

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137968.D
 Acq On : 20 May 2024 19:36
 Operator : CG\JU
 Sample : P2512-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPJ

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/21/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 21 01:21:27 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	7.040	152	146754	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	573199	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	321354	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	541421	20.000	ng	0.00
76) Chrysene-d12	14.233	240	301703	20.000	ng	0.00
86) Perylene-d12	15.798	264	360718	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	557281	64.504	ng	0.00
7) Phenol-d6	6.651	99	681816	64.066	ng	0.00
23) Nitrobenzene-d5	7.598	82	401420	41.214	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	210268	64.893	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	878749	42.122	ng	0.00
79) Terphenyl-d14	13.163	244	820126	40.063	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.116	154	95402	5.579	ng	99
58) Fluorene	10.633	166	90670m	4.606	ng	
71) Phenanthrene	11.604	178	1531235	57.391	ng	99
72) Anthracene	11.651	178	406042	15.338	ng	99
75) Fluoranthene	12.804	202	2278019	84.117	ng	98
78) Pyrene	13.039	202	2237344	84.786	ng	98
81) Benzo(a)anthracene	14.221	228	1190684	62.380	ng	96
83) Chrysene	14.257	228	1032458	56.558	ng	97
87) Indeno(1,2,3-cd)pyrene	17.421	276	542652m	23.415	ng	
88) Benzo(b)fluoranthene	15.333	252	1480306m	70.876	ng	
89) Benzo(k)fluoranthene	15.357	252	374462m	18.250	ng	
90) Benzo(a)pyrene	15.733	252	1052838	59.034	ng	96
91) Dibenzo(a,h)anthracene	17.433	278	149964	7.832	ng	97
92) Benzo(g,h,i)perylene	17.921	276	493156	24.517	ng	99

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

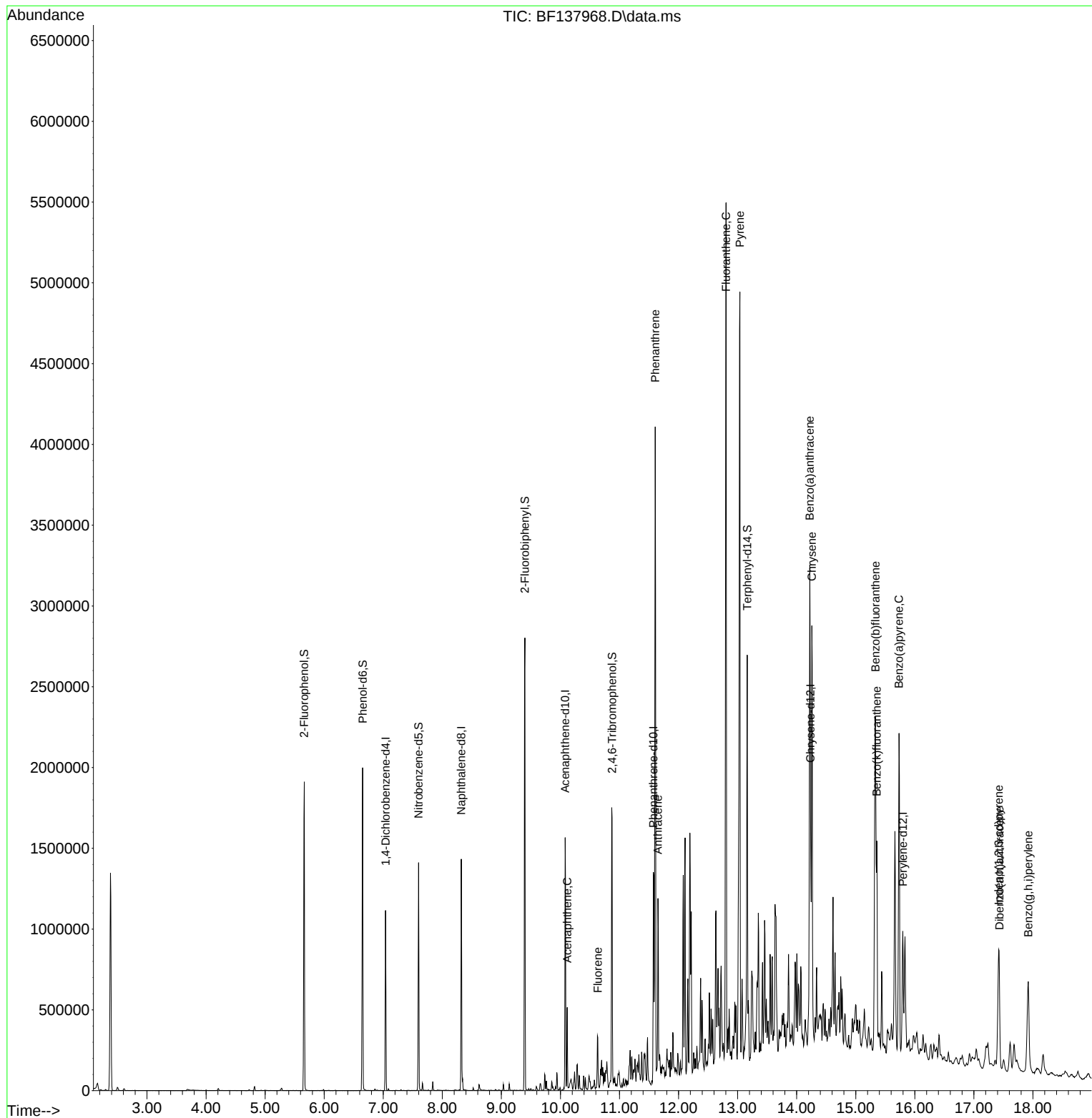
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ALS Vial : 22 Sample Multiplier: 1

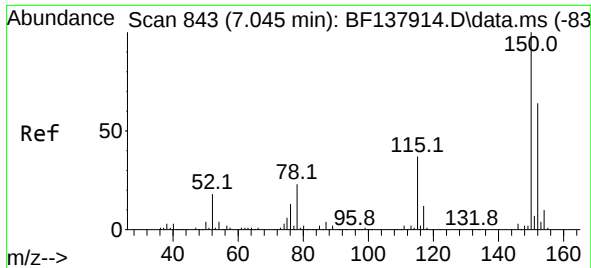
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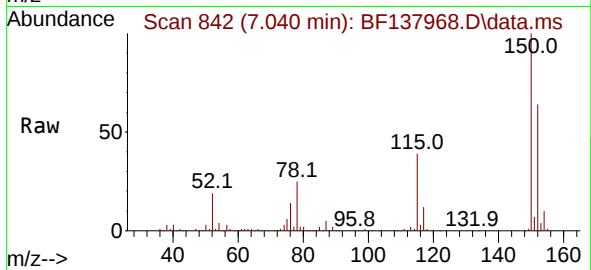
Quant Time: May 21 01:21:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 84
Delta R.T. -0.005 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

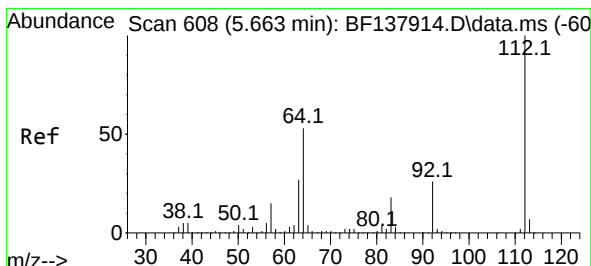
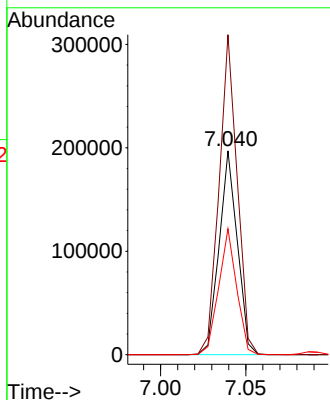
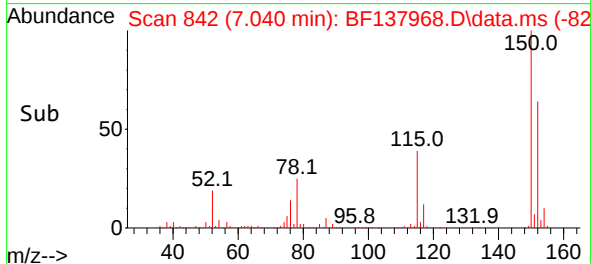
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ



Tgt Ion:152 Resp: 146754
Ion Ratio Lower Upper
152 100
150 157.0 125.7 188.5
115 61.8 47.0 70.6

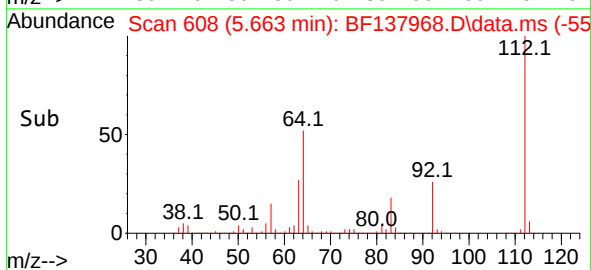
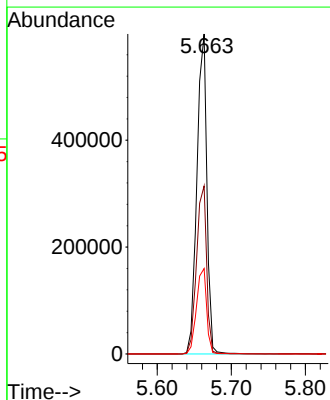
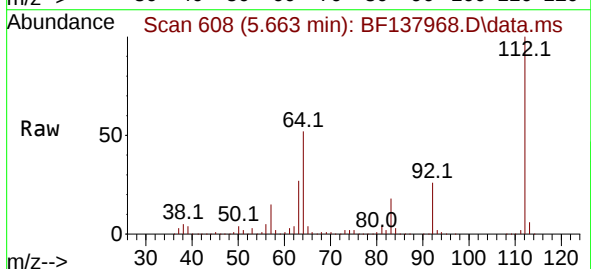
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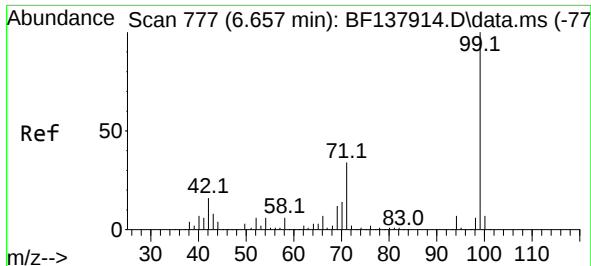
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 64.504 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

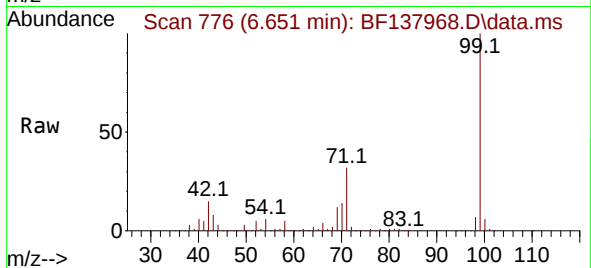
Tgt Ion:112 Resp: 557281
Ion Ratio Lower Upper
112 100
64 52.5 42.4 63.6
63 26.7 21.4 32.2





#7
Phenol-d6
Concen: 64.066 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

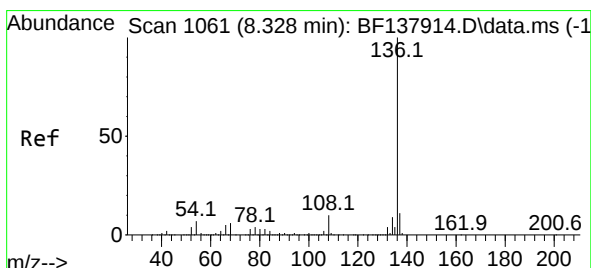
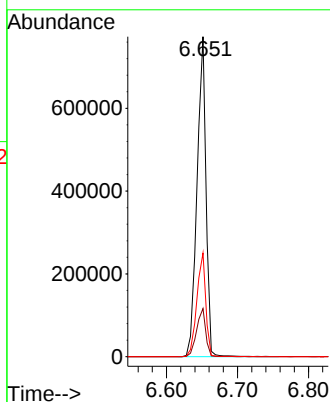
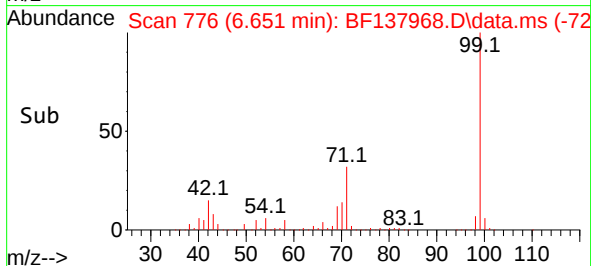
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ



Tgt Ion: 99 Resp: 681810
Ion Ratio Lower Upper
99 100
42 15.1 12.6 18.8
71 32.4 27.1 40.7

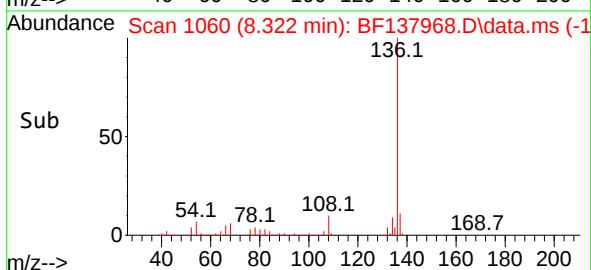
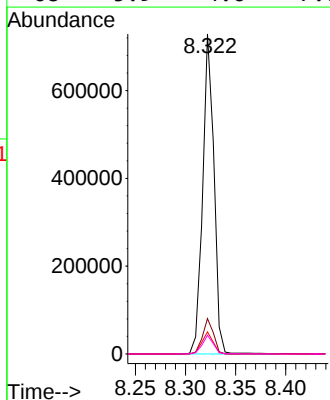
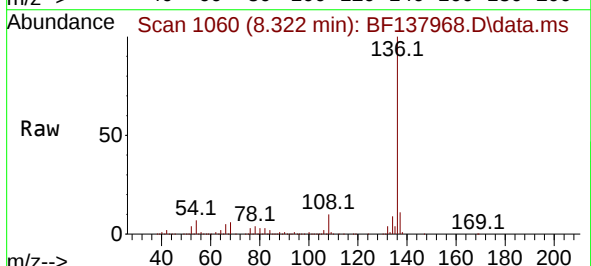
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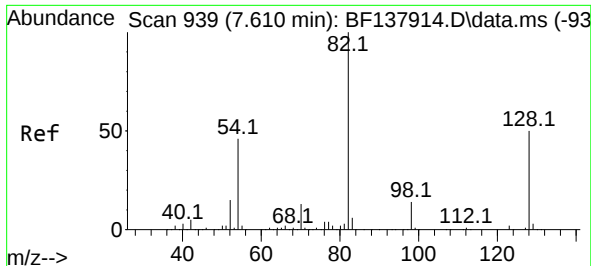
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:136 Resp: 573199
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 6.9 5.4 8.2
68 5.9 4.6 7.0





#23
Nitrobenzene-d5
Concen: 41.214 ng
RT: 7.598 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

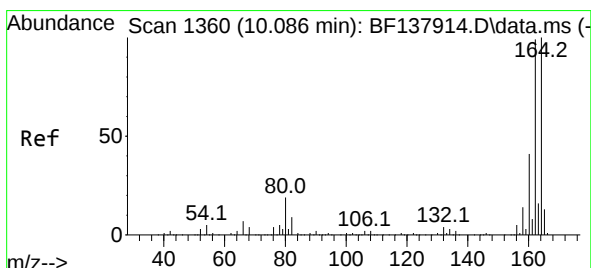
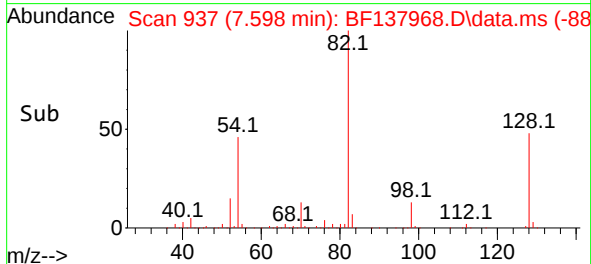
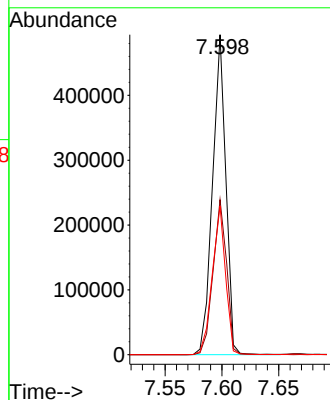
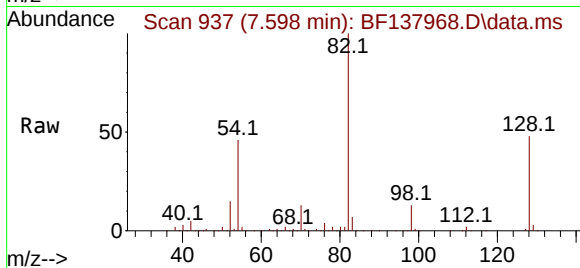
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Tgt Ion: 82 Resp: 401420
Ion Ratio Lower Upper
82 100
128 48.4 40.3 60.5
54 46.5 36.8 55.2

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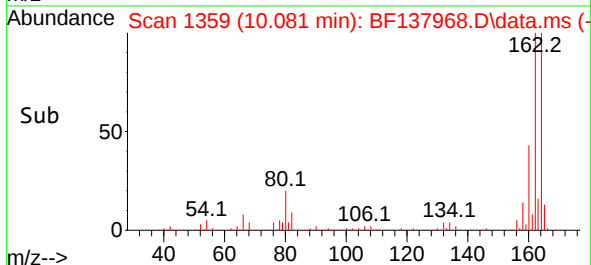
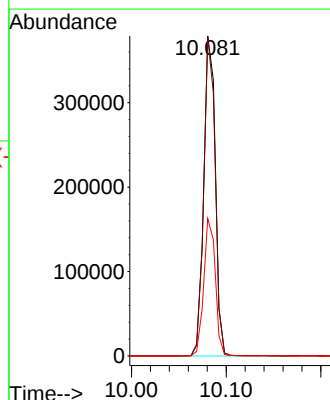
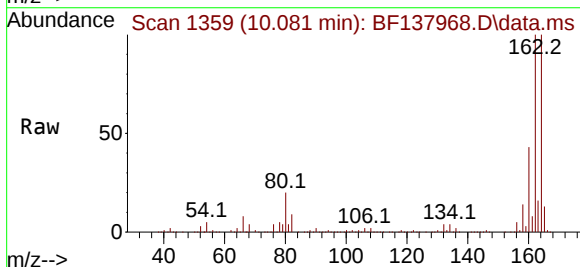
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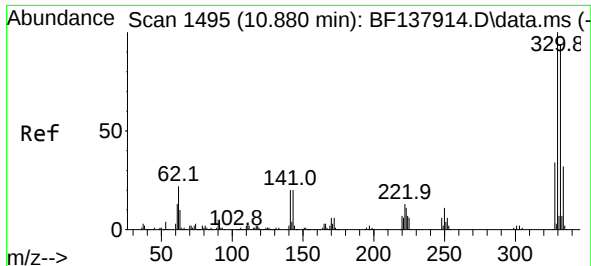
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

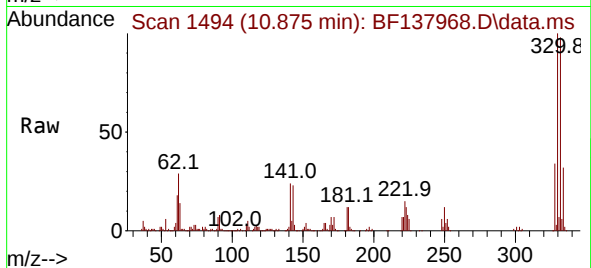
Tgt Ion:164 Resp: 321354
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.2
160 43.0 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 64.893 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

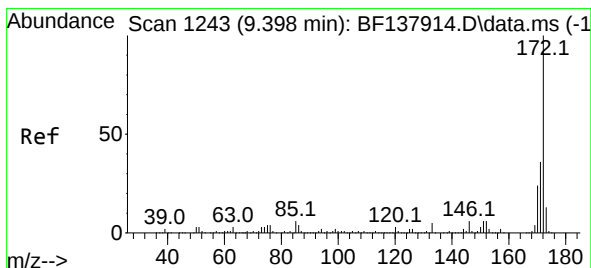
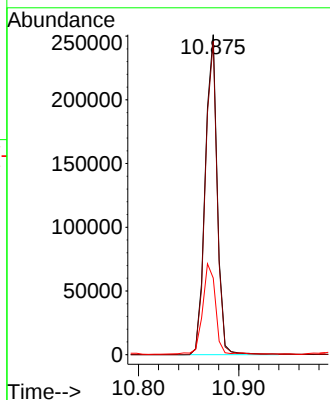
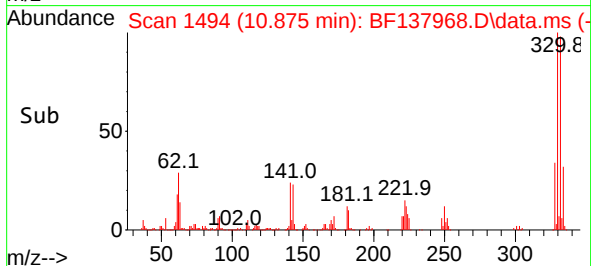
Instrument :
BNA_F
ClientSampleId :
WCS-TPJ



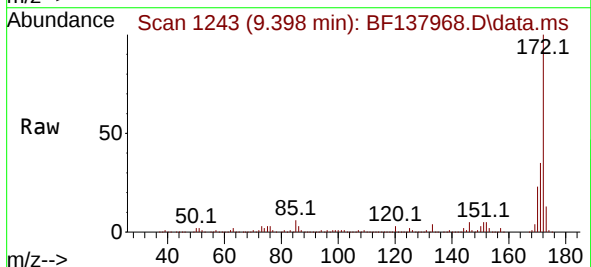
Tgt Ion: 330 Resp: 210268
Ion Ratio Lower Upper
330 100
332 96.8 75.8 113.8
141 29.9 23.8 35.6

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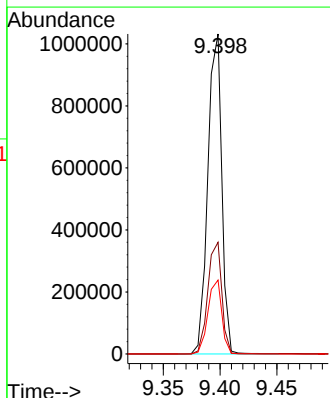
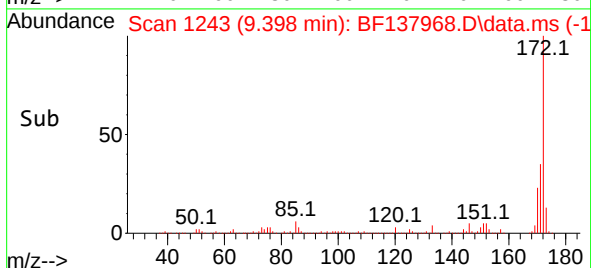
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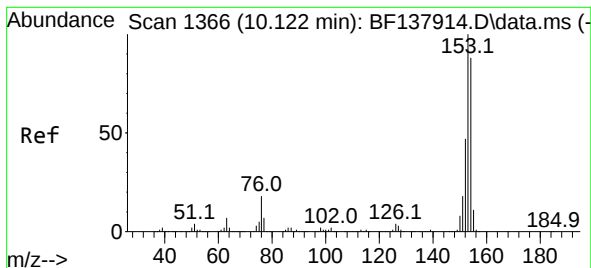


#45
2-Fluorobiphenyl
Concen: 42.122 ng
RT: 9.398 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36



Tgt Ion: 172 Resp: 878749
Ion Ratio Lower Upper
172 100
171 34.9 28.9 43.3
170 23.1 18.9 28.3





#52

Acenaphthene

Concen: 5.579 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

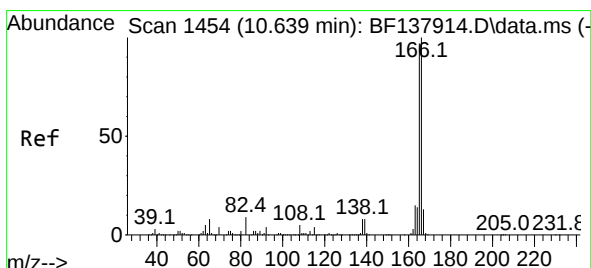
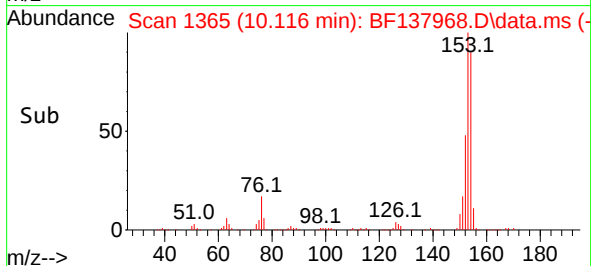
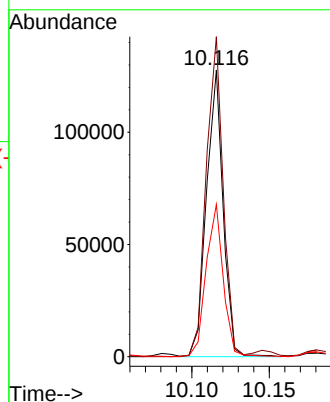
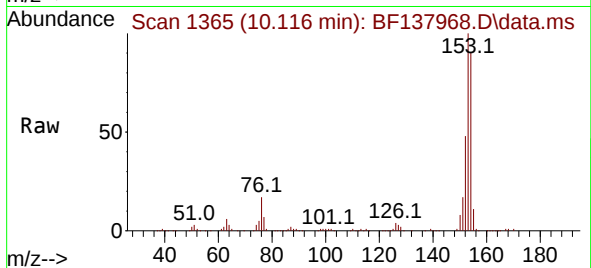
WCS-TPJ

Tgt Ion:154	Resp:	95402
Ion Ratio	Lower	Upper
154	100	
153	111.6	90.4 135.6
152	53.1	42.3 63.5

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Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#58

Fluorene

Concen: 4.606 ng m

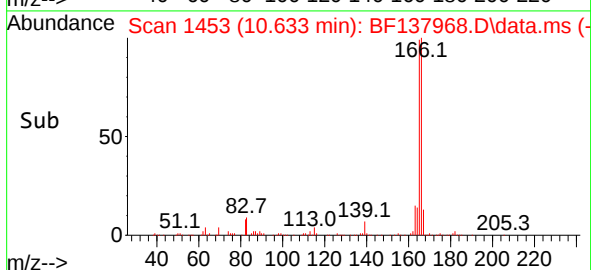
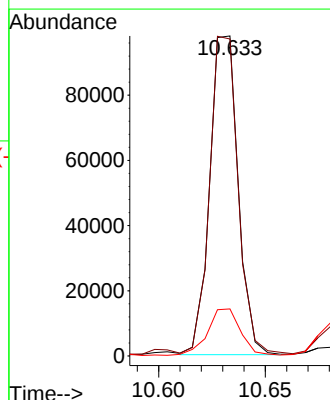
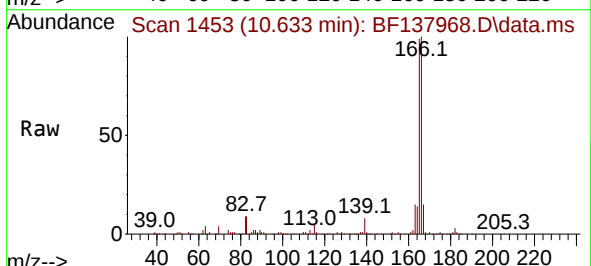
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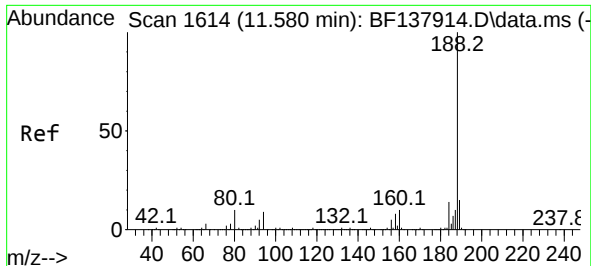
Delta R.T. -0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Tgt Ion:166	Resp:	90670
Ion Ratio	Lower	Upper
166	100	
165	99.0	77.8 116.8
167	14.7	10.4 15.6





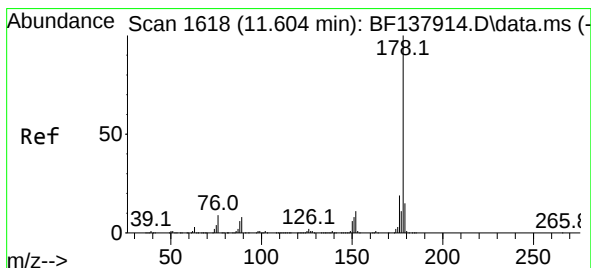
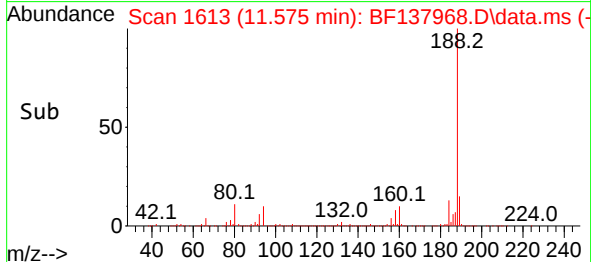
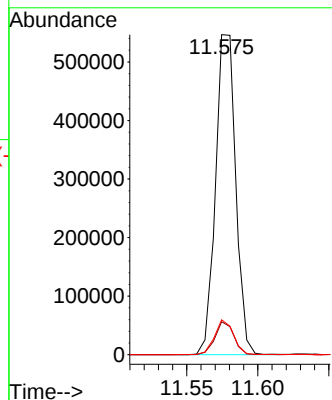
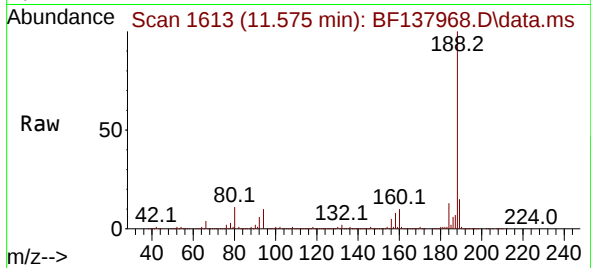
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Tgt Ion:188 Resp: 54142
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.4
80 10.9 7.7 11.5

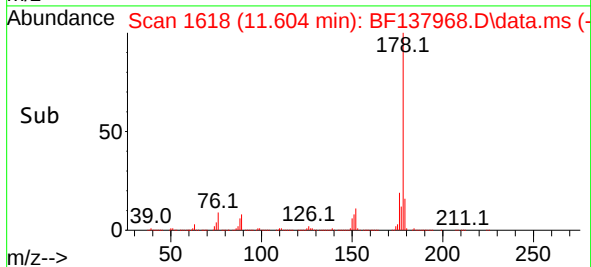
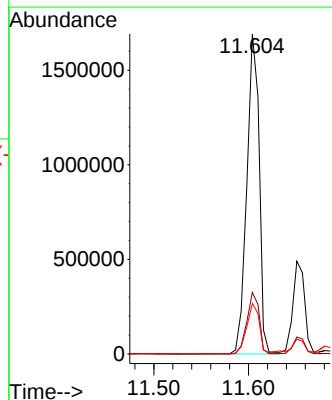
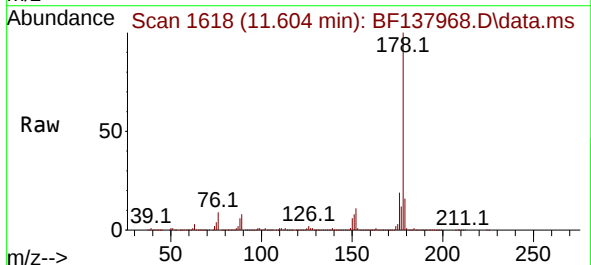
Manual Integrations
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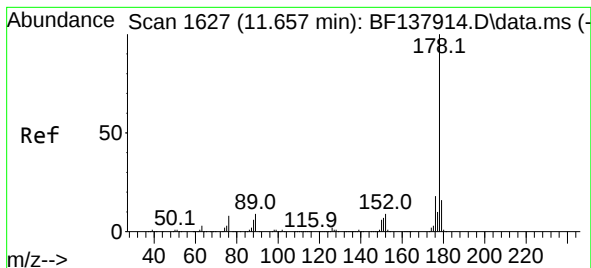
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#71
Phenanthrene
Concen: 57.391 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:178 Resp: 1531235
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.7 12.2 18.4





#72

Anthracene

Concen: 15.338 ng

RT: 11.651 min Scan# 1626

Delta R.T. -0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

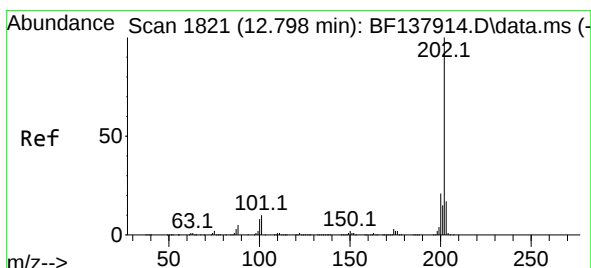
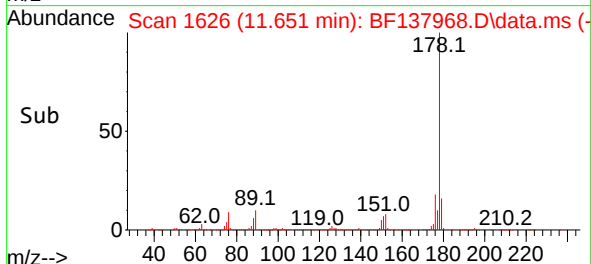
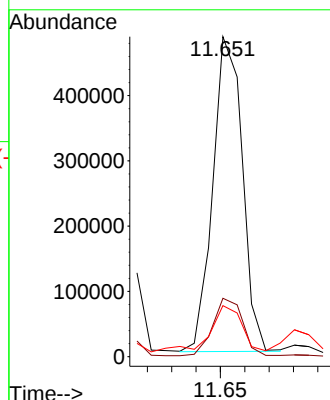
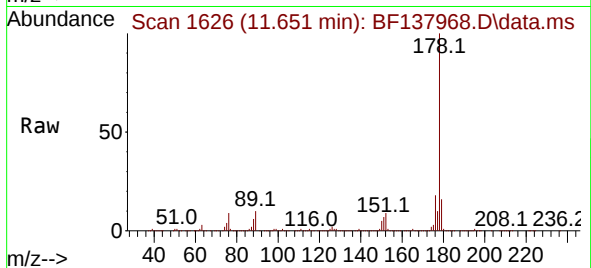
WCS-TPJ

Tgt Ion:178	Resp: 40604
Ion Ratio	Lower Upper
178 100	
176 18.3	14.7 22.1
179 16.0	12.4 18.6

Manual Integrations

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Supervised By :mohammad ahmed 05/22/2024



#75

Fluoranthene

Concen: 84.117 ng

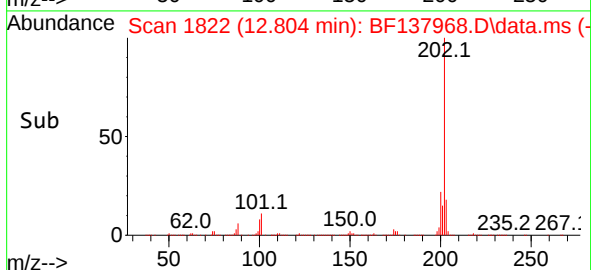
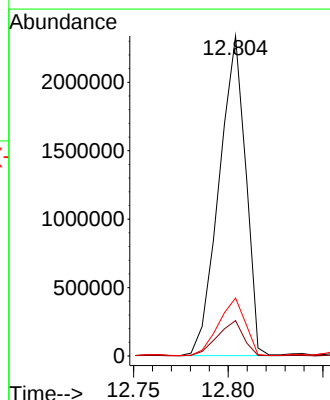
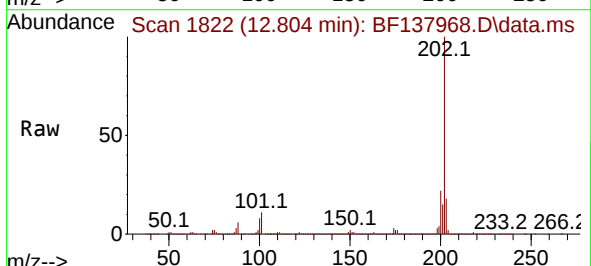
RT: 12.804 min Scan# 1822

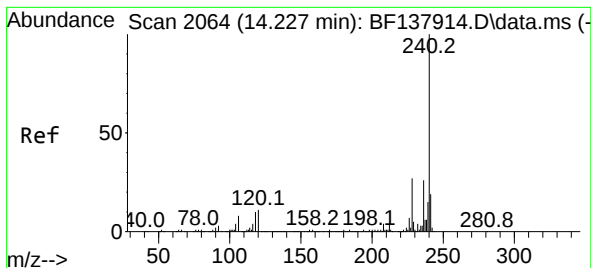
Delta R.T. 0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Tgt Ion:202	Resp: 2278019
Ion Ratio	Lower Upper
202 100	
101 11.1	0.0 30.5
203 18.1	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

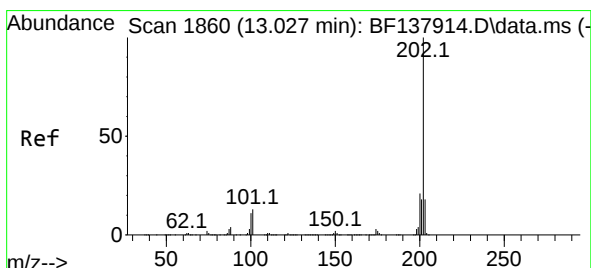
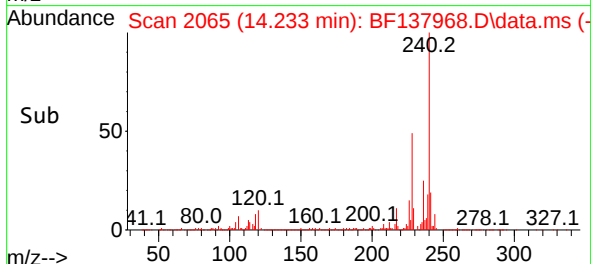
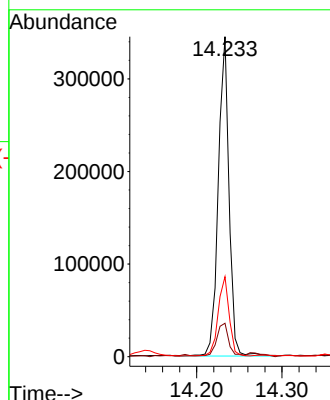
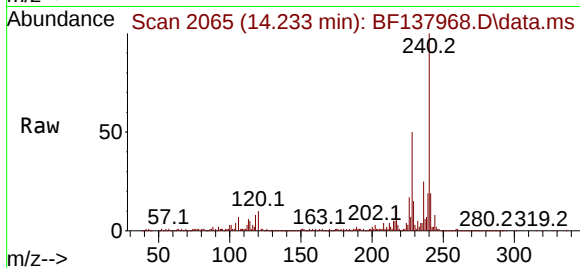
Tgt Ion:240 Resp: 30170

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.9	13.3
236	25.0	21.0	31.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#78

Pyrene

Concen: 84.786 ng

RT: 13.039 min Scan# 1862

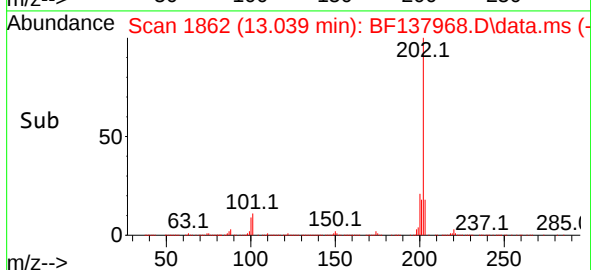
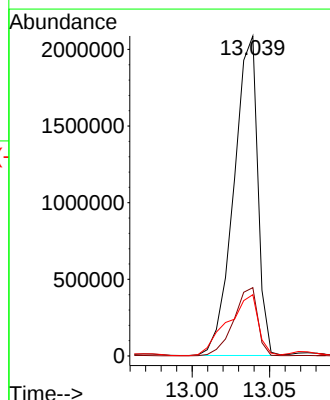
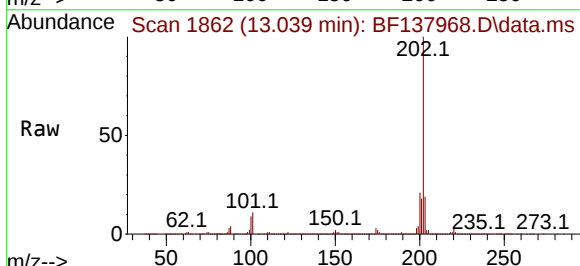
Delta R.T. 0.012 min

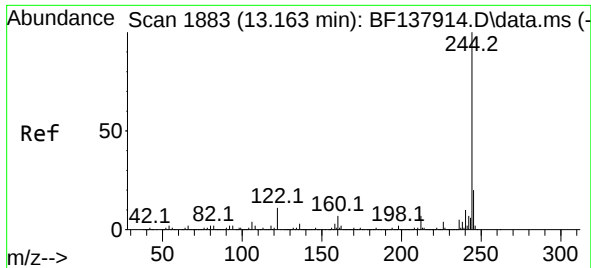
Lab File: BF137968.D

Acq: 20 May 2024 19:36

Tgt Ion:202 Resp: 2237344

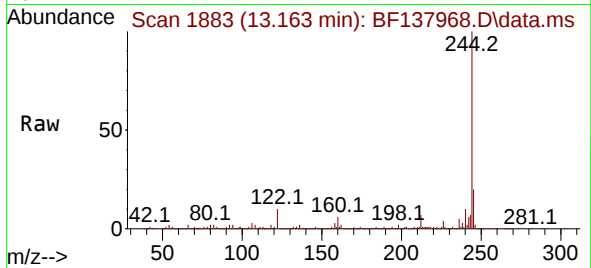
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	19.1	14.1	21.1





#79
 Terphenyl-d14
 Concen: 40.063 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: BF137968.D
 Acq: 20 May 2024 19:36

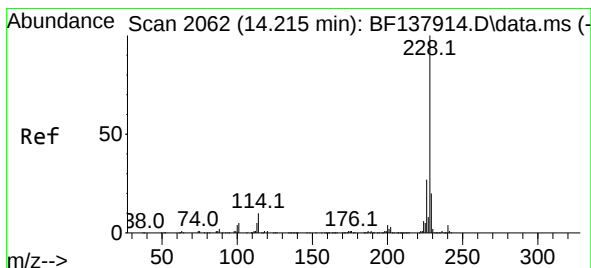
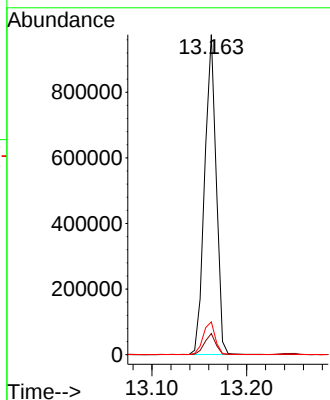
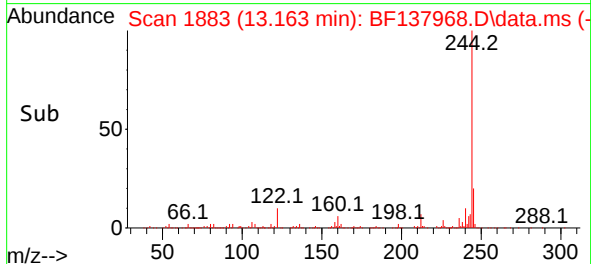
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPJ



Tgt Ion:244 Resp: 820120
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.2 8.8 13.2

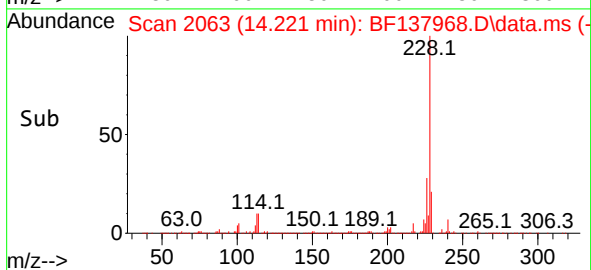
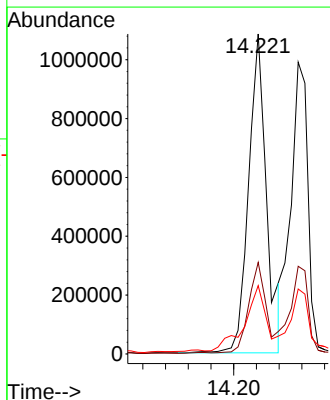
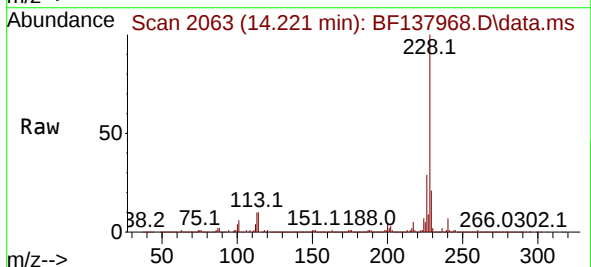
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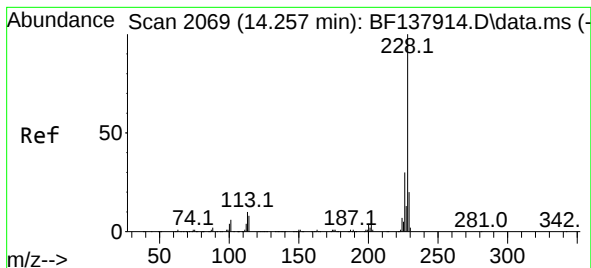
Reviewed By :Jagrut Upadhyay 05/21/2024
 Supervised By :mohammad ahmed 05/22/2024



#81
 Benzo(a)anthracene
 Concen: 62.380 ng
 RT: 14.221 min Scan# 2063
 Delta R.T. 0.006 min
 Lab File: BF137968.D
 Acq: 20 May 2024 19:36

Tgt Ion:228 Resp: 1190684
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.3 31.9
 229 21.4 15.7 23.5





#83

Chrysene

Concen: 56.558 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

Tgt Ion:228 Resp: 1032458

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

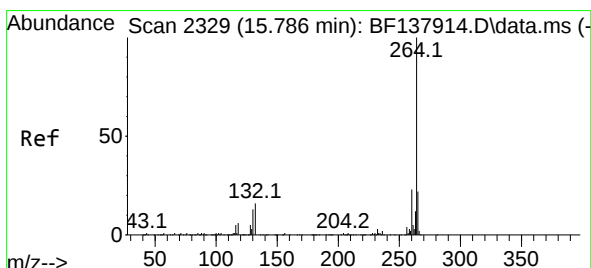
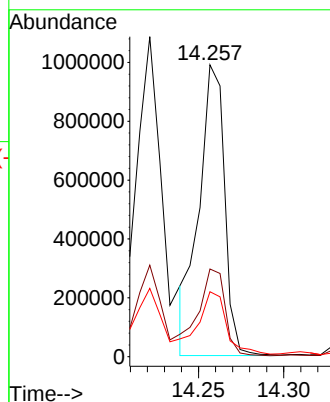
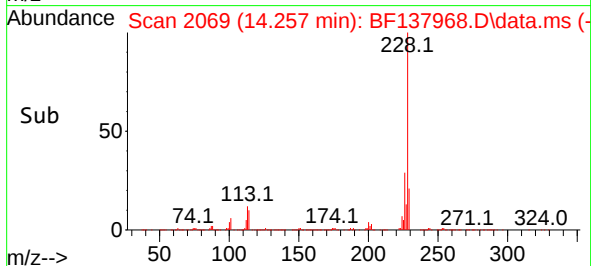
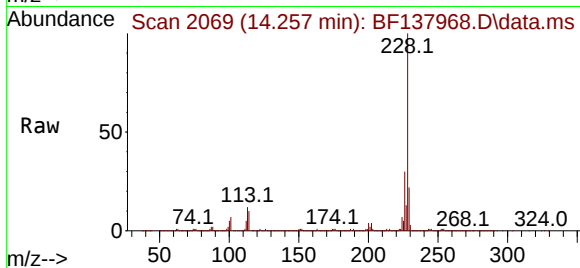
229 22.3 15.6 23.4

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Reviewed By :Jagrut Upadhyay 05/21/2024

Supervised By :mohammad ahmed 05/22/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 2331

Delta R.T. 0.012 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

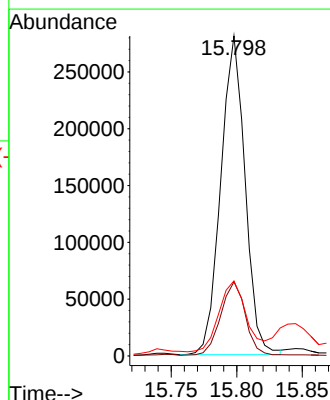
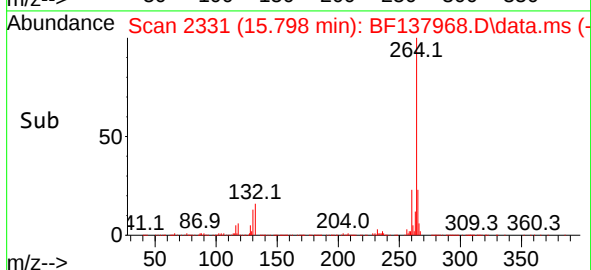
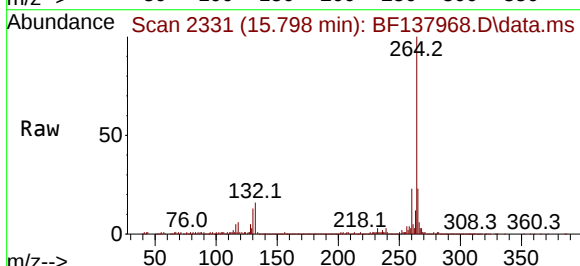
Tgt Ion:264 Resp: 360718

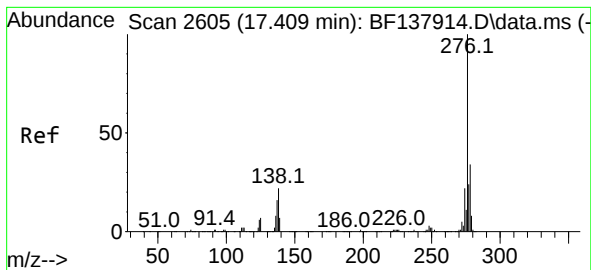
Ion Ratio Lower Upper

264 100

260 23.1 18.3 27.5

265 23.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 23.415 ng m

RT: 17.421 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

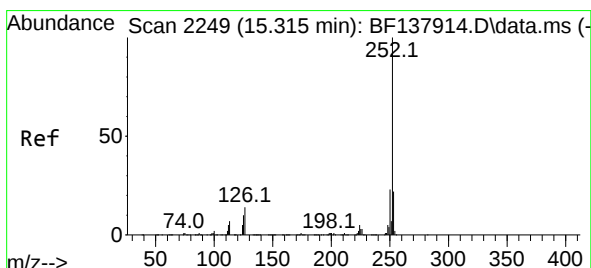
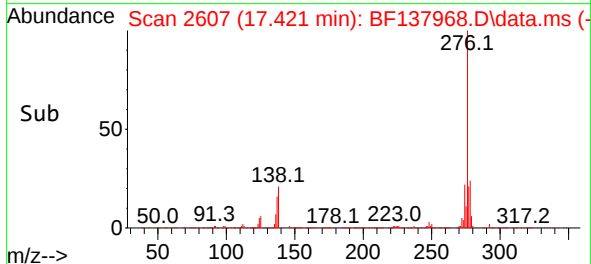
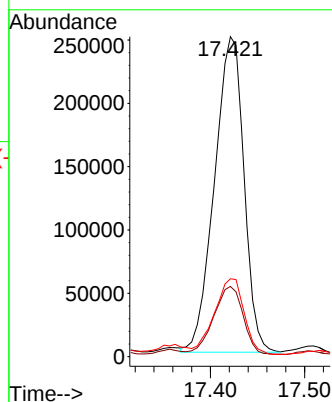
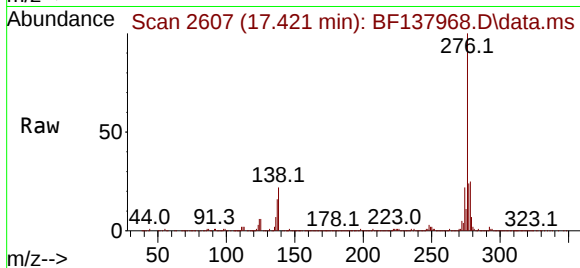
WCS-TPJ

Tgt Ion:276 Resp: 542652
 Ion Ratio Lower Upper
 276 100
 138 21.5 20.6 30.8
 277 24.1 20.2 30.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/21/2024
 Supervised By :mohammad ahmed 05/22/2024



#88

Benzo(b)fluoranthene

Concen: 70.876 ng m

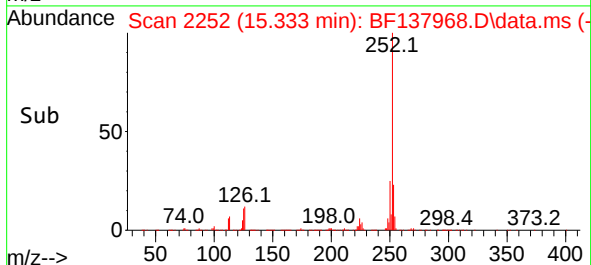
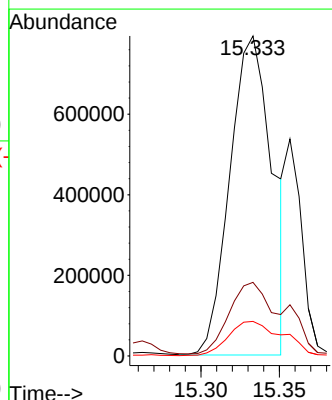
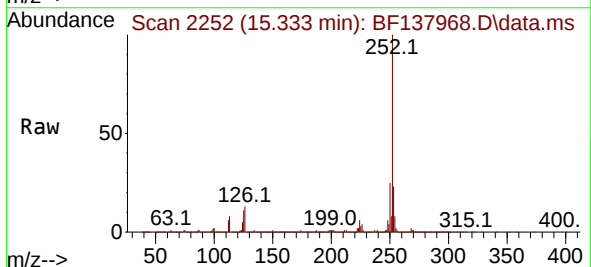
RT: 15.333 min Scan# 2252

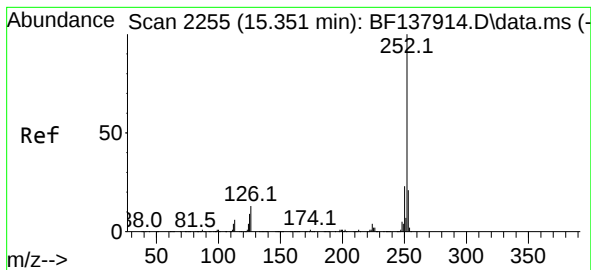
Delta R.T. 0.018 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Tgt Ion:252 Resp: 1480306
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.6 26.4
 125 10.8 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 18.250 ng m

RT: 15.357 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

Instrument :

BNA_F

ClientSampleId :

WCS-TPJ

Tgt Ion:252 Resp: 374462

Ion Ratio Lower Upper

252 100

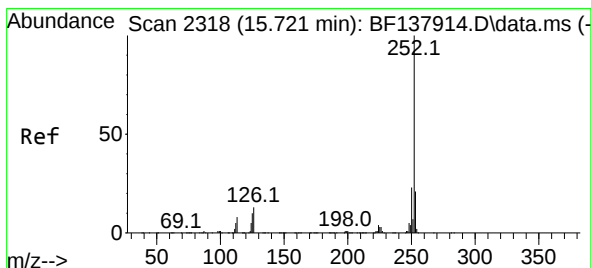
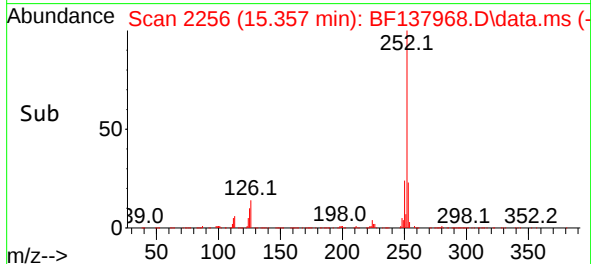
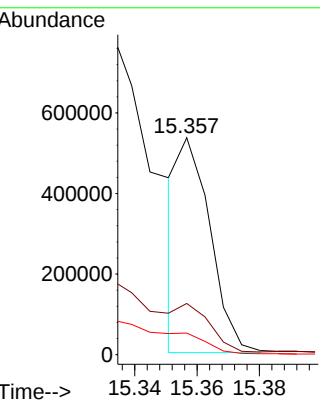
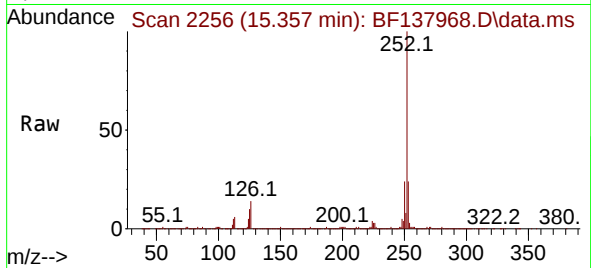
253 23.6 17.4 26.0

125 9.9 7.7 11.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#90

Benzo(a)pyrene

Concen: 59.034 ng

RT: 15.733 min Scan# 2320

Delta R.T. 0.012 min

Lab File: BF137968.D

Acq: 20 May 2024 19:36

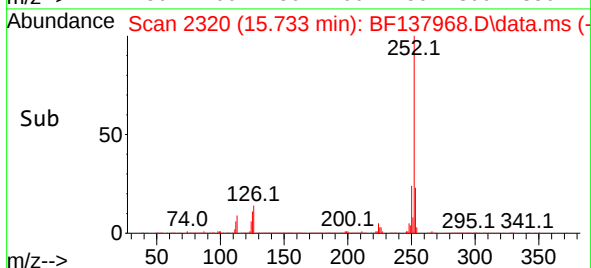
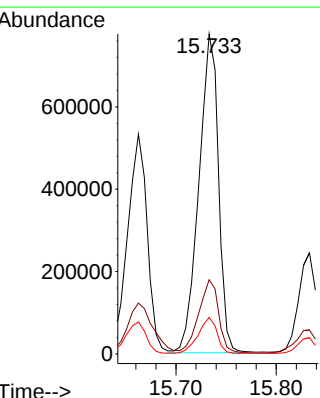
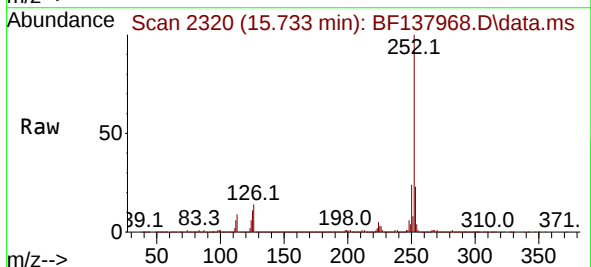
Tgt Ion:252 Resp: 1052838

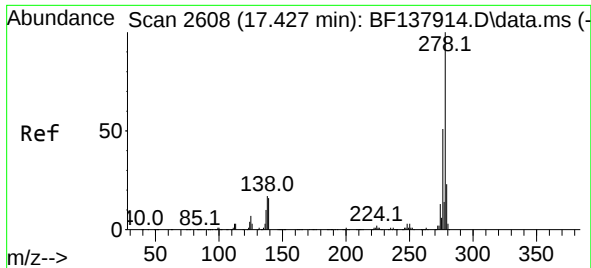
Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 11.4 7.8 11.8





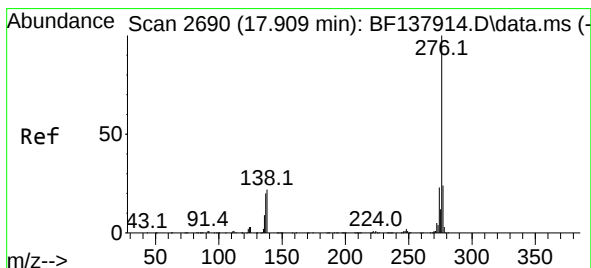
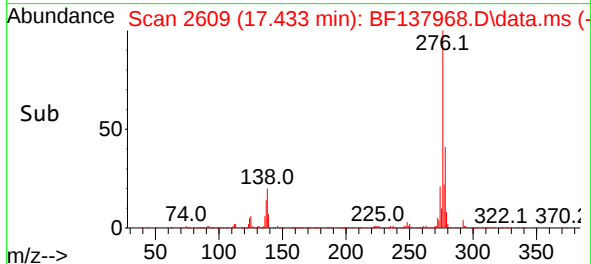
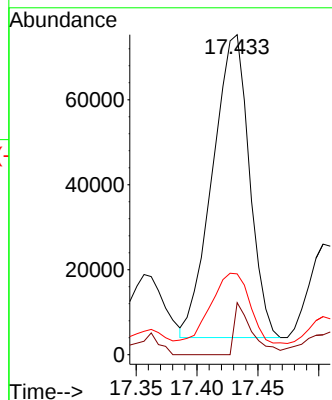
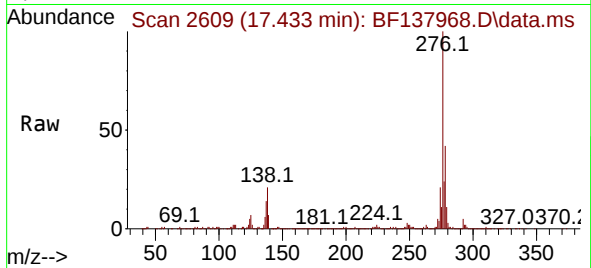
#91
Dibenzo(a,h)anthracene
Concen: 7.832 ng
RT: 17.433 min Scan# 2609
Delta R.T. 0.006 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Instrument :
BNA_F
ClientSampleId :
WCS-TPJ

Tgt Ion:278 Resp: 149964
Ion Ratio Lower Upper
278 100
139 16.3 13.1 19.7
279 25.3 18.5 27.7

Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#92
Benzo(g,h,i)perylene
Concen: 24.517 ng
RT: 17.921 min Scan# 2692
Delta R.T. 0.012 min
Lab File: BF137968.D
Acq: 20 May 2024 19:36

Tgt Ion:276 Resp: 493156
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 22.0 17.6 26.4

