

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141916.D
 Acq On : 11 Mar 2025 14:56
 Operator : RC/JU
 Sample : Q1507-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVE

Manual Integrations
 APPROVED

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

Quant Time: Mar 11 15:31:01 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	164856	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	640182	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	331717	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	486193	20.000	ng	0.00
76) Chrysene-d12	14.051	240	375854	20.000	ng	0.01
86) Perylene-d12	15.521	264	315378	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	808549	81.855	ng	0.00
7) Phenol-d6	6.498	99	1016634	80.836	ng	0.00
23) Nitrobenzene-d5	7.439	82	696983	61.269	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	318824	75.761	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1302206	59.702	ng	0.00
79) Terphenyl-d14	12.986	244	1089499	42.856	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.457	166	48250	2.235	ng	# 94
71) Phenanthrene	11.427	178	1818006	69.229	ng	100
72) Anthracene	11.474	178	615093	23.346	ng	99
73) Carbazole	11.627	167	132567	5.834	ng	# 95
75) Fluoranthene	12.627	202	5904672	211.966	ng	97
78) Pyrene	12.857	202	5292022m	162.772	ng	
81) Benzo(a)anthracene	14.039	228	3960865	160.595	ng	96
83) Chrysene	14.080	228	3156819	141.202	ng	95
84) Bis(2-ethylhexyl)phtha...	14.021	149	103656	5.908	ng	99
87) Indeno(1,2,3-cd)pyrene	17.009	276	763356	37.417	ng	95
88) Benzo(b)fluoranthene	15.104	252	3422660m	158.349	ng	
89) Benzo(k)fluoranthene	15.115	252	1075296m	58.133	ng	
90) Benzo(a)pyrene	15.468	252	1799840	106.420	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	247567	14.708	ng	95
92) Benzo(g,h,i)perylene	17.462	276	631114	37.941	ng	97

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

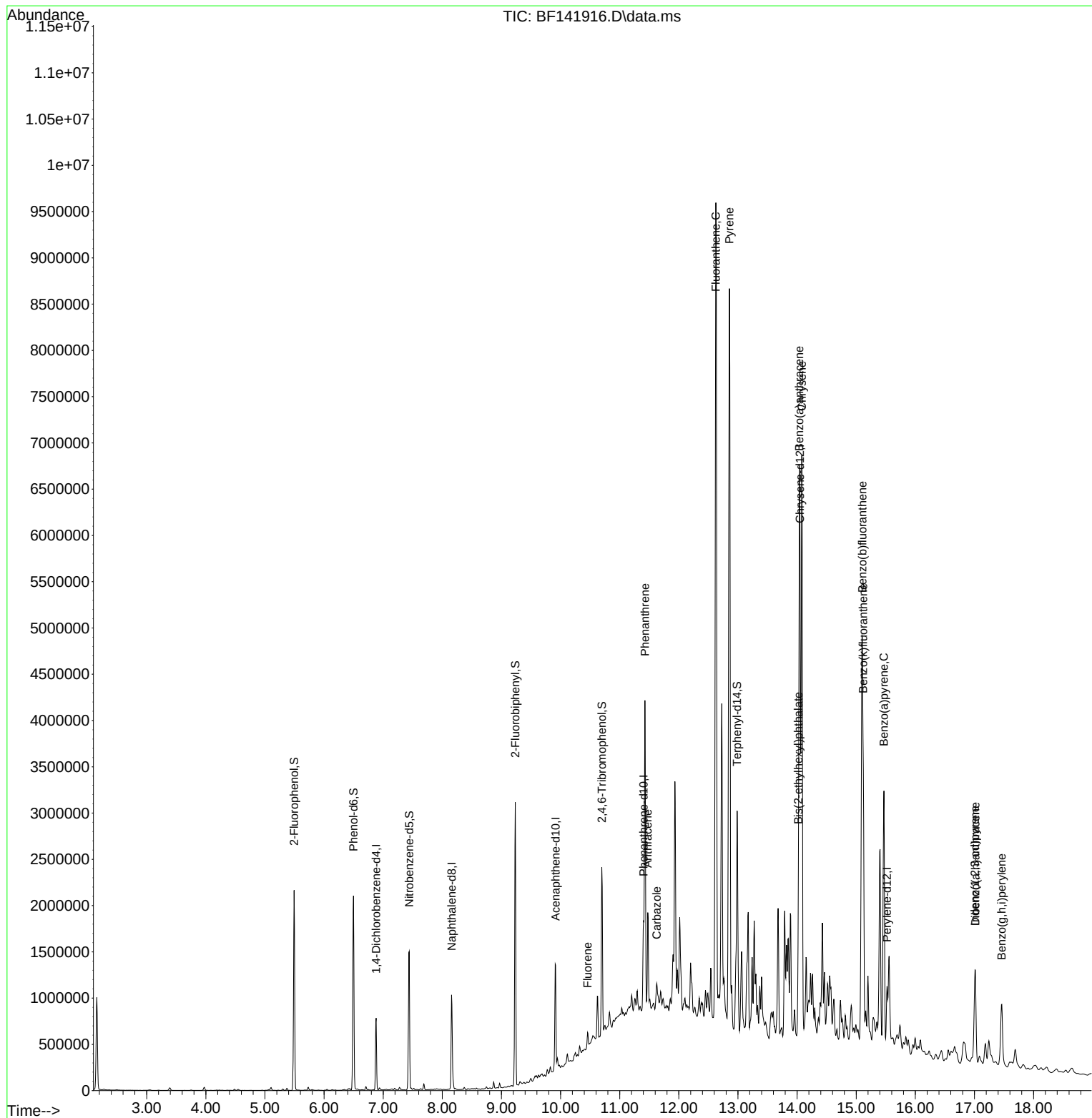
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141916.D
Acq On : 11 Mar 2025 14:56
Operator : RC/JU
Sample : Q1507-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

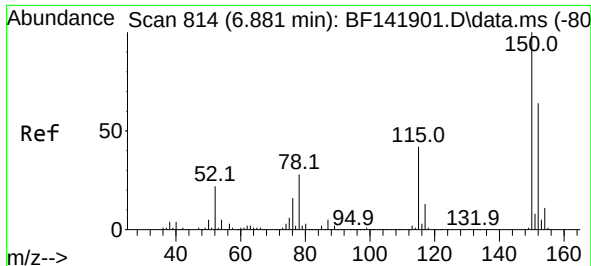
Instrument :
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Quant Time: Mar 11 15:31:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
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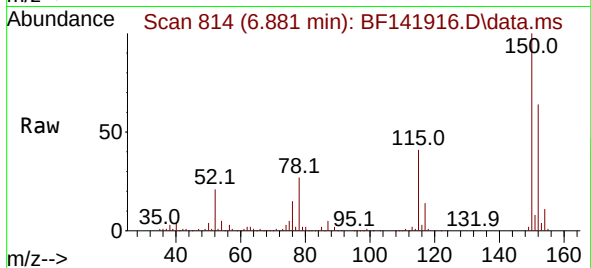
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

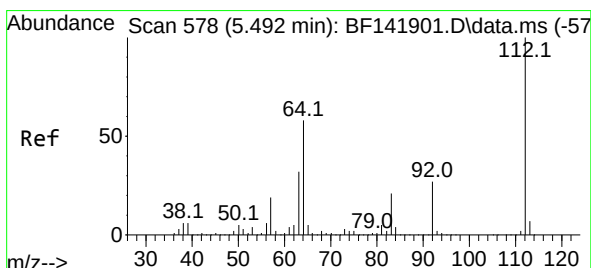
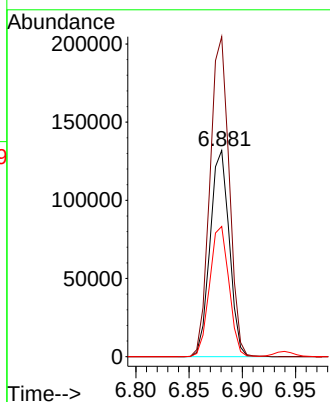
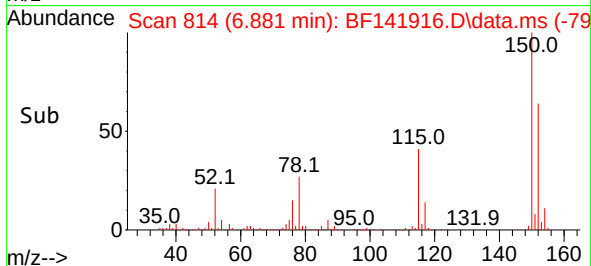
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE



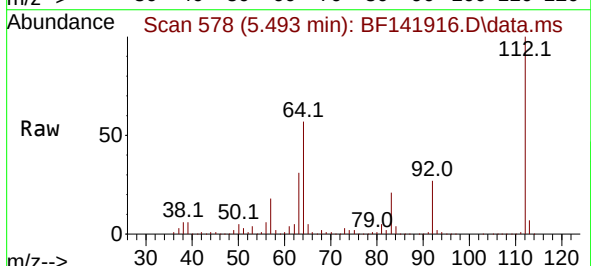
Tgt Ion:152 Resp: 164850
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.2
115 63.1 51.9 77.9

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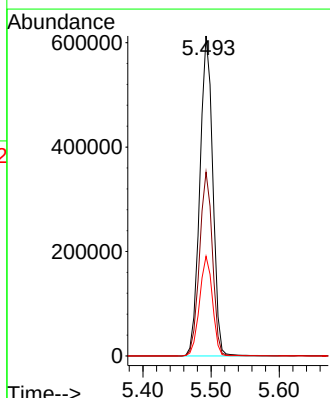
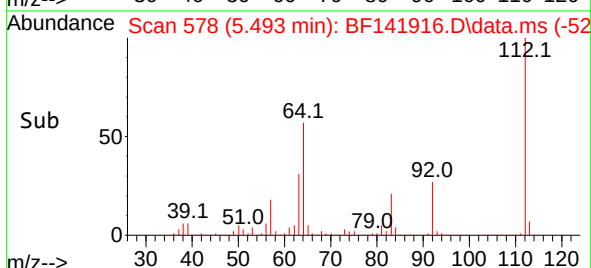
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

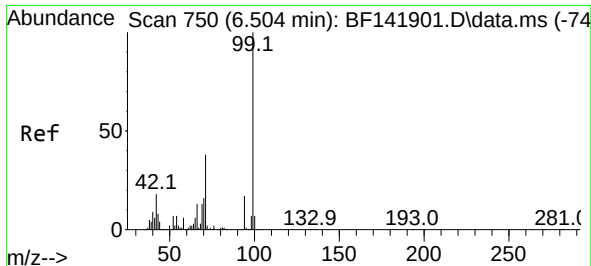


#5
2-Fluorophenol
Concen: 81.855 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56



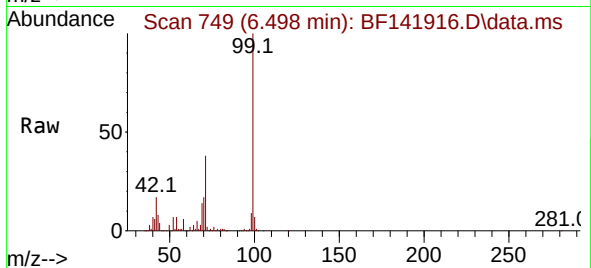
Tgt Ion:112 Resp: 808549
Ion Ratio Lower Upper
112 100
64 57.5 46.5 69.7
63 31.2 25.4 38.2





#7
Phenol-d6
Concen: 80.836 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

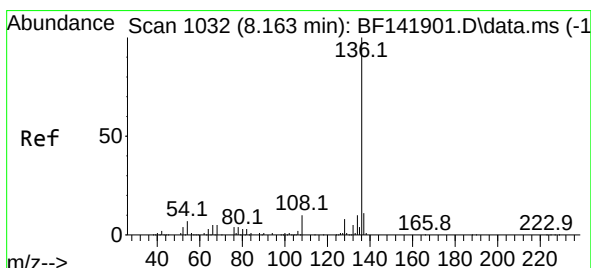
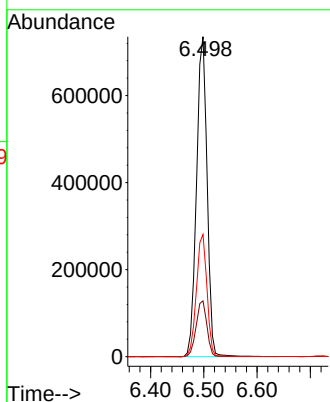
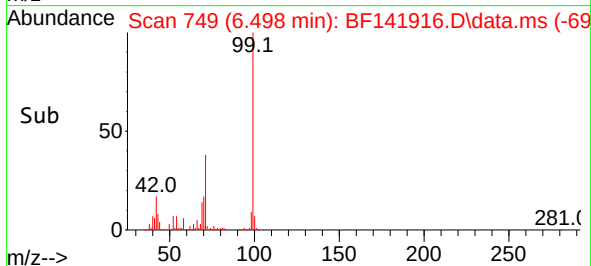
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1016634
Ion Ratio Lower Upper
99 100
42 17.5 14.6 21.8
71 38.2 30.8 46.2

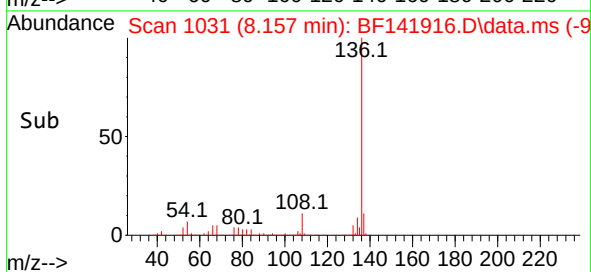
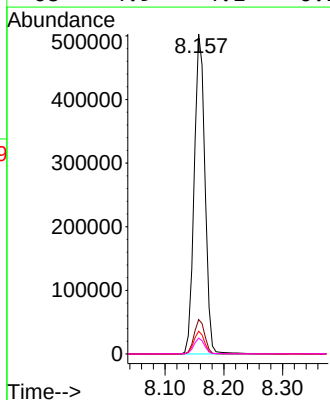
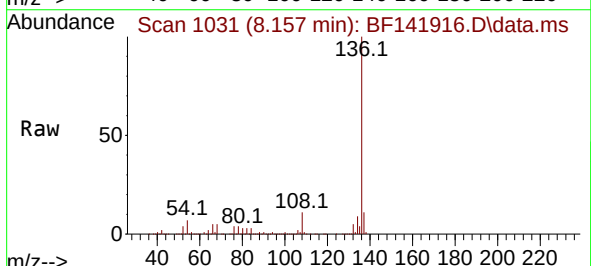
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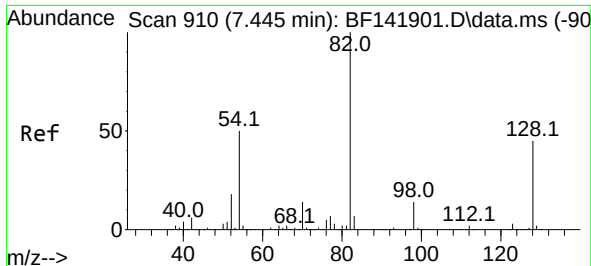
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

Tgt Ion:136 Resp: 640182
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.1 5.8 8.8
68 4.9 4.1 6.1





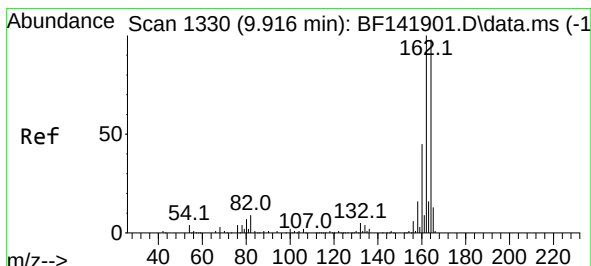
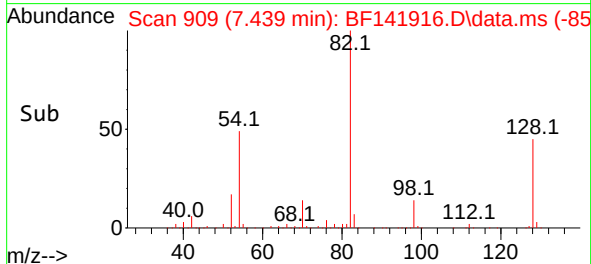
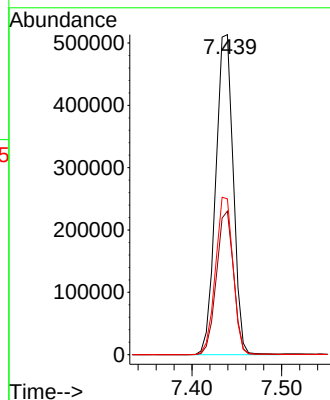
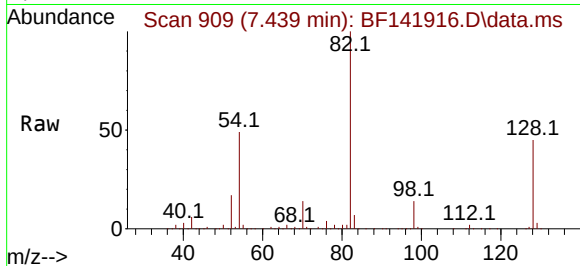
#23
Nitrobenzene-d5
Concen: 61.269 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE

Tgt Ion: 82 Resp: 69698
Ion Ratio Lower Upper
82 100
128 44.9 36.0 54.0
54 48.7 39.6 59.4

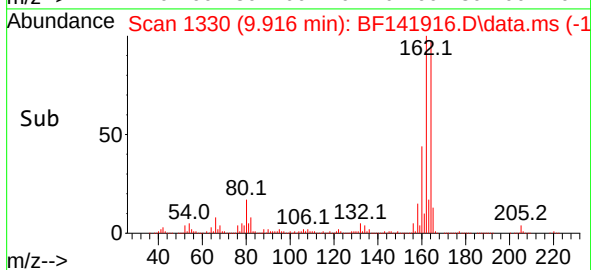
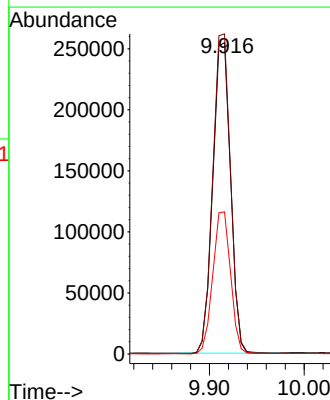
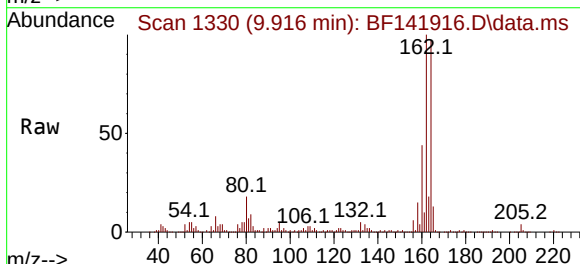
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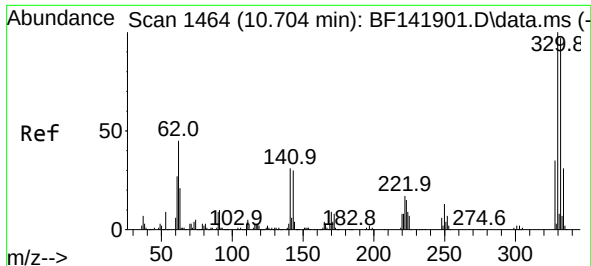
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

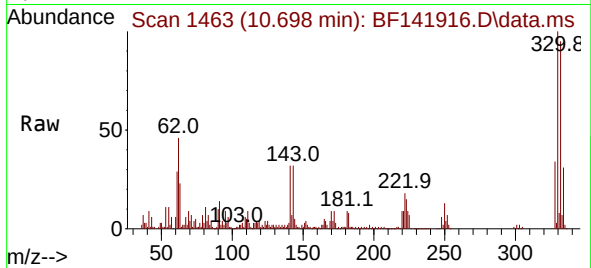
Tgt Ion:164 Resp: 331717
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.7 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 75.761 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

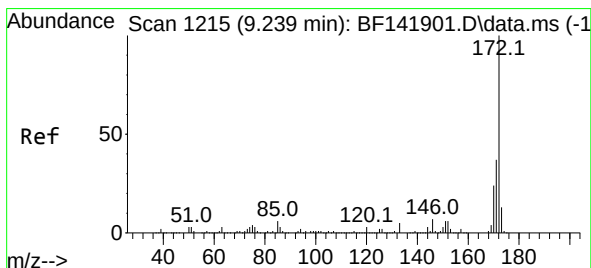
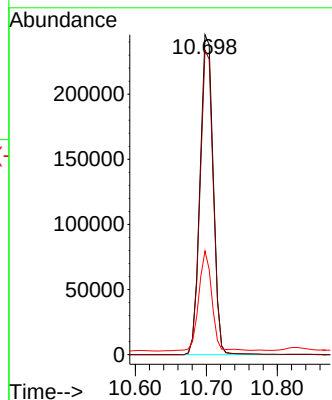
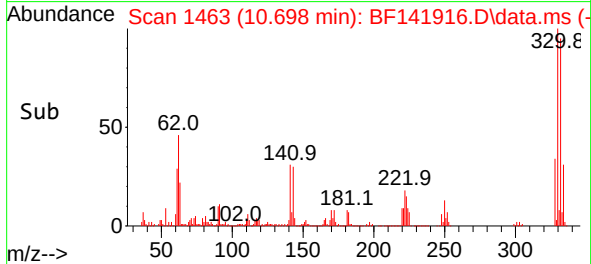
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE



Tgt Ion: 330 Resp: 318824
Ion Ratio Lower Upper
330 100
332 95.2 77.6 116.4
141 30.4 24.7 37.1

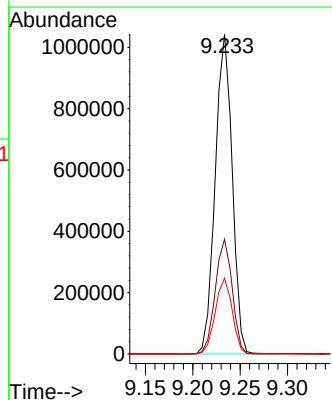
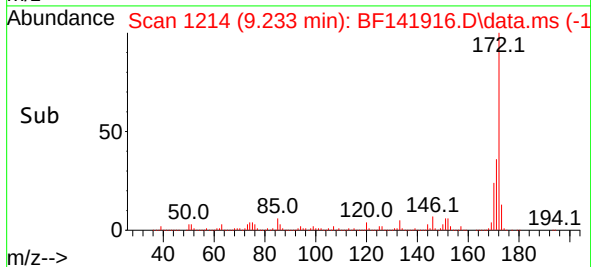
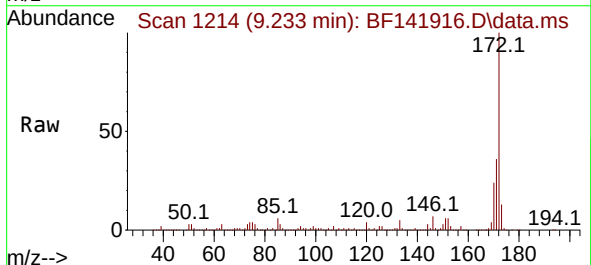
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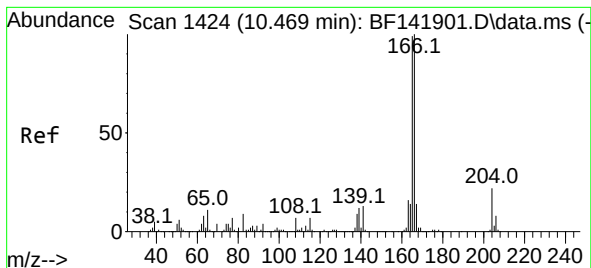
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#45
2-Fluorobiphenyl
Concen: 59.702 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

Tgt Ion: 172 Resp: 1302206
Ion Ratio Lower Upper
172 100
171 35.9 29.3 43.9
170 23.6 19.4 29.0





#58

Fluorene

Concen: 2.235 ng

RT: 10.457 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

Instrument :

BNA_F

ClientSampleId :

50-MIDDLESEX-AVE

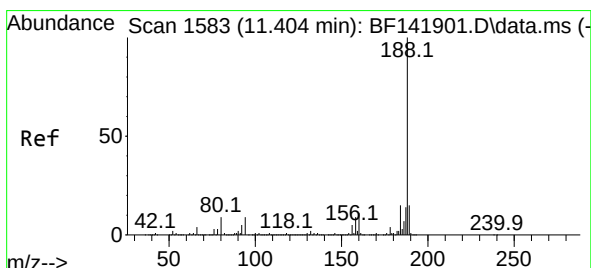
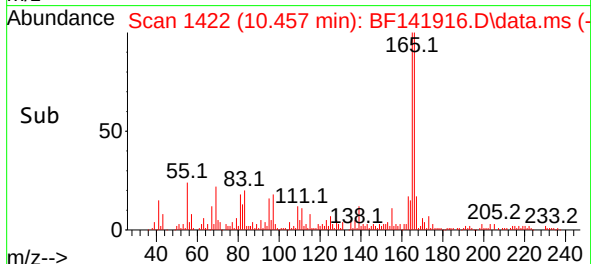
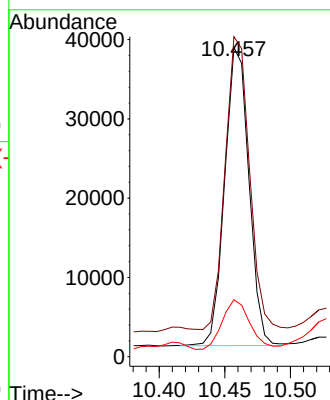
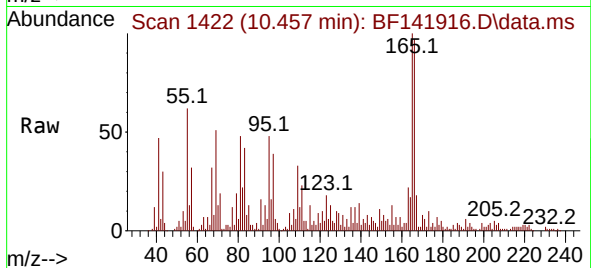
Tgt Ion:166 Resp: 48250
 Ion Ratio Lower Upper
 166 100
 165 103.5 79.0 118.4
 167 18.4 11.0 16.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

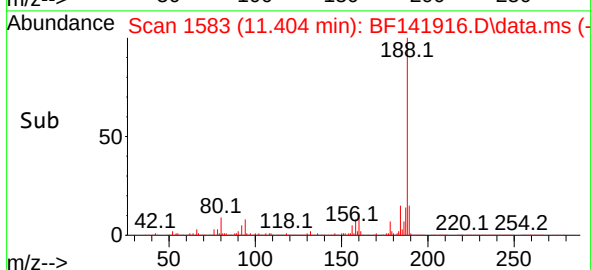
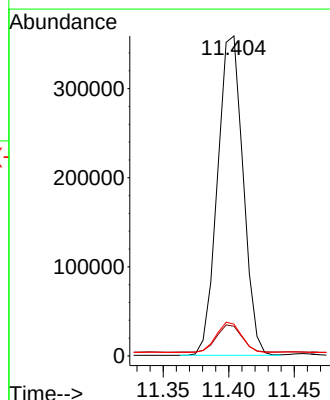
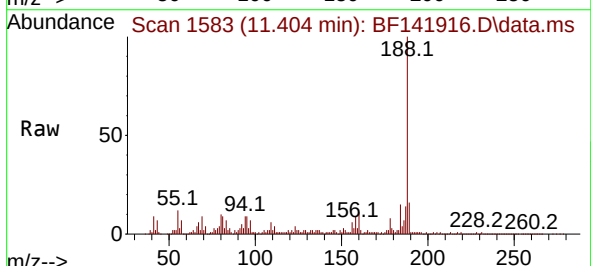
RT: 11.404 min Scan# 1583

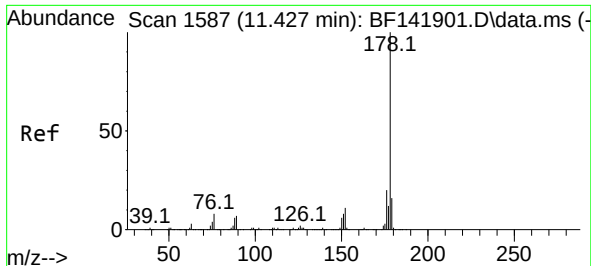
Delta R.T. -0.000 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

Tgt Ion:188 Resp: 486193
 Ion Ratio Lower Upper
 188 100
 94 9.3 6.8 10.2
 80 9.9 7.6 11.4





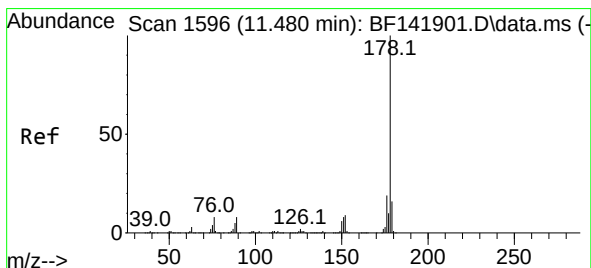
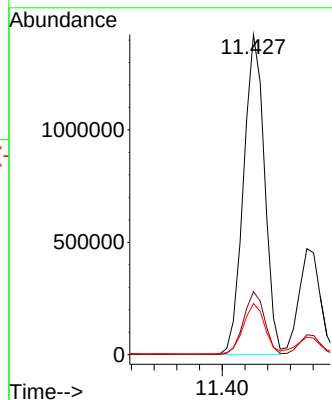
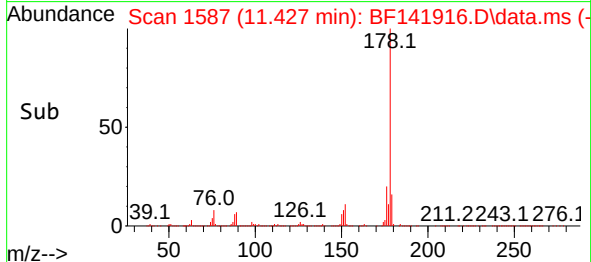
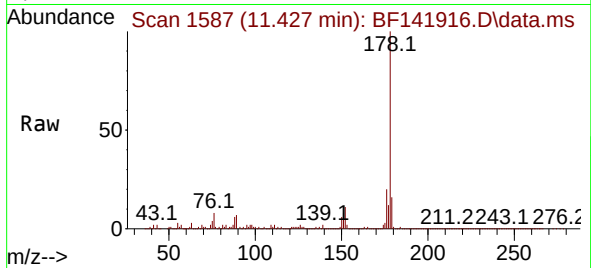
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Phenanthrene
Concen: 69.229 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE

Tgt Ion:178 Resp: 1818000
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.0 12.6 19.0

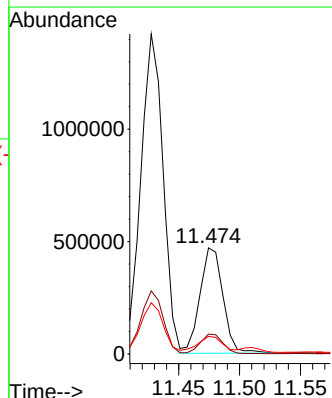
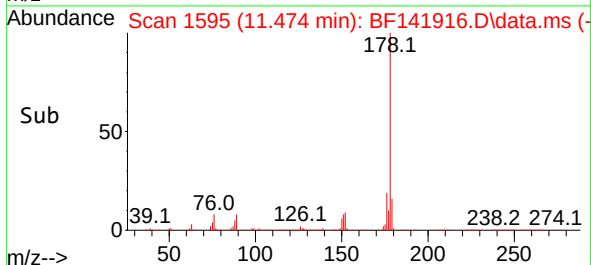
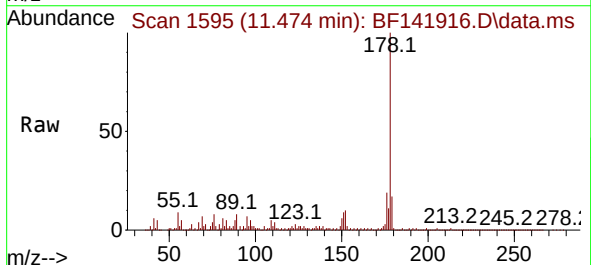
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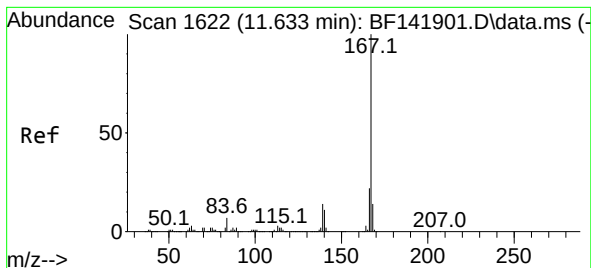
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#72
Anthracene
Concen: 23.346 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

Tgt Ion:178 Resp: 615093
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 16.6 12.6 19.0





#73

Carbazole

Concen: 5.834 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

Instrument :

BNA_F

ClientSampleId :

50-MIDDLESEX-AVE

Tgt Ion:167 Resp: 13256

Ion Ratio Lower Upper

167 100

166 23.6 17.4 26.2

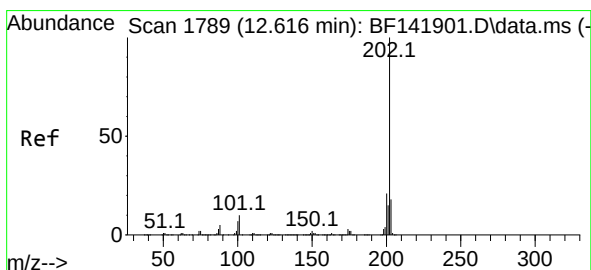
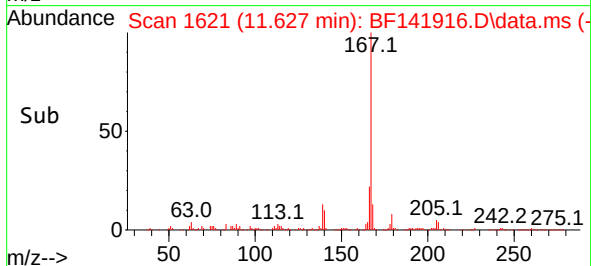
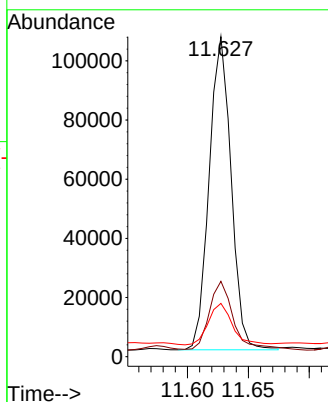
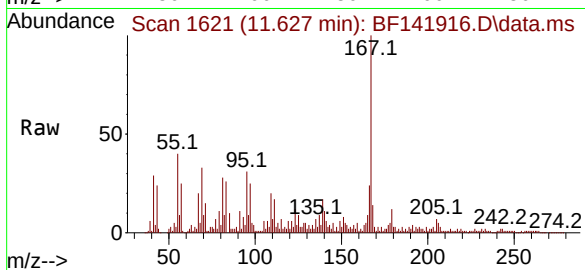
139 16.7 11.0 16.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/12/2025



#75

Fluoranthene

Concen: 211.966 ng

RT: 12.627 min Scan# 1791

Delta R.T. 0.012 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

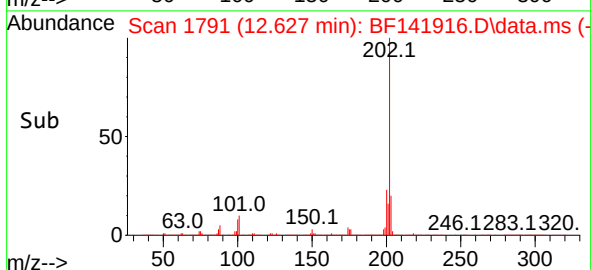
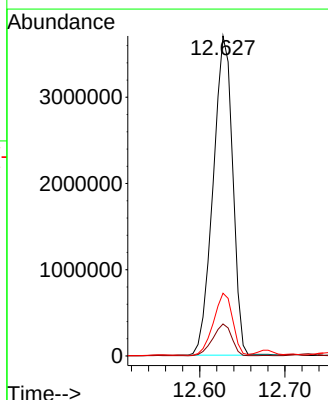
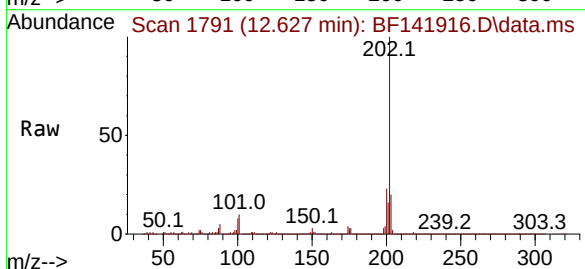
Tgt Ion:202 Resp: 5904672

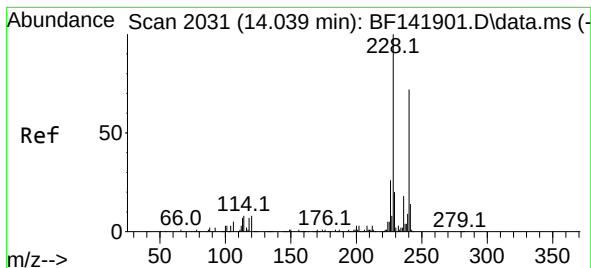
Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.7

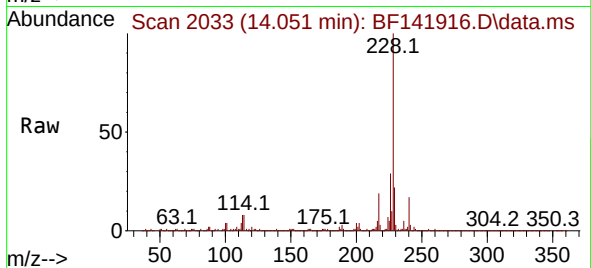
203 19.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

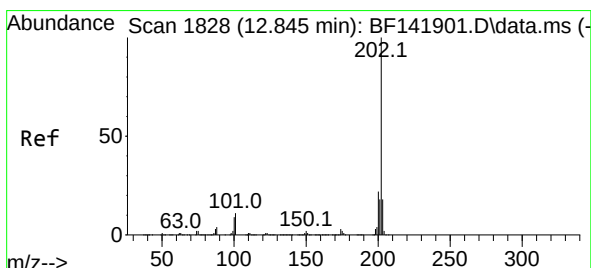
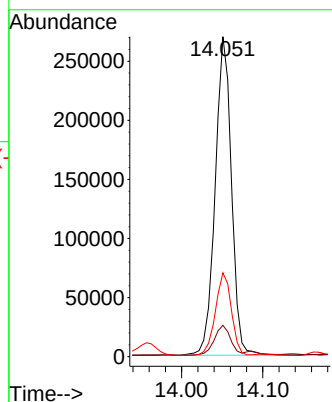
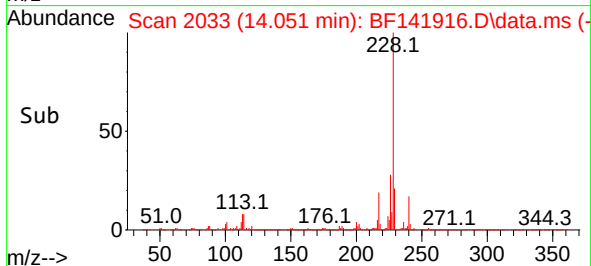
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE



Tgt Ion:240 Resp: 375854
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 26.2 20.5 30.7

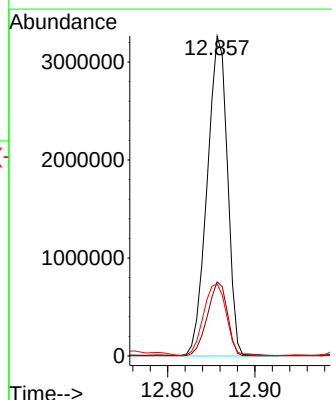
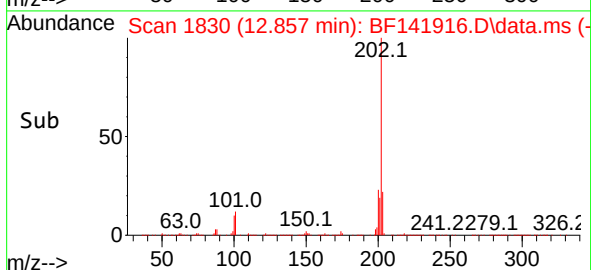
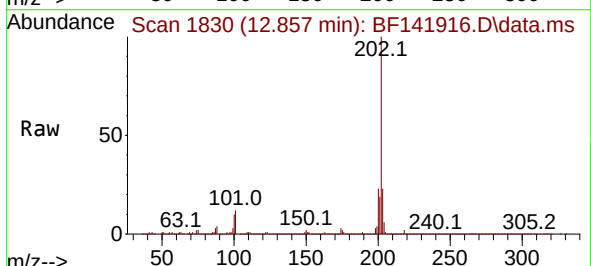
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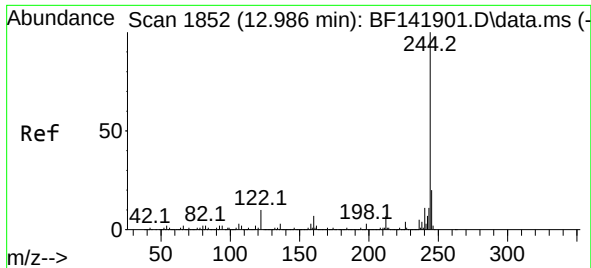
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#78
Pyrene
Concen: 162.772 ng m
RT: 12.857 min Scan# 1830
Delta R.T. 0.012 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

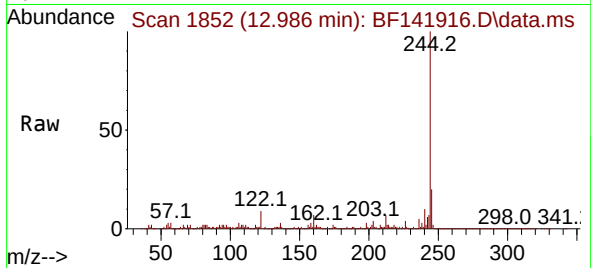
Tgt Ion:202 Resp: 5292022
Ion Ratio Lower Upper
202 100
200 23.2 17.3 25.9
203 22.5 14.4 21.6#





#79
 Terphenyl-d14
 Concen: 42.856 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141916.D
 Acq: 11 Mar 2025 14:56

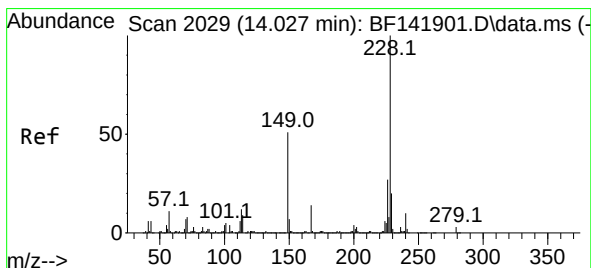
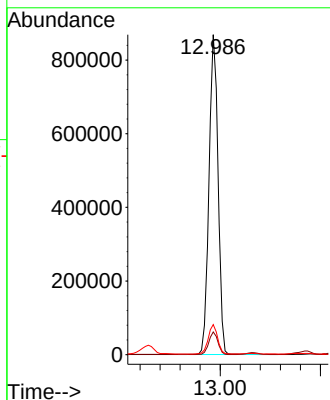
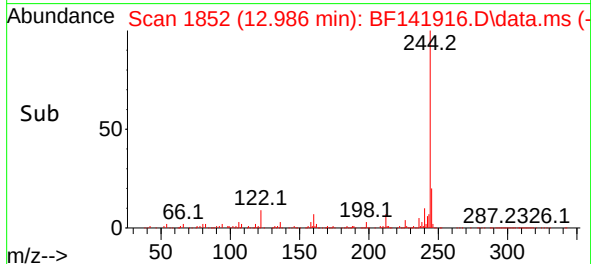
Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVE



Tgt Ion:244 Resp: 1089499
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.4 7.7 11.5

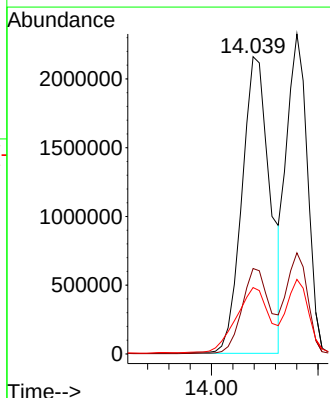
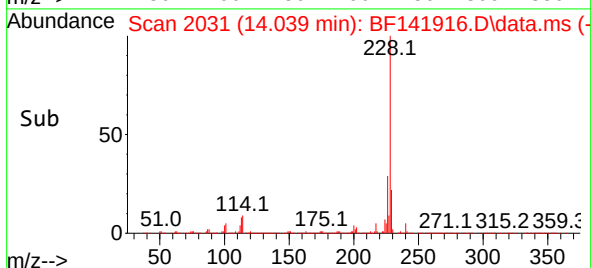
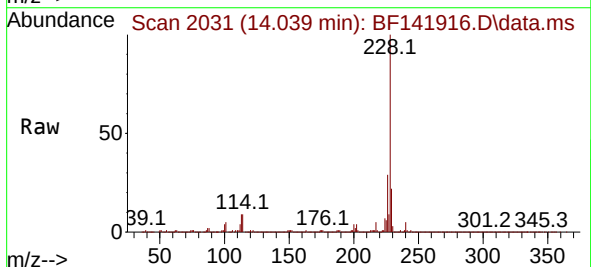
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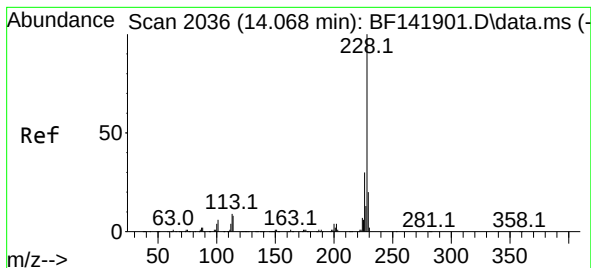
Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025



#81
 Benzo(a)anthracene
 Concen: 160.595 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. 0.012 min
 Lab File: BF141916.D
 Acq: 11 Mar 2025 14:56

Tgt Ion:228 Resp: 3960865
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.8 32.8
 229 22.3 16.0 24.0





#83

Chrysene

Concen: 141.202 ng

RT: 14.080 min Scan# 2036

Delta R.T. 0.012 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

Instrument :

BNA_F

ClientSampleId :

50-MIDDLESEX-AVE

Tgt Ion:228 Resp: 3156819

Ion Ratio Lower Upper

228 100

226 31.6 24.1 36.1

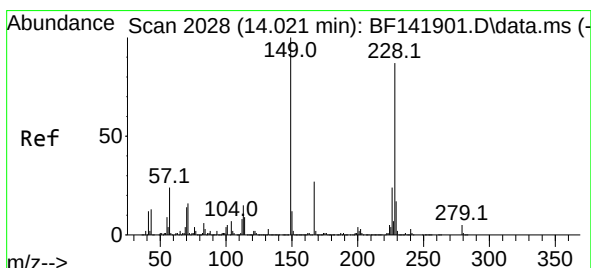
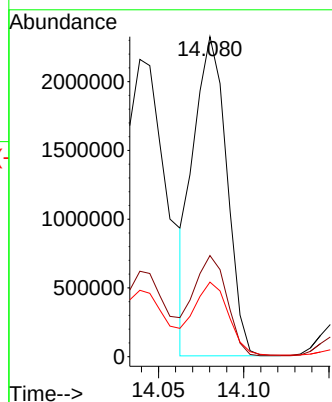
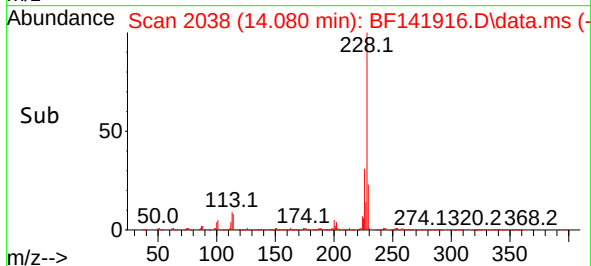
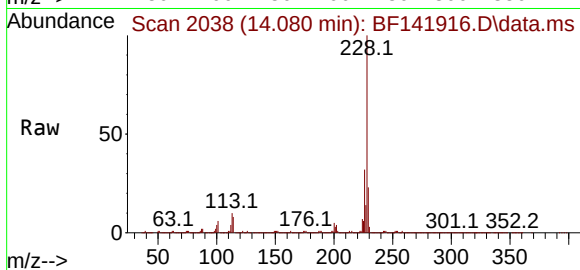
229 23.3 15.7 23.5

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Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.908 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

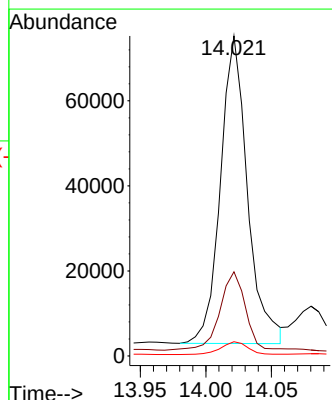
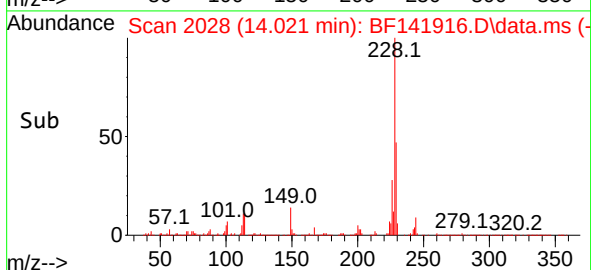
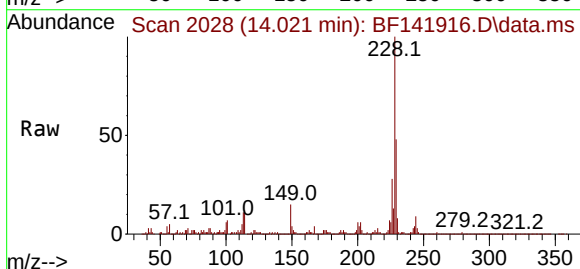
Tgt Ion:149 Resp: 103656

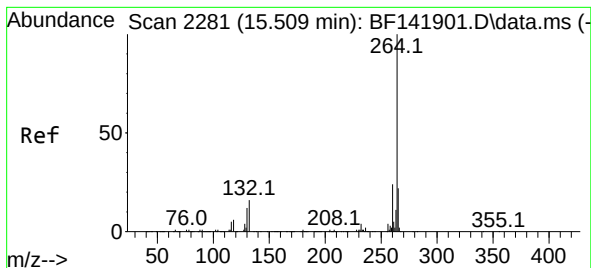
Ion Ratio Lower Upper

149 100

167 26.3 21.4 32.0

279 4.5 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

Instrument :

BNA_F

ClientSampleId :

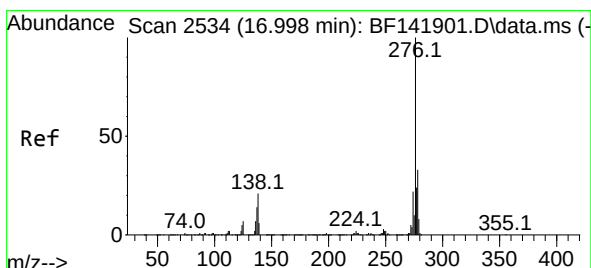
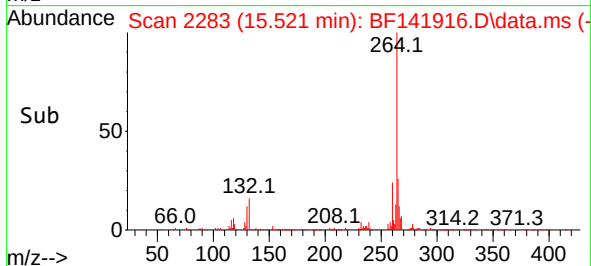
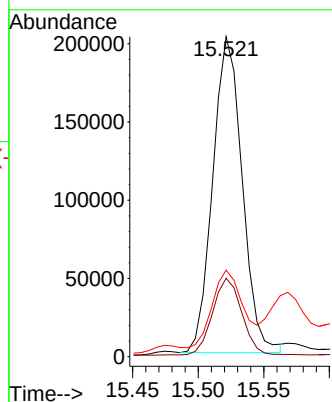
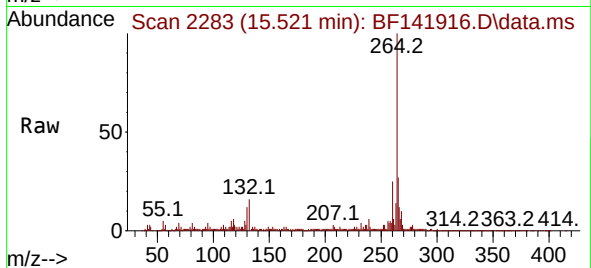
50-MIDDLESEX-AVE

Tgt Ion:264 Resp: 315378
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.1 28.7
 265 27.1 17.5 26.3

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 37.417 ng

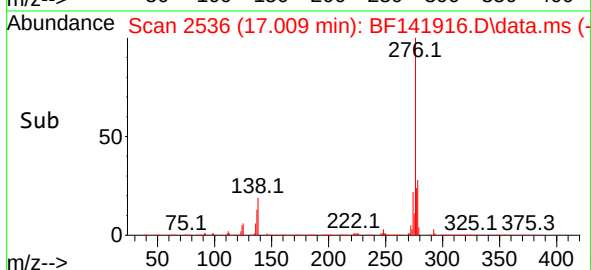
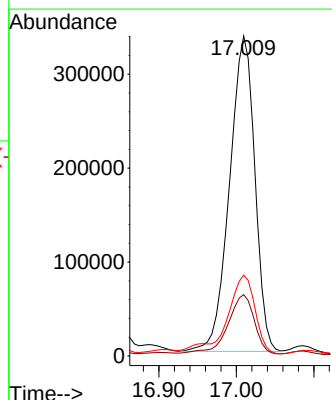
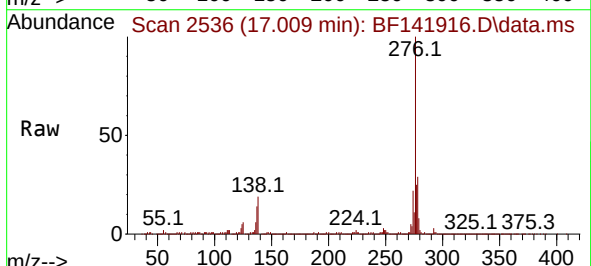
RT: 17.009 min Scan# 2536

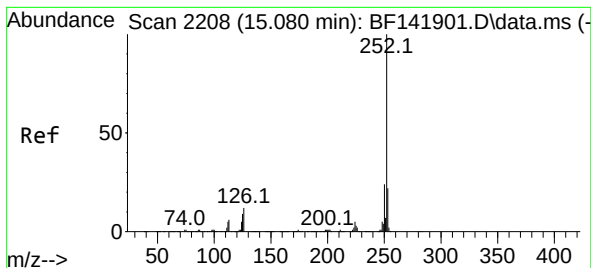
Delta R.T. 0.012 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

Tgt Ion:276 Resp: 763356
 Ion Ratio Lower Upper
 276 100
 138 20.2 18.4 27.6
 277 27.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 158.349 ng m

RT: 15.104 min Scan# 2114

Delta R.T. 0.024 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

Instrument :

BNA_F

ClientSampleId :

50-MIDDLESEX-AVE

Tgt Ion:252 Resp: 3422660

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

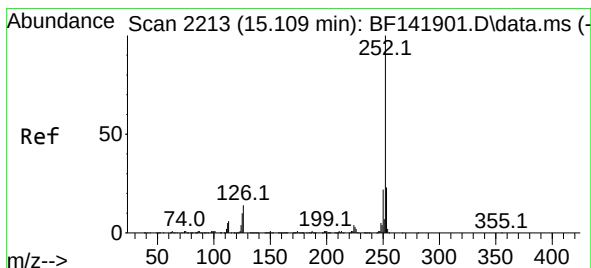
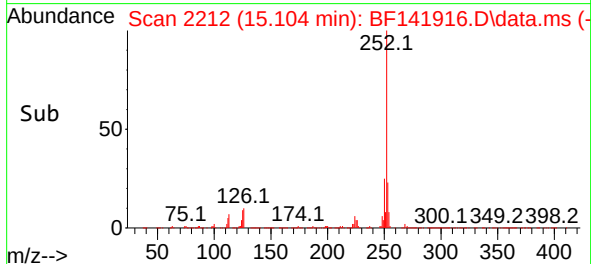
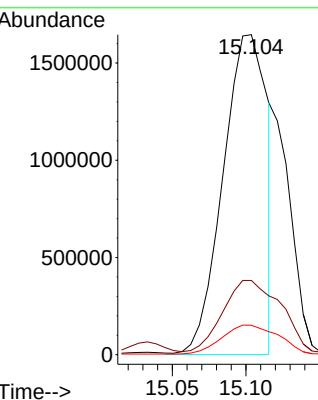
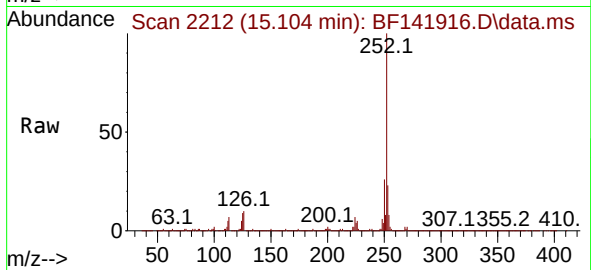
125 9.2 7.0 10.4

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Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#89

Benzo(k)fluoranthene

Concen: 58.133 ng m

RT: 15.115 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF141916.D

Acq: 11 Mar 2025 14:56

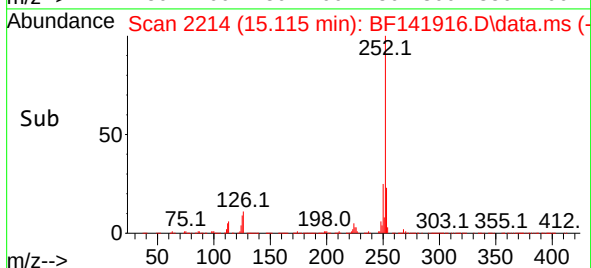
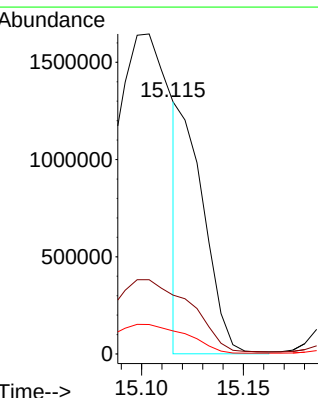
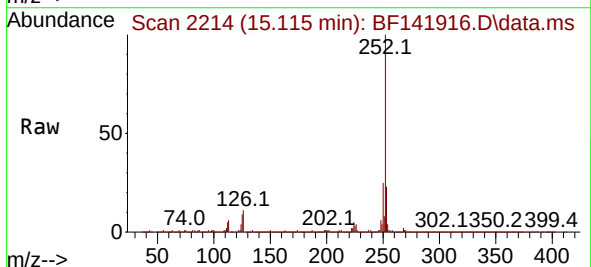
Tgt Ion:252 Resp: 1075296

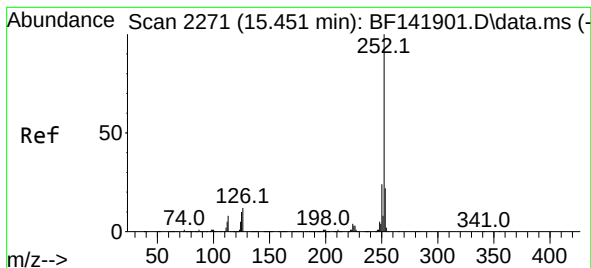
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

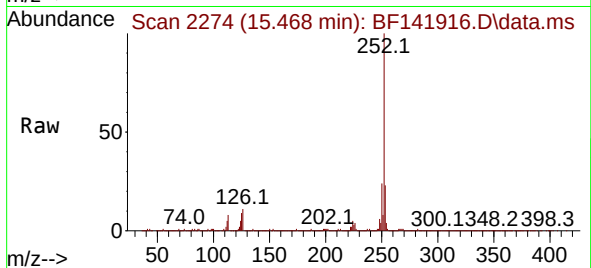
125 9.2 7.2 10.8





#90
Benzo(a)pyrene
Concen: 106.420 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

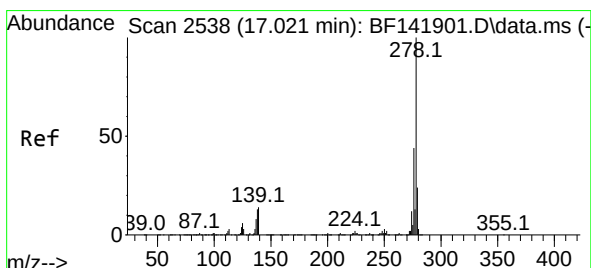
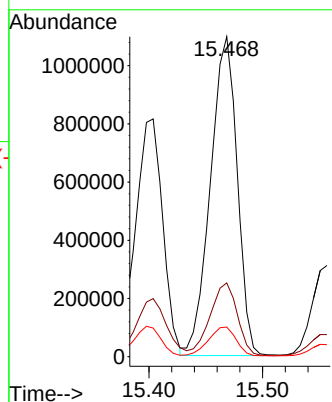
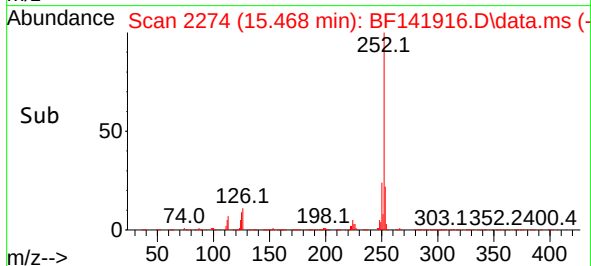
Instrument :
BNA_F
ClientSampleId :
50-MIDDLESEX-AVE



Tgt Ion:252 Resp: 1799840
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 9.3 7.8 11.8

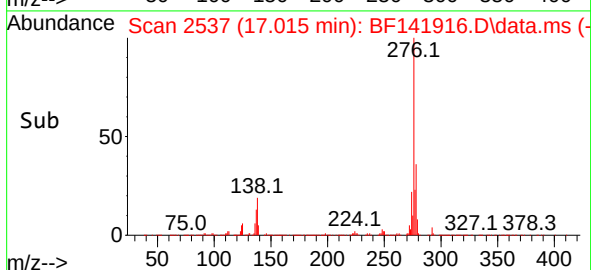
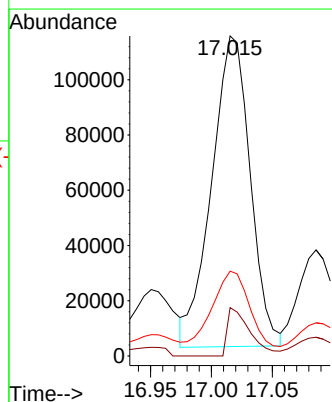
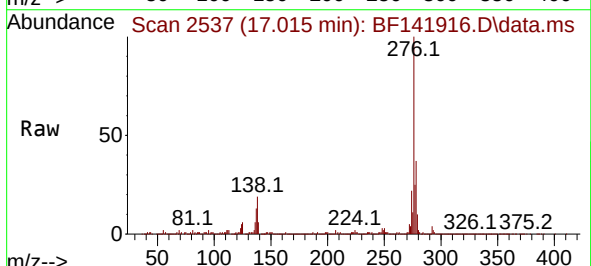
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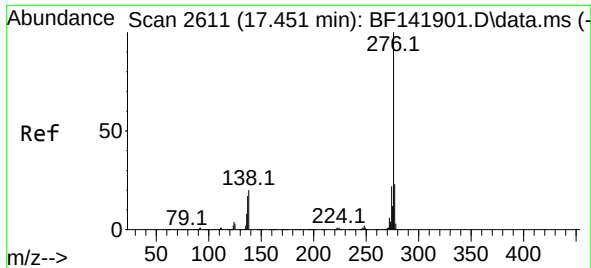
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 14.708 ng
RT: 17.015 min Scan# 2537
Delta R.T. -0.006 min
Lab File: BF141916.D
Acq: 11 Mar 2025 14:56

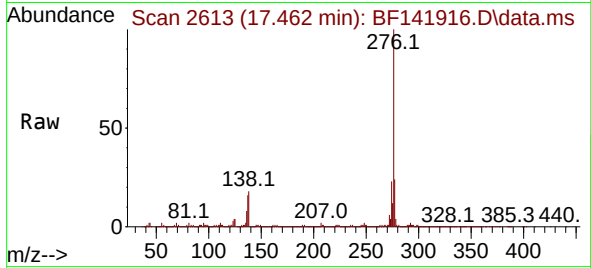
Tgt Ion:278 Resp: 247567
Ion Ratio Lower Upper
278 100
139 15.1 11.4 17.2
279 26.5 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 37.941 ng
 RT: 17.462 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF141916.D
 Acq: 11 Mar 2025 14:56

Instrument :
 BNA_F
 ClientSampleId :
 50-MIDDLESEX-AVE



Tgt Ion:276 Resp: 631114
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.7 28.1
 138 18.0 15.8 23.8

Manual Integrations
 APPROVED

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

