

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142144.D
 Acq On : 28 Mar 2025 00:38
 Operator : RC/JU
 Sample : Q1648-09 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 28 01:59:31 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	142225	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	566841	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	306944	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	466012	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	287886	20.000	ng	0.00
86) Perylene-d12	15.509	264	309269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	200276	23.502	ng	-0.02
7) Phenol-d6	6.487	99	264151	24.345	ng	-0.02
23) Nitrobenzene-d5	7.428	82	175319	17.406	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	59660	15.321	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	361818	17.927	ng	-0.02
79) Terphenyl-d14	12.974	244	300024	15.408	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	47675	2.630	ng	99
58) Fluorene	10.451	166	43286	2.167	ng	# 99
71) Phenanthrene	11.416	178	694285	27.583	ng	99
72) Anthracene	11.469	178	156317	6.190	ng	99
75) Fluoranthene	12.604	202	729925	27.338	ng	100
78) Pyrene	12.833	202	616962	24.775	ng	98
81) Benzo(a)anthracene	14.021	228	245319	12.986	ng	99
83) Chrysene	14.057	228	202945	11.851	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	94645	4.731	ng	94
88) Benzo(b)fluoranthene	15.074	252	260014m	12.267	ng	
89) Benzo(k)fluoranthene	15.092	252	90750m	5.003	ng	
90) Benzo(a)pyrene	15.445	252	198188	11.950	ng	98
92) Benzo(g,h,i)perylene	17.439	276	82702	5.070	ng	99

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

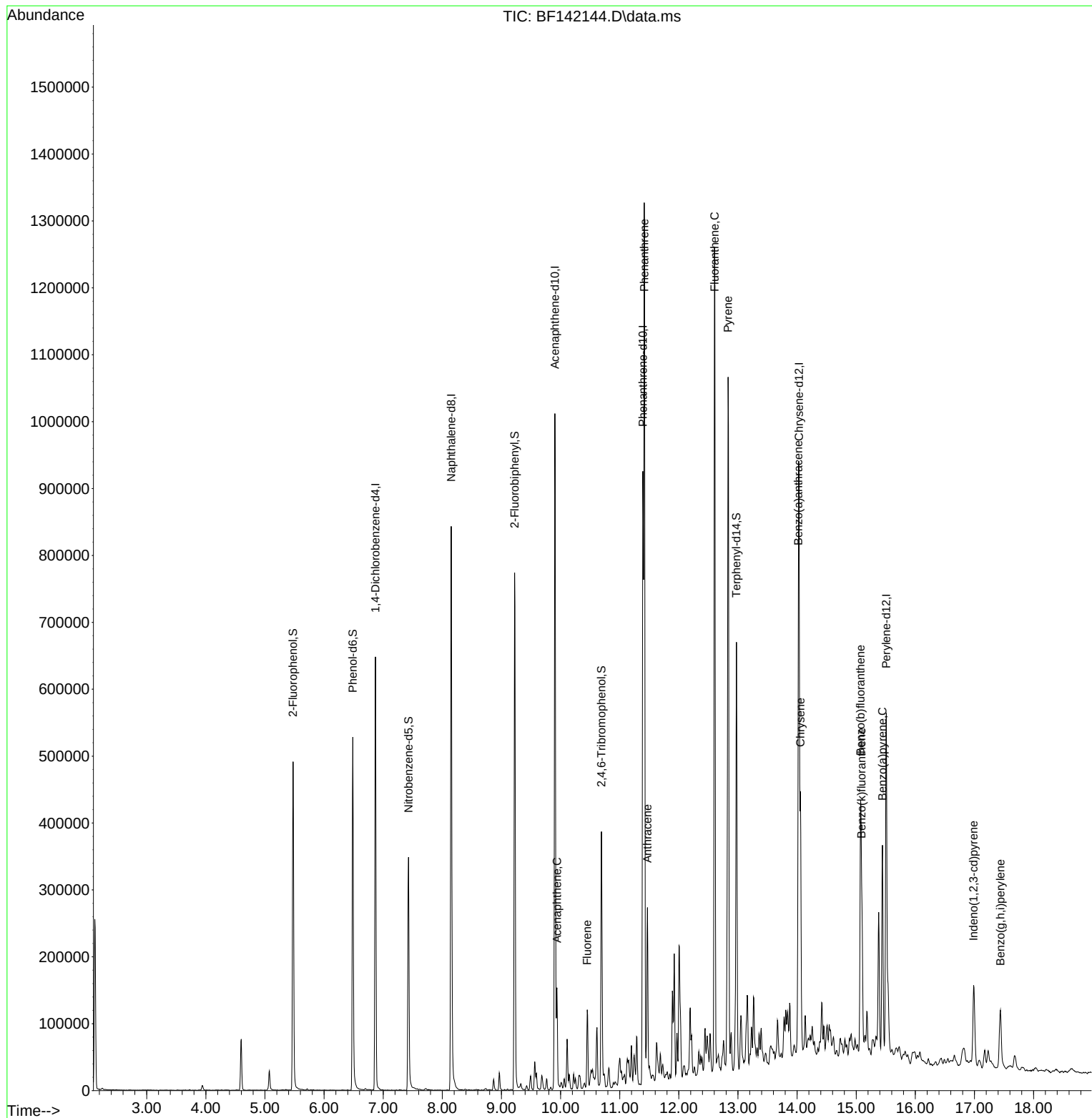
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
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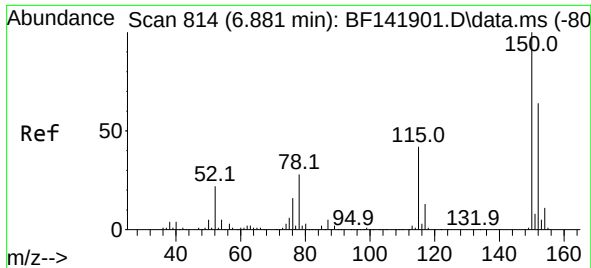
Instrument :
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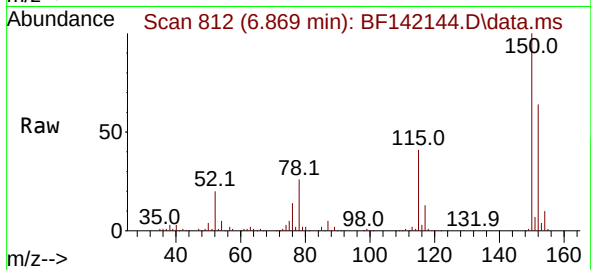
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

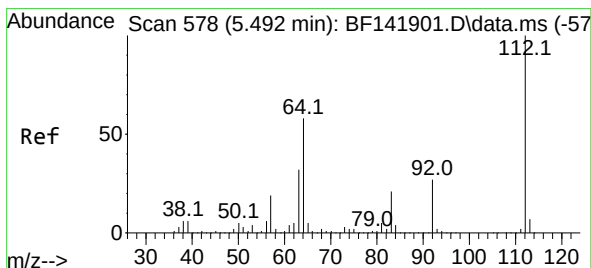
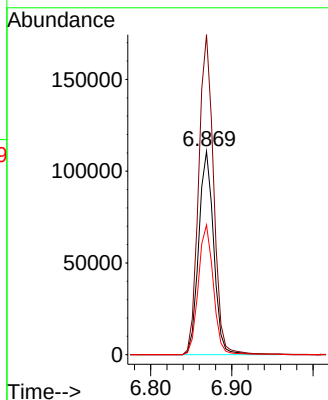
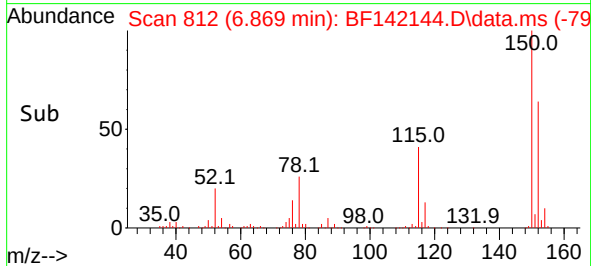
Instrument :
BNA_F
ClientSampleId :
TP-7



Tgt Ion:152 Resp: 142225
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.2
115 63.8 51.9 77.9

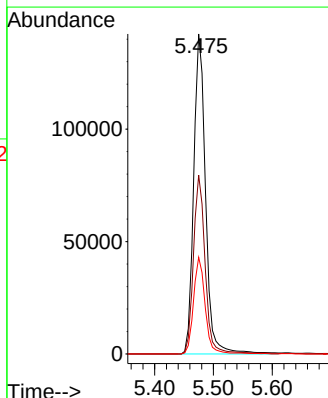
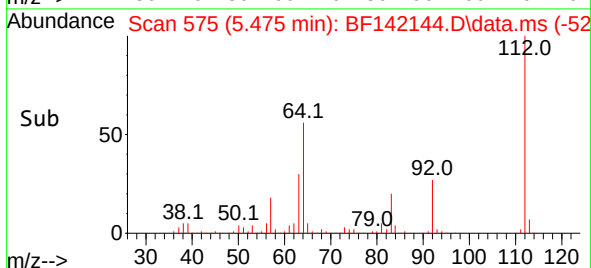
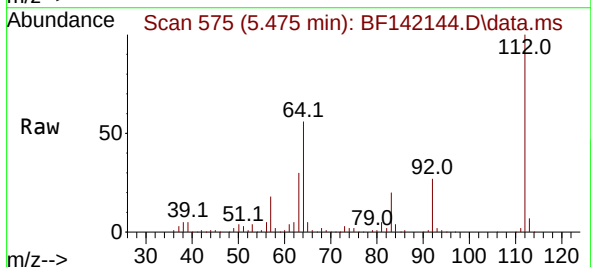
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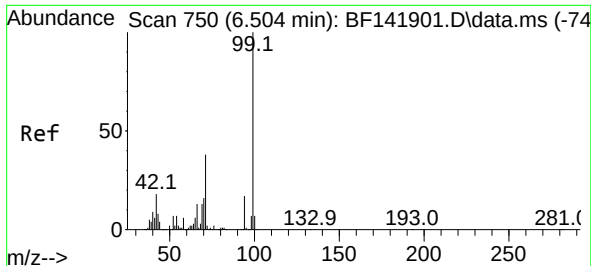
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 23.502 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

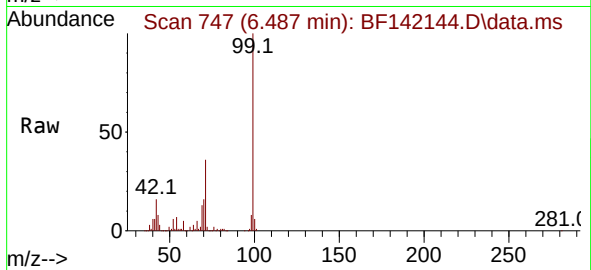
Tgt Ion:112 Resp: 200276
Ion Ratio Lower Upper
112 100
64 55.9 46.5 69.7
63 30.2 25.4 38.2





#7
Phenol-d6
Concen: 24.345 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

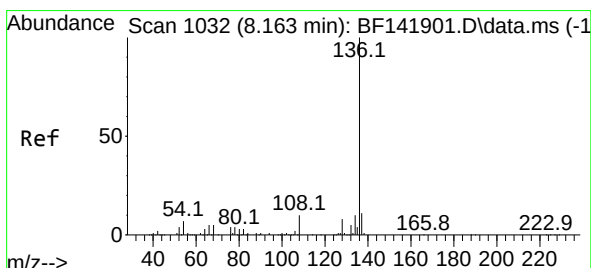
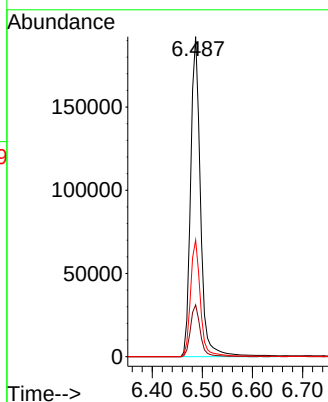
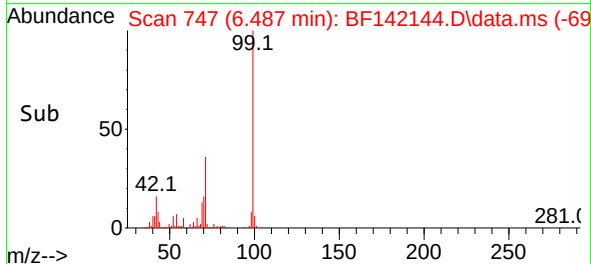
Instrument :
BNA_F
ClientSampleId :
TP-7



Tgt Ion: 99 Resp: 26415
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 36.4 30.8 46.2

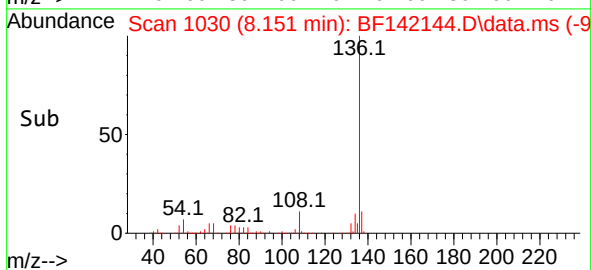
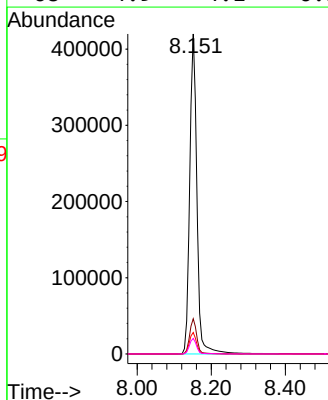
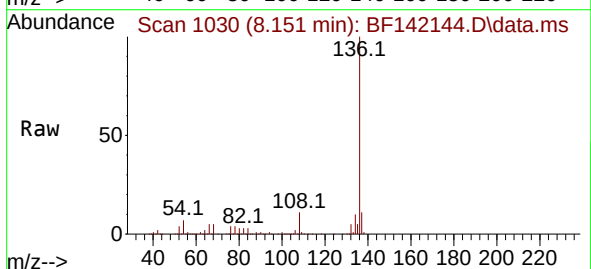
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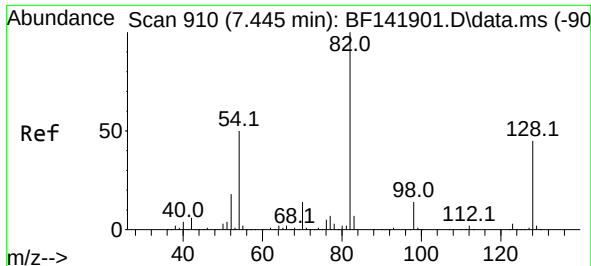
Reviewed By :Anahy Claudio 03/28/2025
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Tgt Ion:136 Resp: 566841
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.8 8.8
68 4.9 4.1 6.1





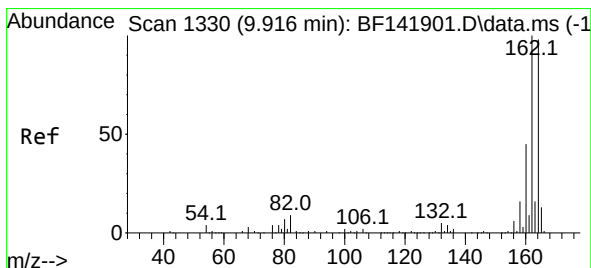
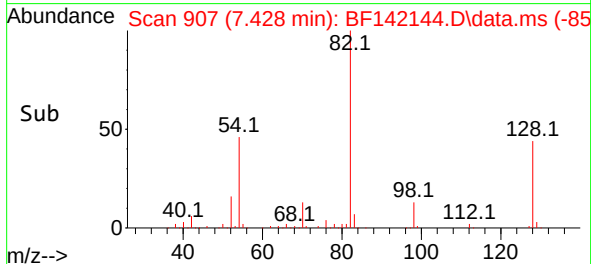
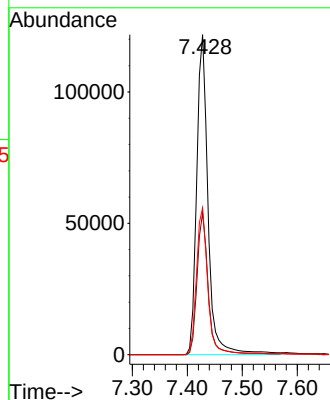
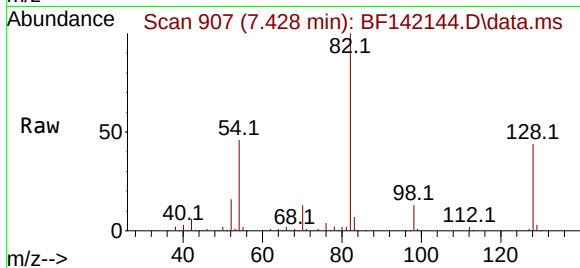
#23
Nitrobenzene-d5
Concen: 17.406 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 175319
Ion Ratio Lower Upper
82 100
128 44.3 36.0 54.0
54 45.9 39.6 59.4

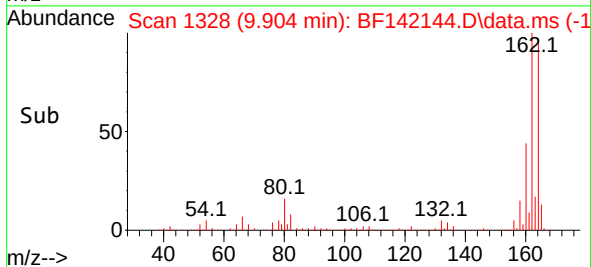
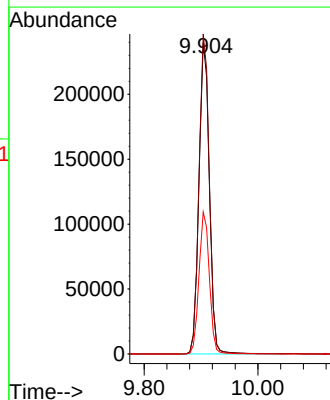
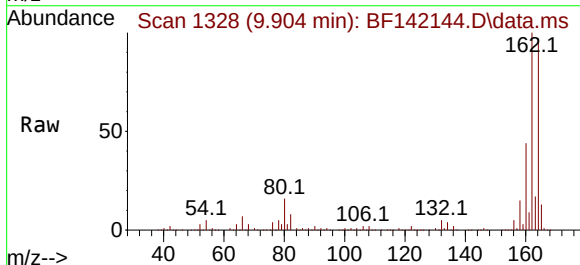
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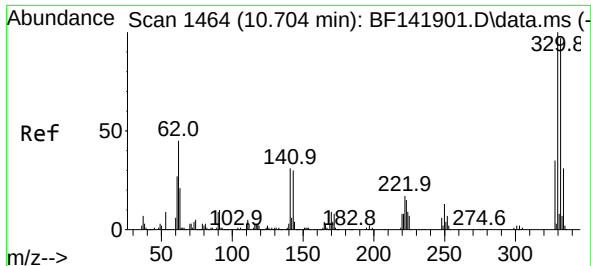
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

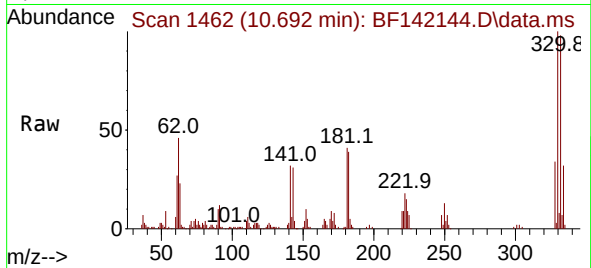
Tgt Ion:164 Resp: 306944
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.6 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 15.321 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

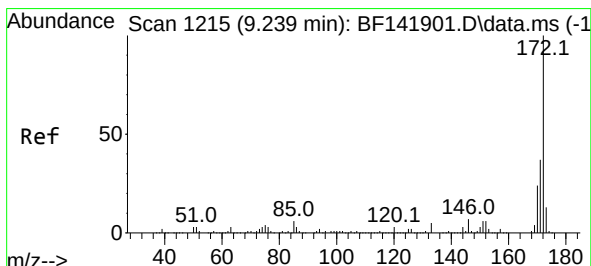
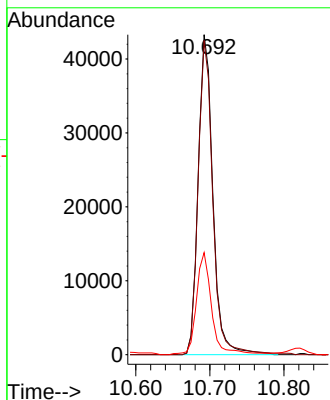
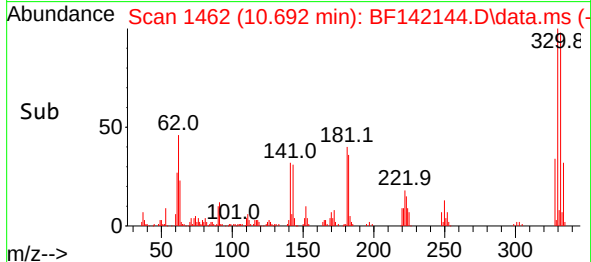
Instrument :
BNA_F
ClientSampleId :
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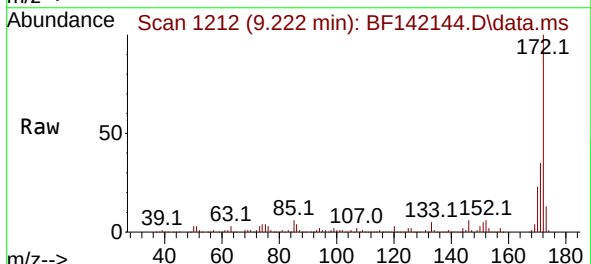
Tgt Ion: 330 Resp: 59660
Ion Ratio Lower Upper
330 100
332 98.1 77.6 116.4
141 33.2 24.7 37.1

Manual Integrations
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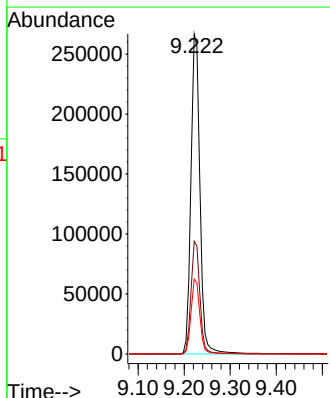
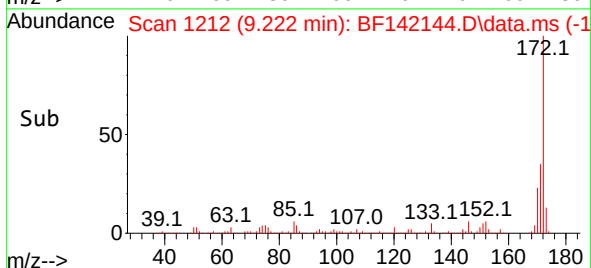
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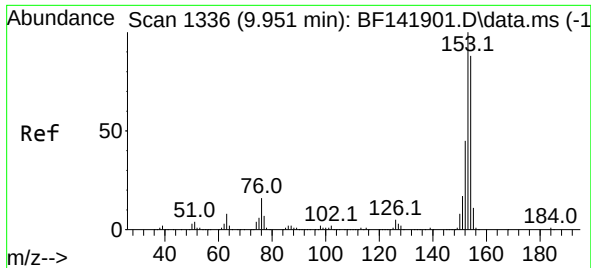


#45
2-Fluorobiphenyl
Concen: 17.927 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38



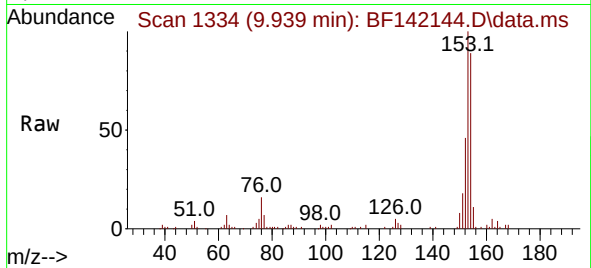
Tgt Ion: 172 Resp: 361818
Ion Ratio Lower Upper
172 100
171 35.2 29.3 43.9
170 23.4 19.4 29.0





#52
Acenaphthene
Concen: 2.630 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

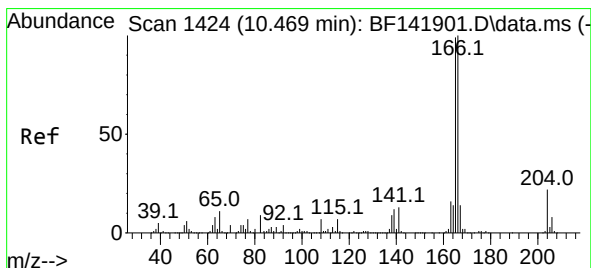
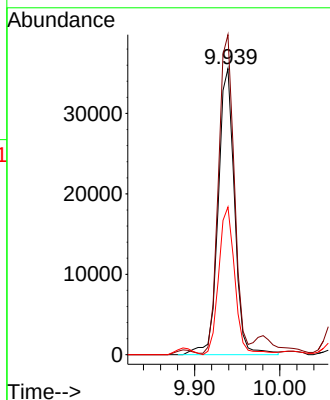
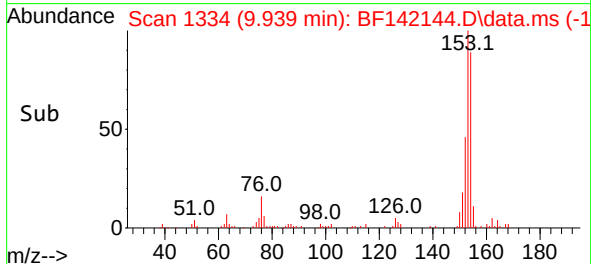
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ClientSampleId :
TP-7



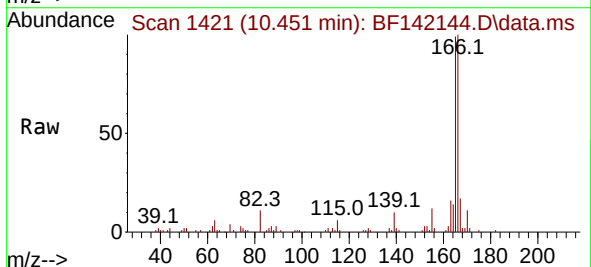
Tgt Ion:154 Resp: 47679
Ion Ratio Lower Upper
154 100
153 111.8 90.7 136.1
152 51.6 41.1 61.7

Manual Integrations
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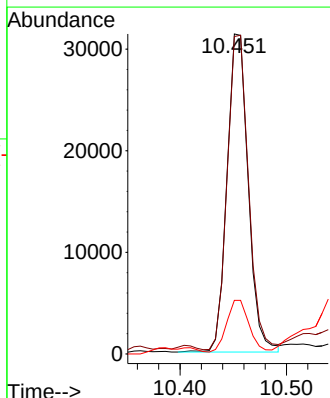
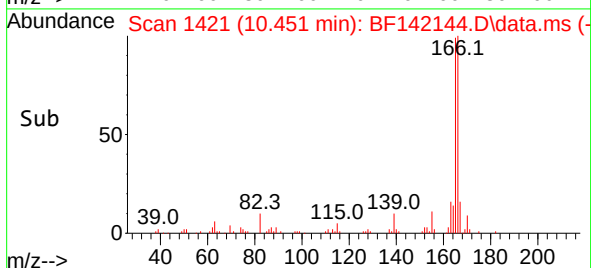
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

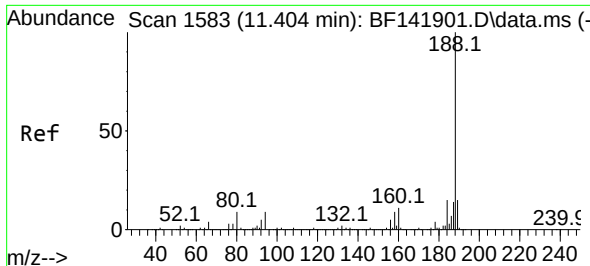


#58
Fluorene
Concen: 2.167 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38



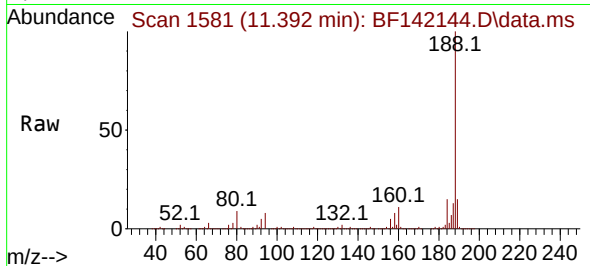
Tgt Ion:166 Resp: 43286
Ion Ratio Lower Upper
166 100
165 99.2 79.0 118.4
167 16.8 11.0 16.4#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

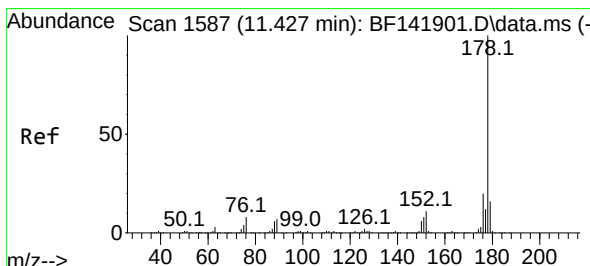
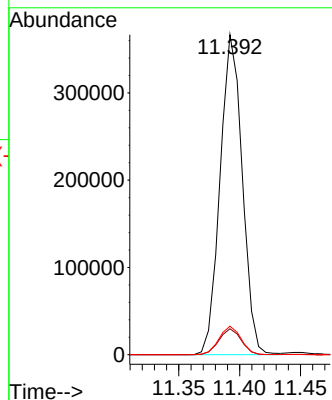
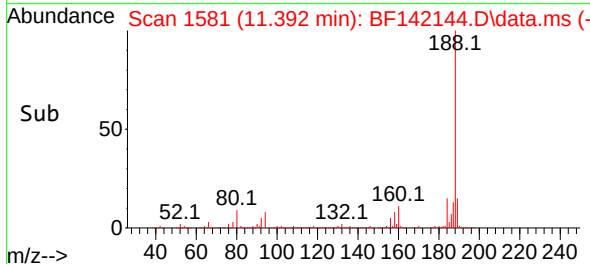
Instrument :
BNA_F
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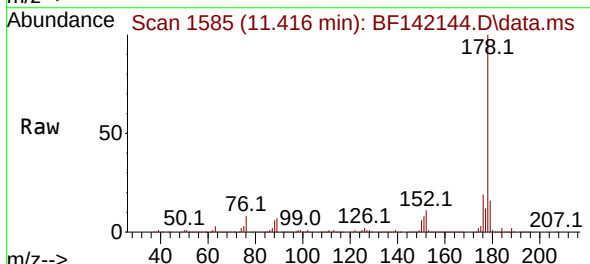
Tgt Ion:188 Resp: 466012
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.9 7.6 11.4

Manual Integrations
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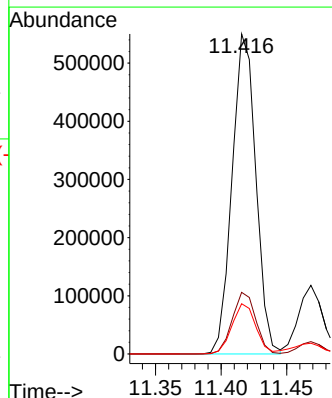
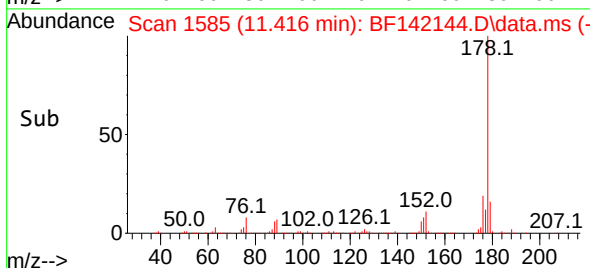
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

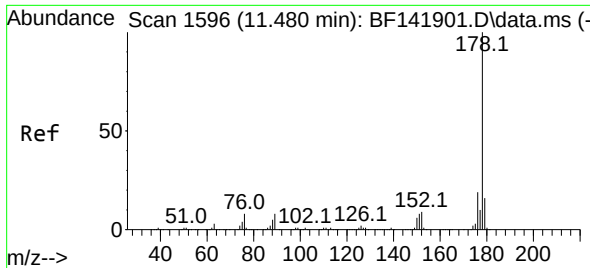


#71
Phenanthrene
Concen: 27.583 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38



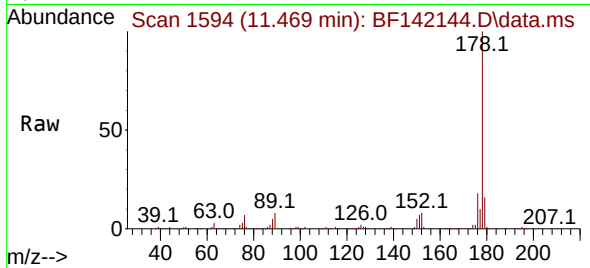
Tgt Ion:178 Resp: 694285
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.7 12.6 19.0





#72
 Anthracene
 Concen: 6.190 ng
 RT: 11.469 min Scan# 1594
 Delta R.T. -0.012 min
 Lab File: BF142144.D
 Acq: 28 Mar 2025 00:38

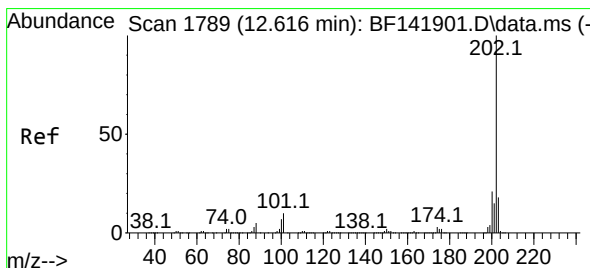
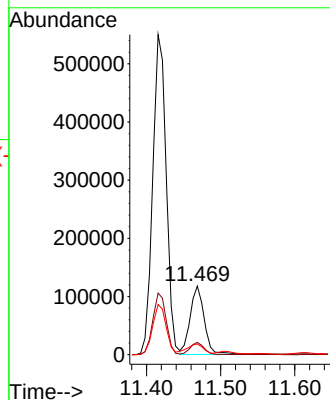
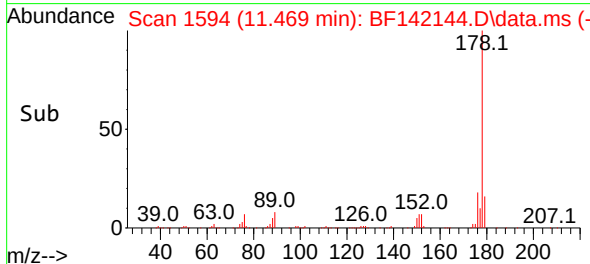
Instrument :
 BNA_F
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Tgt Ion:178 Resp: 156317
 Ion Ratio Lower Upper
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 176 18.0 15.1 22.7
 179 15.7 12.6 19.0

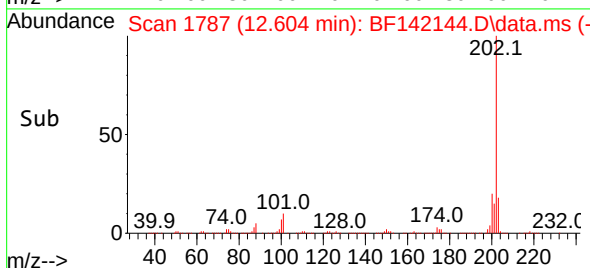
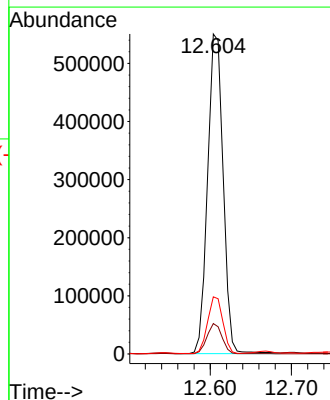
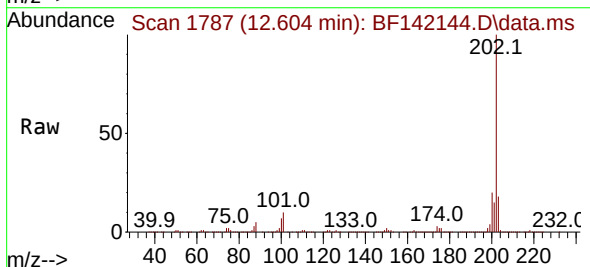
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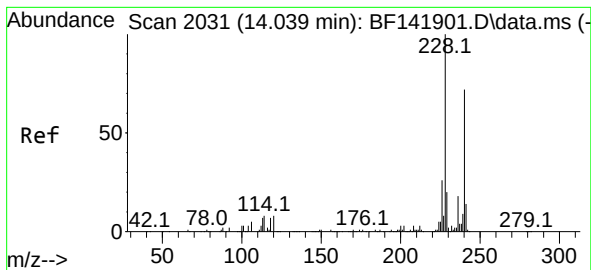
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#75
 Fluoranthene
 Concen: 27.338 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF142144.D
 Acq: 28 Mar 2025 00:38

Tgt Ion:202 Resp: 729925
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.7
 203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Instrument :

BNA_F

ClientSampleId :

TP-7

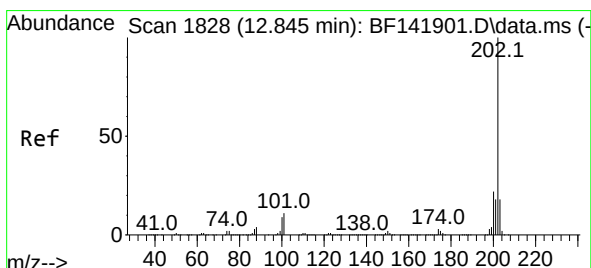
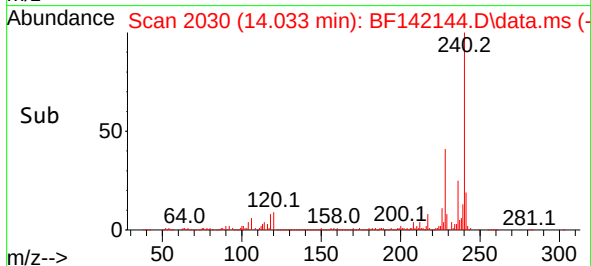
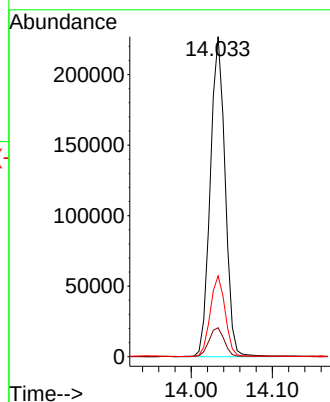
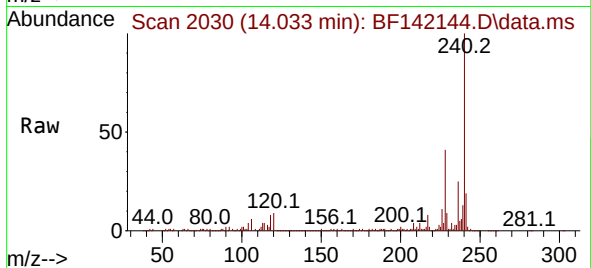
Tgt Ion:240 Resp: 287880
 Ion Ratio Lower Upper
 240 100
 120 9.0 8.4 12.6
 236 25.2 20.5 30.7

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Reviewed By :Anahy Claudio 03/28/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#78

Pyrene

Concen: 24.775 ng

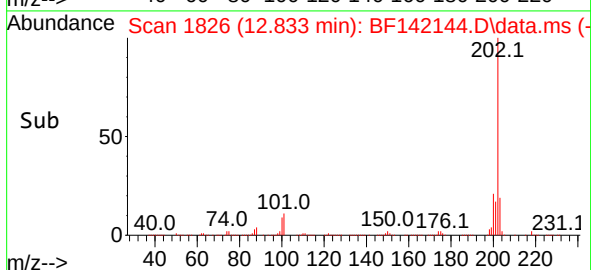
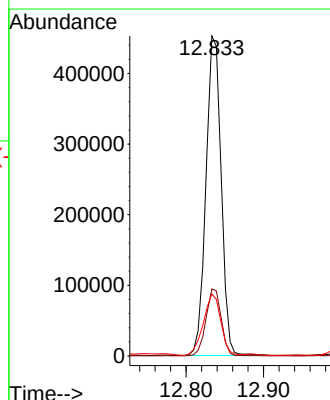
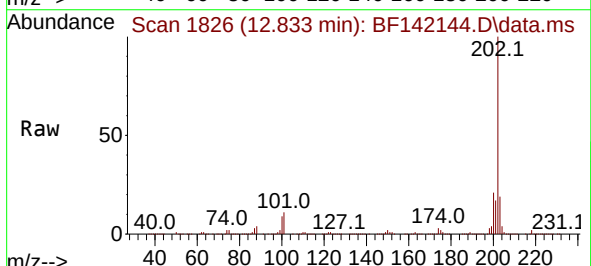
RT: 12.833 min Scan# 1826

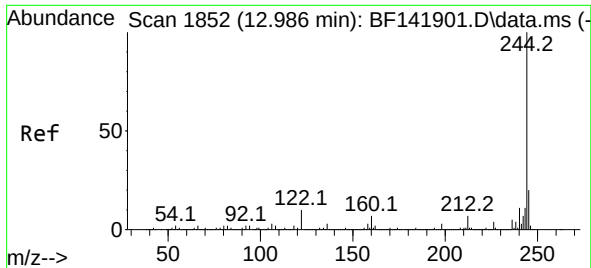
Delta R.T. -0.012 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

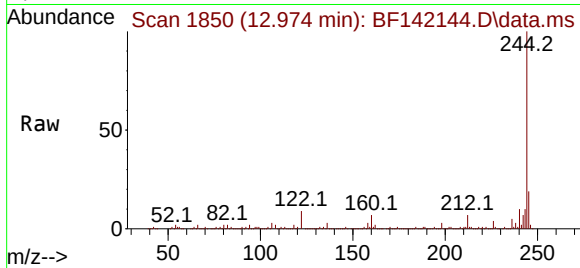
Tgt Ion:202 Resp: 616962
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.3 25.9
 203 19.4 14.4 21.6





#79
 Terphenyl-d14
 Concen: 15.408 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142144.D
 Acq: 28 Mar 2025 00:38

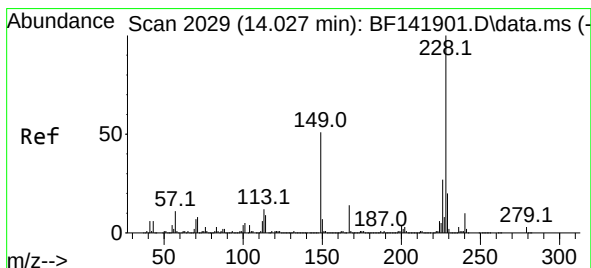
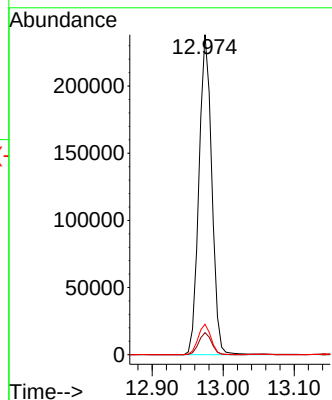
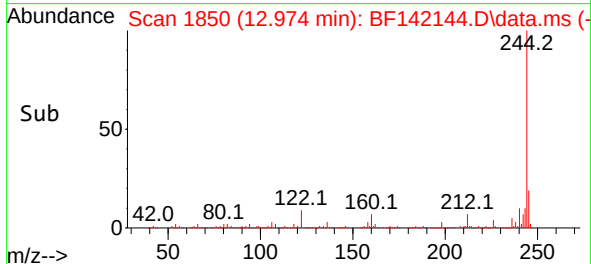
Instrument :
 BNA_F
 ClientSampleId :
 TP-7



Tgt Ion:244 Resp: 300024
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.5 7.7 11.5

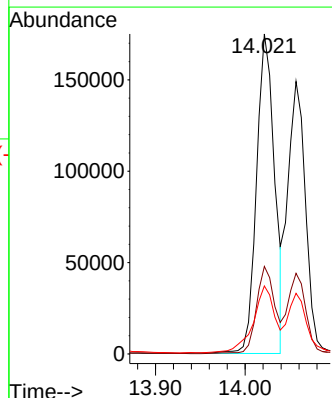
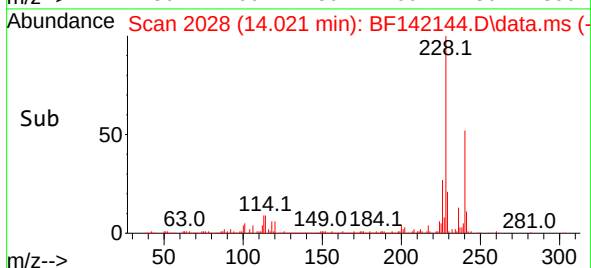
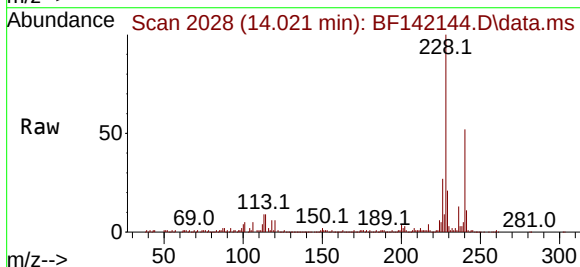
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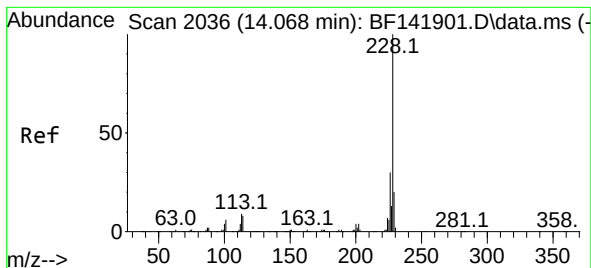
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#81
 Benzo(a)anthracene
 Concen: 12.986 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142144.D
 Acq: 28 Mar 2025 00:38

Tgt Ion:228 Resp: 245319
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.8
 229 21.2 16.0 24.0





#83

Chrysene

Concen: 11.851 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Instrument :

BNA_F

ClientSampleId :

TP-7

Tgt Ion:228 Resp: 202945

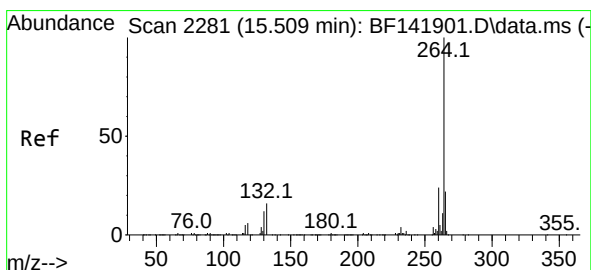
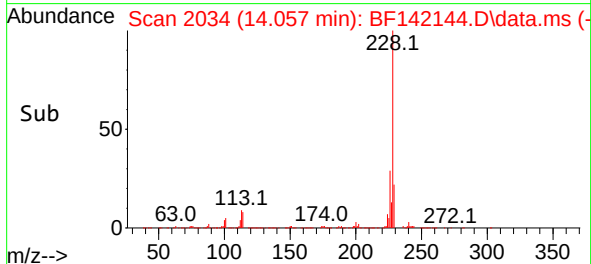
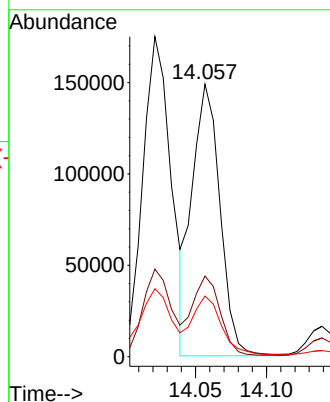
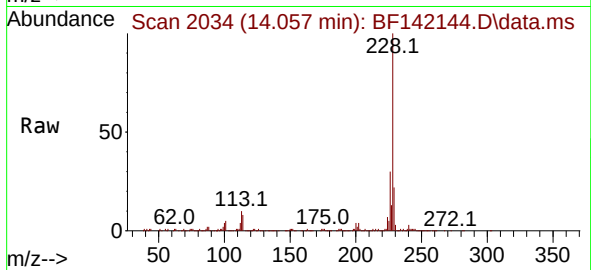
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.1	36.1
229	22.3	15.7	23.5

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Reviewed By :Anahy Claudio 03/28/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

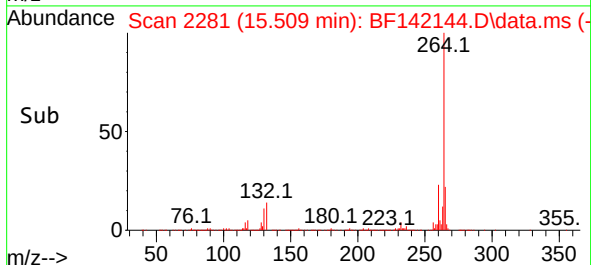
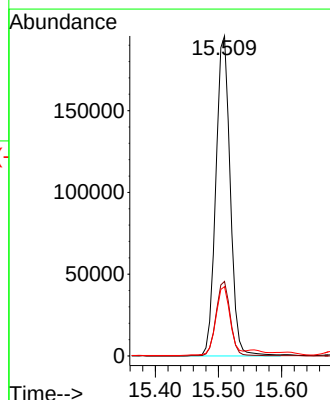
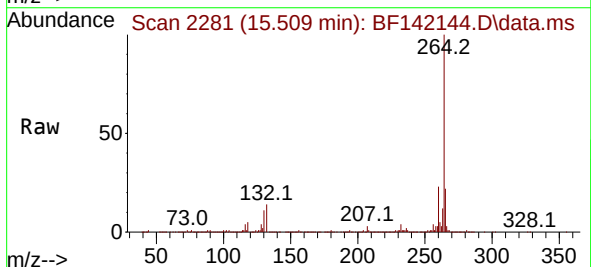
Delta R.T. 0.000 min

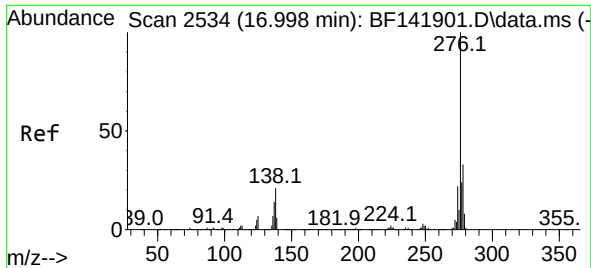
Lab File: BF142144.D

Acq: 28 Mar 2025 00:38

Tgt Ion:264 Resp: 309269

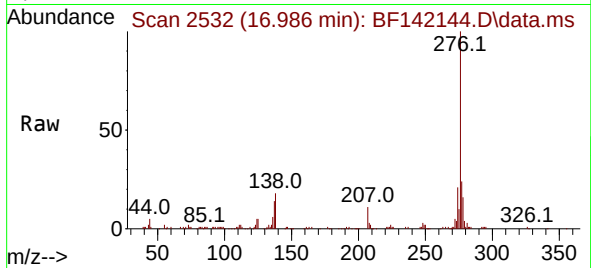
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	21.7	17.5	26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.731 ng
RT: 16.986 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

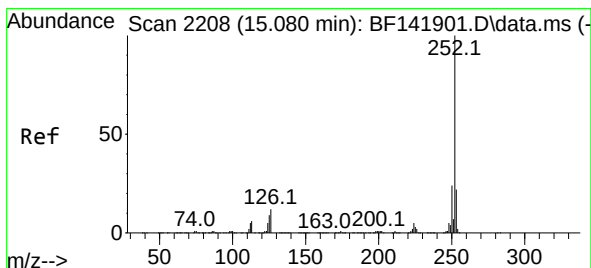
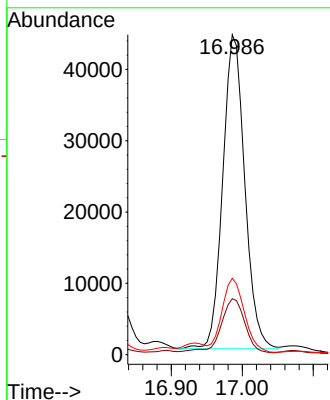
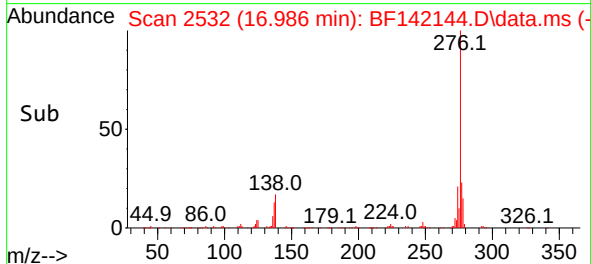
Instrument :
BNA_F
ClientSampleId :
TP-7



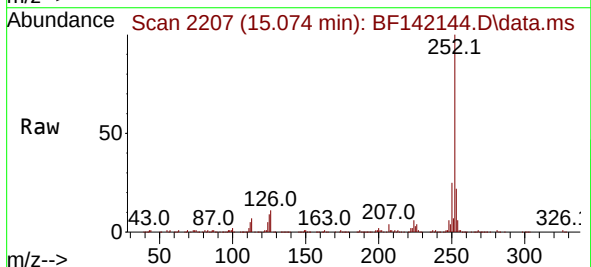
Tgt Ion:276 Resp: 9464
Ion Ratio Lower Upper
276 100
138 18.6 18.4 27.6
277 24.0 20.3 30.5

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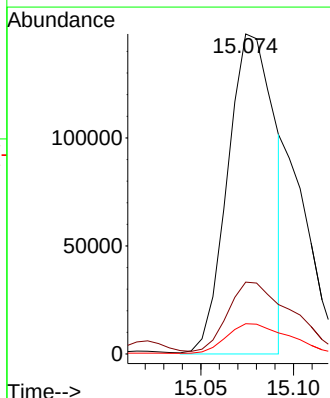
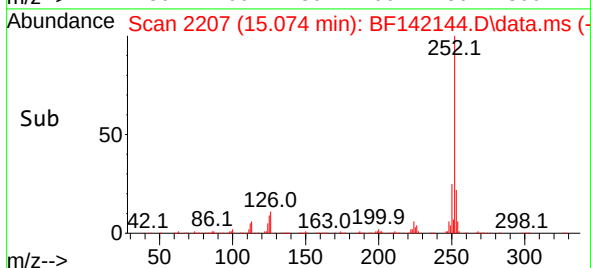
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

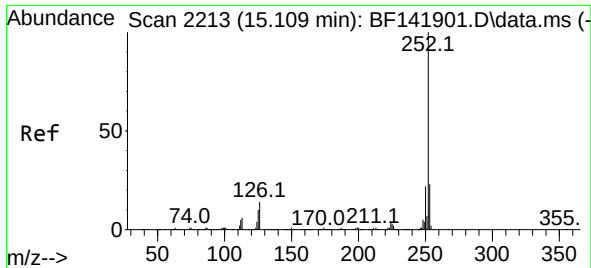


#88
Benzo(b)fluoranthene
Concen: 12.267 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38



Tgt Ion:252 Resp: 260014
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 9.4 7.0 10.4





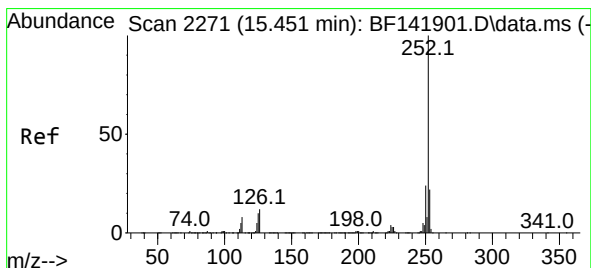
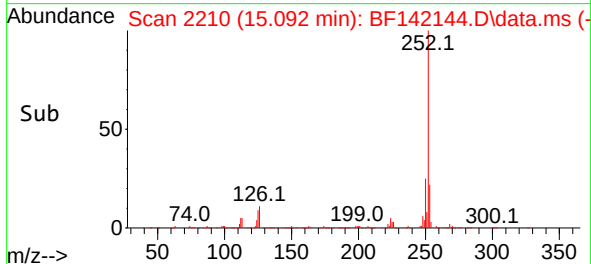
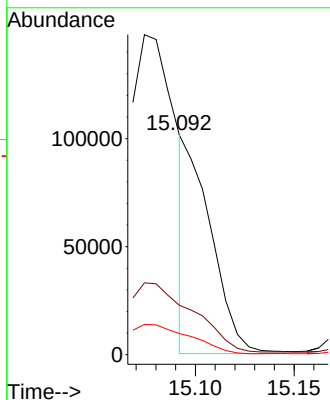
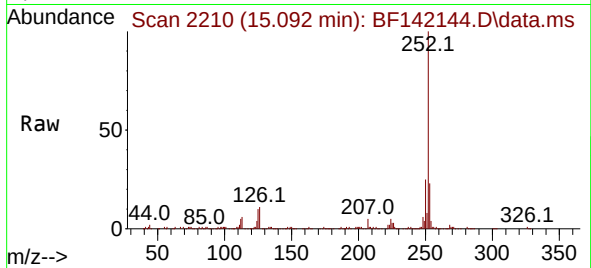
#89
Benzo(k)fluoranthene
Concen: 5.003 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:252 Resp: 90750
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 9.6 7.2 10.8

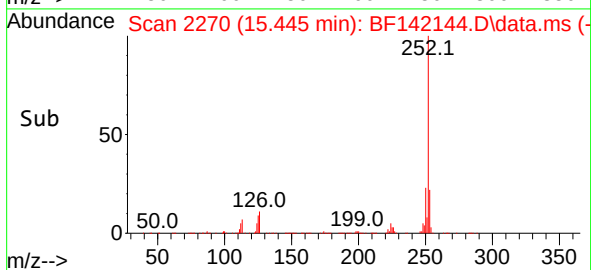
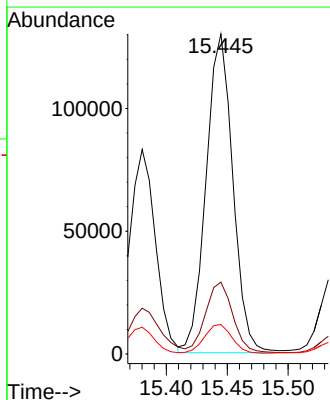
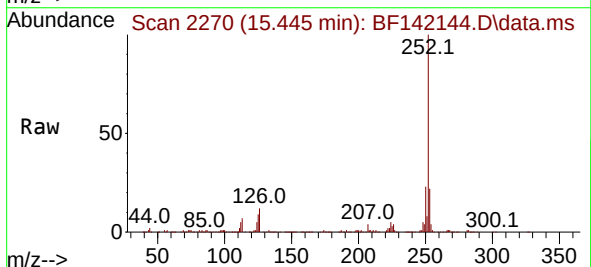
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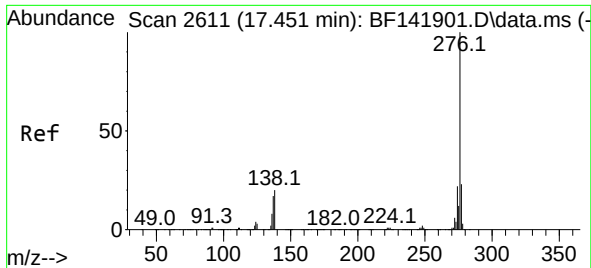
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#90
Benzo(a)pyrene
Concen: 11.950 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF142144.D
Acq: 28 Mar 2025 00:38

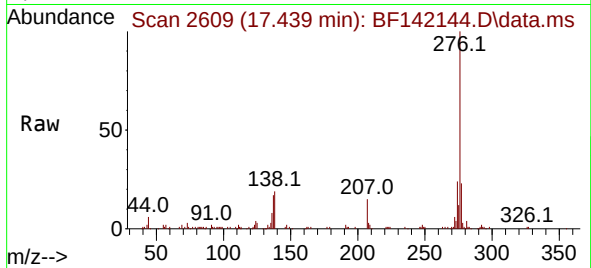
Tgt Ion:252 Resp: 198188
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 9.2 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.070 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF142144.D
 Acq: 28 Mar 2025 00:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-7



Tgt Ion: 276 Resp: 8270
 Ion Ratio Lower Upper
 276 100
 277 23.1 18.7 28.1
 138 18.8 15.8 23.8

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Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

