

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142746.D
 Acq On : 11 Jun 2025 20:47
 Operator : RC/JU
 Sample : Q2280-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Manual Integrations
 APPROVED

Reviewed By :Anahy
 Claudio
 06/12/2025

Supervised By :Jagrut
 Upadhyay
 06/12/2025

Quant Time: Jun 12 01:49:02 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	52691	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	176407	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	86181	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	141000	20.000	ng	0.00
76) Chrysene-d12	14.063	240	141636	20.000	ng	0.00
86) Perylene-d12	15.562	264	161296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	226474	73.204	ng	0.00
7) Phenol-d6	6.516	99	254423	69.879	ng	0.00
23) Nitrobenzene-d5	7.451	82	160389	49.758	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	69571	73.657	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	359151	55.366	ng	0.00
79) Terphenyl-d14	13.004	244	371948	36.068	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	29118	3.855	ng	100
75) Fluoranthene	12.633	202	49173	6.846	ng	99
78) Pyrene	12.863	202	39224	2.980	ng	99
83) Chrysene	14.086	228	24772	2.859	ng	96
88) Benzo(b)fluoranthene	15.121	252	36283m	3.820	ng	
90) Benzo(a)pyrene	15.492	252	19562	2.166	ng	# 95

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

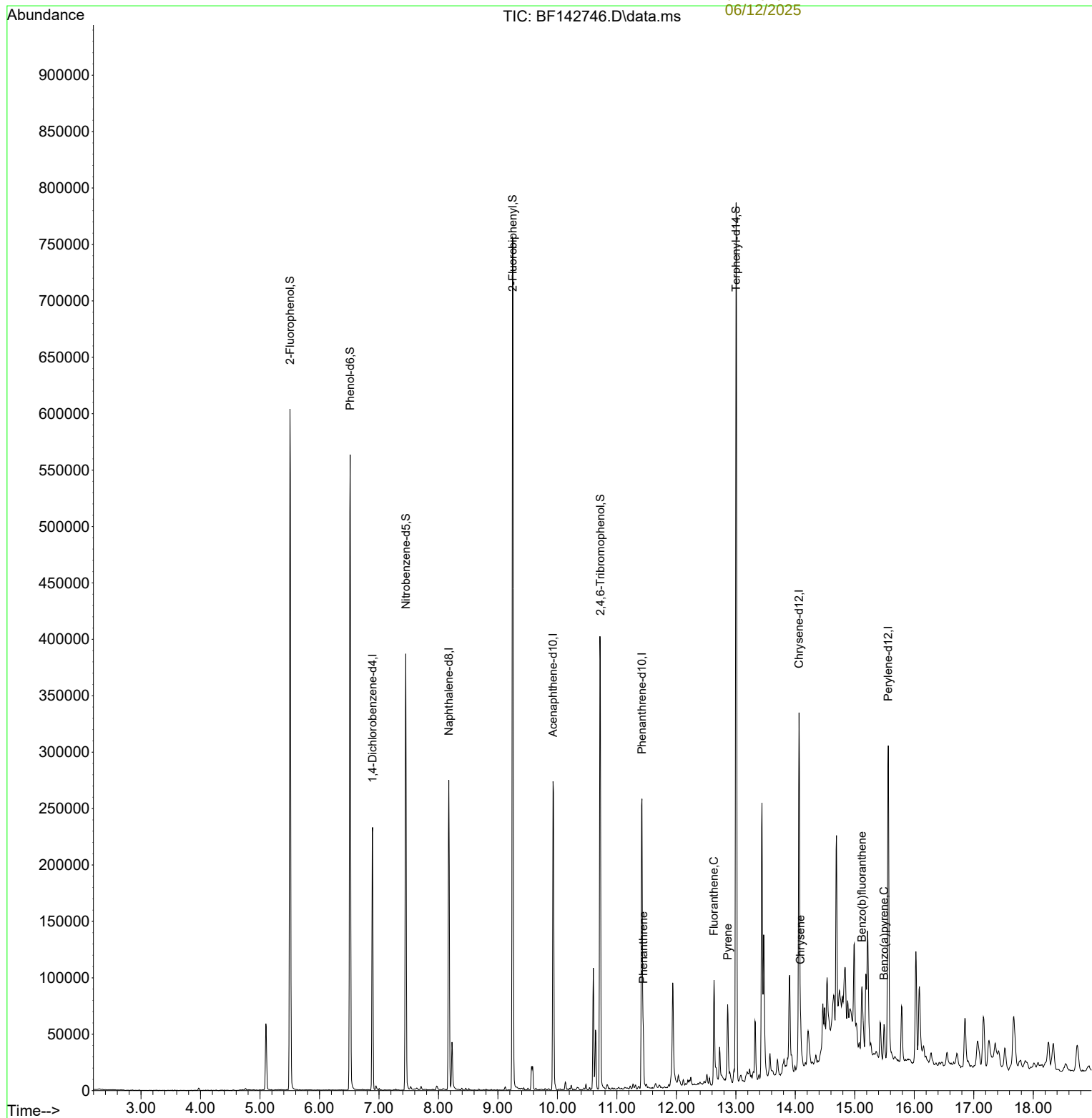
Reviewed By :Anahy
Claudio

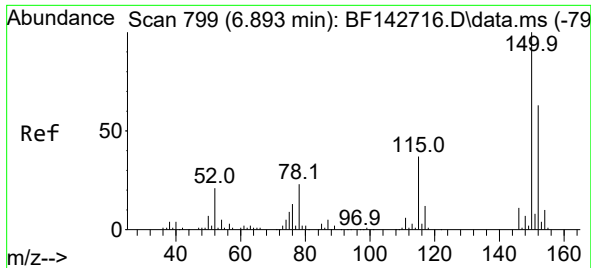
06/12/2025

Supervised By :Jagrut

Upadhyay

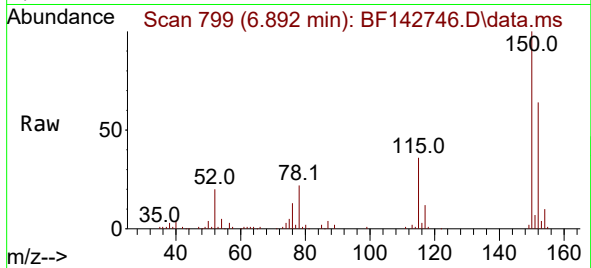
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :
VNJ-210

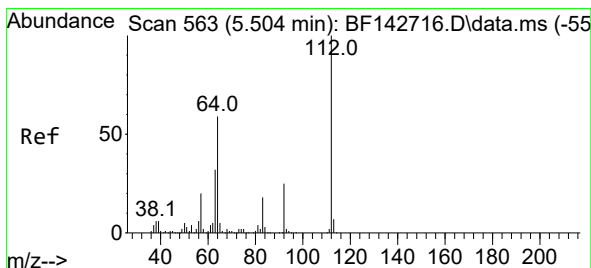
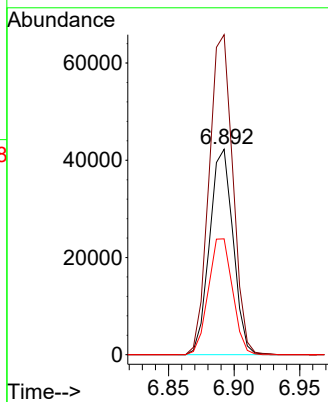
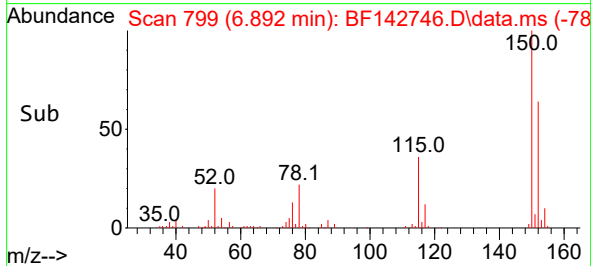


Tgt Ion:152 Resp: 5269
Ion Ratio Lower Upper
152 100
150 155.8 126.9 190.3
115 56.4 47.0 70.6

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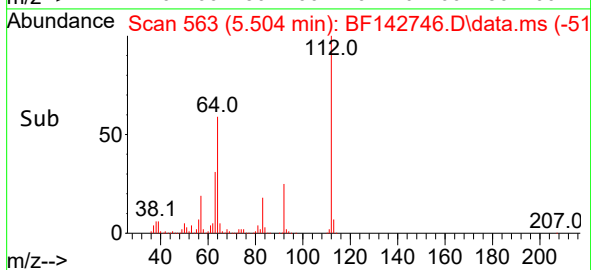
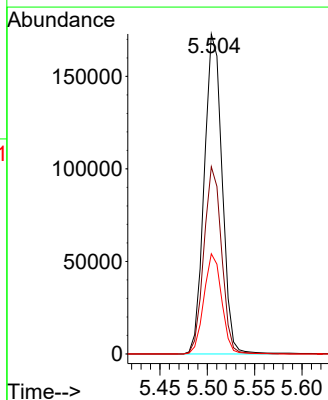
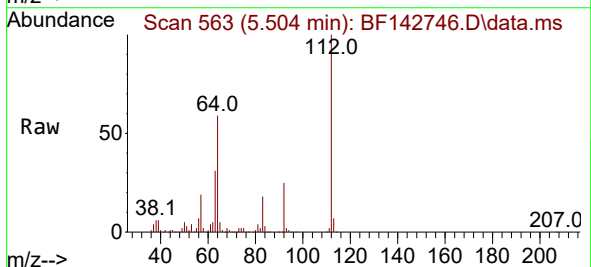
Reviewed By :Anahy
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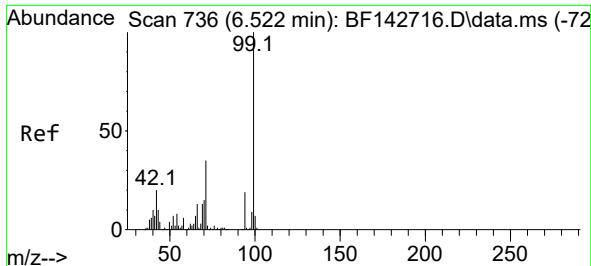
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#5
2-Fluorophenol
Concen: 73.204 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

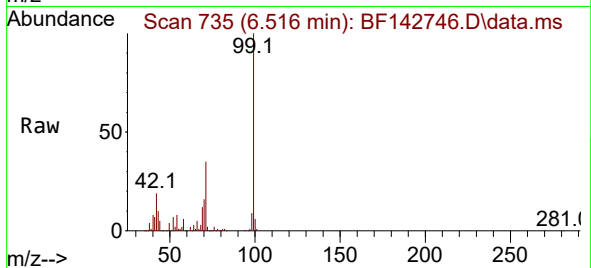
Tgt Ion:112 Resp: 226474
Ion Ratio Lower Upper
112 100
64 58.5 47.4 71.2
63 31.3 25.4 38.0





#7
Phenol-d6
Concen: 69.879 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :
VNJ-210

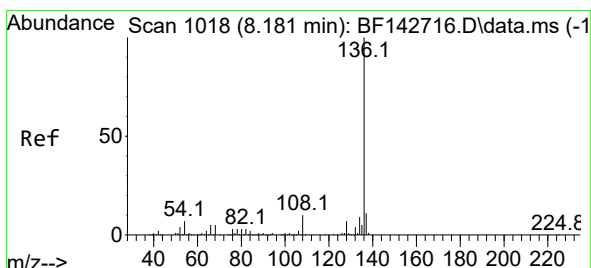
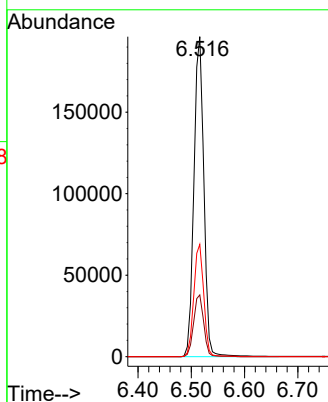
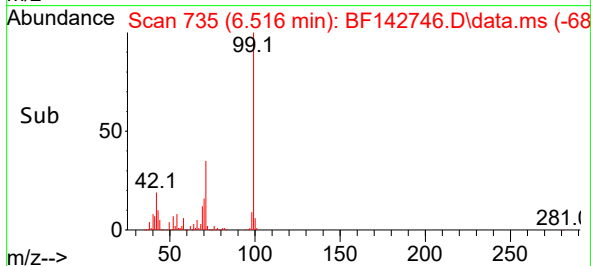


Tgt Ion: 99 Resp: 25442
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.1 28.0 42.0

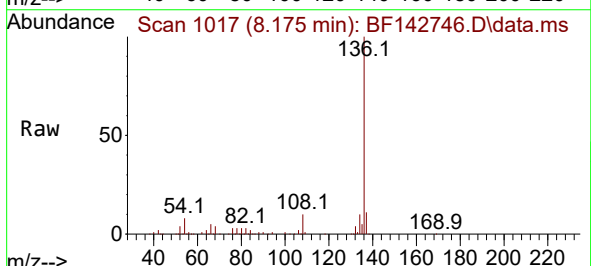
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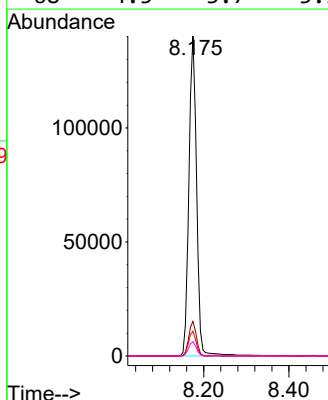
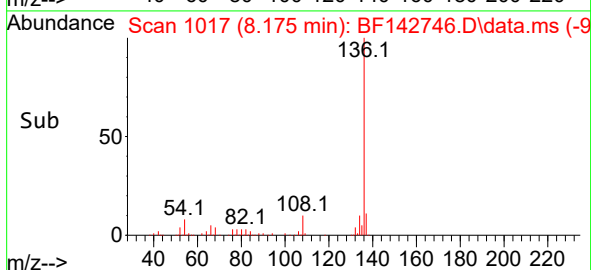
Supervised By :Jagrut
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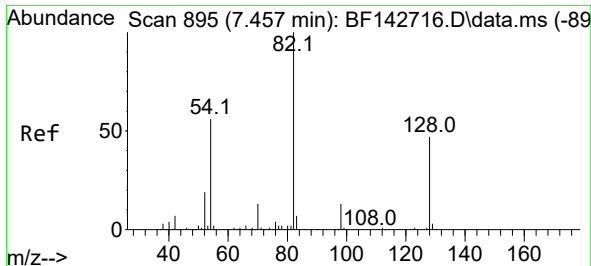


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47



Tgt Ion:136 Resp: 176407
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.7 5.9 8.9
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 49.758 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

VNJ-210

Tgt Ion: 82 Resp: 160389

Ion Ratio Lower Upper

82 100

128 47.8 37.8 56.8

54 56.2 44.9 67.3

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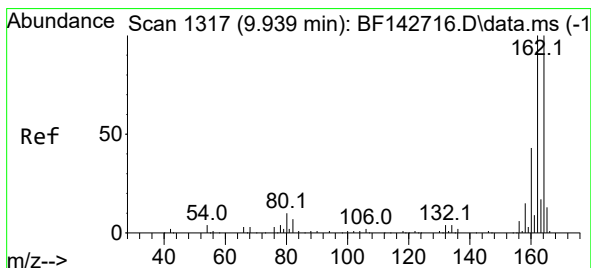
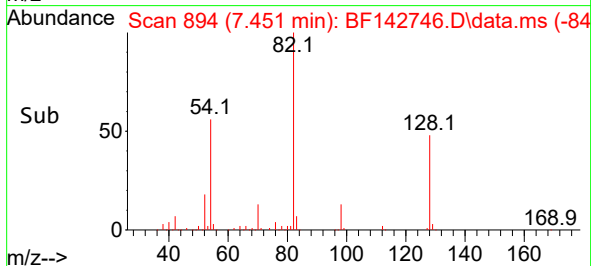
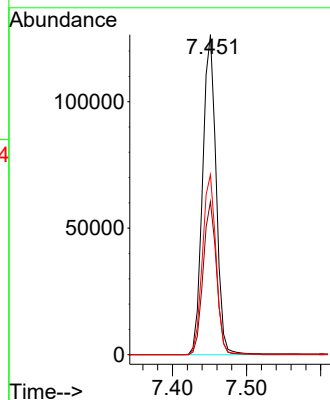
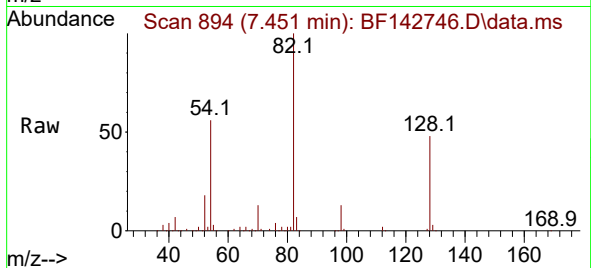
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

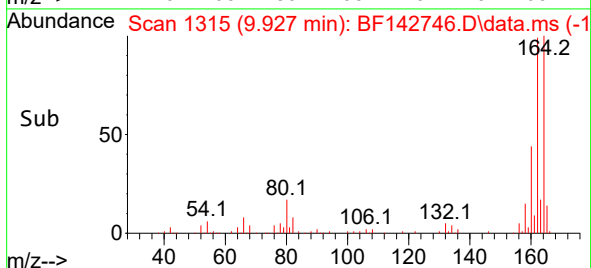
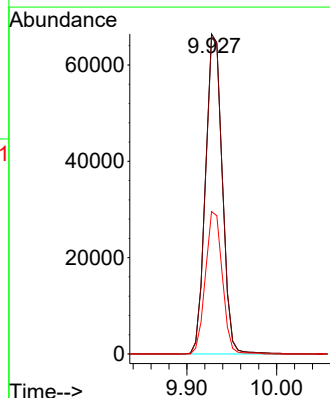
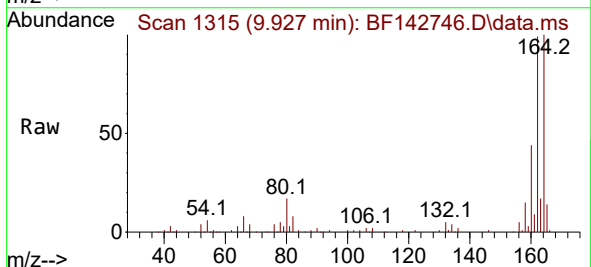
Tgt Ion:164 Resp: 86181

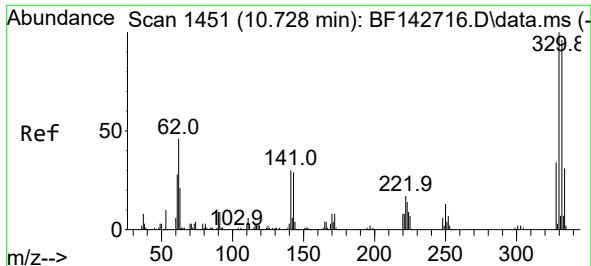
Ion Ratio Lower Upper

164 100

162 99.2 79.9 119.9

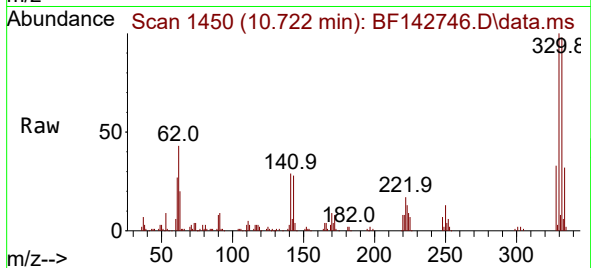
160 44.5 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 73.657 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
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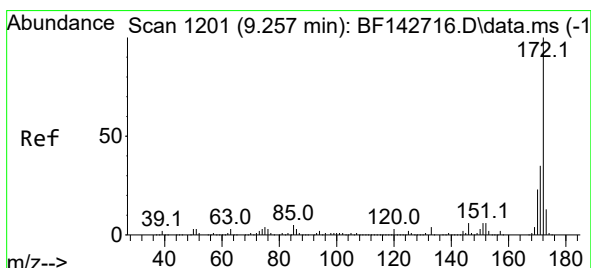
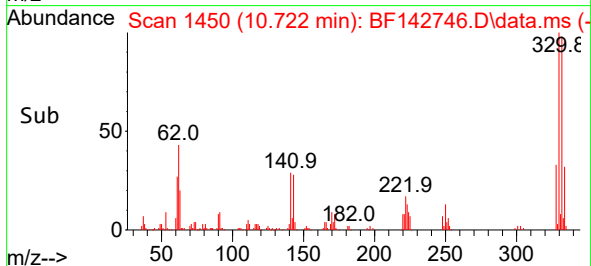
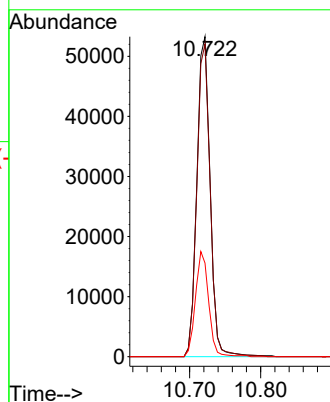


Tgt Ion: 330 Resp: 6957
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 32.6 25.4 38.0

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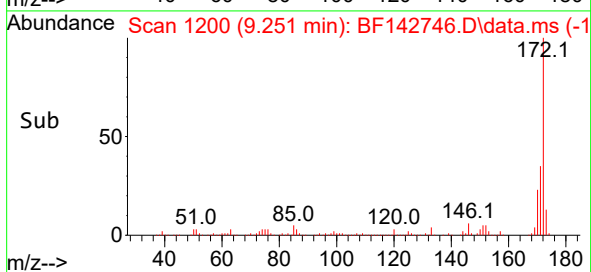
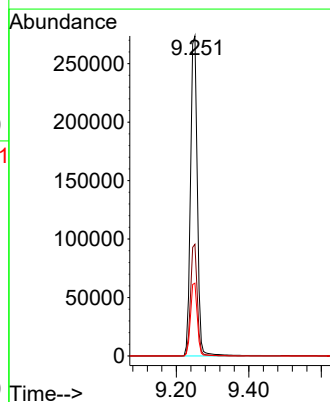
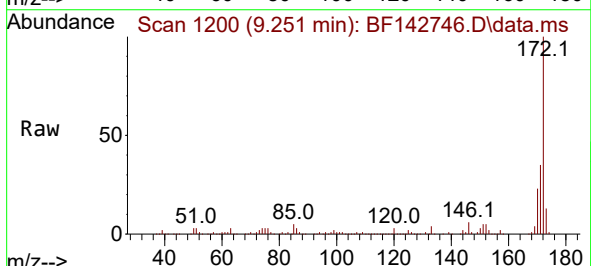
Reviewed By :Anahy
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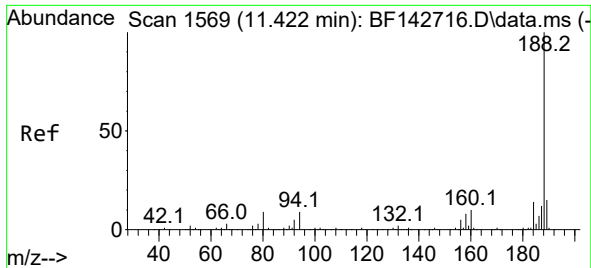
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Upadhyay
06/12/2025



#45
2-Fluorobiphenyl
Concen: 55.366 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

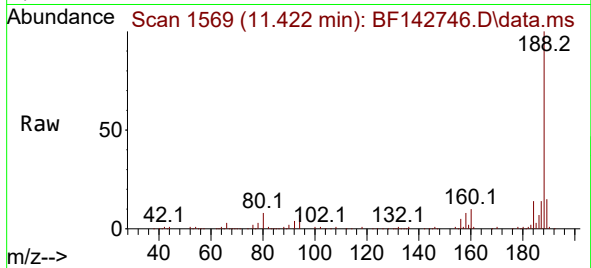
Tgt Ion: 172 Resp: 359151
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.8 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :
VNJ-210

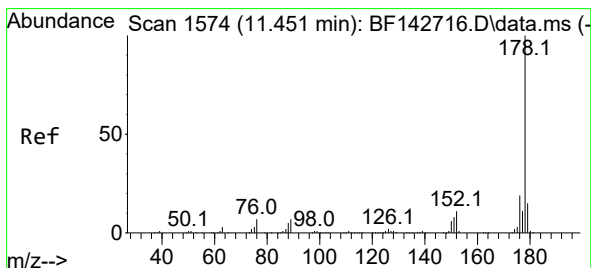
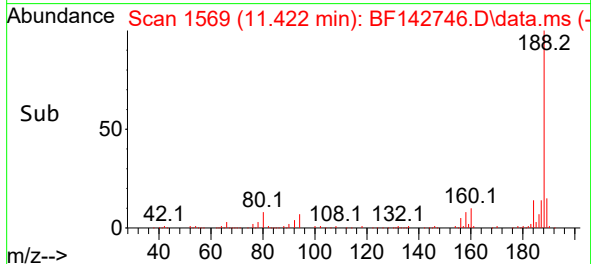
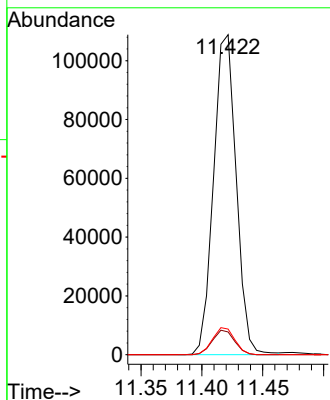


Tgt Ion:188 Resp: 141000
Ion Ratio Lower Upper
188 100
94 7.1 6.8 10.2
80 8.0 7.1 10.7

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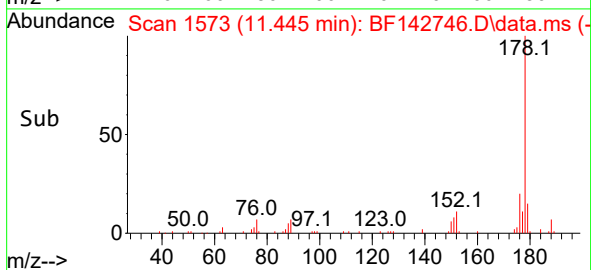
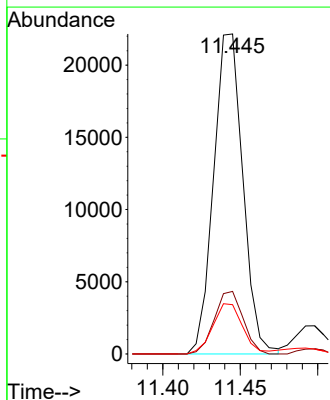
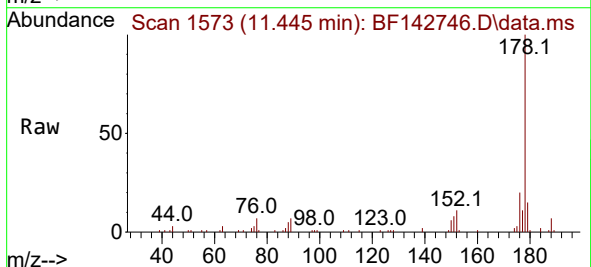
Reviewed By :Anahy
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06/12/2025

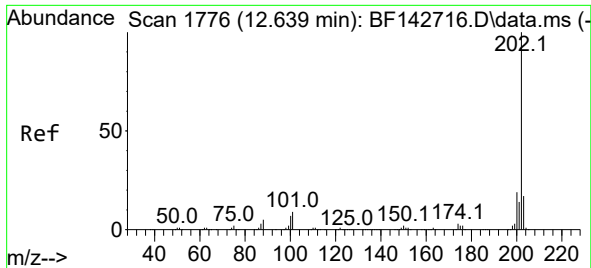
Supervised By :Jagrut
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06/12/2025



#71
Phenanthrene
Concen: 3.855 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

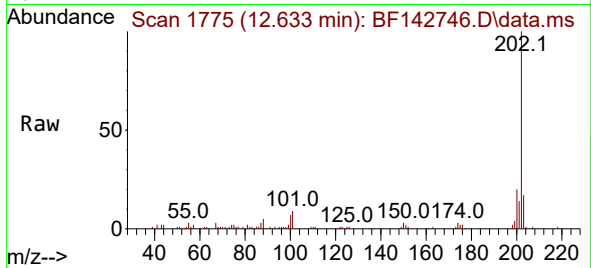
Tgt Ion:178 Resp: 29118
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 6.846 ng
RT: 12.633 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :
VNJ-210

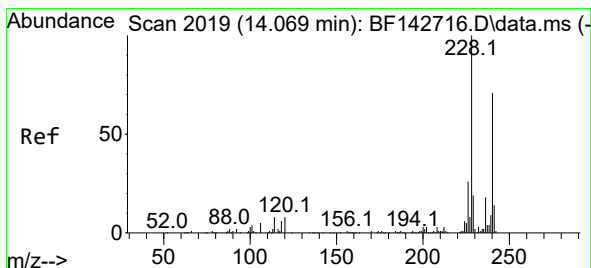
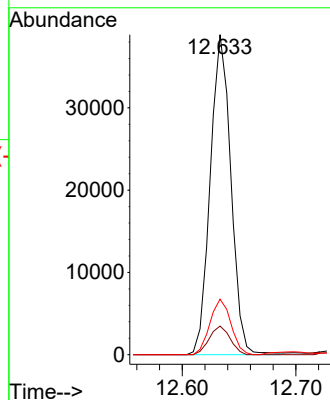


Tgt Ion:202 Resp: 4917
Ion Ratio Lower Upper
202 100
101 8.9 0.0 29.5
203 17.4 0.0 37.0

Manual Integrations
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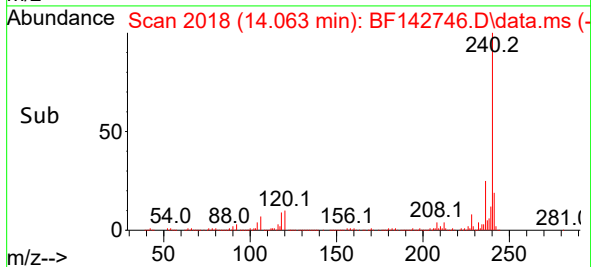
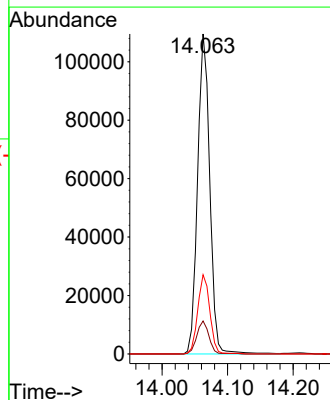
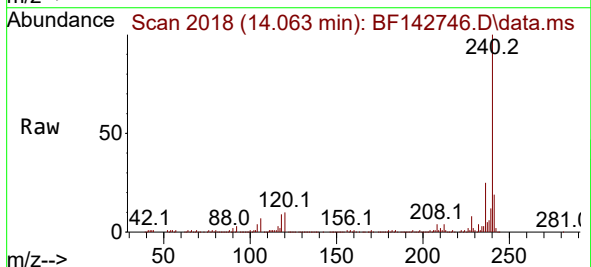
Reviewed By :Anahy
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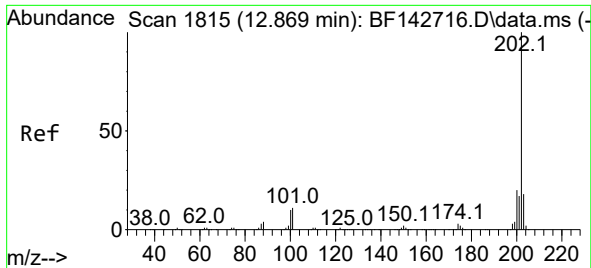
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06/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

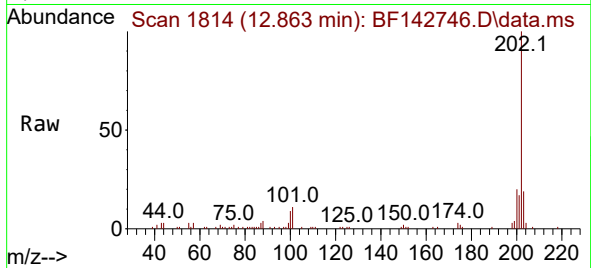
Tgt Ion:240 Resp: 141636
Ion Ratio Lower Upper
240 100
120 10.3 8.5 12.7
236 24.7 20.1 30.1





#78
Pyrene
Concen: 2.980 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
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VNJ-210

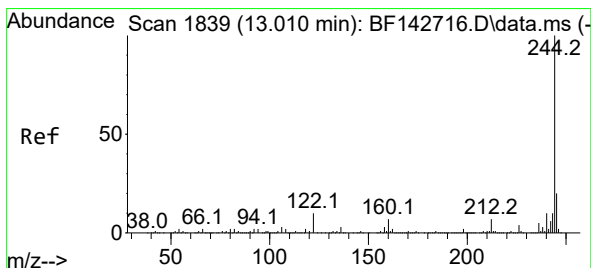
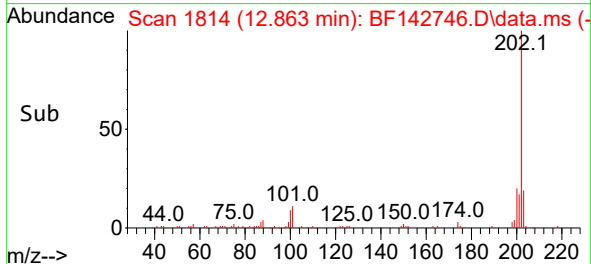
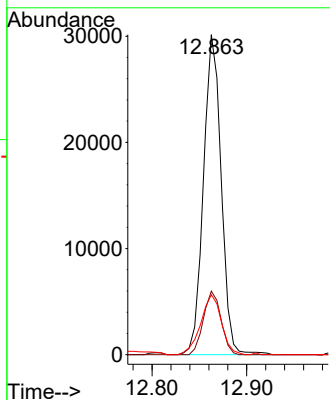


Tgt Ion:202 Resp: 39224
Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.8
203 18.7 14.1 21.1

Manual Integrations
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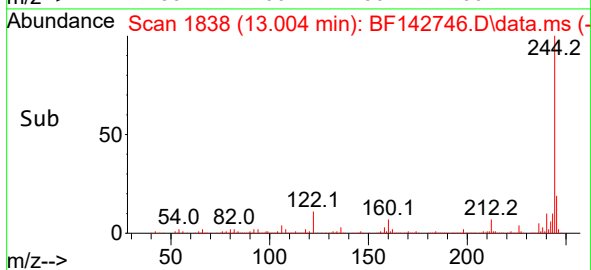
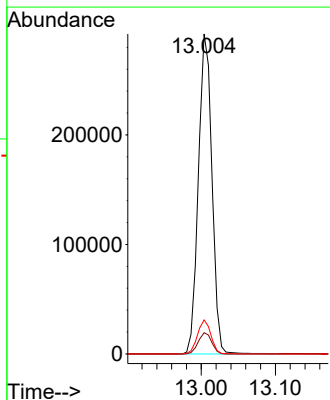
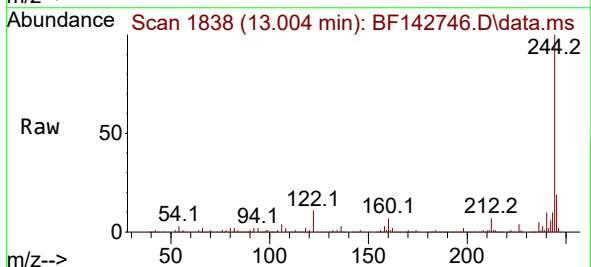
Reviewed By :Anahy
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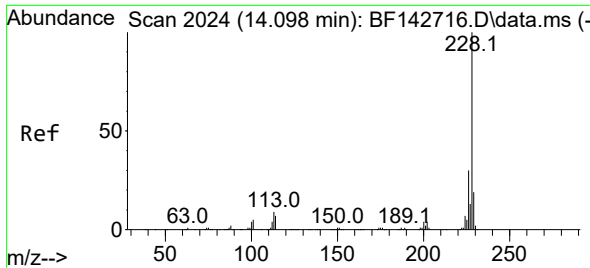
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#79
Terphenyl-d14
Concen: 36.068 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

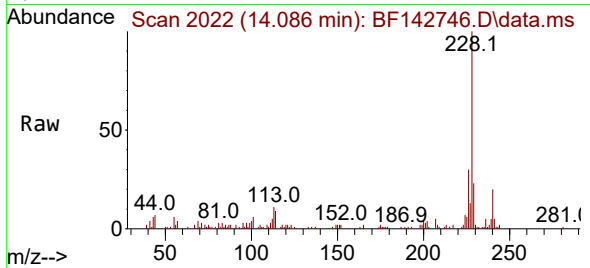
Tgt Ion:244 Resp: 371948
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.6 8.3 12.5





#83
Chrysene
Concen: 2.859 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :
VNJ-210

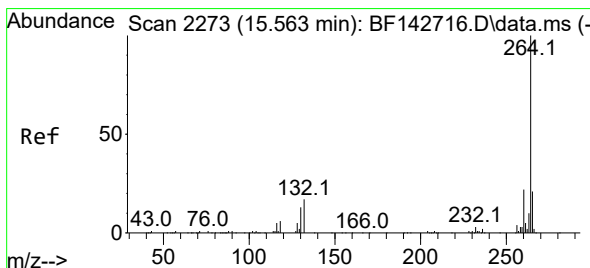
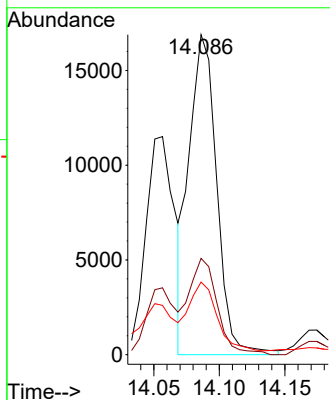
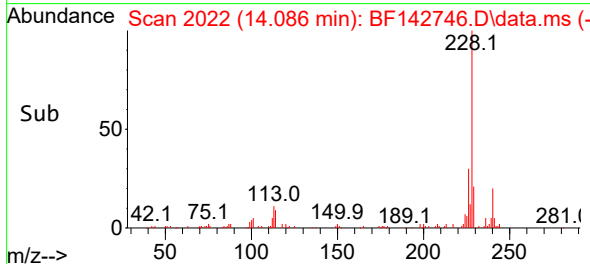


Tgt Ion:228 Resp: 24772
Ion Ratio Lower Upper
228 100
226 30.1 23.6 35.4
229 22.7 15.5 23.3

Manual Integrations
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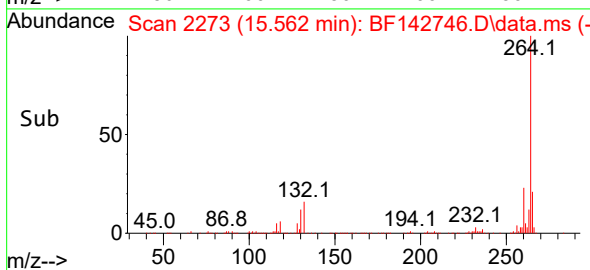
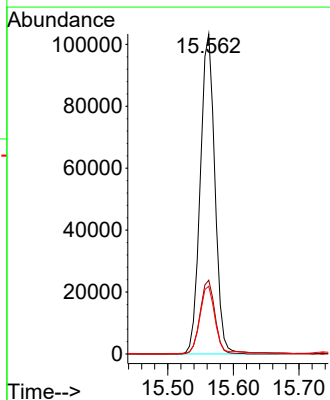
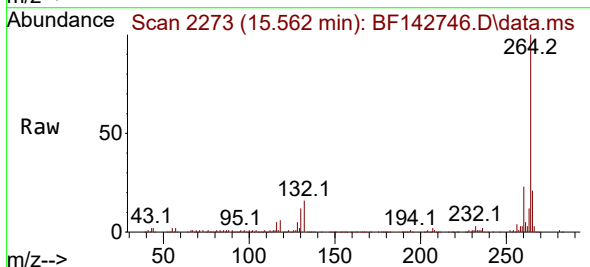
Reviewed By :Anahy
Claudio
06/12/2025

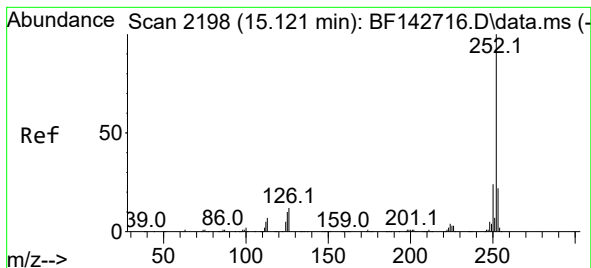
Supervised By :Jagrut
Upadhyay
06/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

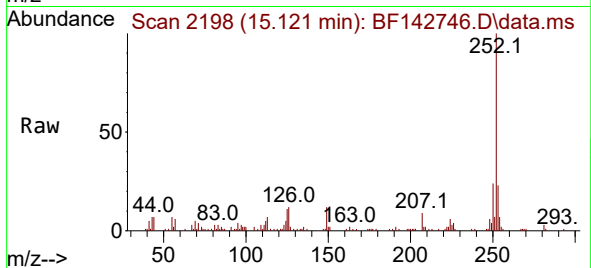
Tgt Ion:264 Resp: 161296
Ion Ratio Lower Upper
264 100
260 23.1 17.8 26.6
265 21.2 16.6 25.0





#88
Benzo(b)fluoranthene
Concen: 3.820 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :
VNJ-210

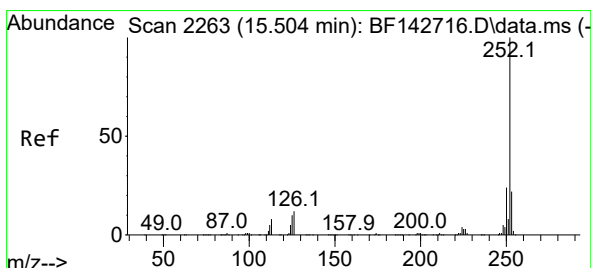
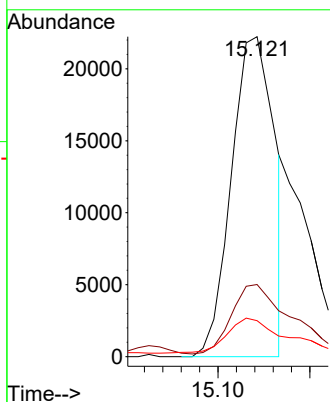
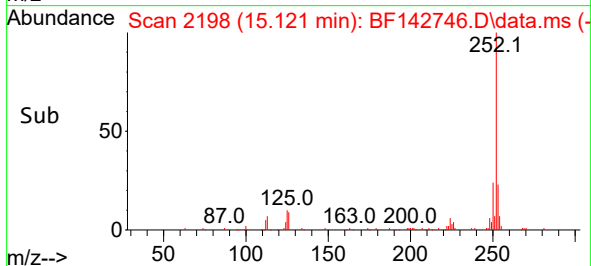


Tgt Ion:252 Resp: 3628
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 11.2 7.8 11.6

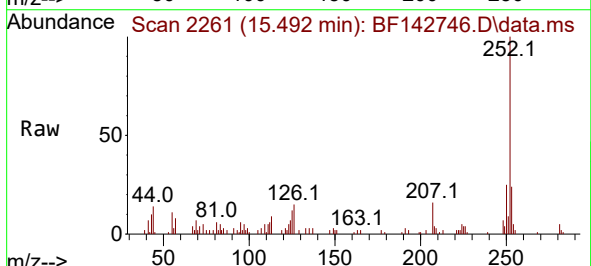
Manual Integrations
APPROVED

Reviewed By :Anahy
Claudio
06/12/2025

Supervised By :Jagrut
Upadhyay
06/12/2025



#90
Benzo(a)pyrene
Concen: 2.166 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.012 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47



Tgt Ion:252 Resp: 19562
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 12.1 8.0 12.0

