

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142133.D
 Acq On : 27 Mar 2025 19:14
 Operator : RC/JU
 Sample : Q1648-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 01:56:08 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	162825	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	636889	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	340805	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	495730	20.000	ng	0.00
76) Chrysene-d12	14.039	240	321316	20.000	ng	0.00
86) Perylene-d12	15.509	264	335401	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	810567	83.083	ng	0.00
7) Phenol-d6	6.492	99	1029310	82.864	ng	-0.01
23) Nitrobenzene-d5	7.428	82	696806	61.570	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	299422	69.254	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1339380	59.769	ng	-0.01
79) Terphenyl-d14	12.980	244	988345	45.476	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	210604	10.463	ng	99
55) Dibenzofuran	10.110	168	168594	5.862	ng	97
58) Fluorene	10.451	166	253495	11.429	ng	98
71) Phenanthrene	11.421	178	2213656	82.673	ng	100
72) Anthracene	11.474	178	929173	34.589	ng	99
73) Carbazole	11.621	167	99228	4.283	ng	98
75) Fluoranthene	12.621	202	2174105	76.545	ng	98
78) Pyrene	12.845	202	1914313	68.875	ng	99
81) Benzo(a)anthracene	14.027	228	861888	40.877	ng	99
83) Chrysene	14.062	228	638872	33.426	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	255988m	11.799	ng	
88) Benzo(b)fluoranthene	15.080	252	777751m	33.834	ng	
89) Benzo(k)fluoranthene	15.098	252	248503m	12.633	ng	
90) Benzo(a)pyrene	15.451	252	615132	34.200	ng	98
91) Dibenzo(a,h)anthracene	17.003	278	59980	3.351	ng	# 80
92) Benzo(g,h,i)perylene	17.445	276	228562	12.920	ng	98

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

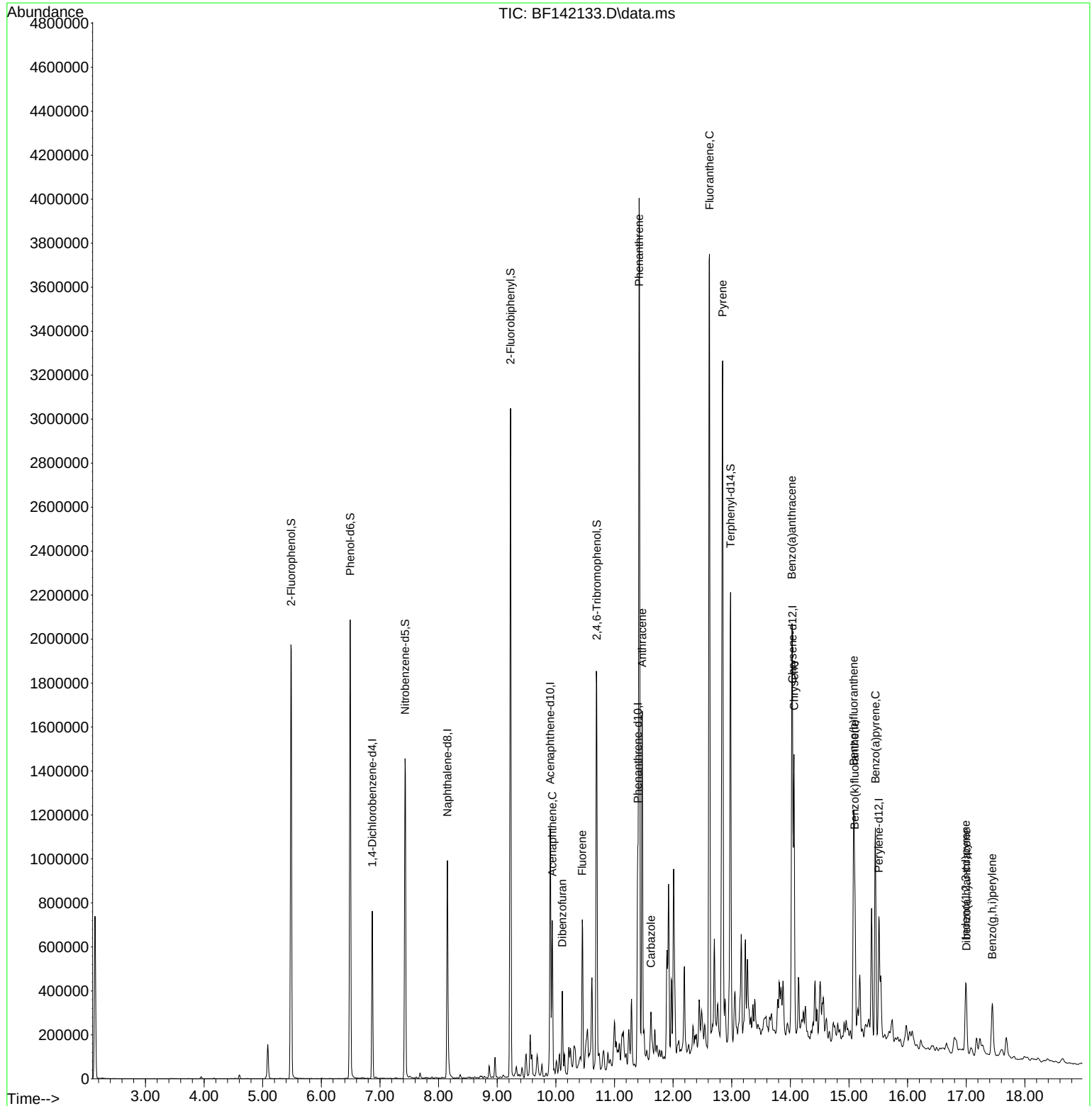
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142133.D
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ALS Vial : 8 Sample Multiplier: 1

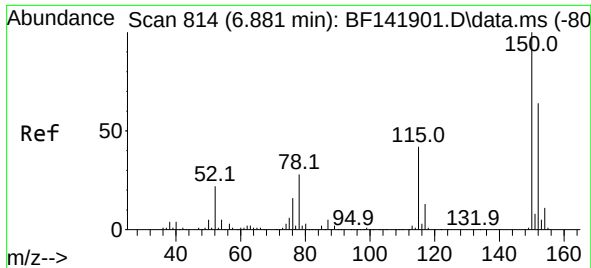
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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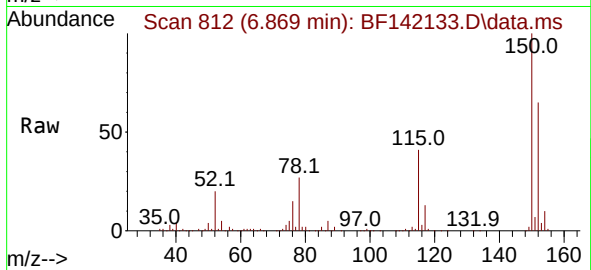
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

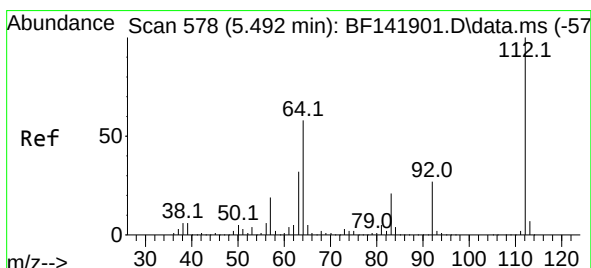
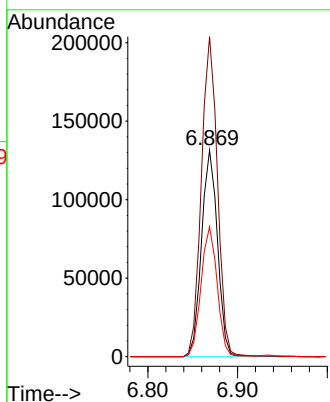
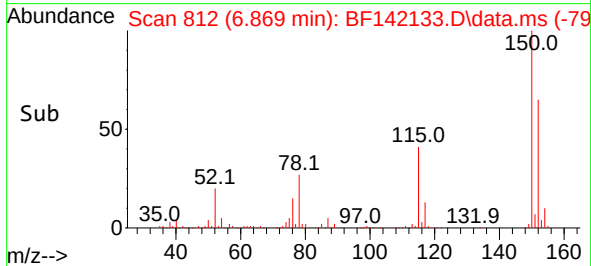
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:152 Resp: 162825
Ion Ratio Lower Upper
152 100
150 154.9 127.4 191.2
115 62.9 51.9 77.9

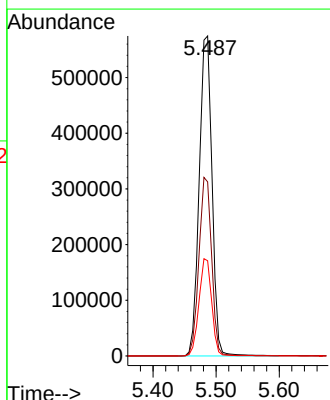
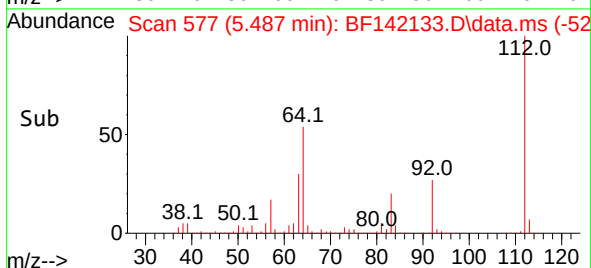
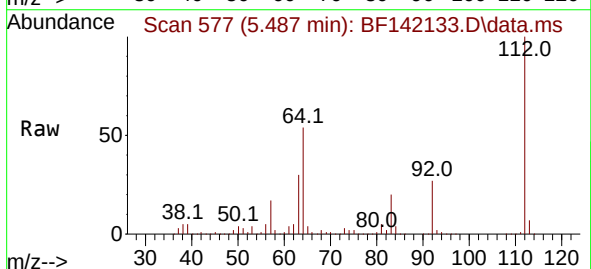
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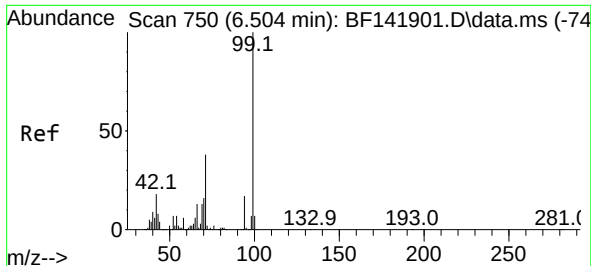
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 83.083 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

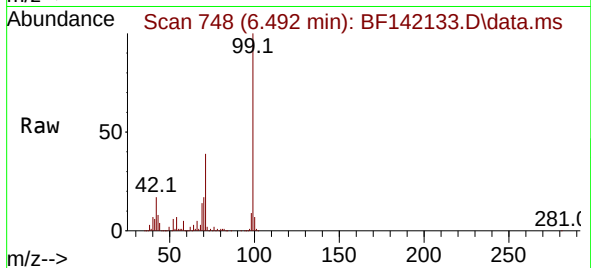
Tgt Ion:112 Resp: 810567
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 29.8 25.4 38.2





#7
Phenol-d6
Concen: 82.864 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

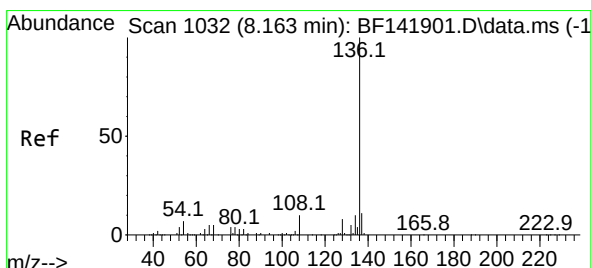
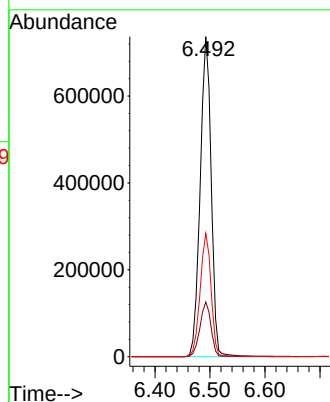
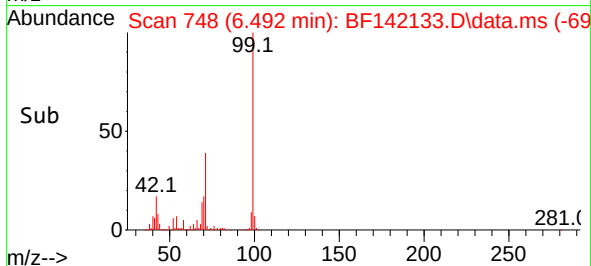
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion: 99 Resp: 1029310
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 38.5 30.8 46.2

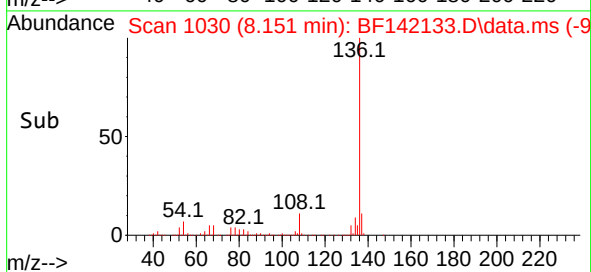
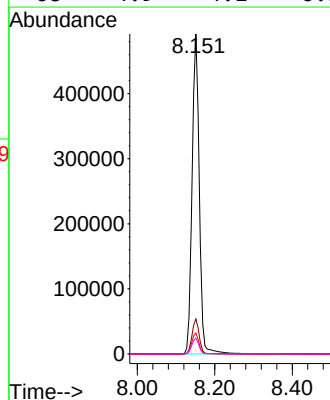
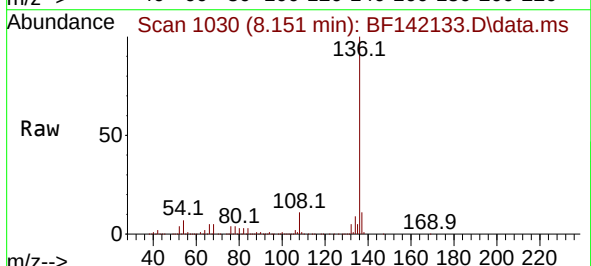
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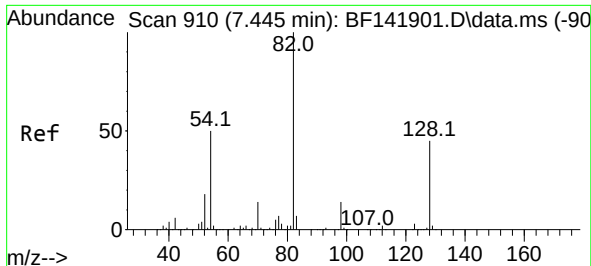
Reviewed By :Anahy Claudio 03/28/2025
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

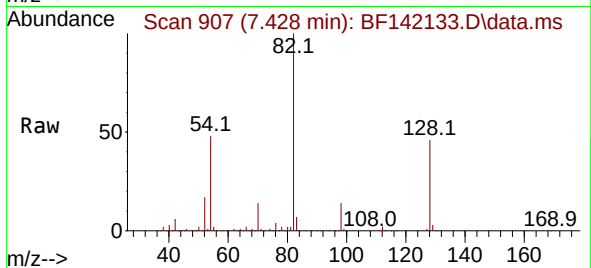
Tgt Ion:136 Resp: 636889
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.5 5.8 8.8
68 4.9 4.1 6.1





#23
Nitrobenzene-d5
Concen: 61.570 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

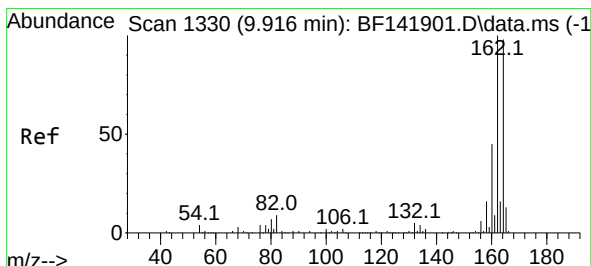
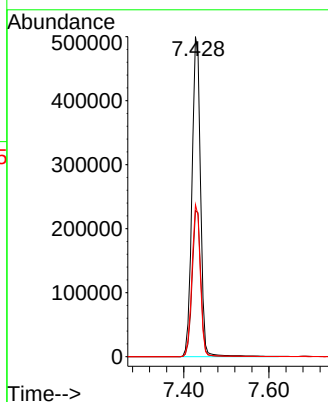
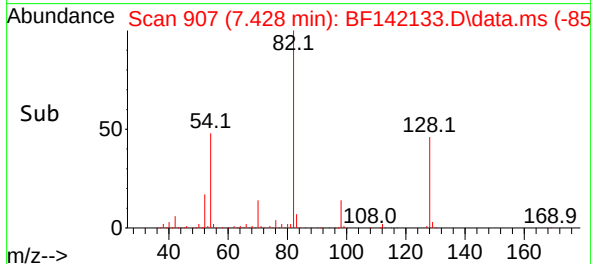
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion: 82 Resp: 696800
Ion Ratio Lower Upper
82 100
128 45.6 36.0 54.0
54 47.5 39.6 59.4

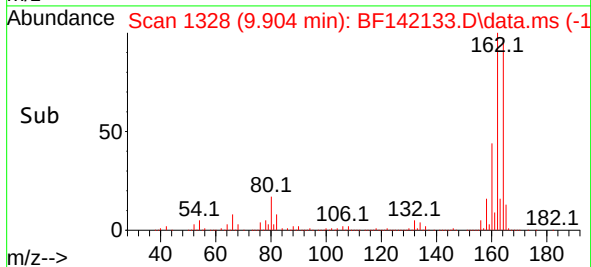
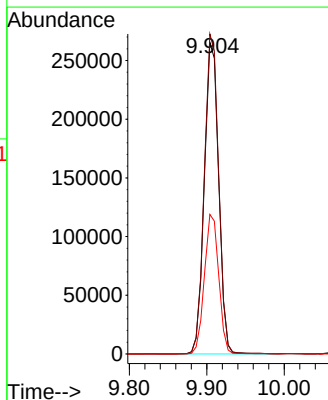
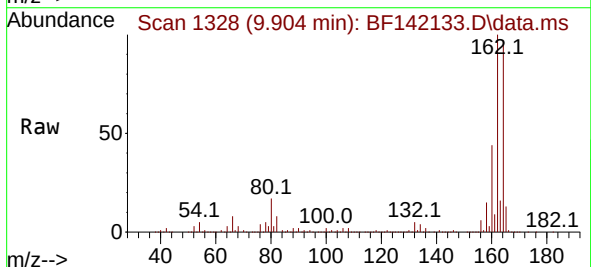
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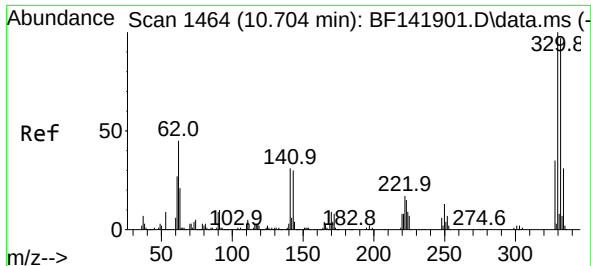
Reviewed By :Anahy Claudio 03/28/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

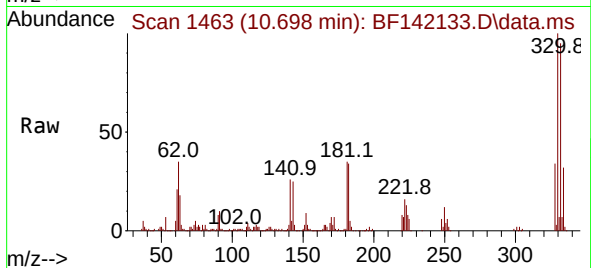
Tgt Ion:164 Resp: 340805
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.6
160 44.8 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 69.254 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

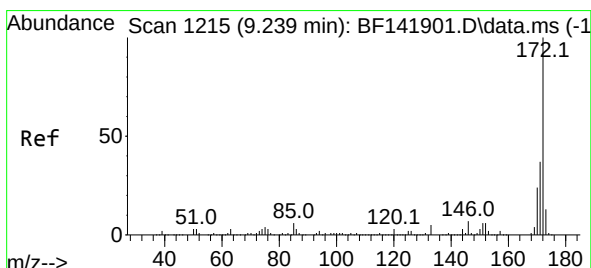
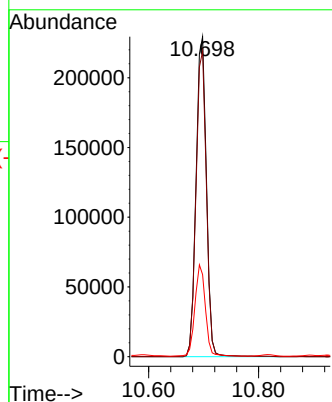
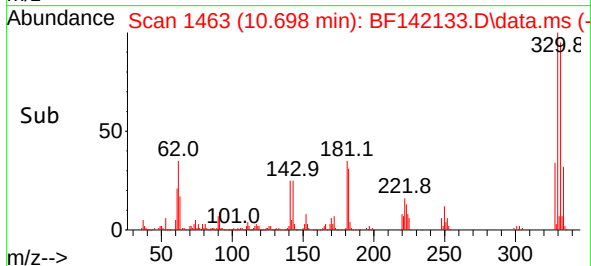
Instrument :
BNA_F
ClientSampleId :
TP-6



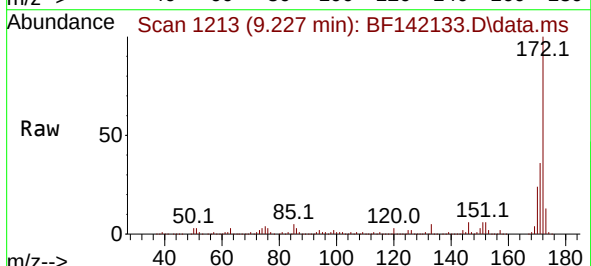
Tgt Ion: 330 Resp: 29942
Ion Ratio Lower Upper
330 100
332 95.9 77.6 116.4
141 28.8 24.7 37.1

Manual Integrations
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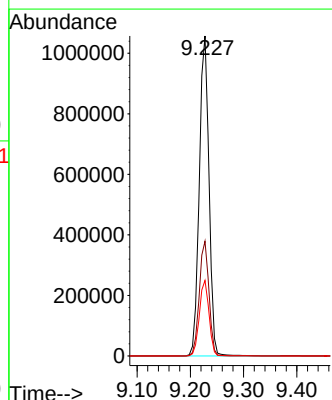
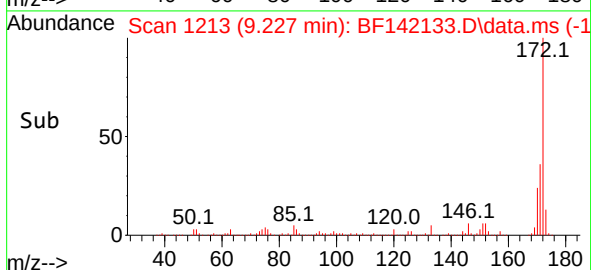
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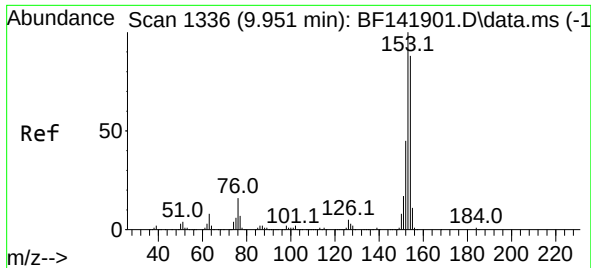


#45
2-Fluorobiphenyl
Concen: 59.769 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14



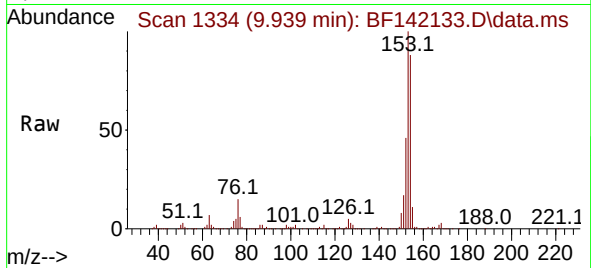
Tgt Ion: 172 Resp: 1339380
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.6 19.4 29.0





#52
Acenaphthene
Concen: 10.463 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

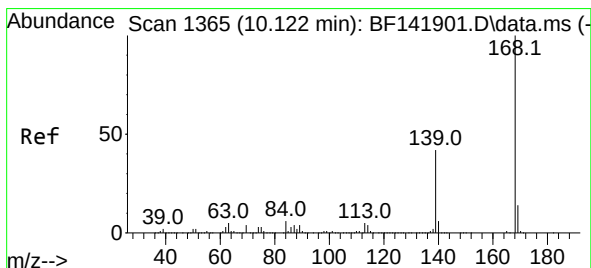
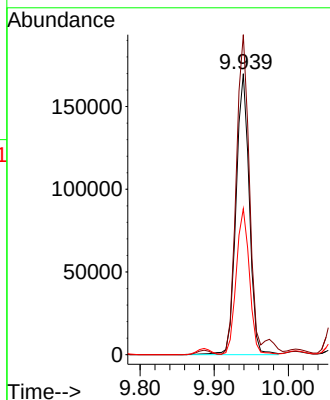
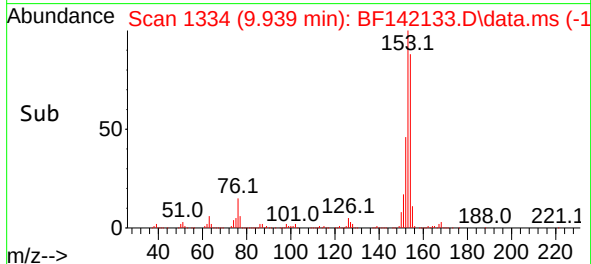
Instrument :
BNA_F
ClientSampleId :
TP-6



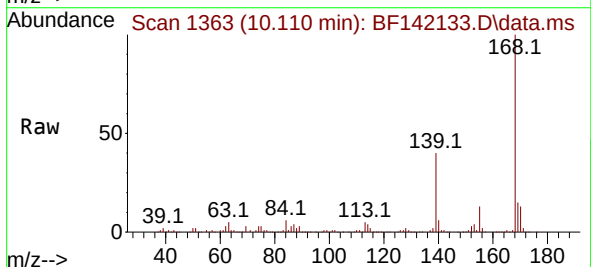
Tgt Ion:154 Resp: 210604
Ion Ratio Lower Upper
154 100
153 113.9 90.7 136.1
152 52.0 41.1 61.7

Manual Integrations
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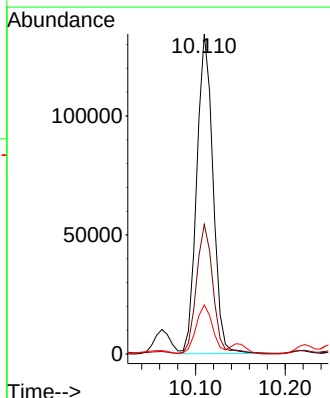
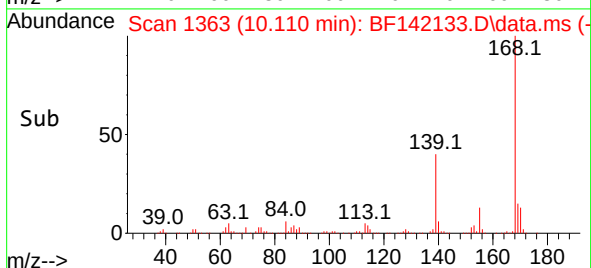
Reviewed By :Anahy Claudio 03/28/2025
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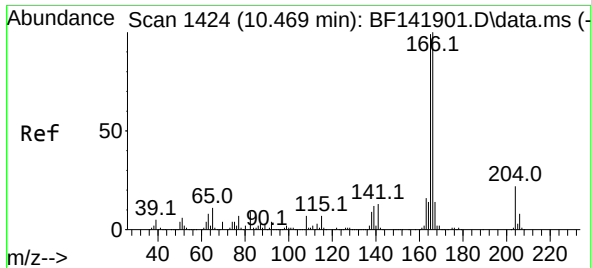


#55
Dibenzofuran
Concen: 5.862 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14



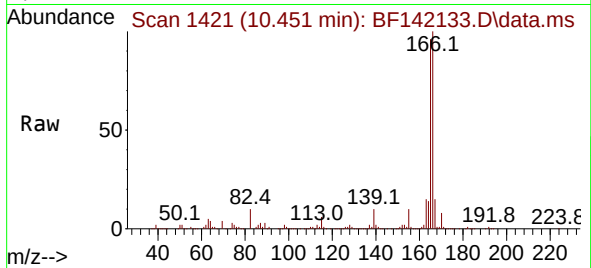
Tgt Ion:168 Resp: 168594
Ion Ratio Lower Upper
168 100
139 40.5 33.9 50.9
169 15.3 11.0 16.4





#58
Fluorene
Concen: 11.429 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

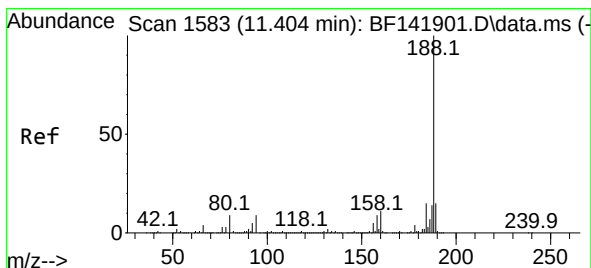
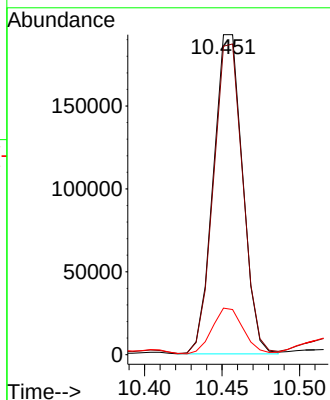
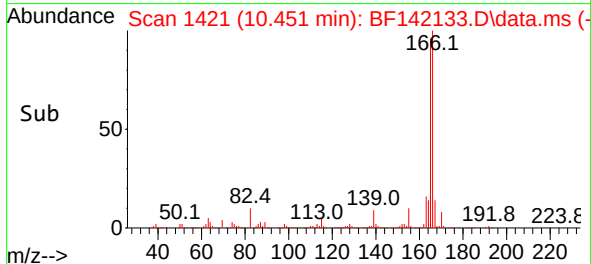
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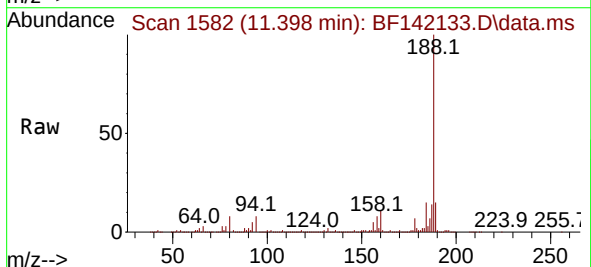
Tgt Ion:166 Resp: 25349
Ion Ratio Lower Upper
166 100
165 96.4 79.0 118.4
167 14.5 11.0 16.4

Manual Integrations
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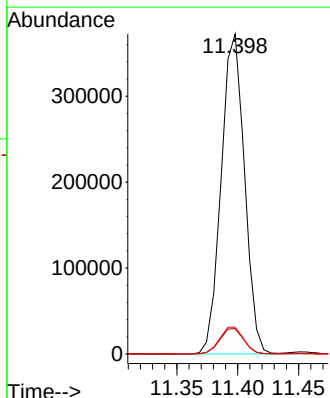
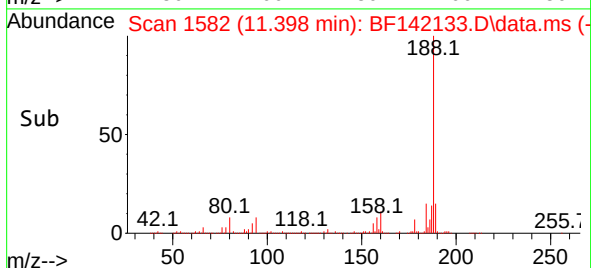
Reviewed By :Anahy Claudio 03/28/2025
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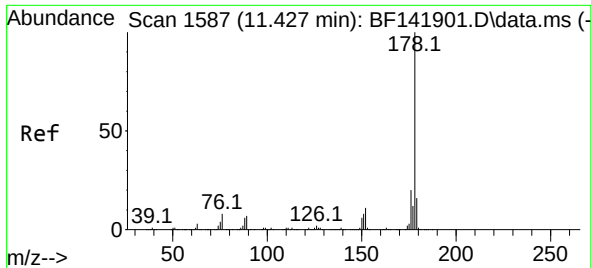


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14



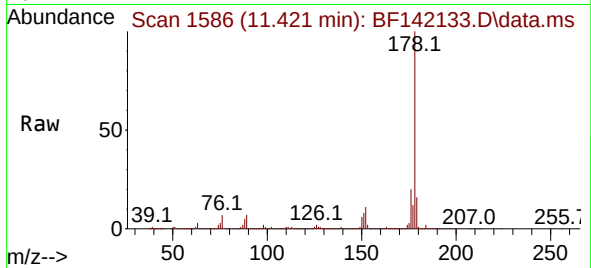
Tgt Ion:188 Resp: 495730
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.4 7.6 11.4





#71
Phenanthrene
Concen: 82.673 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

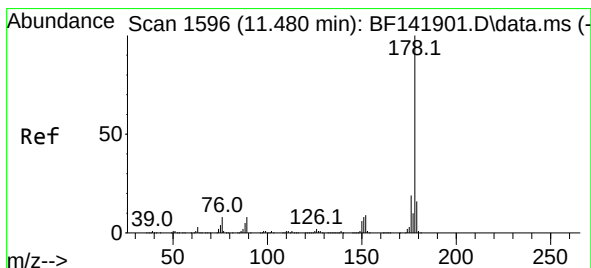
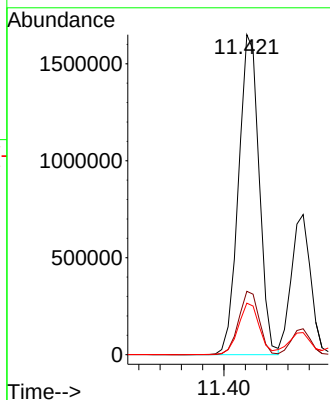
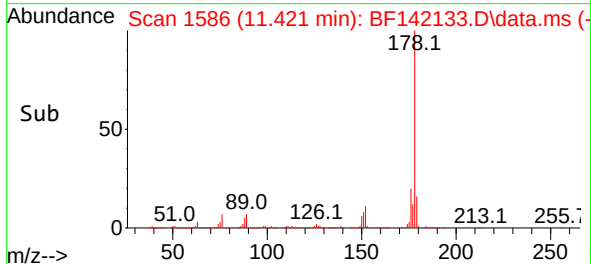
Instrument :
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TP-6



Tgt Ion:178 Resp: 221365
Ion Ratio Lower Upper
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176 19.8 15.8 23.8
179 16.1 12.6 19.0

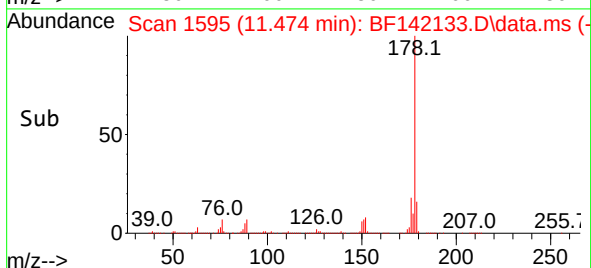
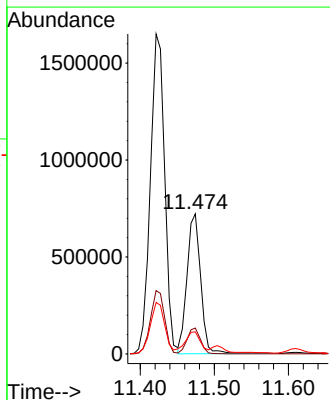
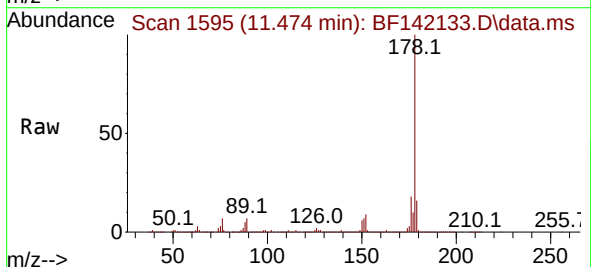
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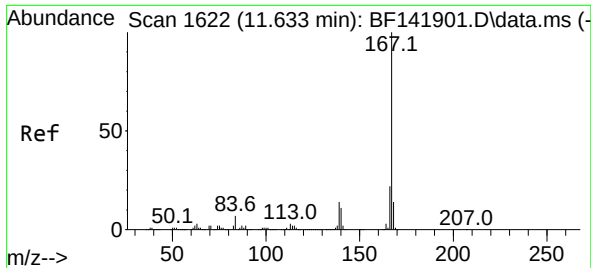
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#72
Anthracene
Concen: 34.589 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

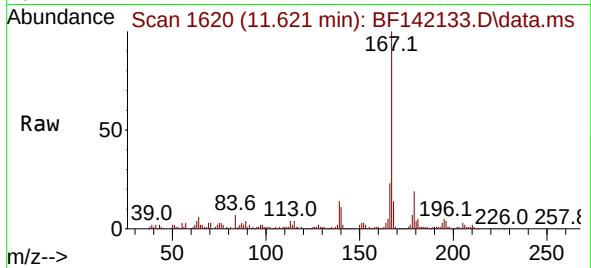
Tgt Ion:178 Resp: 929173
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.7 12.6 19.0





#73
 Carbazole
 Concen: 4.283 ng
 RT: 11.621 min Scan# 1620
 Delta R.T. -0.012 min
 Lab File: BF142133.D
 Acq: 27 Mar 2025 19:14

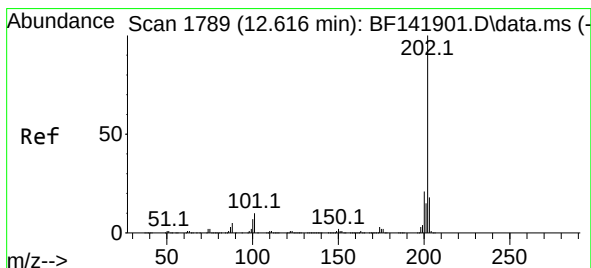
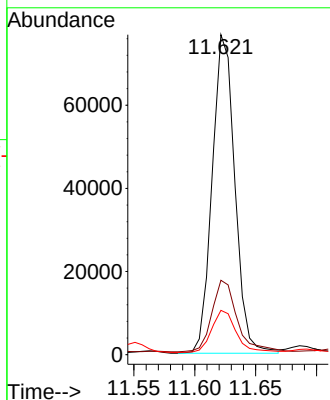
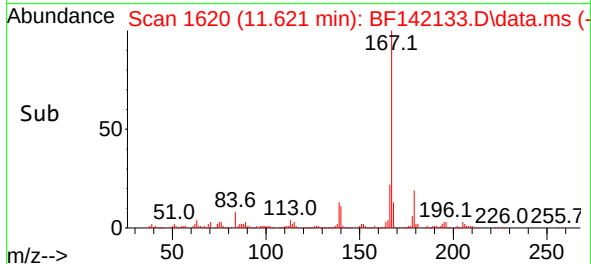
Instrument :
 BNA_F
 ClientSampleId :
 TP-6



Tgt Ion:167 Resp: 99228
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.4 26.2
 139 13.8 11.0 16.6

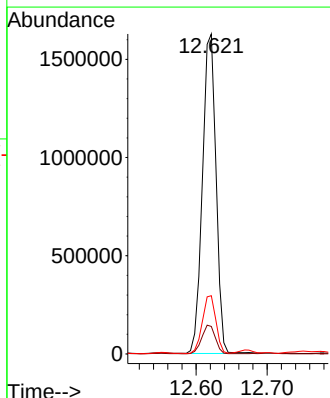
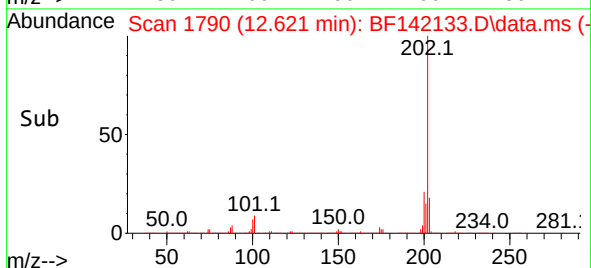
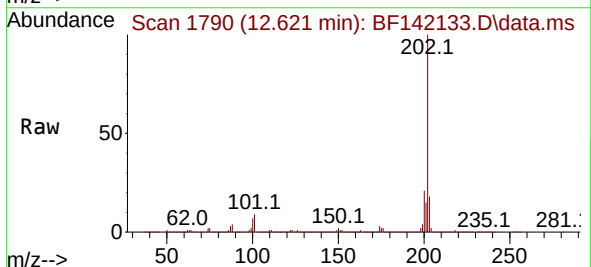
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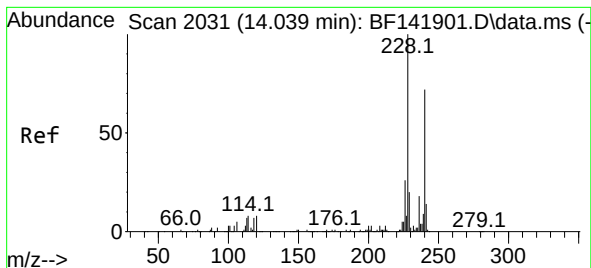
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#75
 Fluoranthene
 Concen: 76.545 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF142133.D
 Acq: 27 Mar 2025 19:14

Tgt Ion:202 Resp: 2174105
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 29.7
 203 18.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF142133.D

Acq: 27 Mar 2025 19:14

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:240 Resp: 321310

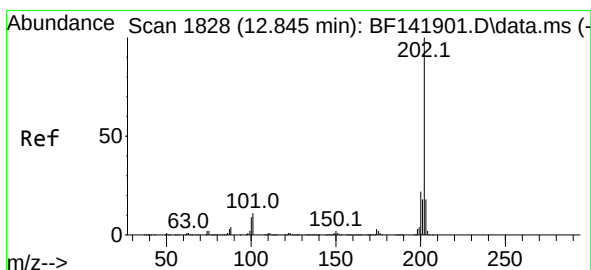
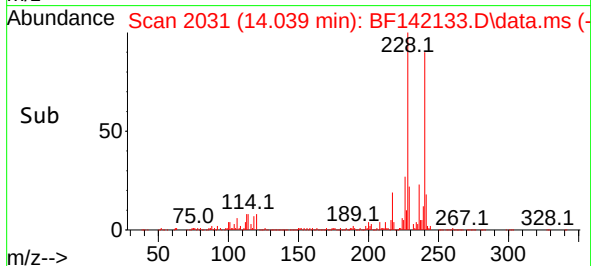
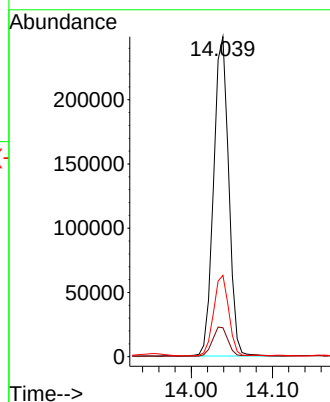
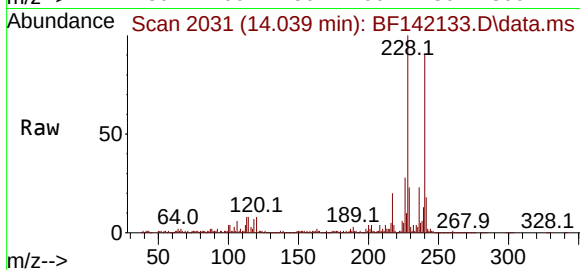
Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.4	12.6
236	25.4	20.5	30.7

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Reviewed By :Anahy Claudio 03/28/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#78

Pyrene

Concen: 68.875 ng

RT: 12.845 min Scan# 1828

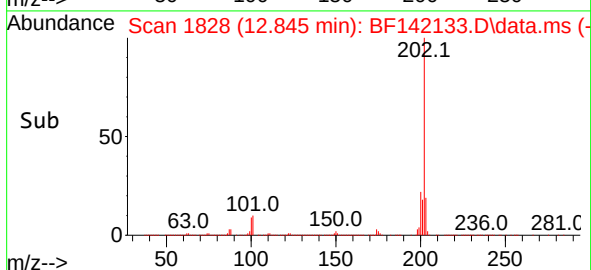
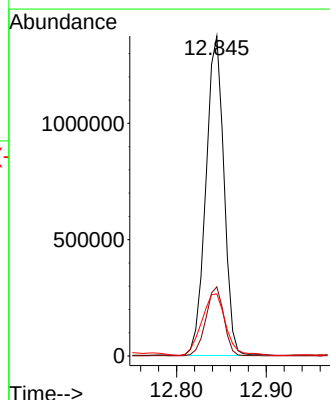
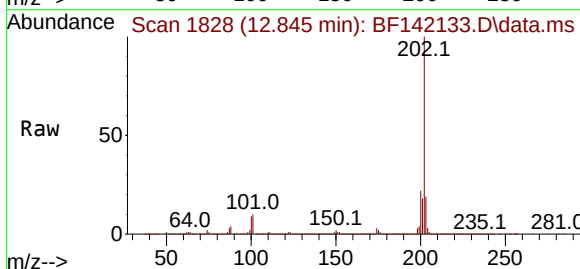
Delta R.T. -0.000 min

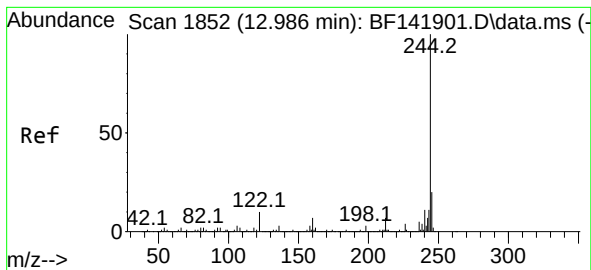
Lab File: BF142133.D

Acq: 27 Mar 2025 19:14

Tgt Ion:202 Resp: 1914313

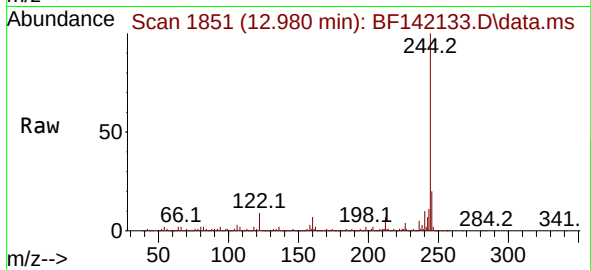
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	19.4	14.4	21.6





#79
 Terphenyl-d14
 Concen: 45.476 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142133.D
 Acq: 27 Mar 2025 19:14

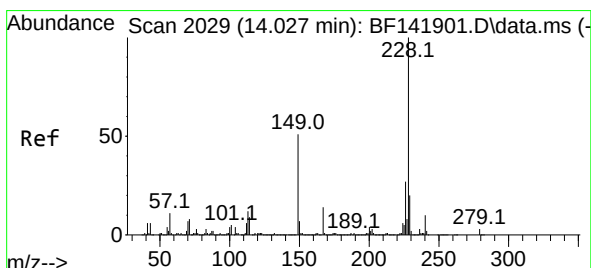
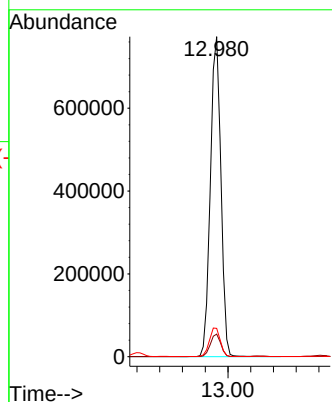
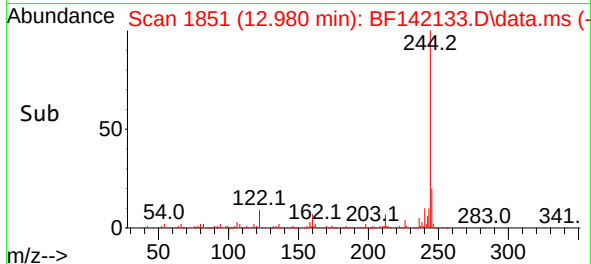
Instrument :
 BNA_F
 ClientSampleId :
 TP-6



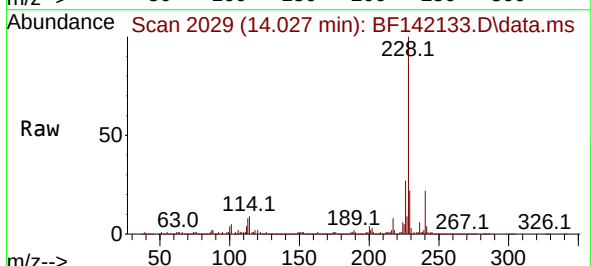
Tgt Ion:244 Resp: 988345
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.9 7.7 11.5

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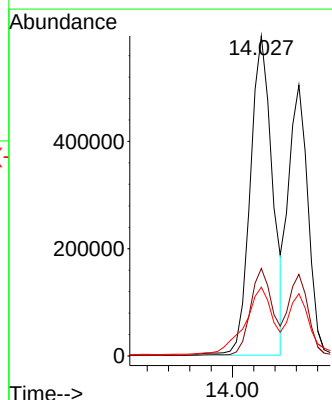
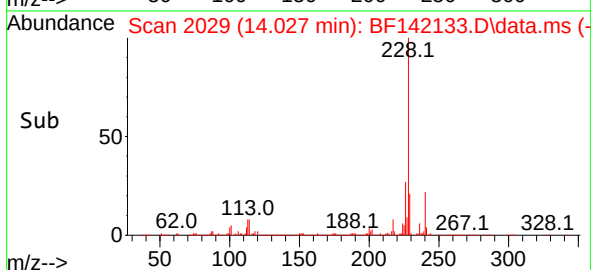
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

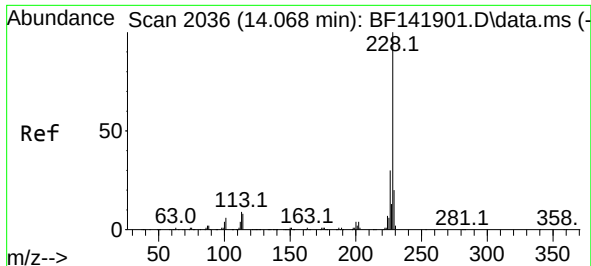


#81
 Benzo(a)anthracene
 Concen: 40.877 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: BF142133.D
 Acq: 27 Mar 2025 19:14



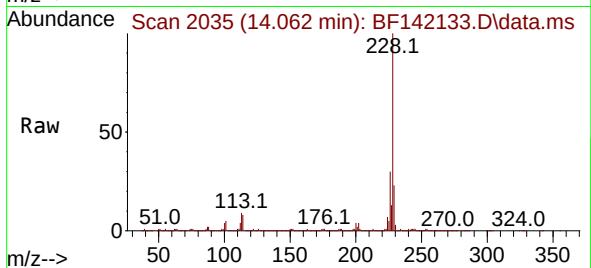
Tgt Ion:228 Resp: 861888
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.8
 229 21.5 16.0 24.0





#83
Chrysene
Concen: 33.426 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

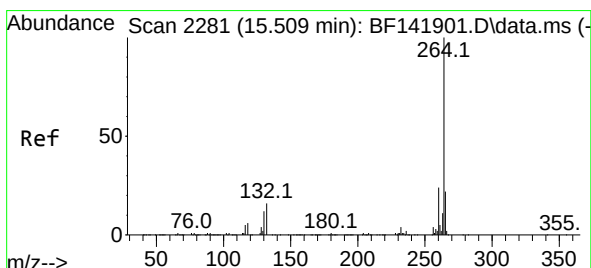
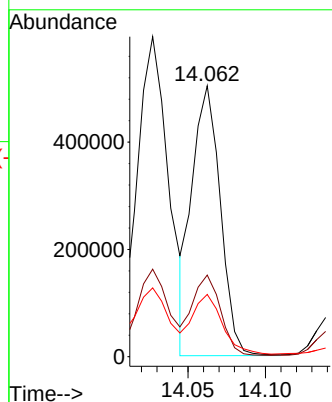
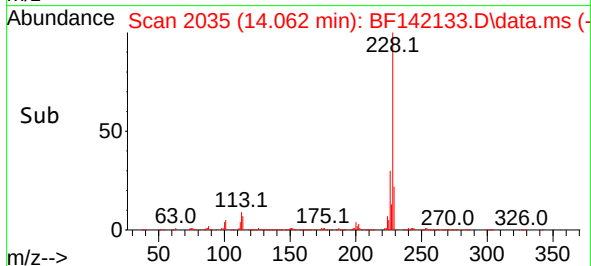
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:228 Resp: 638872
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 23.0 15.7 23.5

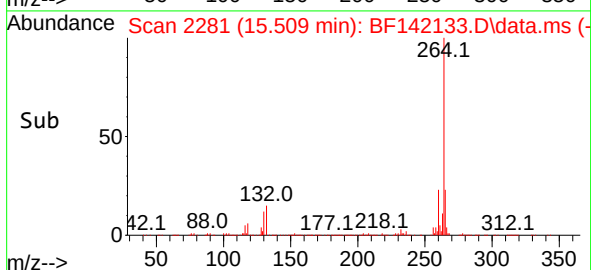
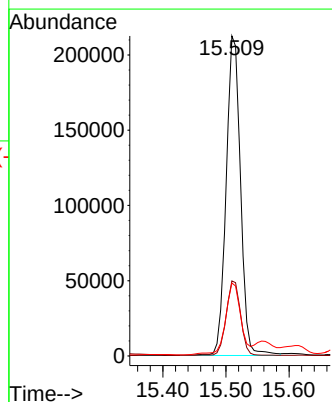
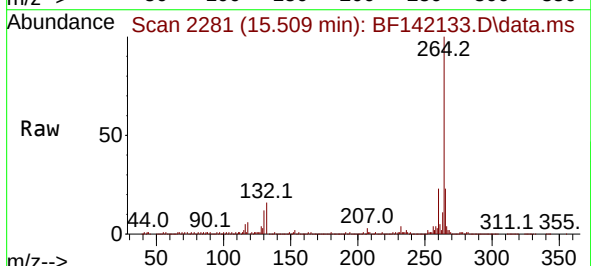
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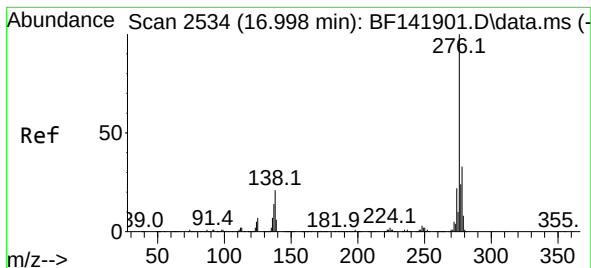
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

Tgt Ion:264 Resp: 335401
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 22.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.799 ng m

RT: 16.992 min Scan# 2534

Delta R.T. -0.006 min

Lab File: BF142133.D

Acq: 27 Mar 2025 19:14

Instrument :

BNA_F

ClientSampleId :

TP-6

Tgt Ion:276 Resp: 25598

Ion Ratio Lower Upper

276 100

138 3.8 18.4 27.6

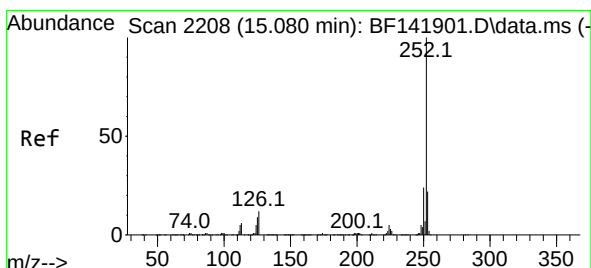
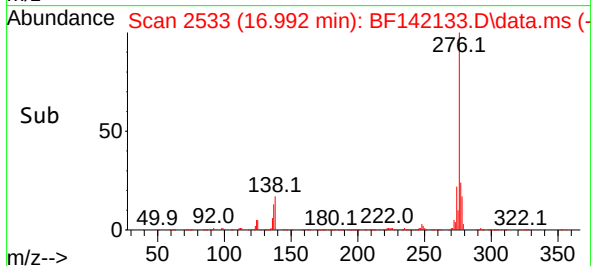
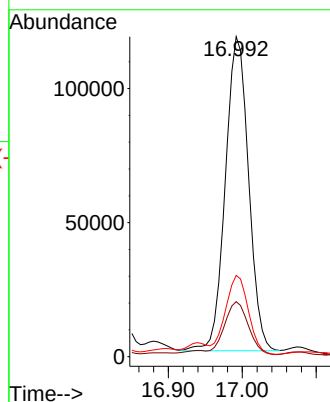
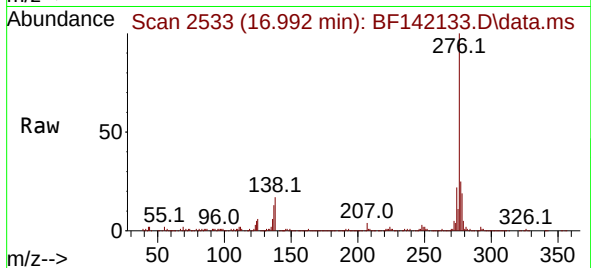
277 4.6 20.3 30.5

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Reviewed By :Anahy Claudio 03/28/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#88

Benzo(b)fluoranthene

Concen: 33.834 ng m

RT: 15.080 min Scan# 2208

Delta R.T. -0.000 min

Lab File: BF142133.D

Acq: 27 Mar 2025 19:14

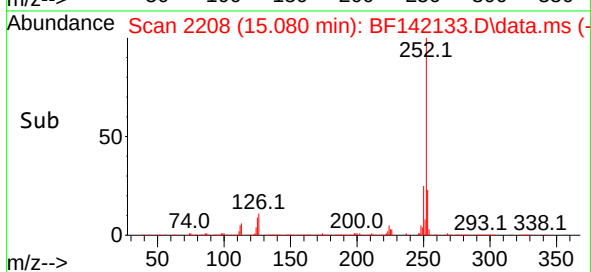
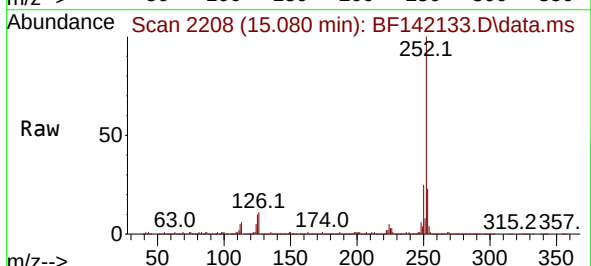
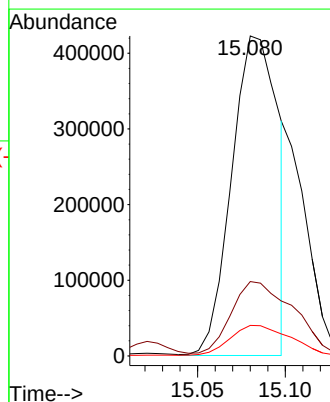
Tgt Ion:252 Resp: 777751

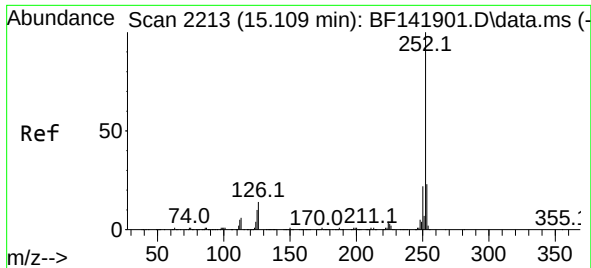
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

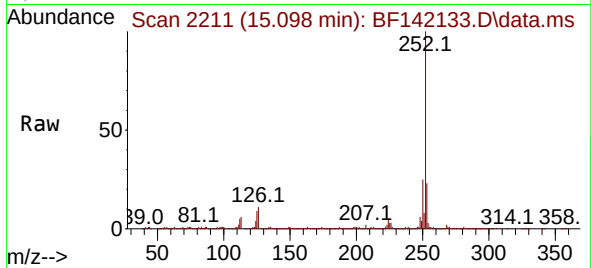
125 9.5 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 12.633 ng m
RT: 15.098 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

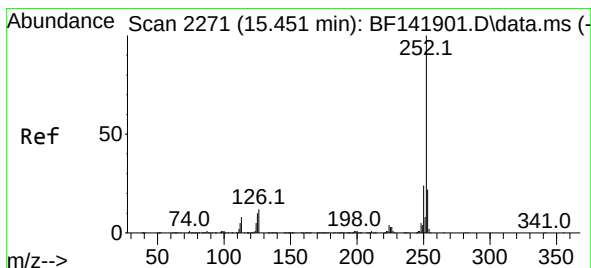
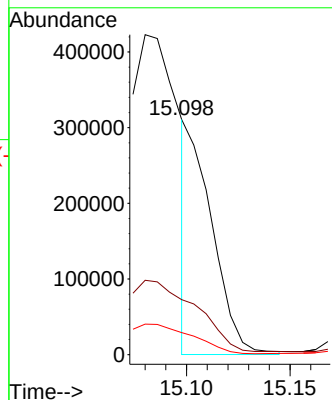
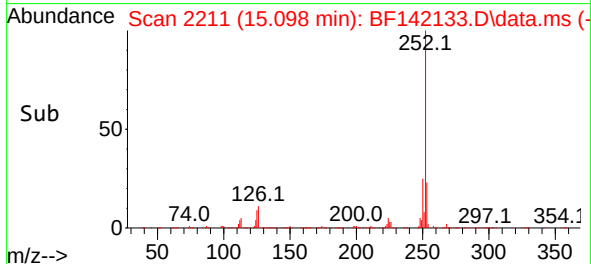
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:252 Resp: 248500
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 9.4 7.2 10.8

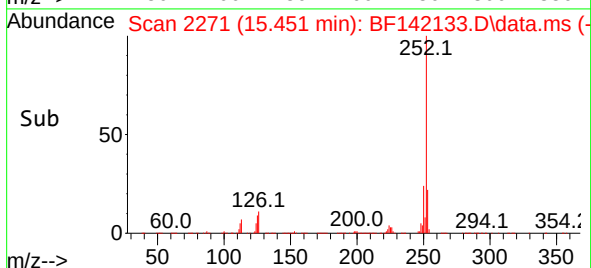
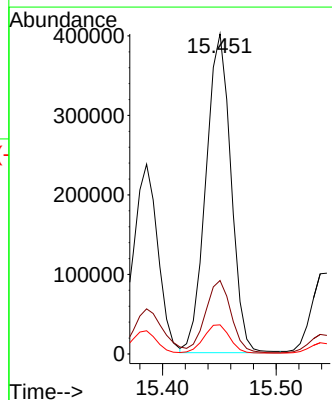
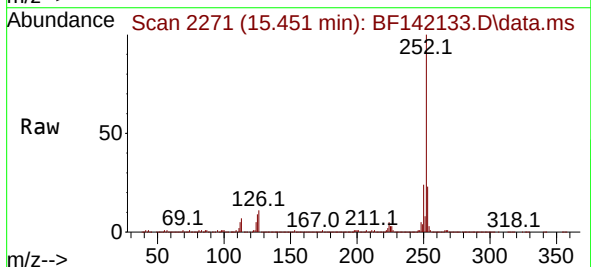
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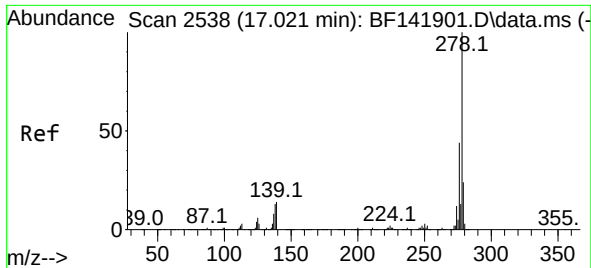
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#90
Benzo(a)pyrene
Concen: 34.200 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

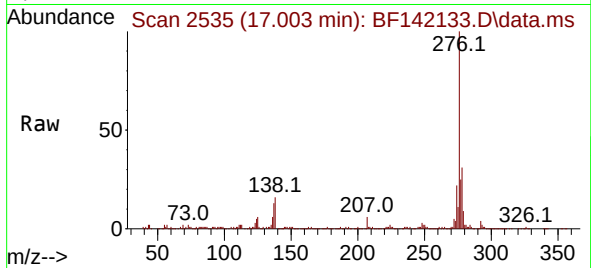
Tgt Ion:252 Resp: 615132
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 9.1 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 3.351 ng
RT: 17.003 min Scan# 2538
Delta R.T. -0.018 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

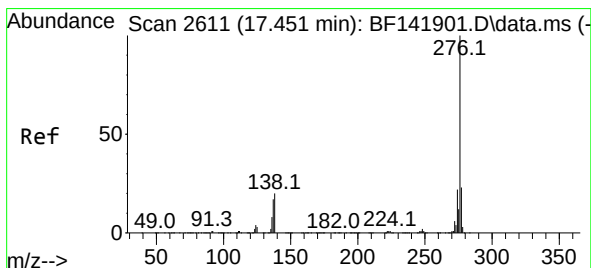
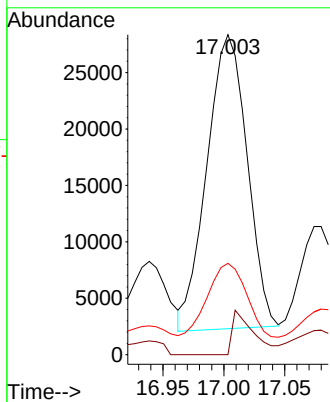
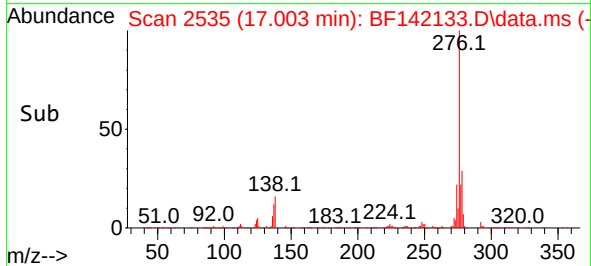
Instrument :
BNA_F
ClientSampleId :
TP-6



Tgt Ion:278 Resp: 59980
Ion Ratio Lower Upper
278 100
139 0.0 11.4 17.2
279 28.5 18.8 28.2

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



#92
Benzo(g,h,i)perylene
Concen: 12.920 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF142133.D
Acq: 27 Mar 2025 19:14

Tgt Ion:276 Resp: 228562
Ion Ratio Lower Upper
276 100
277 24.1 18.7 28.1
138 18.6 15.8 23.8

