

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137758.D
 Acq On : 29 Apr 2024 19:57
 Operator : CG\JU
 Sample : P2294-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-A-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024

Quant Time: Apr 30 03:08:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.063	152	246649	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	903713	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	453120	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	658653	20.000	ng	0.00
76) Chrysene-d12	14.251	240	529893	20.000	ng	# 0.00
86) Perylene-d12	15.827	264	524756	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	719050	44.284	ng	0.00
7) Phenol-d6	6.669	99	909540	44.111	ng	0.00
23) Nitrobenzene-d5	7.616	82	531131	31.198	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	210665	46.074	ng	-0.01
45) 2-Fluorobiphenyl	9.416	172	1117195	36.841	ng	-0.01
79) Terphenyl-d14	13.186	244	997564	30.301	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.622	178	237180	6.803	ng	98
72) Anthracene	11.675	178	95170	2.666	ng	97
75) Fluoranthene	12.822	202	502024	13.699	ng	97
78) Pyrene	13.051	202	490469	11.277	ng	97
81) Benzo(a)anthracene	14.239	228	274277	7.421	ng	99
83) Chrysene	14.274	228	253094	7.329	ng	97
87) Indeno(1,2,3-cd)pyrene	17.457	276	86465m	2.972	ng	
88) Benzo(b)fluoranthene	15.351	252	299438m	8.917	ng	
89) Benzo(k)fluoranthene	15.374	252	100245m	3.037	ng	
90) Benzo(a)pyrene	15.751	252	189201	6.281	ng	98
92) Benzo(g,h,i)perylene	17.956	276	83764	3.568	ng	97

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

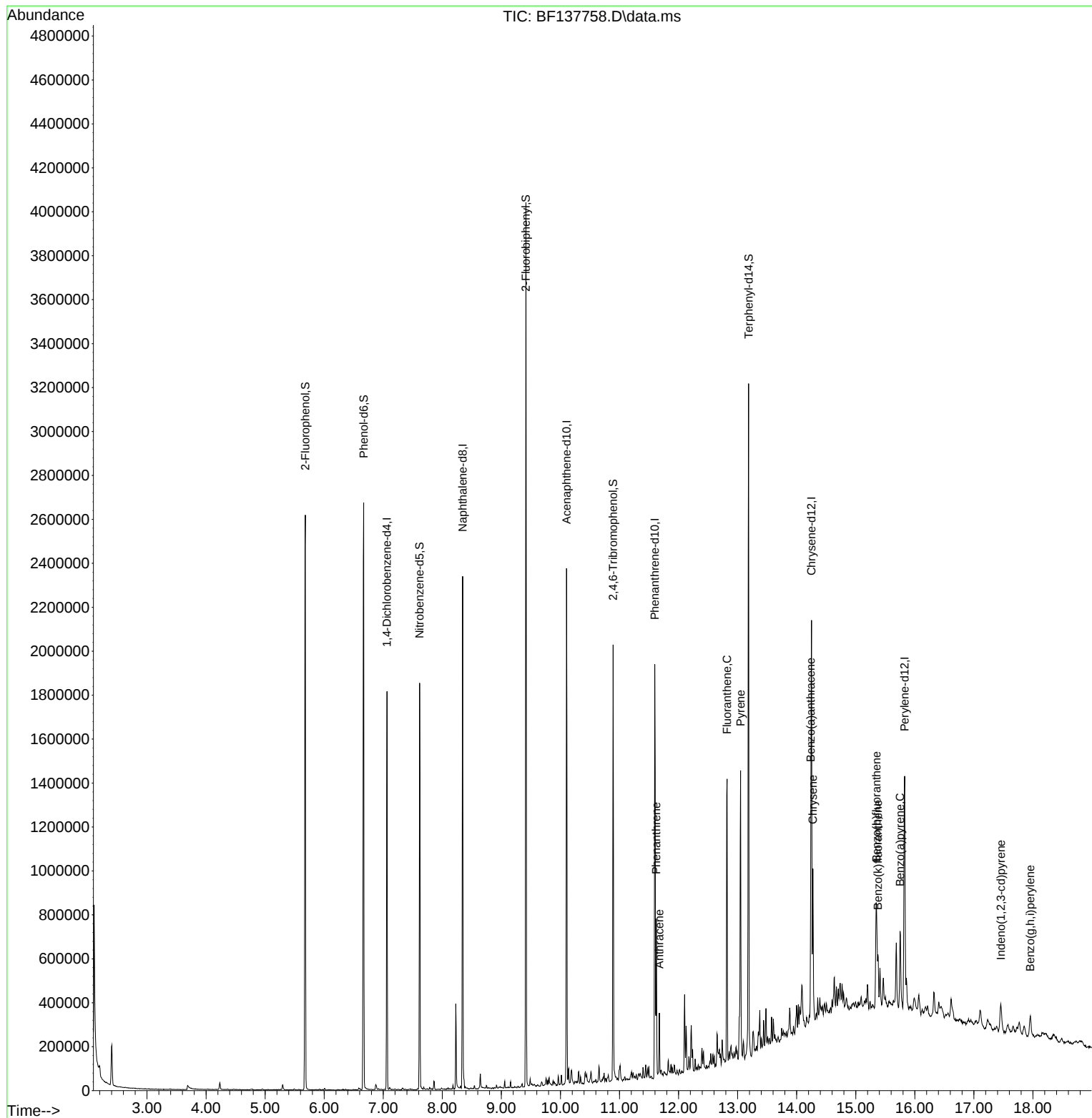
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
Data File : BF137758.D
Acq On : 29 Apr 2024 19:57
Operator : CG\JU
Sample : P2294-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

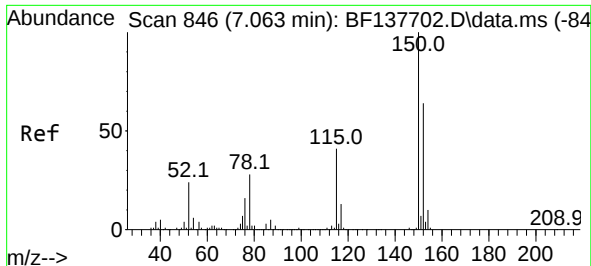
Instrument :
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ClientSampleId :
FOOT-PRINT-A-2

Quant Time: Apr 30 03:08:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 03:57:12 2024
Response via : Initial Calibration

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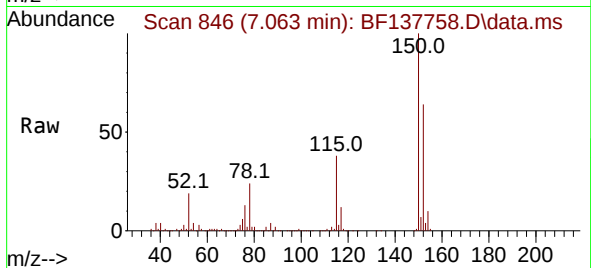
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

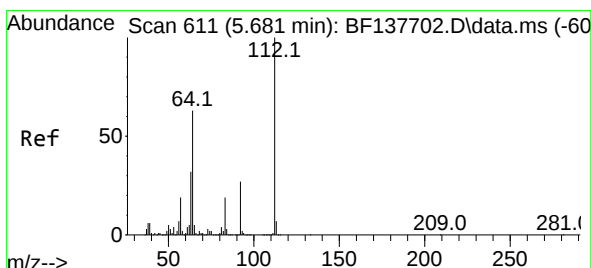
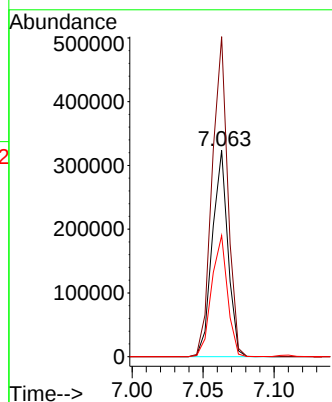
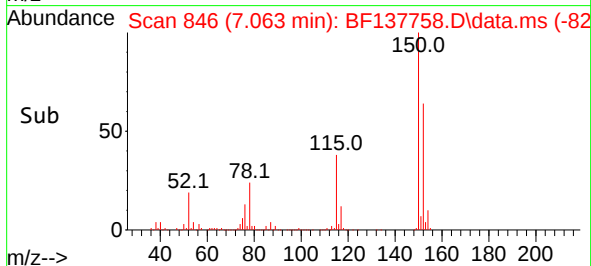
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BNA_F
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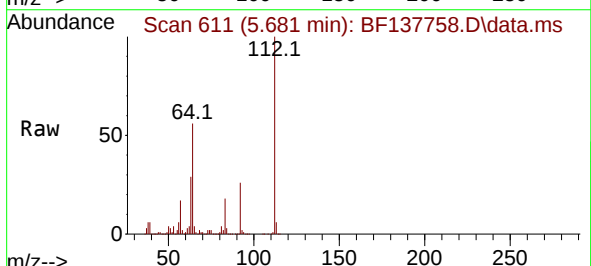
Tgt Ion:152 Resp: 246649
Ion Ratio Lower Upper
152 100
150 155.2 124.2 186.4
115 58.7 50.8 76.2

Manual Integrations
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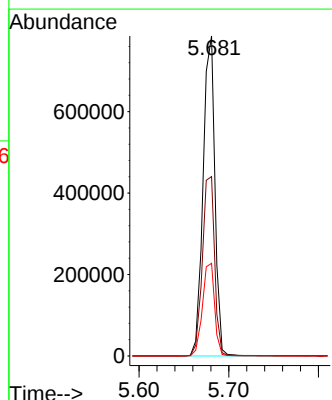
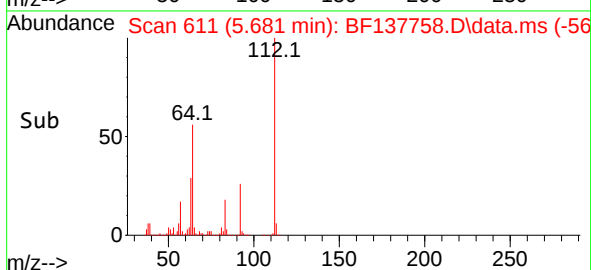
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#5
2-Fluorophenol
Concen: 44.284 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.000 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57



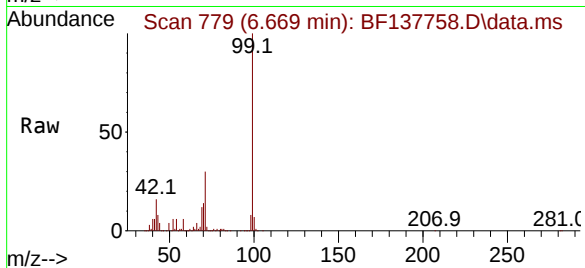
Tgt Ion:112 Resp: 719050
Ion Ratio Lower Upper
112 100
64 56.0 50.1 75.1
63 28.9 25.2 37.8





#7
Phenol-d6
Concen: 44.111 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

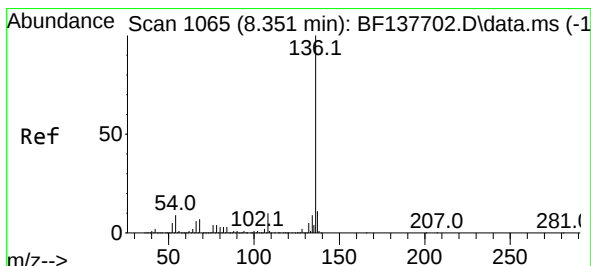
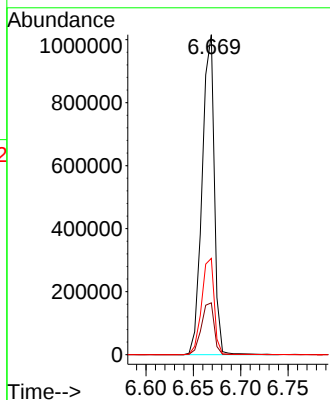
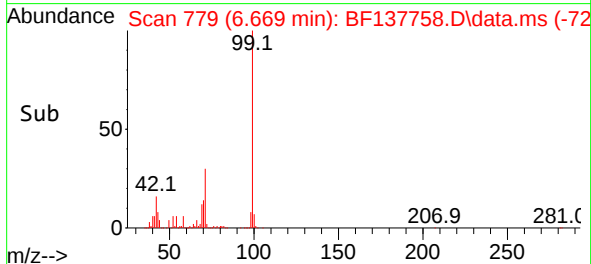
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-A-2



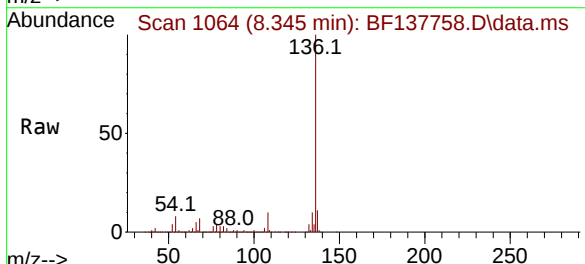
Tgt Ion: 99 Resp: 909540
Ion Ratio Lower Upper
99 100
42 16.2 15.0 22.4
71 30.1 25.7 38.5

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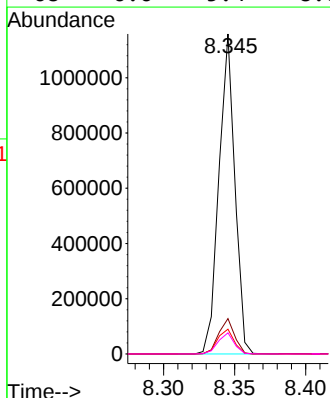
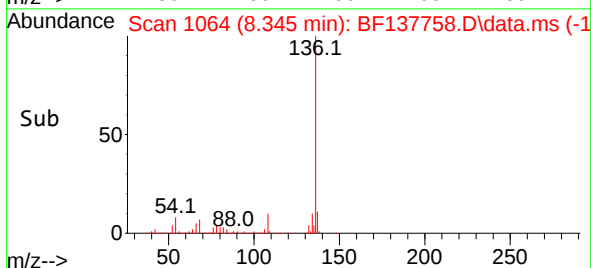
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

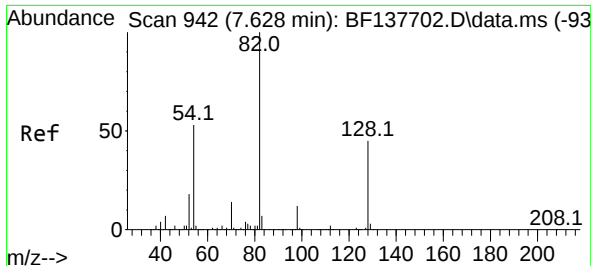


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57



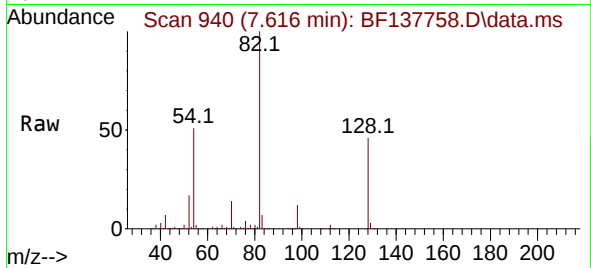
Tgt Ion:136 Resp: 903713
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 6.9 10.3
68 6.6 5.4 8.0





#23
Nitrobenzene-d5
Concen: 31.198 ng
RT: 7.616 min Scan# 942
Delta R.T. -0.012 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

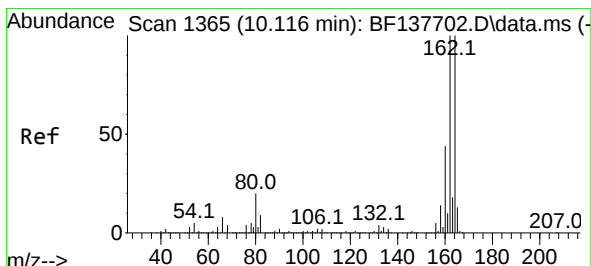
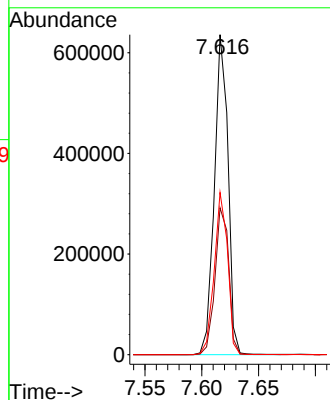
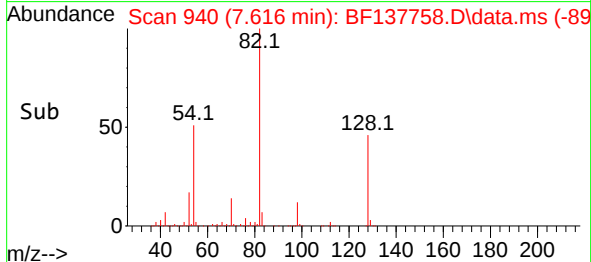
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-A-2



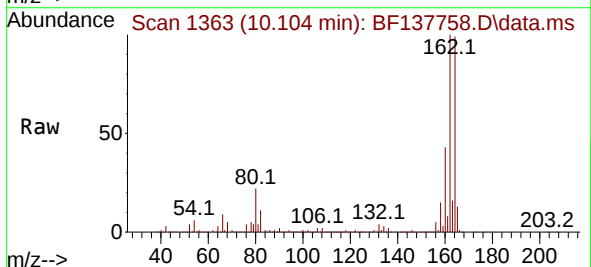
Tgt Ion: 82 Resp: 53113
Ion Ratio Lower Upper
82 100
128 45.9 35.8 53.6
54 50.7 42.5 63.7

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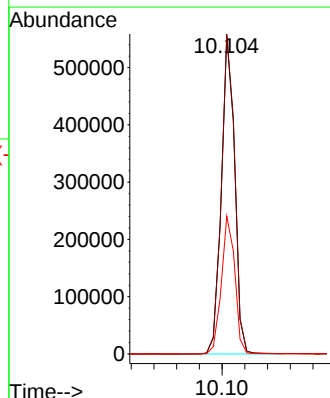
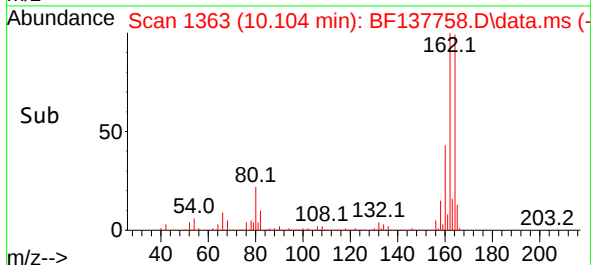
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

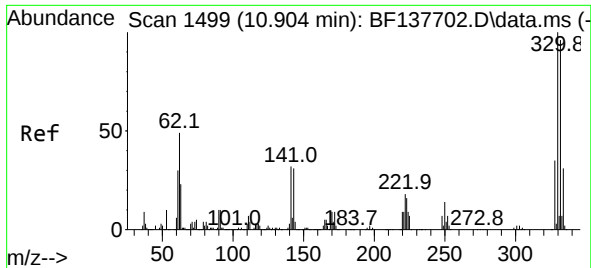


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57



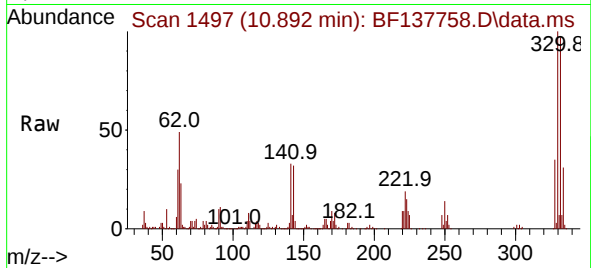
Tgt Ion:164 Resp: 453120
Ion Ratio Lower Upper
164 100
162 100.7 80.3 120.5
160 43.4 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 46.074 ng
RT: 10.892 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

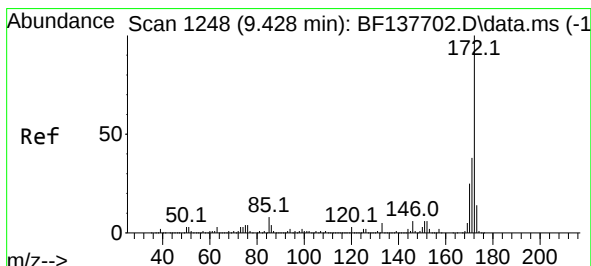
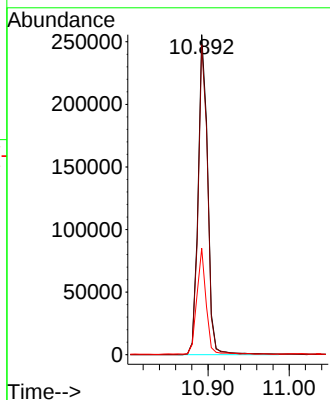
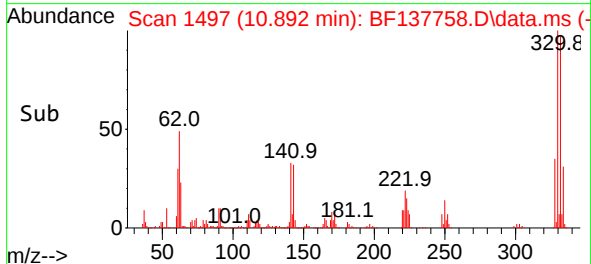
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-A-2



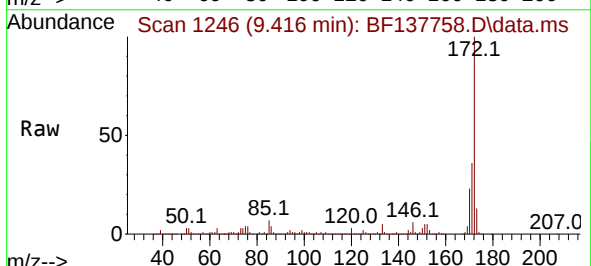
Tgt Ion:330 Resp: 21066
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 31.8 27.0 40.4

Manual Integrations
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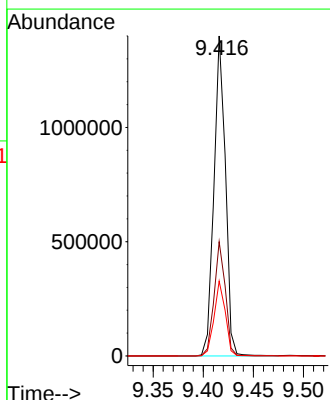
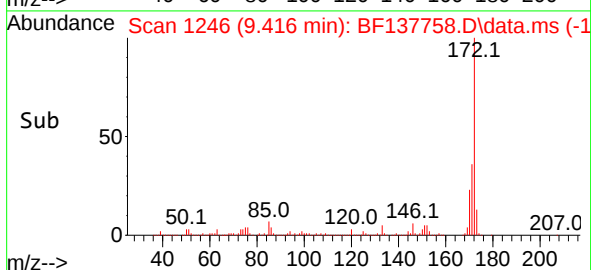
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

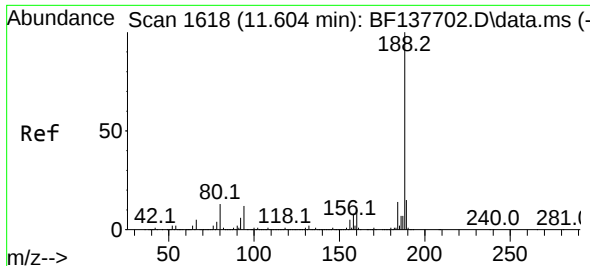


#45
2-Fluorobiphenyl
Concen: 36.841 ng
RT: 9.416 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57



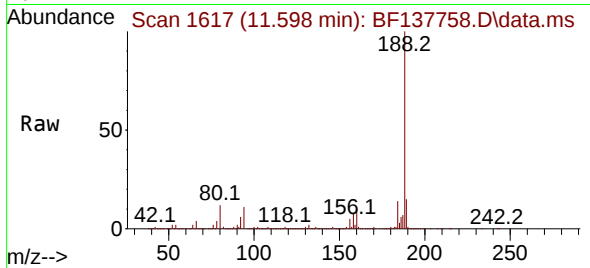
Tgt Ion:172 Resp: 1117195
Ion Ratio Lower Upper
172 100
171 35.7 30.2 45.4
170 23.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

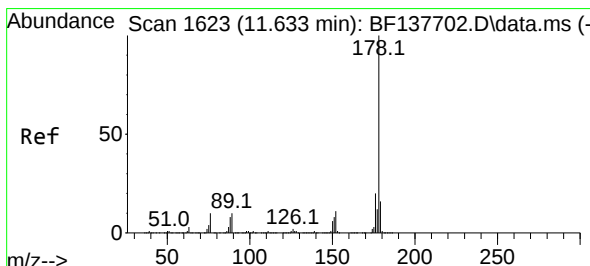
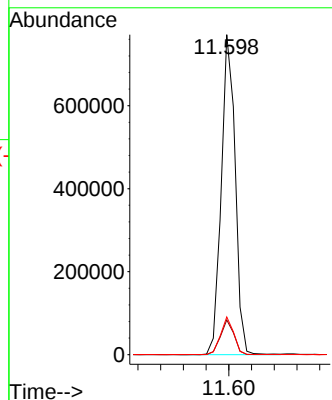
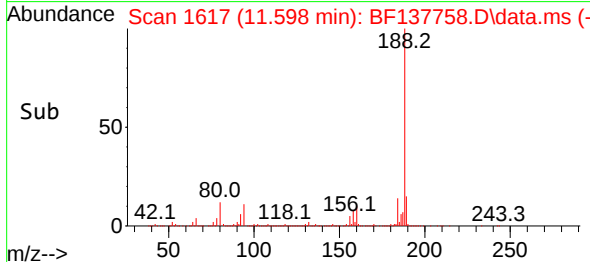
Instrument :
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FOOT-PRINT-A-2



Tgt Ion:188 Resp: 65865
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.8 10.2 15.4

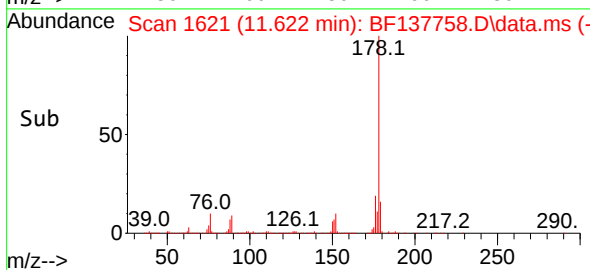
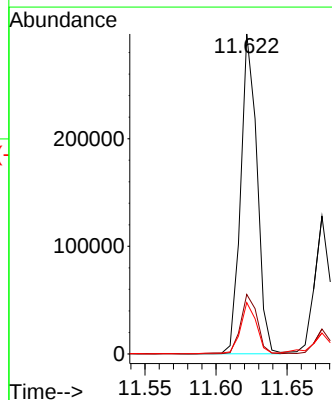
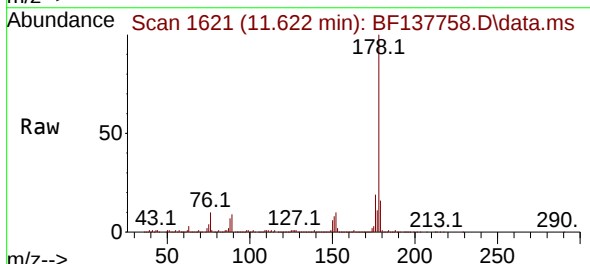
Manual Integrations
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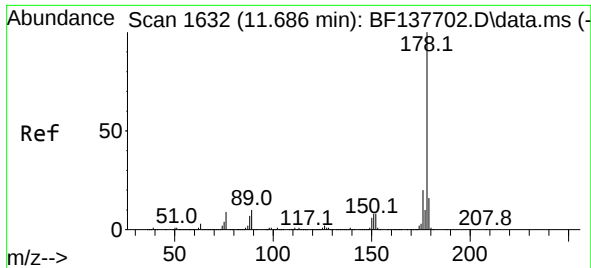
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#71
Phenanthrene
Concen: 6.803 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

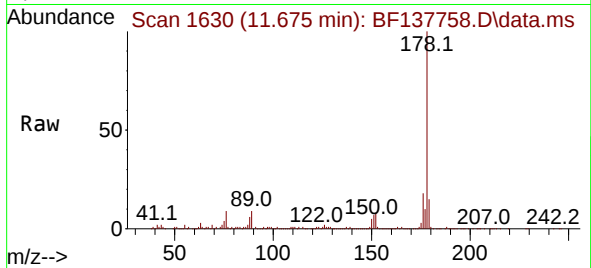
Tgt Ion:178 Resp: 237180
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 16.1 12.8 19.2





#72
 Anthracene
 Concen: 2.666 ng
 RT: 11.675 min Scan# 1630
 Delta R.T. -0.012 min
 Lab File: BF137758.D
 Acq: 29 Apr 2024 19:57

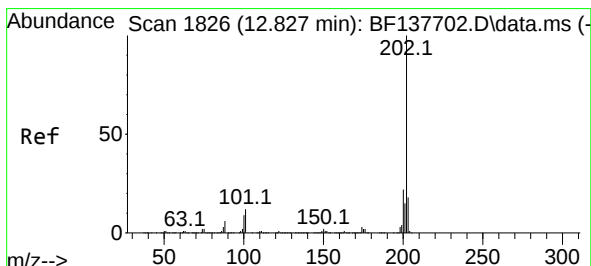
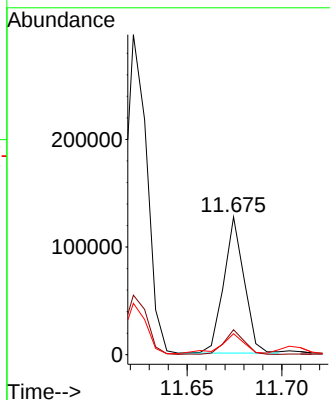
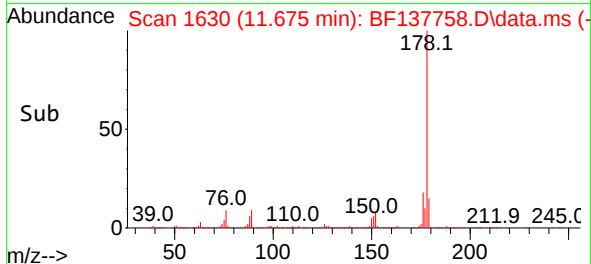
Instrument :
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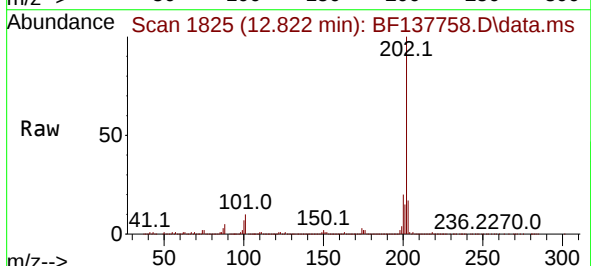
Tgt Ion:178 Resp: 95170
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 15.2 13.0 19.6

Manual Integrations
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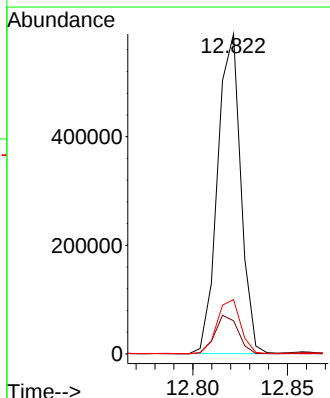
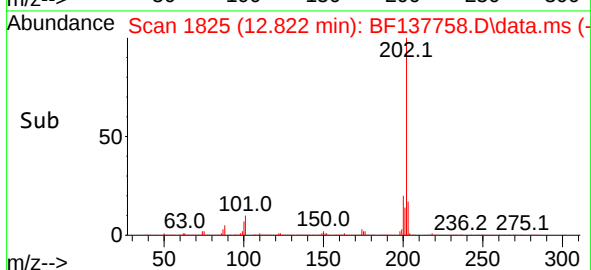
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024

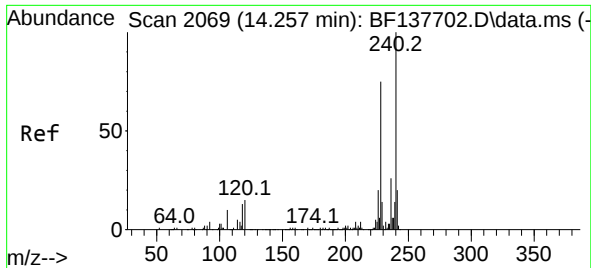


#75
 Fluoranthene
 Concen: 13.699 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF137758.D
 Acq: 29 Apr 2024 19:57



Tgt Ion:202 Resp: 502024
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 32.2
 203 17.0 0.0 38.1





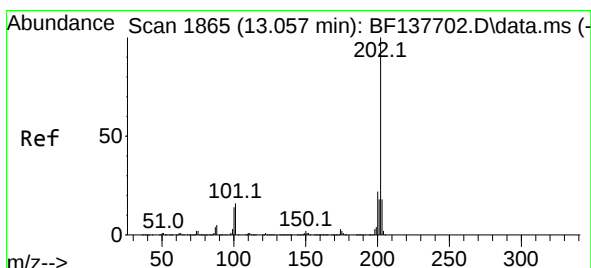
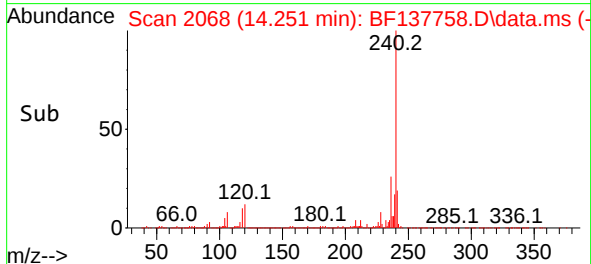
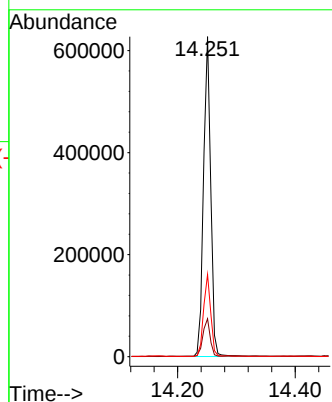
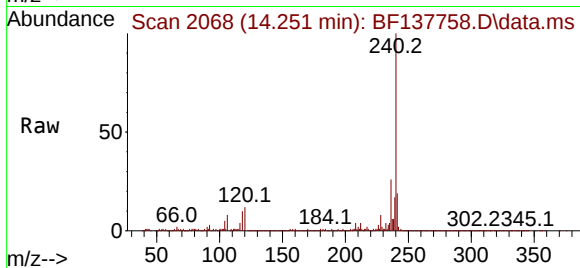
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-A-2

Tgt Ion:240 Resp: 52989
Ion Ratio Lower Upper
240 100
120 11.9 11.9 17.9
236 25.7 20.8 31.2

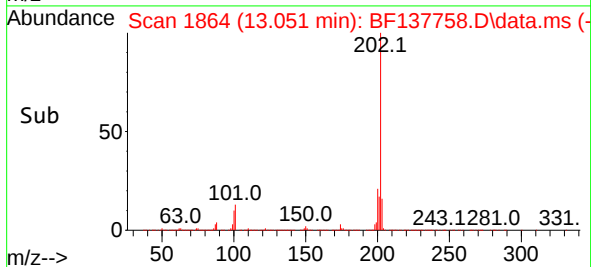
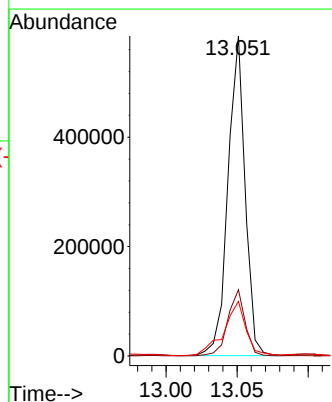
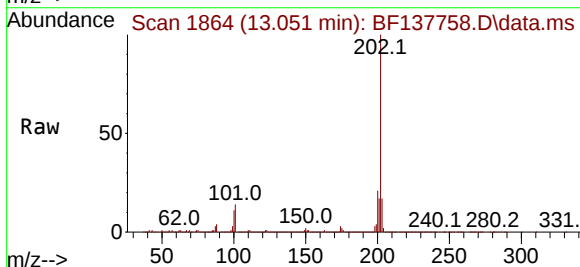
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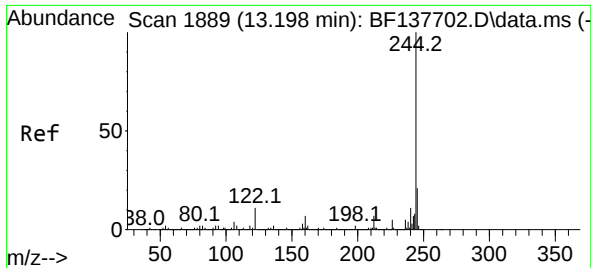
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#78
Pyrene
Concen: 11.277 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF137758.D
Acq: 29 Apr 2024 19:57

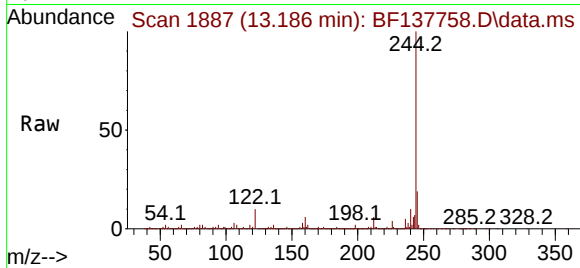
Tgt Ion:202 Resp: 490469
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 30.301 ng
 RT: 13.186 min Scan# 1887
 Delta R.T. -0.012 min
 Lab File: BF137758.D
 Acq: 29 Apr 2024 19:57

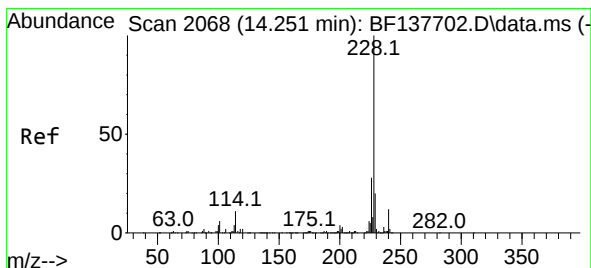
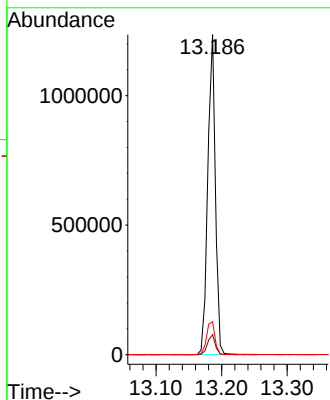
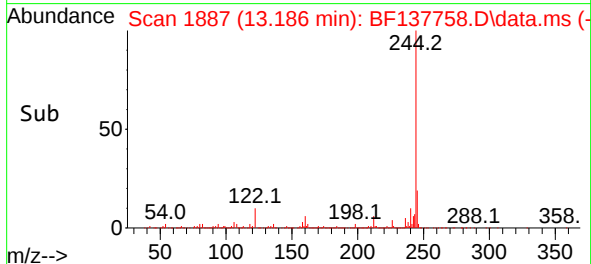
Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-A-2



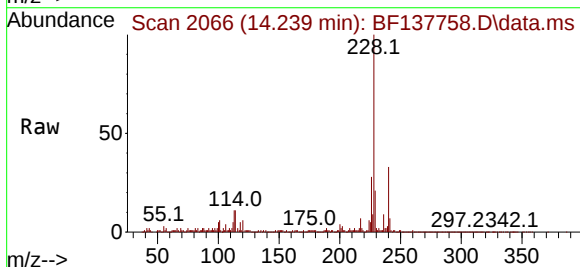
Tgt Ion:244 Resp: 997564
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 10.2 8.8 13.2

Manual Integrations
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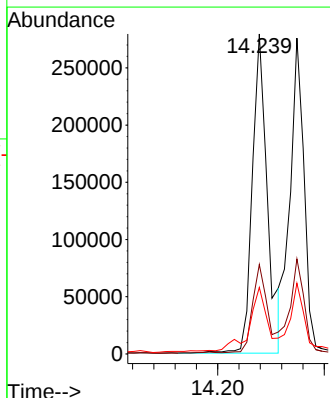
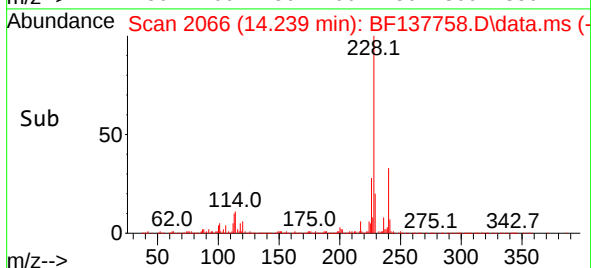
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024

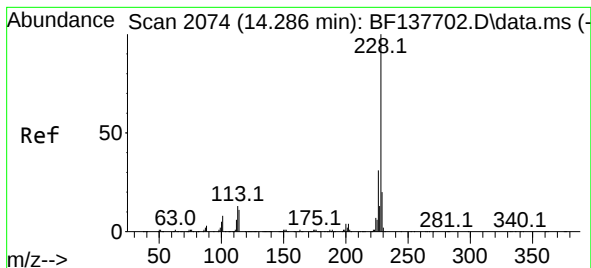


#81
 Benzo(a)anthracene
 Concen: 7.421 ng
 RT: 14.239 min Scan# 2066
 Delta R.T. -0.012 min
 Lab File: BF137758.D
 Acq: 29 Apr 2024 19:57



Tgt Ion:228 Resp: 274277
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.7 34.1
 229 20.8 16.0 24.0





#83

Chrysene

Concen: 7.329 ng

RT: 14.274 min Scan# 2074

Delta R.T. -0.012 min

Lab File: BF137758.D

Acq: 29 Apr 2024 19:57

Instrument :

BNA_F

ClientSampleId :

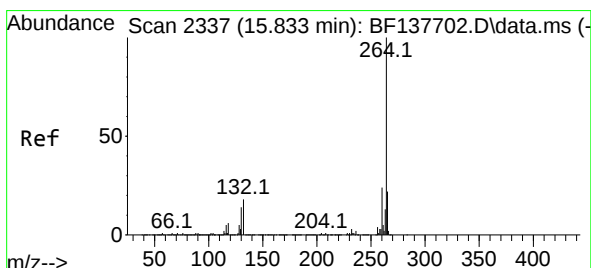
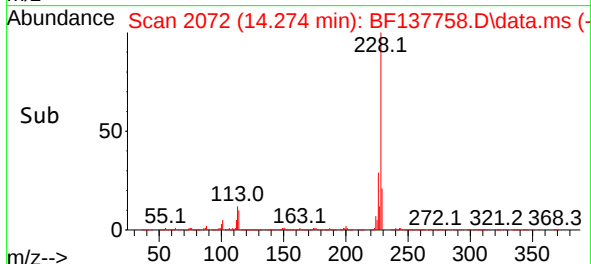
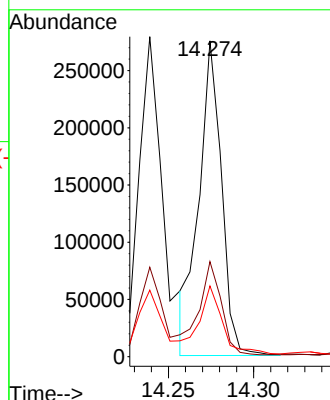
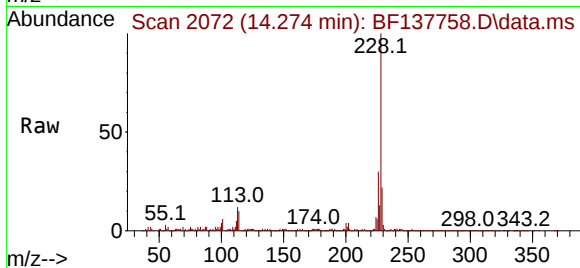
FOOT-PRINT-A-2

Tgt Ion:228	Resp: 253094
Ion Ratio	Lower Upper
228 100	
226 30.1	24.7 37.1
229 22.4	16.2 24.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#86

Perylene-d12

Concen: 20.000 ng

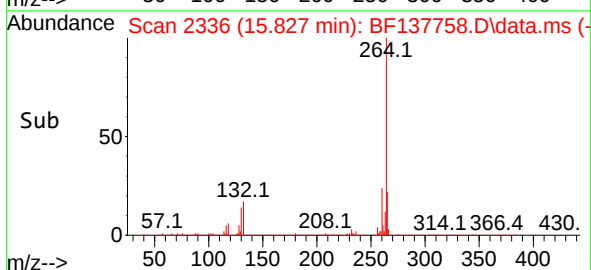
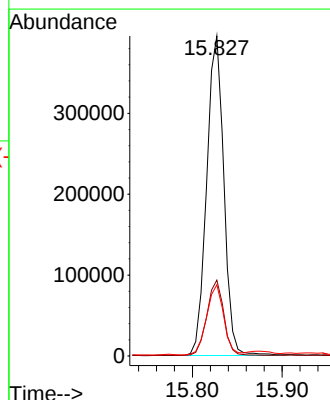
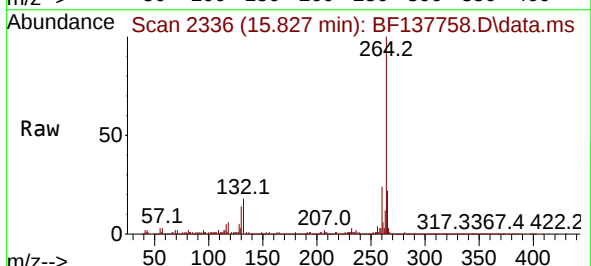
RT: 15.827 min Scan# 2336

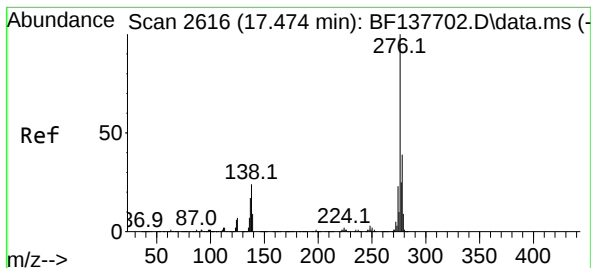
Delta R.T. -0.006 min

Lab File: BF137758.D

Acq: 29 Apr 2024 19:57

Tgt Ion:264	Resp: 524756
Ion Ratio	Lower Upper
264 100	
260 23.7	19.4 29.2
265 22.3	17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.972 ng m

RT: 17.457 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF137758.D

Acq: 29 Apr 2024 19:57

Instrument :

BNA_F

ClientSampleId :

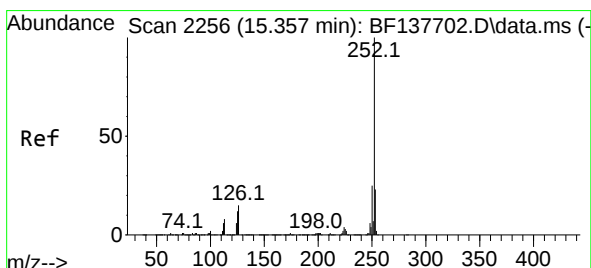
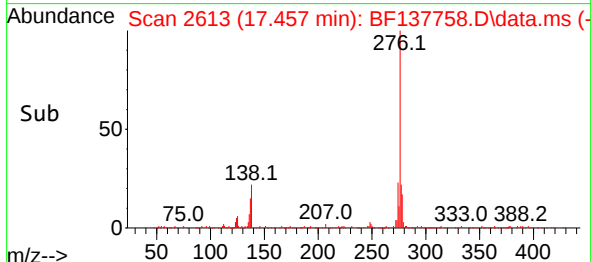
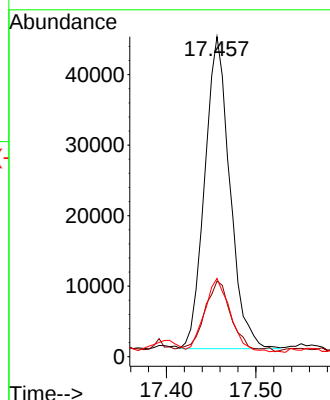
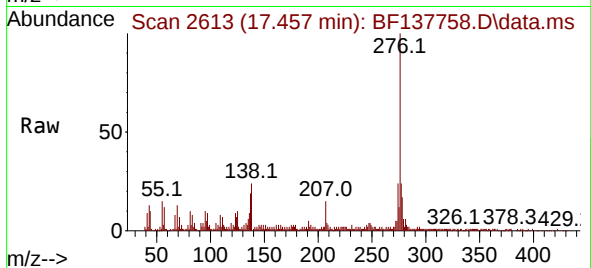
FOOT-PRINT-A-2

Tgt Ion:	276	Resp:	8646
Ion Ratio	Lower	Upper	
276	100		
138	24.8	22.3	33.5
277	23.8	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#88

Benzo(b)fluoranthene

Concen: 8.917 ng m

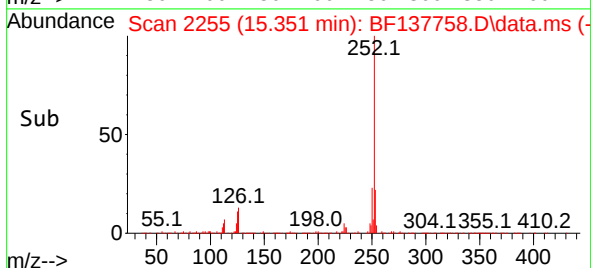
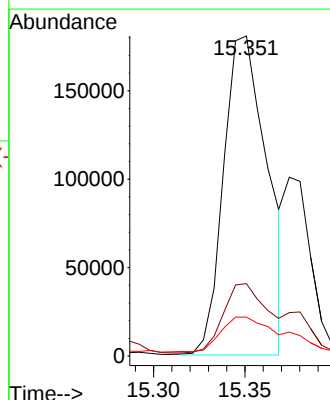
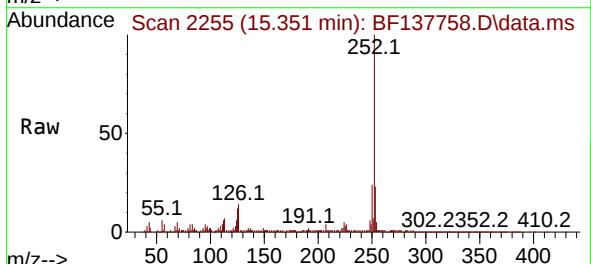
RT: 15.351 min Scan# 2255

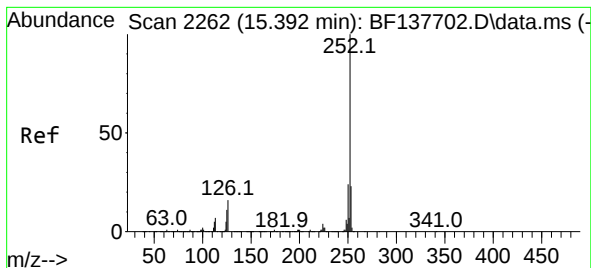
Delta R.T. -0.006 min

Lab File: BF137758.D

Acq: 29 Apr 2024 19:57

Tgt Ion:	252	Resp:	299438
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	12.1	9.2	13.8





#89

Benzo(k)fluoranthene

Concen: 3.037 ng m

RT: 15.374 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137758.D

Acq: 29 Apr 2024 19:57

Instrument :

BNA_F

ClientSampleId :

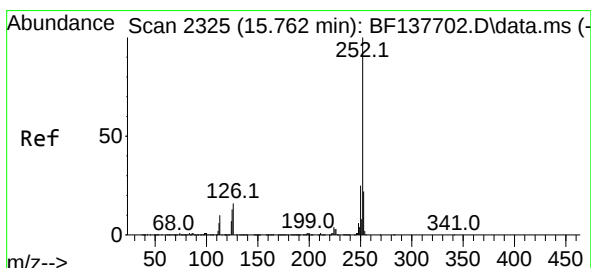
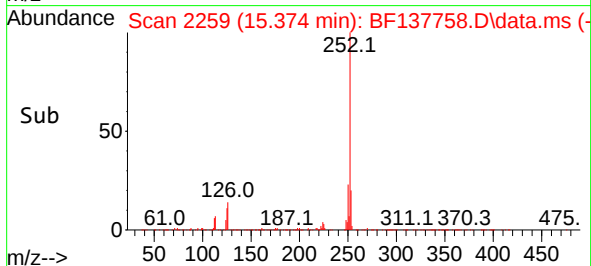
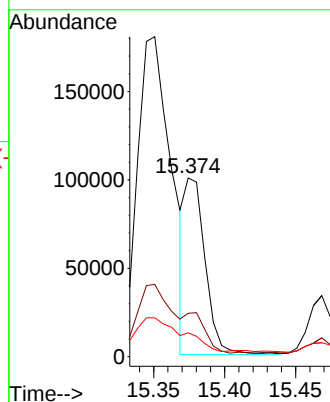
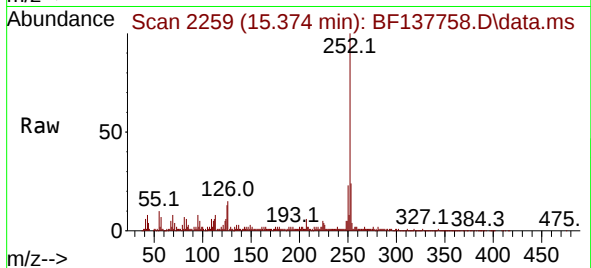
FOOT-PRINT-A-2

Tgt Ion:252 Resp: 100245
 Ion Ratio Lower Upper
 252 100
 253 24.2 18.0 27.0
 125 13.3 9.0 13.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024



#90

Benzo(a)pyrene

Concen: 6.281 ng

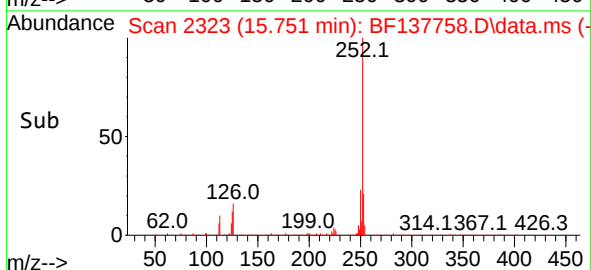
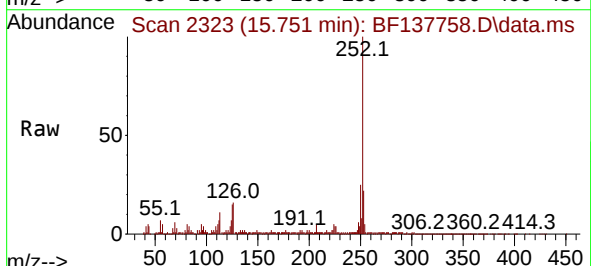
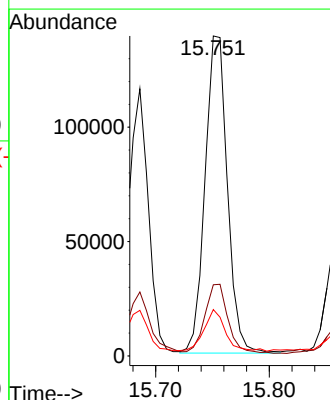
RT: 15.751 min Scan# 2323

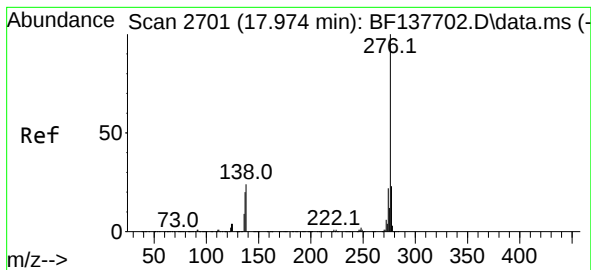
Delta R.T. -0.012 min

Lab File: BF137758.D

Acq: 29 Apr 2024 19:57

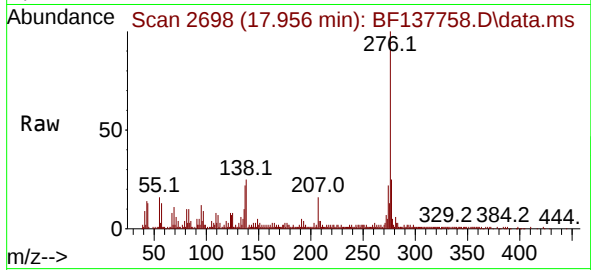
Tgt Ion:252 Resp: 189201
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.9 26.9
 125 14.5 10.2 15.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.568 ng
 RT: 17.956 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF137758.D
 Acq: 29 Apr 2024 19:57

Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-A-2



Tgt Ion:	276	Resp:	83764
Ion Ratio	Lower	Upper	
276	100		
277	25.0	18.5	27.7
138	25.3	19.5	29.3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024

