

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142130.D
 Acq On : 27 Mar 2025 17:46
 Operator : RC/JU
 Sample : Q1648-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

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

Quant Time: Mar 27 18:21:41 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	158301	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	635244	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	358729	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	553617	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	314890	20.000	ng	0.00
86) Perylene-d12	15.510	264	359543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	508495	53.610	ng	-0.01
7) Phenol-d6	6.493	99	633620	52.467	ng	-0.01
23) Nitrobenzene-d5	7.428	82	421205	37.314	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	152198	33.443	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	975649	41.362	ng	-0.02
79) Terphenyl-d14	12.980	244	798175	37.475	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	857462	28.675	ng	99
72) Anthracene	11.469	178	182934	6.098	ng	99
75) Fluoranthene	12.610	202	1423159	44.867	ng	99
78) Pyrene	12.839	202	1288584	47.308	ng	99
81) Benzo(a)anthracene	14.027	228	723783	35.028	ng	98
83) Chrysene	14.063	228	555659	29.666	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	326409	14.034	ng	94
88) Benzo(b)fluoranthene	15.080	252	853102m	34.621	ng	
89) Benzo(k)fluoranthene	15.098	252	244415m	11.590	ng	
90) Benzo(a)pyrene	15.451	252	601968	31.221	ng	98
91) Dibenzo(a,h)anthracene	17.004	278	84667	4.412	ng	94
92) Benzo(g,h,i)perylene	17.445	276	297230	15.674	ng	98

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

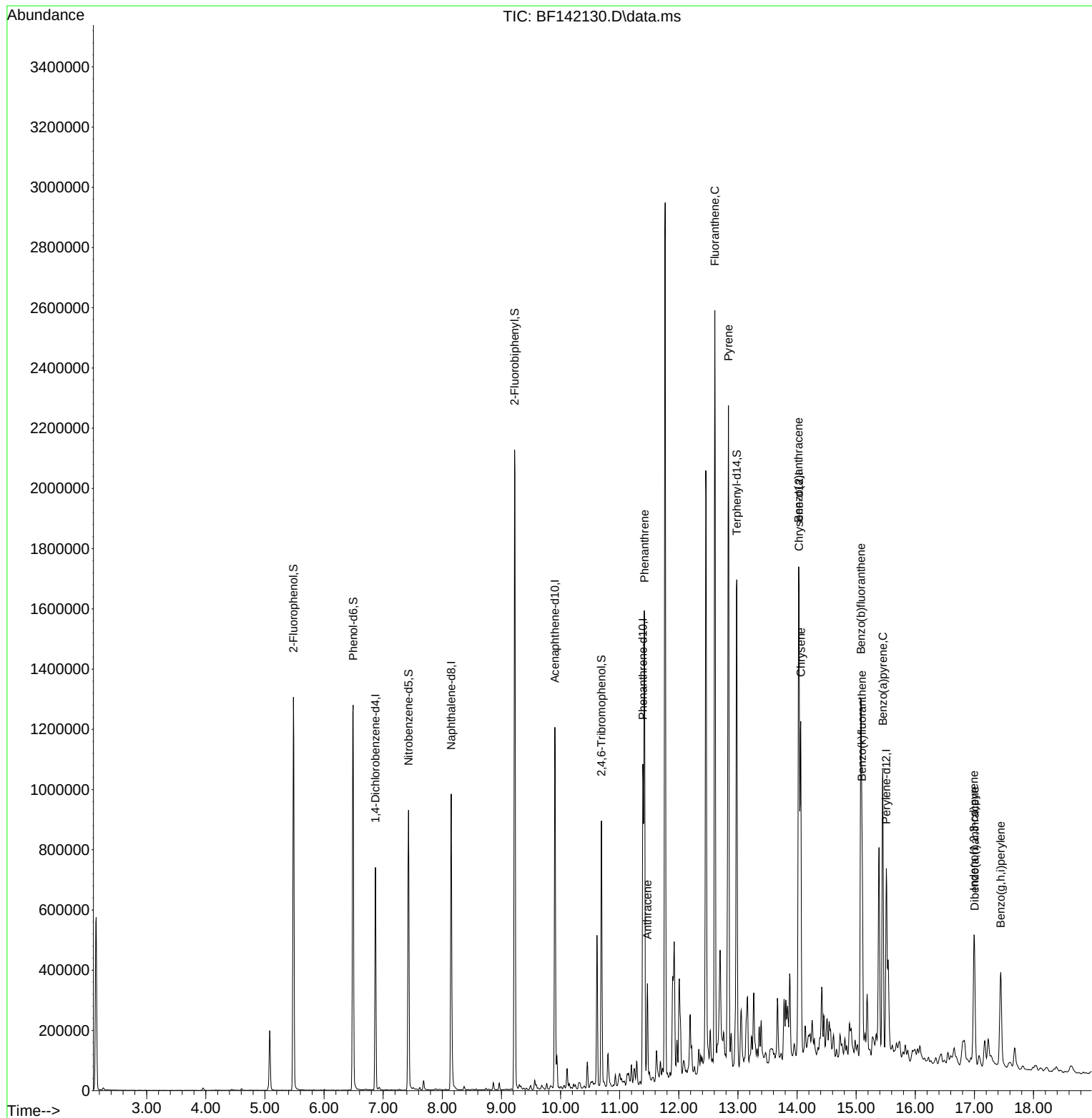
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Data File : BF142130.D
Acq On : 27 Mar 2025 17:46
Operator : RC/JU
Sample : Q1648-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

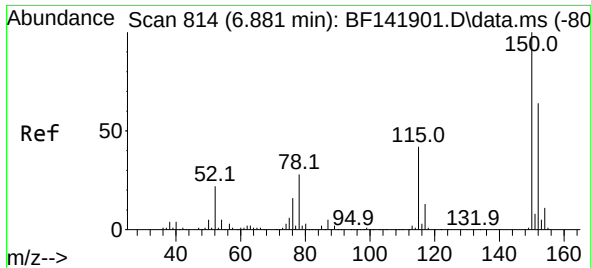
Instrument :
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Quant Time: Mar 27 18:21:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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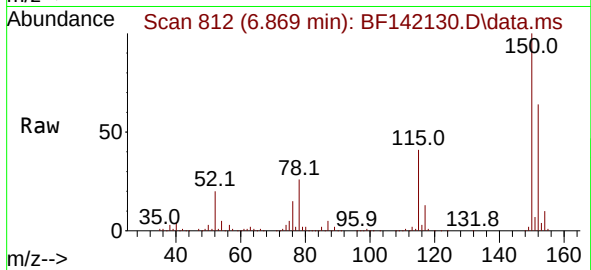
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

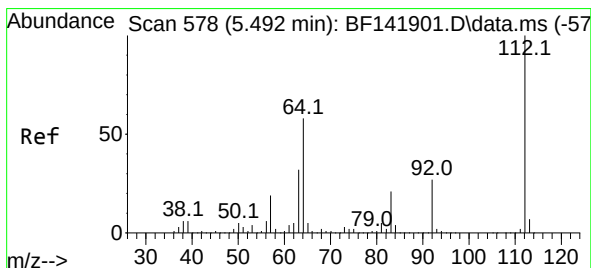
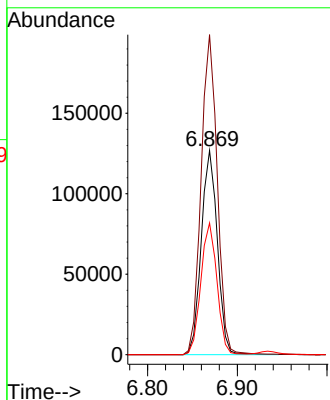
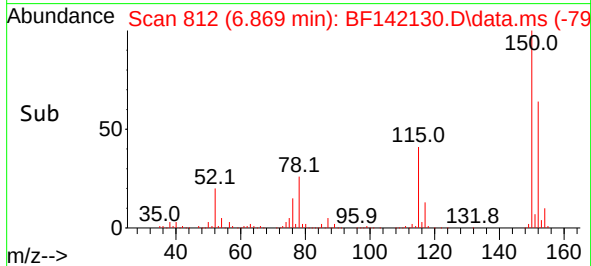
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion:152 Resp: 15830
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 64.5 51.9 77.9

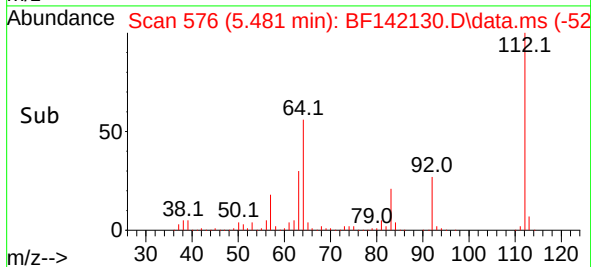
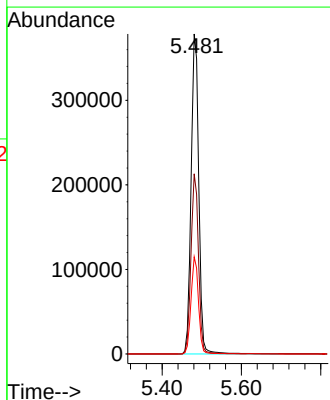
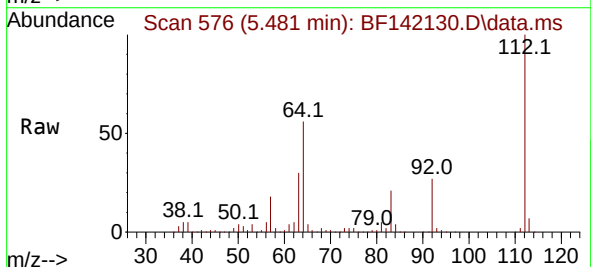
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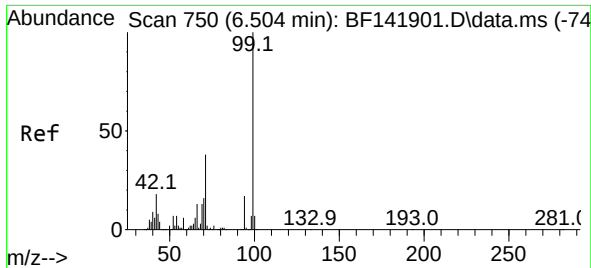
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 53.610 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

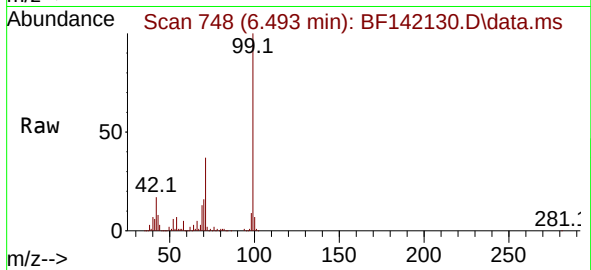
Tgt Ion:112 Resp: 508495
Ion Ratio Lower Upper
112 100
64 56.3 46.5 69.7
63 30.4 25.4 38.2





#7
Phenol-d6
Concen: 52.467 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

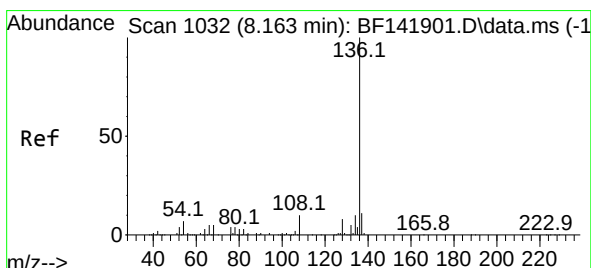
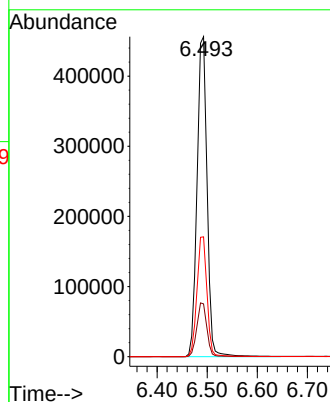
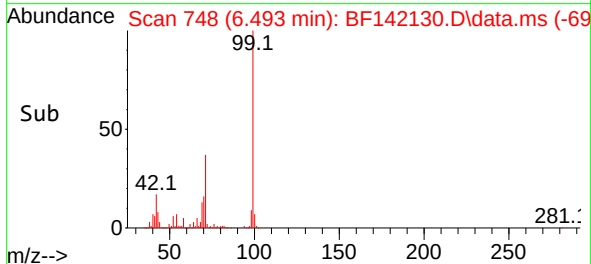
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion: 99 Resp: 633620
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 37.5 30.8 46.2

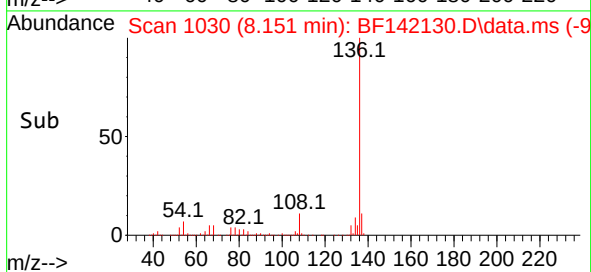
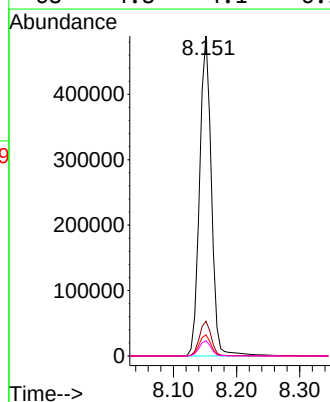
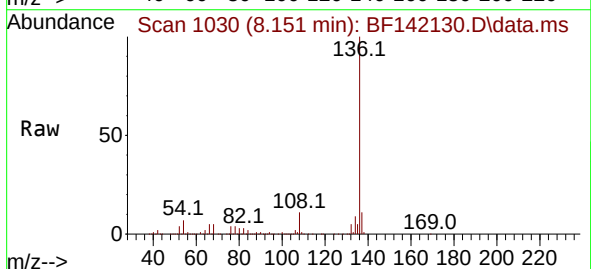
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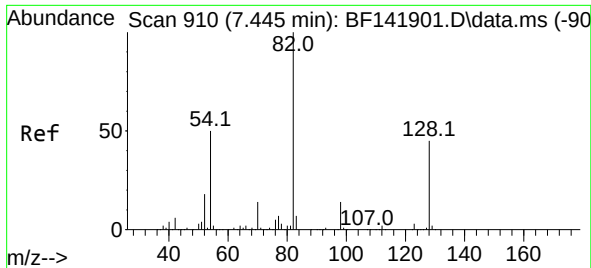
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

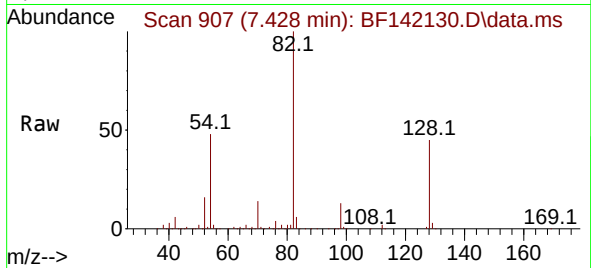
Tgt Ion:136 Resp: 635244
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.6 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 37.314 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.017 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

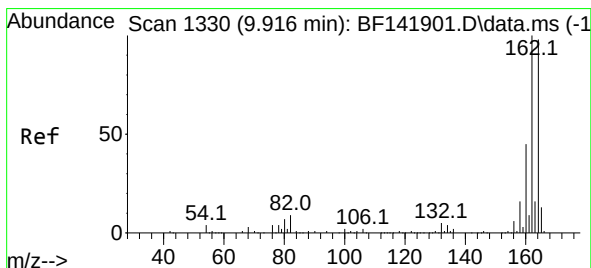
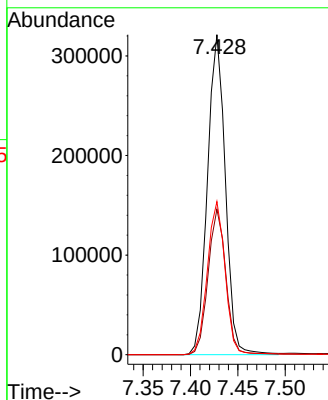
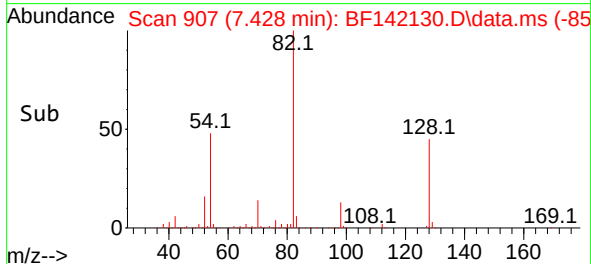
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion: 82 Resp: 421205
Ion Ratio Lower Upper
82 100
128 45.5 36.0 54.0
54 47.8 39.6 59.4

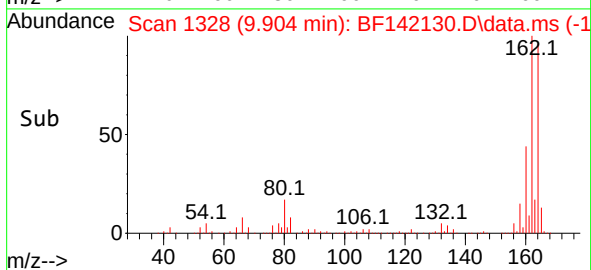
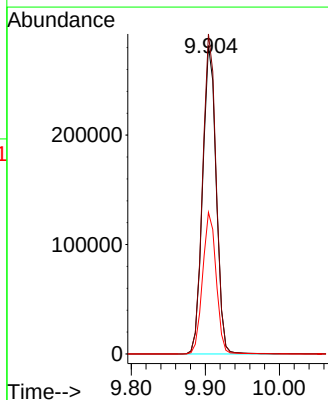
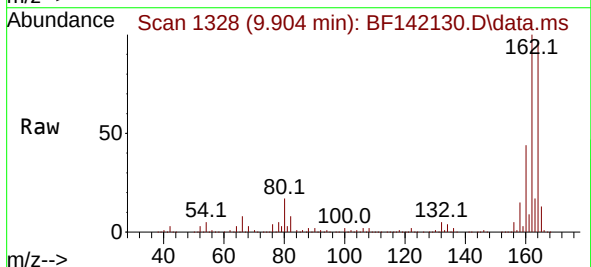
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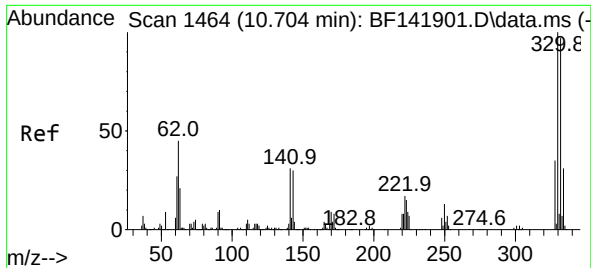
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

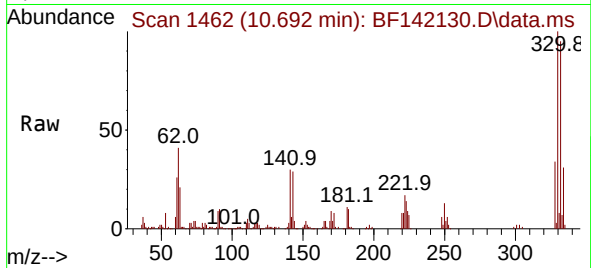
Tgt Ion:164 Resp: 358729
Ion Ratio Lower Upper
164 100
162 103.8 81.8 122.6
160 45.9 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 33.443 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

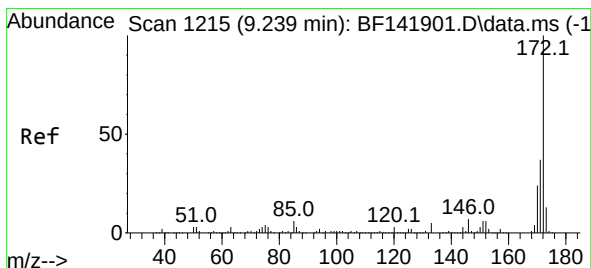
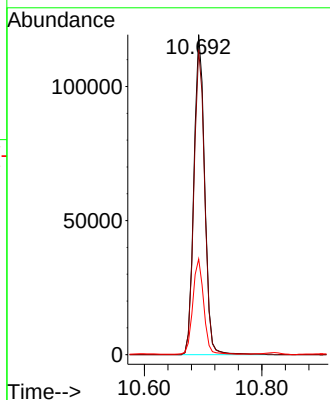
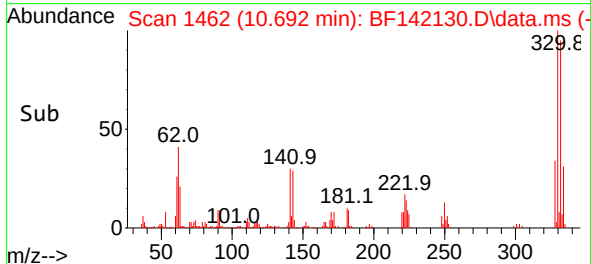
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BNA_F
ClientSampleId :
TP-4



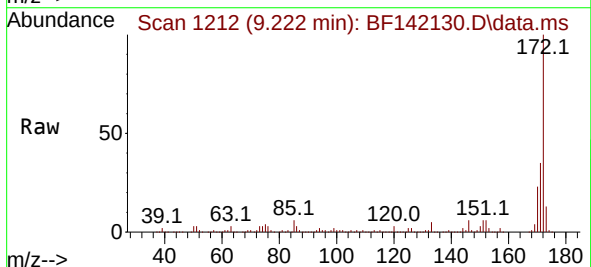
Tgt Ion:330 Resp: 152198
Ion Ratio Lower Upper
330 100
332 95.4 77.6 116.4
141 30.0 24.7 37.1

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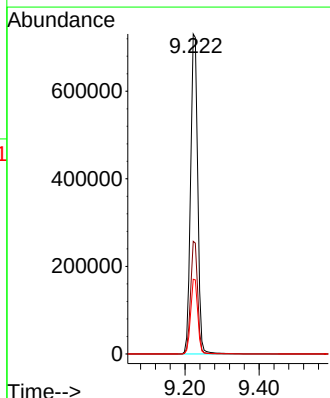
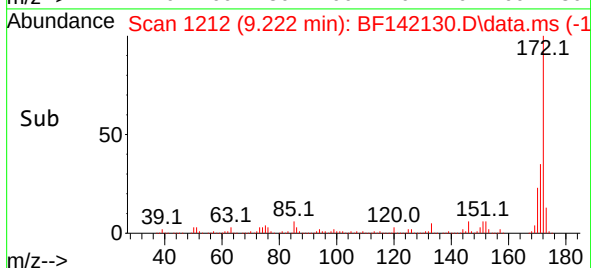
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

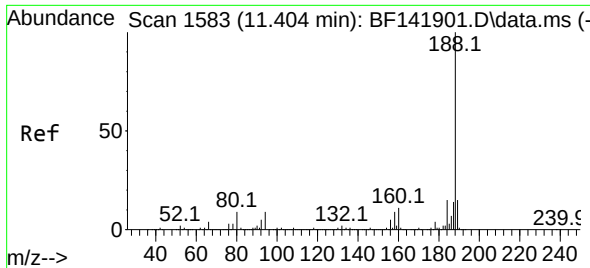


#45
2-Fluorobiphenyl
Concen: 41.362 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.017 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46



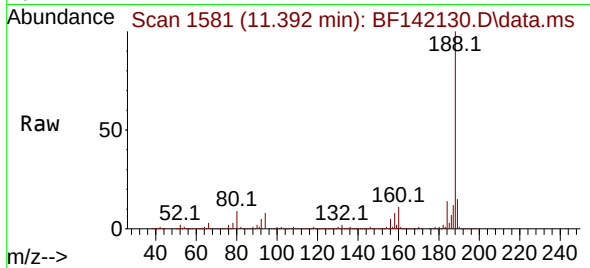
Tgt Ion:172 Resp: 975649
Ion Ratio Lower Upper
172 100
171 35.2 29.3 43.9
170 23.3 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

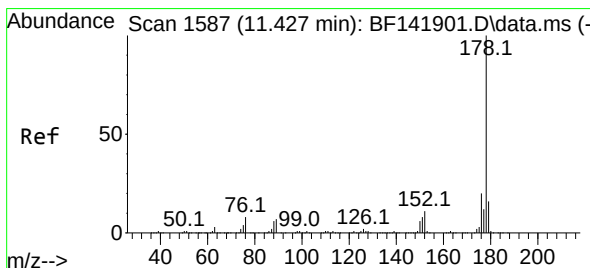
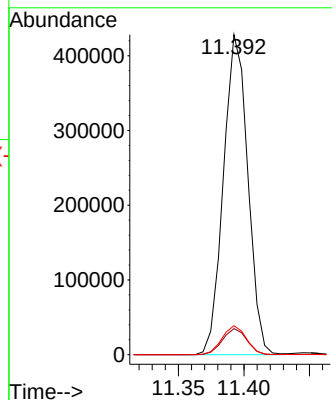
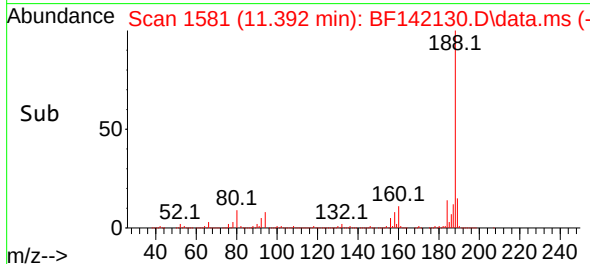
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BNA_F
ClientSampleId :
TP-4



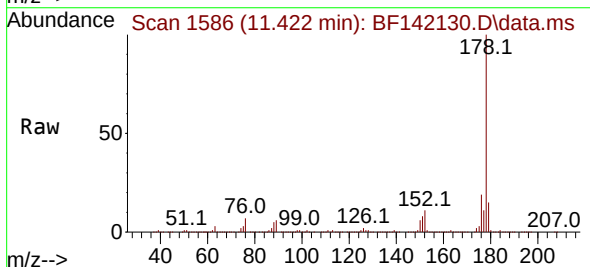
Tgt Ion:188 Resp: 55361
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.1 7.6 11.4

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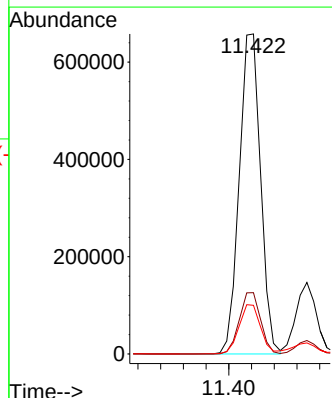
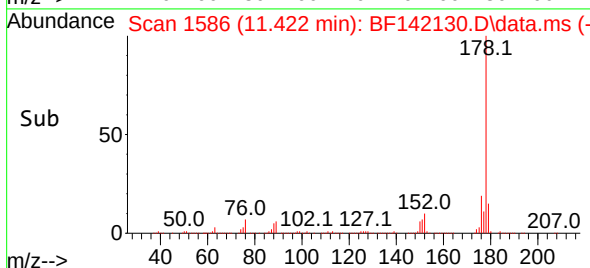
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025

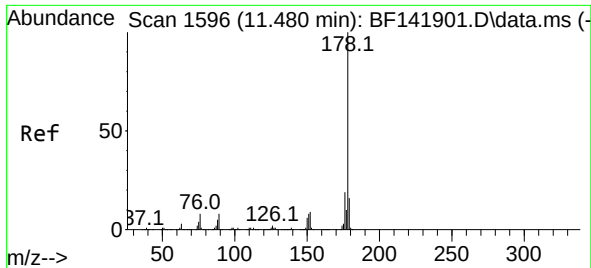


#71
Phenanthrene
Concen: 28.675 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46



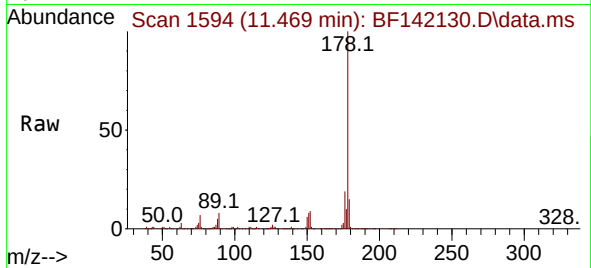
Tgt Ion:178 Resp: 857462
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.2 12.6 19.0





#72
 Anthracene
 Concen: 6.098 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142130.D
 Acq: 27 Mar 2025 17:46

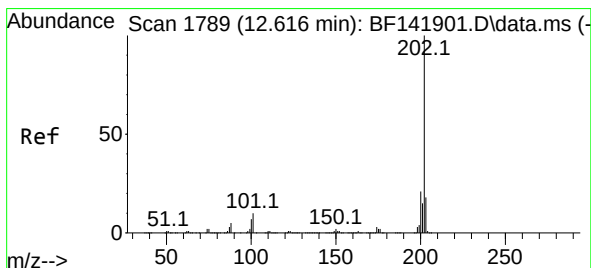
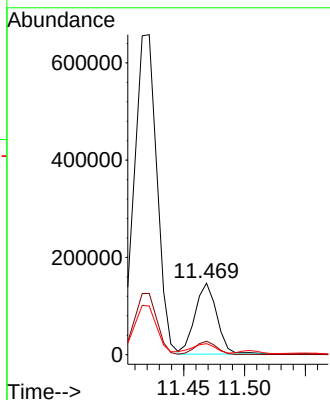
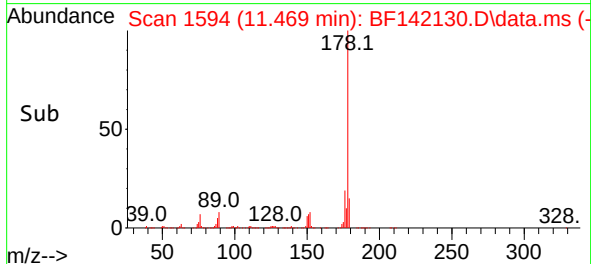
Instrument :
 BNA_F
 ClientSampleId :
 TP-4



Tgt Ion:178 Resp: 182934
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.4 12.6 19.0

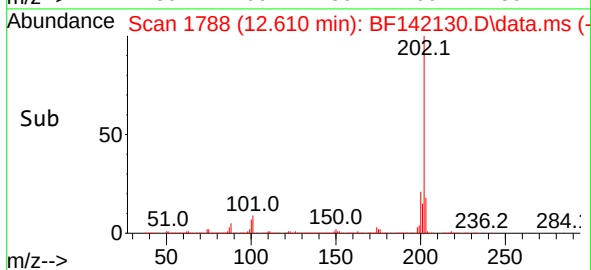
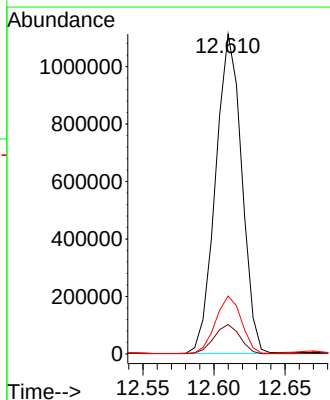
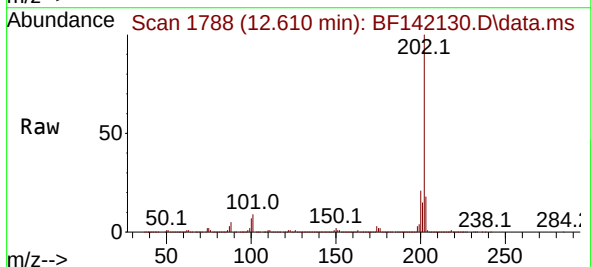
Manual Integrations
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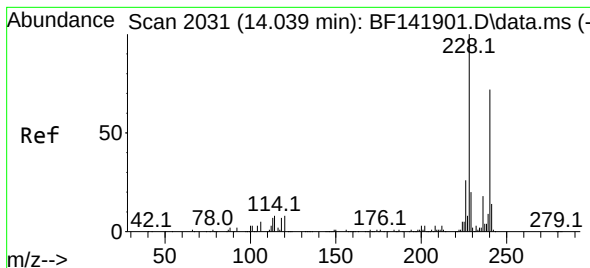
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#75
 Fluoranthene
 Concen: 44.867 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF142130.D
 Acq: 27 Mar 2025 17:46

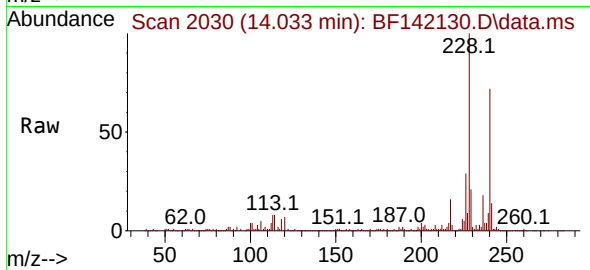
Tgt Ion:202 Resp: 1423159
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.7
 203 18.1 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

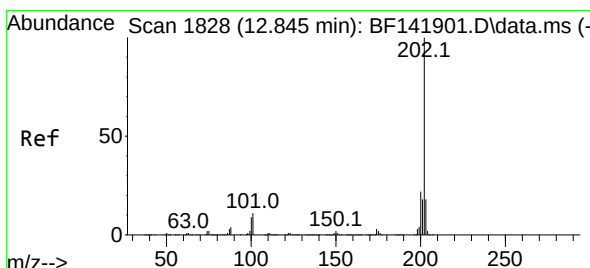
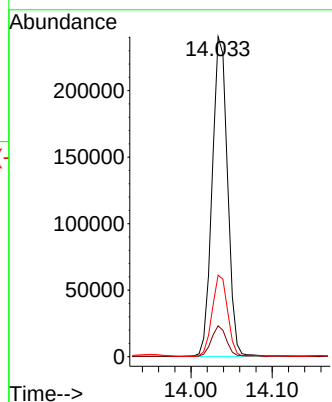
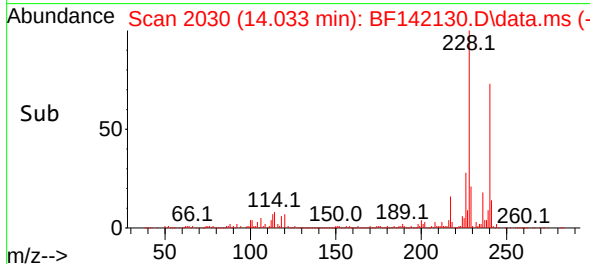
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion:240 Resp: 314890
Ion Ratio Lower Upper
240 100
120 9.7 8.4 12.6
236 25.5 20.5 30.7

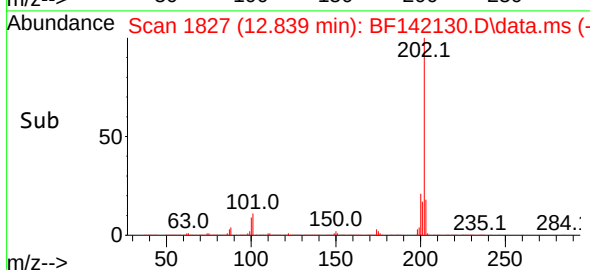
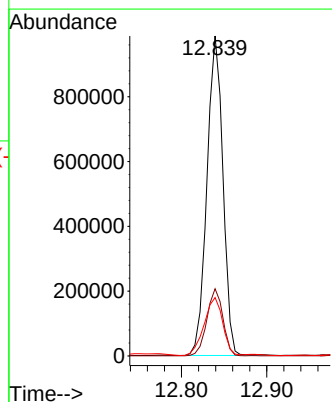
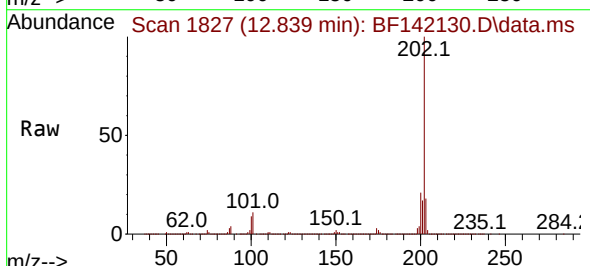
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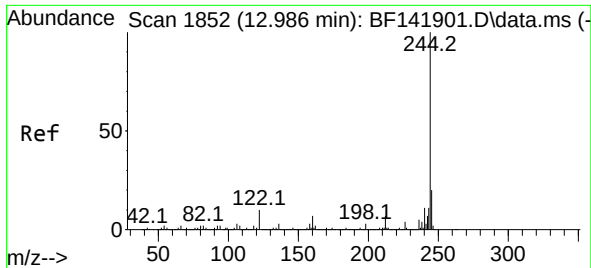
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#78
Pyrene
Concen: 47.308 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

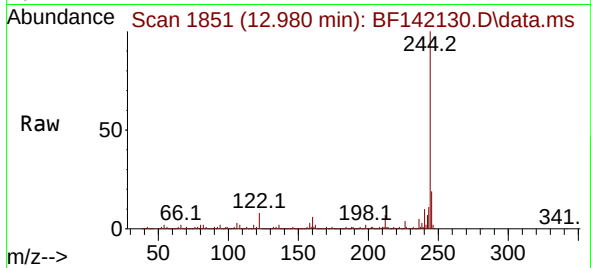
Tgt Ion:202 Resp: 1288584
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 18.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 37.475 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142130.D
 Acq: 27 Mar 2025 17:46

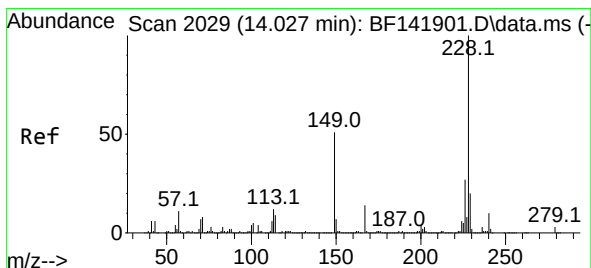
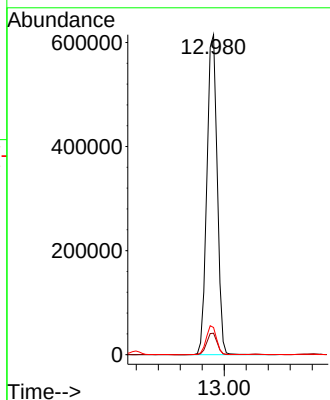
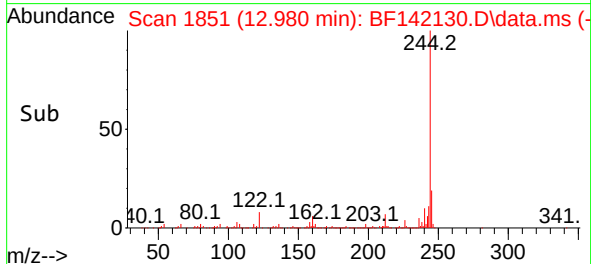
Instrument :
 BNA_F
 ClientSampleId :
 TP-4



Tgt Ion:244 Resp: 798175
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 8.5 7.7 11.5

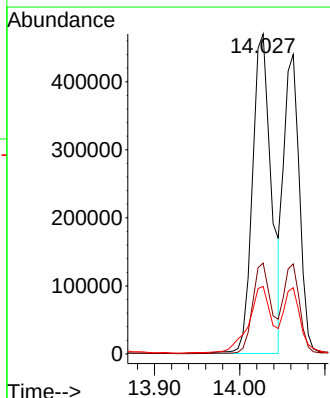
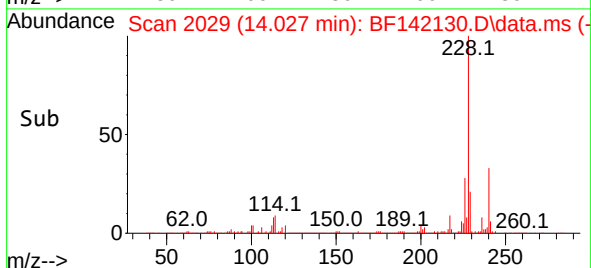
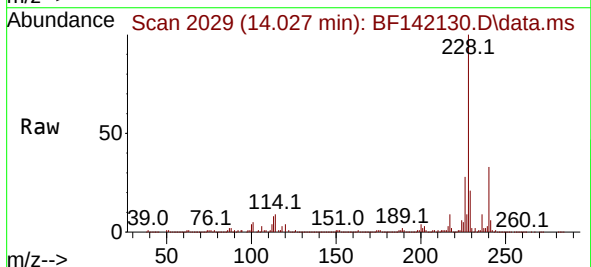
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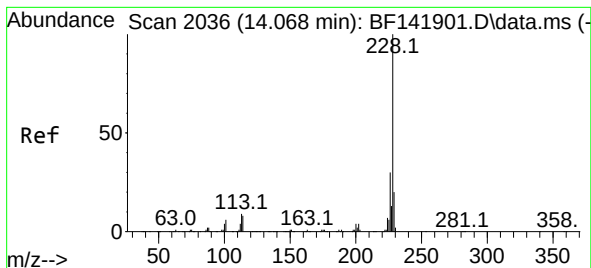
Reviewed By :Anahy Claudio 03/28/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#81
 Benzo(a)anthracene
 Concen: 35.028 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF142130.D
 Acq: 27 Mar 2025 17:46

Tgt Ion:228 Resp: 723783
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 21.1 16.0 24.0





#83

Chrysene

Concen: 29.666 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF142130.D

Acq: 27 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4

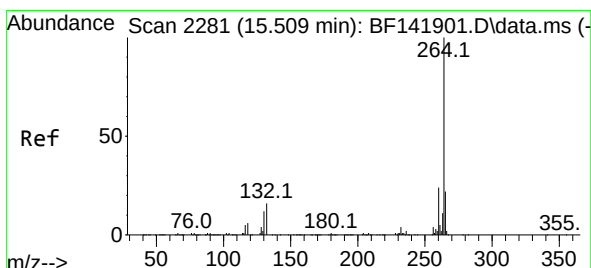
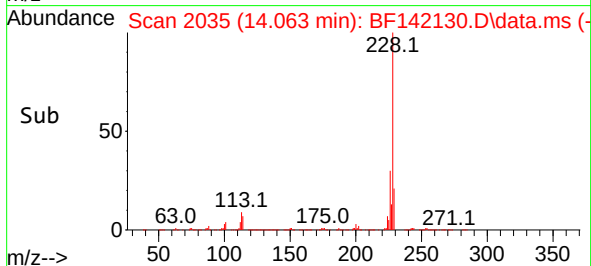
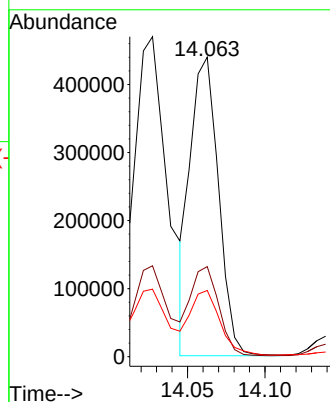
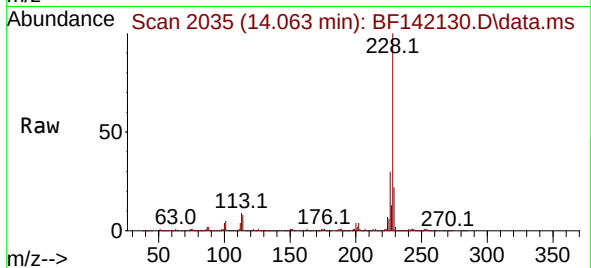
Tgt Ion:228 Resp: 555659
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.1 36.1
 229 22.1 15.7 23.5

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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

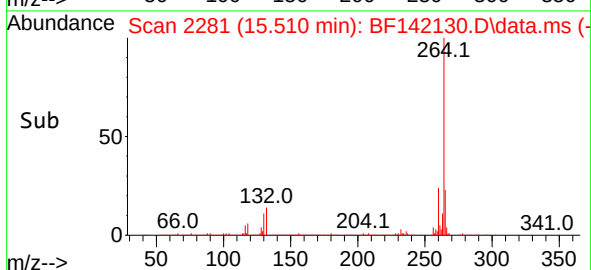
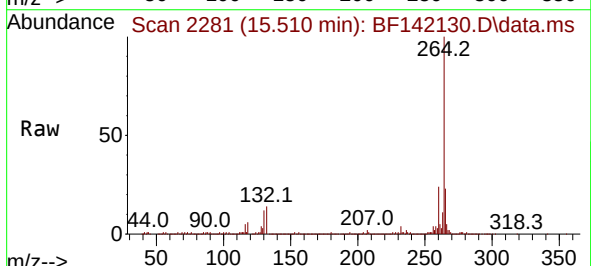
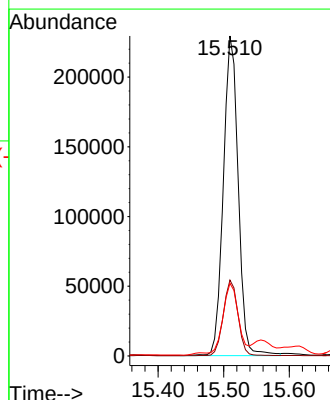
RT: 15.510 min Scan# 2281

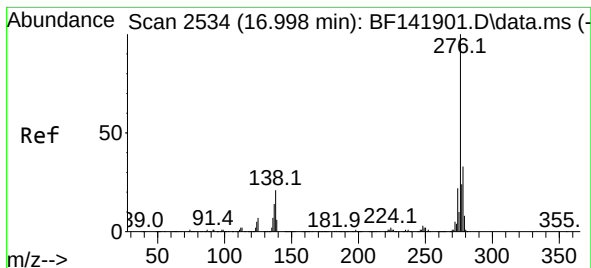
Delta R.T. 0.000 min

Lab File: BF142130.D

Acq: 27 Mar 2025 17:46

Tgt Ion:264 Resp: 359543
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 22.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.034 ng

RT: 16.992 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF142130.D

Acq: 27 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion:276 Resp: 326409

Ion Ratio Lower Upper

276 100

138 18.4 18.4 27.6

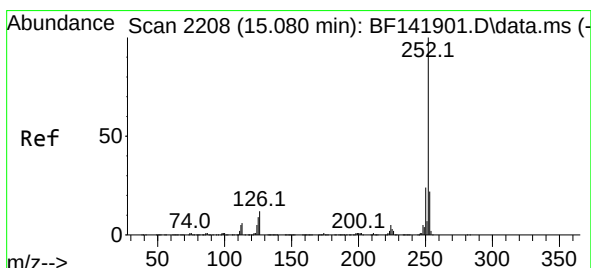
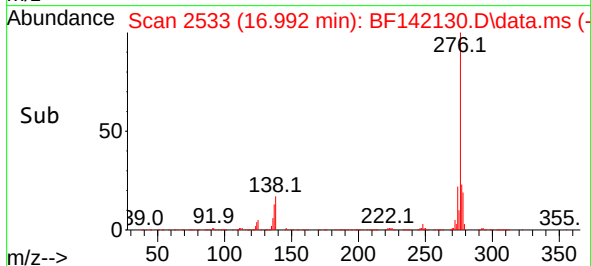
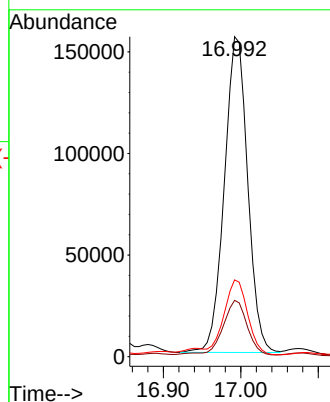
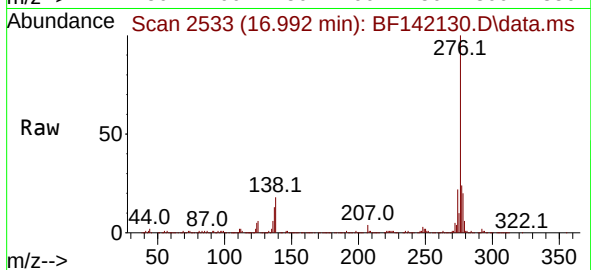
277 24.1 20.3 30.5

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Reviewed By :Anahy Claudio 03/28/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#88

Benzo(b)fluoranthene

Concen: 34.621 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142130.D

Acq: 27 Mar 2025 17:46

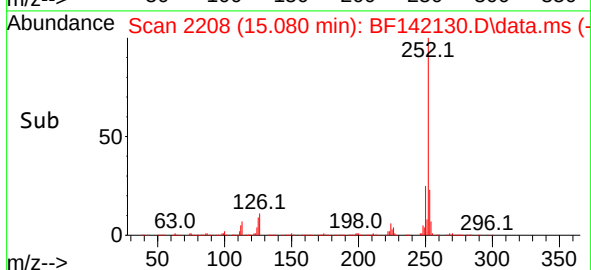
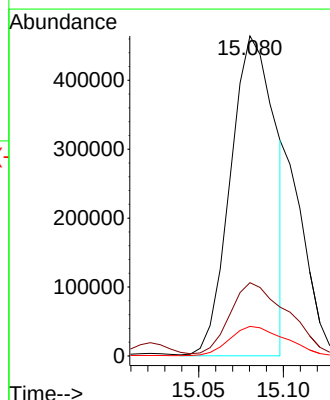
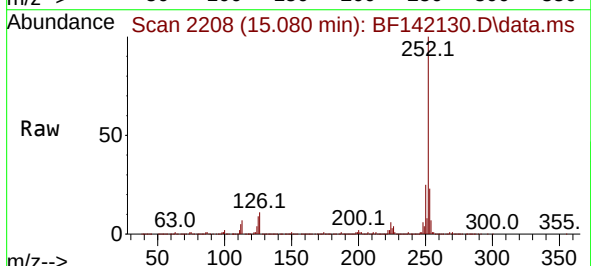
Tgt Ion:252 Resp: 853102

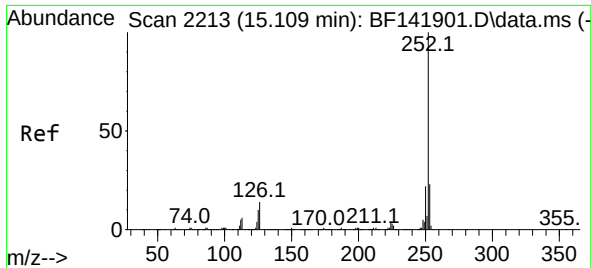
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

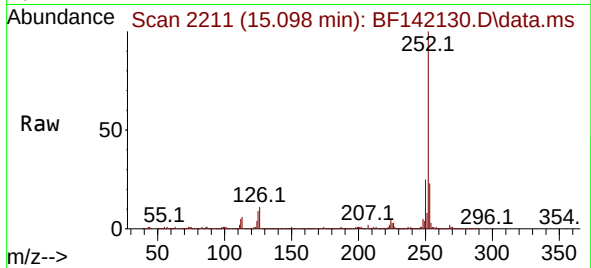
125 9.3 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 11.590 ng m
RT: 15.098 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

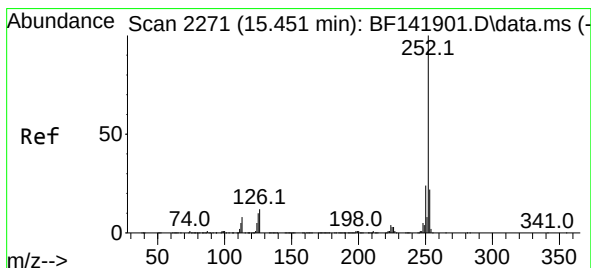
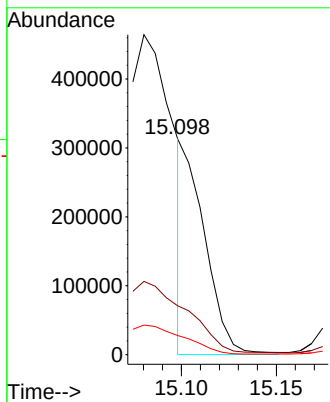
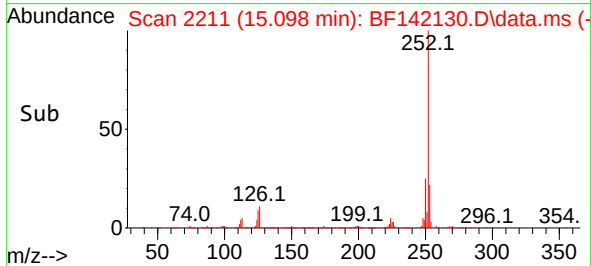
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion:252 Resp: 244415
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 8.9 7.2 10.8

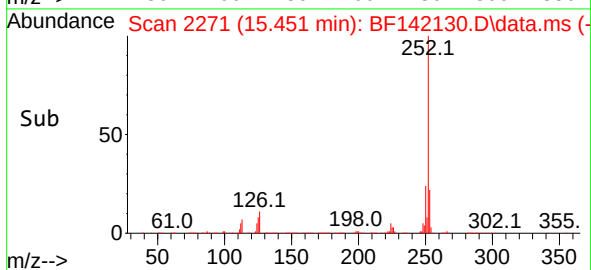
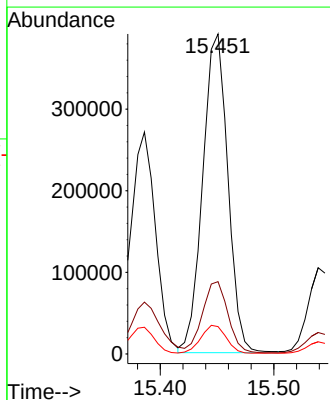
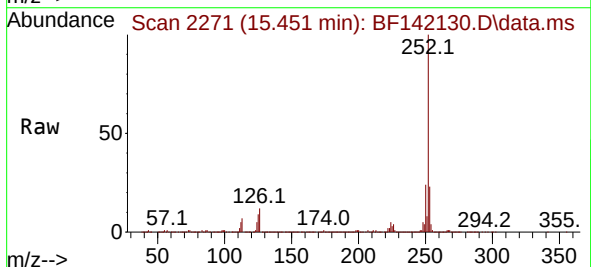
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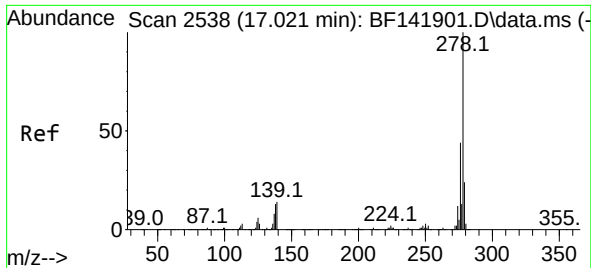
Reviewed By :Anahy Claudio 03/28/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#90
Benzo(a)pyrene
Concen: 31.221 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

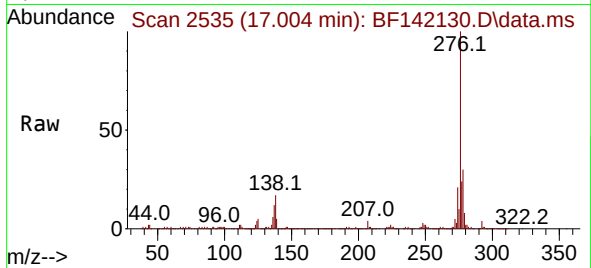
Tgt Ion:252 Resp: 601968
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 8.6 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 4.412 ng
RT: 17.004 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

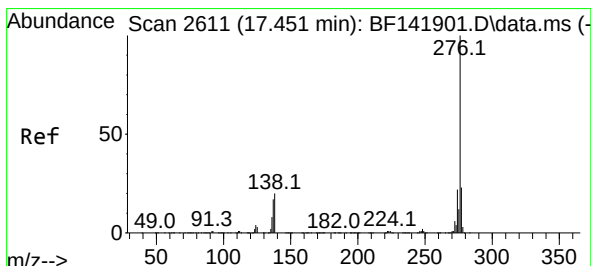
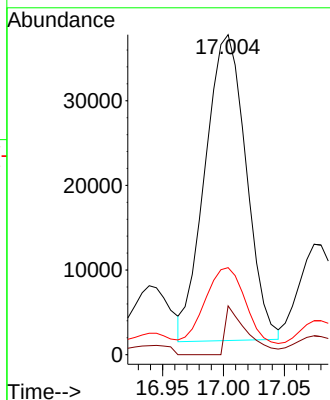
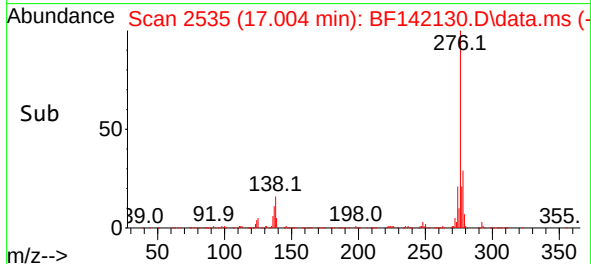
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion:278 Resp: 8466
Ion Ratio Lower Upper
278 100
139 15.3 11.4 17.2
279 27.2 18.8 28.2

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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: 15.674 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF142130.D
Acq: 27 Mar 2025 17:46

Tgt Ion:276 Resp: 297230
Ion Ratio Lower Upper
276 100
277 23.0 18.7 28.1
138 17.8 15.8 23.8

