

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
 Data File : BF137761.D
 Acq On : 29 Apr 2024 21:41
 Operator : CG\JU
 Sample : P2294-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 03:09:51 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	253093	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	963880	20.000	ng	0.00
39) Acenaphthene-d10	10.110	164	479649	20.000	ng	0.00
64) Phenanthrene-d10	11.604	188	664882	20.000	ng	0.00
76) Chrysene-d12	14.251	240	475984	20.000	ng	0.00
86) Perylene-d12	15.827	264	390378	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1376636	82.624	ng	0.00
7) Phenol-d6	6.675	99	1711349	80.884	ng	0.00
23) Nitrobenzene-d5	7.622	82	1046637	57.641	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	389351	80.444	ng	0.00
45) 2-Fluorobiphenyl	9.422	172	2056546	64.066	ng	0.00
79) Terphenyl-d14	13.192	244	1668151	56.409	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.627	178	194827	5.536	ng	97
75) Fluoranthene	12.827	202	365698	9.885	ng	97
78) Pyrene	13.051	202	327575	8.385	ng	98
81) Benzo(a)anthracene	14.239	228	173429	5.224	ng	99
83) Chrysene	14.280	228	161820	5.217	ng	96
87) Indeno(1,2,3-cd)pyrene	17.462	276	59693	2.758	ng	96
88) Benzo(b)fluoranthene	15.351	252	168020m	6.726	ng	
89) Benzo(k)fluoranthene	15.380	252	67623m	2.754	ng	
90) Benzo(a)pyrene	15.756	252	115413	5.150	ng	98
92) Benzo(g,h,i)perylene	17.962	276	54772	3.136	ng	97

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

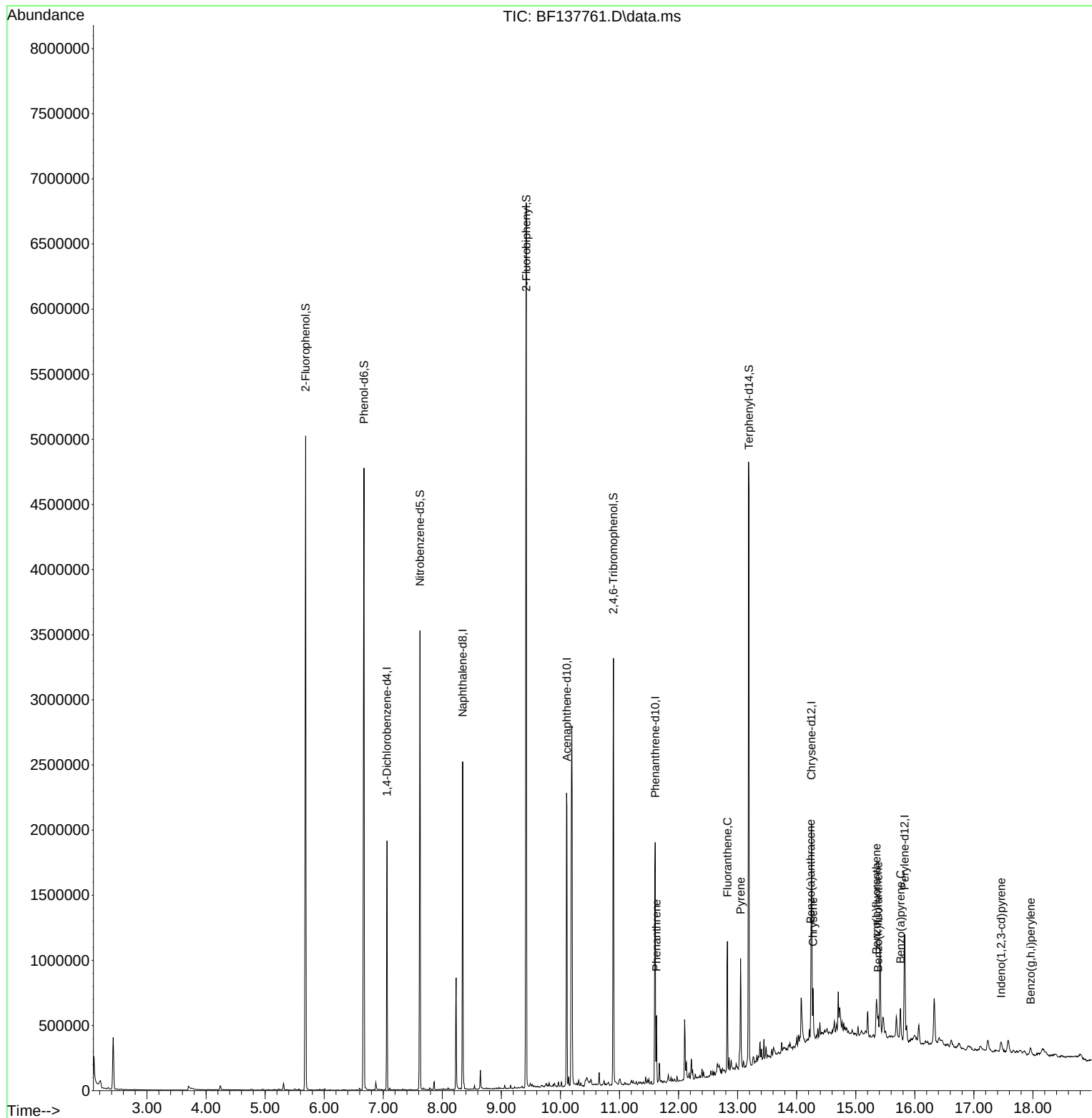
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042924\
Data File : BF137761.D
Acq On : 29 Apr 2024 21:41
Operator : CG\JU
Sample : P2294-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

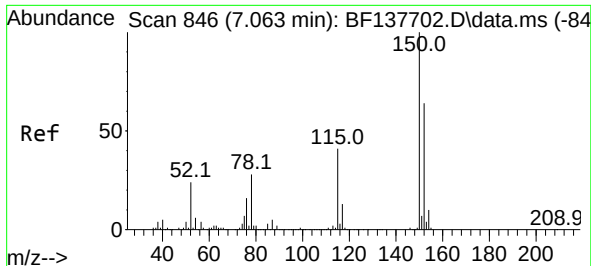
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2

Quant Time: Apr 30 03:09:51 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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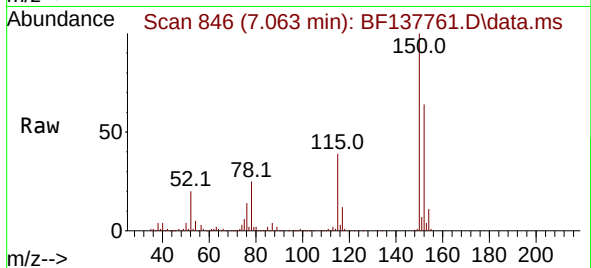
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

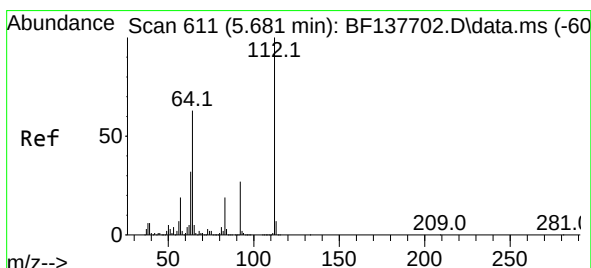
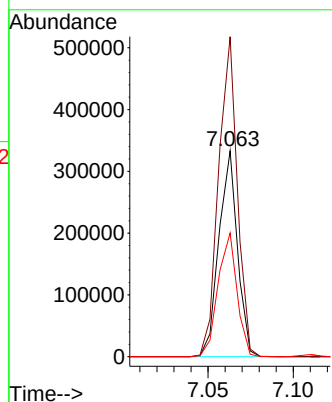
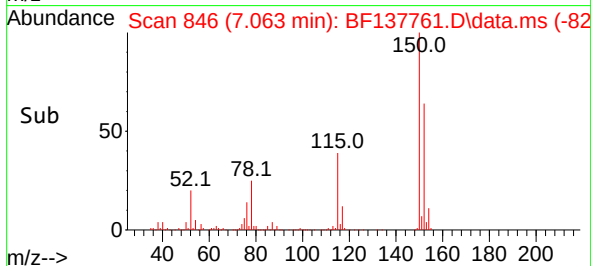
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



Tgt Ion:152 Resp: 253091
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.4
115 60.1 50.8 76.2

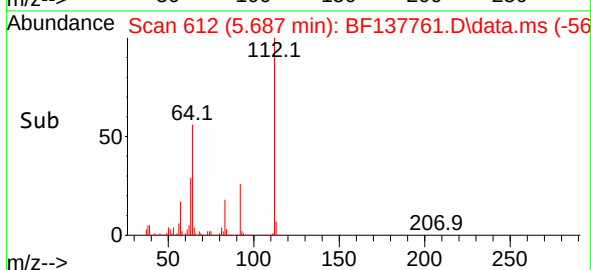
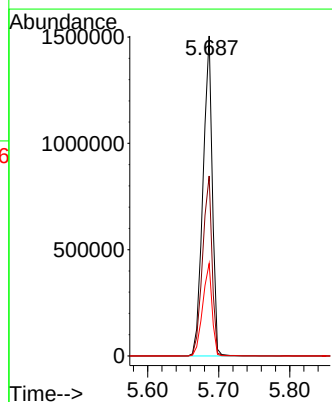
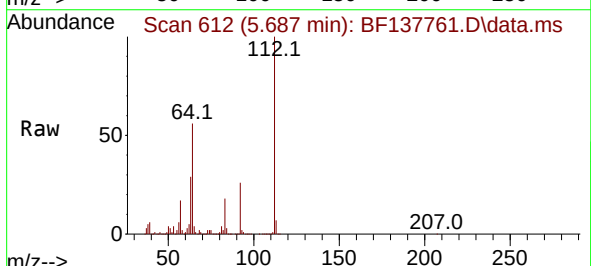
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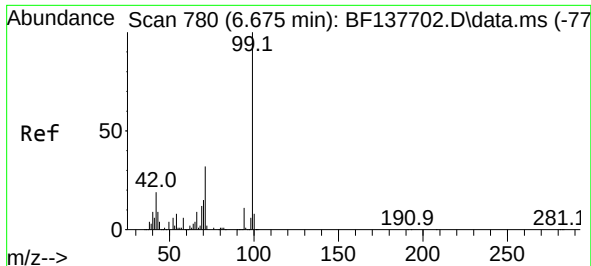
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#5
2-Fluorophenol
Concen: 82.624 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

Tgt Ion:112 Resp: 1376636
Ion Ratio Lower Upper
112 100
64 56.3 50.1 75.1
63 28.9 25.2 37.8





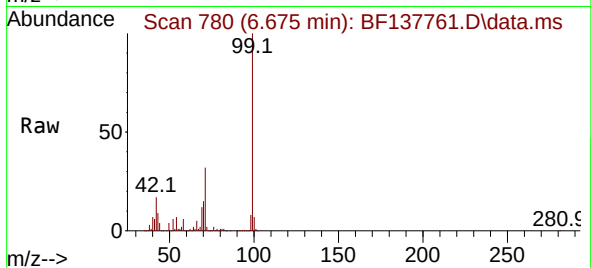
#7
Phenol-d6
Concen: 80.884 ng
RT: 6.675 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-2

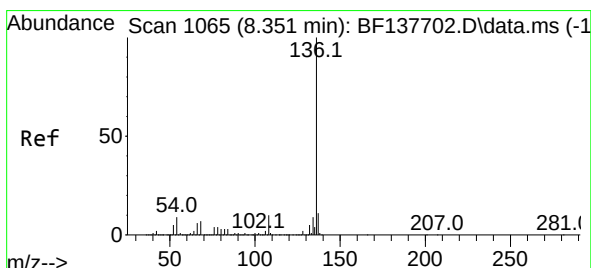
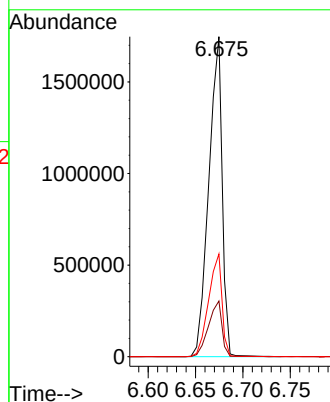
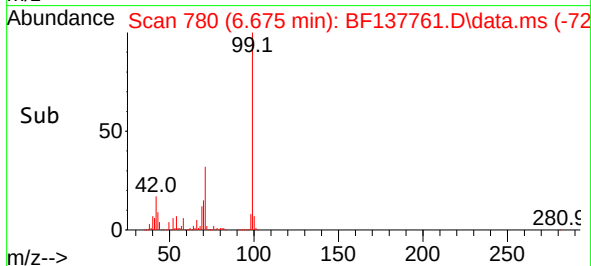


Tgt Ion: 99 Resp: 1711349
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.4
71 32.1 25.7 38.5

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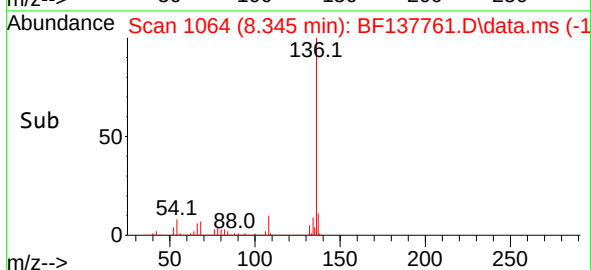
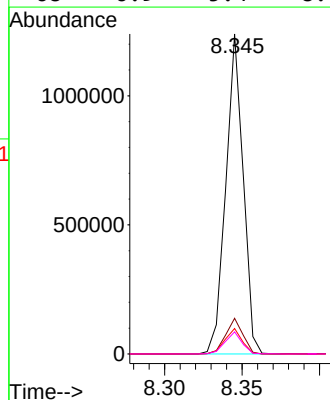
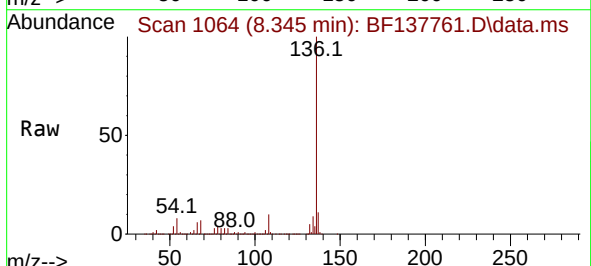
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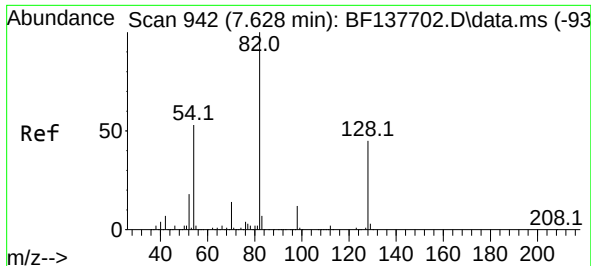
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

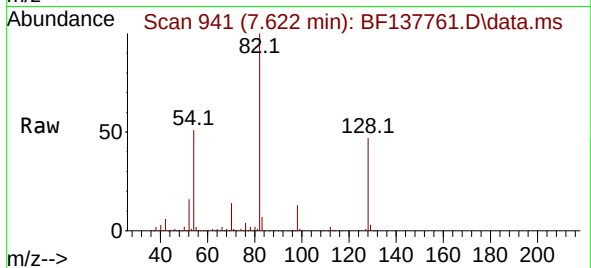
Tgt Ion:136 Resp: 963880
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 6.9 10.3
68 6.9 5.4 8.0





#23
Nitrobenzene-d5
Concen: 57.641 ng
RT: 7.622 min Scan# 942
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

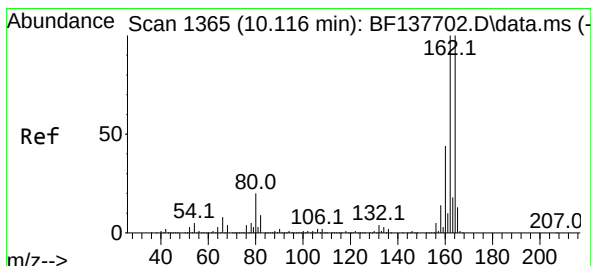
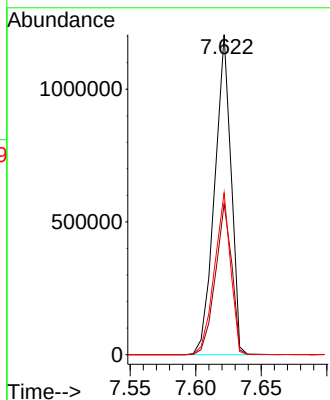
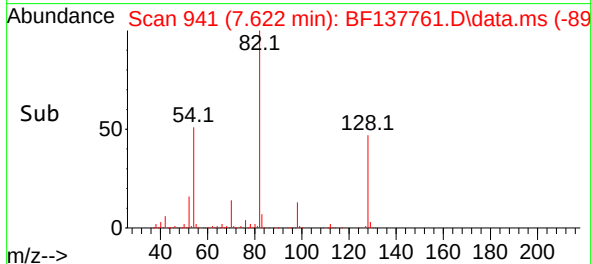
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



Tgt Ion: 82 Resp: 104663
Ion Ratio Lower Upper
82 100
128 47.1 35.8 53.6
54 50.6 42.5 63.7

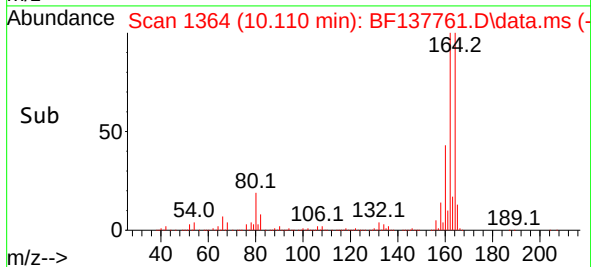
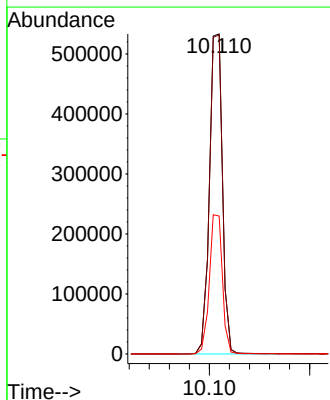
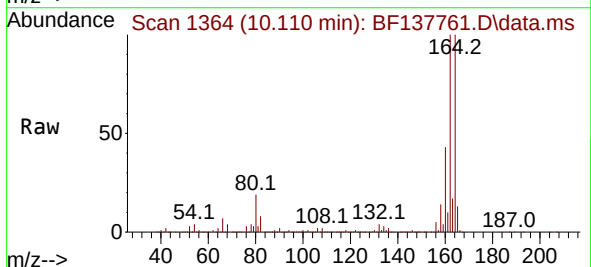
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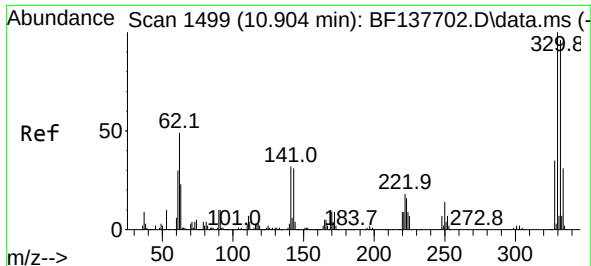
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

Tgt Ion:164 Resp: 479649
Ion Ratio Lower Upper
164 100
162 99.7 80.3 120.5
160 43.1 35.0 52.4





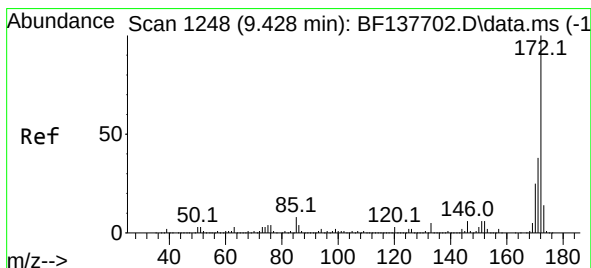
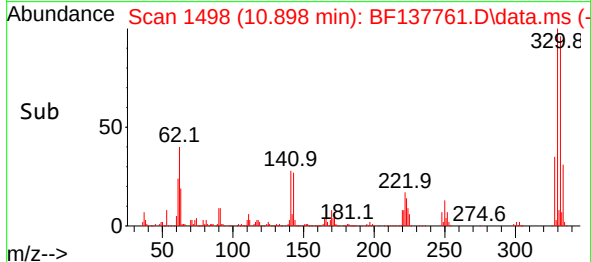
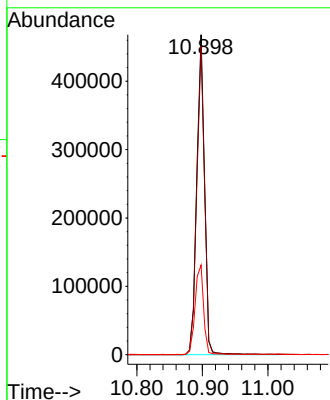
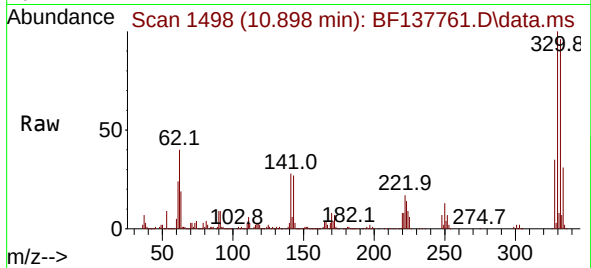
#42
2,4,6-Tribromophenol
Concen: 80.444 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

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

Tgt Ion: 330 Resp: 38935
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 30.4 27.0 40.4

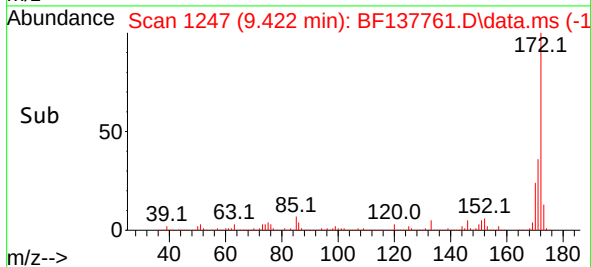
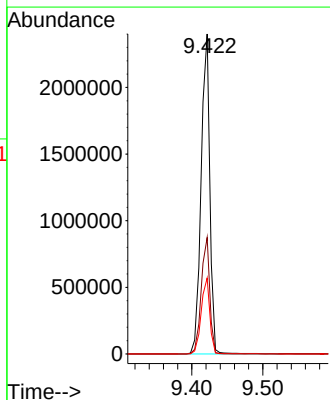
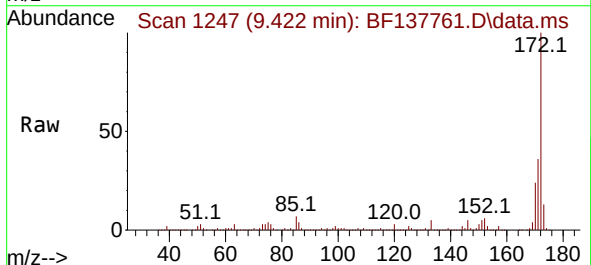
Manual Integrations
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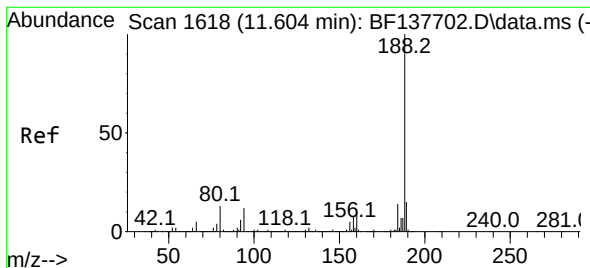
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#45
2-Fluorobiphenyl
Concen: 64.066 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

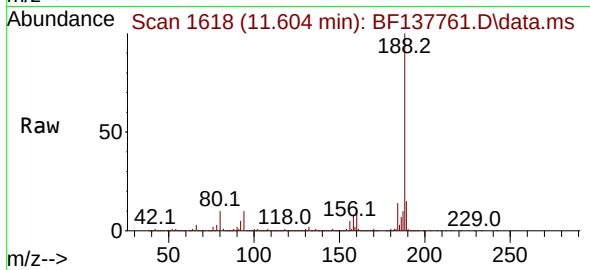
Tgt Ion: 172 Resp: 2056546
Ion Ratio Lower Upper
172 100
171 36.4 30.2 45.4
170 23.8 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.604 min Scan# 1618
Delta R.T. -0.000 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

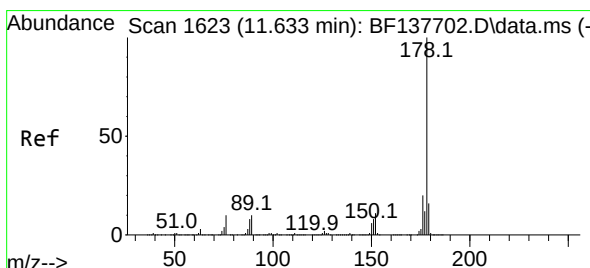
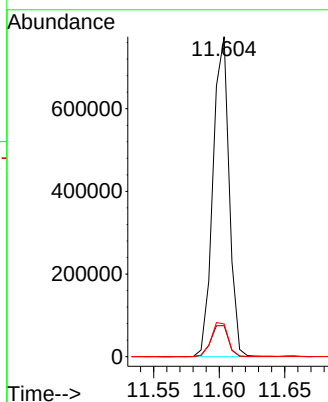
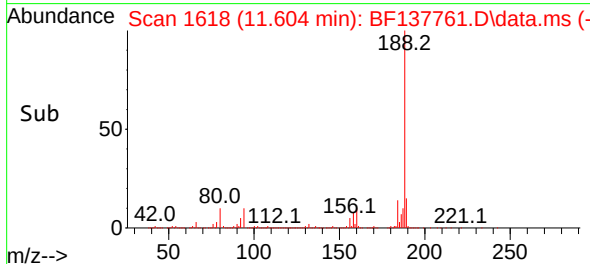
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



Tgt Ion:188 Resp: 66488
Ion Ratio Lower Upper
188 100
94 9.7 9.4 14.2
80 10.3 10.2 15.4

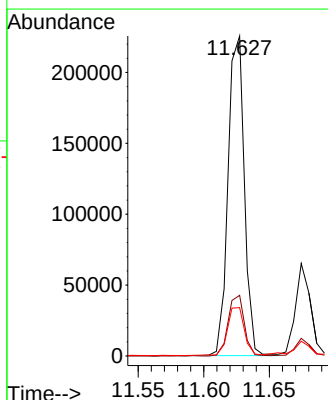
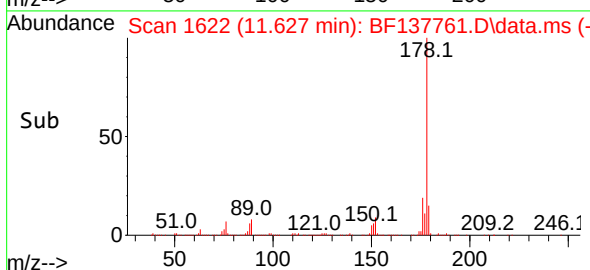
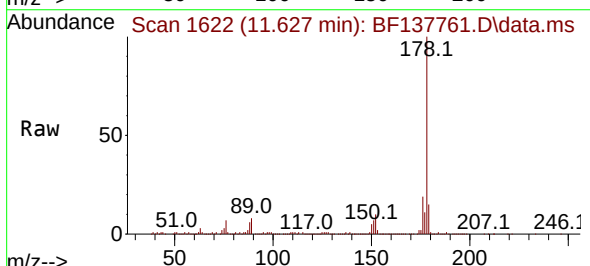
Manual Integrations
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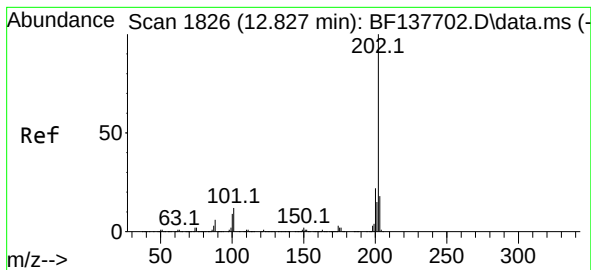
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#71
Phenanthrene
Concen: 5.536 ng
RT: 11.627 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

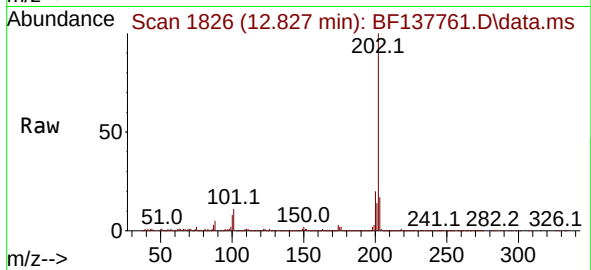
Tgt Ion:178 Resp: 194827
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 15.1 12.8 19.2





#75
Fluoranthene
Concen: 9.885 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

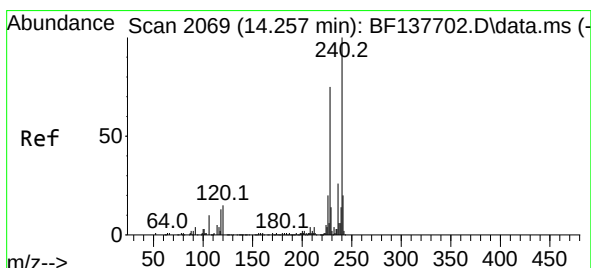
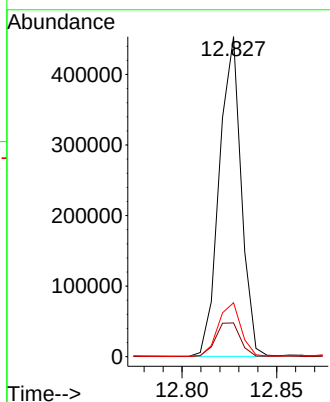
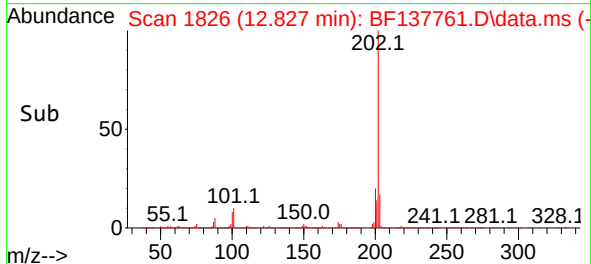
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



Tgt Ion:202 Resp: 365698
Ion Ratio Lower Upper
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101 10.5 0.0 32.2
203 16.8 0.0 38.1

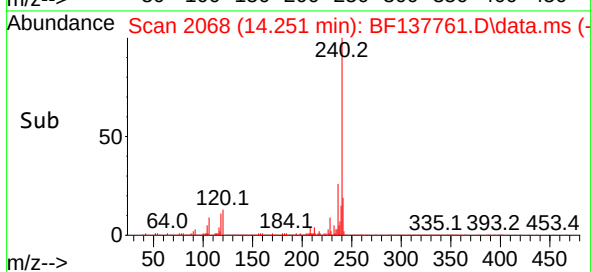
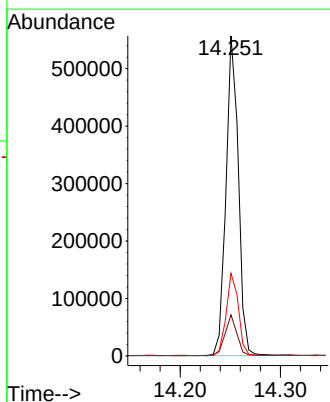
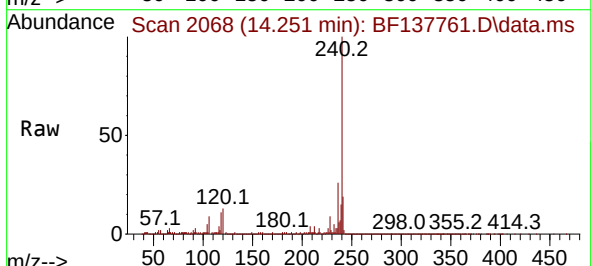
Manual Integrations
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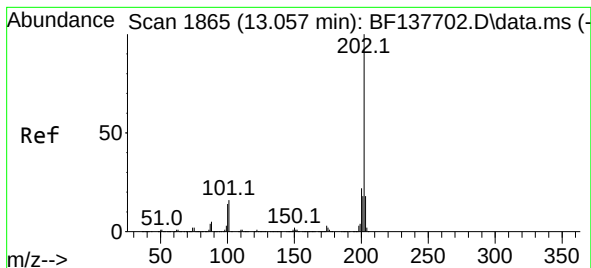
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

Tgt Ion:240 Resp: 475984
Ion Ratio Lower Upper
240 100
120 12.9 11.9 17.9
236 25.8 20.8 31.2





#78

Pyrene

Concen: 8.385 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.006 min

Lab File: BF137761.D

Acq: 29 Apr 2024 21:41

Instrument :

BNA_F

ClientSampleId :

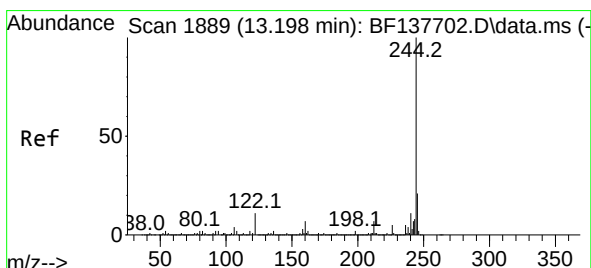
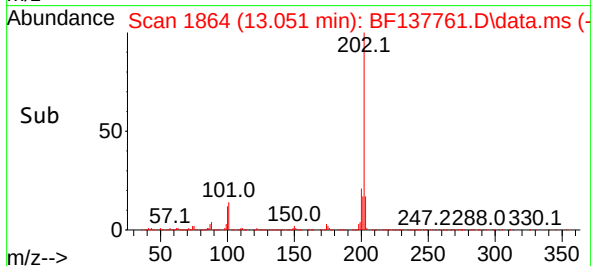
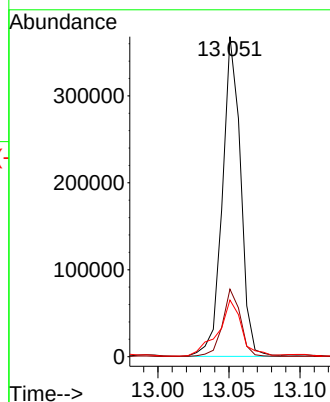
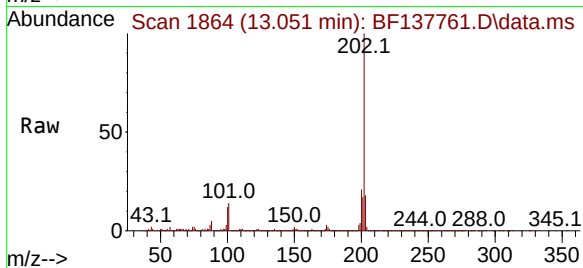
FOOT-PRINT-B-2

Tgt Ion:202 Resp: 32757
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.8 26.6
 203 17.7 14.6 21.8

Manual Integrations

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



#79

Terphenyl-d14

Concen: 56.409 ng

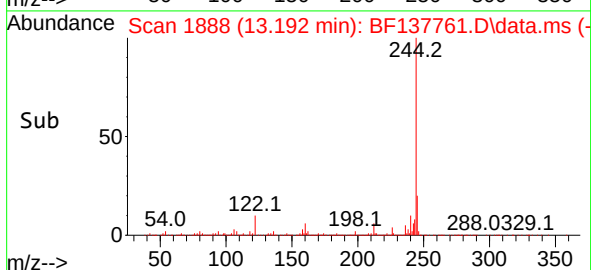
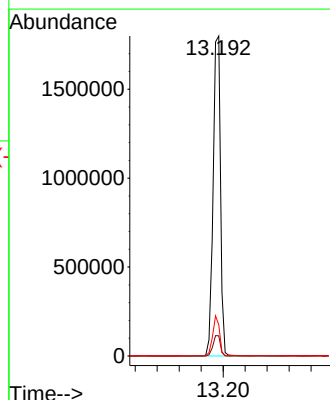
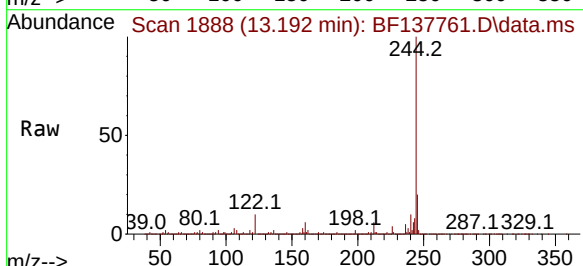
RT: 13.192 min Scan# 1888

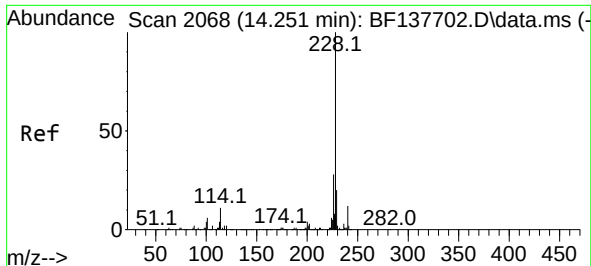
Delta R.T. -0.006 min

Lab File: BF137761.D

Acq: 29 Apr 2024 21:41

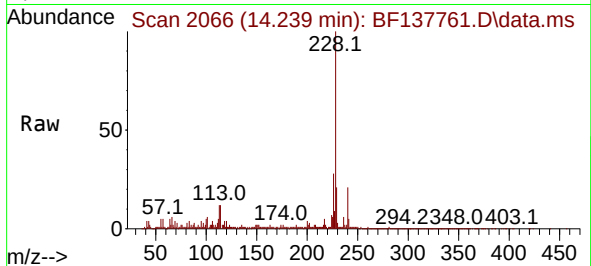
Tgt Ion:244 Resp: 1668151
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 9.7 8.8 13.2





#81
Benzo(a)anthracene
Concen: 5.224 ng
RT: 14.239 min Scan# 2068
Delta R.T. -0.012 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

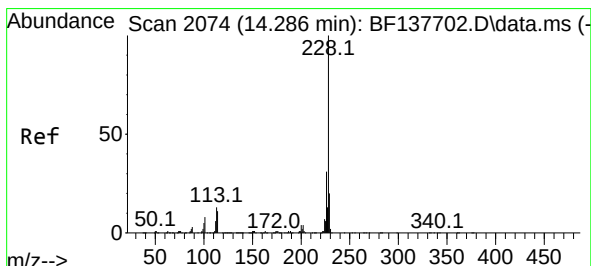
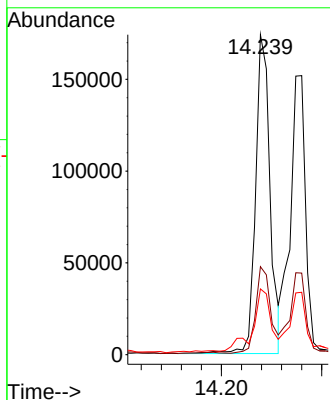
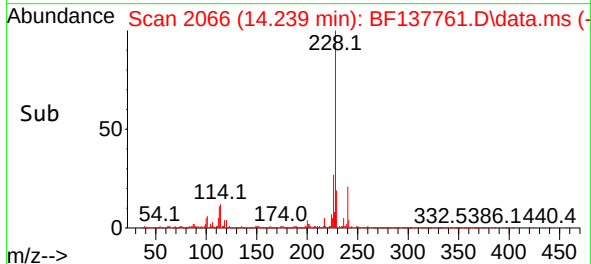
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



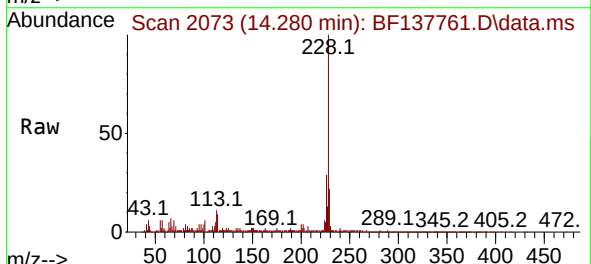
Tgt Ion:228 Resp: 173429
Ion Ratio Lower Upper
228 100
226 27.5 22.7 34.1
229 20.5 16.0 24.0

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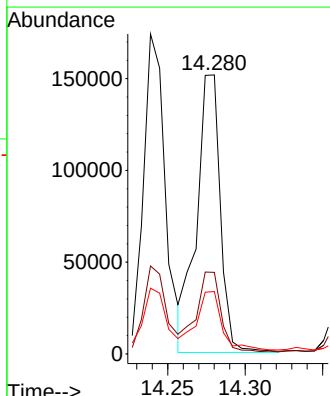
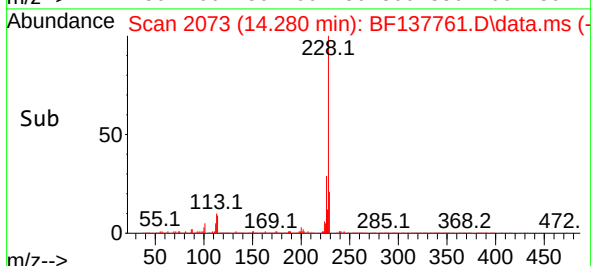
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024

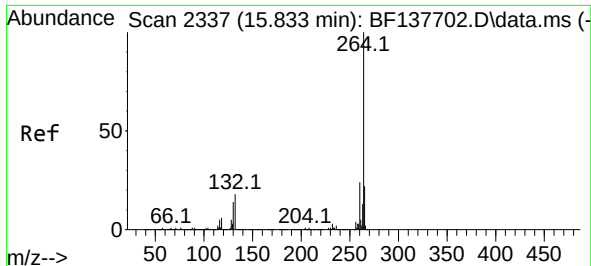


#83
Chrysene
Concen: 5.217 ng
RT: 14.280 min Scan# 2073
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41



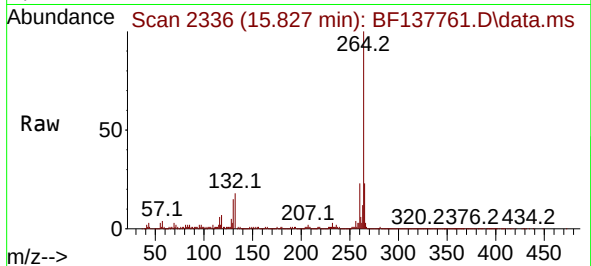
Tgt Ion:228 Resp: 161820
Ion Ratio Lower Upper
228 100
226 29.3 24.7 37.1
229 22.4 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.827 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

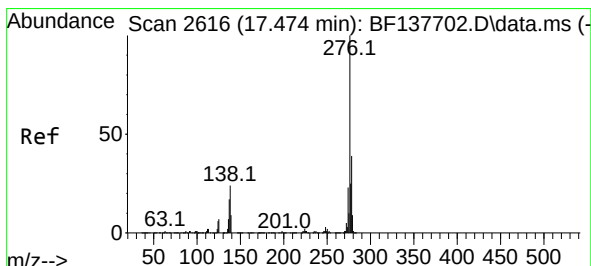
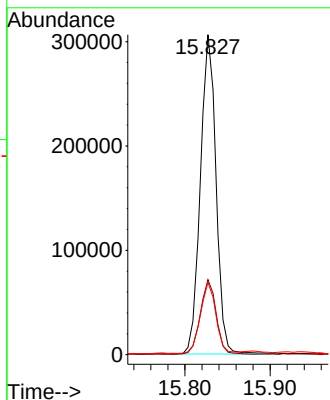
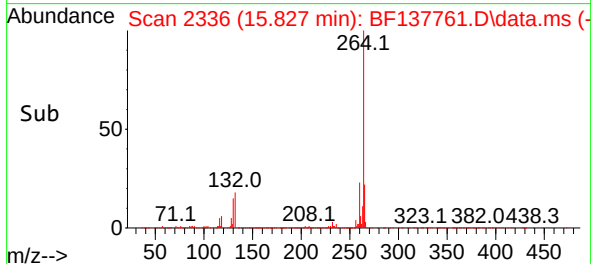
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



Tgt Ion:264 Resp: 390378
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 22.6 17.5 26.3

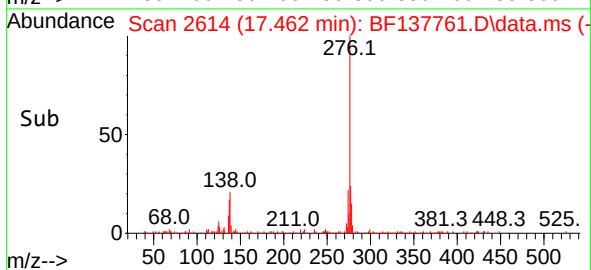
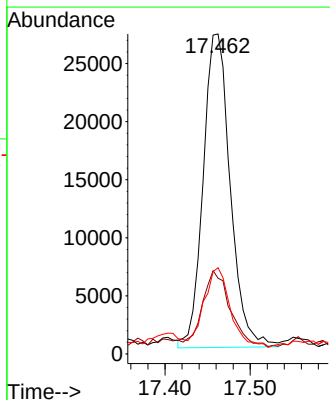
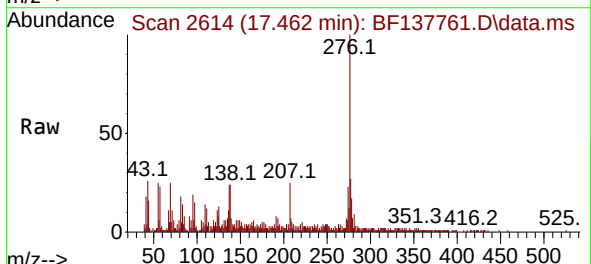
Manual Integrations
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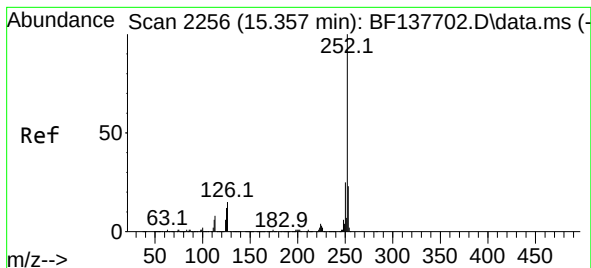
Reviewed By :Jagrut Upadhyay 04/30/2024
Supervised By :mohammad ahmed 05/03/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.758 ng
RT: 17.462 min Scan# 2614
Delta R.T. -0.012 min
Lab File: BF137761.D
Acq: 29 Apr 2024 21:41

Tgt Ion:276 Resp: 59693
Ion Ratio Lower Upper
276 100
138 24.4 22.3 33.5
277 24.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 6.726 ng m

RT: 15.351 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137761.D

Acq: 29 Apr 2024 21:41

Instrument :

BNF

ClientSampleId :

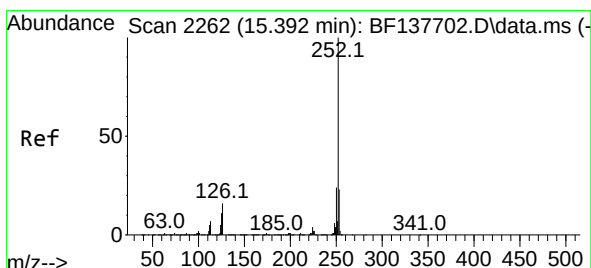
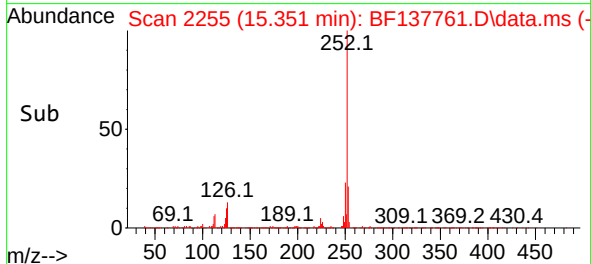
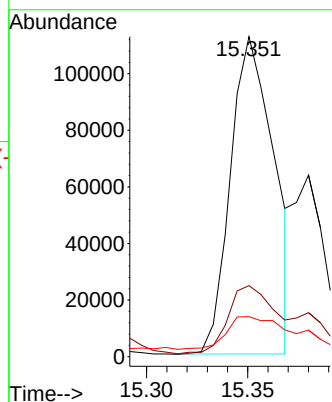
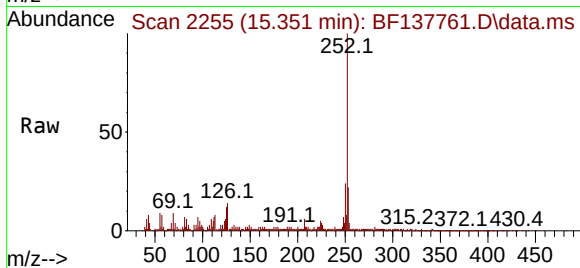
FOOT-PRINT-B-2

Tgt Ion:252 Resp: 168020
 Ion Ratio Lower Upper
 252 100
 253 22.2 18.1 27.1
 125 12.5 9.2 13.8

Manual Integrations

APPROVED

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



#89

Benzo(k)fluoranthene

Concen: 2.754 ng m

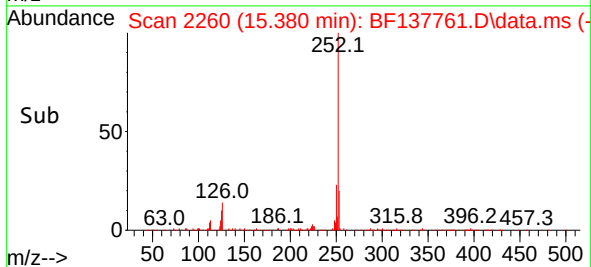
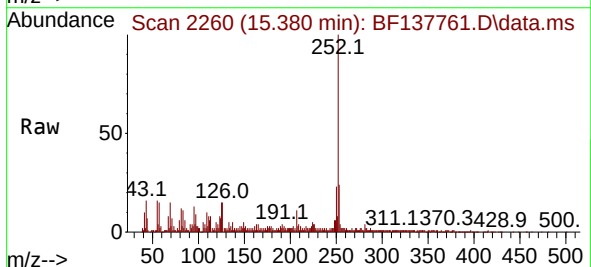
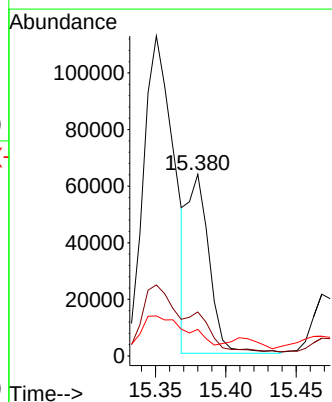
RT: 15.380 min Scan# 2260

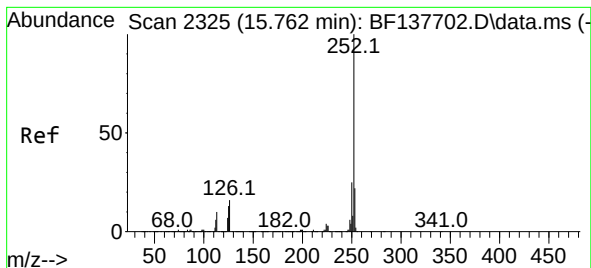
Delta R.T. -0.012 min

Lab File: BF137761.D

Acq: 29 Apr 2024 21:41

Tgt Ion:252 Resp: 67623
 Ion Ratio Lower Upper
 252 100
 253 24.2 18.0 27.0
 125 14.7 9.0 13.6#





#90

Benzo(a)pyrene

Concen: 5.150 ng

RT: 15.756 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137761.D

Acq: 29 Apr 2024 21:41

Instrument :

BNF

ClientSampleId :

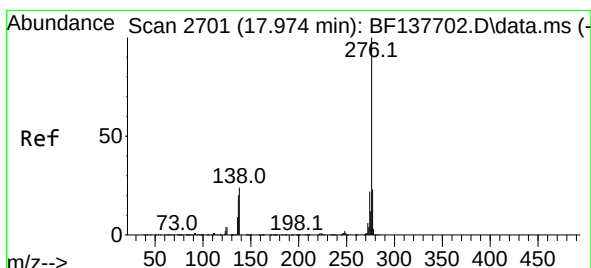
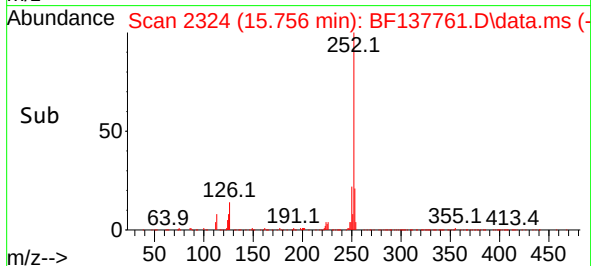
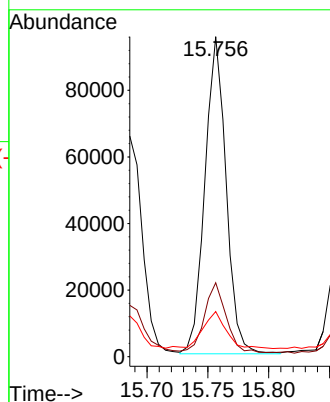
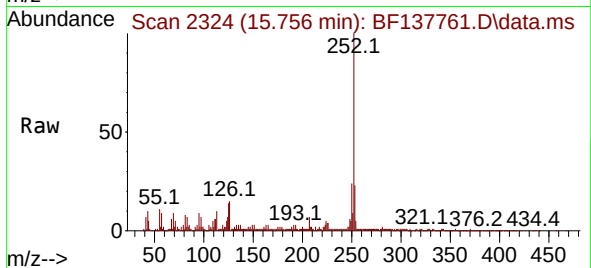
FOOT-PRINT-B-2

Tgt Ion:252 Resp: 11541
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.9 26.9
 125 14.1 10.2 15.2

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 3.136 ng

RT: 17.962 min Scan# 2699

Delta R.T. -0.012 min

Lab File: BF137761.D

Acq: 29 Apr 2024 21:41

Tgt Ion:276 Resp: 54772
 Ion Ratio Lower Upper
 276 100
 277 22.0 18.5 27.7
 138 26.6 19.5 29.3

