

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
 Data File : BF137680.D
 Acq On : 22 Mar 2024 14:26
 Operator : CG\JU
 Sample : P1817-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-148-SB03

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/26/2024
 Supervised By :mohammad ahmed 03/26/2024

Quant Time: Mar 22 14:52:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	191886	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	744097	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	412385	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	655752	20.000	ng	0.00
76) Chrysene-d12	13.880	240	364651	20.000	ng	0.00
86) Perylene-d12	15.304	264	393112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1116953	88.160	ng	0.01
7) Phenol-d6	6.369	99	1526075	83.446	ng	0.00
23) Nitrobenzene-d5	7.292	82	956631	59.735	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	340702	94.079	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1530947	58.113	ng	0.00
79) Terphenyl-d14	12.827	244	1263804	47.658	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.792	154	65153	2.963	ng	99
58) Fluorene	10.304	166	63685	2.476	ng	98
71) Phenanthrene	11.268	178	758973	21.267	ng	100
72) Anthracene	11.316	178	192079	5.240	ng	97
73) Carbazole	11.480	167	68442	2.180	ng	97
75) Fluoranthene	12.457	202	838538	24.038	ng	96
78) Pyrene	12.680	202	677598	18.938	ng	99
81) Benzo(a)anthracene	13.868	228	349503	13.675	ng	99
83) Chrysene	13.904	228	303961	11.767	ng	97
84) Bis(2-ethylhexyl)phtha...	13.862	149	24203	2.084	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.692	276	135887	5.253	ng	# 92
88) Benzo(b)fluoranthene	14.898	252	418859m	18.012	ng	
89) Benzo(k)fluoranthene	14.921	252	114434m	4.582	ng	
90) Benzo(a)pyrene	15.245	252	266390	11.625	ng	98
92) Benzo(g,h,i)perylene	17.109	276	120417	5.587	ng	95

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

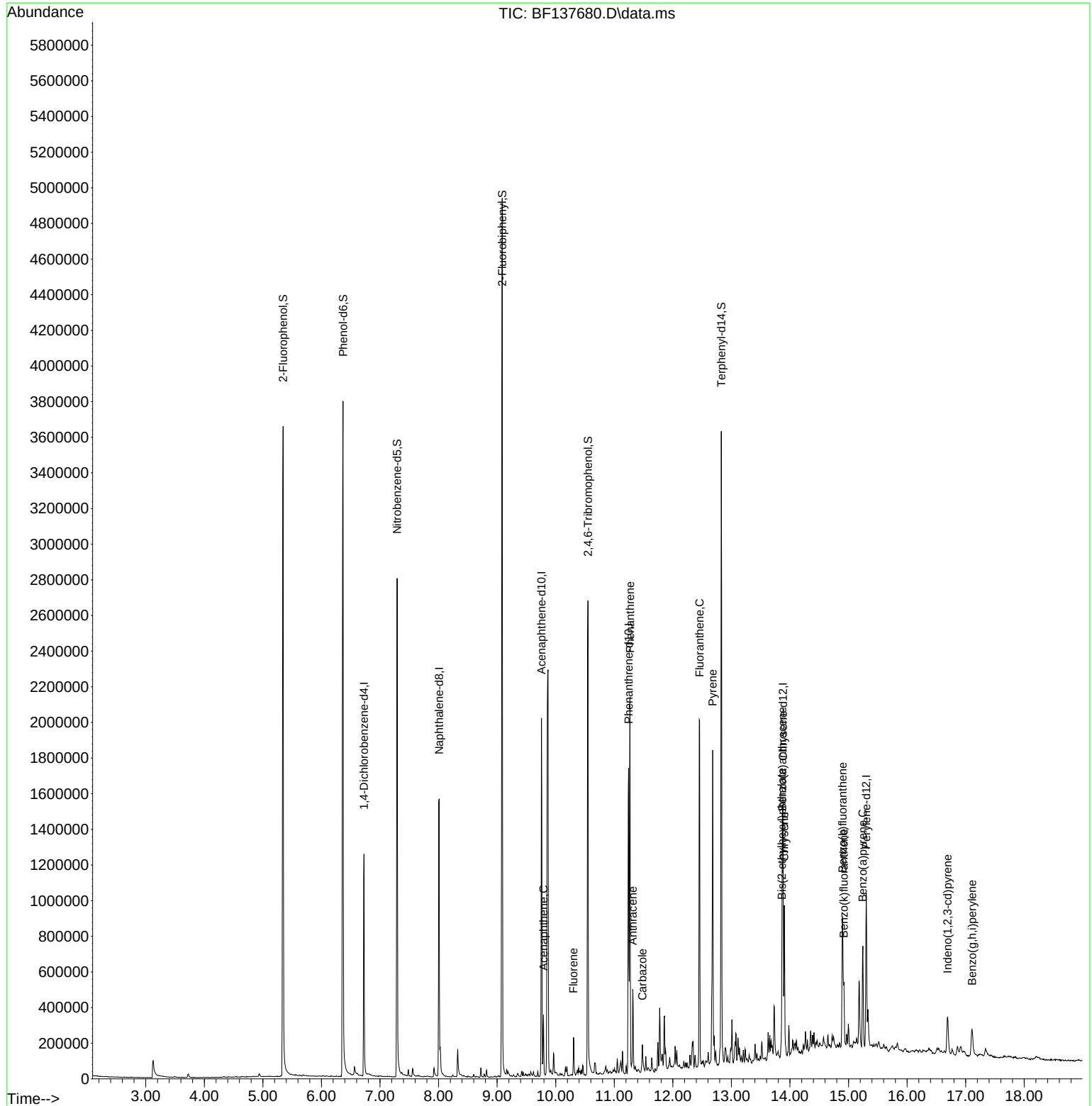
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
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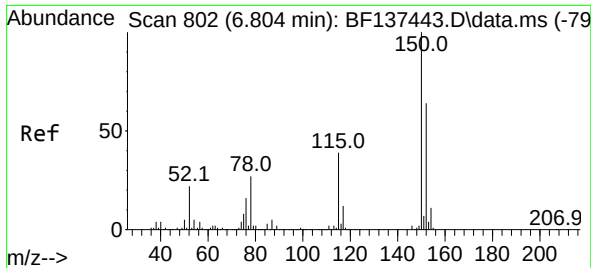
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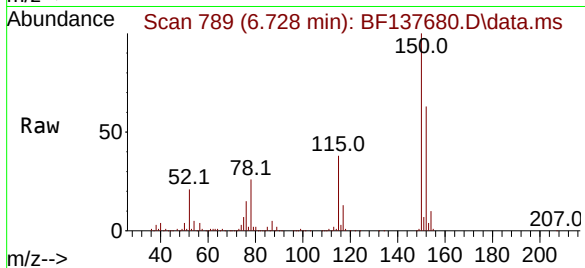
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

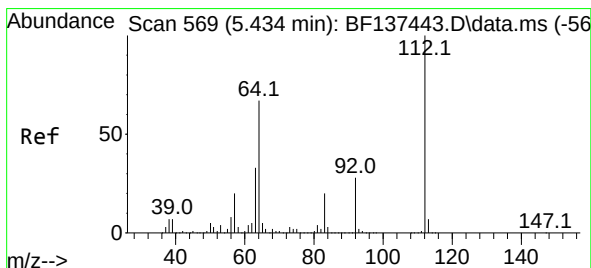
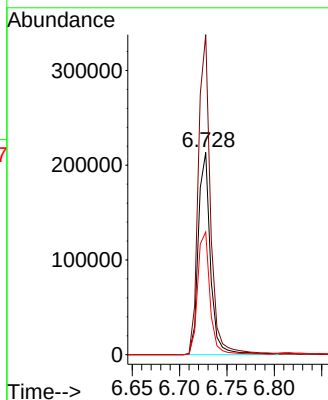
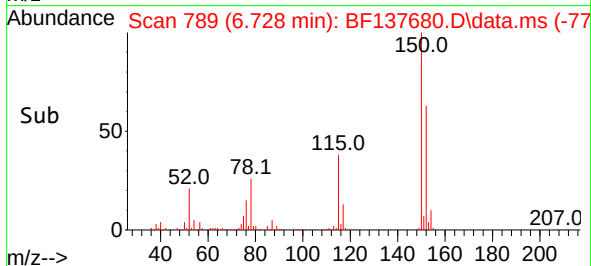
Instrument :
BNA_F
ClientSampleId :
B-148-SB03



Tgt Ion:152 Resp: 191880
Ion Ratio Lower Upper
152 100
150 158.2 125.8 188.6
115 60.7 48.8 73.2

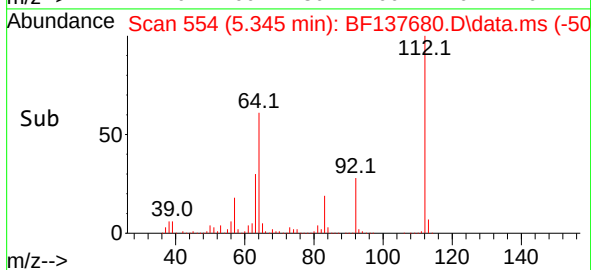
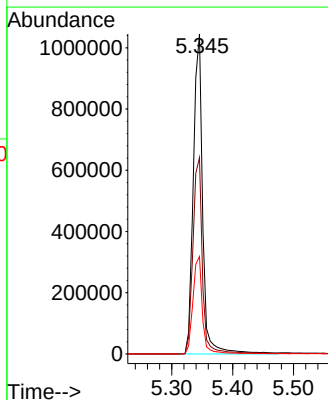
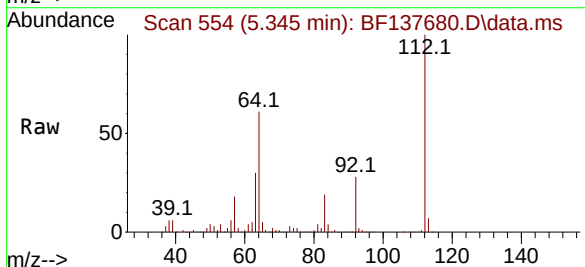
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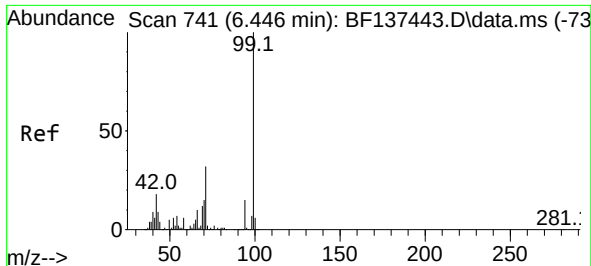
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#5
2-Fluorophenol
Concen: 88.160 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.011 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

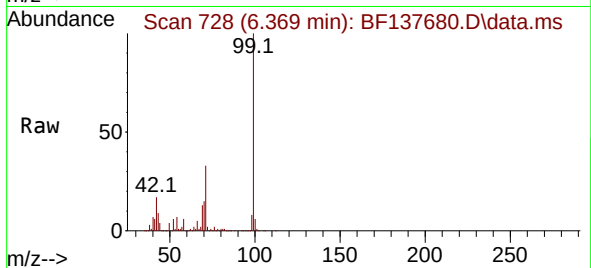
Tgt Ion:112 Resp: 1116953
Ion Ratio Lower Upper
112 100
64 61.4 53.4 80.2
63 30.5 26.2 39.2





#7
Phenol-d6
Concen: 83.446 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

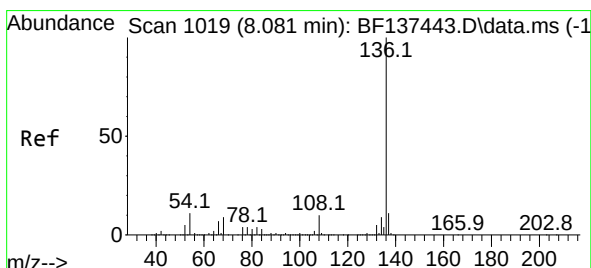
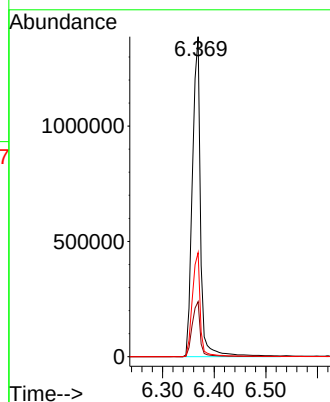
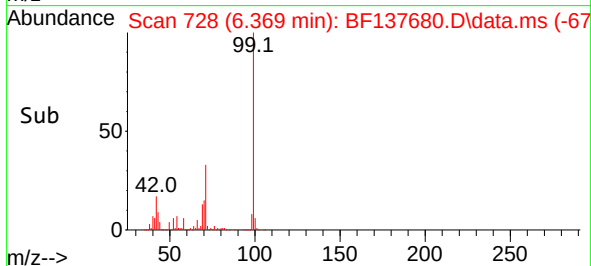
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 152607
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 32.5 25.3 37.9

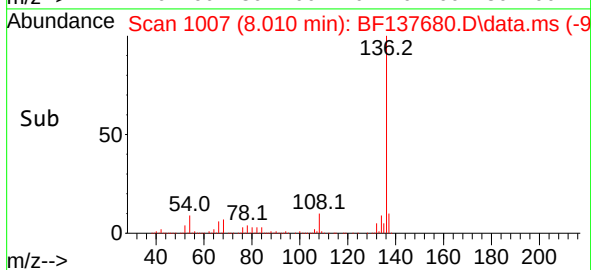
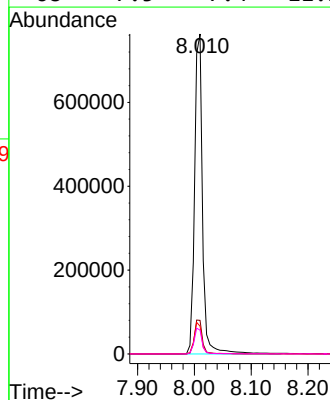
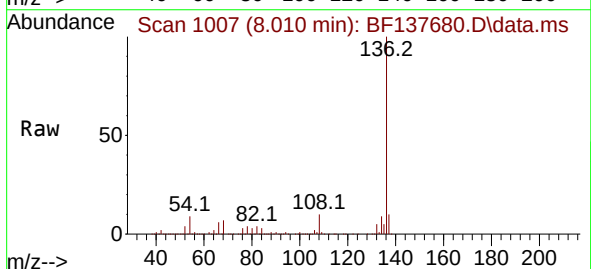
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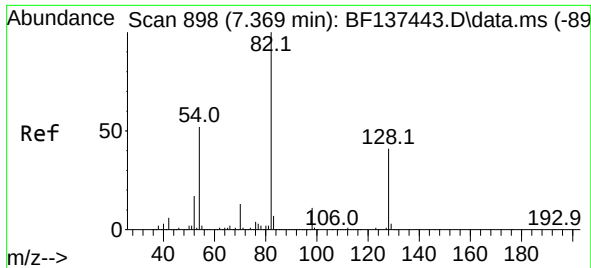
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Tgt Ion:136 Resp: 744097
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 8.7 8.5 12.7
68 7.5 7.4 11.2





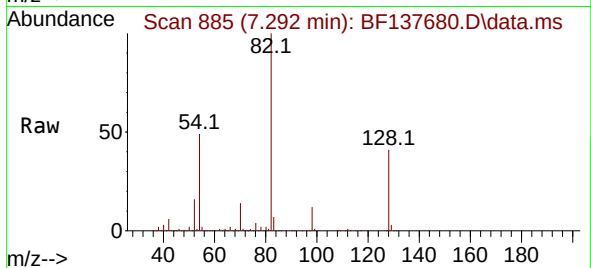
#23
Nitrobenzene-d5
Concen: 59.735 ng
RT: 7.292 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Instrument :

BNA_F

ClientSampleId :

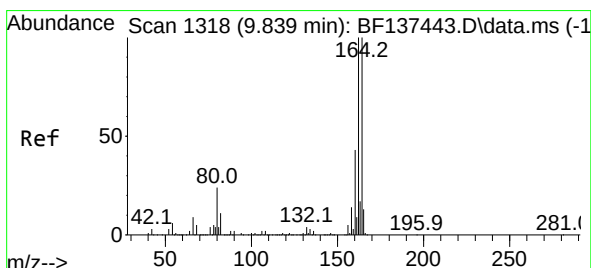
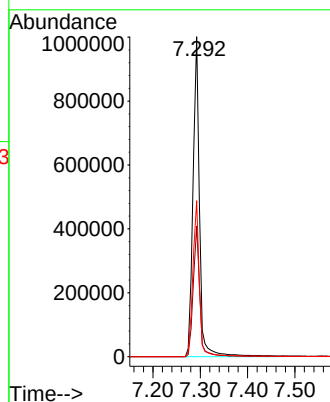
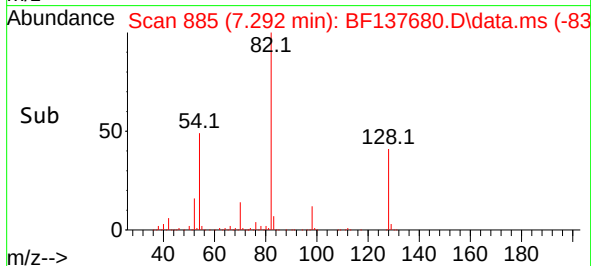
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Tgt Ion: 82 Resp: 95663
Ion Ratio Lower Upper
82 100
128 40.8 32.5 48.7
54 48.7 41.5 62.3

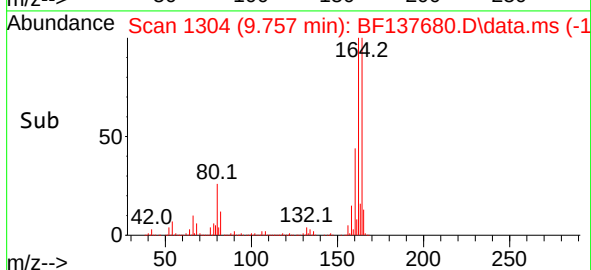
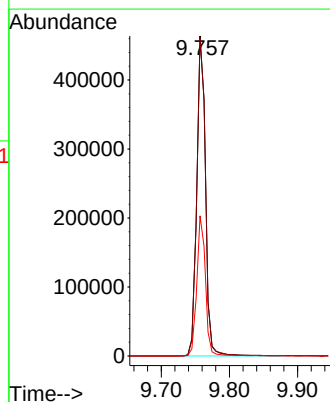
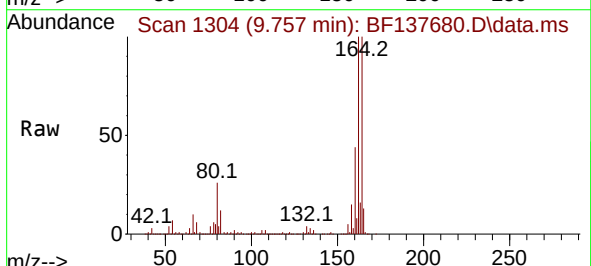
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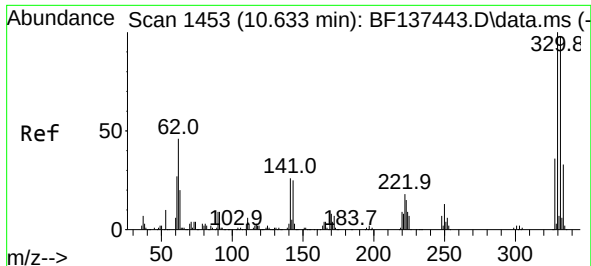
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Tgt Ion:164 Resp: 412385
Ion Ratio Lower Upper
164 100
162 99.6 79.8 119.8
160 43.8 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 94.079 ng
RT: 10.551 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Instrument :

BNA_F

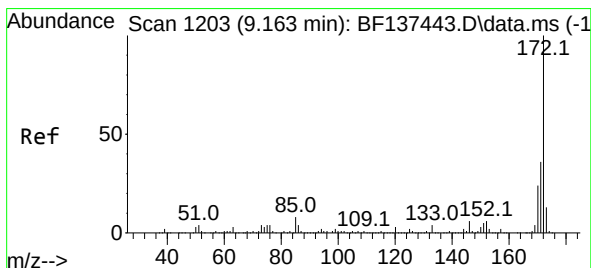
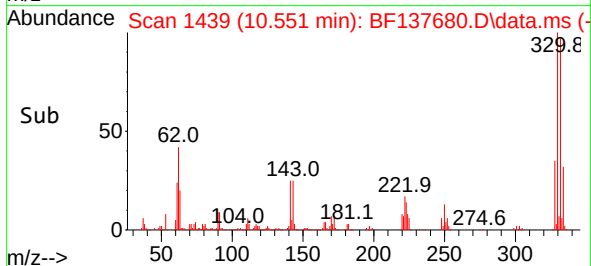
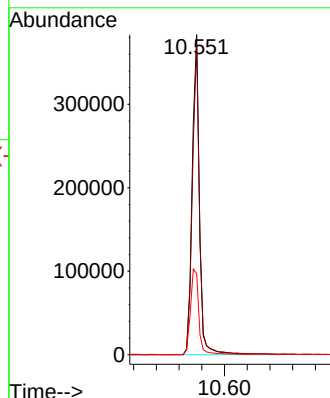
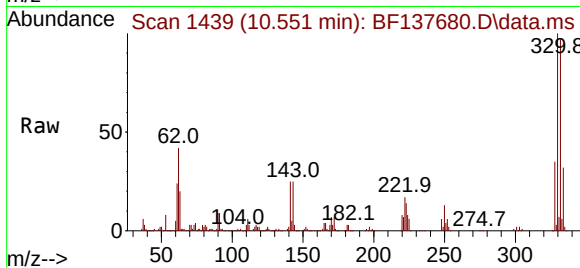
ClientSampleId :

B-148-SB03

Tgt Ion:330 Resp: 340702
Ion Ratio Lower Upper
330 100
332 94.3 78.0 117.0
141 31.0 27.3 40.9

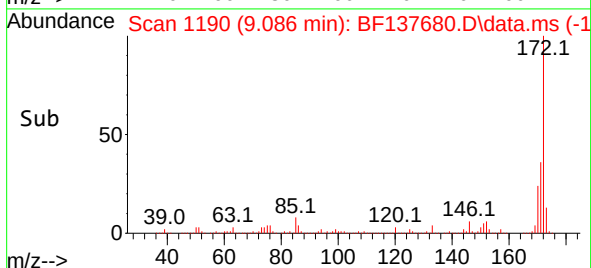
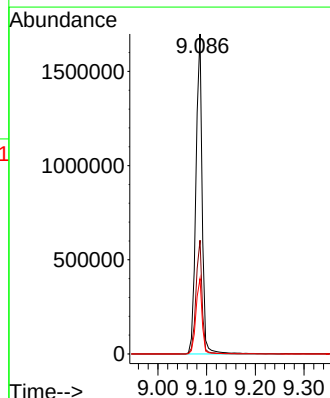
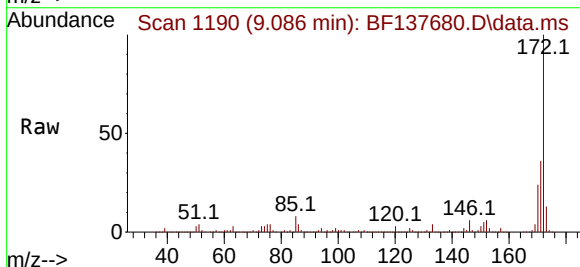
Manual Integrations
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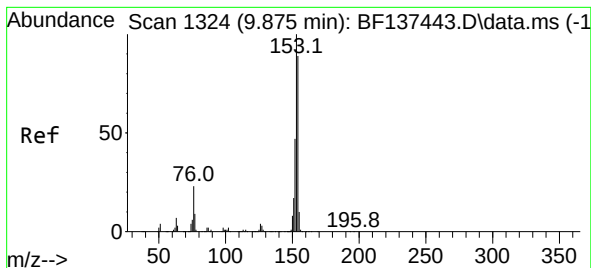
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#45
2-Fluorobiphenyl
Concen: 58.113 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Tgt Ion:172 Resp: 1530947
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.6 19.0 28.6





#52

Acenaphthene

Concen: 2.963 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137680.D

Acq: 22 Mar 2024 14:26

Instrument :

BNA_F

ClientSampleId :

B-148-SB03

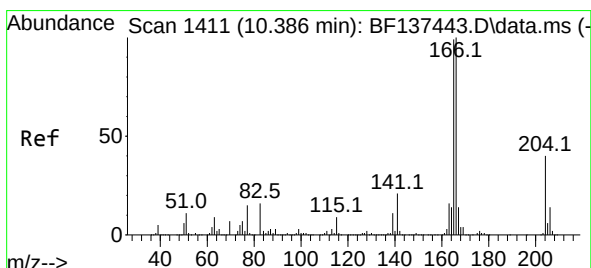
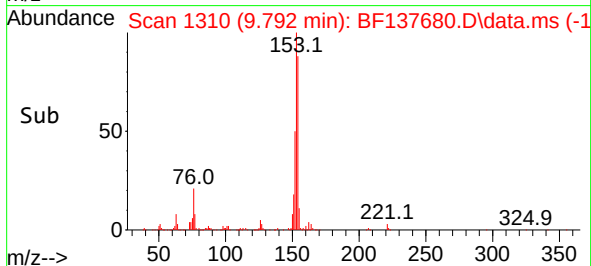
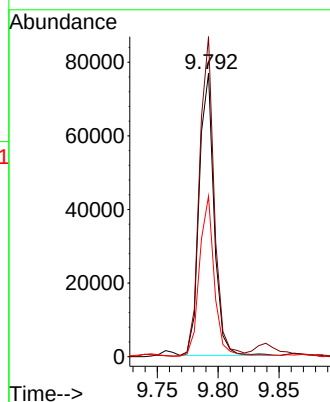
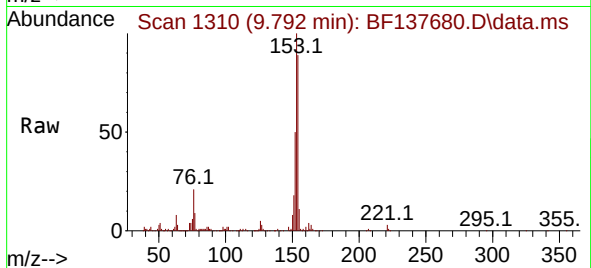
Tgt Ion:154 Resp: 6515
 Ion Ratio Lower Upper
 154 100
 153 112.9 90.3 135.5
 152 56.6 42.7 64.1

Manual Integrations

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Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#58

Fluorene

Concen: 2.476 ng

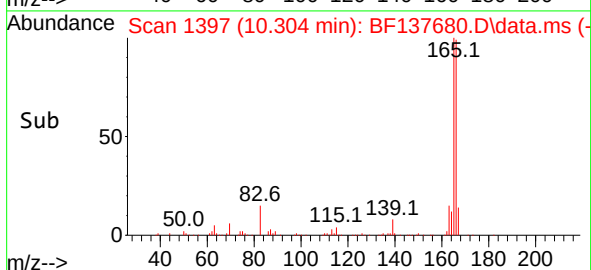
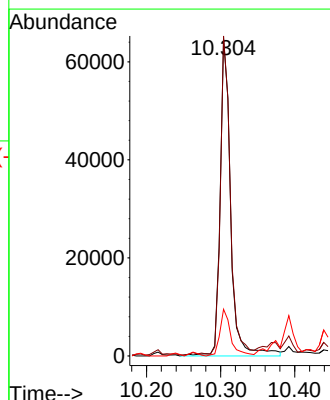
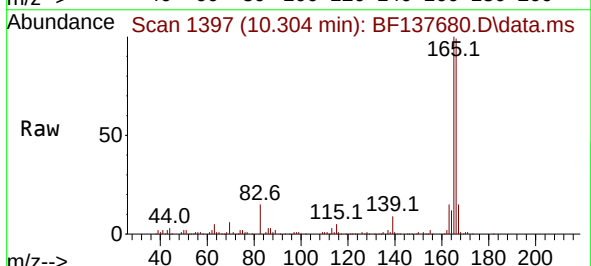
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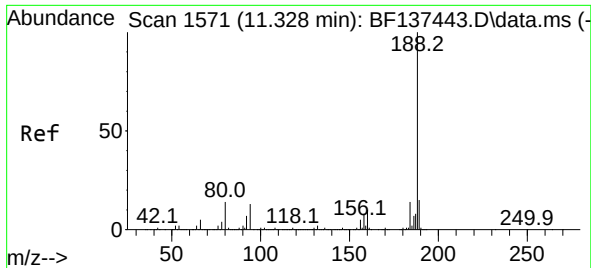
Delta R.T. -0.006 min

Lab File: BF137680.D

Acq: 22 Mar 2024 14:26

Tgt Ion:166 Resp: 63685
 Ion Ratio Lower Upper
 166 100
 165 100.9 79.2 118.8
 167 14.7 11.0 16.6





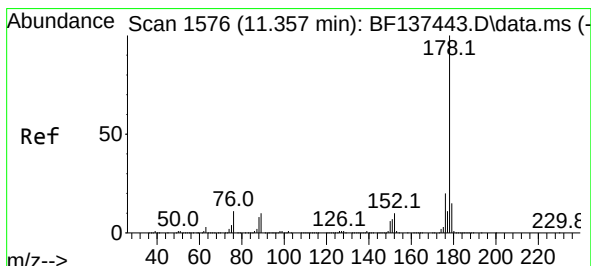
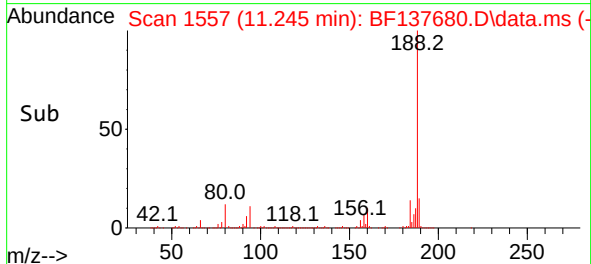
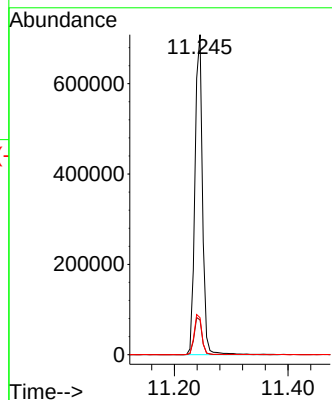
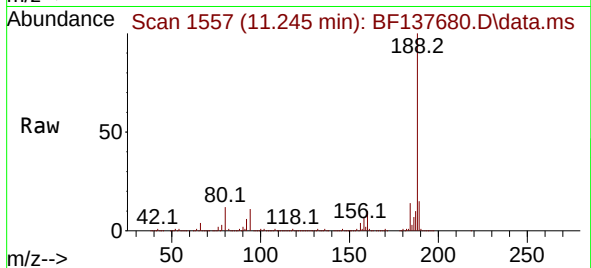
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Instrument :
BNA_F
ClientSampleId :
B-148-SB03

Tgt Ion:188 Resp: 655752
Ion Ratio Lower Upper
188 100
94 10.9 10.6 15.8
80 11.5 11.5 17.3

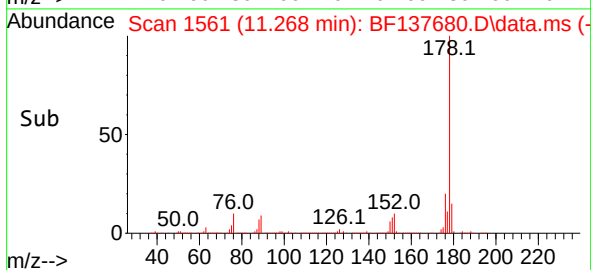
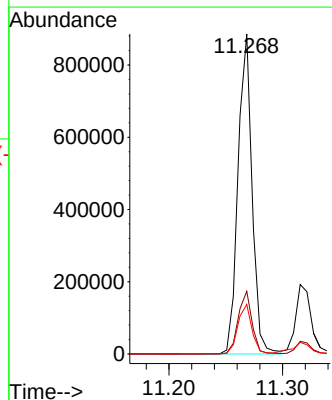
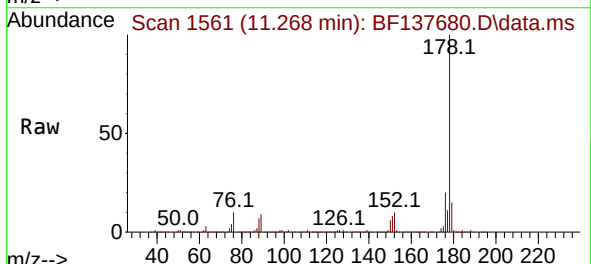
Manual Integrations
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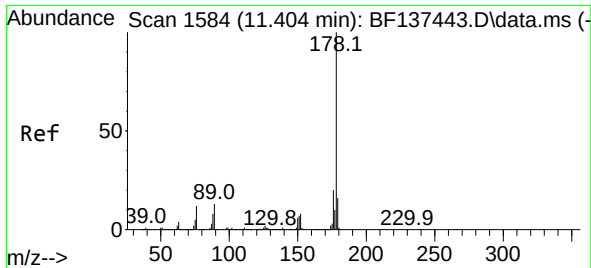
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#71
Phenanthrene
Concen: 21.267 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

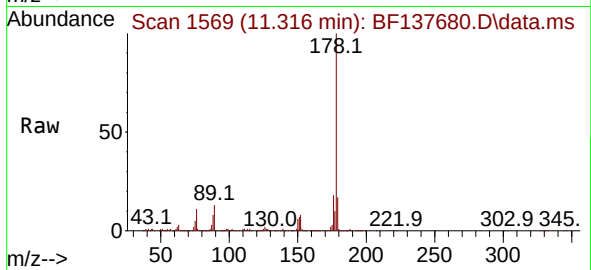
Tgt Ion:178 Resp: 758973
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.4 12.2 18.2





#72
 Anthracene
 Concen: 5.240 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF137680.D
 Acq: 22 Mar 2024 14:26

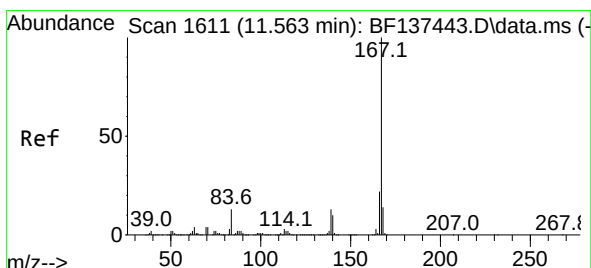
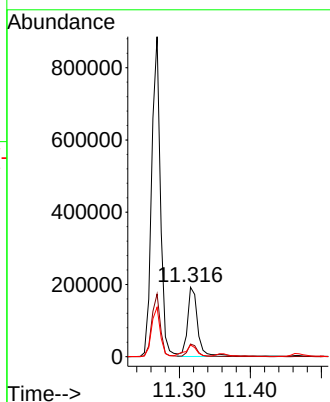
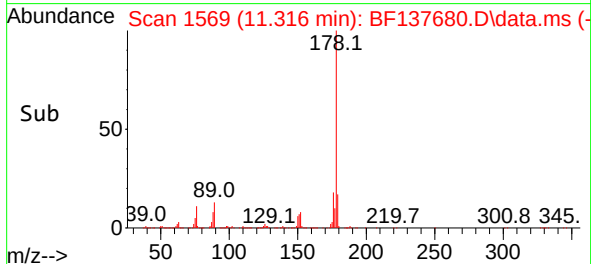
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 B-148-SB03



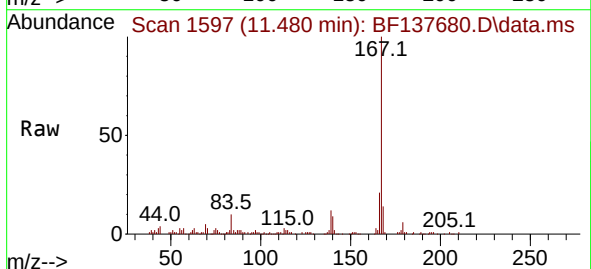
Tgt Ion:178 Resp: 192079
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 16.9 12.7 19.1

Manual Integrations
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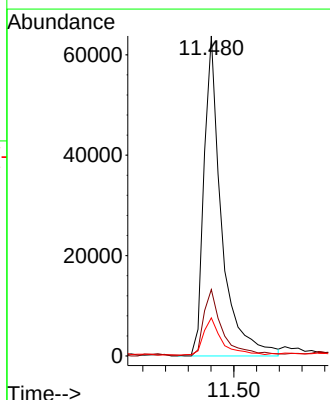
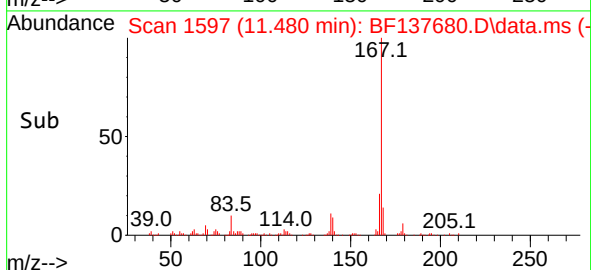
Reviewed By :Yogesh Patel 03/26/2024
 Supervised By :mohammad ahmed 03/26/2024

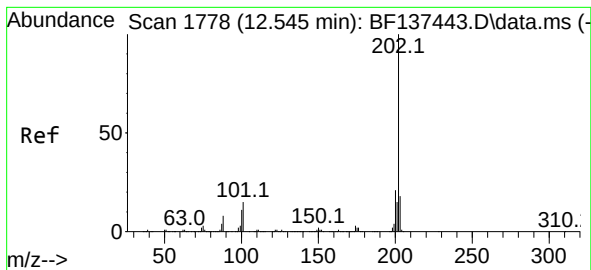


#73
 Carbazole
 Concen: 2.180 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. 0.006 min
 Lab File: BF137680.D
 Acq: 22 Mar 2024 14:26



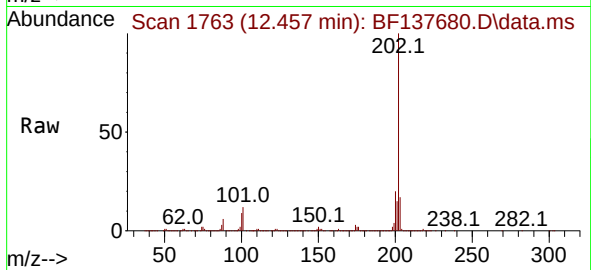
Tgt Ion:167 Resp: 68442
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.8 26.8
 139 11.9 10.5 15.7





#75
Fluoranthene
Concen: 24.038 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

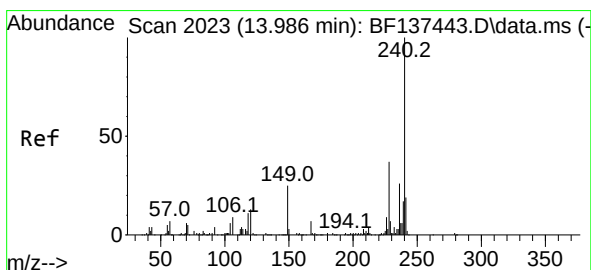
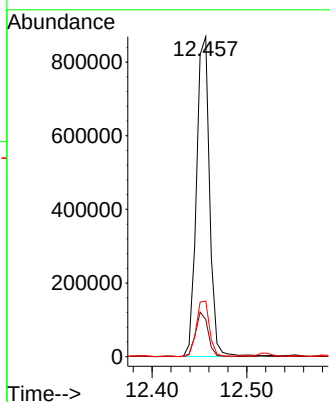
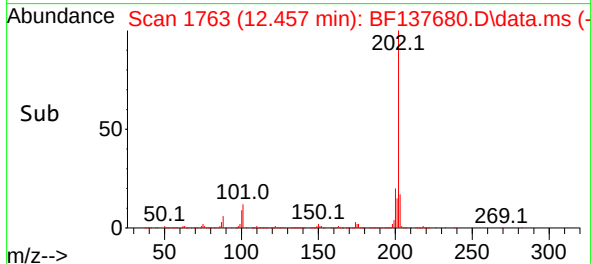
Instrument :
BNA_F
ClientSampleId :
B-148-SB03



Tgt Ion:202 Resp: 838538
Ion Ratio Lower Upper
202 100
101 11.7 0.0 35.0
203 17.4 0.0 37.7

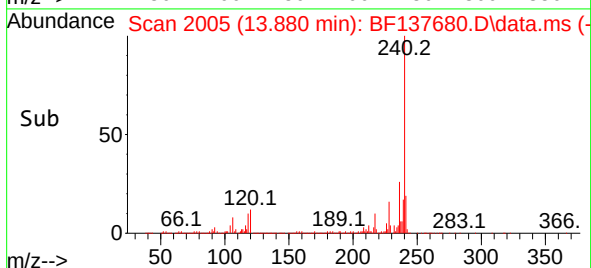
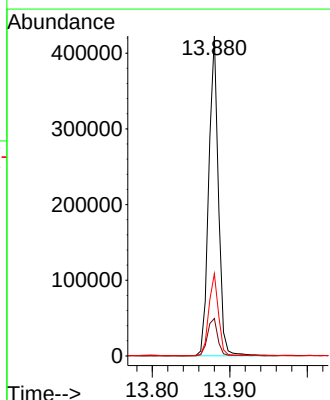
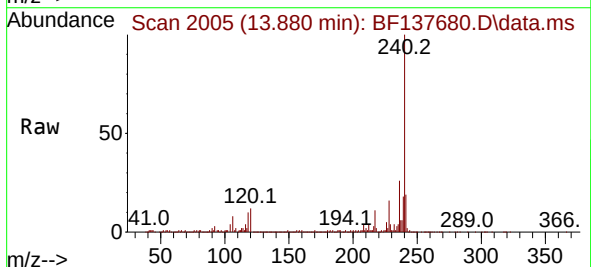
Manual Integrations
APPROVED

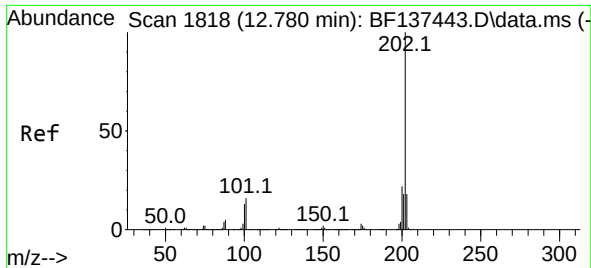
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

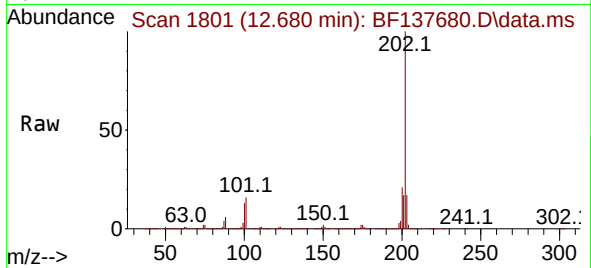
Tgt Ion:240 Resp: 364651
Ion Ratio Lower Upper
240 100
120 11.7 10.4 15.6
236 25.7 20.9 31.3





#78
Pyrene
Concen: 18.938 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

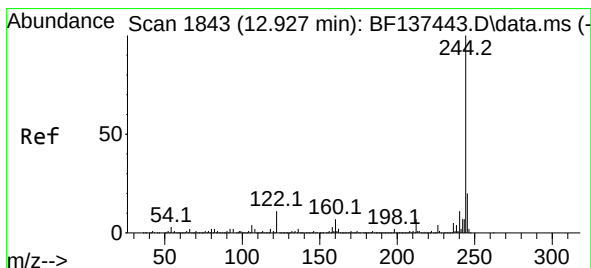
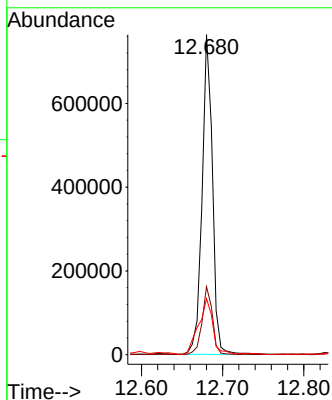
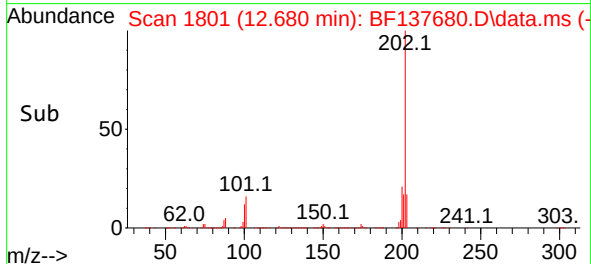
Instrument :
BNA_F
ClientSampleId :
B-148-SB03



Tgt Ion:202 Resp: 677598
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.5 14.1 21.1

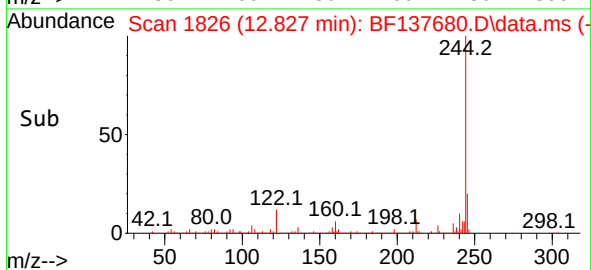
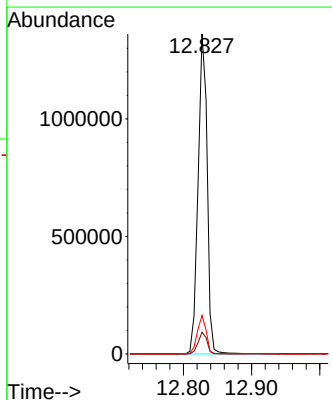
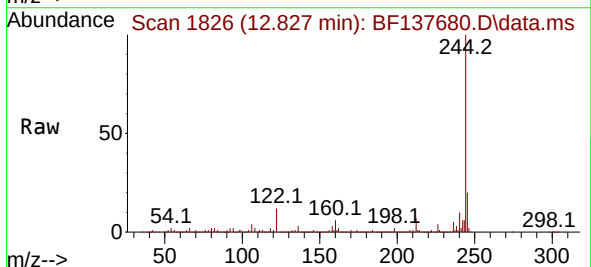
Manual Integrations
APPROVED

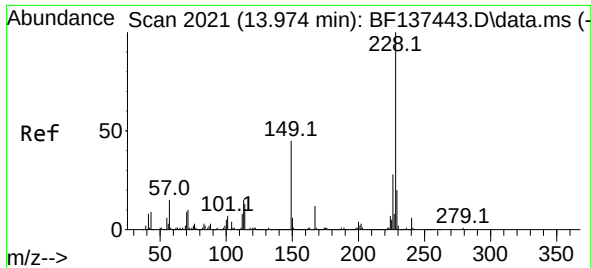
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#79
Terphenyl-d14
Concen: 47.658 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Tgt Ion:244 Resp: 1263804
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 12.1 9.1 13.7





#81
Benzo(a)anthracene
Concen: 13.675 ng
RT: 13.868 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Instrument :

BNA_F

ClientSampleId :

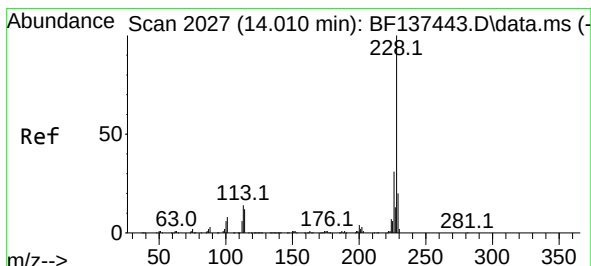
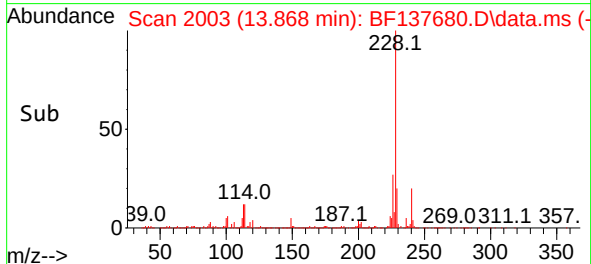
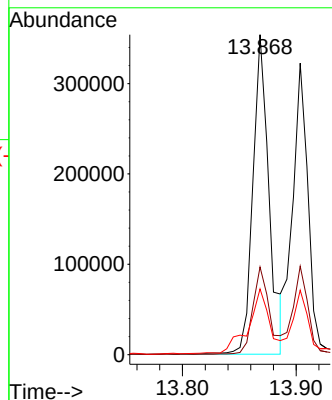
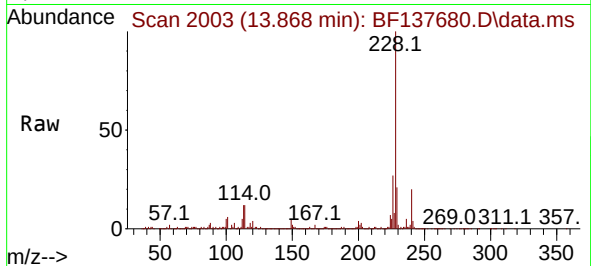
B-148-SB03

Tgt Ion:228 Resp: 34950
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 20.6 16.3 24.5

Manual Integrations

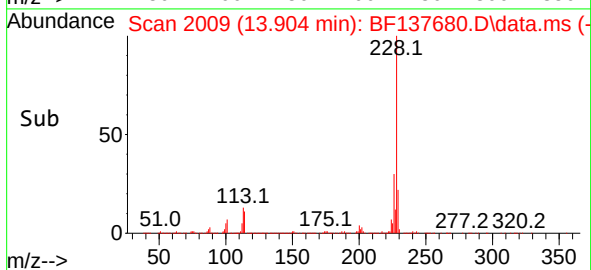
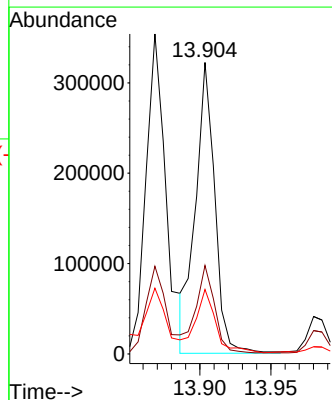
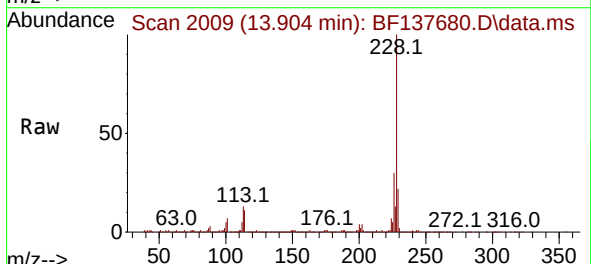
APPROVED

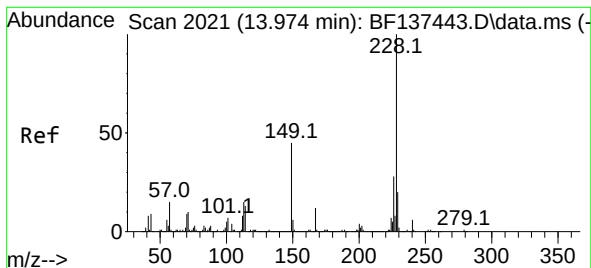
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#83
Chrysene
Concen: 11.767 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

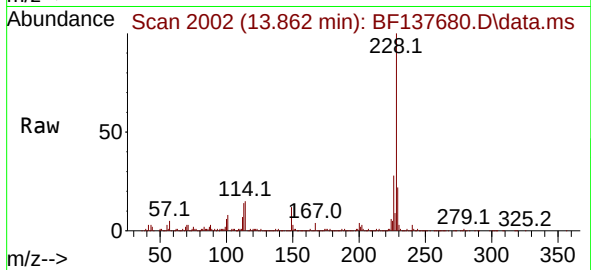
Tgt Ion:228 Resp: 303961
Ion Ratio Lower Upper
228 100
226 30.3 24.7 37.1
229 22.1 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.084 ng
RT: 13.862 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

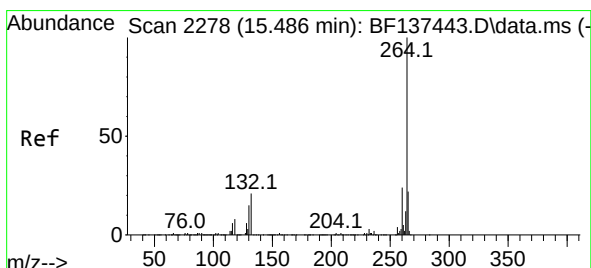
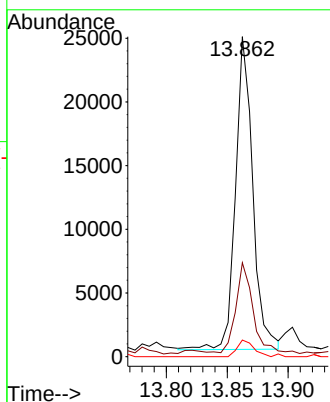
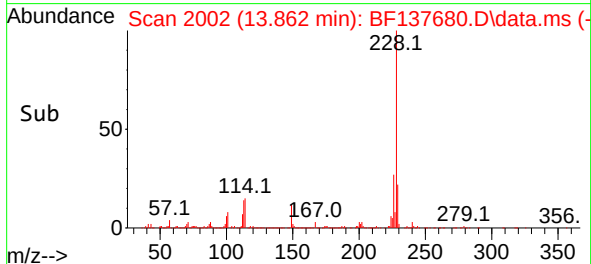
Instrument :
BNA_F
ClientSampleId :
B-148-SB03



Tgt Ion:149 Resp: 2420
Ion Ratio Lower Upper
149 100
167 29.4 21.3 31.9
279 5.2 2.6 4.0

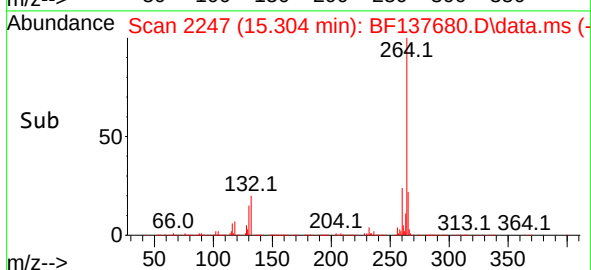
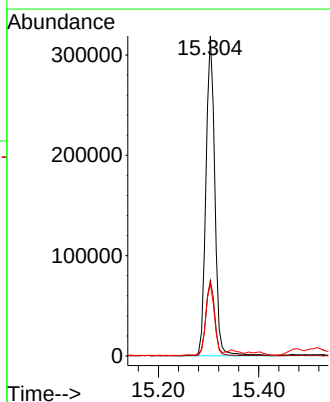
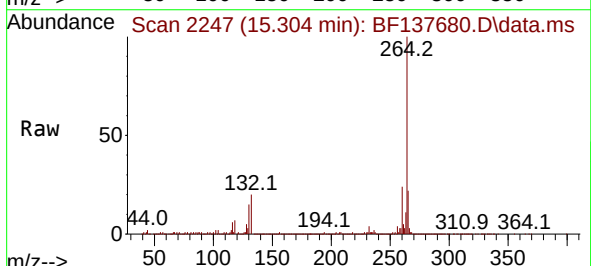
Manual Integrations
APPROVED

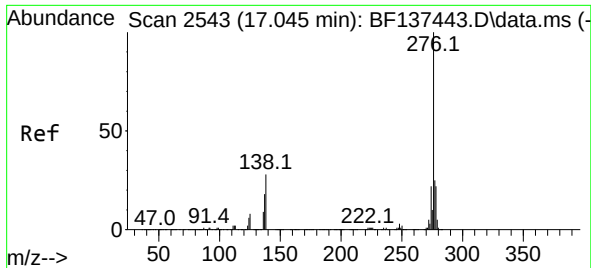
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. 0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Tgt Ion:264 Resp: 393112
Ion Ratio Lower Upper
264 100
260 23.6 19.3 28.9
265 22.5 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.253 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Instrument :

BNA_F

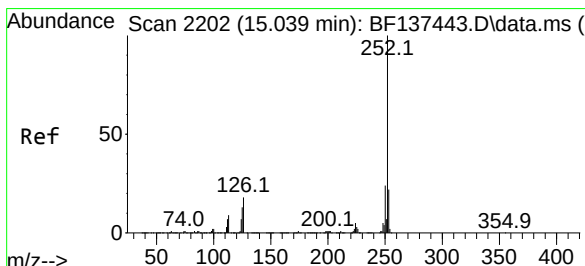
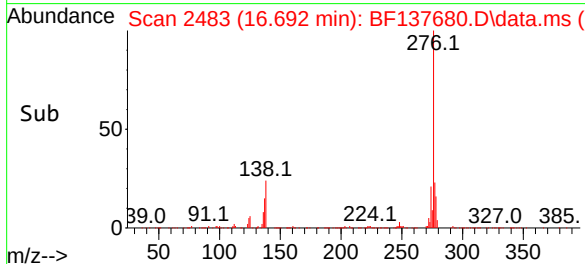
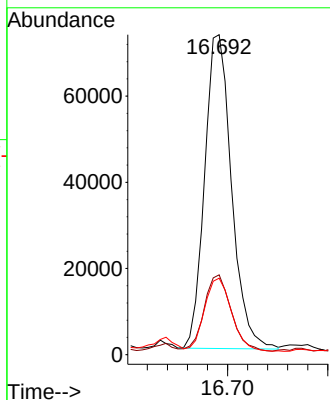
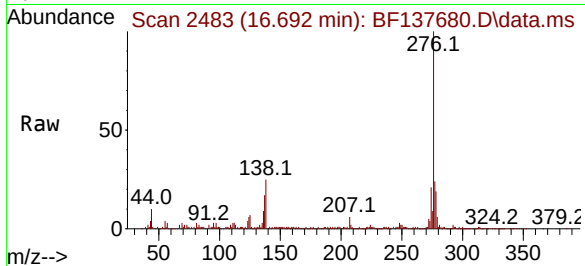
ClientSampleId :

B-148-SB03

Tgt Ion:276 Resp: 13588
Ion Ratio Lower Upper
276 100
138 25.5 25.8 38.8
277 23.6 20.2 30.2

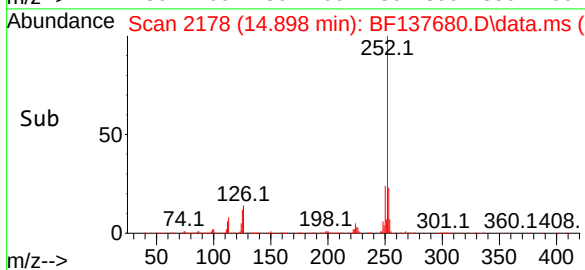
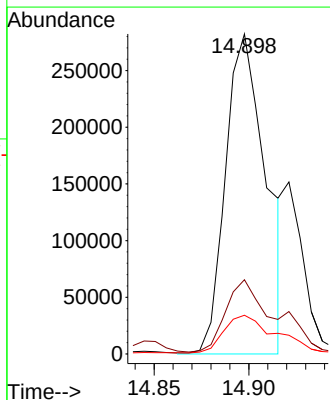
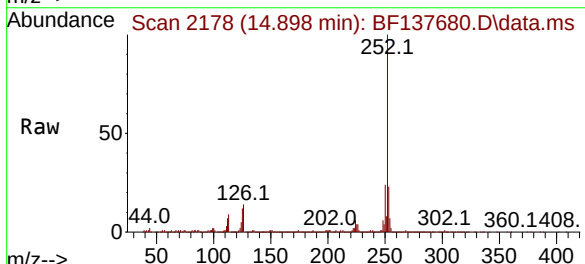
Manual Integrations
APPROVED

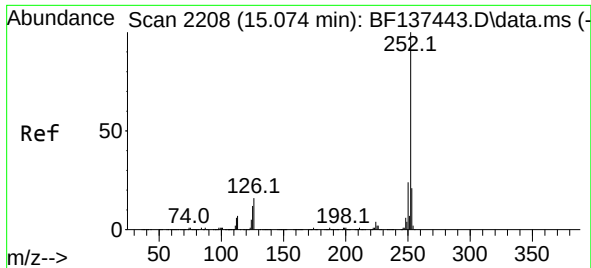
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#88
Benzo(b)fluoranthene
Concen: 18.012 ng m
RT: 14.898 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Tgt Ion:252 Resp: 418859
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 12.1 10.1 15.1





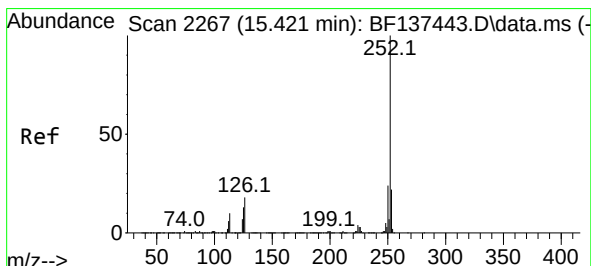
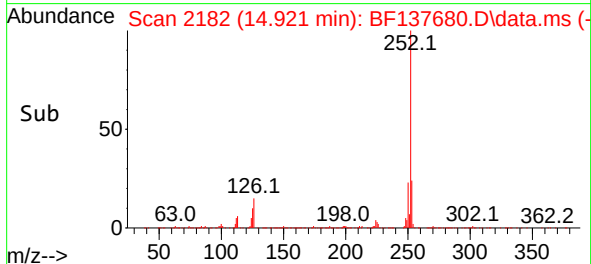
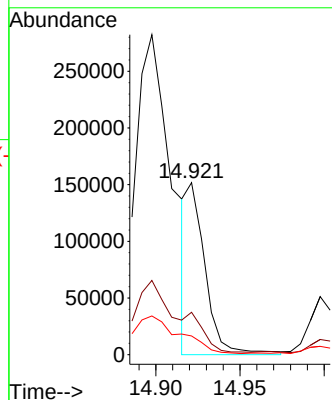
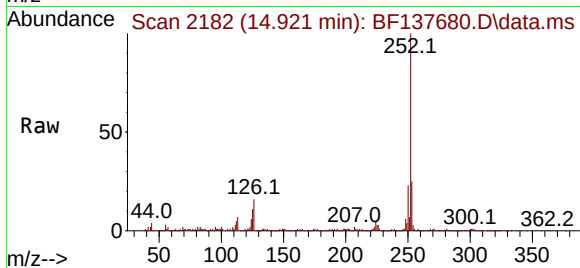
#89
Benzo(k)fluoranthene
Concen: 4.582 ng m
RT: 14.921 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Instrument :
BNA_F
ClientSampleId :
B-148-SB03

Tgt Ion:252 Resp: 114434
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 10.9 9.6 14.4

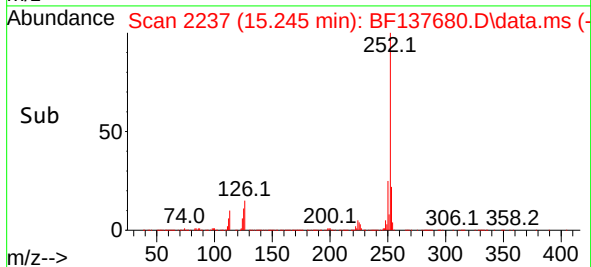
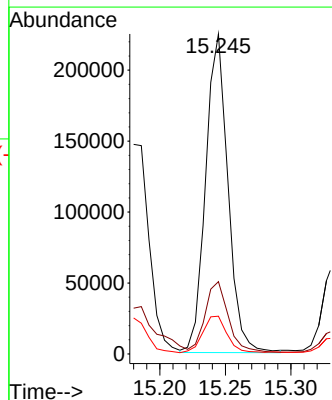
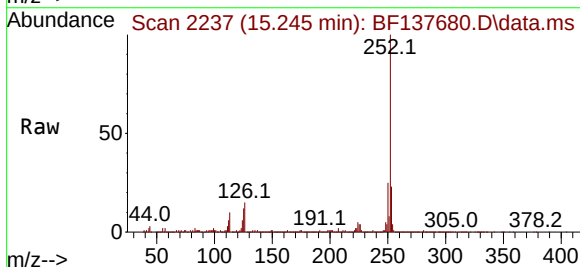
Manual Integrations
APPROVED

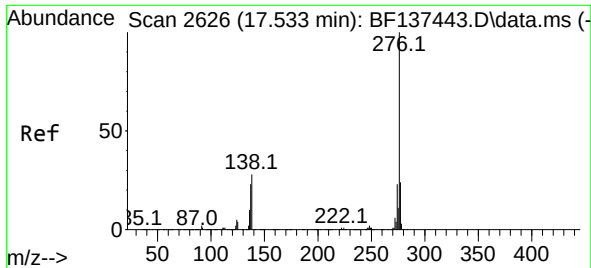
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#90
Benzo(a)pyrene
Concen: 11.625 ng
RT: 15.245 min Scan# 2237
Delta R.T. 0.006 min
Lab File: BF137680.D
Acq: 22 Mar 2024 14:26

Tgt Ion:252 Resp: 266390
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.8 10.4 15.6





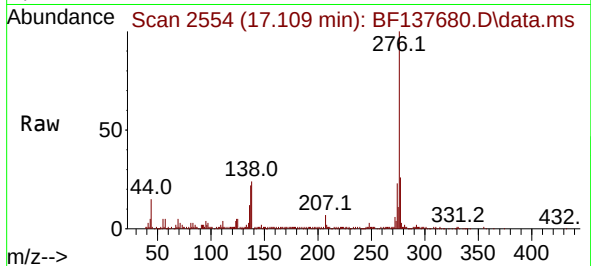
#92
 Benzo(g,h,i)perylene
 Concen: 5.587 ng
 RT: 17.109 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF137680.D
 Acq: 22 Mar 2024 14:26

Instrument :

BNA_F

ClientSampleId :

B-148-SB03



Tgt Ion:	276	Resp:	12041
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.0	28.4
138	24.1	22.2	33.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024

