

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141880.D
 Acq On : 06 Mar 2025 20:57
 Operator : RC/JU
 Sample : Q1484-01DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:23:01 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	120008	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	452019	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	231452	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	366044	20.000	ng	0.00
76) Chrysene-d12	14.039	240	318812	20.000	ng	-0.01
86) Perylene-d12	15.515	264	307954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	440127	58.569	ng	0.00
7) Phenol-d6	6.498	99	550653	56.298	ng	-0.01
23) Nitrobenzene-d5	7.439	82	350415	49.552	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	142010	65.355	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	642713	44.526	ng	0.00
79) Terphenyl-d14	12.986	244	666194	33.808	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	52571	3.996	ng	97
58) Fluorene	10.463	166	78610	5.481	ng	99
71) Phenanthrene	11.427	178	851063	43.467	ng	99
72) Anthracene	11.480	178	265700	13.540	ng	99
73) Carbazole	11.627	167	64067	3.697	ng	98
75) Fluoranthene	12.616	202	1158847	57.761	ng	97
78) Pyrene	12.845	202	906302	32.828	ng	98
81) Benzo(a)anthracene	14.033	228	585181	27.789	ng	99
83) Chrysene	14.068	228	417918	21.529	ng	96
87) Indeno(1,2,3-cd)pyrene	16.998	276	153945m	7.851	ng	
88) Benzo(b)fluoranthene	15.086	252	498479m	23.763	ng	
89) Benzo(k)fluoranthene	15.098	252	207313m	11.627	ng	
90) Benzo(a)pyrene	15.451	252	342868	20.381	ng	97
91) Dibenzo(a,h)anthracene	17.009	278	43334	2.707	ng	# 91
92) Benzo(g,h,i)perylene	17.445	276	120437	7.345	ng	96

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

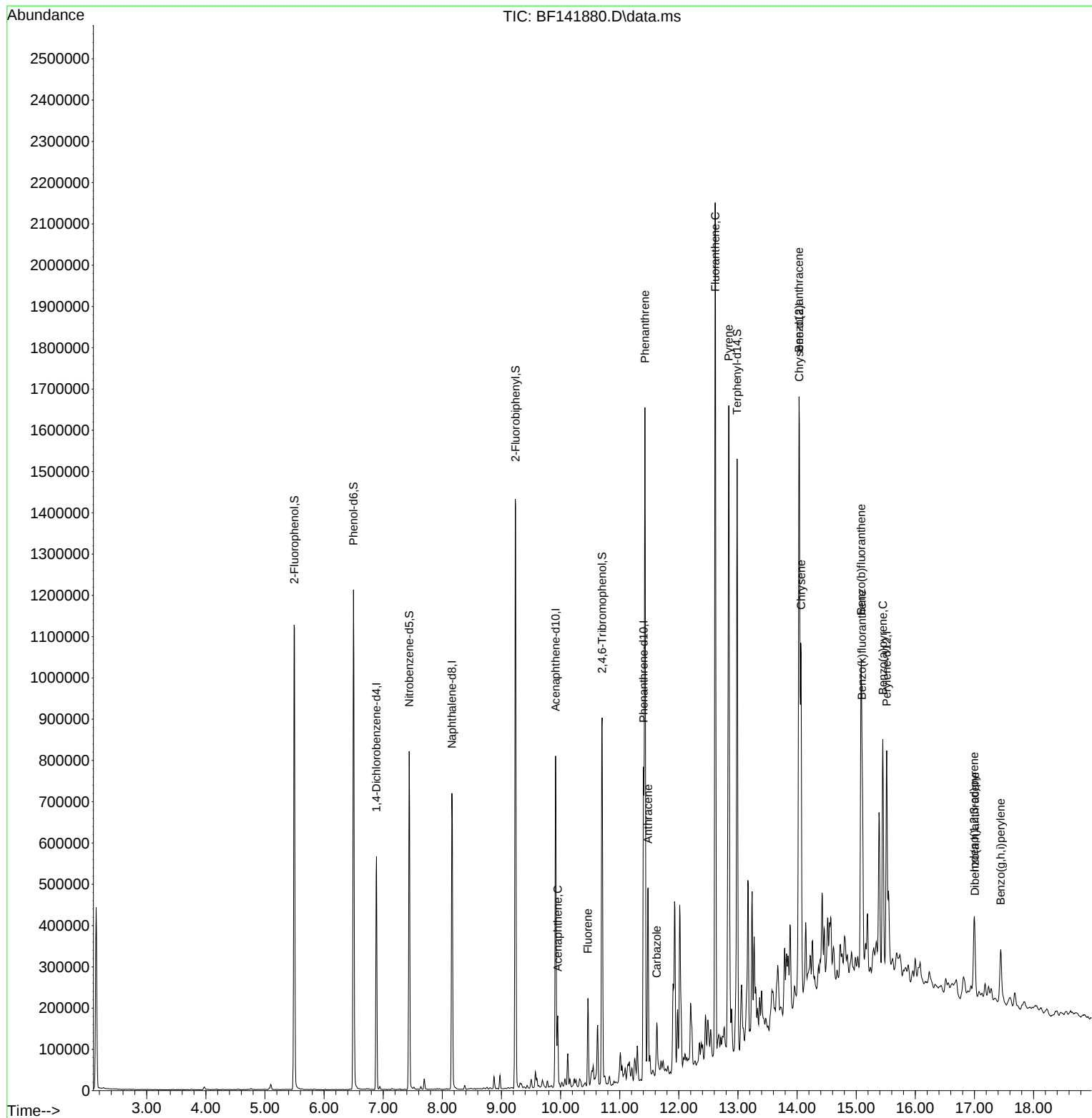
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
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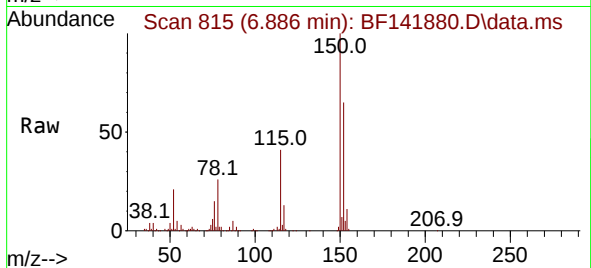
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

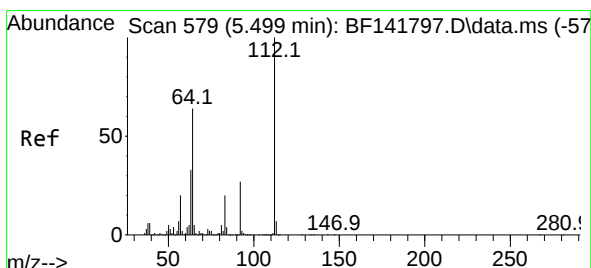
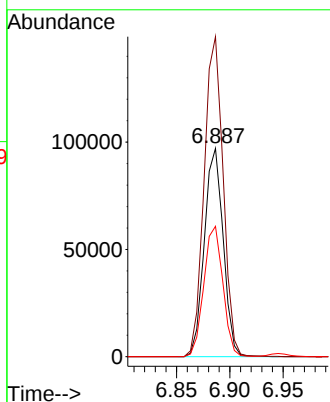
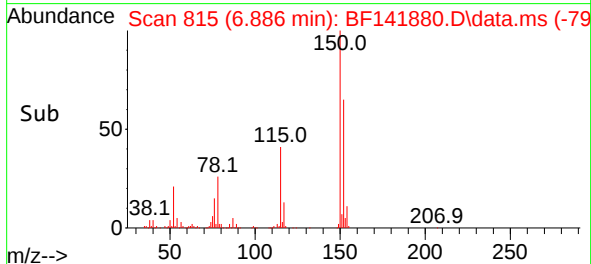
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



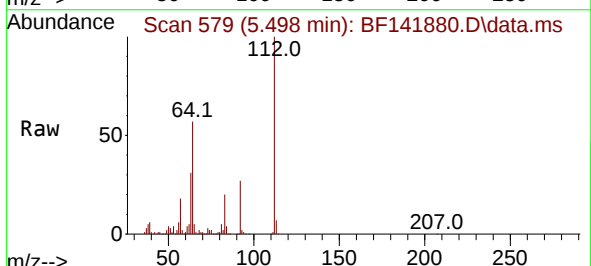
Tgt Ion:152 Resp: 120000
Ion Ratio Lower Upper
152 100
150 153.6 127.5 191.3
115 62.6 51.4 77.2

Manual Integrations
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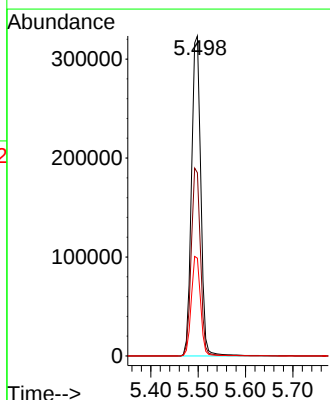
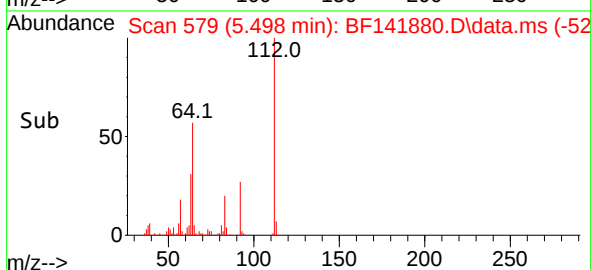
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#5
2-Fluorophenol
Concen: 58.569 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57



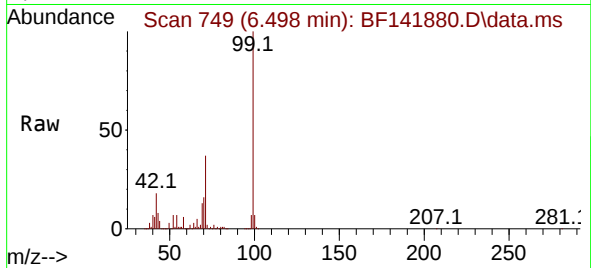
Tgt Ion:112 Resp: 440127
Ion Ratio Lower Upper
112 100
64 57.3 51.3 76.9
63 30.6 26.2 39.4





#7
Phenol-d6
Concen: 56.298 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

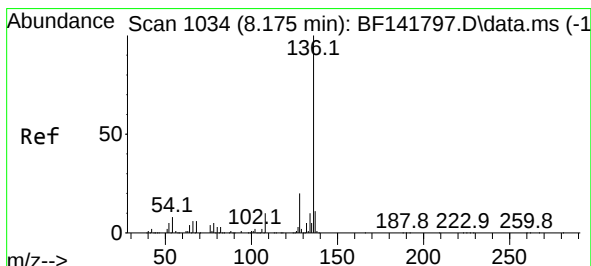
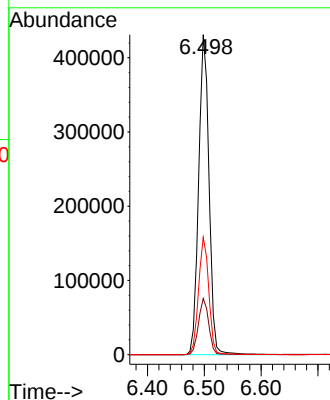
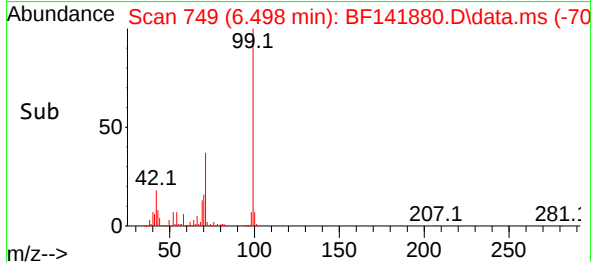
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion: 99 Resp: 55065
Ion Ratio Lower Upper
99 100
42 17.6 15.2 22.8
71 36.7 28.2 42.2

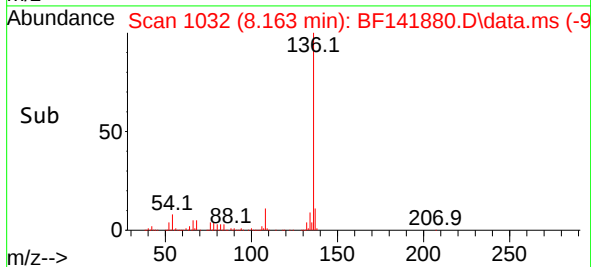
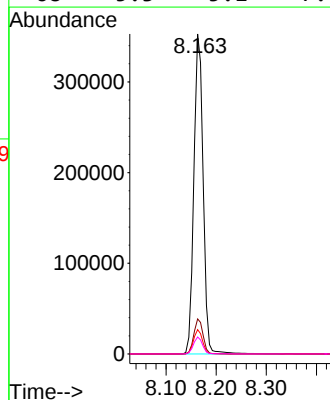
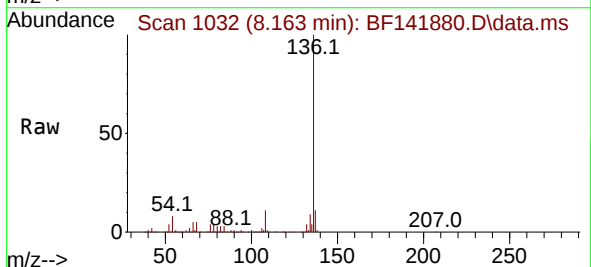
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

Tgt Ion:136 Resp: 452019
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.9 10.3
68 5.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 49.552 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141880.D

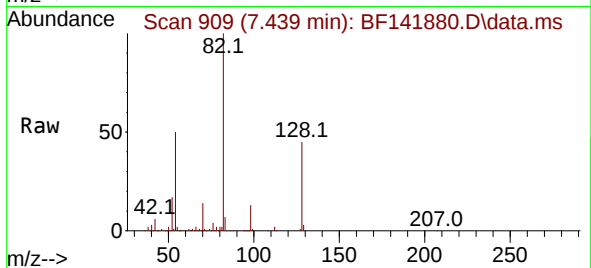
Acq: 06 Mar 2025 20:57

Instrument :

BNA_F

ClientSampleId :

TR-OTR-COMP-01DL

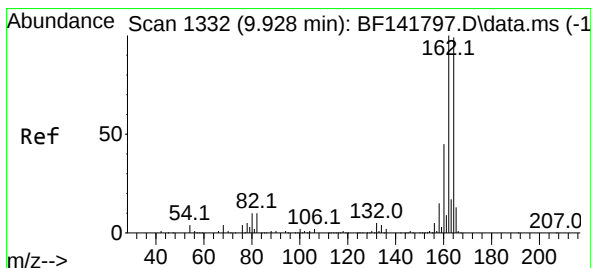
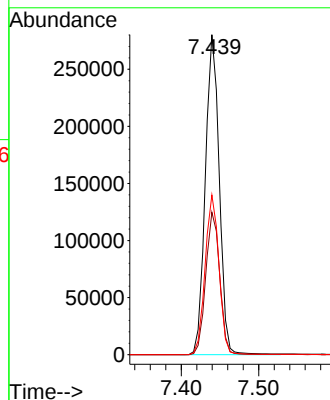
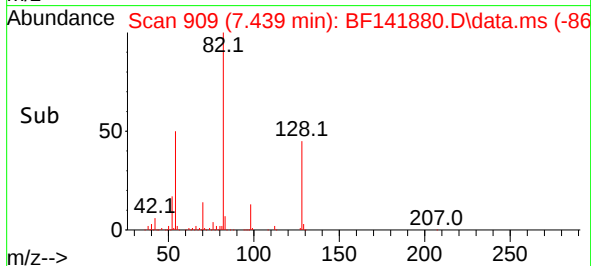


Tgt Ion:	82	Resp:	350415
Ion Ratio	Lower	Upper	
82	100		
128	44.5	33.5	50.3
54	49.9	42.7	64.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

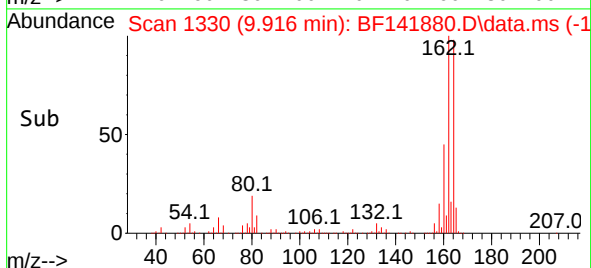
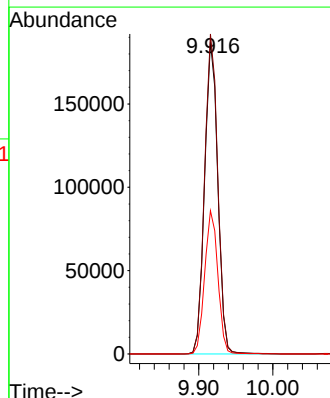
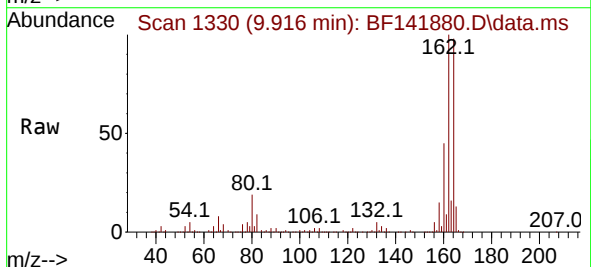
RT: 9.916 min Scan# 1330

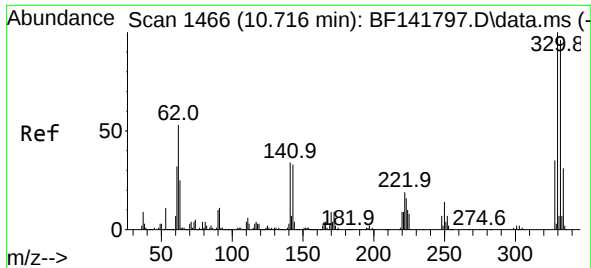
Delta R.T. -0.012 min

Lab File: BF141880.D

Acq: 06 Mar 2025 20:57

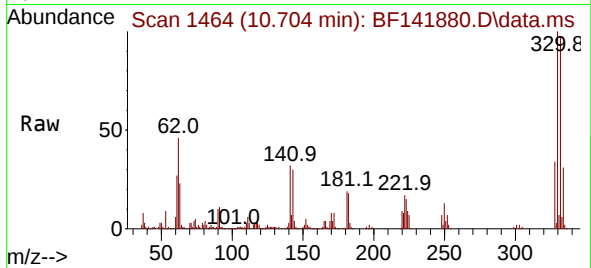
Tgt Ion:	164	Resp:	231452
Ion Ratio	Lower	Upper	
164	100		
162	102.5	80.6	120.8
160	45.9	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 65.355 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

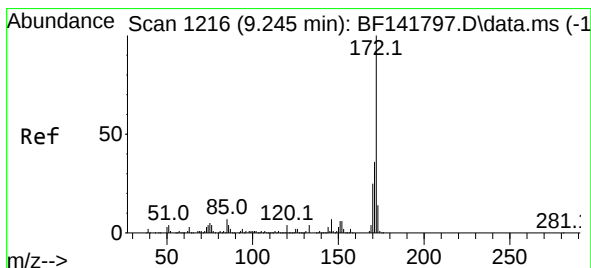
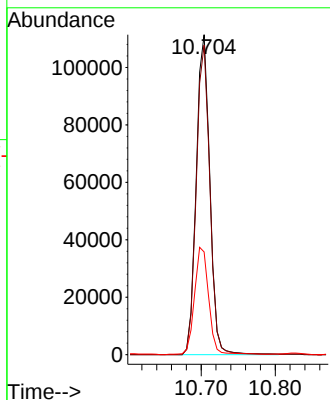
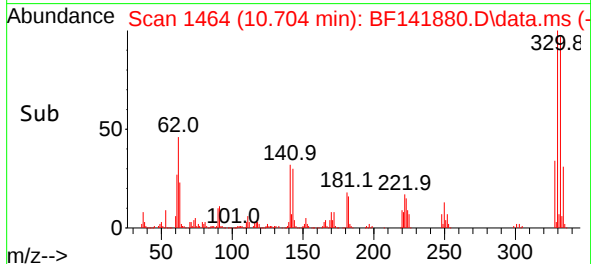
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



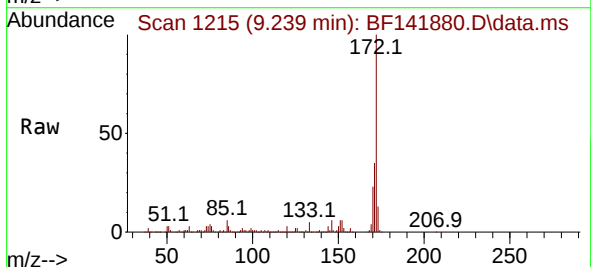
Tgt Ion:330 Resp: 142010
Ion Ratio Lower Upper
330 100
332 96.5 76.6 115.0
141 35.3 29.0 43.4

Manual Integrations
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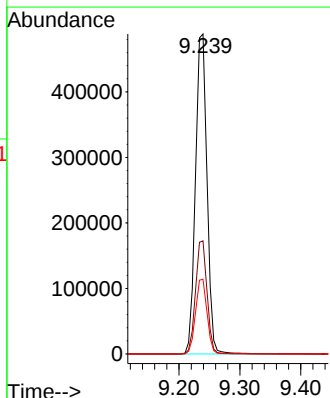
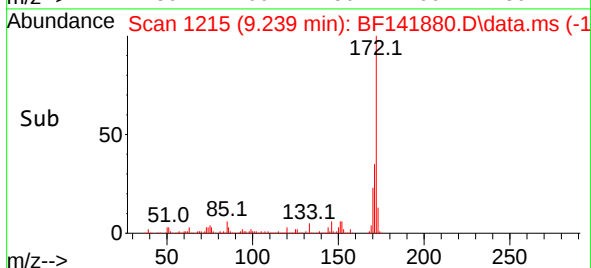
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

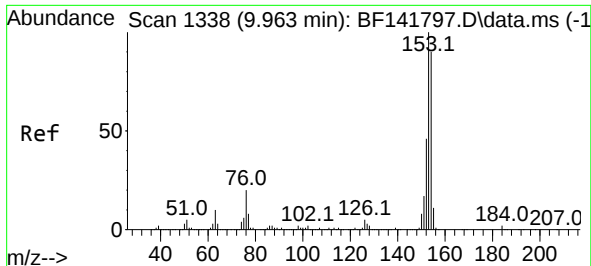


#45
2-Fluorobiphenyl
Concen: 44.526 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57



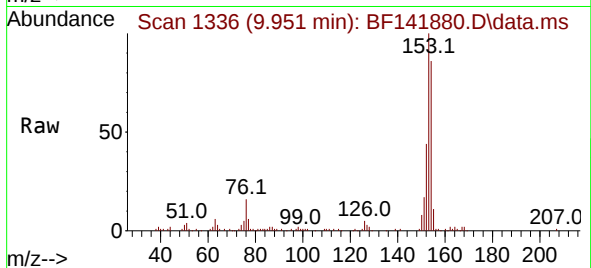
Tgt Ion:172 Resp: 642713
Ion Ratio Lower Upper
172 100
171 35.4 29.2 43.8
170 23.4 19.7 29.5





#52
Acenaphthene
Concen: 3.996 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

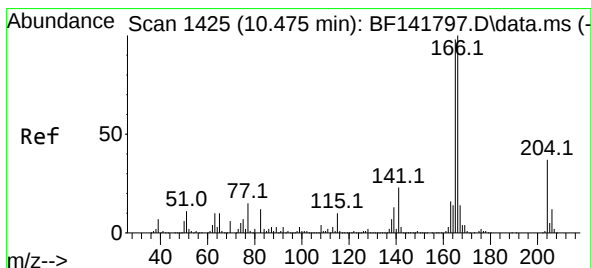
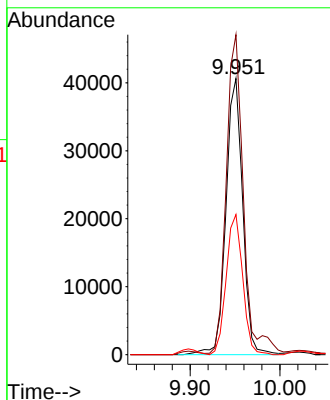
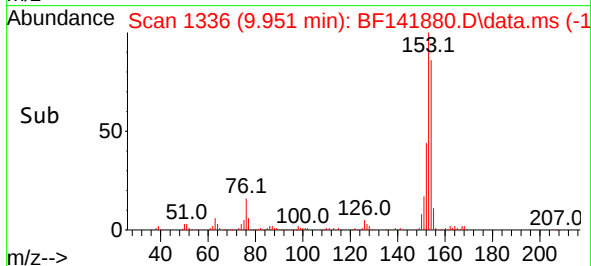
Instrument :
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ClientSampleId :
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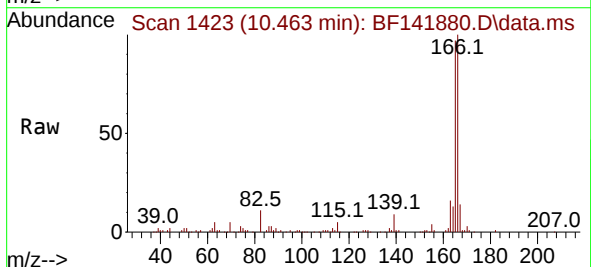
Tgt Ion:154 Resp: 5257
Ion Ratio Lower Upper
154 100
153 115.8 88.7 133.1
152 50.7 40.9 61.3

Manual Integrations
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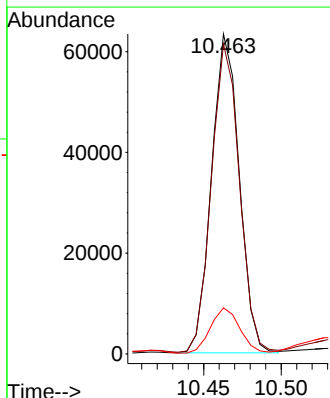
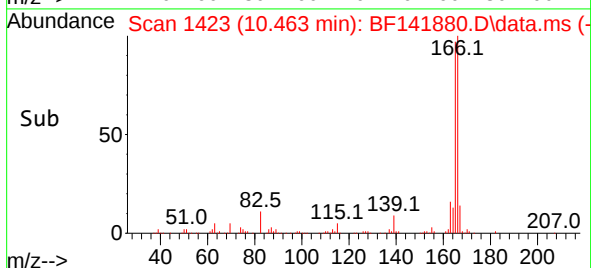
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

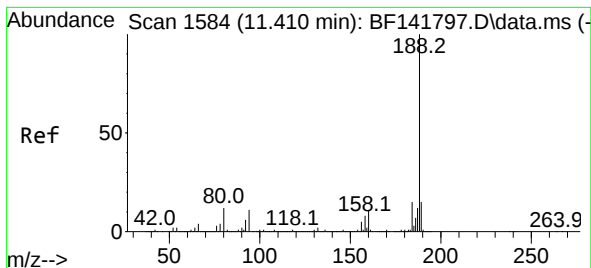


#58
Fluorene
Concen: 5.481 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57



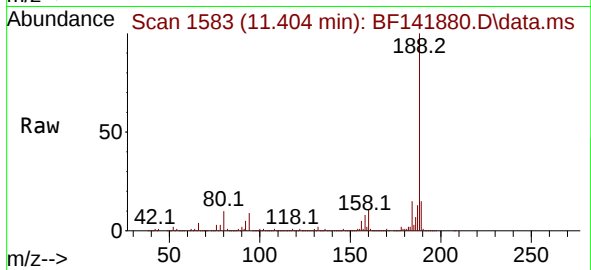
Tgt Ion:166 Resp: 78610
Ion Ratio Lower Upper
166 100
165 96.8 78.6 117.8
167 14.4 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

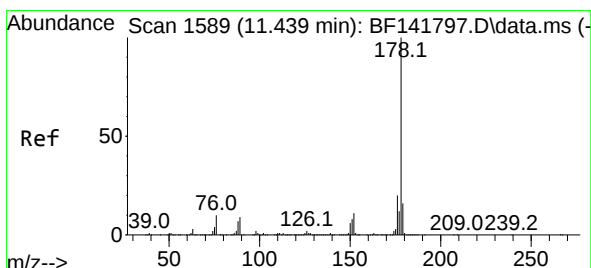
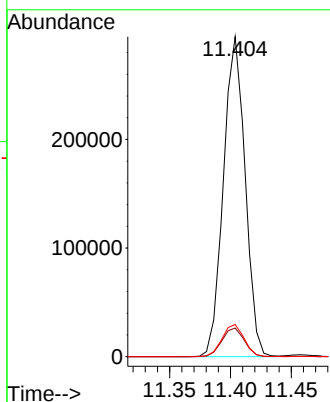
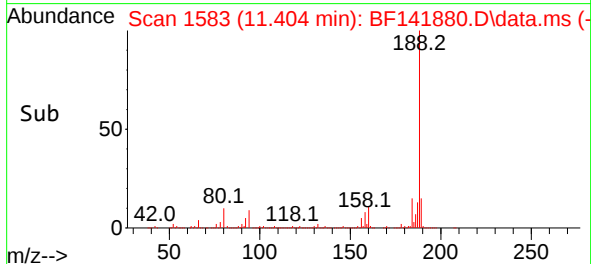
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion:188 Resp: 366044
Ion Ratio Lower Upper
188 100
94 9.0 8.9 13.3
80 10.1 9.7 14.5

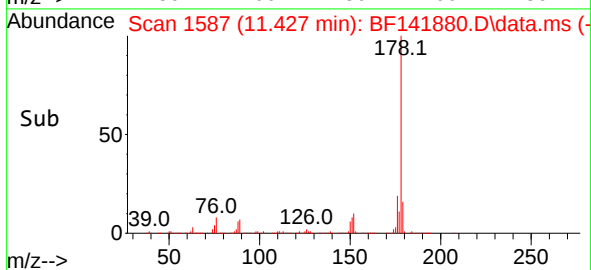
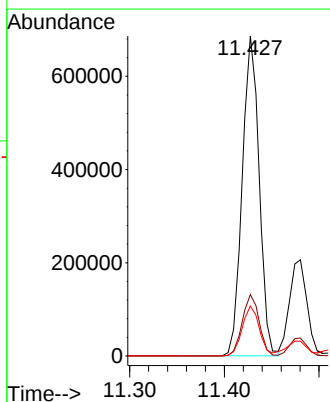
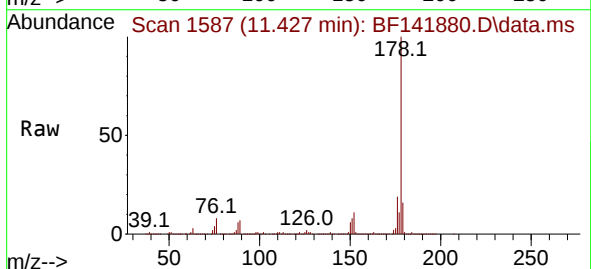
Manual Integrations
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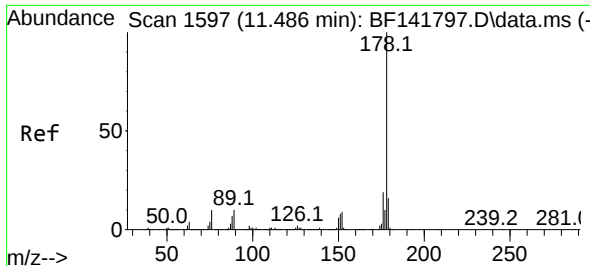
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#71
Phenanthrene
Concen: 43.467 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

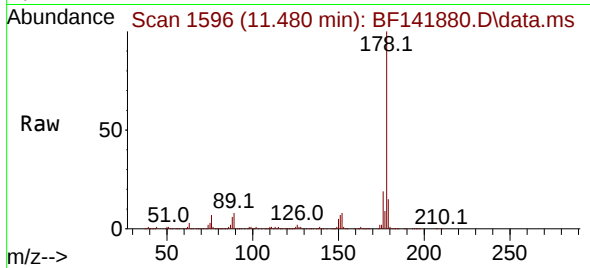
Tgt Ion:178 Resp: 851063
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.6 12.6 19.0





#72
 Anthracene
 Concen: 13.540 ng
 RT: 11.480 min Scan# 1148
 Delta R.T. -0.006 min
 Lab File: BF141880.D
 Acq: 06 Mar 2025 20:57

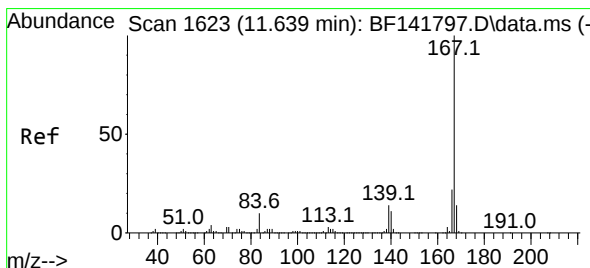
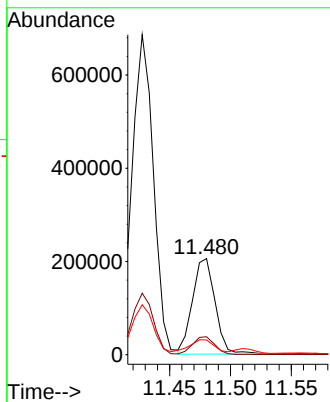
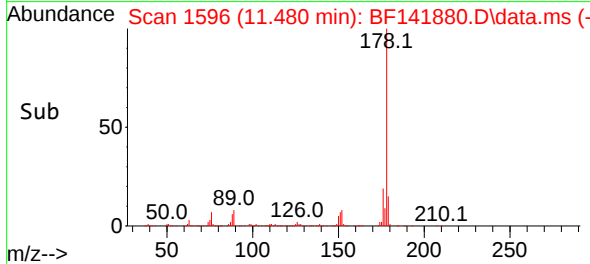
Instrument :
 BNA_F
 ClientSampleId :
 TR-OTR-COMP-01DL



Tgt Ion:178 Resp: 265700
 Ion Ratio Lower Upper
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 176 18.7 15.4 23.0
 179 15.4 12.8 19.2

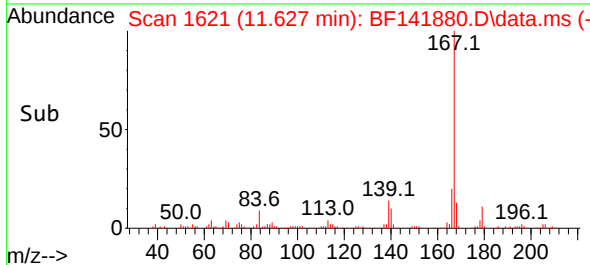
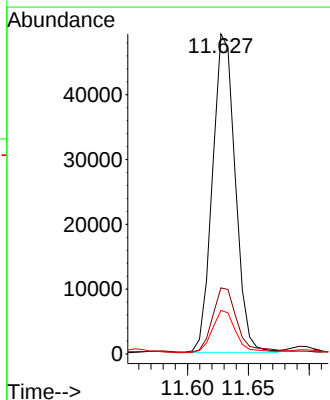
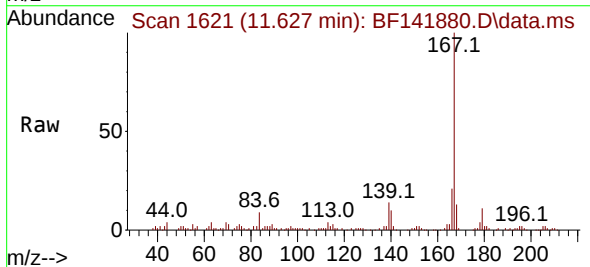
Manual Integrations
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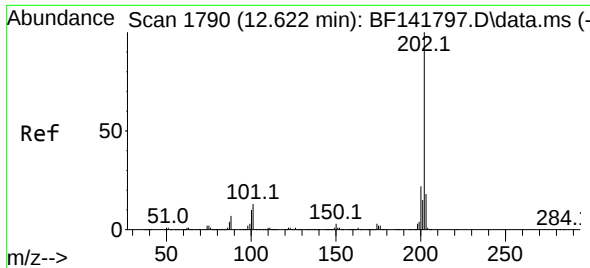
Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025



#73
 Carbazole
 Concen: 3.697 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.012 min
 Lab File: BF141880.D
 Acq: 06 Mar 2025 20:57

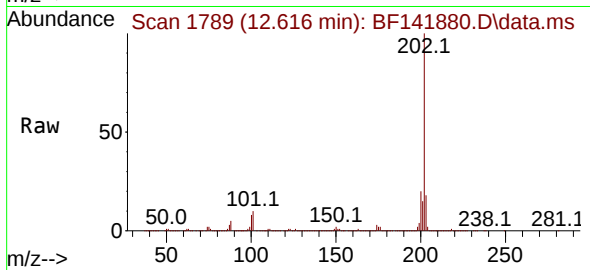
Tgt Ion:167 Resp: 64067
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.5 26.3
 139 13.6 11.3 16.9





#75
Fluoranthene
Concen: 57.761 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

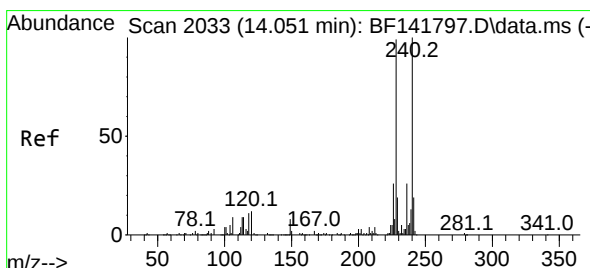
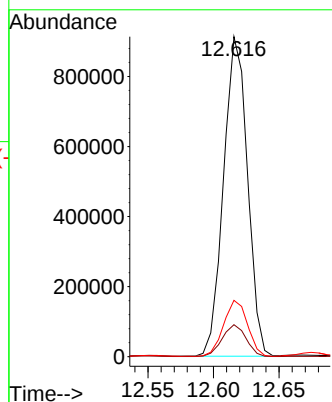
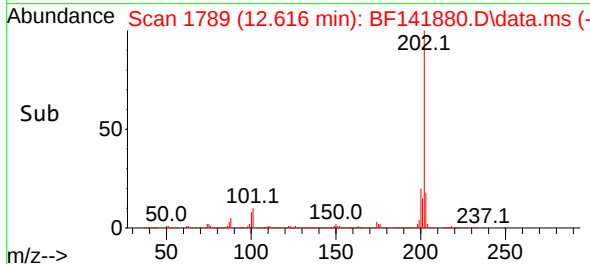
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion:202 Resp: 115884
Ion Ratio Lower Upper
202 100
101 10.0 0.0 32.8
203 17.6 0.0 38.0

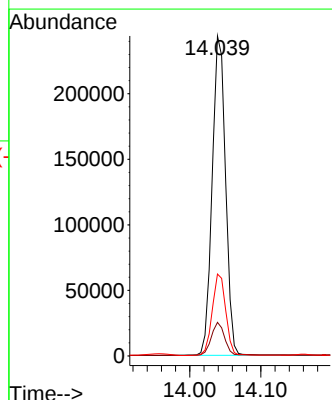
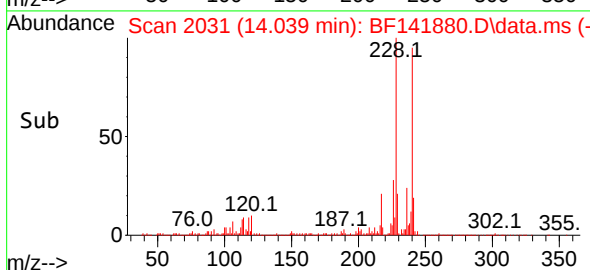
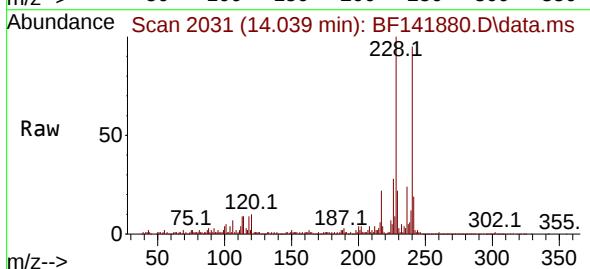
Manual Integrations
APPROVED

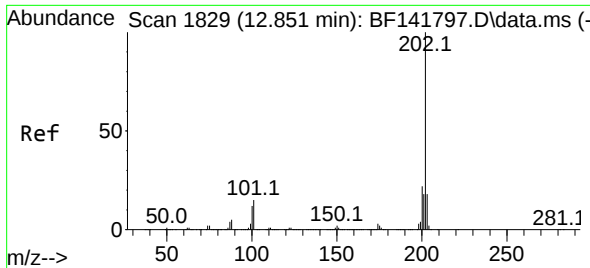
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

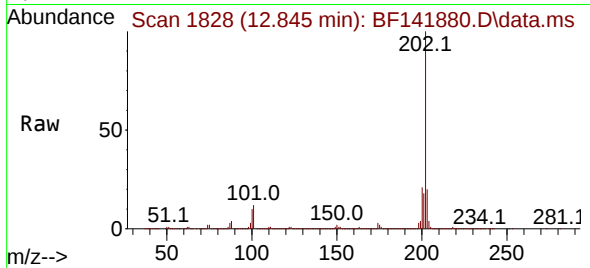
Tgt Ion:240 Resp: 318812
Ion Ratio Lower Upper
240 100
120 10.5 9.7 14.5
236 25.6 21.0 31.4





#78
Pyrene
Concen: 32.828 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

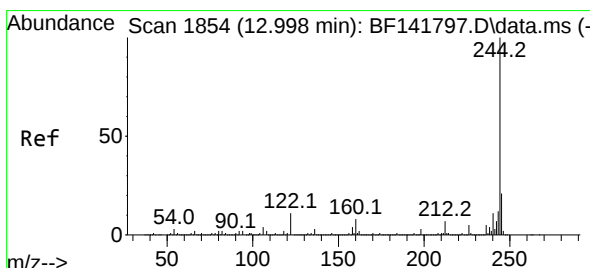
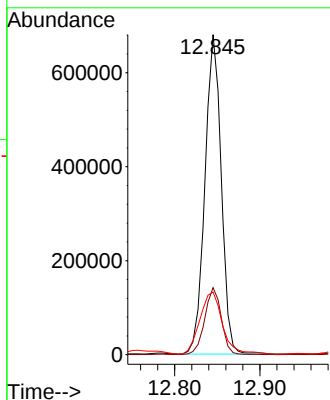
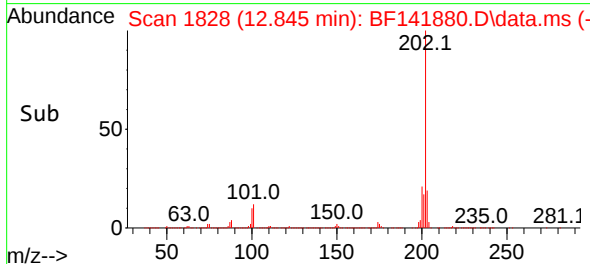
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



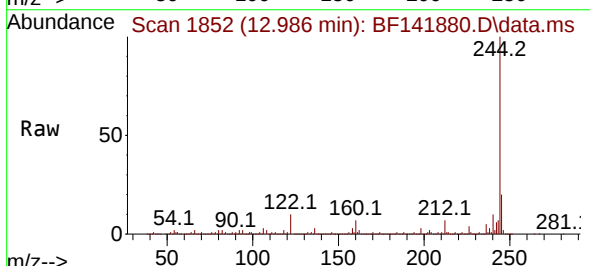
Tgt Ion:202 Resp: 906302
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.0
203 19.6 14.6 22.0

Manual Integrations
APPROVED

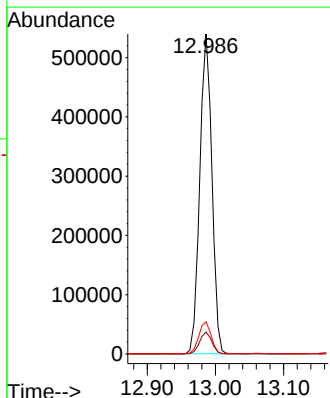
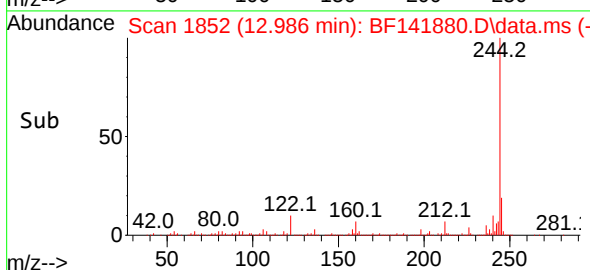
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

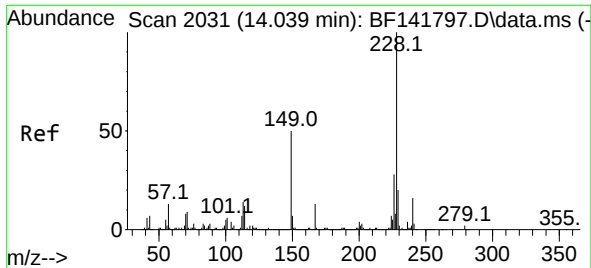


#79
Terphenyl-d14
Concen: 33.808 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57



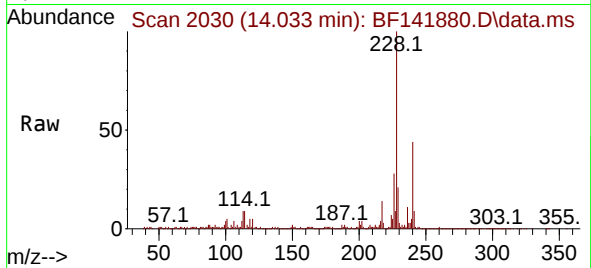
Tgt Ion:244 Resp: 666194
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 10.0 9.0 13.6





#81
Benzo(a)anthracene
Concen: 27.789 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

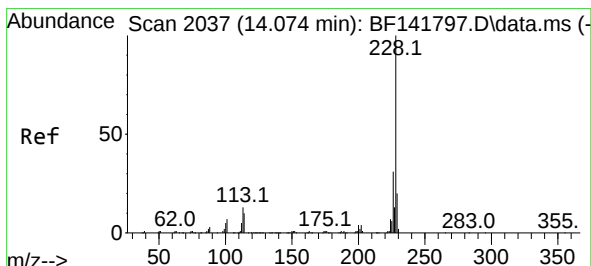
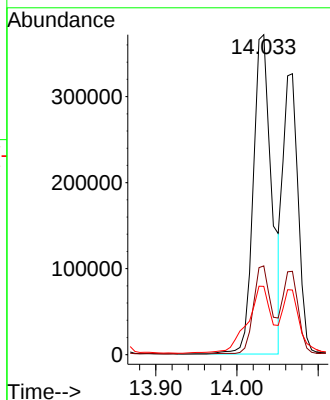
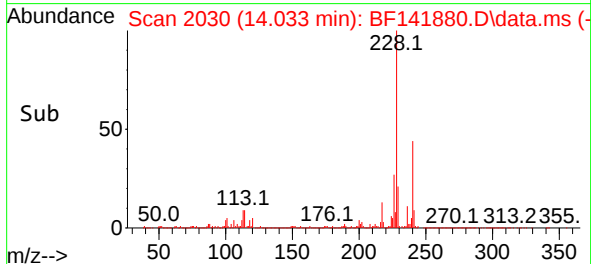
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



Tgt Ion:228 Resp: 58518
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 21.3 16.1 24.1

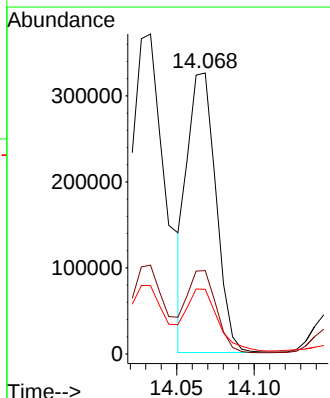
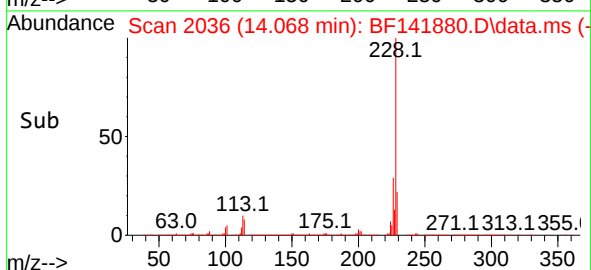
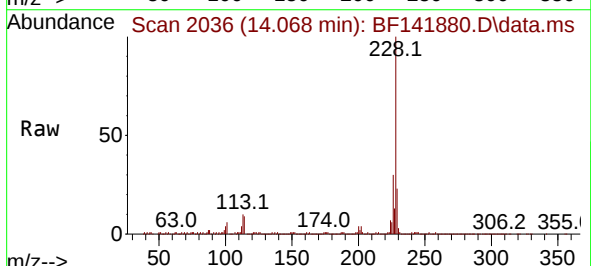
Manual Integrations
APPROVED

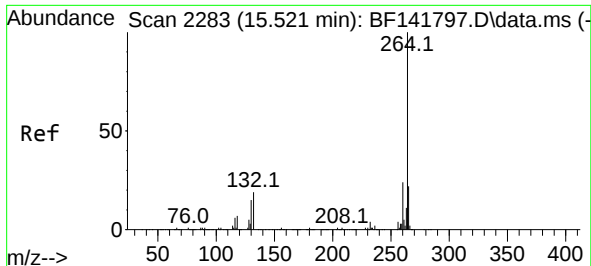
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#83
Chrysene
Concen: 21.529 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

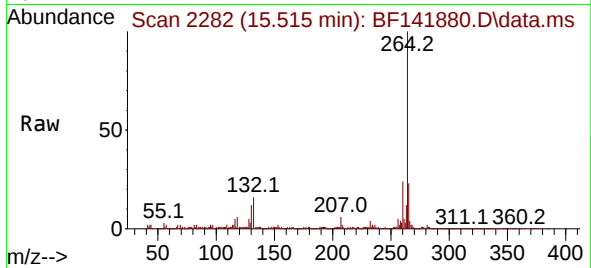
Tgt Ion:228 Resp: 417918
Ion Ratio Lower Upper
228 100
226 29.6 24.6 37.0
229 23.0 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

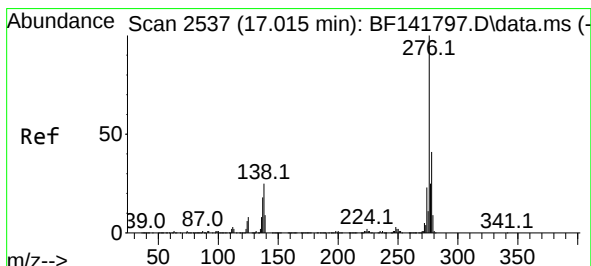
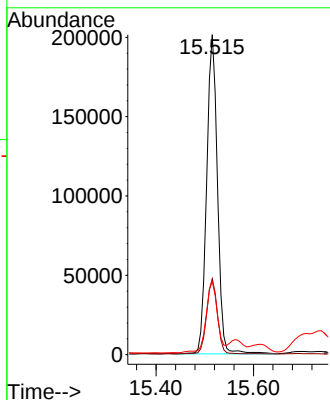
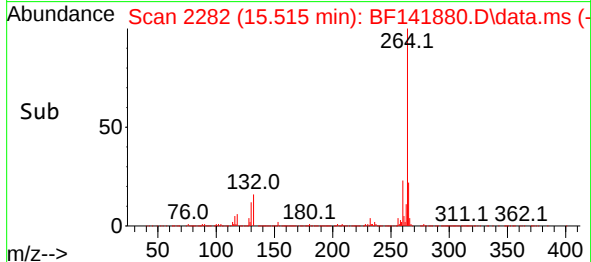
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



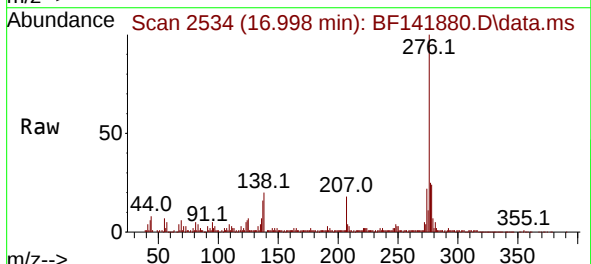
Tgt Ion:264 Resp: 307954
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.9 17.4 26.0

Manual Integrations
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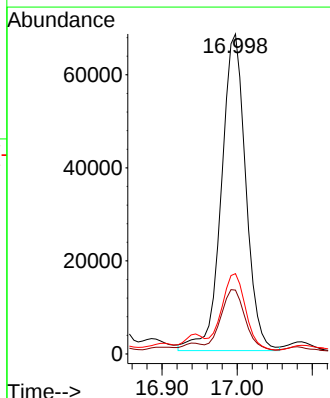
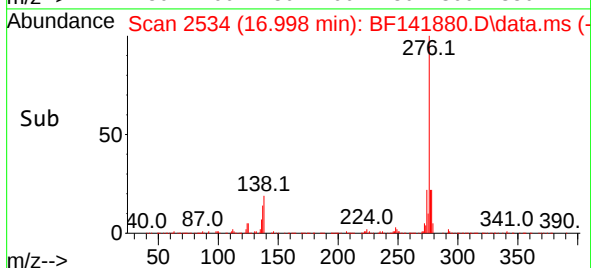
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

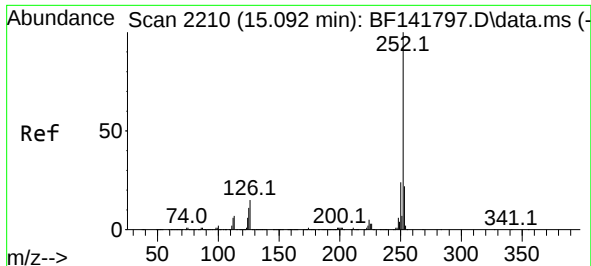


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.851 ng m
RT: 16.998 min Scan# 2534
Delta R.T. -0.018 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57



Tgt Ion:276 Resp: 153945
Ion Ratio Lower Upper
276 100
138 4.2 22.5 33.7#
277 5.0 20.3 30.5#





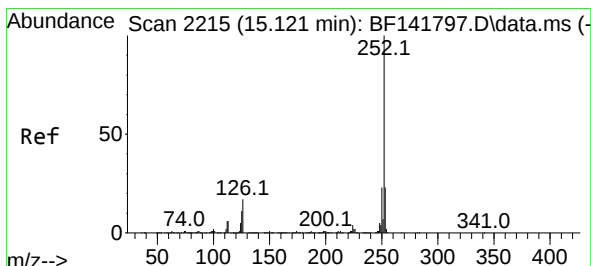
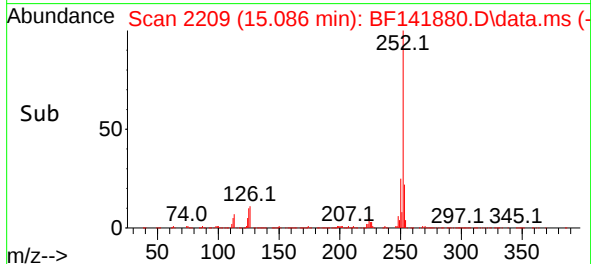
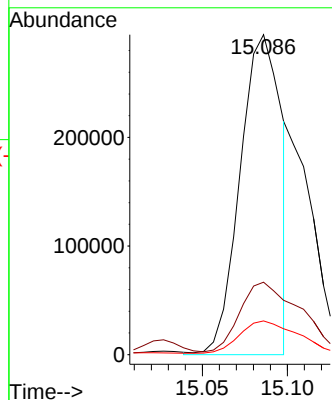
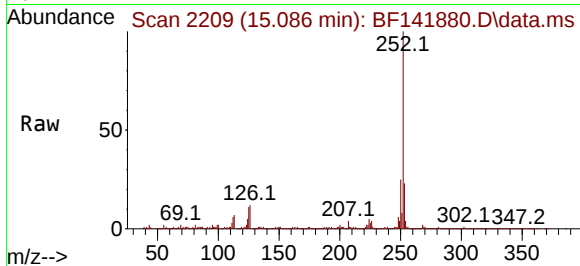
#88
Benzo(b)fluoranthene
Concen: 23.763 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

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

Tgt Ion:252 Resp: 498479
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 10.6 8.6 13.0

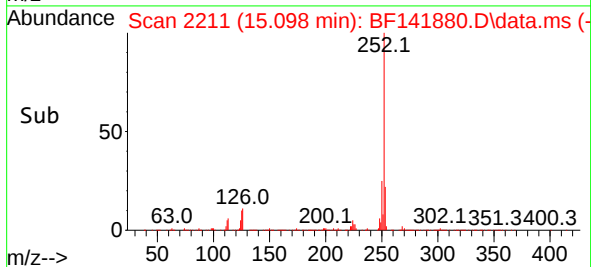
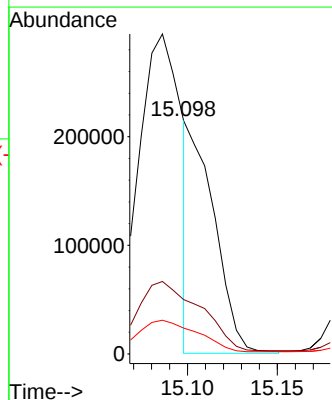
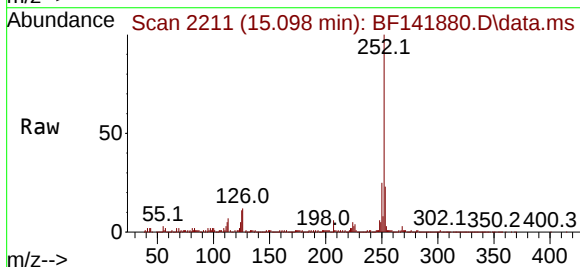
Manual Integrations
APPROVED

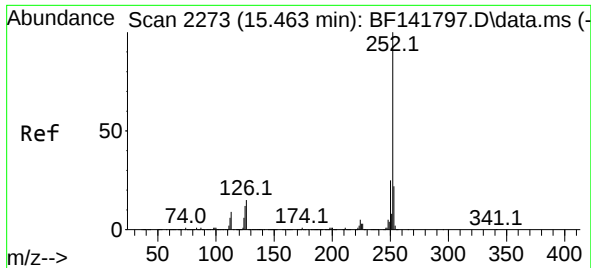
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#89
Benzo(k)fluoranthene
Concen: 11.627 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.024 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

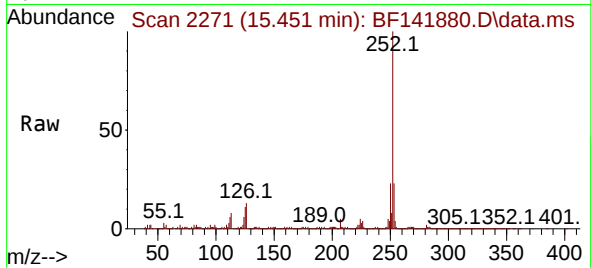
Tgt Ion:252 Resp: 207313
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.1 8.8 13.2





#90
Benzo(a)pyrene
Concen: 20.381 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57

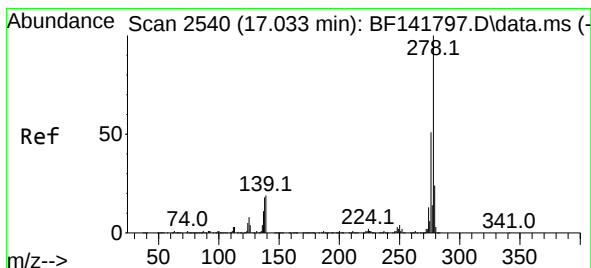
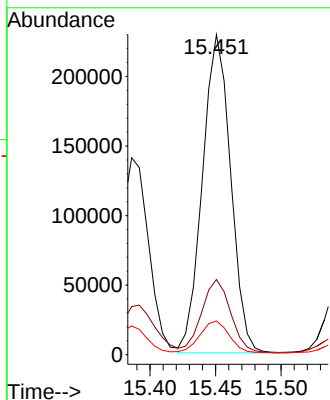
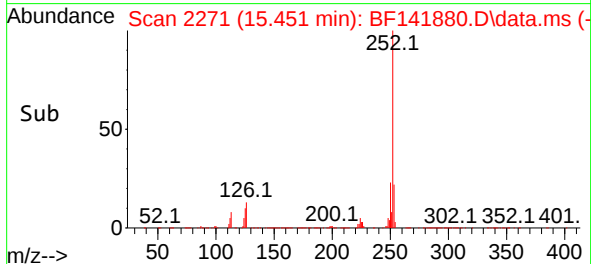
Instrument :
BNA_F
ClientSampleId :
TR-OTR-COMP-01DL



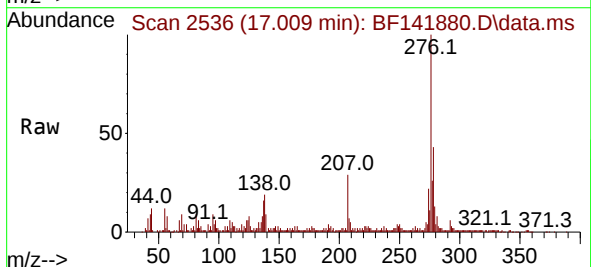
Tgt Ion:252 Resp: 34286
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.5 9.4 14.2

Manual Integrations
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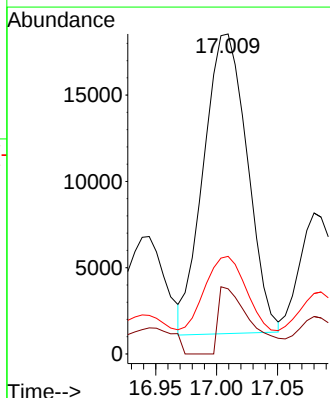
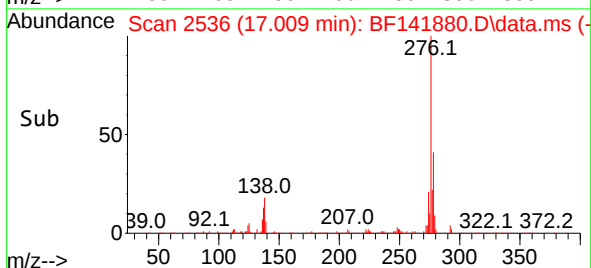
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

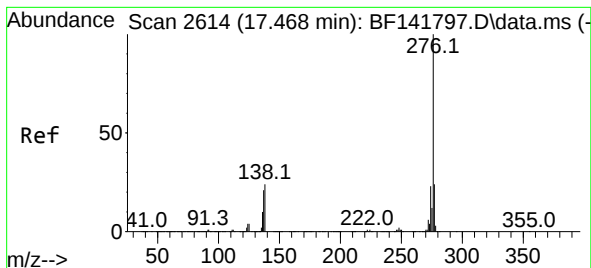


#91
Dibenzo(a,h)anthracene
Concen: 2.707 ng
RT: 17.009 min Scan# 2536
Delta R.T. -0.024 min
Lab File: BF141880.D
Acq: 06 Mar 2025 20:57



Tgt Ion:278 Resp: 43334
Ion Ratio Lower Upper
278 100
139 20.4 14.9 22.3
279 30.5 19.3 28.9#





#92

Benzo(g,h,i)perylene

Concen: 7.345 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF141880.D

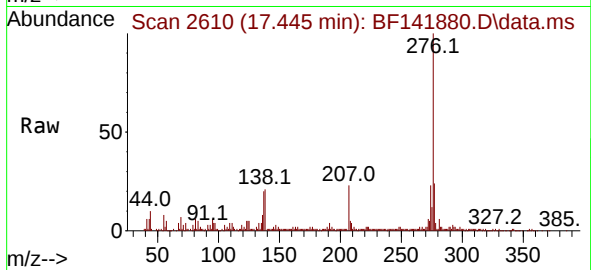
Acq: 06 Mar 2025 20:57

Instrument :

BNA_F

ClientSampleId :

TR-OTR-COMP-01DL



Tgt Ion:276 Resp: 12043

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.0

138 20.7 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

