

Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
 Data File : BF142064.D
 Acq On : 24 Mar 2025 19:53
 Operator : RC/JU
 Sample : Q1626-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CO-32-1

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/25/2025
 Supervised By :Jagrut Upadhyay 03/25/2025

Quant Time: Mar 24 21:02:08 2025
 Quant Method : T:\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	6.875	152	116014	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	398449	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	182155	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	306975	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	317887	20.000	ng	0.00
86) Perylene-d12	15.515	264	212254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	727995	104.728	ng	0.00
7) Phenol-d6	6.498	99	837047	94.576	ng	0.00
23) Nitrobenzene-d5	7.434	82	556905	78.656	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	258384	111.812	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1021571	85.291	ng	-0.01
79) Terphenyl-d14	12.980	244	1319807	61.383	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	342983	20.686	ng	99
72) Anthracene	11.469	178	94213	5.664	ng	99
73) Carbazole	11.627	167	28870	2.012	ng	94
75) Fluoranthene	12.610	202	717968	40.821	ng	99
78) Pyrene	12.839	202	661927	24.072	ng	98
81) Benzo(a)anthracene	14.027	228	394783	18.925	ng	95
83) Chrysene	14.063	228	311853	16.492	ng	96
84) Bis(2-ethylhexyl)phtha...	14.015	149	102882	6.933	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.004	276	136796	9.963	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	327231m	22.495	ng	
89) Benzo(k)fluoranthene	15.098	252	119682m	9.614	ng	
90) Benzo(a)pyrene	15.451	252	215459	18.929	ng	# 92
91) Dibenzo(a,h)anthracene	17.009	278	33040	2.917	ng	# 76
92) Benzo(g,h,i)perylene	17.451	276	145375	12.986	ng	98

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

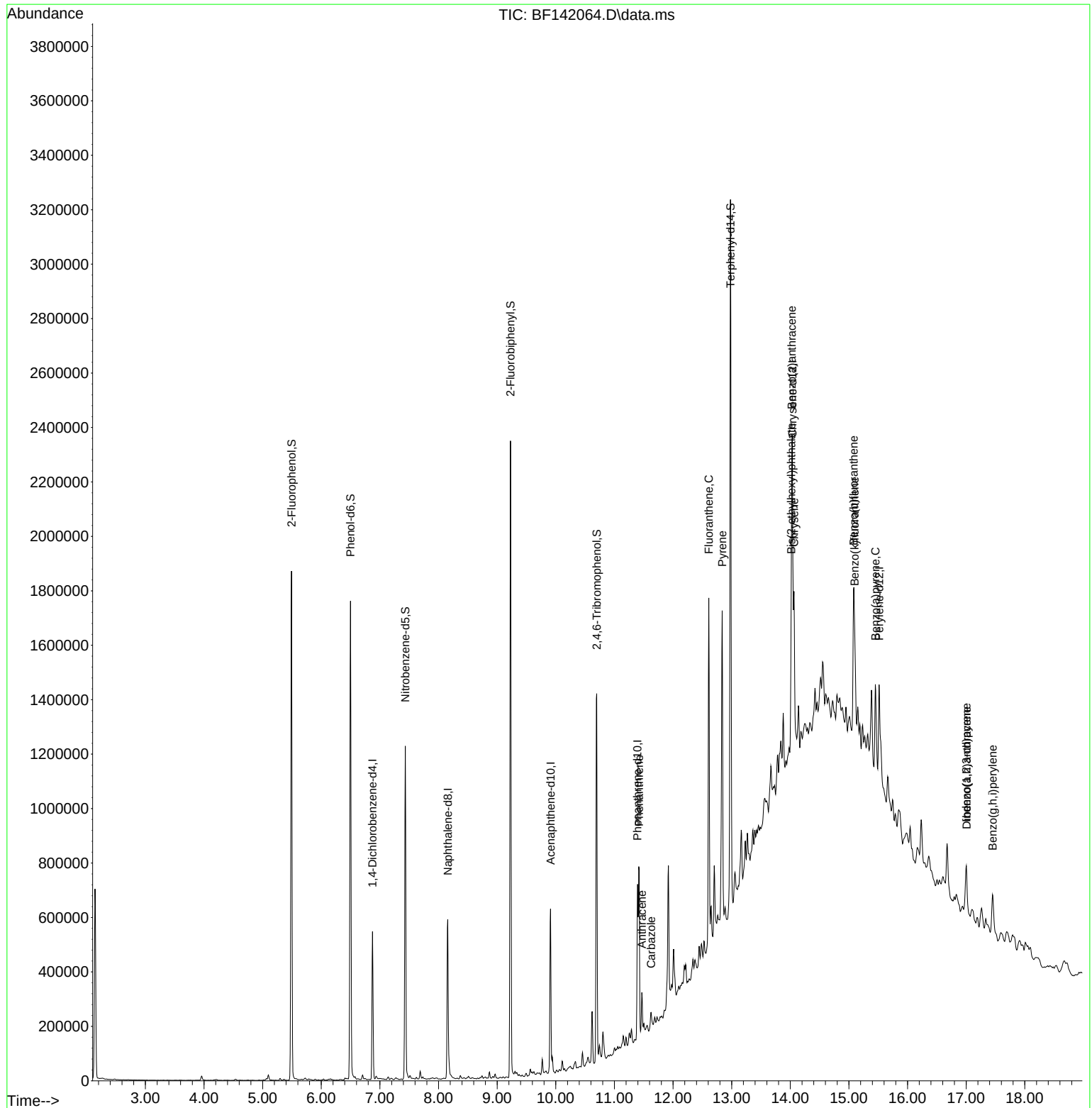
Data Path : T:\svoasrv\HPCHEM1\BNA_F\Data\BF032425\
Data File : BF142064.D
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ALS Vial : 22 Sample Multiplier: 1

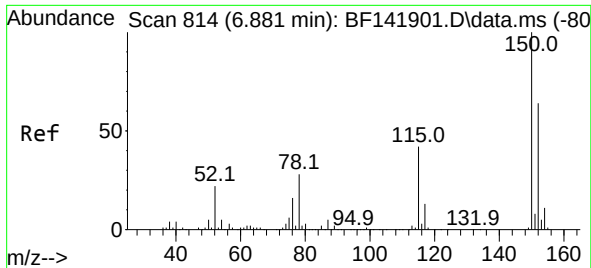
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Quant Time: Mar 24 21:02:08 2025
Quant Method : T:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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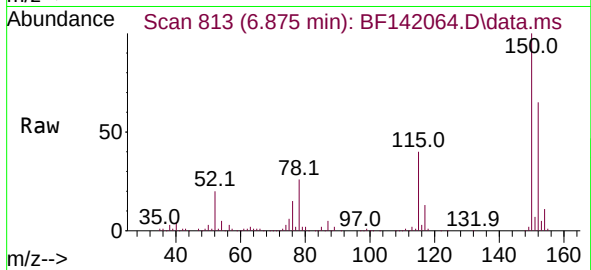
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

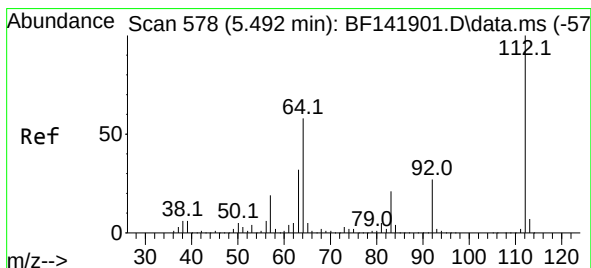
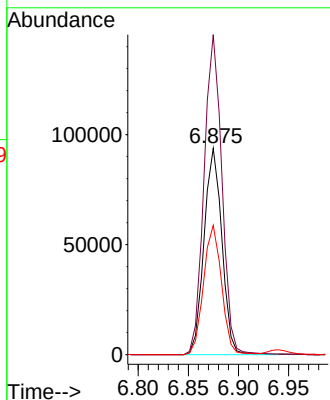
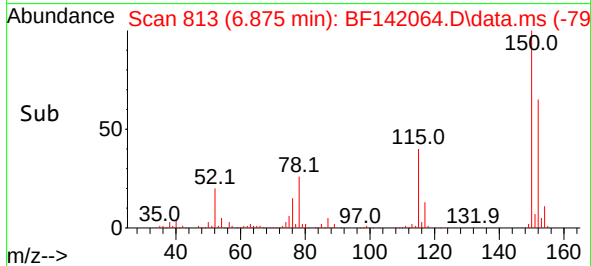
Instrument :
BNA_F
ClientSampleId :
CO-32-1



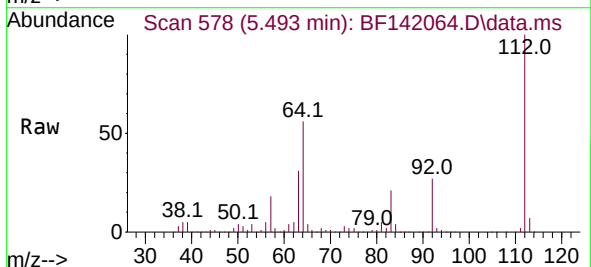
Tgt Ion:152 Resp: 116014
Ion Ratio Lower Upper
152 100
150 155.0 127.4 191.2
115 62.6 51.9 77.9

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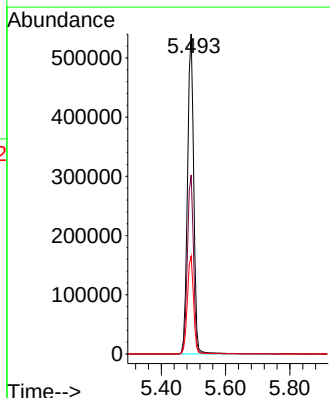
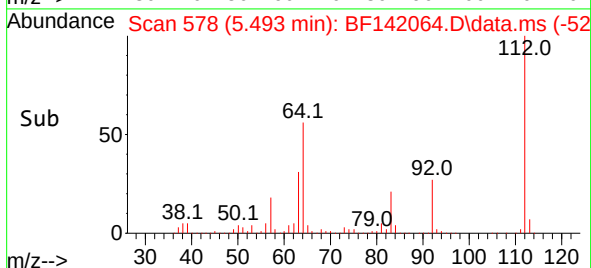
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Supervised By :Jagrut Upadhyay 03/25/2025

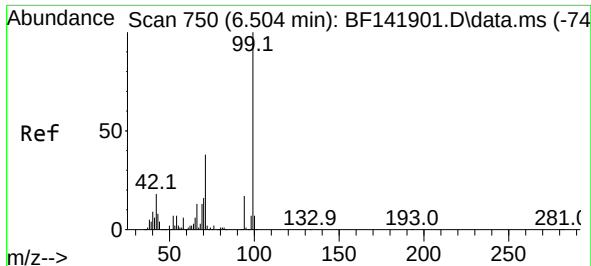


#5
2-Fluorophenol
Concen: 104.728 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53



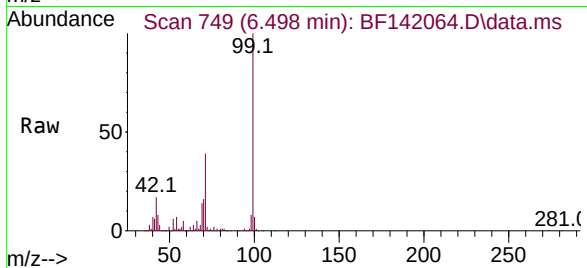
Tgt Ion:112 Resp: 727995
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 30.5 25.4 38.2





#7
Phenol-d6
Concen: 94.576 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

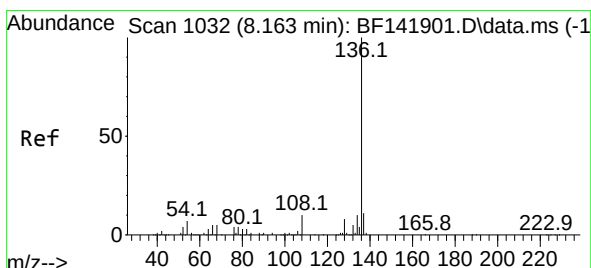
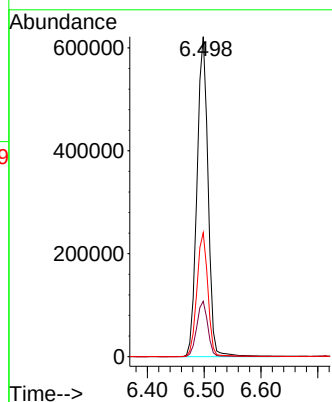
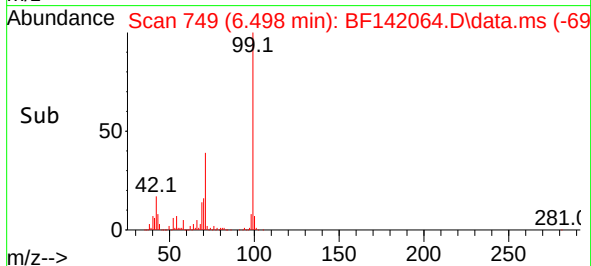
Instrument :
BNA_F
ClientSampleId :
CO-32-1



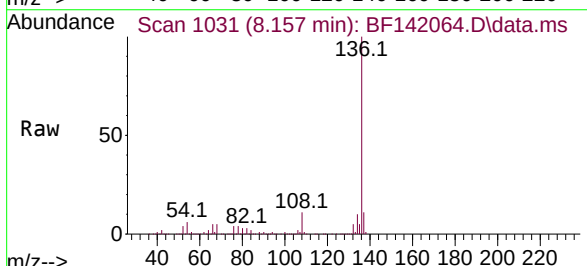
Tgt Ion: 99 Resp: 83704
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 38.7 30.8 46.2

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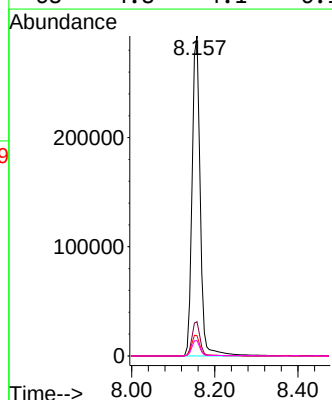
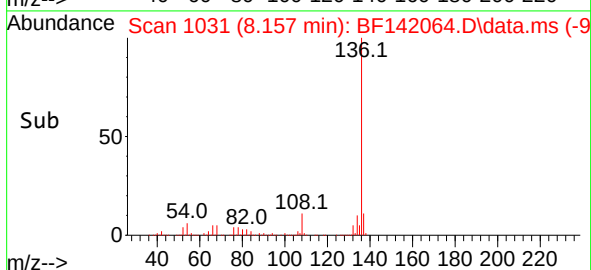
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025

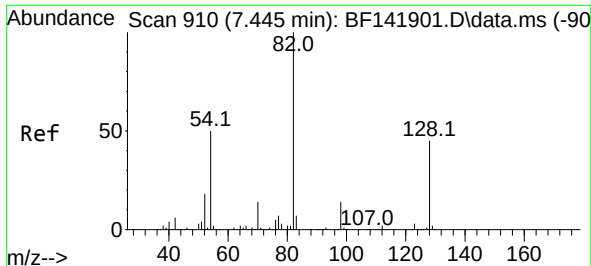


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53



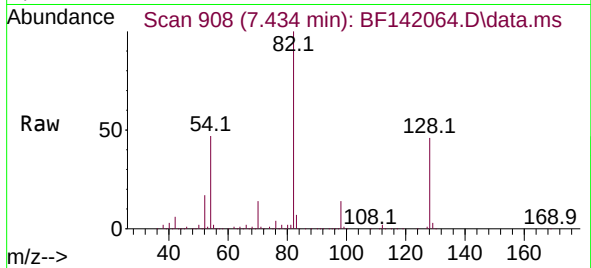
Tgt Ion:136 Resp: 398449
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.3 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 78.656 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

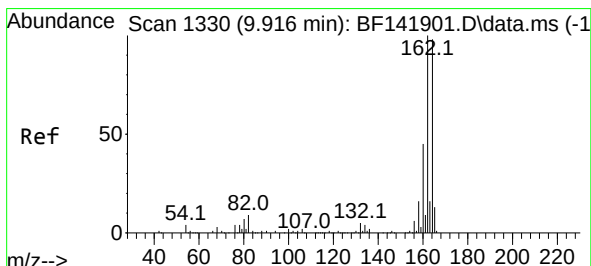
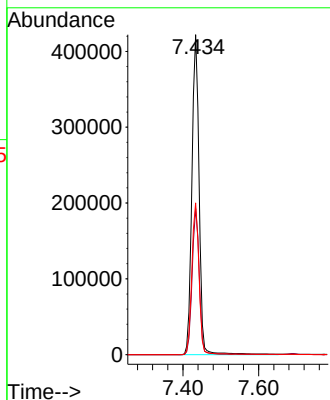
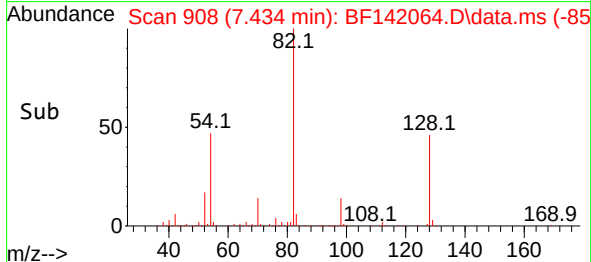
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 556905
Ion Ratio Lower Upper
82 100
128 45.6 36.0 54.0
54 47.4 39.6 59.4

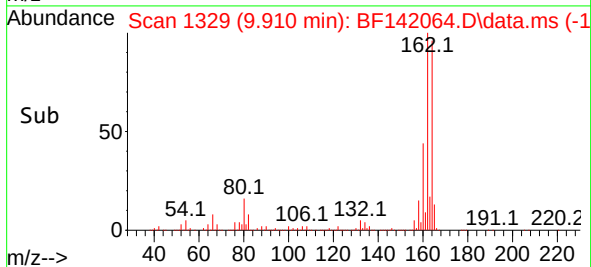
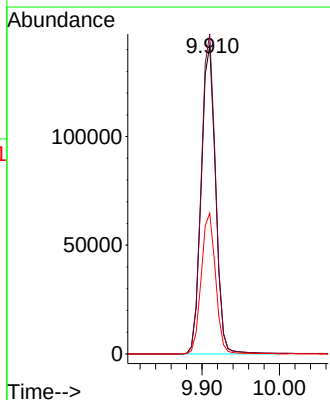
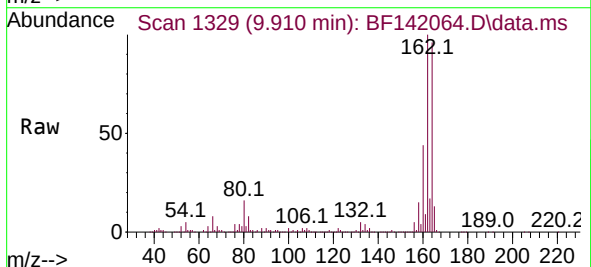
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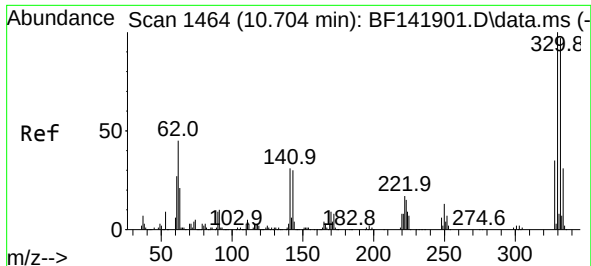
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

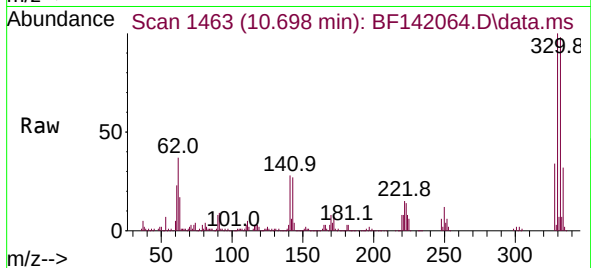
Tgt Ion:164 Resp: 182155
Ion Ratio Lower Upper
164 100
162 103.8 81.8 122.6
160 45.7 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 111.812 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

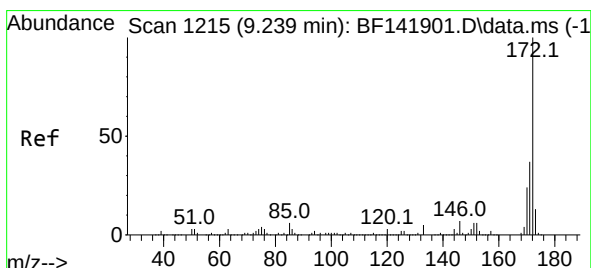
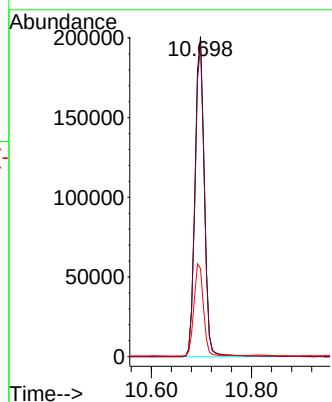
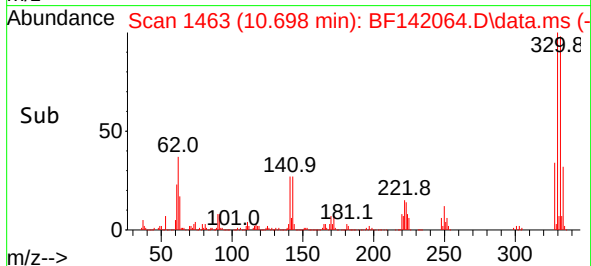
Instrument :
BNA_F
ClientSampleId :
CO-32-1



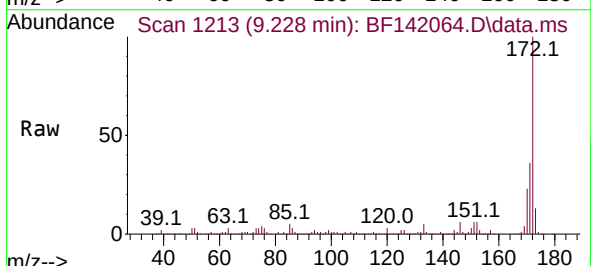
Tgt Ion:330 Resp: 258384
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 29.6 24.7 37.1

Manual Integrations
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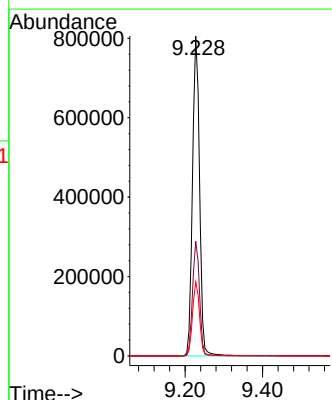
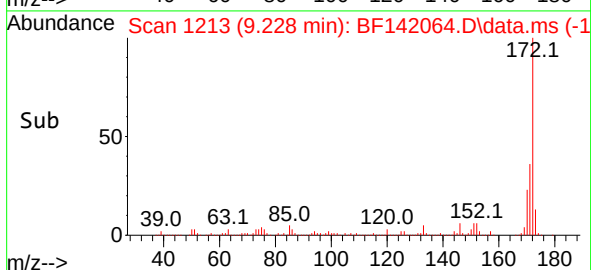
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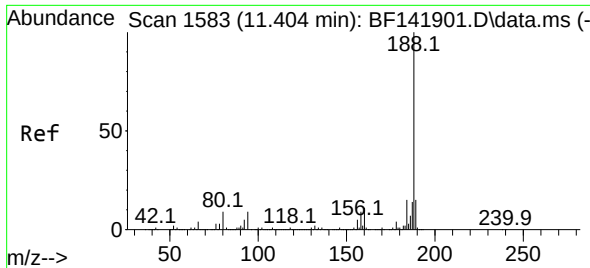


#45
2-Fluorobiphenyl
Concen: 85.291 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53



Tgt Ion:172 Resp: 1021571
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 23.1 19.4 29.0





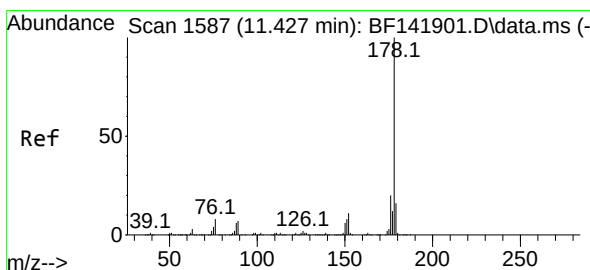
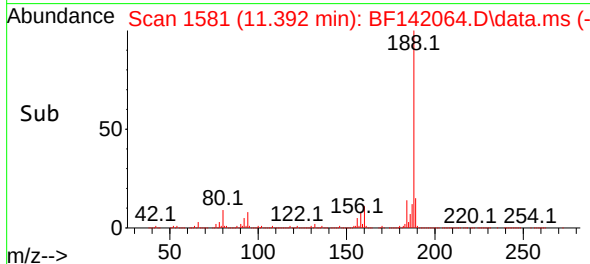
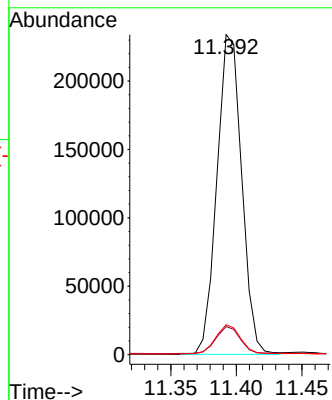
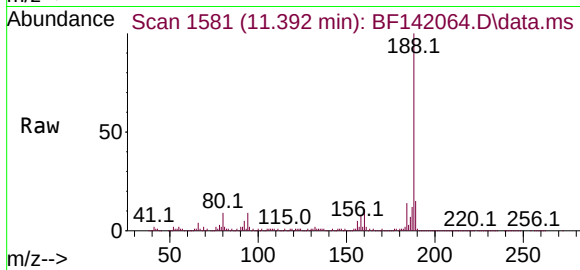
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion:188 Resp: 306975
Ion Ratio Lower Upper
188 100
94 8.8 6.8 10.2
80 9.3 7.6 11.4

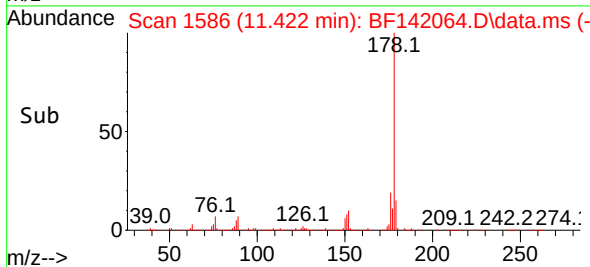
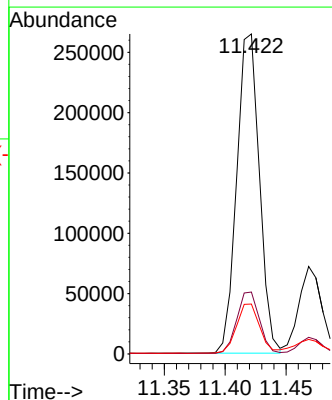
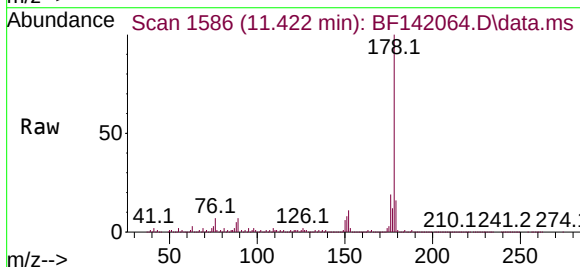
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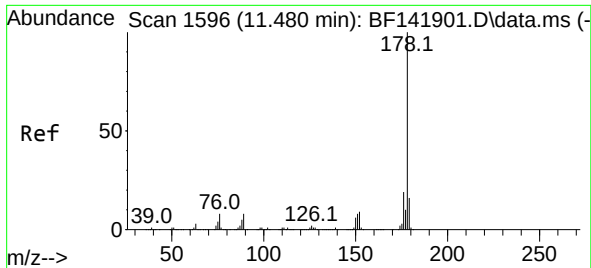
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#71
Phenanthrene
Concen: 20.686 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

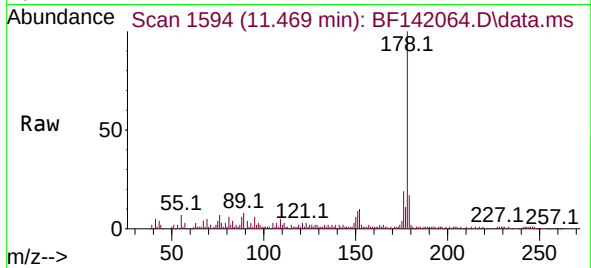
Tgt Ion:178 Resp: 342983
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.6 12.6 19.0





#72
 Anthracene
 Concen: 5.664 ng
 RT: 11.469 min Scan# 1146
 Delta R.T. -0.012 min
 Lab File: BF142064.D
 Acq: 24 Mar 2025 19:53

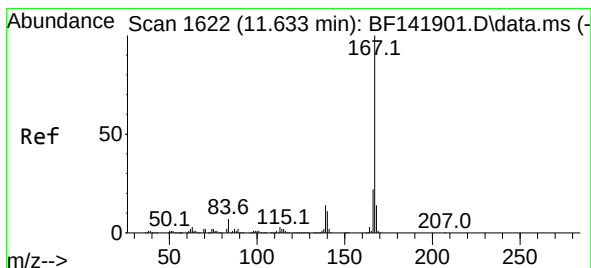
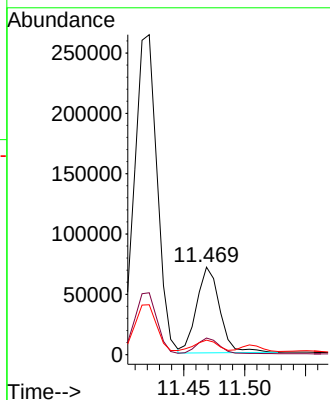
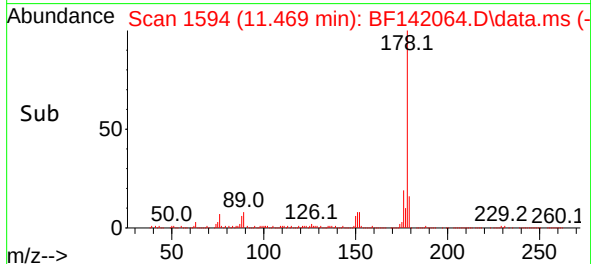
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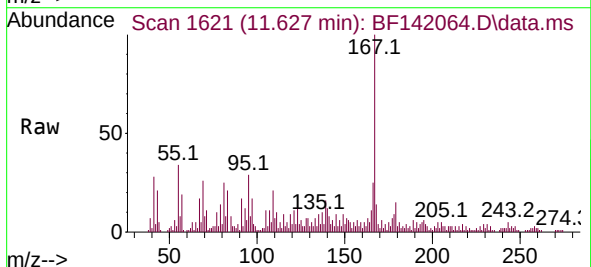
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 Ion Ratio Lower Upper
 178 100
 176 19.0 15.1 22.7
 179 16.6 12.6 19.0

Manual Integrations
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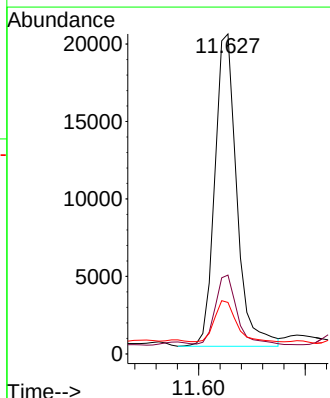
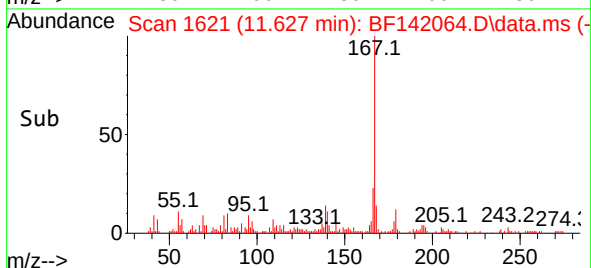
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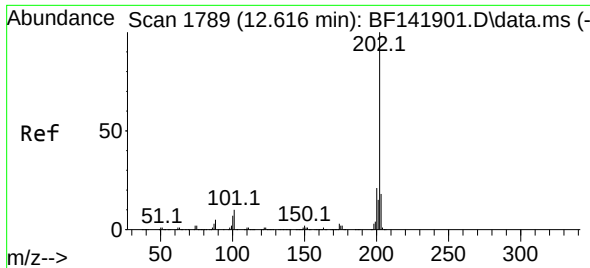


#73
 Carbazole
 Concen: 2.012 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF142064.D
 Acq: 24 Mar 2025 19:53



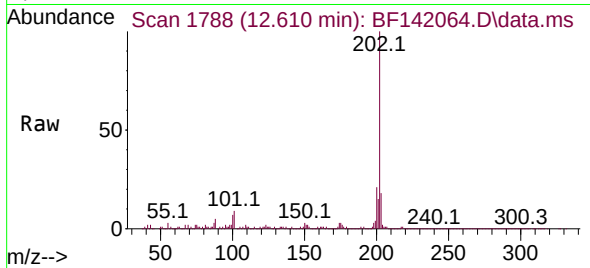
Tgt Ion:167 Resp: 28870
 Ion Ratio Lower Upper
 167 100
 166 24.6 17.4 26.2
 139 16.1 11.0 16.6





#75
Fluoranthene
Concen: 40.821 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

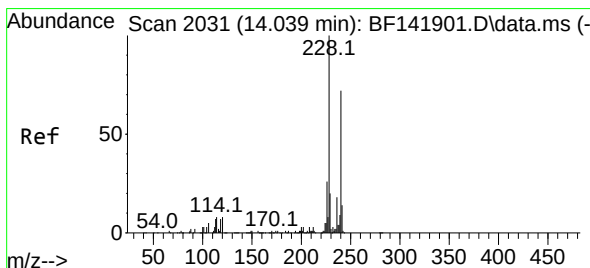
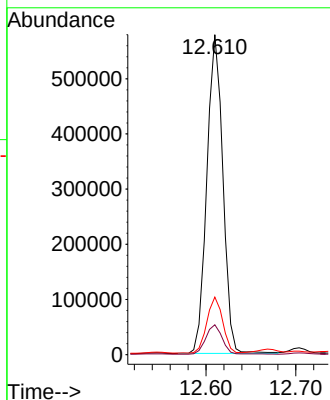
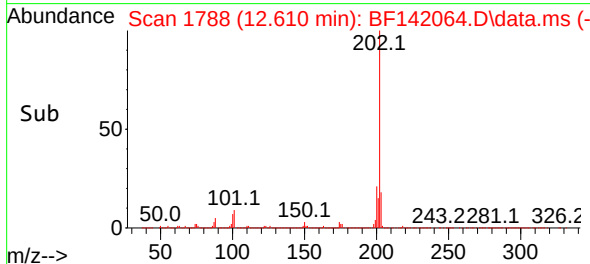
Instrument :
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CO-32-1



Tgt Ion:202 Resp: 717968
Ion Ratio Lower Upper
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101 9.3 0.0 29.7
203 18.0 0.0 37.8

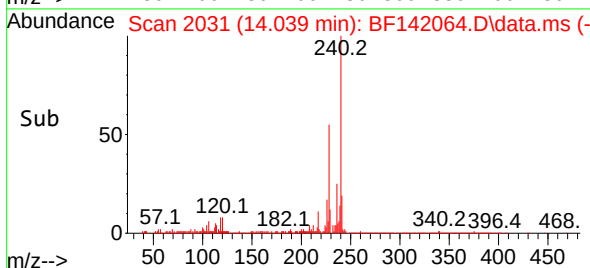
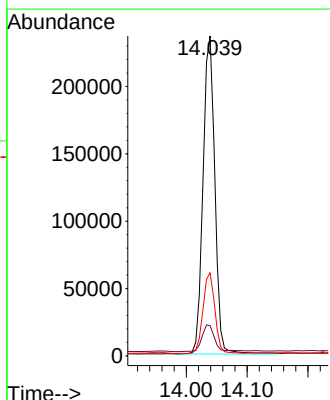
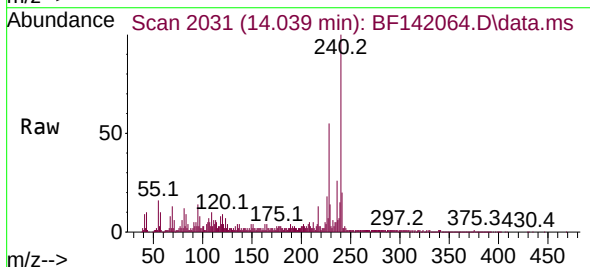
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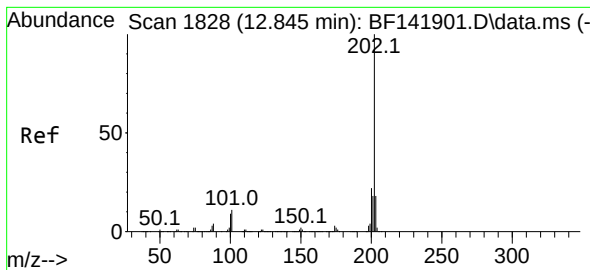
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

Tgt Ion:240 Resp: 317887
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 26.0 20.5 30.7





#78

Pyrene

Concen: 24.072 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

CO-32-1

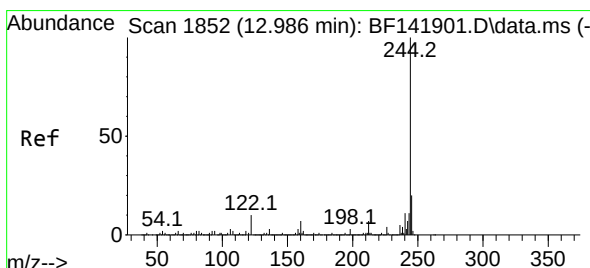
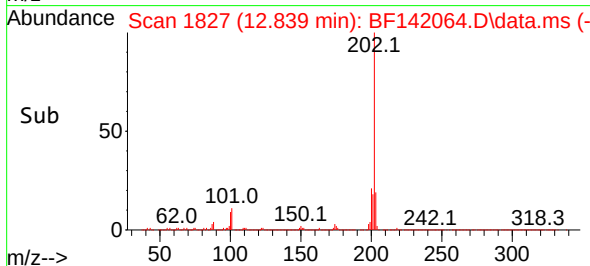
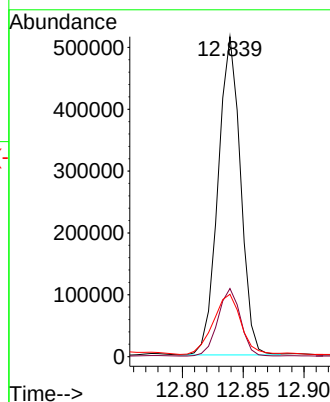
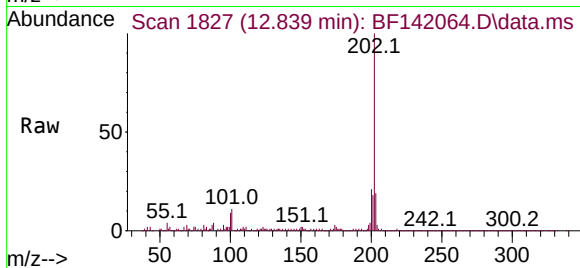
Tgt Ion:	202	Resp:	66192
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.3	25.9
203	19.5	14.4	21.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/25/2025

Supervised By :Jagrut Upadhyay 03/25/2025



#79

Terphenyl-d14

Concen: 61.383 ng

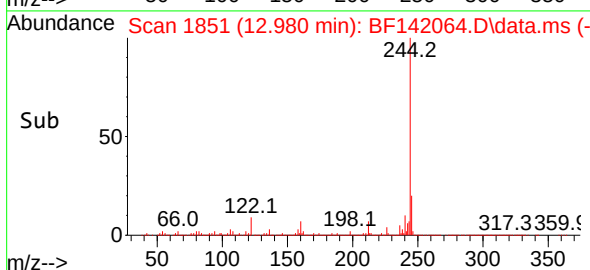
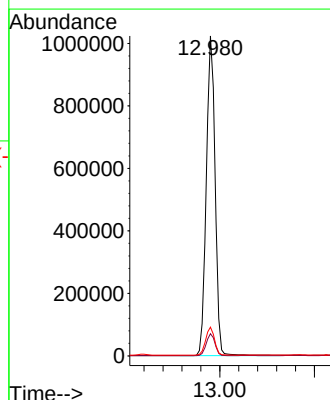
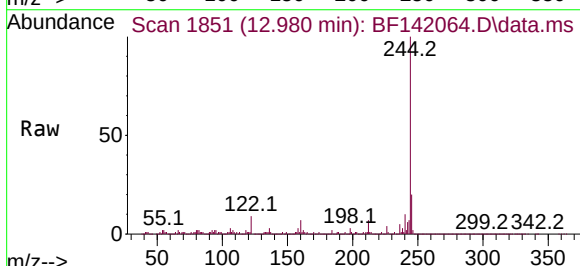
RT: 12.980 min Scan# 1851

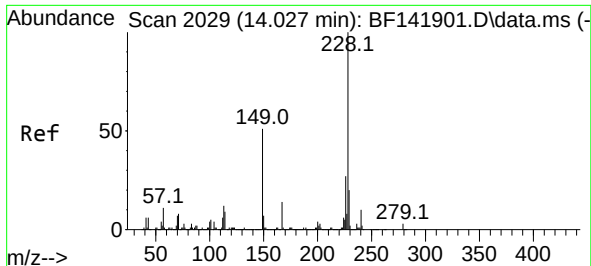
Delta R.T. -0.006 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

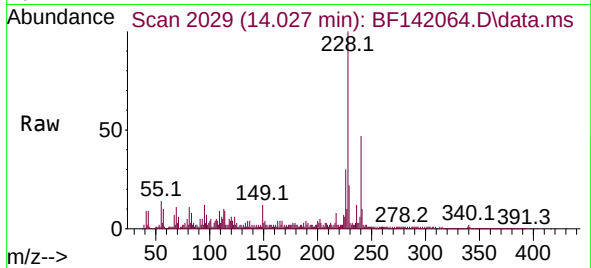
Tgt Ion:	244	Resp:	1319807
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	9.0	7.7	11.5





#81
Benzo(a)anthracene
Concen: 18.925 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

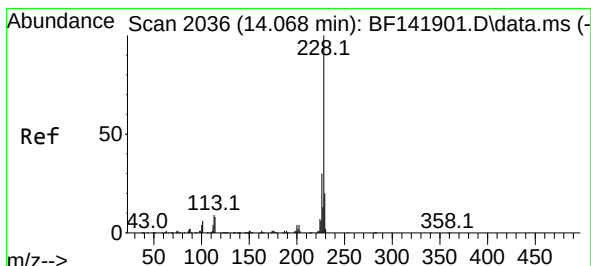
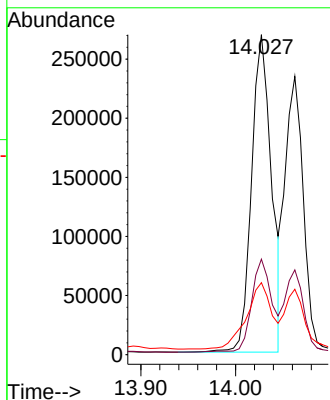
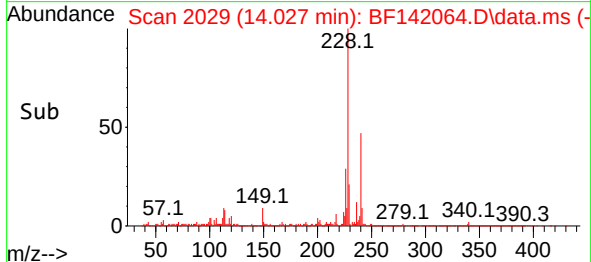
Instrument :
BNA_F
ClientSampleId :
CO-32-1



Tgt Ion:228 Resp: 394783
Ion Ratio Lower Upper
228 100
226 29.8 21.8 32.8
229 22.5 16.0 24.0

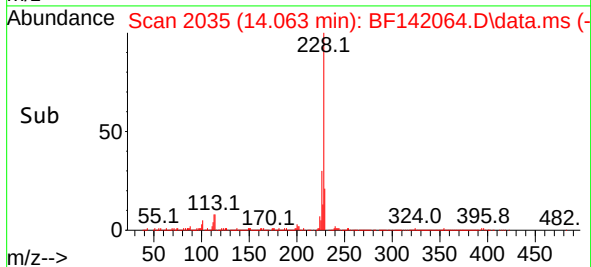
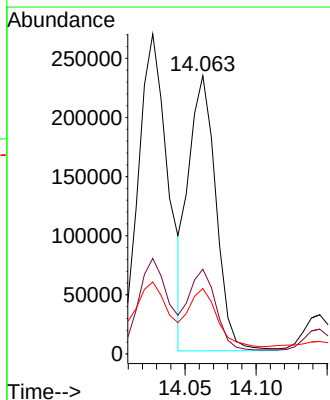
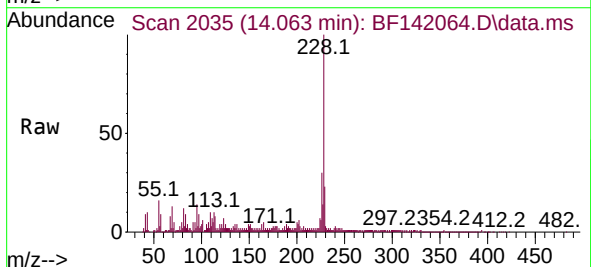
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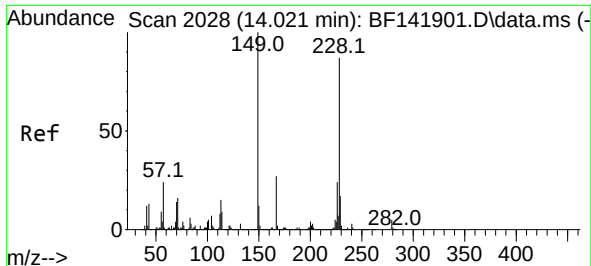
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#83
Chrysene
Concen: 16.492 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

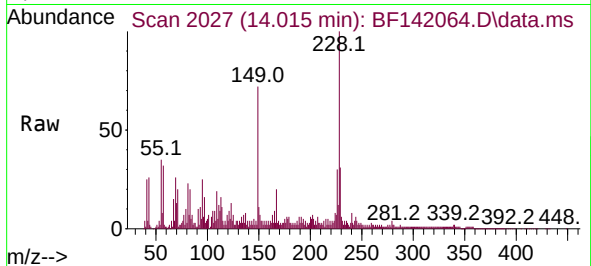
Tgt Ion:228 Resp: 311853
Ion Ratio Lower Upper
228 100
226 30.4 24.1 36.1
229 23.5 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 6.933 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

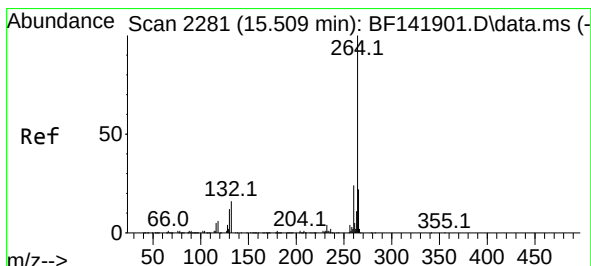
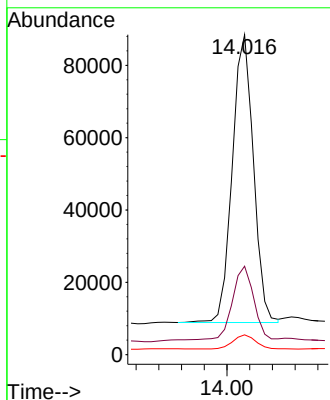
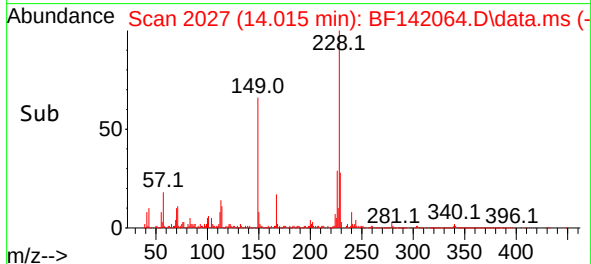
Instrument :
BNA_F
ClientSampleId :
CO-32-1



Tgt Ion:149 Resp: 102882
Ion Ratio Lower Upper
149 100
167 27.6 21.4 32.0
279 6.2 3.8 5.6

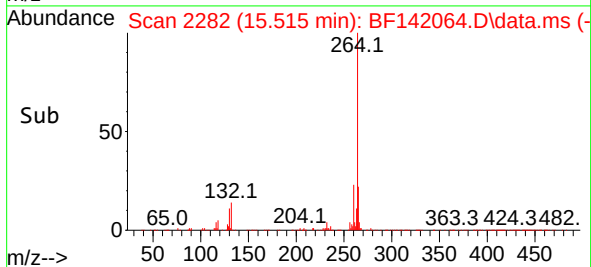
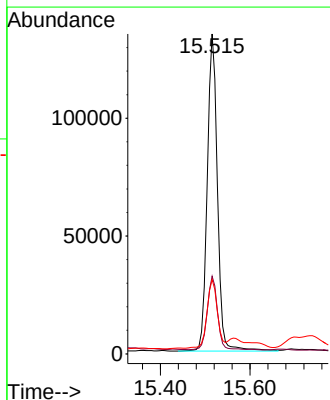
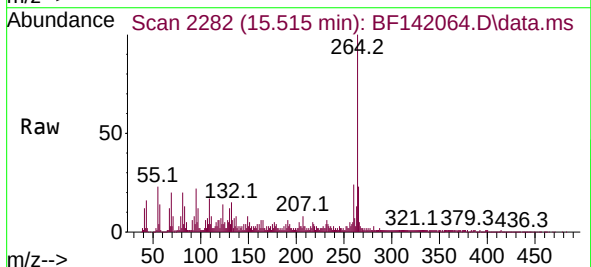
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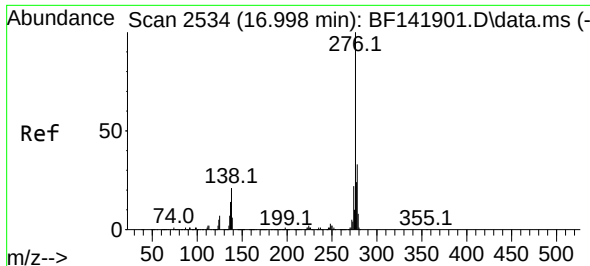
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2282
Delta R.T. 0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

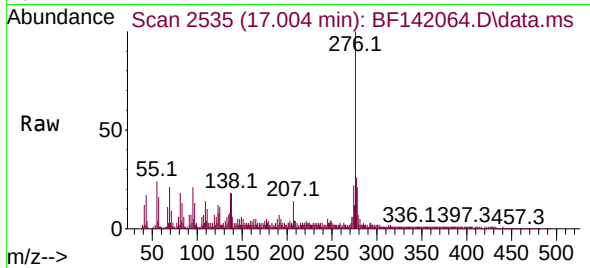
Tgt Ion:264 Resp: 212254
Ion Ratio Lower Upper
264 100
260 24.3 19.1 28.7
265 23.2 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.963 ng
RT: 17.004 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53

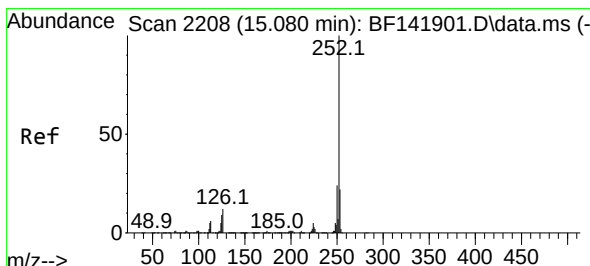
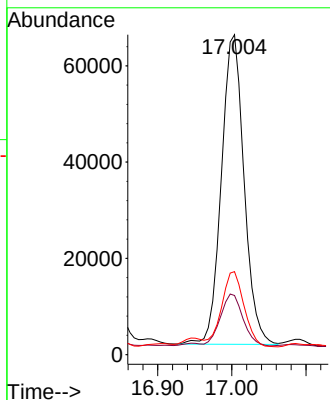
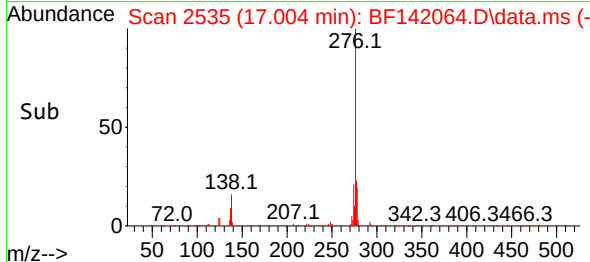
Instrument :
BNA_F
ClientSampleId :
CO-32-1



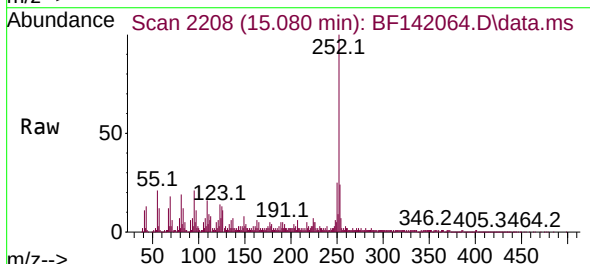
Tgt Ion:276 Resp: 136796
Ion Ratio Lower Upper
276 100
138 16.6 18.4 27.6
277 24.0 20.3 30.5

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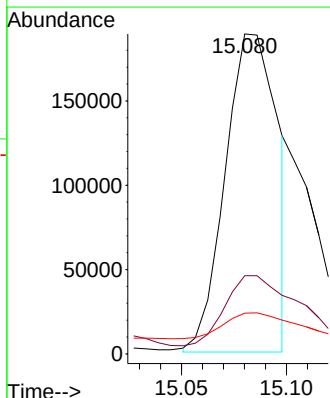
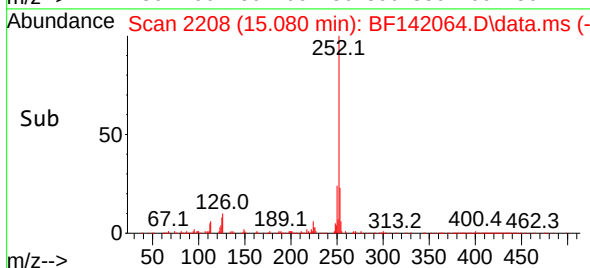
Reviewed By :Anahy Claudio 03/25/2025
Supervised By :Jagrut Upadhyay 03/25/2025

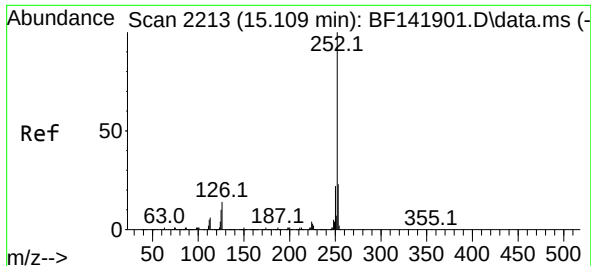


#88
Benzo(b)fluoranthene
Concen: 22.495 ng m
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF142064.D
Acq: 24 Mar 2025 19:53



Tgt Ion:252 Resp: 327231
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 12.7 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 9.614 ng m

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

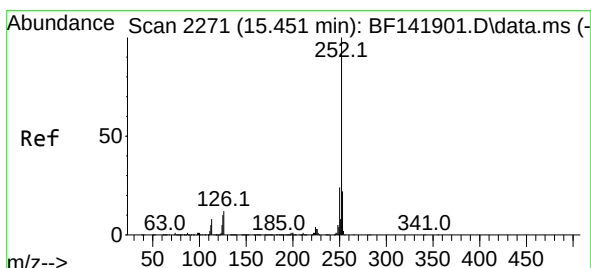
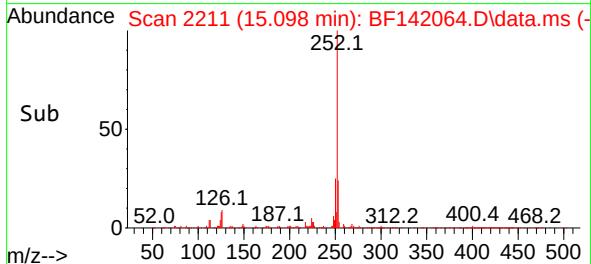
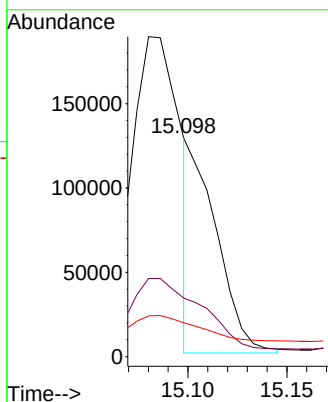
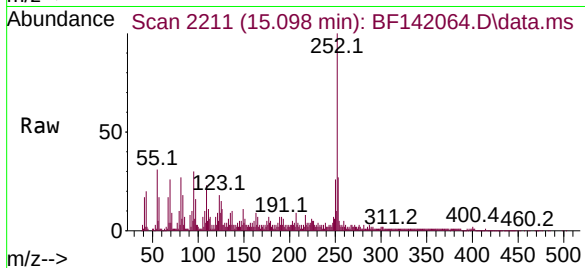
CO-32-1

Tgt Ion:252 Resp: 119682
 Ion Ratio Lower Upper
 252 100
 253 26.8 17.7 26.5
 125 15.5 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/25/2025
 Supervised By :Jagrut Upadhyay 03/25/2025



#90

Benzo(a)pyrene

Concen: 18.929 ng

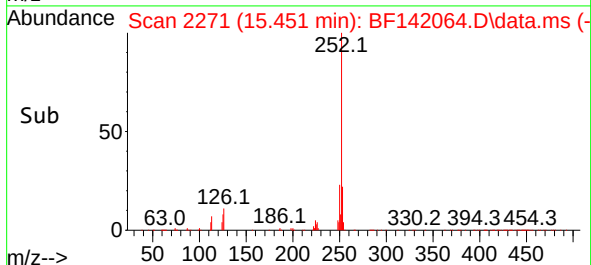
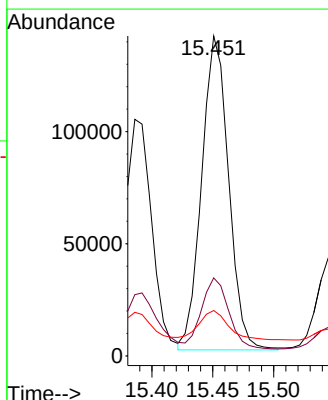
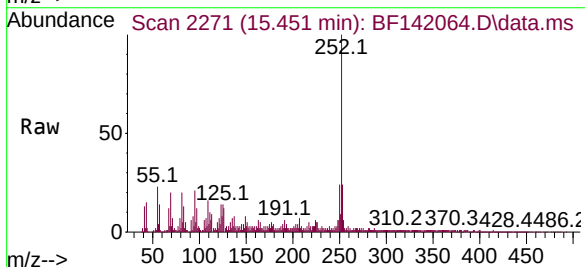
RT: 15.451 min Scan# 2271

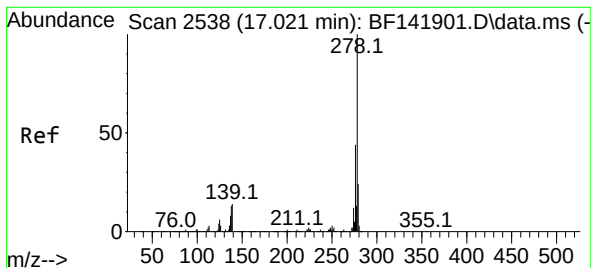
Delta R.T. 0.000 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Tgt Ion:252 Resp: 215459
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.4 26.0
 125 14.2 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 2.917 ng

RT: 17.009 min Scan# 2538

Delta R.T. -0.012 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Instrument :

BNA_F

ClientSampleId :

CO-32-1

Tgt Ion: 278 Resp: 33040

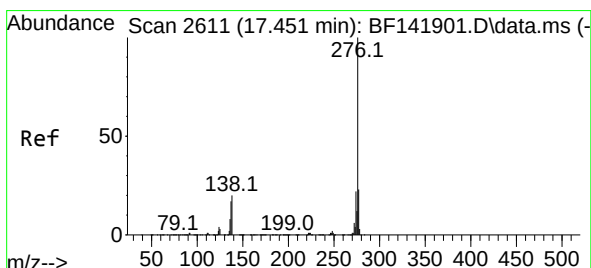
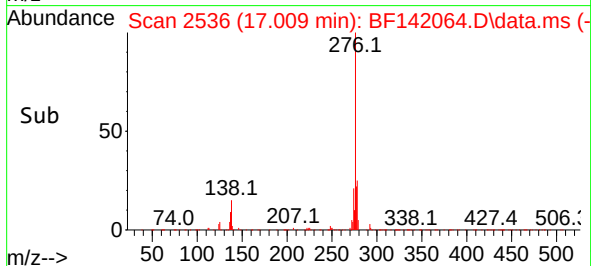
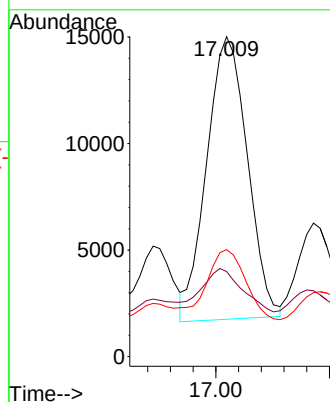
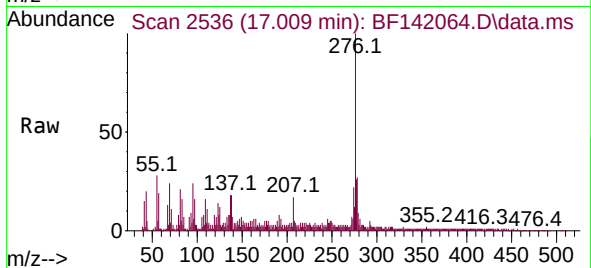
Ion	Ratio	Lower	Upper
278	100		
139	26.6	11.4	17.2
279	33.4	18.8	28.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/25/2025

Supervised By :Jagrut Upadhyay 03/25/2025



#92

Benzo(g,h,i)perylene

Concen: 12.986 ng

RT: 17.451 min Scan# 2611

Delta R.T. 0.000 min

Lab File: BF142064.D

Acq: 24 Mar 2025 19:53

Tgt Ion: 276 Resp: 145375

Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.7	28.1
138	19.8	15.8	23.8

