

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137760.D
 Acq On : 29 Apr 2024 21:06
 Operator : CG\JU
 Sample : P2294-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-1

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 03:09:26 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	269168	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1009375	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	480587	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	642791	20.000	ng	0.00
76) Chrysene-d12	14.251	240	510736	20.000	ng	0.00
86) Perylene-d12	15.827	264	413083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1244883	70.254	ng	0.00
7) Phenol-d6	6.675	99	1539799	68.429	ng	0.00
23) Nitrobenzene-d5	7.622	82	929498	48.883	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	312294	64.397	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	1747649	54.337	ng	0.00
79) Terphenyl-d14	13.186	244	1397530	44.042	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.622	178	290561	8.539	ng	98
72) Anthracene	11.675	178	91199	2.617	ng	99
75) Fluoranthene	12.822	202	501040	14.009	ng	99
78) Pyrene	13.051	202	439314	10.480	ng	98
81) Benzo(a)anthracene	14.239	228	236473	6.638	ng	99
83) Chrysene	14.274	228	220289	6.618	ng	96
87) Indeno(1,2,3-cd)pyrene	17.462	276	71543	3.124	ng	# 94
88) Benzo(b)fluoranthene	15.351	252	208081m	7.872	ng	
89) Benzo(k)fluoranthene	15.380	252	83055m	3.196	ng	
90) Benzo(a)pyrene	15.757	252	143312	6.044	ng	94
92) Benzo(g,h,i)perylene	17.962	276	64557	3.493	ng	98

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

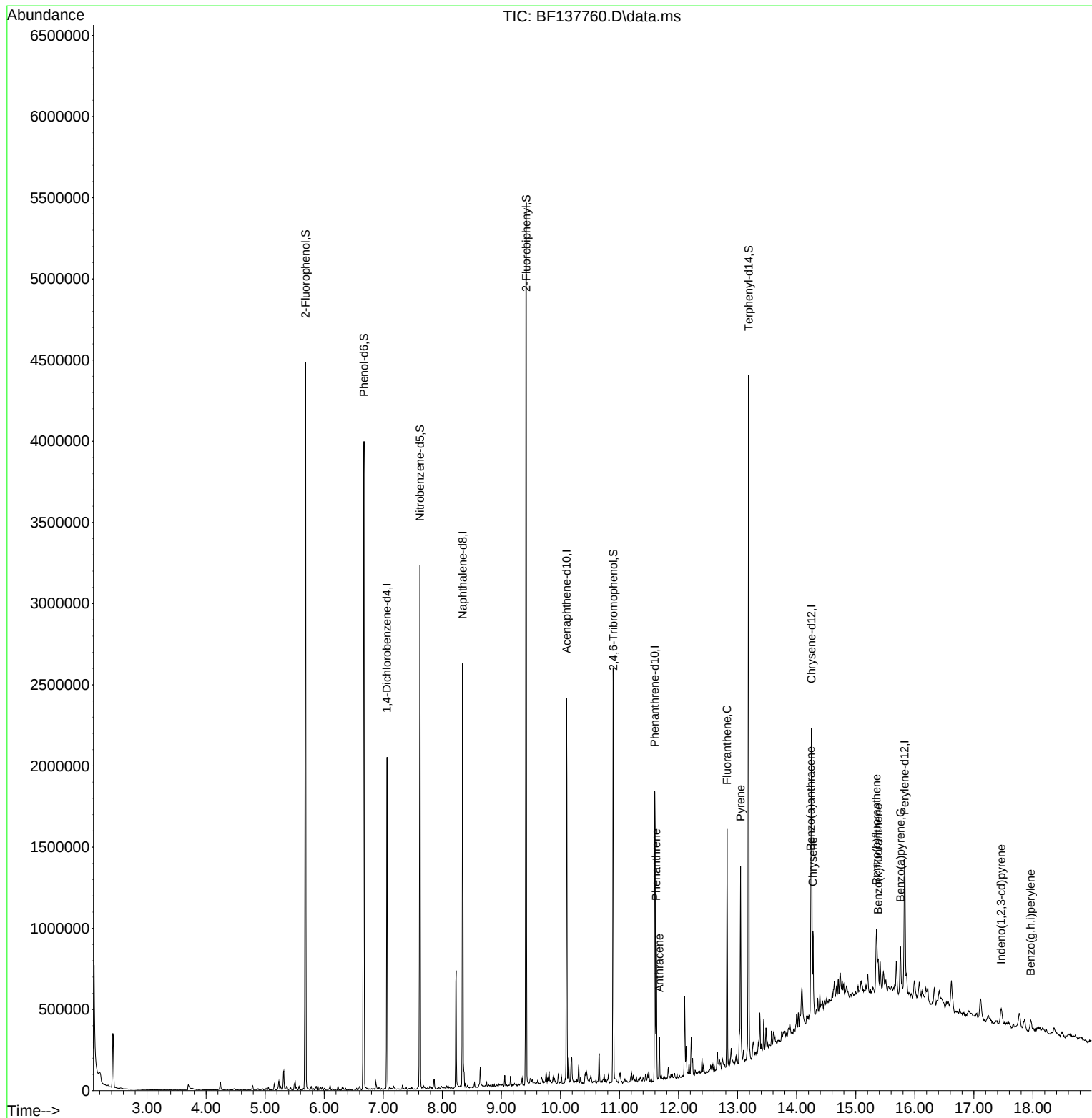
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
Data File : BF137760.D
Acq On : 29 Apr 2024 21:06
Operator : CG\JU
Sample : P2294-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

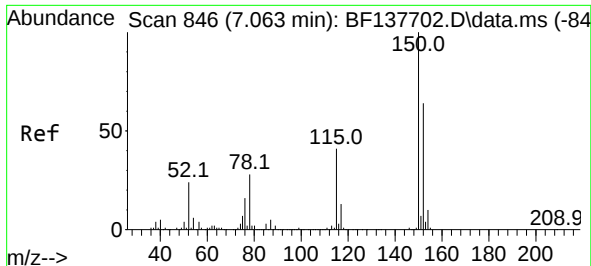
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-1

Quant Time: Apr 30 03:09:26 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
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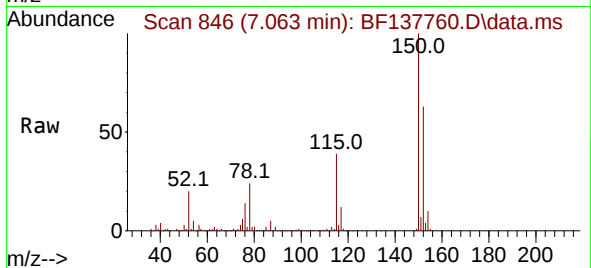
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

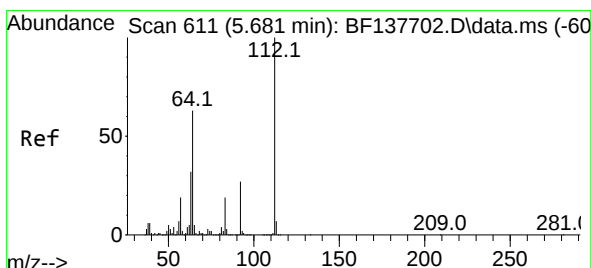
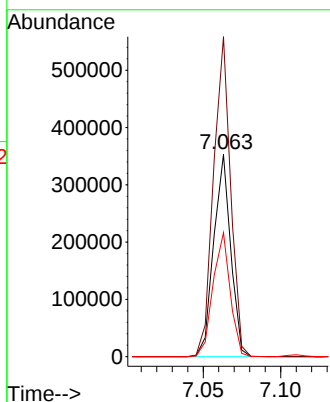
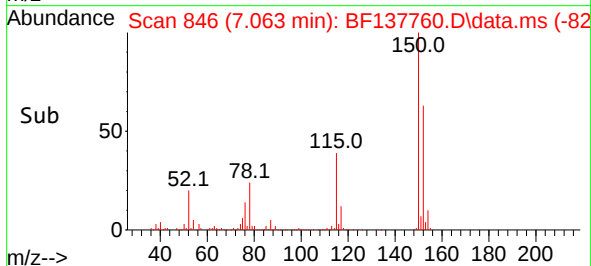
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-1



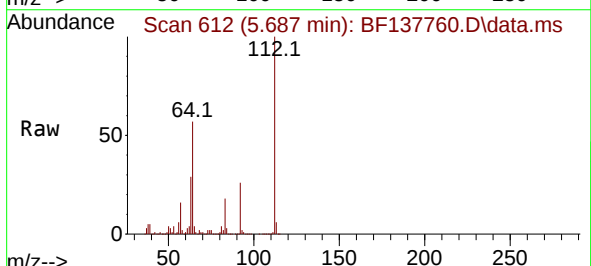
Tgt Ion:152 Resp: 269168
Ion Ratio Lower Upper
152 100
150 158.2 124.2 186.4
115 61.3 50.8 76.2

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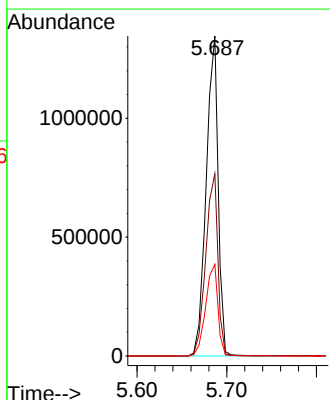
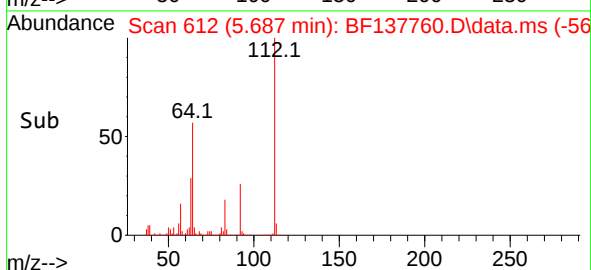
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#5
2-Fluorophenol
Concen: 70.254 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06



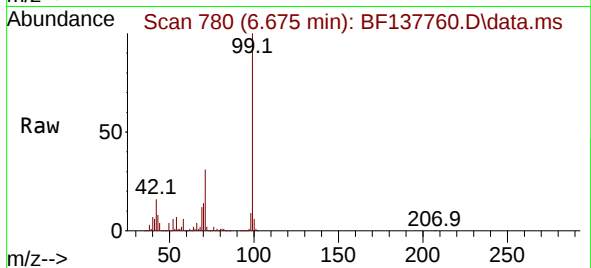
Tgt Ion:112 Resp: 1244883
Ion Ratio Lower Upper
112 100
64 56.9 50.1 75.1
63 28.7 25.2 37.8





#7
Phenol-d6
Concen: 68.429 ng
RT: 6.675 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

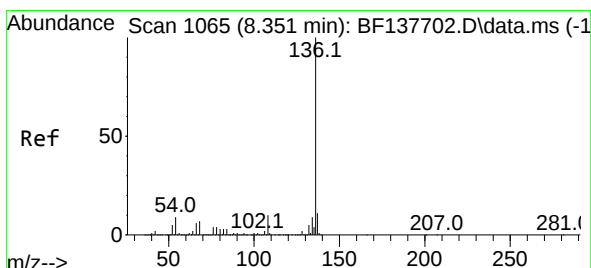
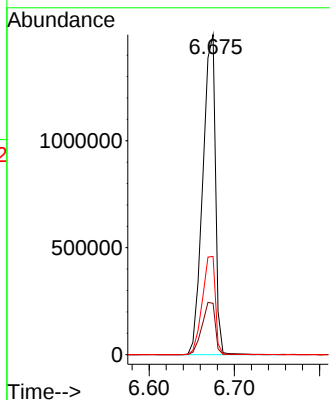
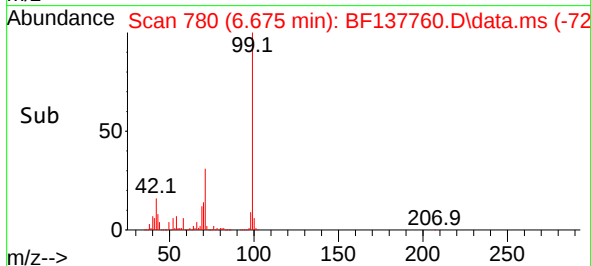
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-1



Tgt Ion: 99 Resp: 1539799
Ion Ratio Lower Upper
99 100
42 16.1 15.0 22.4
71 30.7 25.7 38.5

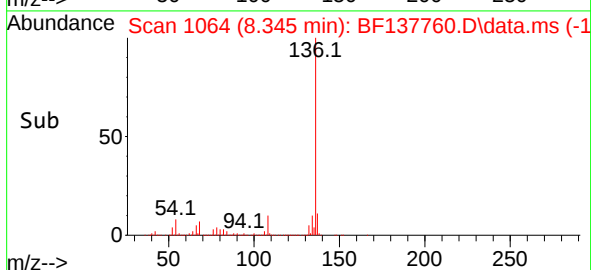
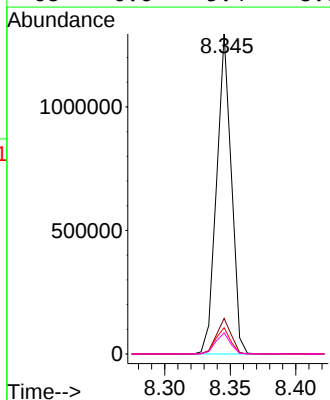
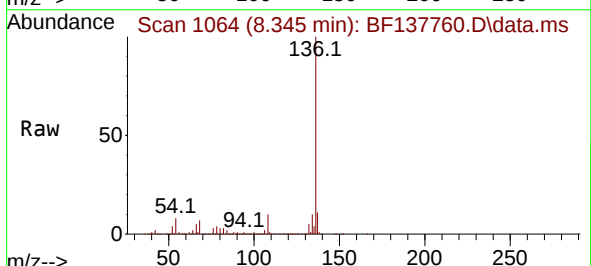
Manual Integrations
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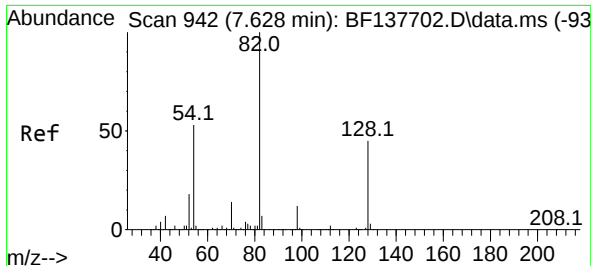
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion:136 Resp: 1009375
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.2 6.9 10.3
68 6.6 5.4 8.0





#23
Nitrobenzene-d5
Concen: 48.883 ng
RT: 7.622 min Scan# 942
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

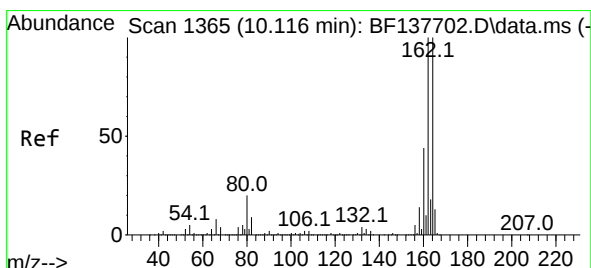
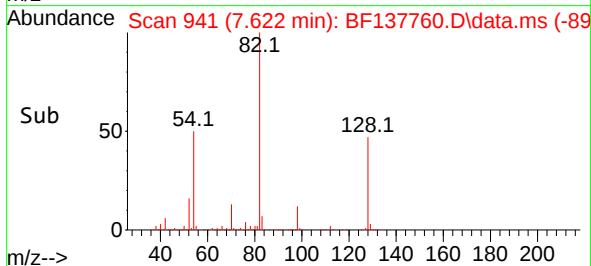
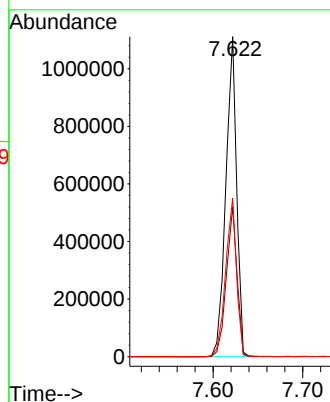
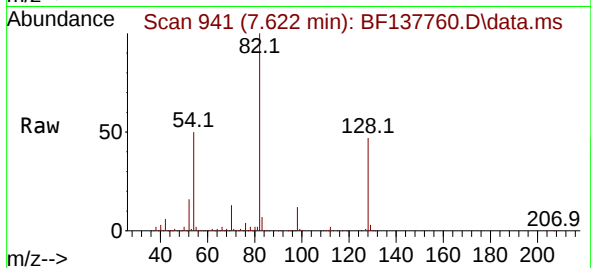
FOOT-PRINT-B-1

Tgt Ion: 82 Resp: 929498
Ion Ratio Lower Upper
82 100
128 46.9 35.8 53.6
54 49.6 42.5 63.7

Manual Integrations

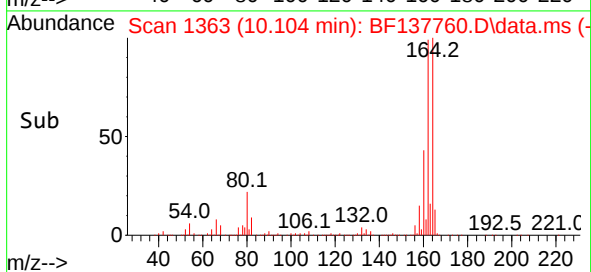
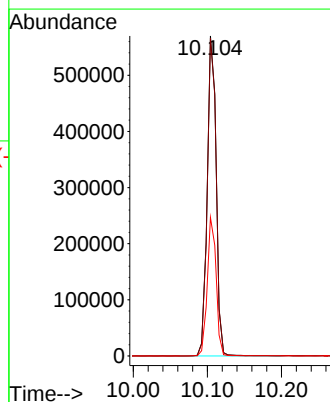
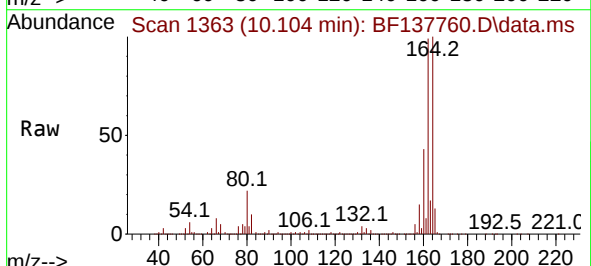
APPROVED

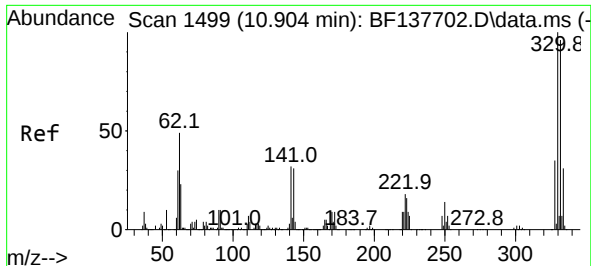
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

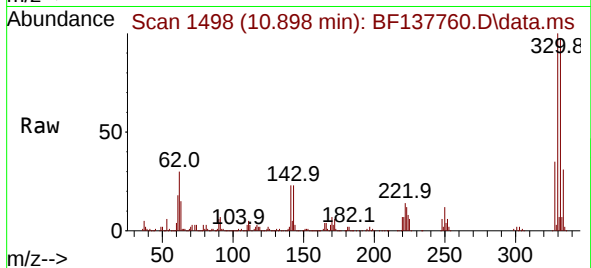
Tgt Ion:164 Resp: 480587
Ion Ratio Lower Upper
164 100
162 99.3 80.3 120.5
160 43.3 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 64.397 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

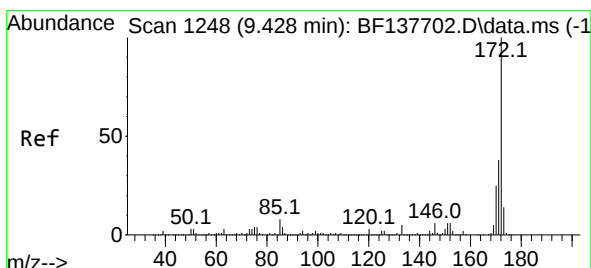
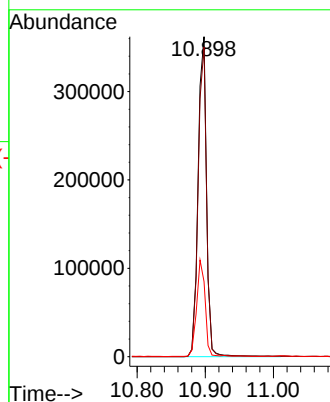
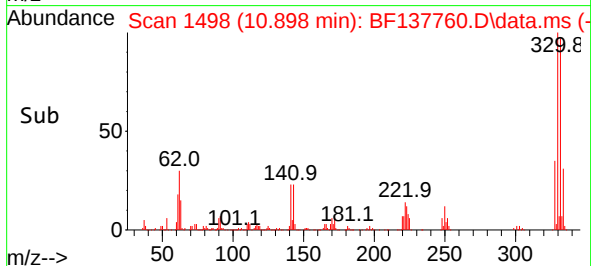
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-1



Tgt Ion:330 Resp: 312294
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 30.6 27.0 40.4

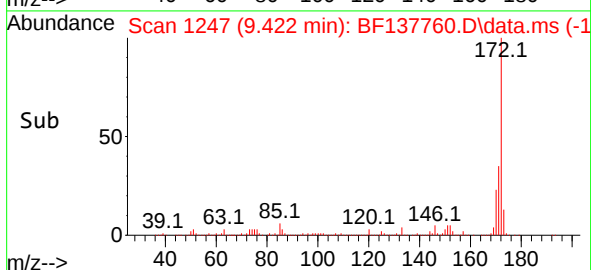
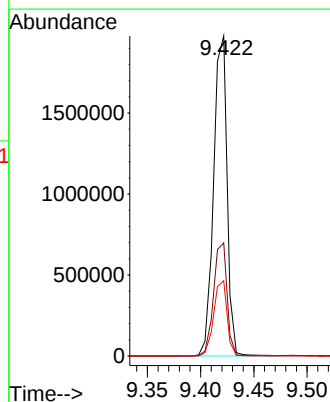
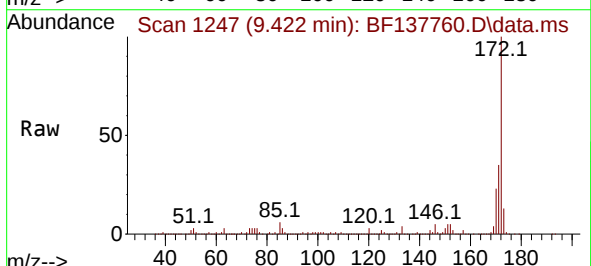
Manual Integrations
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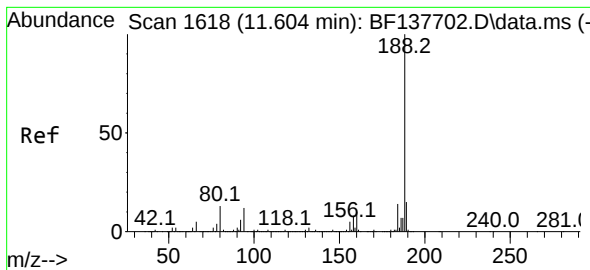
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#45
2-Fluorobiphenyl
Concen: 54.337 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

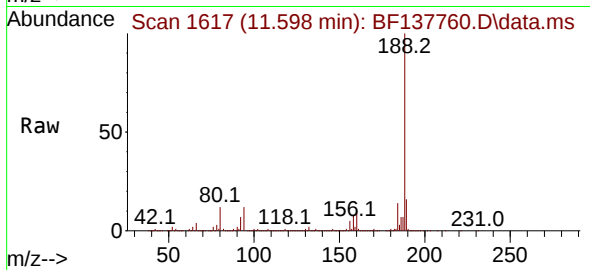
Tgt Ion:172 Resp: 1747649
Ion Ratio Lower Upper
172 100
171 35.4 30.2 45.4
170 23.5 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

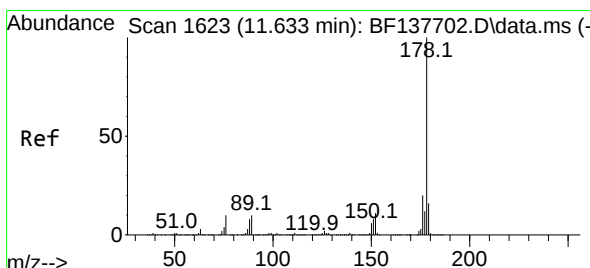
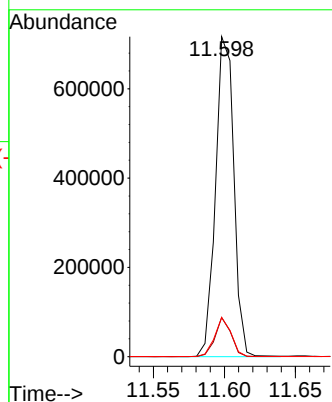
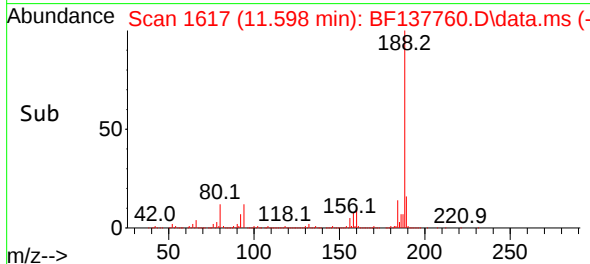
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-1



Tgt Ion:188 Resp: 64279
Ion Ratio Lower Upper
188 100
94 12.2 9.4 14.2
80 12.3 10.2 15.4

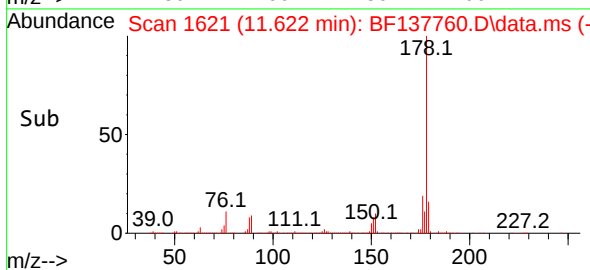
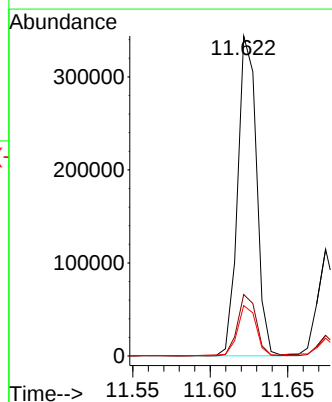
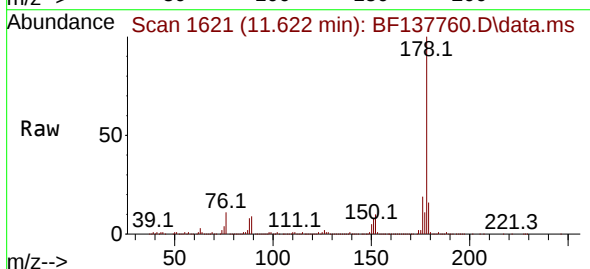
Manual Integrations
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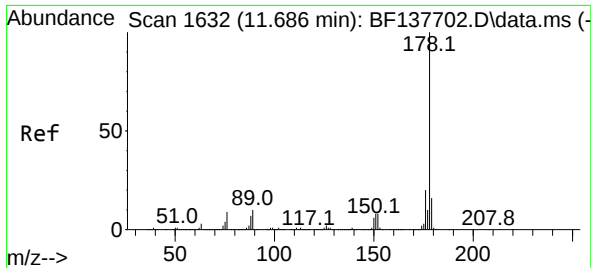
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#71
Phenanthrene
Concen: 8.539 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

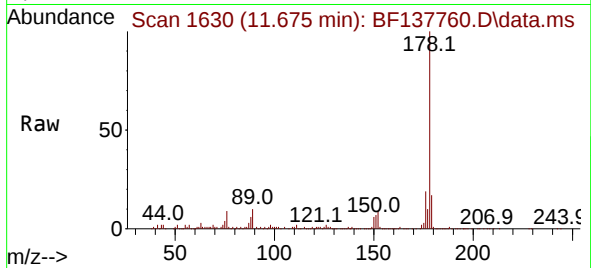
Tgt Ion:178 Resp: 290561
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.7 12.8 19.2





#72
 Anthracene
 Concen: 2.617 ng
 RT: 11.675 min Scan# 1630
 Delta R.T. -0.012 min
 Lab File: BF137760.D
 Acq: 29 Apr 2024 21:06

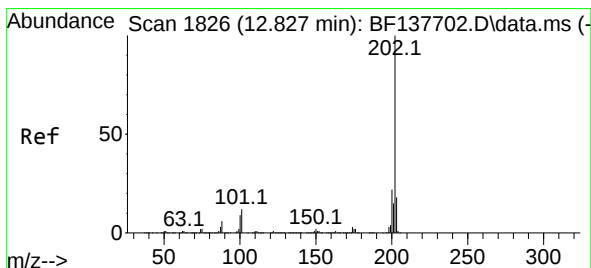
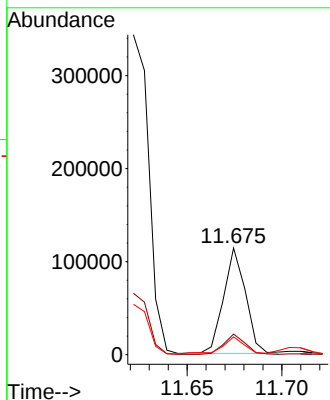
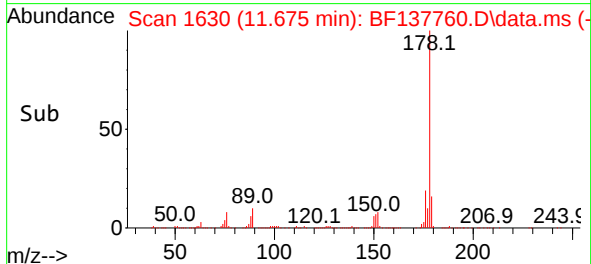
Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-1



Tgt Ion:178 Resp: 91199
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 16.7 13.0 19.6

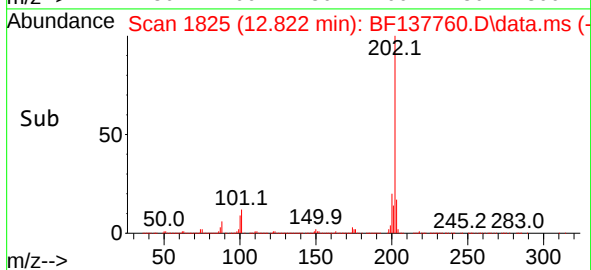
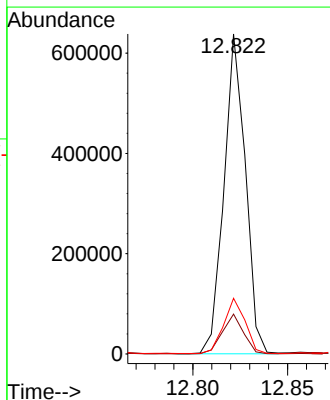
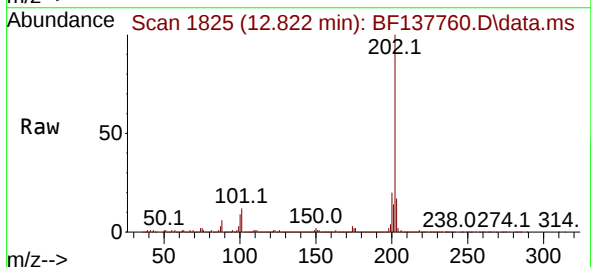
Manual Integrations
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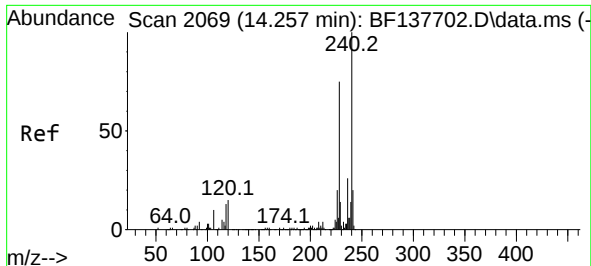
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024



#75
 Fluoranthene
 Concen: 14.009 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.006 min
 Lab File: BF137760.D
 Acq: 29 Apr 2024 21:06

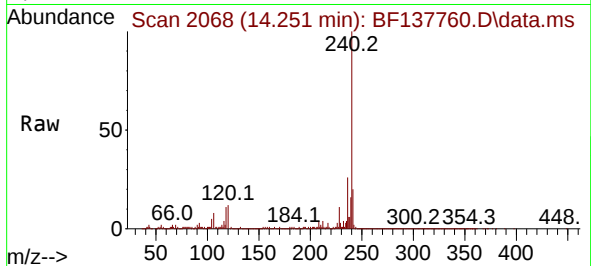
Tgt Ion:202 Resp: 501040
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 32.2
 203 17.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

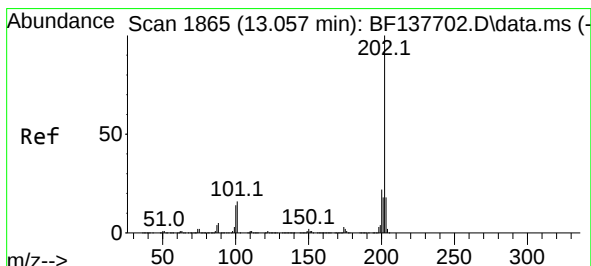
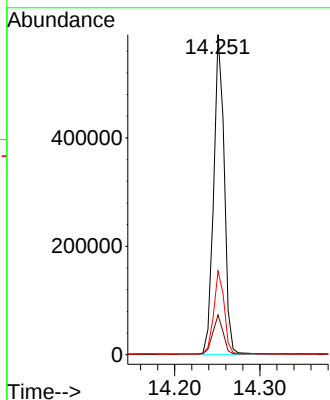
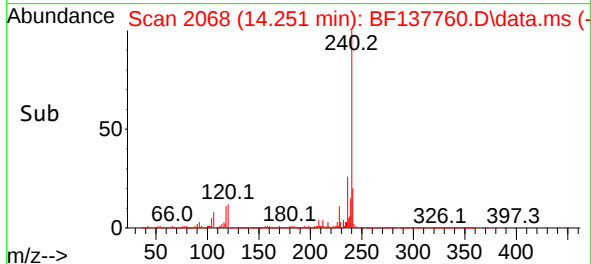
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-1



Tgt Ion:240 Resp: 510730
Ion Ratio Lower Upper
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120 12.4 11.9 17.9
236 26.1 20.8 31.2

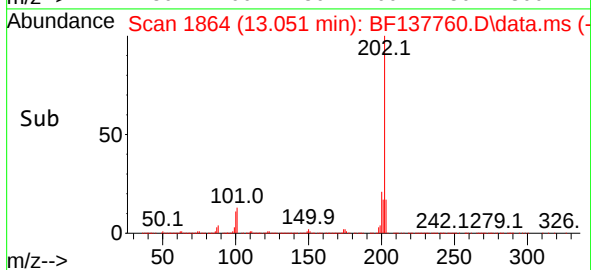
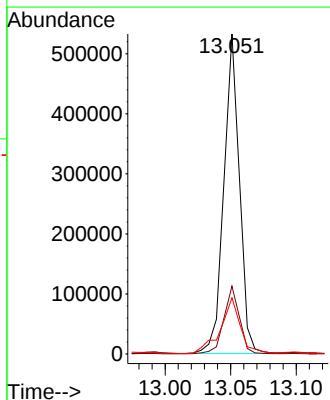
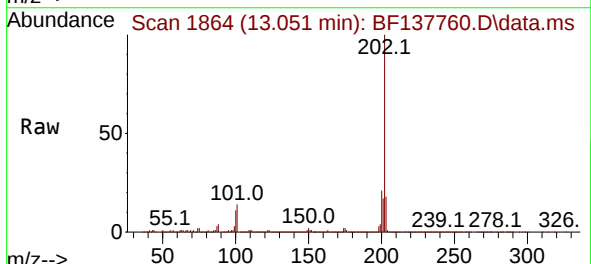
Manual Integrations
APPROVED

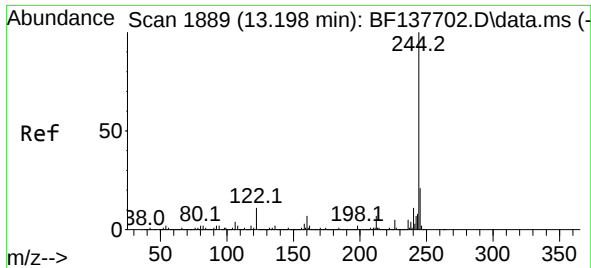
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#78
Pyrene
Concen: 10.480 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion:202 Resp: 439314
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 17.5 14.6 21.8





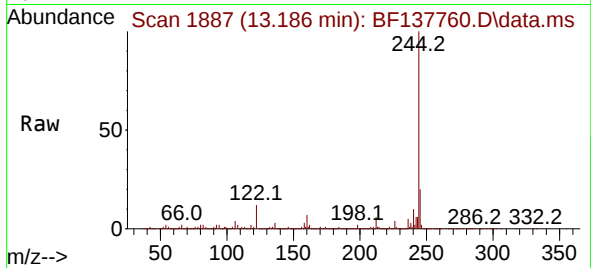
#79
 Terphenyl-d14
 Concen: 44.042 ng
 RT: 13.186 min Scan# 1889
 Delta R.T. -0.012 min
 Lab File: BF137760.D
 Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-1

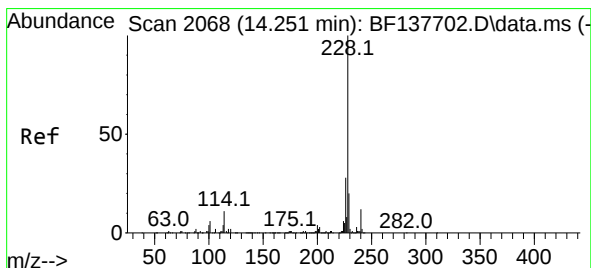
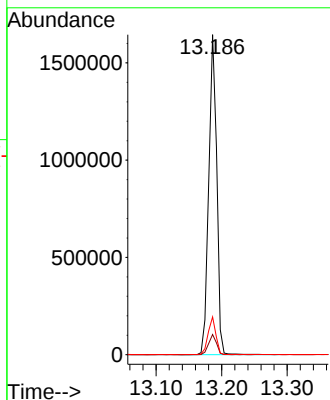
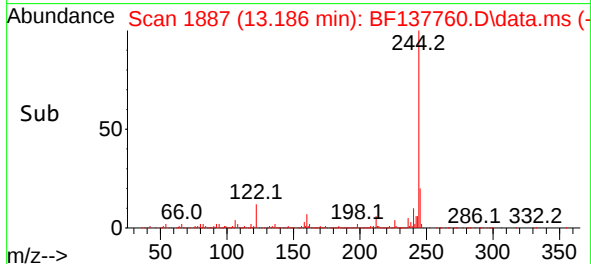


Tgt Ion:244 Resp: 1397530
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 11.8 8.8 13.2

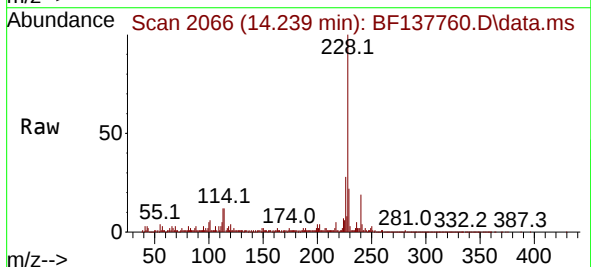
Manual Integrations

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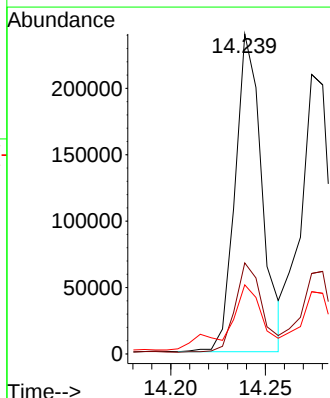
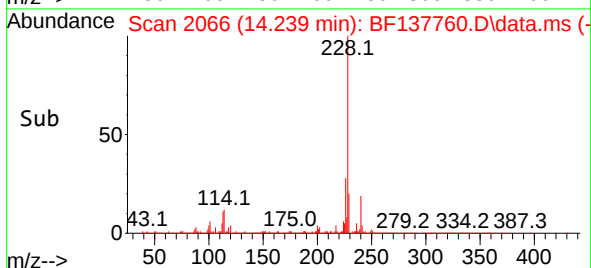
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024

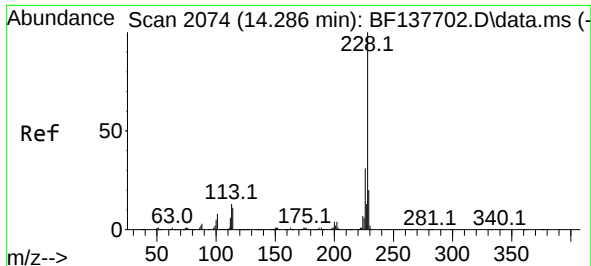


#81
 Benzo(a)anthracene
 Concen: 6.638 ng
 RT: 14.239 min Scan# 2066
 Delta R.T. -0.012 min
 Lab File: BF137760.D
 Acq: 29 Apr 2024 21:06



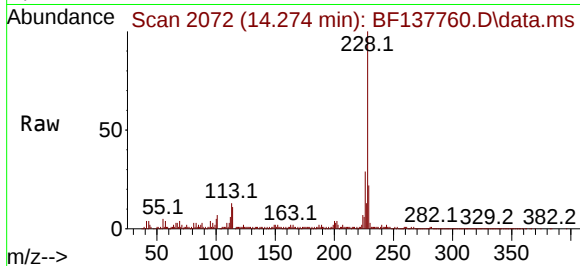
Tgt Ion:228 Resp: 236473
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.7 34.1
 229 21.6 16.0 24.0





#83
Chrysene
Concen: 6.618 ng
RT: 14.274 min Scan# 2074
Delta R.T. -0.012 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

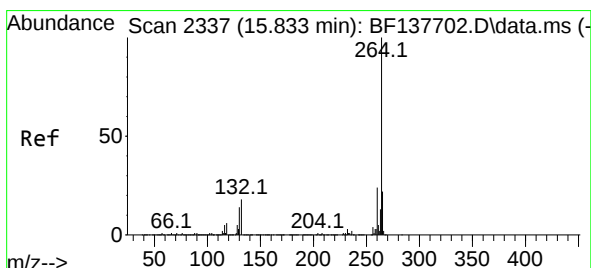
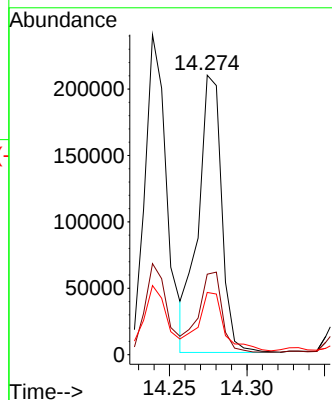
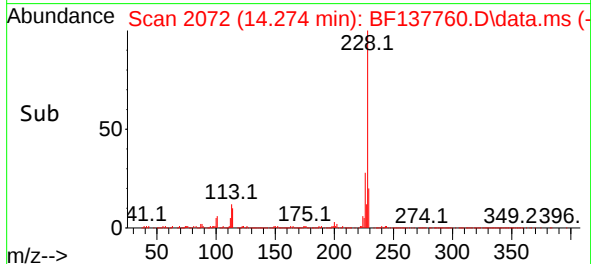
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-1



Tgt Ion:228 Resp: 220289
Ion Ratio Lower Upper
228 100
226 28.8 24.7 37.1
229 22.3 16.2 24.4

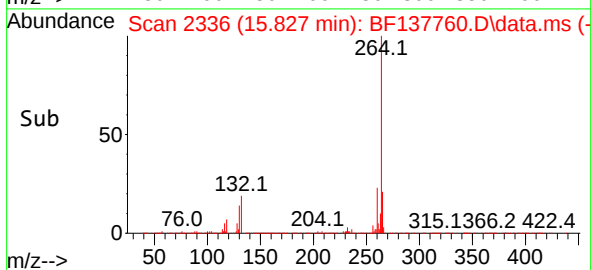
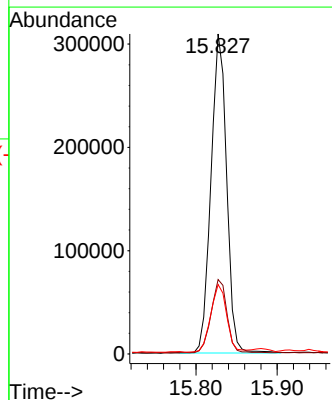
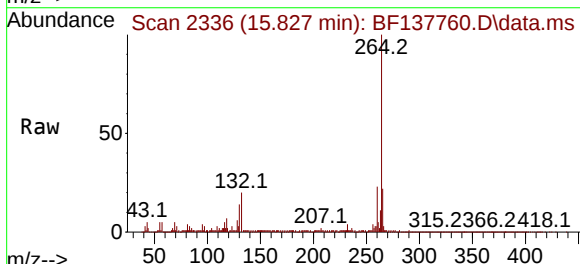
Manual Integrations
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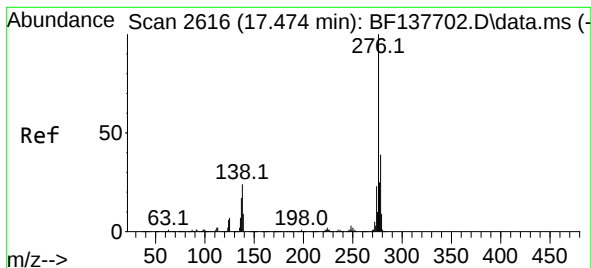
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.827 min Scan# 2336
Delta R.T. -0.006 min
Lab File: BF137760.D
Acq: 29 Apr 2024 21:06

Tgt Ion:264 Resp: 413083
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 21.7 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.124 ng

RT: 17.462 min Scan# 2614

Delta R.T. -0.012 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

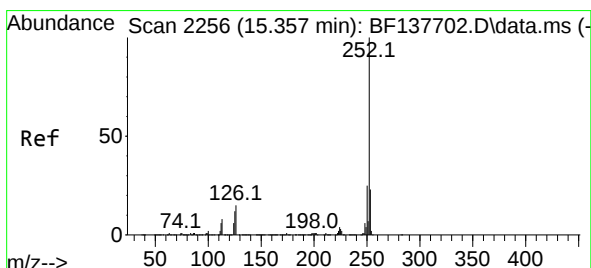
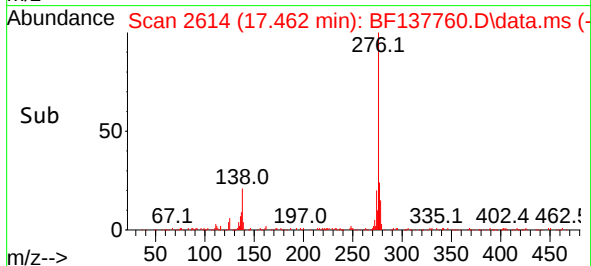
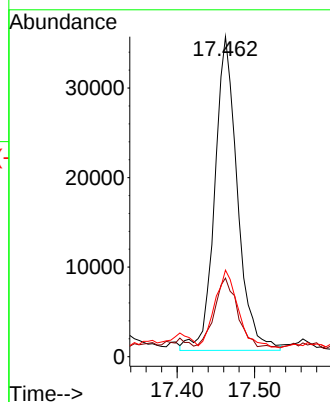
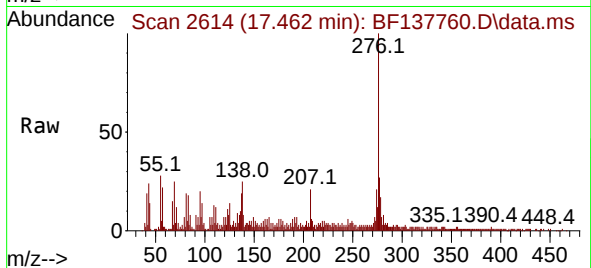
FOOT-PRINT-B-1

Tgt Ion:	276	Resp:	7154
Ion Ratio	Lower	Upper	
276	100		
138	21.5	22.3	33.5
277	25.2	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: 7.872 ng m

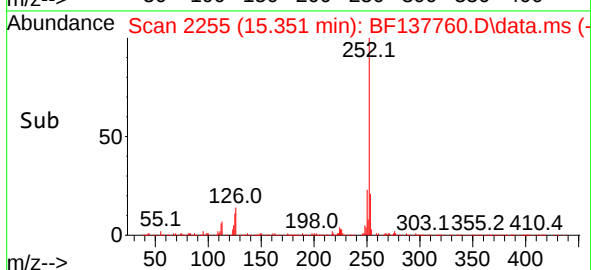
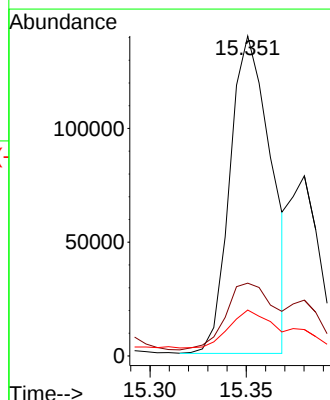
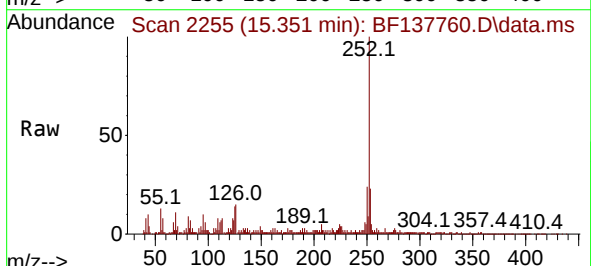
RT: 15.351 min Scan# 2255

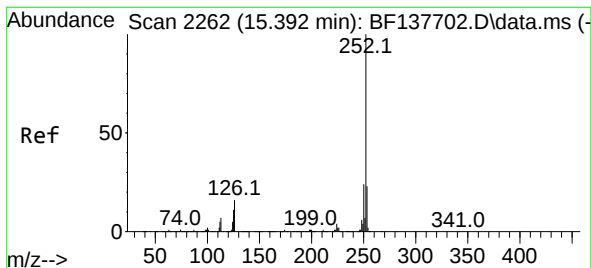
Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Tgt Ion:	252	Resp:	208081
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	14.3	9.2	13.8





#89

Benzo(k)fluoranthene

Concen: 3.196 ng m

RT: 15.380 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

Instrument :

BNA_F

ClientSampleId :

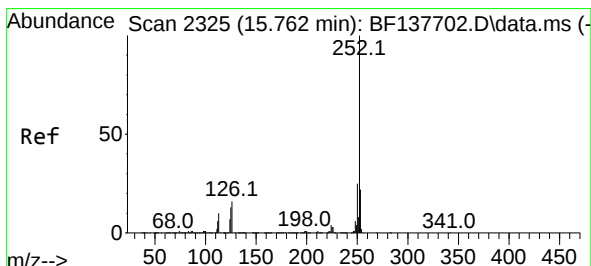
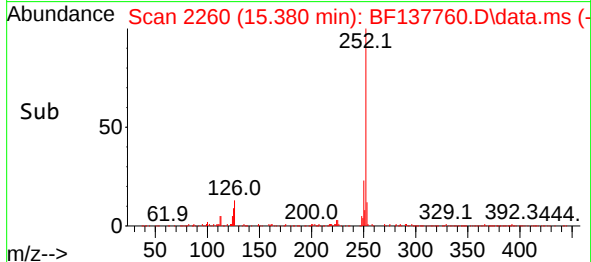
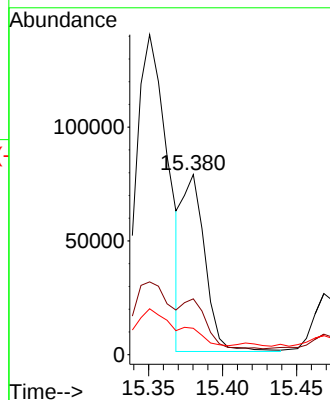
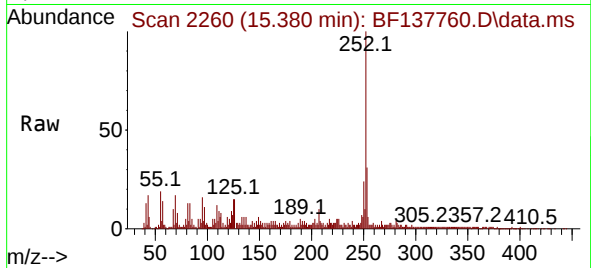
FOOT-PRINT-B-1

Tgt Ion:	252	Resp:	8305
Ion Ratio	Lower	Upper	
252	100		
253	31.0	18.0	27.0
125	14.6	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: 6.044 ng

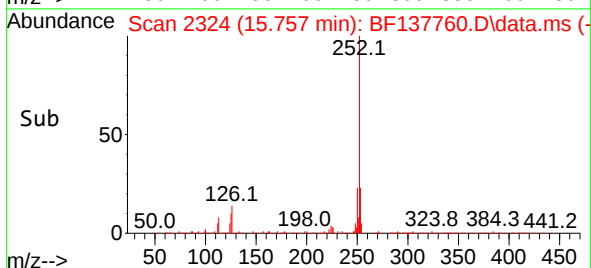
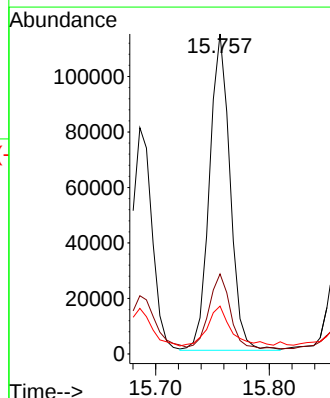
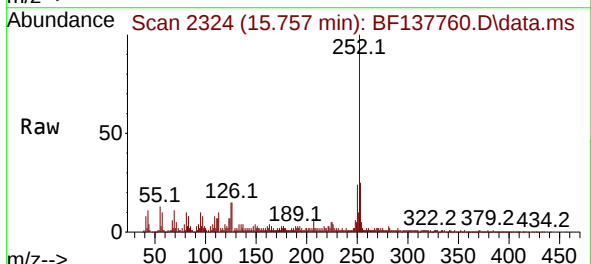
RT: 15.757 min Scan# 2324

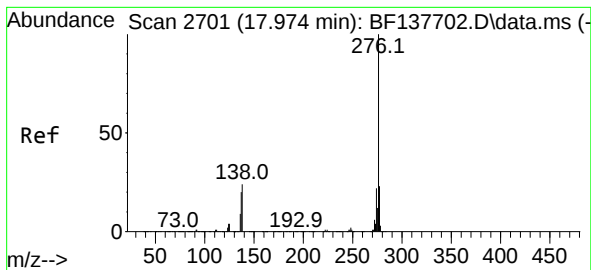
Delta R.T. -0.006 min

Lab File: BF137760.D

Acq: 29 Apr 2024 21:06

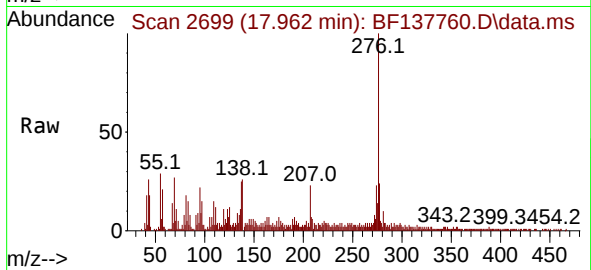
Tgt Ion:	252	Resp:	143312
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	15.0	10.2	15.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.493 ng
 RT: 17.962 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF137760.D
 Acq: 29 Apr 2024 21:06

Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-1



Tgt Ion:	276	Resp:	6455
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.5	27.7
138	25.6	19.5	29.3

Manual Integrations
 APPROVED

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

