

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142876.D
 Acq On : 26 Jun 2025 19:04
 Operator : RC/JU
 Sample : Q2403-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS 20-0006

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

Quant Time: Jun 27 01:39:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	87034	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	322132	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	159759	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	225267	20.000	ng	0.00
76) Chrysene-d12	14.051	240	161696	20.000	ng	0.00
86) Perylene-d12	15.545	264	155481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	360799	69.019	ng	0.00
7) Phenol-d6	6.504	99	453142	73.473	ng	0.00
23) Nitrobenzene-d5	7.434	82	271514	46.232	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	95762	58.248	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	606664	49.885	ng	-0.01
79) Terphenyl-d14	12.992	244	432893	36.991	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.887	122	9865m	3.859	ng	
71) Phenanthrene	11.428	178	80243	6.576	ng	99
75) Fluoranthene	12.622	202	195804	16.907	ng	99
78) Pyrene	12.851	202	204903	13.519	ng	99
81) Benzo(a)anthracene	14.039	228	97765	8.963	ng	95
83) Chrysene	14.075	228	119494	12.277	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	35528	3.000	ng	93
88) Benzo(b)fluoranthene	15.104	252	165284m	18.371	ng	
89) Benzo(k)fluoranthene	15.121	252	51138m	6.075	ng	
90) Benzo(a)pyrene	15.474	252	68279	7.856	ng	97
92) Benzo(g,h,i)perylene	17.498	276	32015	3.337	ng	99

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

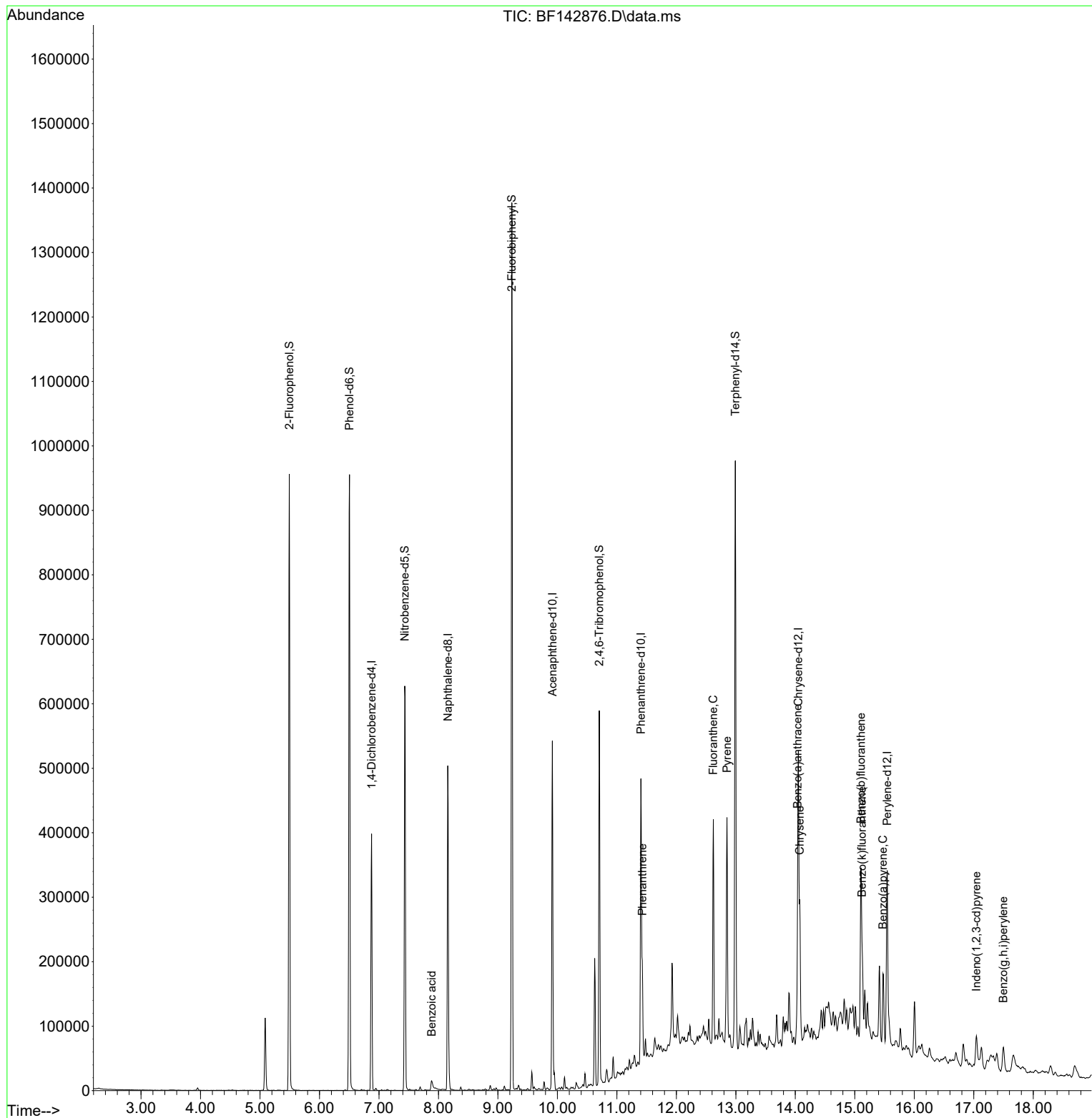
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
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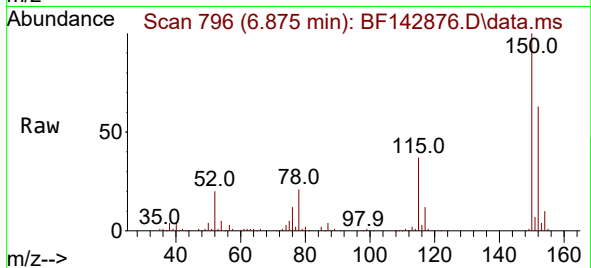
Quant Time: Jun 27 01:39:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

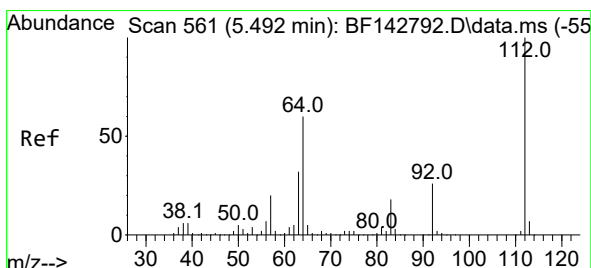
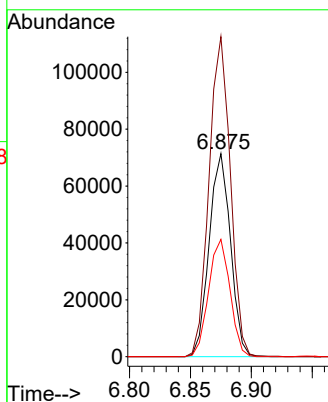
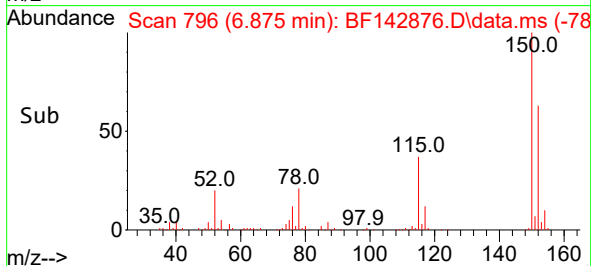
Instrument :
BNA_F
ClientSampleId :
ARS 20-0006



Tgt Ion:152 Resp: 87034
Ion Ratio Lower Upper
152 100
150 157.6 127.2 190.8
115 57.8 46.6 69.8

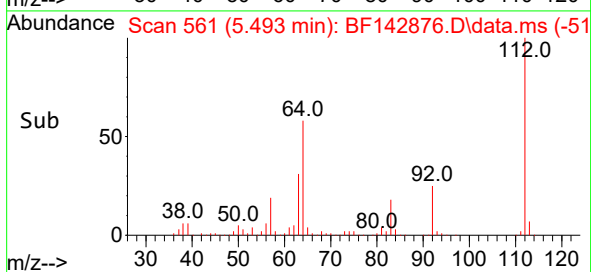
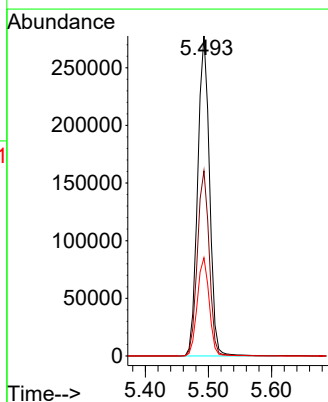
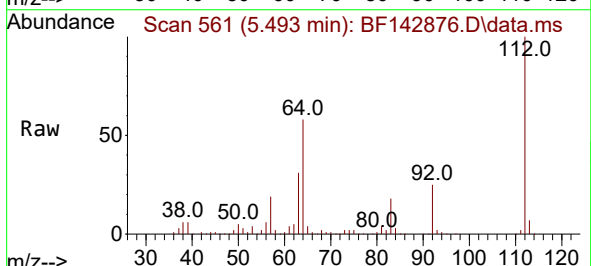
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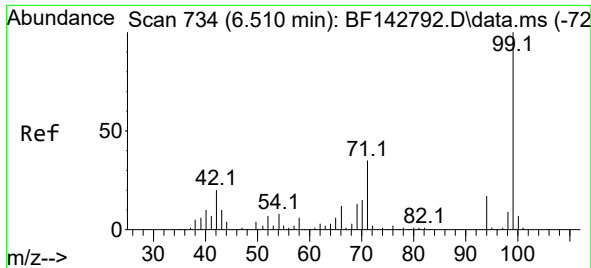
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#5
2-Fluorophenol
Concen: 69.019 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

Tgt Ion:112 Resp: 360799
Ion Ratio Lower Upper
112 100
64 57.9 48.2 72.2
63 30.7 25.7 38.5





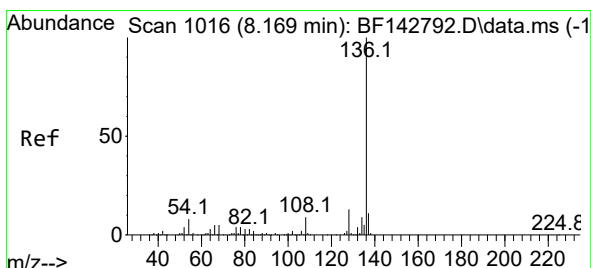
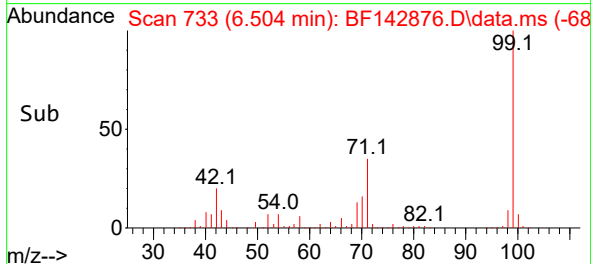
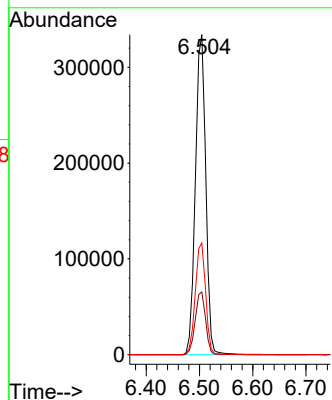
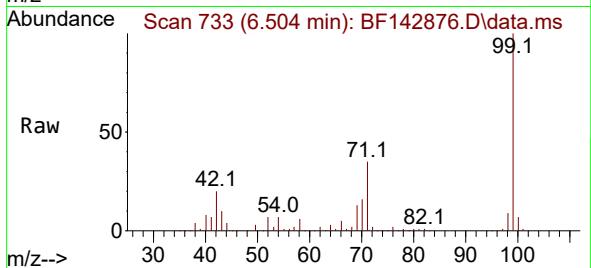
#7
Phenol-d6
Concen: 73.473 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

Instrument :
BNA_F
ClientSampleId :
ARS 20-0006

Tgt Ion: 99 Resp: 45314
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 34.9 27.8 41.8

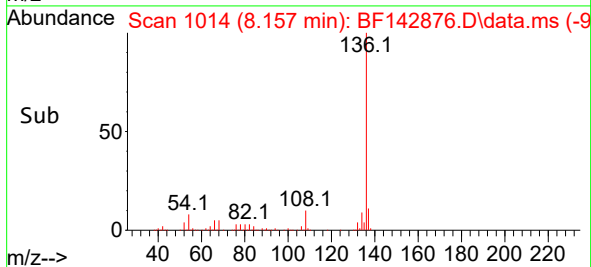
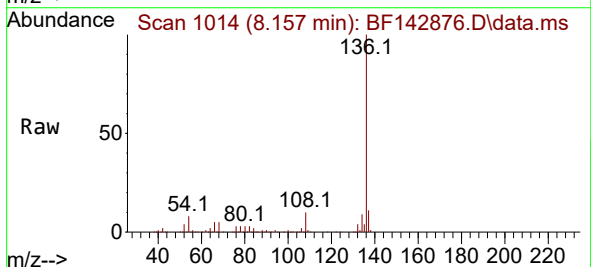
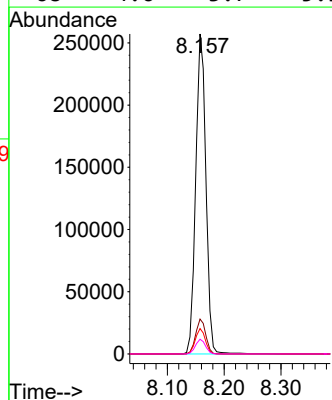
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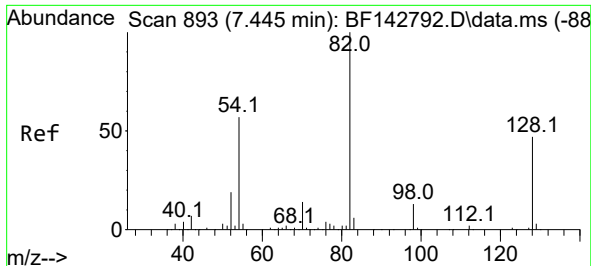
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

Tgt Ion:136 Resp: 322132
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 46.232 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF142876.D

Acq: 26 Jun 2025 19:04

Instrument :

BNA_F

ClientSampleId :

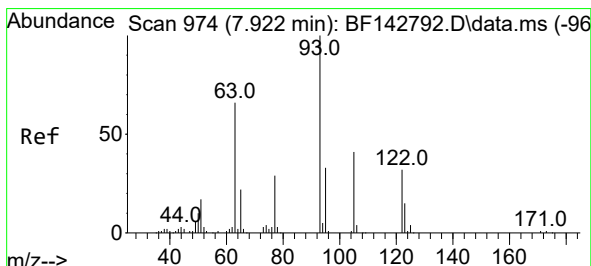
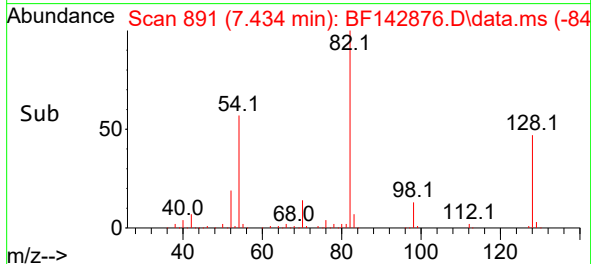
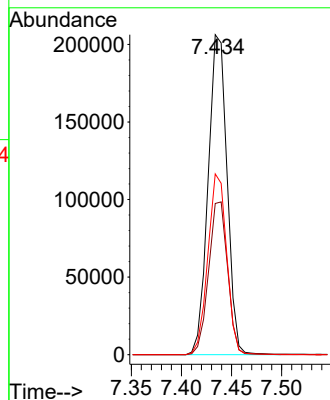
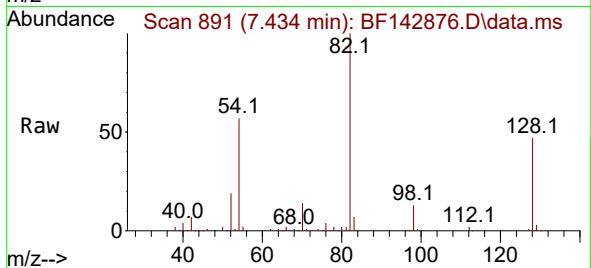
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Tgt Ion: 82 Resp: 271514
 Ion Ratio Lower Upper
 82 100
 128 47.2 37.7 56.5
 54 56.5 45.7 68.5

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#32

Benzoic acid

Concen: 3.859 ng m

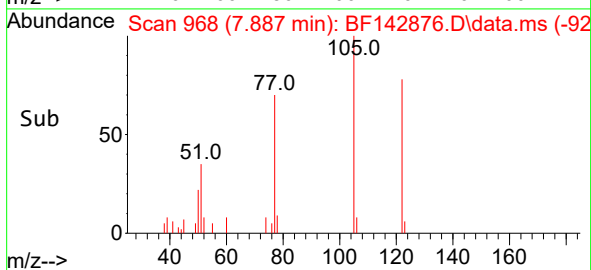
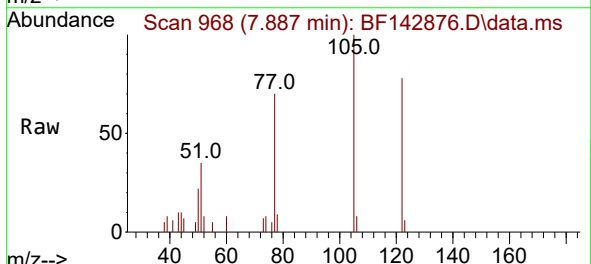
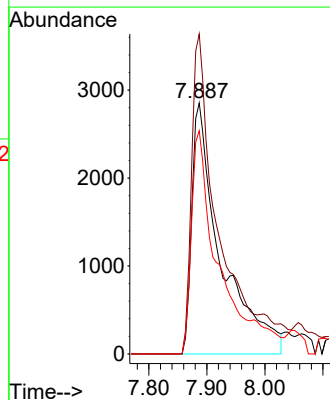
RT: 7.887 min Scan# 968

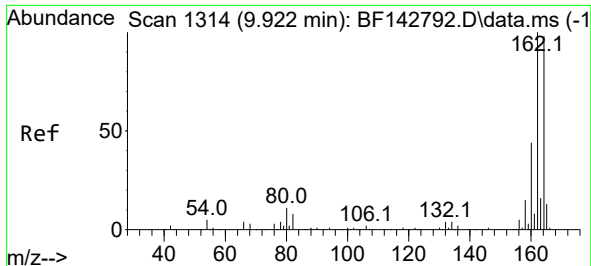
Delta R.T. -0.035 min

Lab File: BF142876.D

Acq: 26 Jun 2025 19:04

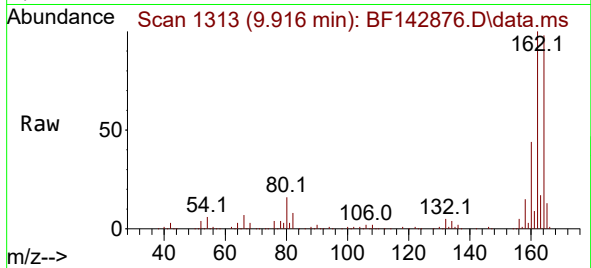
Tgt Ion:122 Resp: 9865
 Ion Ratio Lower Upper
 122 100
 105 127.5 104.7 144.7
 77 88.9 70.2 110.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

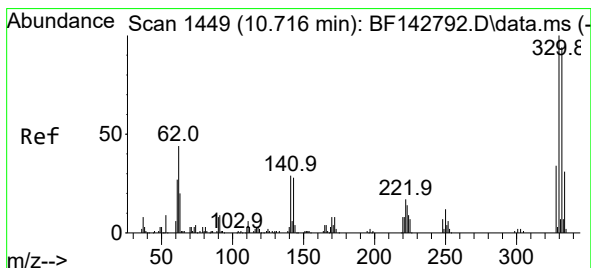
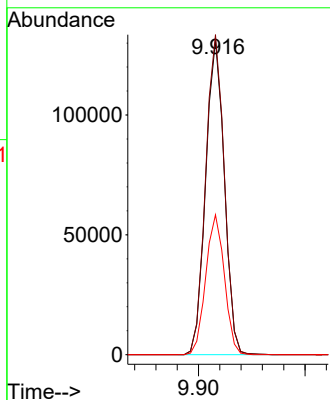
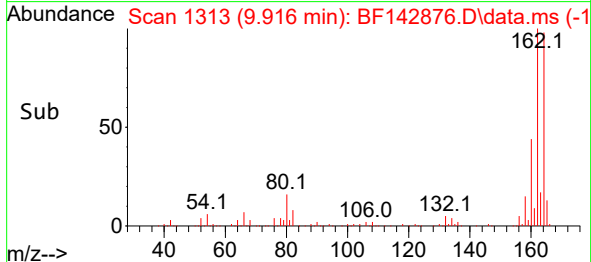
Instrument :
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ClientSampleId :
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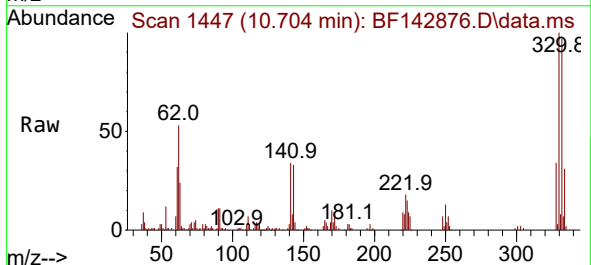
Tgt Ion:164 Resp: 159759
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.8
160 44.5 36.0 54.0

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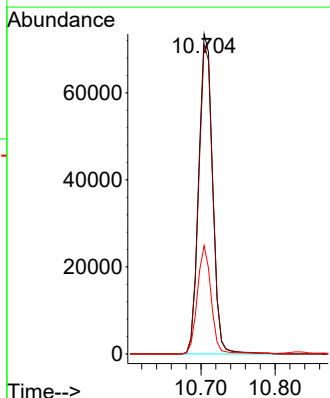
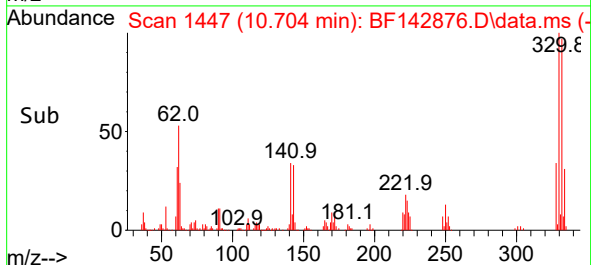
Reviewed By :Rahul Chavli 06/27/2025
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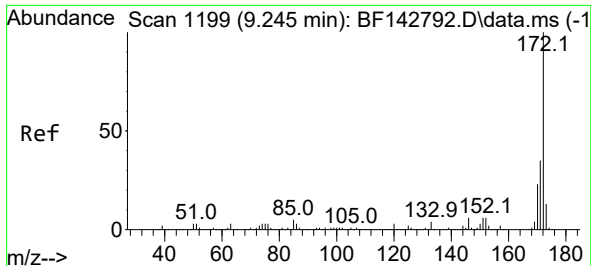


#42
2,4,6-Tribromophenol
Concen: 58.248 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04



Tgt Ion:330 Resp: 95762
Ion Ratio Lower Upper
330 100
332 97.5 75.0 112.6
141 33.6 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 49.885 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142876.D

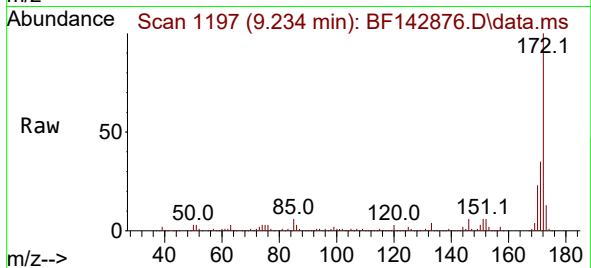
Acq: 26 Jun 2025 19:04

Instrument :

BNA_F

ClientSampleId :

ARS 20-0006



Tgt Ion:172 Resp: 606664

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

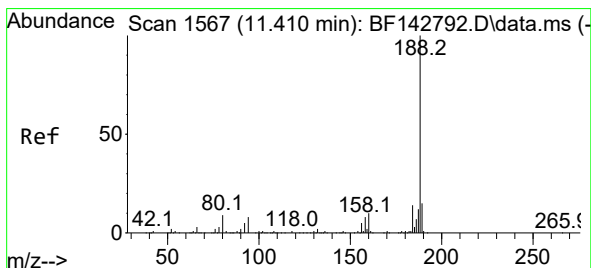
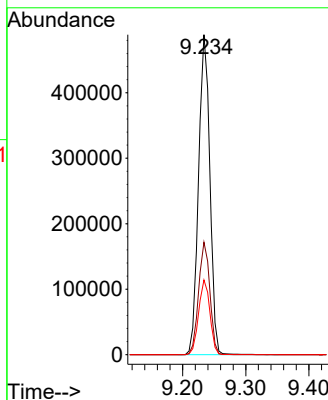
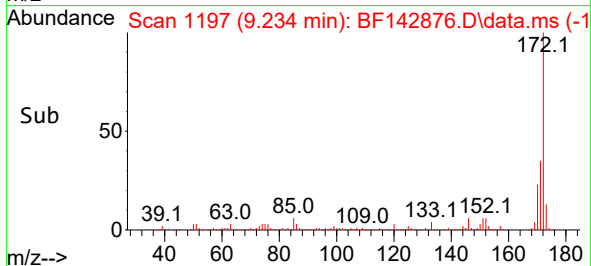
170 23.4 18.5 27.7

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142876.D

Acq: 26 Jun 2025 19:04

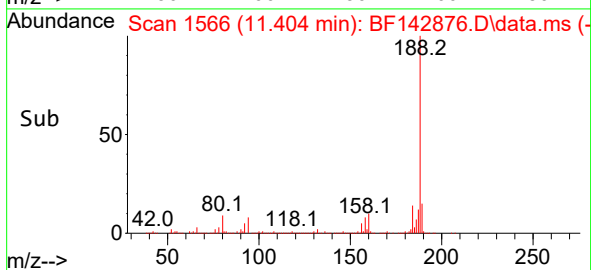
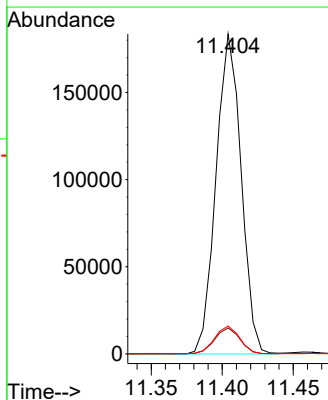
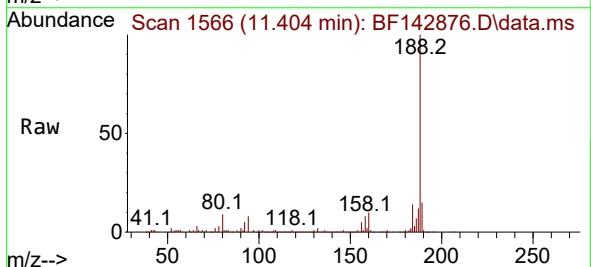
Tgt Ion:188 Resp: 225267

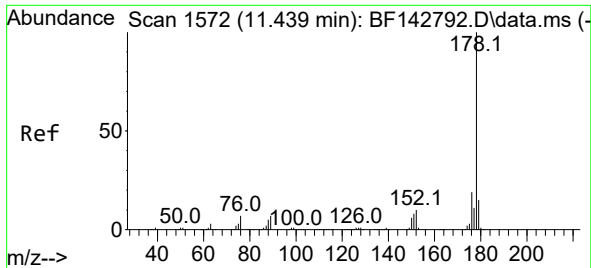
Ion Ratio Lower Upper

188 100

94 8.1 6.7 10.1

80 8.7 6.9 10.3





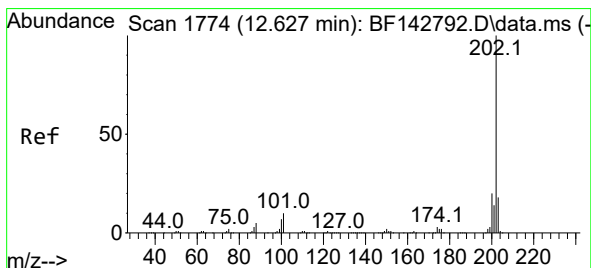
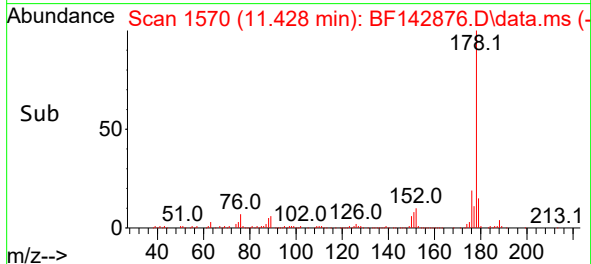
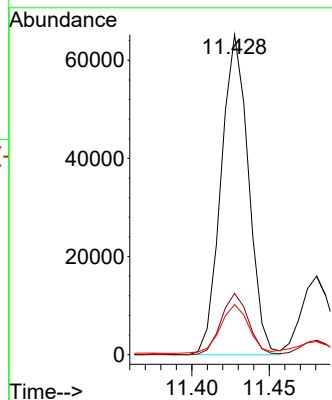
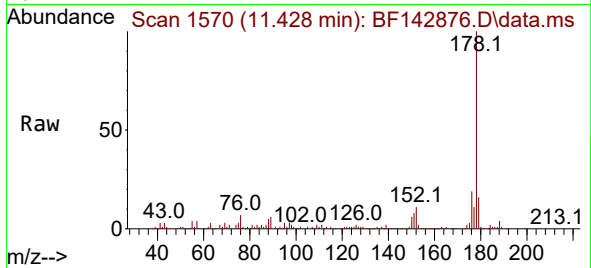
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Phenanthrene
Concen: 6.576 ng
RT: 11.428 min Scan# 11428
Delta R.T. -0.012 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

Instrument :
BNA_F
ClientSampleId :
ARS 20-0006

Tgt Ion:178 Resp: 8024
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.7 12.0 18.0

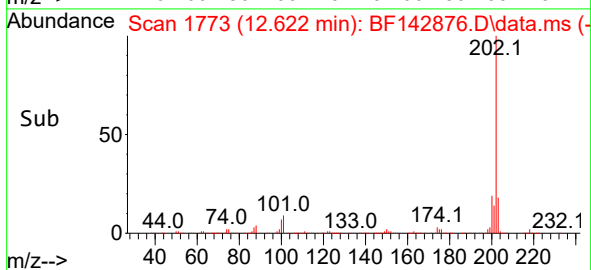
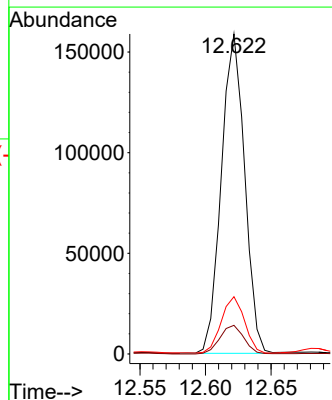
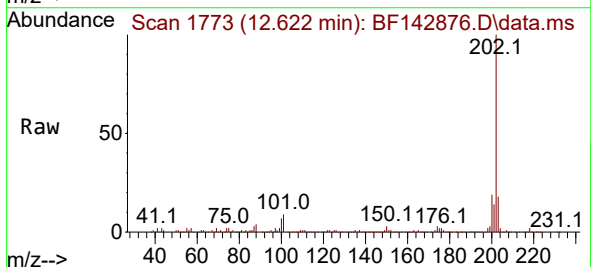
Manual Integrations
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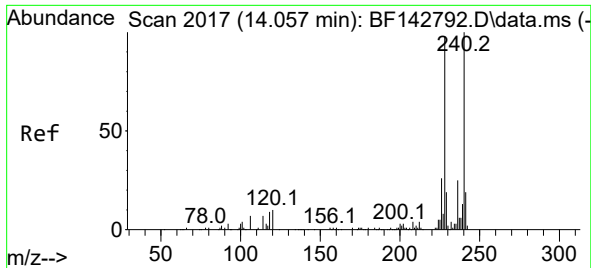
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#75
Fluoranthene
Concen: 16.907 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

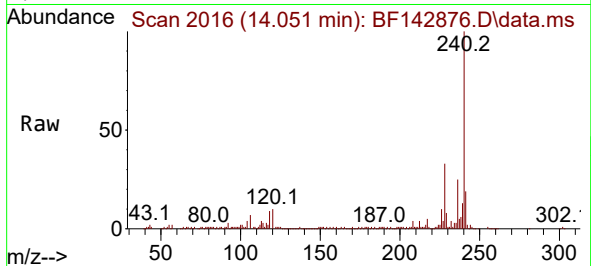
Tgt Ion:202 Resp: 195804
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.7
203 17.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

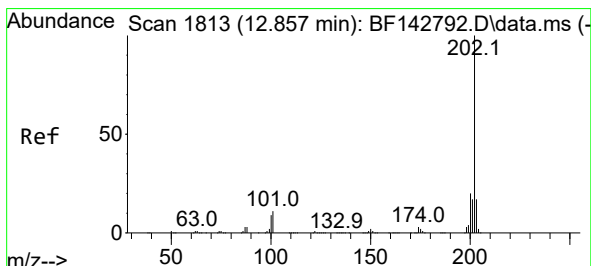
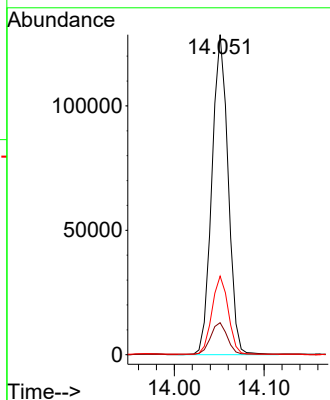
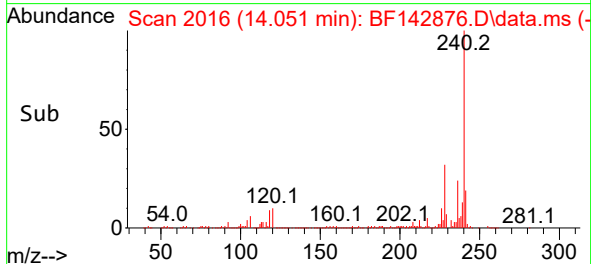
Instrument :
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ARS 20-0006



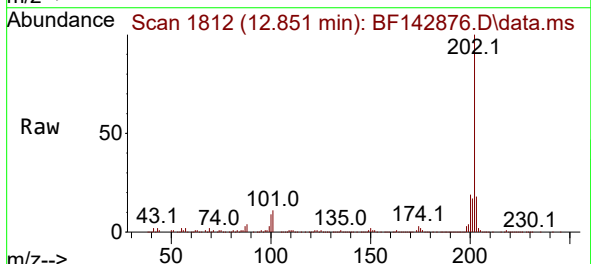
Tgt Ion:240 Resp: 161690
Ion Ratio Lower Upper
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120 10.0 8.2 12.2
236 24.5 19.8 29.8

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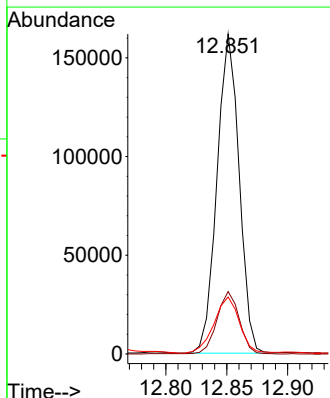
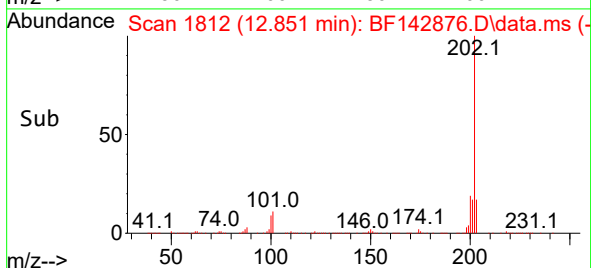
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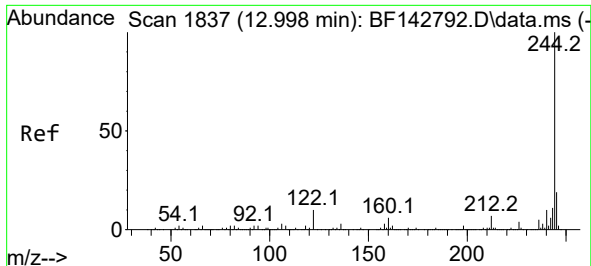


#78
Pyrene
Concen: 13.519 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04



Tgt Ion:202 Resp: 204903
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 17.8 13.8 20.6





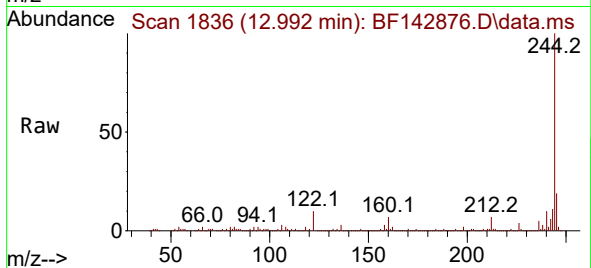
#79
 Terphenyl-d14
 Concen: 36.991 ng
 RT: 12.992 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF142876.D
 Acq: 26 Jun 2025 19:04

Instrument :

BNA_F

ClientSampleId :

ARS 20-0006



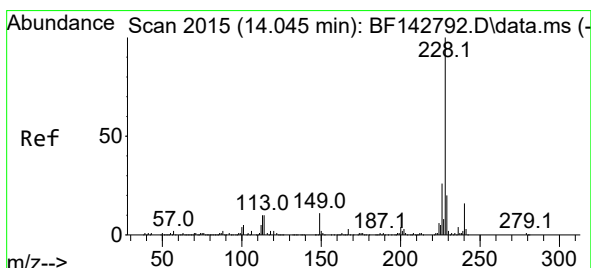
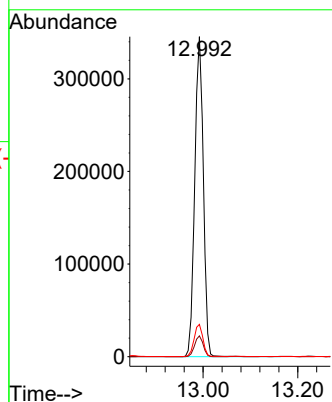
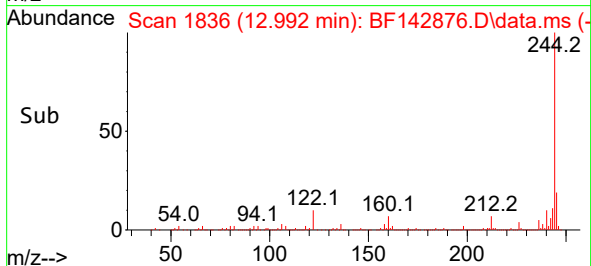
Tgt Ion:244 Resp: 43289
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.1 8.2 12.2

Manual Integrations

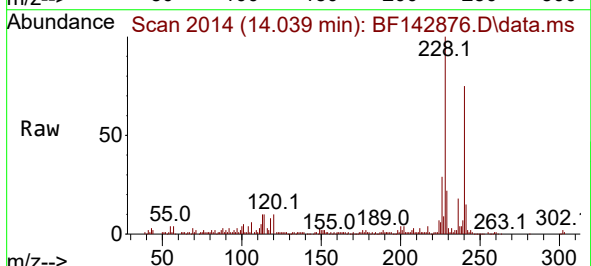
APPROVED

Reviewed By :Rahul Chavli 06/27/2025

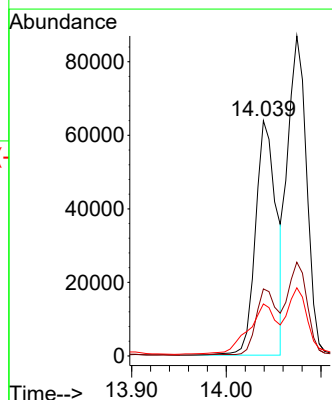
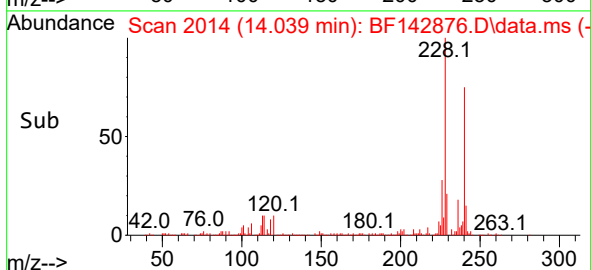
Supervised By :Jagrut Upadhyay 06/27/2025

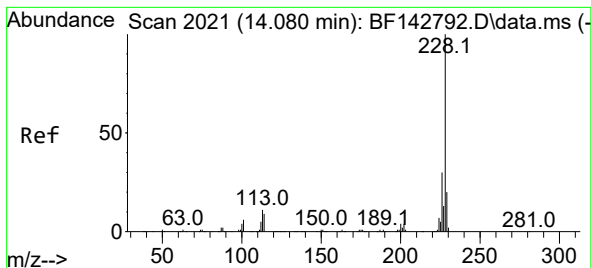


#81
 Benzo(a)anthracene
 Concen: 8.963 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF142876.D
 Acq: 26 Jun 2025 19:04



Tgt Ion:228 Resp: 97765
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.2 31.8
 229 22.1 15.6 23.4





#83

Chrysene

Concen: 12.277 ng

RT: 14.075 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142876.D

Acq: 26 Jun 2025 19:04

Instrument :

BNA_F

ClientSampleId :

ARS 20-0006

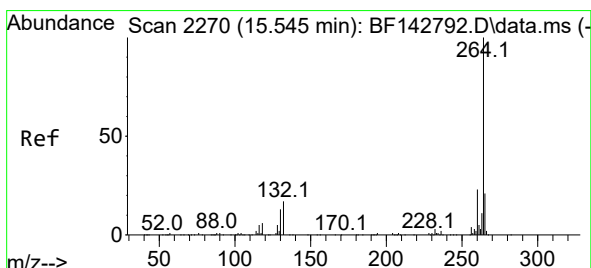
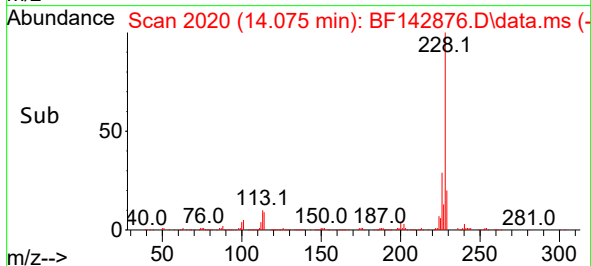
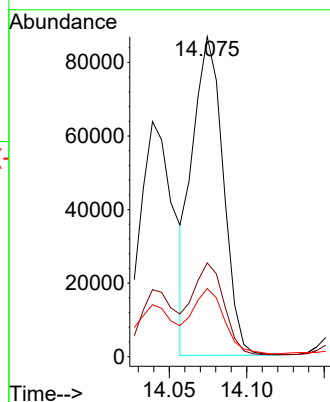
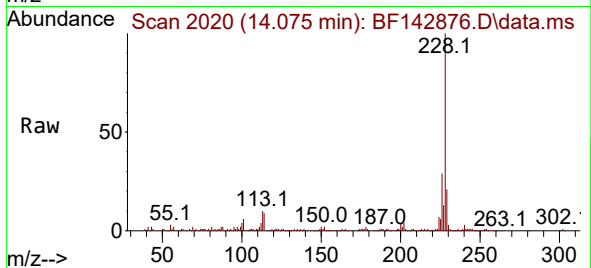
Tgt Ion:	228	Resp:	11949
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.7	35.5
229	21.3	15.7	23.5

Manual Integrations

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Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#86

Perylene-d12

Concen: 20.000 ng

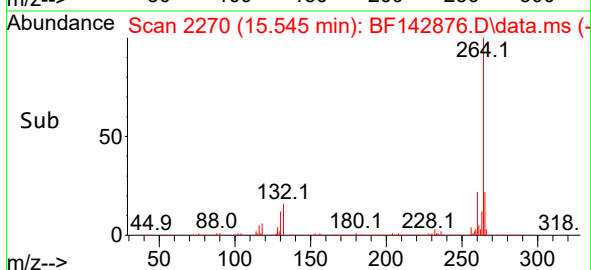
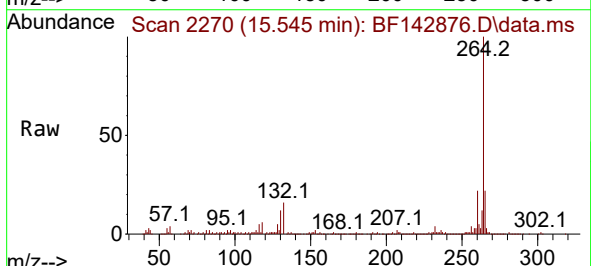
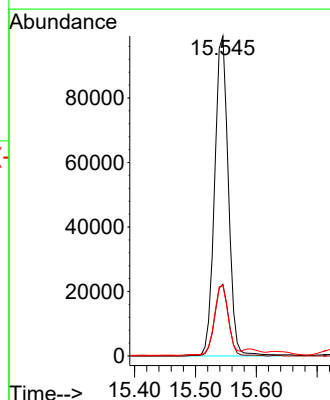
RT: 15.545 min Scan# 2270

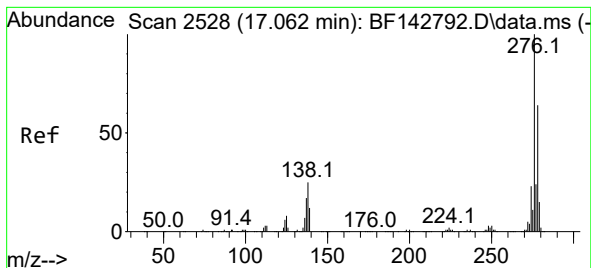
Delta R.T. 0.000 min

Lab File: BF142876.D

Acq: 26 Jun 2025 19:04

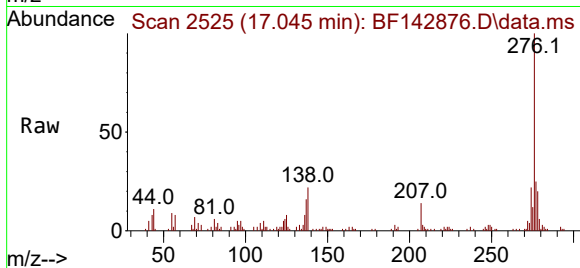
Tgt Ion:	264	Resp:	155481
Ion Ratio	Lower	Upper	
264	100		
260	22.4	18.1	27.1
265	22.1	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.000 ng
RT: 17.045 min Scan# 2195
Delta R.T. -0.017 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

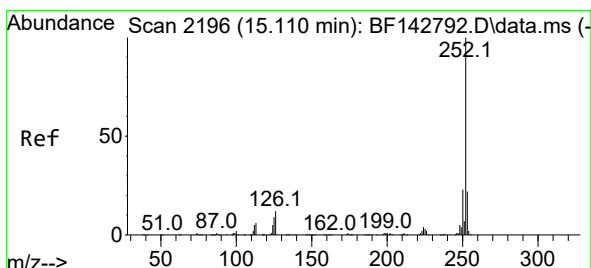
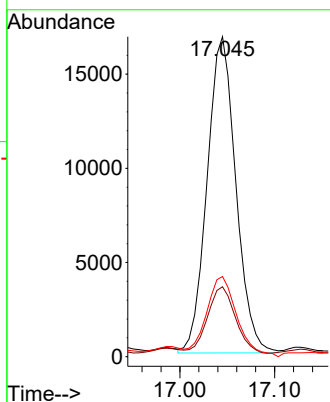
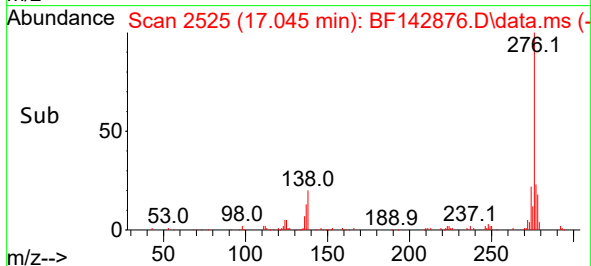
Instrument :
BNA_F
ClientSampleId :
ARS 20-0006



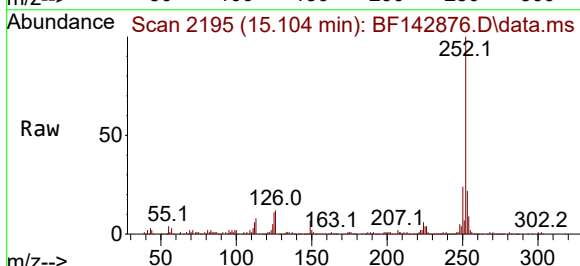
Tgt Ion: 276 Resp: 35528
Ion Ratio Lower Upper
276 100
138 20.3 20.2 30.4
277 27.0 19.8 29.6

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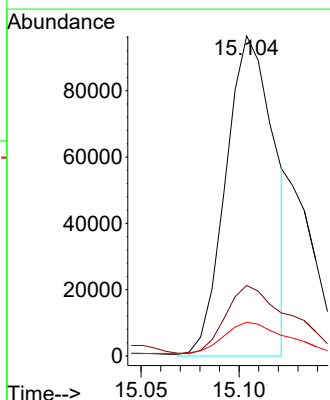
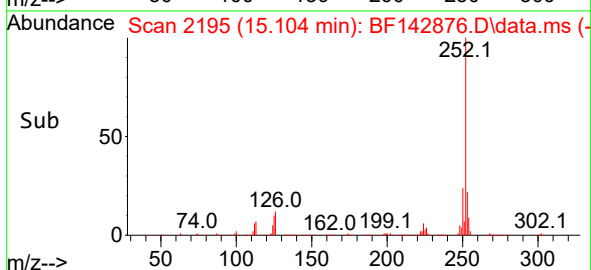
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

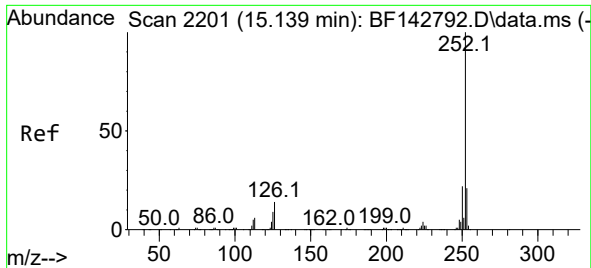


#88
Benzo(b)fluoranthene
Concen: 18.371 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04



Tgt Ion: 252 Resp: 165284
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 10.5 7.4 11.0





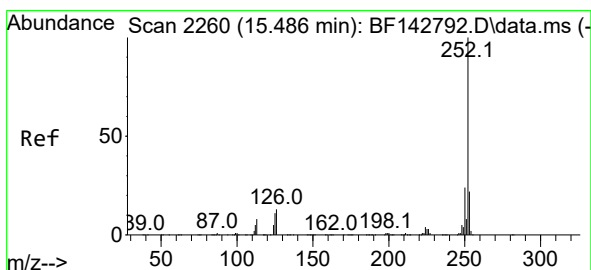
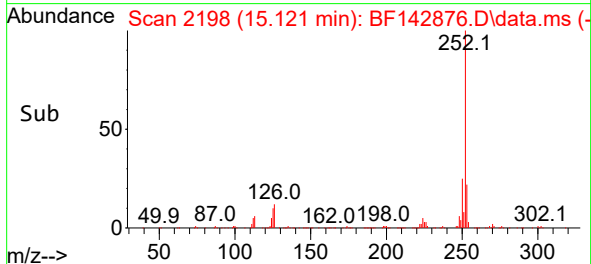
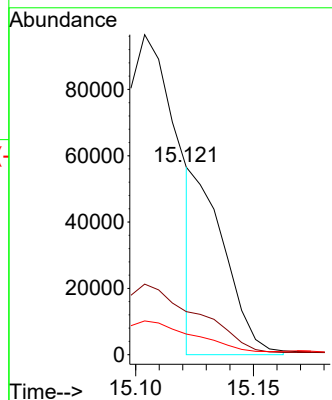
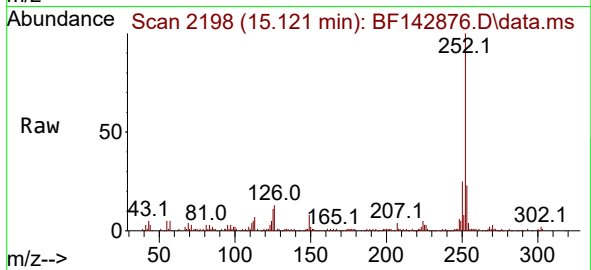
#89
Benzo(k)fluoranthene
Concen: 6.075 ng m
RT: 15.121 min Scan# 2118
Delta R.T. -0.017 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

Instrument :
BNA_F
ClientSampleId :
ARS 20-0006

Tgt Ion:252 Resp: 51138
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 11.0 7.4 11.2

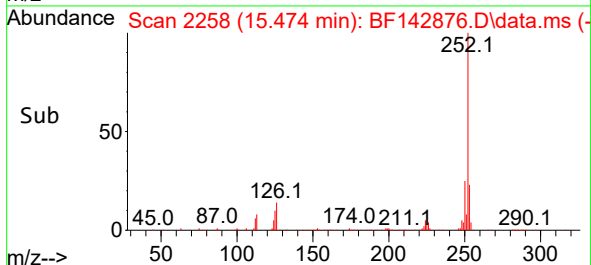
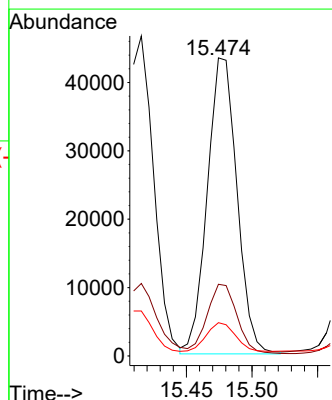
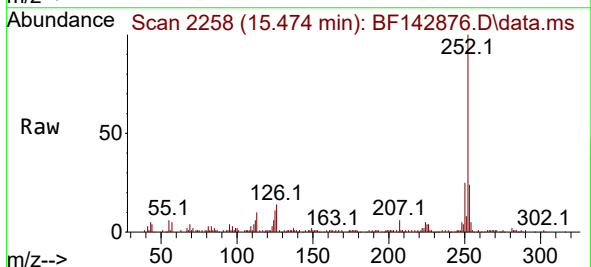
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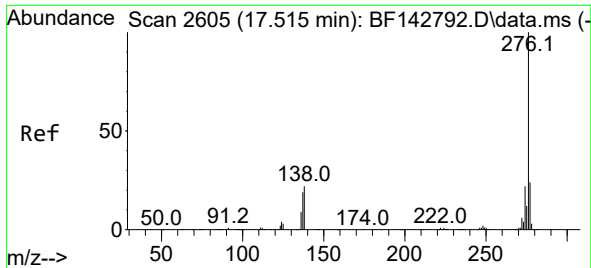
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#90
Benzo(a)pyrene
Concen: 7.856 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

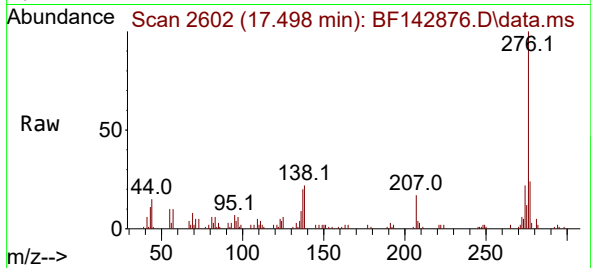
Tgt Ion:252 Resp: 68279
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 11.2 8.6 12.8





#92
Benzo(g,h,i)perylene
Concen: 3.337 ng
RT: 17.498 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF142876.D
Acq: 26 Jun 2025 19:04

Instrument :
BNA_F
ClientSampleId :
ARS 20-0006



Tgt Ion:276 Resp: 32015
Ion Ratio Lower Upper
276 100
277 24.1 18.8 28.2
138 22.1 17.6 26.4

Manual Integrations
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Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

