

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137969.D
 Acq On : 20 May 2024 20:06
 Operator : CG\JU
 Sample : P2487-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-A-COMP

Manual Integrations
 APPROVED

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

Quant Time: May 21 01:21:59 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	137973	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	522025	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	292222	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	439368	20.000	ng	0.00
76) Chrysene-d12	14.227	240	292365	20.000	ng	0.00
86) Perylene-d12	15.798	264	331272	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	741751	91.320	ng	0.00
7) Phenol-d6	6.651	99	936297	93.577	ng	0.00
23) Nitrobenzene-d5	7.598	82	565312	63.730	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	272732	92.562	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1230356	64.856	ng	0.00
79) Terphenyl-d14	13.163	244	1034231	52.135	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.116	154	53249	3.425	ng	98
55) Dibenzofuran	10.286	168	47613	2.104	ng	96
58) Fluorene	10.633	166	68307m	3.816	ng	
71) Phenanthrene	11.604	178	910690	42.061	ng	99
72) Anthracene	11.651	178	194542	9.056	ng	99
73) Carbazole	11.804	167	67003	3.414	ng	99
75) Fluoranthene	12.798	202	923363	42.015	ng	99
78) Pyrene	13.027	202	868879	33.978	ng	100
81) Benzo(a)anthracene	14.216	228	429296	23.209	ng	97
83) Chrysene	14.257	228	395365	22.350	ng	98
87) Indeno(1,2,3-cd)pyrene	17.415	276	145237	6.824	ng	96
88) Benzo(b)fluoranthene	15.321	252	474900m	24.759	ng	
89) Benzo(k)fluoranthene	15.351	252	136603m	7.249	ng	
90) Benzo(a)pyrene	15.727	252	338428	20.663	ng	# 96
91) Dibenzo(a,h)anthracene	17.427	278	37536m	2.135	ng	
92) Benzo(g,h,i)perylene	17.909	276	133764	7.241	ng	97

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

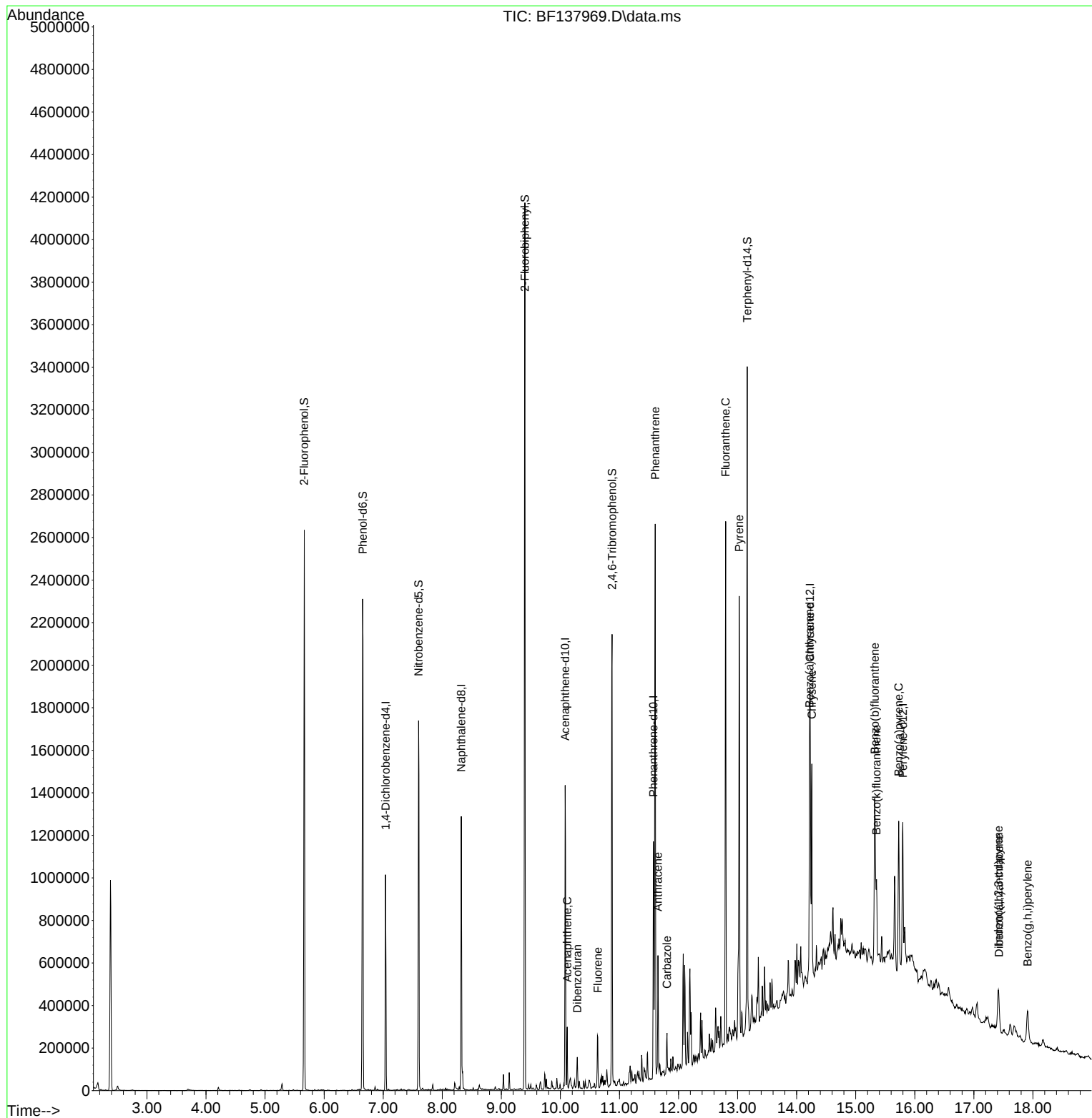
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
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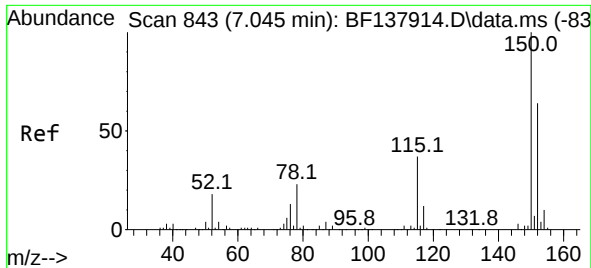
Instrument :
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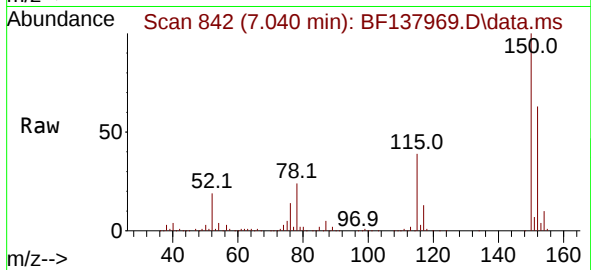
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 843
Delta R.T. -0.005 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

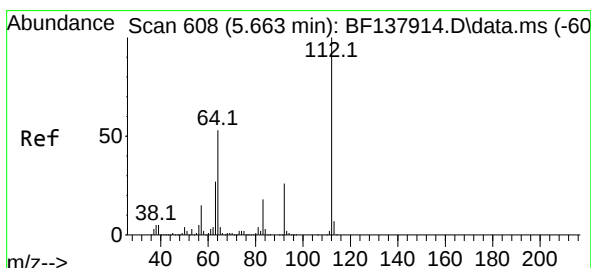
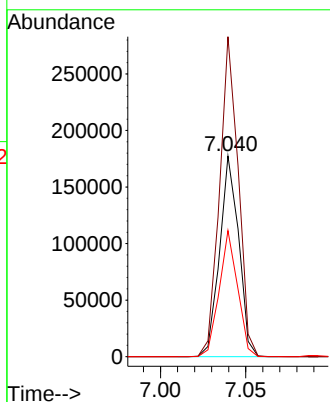
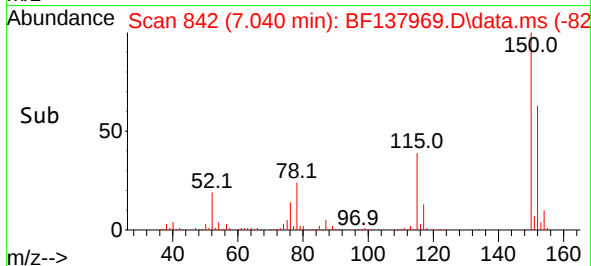


Tgt Ion:152 Resp: 137970
Ion Ratio Lower Upper
152 100
150 159.5 125.7 188.5
115 62.9 47.0 70.6

Manual Integrations

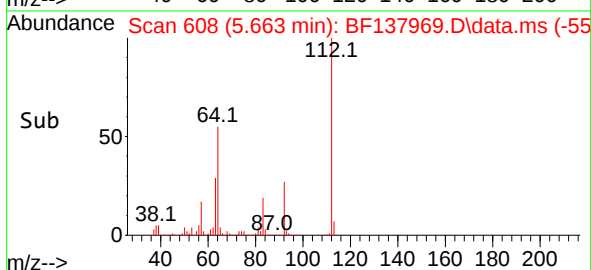
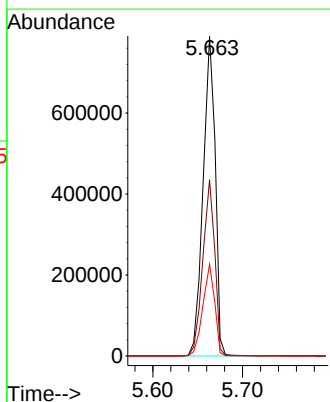
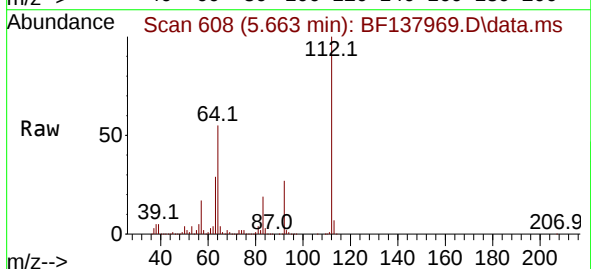
APPROVED

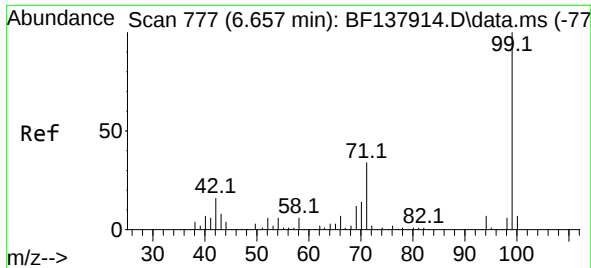
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 91.320 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

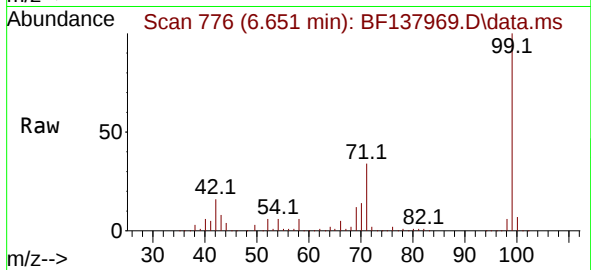
Tgt Ion:112 Resp: 741751
Ion Ratio Lower Upper
112 100
64 55.1 42.4 63.6
63 28.7 21.4 32.2





#7
Phenol-d6
Concen: 93.577 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

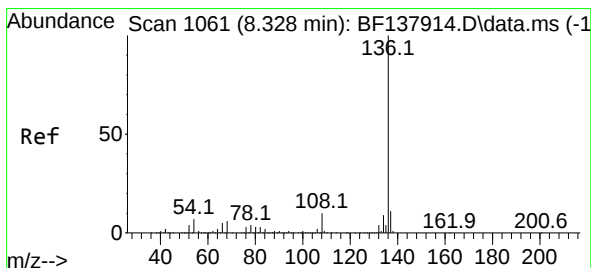
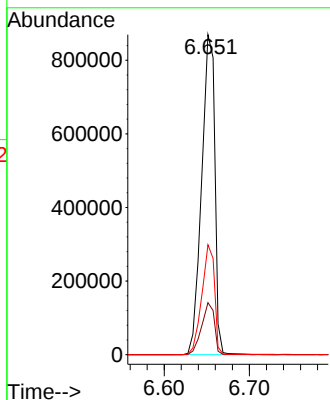
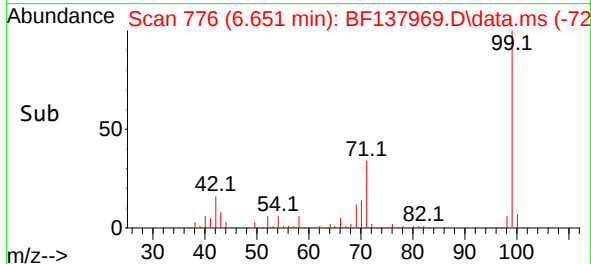
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP



Tgt Ion: 99 Resp: 93629
Ion Ratio Lower Upper
99 100
42 16.2 12.6 18.8
71 34.3 27.1 40.7

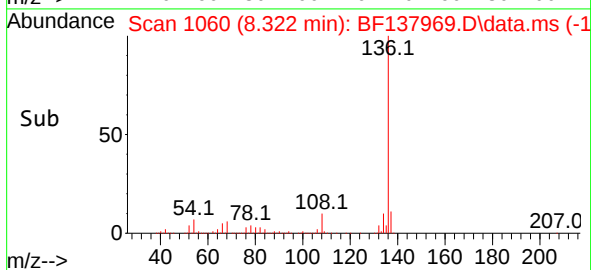
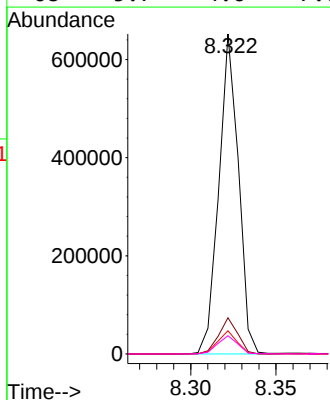
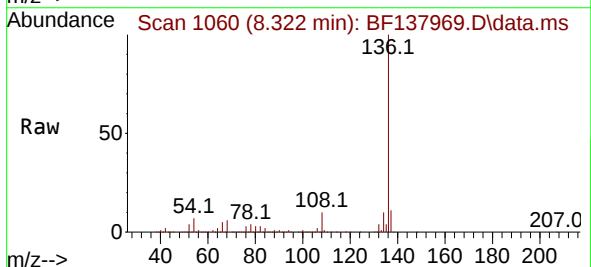
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Supervised By :mohammad ahmed 05/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:136 Resp: 522025
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 7.3 5.4 8.2
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 63.730 ng

RT: 7.598 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

Tgt Ion: 82 Resp: 56531

Ion Ratio Lower Upper

82 100

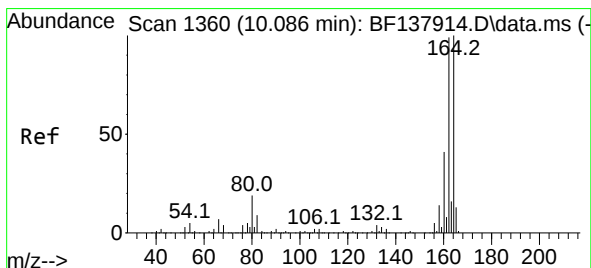
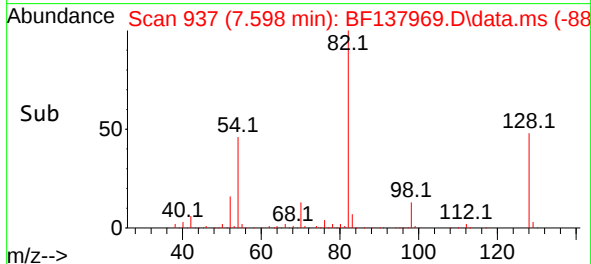
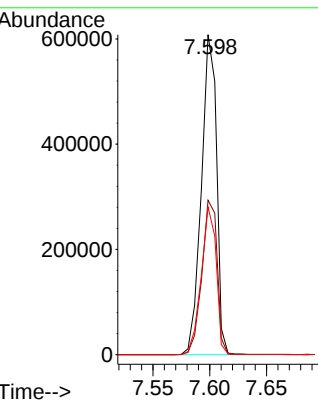
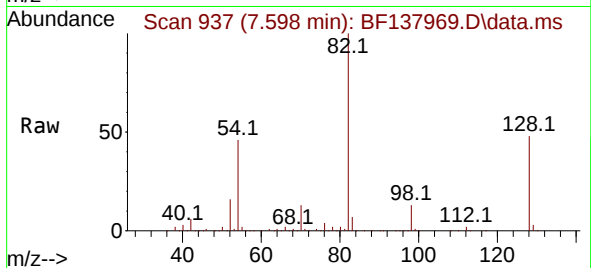
128 48.3 40.3 60.5

54 46.2 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: BF137969.D

Acq: 20 May 2024 20:06

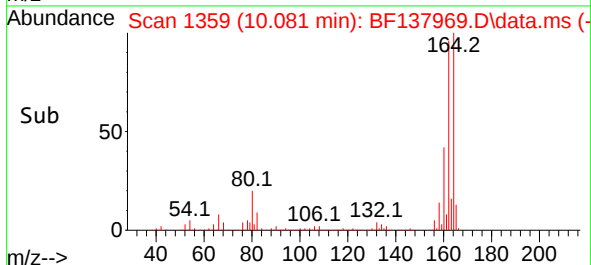
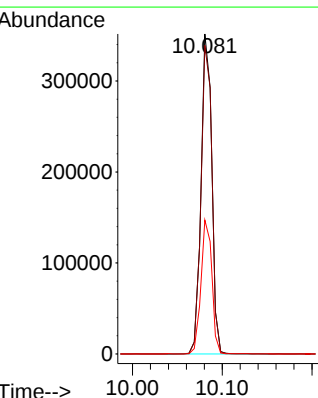
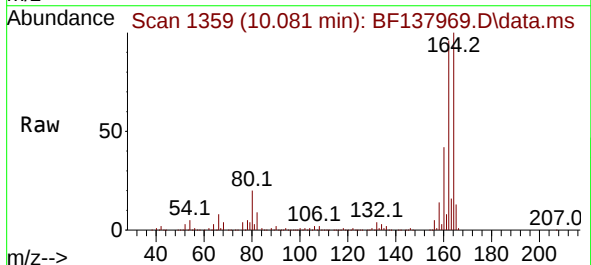
Tgt Ion:164 Resp: 292222

Ion Ratio Lower Upper

164 100

162 96.4 79.4 119.2

160 41.9 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 92.562 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

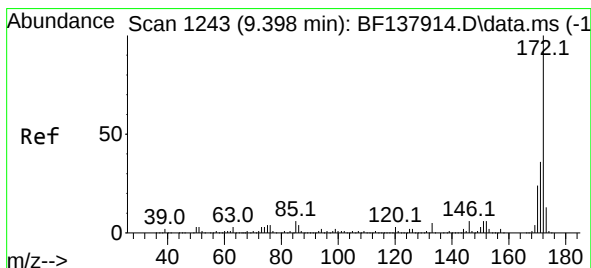
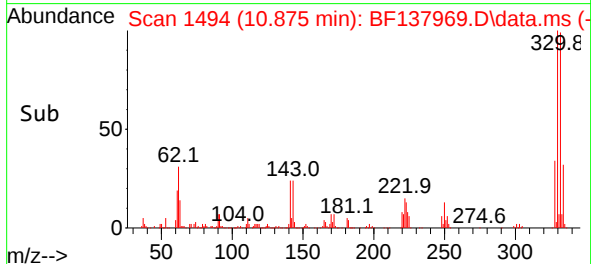
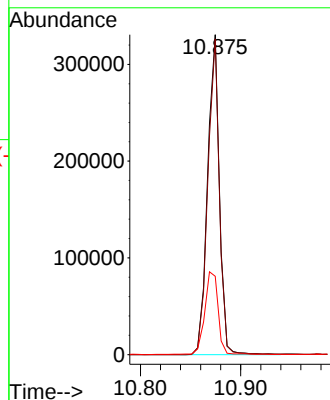
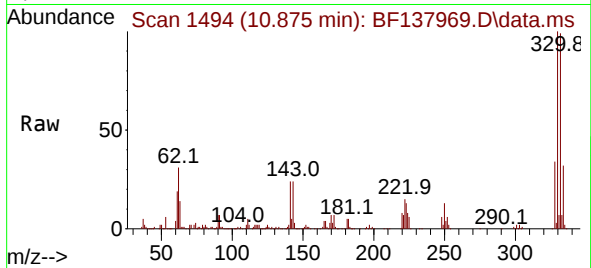
WC-A-COMP

Tgt Ion:330 Resp: 272732
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.8
141 29.8 23.8 35.6

Manual Integrations

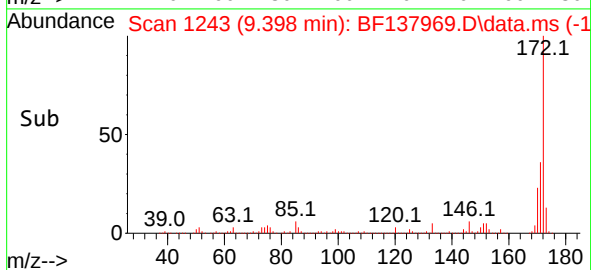
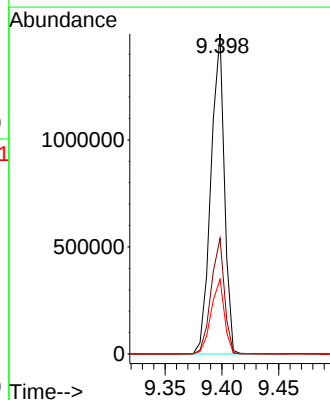
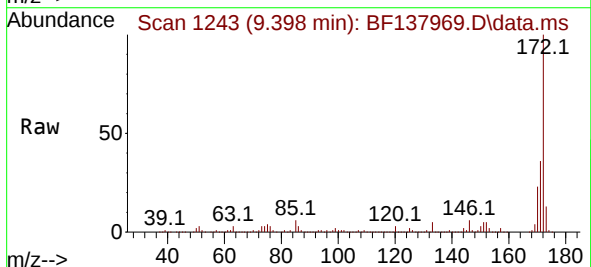
APPROVED

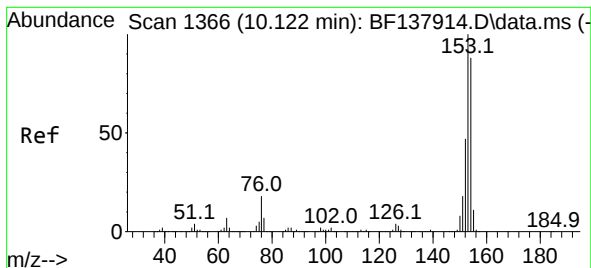
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#45
2-Fluorobiphenyl
Concen: 64.856 ng
RT: 9.398 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:172 Resp: 1230356
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 23.3 18.9 28.3





#52

Acenaphthene

Concen: 3.425 ng

RT: 10.116 min Scan# 1365

Delta R.T. -0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

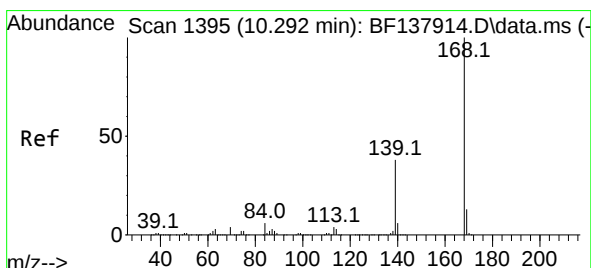
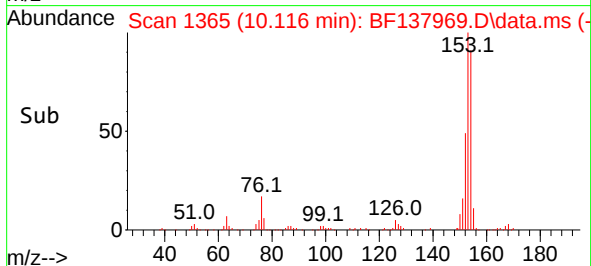
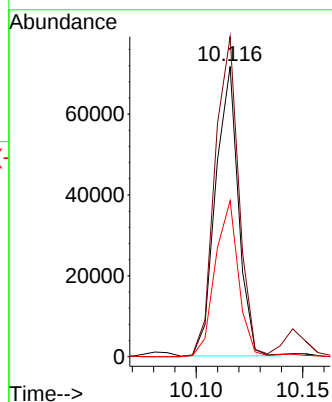
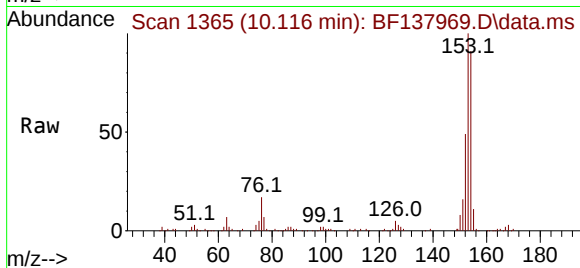
WC-A-COMP

Tgt Ion:154	Resp:	53249
Ion Ratio	Lower	Upper
154	100	
153	110.3	90.4 135.6
152	53.7	42.3 63.5

Manual Integrations

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



#55

Dibenzofuran

Concen: 2.104 ng

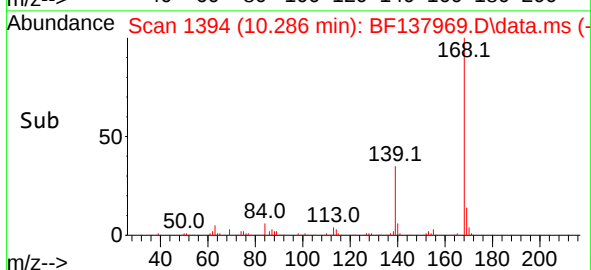
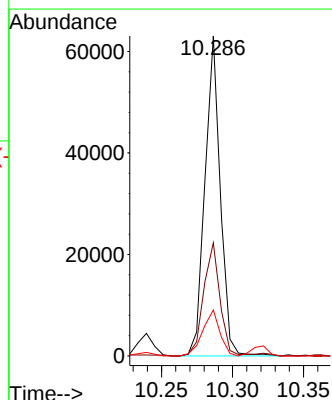
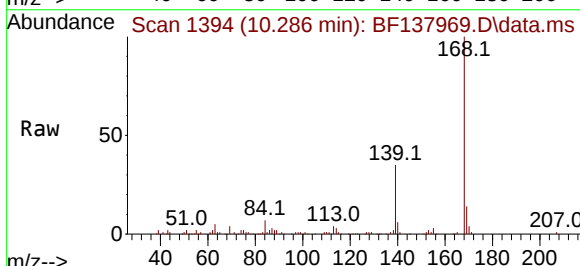
RT: 10.286 min Scan# 1394

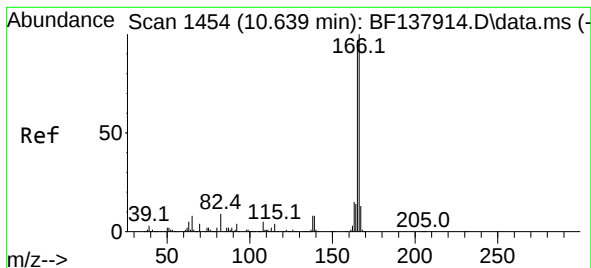
Delta R.T. -0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

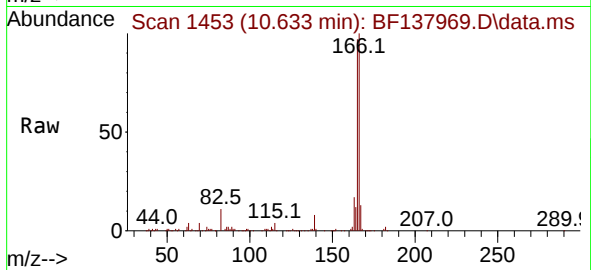
Tgt Ion:168	Resp:	47613
Ion Ratio	Lower	Upper
168	100	
139	35.4	30.4 45.6
169	14.4	10.5 15.7





#58
Fluorene
Concen: 3.816 ng m
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

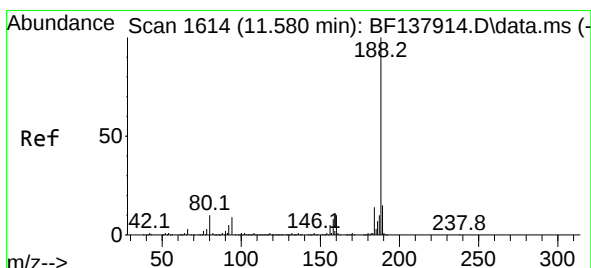
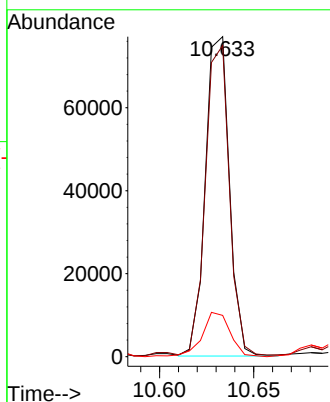
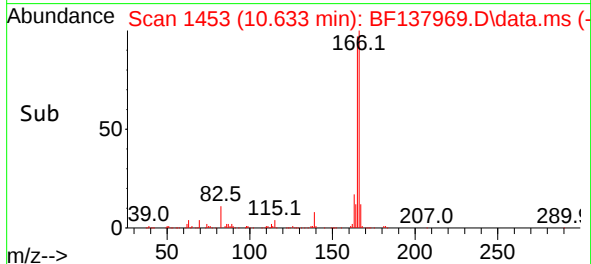
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP



Tgt Ion:166 Resp: 6830
Ion Ratio Lower Upper
166 100
165 97.2 77.8 116.8
167 12.9 10.4 15.6

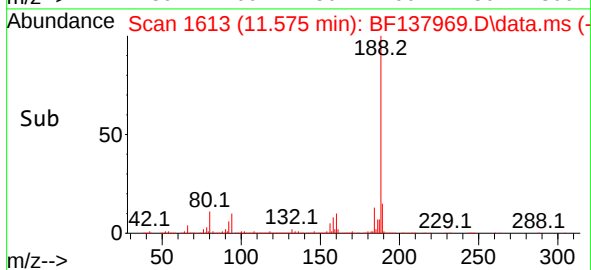
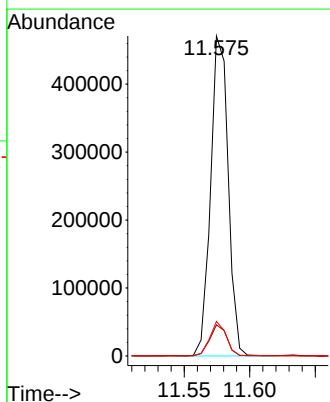
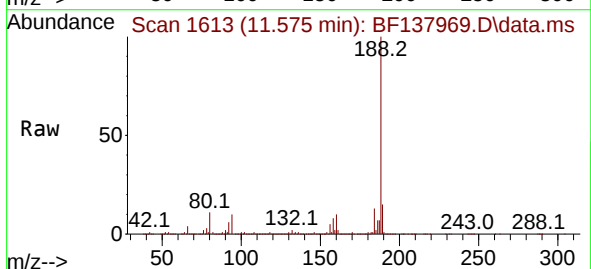
Manual Integrations
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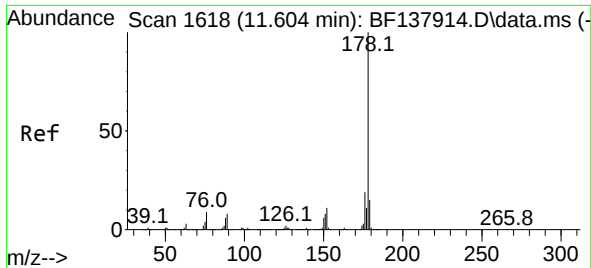
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

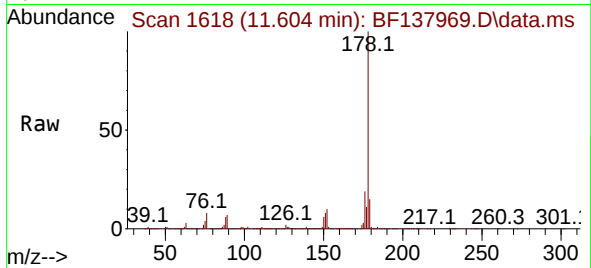
Tgt Ion:188 Resp: 439368
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.8 7.7 11.5





#71
Phenanthrene
Concen: 42.061 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

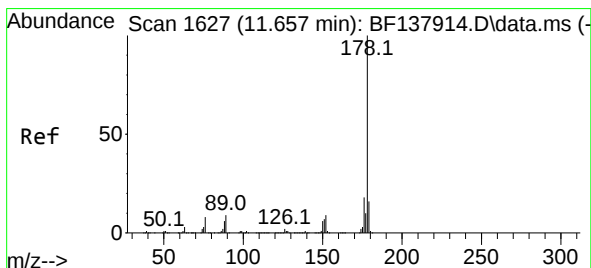
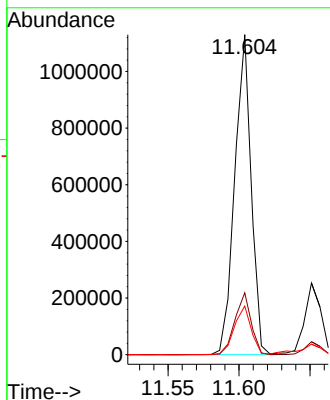
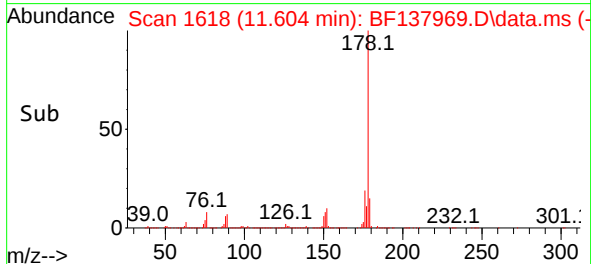
Instrument :
BNA_F
ClientSampleId :
WC-A-COMP



Tgt Ion:178 Resp: 910690
Ion Ratio Lower Upper
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176 19.4 15.2 22.8
179 15.2 12.2 18.4

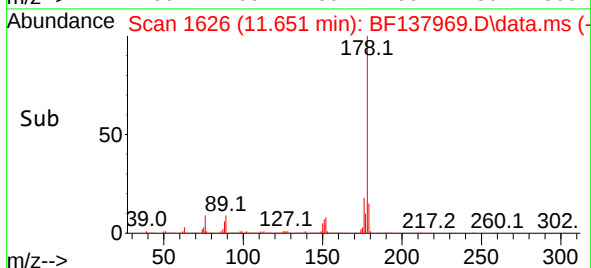
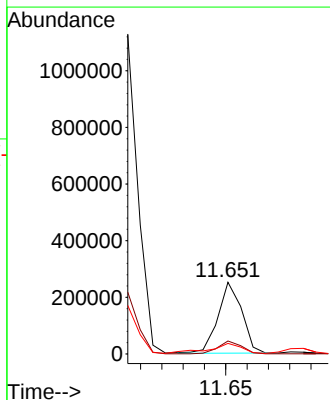
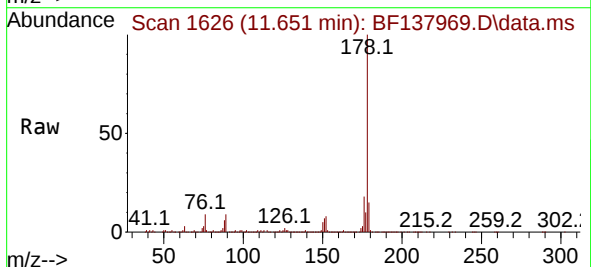
Manual Integrations
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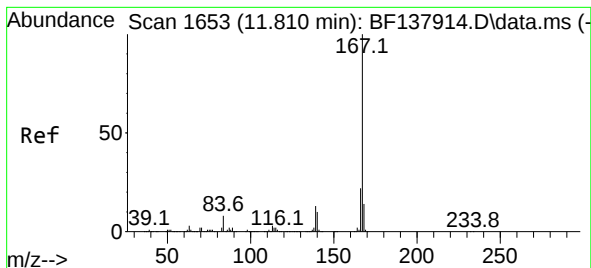
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#72
Anthracene
Concen: 9.056 ng
RT: 11.651 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Tgt Ion:178 Resp: 194542
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 14.8 12.4 18.6





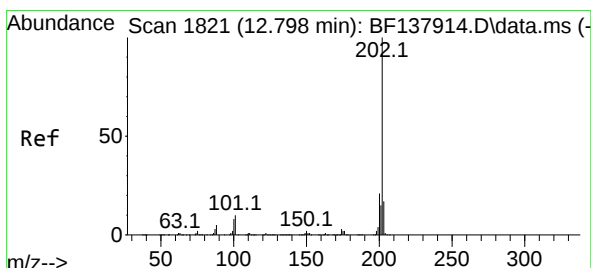
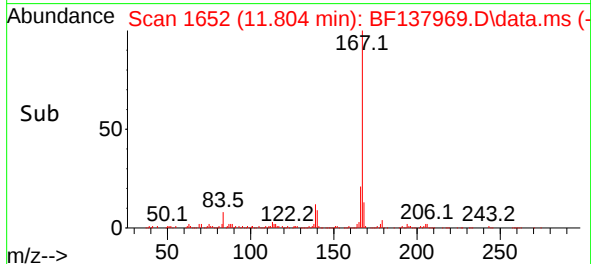
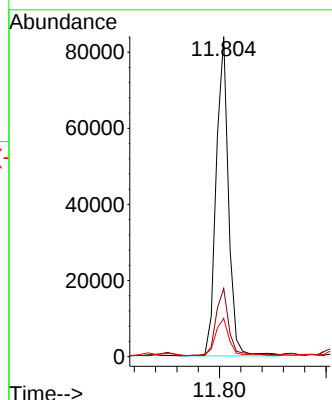
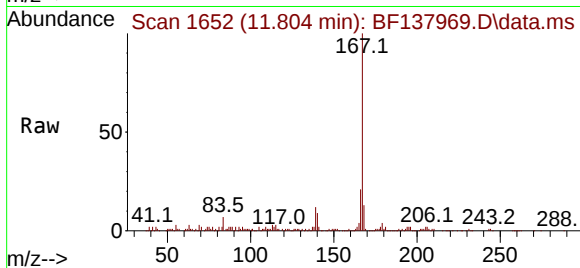
#73
 Carbazole
 Concen: 3.414 ng
 RT: 11.804 min Scan# 1652
 Delta R.T. -0.006 min
 Lab File: BF137969.D
 Acq: 20 May 2024 20:06

Instrument :
 BNA_F
 ClientSampleId :
 WC-A-COMP

Tgt Ion:167 Resp: 67000
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.3 25.9
 139 11.9 10.3 15.5

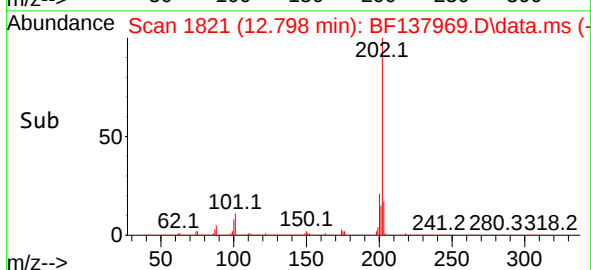
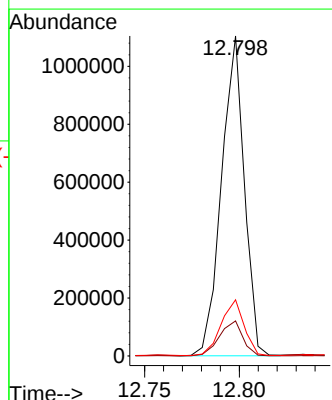
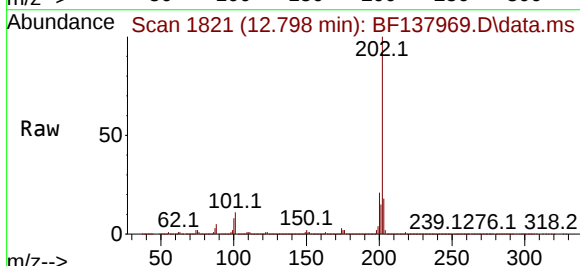
Manual Integrations
 APPROVED

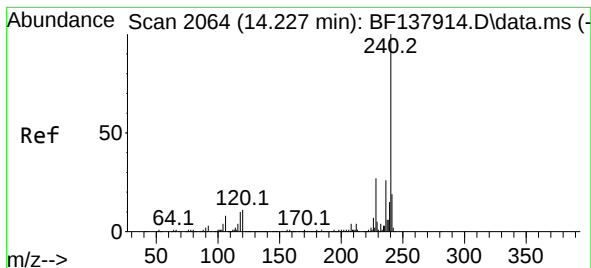
Reviewed By :Jagrut Upadhyay 05/21/2024
 Supervised By :mohammad ahmed 05/22/2024



#75
 Fluoranthene
 Concen: 42.015 ng
 RT: 12.798 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: BF137969.D
 Acq: 20 May 2024 20:06

Tgt Ion:202 Resp: 923363
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.5
 203 17.6 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

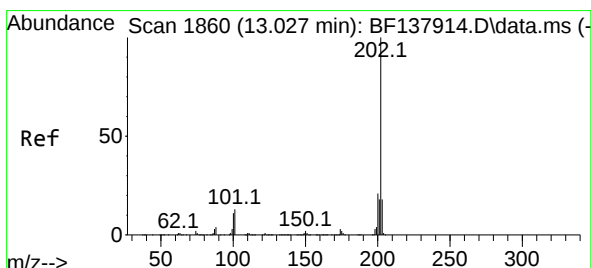
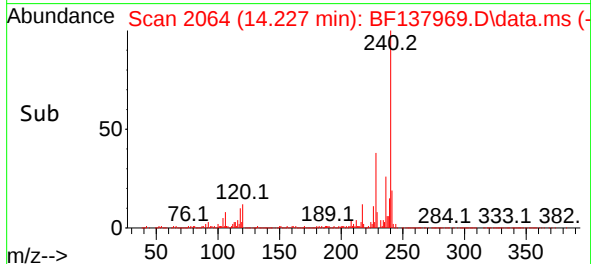
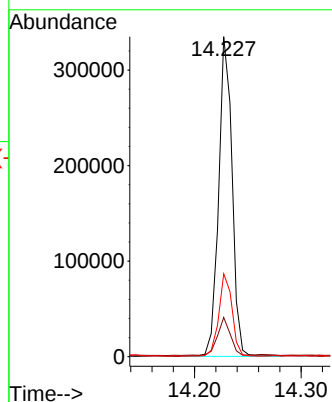
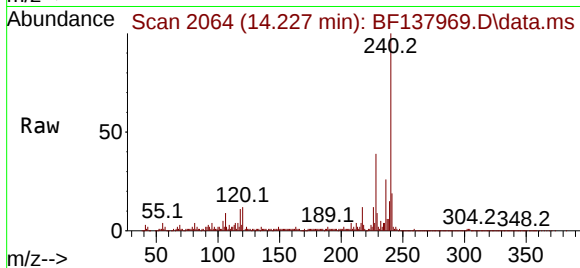
WC-A-COMP

Tgt Ion:240 Resp: 292365
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 25.9 21.0 31.4

Manual Integrations

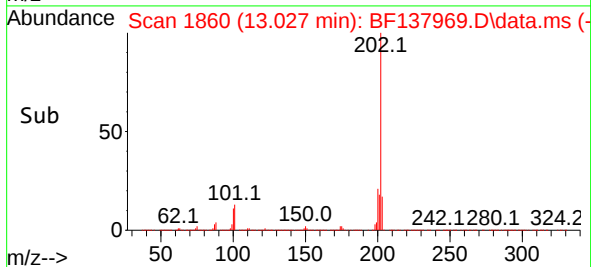
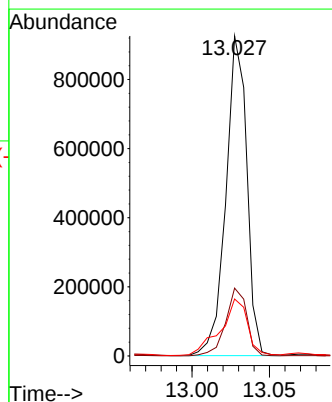
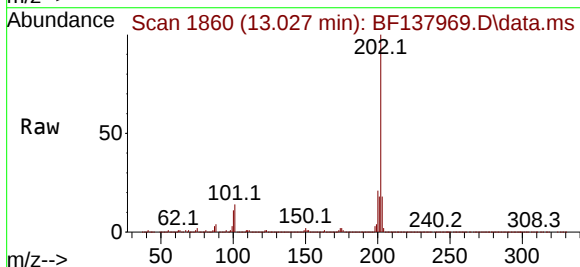
APPROVED

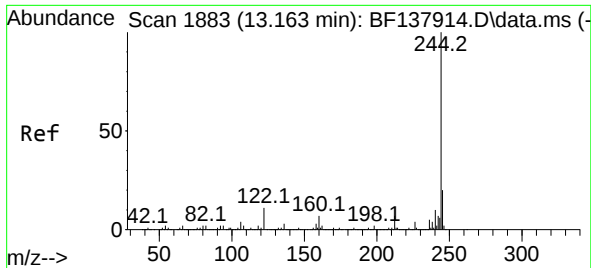
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#78
Pyrene
Concen: 33.978 ng
RT: 13.027 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

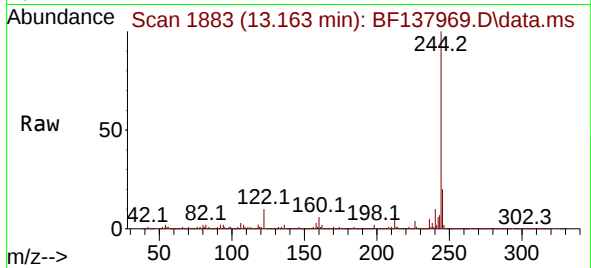
Tgt Ion:202 Resp: 868879
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 52.135 ng
 RT: 13.163 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: BF137969.D
 Acq: 20 May 2024 20:06

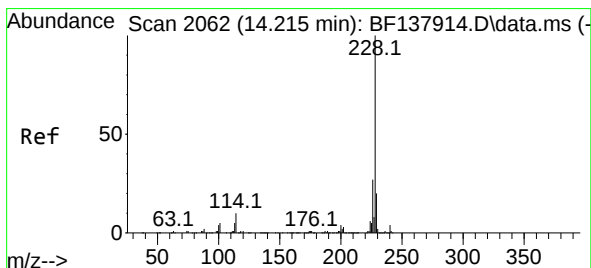
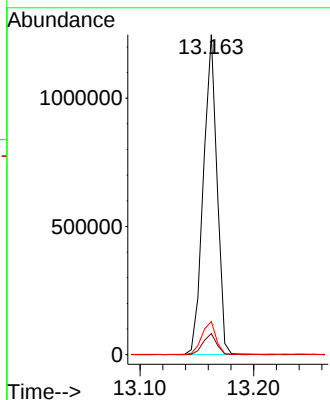
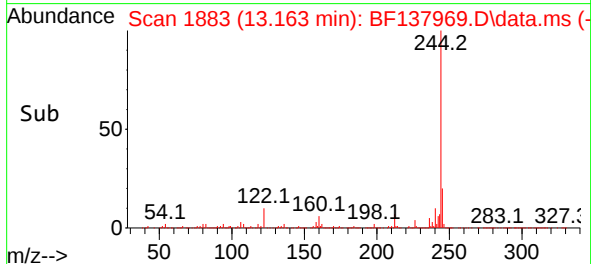
Instrument :
 BNA_F
 ClientSampleId :
 WC-A-COMP



Tgt Ion:244 Resp: 103423
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.3 8.8 13.2

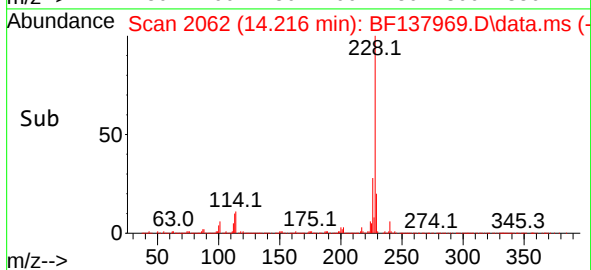
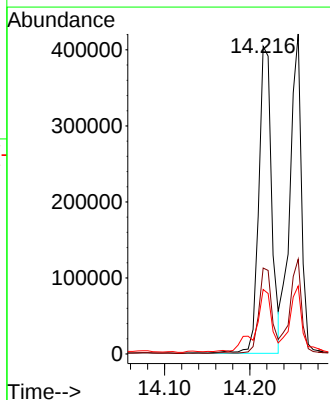
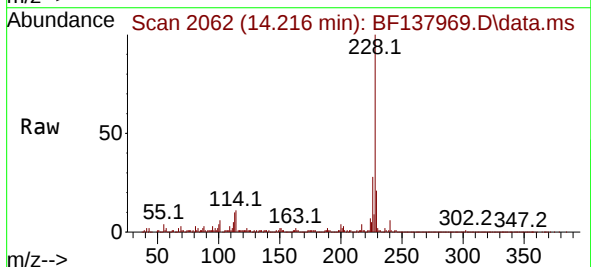
Manual Integrations
 APPROVED

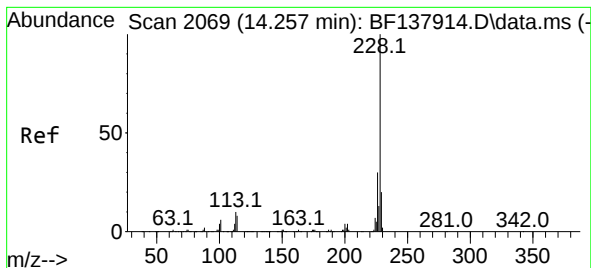
Reviewed By :Jagrut Upadhyay 05/21/2024
 Supervised By :mohammad ahmed 05/22/2024



#81
 Benzo(a)anthracene
 Concen: 23.209 ng
 RT: 14.216 min Scan# 2062
 Delta R.T. 0.000 min
 Lab File: BF137969.D
 Acq: 20 May 2024 20:06

Tgt Ion:228 Resp: 429296
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.3 31.9
 229 21.0 15.7 23.5





#83

Chrysene

Concen: 22.350 ng

RT: 14.257 min Scan# 2069

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

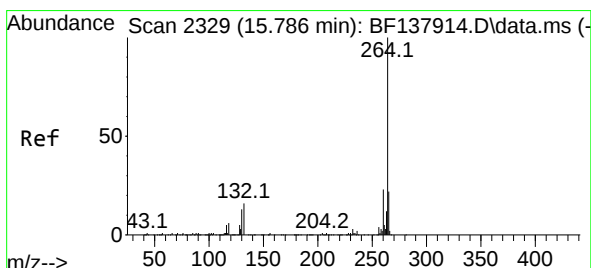
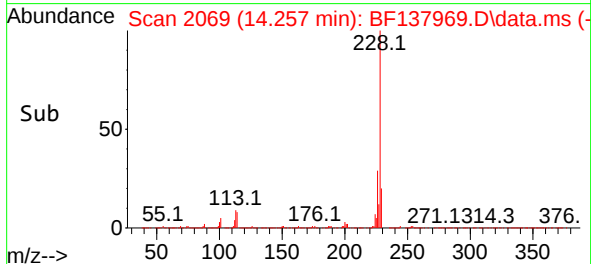
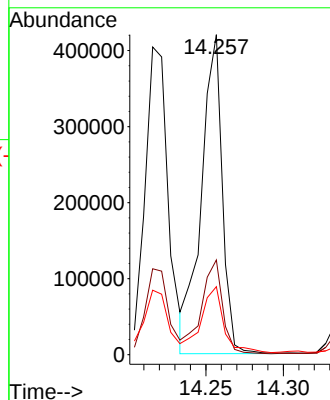
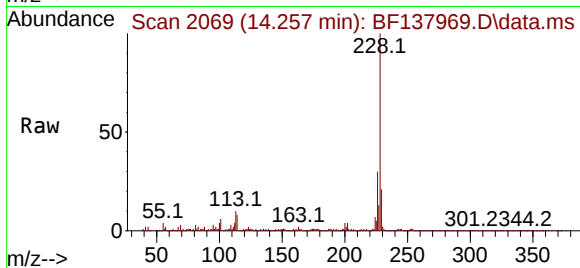
WC-A-COMP

Tgt Ion:228	Resp: 39536
Ion Ratio	Lower Upper
228 100	
226 29.6	23.8 35.8
229 21.3	15.6 23.4

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

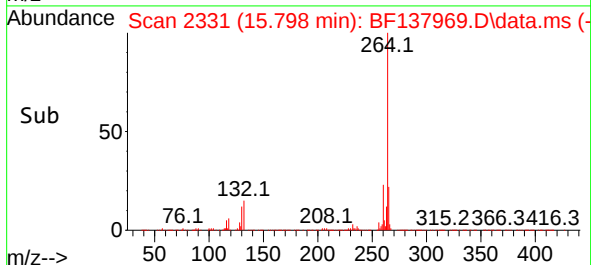
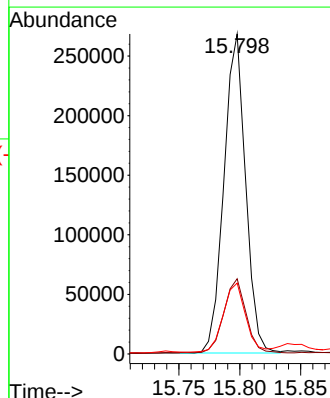
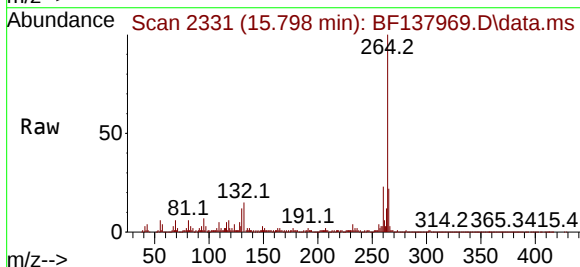
RT: 15.798 min Scan# 2331

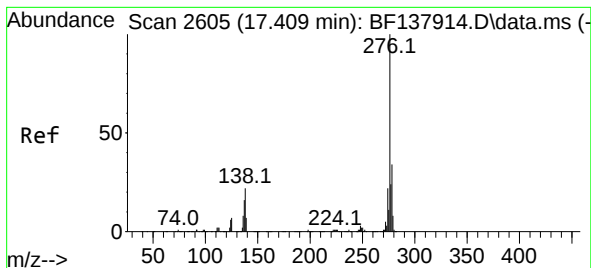
Delta R.T. 0.012 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Tgt Ion:264	Resp: 331272
Ion Ratio	Lower Upper
264 100	
260 23.5	18.3 27.5
265 22.2	17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.824 ng

RT: 17.415 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

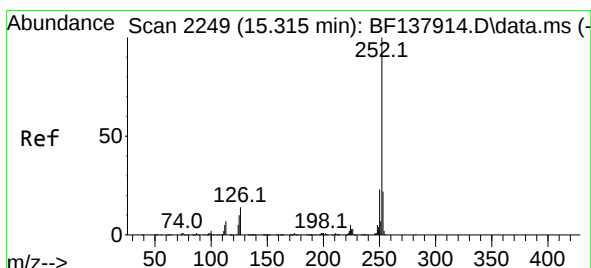
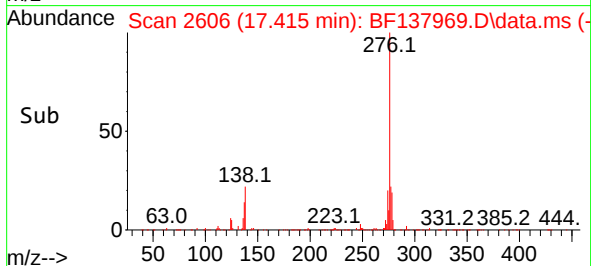
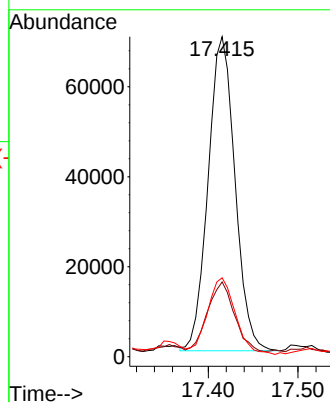
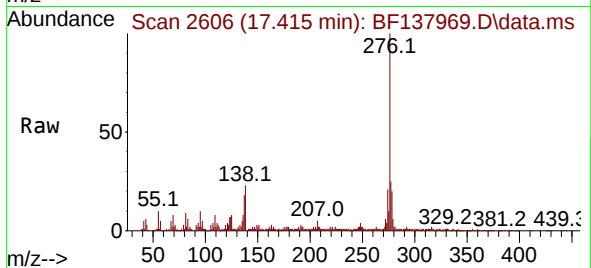
WC-A-COMP

Tgt Ion:	276	Resp:	14523
Ion Ratio	Lower	Upper	
276	100		
138	22.0	20.6	30.8
277	25.5	20.2	30.2

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 24.759 ng m

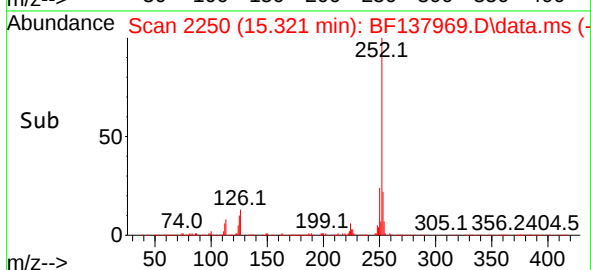
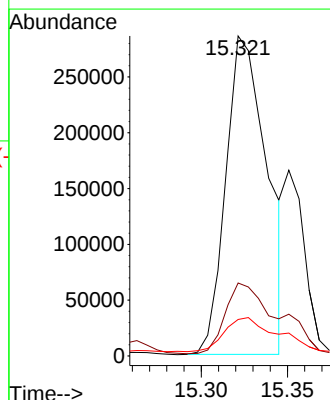
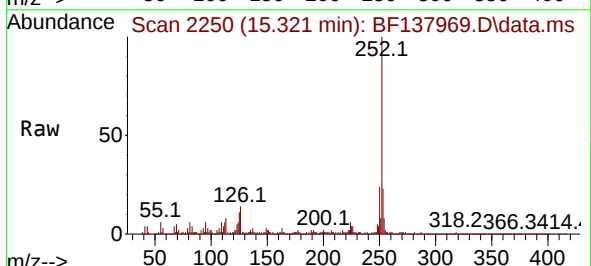
RT: 15.321 min Scan# 2250

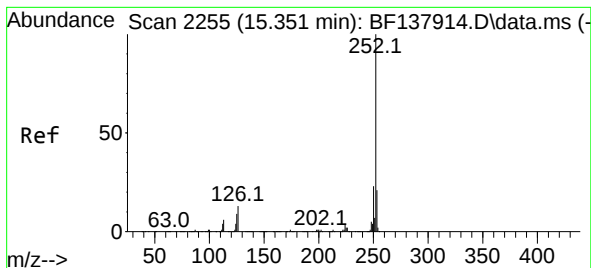
Delta R.T. 0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Tgt Ion:	252	Resp:	474900
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	11.4	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 7.249 ng m

RT: 15.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

Instrument :

BNF

ClientSampleId :

WC-A-COMP

Tgt Ion:252 Resp: 13660

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

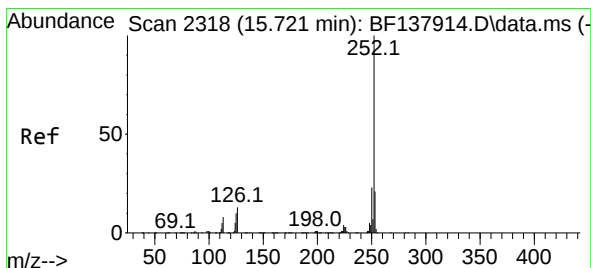
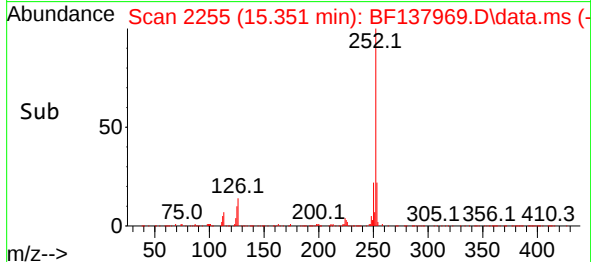
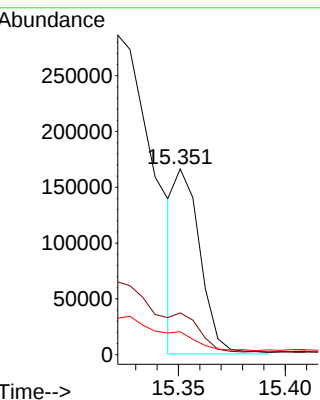
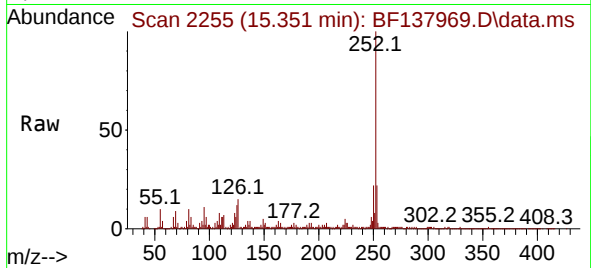
125 12.3 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/21/2024

Supervised By :mohammad ahmed 05/22/2024



#90

Benzo(a)pyrene

Concen: 20.663 ng

RT: 15.727 min Scan# 2319

Delta R.T. 0.006 min

Lab File: BF137969.D

Acq: 20 May 2024 20:06

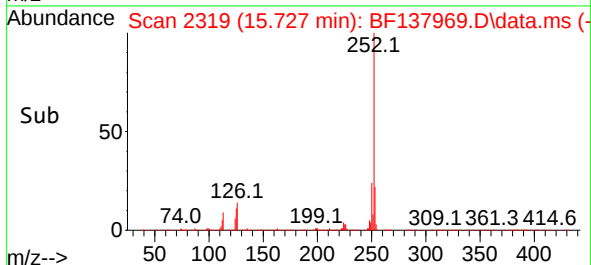
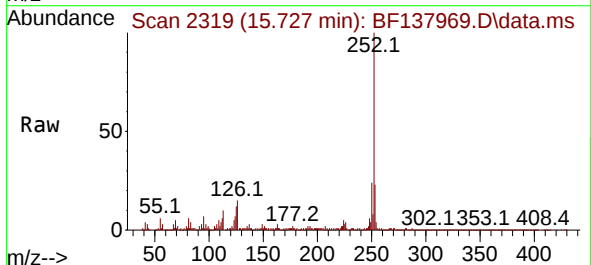
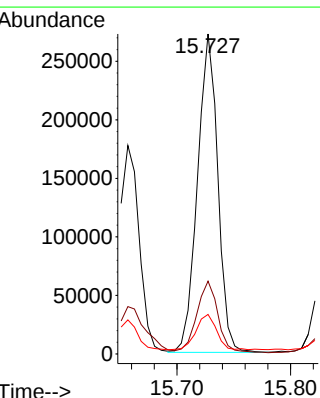
Tgt Ion:252 Resp: 338428

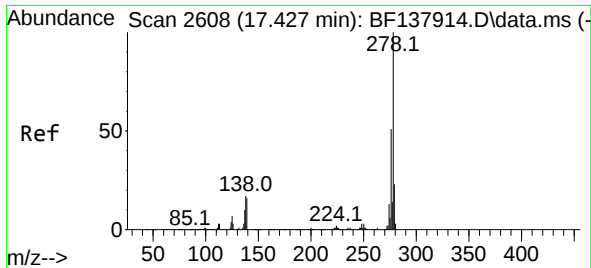
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 12.3 7.8 11.8#





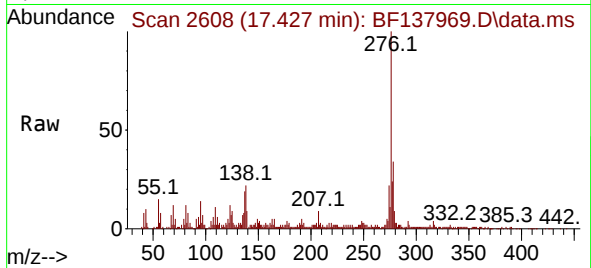
#91
Dibenzo(a,h)anthracene
Concen: 2.135 ng m
RT: 17.427 min Scan# 2608
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06

Instrument :

BNA_F

ClientSampleId :

WC-A-COMP

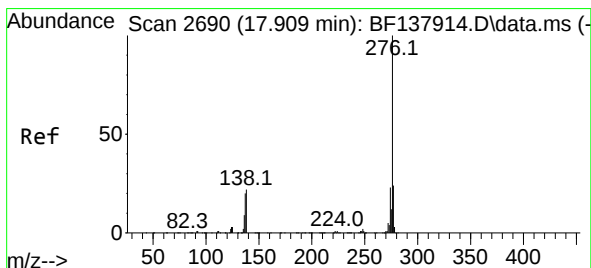
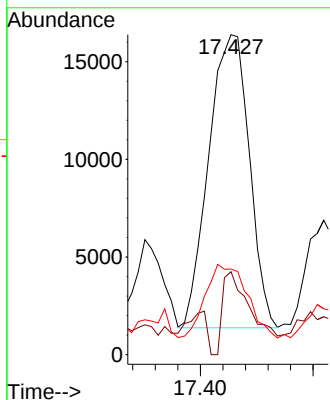
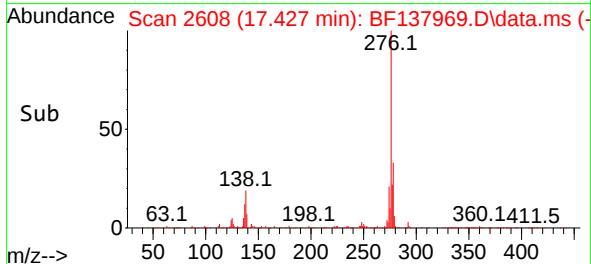


Tgt Ion:278 Resp: 37530
Ion Ratio Lower Upper
278 100
139 25.9 13.1 19.7
279 26.8 18.5 27.7

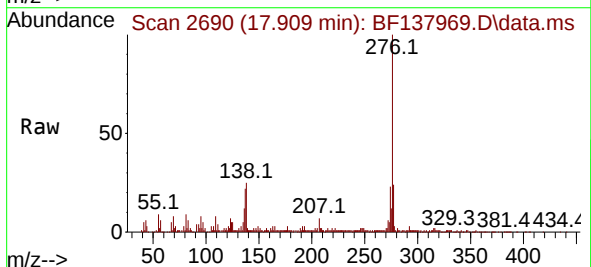
Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 7.241 ng
RT: 17.909 min Scan# 2690
Delta R.T. 0.000 min
Lab File: BF137969.D
Acq: 20 May 2024 20:06



Tgt Ion:276 Resp: 133764
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 24.5 17.6 26.4

