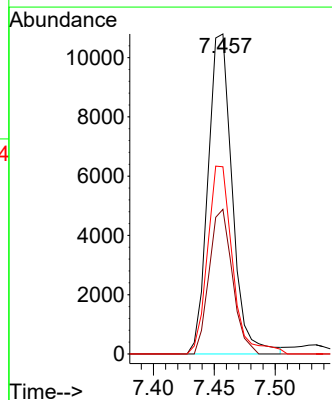
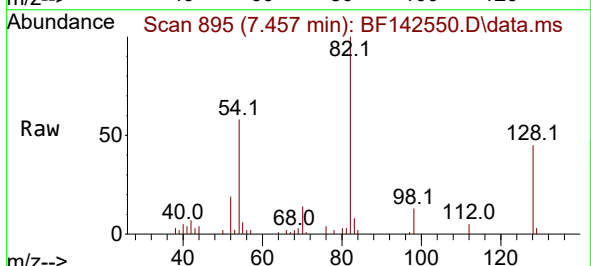
Reviewed By :Rahul Chavli 05/27/2025

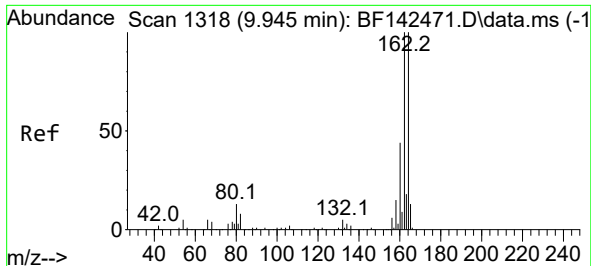
Supervised By :Jagrut Upadhyay 05/27/2025



#23
Nitrobenzene-d5
Concen: 3.123 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion: 82 Resp: 14972
Ion Ratio Lower Upper
82 100
128 45.2 37.4 56.2
54 58.5 46.6 70.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142550.D

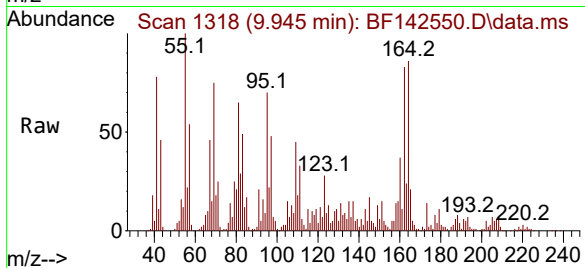
Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077



Tgt Ion:164 Resp: 11689

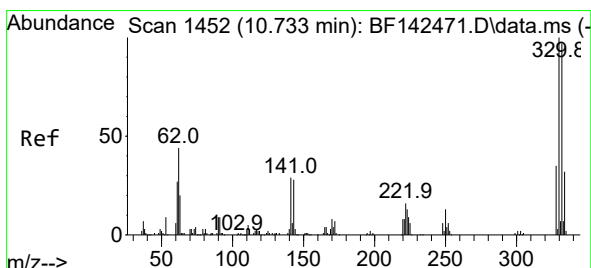
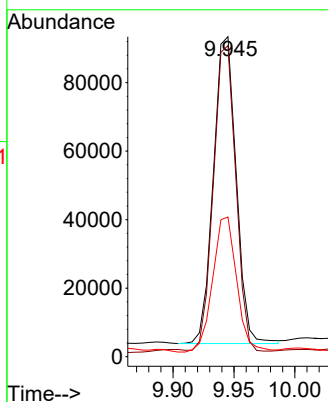
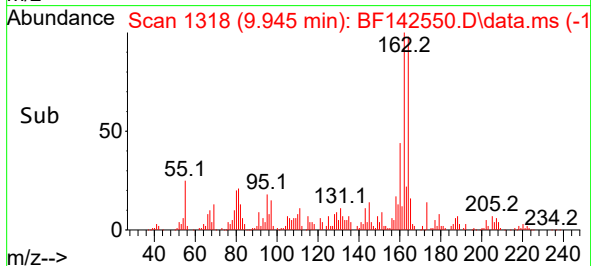
Ion	Ratio	Lower	Upper
164	100		
162	97.2	80.2	120.4
160	43.6	35.6	53.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/27/2025



#42

2,4,6-Tribromophenol

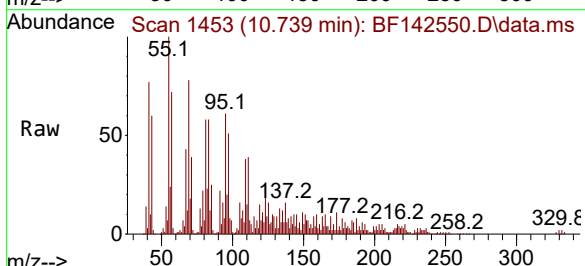
Concen: 4.975 ng

RT: 10.739 min Scan# 1453

Delta R.T. 0.000 min

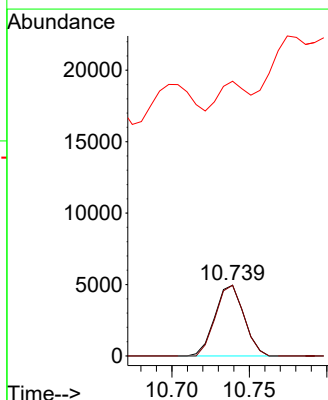
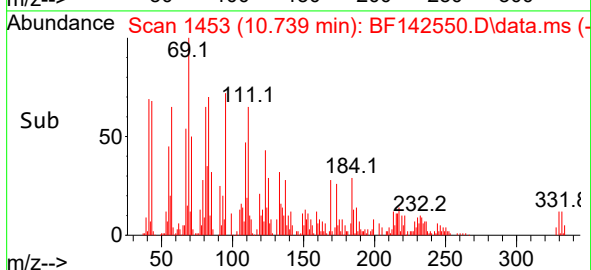
Lab File: BF142550.D

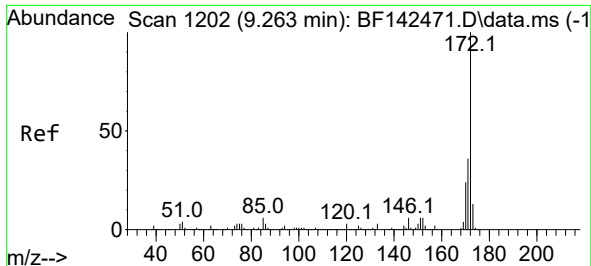
Acq: 23 May 2025 22:21



Tgt Ion:330 Resp: 6455

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.6	116.4
141	38.8	24.6	36.8





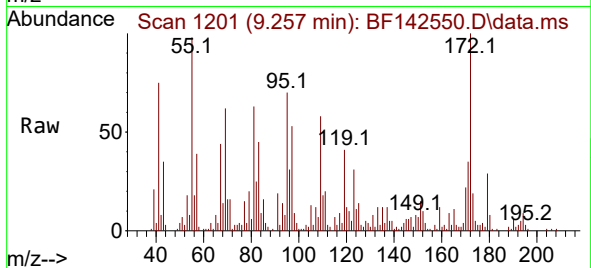
#45
2-Fluorobiphenyl
Concen: 4.343 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077



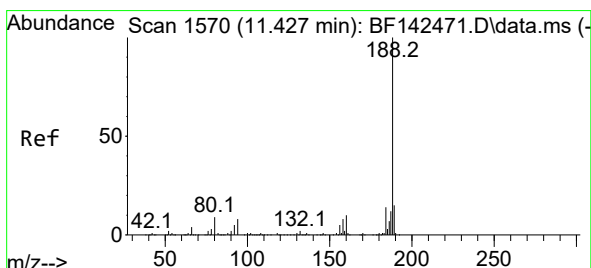
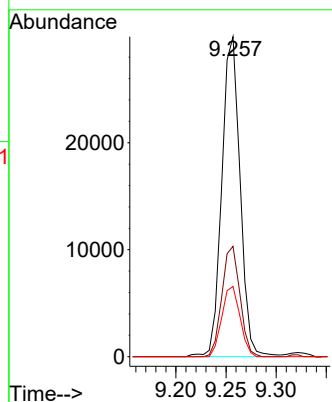
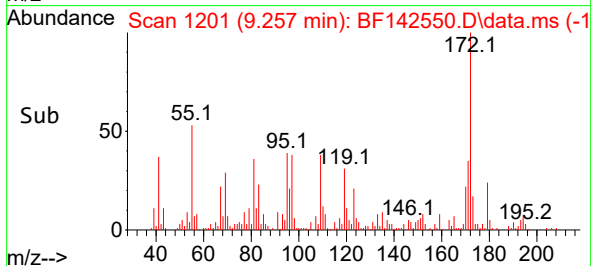
Tgt Ion:172 Resp: 37839
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 21.9 18.9 28.3

Manual Integrations

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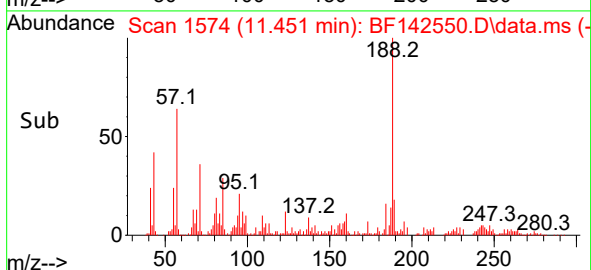
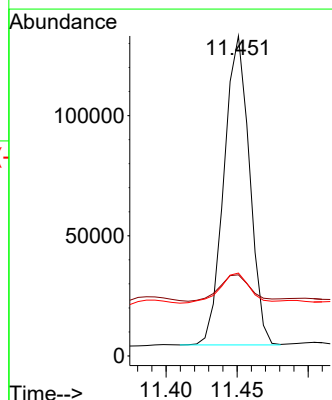
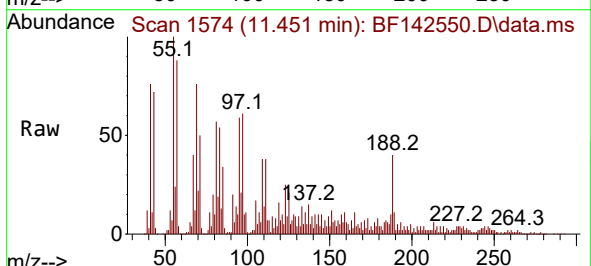
Reviewed By :Rahul Chavli 05/27/2025

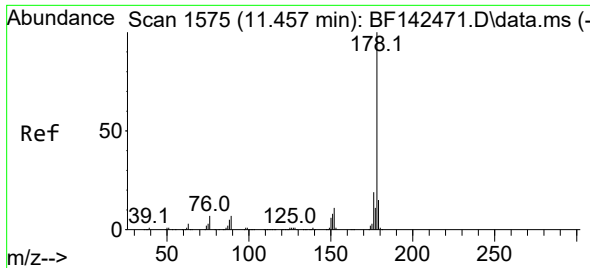
Supervised By :Jagrut Upadhyay 05/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

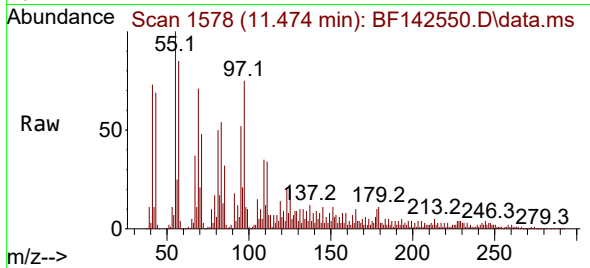
Tgt Ion:188 Resp: 160535
Ion Ratio Lower Upper
188 100
94 25.4 6.6 10.0#
80 25.9 7.4 11.0#





#71
Phenanthrene
Concen: 4.354 ng
RT: 11.474 min Scan# 1147
Delta R.T. 0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

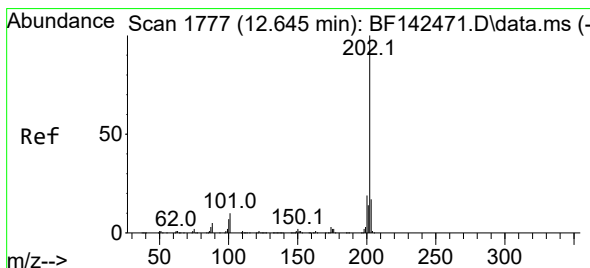
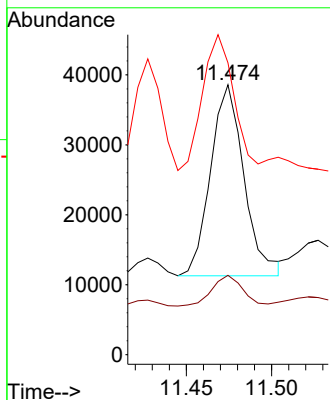
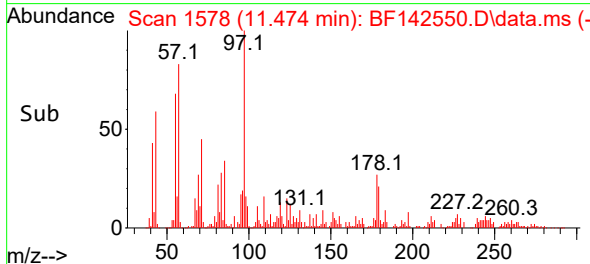
Instrument :
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LAW-25-0077



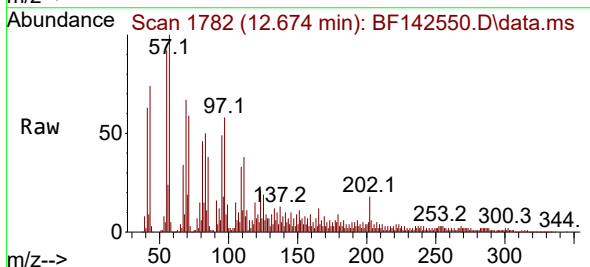
Tgt Ion:178 Resp: 3735
Ion Ratio Lower Upper
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176 29.4 15.4 23.0
179 108.1 12.3 18.5

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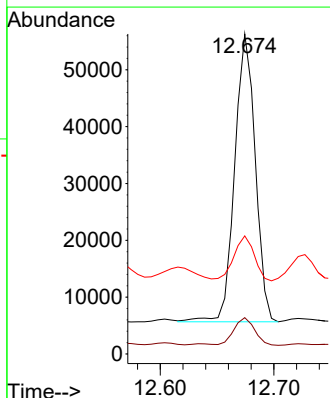
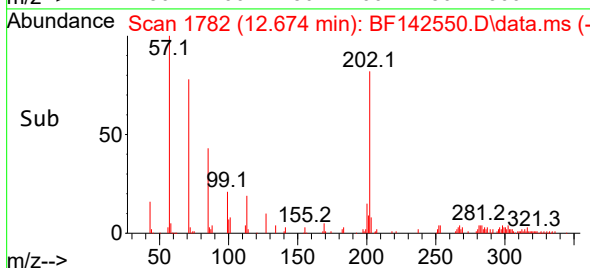
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

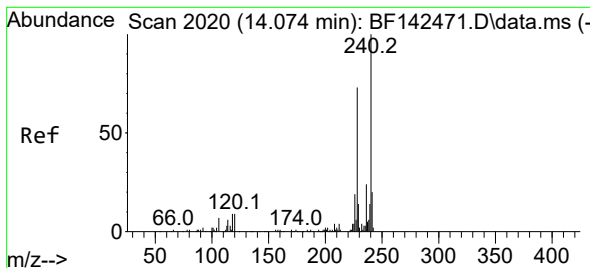


#75
Fluoranthene
Concen: 7.941 ng
RT: 12.674 min Scan# 1782
Delta R.T. 0.029 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21



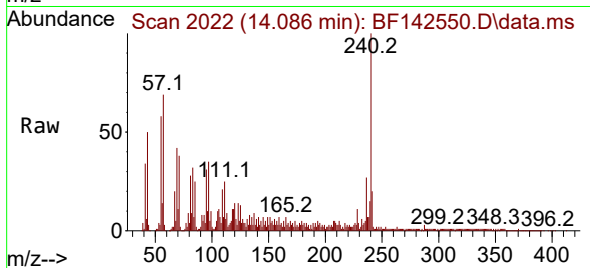
Tgt Ion:202 Resp: 63655
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.6
203 36.9 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

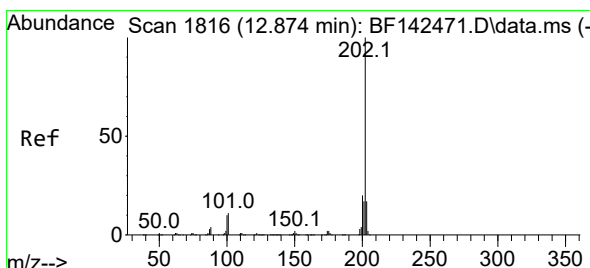
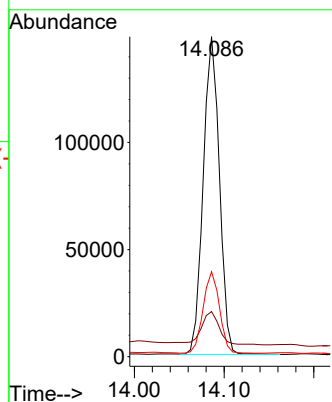
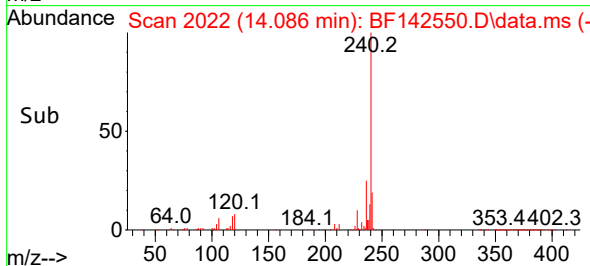
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077



Tgt Ion:240 Resp: 18599
Ion Ratio Lower Upper
240 100
120 14.1 7.5 11.3
236 26.6 19.6 29.4

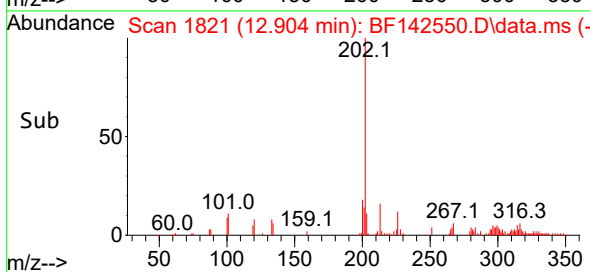
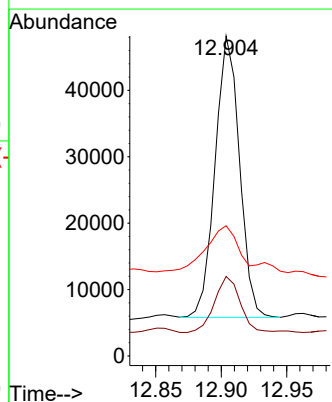
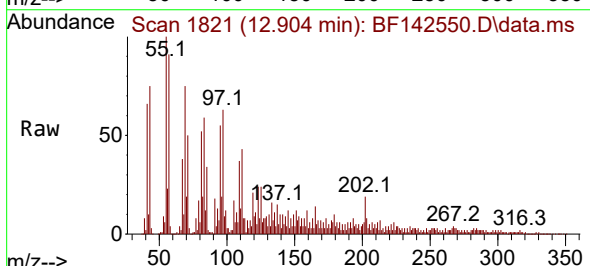
Manual Integrations
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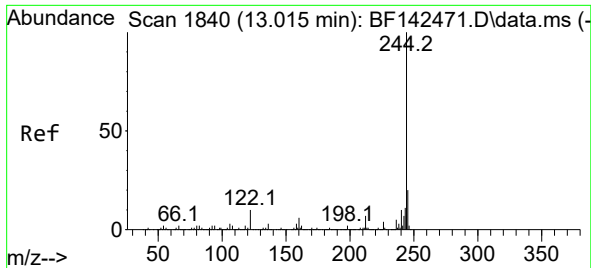
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#78
Pyrene
Concen: 3.152 ng
RT: 12.904 min Scan# 1821
Delta R.T. 0.029 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

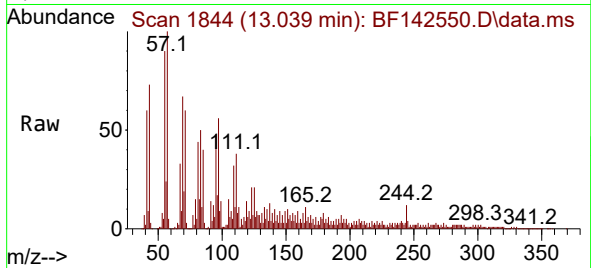
Tgt Ion:202 Resp: 54686
Ion Ratio Lower Upper
202 100
200 24.9 16.1 24.1#
203 40.7 13.9 20.9#





#79
Terphenyl-d14
Concen: 3.034 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.024 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

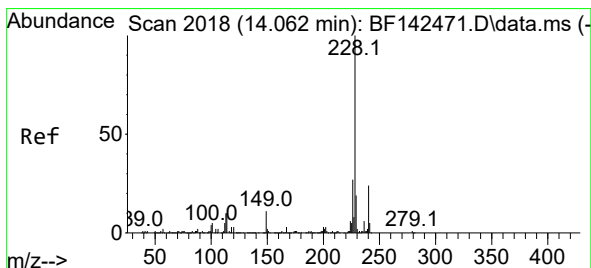
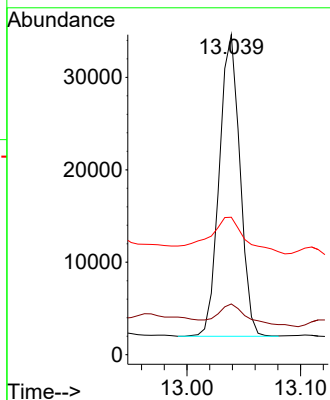
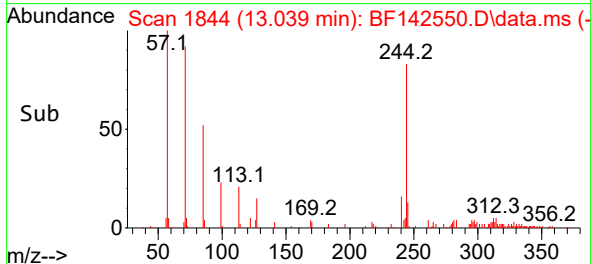
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077



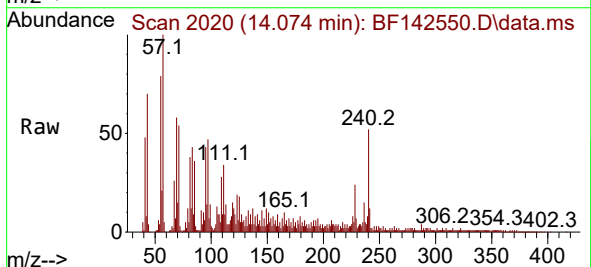
Tgt Ion:244 Resp: 41299
Ion Ratio Lower Upper
244 100
212 15.8 5.3 7.9
122 43.0 8.2 12.2

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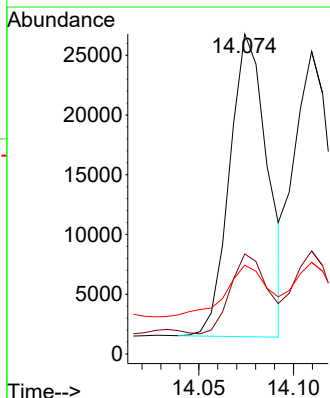
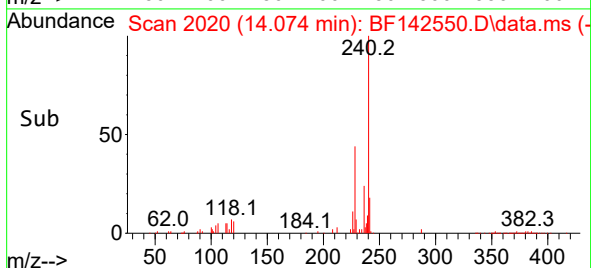
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

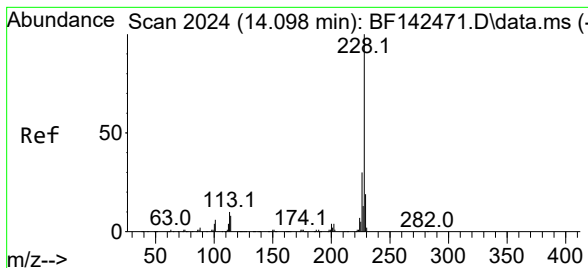


#81
Benzo(a)anthracene
Concen: 2.837 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21



Tgt Ion:228 Resp: 35237
Ion Ratio Lower Upper
228 100
226 31.2 21.2 31.8
229 27.7 15.5 23.3





#83

Chrysene

Concen: 2.916 ng

RT: 14.110 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077

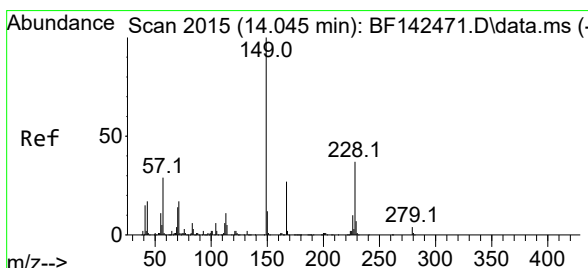
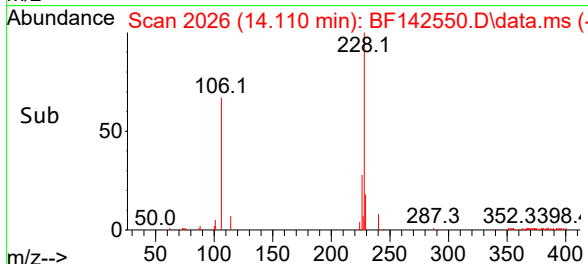
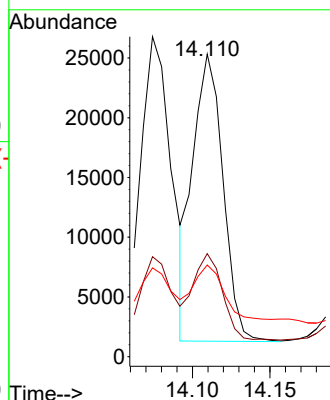
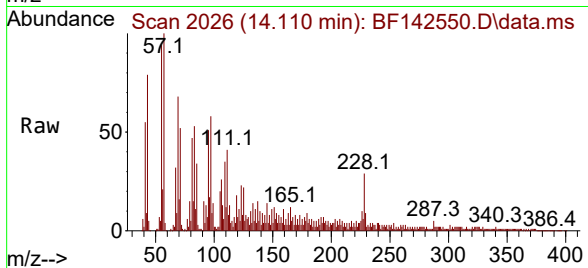
Tgt Ion:228 Resp: 3253
 Ion Ratio Lower Upper
 228 100
 226 34.1 23.8 35.6
 229 30.3 15.4 23.2

Manual Integrations

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Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.969 ng

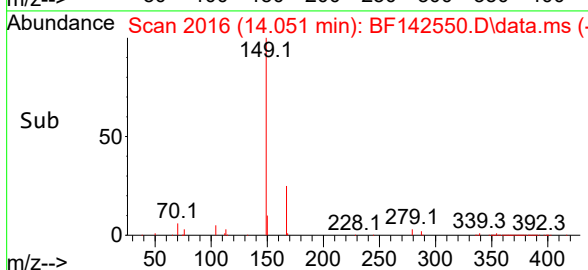
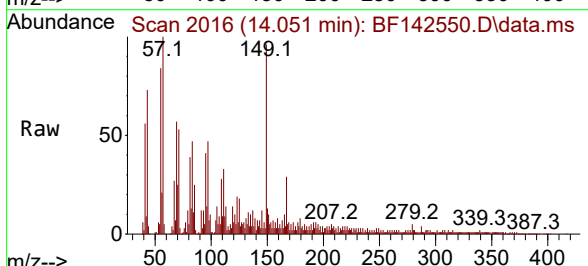
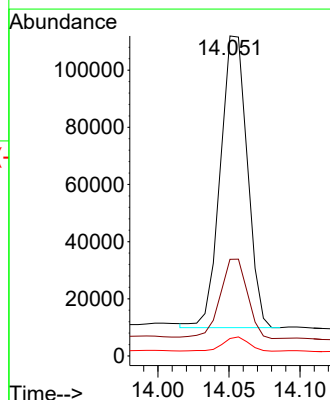
RT: 14.051 min Scan# 2016

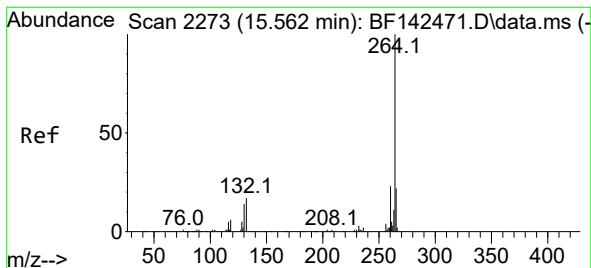
Delta R.T. -0.000 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

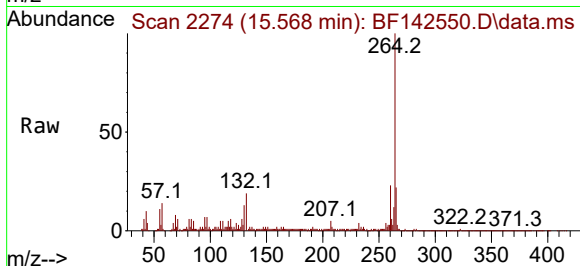
Tgt Ion:149 Resp: 134829
 Ion Ratio Lower Upper
 149 100
 167 30.2 21.5 32.3
 279 5.5 3.2 4.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

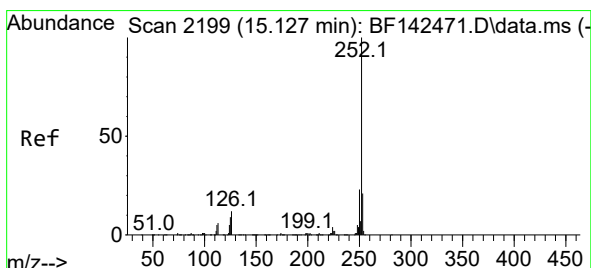
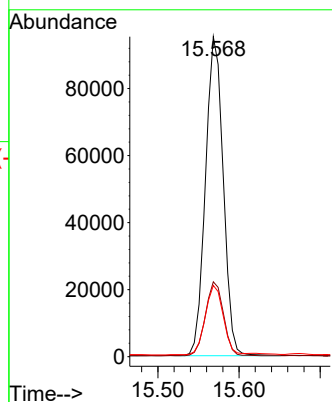
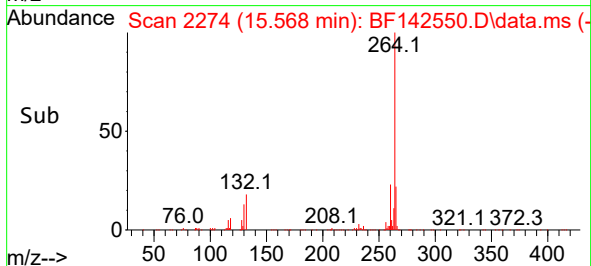
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077



Tgt Ion:264 Resp: 14453
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.3 17.7 26.5

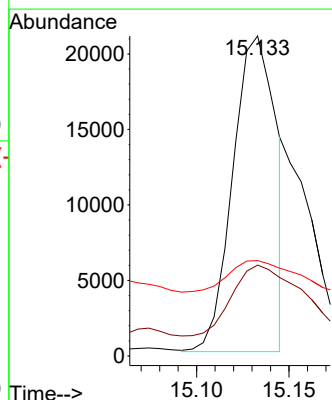
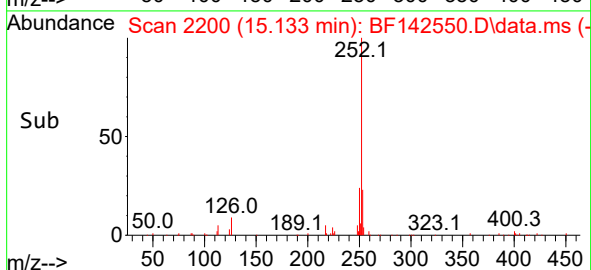
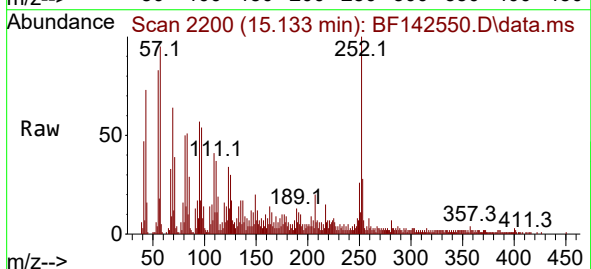
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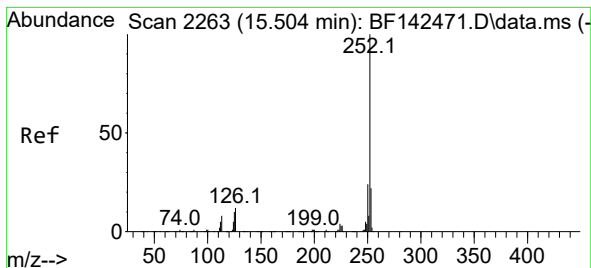
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025



#88
Benzo(b)fluoranthene
Concen: 3.989 ng m
RT: 15.133 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

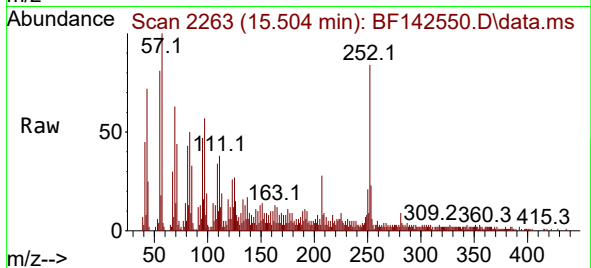
Tgt Ion:252 Resp: 34119
Ion Ratio Lower Upper
252 100
253 28.4 17.0 25.4#
125 29.8 7.4 11.0#





#90
Benzo(a)pyrene
Concen: 2.210 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Instrument :
BNA_F
ClientSampleId :
LAW-25-0077



Tgt Ion:252 Resp: 1781
Ion Ratio Lower Upper
252 100
253 27.8 17.4 26.0
125 32.8 7.9 11.9

Manual Integrations
APPROVED

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

