

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142180.D
 Acq On : 31 Mar 2025 14:59
 Operator : RC/JU
 Sample : Q1650-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-BIN2DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 15:31:08 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	6.863	152	100474	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	374244	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	191619	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	289308	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	237435	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	291484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	134490	22.340	ng	-0.02
7) Phenol-d6	6.481	99	167669	21.875	ng	-0.02
23) Nitrobenzene-d5	7.422	82	102485	15.411	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	38349	15.775	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	216994	17.222	ng	-0.02
79) Terphenyl-d14	12.974	244	176108	10.966	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.933	154	24747	2.187	ng	99
58) Fluorene	10.451	166	40697	3.264	ng	98
71) Phenanthrene	11.416	178	257264	16.463	ng	98
72) Anthracene	11.463	178	127600	8.139	ng	99
75) Fluoranthene	12.604	202	510032	30.769	ng	99
78) Pyrene	12.833	202	343678	16.733	ng	98
81) Benzo(a)anthracene	14.021	228	160269	10.286	ng	97
83) Chrysene	14.057	228	127030	8.994	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	53250	2.824	ng	# 93
88) Benzo(b)fluoranthene	15.074	252	171420m	8.581	ng	
89) Benzo(k)fluoranthene	15.092	252	56533m	3.307	ng	
90) Benzo(a)pyrene	15.445	252	88968	5.692	ng	98
92) Benzo(g,h,i)perylene	17.439	276	51889	3.375	ng	96

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

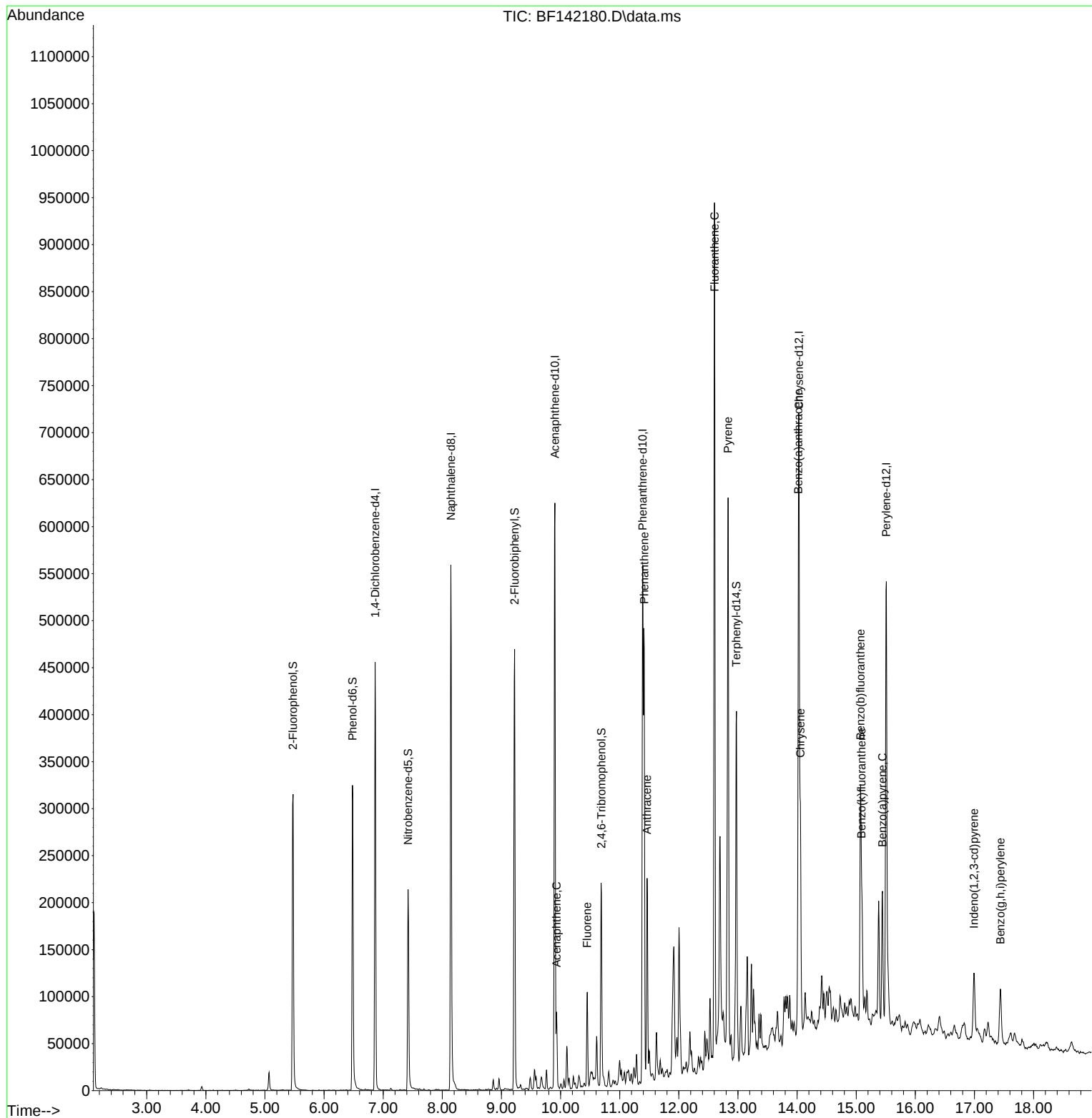
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142180.D
Acq On : 31 Mar 2025 14:59
Operator : RC/JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

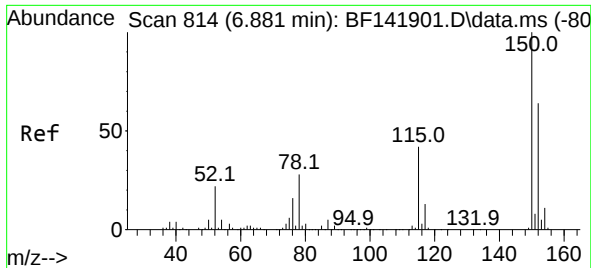
Instrument :
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Quant Time: Mar 31 15:31:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
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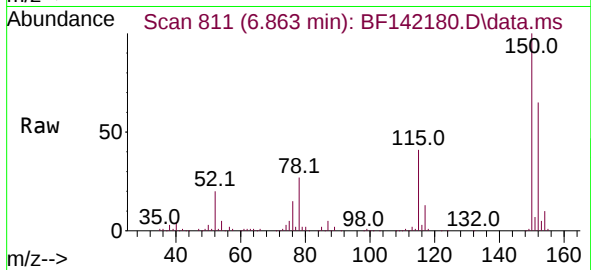
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

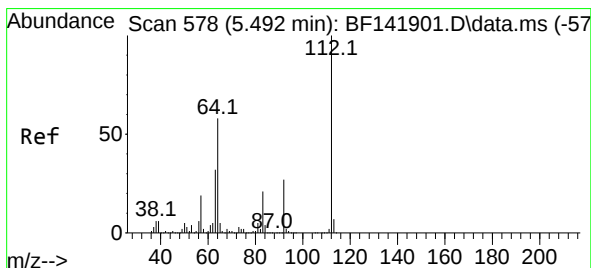
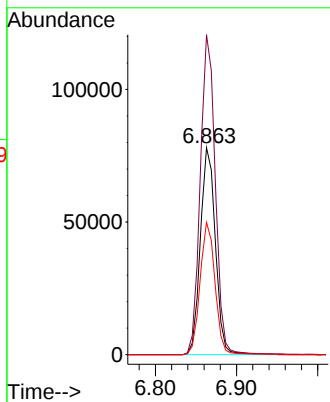
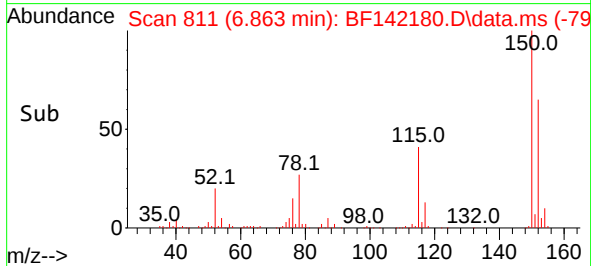
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:152 Resp: 100474
Ion Ratio Lower Upper
152 100
150 154.5 127.4 191.2
115 63.9 51.9 77.9

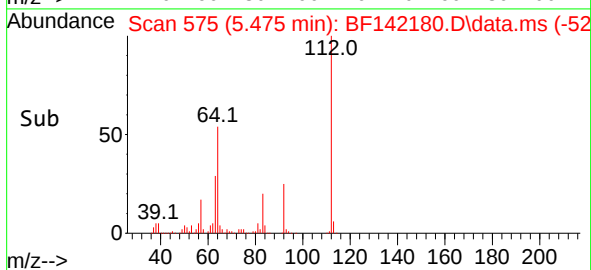
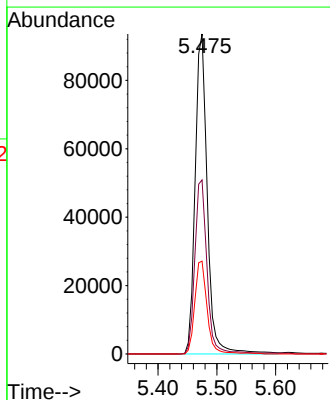
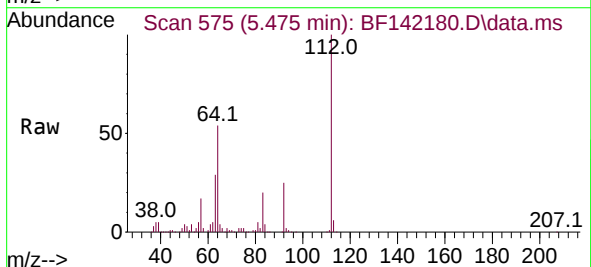
Manual Integrations
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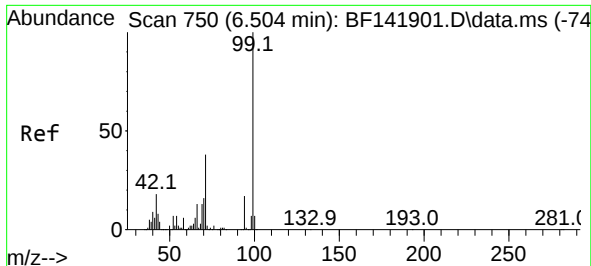
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 22.340 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

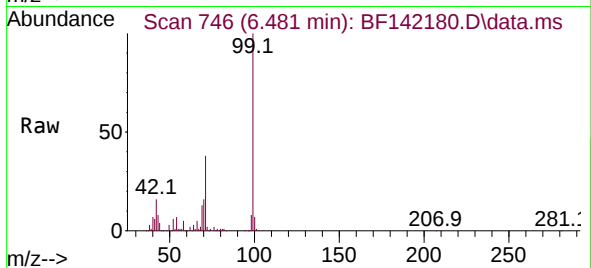
Tgt Ion:112 Resp: 134490
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 29.0 25.4 38.2





#7
Phenol-d6
Concen: 21.875 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.023 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

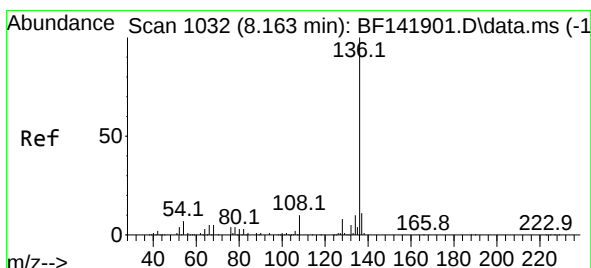
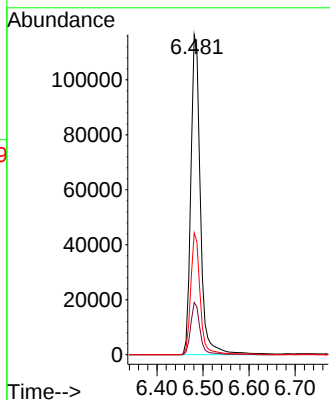
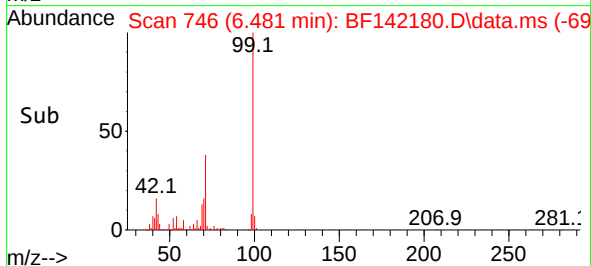
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion: 99 Resp: 167669
Ion Ratio Lower Upper
99 100
42 16.3 14.6 21.8
71 38.0 30.8 46.2

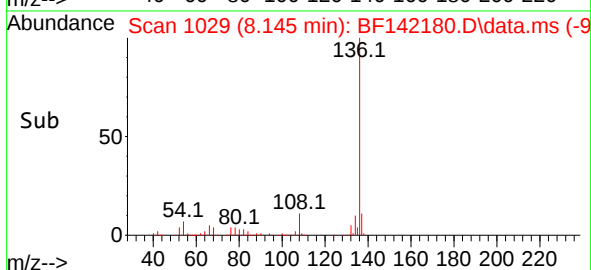
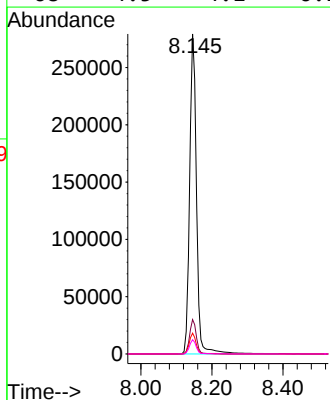
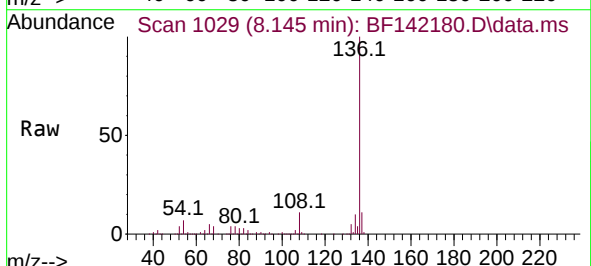
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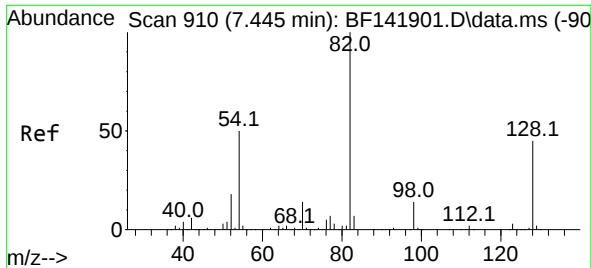
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:136 Resp: 374244
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.5 5.8 8.8
68 4.5 4.1 6.1





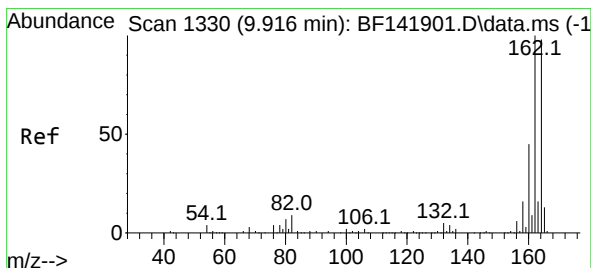
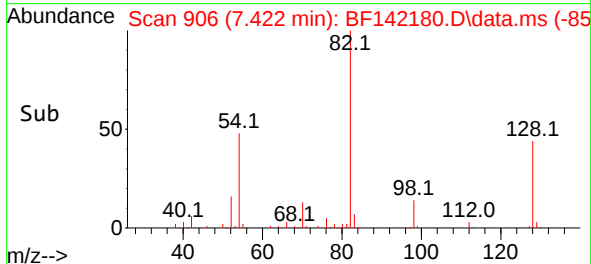
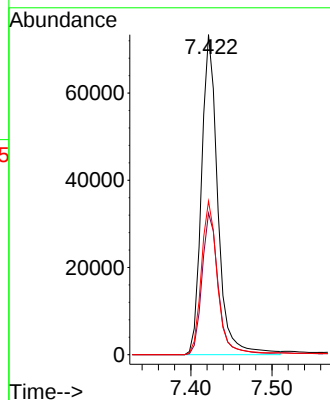
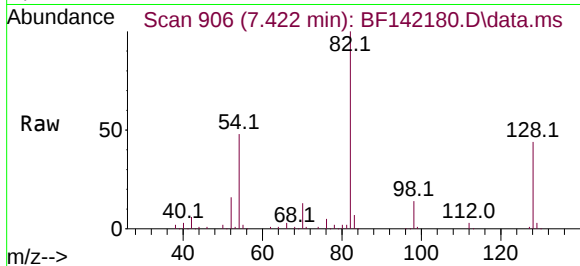
#23
Nitrobenzene-d5
Concen: 15.411 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.023 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

Tgt Ion: 82 Resp: 10248
Ion Ratio Lower Upper
82 100
128 44.2 36.0 54.0
54 48.0 39.6 59.4

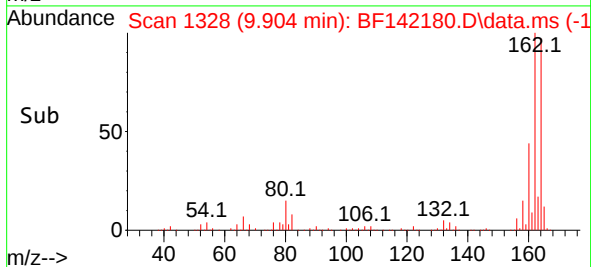
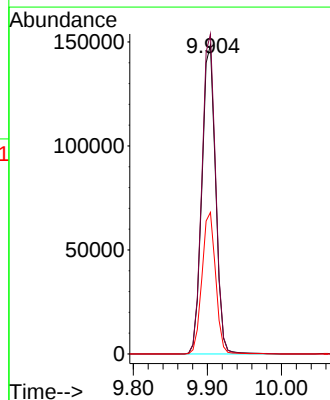
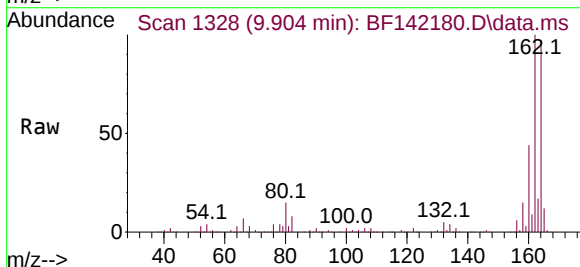
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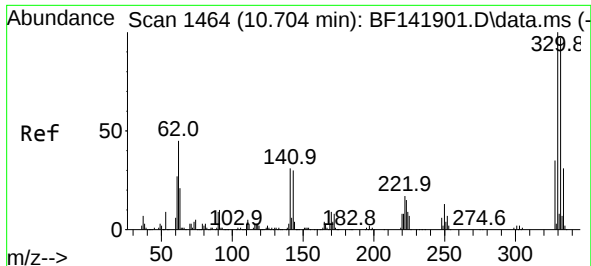
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:164 Resp: 191619
Ion Ratio Lower Upper
164 100
162 103.5 81.8 122.6
160 45.8 36.7 55.1





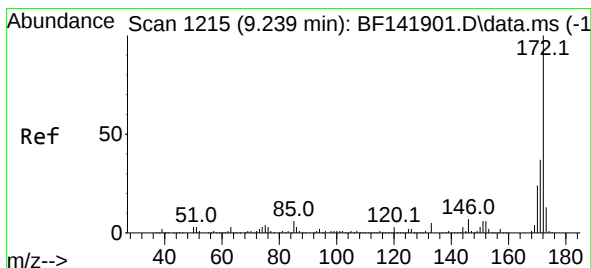
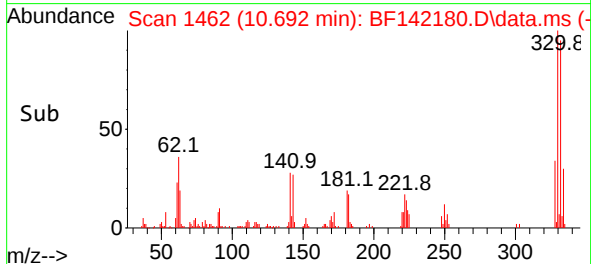
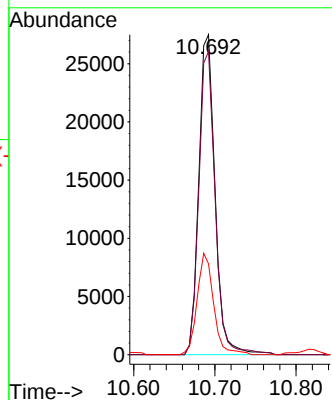
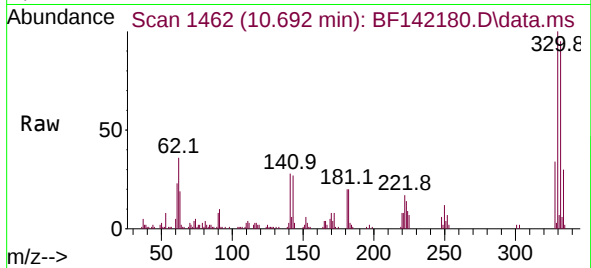
#42
2,4,6-Tribromophenol
Concen: 15.775 ng
RT: 10.692 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL

Tgt Ion: 330 Resp: 38349
Ion Ratio Lower Upper
330 100
332 95.0 77.6 116.4
141 32.2 24.7 37.1

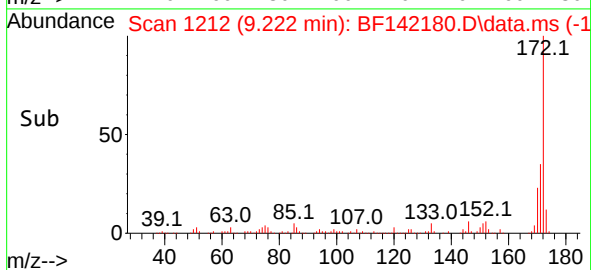
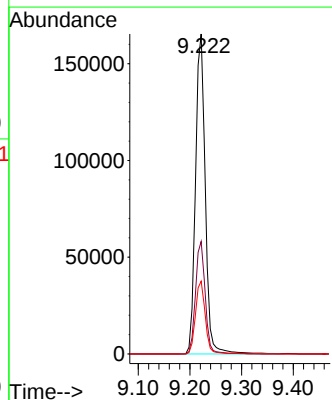
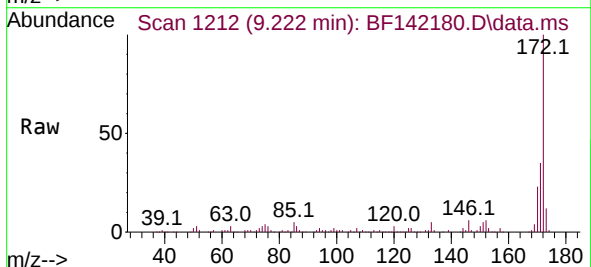
Manual Integrations
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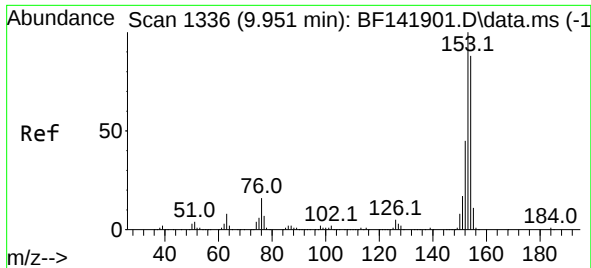
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#45
2-Fluorobiphenyl
Concen: 17.222 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

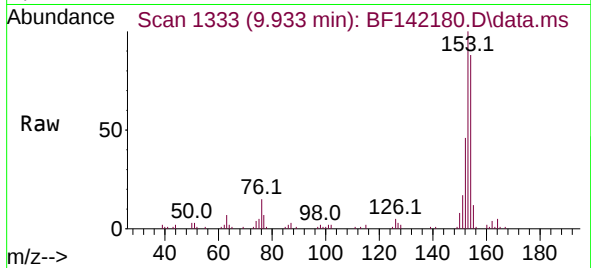
Tgt Ion: 172 Resp: 216994
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 22.8 19.4 29.0





#52
Acenaphthene
Concen: 2.187 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

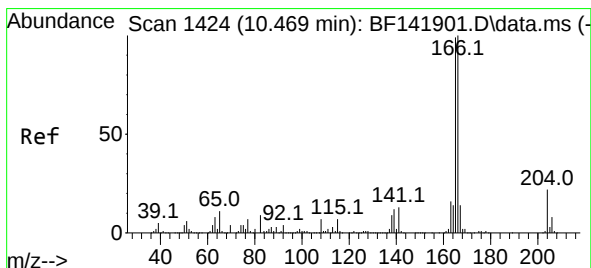
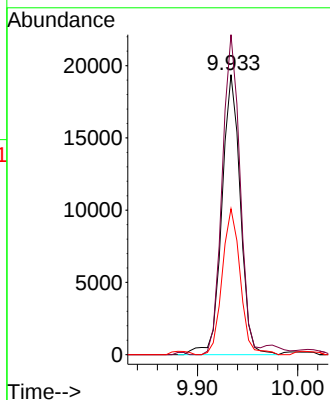
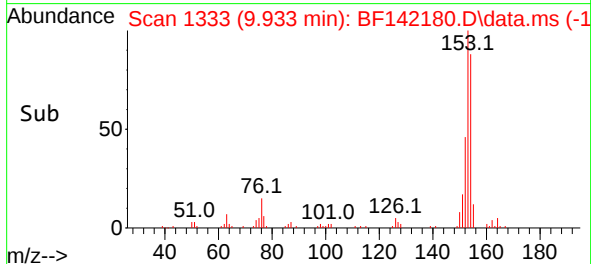
Instrument :
BNA_F
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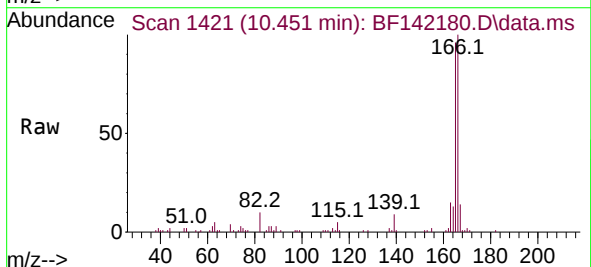
Tgt Ion:154 Resp: 2474
Ion Ratio Lower Upper
154 100
153 114.3 90.7 136.1
152 52.1 41.1 61.7

Manual Integrations
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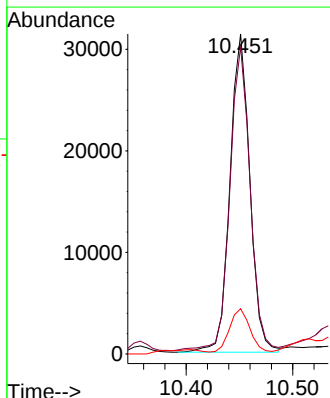
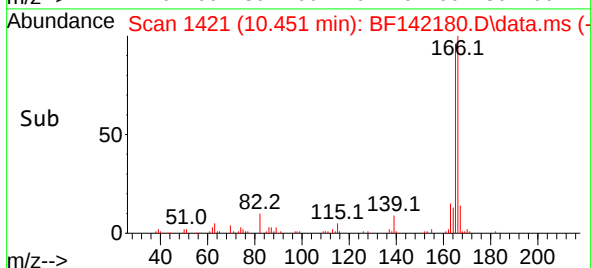
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

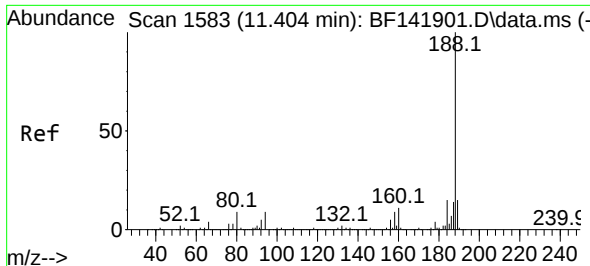


#58
Fluorene
Concen: 3.264 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59



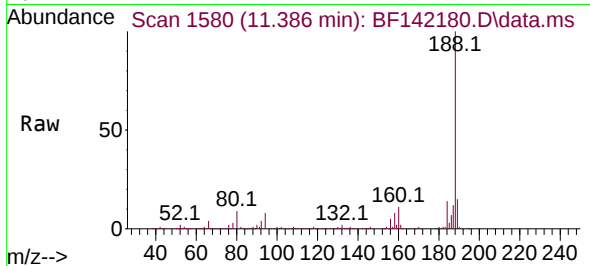
Tgt Ion:166 Resp: 40697
Ion Ratio Lower Upper
166 100
165 96.1 79.0 118.4
167 14.2 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

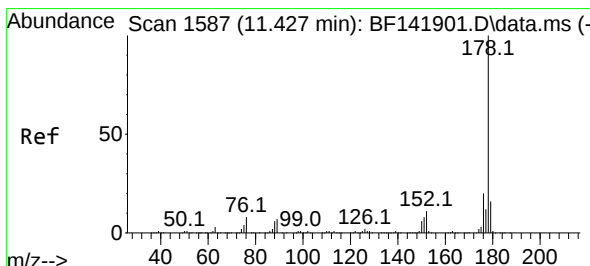
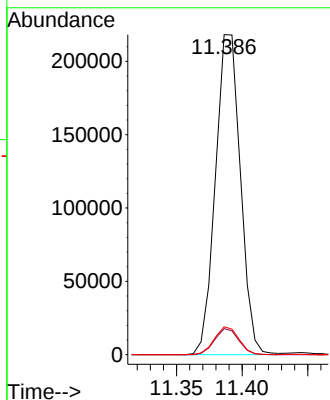
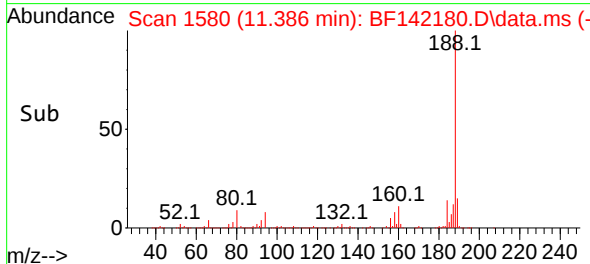
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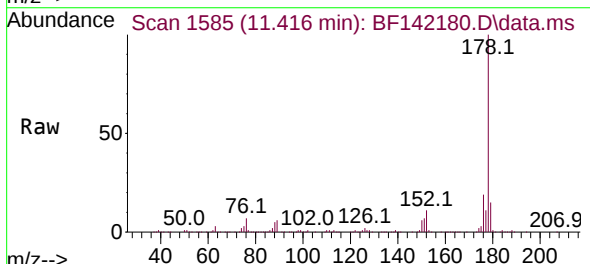
Tgt Ion:188 Resp: 289308
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.7 7.6 11.4

Manual Integrations
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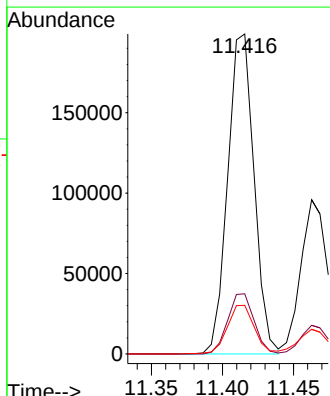
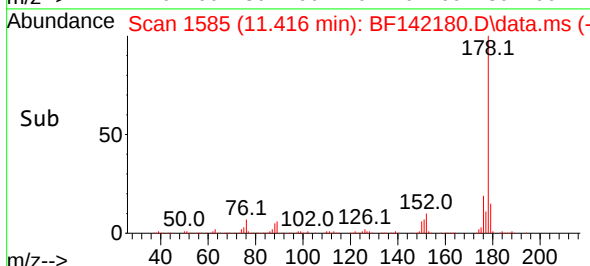
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

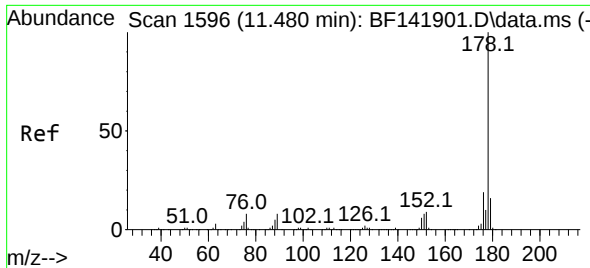


#71
Phenanthrene
Concen: 16.463 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59



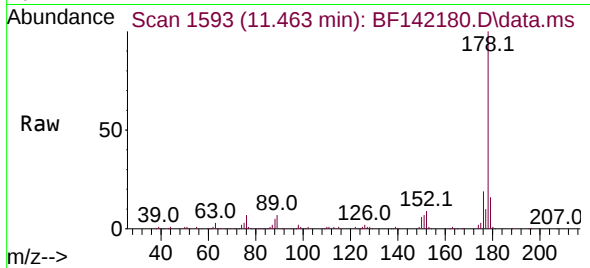
Tgt Ion:178 Resp: 257264
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.2 12.6 19.0





#72
 Anthracene
 Concen: 8.139 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF142180.D
 Acq: 31 Mar 2025 14:59

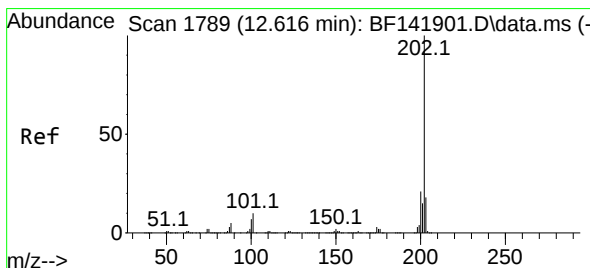
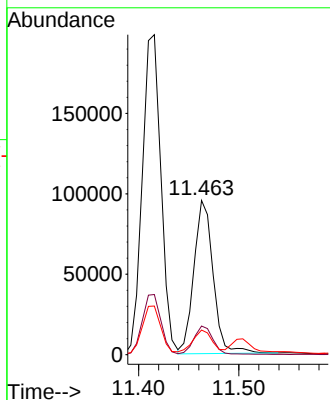
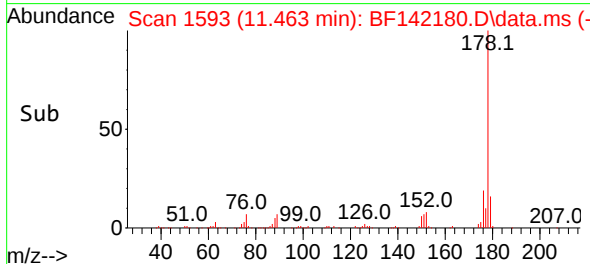
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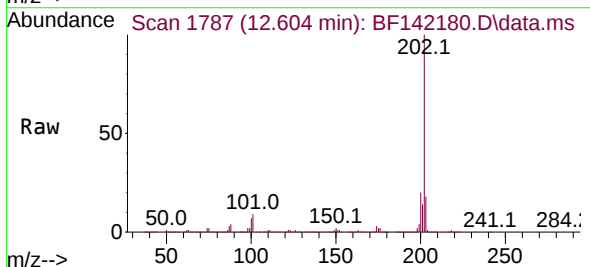
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 Ion Ratio Lower Upper
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 176 18.6 15.1 22.7
 179 16.0 12.6 19.0

Manual Integrations
 APPROVED

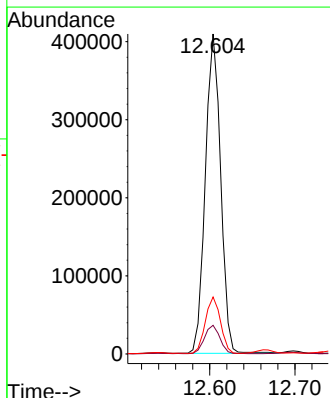
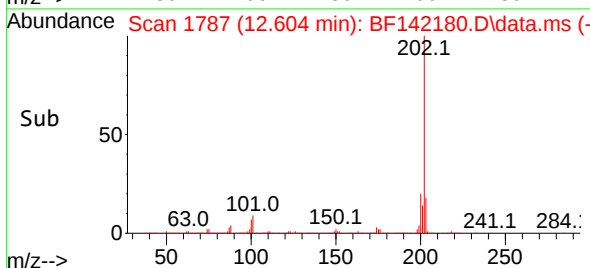
Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

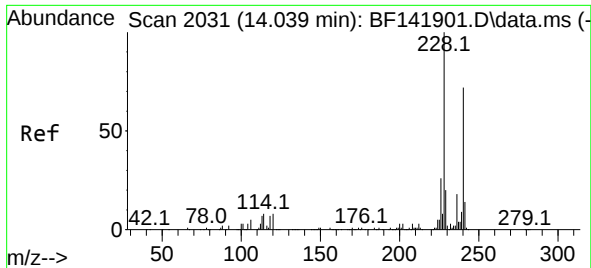


#75
 Fluoranthene
 Concen: 30.769 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF142180.D
 Acq: 31 Mar 2025 14:59



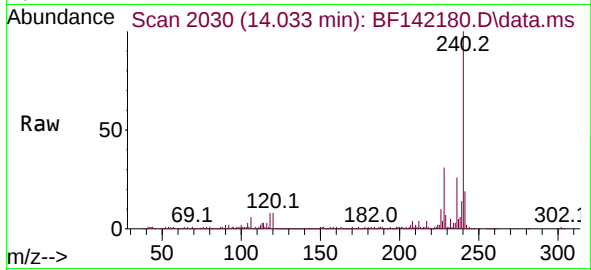
Tgt Ion:202 Resp: 510032
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 29.7
 203 17.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

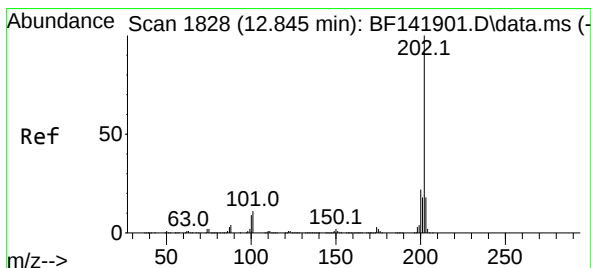
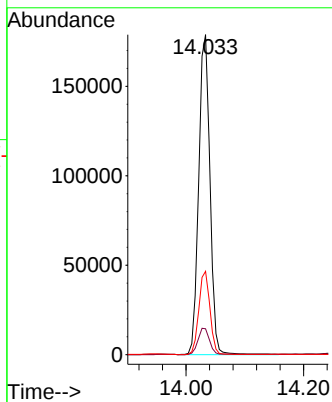
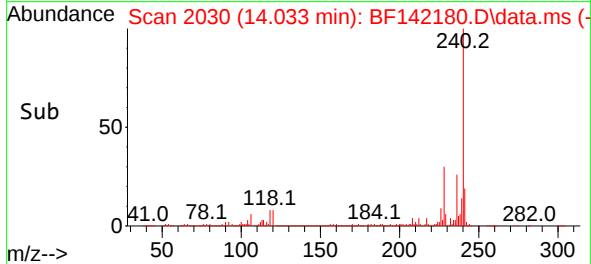
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:240 Resp: 237435
Ion Ratio Lower Upper
240 100
120 8.1 8.4 12.6
236 26.0 20.5 30.7

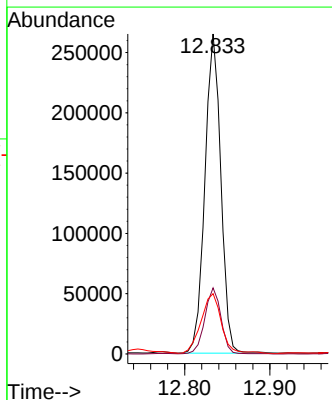
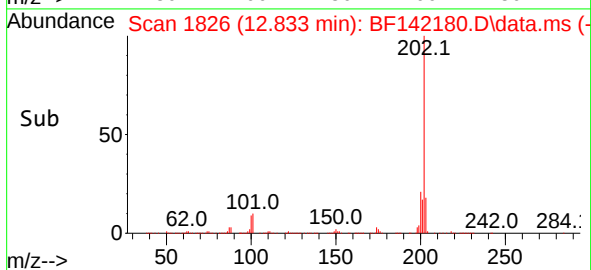
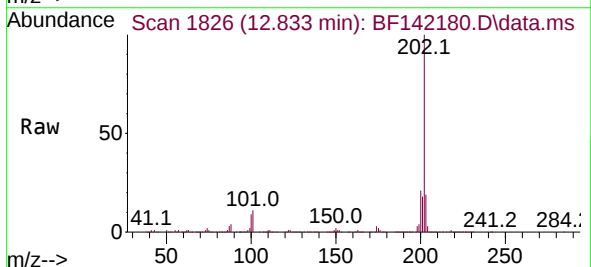
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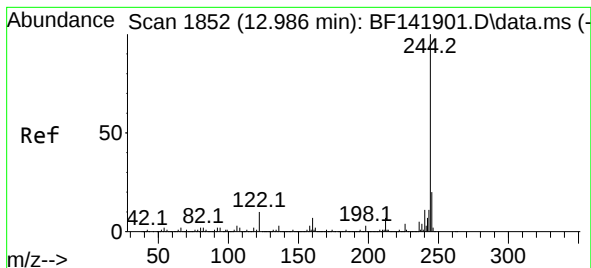
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#78
Pyrene
Concen: 16.733 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:202 Resp: 343678
Ion Ratio Lower Upper
202 100
200 20.6 17.3 25.9
203 18.9 14.4 21.6





#79

Terphenyl-d14

Concen: 10.966 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142180.D

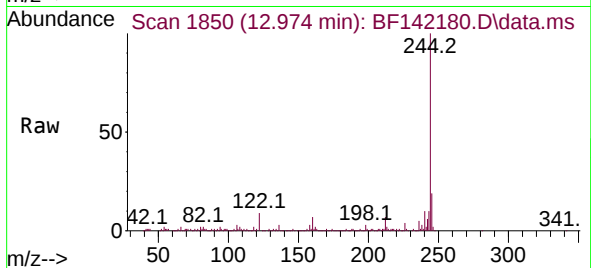
Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-BIN2DL



Tgt Ion:244 Resp: 176108

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

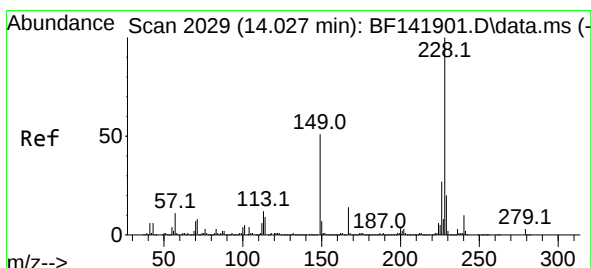
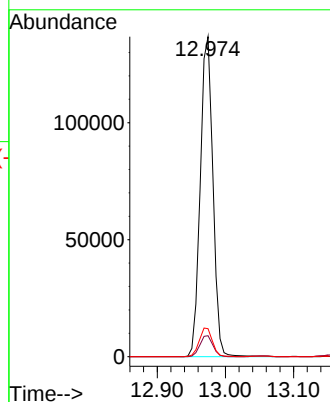
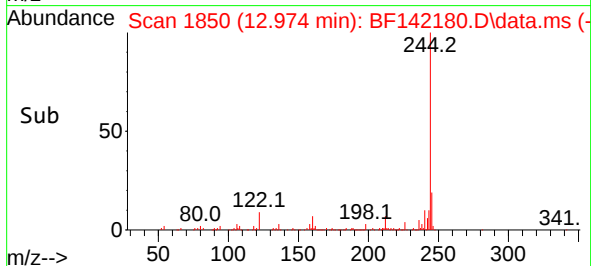
122 8.7 7.7 11.5

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Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#81

Benzo(a)anthracene

Concen: 10.286 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

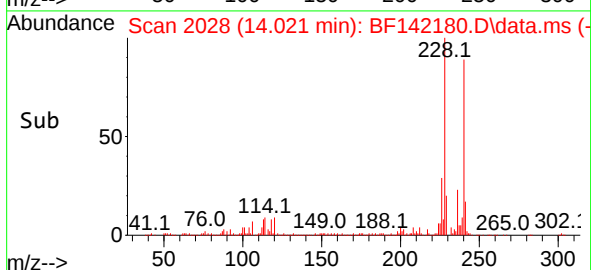
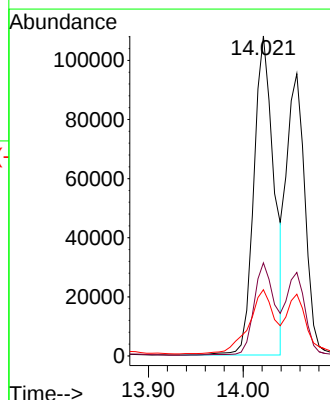
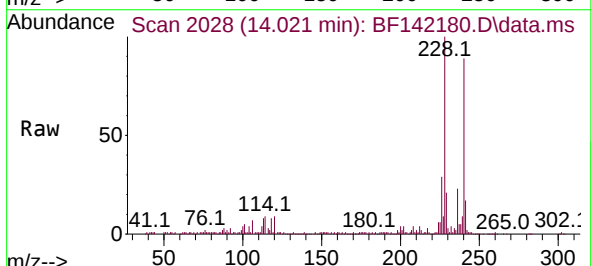
Tgt Ion:228 Resp: 160269

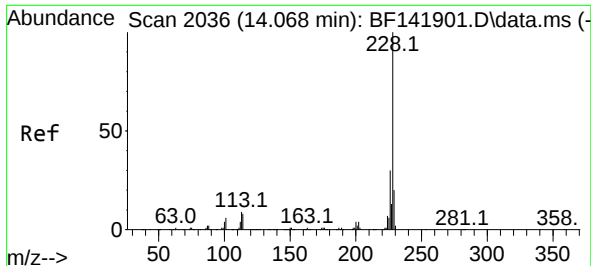
Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.8

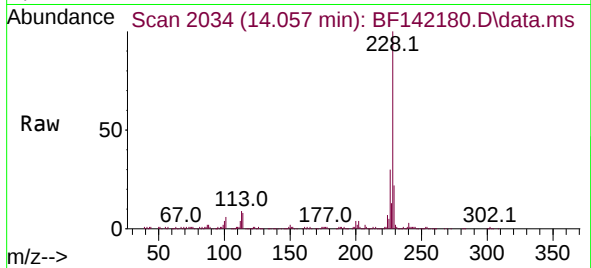
229 20.7 16.0 24.0





#83
Chrysene
Concen: 8.994 ng
RT: 14.057 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

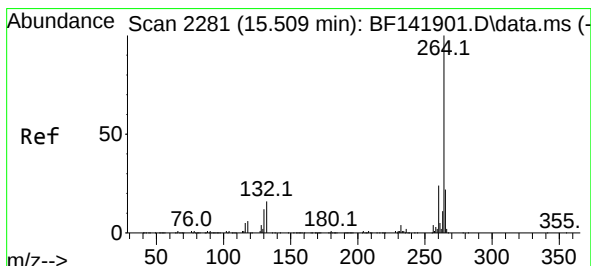
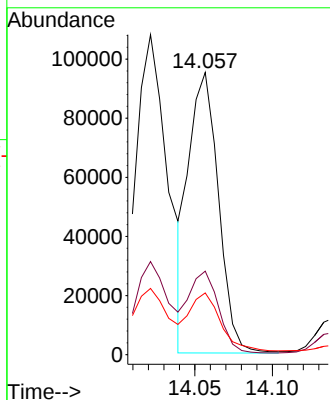
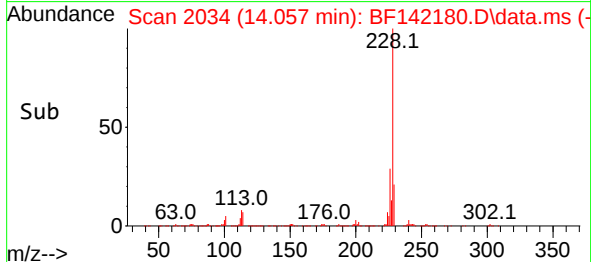
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:228 Resp: 127030
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 21.9 15.7 23.5

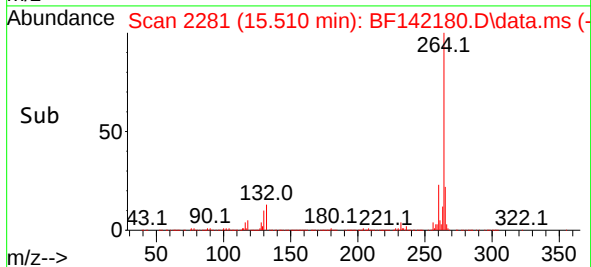
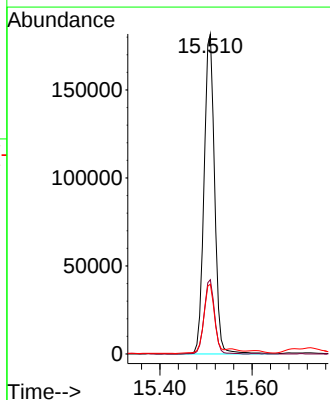
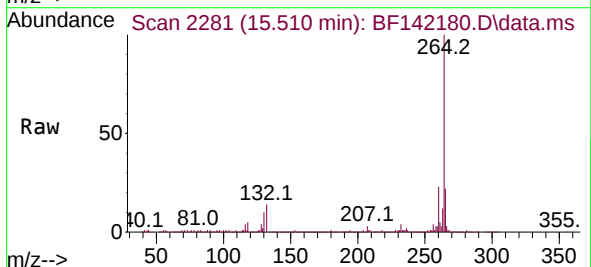
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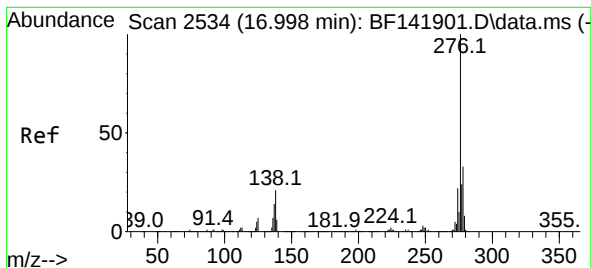
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

Tgt Ion:264 Resp: 291484
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.824 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

Instrument :

BNA_F

ClientSampleId :

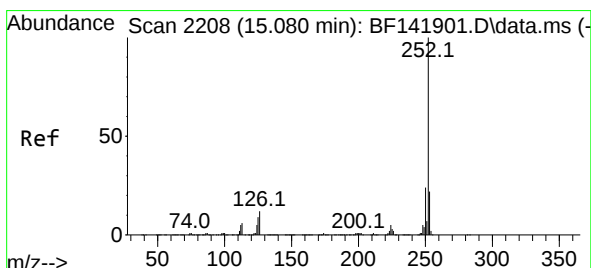
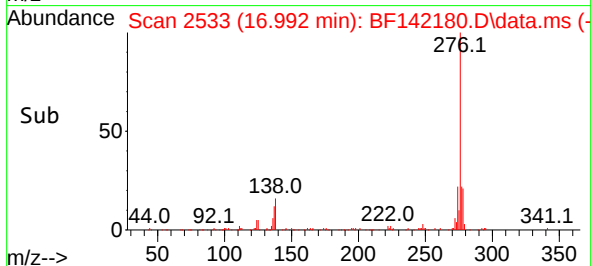
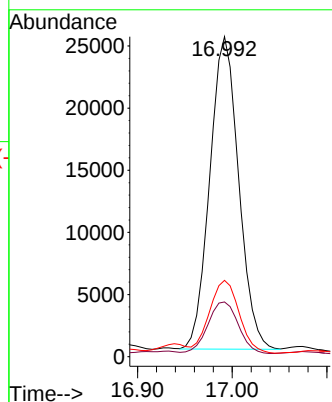
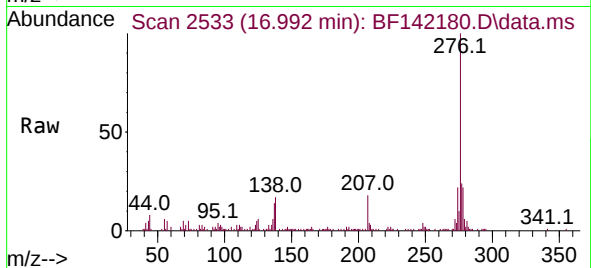
STOCK-PILE-BIN2DL

Tgt Ion:276 Resp: 53250
 Ion Ratio Lower Upper
 276 100
 138 17.4 18.4 27.6
 277 23.9 20.3 30.5

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025



#88

Benzo(b)fluoranthene

Concen: 8.581 ng m

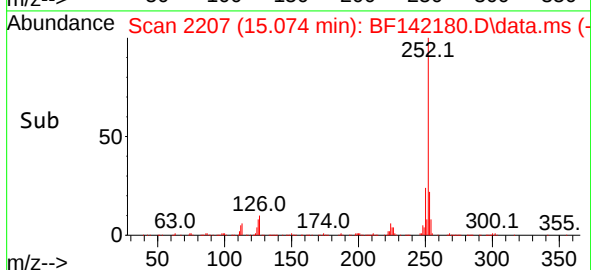
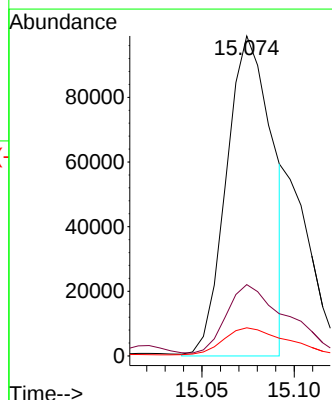
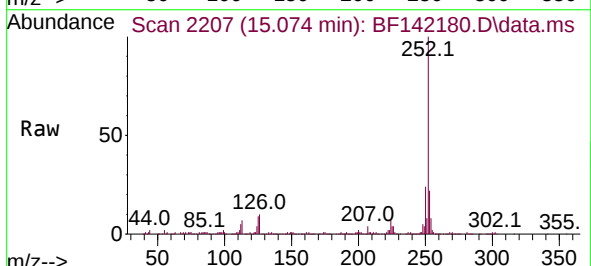
RT: 15.074 min Scan# 2207

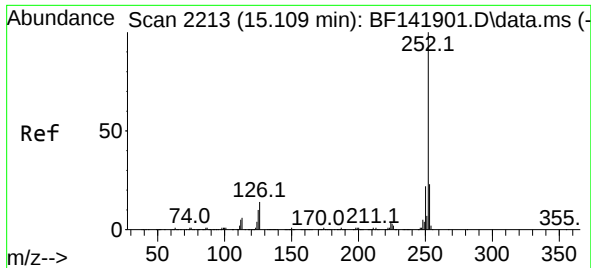
Delta R.T. -0.006 min

Lab File: BF142180.D

Acq: 31 Mar 2025 14:59

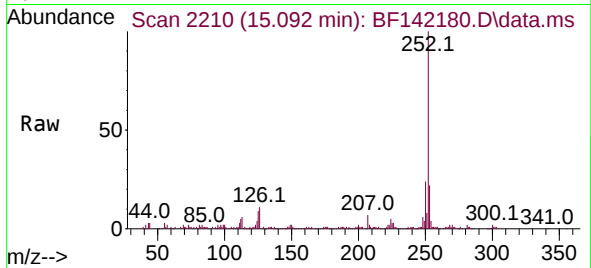
Tgt Ion:252 Resp: 171420
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.5 26.3
 125 8.8 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 3.307 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

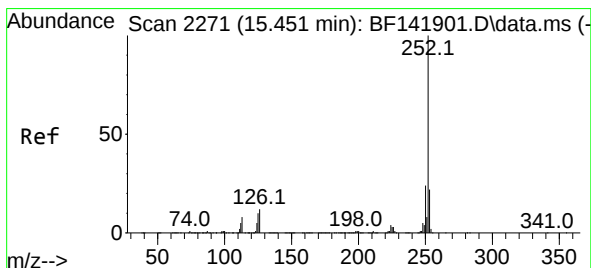
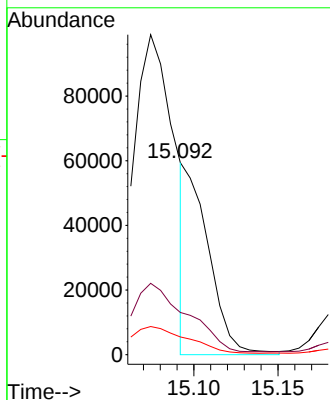
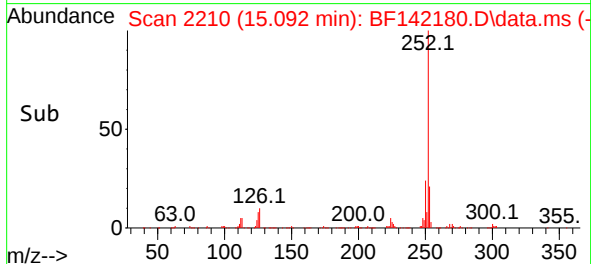
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:252 Resp: 5653
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.3 7.2 10.8

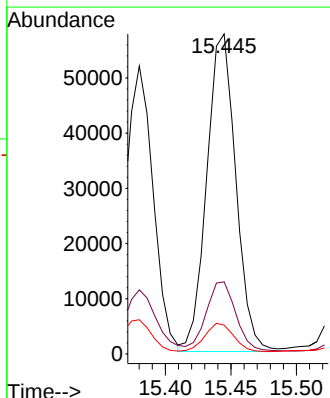
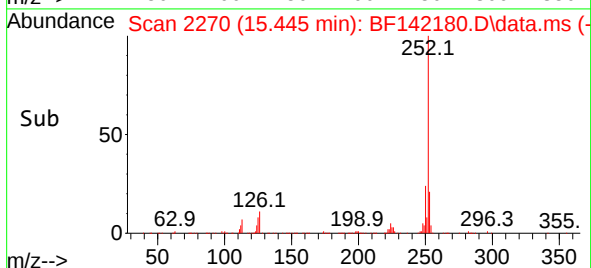
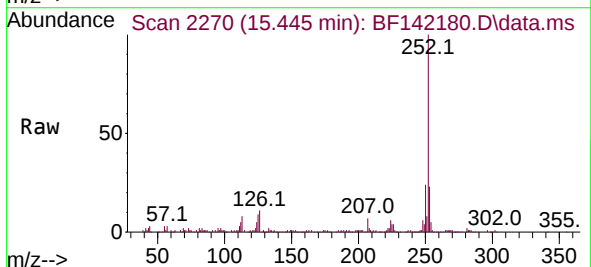
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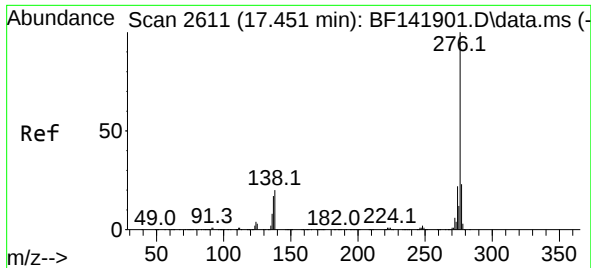
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#90
Benzo(a)pyrene
Concen: 5.692 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF142180.D
Acq: 31 Mar 2025 14:59

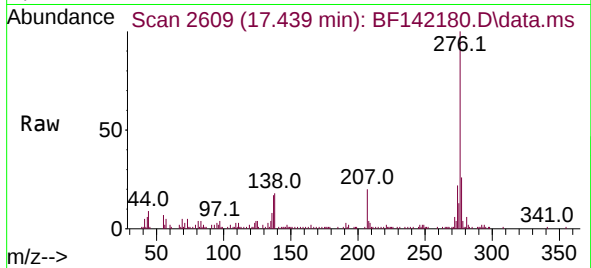
Tgt Ion:252 Resp: 88968
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 9.0 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.375 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF142180.D
 Acq: 31 Mar 2025 14:59

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-BIN2DL



Tgt Ion: 276 Resp: 51889

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.7	28.1
138	18.4	15.8	23.8

Manual Integrations
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Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

