

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141890.D
 Acq On : 07 Mar 2025 12:58
 Operator : RC/JU
 Sample : Q1484-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-OTR-COMP-01DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 13:15:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	142040	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	543256	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	291670	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	472860	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	360400	20.000	ng	-0.01
86) Perylene-d12	15.509	264	412090	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	399553	44.923	ng	0.00
7) Phenol-d6	6.498	99	504063	43.541	ng	-0.01
23) Nitrobenzene-d5	7.439	82	318154	37.434	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	125610	45.872	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	598442	32.899	ng	-0.01
79) Terphenyl-d14	12.980	244	557785	25.040	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	47649	2.874	ng	97
58) Fluorene	10.463	166	72788	4.027	ng	98
71) Phenanthrene	11.427	178	805725	31.855	ng	99
72) Anthracene	11.474	178	250997	9.901	ng	99
73) Carbazole	11.627	167	57237	2.557	ng	99
75) Fluoranthene	12.615	202	988176	38.128	ng	97
78) Pyrene	12.845	202	760963	24.383	ng	99
81) Benzo(a)anthracene	14.027	228	466003	19.576	ng	98
83) Chrysene	14.062	228	378031	17.227	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	175661m	6.694	ng	
88) Benzo(b)fluoranthene	15.080	252	445055m	15.855	ng	
89) Benzo(k)fluoranthene	15.092	252	202533m	8.489	ng	
90) Benzo(a)pyrene	15.445	252	335260	14.892	ng	96
91) Dibenzo(a,h)anthracene	16.998	278	50916	2.377	ng	# 94
92) Benzo(g,h,i)perylene	17.439	276	137440	6.263	ng	97

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

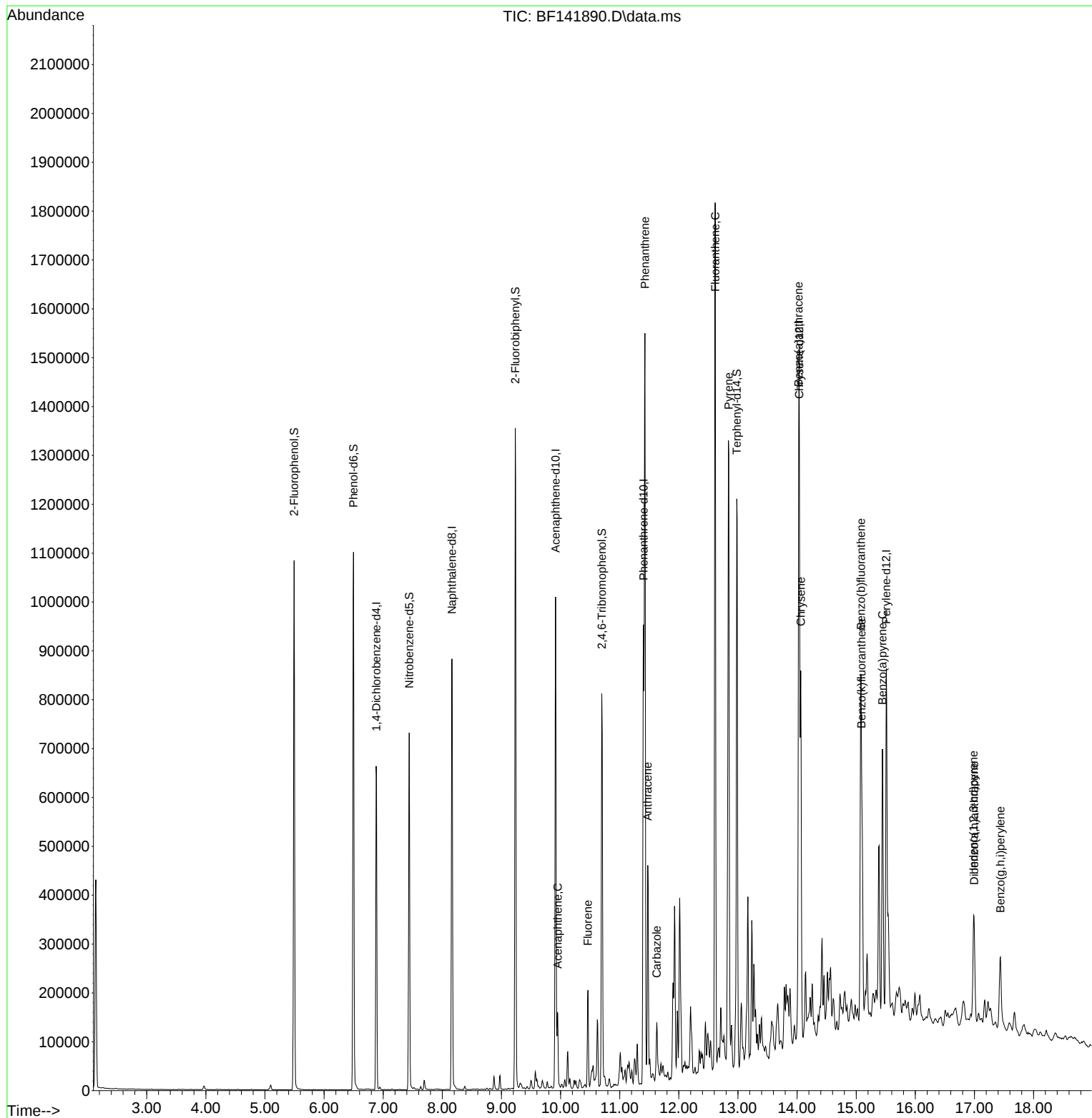
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141890.D
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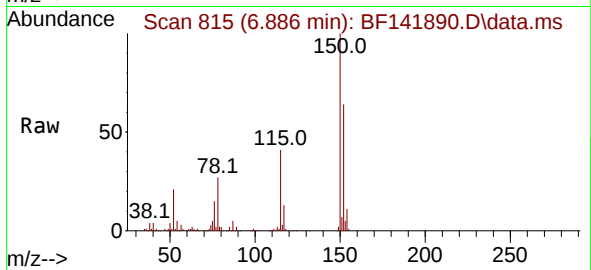
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

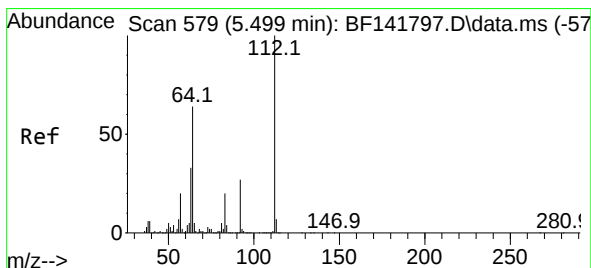
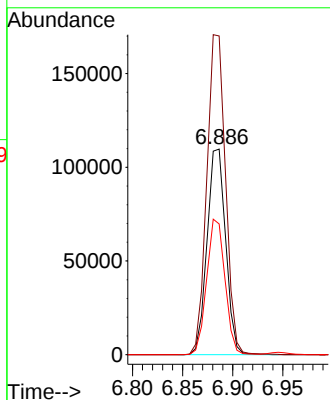
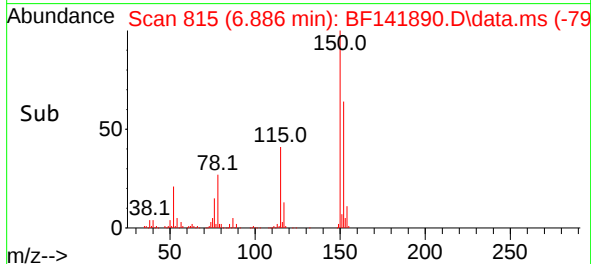
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BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



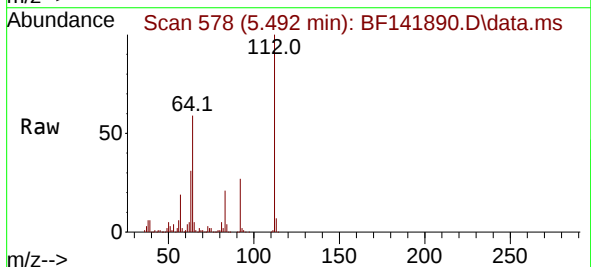
Tgt Ion:152 Resp: 142040
Ion Ratio Lower Upper
152 100
150 155.0 127.5 191.3
115 63.6 51.4 77.2

Manual Integrations
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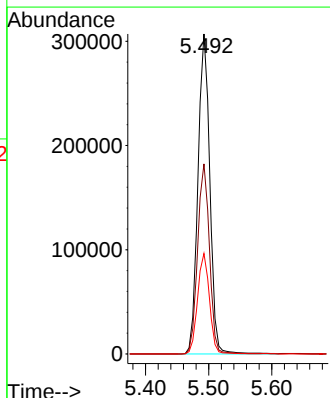
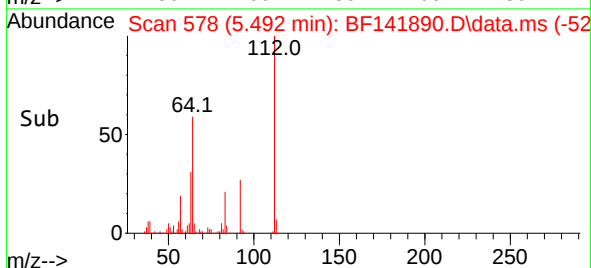
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#5
2-Fluorophenol
Concen: 44.923 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58



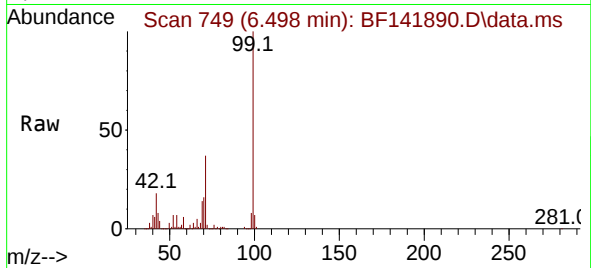
Tgt Ion:112 Resp: 399553
Ion Ratio Lower Upper
112 100
64 59.4 51.3 76.9
63 31.4 26.2 39.4





#7
Phenol-d6
Concen: 43.541 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

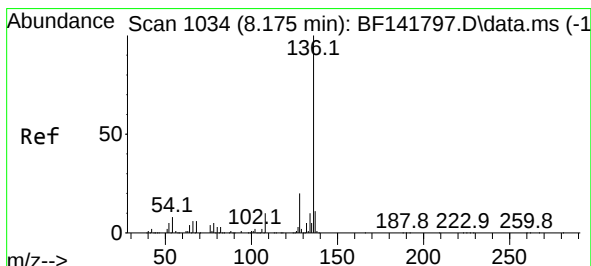
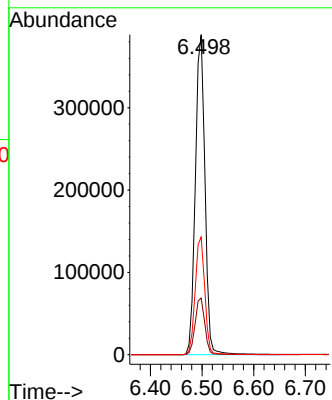
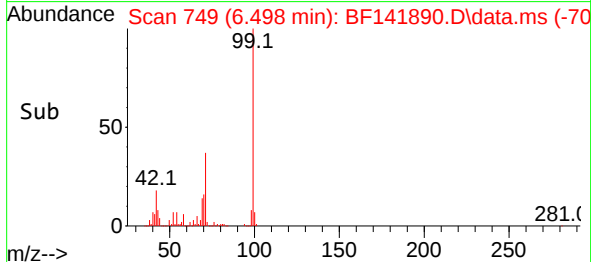
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion: 99 Resp: 504063
Ion Ratio Lower Upper
99 100
42 17.7 15.2 22.8
71 36.7 28.2 42.2

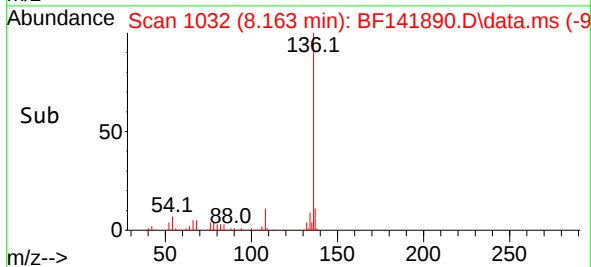
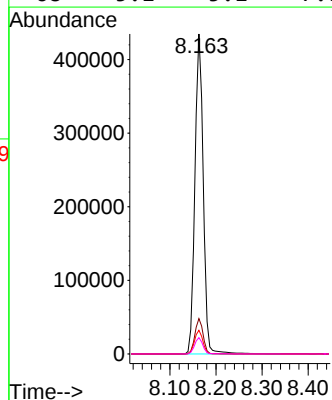
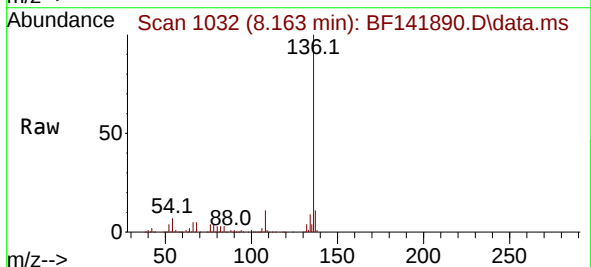
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

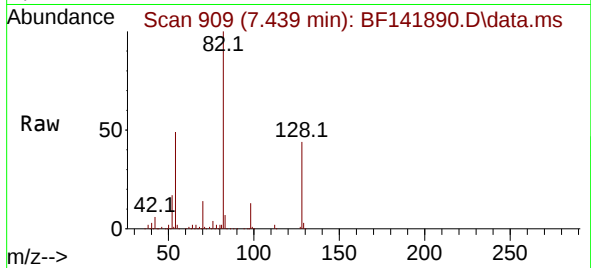
Tgt Ion:136 Resp: 543256
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.4 6.9 10.3
68 5.1 5.1 7.7#





#23
Nitrobenzene-d5
Concen: 37.434 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

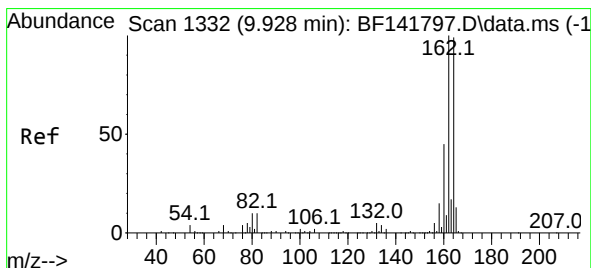
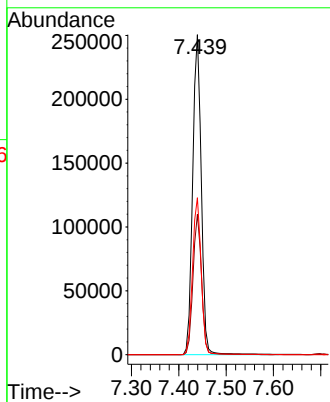
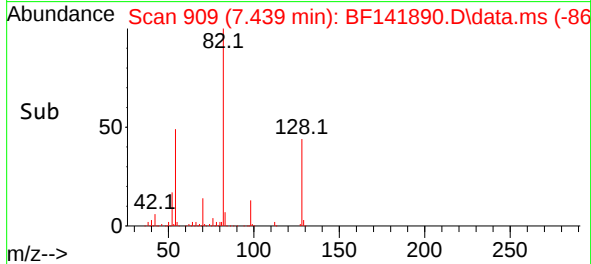
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



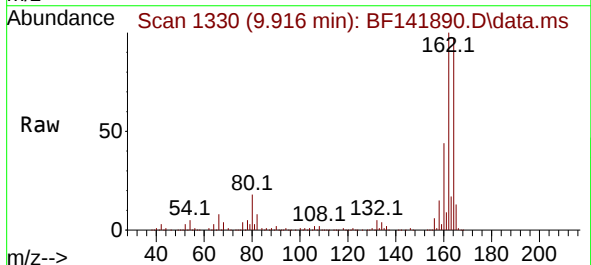
Tgt Ion: 82 Resp: 318154
Ion Ratio Lower Upper
82 100
128 43.9 33.5 50.3
54 49.1 42.7 64.1

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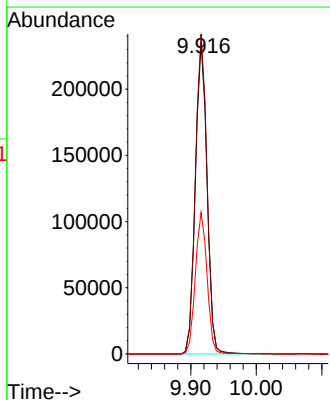
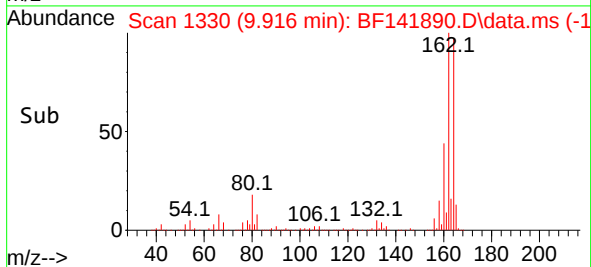
Reviewed By :Anahy Claudio 03/10/2025
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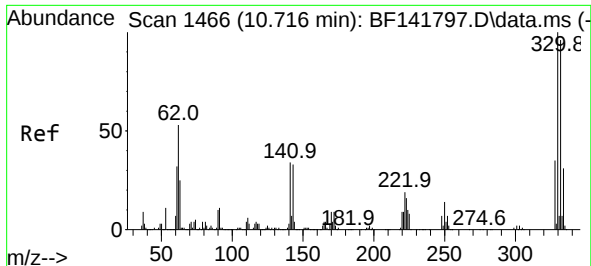


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58



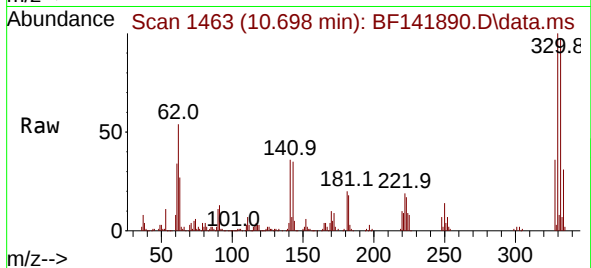
Tgt Ion:164 Resp: 291670
Ion Ratio Lower Upper
164 100
162 102.9 80.6 120.8
160 45.5 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 45.872 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.018 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

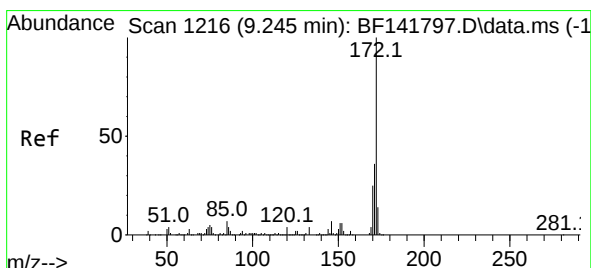
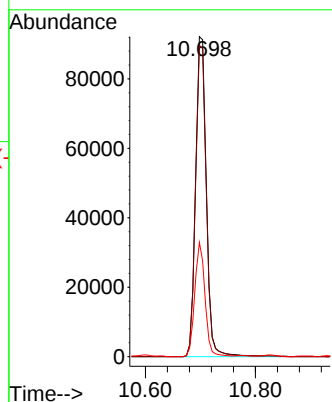
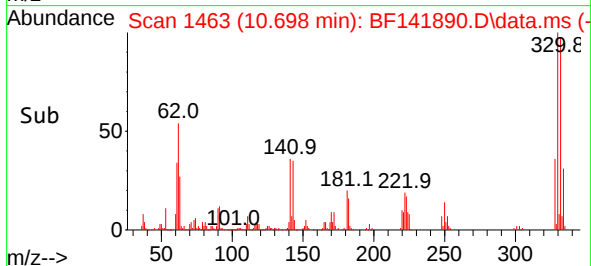
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



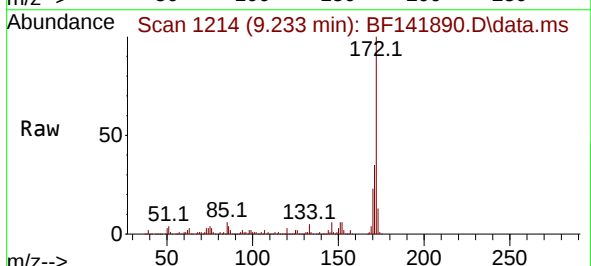
Tgt Ion:330 Resp: 125610
Ion Ratio Lower Upper
330 100
332 96.6 76.6 115.0
141 33.9 29.0 43.4

Manual Integrations
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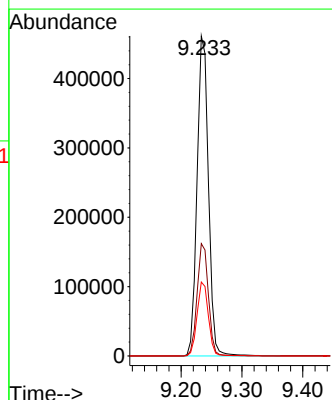
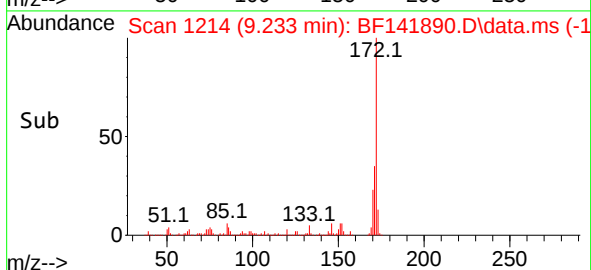
Reviewed By :Anahy Claudio 03/10/2025
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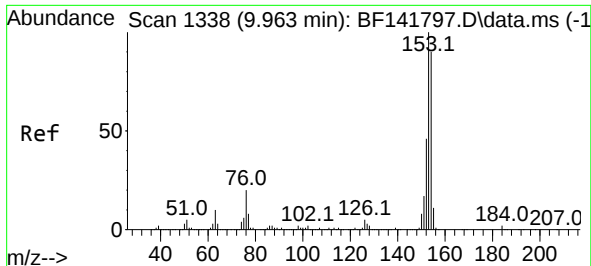


#45
2-Fluorobiphenyl
Concen: 32.899 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58



Tgt Ion:172 Resp: 598442
Ion Ratio Lower Upper
172 100
171 35.1 29.2 43.8
170 23.1 19.7 29.5





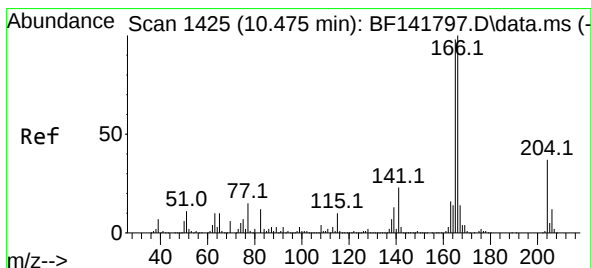
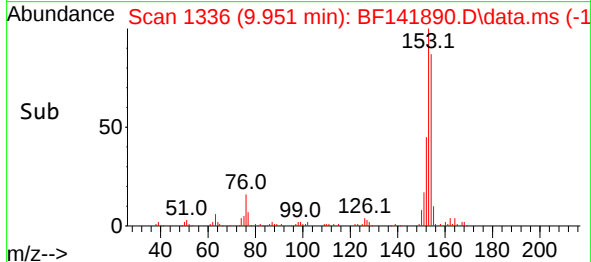
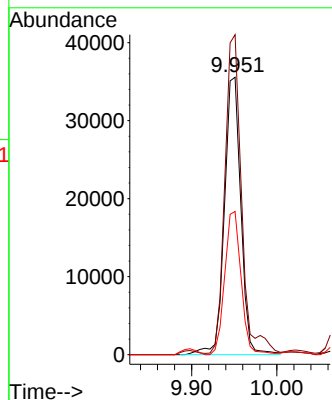
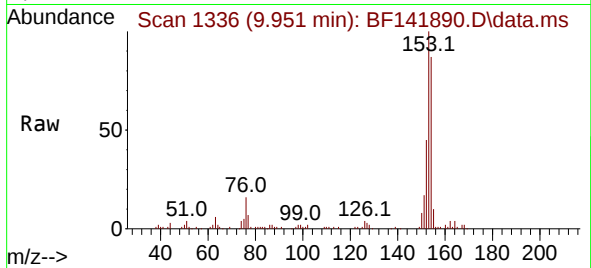
#52
Acenaphthene
Concen: 2.874 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL

Tgt Ion:154 Resp: 47649
Ion Ratio Lower Upper
154 100
153 115.4 88.7 133.1
152 51.6 40.9 61.3

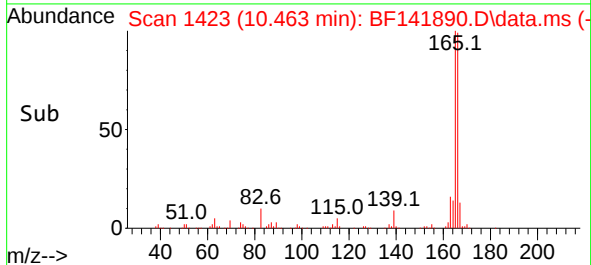
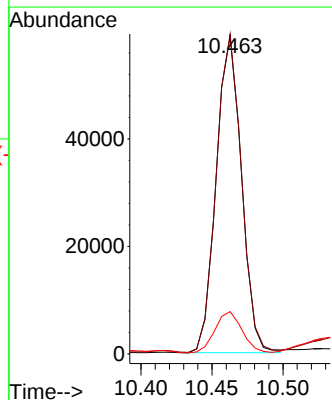
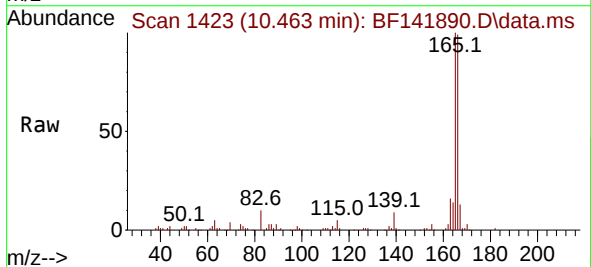
Manual Integrations
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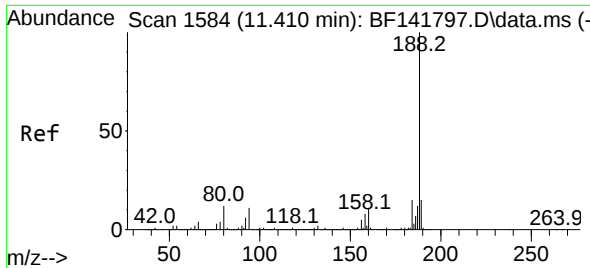
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#58
Fluorene
Concen: 4.027 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

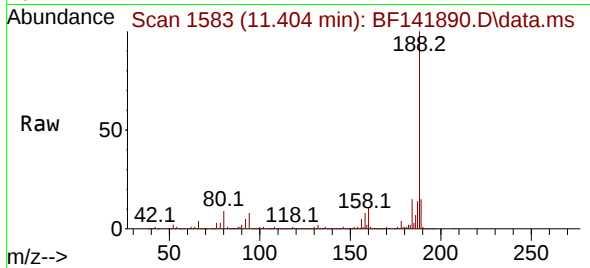
Tgt Ion:166 Resp: 72788
Ion Ratio Lower Upper
166 100
165 100.8 78.6 117.8
167 13.4 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

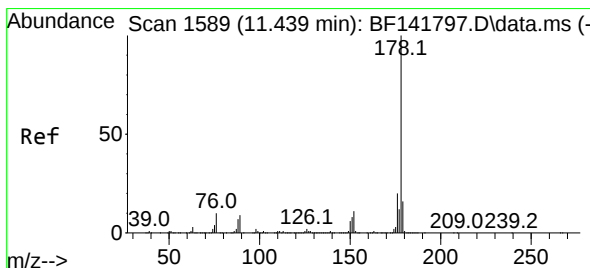
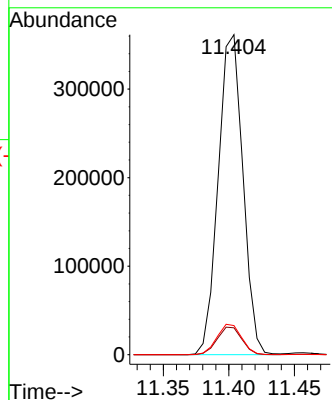
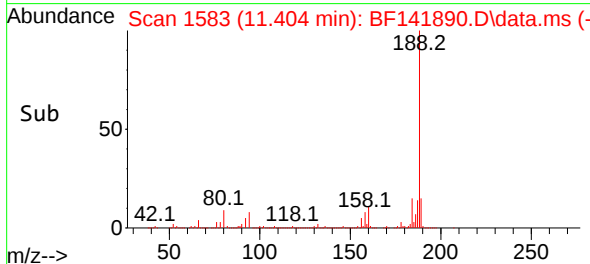
Instrument :
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TR-OTR-COMP-01DL



Tgt Ion:188 Resp: 472860
Ion Ratio Lower Upper
188 100
94 8.4 8.9 13.3
80 9.1 9.7 14.5

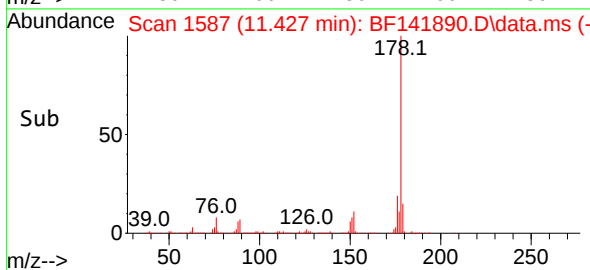
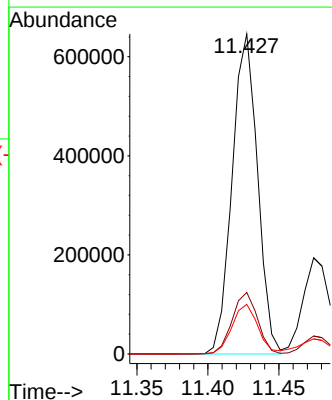
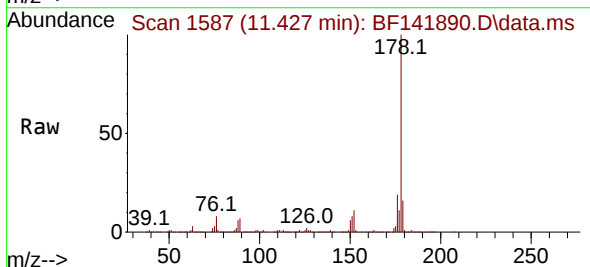
Manual Integrations
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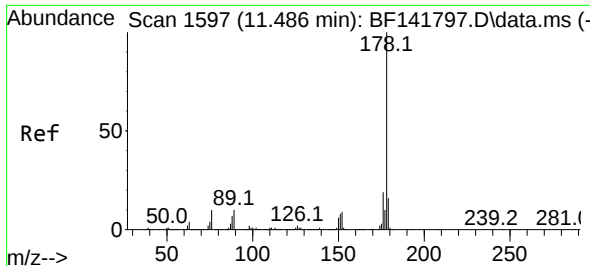
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#71
Phenanthrene
Concen: 31.855 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

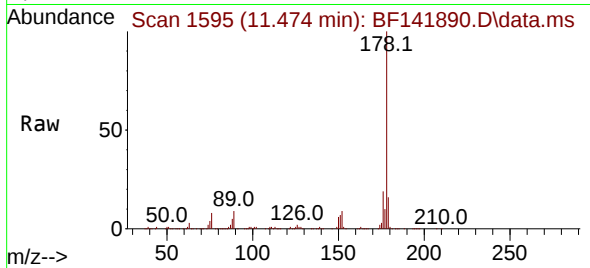
Tgt Ion:178 Resp: 805725
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.5 12.6 19.0





#72
 Anthracene
 Concen: 9.901 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141890.D
 Acq: 07 Mar 2025 12:58

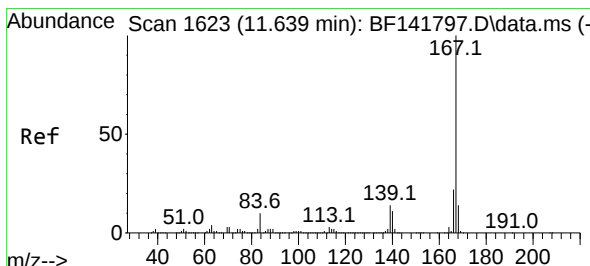
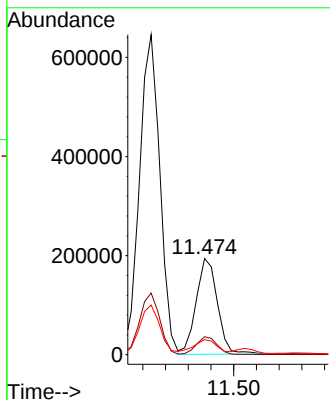
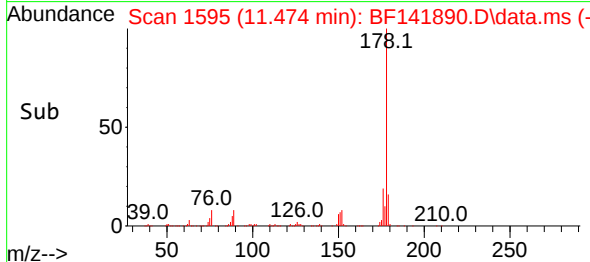
Instrument :
 BNA_F
 ClientSampleId :
 TR-OTR-COMP-01DL



Tgt Ion:178 Resp: 25099
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 15.7 12.8 19.2

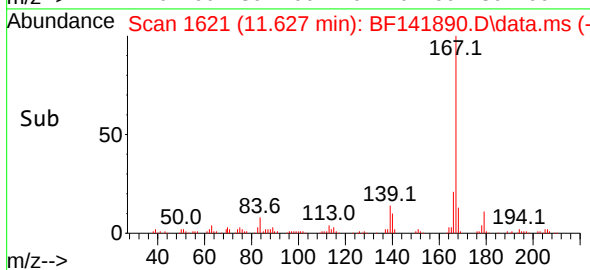
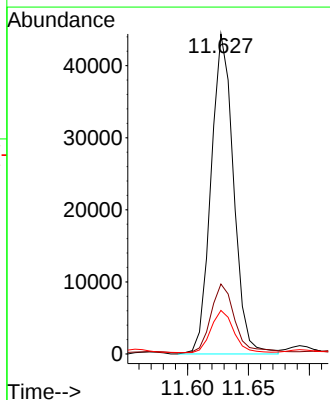
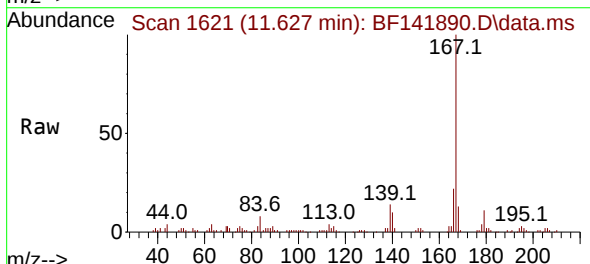
Manual Integrations
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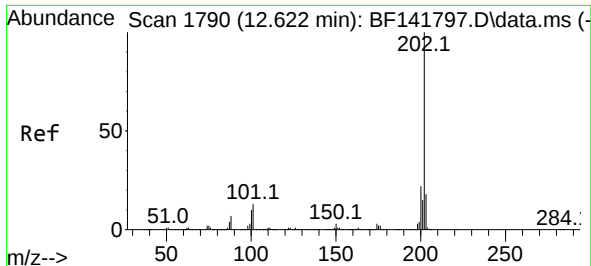
Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025



#73
 Carbazole
 Concen: 2.557 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.012 min
 Lab File: BF141890.D
 Acq: 07 Mar 2025 12:58

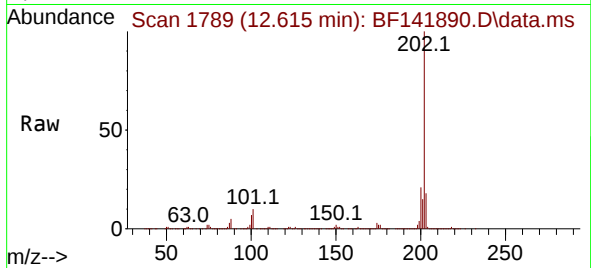
Tgt Ion:167 Resp: 57237
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.5 26.3
 139 13.6 11.3 16.9





#75
Fluoranthene
Concen: 38.128 ng
RT: 12.615 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

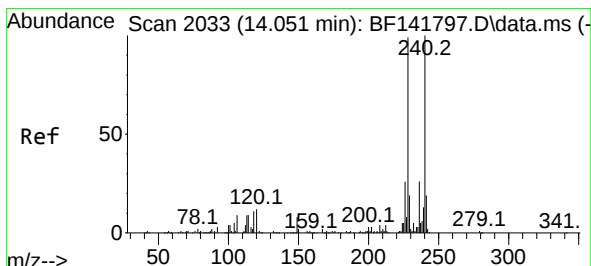
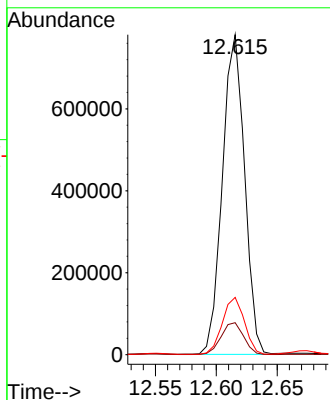
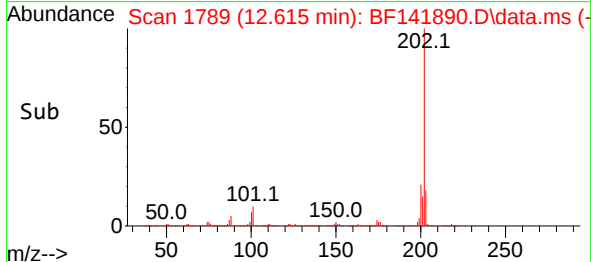
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



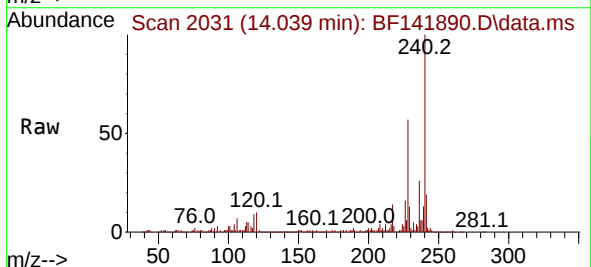
Tgt Ion:202 Resp: 988170
Ion Ratio Lower Upper
202 100
101 10.0 0.0 32.8
203 17.9 0.0 38.0

Manual Integrations
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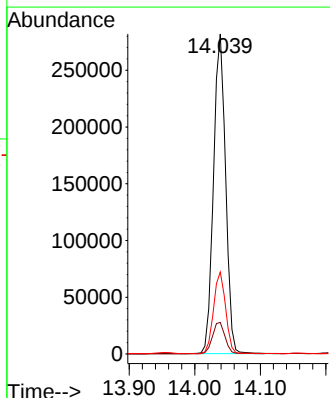
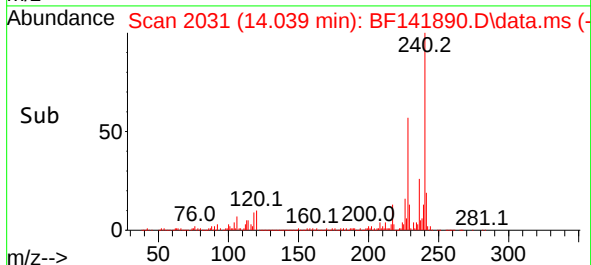
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

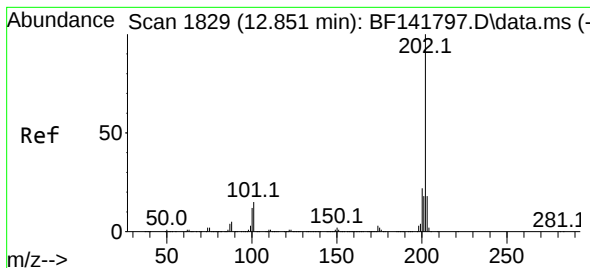


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58



Tgt Ion:240 Resp: 360400
Ion Ratio Lower Upper
240 100
120 9.9 9.7 14.5
236 25.6 21.0 31.4





#78

Pyrene

Concen: 24.383 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF141890.D

Acq: 07 Mar 2025 12:58

Instrument :

BNA_F

ClientSampleId :

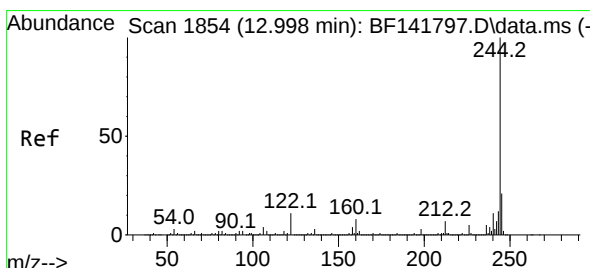
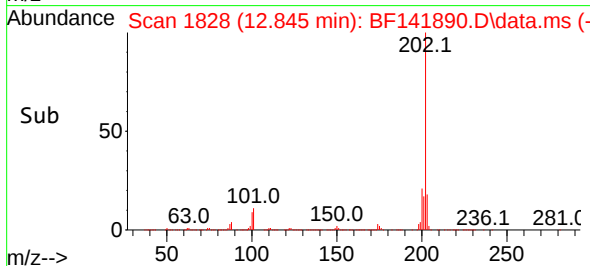
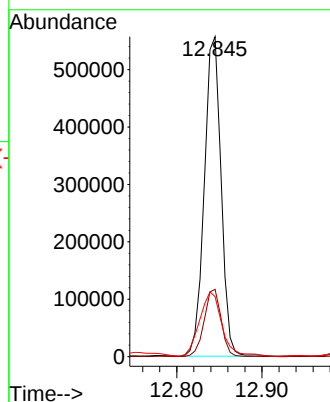
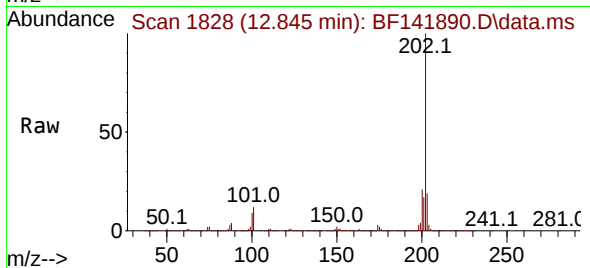
TR-OTR-COMP-01DL

Tgt Ion:	202	Resp:	76096
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.0
203	18.8	14.6	22.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#79

Terphenyl-d14

Concen: 25.040 ng

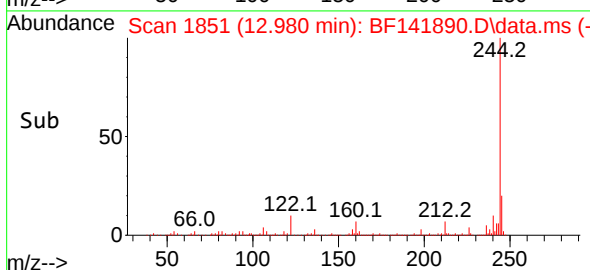
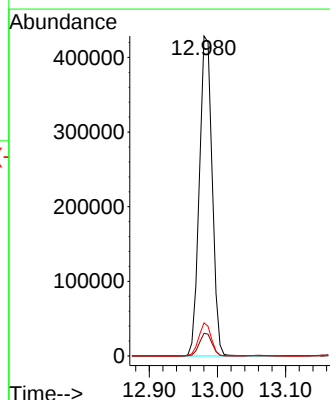
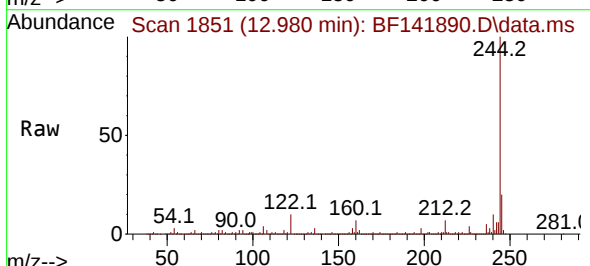
RT: 12.980 min Scan# 1851

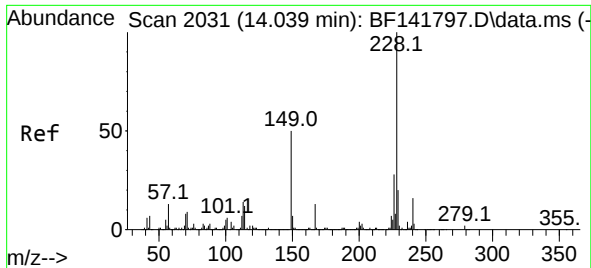
Delta R.T. -0.018 min

Lab File: BF141890.D

Acq: 07 Mar 2025 12:58

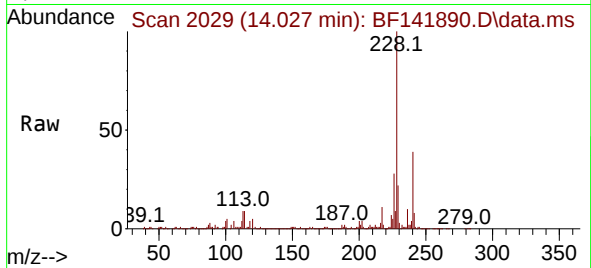
Tgt Ion:	244	Resp:	557785
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	10.4	9.0	13.6





#81
Benzo(a)anthracene
Concen: 19.576 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

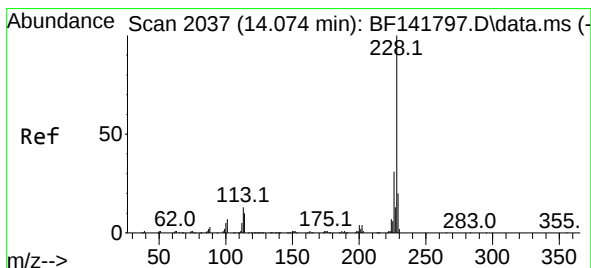
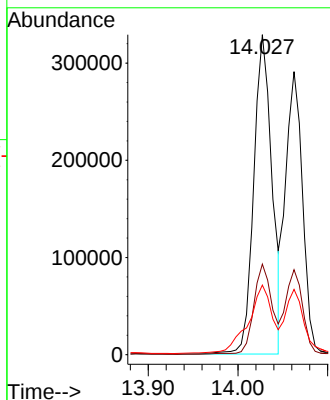
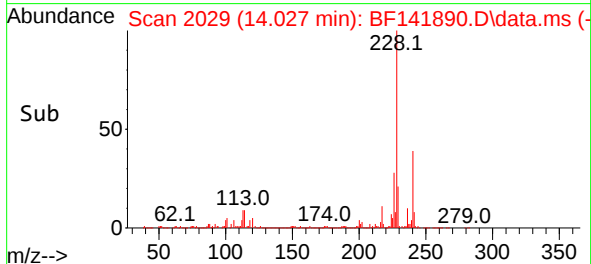
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion:228 Resp: 466000
Ion Ratio Lower Upper
228 100
226 28.3 22.1 33.1
229 21.8 16.1 24.1

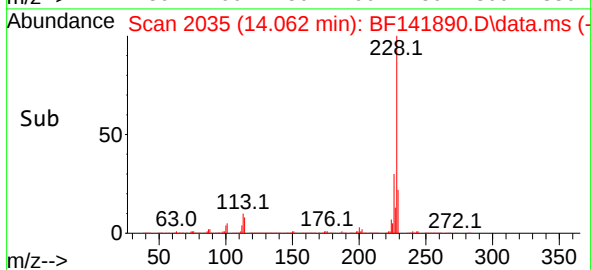
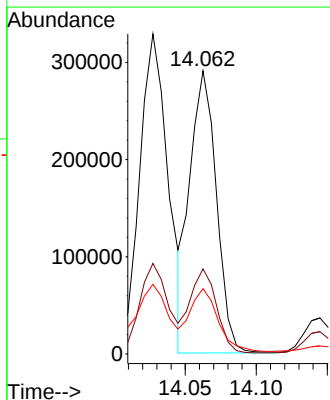
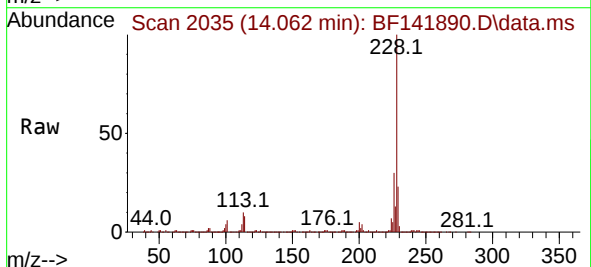
Manual Integrations
APPROVED

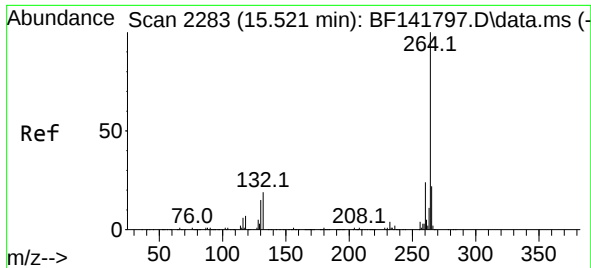
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#83
Chrysene
Concen: 17.227 ng
RT: 14.062 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

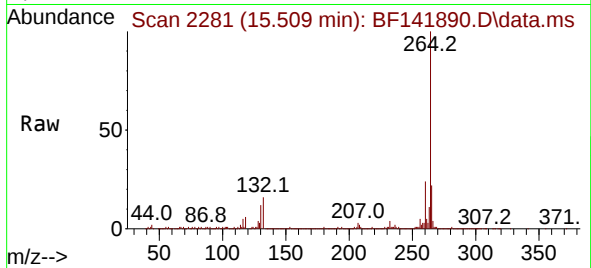
Tgt Ion:228 Resp: 378031
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 23.0 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

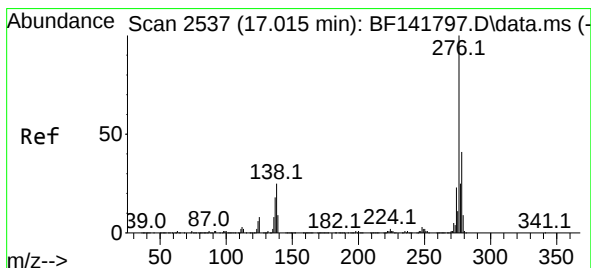
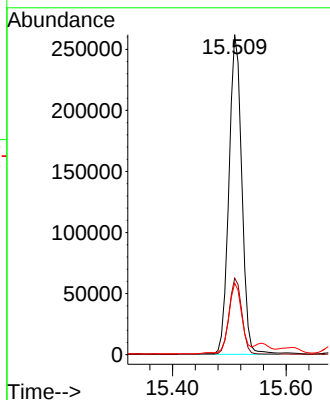
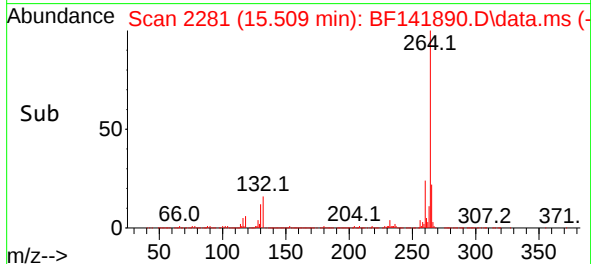
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion:264 Resp: 412090
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 22.4 17.4 26.0

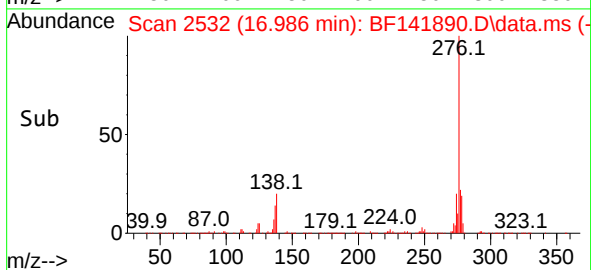
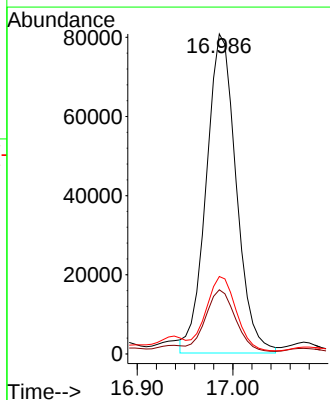
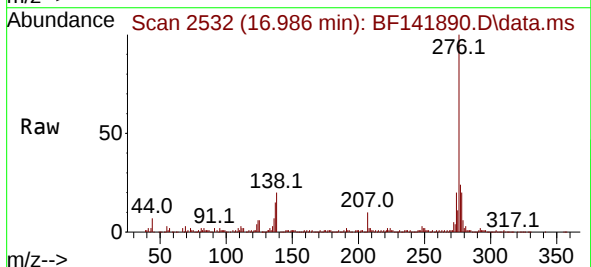
Manual Integrations
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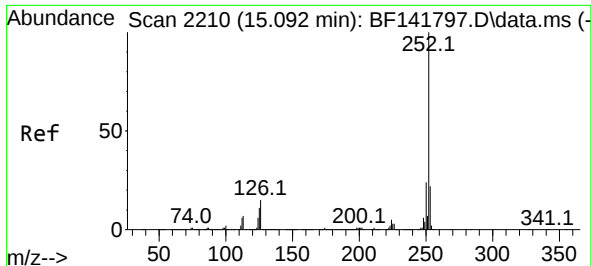
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.694 ng m
RT: 16.986 min Scan# 2532
Delta R.T. -0.030 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

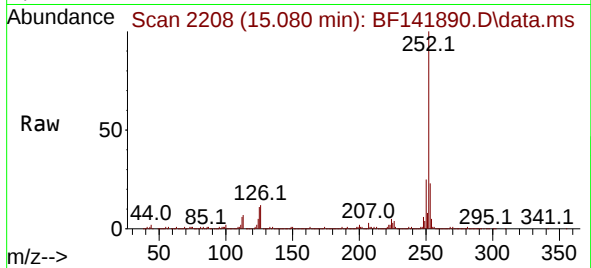
Tgt Ion:276 Resp: 175661
Ion Ratio Lower Upper
276 100
138 4.6 22.5 33.7#
277 4.4 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 15.855 ng m
RT: 15.080 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

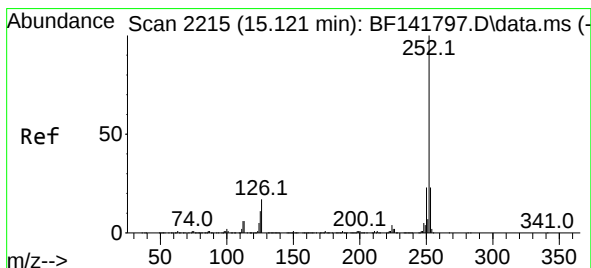
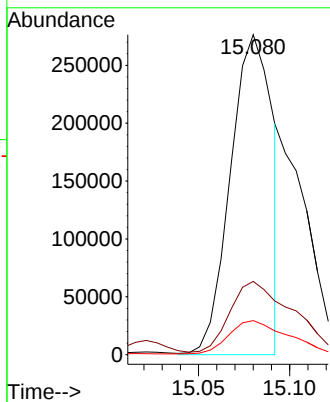
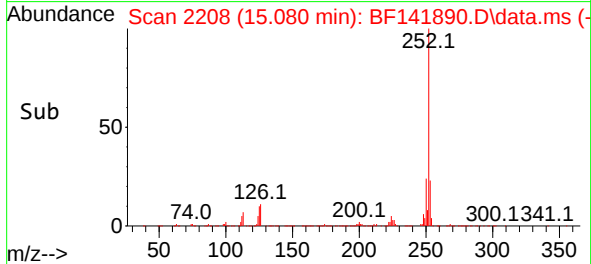
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion:252 Resp: 445058
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 10.7 8.6 13.0

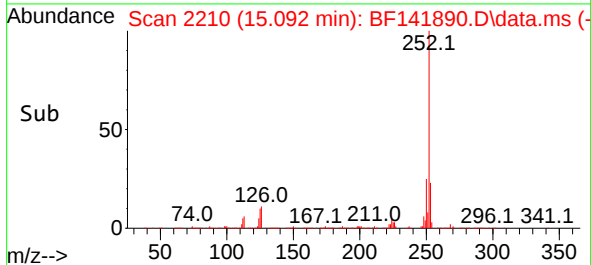
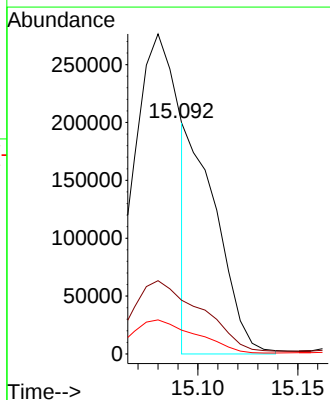
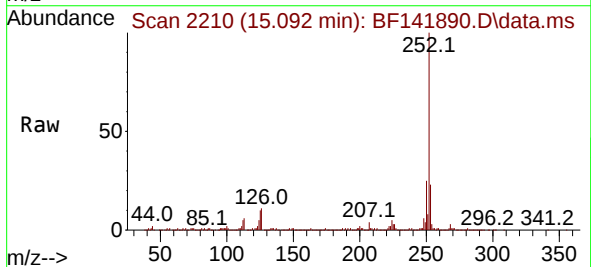
Manual Integrations
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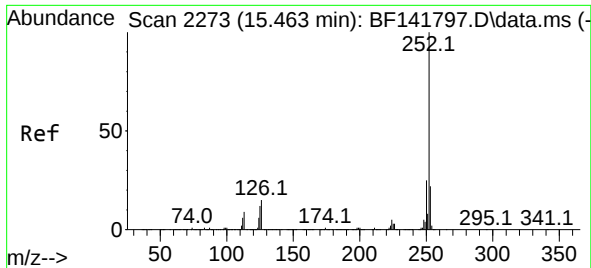
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#89
Benzo(k)fluoranthene
Concen: 8.489 ng m
RT: 15.092 min Scan# 2210
Delta R.T. -0.030 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

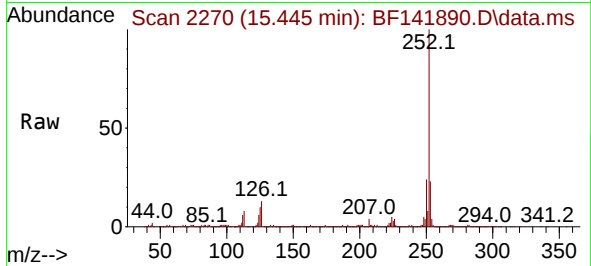
Tgt Ion:252 Resp: 202533
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 10.3 8.8 13.2





#90
Benzo(a)pyrene
Concen: 14.892 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

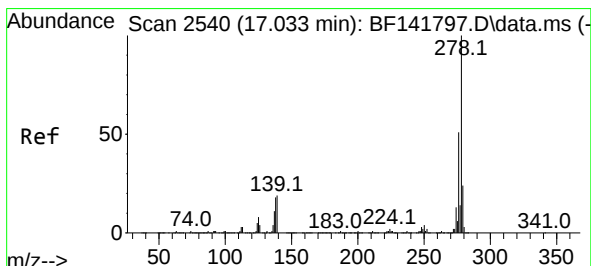
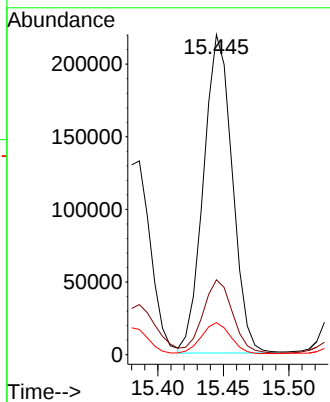
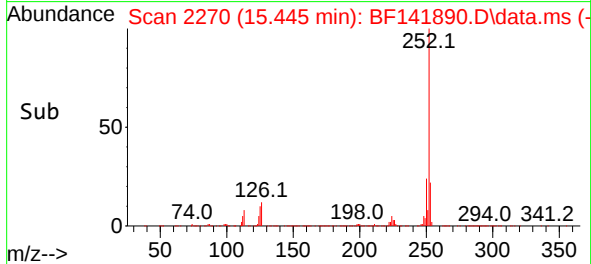
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion:252 Resp: 335260
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.0 9.4 14.2

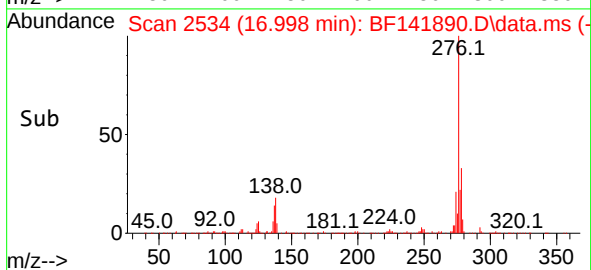
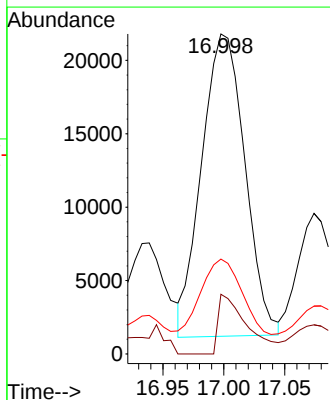
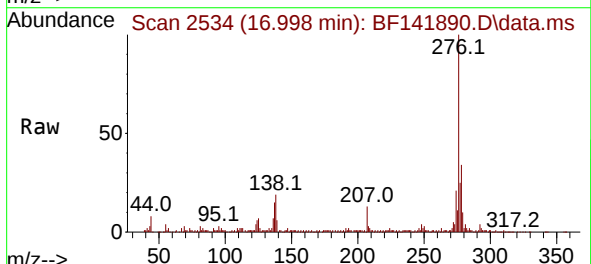
Manual Integrations
APPROVED

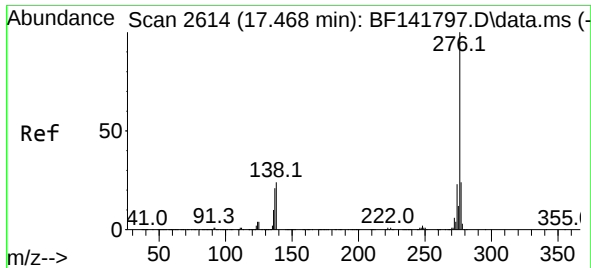
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#91
Dibenzo(a,h)anthracene
Concen: 2.377 ng
RT: 16.998 min Scan# 2534
Delta R.T. -0.036 min
Lab File: BF141890.D
Acq: 07 Mar 2025 12:58

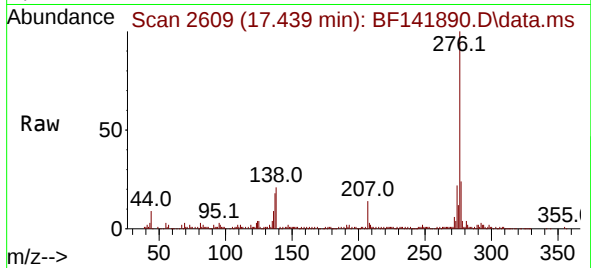
Tgt Ion:278 Resp: 50916
Ion Ratio Lower Upper
278 100
139 18.7 14.9 22.3
279 29.6 19.3 28.9#





#92
 Benzo(g,h,i)perylene
 Concen: 6.263 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF141890.D
 Acq: 07 Mar 2025 12:58

Instrument :
 BNA_F
 ClientSampleId :
 TR-OTR-COMP-01DL



Tgt Ion: 276 Resp: 137440
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.4 29.0
 138 20.9 19.3 28.9

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/10/2025
 Supervised By :Jagrut Upadhyay 03/10/2025

