

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137986.D
 Acq On : 21 May 2024 19:14
 Operator : CG\JU
 Sample : P2500-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-112-SB01

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

Quant Time: May 22 01:30:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	147957	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	586152	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	340711	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	556765	20.000	ng	0.00
76) Chrysene-d12	14.227	240	314059	20.000	ng	0.00
86) Perylene-d12	15.786	264	306950	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	793781	91.131	ng	0.00
7) Phenol-d6	6.646	99	1017370	94.818	ng	-0.01
23) Nitrobenzene-d5	7.593	82	645045	64.763	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	311887	90.787	ng	-0.01
45) 2-Fluorobiphenyl	9.392	172	1348517	60.968	ng	0.00
79) Terphenyl-d14	13.163	244	1270230	59.609	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.939	152	56582	2.063	ng	98
71) Phenanthrene	11.598	178	228466	8.327	ng	99
72) Anthracene	11.645	178	69509	2.553	ng	98
75) Fluoranthene	12.792	202	713565	25.623	ng	98
78) Pyrene	13.027	202	665425	24.225	ng	99
81) Benzo(a)anthracene	14.216	228	311504	15.678	ng	93
83) Chrysene	14.251	228	371093	19.529	ng	98
87) Indeno(1,2,3-cd)pyrene	17.404	276	109565	5.556	ng	96
88) Benzo(b)fluoranthene	15.316	252	534477m	30.073	ng	
89) Benzo(k)fluoranthene	15.345	252	148068m	8.480	ng	
90) Benzo(a)pyrene	15.721	252	209153	13.782	ng	97
91) Dibenzo(a,h)anthracene	17.410	278	36101m	2.216	ng	
92) Benzo(g,h,i)perylene	17.898	276	87873	5.134	ng	96

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

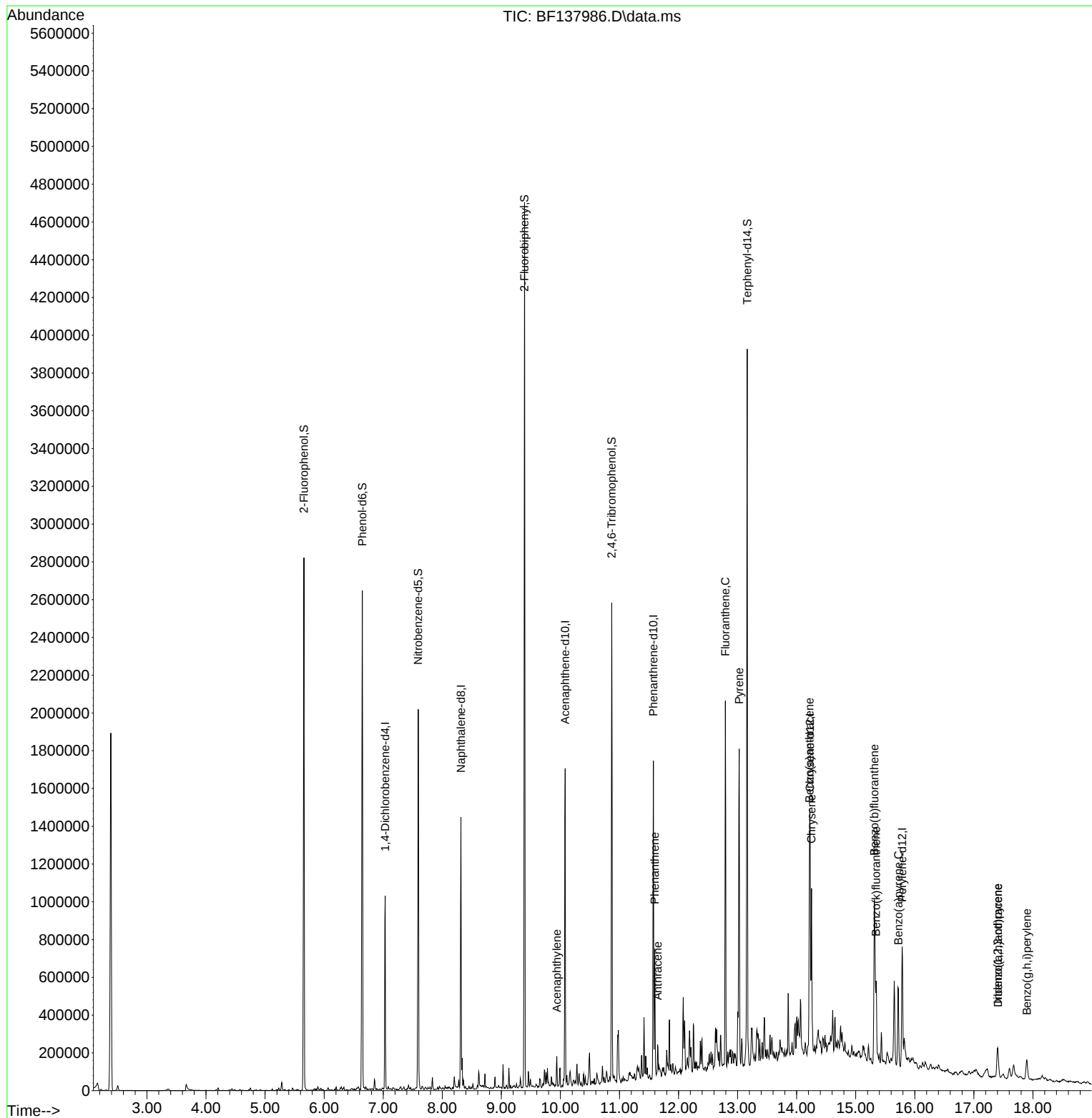
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
Data File : BF137986.D
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ALS Vial : 17 Sample Multiplier: 1

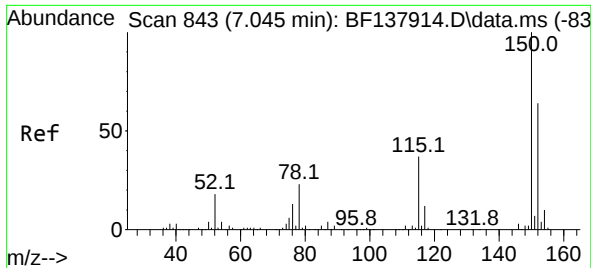
Instrument :
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Quant Time: May 22 01:30:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
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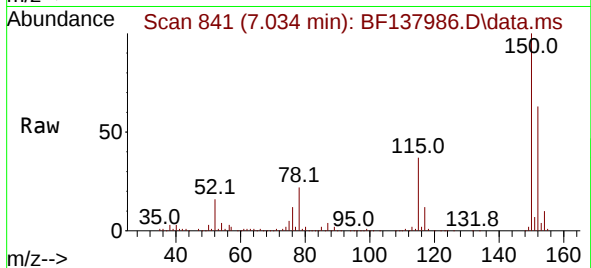
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

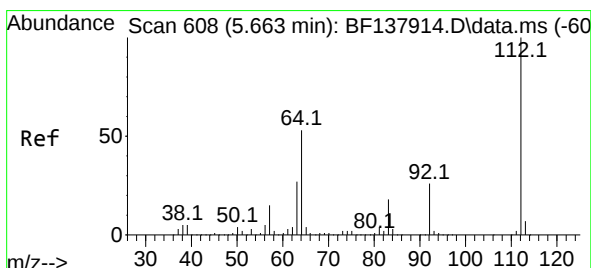
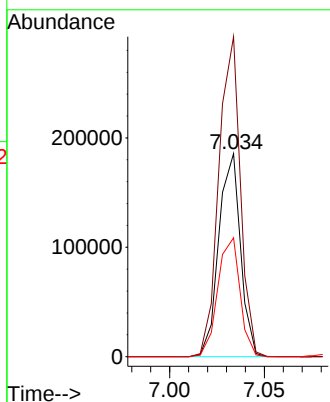
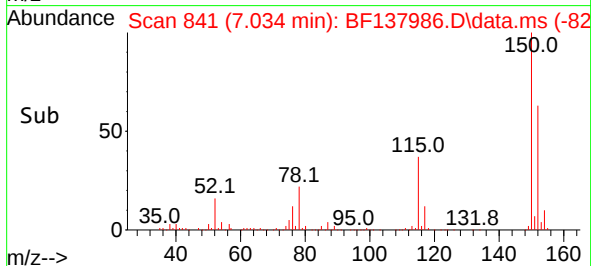
Instrument :
BNA_F
ClientSampleId :
B-112-SB01



Tgt Ion:152 Resp: 14795
Ion Ratio Lower Upper
152 100
150 157.6 125.7 188.5
115 58.6 47.0 70.6

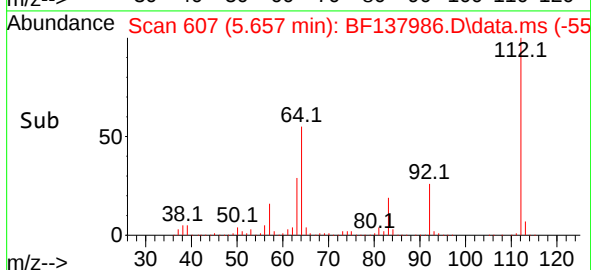
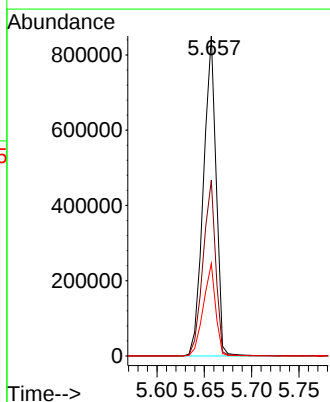
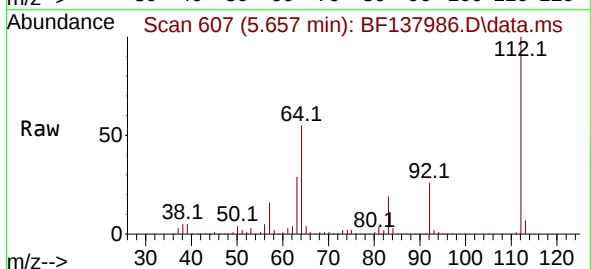
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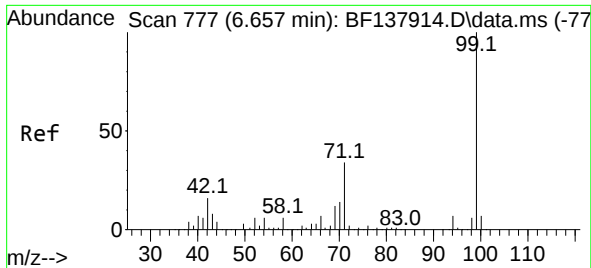
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#5
2-Fluorophenol
Concen: 91.131 ng
RT: 5.657 min Scan# 607
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

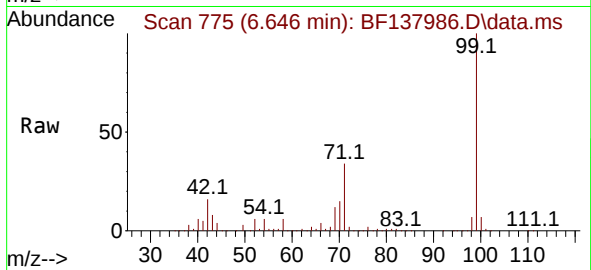
Tgt Ion:112 Resp: 793781
Ion Ratio Lower Upper
112 100
64 54.9 42.4 63.6
63 28.8 21.4 32.2





#7
Phenol-d6
Concen: 94.818 ng
RT: 6.646 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

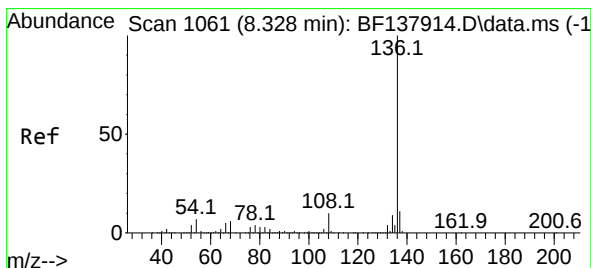
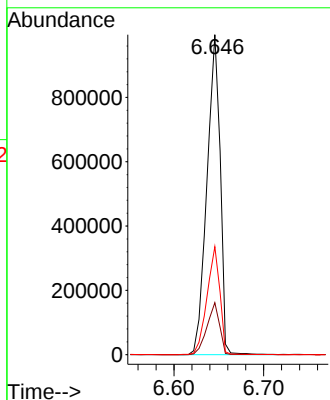
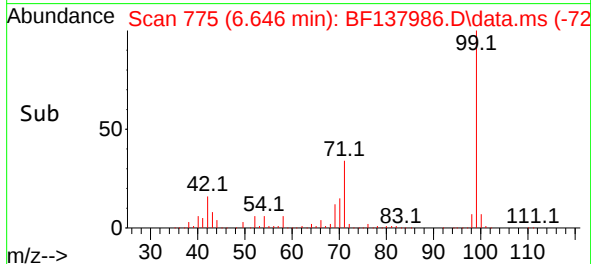
Instrument :
BNA_F
ClientSampleId :
B-112-SB01



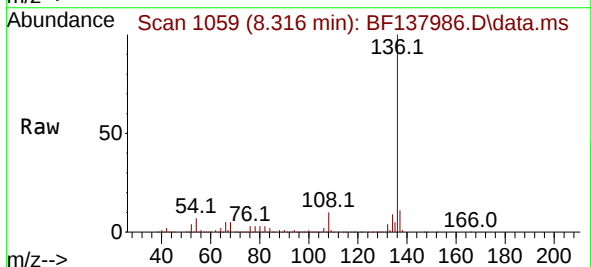
Tgt Ion: 99 Resp: 1017370
Ion Ratio Lower Upper
99 100
42 16.3 12.6 18.8
71 33.7 27.1 40.7

Manual Integrations
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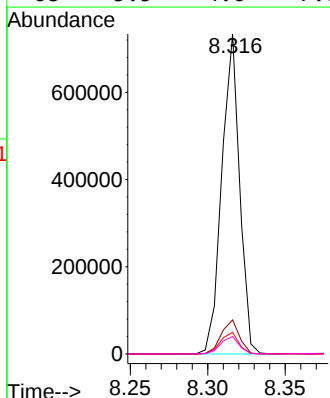
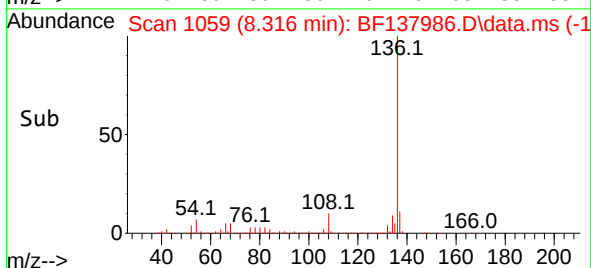
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

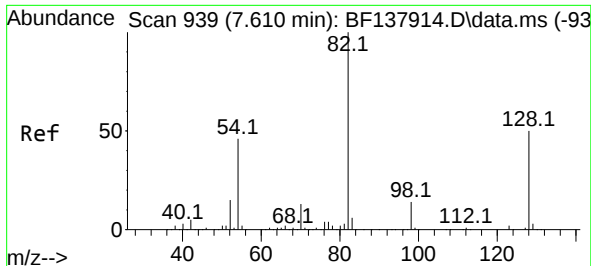


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14



Tgt Ion:136 Resp: 586152
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.8 5.4 8.2
68 5.5 4.6 7.0





#23
Nitrobenzene-d5
Concen: 64.763 ng
RT: 7.593 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

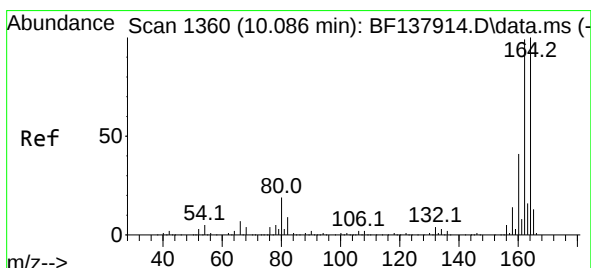
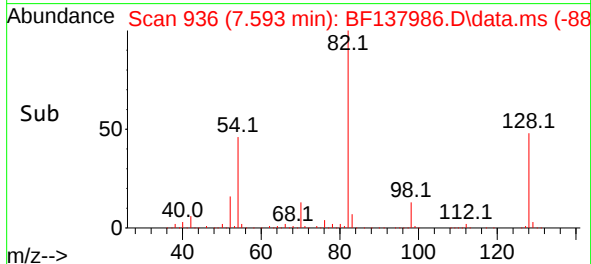
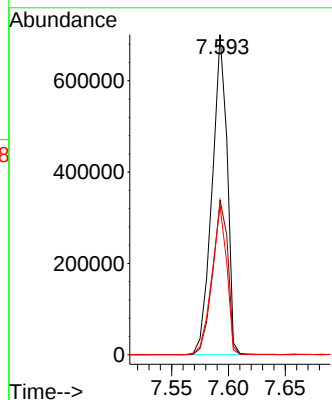
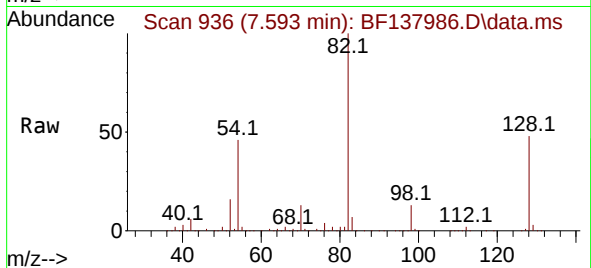
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Tgt Ion: 82 Resp: 64504
Ion Ratio Lower Upper
82 100
128 48.3 40.3 60.5
54 46.5 36.8 55.2

Manual Integrations

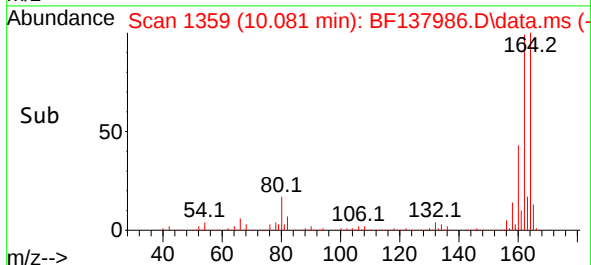
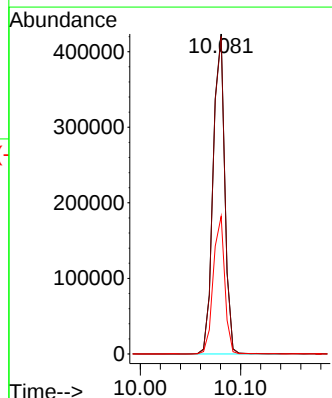
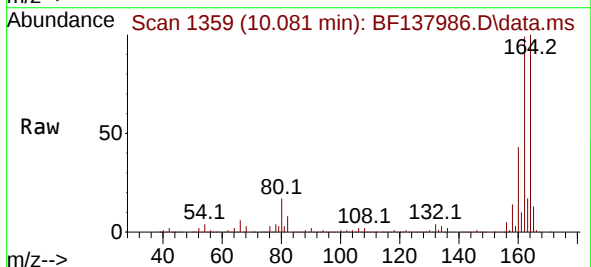
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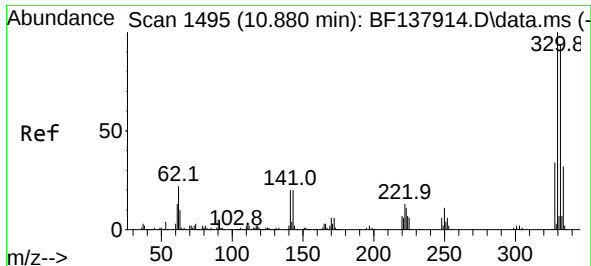
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

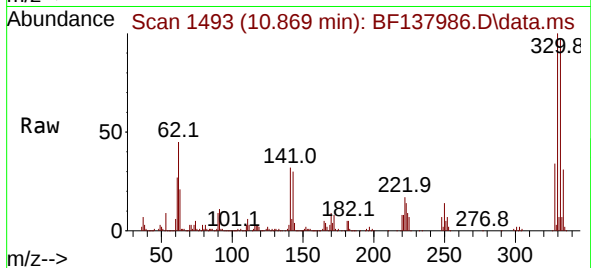
Tgt Ion:164 Resp: 340711
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.2
160 43.0 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 90.787 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

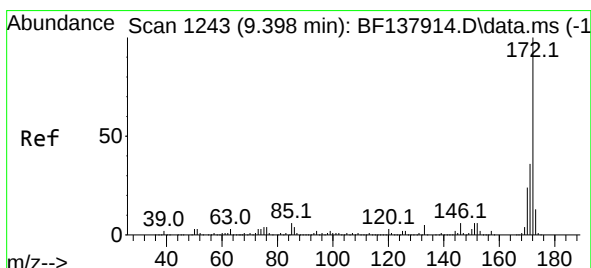
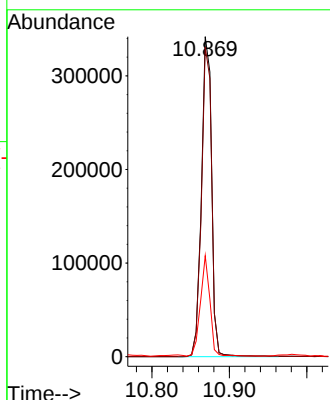
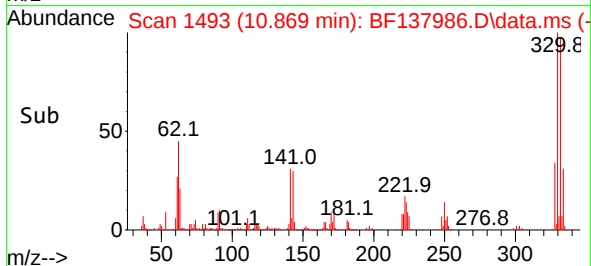
Instrument :
BNA_F
ClientSampleId :
B-112-SB01



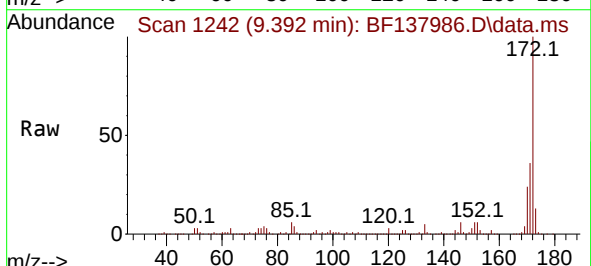
Tgt Ion: 330 Resp: 31188
Ion Ratio Lower Upper
330 100
332 97.1 75.8 113.8
141 29.3 23.8 35.6

Manual Integrations
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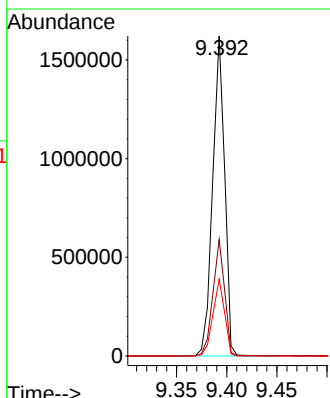
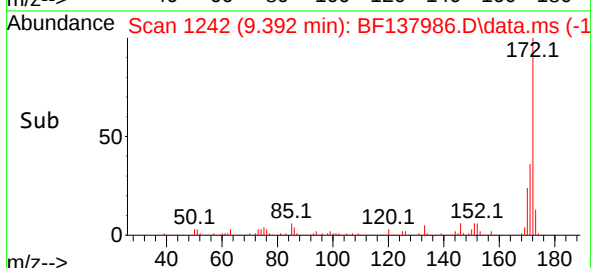
Reviewed By : Jagrut Upadhyay 05/22/2024
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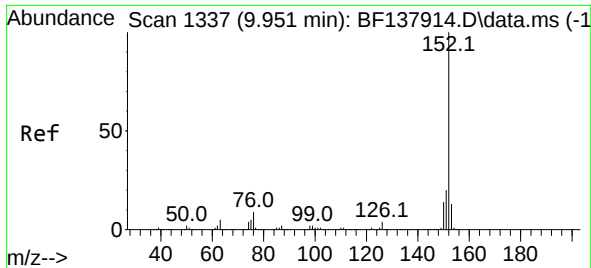


#45
2-Fluorobiphenyl
Concen: 60.968 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14



Tgt Ion: 172 Resp: 1348517
Ion Ratio Lower Upper
172 100
171 36.4 28.9 43.3
170 24.0 18.9 28.3





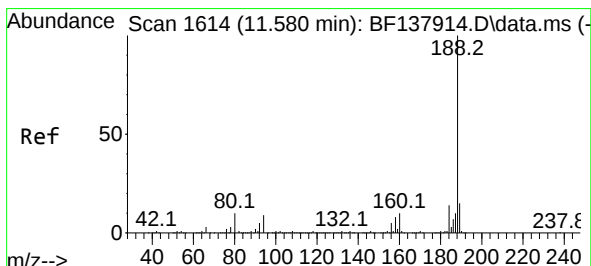
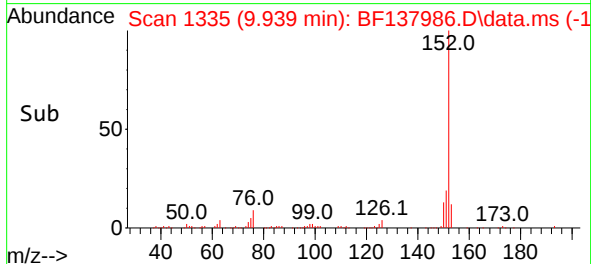
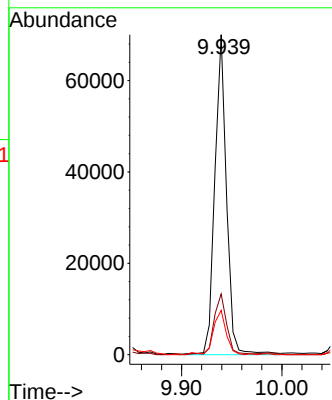
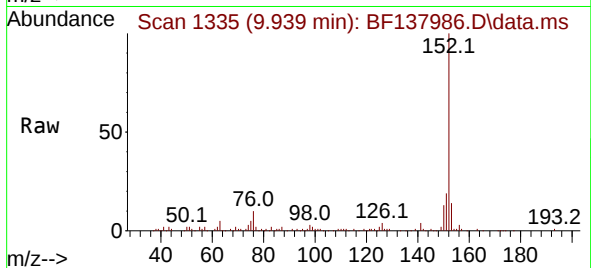
#49
Acenaphthylene
Concen: 2.063 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Instrument :
BNA_F
ClientSampleId :
B-112-SB01

Tgt Ion:152 Resp: 5658
Ion Ratio Lower Upper
152 100
151 19.0 15.8 23.8
153 13.9 10.2 15.4

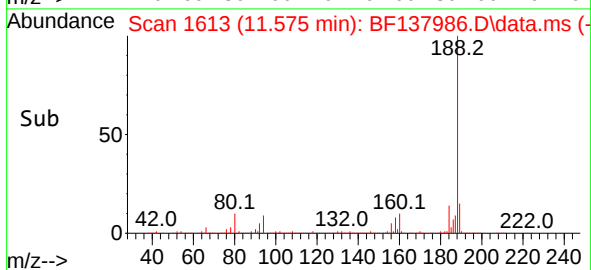
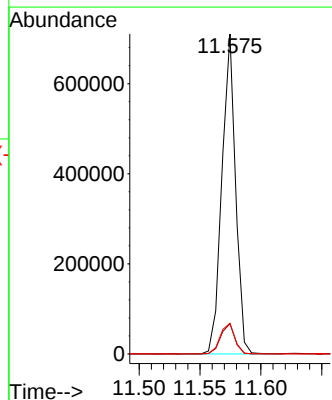
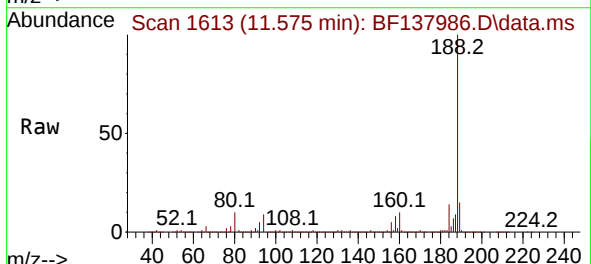
Manual Integrations
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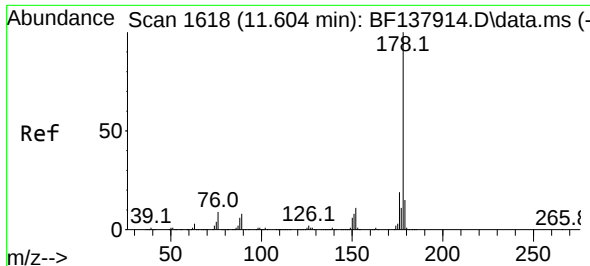
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

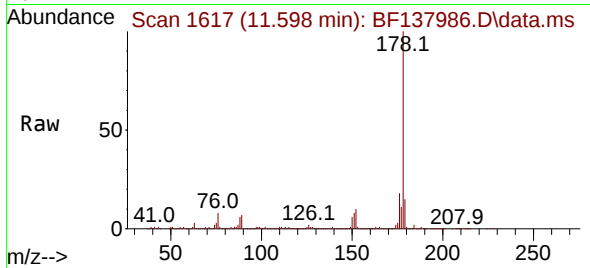
Tgt Ion:188 Resp: 556765
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.4
80 9.6 7.7 11.5





#71
Phenanthrene
Concen: 8.327 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

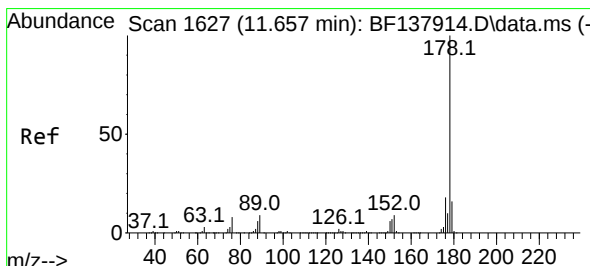
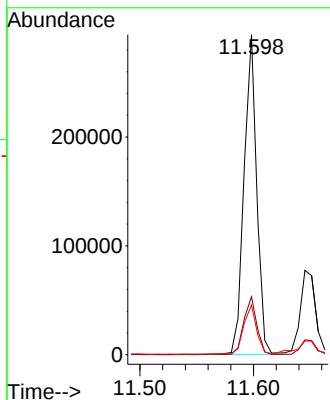
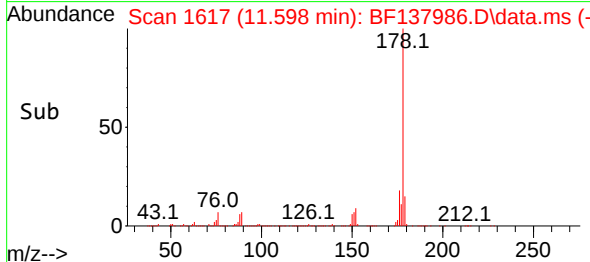
Instrument :
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Tgt Ion:178 Resp: 228460
Ion Ratio Lower Upper
178 100
176 18.1 15.2 22.8
179 15.5 12.2 18.4

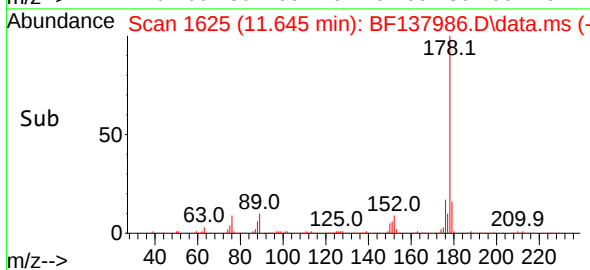
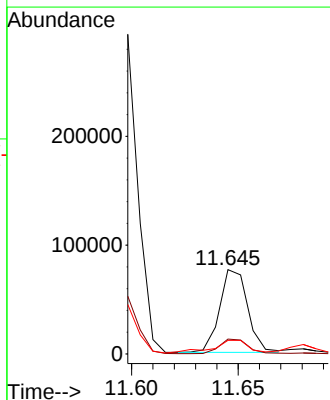
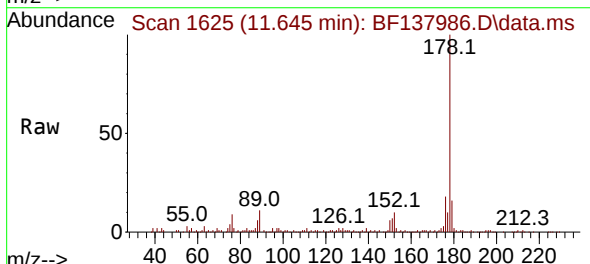
Manual Integrations
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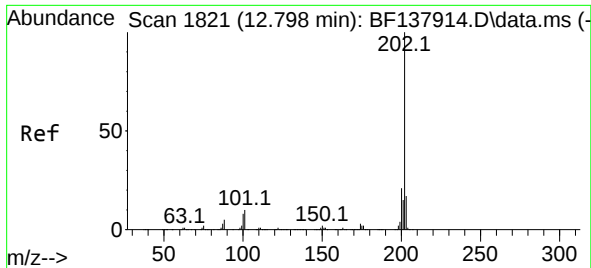
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#72
Anthracene
Concen: 2.553 ng
RT: 11.645 min Scan# 1625
Delta R.T. -0.012 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

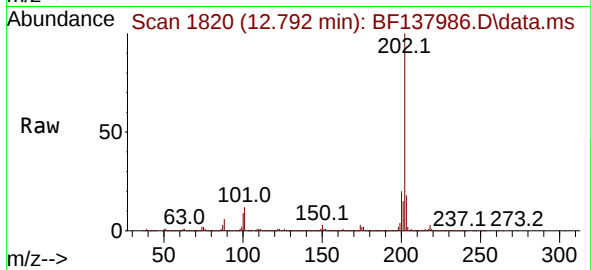
Tgt Ion:178 Resp: 69509
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 16.1 12.4 18.6





#75
Fluoranthene
Concen: 25.623 ng
RT: 12.792 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

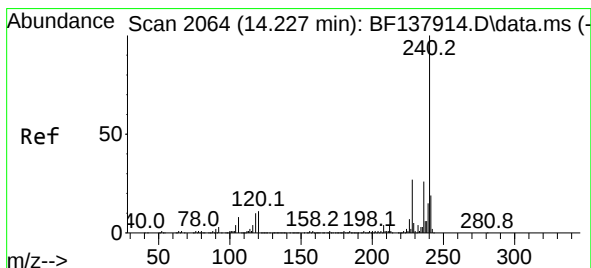
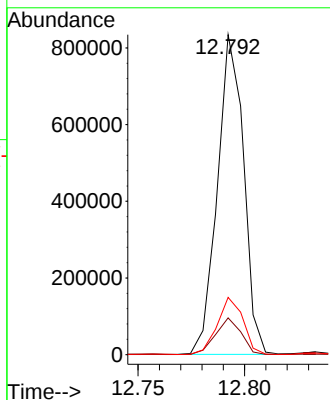
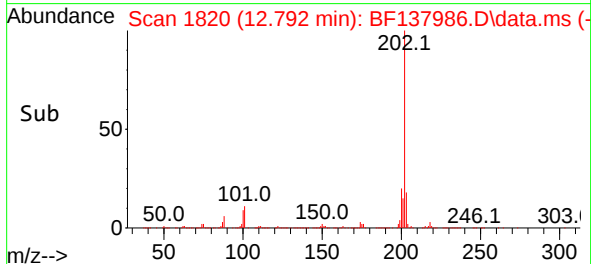
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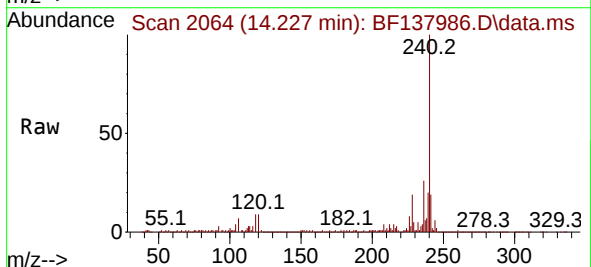
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Ion Ratio Lower Upper
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203 17.9 0.0 37.3

Manual Integrations
APPROVED

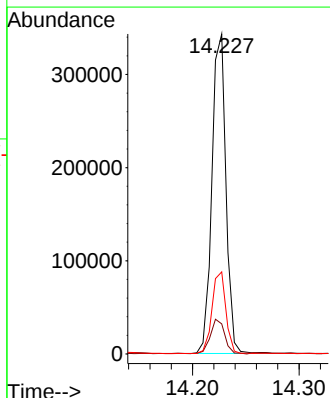
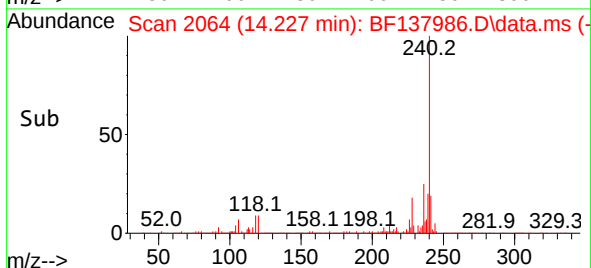
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

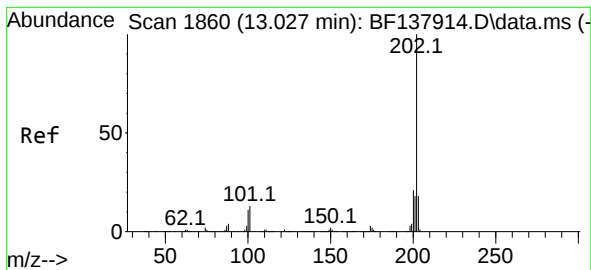


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14



Tgt Ion:240 Resp: 314059
Ion Ratio Lower Upper
240 100
120 9.4 8.9 13.3
236 25.7 21.0 31.4





#78

Pyrene

Concen: 24.225 ng

RT: 13.027 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

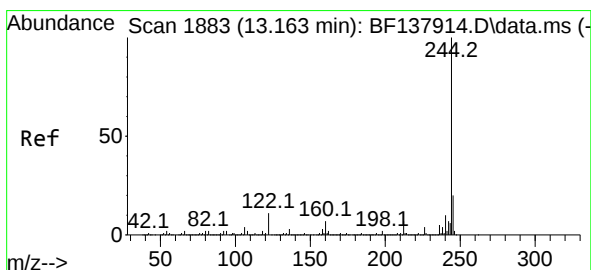
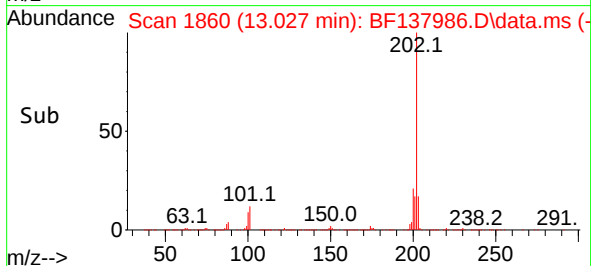
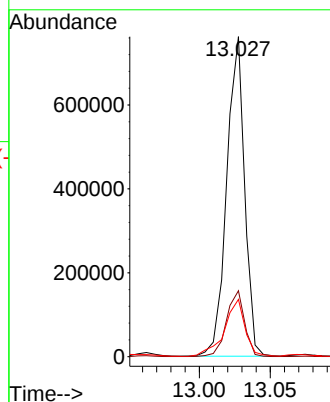
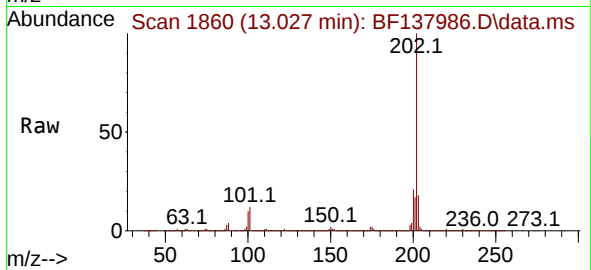
B-112-SB01

Tgt Ion:202 Resp: 665429
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.4
 203 17.9 14.1 21.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024



#79

Terphenyl-d14

Concen: 59.609 ng

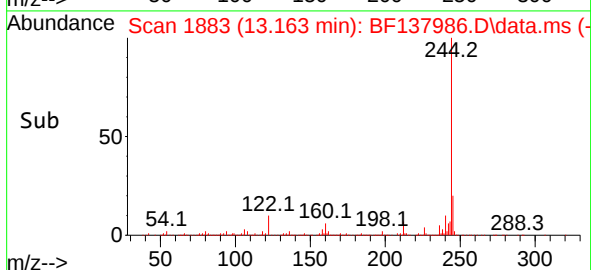
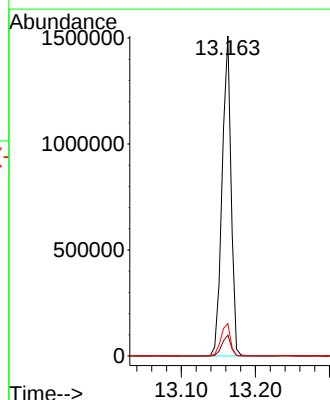
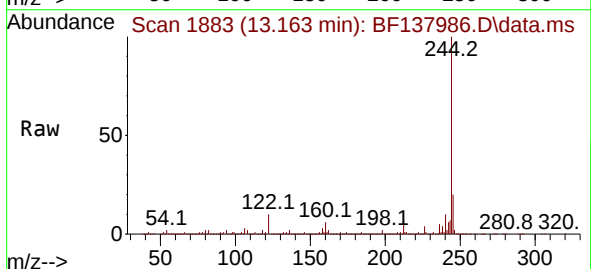
RT: 13.163 min Scan# 1883

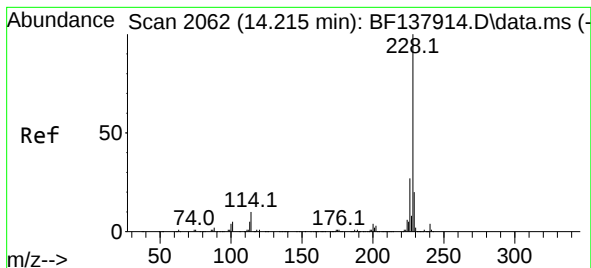
Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Tgt Ion:244 Resp: 1270230
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 15.678 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

B-112-SB01

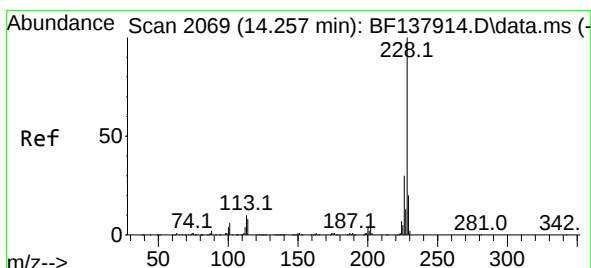
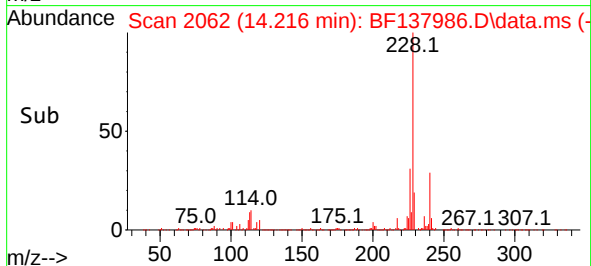
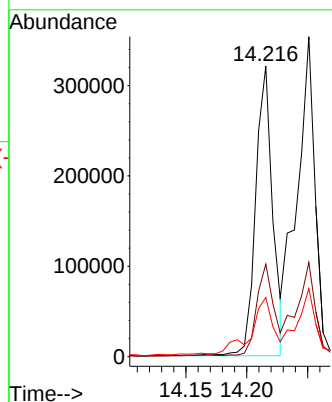
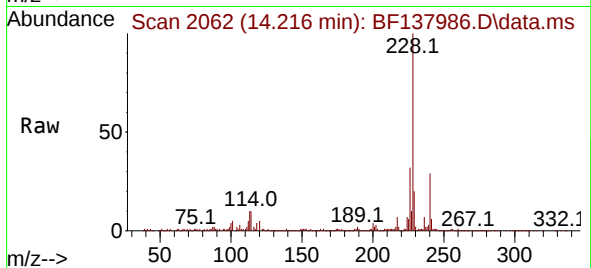
Tgt Ion:228 Resp: 311504

Ion	Ratio	Lower	Upper
228	100		
226	31.8	21.3	31.9
229	20.3	15.7	23.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#83

Chrysene

Concen: 19.529 ng

RT: 14.251 min Scan# 2068

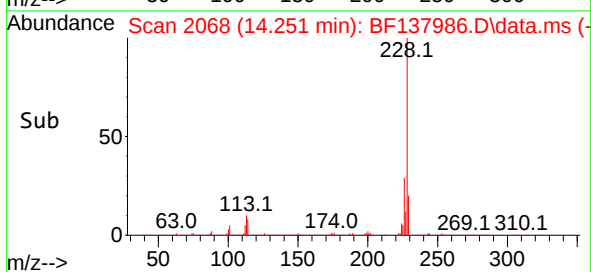
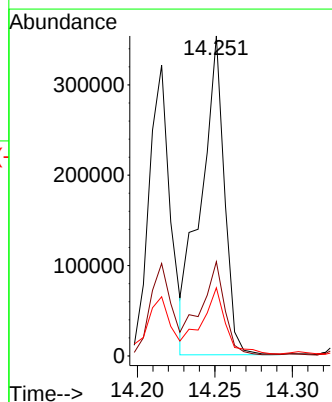
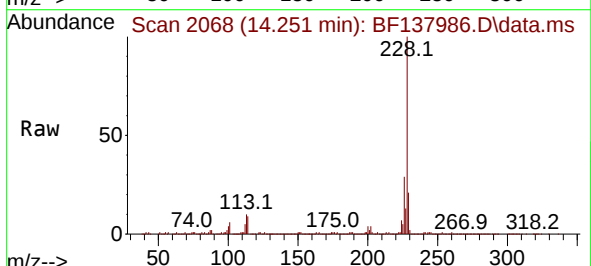
Delta R.T. -0.006 min

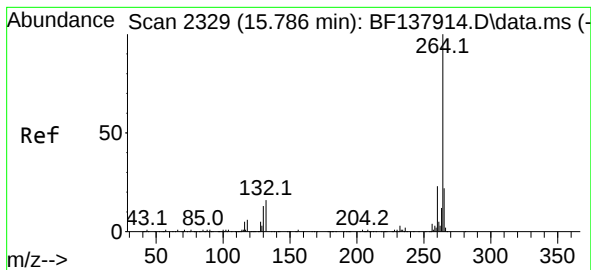
Lab File: BF137986.D

Acq: 21 May 2024 19:14

Tgt Ion:228 Resp: 371093

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.8
229	21.3	15.6	23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.786 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

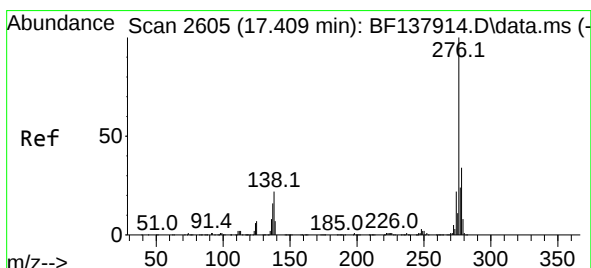
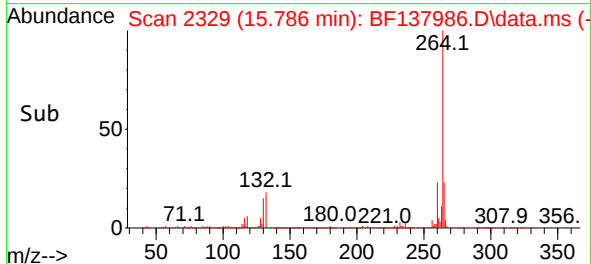
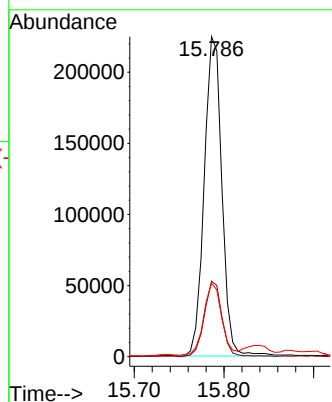
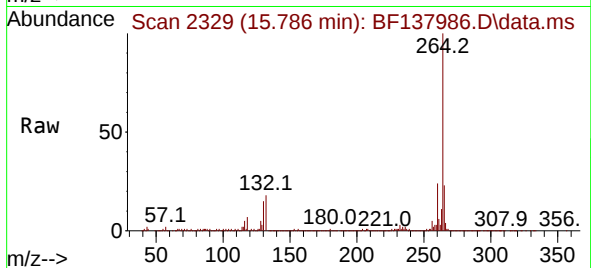
B-112-SB01

Tgt Ion:264 Resp: 306950
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 23.0 17.6 26.4

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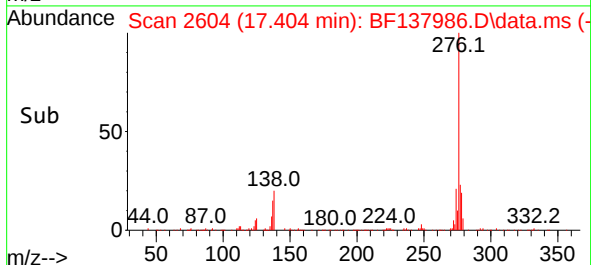
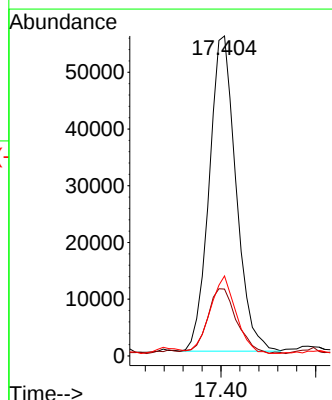
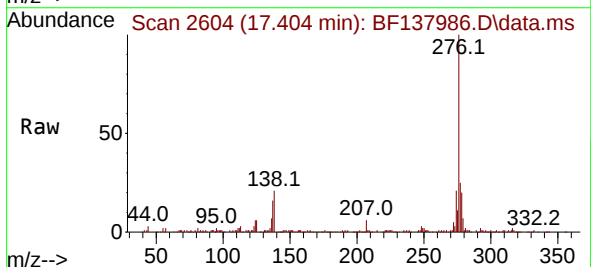
APPROVED

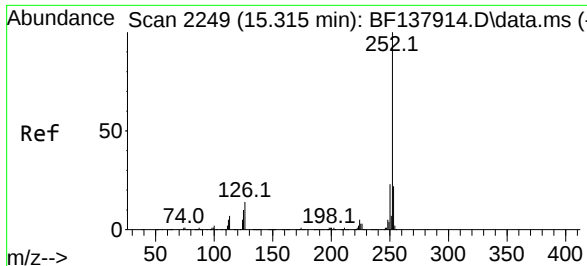
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.556 ng
RT: 17.404 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

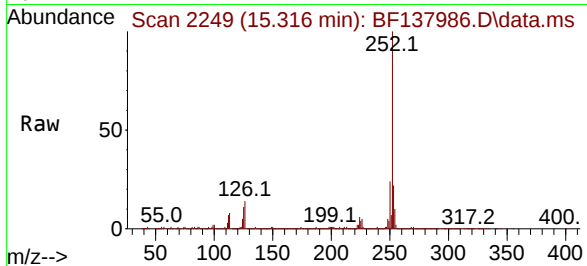
Tgt Ion:276 Resp: 109565
Ion Ratio Lower Upper
276 100
138 22.7 20.6 30.8
277 23.8 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 30.073 ng m
RT: 15.316 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

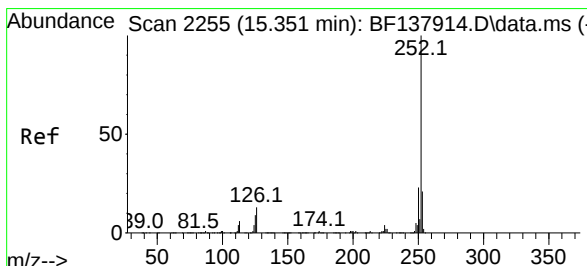
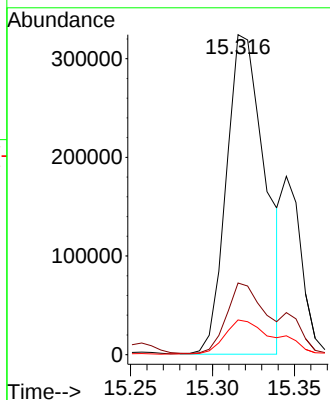
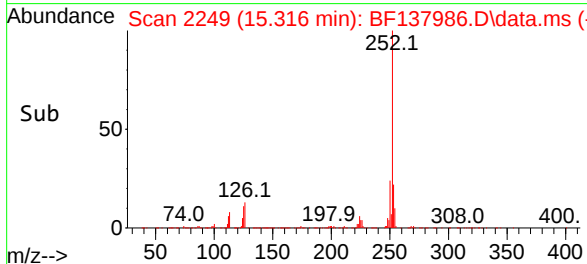
Instrument :
BNA_F
ClientSampleId :
B-112-SB01



Tgt Ion:252 Resp: 53447
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 10.9 8.2 12.4

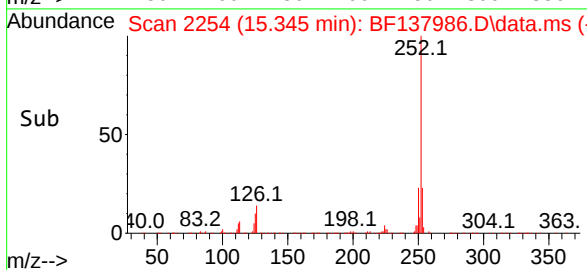
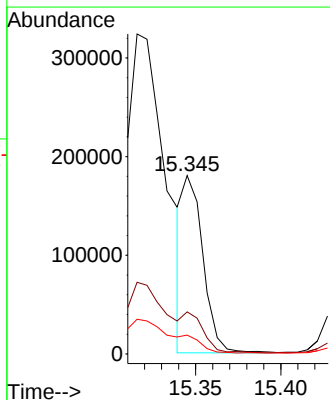
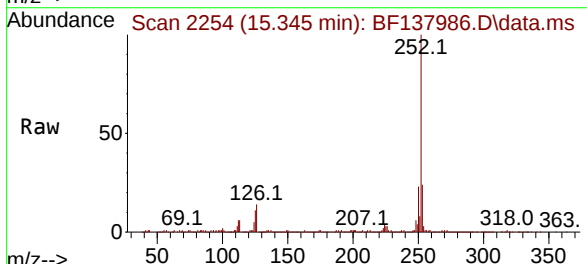
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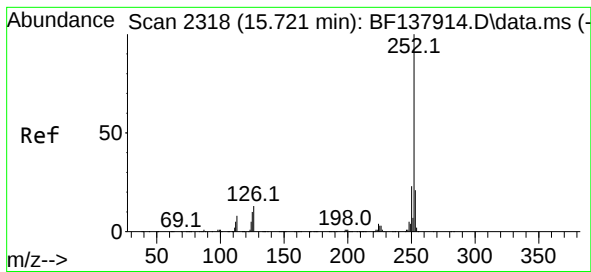
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#89
Benzo(k)fluoranthene
Concen: 8.480 ng m
RT: 15.345 min Scan# 2254
Delta R.T. -0.006 min
Lab File: BF137986.D
Acq: 21 May 2024 19:14

Tgt Ion:252 Resp: 148068
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 10.6 7.7 11.5





#90

Benzo(a)pyrene

Concen: 13.782 ng

RT: 15.721 min Scan# 2318

Delta R.T. 0.000 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

Instrument :

BNA_F

ClientSampleId :

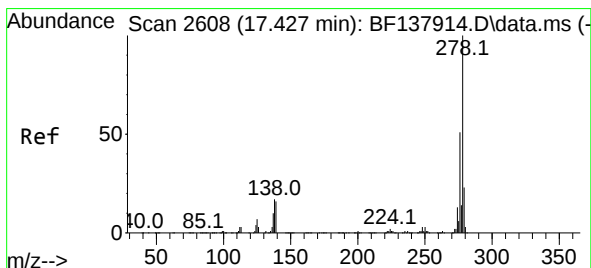
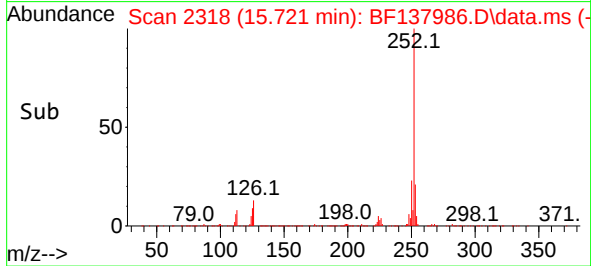
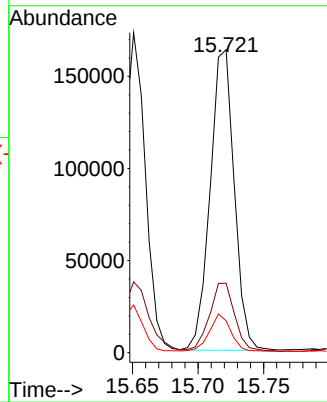
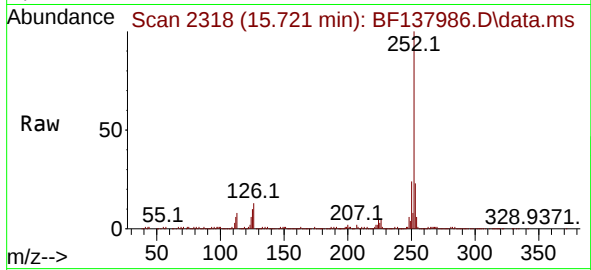
B-112-SB01

Tgt Ion:	252	Resp:	20915
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	10.5	7.8	11.8

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Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.216 ng m

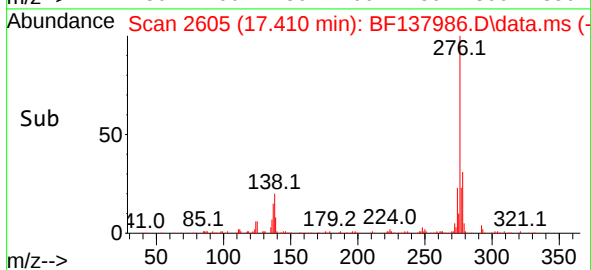
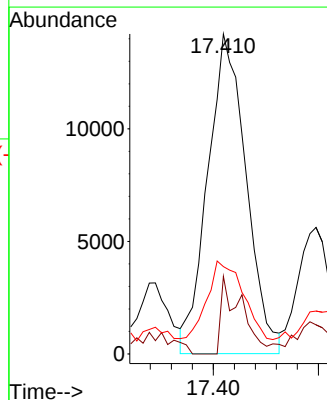
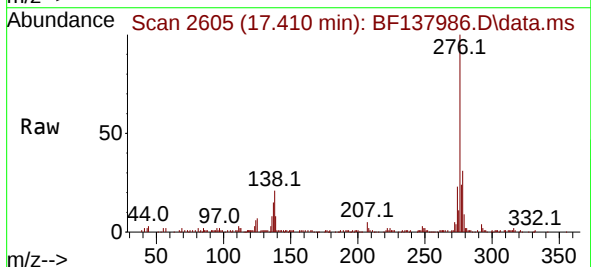
RT: 17.410 min Scan# 2605

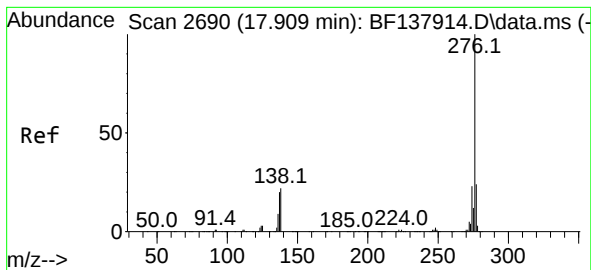
Delta R.T. -0.017 min

Lab File: BF137986.D

Acq: 21 May 2024 19:14

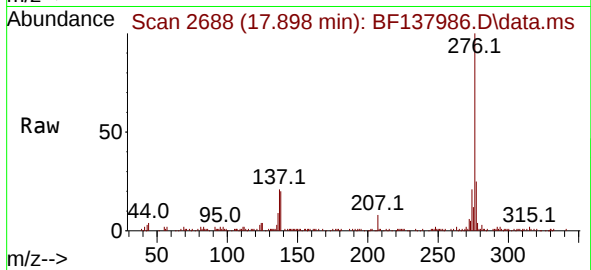
Tgt Ion:	278	Resp:	36101
Ion Ratio	Lower	Upper	
278	100		
139	24.3	13.1	19.7#
279	27.3	18.5	27.7





#92
 Benzo(g,h,i)perylene
 Concen: 5.134 ng
 RT: 17.898 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF137986.D
 Acq: 21 May 2024 19:14

Instrument :
 BNA_F
 ClientSampleId :
 B-112-SB01



Tgt Ion: 276 Resp: 8787

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	20.2	17.6	26.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

