

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141917.D
 Acq On : 11 Mar 2025 15:26
 Operator : RC/JU
 Sample : Q1508-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251372

Manual Integrations
 APPROVED

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

Quant Time: Mar 11 15:59:20 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	134124	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	490236	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	231298	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	366665	20.000	ng	# 0.02
76) Chrysene-d12	14.080	240	378613	20.000	ng	# 0.04
86) Perylene-d12	15.551	264	254445	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	672498	83.682	ng	0.00
7) Phenol-d6	6.498	99	849596	83.033	ng	0.00
23) Nitrobenzene-d5	7.439	82	534628	61.372	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	267347	91.110	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	951975	62.593	ng	0.00
79) Terphenyl-d14	13.021	244	1068167	41.711	ng	0.04
Target Compounds						Qvalue
70) Pentachlorophenol	11.222	266	44530	14.310	ng	95
71) Phenanthrene	11.451	178	512995	25.903	ng	# 77
72) Anthracene	11.498	178	63639	3.203	ng	# 13
74) Di-n-butylphthalate	11.986	149	89957	3.956	ng	# 41
75) Fluoranthene	12.657	202	1210359	57.614	ng	91
78) Pyrene	12.886	202	992897	30.317	ng	# 93
81) Benzo(a)anthracene	14.068	228	556577	22.402	ng	# 93
83) Chrysene	14.104	228	568982	25.265	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.051	149	938108	53.078	ng	# 89
87) Indeno(1,2,3-cd)pyrene	17.021	276	203597m	12.369	ng	
88) Benzo(b)fluoranthene	15.121	252	680990m	39.051	ng	
89) Benzo(k)fluoranthene	15.139	252	175172m	11.738	ng	
90) Benzo(a)pyrene	15.486	252	306765	22.482	ng	# 78
91) Dibenzo(a,h)anthracene	17.033	278	48042	3.538	ng	# 73
92) Benzo(g,h,i)perylene	17.468	276	179369	13.366	ng	99

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

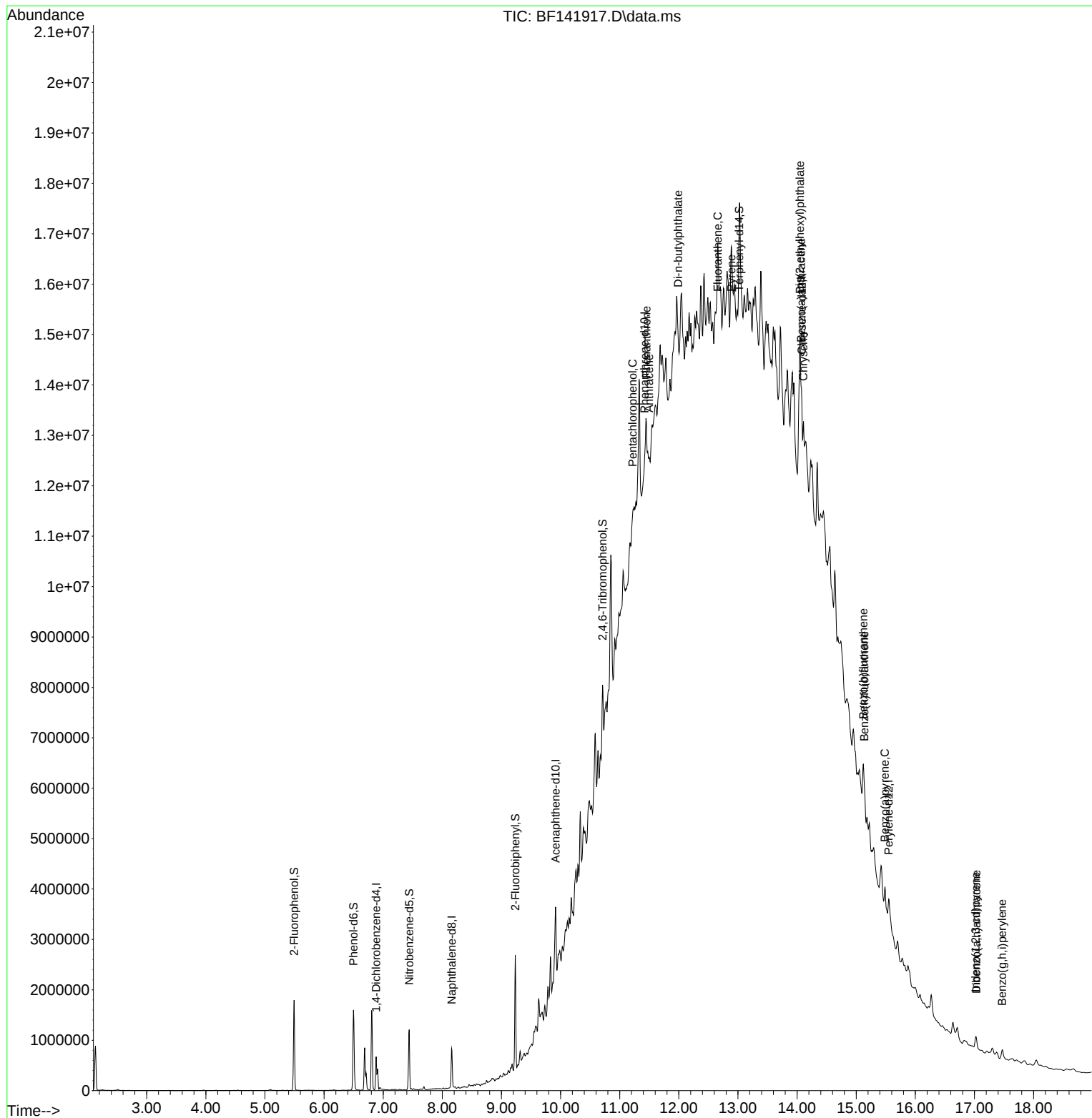
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141917.D
Acq On : 11 Mar 2025 15:26
Operator : RC/JU
Sample : Q1508-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR251372

Quant Time: Mar 11 15:59:20 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

Manual Integrations
APPROVED

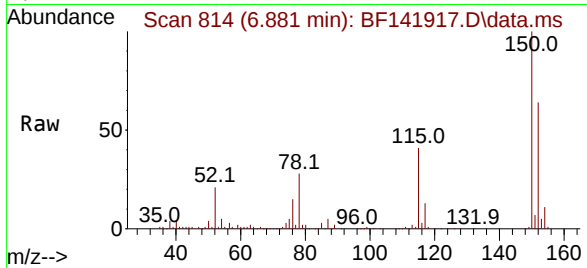
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

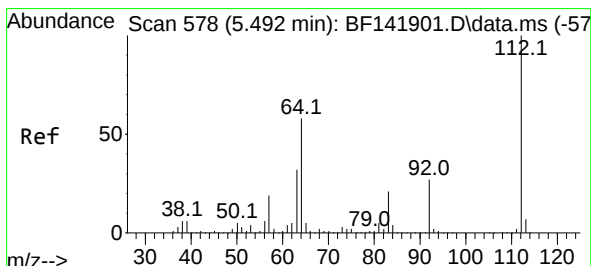
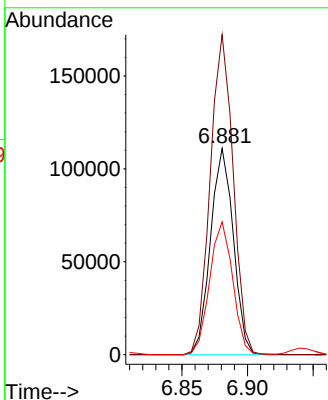
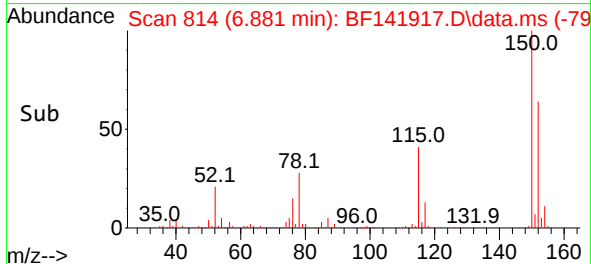
Instrument :
BNA_F
ClientSampleId :
RBR251372



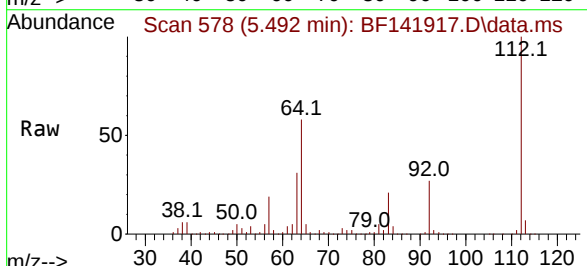
Tgt Ion:152 Resp: 134124
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.2
115 64.4 51.9 77.9

Manual Integrations
APPROVED

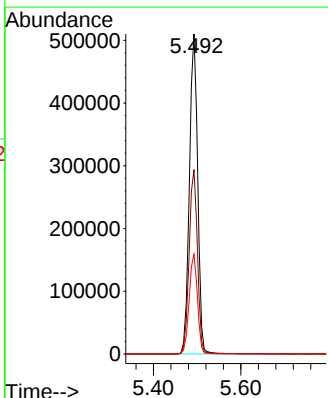
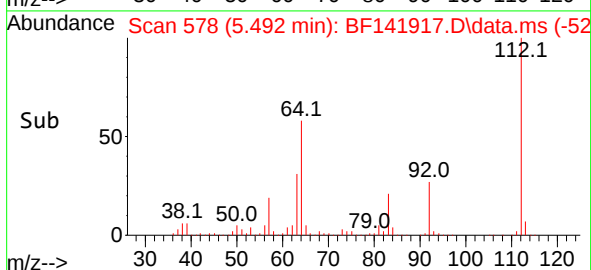
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#5
2-Fluorophenol
Concen: 83.682 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26



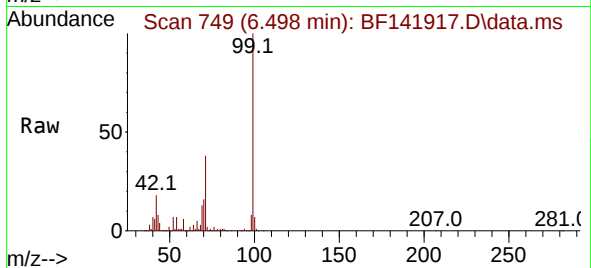
Tgt Ion:112 Resp: 672498
Ion Ratio Lower Upper
112 100
64 57.7 46.5 69.7
63 31.2 25.4 38.2





#7
Phenol-d6
Concen: 83.033 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

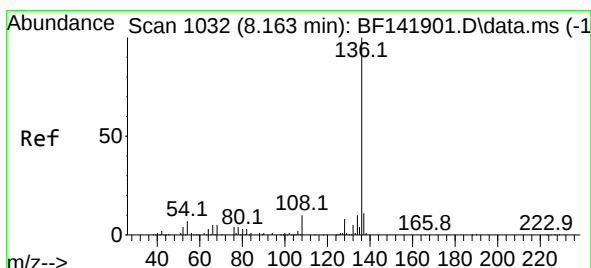
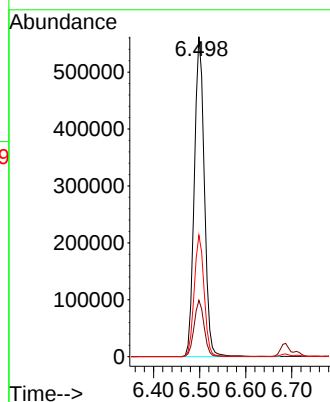
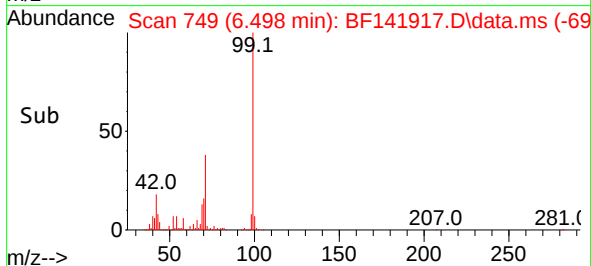
Instrument :
BNA_F
ClientSampleId :
RBR251372



Tgt Ion: 99 Resp: 849590
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 38.0 30.8 46.2

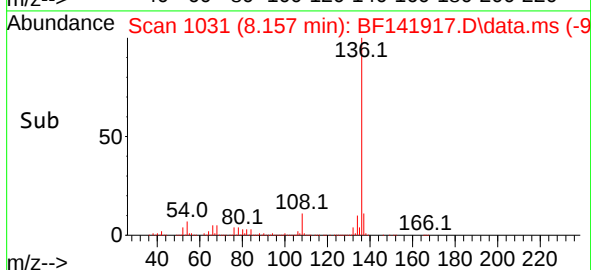
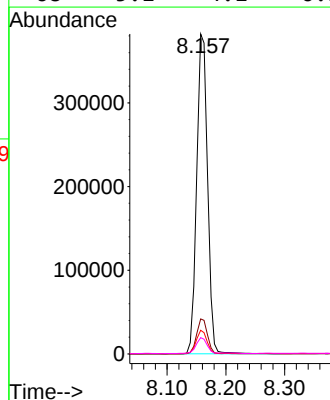
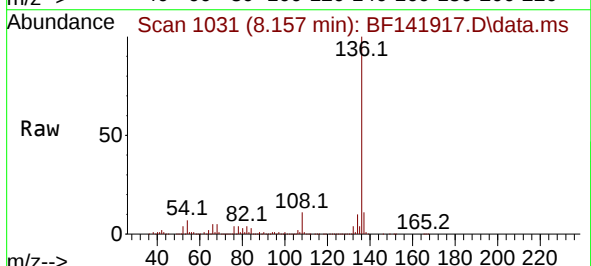
Manual Integrations
APPROVED

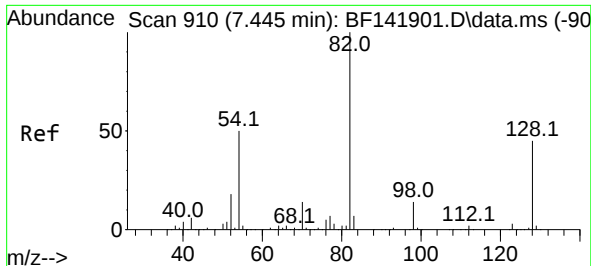
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

Tgt Ion:136 Resp: 490236
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.4 5.8 8.8
68 5.1 4.1 6.1





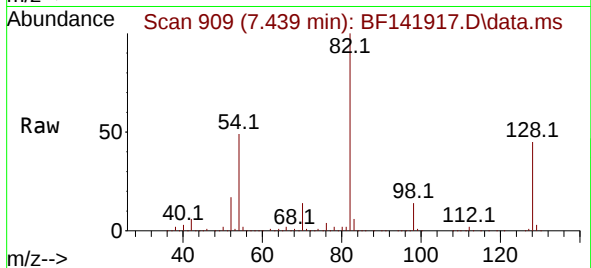
#23
Nitrobenzene-d5
Concen: 61.372 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

Instrument :

BNA_F

ClientSampleId :

RBR251372

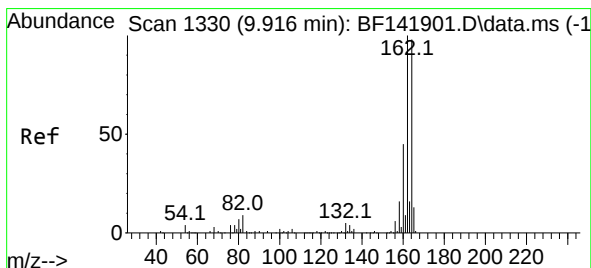
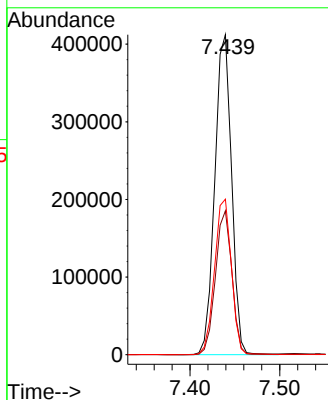
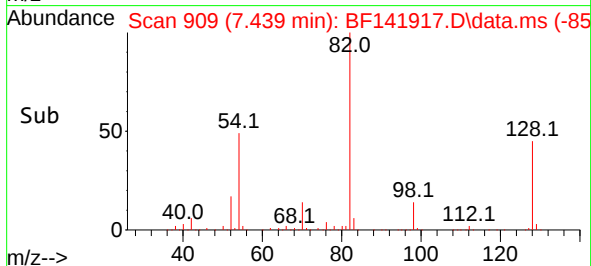


Tgt Ion: 82 Resp: 534628
Ion Ratio Lower Upper
82 100
128 44.9 36.0 54.0
54 48.6 39.6 59.4

Manual Integrations

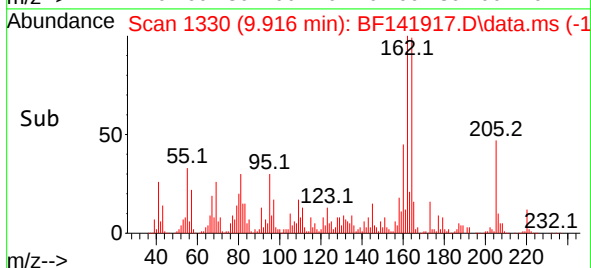
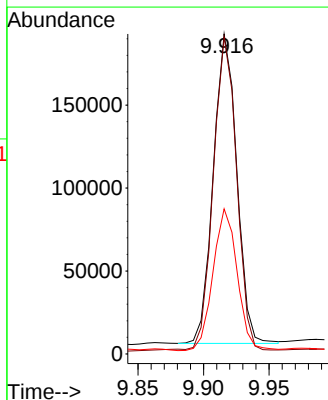
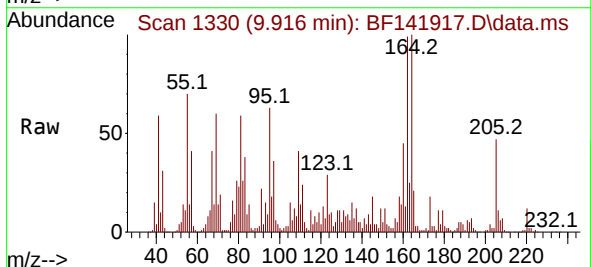
APPROVED

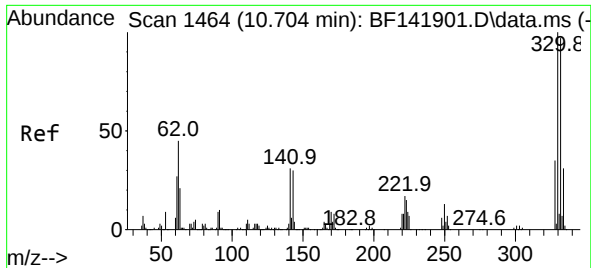
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

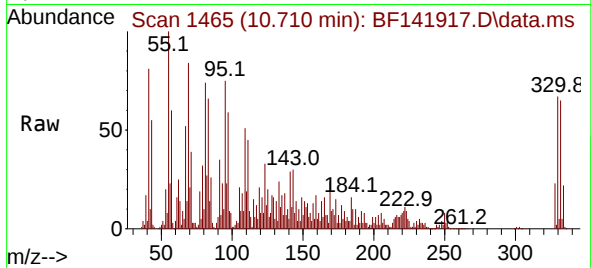
Tgt Ion:164 Resp: 231298
Ion Ratio Lower Upper
164 100
162 99.0 81.8 122.6
160 45.3 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 91.110 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

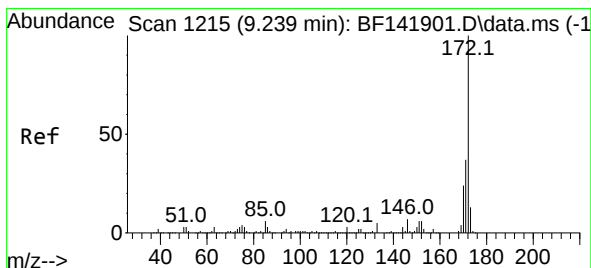
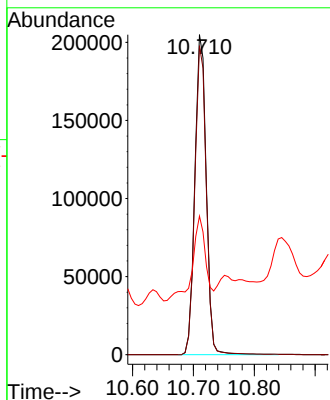
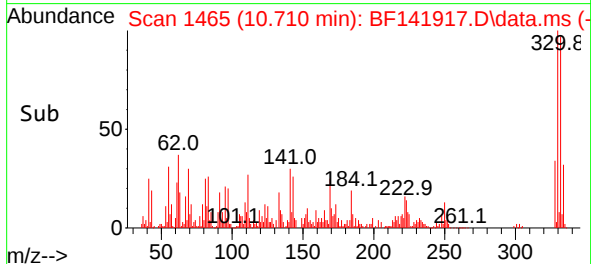
Instrument :
BNA_F
ClientSampleId :
RBR251372



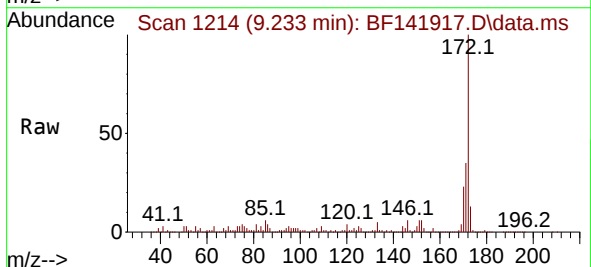
Tgt Ion:330 Resp: 26734
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 29.8 24.7 37.1

Manual Integrations
APPROVED

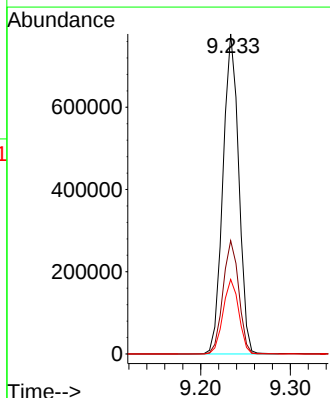
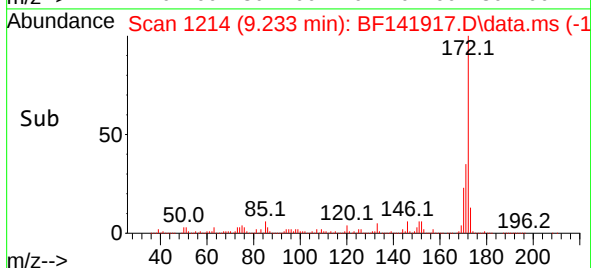
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

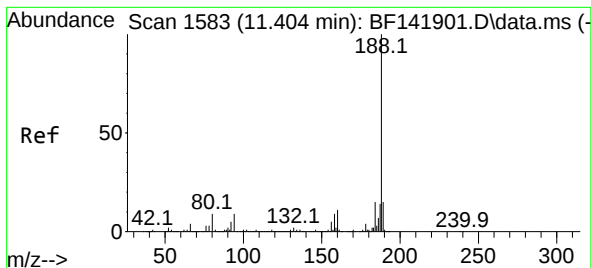


#45
2-Fluorobiphenyl
Concen: 62.593 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26



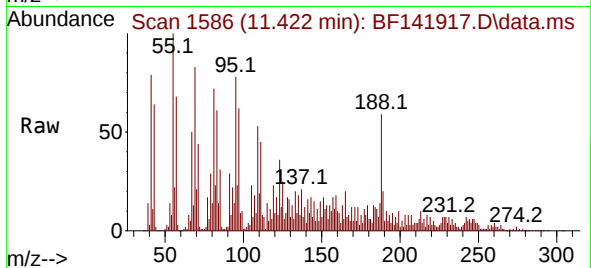
Tgt Ion:172 Resp: 951975
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 23.3 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.018 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

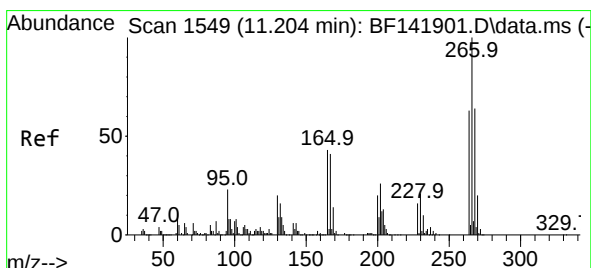
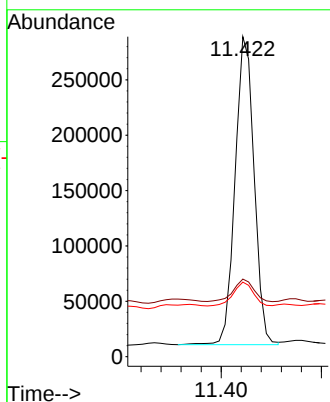
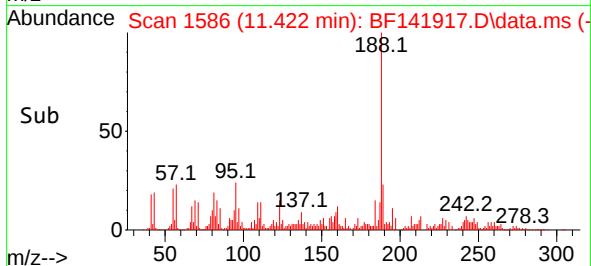
Instrument :
BNA_F
ClientSampleId :
RBR251372



Tgt Ion:188 Resp: 36666
Ion Ratio Lower Upper
188 100
94 24.2 6.8 10.2
80 23.3 7.6 11.4

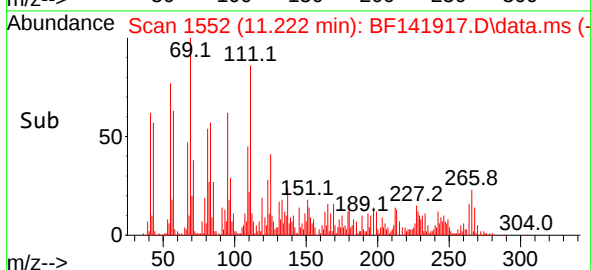
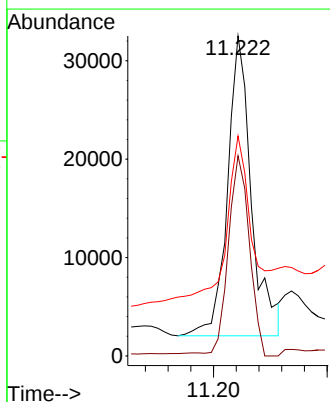
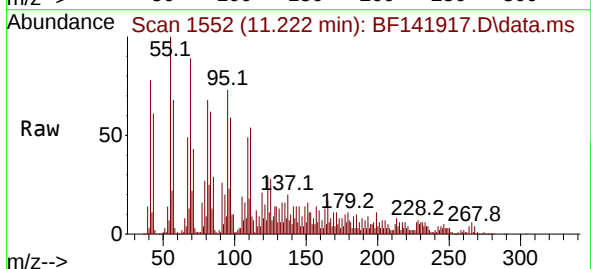
Manual Integrations
APPROVED

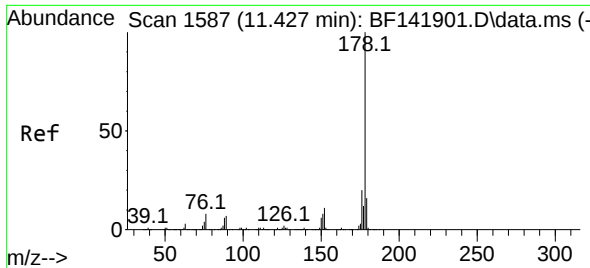
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#70
Pentachlorophenol
Concen: 14.310 ng
RT: 11.222 min Scan# 1552
Delta R.T. 0.018 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

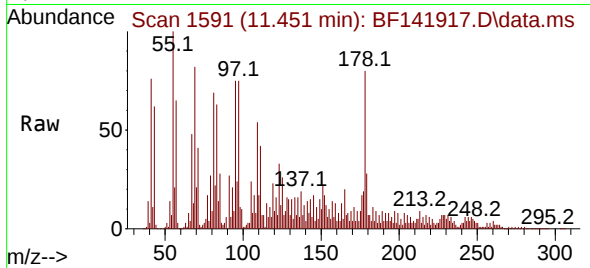
Tgt Ion:266 Resp: 44530
Ion Ratio Lower Upper
266 100
268 62.5 51.0 76.6
264 68.7 50.2 75.2





#71
Phenanthrene
Concen: 25.903 ng
RT: 11.451 min Scan# 11451
Delta R.T. 0.024 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

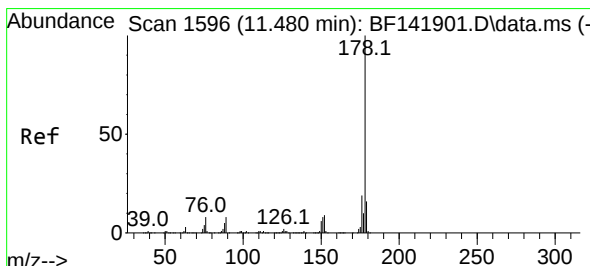
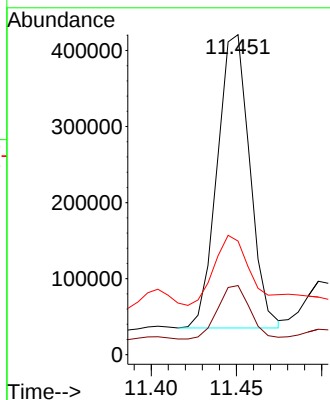
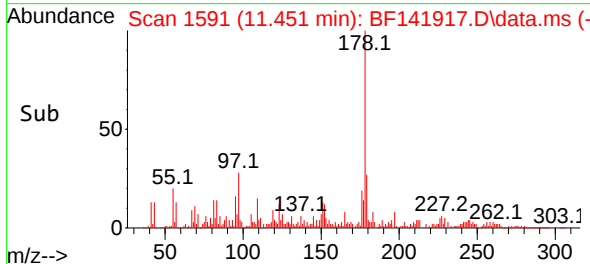
Instrument :
BNA_F
ClientSampleId :
RBR251372



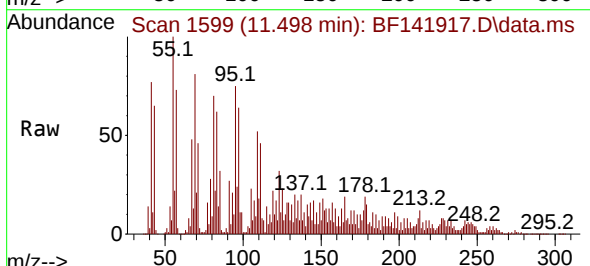
Tgt Ion:178 Resp: 51299
Ion Ratio Lower Upper
178 100
176 21.6 15.8 23.8
179 35.5 12.6 19.0

Manual Integrations
APPROVED

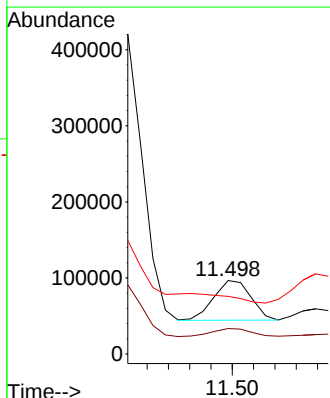
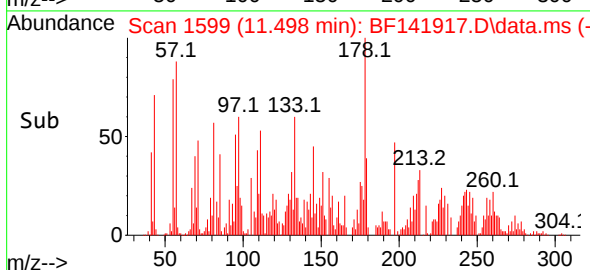
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

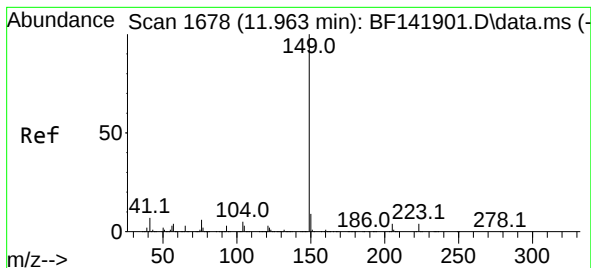


#72
Anthracene
Concen: 3.203 ng
RT: 11.498 min Scan# 1599
Delta R.T. 0.018 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26



Tgt Ion:178 Resp: 63639
Ion Ratio Lower Upper
178 100
176 34.7 15.1 22.7#
179 78.4 12.6 19.0#





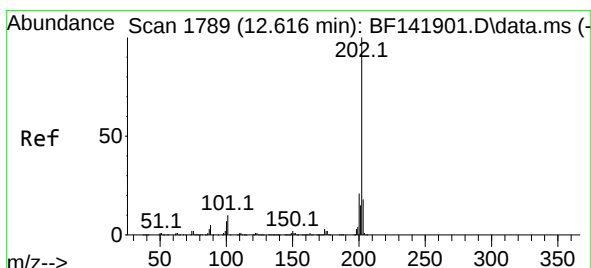
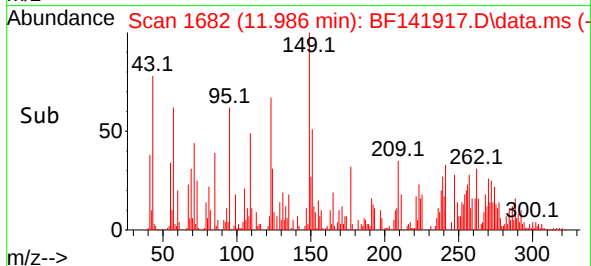
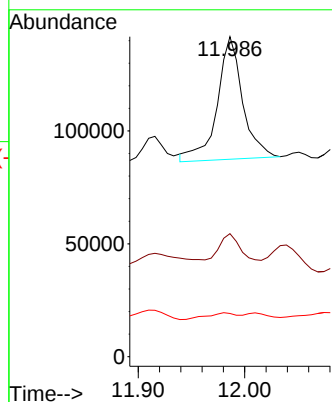
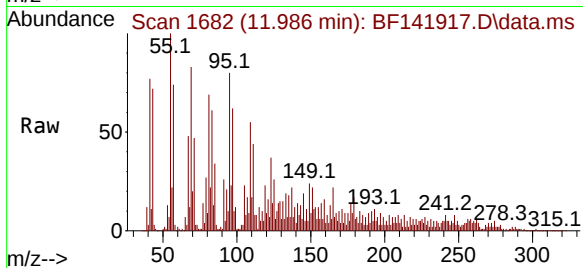
#74
Di-n-butylphthalate
Concen: 3.956 ng
RT: 11.986 min Scan# 1795
Delta R.T. 0.024 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

Instrument :
BNA_F
ClientSampleId :
RBR251372

Tgt Ion:149 Resp: 8995
Ion Ratio Lower Upper
149 100
150 38.4 7.6 11.4
104 13.5 4.4 6.6

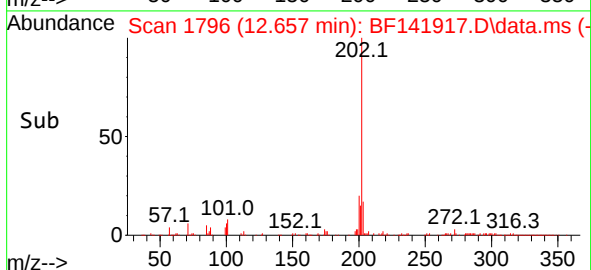
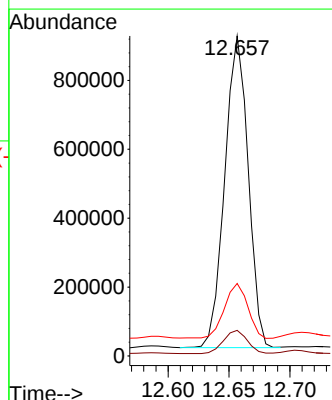
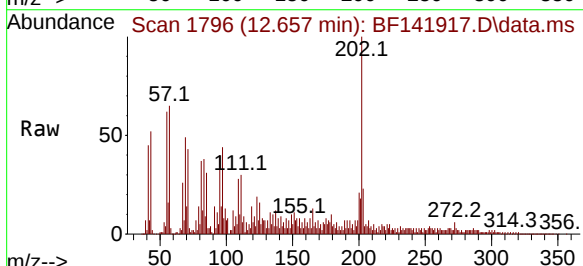
Manual Integrations
APPROVED

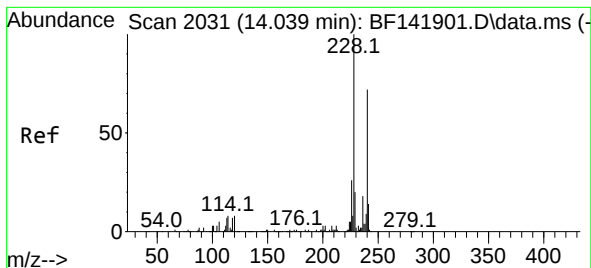
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#75
Fluoranthene
Concen: 57.614 ng
RT: 12.657 min Scan# 1796
Delta R.T. 0.041 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

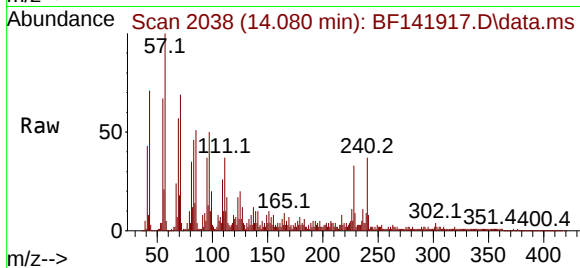
Tgt Ion:202 Resp: 1210359
Ion Ratio Lower Upper
202 100
101 8.0 0.0 29.7
203 22.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2031
Delta R.T. 0.041 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

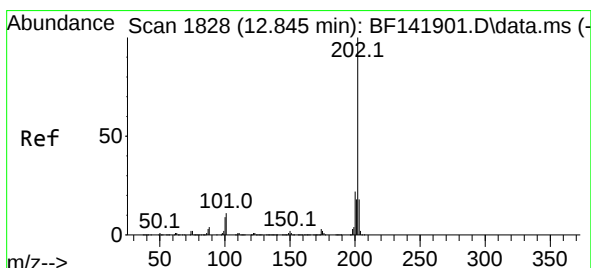
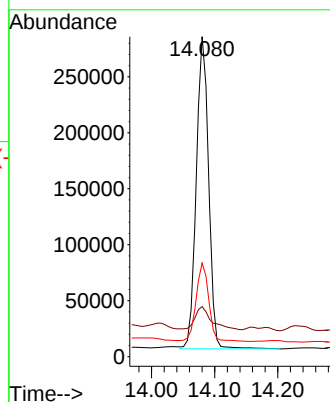
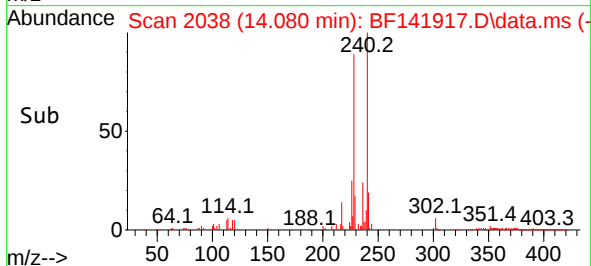
Instrument :
BNA_F
ClientSampleId :
RBR251372



Tgt Ion:240 Resp: 37861
Ion Ratio Lower Upper
240 100
120 15.7 8.4 12.6
236 29.3 20.5 30.7

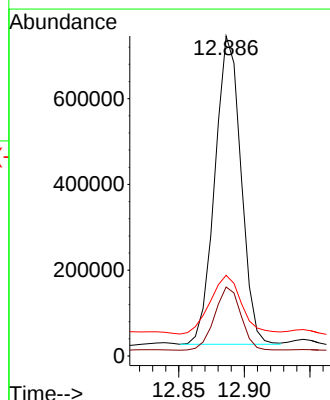
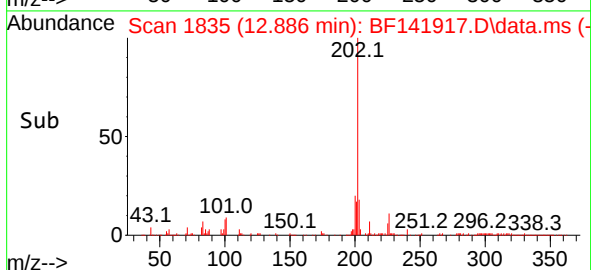
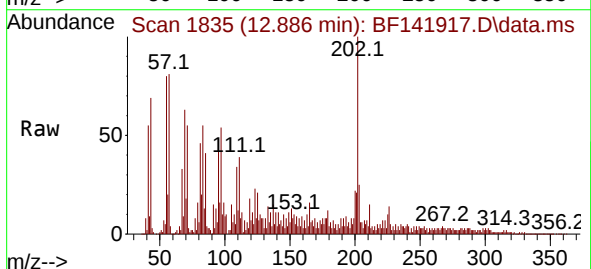
Manual Integrations
APPROVED

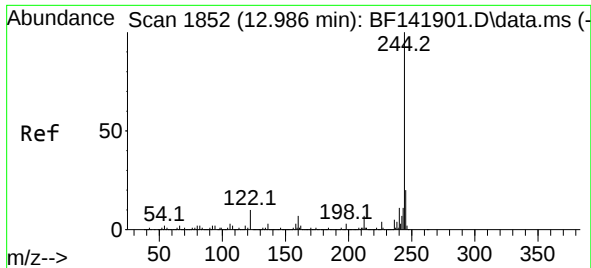
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#78
Pyrene
Concen: 30.317 ng
RT: 12.886 min Scan# 1835
Delta R.T. 0.041 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

Tgt Ion:202 Resp: 992897
Ion Ratio Lower Upper
202 100
200 21.5 17.3 25.9
203 25.2 14.4 21.6#





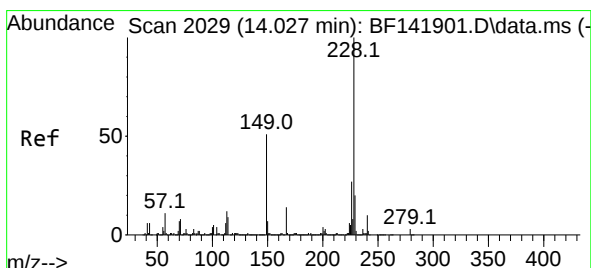
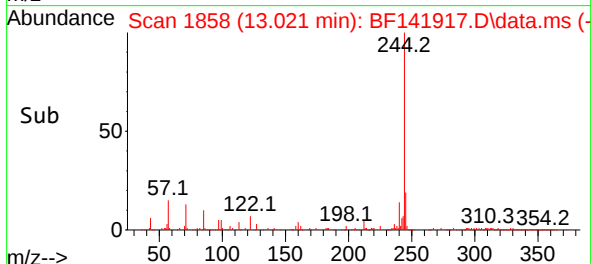
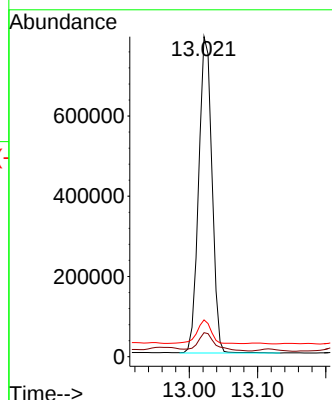
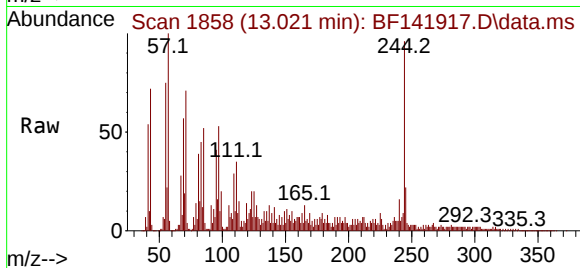
#79
 Terphenyl-d14
 Concen: 41.711 ng
 RT: 13.021 min Scan# 1858
 Delta R.T. 0.035 min
 Lab File: BF141917.D
 Acq: 11 Mar 2025 15:26

Instrument :
 BNA_F
 ClientSampleId :
 RBR251372

Tgt Ion:244 Resp: 106816
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 11.5 7.7 11.5

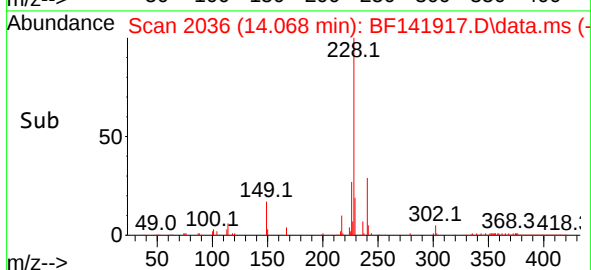
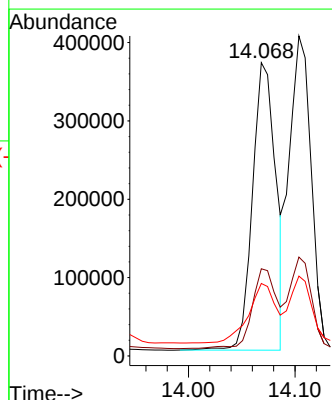
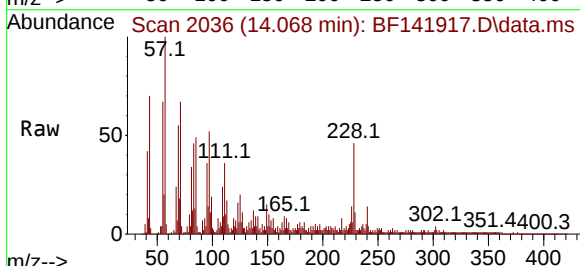
Manual Integrations
 APPROVED

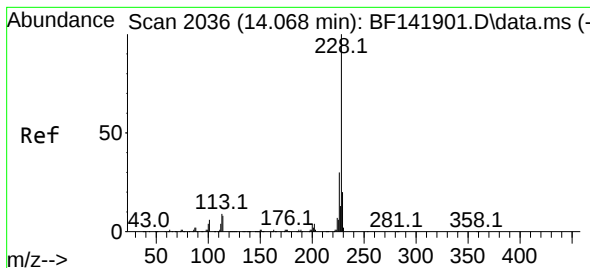
Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025



#81
 Benzo(a)anthracene
 Concen: 22.402 ng
 RT: 14.068 min Scan# 2036
 Delta R.T. 0.041 min
 Lab File: BF141917.D
 Acq: 11 Mar 2025 15:26

Tgt Ion:228 Resp: 556577
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.8
 229 24.7 16.0 24.0#





#83

Chrysene

Concen: 25.265 ng

RT: 14.104 min Scan# 2042

Delta R.T. 0.035 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

Instrument :

BNA_F

ClientSampleId :

RBR251372

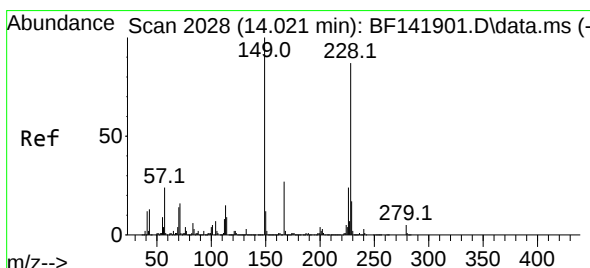
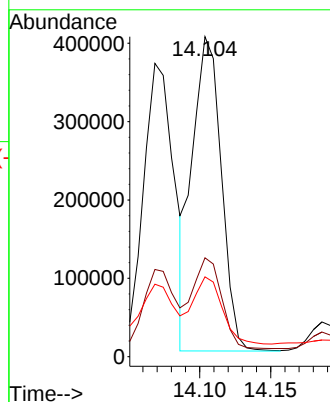
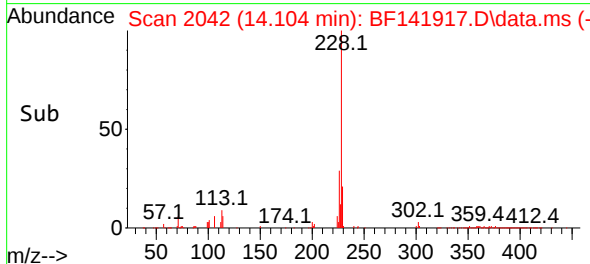
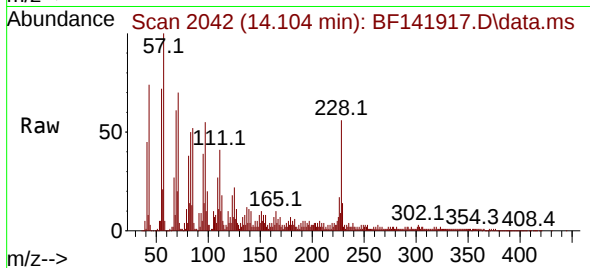
Tgt Ion:228 Resp: 56898
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.1 36.1
 229 25.0 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.078 ng

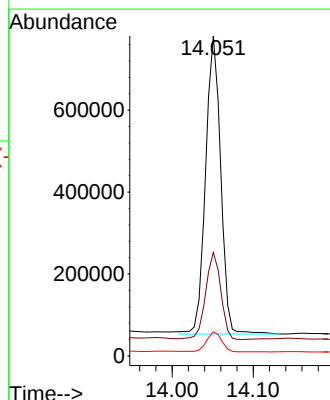
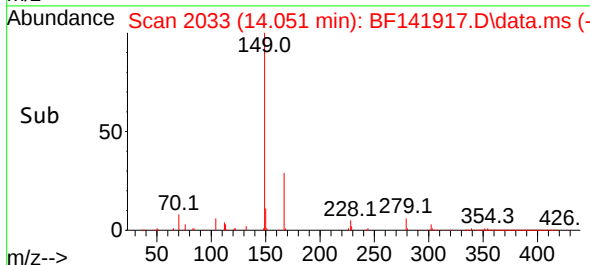
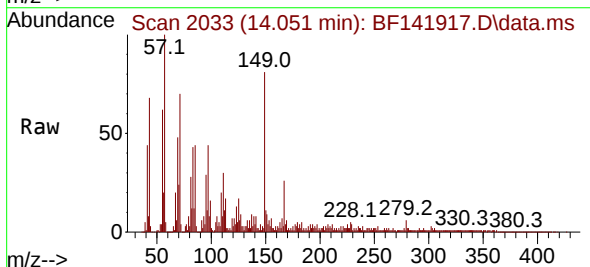
RT: 14.051 min Scan# 2033

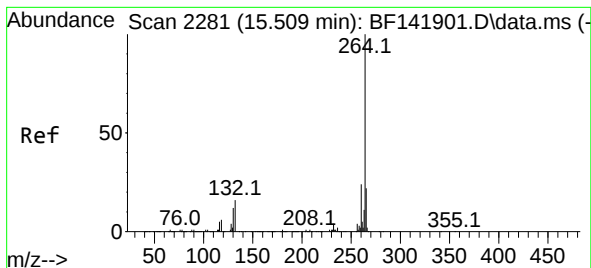
Delta R.T. 0.029 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

Tgt Ion:149 Resp: 938108
 Ion Ratio Lower Upper
 149 100
 167 32.3 21.4 32.0#
 279 7.5 3.8 5.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

Instrument :

BNA_F

ClientSampleId :

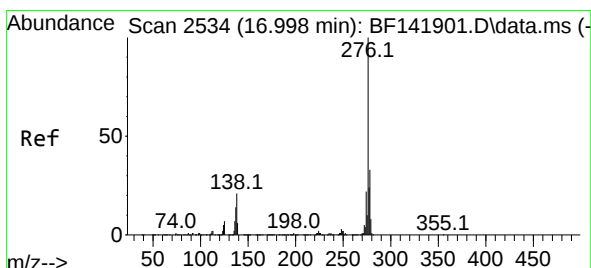
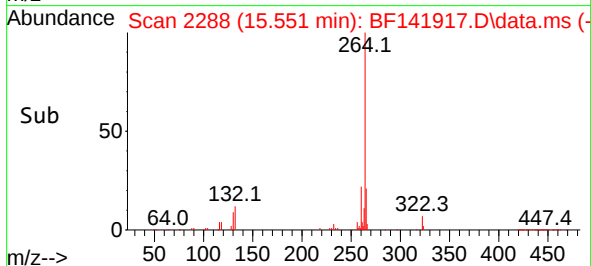
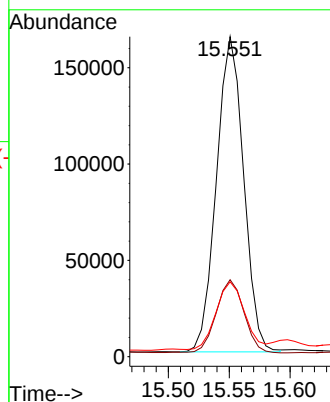
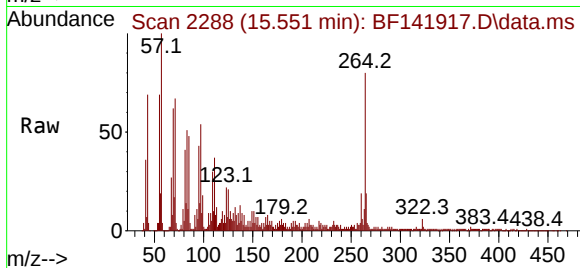
RBR251372

Tgt Ion:	264	Resp:	25444
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.1	28.7
265	23.4	17.5	26.3

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.369 ng m

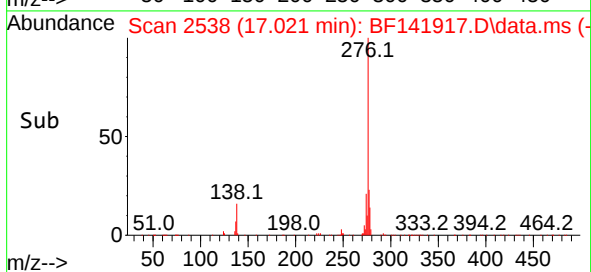
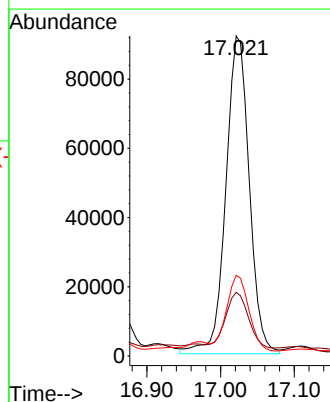
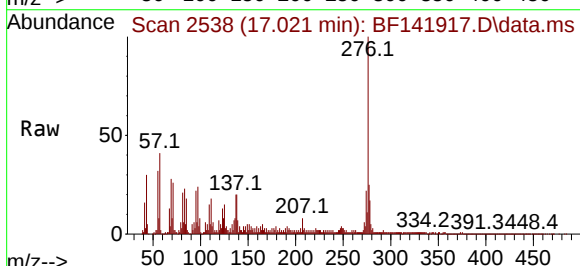
RT: 17.021 min Scan# 2538

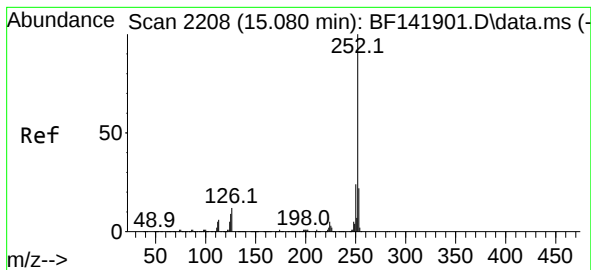
Delta R.T. 0.024 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

Tgt Ion:	276	Resp:	203597
Ion Ratio	Lower	Upper	
276	100		
138	3.5	18.4	27.6#
277	4.3	20.3	30.5#





#88

Benzo(b)fluoranthene

Concen: 39.051 ng m

RT: 15.121 min Scan# 2215

Delta R.T. 0.041 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

Instrument :

BNF

ClientSampleId :

RBR251372

Tgt Ion:252 Resp: 680990

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

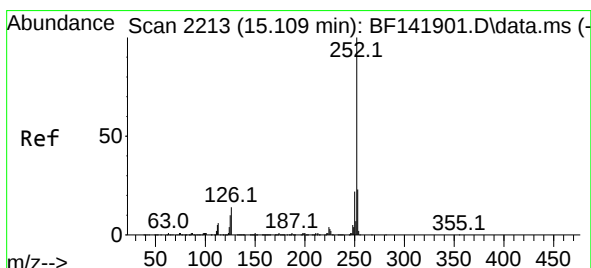
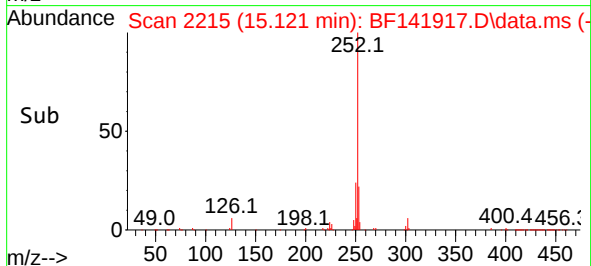
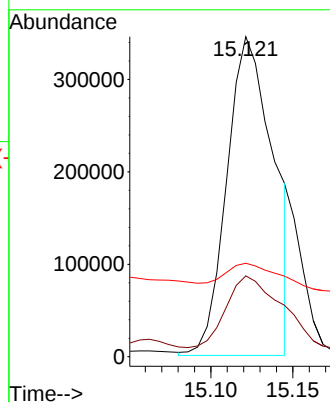
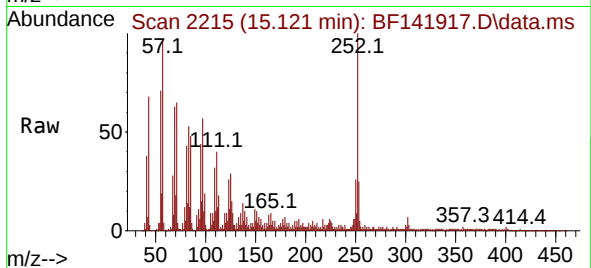
125 29.2 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#89

Benzo(k)fluoranthene

Concen: 11.738 ng m

RT: 15.139 min Scan# 2218

Delta R.T. 0.029 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

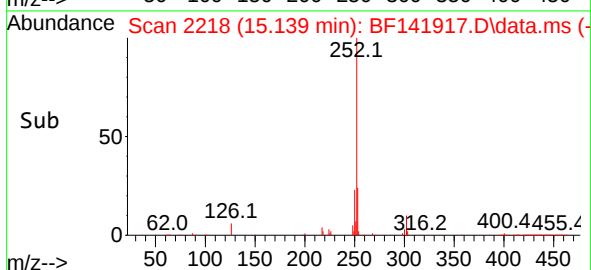
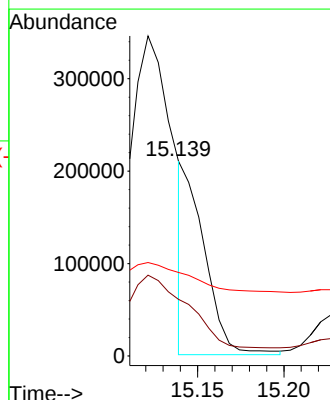
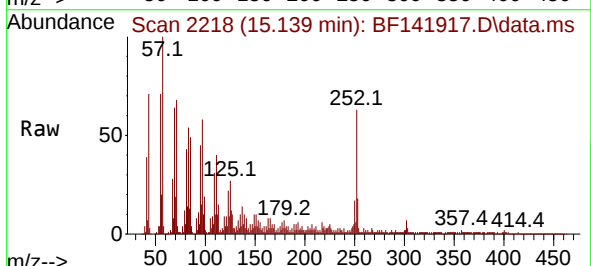
Tgt Ion:252 Resp: 175172

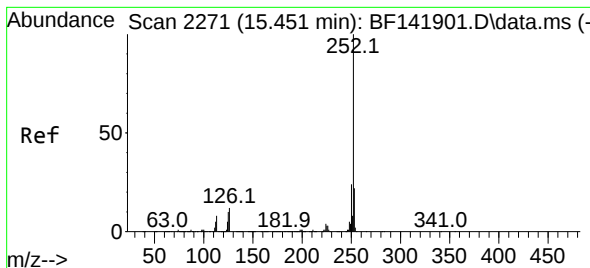
Ion Ratio Lower Upper

252 100

253 29.1 17.7 26.5#

125 42.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 22.482 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

Instrument :

BNA_F

ClientSampleId :

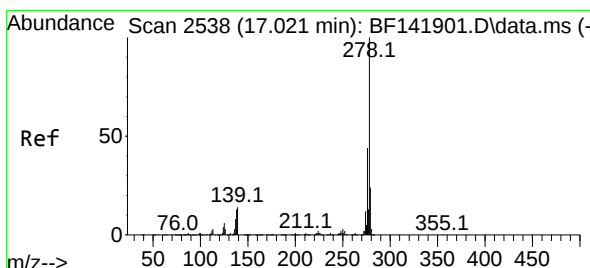
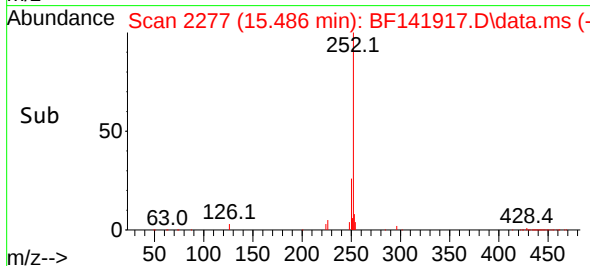
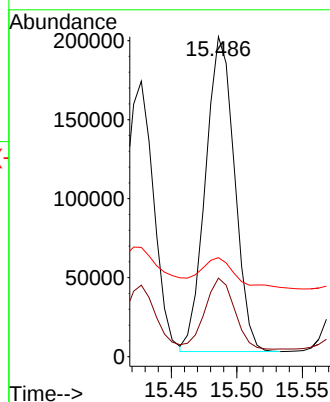
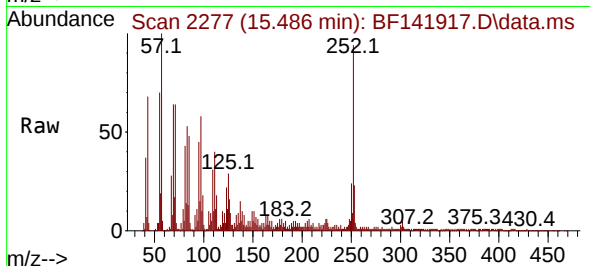
RBR251372

Tgt Ion:	252	Resp:	30676
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.4	26.0
125	31.0	7.8	11.8

Manual Integrations

APPROVED

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



#91

Dibenzo(a,h)anthracene

Concen: 3.538 ng

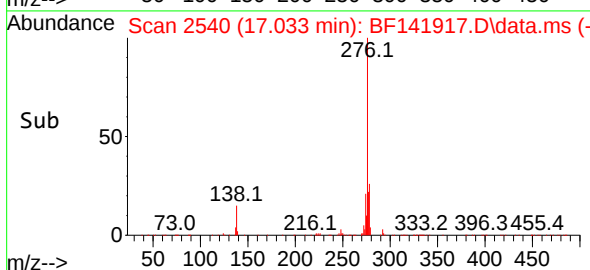
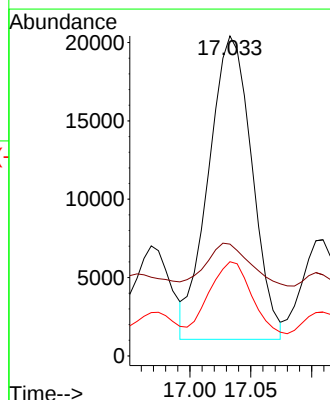
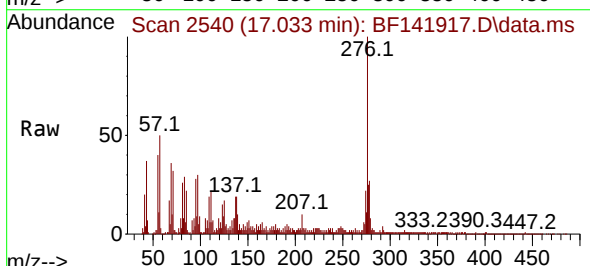
RT: 17.033 min Scan# 2540

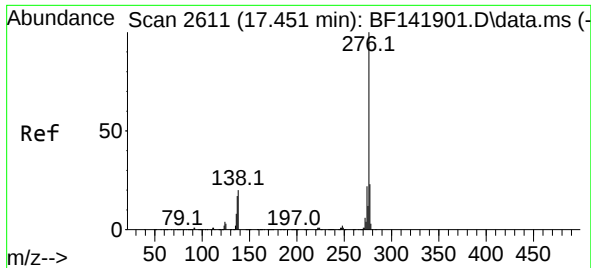
Delta R.T. 0.012 min

Lab File: BF141917.D

Acq: 11 Mar 2025 15:26

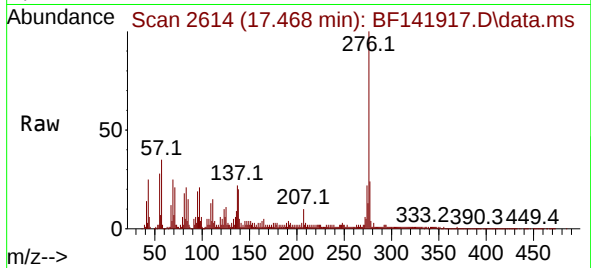
Tgt Ion:	278	Resp:	48042
Ion Ratio	Lower	Upper	
278	100		
139	34.9	11.4	17.2#
279	29.5	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 13.366 ng
RT: 17.468 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF141917.D
Acq: 11 Mar 2025 15:26

Instrument :
BNA_F
ClientSampleId :
RBR251372



Tgt Ion: 276 Resp: 179369
Ion Ratio Lower Upper
276 100
277 24.4 18.7 28.1
138 20.0 15.8 23.8

Manual Integrations
APPROVED

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

