

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137762.D
 Acq On : 29 Apr 2024 22:14
 Operator : CG\JU
 Sample : P2294-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-3

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 03:10:17 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	261022	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	980771	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	492983	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	662935	20.000	ng	0.00
76) Chrysene-d12	14.251	240	491918	20.000	ng	0.00
86) Perylene-d12	15.827	264	436662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1432058	83.340	ng	0.00
7) Phenol-d6	6.675	99	1775071	81.347	ng	0.00
23) Nitrobenzene-d5	7.622	82	1083770	58.658	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	396339	79.673	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	2110017	63.954	ng	0.00
79) Terphenyl-d14	13.186	244	1672287	54.717	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.621	178	305563	8.707	ng	97
72) Anthracene	11.674	178	91652	2.551	ng	98
75) Fluoranthene	12.821	202	445505	12.078	ng	99
78) Pyrene	13.051	202	371917	9.211	ng	98
81) Benzo(a)anthracene	14.239	228	201804	5.882	ng	98
83) Chrysene	14.280	228	174597	5.446	ng	97
87) Indeno(1,2,3-cd)pyrene	17.456	276	65193	2.693	ng	96
88) Benzo(b)fluoranthene	15.351	252	198355m	7.099	ng	
89) Benzo(k)fluoranthene	15.380	252	74571m	2.715	ng	
90) Benzo(a)pyrene	15.757	252	139502	5.565	ng	100
92) Benzo(g,h,i)perylene	17.956	276	61922	3.169	ng	97

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

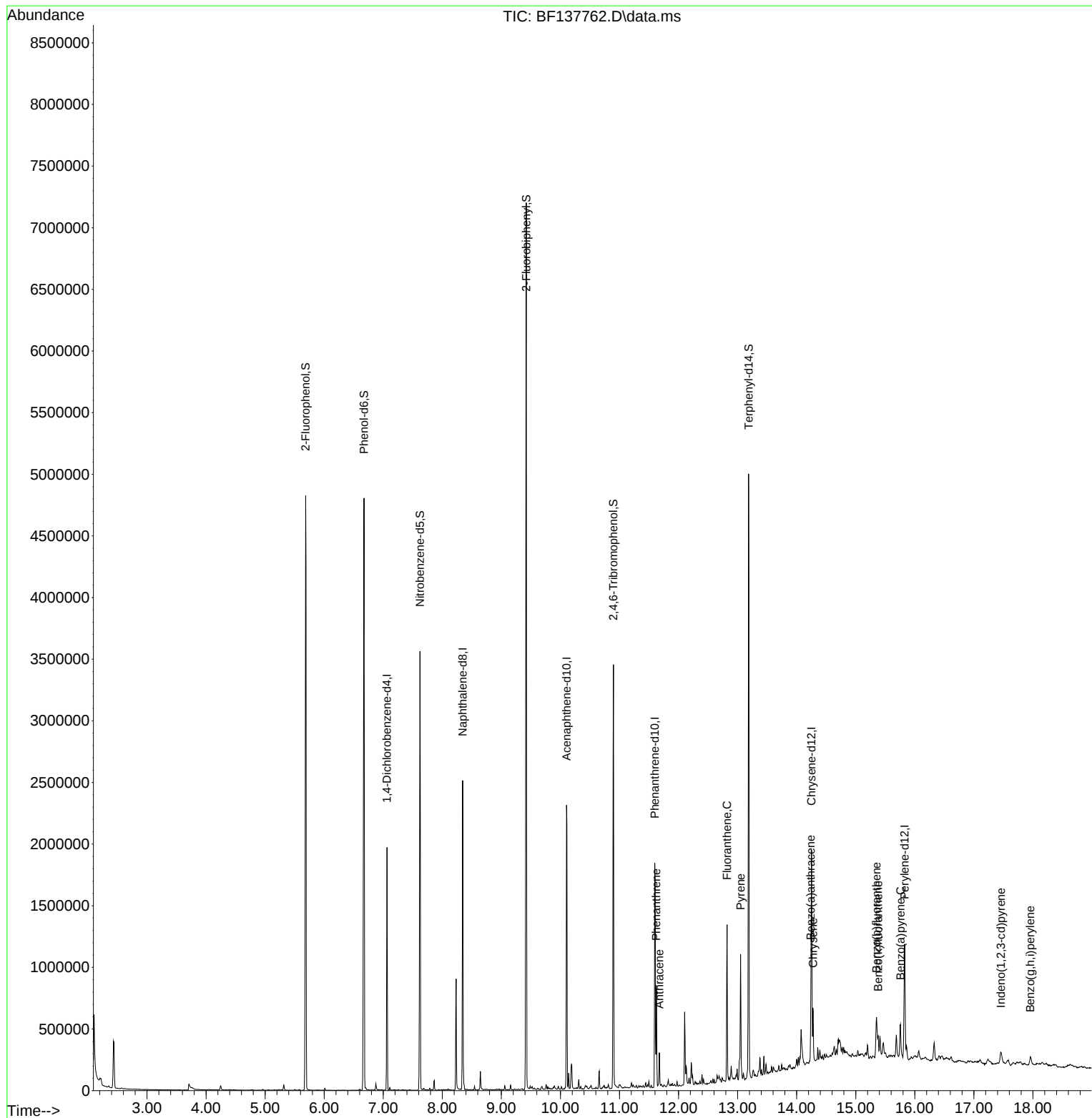
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
Data File : BF137762.D
Acq On : 29 Apr 2024 22:14
Operator : CG\JU
Sample : P2294-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

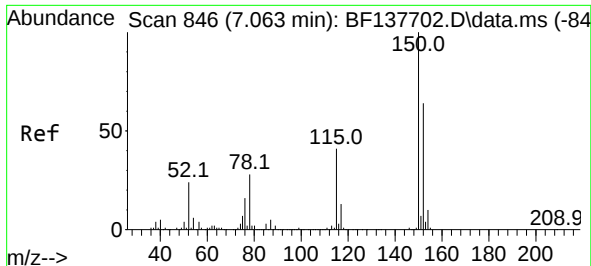
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3

Quant Time: Apr 30 03:10:17 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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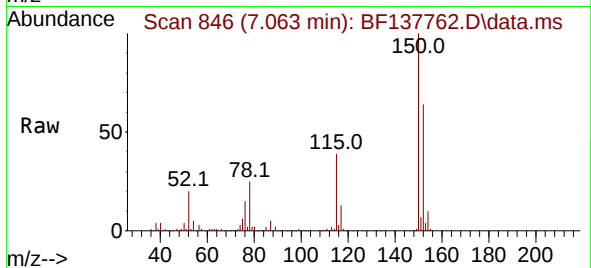
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

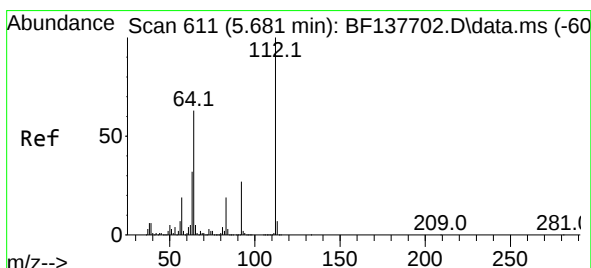
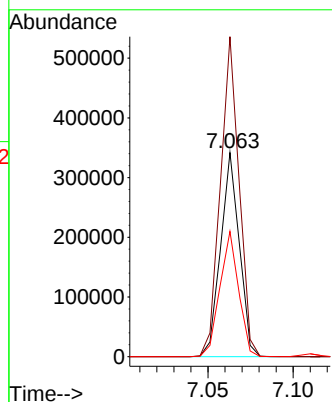
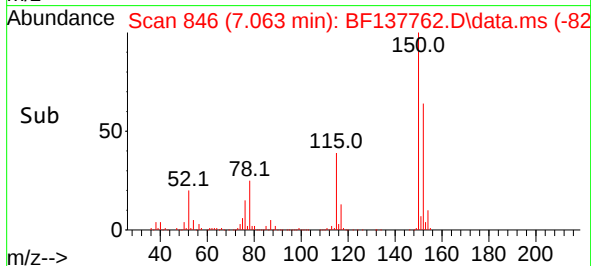
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



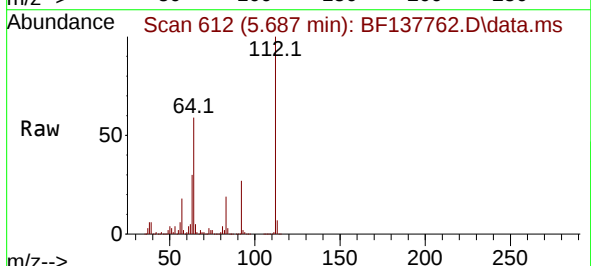
Tgt Ion:152 Resp: 26102
Ion Ratio Lower Upper
152 100
150 156.7 124.2 186.4
115 61.4 50.8 76.2

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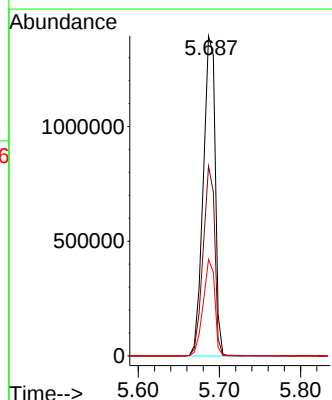
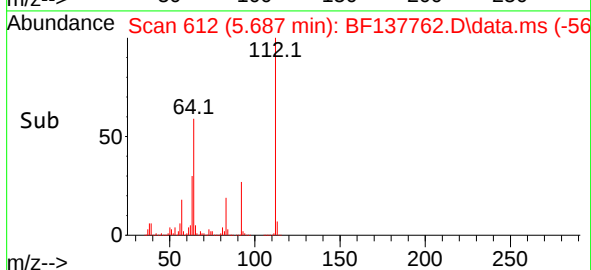
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#5
2-Fluorophenol
Concen: 83.340 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14



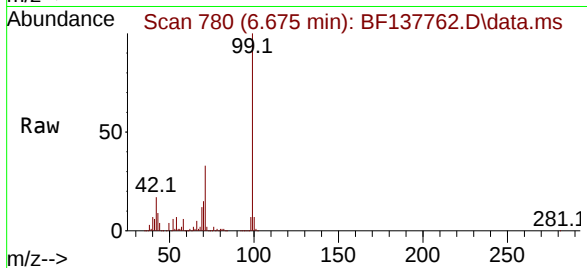
Tgt Ion:112 Resp: 1432058
Ion Ratio Lower Upper
112 100
64 59.3 50.1 75.1
63 30.2 25.2 37.8





#7
Phenol-d6
Concen: 81.347 ng
RT: 6.675 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

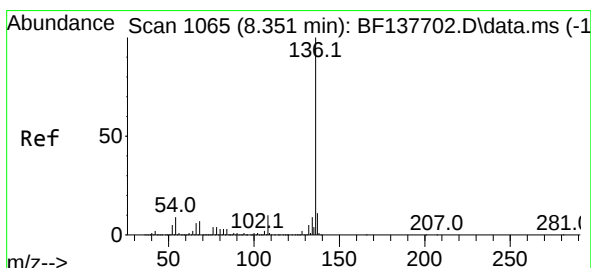
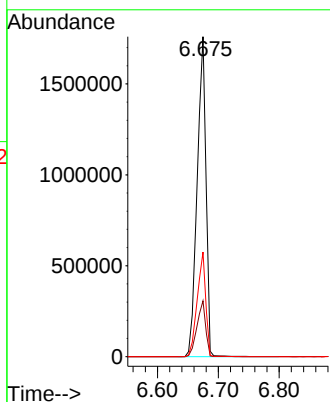
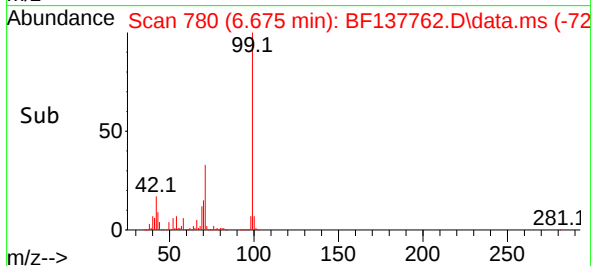
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



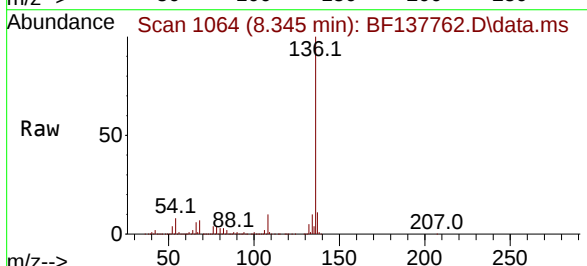
Tgt Ion: 99 Resp: 177507
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.4
71 32.7 25.7 38.5

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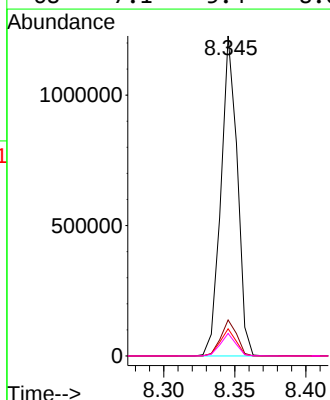
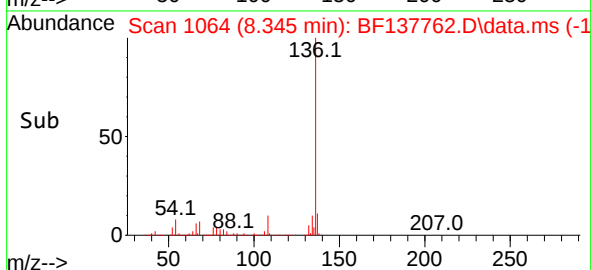
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

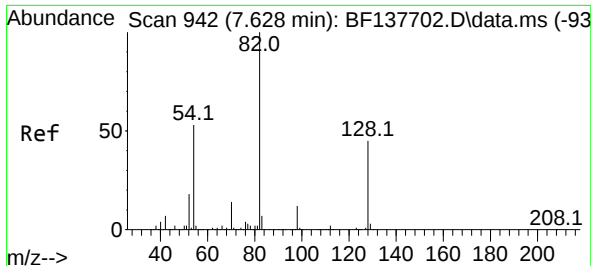


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14



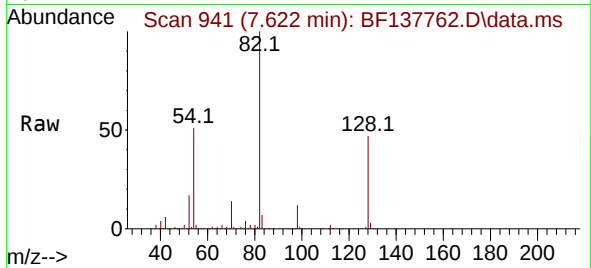
Tgt Ion:136 Resp: 980771
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.5 6.9 10.3
68 7.1 5.4 8.0





#23
Nitrobenzene-d5
Concen: 58.658 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

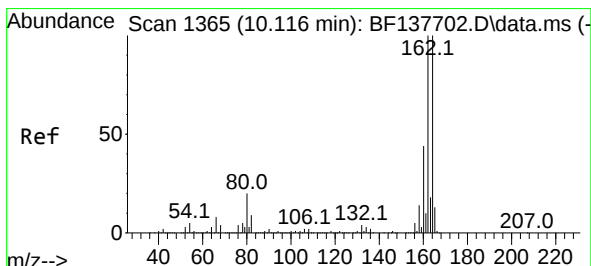
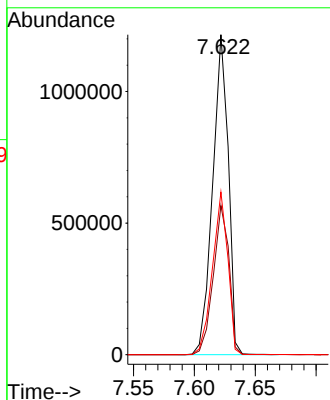
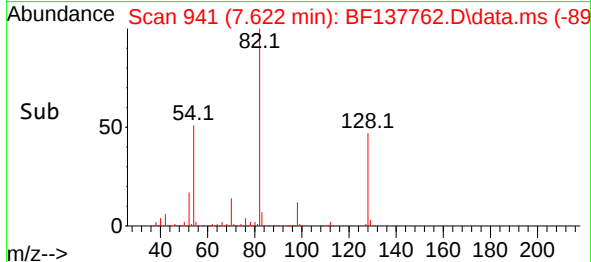
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



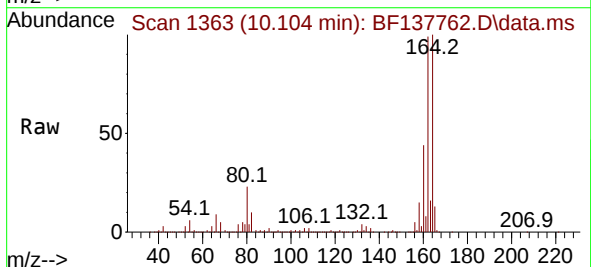
Tgt Ion: 82 Resp: 1083770
Ion Ratio Lower Upper
82 100
128 46.6 35.8 53.6
54 50.8 42.5 63.7

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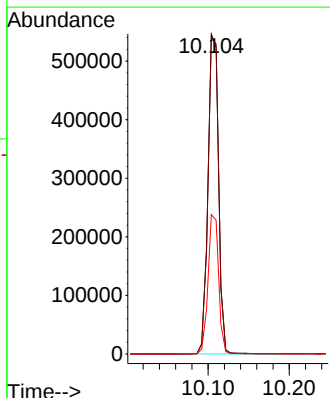
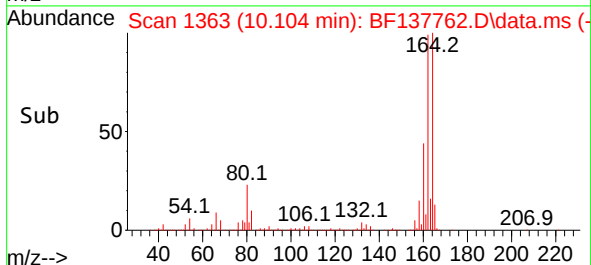
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

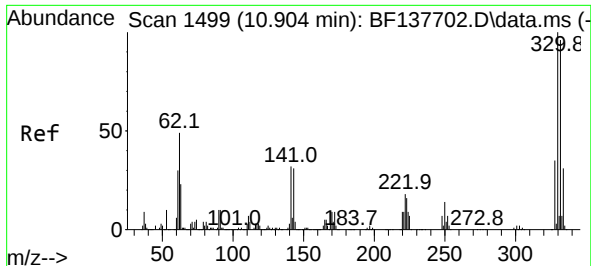


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14



Tgt Ion:164 Resp: 492983
Ion Ratio Lower Upper
164 100
162 99.0 80.3 120.5
160 43.5 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 79.673 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

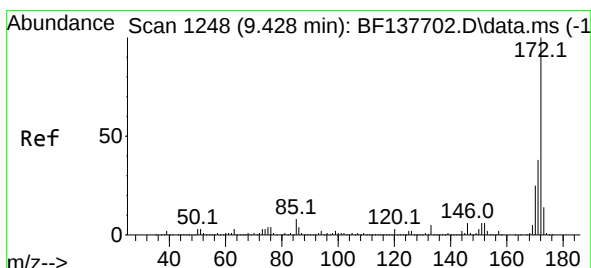
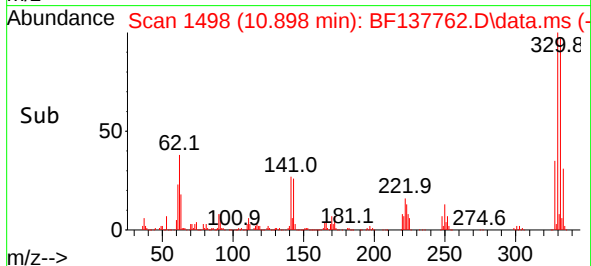
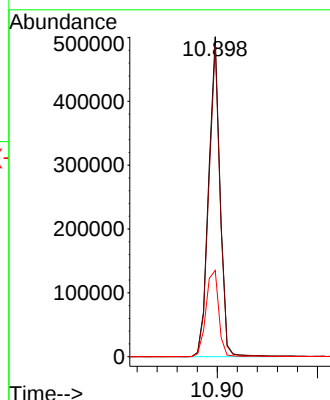
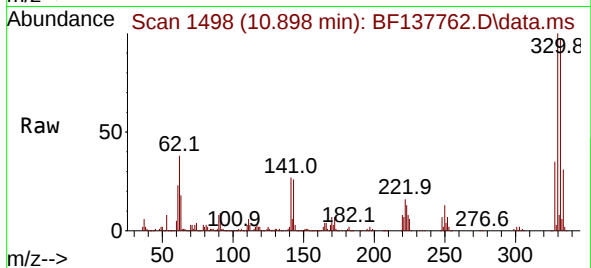
FOOT-PRINT-B-3

Tgt Ion:330 Resp: 396339
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 30.4 27.0 40.4

Manual Integrations

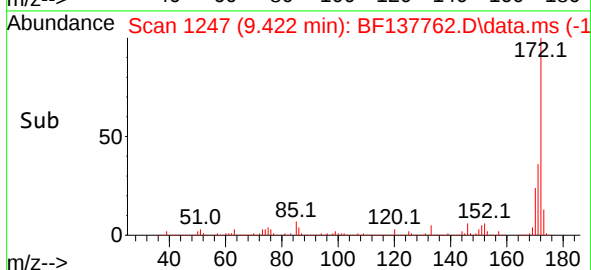
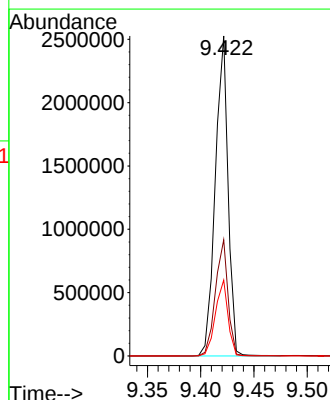
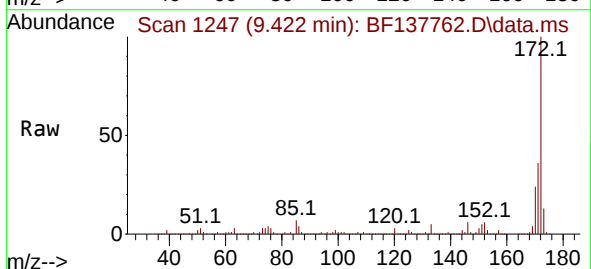
APPROVED

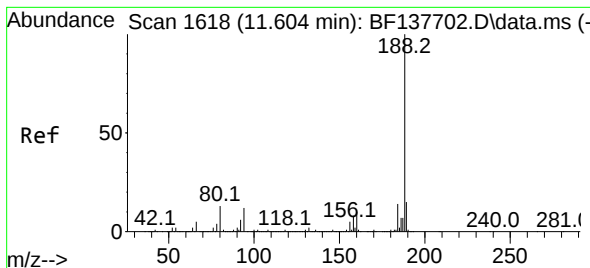
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#45
2-Fluorobiphenyl
Concen: 63.954 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

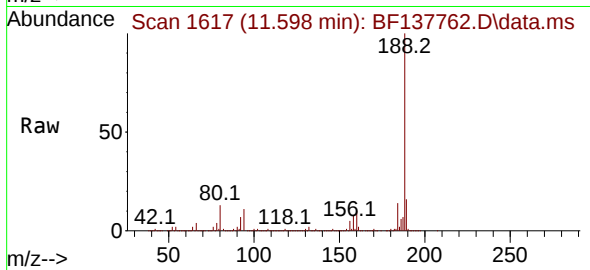
Tgt Ion:172 Resp: 2110017
Ion Ratio Lower Upper
172 100
171 36.3 30.2 45.4
170 23.7 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

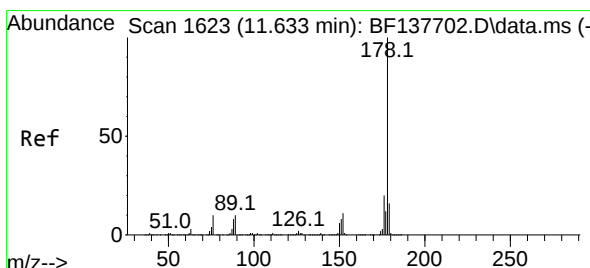
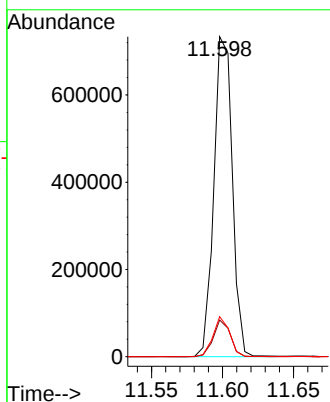
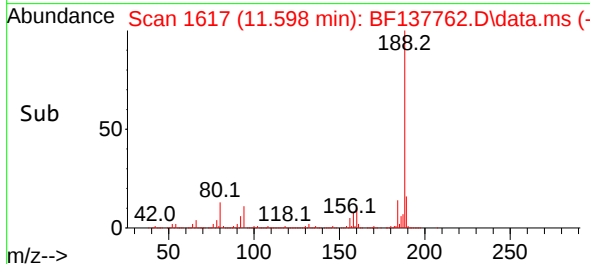
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



Tgt Ion:188 Resp: 662935
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.5 10.2 15.4

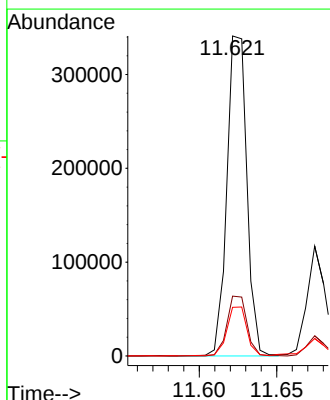
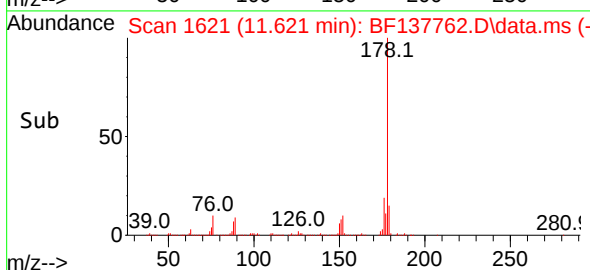
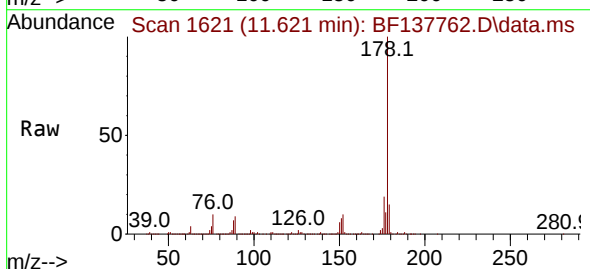
Manual Integrations
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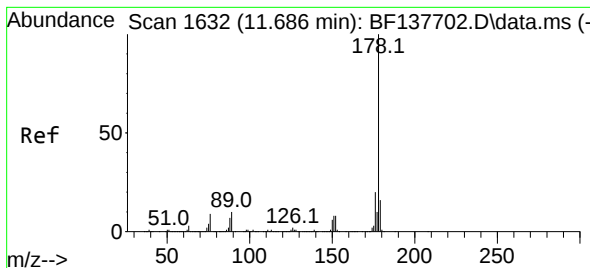
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#71
Phenanthrene
Concen: 8.707 ng
RT: 11.621 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Tgt Ion:178 Resp: 305563
Ion Ratio Lower Upper
178 100
176 18.7 16.4 24.6
179 15.2 12.8 19.2





#72

Anthracene

Concen: 2.551 ng

RT: 11.674 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3

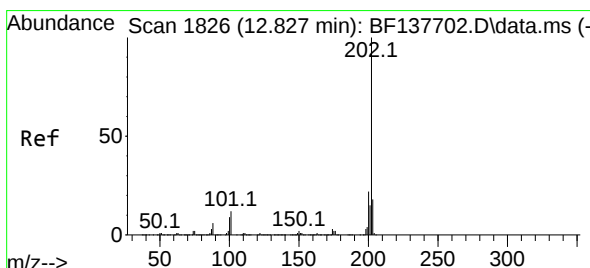
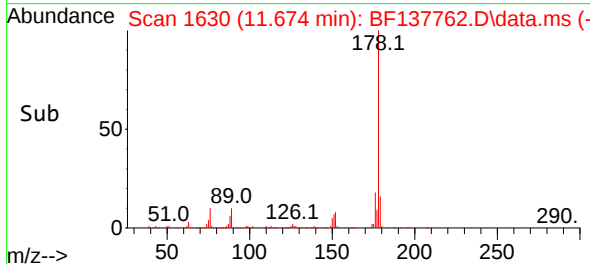
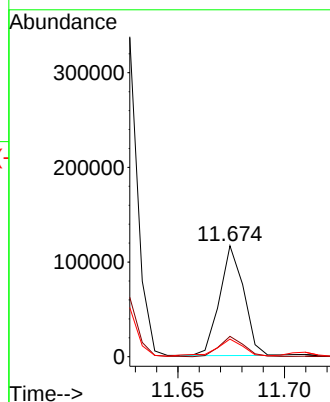
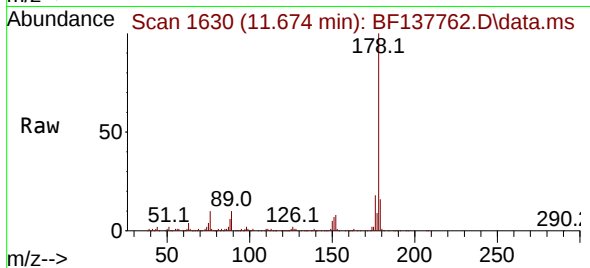
Tgt Ion:178 Resp: 91652

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.9	13.0	19.6

Manual Integrations

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#75

Fluoranthene

Concen: 12.078 ng

RT: 12.821 min Scan# 1825

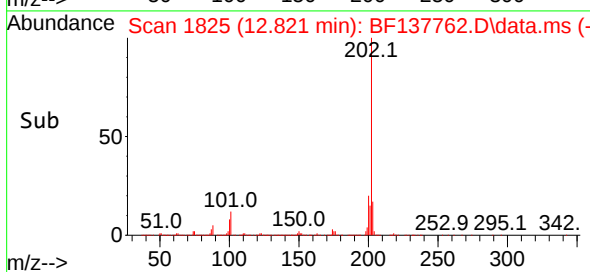
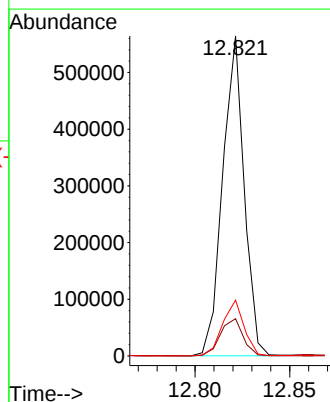
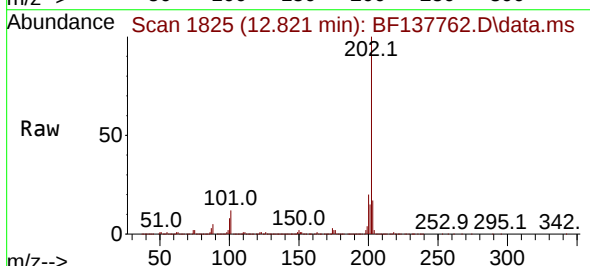
Delta R.T. -0.006 min

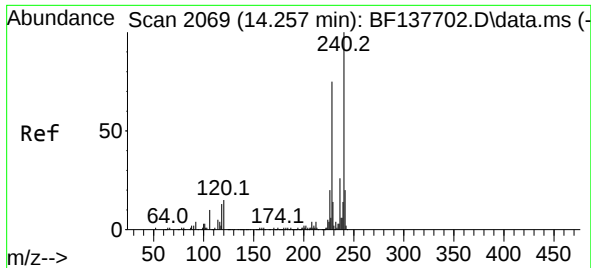
Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Tgt Ion:202 Resp: 445505

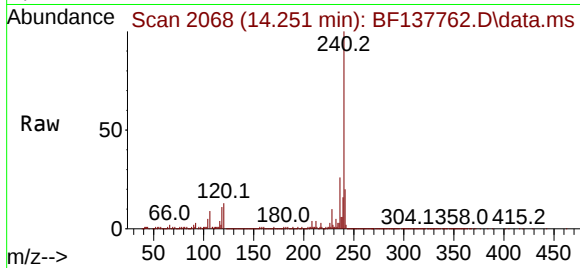
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.2
203	17.5	0.0	38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

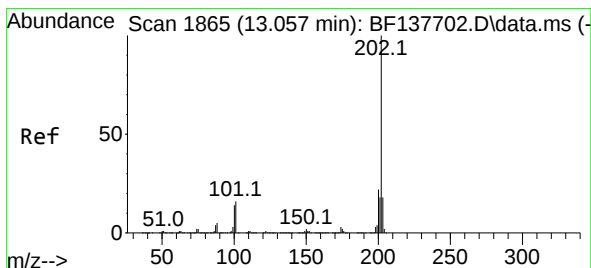
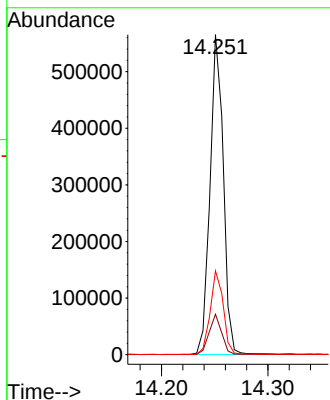
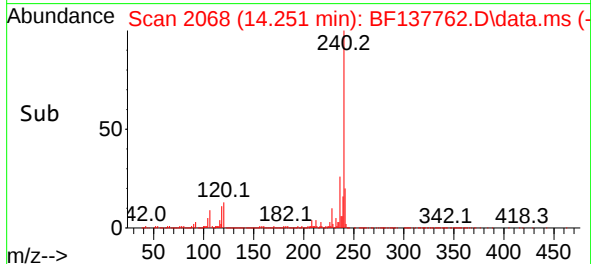
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



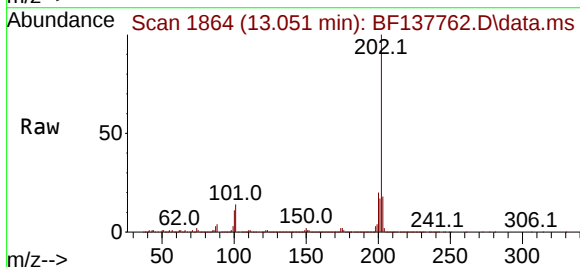
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Ion Ratio Lower Upper
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120 12.7 11.9 17.9
236 26.2 20.8 31.2

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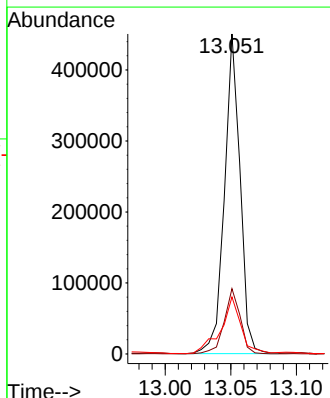
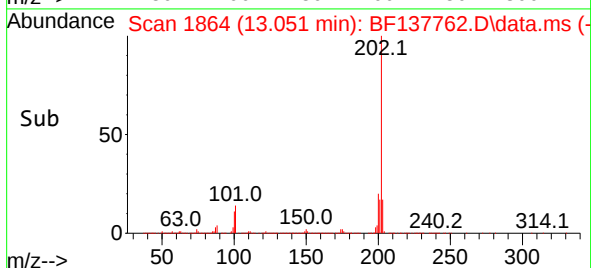
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

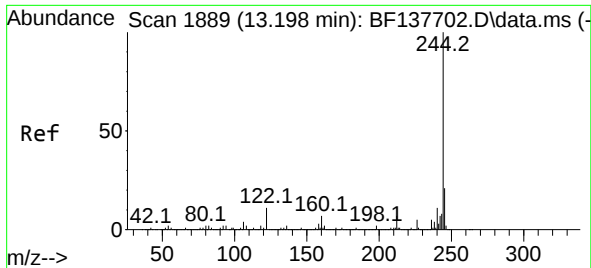


#78
Pyrene
Concen: 9.211 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14



Tgt Ion:202 Resp: 371917
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.6
203 17.8 14.6 21.8





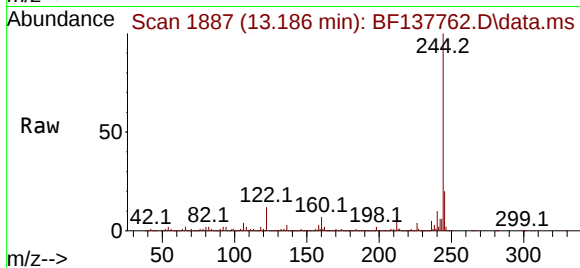
#79
 Terphenyl-d14
 Concen: 54.717 ng
 RT: 13.186 min Scan# 1889
 Delta R.T. -0.012 min
 Lab File: BF137762.D
 Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3

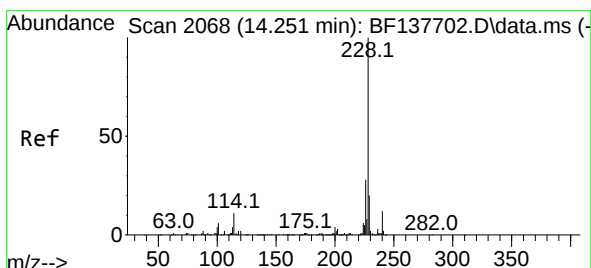
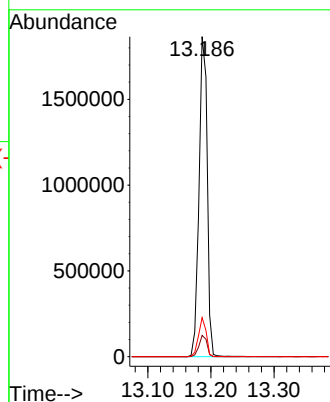
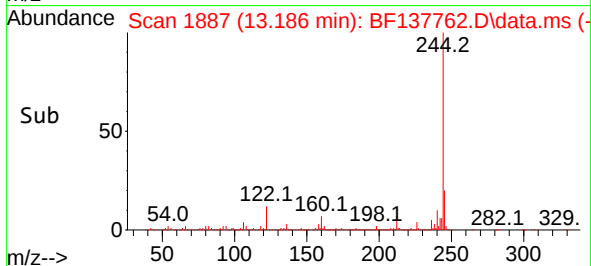


Tgt Ion:244 Resp: 167228
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 12.2 8.8 13.2

Manual Integrations

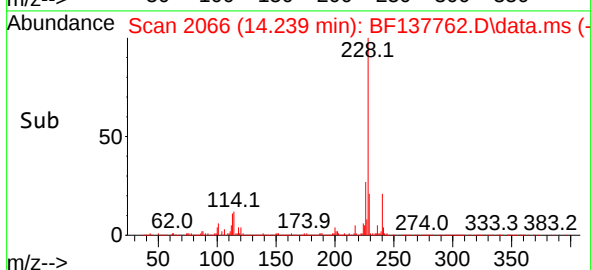
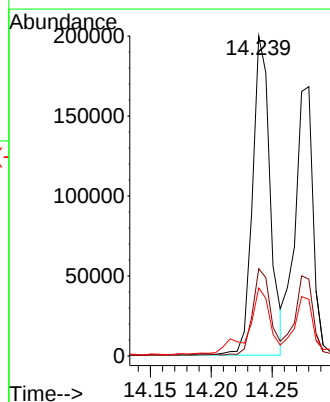
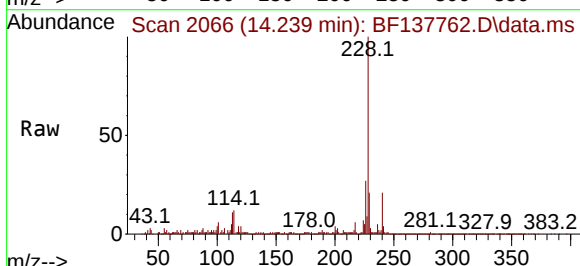
APPROVED

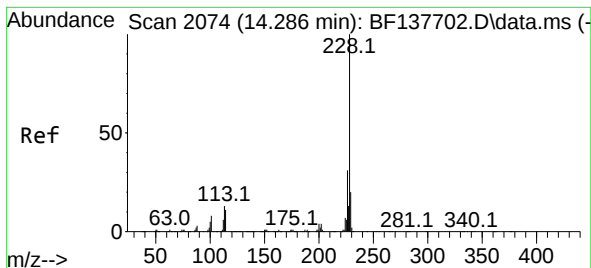
Reviewed By :Jagrut Upadhyay 04/30/2024
 Supervised By :mohammad ahmed 05/03/2024



#81
 Benzo(a)anthracene
 Concen: 5.882 ng
 RT: 14.239 min Scan# 2066
 Delta R.T. -0.012 min
 Lab File: BF137762.D
 Acq: 29 Apr 2024 22:14

Tgt Ion:228 Resp: 201804
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.7 34.1
 229 21.2 16.0 24.0





#83

Chrysene

Concen: 5.446 ng

RT: 14.280 min Scan# 2074

Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

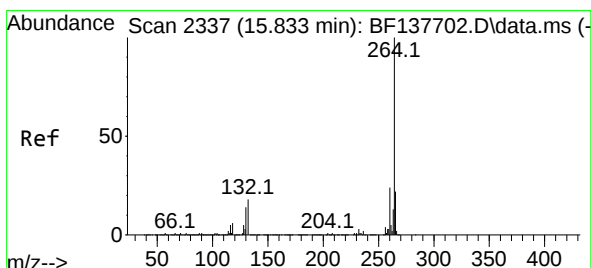
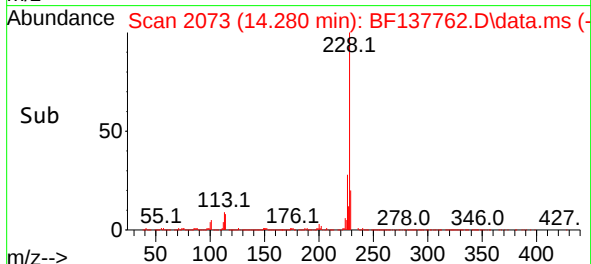
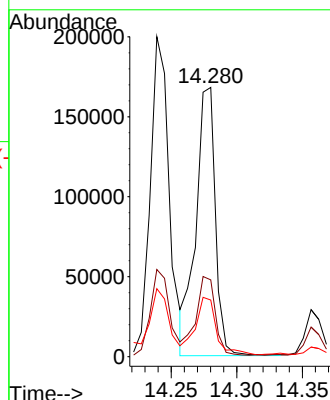
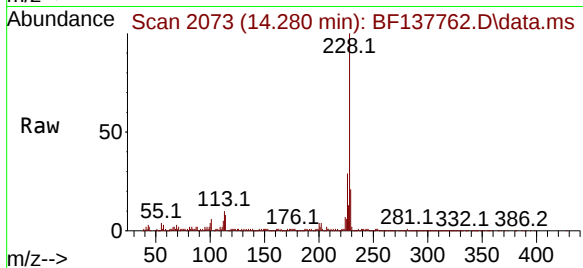
FOOT-PRINT-B-3

Tgt Ion:	228	Resp:	17459
Ion Ratio	Lower	Upper	
228	100		
226	28.6	24.7	37.1
229	21.0	16.2	24.4

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

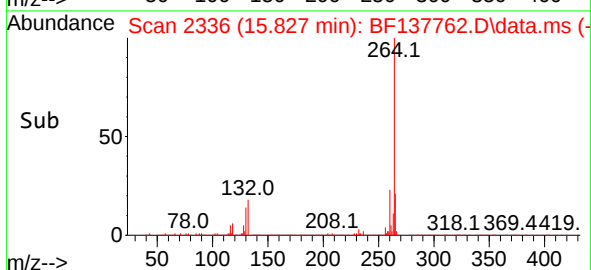
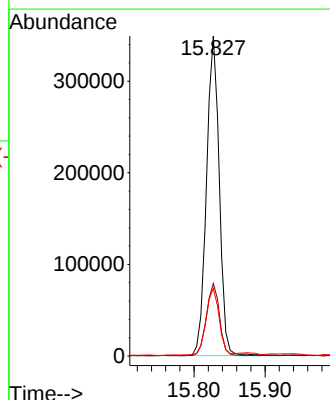
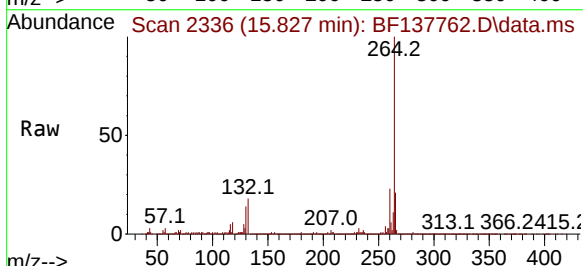
RT: 15.827 min Scan# 2336

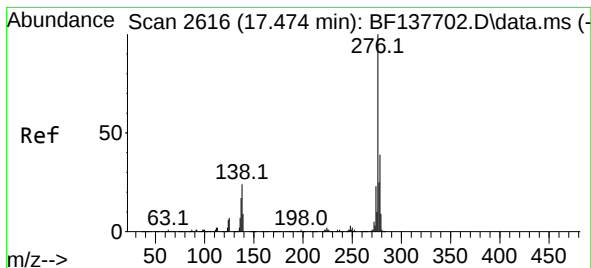
Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Tgt Ion:	264	Resp:	436662
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.4	29.2
265	21.1	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.693 ng

RT: 17.456 min Scan# 2613

Delta R.T. -0.018 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

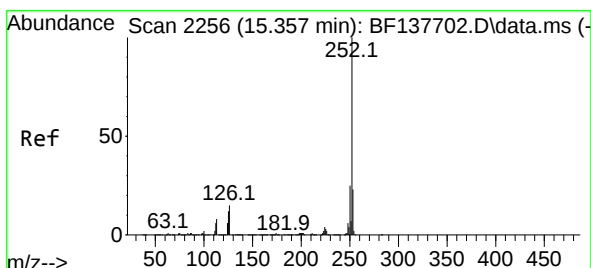
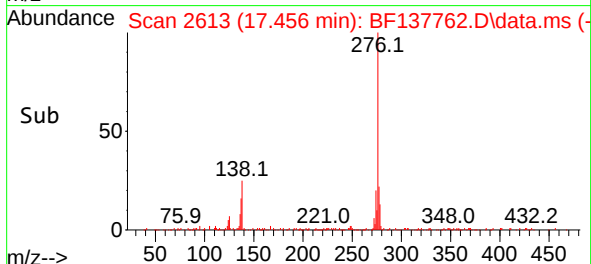
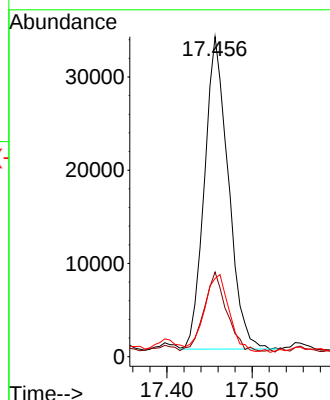
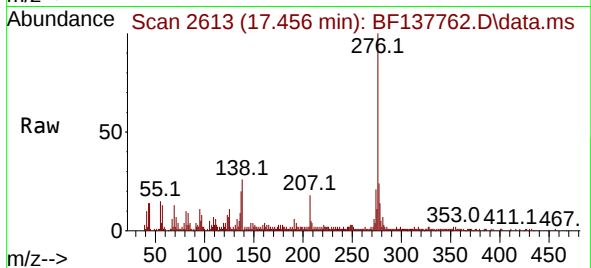
FOOT-PRINT-B-3

Tgt Ion:	276	Resp:	6519
Ion Ratio	Lower	Upper	
276	100		
138	24.0	22.3	33.5
277	25.1	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: 7.099 ng m

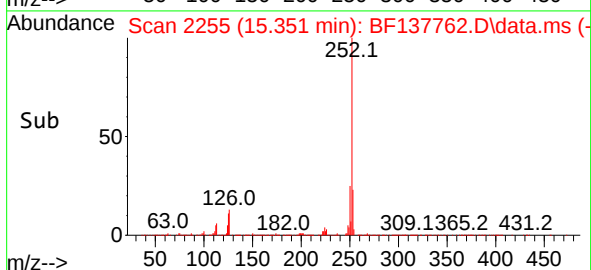
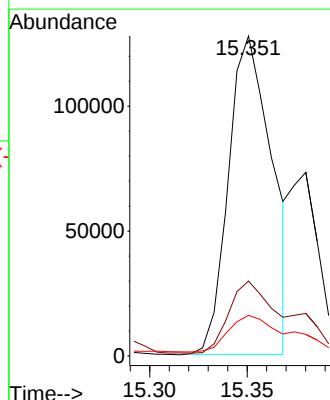
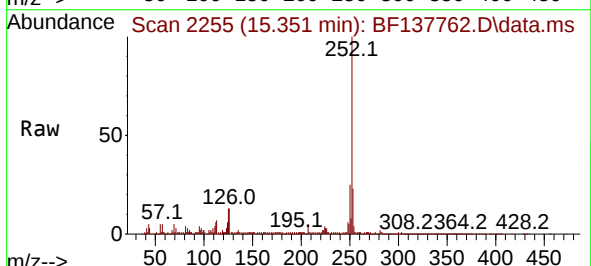
RT: 15.351 min Scan# 2255

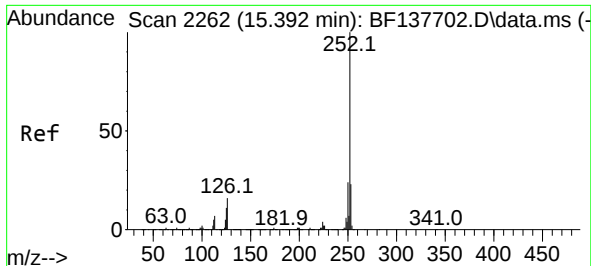
Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Tgt Ion:	252	Resp:	198355
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	12.7	9.2	13.8





#89

Benzo(k)fluoranthene

Concen: 2.715 ng m

RT: 15.380 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

Instrument :

BNA_F

ClientSampleId :

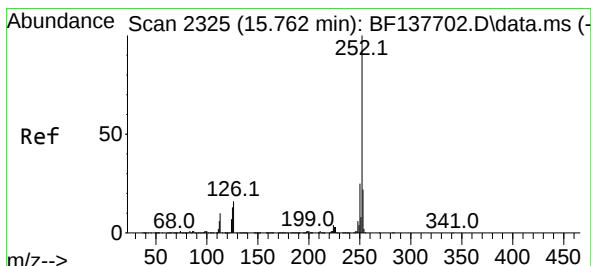
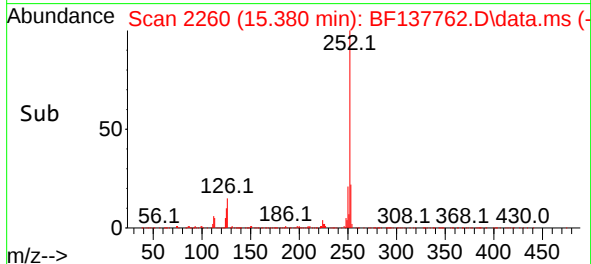
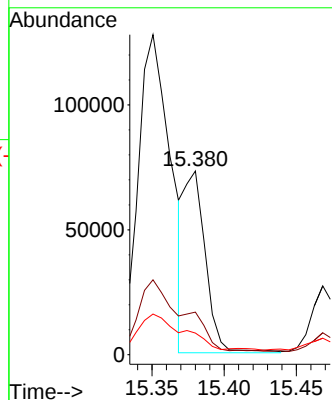
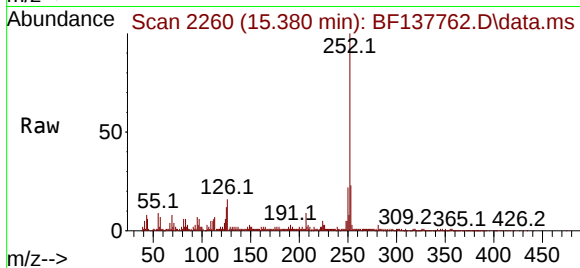
FOOT-PRINT-B-3

Tgt Ion:	252	Resp:	7457
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	11.8	9.0	13.6

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 5.565 ng

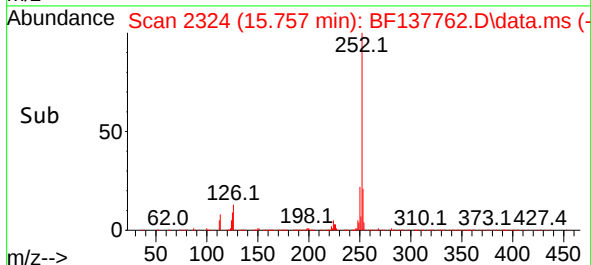
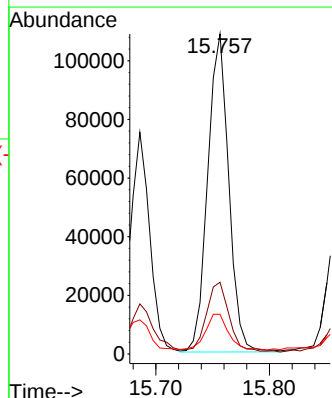
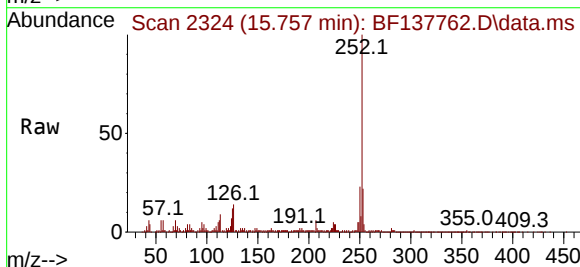
RT: 15.757 min Scan# 2324

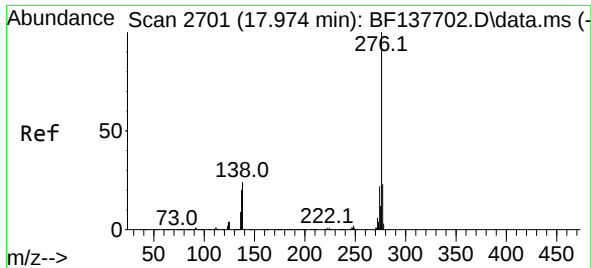
Delta R.T. -0.006 min

Lab File: BF137762.D

Acq: 29 Apr 2024 22:14

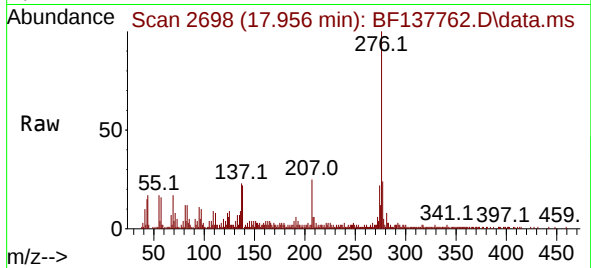
Tgt Ion:	252	Resp:	139502
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	12.4	10.2	15.2





#92
Benzo(g,h,i)perylene
Concen: 3.169 ng
RT: 17.956 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF137762.D
Acq: 29 Apr 2024 22:14

Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



Tgt Ion:276 Resp: 6192
Ion Ratio Lower Upper
276 100
277 23.7 18.5 27.7
138 22.0 19.5 29.3

Manual Integrations
APPROVED

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

