

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
 Data File : BF141979.D
 Acq On : 17 Mar 2025 14:00
 Operator : RC/JU
 Sample : Q1581-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-031425

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/18/2025
 Supervised By :Jagrut Upadhyay 03/18/2025

Quant Time: Mar 17 14:30:34 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	6.881	152	103342	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	344955	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	168418	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	320063	20.000	ng	0.00
76) Chrysene-d12	14.039	240	283429	20.000	ng	0.00
86) Perylene-d12	15.521	264	214029	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	167312	27.021	ng	0.00
7) Phenol-d6	6.498	99	188350	23.891	ng	0.00
23) Nitrobenzene-d5	7.433	82	113912	18.584	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	58076	27.181	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	222557	20.097	ng	0.00
79) Terphenyl-d14	12.980	244	338084	17.636	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	39153	2.265	ng	97
75) Fluoranthene	12.610	202	88800	4.842	ng	99
78) Pyrene	12.839	202	108995	4.446	ng	98
81) Benzo(a)anthracene	14.027	228	61546	3.309	ng	# 87
83) Chrysene	14.062	228	62685	3.718	ng	# 90
88) Benzo(b)fluoranthene	15.086	252	54879m	3.741	ng	
89) Benzo(k)fluoranthene	15.098	252	29103m	2.318	ng	
90) Benzo(a)pyrene	15.456	252	37539	3.271	ng	# 63
92) Benzo(g,h,i)perylene	17.456	276	25372	2.248	ng	# 80

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

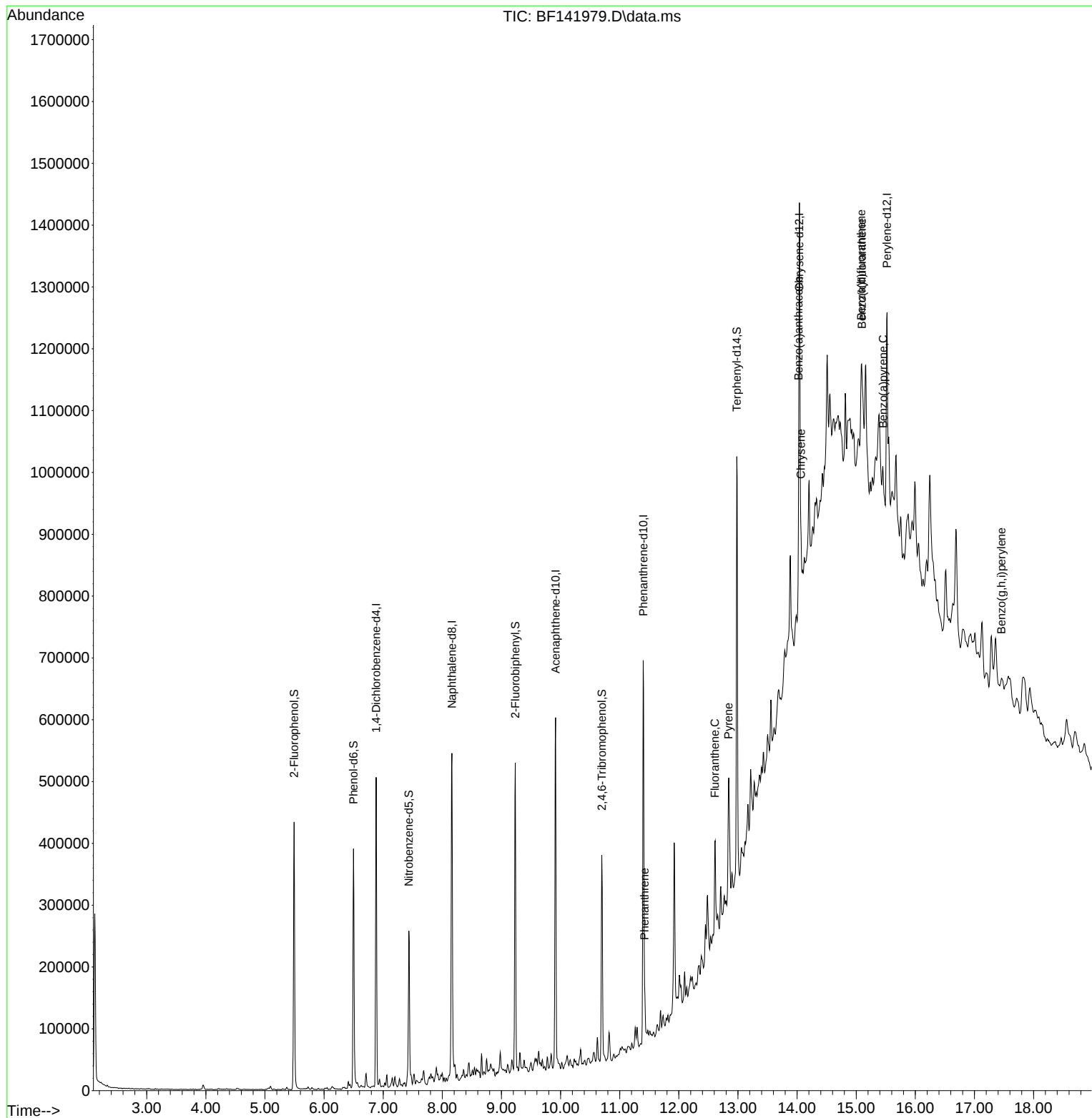
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031725\
Data File : BF141979.D
Acq On : 17 Mar 2025 14:00
Operator : RC/JU
Sample : Q1581-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

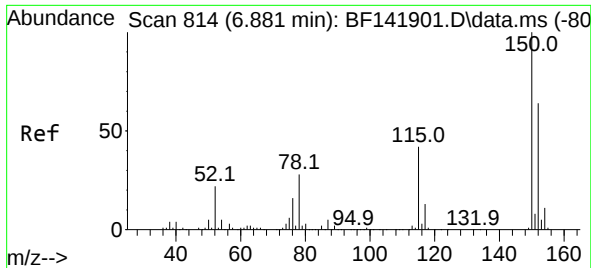
Instrument :
BNA_F
ClientSampleId :
TR-06-031425

Quant Time: Mar 17 14:30:34 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

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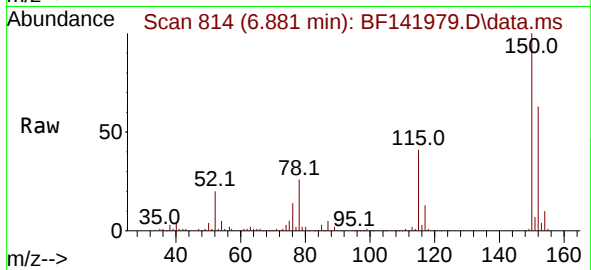
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

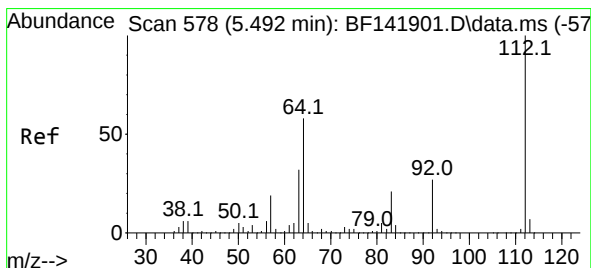
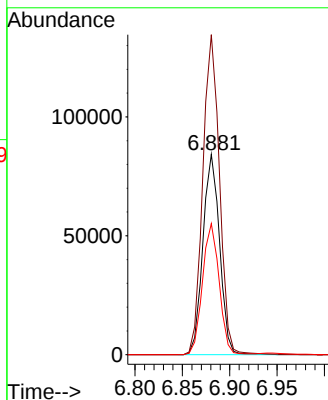
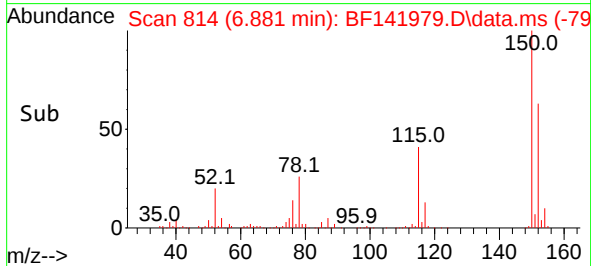
Instrument :
BNA_F
ClientSampleId :
TR-06-031425



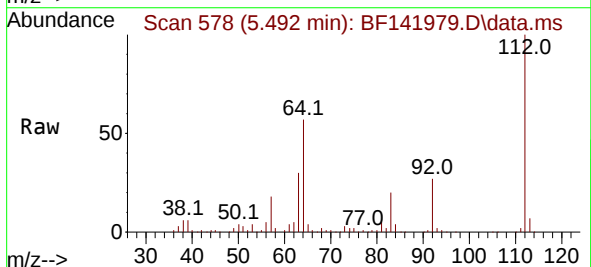
Tgt Ion:152 Resp: 10334
Ion Ratio Lower Upper
152 100
150 159.8 127.4 191.2
115 65.4 51.9 77.9

Manual Integrations
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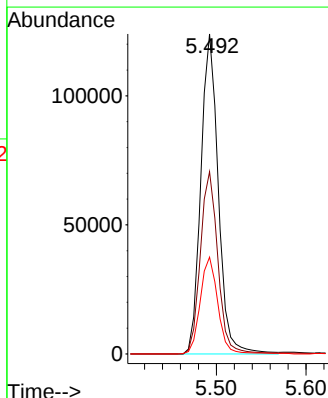
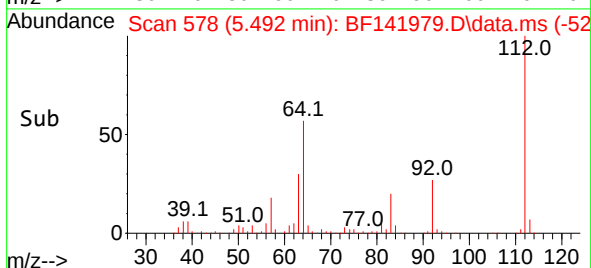
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025

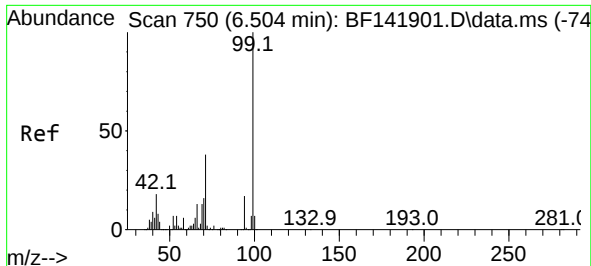


#5
2-Fluorophenol
Concen: 27.021 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00



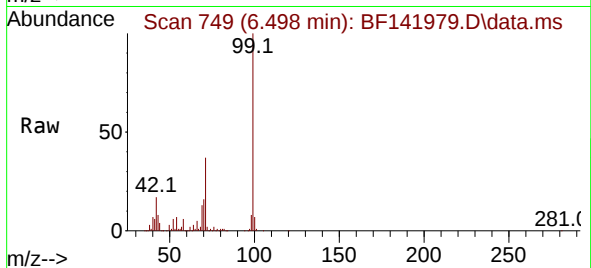
Tgt Ion:112 Resp: 167312
Ion Ratio Lower Upper
112 100
64 57.0 46.5 69.7
63 30.2 25.4 38.2





#7
Phenol-d6
Concen: 23.891 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

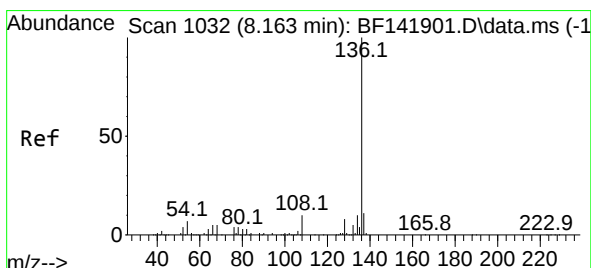
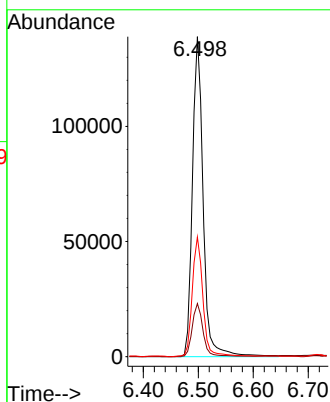
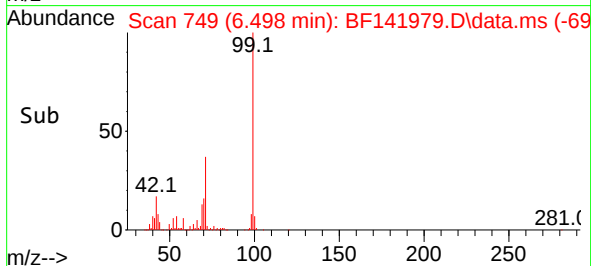
Instrument :
BNA_F
ClientSampleId :
TR-06-031425



Tgt Ion: 99 Resp: 188350
Ion Ratio Lower Upper
99 100
42 16.6 14.6 21.8
71 37.4 30.8 46.2

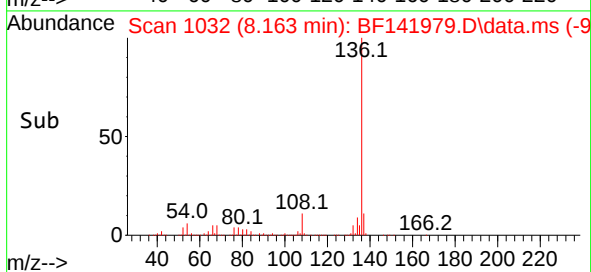
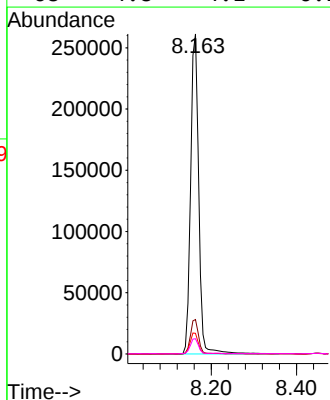
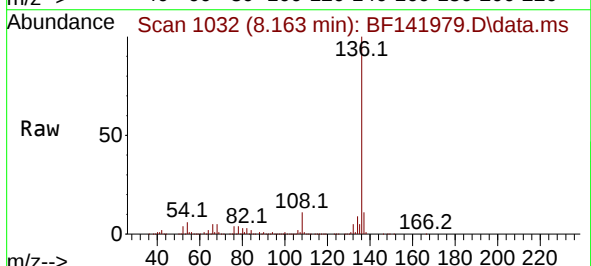
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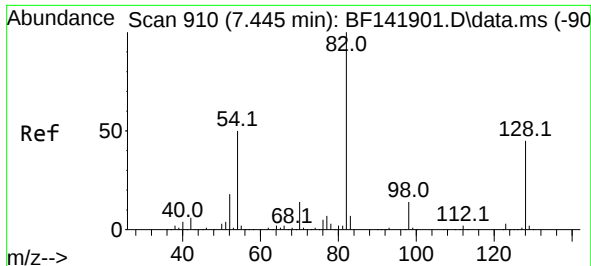
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:136 Resp: 344955
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.4 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 18.584 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Instrument :

BNA_F

ClientSampleId :

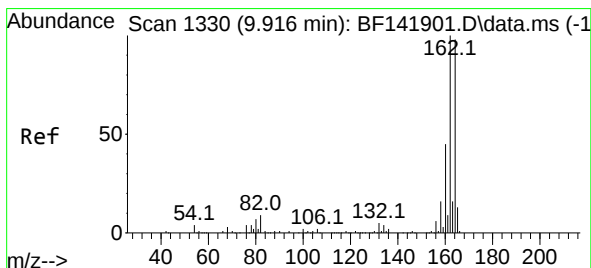
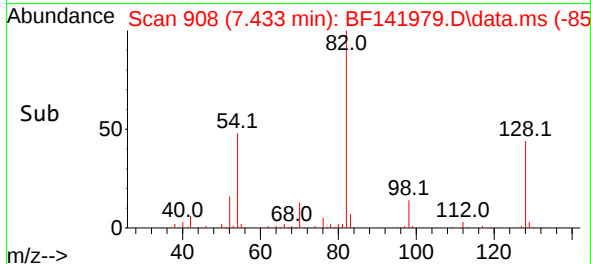
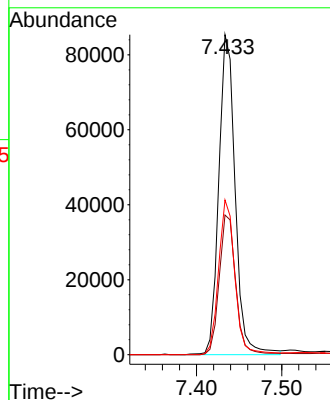
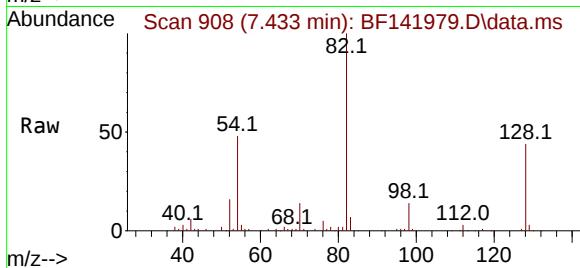
TR-06-031425

Tgt Ion: 82 Resp: 113912
Ion Ratio Lower Upper
82 100
128 43.6 36.0 54.0
54 48.4 39.6 59.4

Manual Integrations

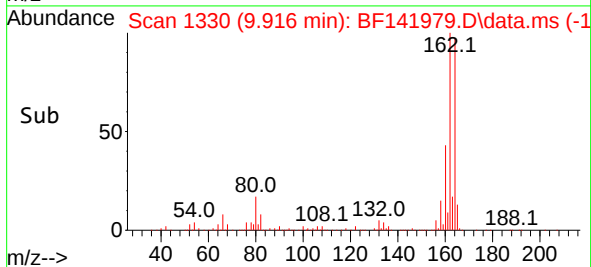
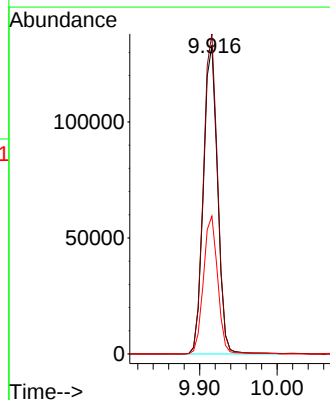
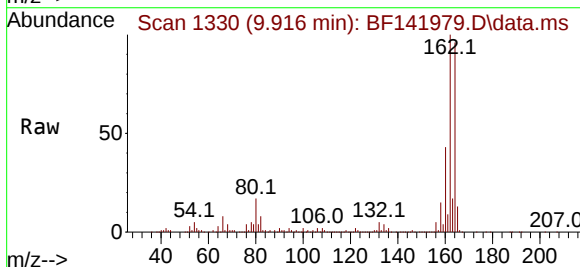
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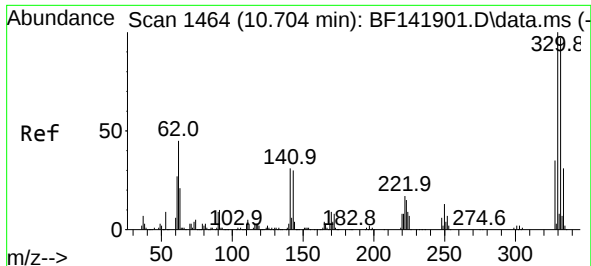
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:164 Resp: 168418
Ion Ratio Lower Upper
164 100
162 103.7 81.8 122.6
160 44.7 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 27.181 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Instrument :

BNA_F

ClientSampleId :

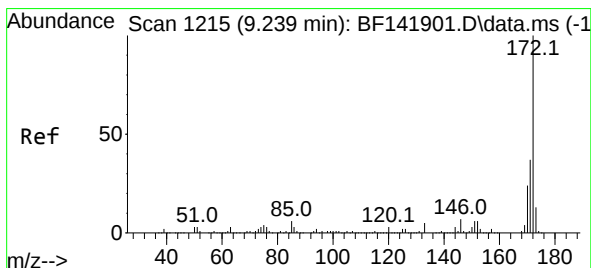
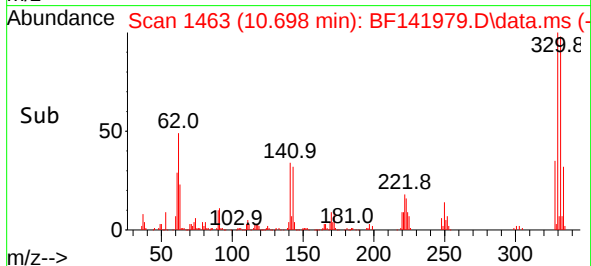
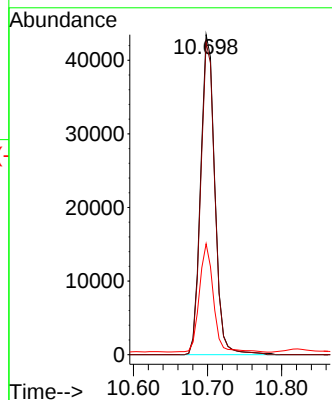
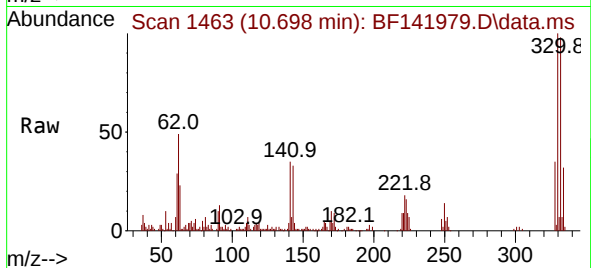
TR-06-031425

Tgt Ion:330 Resp: 58070
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 33.4 24.7 37.1

Manual Integrations

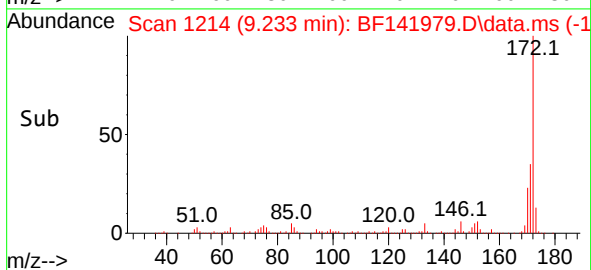
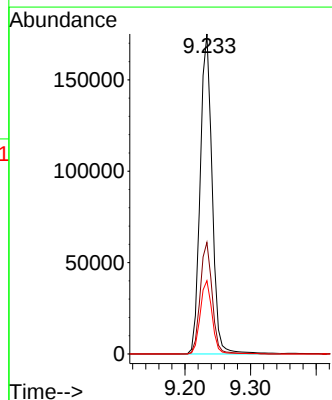
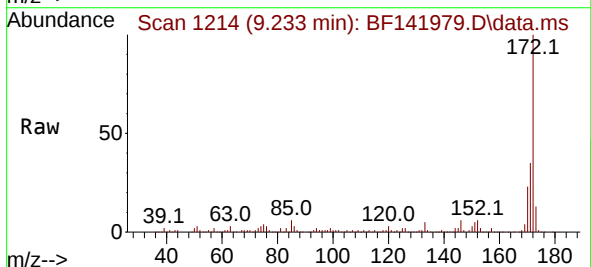
APPROVED

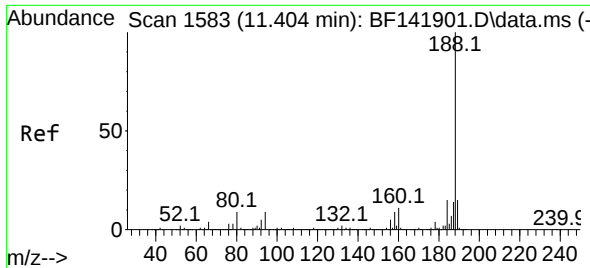
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#45
2-Fluorobiphenyl
Concen: 20.097 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:172 Resp: 222557
Ion Ratio Lower Upper
172 100
171 34.8 29.3 43.9
170 22.9 19.4 29.0





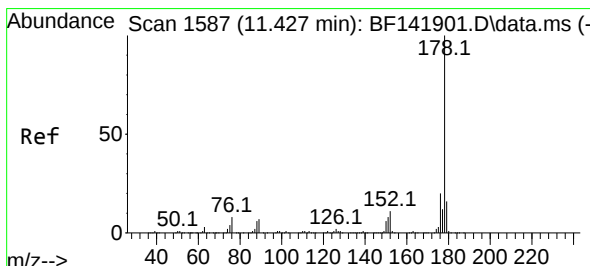
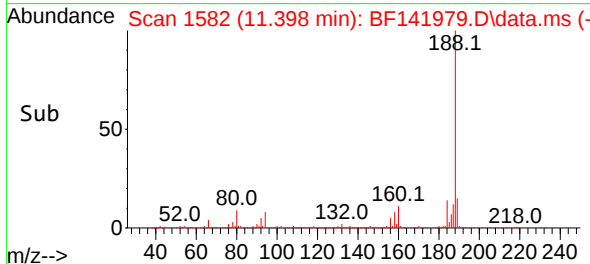
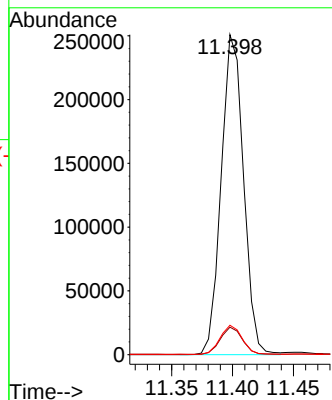
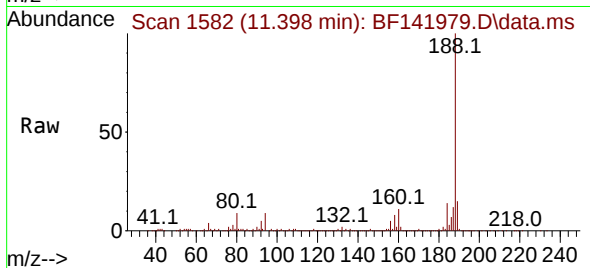
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Instrument :
BNA_F
ClientSampleId :
TR-06-031425

Tgt Ion:188 Resp: 32006
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.2 7.6 11.4

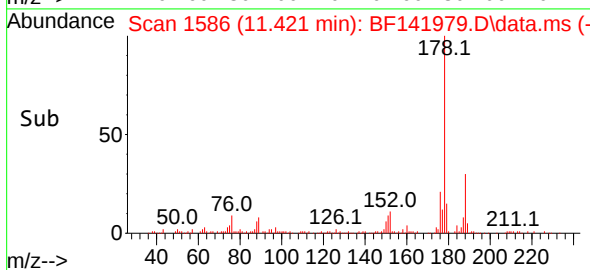
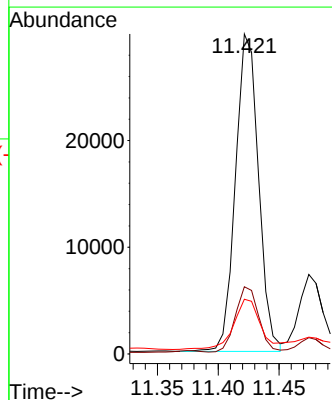
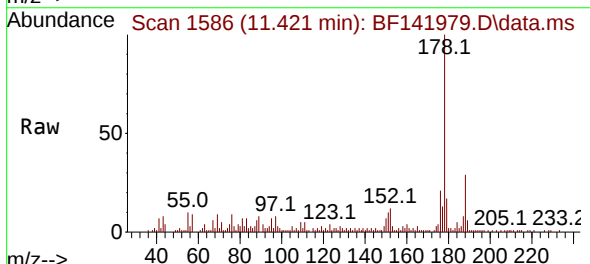
Manual Integrations
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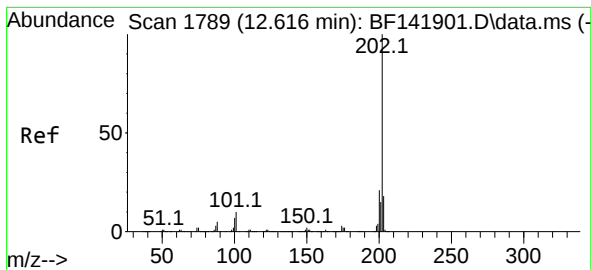
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#71
Phenanthrene
Concen: 2.265 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:178 Resp: 39153
Ion Ratio Lower Upper
178 100
176 21.0 15.8 23.8
179 17.1 12.6 19.0





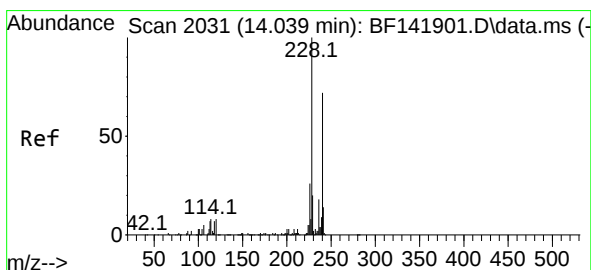
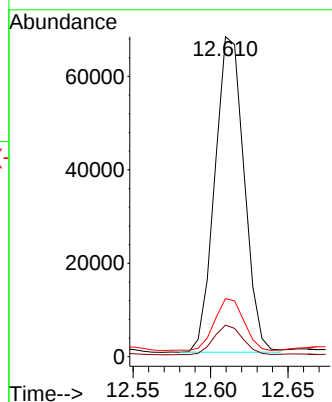
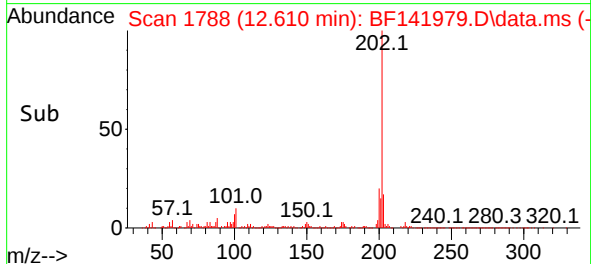
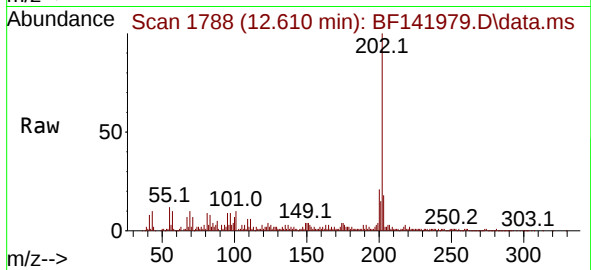
#75
Fluoranthene
Concen: 4.842 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Instrument :
BNA_F
ClientSampleId :
TR-06-031425

Tgt Ion:202 Resp: 88800
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 18.1 0.0 37.8

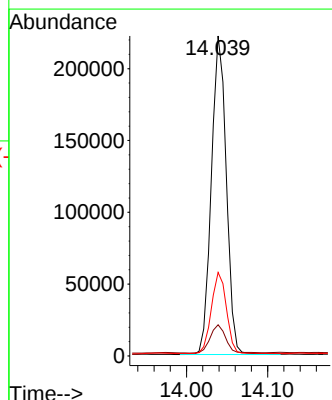
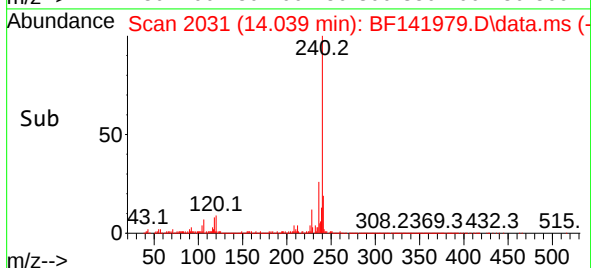
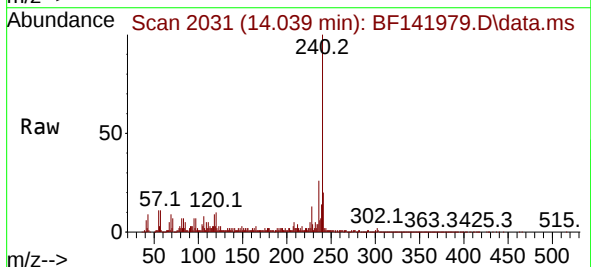
Manual Integrations
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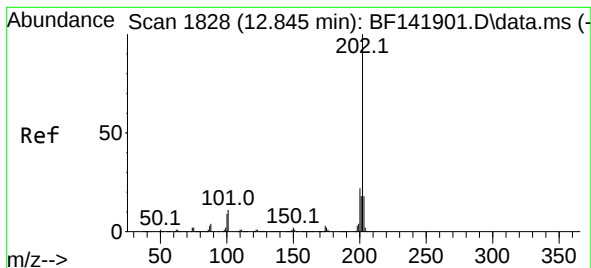
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:240 Resp: 283429
Ion Ratio Lower Upper
240 100
120 9.7 8.4 12.6
236 26.1 20.5 30.7





#78

Pyrene

Concen: 4.446 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141979.D

Acq: 17 Mar 2025 14:00

Instrument :

BNA_F

ClientSampleId :

TR-06-031425

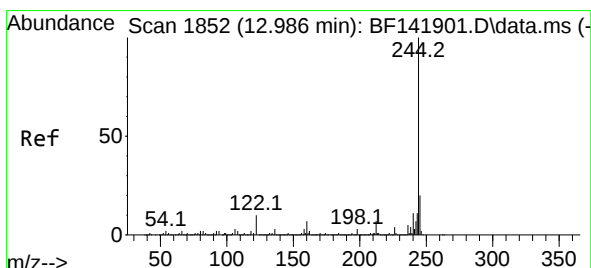
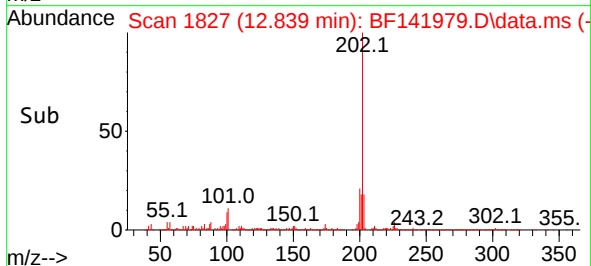
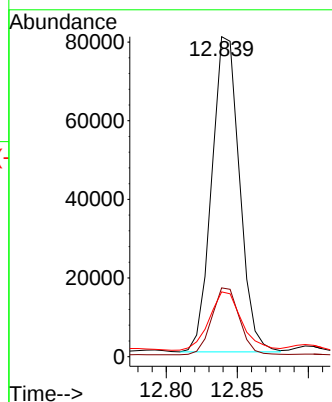
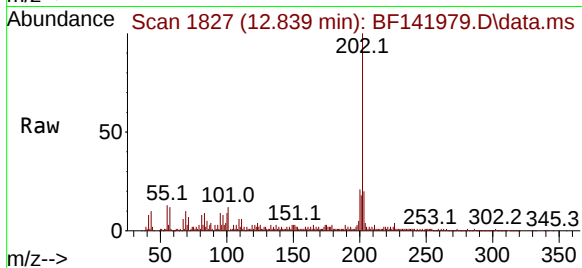
Tgt Ion:202 Resp: 10899

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	20.3	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 17.636 ng

RT: 12.980 min Scan# 1851

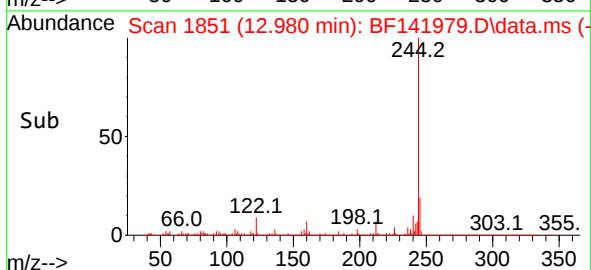
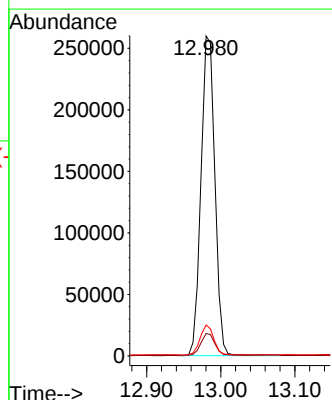
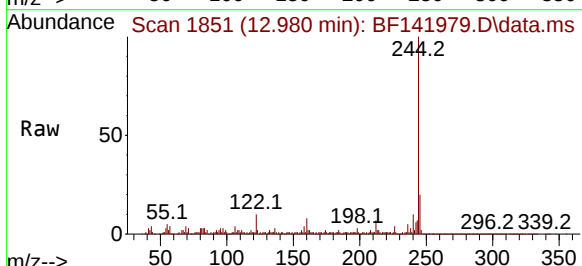
Delta R.T. -0.006 min

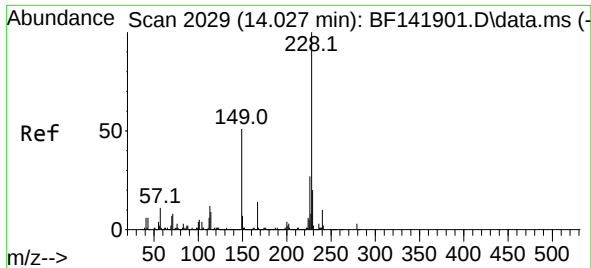
Lab File: BF141979.D

Acq: 17 Mar 2025 14:00

Tgt Ion:244 Resp: 338084

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.7	7.7	11.5





#81
Benzo(a)anthracene
Concen: 3.309 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Instrument :

BNA_F

ClientSampleId :

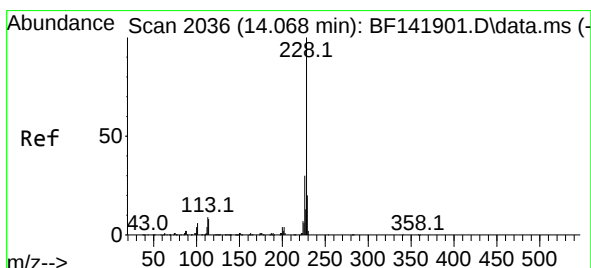
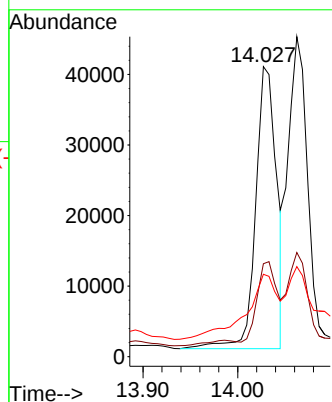
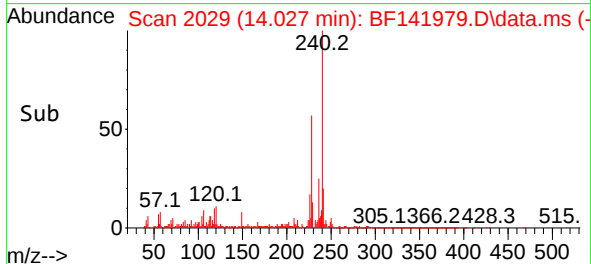
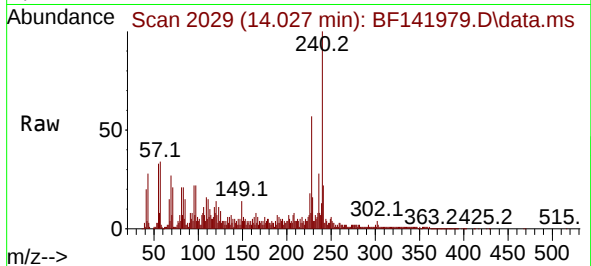
TR-06-031425

Tgt Ion:228 Resp: 61540
Ion Ratio Lower Upper
228 100
226 32.1 21.8 32.8
229 28.4 16.0 24.0

Manual Integrations

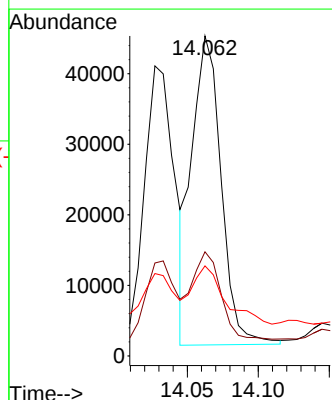
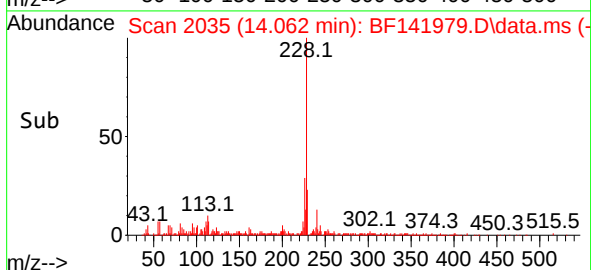
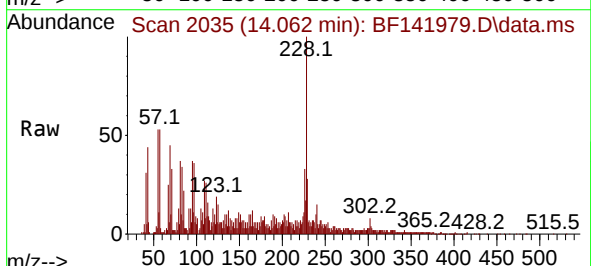
APPROVED

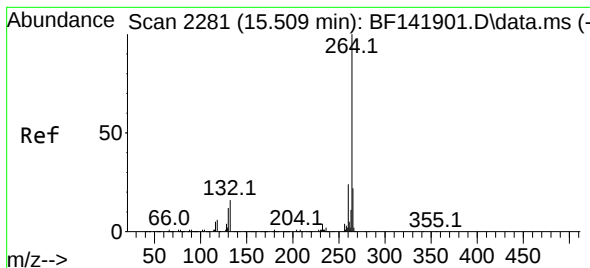
Reviewed By :Anahy Claudio 03/18/2025
Supervised By :Jagrut Upadhyay 03/18/2025



#83
Chrysene
Concen: 3.718 ng
RT: 14.062 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF141979.D
Acq: 17 Mar 2025 14:00

Tgt Ion:228 Resp: 62685
Ion Ratio Lower Upper
228 100
226 32.5 24.1 36.1
229 28.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 214029

Delta R.T. 0.012 min

Lab File: BF141979.D

Acq: 17 Mar 2025 14:00

Instrument :

BNA_F

ClientSampleId :

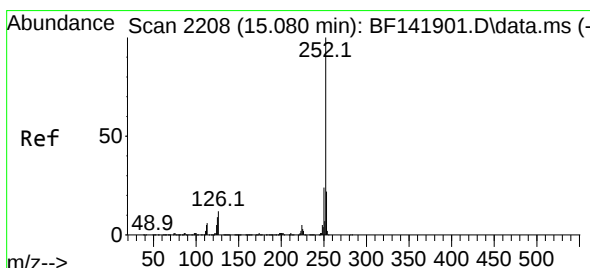
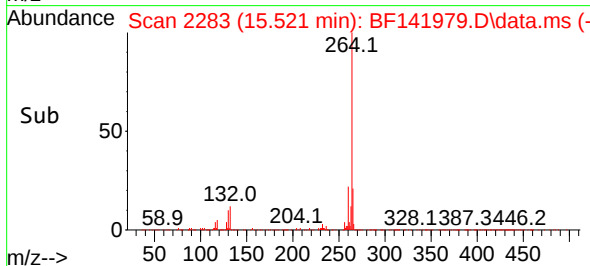
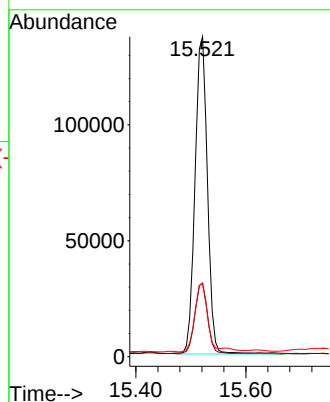
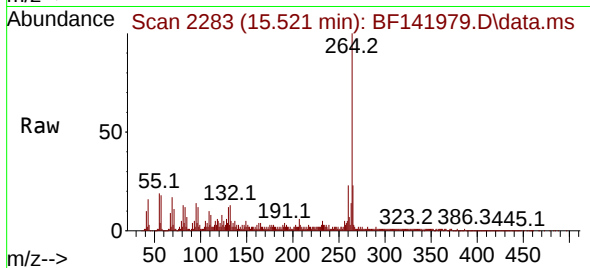
TR-06-031425

Tgt Ion:264 Resp: 214029
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 22.8 17.5 26.3

Manual Integrations

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Reviewed By :Anahy Claudio 03/18/2025
 Supervised By :Jagrut Upadhyay 03/18/2025



#88

Benzo(b)fluoranthene

Concen: 3.741 ng m

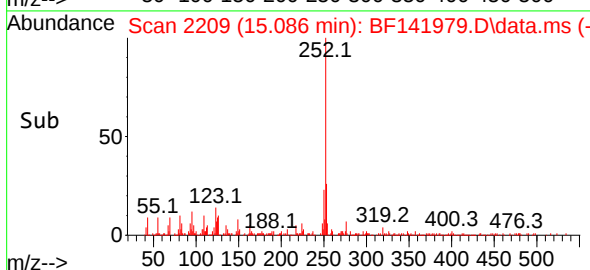
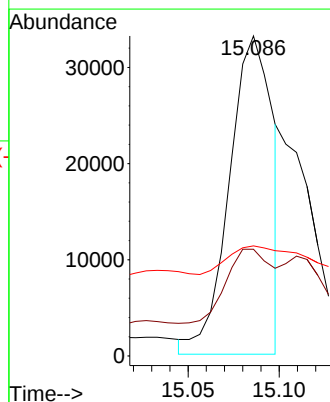
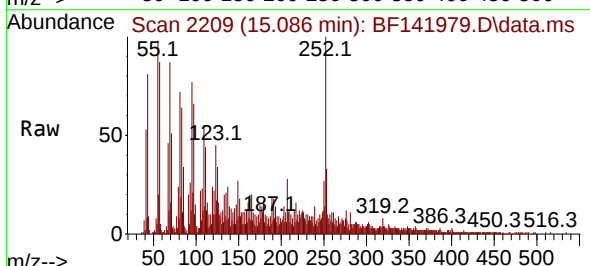
RT: 15.086 min Scan# 2209

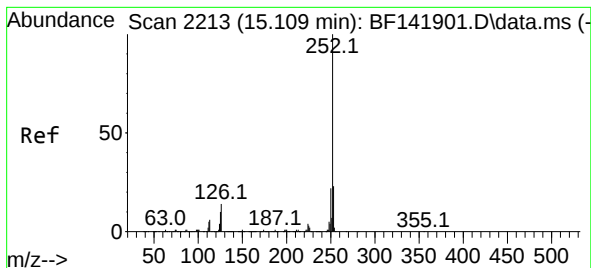
Delta R.T. 0.006 min

Lab File: BF141979.D

Acq: 17 Mar 2025 14:00

Tgt Ion:252 Resp: 54879
 Ion Ratio Lower Upper
 252 100
 253 33.4 17.5 26.3#
 125 34.4 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 2.318 ng m

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF141979.D

Acq: 17 Mar 2025 14:00

Instrument :

BNA_F

ClientSampleId :

TR-06-031425

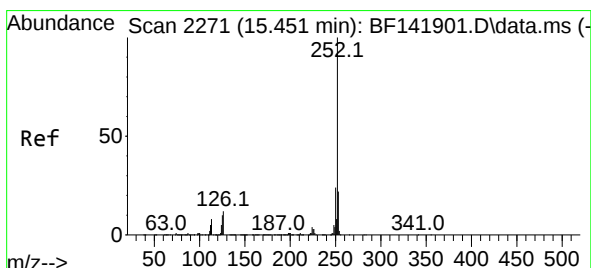
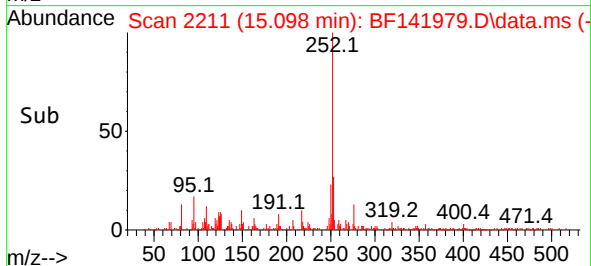
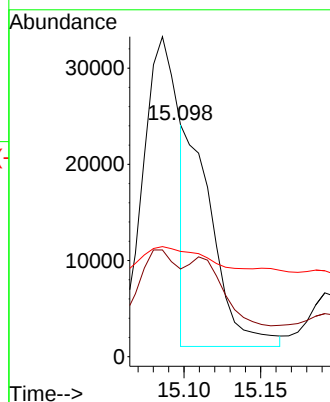
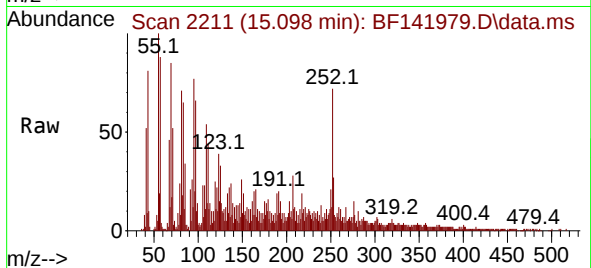
Tgt Ion:252 Resp: 2910
 Ion Ratio Lower Upper
 252 100
 253 37.8 17.7 26.5
 125 45.4 7.2 10.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/18/2025

Supervised By :Jagrut Upadhyay 03/18/2025



#90

Benzo(a)pyrene

Concen: 3.271 ng

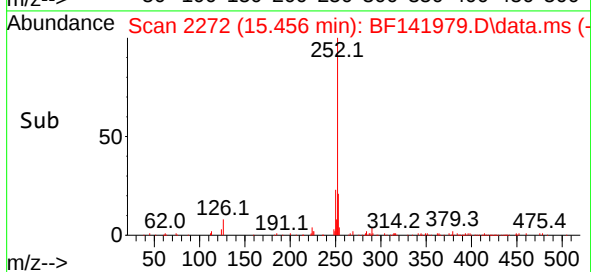
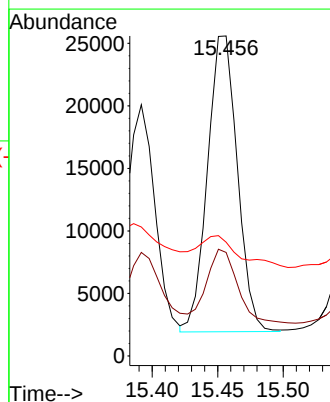
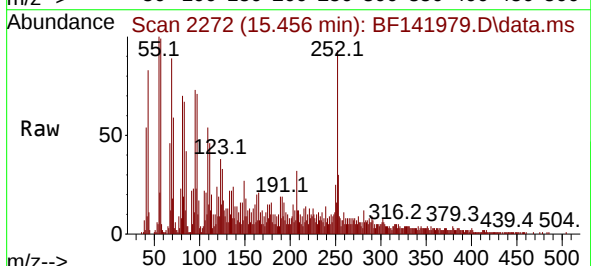
RT: 15.456 min Scan# 2272

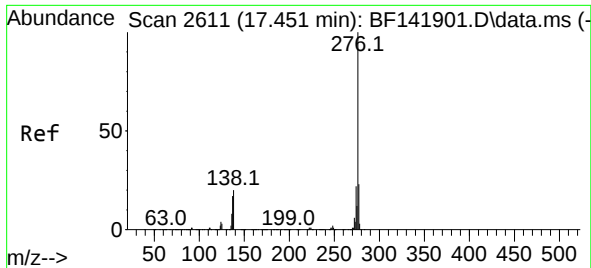
Delta R.T. 0.006 min

Lab File: BF141979.D

Acq: 17 Mar 2025 14:00

Tgt Ion:252 Resp: 37539
 Ion Ratio Lower Upper
 252 100
 253 32.3 17.4 26.0#
 125 35.5 7.8 11.8#





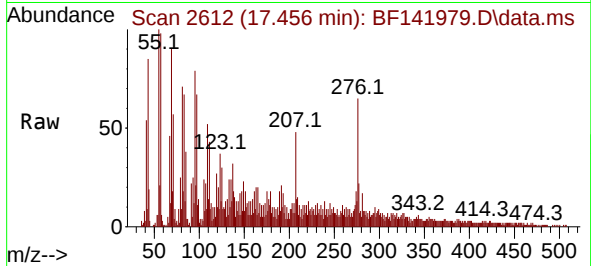
#92
 Benzo(g,h,i)perylene
 Concen: 2.248 ng
 RT: 17.456 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF141979.D
 Acq: 17 Mar 2025 14:00

Instrument :

BNA_F

ClientSampleId :

TR-06-031425



Tgt Ion:	276	Resp:	2537
Ion Ratio	Lower	Upper	
276	100		
277	34.0	18.7	28.1
138	27.6	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/18/2025

Supervised By :Jagrut Upadhyay 03/18/2025

