

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142131.D
 Acq On : 27 Mar 2025 18:15
 Operator : RC/JU
 Sample : Q1648-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 01:55:22 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	160953	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	652864	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	363751	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	563087	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	319273	20.000	ng	0.00
86) Perylene-d12	15.510	264	361029	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	571255	59.235	ng	0.00
7) Phenol-d6	6.492	99	706069	57.503	ng	-0.01
23) Nitrobenzene-d5	7.428	82	462705	39.884	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	175073	37.938	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1054561	44.090	ng	-0.01
79) Terphenyl-d14	12.980	244	892358	41.322	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	64361	2.996	ng	100
71) Phenanthrene	11.422	178	910069	29.923	ng	99
72) Anthracene	11.469	178	196584	6.443	ng	98
73) Carbazole	11.622	167	53917	2.049	ng	99
75) Fluoranthene	12.610	202	1029949	31.924	ng	99
78) Pyrene	12.839	202	904567	32.753	ng	99
81) Benzo(a)anthracene	14.021	228	391479	18.686	ng	98
83) Chrysene	14.057	228	336457	17.716	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	159563m	6.832	ng	
88) Benzo(b)fluoranthene	15.080	252	402095m	16.251	ng	
89) Benzo(k)fluoranthene	15.092	252	169811m	8.020	ng	
90) Benzo(a)pyrene	15.445	252	327297	16.905	ng	98
91) Dibenzo(a,h)anthracene	17.004	278	42344	2.197	ng	93
92) Benzo(g,h,i)perylene	17.439	276	144380	7.582	ng	98

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

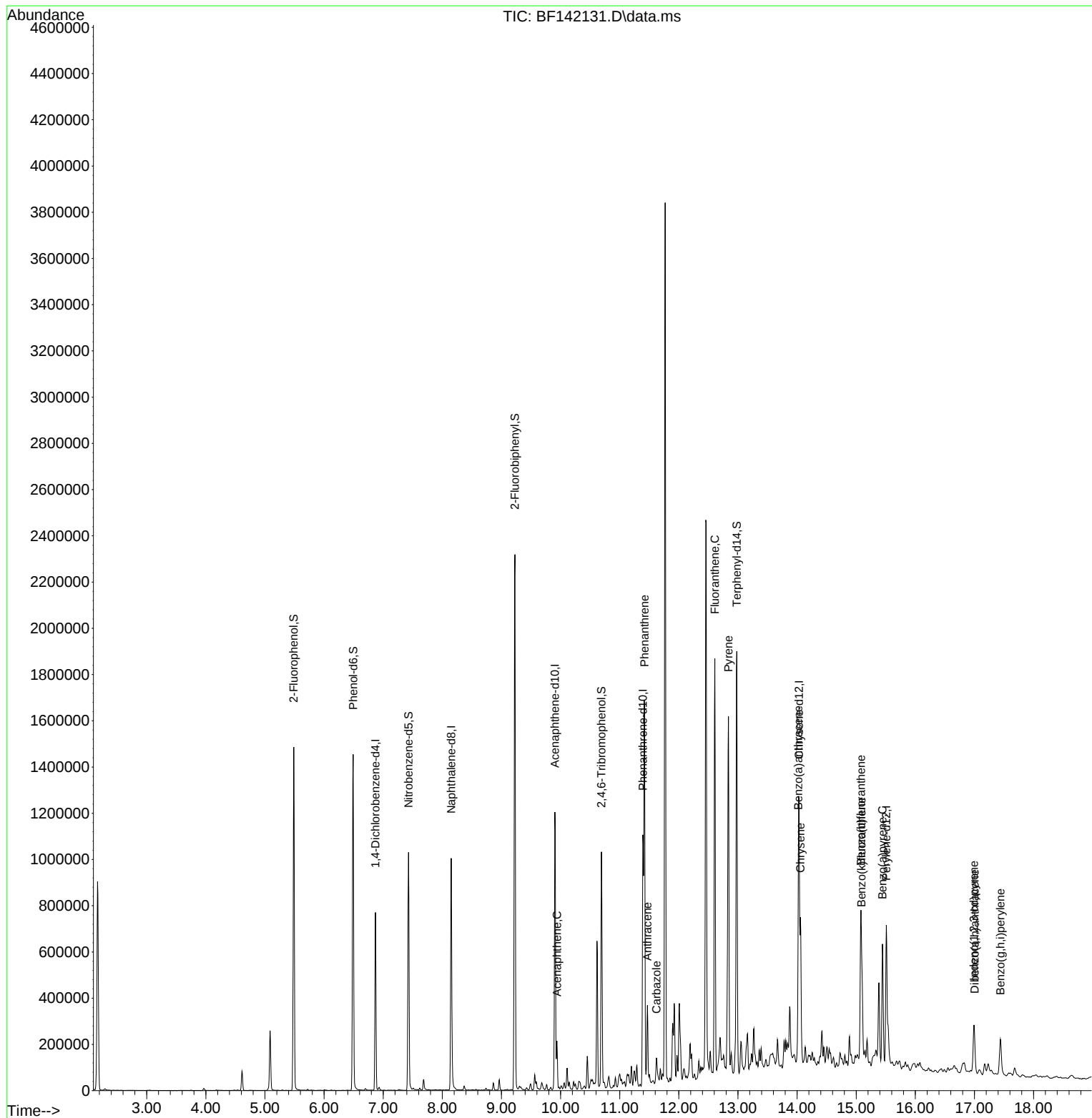
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142131.D
Acq On : 27 Mar 2025 18:15
Operator : RC/JU
Sample : Q1648-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

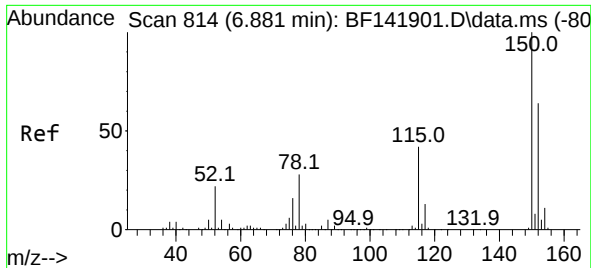
Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Time: Mar 28 01:55:22 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

Manual Integrations
APPROVED

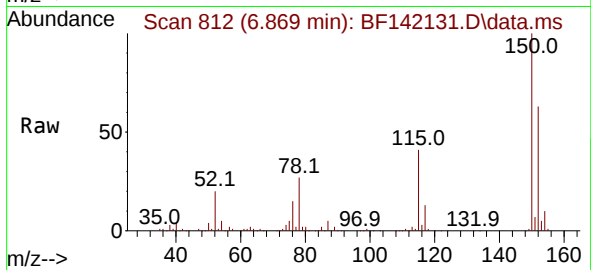
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

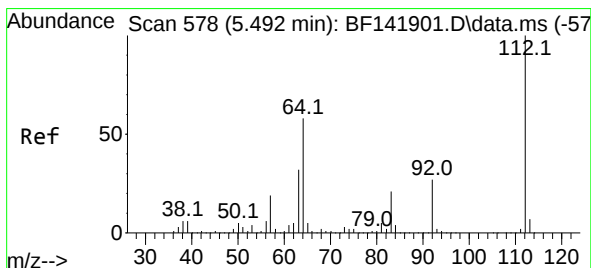
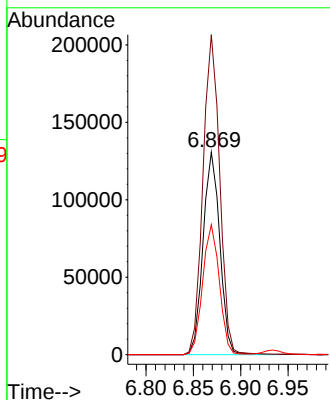
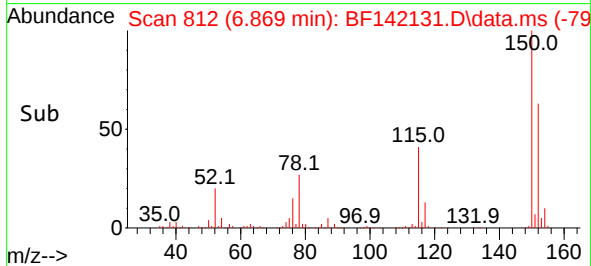
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:152 Resp: 16095
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.2
115 64.1 51.9 77.9

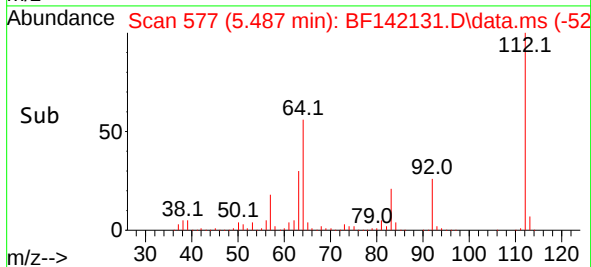
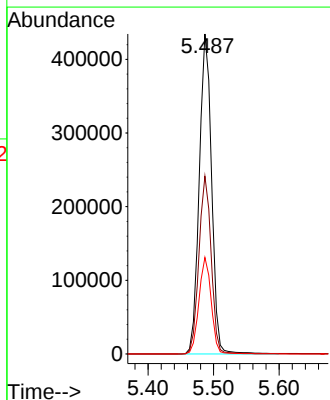
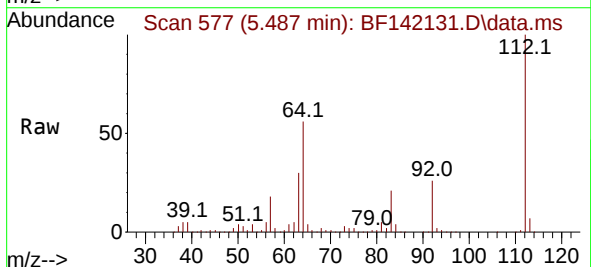
Manual Integrations
APPROVED

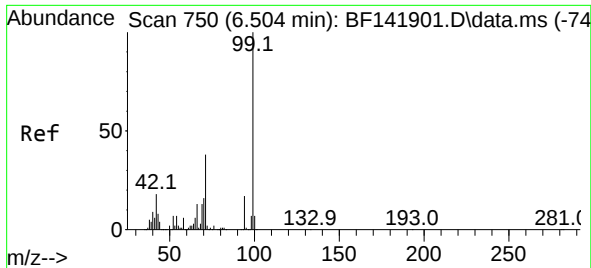
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 59.235 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

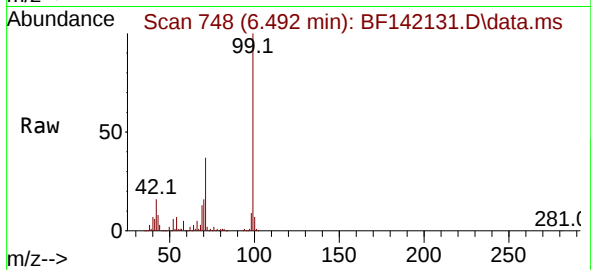
Tgt Ion:112 Resp: 571255
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 30.1 25.4 38.2





#7
Phenol-d6
Concen: 57.503 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

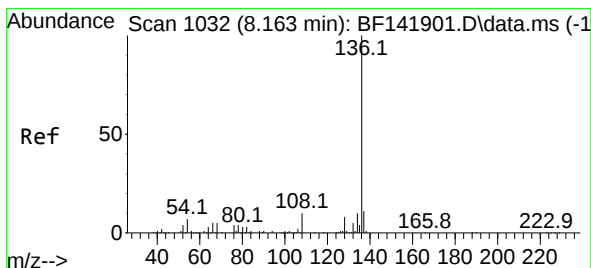
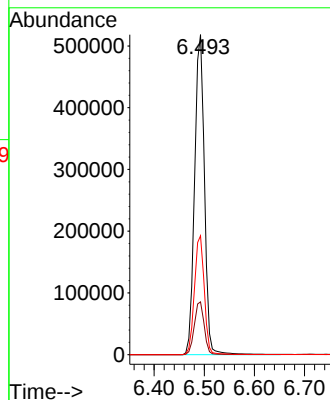
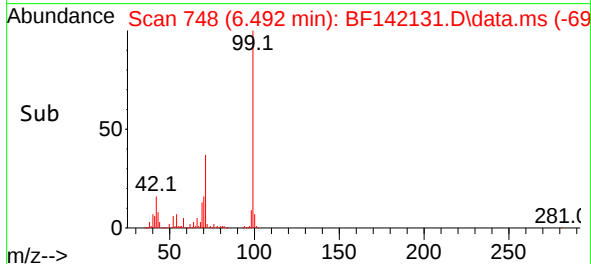
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion: 99 Resp: 706069
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 37.1 30.8 46.2

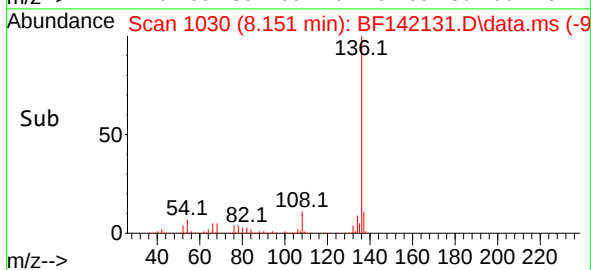
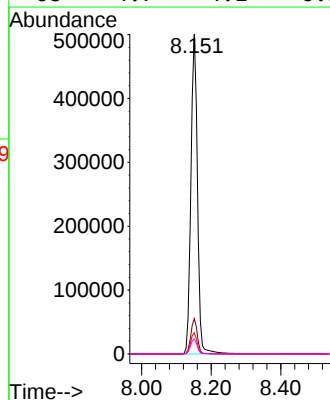
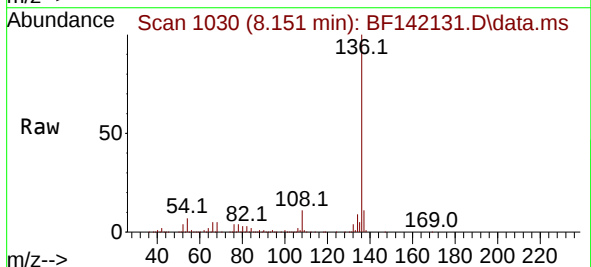
Manual Integrations
APPROVED

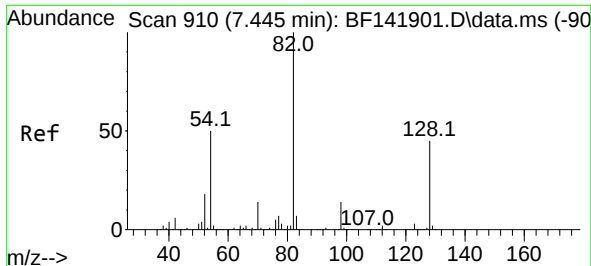
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

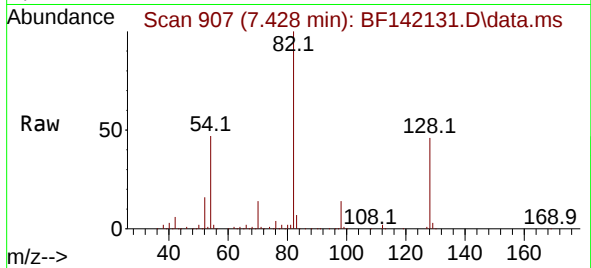
Tgt Ion:136 Resp: 652864
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.6 5.8 8.8
68 4.7 4.1 6.1





#23
Nitrobenzene-d5
Concen: 39.884 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

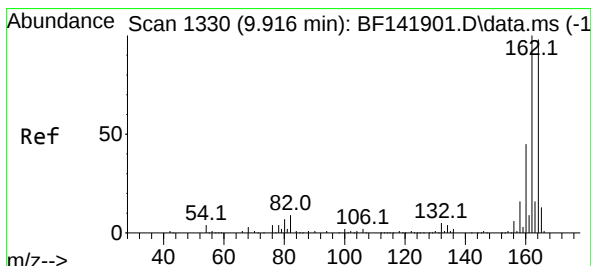
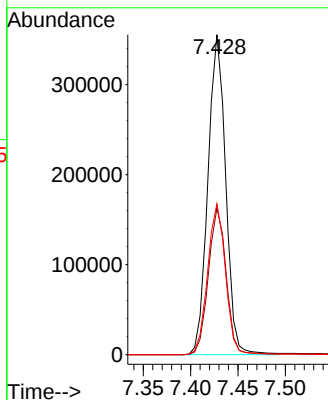
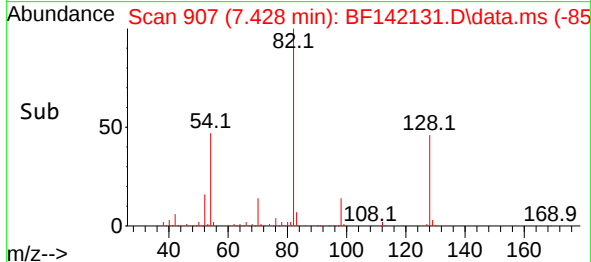
Instrument :
BNA_F
ClientSampleId :
TP-5



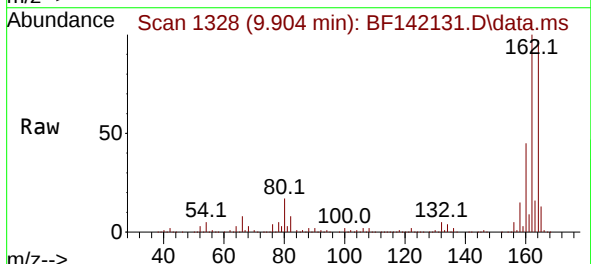
Tgt Ion: 82 Resp: 462709
Ion Ratio Lower Upper
82 100
128 45.8 36.0 54.0
54 47.2 39.6 59.4

Manual Integrations
APPROVED

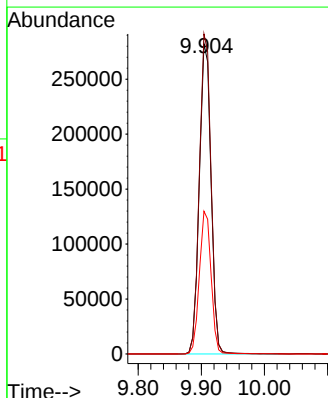
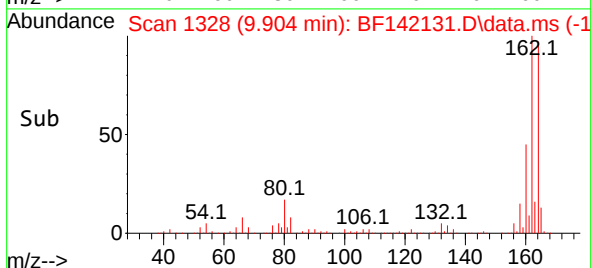
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

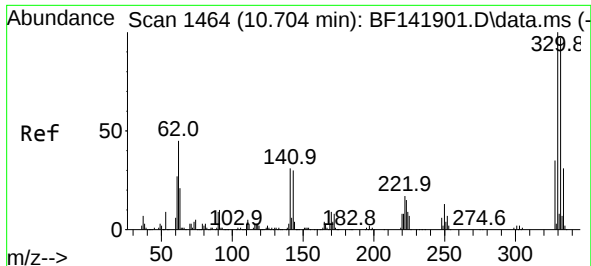


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15



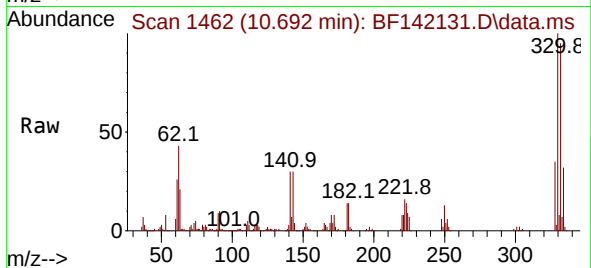
Tgt Ion:164 Resp: 363751
Ion Ratio Lower Upper
164 100
162 103.1 81.8 122.6
160 46.0 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 37.938 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

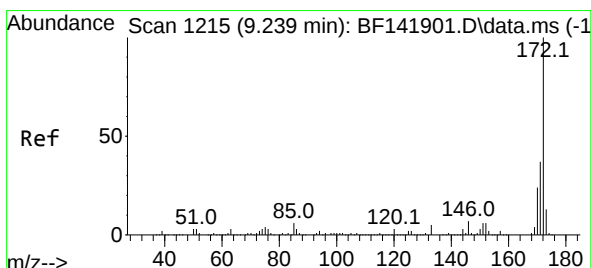
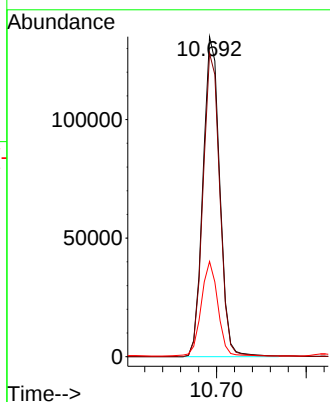
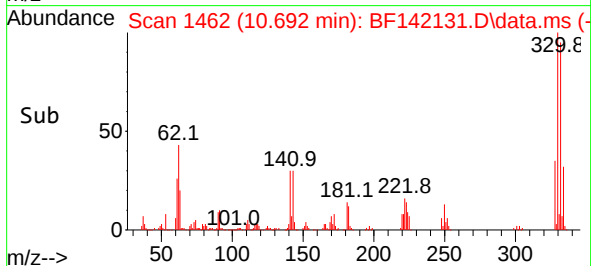
Instrument :
BNA_F
ClientSampleId :
TP-5



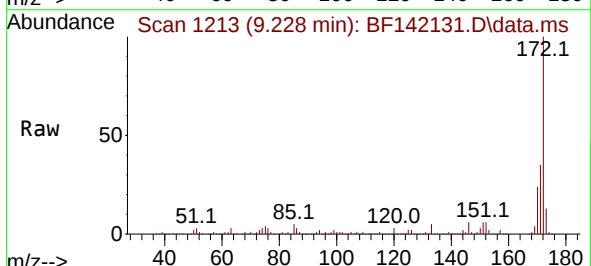
Tgt Ion: 330 Resp: 17507
Ion Ratio Lower Upper
330 100
332 95.3 77.6 116.4
141 29.3 24.7 37.1

Manual Integrations
APPROVED

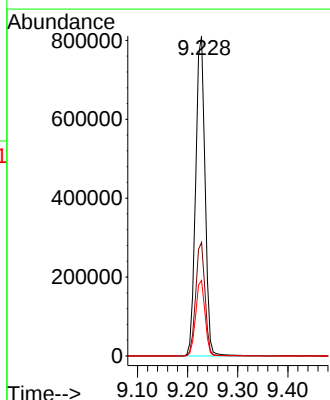
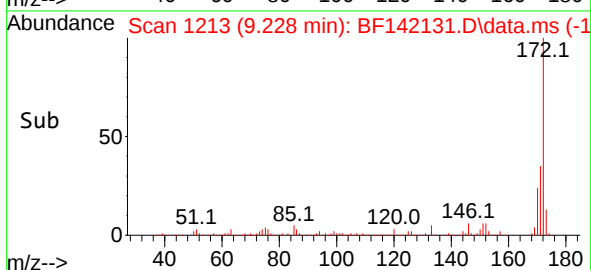
Reviewed By : Anahy Claudio 03/28/2025
Supervised By : Jagrut Upadhyay 04/01/2025

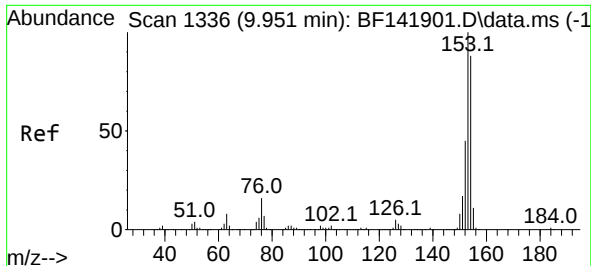


#45
2-Fluorobiphenyl
Concen: 44.090 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15



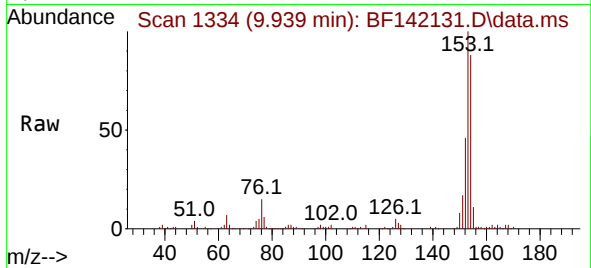
Tgt Ion: 172 Resp: 1054561
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.6 19.4 29.0





#52
Acenaphthene
Concen: 2.996 ng
RT: 9.939 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

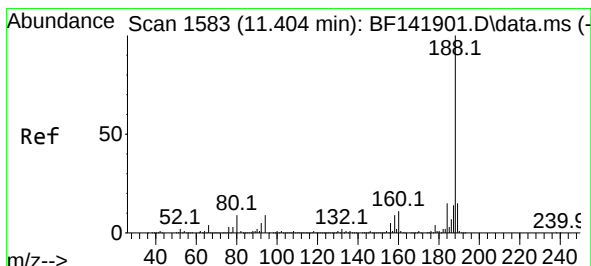
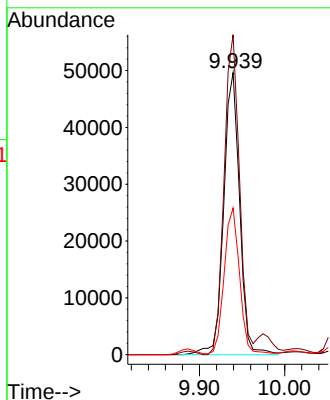
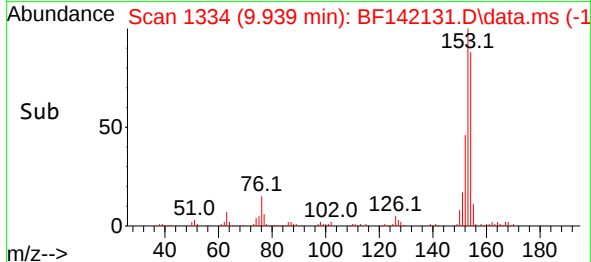
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:154 Resp: 6436
Ion Ratio Lower Upper
154 100
153 113.4 90.7 136.1
152 52.0 41.1 61.7

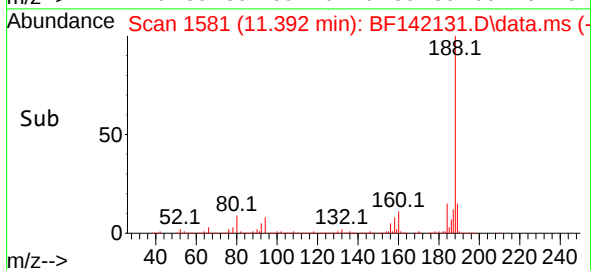
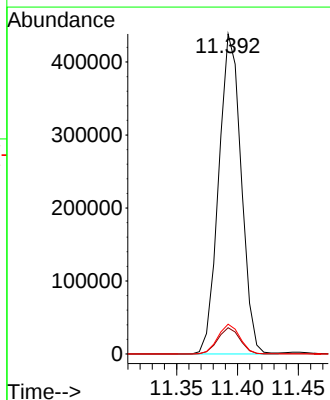
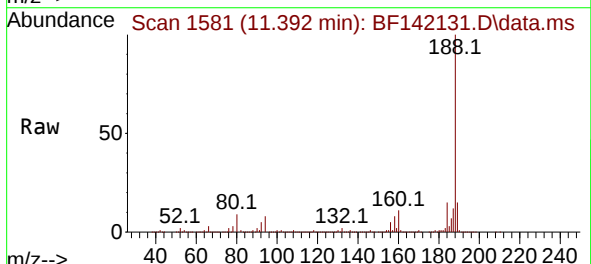
Manual Integrations
APPROVED

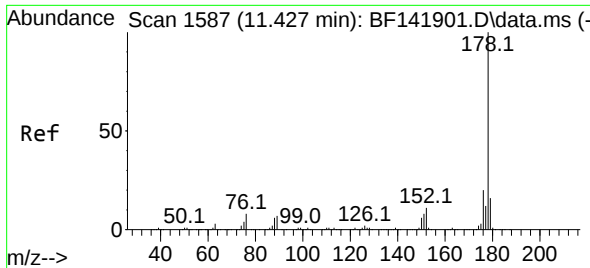
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

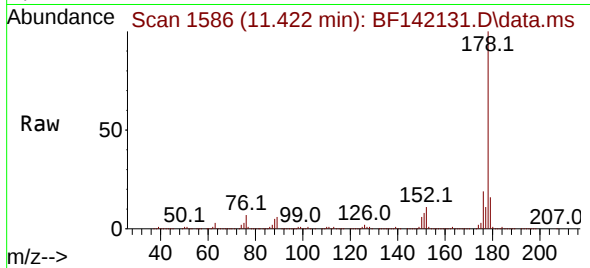
Tgt Ion:188 Resp: 563087
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.3 7.6 11.4





#71
Phenanthrene
Concen: 29.923 ng
RT: 11.422 min Scan# 11422
Delta R.T. -0.006 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

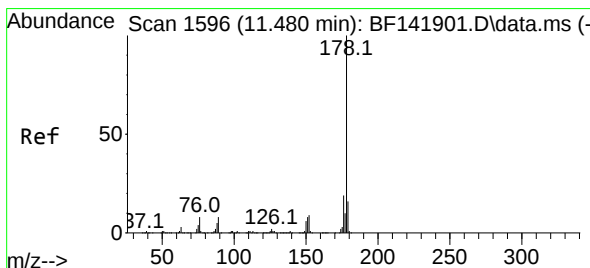
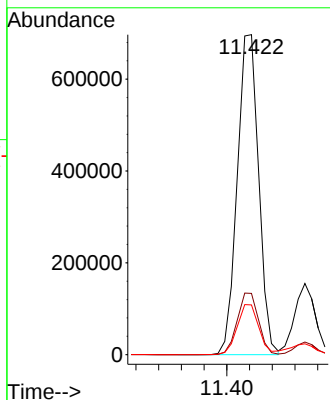
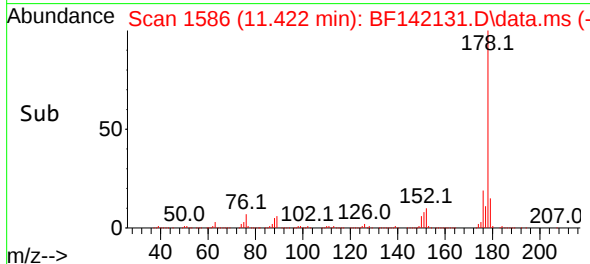
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:178 Resp: 910069
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.5 12.6 19.0

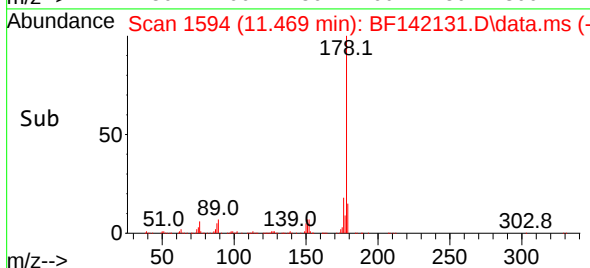
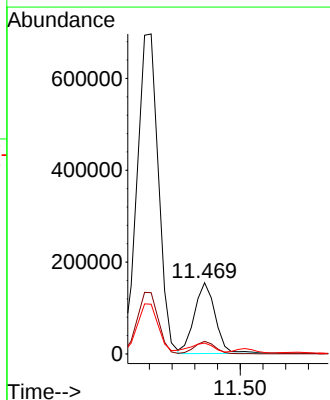
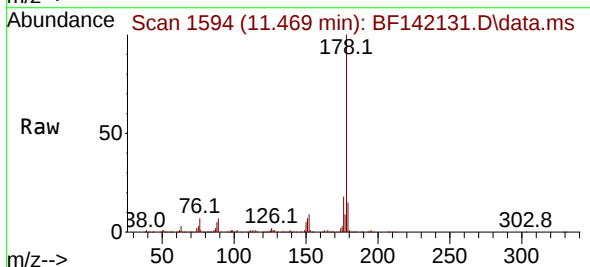
Manual Integrations
APPROVED

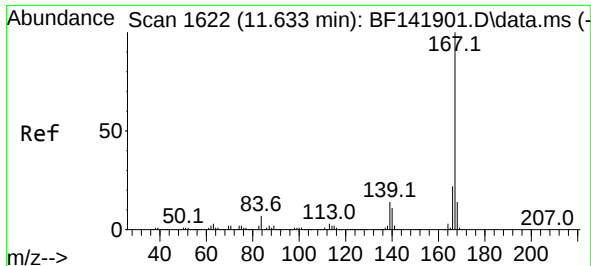
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#72
Anthracene
Concen: 6.443 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

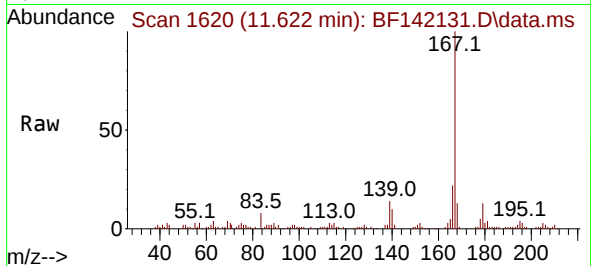
Tgt Ion:178 Resp: 196584
Ion Ratio Lower Upper
178 100
176 17.9 15.1 22.7
179 15.3 12.6 19.0





#73
 Carbazole
 Concen: 2.049 ng
 RT: 11.622 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142131.D
 Acq: 27 Mar 2025 18:15

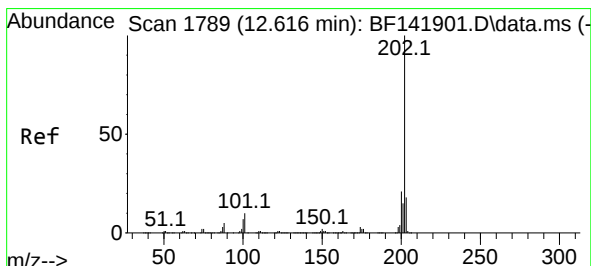
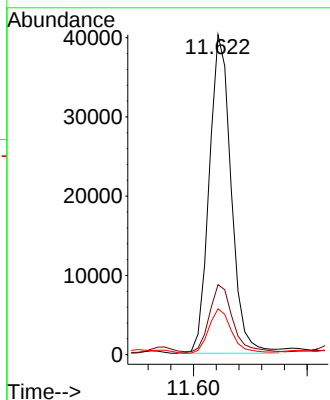
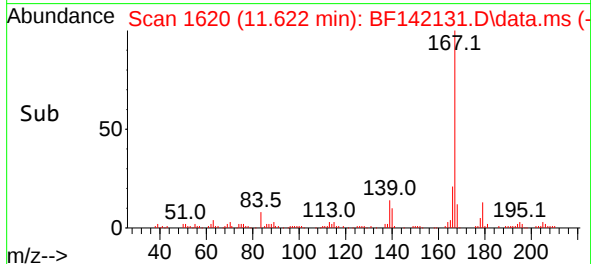
Instrument :
 BNA_F
 ClientSampleId :
 TP-5



Tgt Ion:167 Resp: 53917
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 14.3 11.0 16.6

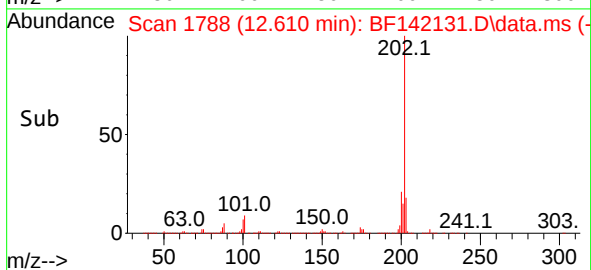
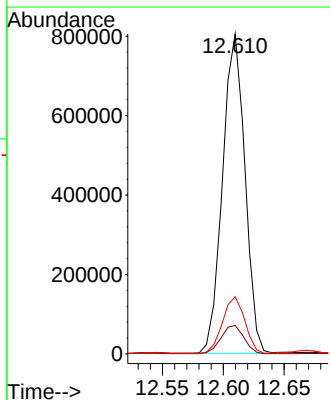
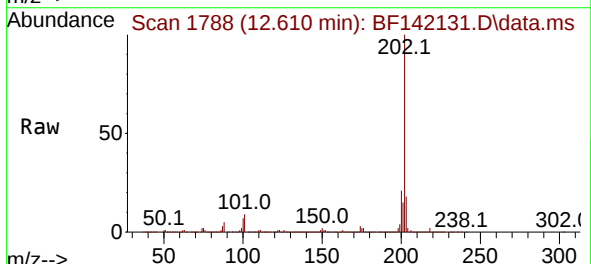
Manual Integrations
 APPROVED

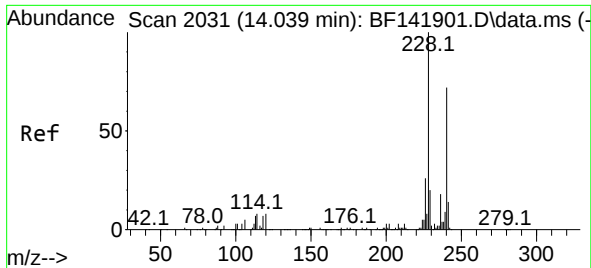
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#75
 Fluoranthene
 Concen: 31.924 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF142131.D
 Acq: 27 Mar 2025 18:15

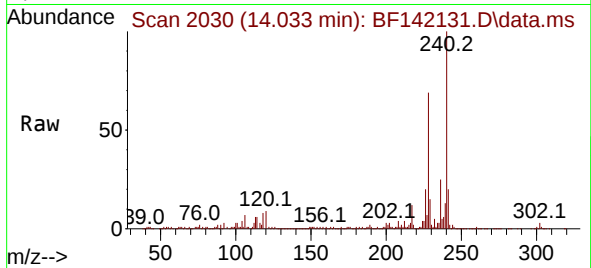
Tgt Ion:202 Resp: 1029949
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 29.7
 203 17.9 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

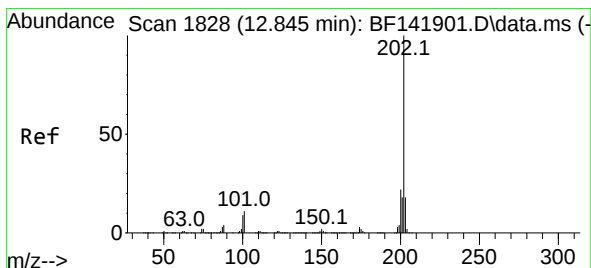
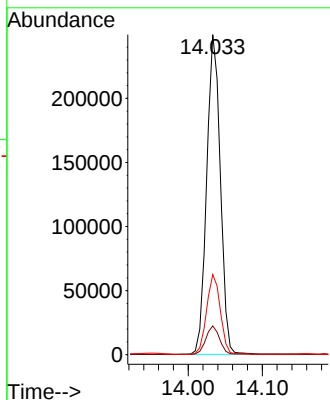
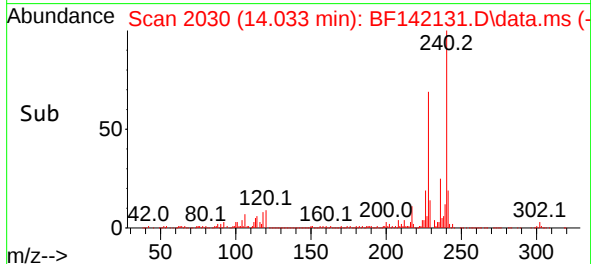
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:240 Resp: 31927
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.1 20.5 30.7

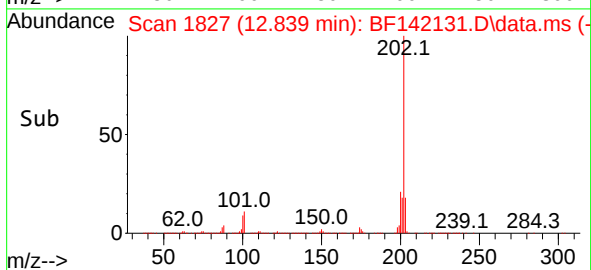
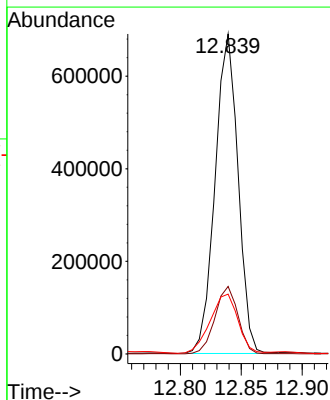
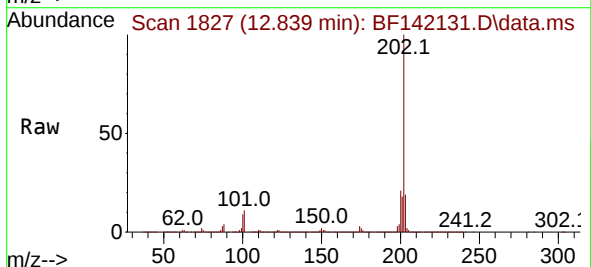
Manual Integrations
APPROVED

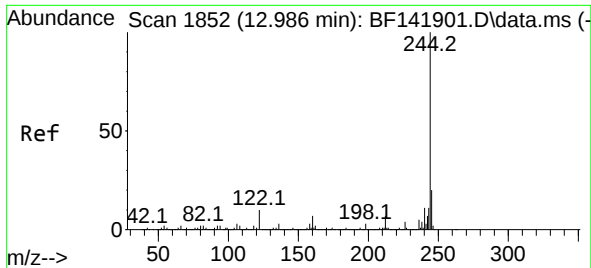
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#78
Pyrene
Concen: 32.753 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

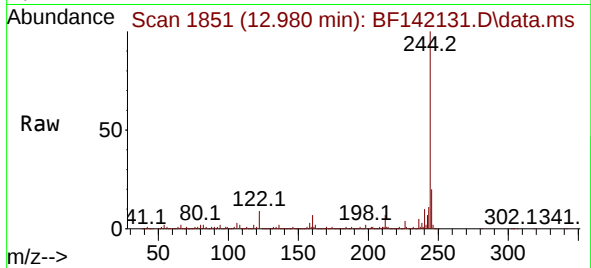
Tgt Ion:202 Resp: 904567
Ion Ratio Lower Upper
202 100
200 21.1 17.3 25.9
203 18.7 14.4 21.6





#79
 Terphenyl-d14
 Concen: 41.322 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF142131.D
 Acq: 27 Mar 2025 18:15

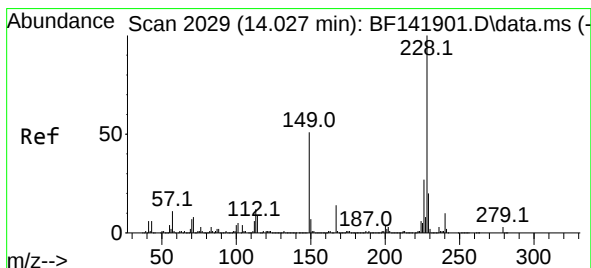
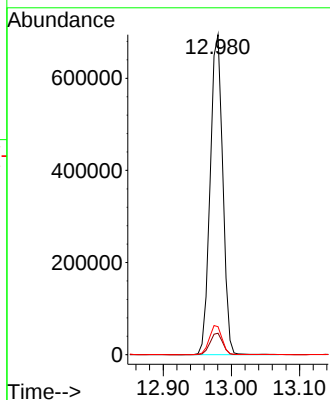
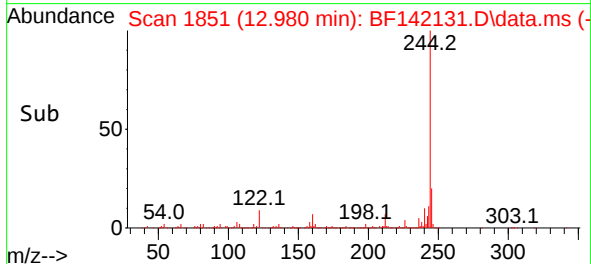
Instrument :
 BNA_F
 ClientSampleId :
 TP-5



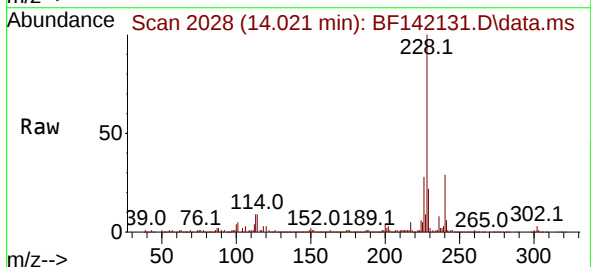
Tgt Ion:244 Resp: 892358
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 8.8 7.7 11.5

Manual Integrations
 APPROVED

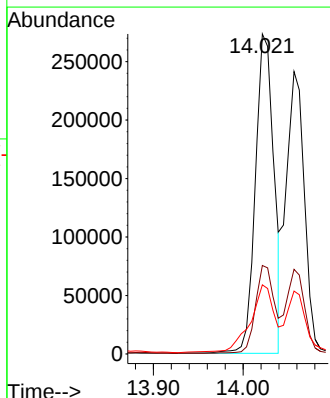
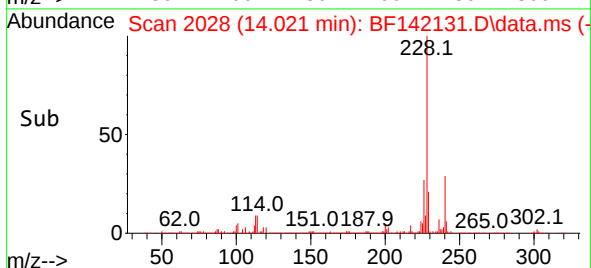
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

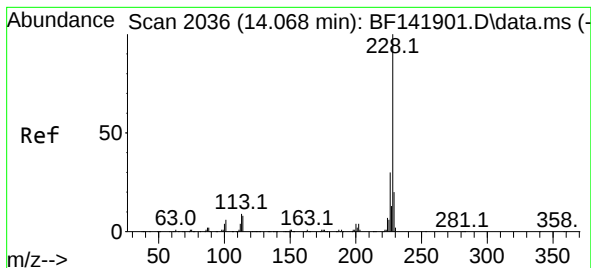


#81
 Benzo(a)anthracene
 Concen: 18.686 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142131.D
 Acq: 27 Mar 2025 18:15



Tgt Ion:228 Resp: 391479
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.8 32.8
 229 21.6 16.0 24.0





#83

Chrysene

Concen: 17.716 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142131.D

Acq: 27 Mar 2025 18:15

Instrument :

BNA_F

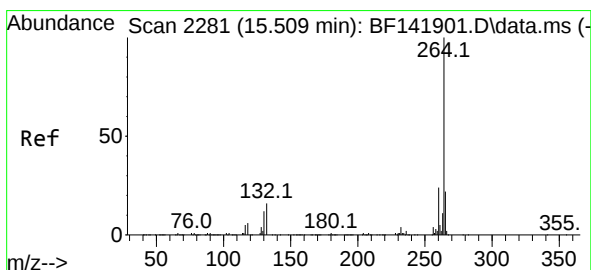
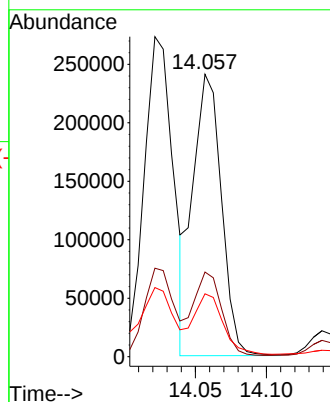
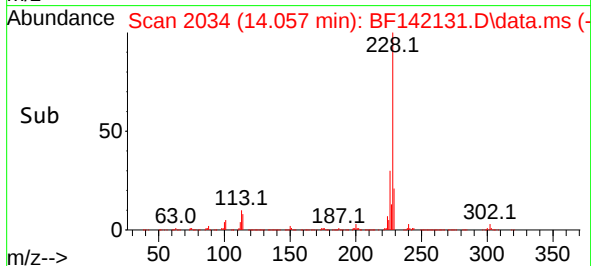
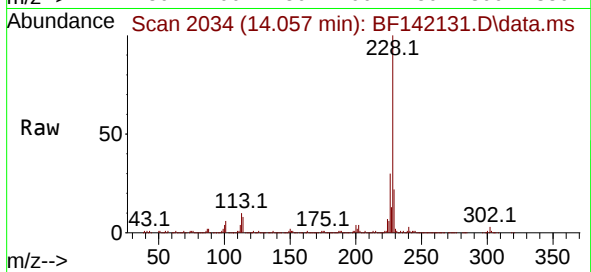
ClientSampleId :

TP-5

Tgt Ion:228 Resp: 33645
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.1 36.1
 229 22.3 15.7 23.5

Manual Integrations
 APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

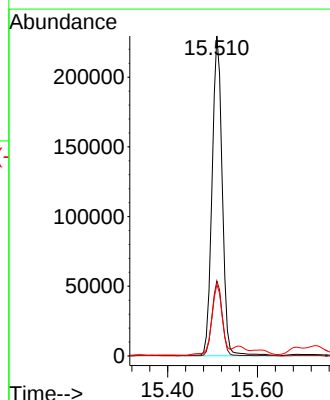
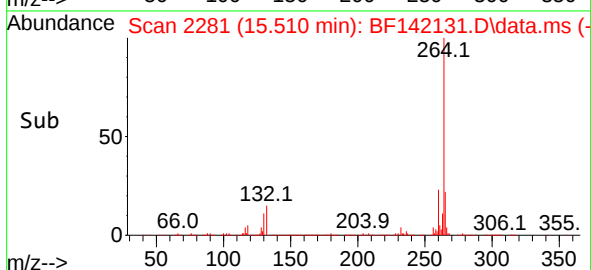
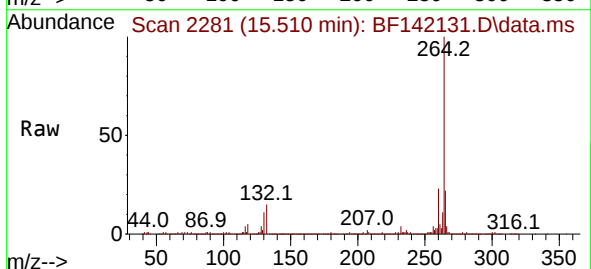
RT: 15.510 min Scan# 2281

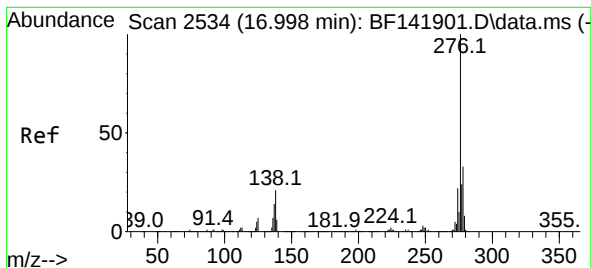
Delta R.T. 0.000 min

Lab File: BF142131.D

Acq: 27 Mar 2025 18:15

Tgt Ion:264 Resp: 361029
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 22.2 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.832 ng m

RT: 16.992 min Scan# 2534

Delta R.T. -0.006 min

Lab File: BF142131.D

Acq: 27 Mar 2025 18:15

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion:276 Resp: 15956

Ion Ratio Lower Upper

276 100

138 4.2 18.4 27.6

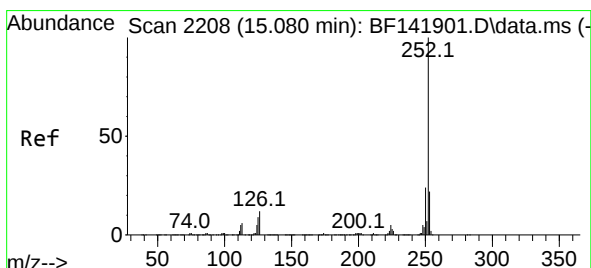
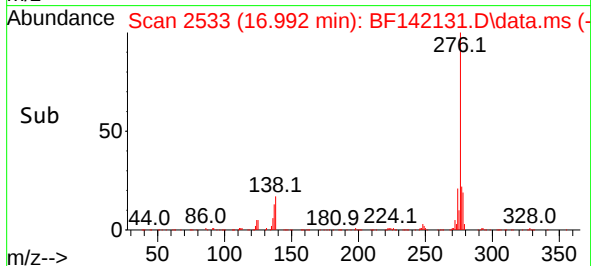
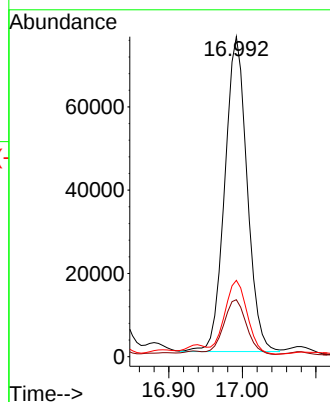
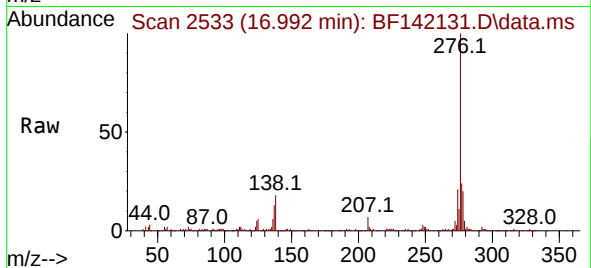
277 4.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/28/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#88

Benzo(b)fluoranthene

Concen: 16.251 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142131.D

Acq: 27 Mar 2025 18:15

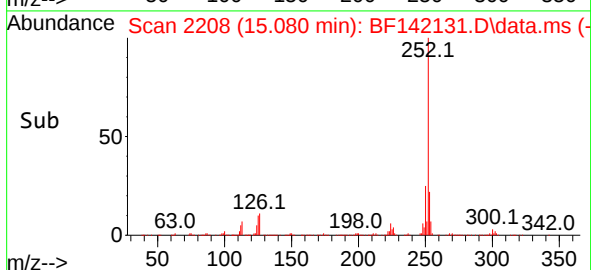
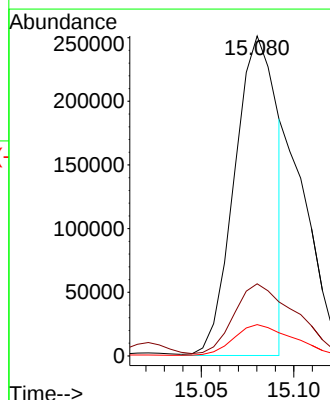
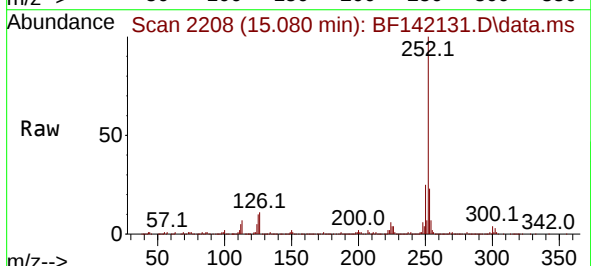
Tgt Ion:252 Resp: 402095

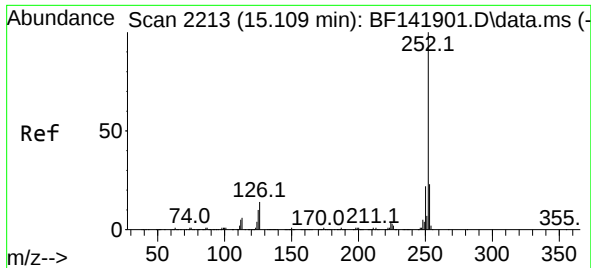
Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

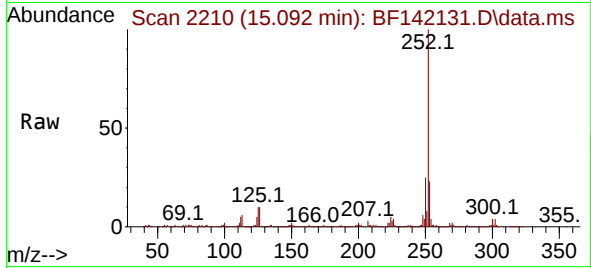
125 9.8 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 8.020 ng m
RT: 15.092 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

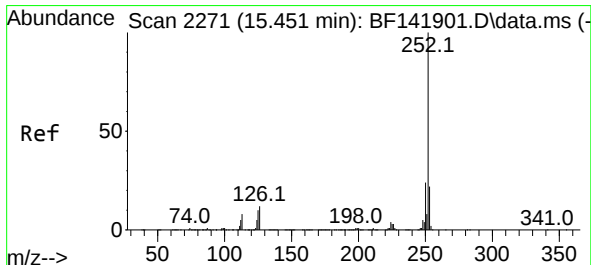
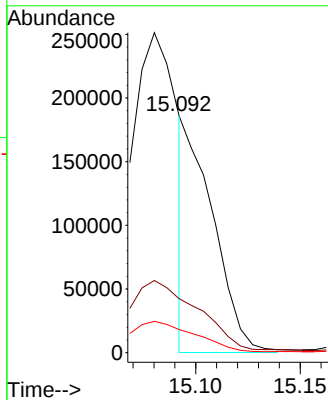
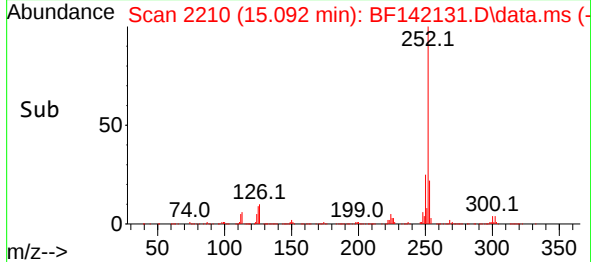
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 16981
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.8 7.2 10.8

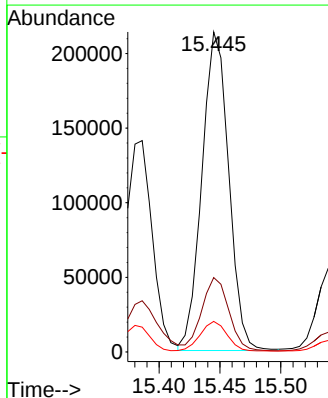
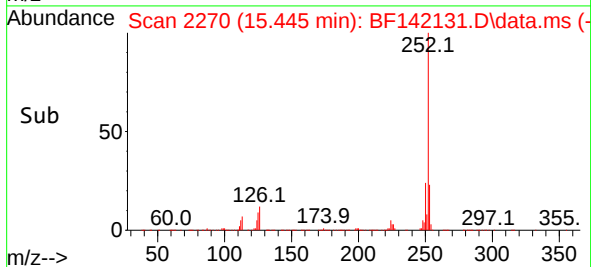
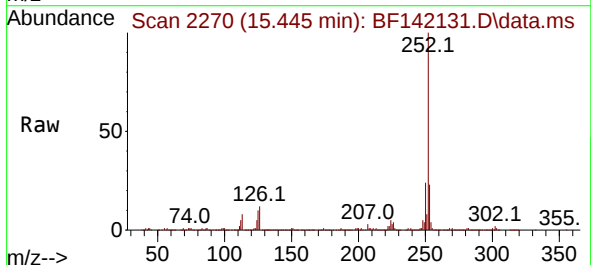
Manual Integrations
APPROVED

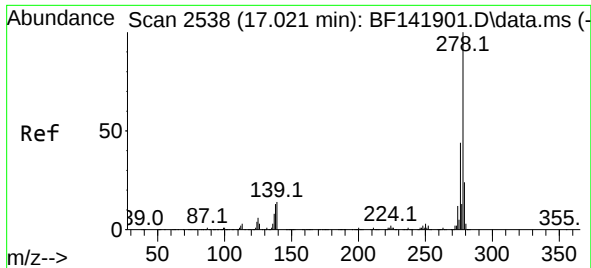
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#90
Benzo(a)pyrene
Concen: 16.905 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

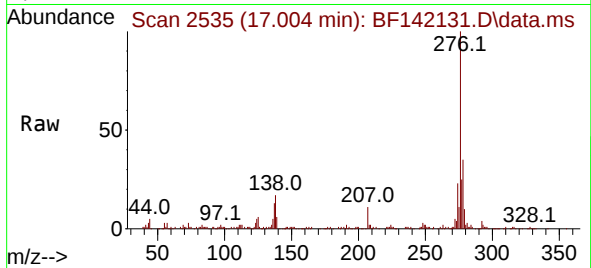
Tgt Ion:252 Resp: 327297
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 9.6 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 2.197 ng
RT: 17.004 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

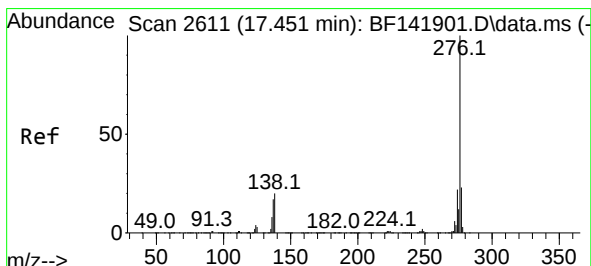
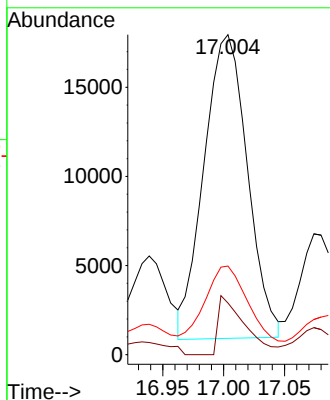
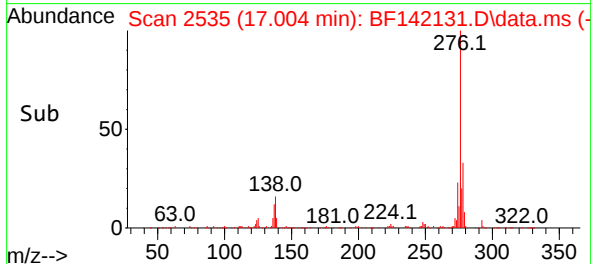
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:278 Resp: 42344
Ion Ratio Lower Upper
278 100
139 16.1 11.4 17.2
279 27.7 18.8 28.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 7.582 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF142131.D
Acq: 27 Mar 2025 18:15

Tgt Ion:276 Resp: 144380
Ion Ratio Lower Upper
276 100
277 23.7 18.7 28.1
138 18.4 15.8 23.8

