

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141918.D
 Acq On : 11 Mar 2025 16:12
 Operator : RC/JU
 Sample : Q1514-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-105-SB01

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 16:52:37 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	150957	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	586367	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	300301	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	431301	20.000	ng	0.00
76) Chrysene-d12	14.039	240	338343	20.000	ng	0.00
86) Perylene-d12	15.521	264	250489	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	749092	82.819	ng	0.00
7) Phenol-d6	6.498	99	900241	78.171	ng	0.00
23) Nitrobenzene-d5	7.434	82	582366	55.892	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	254726	66.862	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1157452	58.617	ng	0.00
79) Terphenyl-d14	12.986	244	1029420	44.982	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	219318	9.414	ng	99
72) Anthracene	11.474	178	47239m	2.021	ng	
75) Fluoranthene	12.610	202	205658	8.322	ng	99
78) Pyrene	12.839	202	190783	6.519	ng	96
81) Benzo(a)anthracene	14.027	228	92270	4.156	ng	# 88
83) Chrysene	14.063	228	82029	4.076	ng	# 86
88) Benzo(b)fluoranthene	15.086	252	68107m	3.967	ng	
90) Benzo(a)pyrene	15.457	252	46734	3.479	ng	# 64

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

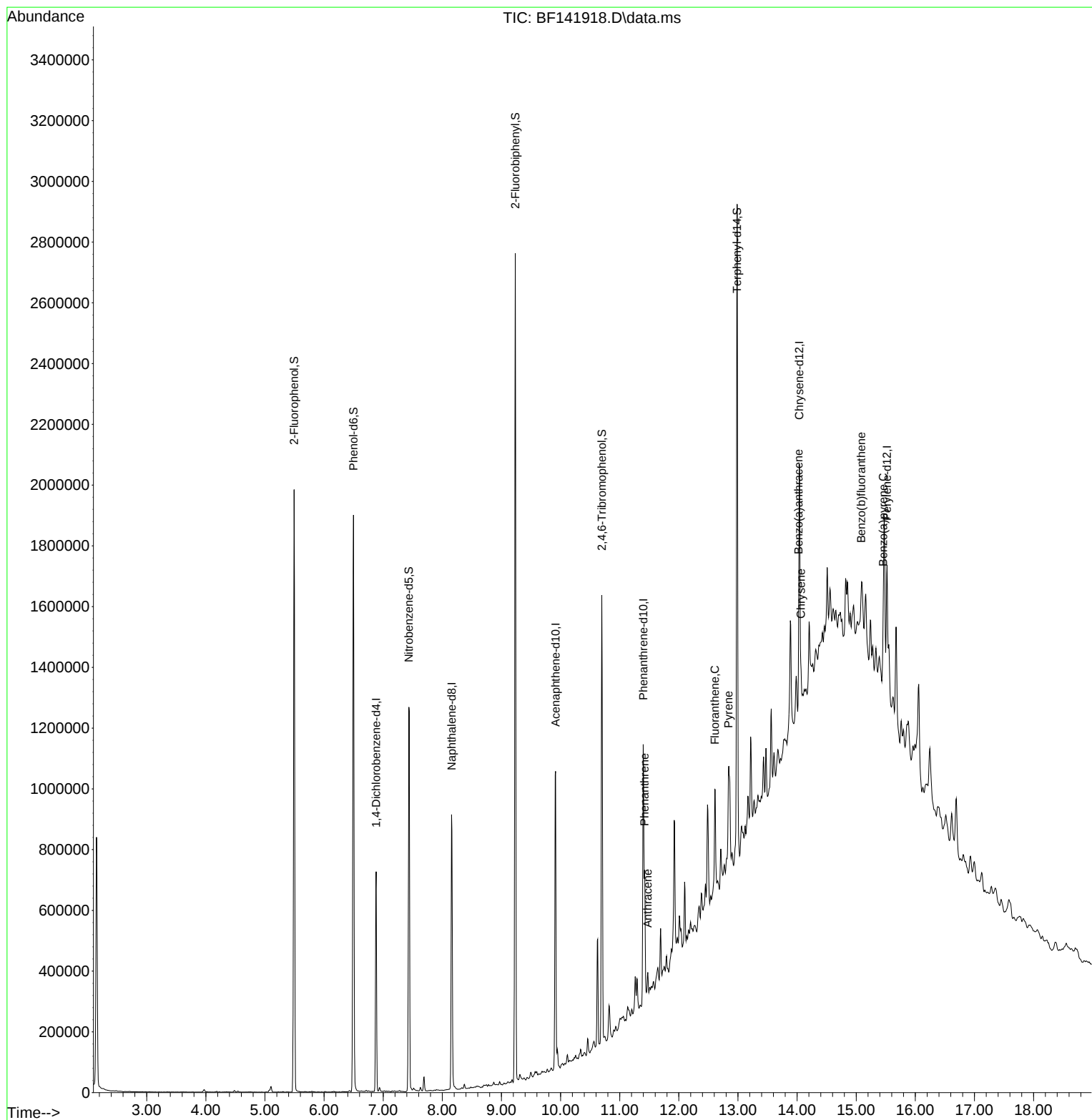
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
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Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 11 16:52:37 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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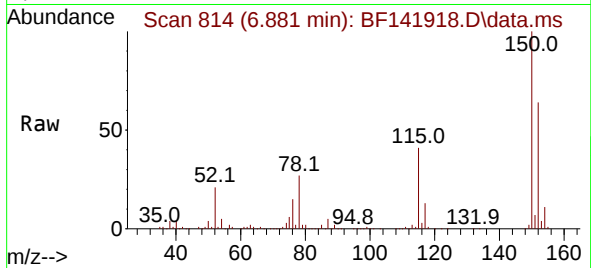
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

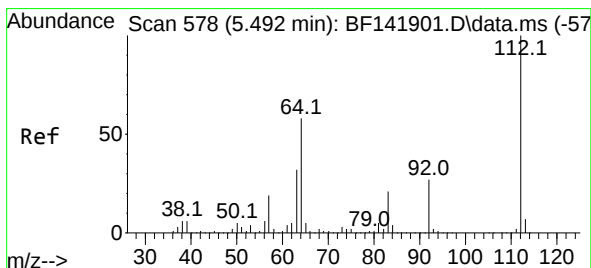
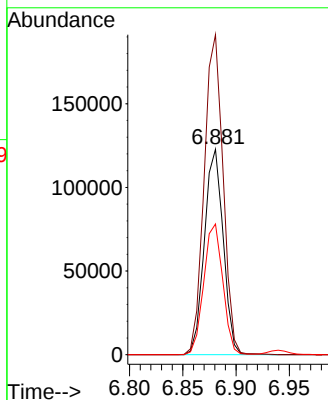
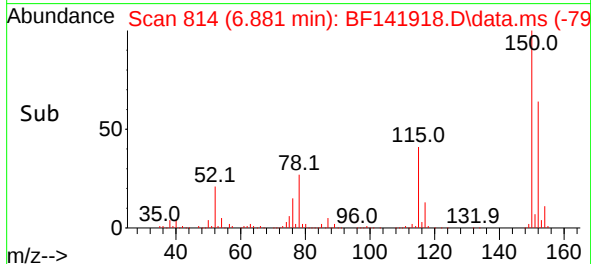
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01



Tgt Ion:152 Resp: 15095
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.2
115 63.6 51.9 77.9

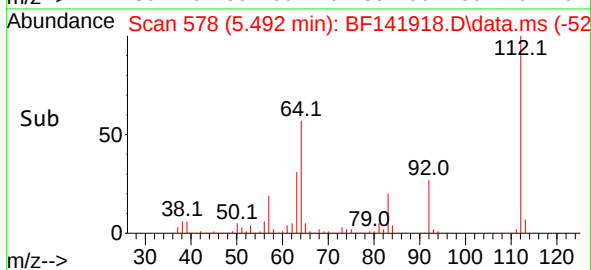
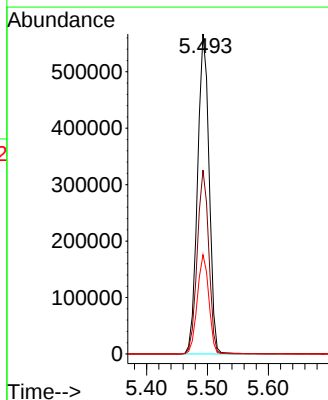
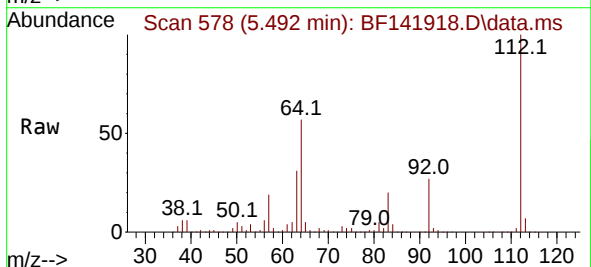
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#5
2-Fluorophenol
Concen: 82.819 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

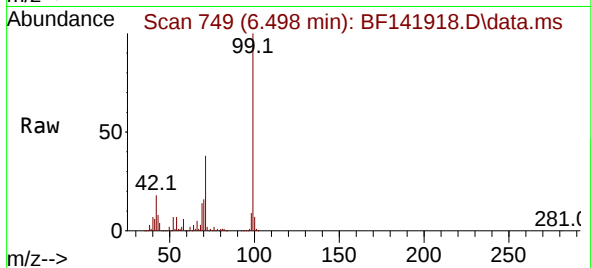
Tgt Ion:112 Resp: 749092
Ion Ratio Lower Upper
112 100
64 57.5 46.5 69.7
63 31.0 25.4 38.2





#7
Phenol-d6
Concen: 78.171 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

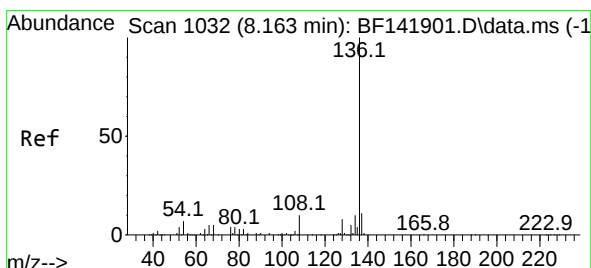
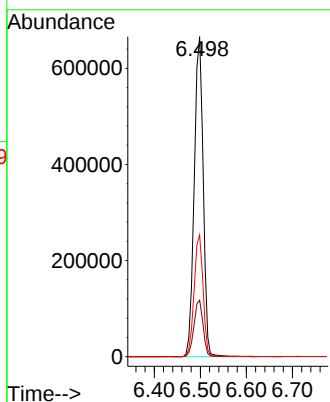
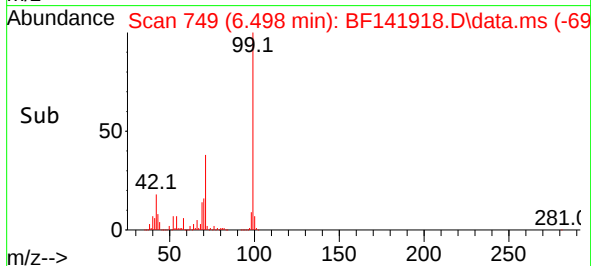
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01



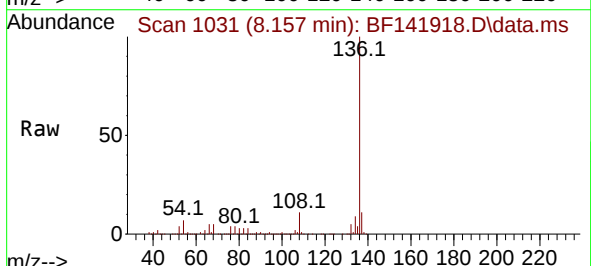
Tgt Ion: 99 Resp: 90024
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 38.1 30.8 46.2

Manual Integrations
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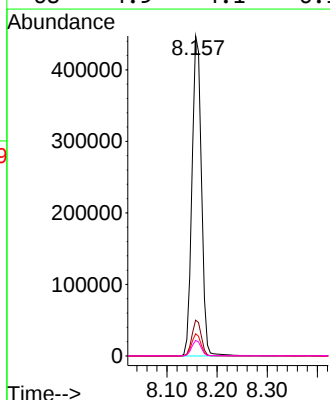
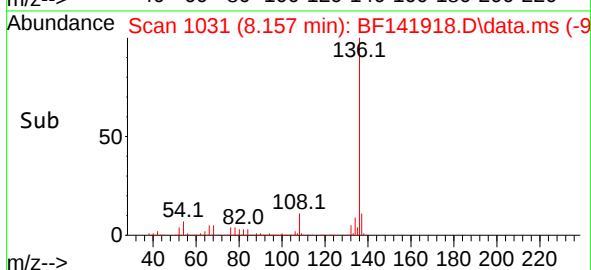
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

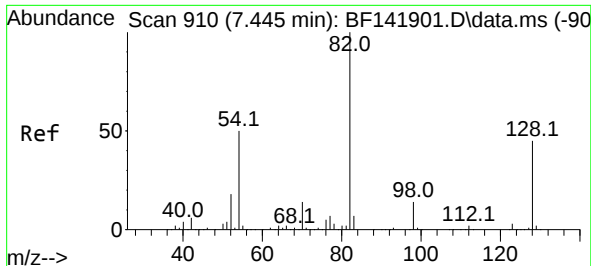


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12



Tgt Ion:136 Resp: 586367
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 6.9 5.8 8.8
68 4.9 4.1 6.1





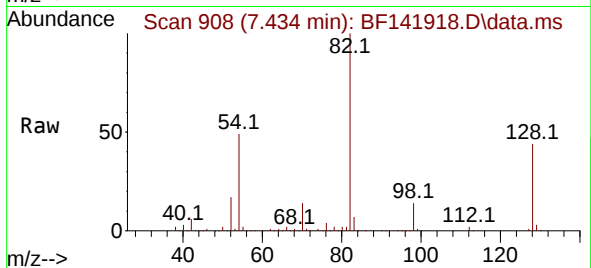
#23
Nitrobenzene-d5
Concen: 55.892 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

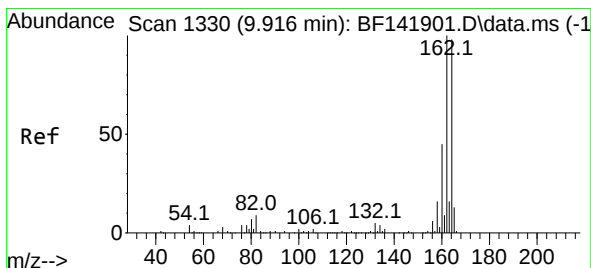
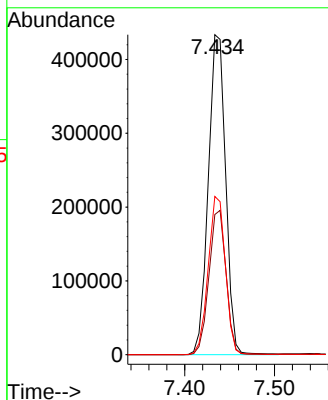
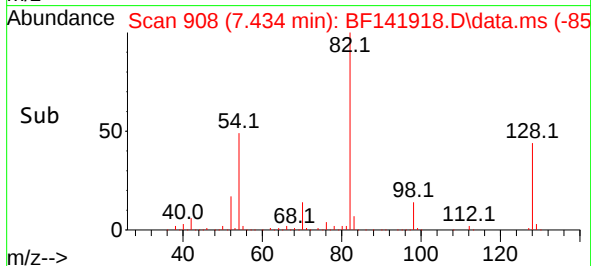


Tgt Ion: 82 Resp: 582360
Ion Ratio Lower Upper
82 100
128 43.8 36.0 54.0
54 49.4 39.6 59.4

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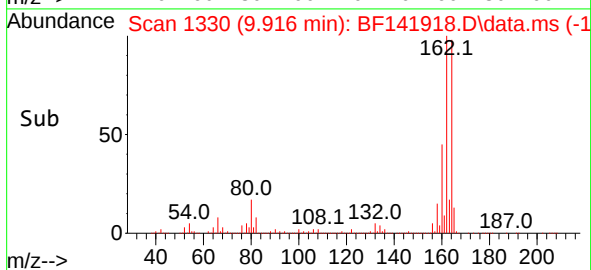
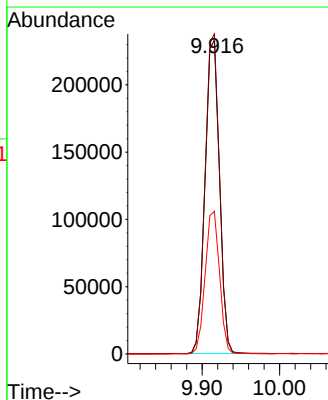
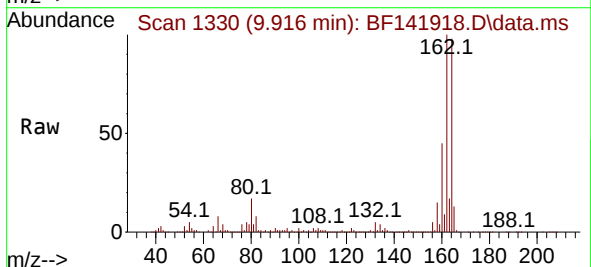
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

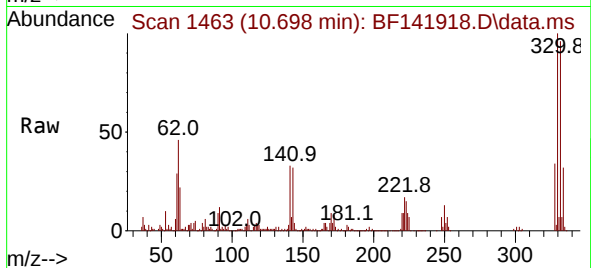
Tgt Ion:164 Resp: 300301
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.5 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 66.862 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

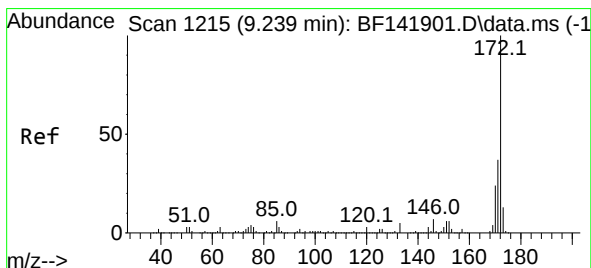
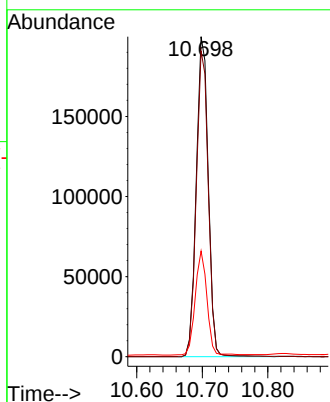
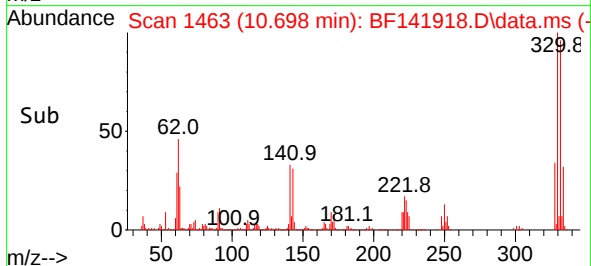
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01



Tgt Ion:330 Resp: 254720
Ion Ratio Lower Upper
330 100
332 95.3 77.6 116.4
141 31.8 24.7 37.1

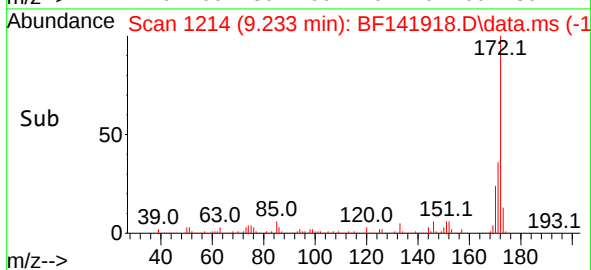
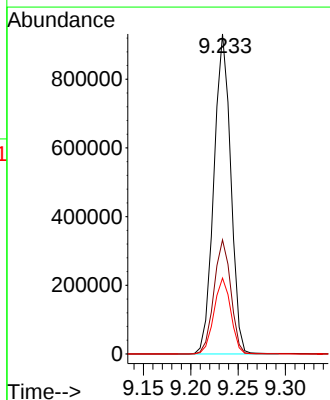
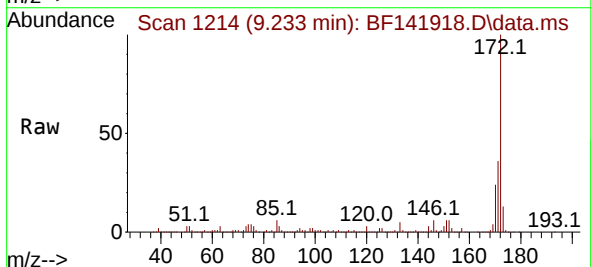
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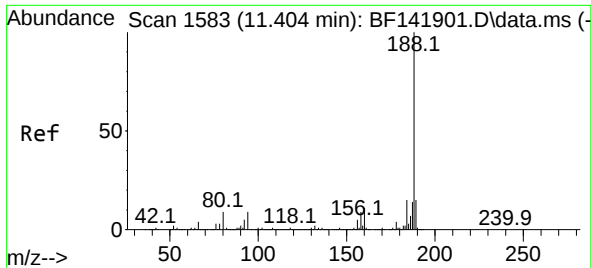
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#45
2-Fluorobiphenyl
Concen: 58.617 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:172 Resp: 1157452
Ion Ratio Lower Upper
172 100
171 35.6 29.3 43.9
170 23.7 19.4 29.0





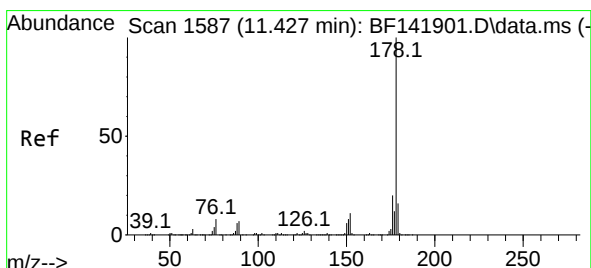
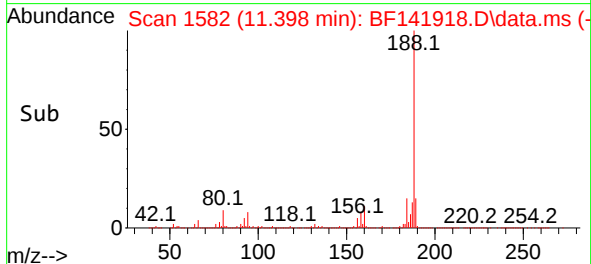
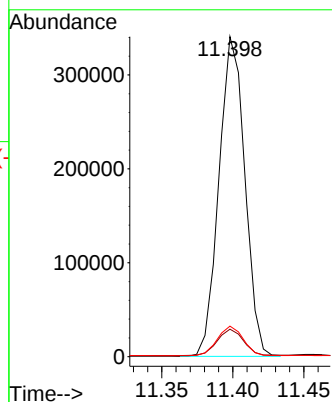
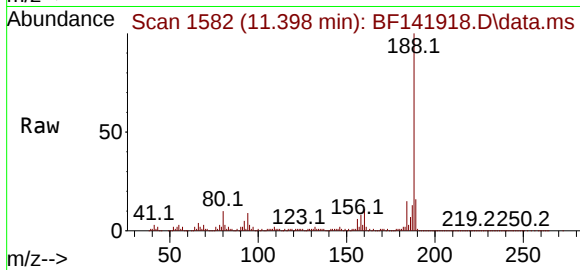
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Tgt Ion:188 Resp: 43130
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.5 7.6 11.4

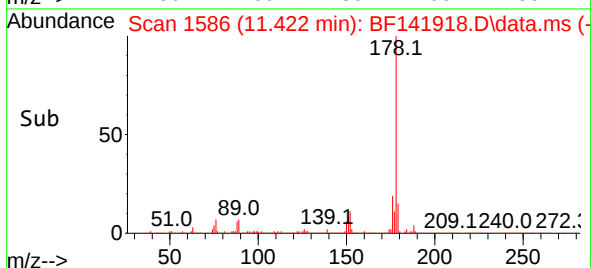
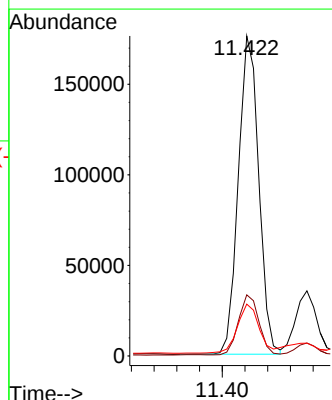
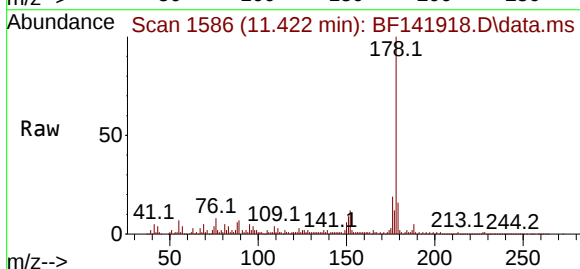
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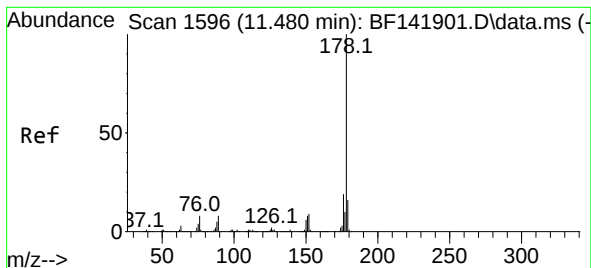
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#71
Phenanthrene
Concen: 9.414 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:178 Resp: 219318
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 16.2 12.6 19.0





#72

Anthracene

Concen: 2.021 ng m

RT: 11.474 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

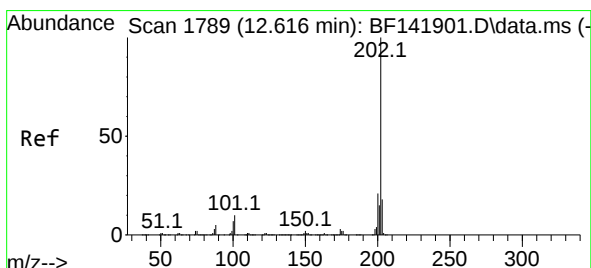
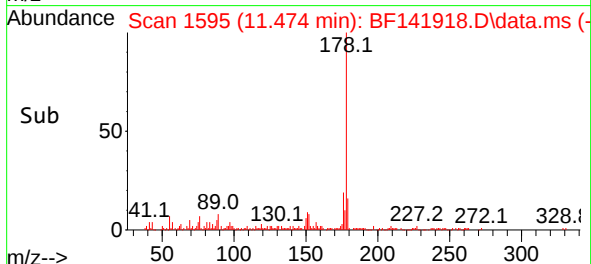
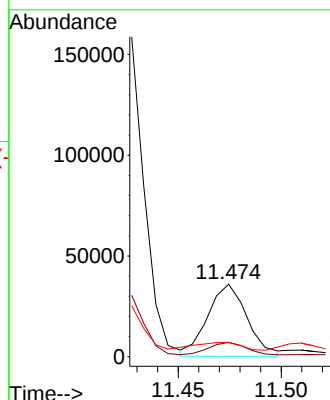
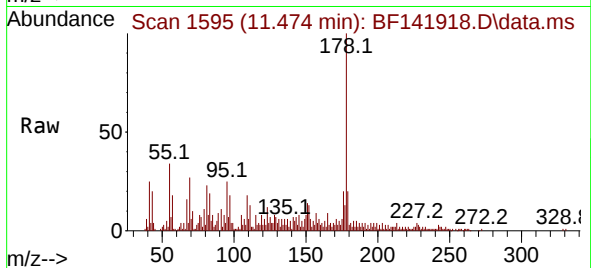
ENV-105-SB01

Tgt Ion:178 Resp: 47239
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.1 22.7
 179 19.5 12.6 19.0

Manual Integrations

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#75

Fluoranthene

Concen: 8.322 ng

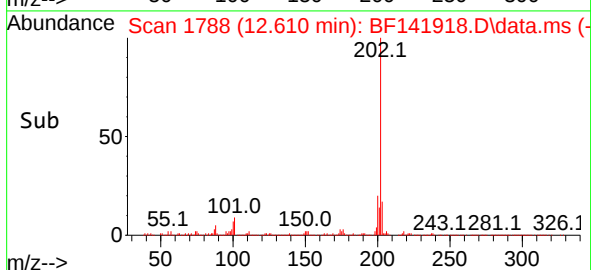
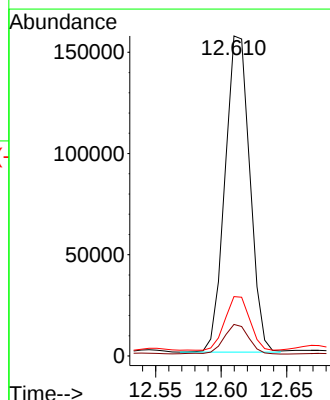
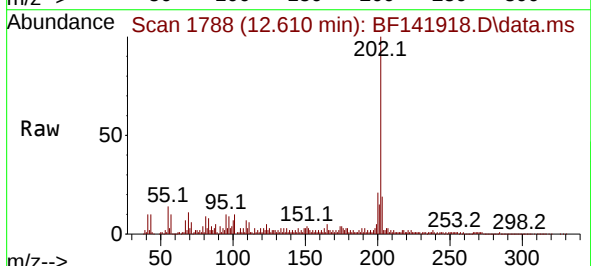
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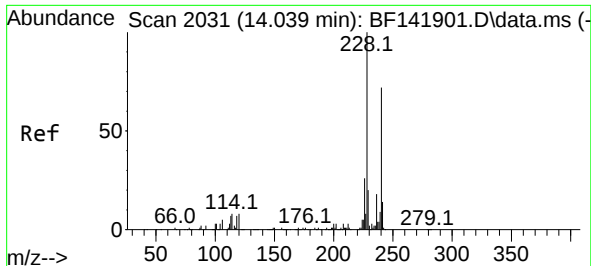
Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

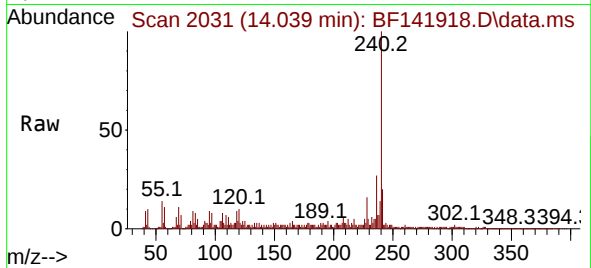
Tgt Ion:202 Resp: 205658
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.7
 203 18.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

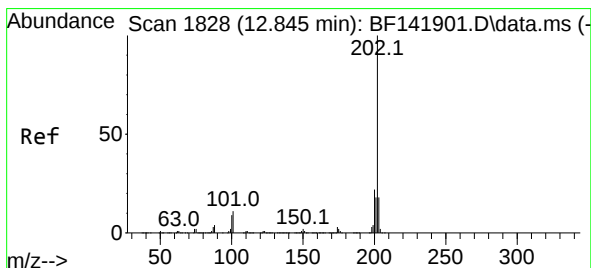
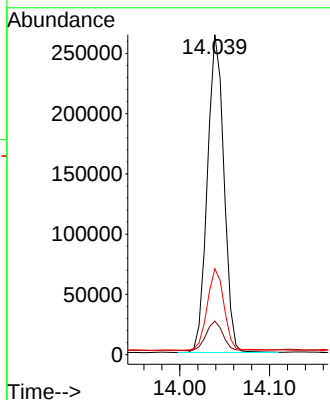
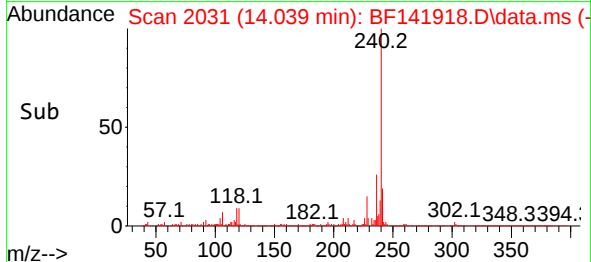
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01



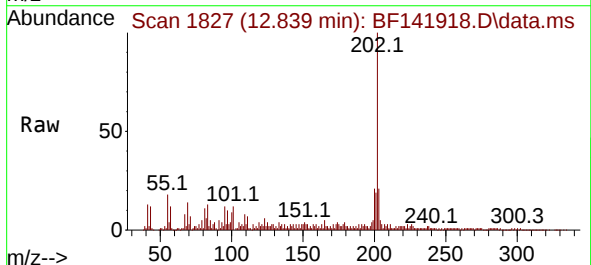
Tgt Ion:240 Resp: 33834
Ion Ratio Lower Upper
240 100
120 10.5 8.4 12.6
236 26.9 20.5 30.7

Manual Integrations
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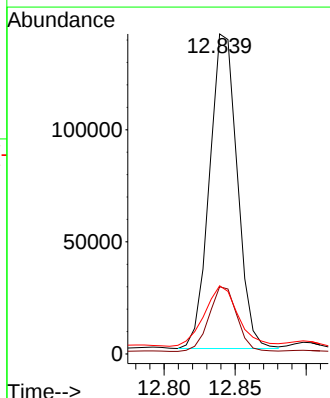
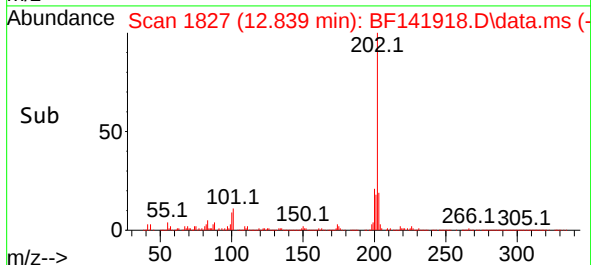
Reviewed By :Anahy Claudio 03/12/2025
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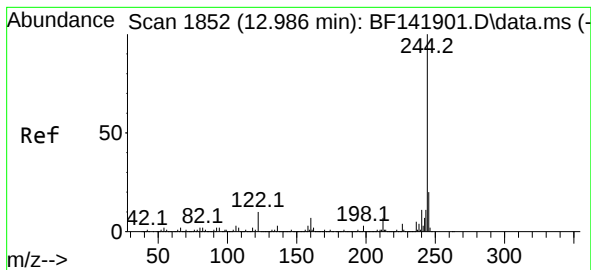


#78
Pyrene
Concen: 6.519 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12



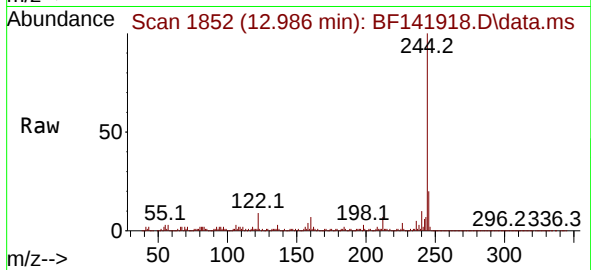
Tgt Ion:202 Resp: 190783
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 21.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 44.982 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141918.D
 Acq: 11 Mar 2025 16:12

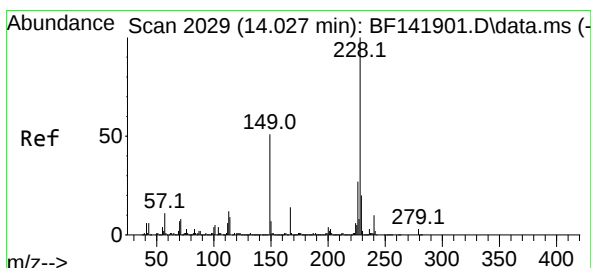
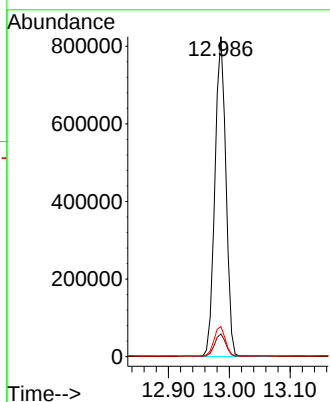
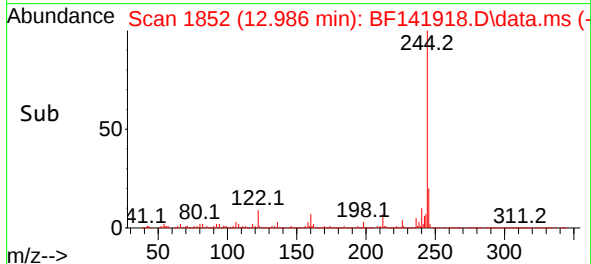
Instrument :
 BNA_F
 ClientSampleId :
 ENV-105-SB01



Tgt Ion:244 Resp: 1029420
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.4 7.7 11.5

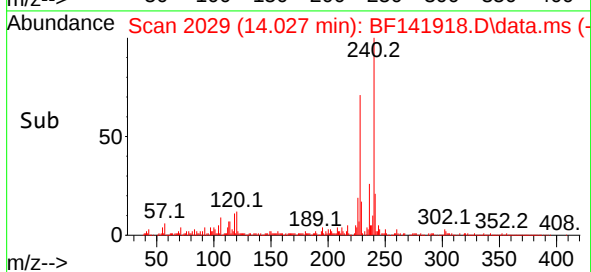
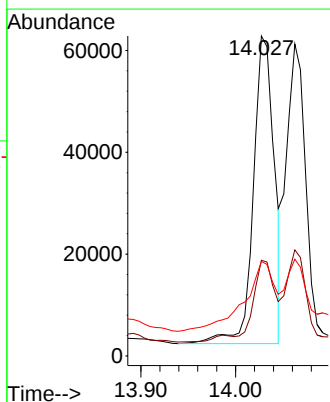
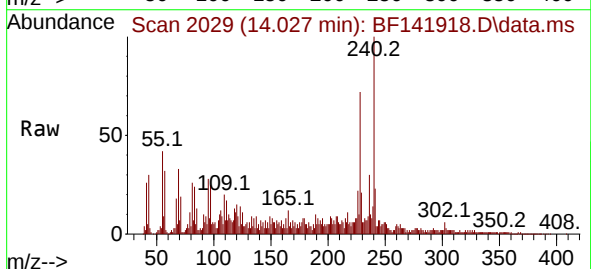
Manual Integrations
 APPROVED

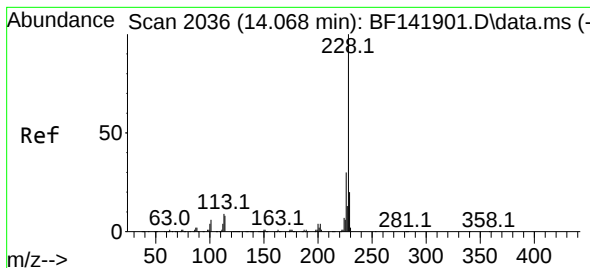
Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025



#81
 Benzo(a)anthracene
 Concen: 4.156 ng
 RT: 14.027 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF141918.D
 Acq: 11 Mar 2025 16:12

Tgt Ion:228 Resp: 92270
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.8 32.8
 229 29.5 16.0 24.0#





#83

Chrysene

Concen: 4.076 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

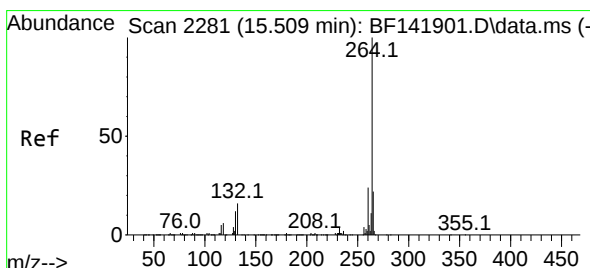
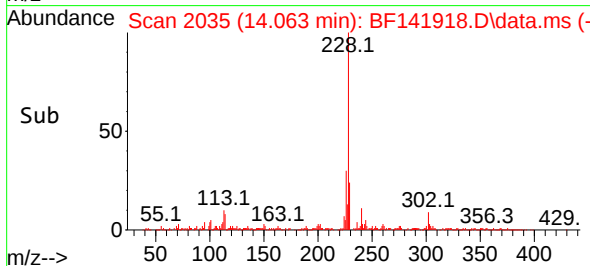
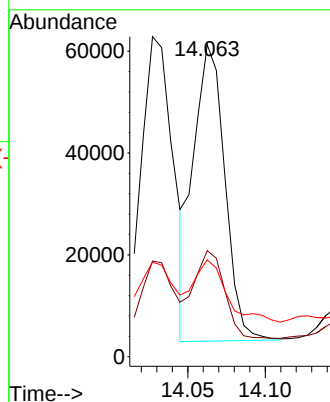
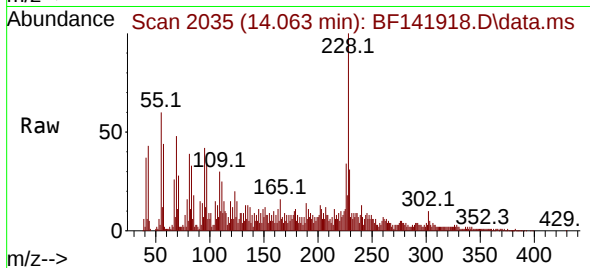
Tgt Ion:	228	Resp:	82029
Ion Ratio	Lower	Upper	
228	100		
226	34.0	24.1	36.1
229	31.0	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#86

Perylene-d12

Concen: 20.000 ng

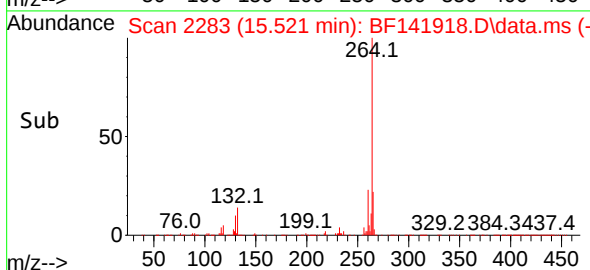
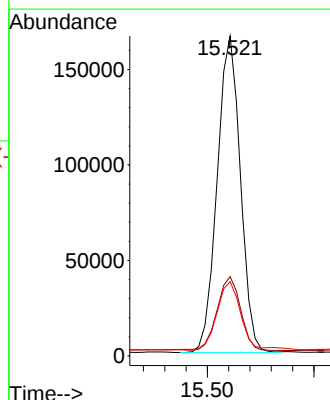
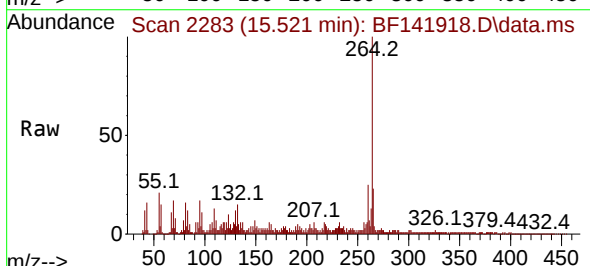
RT: 15.521 min Scan# 2283

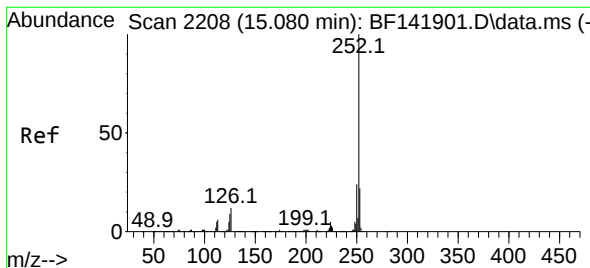
Delta R.T. 0.012 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Tgt Ion:	264	Resp:	250489
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.1	28.7
265	23.2	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 3.967 ng m

RT: 15.086 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

ENV-105-SB01

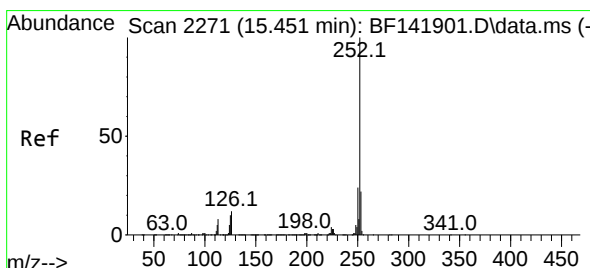
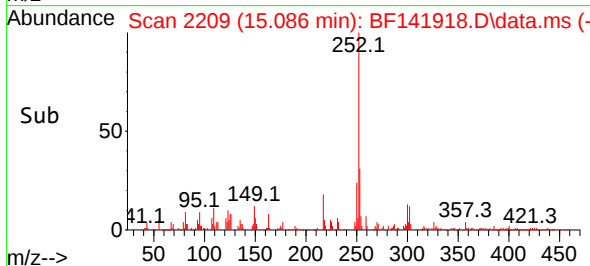
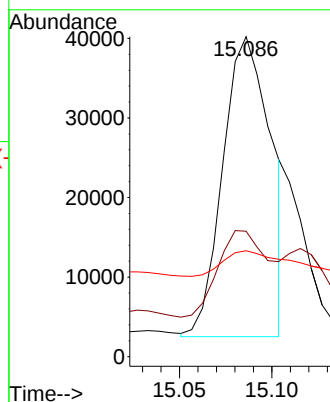
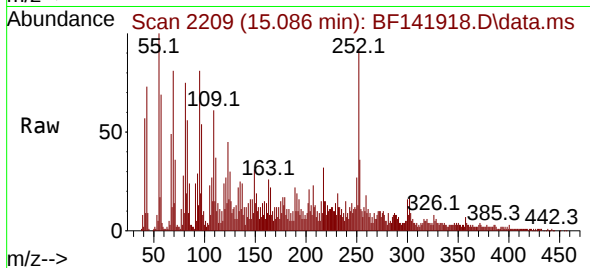
Tgt Ion:252 Resp: 6810
 Ion Ratio Lower Upper
 252 100
 253 39.2 17.5 26.3
 125 33.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#90

Benzo(a)pyrene

Concen: 3.479 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF141918.D

Acq: 11 Mar 2025 16:12

Tgt Ion:252 Resp: 46734
 Ion Ratio Lower Upper
 252 100
 253 31.2 17.4 26.0#
 125 36.5 7.8 11.8#

