

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142173.D
 Acq On : 28 Mar 2025 21:30
 Operator : RC/JU
 Sample : Q1642-01DL 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-1-032525DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/31/2025
 Supervised By :Jagrut Upadhyay 03/31/2025

Quant Time: Mar 28 22:50:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	126835	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	480216	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	231584	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	317045	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	268656	20.000	ng	0.00
86) Perylene-d12	15.509	264	200675	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	72793	9.578	ng	-0.01
7) Phenol-d6	6.487	99	88063	9.101	ng	-0.02
23) Nitrobenzene-d5	7.428	82	53799	6.305	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	19716	6.711	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	112953	7.418	ng	-0.01
79) Terphenyl-d14	12.974	244	92599	5.096	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	43239	3.161	ng	95
58) Fluorene	10.457	166	42850	2.843	ng	99
71) Phenanthrene	11.422	178	467543	27.302	ng	98
72) Anthracene	11.469	178	104593	6.088	ng	97
73) Carbazole	11.627	167	45646	3.081	ng	98
75) Fluoranthene	12.610	202	639661	35.213	ng	99
78) Pyrene	12.839	202	527743	22.709	ng	99
81) Benzo(a)anthracene	14.021	228	228046	12.936	ng	98
83) Chrysene	14.057	228	201716	12.623	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	28142	2.244	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.998	276	67377	5.190	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	204967m	14.903	ng	
89) Benzo(k)fluoranthene	15.098	252	52883m	4.493	ng	
90) Benzo(a)pyrene	15.445	252	118300	10.993	ng	98
92) Benzo(g,h,i)perylene	17.445	276	63760	6.024	ng	96

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

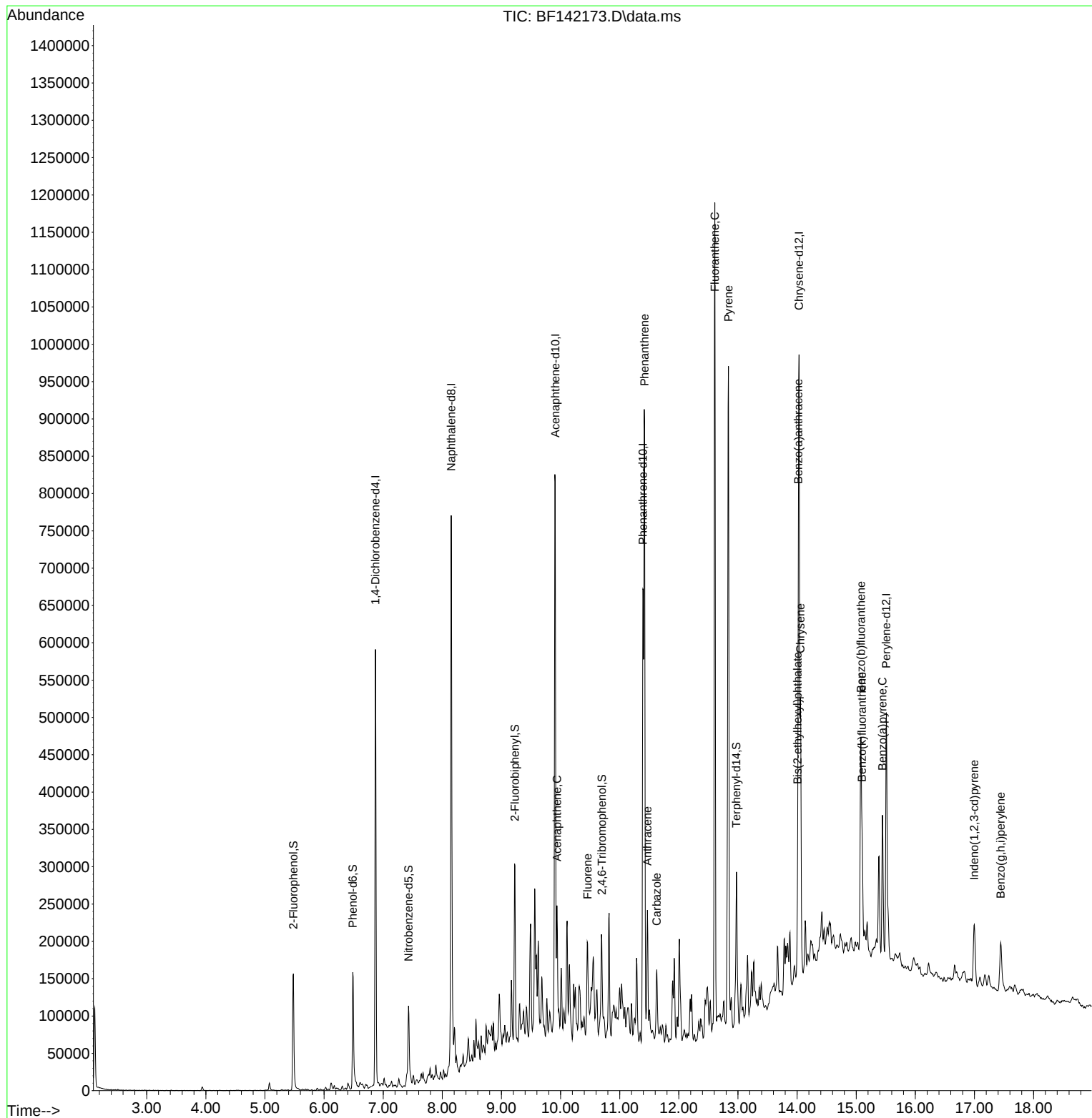
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
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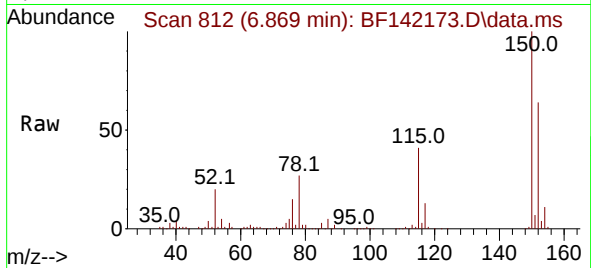
Quant Time: Mar 28 22:50:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

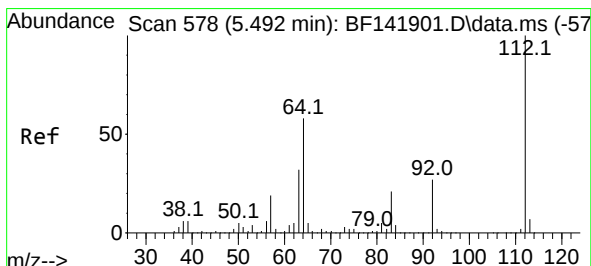
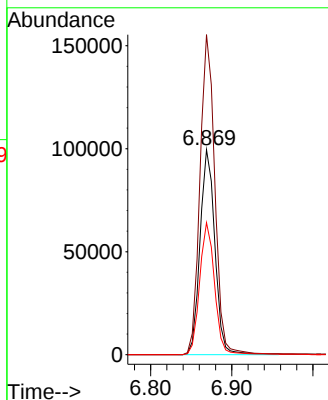
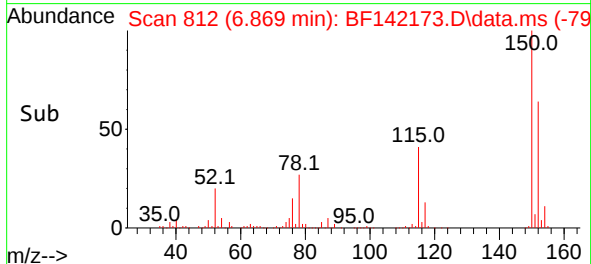
Instrument :
BNA_F
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Tgt Ion:152 Resp: 126835
Ion Ratio Lower Upper
152 100
150 156.1 127.4 191.2
115 64.4 51.9 77.9

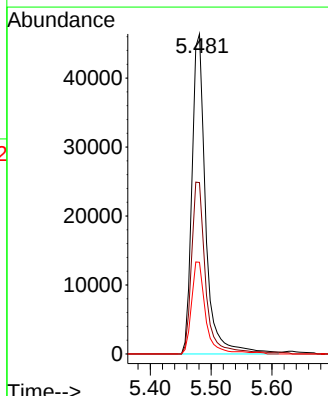
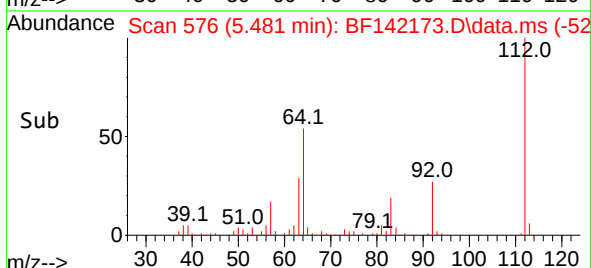
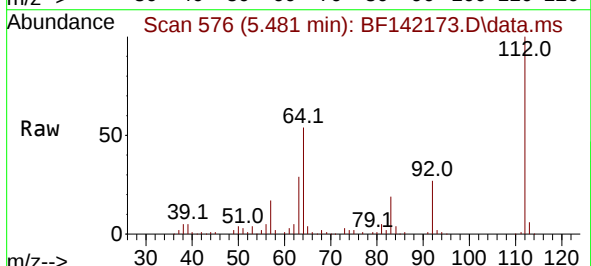
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#5
2-Fluorophenol
Concen: 9.578 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

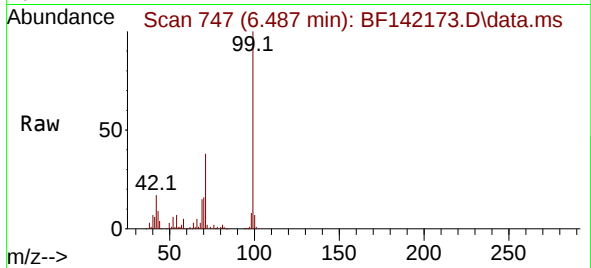
Tgt Ion:112 Resp: 72793
Ion Ratio Lower Upper
112 100
64 53.6 46.5 69.7
63 28.7 25.4 38.2





#7
Phenol-d6
Concen: 9.101 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

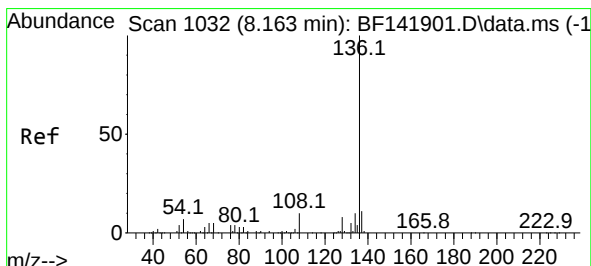
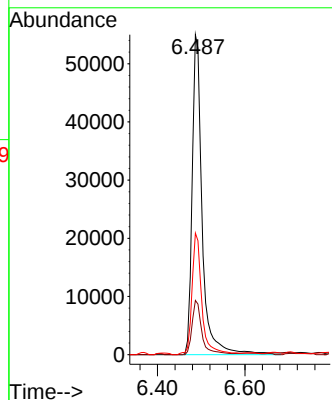
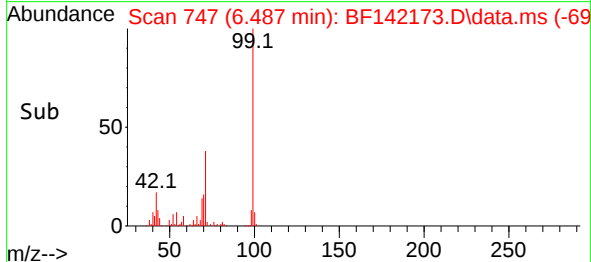
Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL



Tgt Ion: 99 Resp: 8806
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.0 30.8 46.2

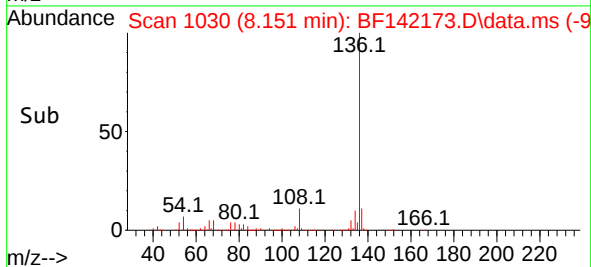
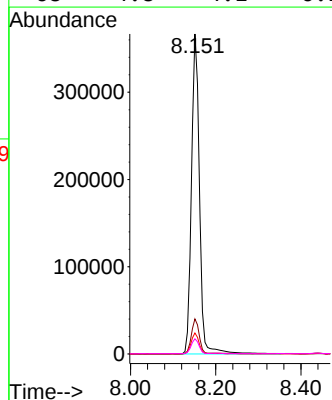
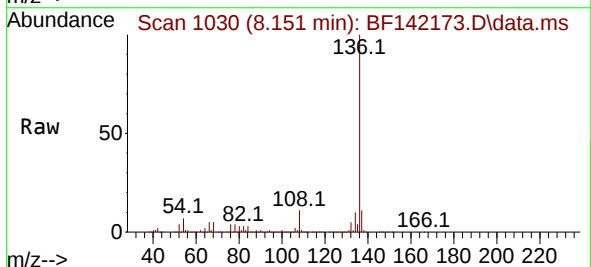
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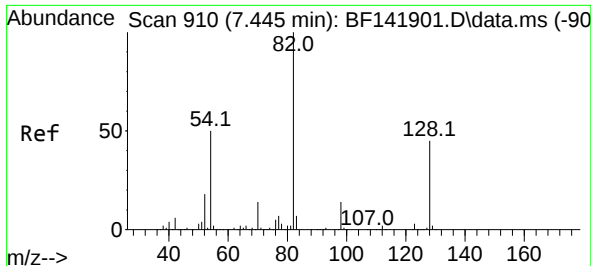
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Supervised By :Jagrut Upadhyay 03/31/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:136 Resp: 480216
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.6 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 6.305 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

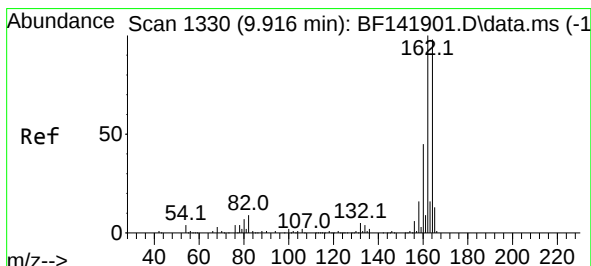
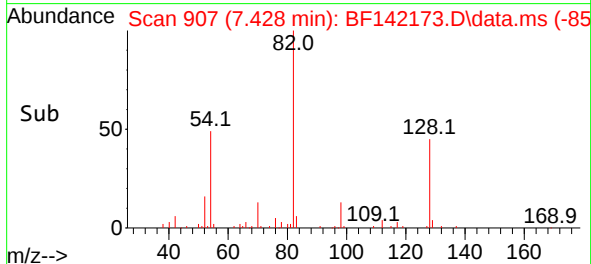
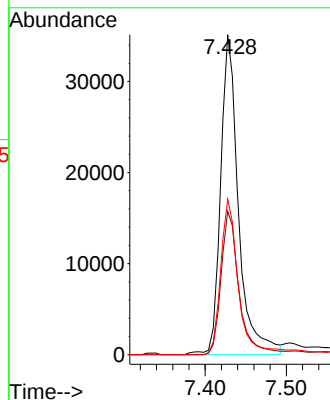
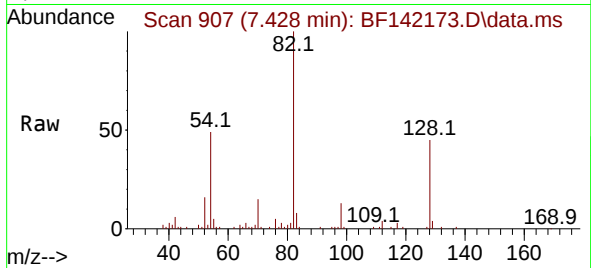
ClientSampleId :

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Tgt Ion: 82 Resp: 53799
Ion Ratio Lower Upper
82 100
128 44.8 36.0 54.0
54 48.5 39.6 59.4

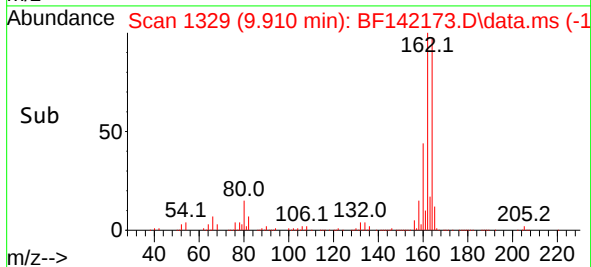
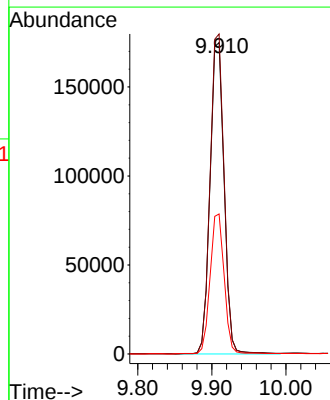
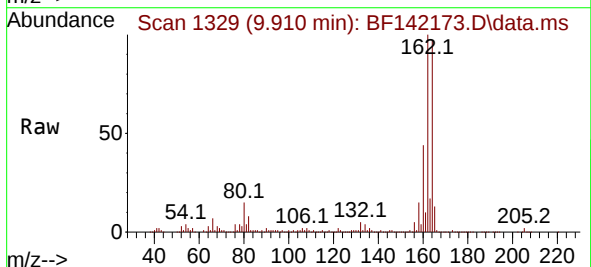
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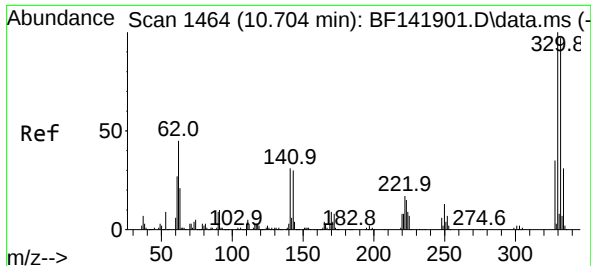
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

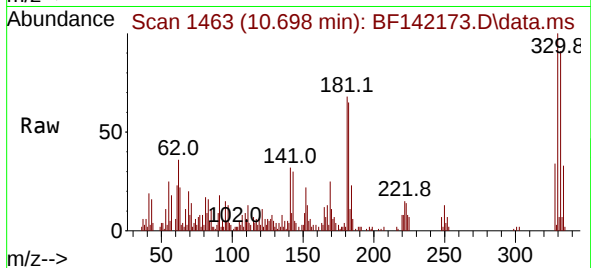
Tgt Ion:164 Resp: 231584
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 44.9 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 6.711 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

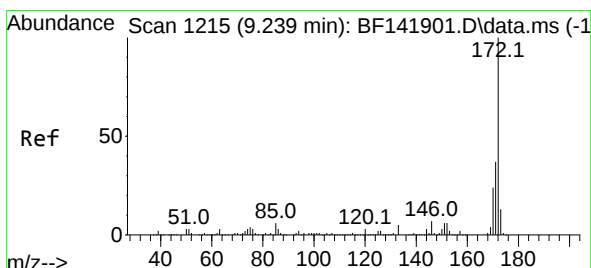
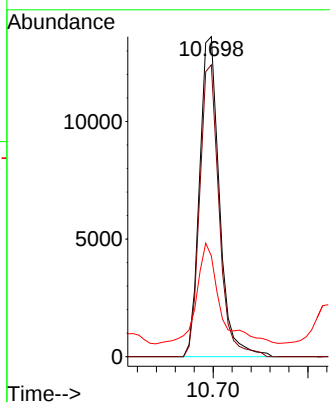
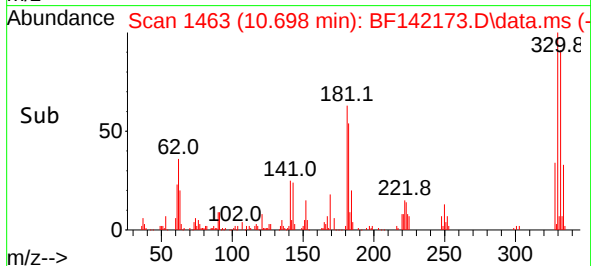
Instrument :
BNA_F
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PAT-1-032525DL



Tgt Ion: 330 Resp: 19710
Ion Ratio Lower Upper
330 100
332 89.5 77.6 116.4
141 36.8 24.7 37.1

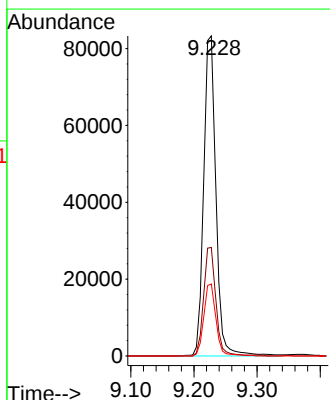
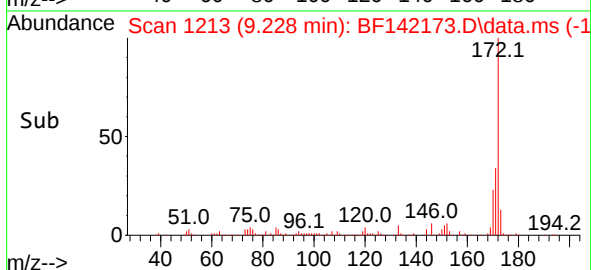
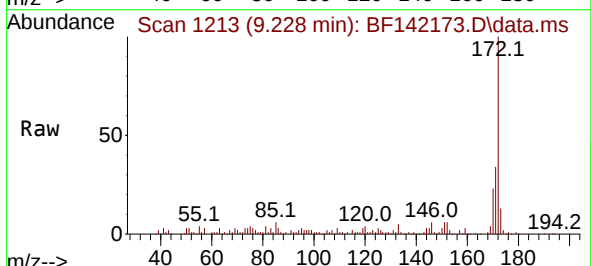
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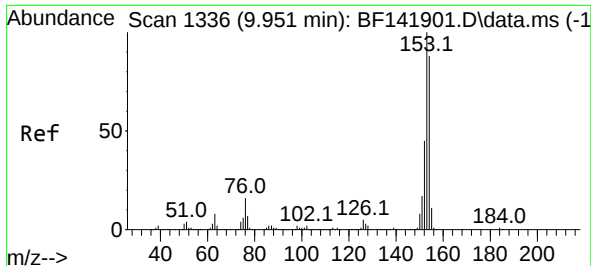
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#45
2-Fluorobiphenyl
Concen: 7.418 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion: 172 Resp: 112953
Ion Ratio Lower Upper
172 100
171 33.9 29.3 43.9
170 22.5 19.4 29.0





#52
Acenaphthene
Concen: 3.161 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

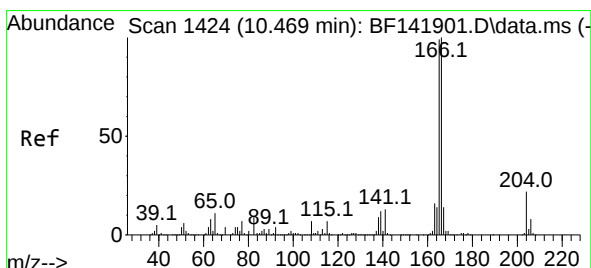
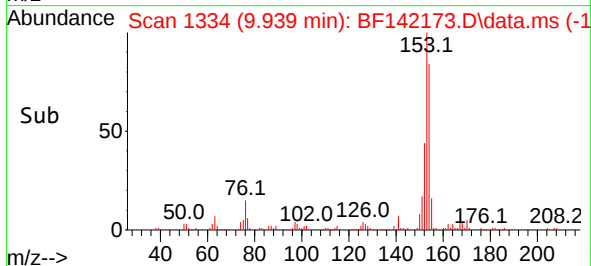
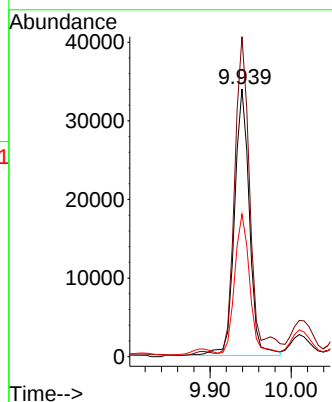
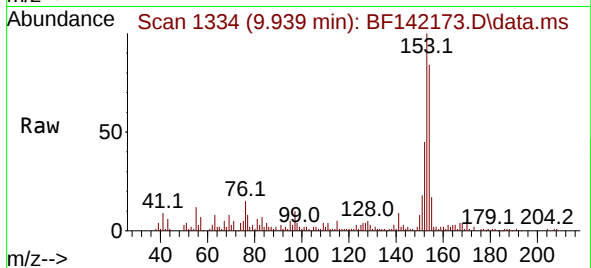
PAT-1-032525DL

Tgt Ion:154 Resp: 43239
Ion Ratio Lower Upper
154 100
153 119.6 90.7 136.1
152 53.3 41.1 61.7

Manual Integrations

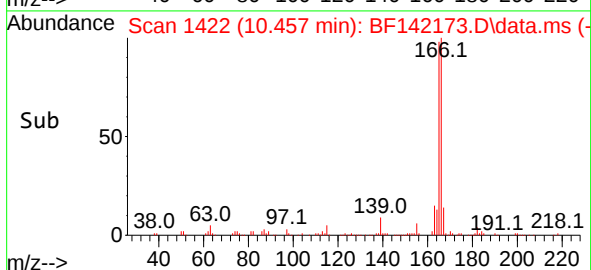
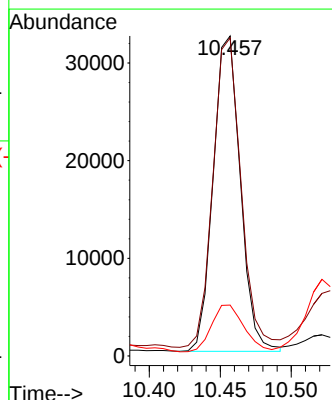
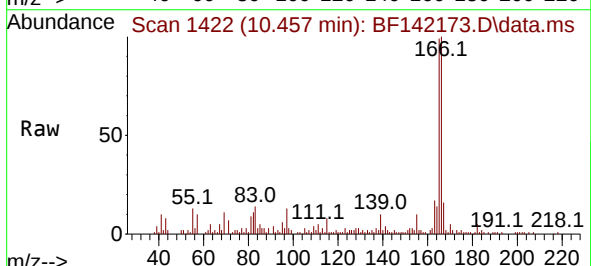
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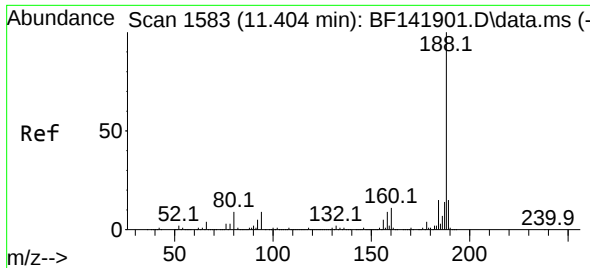
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#58
Fluorene
Concen: 2.843 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:166 Resp: 42850
Ion Ratio Lower Upper
166 100
165 99.4 79.0 118.4
167 15.9 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

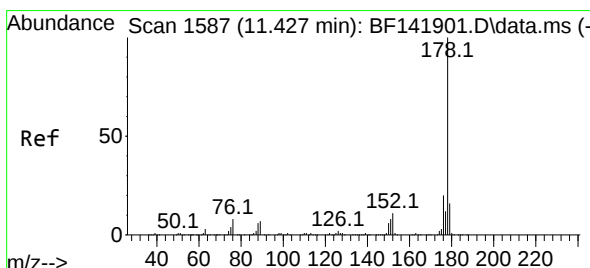
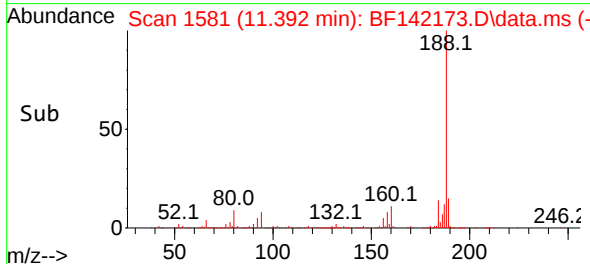
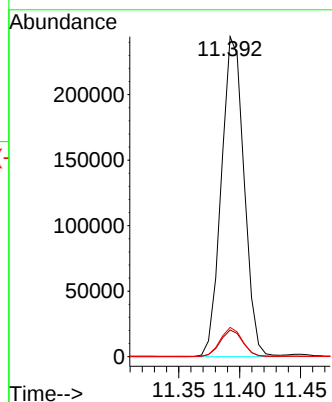
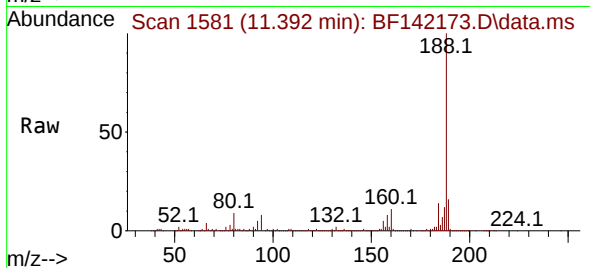
PAT-1-032525DL

Tgt Ion:188 Resp: 317045
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.1 7.6 11.4

Manual Integrations

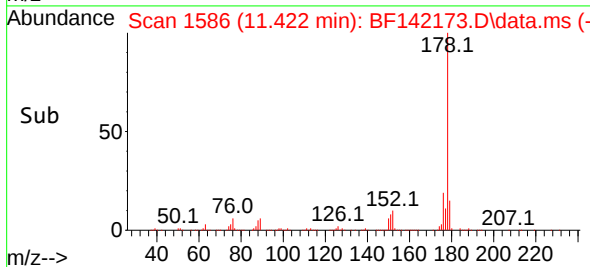
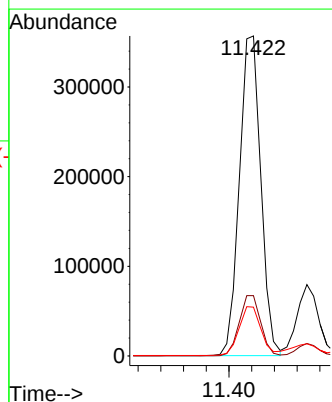
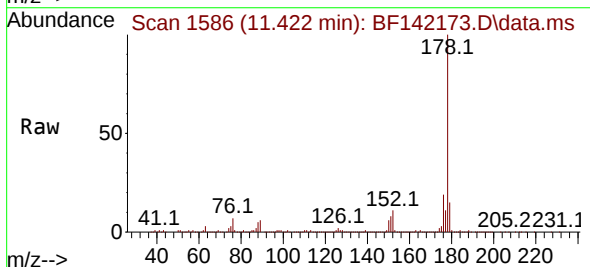
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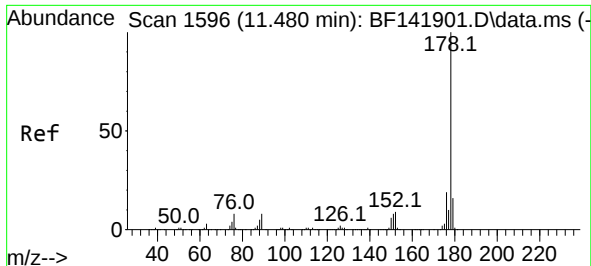
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#71
Phenanthrene
Concen: 27.302 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

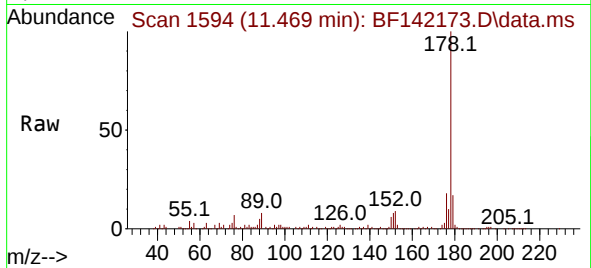
Tgt Ion:178 Resp: 467543
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.2 12.6 19.0





#72
 Anthracene
 Concen: 6.088 ng
 RT: 11.469 min Scan# 1596
 Delta R.T. -0.012 min
 Lab File: BF142173.D
 Acq: 28 Mar 2025 21:30

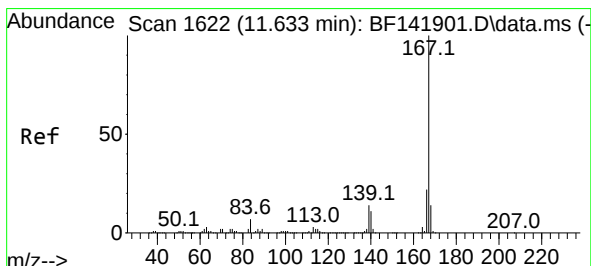
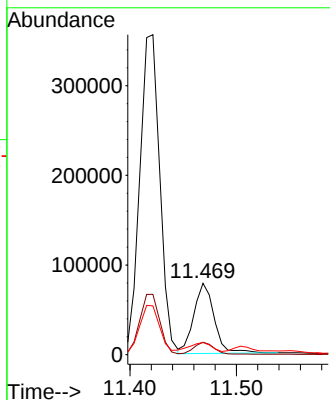
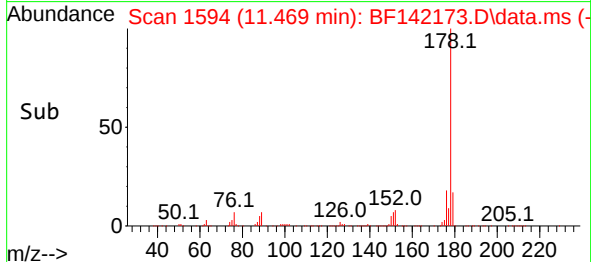
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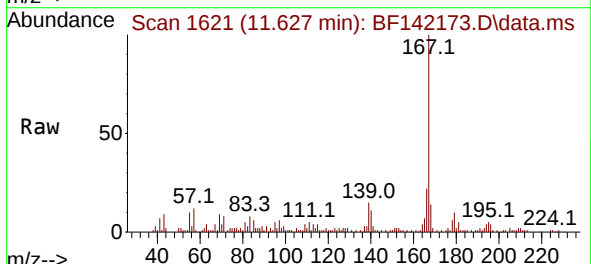
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 Ion Ratio Lower Upper
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 176 17.5 15.1 22.7
 179 17.0 12.6 19.0

Manual Integrations
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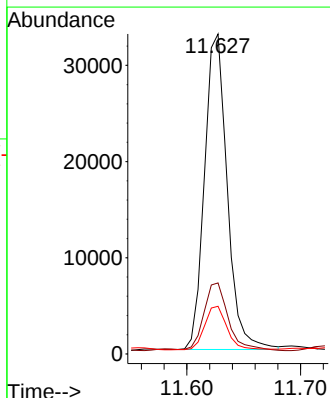
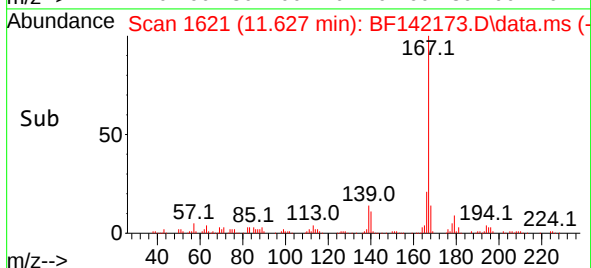
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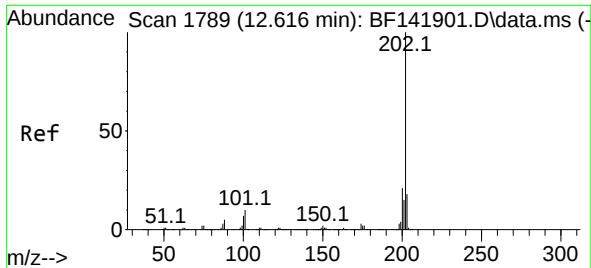


#73
 Carbazole
 Concen: 3.081 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF142173.D
 Acq: 28 Mar 2025 21:30



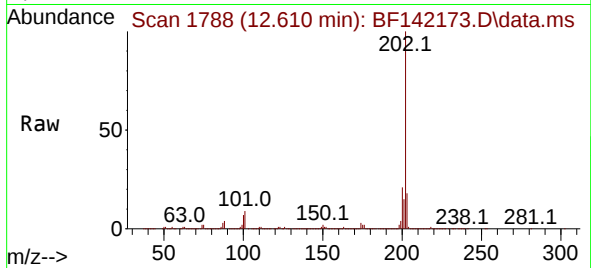
Tgt Ion:167 Resp: 45646
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.2
 139 14.9 11.0 16.6





#75
Fluoranthene
Concen: 35.213 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

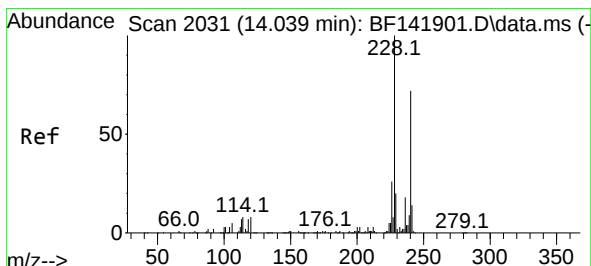
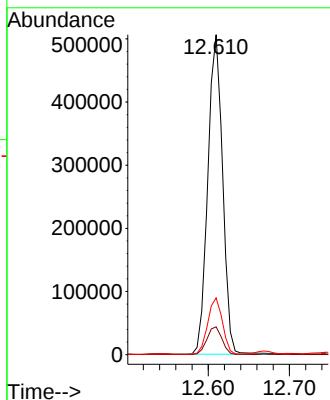
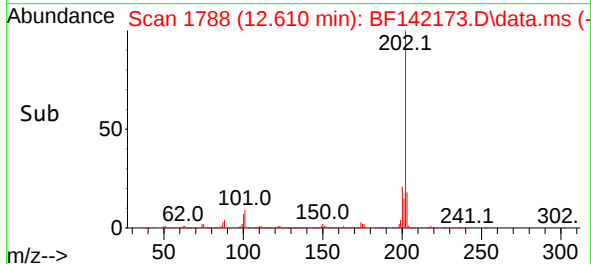
Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL



Tgt Ion:202 Resp: 63966
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.7
203 17.8 0.0 37.8

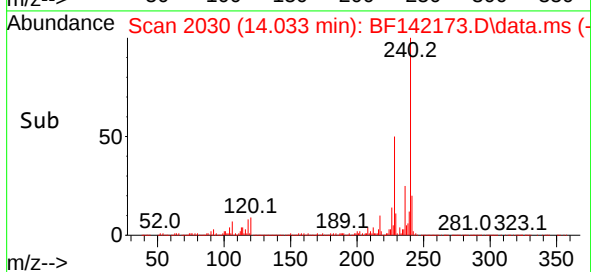
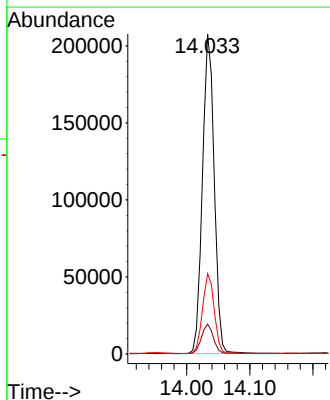
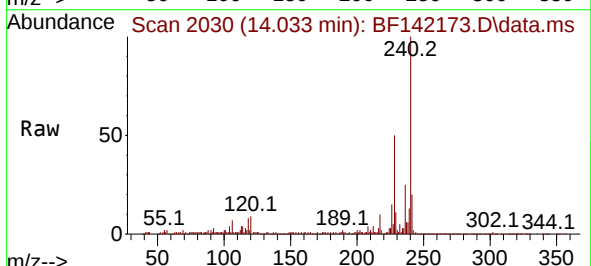
Manual Integrations
APPROVED

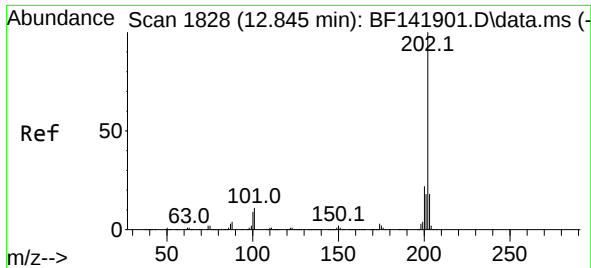
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

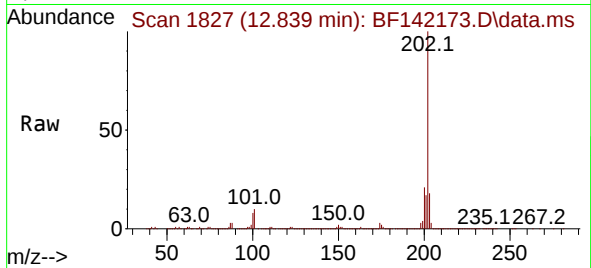
Tgt Ion:240 Resp: 268656
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 25.1 20.5 30.7





#78
Pyrene
Concen: 22.709 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

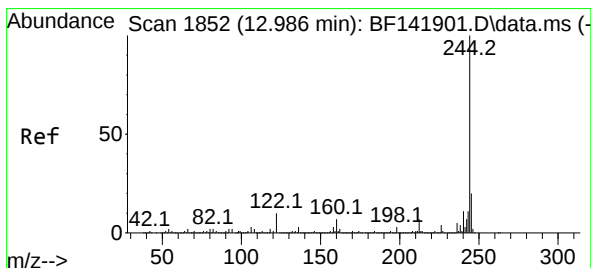
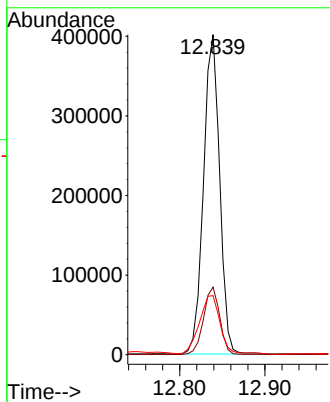
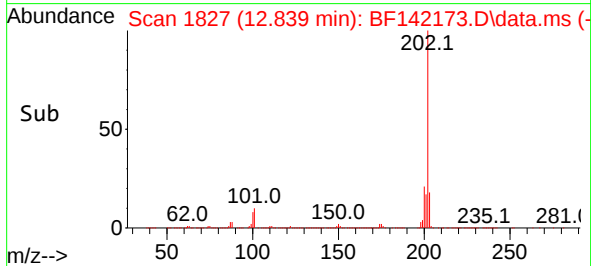
Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL



Tgt Ion:202 Resp: 52774
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 18.5 14.4 21.6

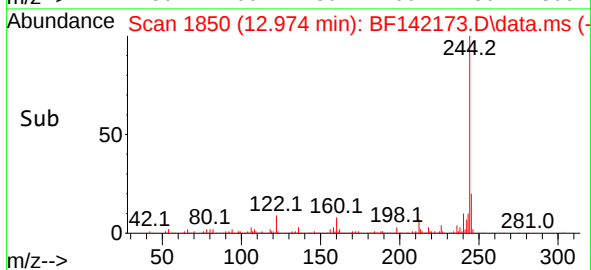
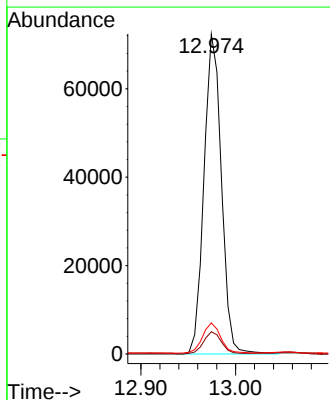
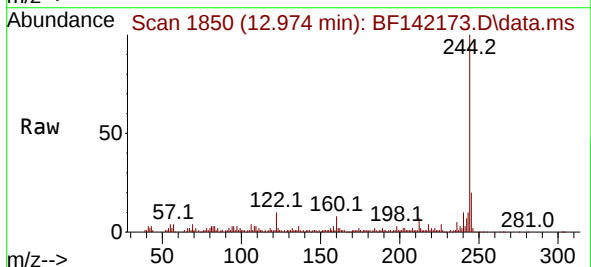
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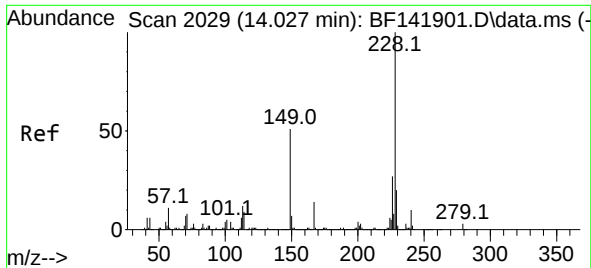
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#79
Terphenyl-d14
Concen: 5.096 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:244 Resp: 92599
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.7 7.7 11.5





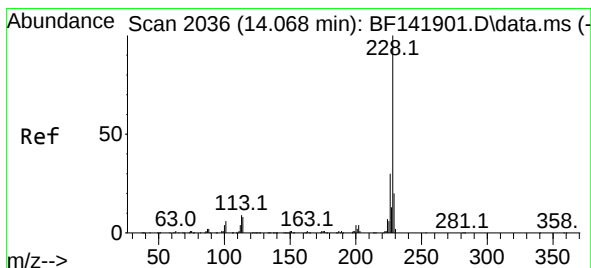
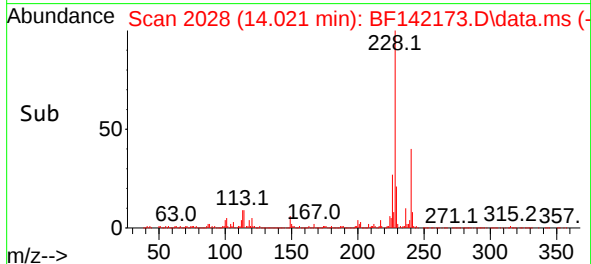
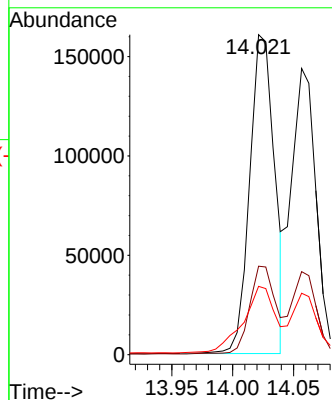
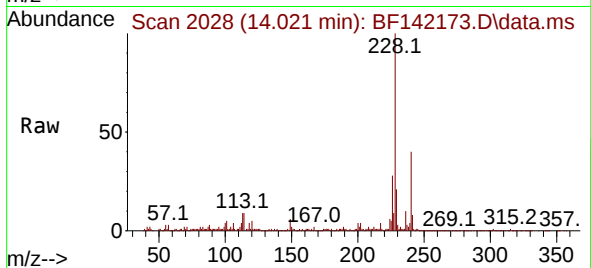
#81
Benzo(a)anthracene
Concen: 12.936 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL

Tgt Ion:228 Resp: 228040
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.8
229 21.3 16.0 24.0

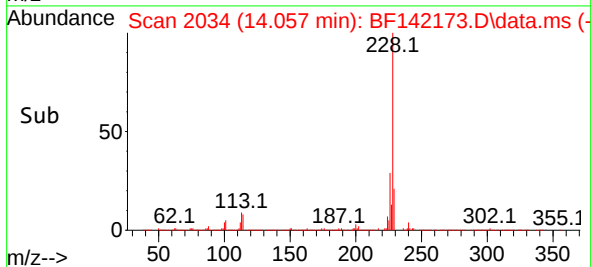
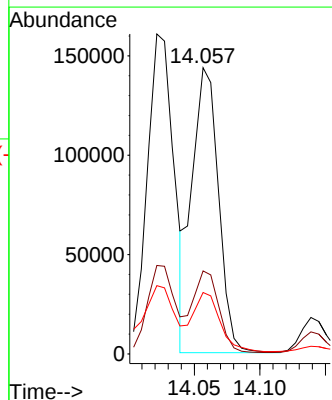
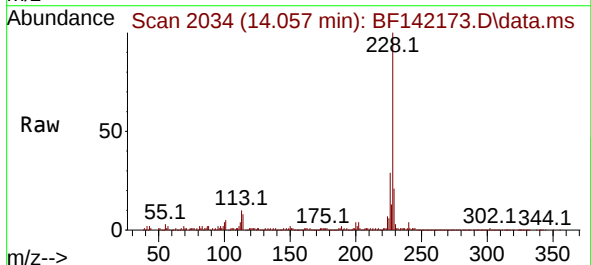
Manual Integrations
APPROVED

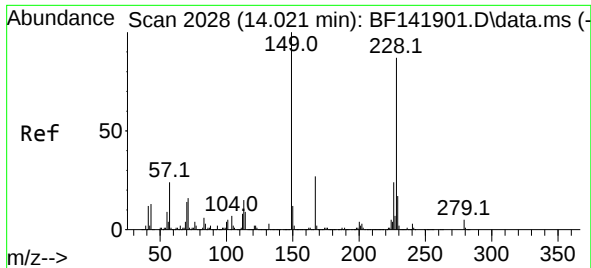
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#83
Chrysene
Concen: 12.623 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:228 Resp: 201716
Ion Ratio Lower Upper
228 100
226 29.0 24.1 36.1
229 21.5 15.7 23.5





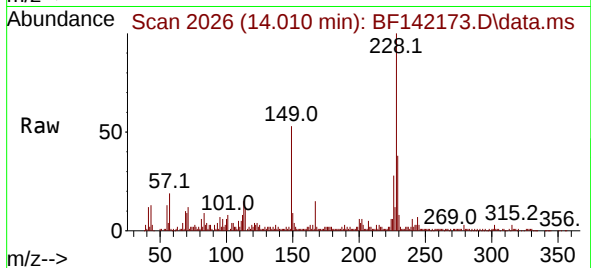
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.244 ng
RT: 14.010 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

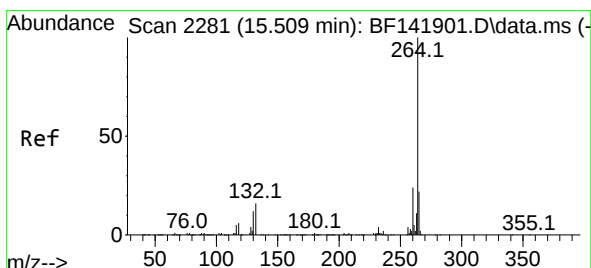
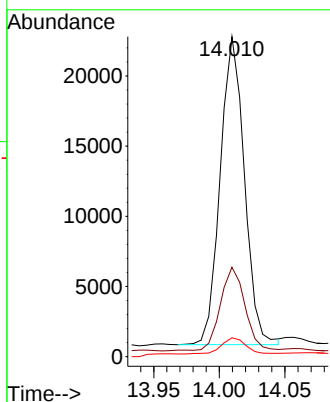
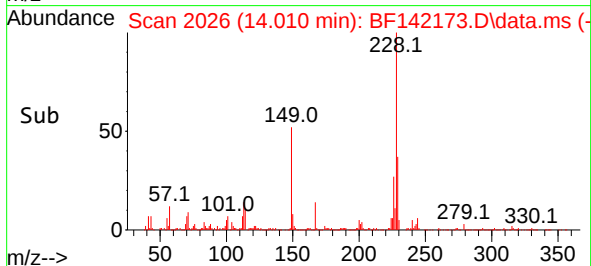


Tgt Ion:149 Resp: 2814
Ion Ratio Lower Upper
149 100
167 28.0 21.4 32.0
279 5.9 3.8 5.6

Manual Integrations

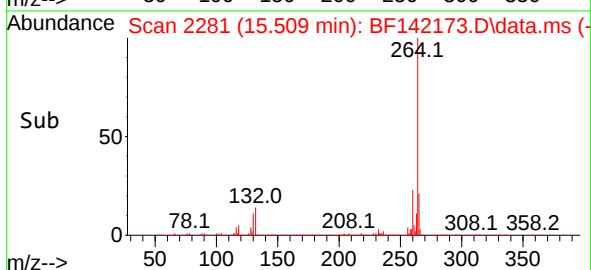
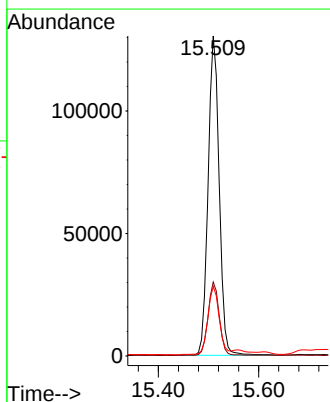
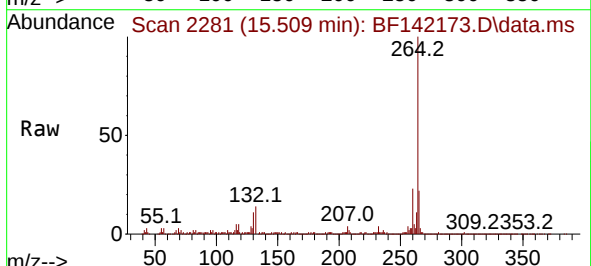
APPROVED

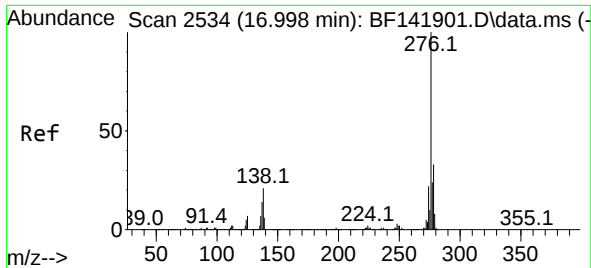
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:264 Resp: 200675
Ion Ratio Lower Upper
264 100
260 23.1 19.1 28.7
265 21.7 17.5 26.3





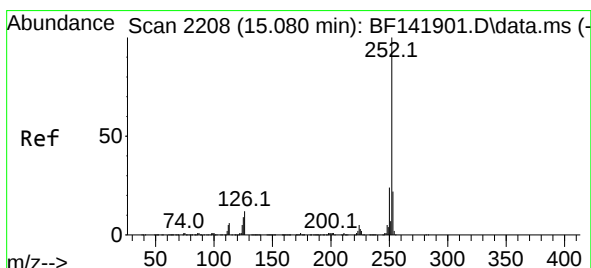
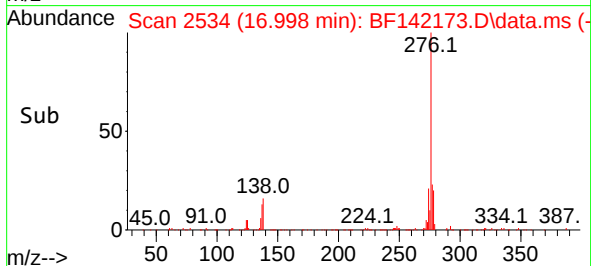
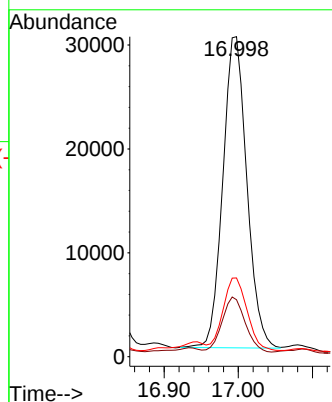
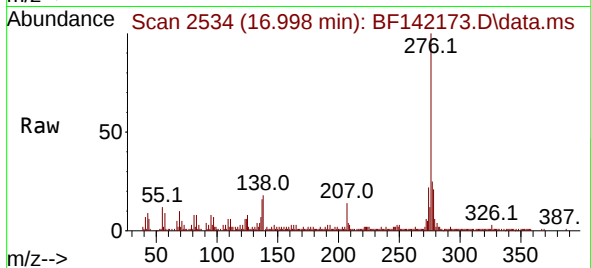
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.190 ng
RT: 16.998 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL

Tgt Ion:276 Resp: 6737
Ion Ratio Lower Upper
276 100
138 17.0 18.4 27.6
277 23.4 20.3 30.5

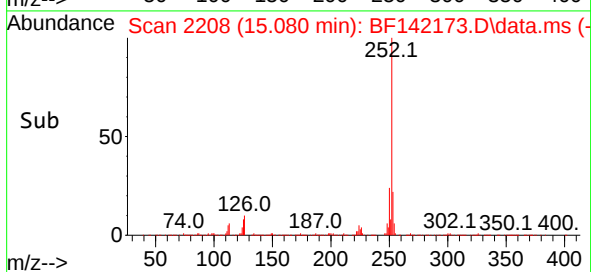
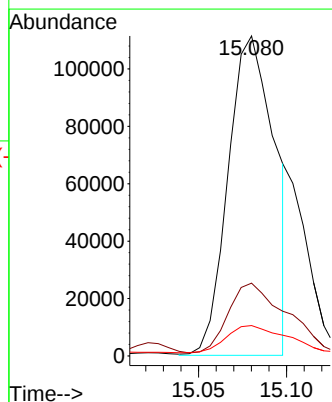
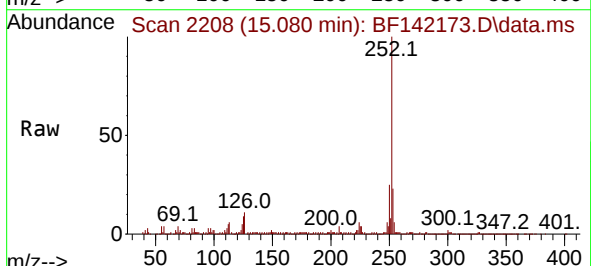
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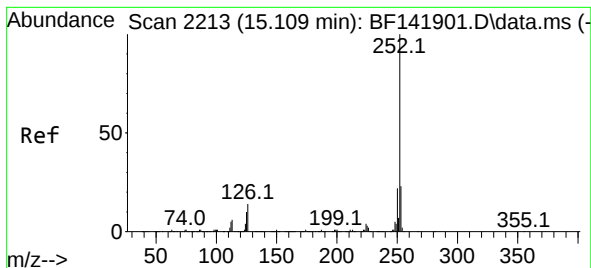
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#88
Benzo(b)fluoranthene
Concen: 14.903 ng m
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Tgt Ion:252 Resp: 204967
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 4.493 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Instrument :

BNA_F

ClientSampleId :

PAT-1-032525DL

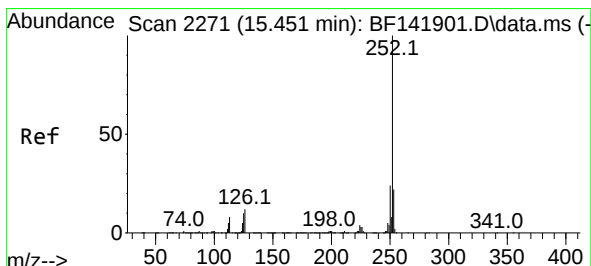
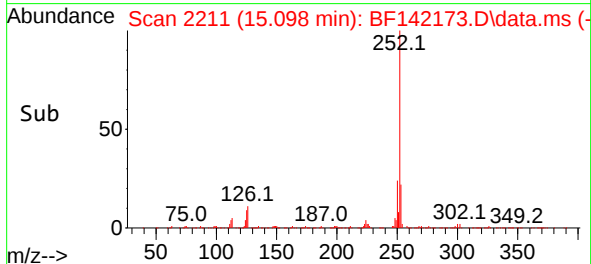
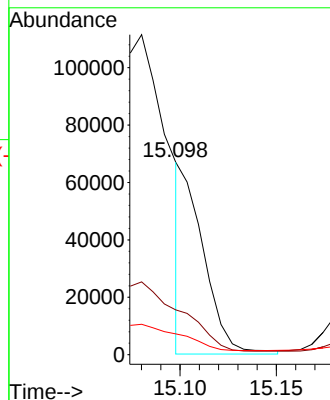
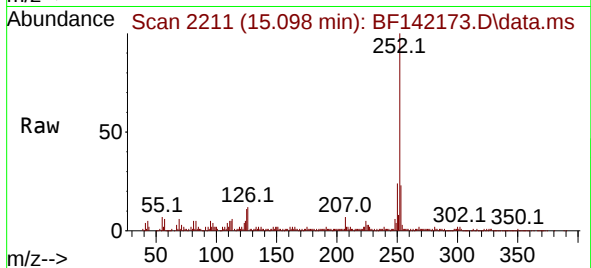
Tgt Ion:252 Resp: 5288

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	10.8	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#90

Benzo(a)pyrene

Concen: 10.993 ng

RT: 15.445 min Scan# 2270

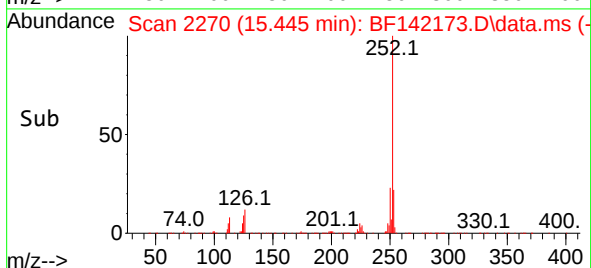
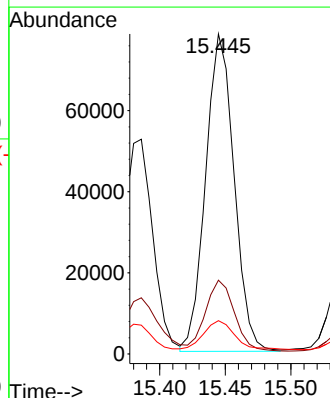
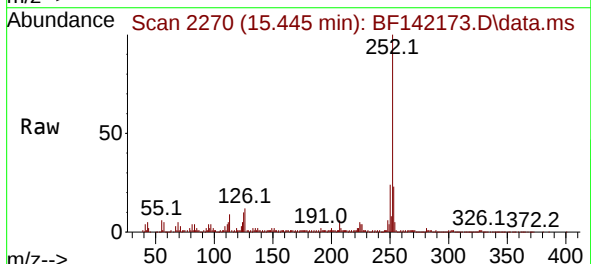
Delta R.T. -0.006 min

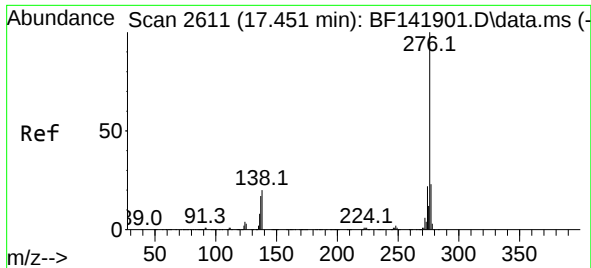
Lab File: BF142173.D

Acq: 28 Mar 2025 21:30

Tgt Ion:252 Resp: 118300

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	10.4	7.8	11.8





#92
Benzo(g,h,i)perylene
Concen: 6.024 ng
RT: 17.445 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142173.D
Acq: 28 Mar 2025 21:30

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525DL

Tgt Ion:276 Resp: 63760
Ion Ratio Lower Upper
276 100
277 26.8 18.7 28.1
138 19.1 15.8 23.8

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

