

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137985.D
 Acq On : 21 May 2024 18:44
 Operator : CG\JU
 Sample : P2512-01DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPJDL

Manual Integrations
 APPROVED

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

Quant Time: May 22 01:29:31 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	158950	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	627796	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	352222	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	569102	20.000	ng	0.00
76) Chrysene-d12	14.228	240	318995	20.000	ng	0.00
86) Perylene-d12	15.792	264	323225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	316732	33.848	ng	-0.02
7) Phenol-d6	6.640	99	395467	34.308	ng	-0.02
23) Nitrobenzene-d5	7.587	82	229484	21.512	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	100300	28.242	ng	-0.01
45) 2-Fluorobiphenyl	9.387	172	543037	23.749	ng	-0.01
79) Terphenyl-d14	13.157	244	477402	22.057	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.110	154	56170	2.997	ng	98
58) Fluorene	10.628	166	51285	2.377	ng	94
71) Phenanthrene	11.598	178	903374	32.212	ng	99
72) Anthracene	11.651	178	226025	8.123	ng	99
75) Fluoranthene	12.798	202	1332560	46.812	ng	99
78) Pyrene	13.028	202	1311806	47.017	ng	99
81) Benzo(a)anthracene	14.216	228	662707	32.837	ng	97
83) Chrysene	14.251	228	592276	30.686	ng	97
87) Indeno(1,2,3-cd)pyrene	17.404	276	241540	11.631	ng	95
88) Benzo(b)fluoranthene	15.322	252	738098m	39.439	ng	
89) Benzo(k)fluoranthene	15.345	252	235097m	12.787	ng	
90) Benzo(a)pyrene	15.722	252	520105	32.546	ng	97
91) Dibenzo(a,h)anthracene	17.416	278	67813m	3.952	ng	
92) Benzo(g,h,i)perylene	17.904	276	219779	12.194	ng	99

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

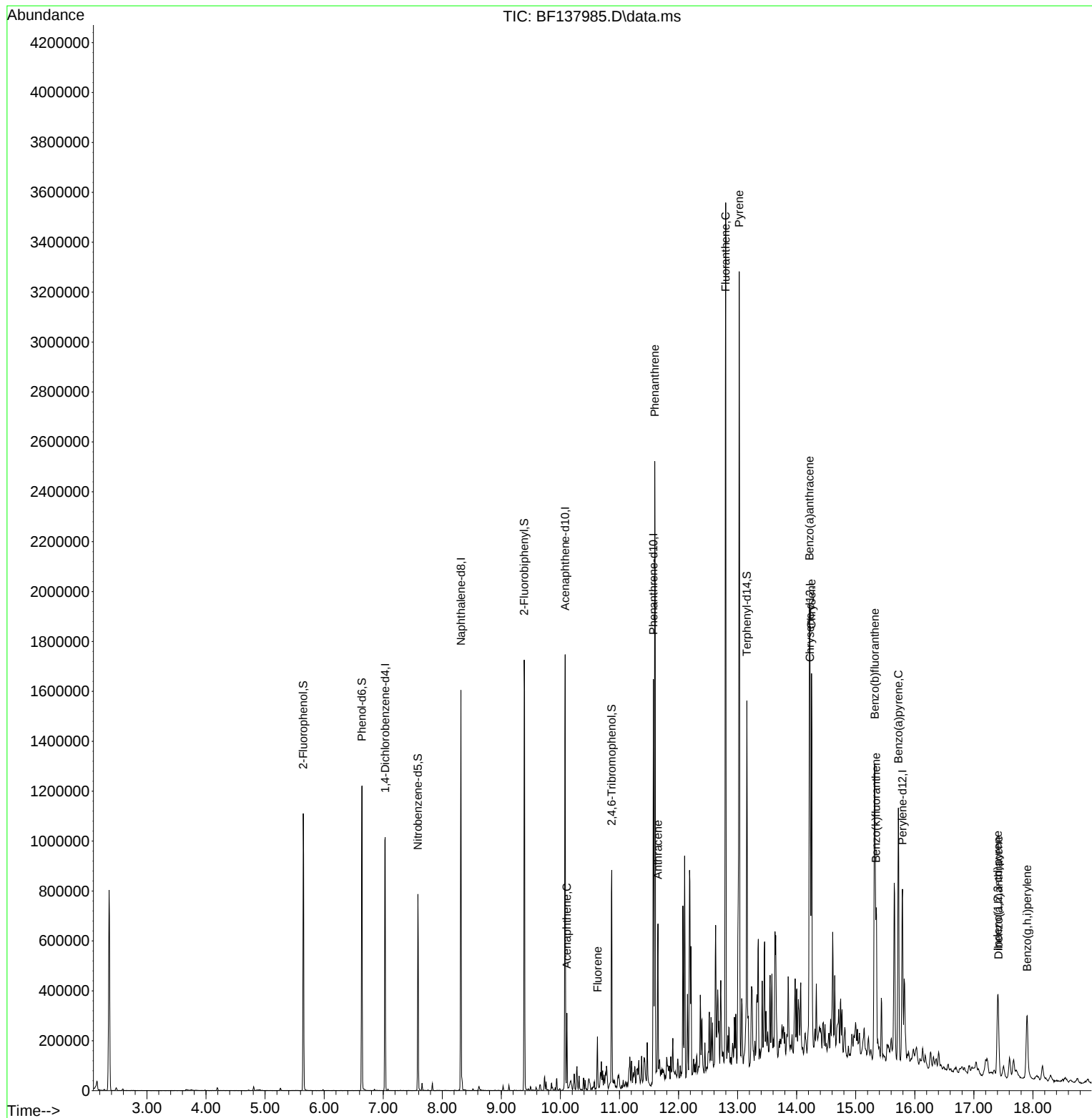
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
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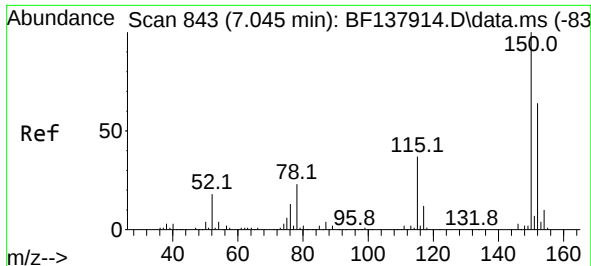
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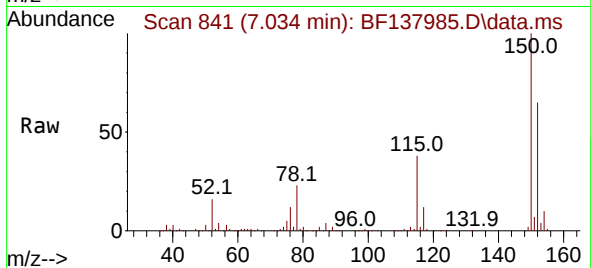
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

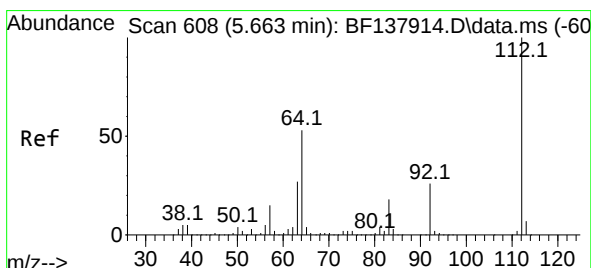
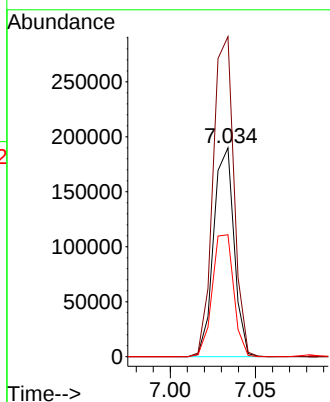
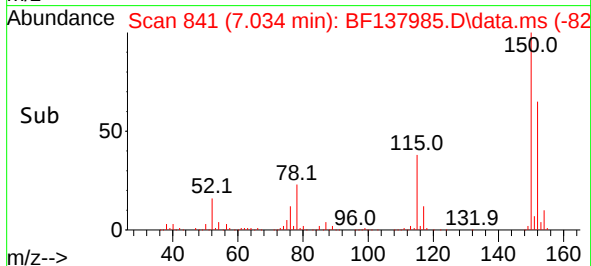


Tgt Ion:152 Resp: 158950
Ion Ratio Lower Upper
152 100
150 153.3 125.7 188.5
115 58.4 47.0 70.6

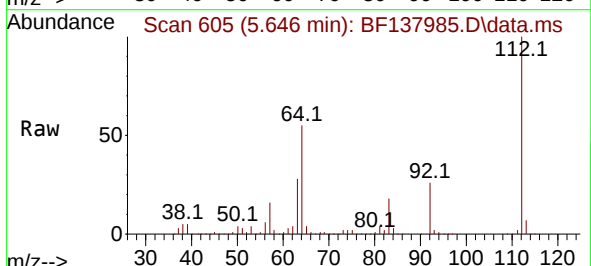
Manual Integrations

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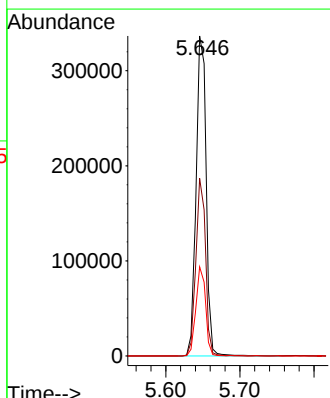
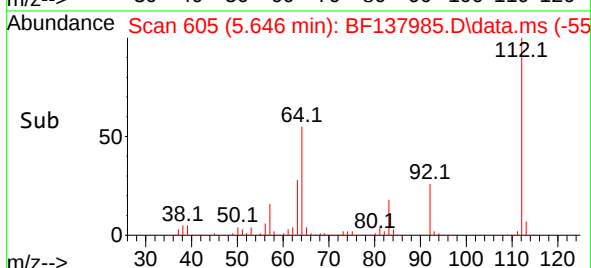
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

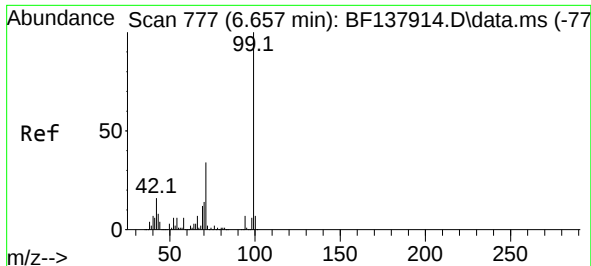


#5
2-Fluorophenol
Concen: 33.848 ng
RT: 5.646 min Scan# 605
Delta R.T. -0.017 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44



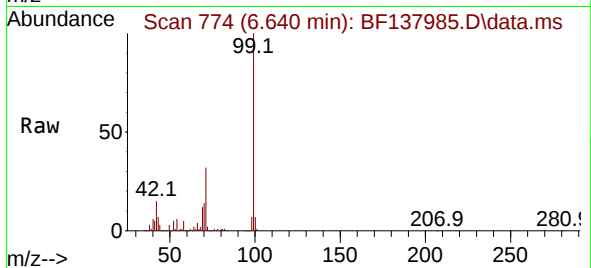
Tgt Ion:112 Resp: 316732
Ion Ratio Lower Upper
112 100
64 55.5 42.4 63.6
63 27.9 21.4 32.2





#7
Phenol-d6
Concen: 34.308 ng
RT: 6.640 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

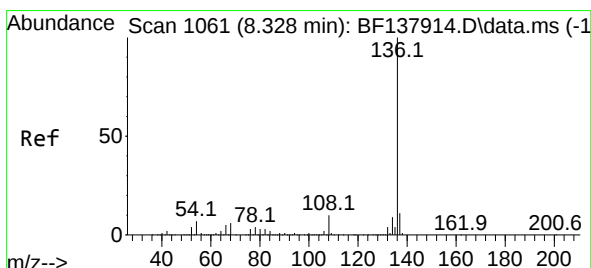
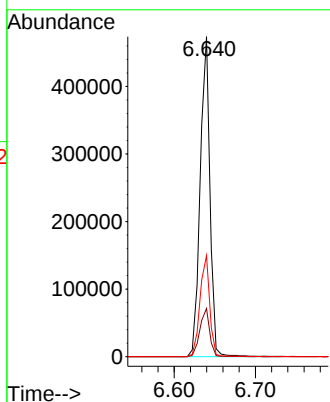
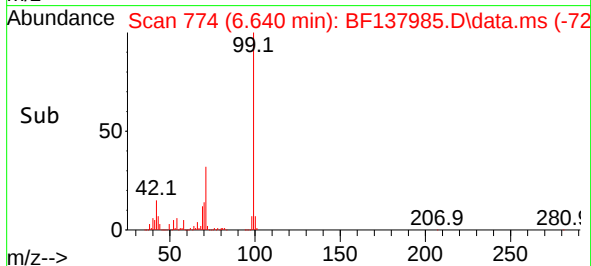
Instrument :
BNA_F
ClientSampleId :
WCS-TPJDL



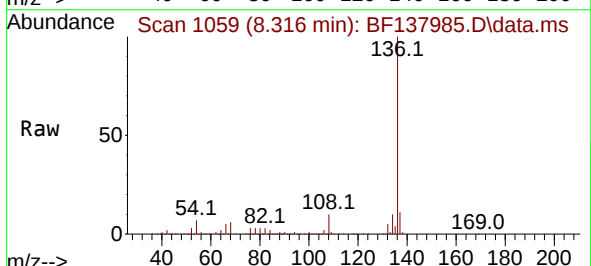
Tgt Ion: 99 Resp: 39546
Ion Ratio Lower Upper
99 100
42 15.1 12.6 18.8
71 31.6 27.1 40.7

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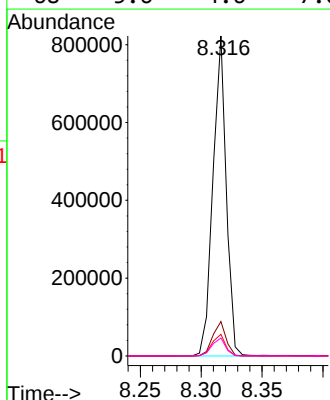
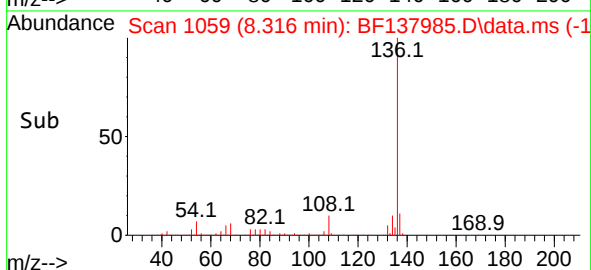
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44



Tgt Ion:136 Resp: 627796
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 6.8 5.4 8.2
68 5.6 4.6 7.0





#23

Nitrobenzene-d5

Concen: 21.512 ng

RT: 7.587 min Scan# 91

Delta R.T. -0.023 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

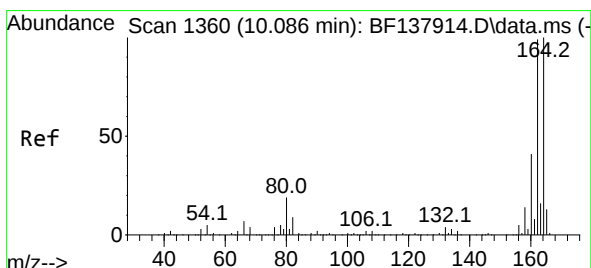
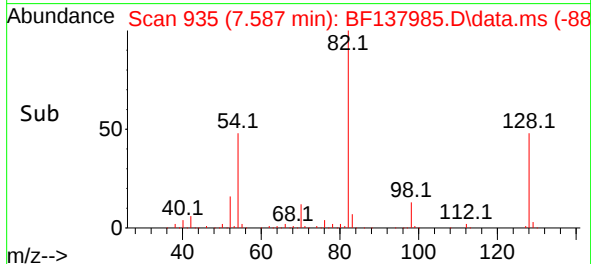
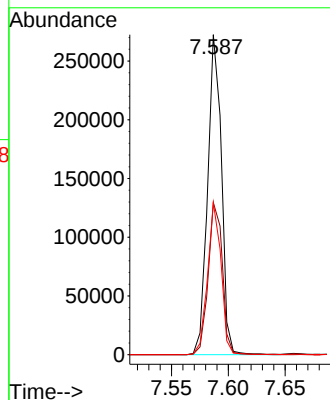
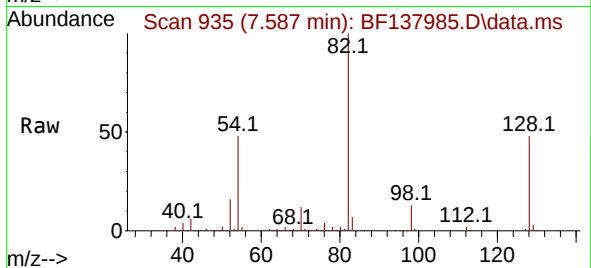
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Tgt Ion: 82 Resp: 229484
 Ion Ratio Lower Upper
 82 100
 128 47.5 40.3 60.5
 54 47.5 36.8 55.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

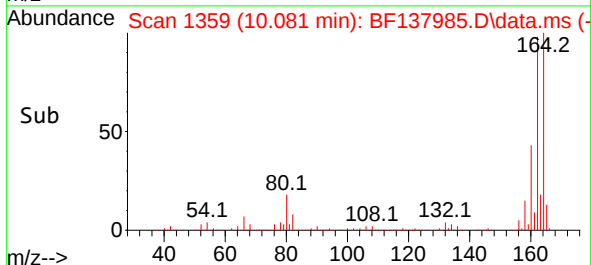
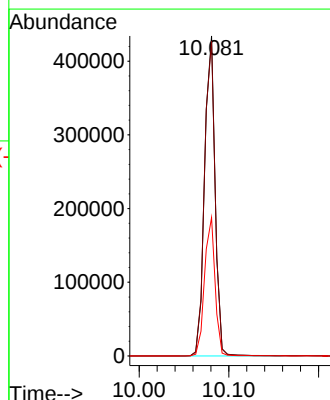
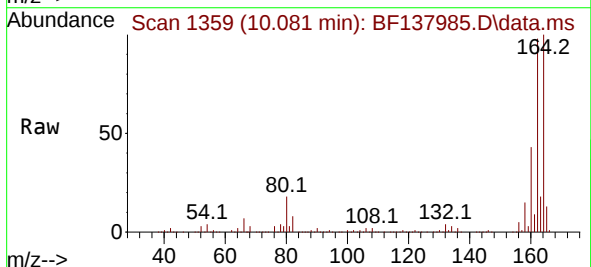
RT: 10.081 min Scan# 1359

Delta R.T. -0.005 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Tgt Ion:164 Resp: 352222
 Ion Ratio Lower Upper
 164 100
 162 98.3 79.4 119.2
 160 43.3 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 28.242 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

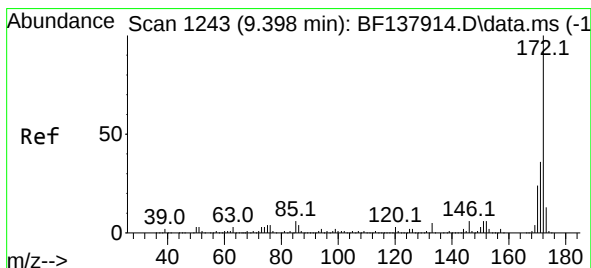
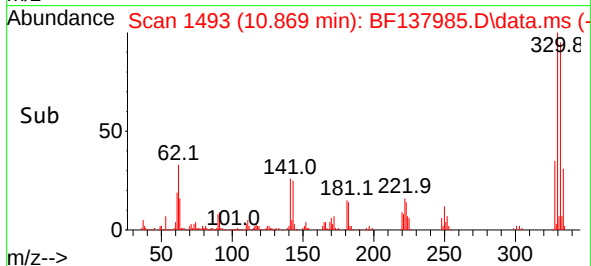
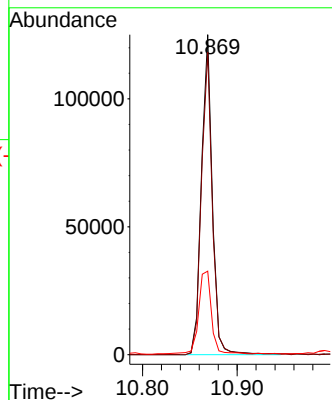
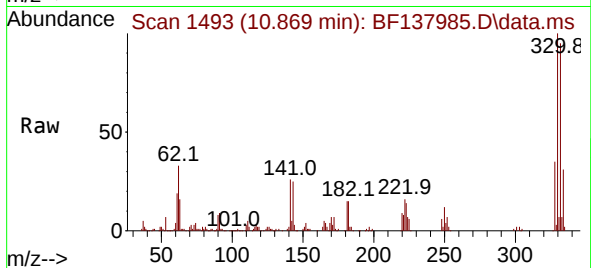
WCS-TPJDL

Tgt Ion:330 Resp: 100300
Ion Ratio Lower Upper
330 100
332 95.3 75.8 113.8
141 31.0 23.8 35.6

Manual Integrations

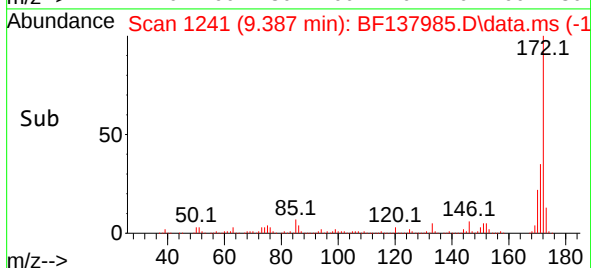
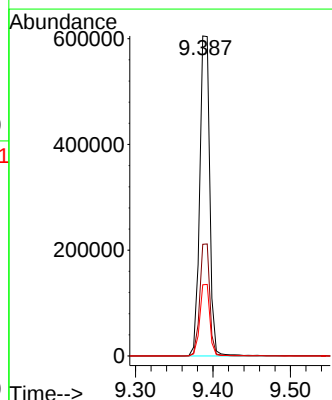
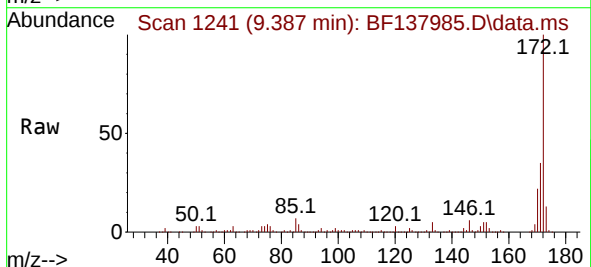
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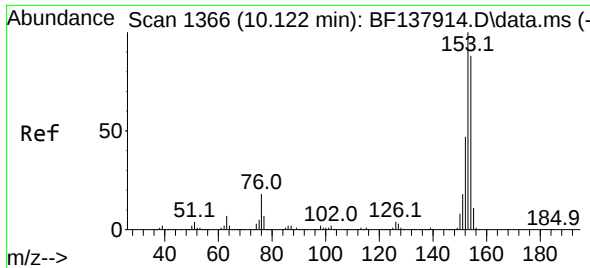
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#45
2-Fluorobiphenyl
Concen: 23.749 ng
RT: 9.387 min Scan# 1241
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

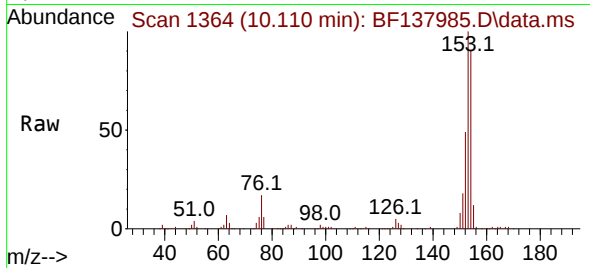
Tgt Ion:172 Resp: 543037
Ion Ratio Lower Upper
172 100
171 34.9 28.9 43.3
170 22.3 18.9 28.3





#52
Acenaphthene
Concen: 2.997 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

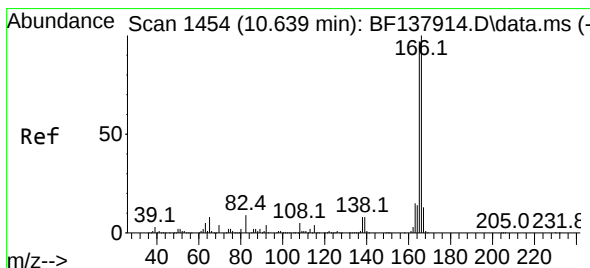
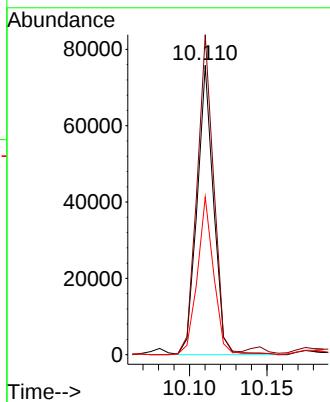
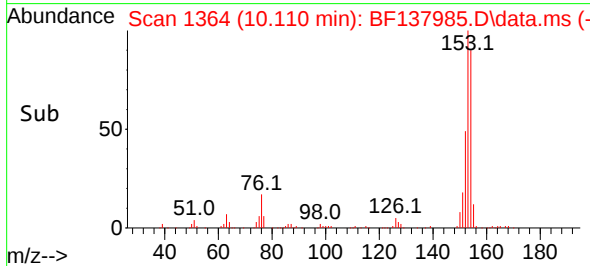
Instrument :
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WCS-TPJDL



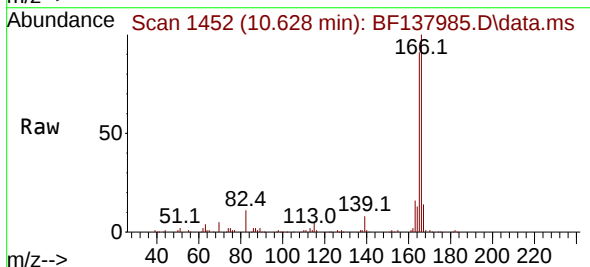
Tgt Ion:154 Resp: 56170
Ion Ratio Lower Upper
154 100
153 110.6 90.4 135.6
152 54.5 42.3 63.5

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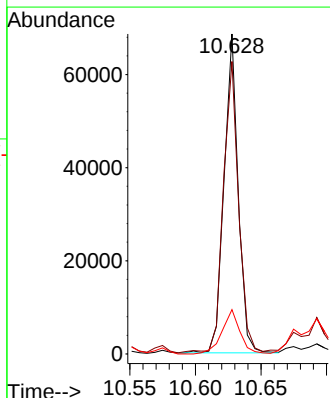
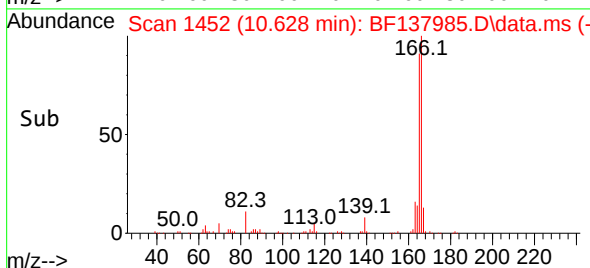
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

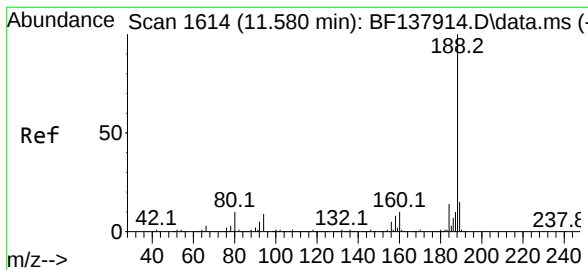


#58
Fluorene
Concen: 2.377 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44



Tgt Ion:166 Resp: 51285
Ion Ratio Lower Upper
166 100
165 91.4 77.8 116.8
167 13.8 10.4 15.6





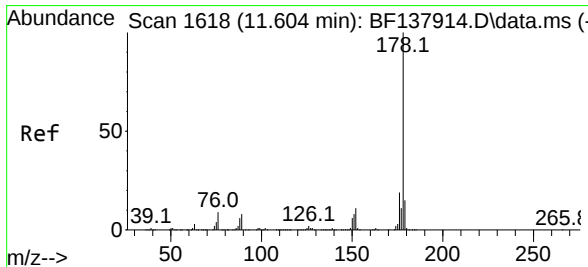
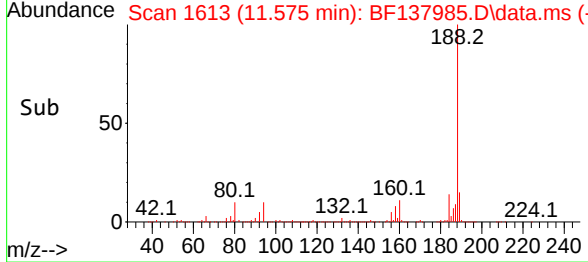
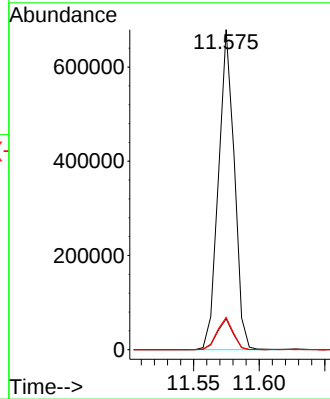
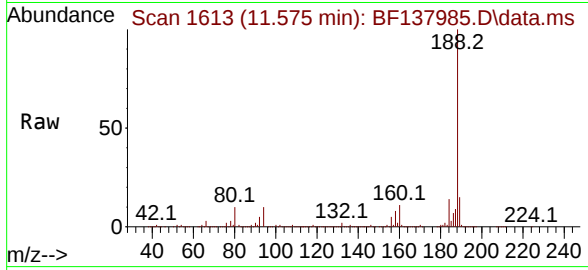
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :
BNA_F
ClientSampleId :
WCS-TPJDL

Tgt Ion:188 Resp: 56910
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.4
80 10.1 7.7 11.5

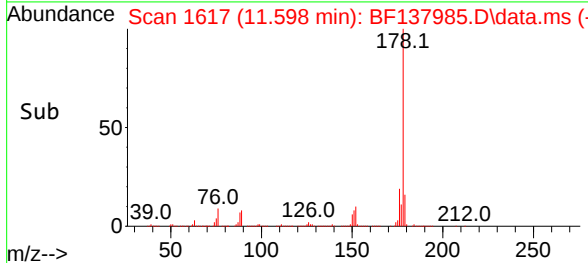
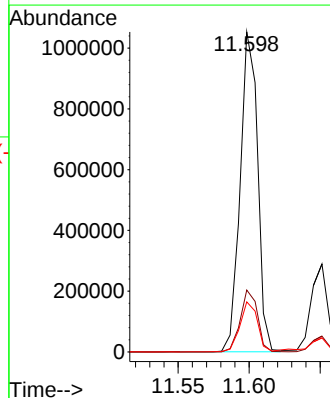
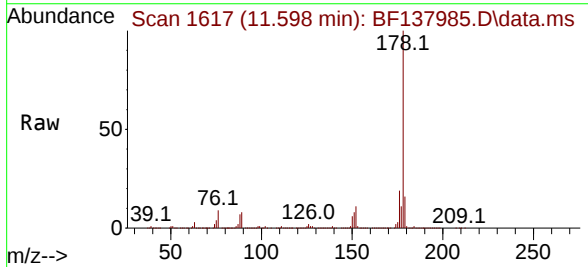
Manual Integrations
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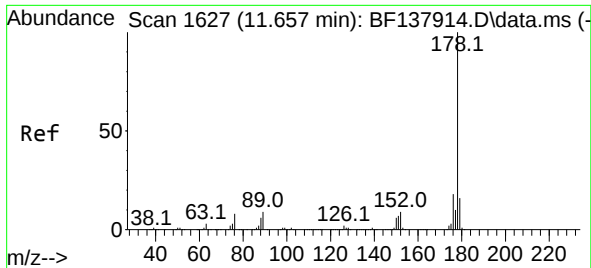
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#71
Phenanthrene
Concen: 32.212 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

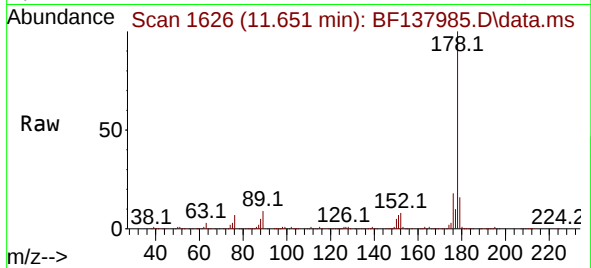
Tgt Ion:178 Resp: 903374
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.6 12.2 18.4





#72
 Anthracene
 Concen: 8.123 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.006 min
 Lab File: BF137985.D
 Acq: 21 May 2024 18:44

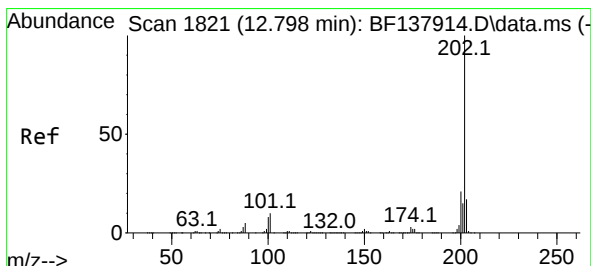
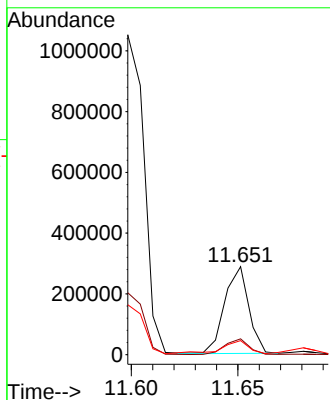
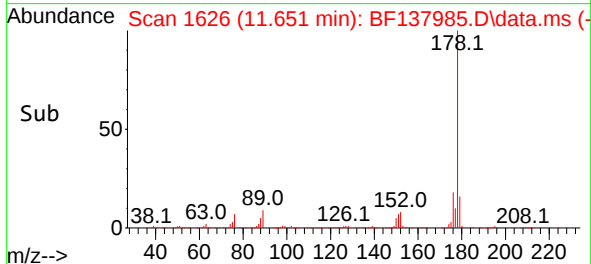
Instrument :
 BNA_F
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 WCS-TPJDL



Tgt Ion:178 Resp: 226029
 Ion Ratio Lower Upper
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 179 16.1 12.4 18.6

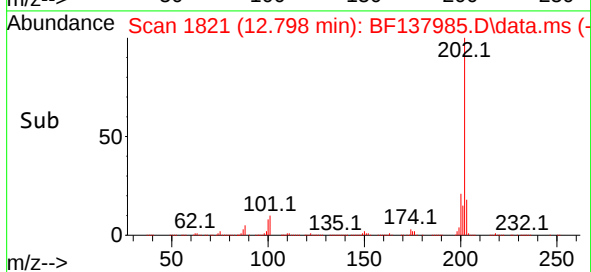
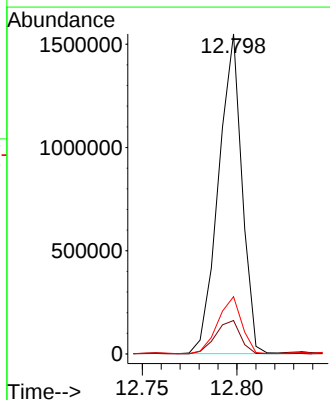
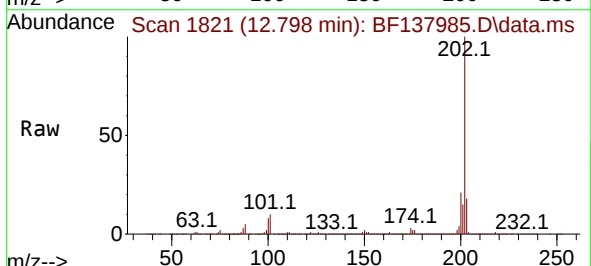
Manual Integrations
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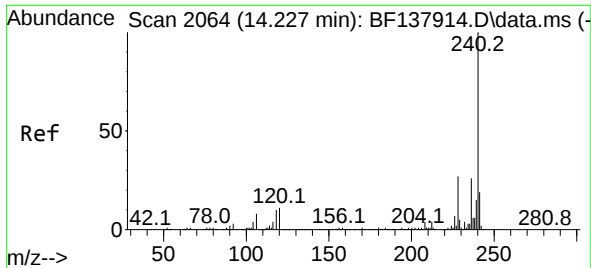
Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024



#75
 Fluoranthene
 Concen: 46.812 ng
 RT: 12.798 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: BF137985.D
 Acq: 21 May 2024 18:44

Tgt Ion:202 Resp: 1332560
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.5
 203 17.9 0.0 37.3





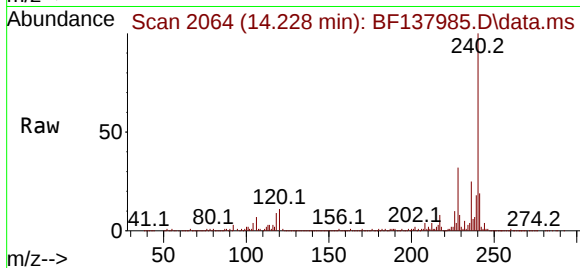
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.228 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

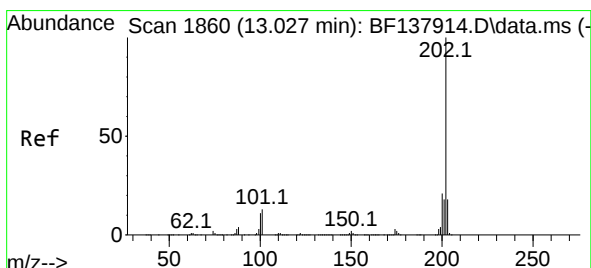
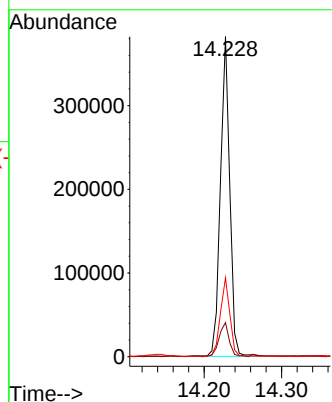
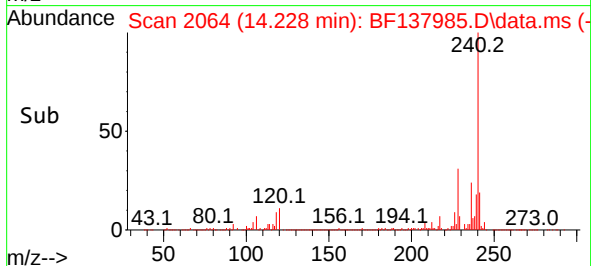


Tgt Ion:240 Resp: 31899
Ion Ratio Lower Upper
240 100
120 10.6 8.9 13.3
236 24.7 21.0 31.4

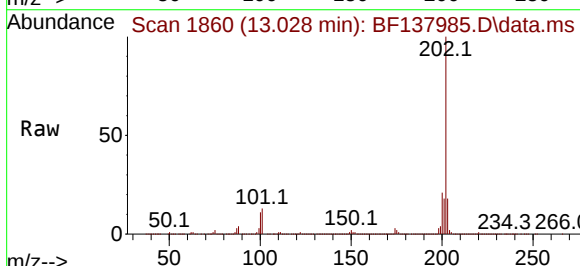
Manual Integrations

APPROVED

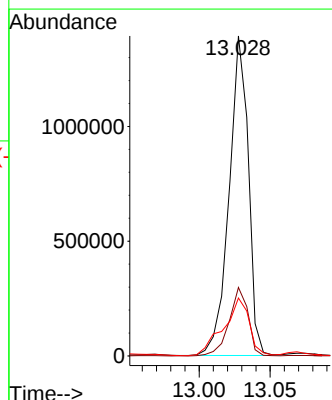
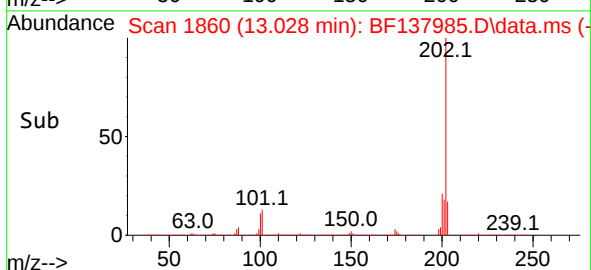
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024

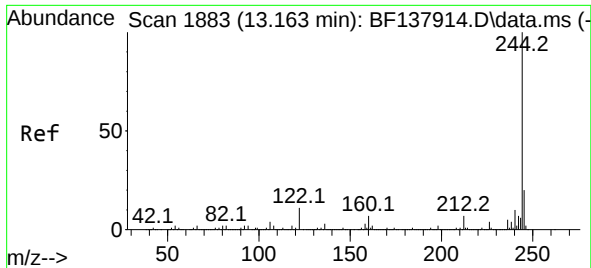


#78
Pyrene
Concen: 47.017 ng
RT: 13.028 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44



Tgt Ion:202 Resp: 1311806
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 18.1 14.1 21.1





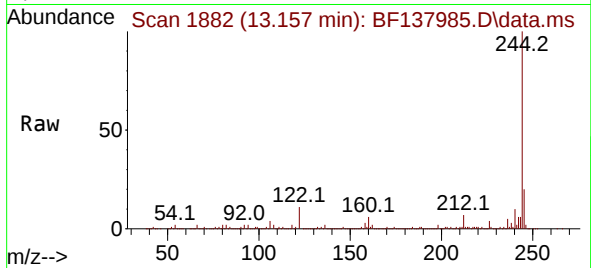
#79
 Terphenyl-d14
 Concen: 22.057 ng
 RT: 13.157 min Scan# 1882
 Delta R.T. -0.006 min
 Lab File: BF137985.D
 Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

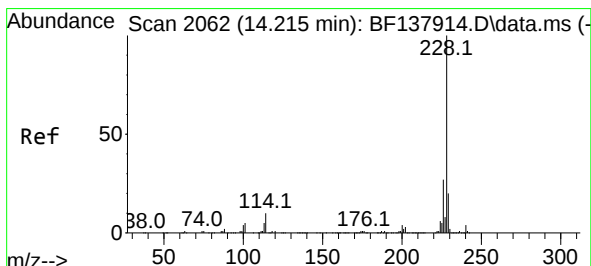
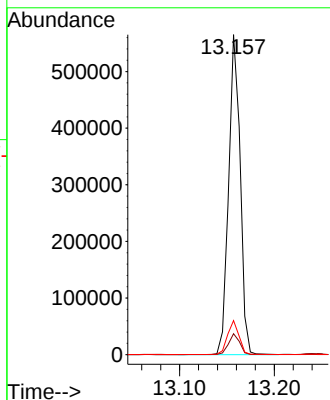
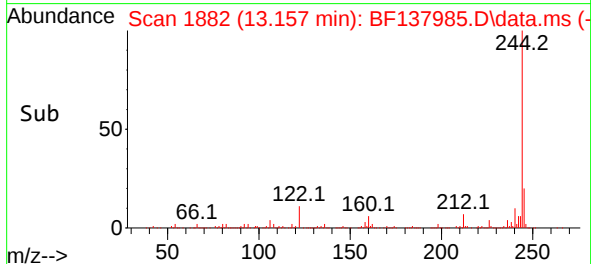


Tgt Ion:244 Resp: 477402
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.6 8.8 13.2

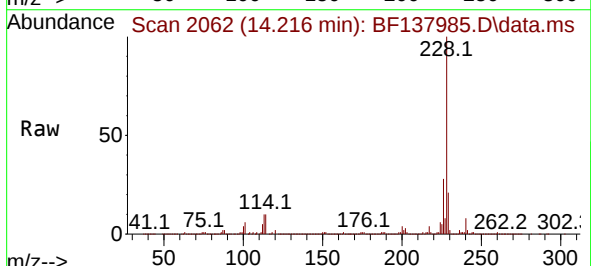
Manual Integrations

APPROVED

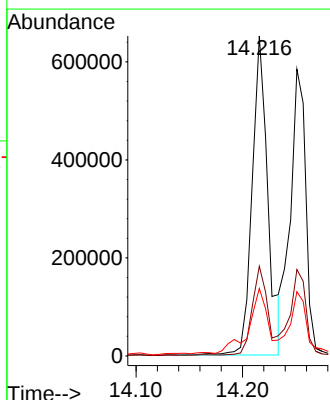
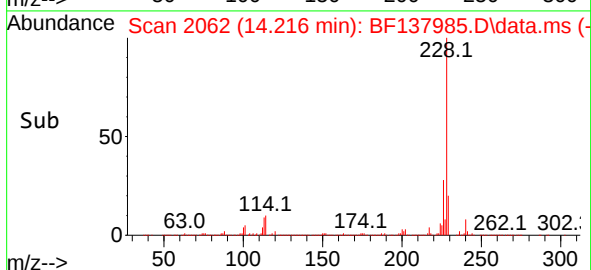
Reviewed By :Jagrut Upadhyay 05/22/2024
 Supervised By :mohammad ahmed 05/24/2024

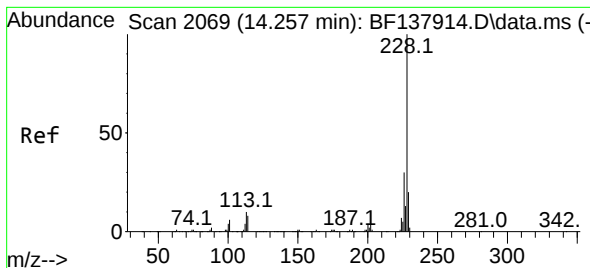


#81
 Benzo(a)anthracene
 Concen: 32.837 ng
 RT: 14.216 min Scan# 2062
 Delta R.T. 0.000 min
 Lab File: BF137985.D
 Acq: 21 May 2024 18:44



Tgt Ion:228 Resp: 662707
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.3 31.9
 229 21.1 15.7 23.5





#83

Chrysene

Concen: 30.686 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

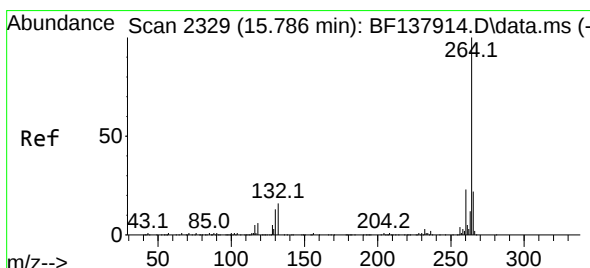
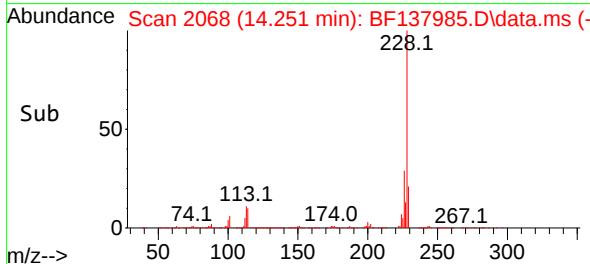
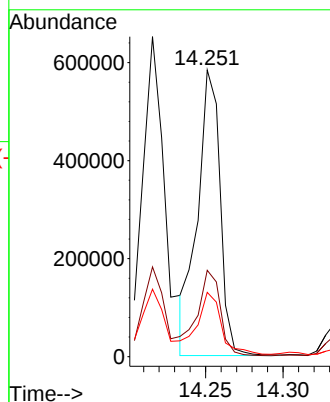
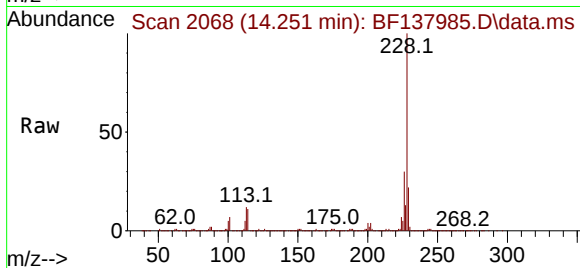
Tgt Ion:228 Resp: 592270

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	22.4	15.6	23.4

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 2330

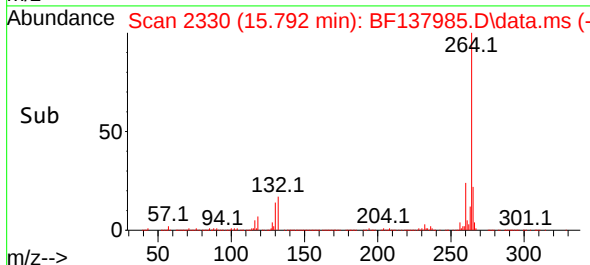
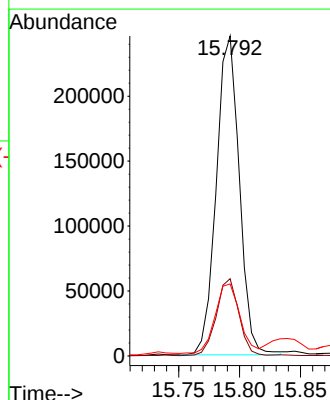
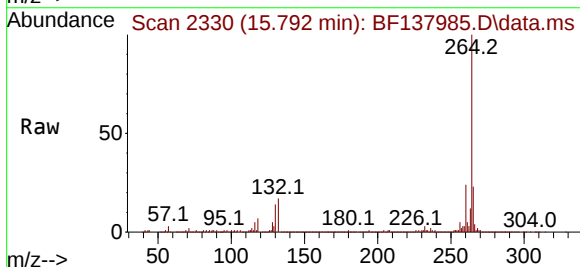
Delta R.T. 0.006 min

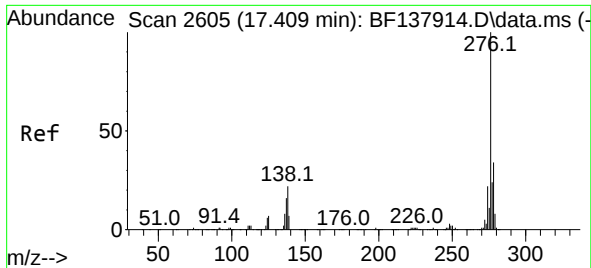
Lab File: BF137985.D

Acq: 21 May 2024 18:44

Tgt Ion:264 Resp: 323225

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.3	27.5
265	22.5	17.6	26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.631 ng
RT: 17.404 min Scan# 2064
Delta R.T. -0.006 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

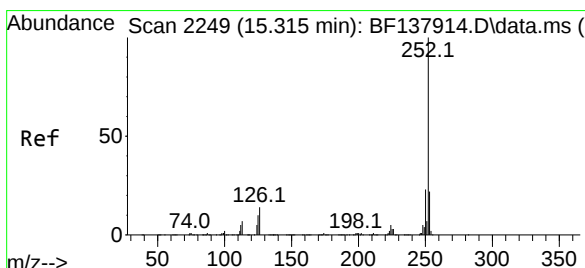
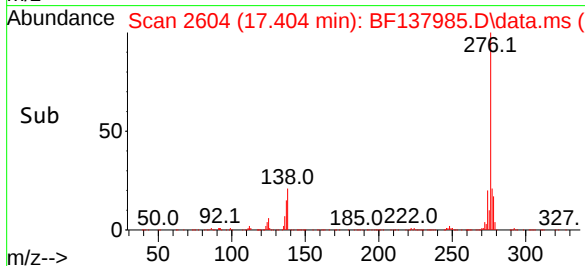
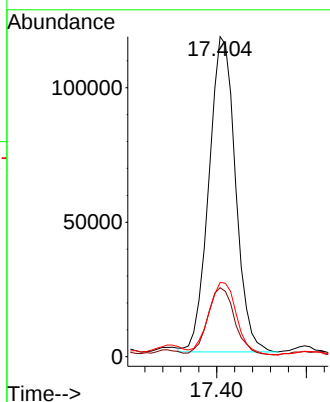
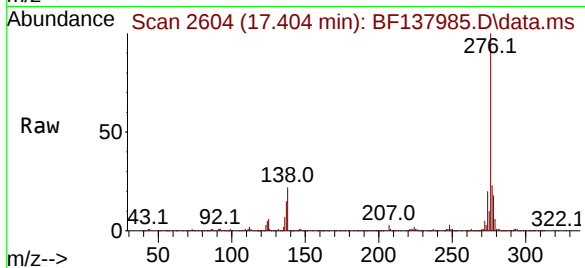
WCS-TPJDL

Tgt Ion:276 Resp: 241540
Ion Ratio Lower Upper
276 100
138 21.8 20.6 30.8
277 24.4 20.2 30.2

Manual Integrations

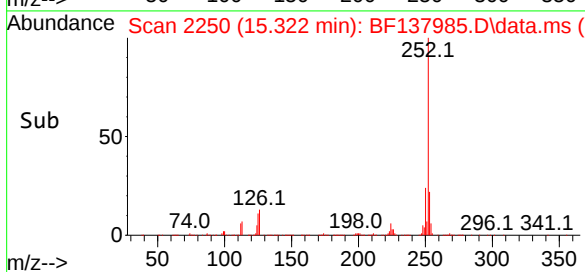
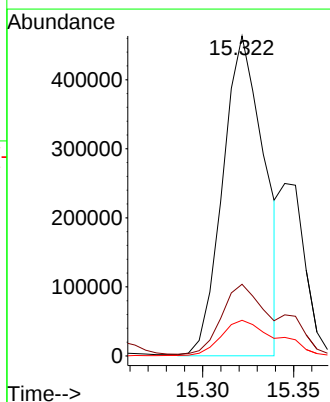
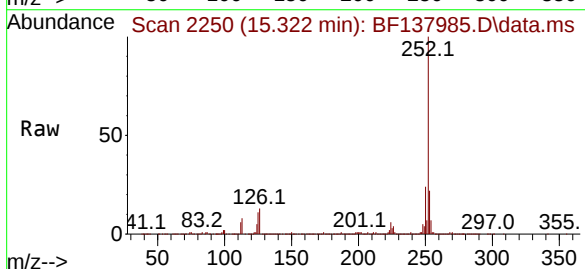
APPROVED

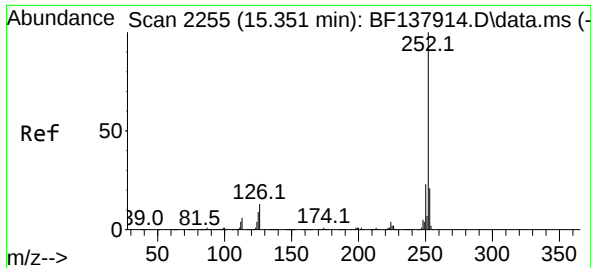
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#88
Benzo(b)fluoranthene
Concen: 39.439 ng m
RT: 15.322 min Scan# 2250
Delta R.T. 0.006 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion:252 Resp: 738098
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 11.1 8.2 12.4





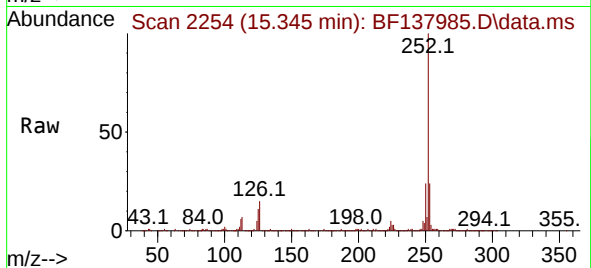
#89
Benzo(k)fluoranthene
Concen: 12.787 ng m
RT: 15.345 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

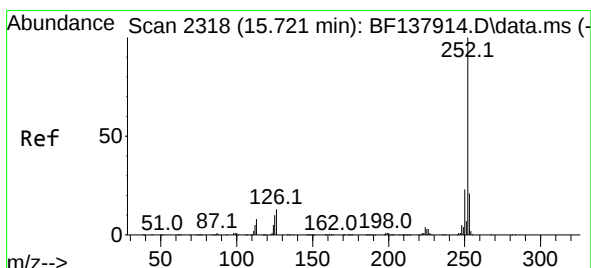
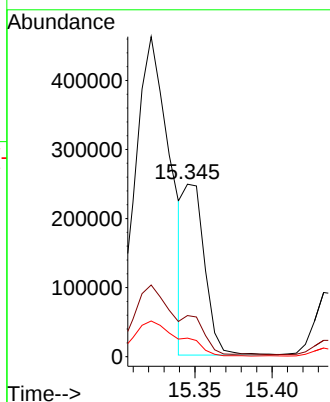
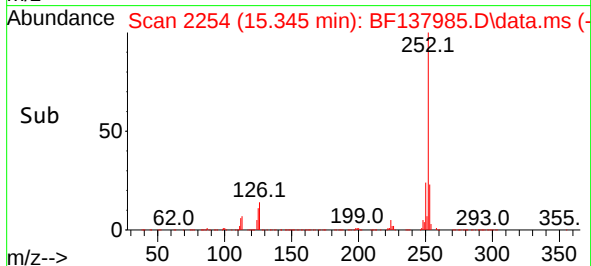


Tgt Ion:252 Resp: 23509
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 10.8 7.7 11.5

Manual Integrations

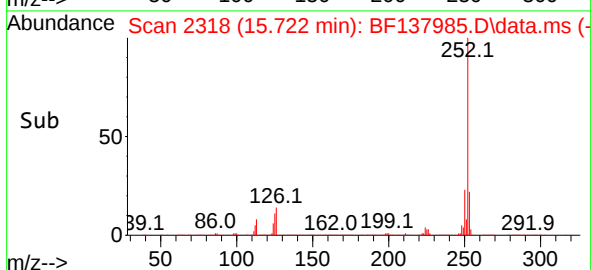
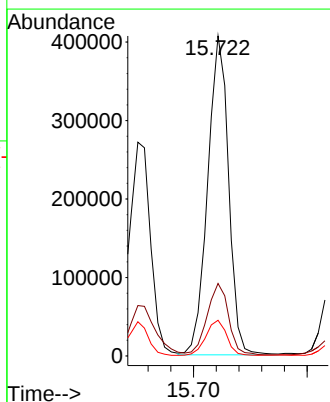
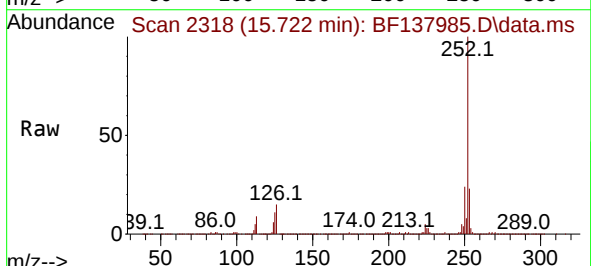
APPROVED

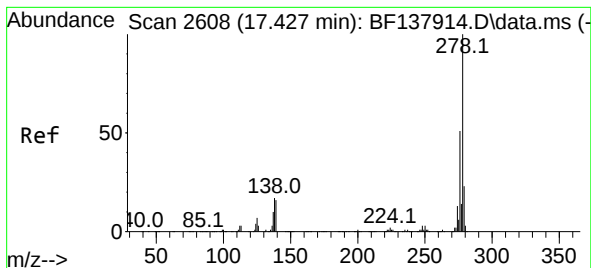
Reviewed By :Jagrut Upadhyay 05/22/2024
Supervised By :mohammad ahmed 05/24/2024



#90
Benzo(a)pyrene
Concen: 32.546 ng
RT: 15.722 min Scan# 2318
Delta R.T. 0.000 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion:252 Resp: 520105
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 11.2 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 3.952 ng m

RT: 17.416 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

Tgt Ion:278 Resp: 6781

Ion Ratio Lower Upper

278 100

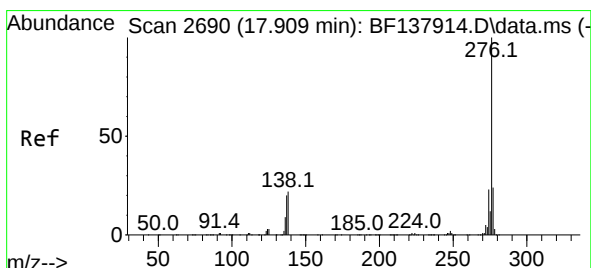
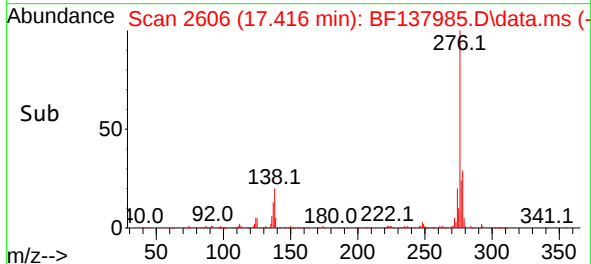
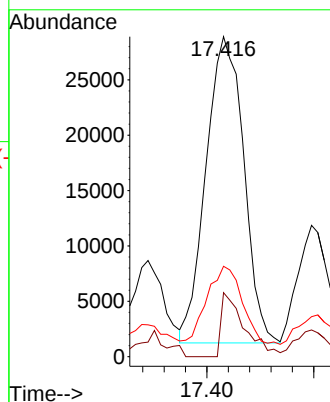
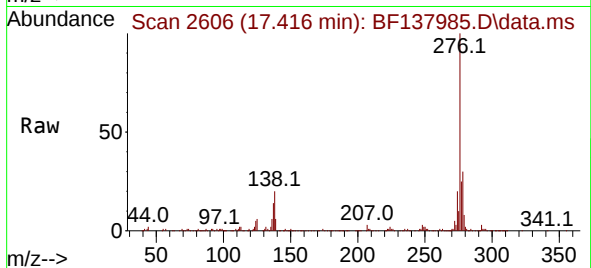
139 20.0 13.1 19.7

279 28.3 18.5 27.7

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 12.194 ng

RT: 17.904 min Scan# 2689

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Tgt Ion:276 Resp: 219779

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 22.0 17.6 26.4

