

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137777.D
 Acq On : 30 Apr 2024 18:31
 Operator : CG\JU
 Sample : P2294-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024

Quant Time: May 01 04:24:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	228669	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	876796	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	470063	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	714726	20.000	ng	0.00
76) Chrysene-d12	14.245	240	410181	20.000	ng	0.00
86) Perylene-d12	15.821	264	526694	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	1252568	91.712	ng	0.00
7) Phenol-d6	6.669	99	1568410	90.537	ng	0.00
23) Nitrobenzene-d5	7.616	82	959118	63.553	ng	0.00
42) 2,4,6-Tribromophenol	10.892	330	421002	87.719	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	1910168	65.927	ng	0.00
79) Terphenyl-d14	13.186	244	1538066	62.840	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.622	178	325893	9.355	ng	99
72) Anthracene	11.674	178	96447	2.782	ng	99
75) Fluoranthene	12.816	202	422787	11.102	ng	99
78) Pyrene	13.045	202	338844	10.419	ng	99
81) Benzo(a)anthracene	14.239	228	167057	6.368	ng	99
83) Chrysene	14.274	228	150298	6.119	ng	97
87) Indeno(1,2,3-cd)pyrene	17.451	276	99800	3.333	ng	96
88) Benzo(b)fluoranthene	15.345	252	209341m	6.388	ng	
89) Benzo(k)fluoranthene	15.374	252	83825m	2.647	ng	
90) Benzo(a)pyrene	15.751	252	168254	6.294	ng	98
92) Benzo(g,h,i)perylene	17.951	276	89926	3.519	ng	95

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

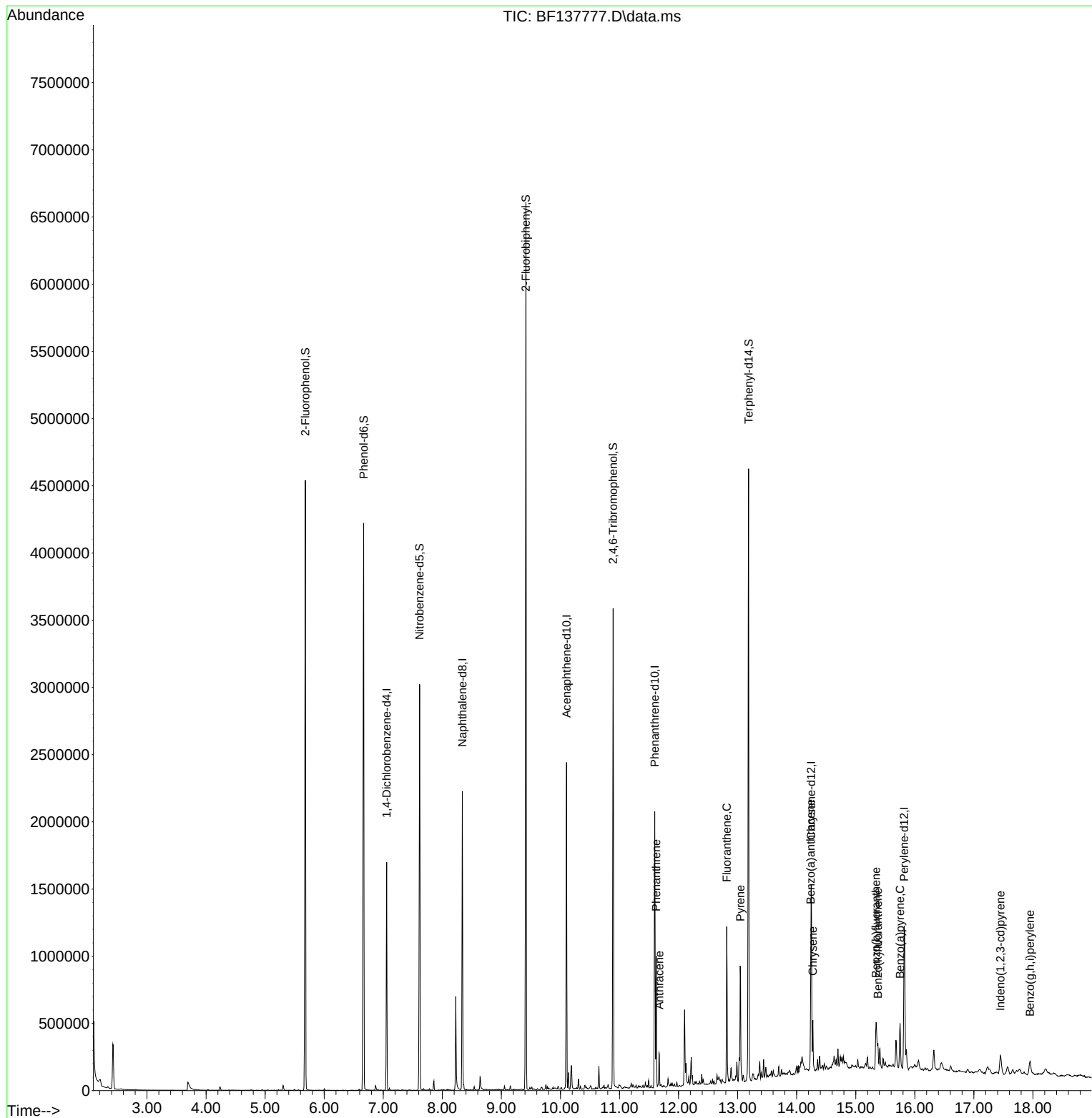
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
Data File : BF137777.D
Acq On : 30 Apr 2024 18:31
Operator : CG\JU
Sample : P2294-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

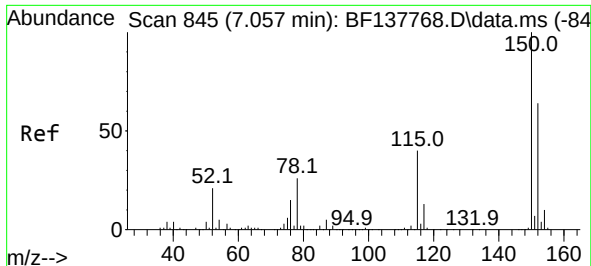
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FOOT-PRINT-B-3

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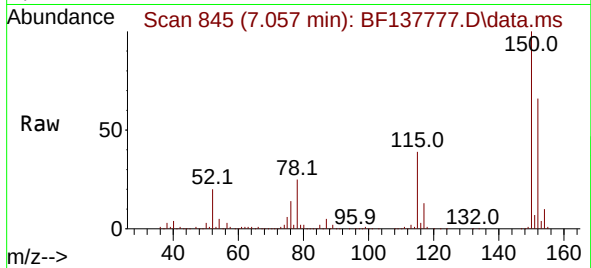
Quant Time: May 01 04:24:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:25:08 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

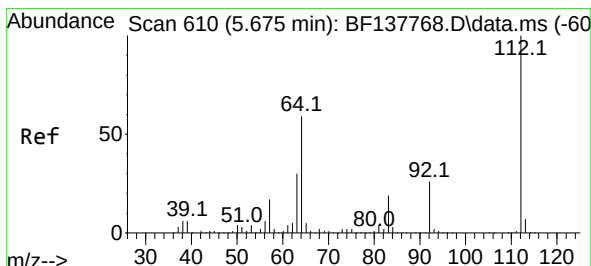
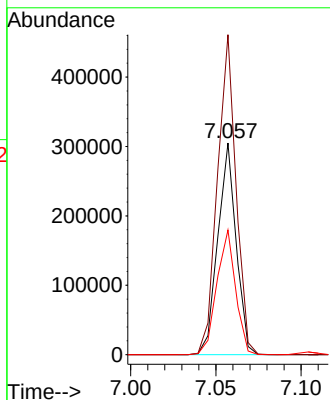
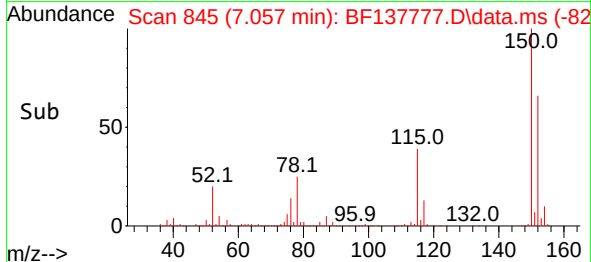
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



Tgt Ion:152 Resp: 228669
Ion Ratio Lower Upper
152 100
150 151.2 124.1 186.1
115 58.9 49.1 73.7

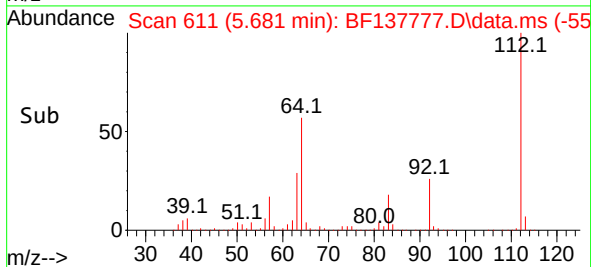
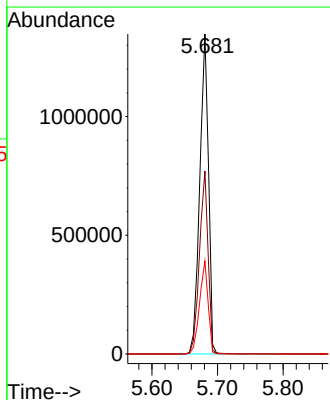
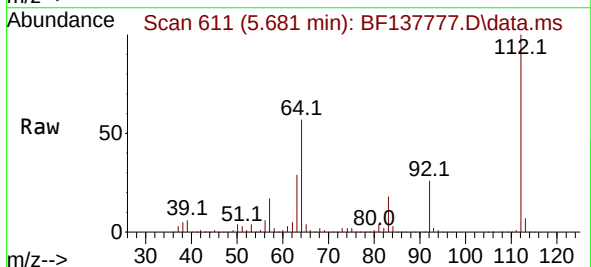
Manual Integrations
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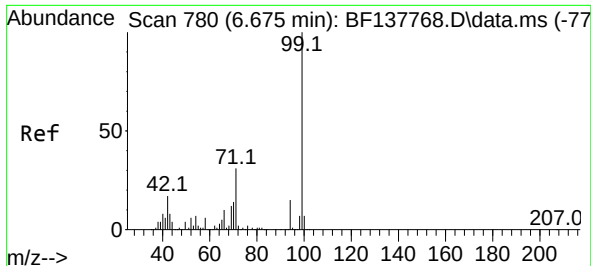
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#5
2-Fluorophenol
Concen: 91.712 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

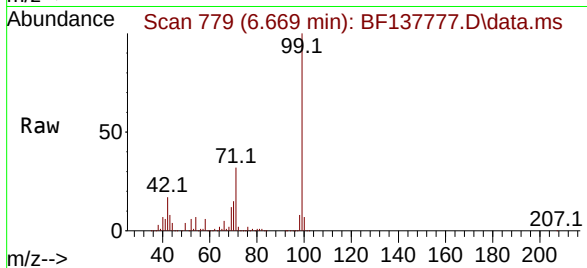
Tgt Ion:112 Resp: 1252568
Ion Ratio Lower Upper
112 100
64 57.2 47.3 70.9
63 29.0 23.7 35.5





#7
Phenol-d6
Concen: 90.537 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

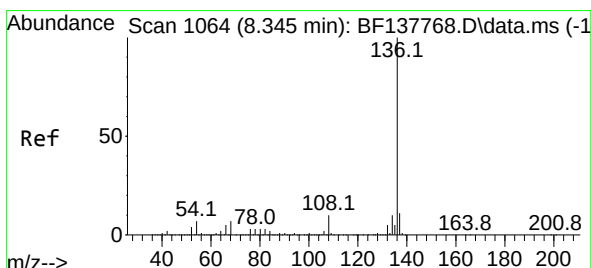
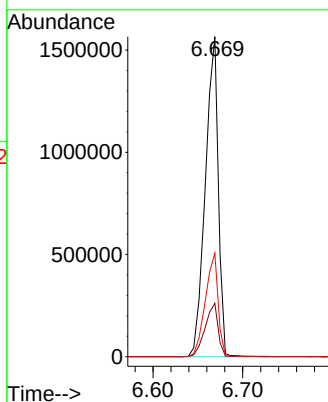
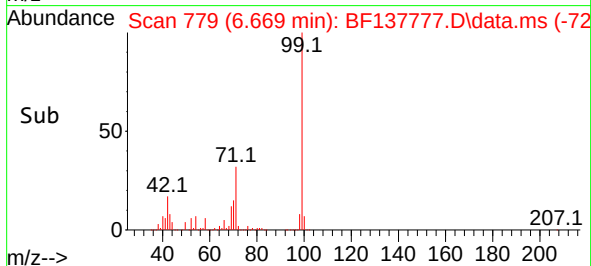
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1568410
Ion Ratio Lower Upper
99 100
42 16.6 13.2 19.8
71 32.4 25.0 37.4

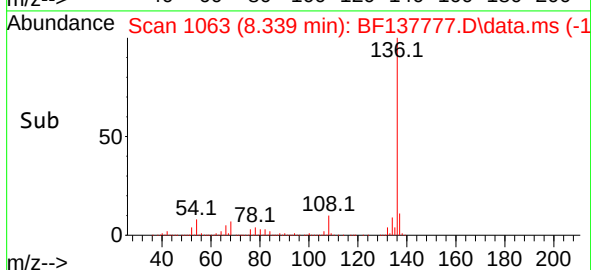
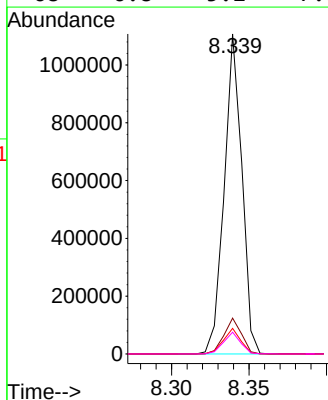
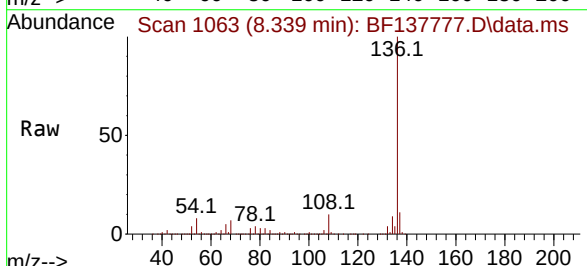
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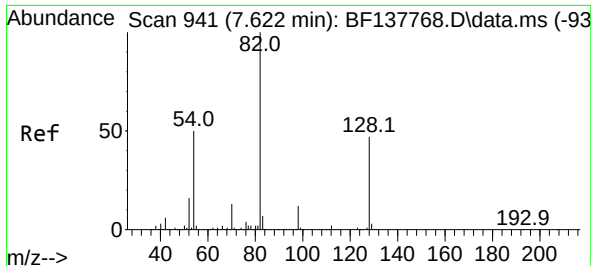
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

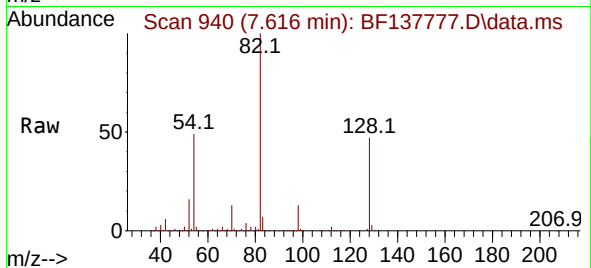
Tgt Ion:136 Resp: 876796
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 5.8 8.8
68 6.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 63.553 ng
RT: 7.616 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

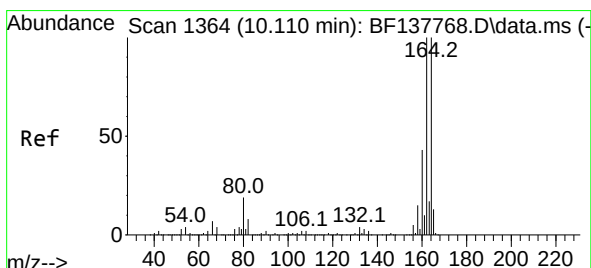
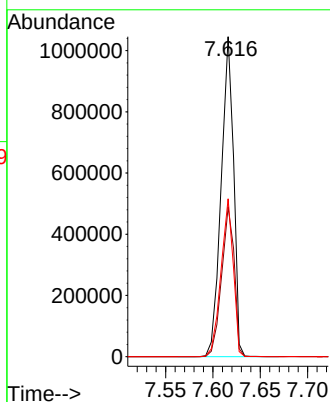
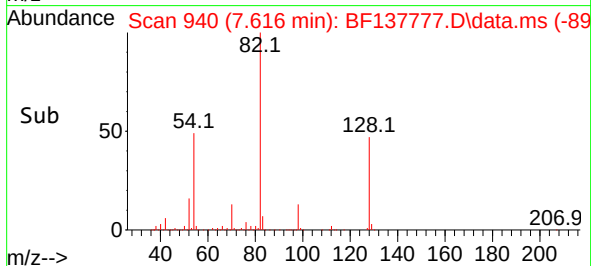
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



Tgt Ion: 82 Resp: 959118
Ion Ratio Lower Upper
82 100
128 46.8 37.5 56.3
54 49.4 39.8 59.6

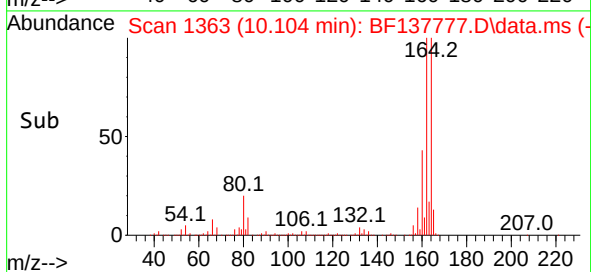
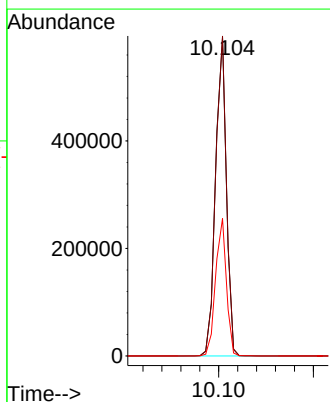
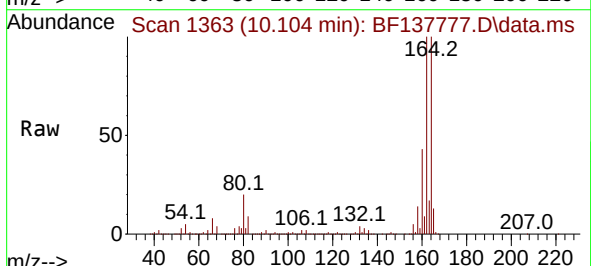
Manual Integrations
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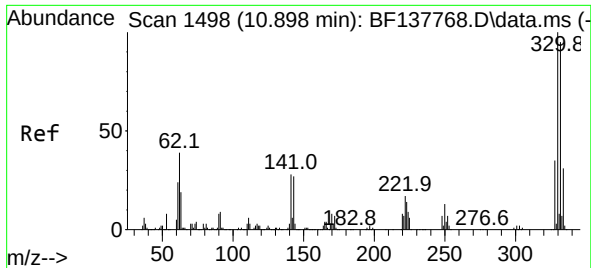
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

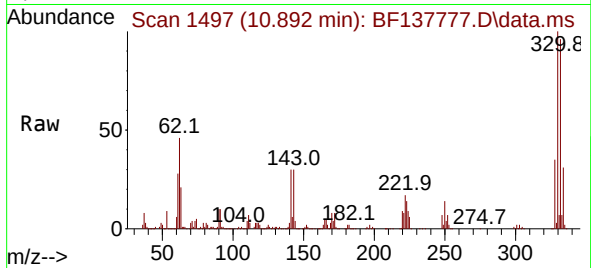
Tgt Ion:164 Resp: 470063
Ion Ratio Lower Upper
164 100
162 100.5 79.8 119.6
160 43.2 34.4 51.6





#42
 2,4,6-Tribromophenol
 Concen: 87.719 ng
 RT: 10.892 min Scan# 1498
 Delta R.T. -0.006 min
 Lab File: BF137777.D
 Acq: 30 Apr 2024 18:31

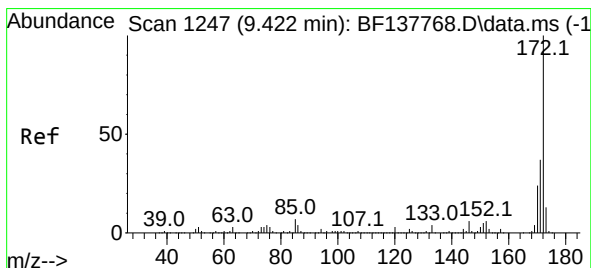
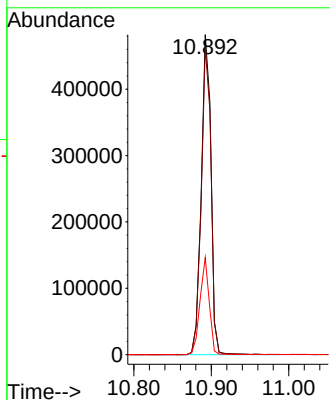
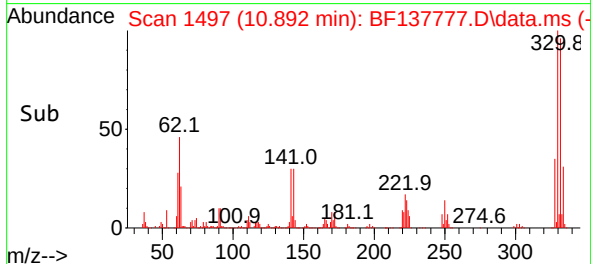
Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-3



Tgt Ion: 330 Resp: 421000
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.3 115.9
 141 28.9 23.8 35.6

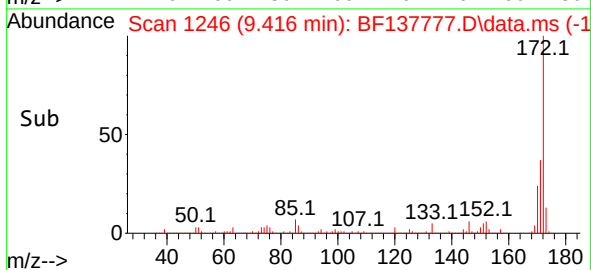
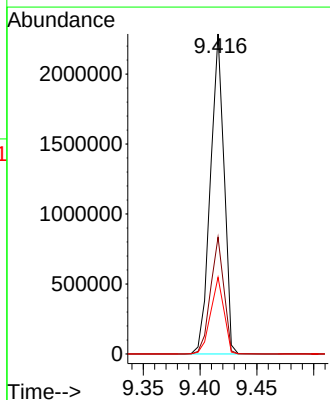
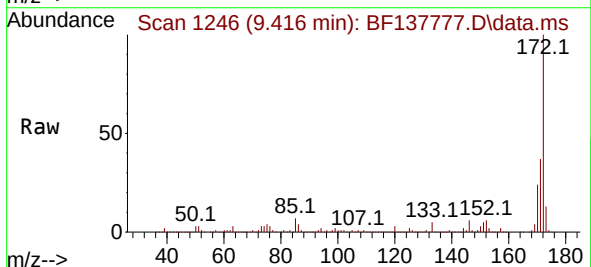
Manual Integrations
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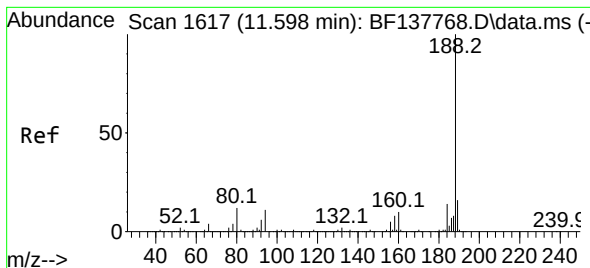
Reviewed By : Jagrut Upadhyay 05/01/2024
 Supervised By : mohammad ahmed 05/03/2024



#45
 2-Fluorobiphenyl
 Concen: 65.927 ng
 RT: 9.416 min Scan# 1246
 Delta R.T. -0.006 min
 Lab File: BF137777.D
 Acq: 30 Apr 2024 18:31

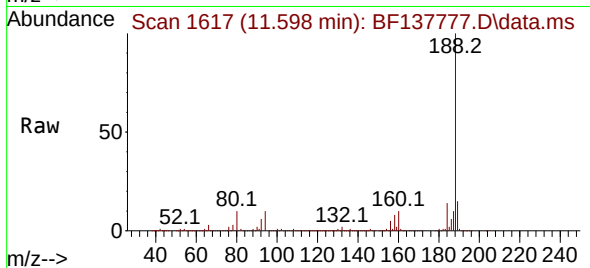
Tgt Ion: 172 Resp: 1910168
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.000 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

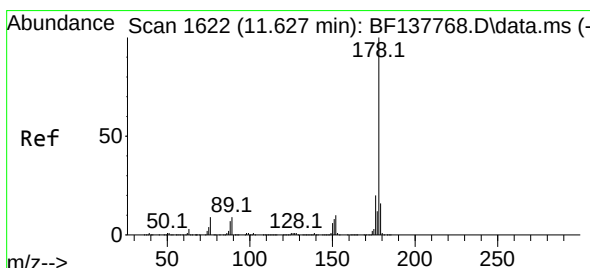
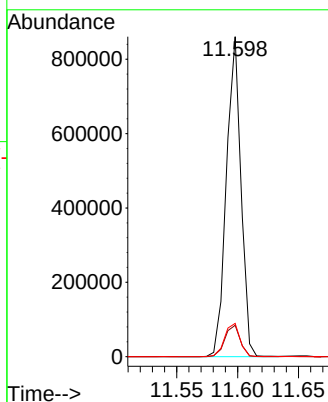
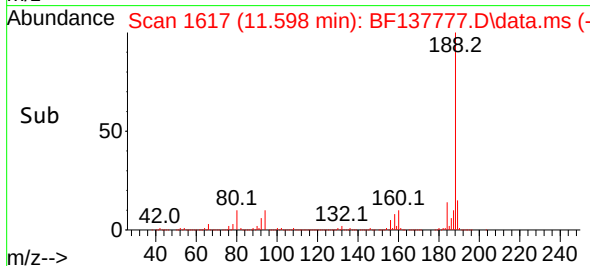
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



Tgt Ion:188 Resp: 714720
Ion Ratio Lower Upper
188 100
94 9.8 8.8 13.2
80 10.4 9.6 14.4

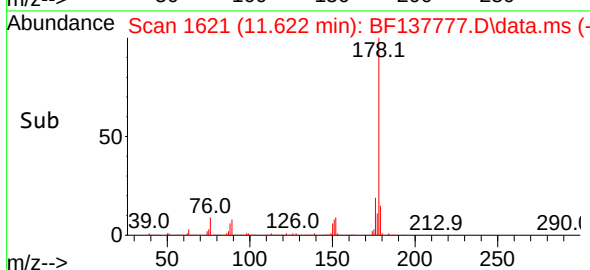
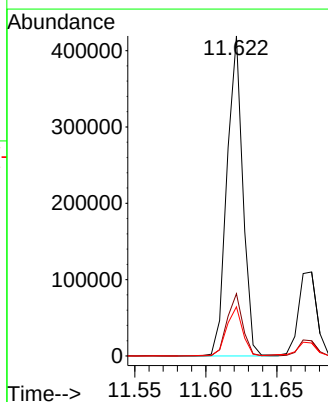
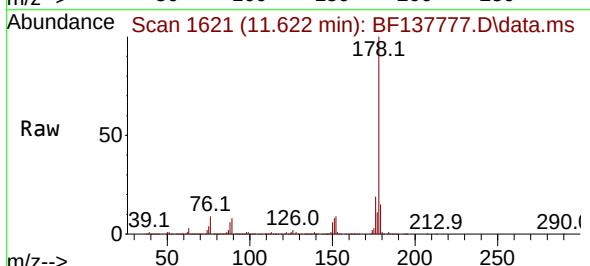
Manual Integrations
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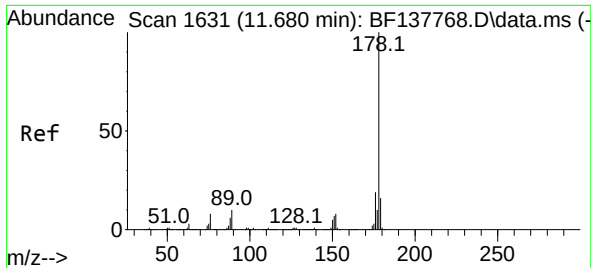
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#71
Phenanthrene
Concen: 9.355 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

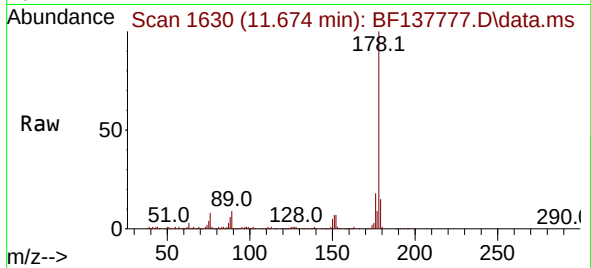
Tgt Ion:178 Resp: 325893
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.6
179 15.3 12.5 18.7





#72
 Anthracene
 Concen: 2.782 ng
 RT: 11.674 min Scan# 1631
 Delta R.T. -0.006 min
 Lab File: BF137777.D
 Acq: 30 Apr 2024 18:31

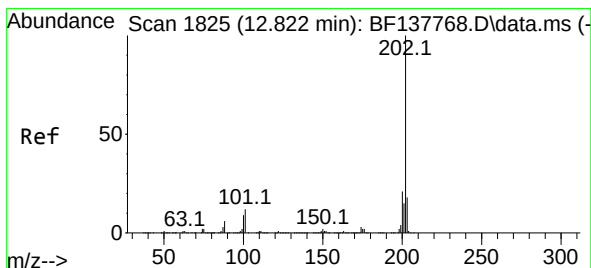
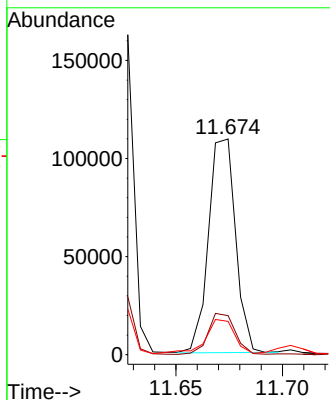
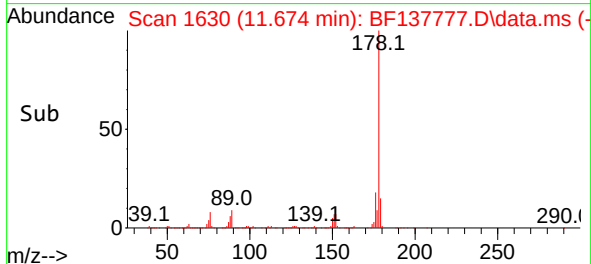
Instrument :
 BNA_F
 ClientSampleId :
 FOOT-PRINT-B-3



Tgt Ion:178 Resp: 96447
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.2 22.8
 179 15.5 12.6 18.8

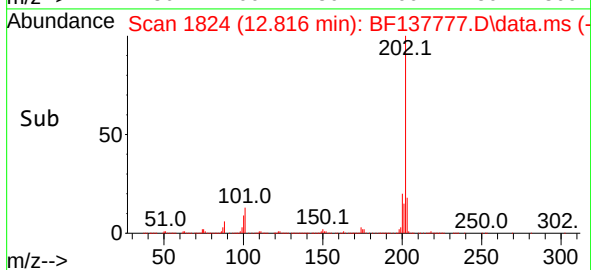
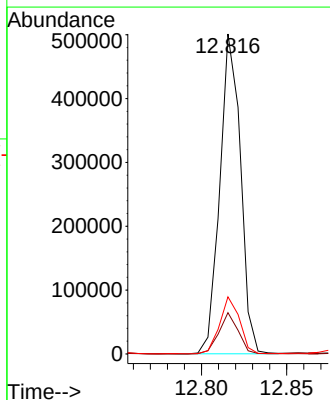
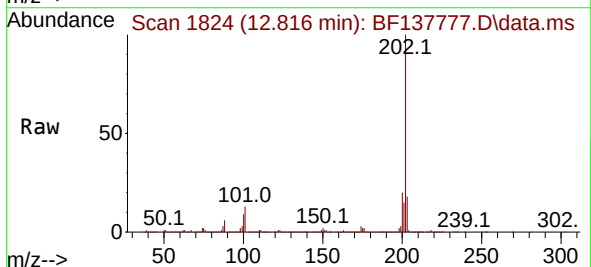
Manual Integrations
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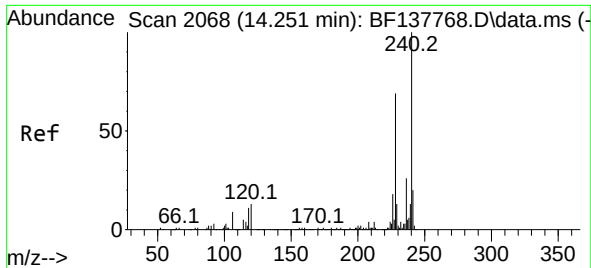
Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024



#75
 Fluoranthene
 Concen: 11.102 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.006 min
 Lab File: BF137777.D
 Acq: 30 Apr 2024 18:31

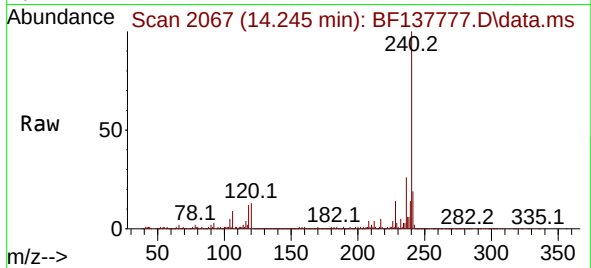
Tgt Ion:202 Resp: 422787
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 31.8
 203 17.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.245 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

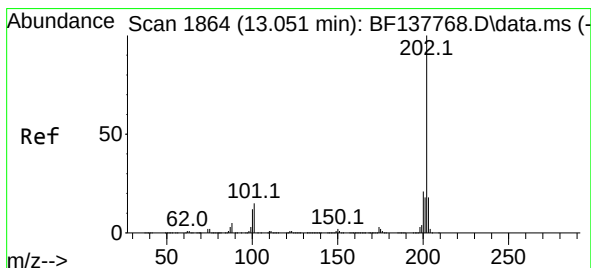
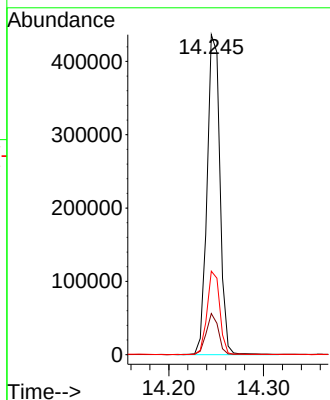
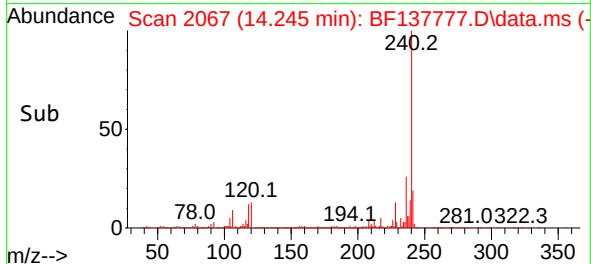
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-3



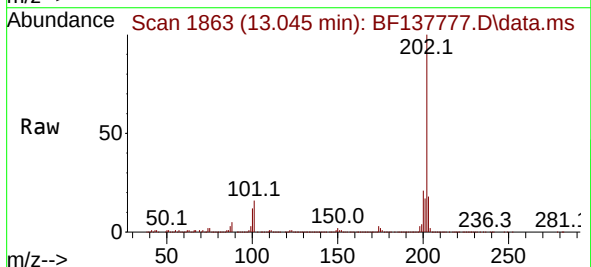
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Ion Ratio Lower Upper
240 100
120 12.9 10.4 15.6
236 26.1 20.4 30.6

Manual Integrations
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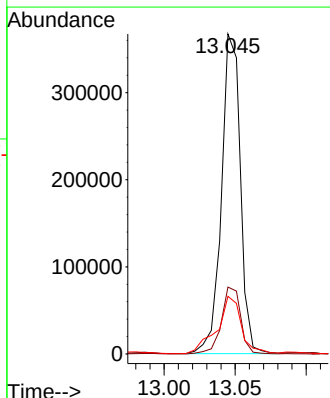
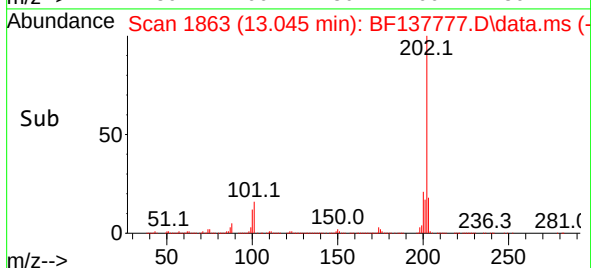
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

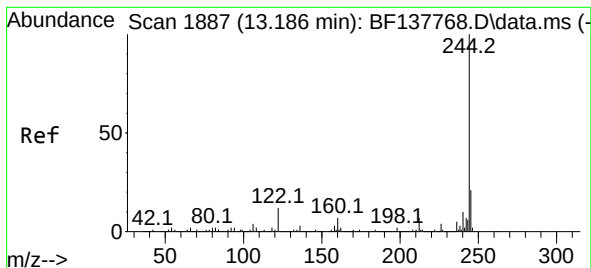


#78
Pyrene
Concen: 10.419 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31



Tgt Ion:202 Resp: 338844
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 62.840 ng

RT: 13.186 min Scan# 1887

Delta R.T. -0.000 min

Lab File: BF137777.D

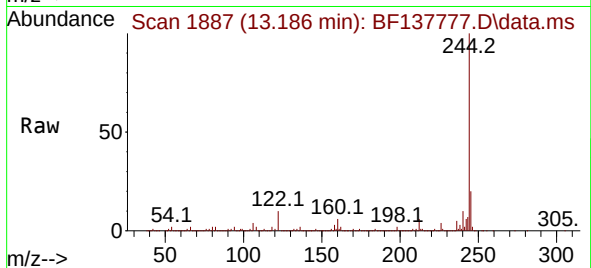
Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3



Tgt Ion:244 Resp: 153806

Ion Ratio Lower Upper

244 100

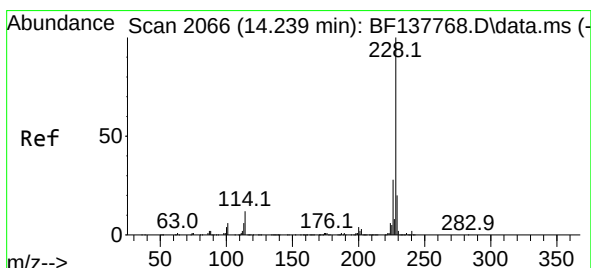
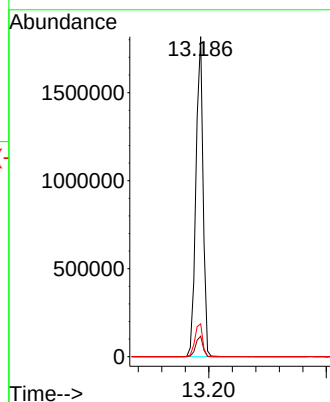
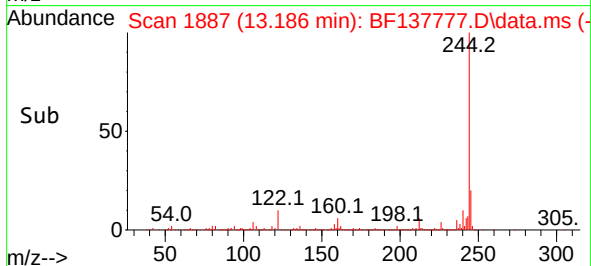
212 6.4 5.5 8.3

122 10.3 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#81

Benzo(a)anthracene

Concen: 6.368 ng

RT: 14.239 min Scan# 2066

Delta R.T. -0.000 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

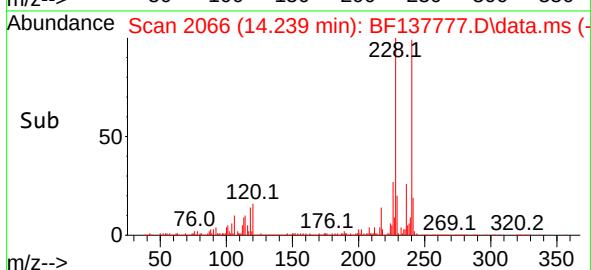
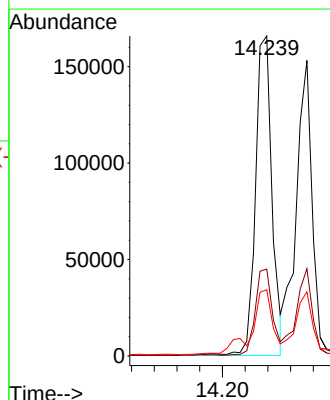
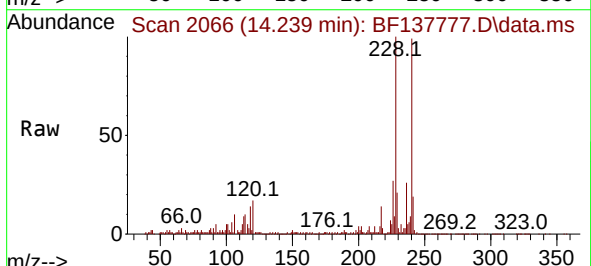
Tgt Ion:228 Resp: 167057

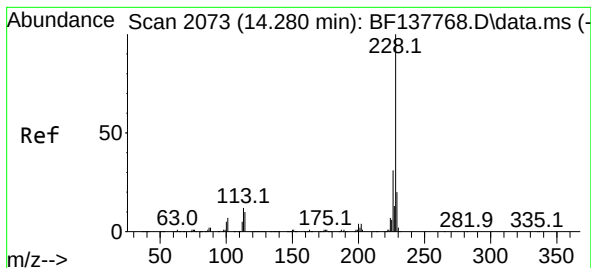
Ion Ratio Lower Upper

228 100

226 27.1 22.2 33.2

229 20.7 16.3 24.5





#83

Chrysene

Concen: 6.119 ng

RT: 14.274 min Scan# 2073

Delta R.T. -0.006 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-3

Tgt Ion:228 Resp: 150298

Ion Ratio Lower Upper

228 100

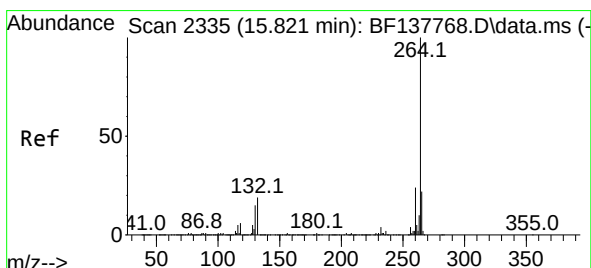
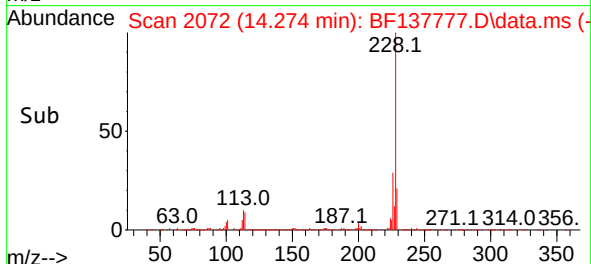
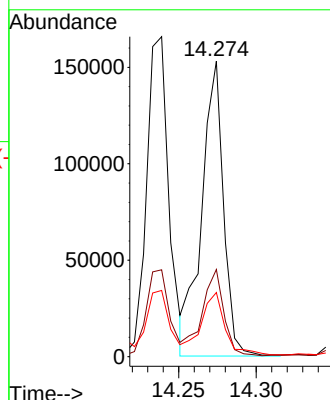
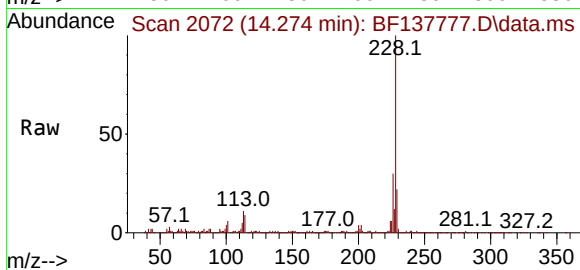
226 29.5 24.8 37.2

229 21.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.821 min Scan# 2335

Delta R.T. -0.000 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

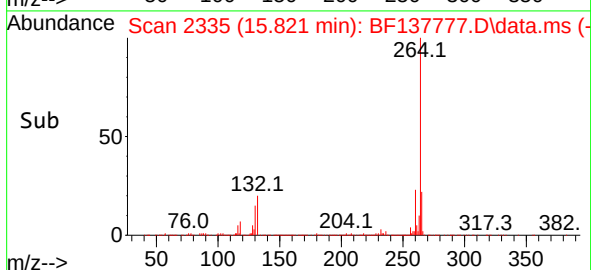
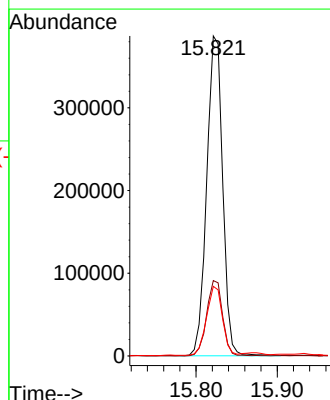
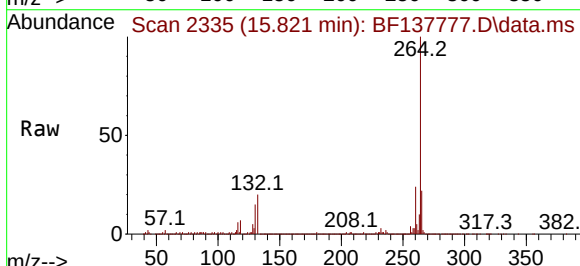
Tgt Ion:264 Resp: 526694

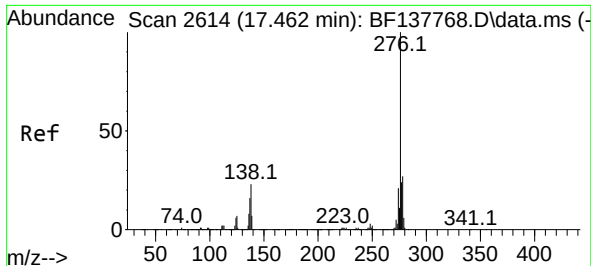
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.8 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.333 ng
RT: 17.451 min Scan# 2614
Delta R.T. -0.012 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

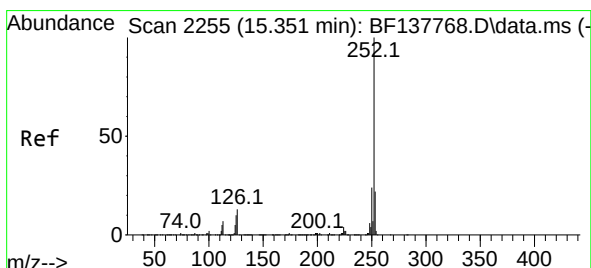
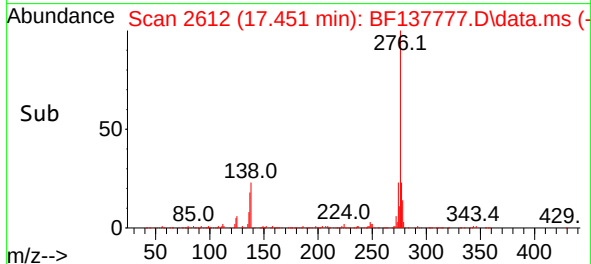
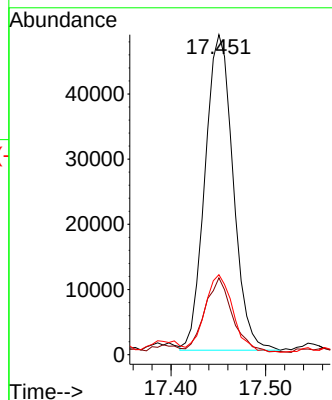
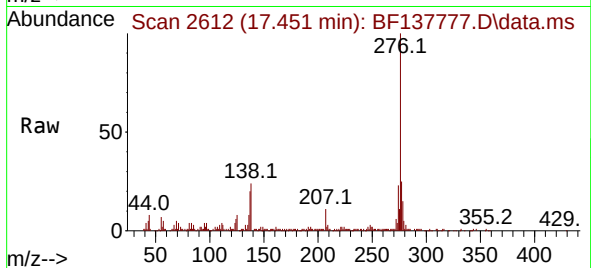
FOOT-PRINT-B-3

Tgt Ion:276 Resp: 99800
Ion Ratio Lower Upper
276 100
138 22.9 21.4 32.0
277 24.6 20.1 30.1

Manual Integrations

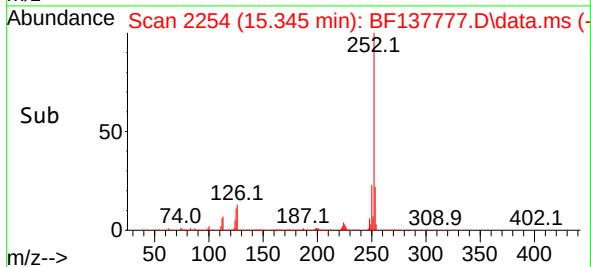
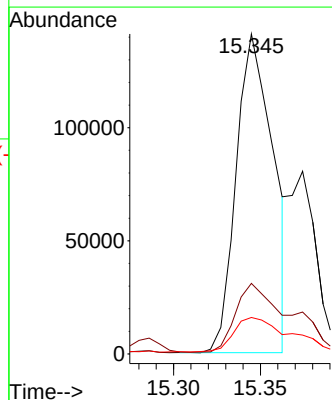
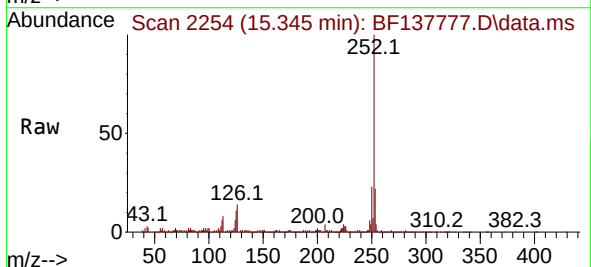
APPROVED

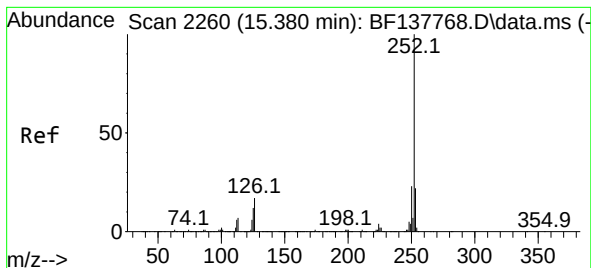
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#88
Benzo(b)fluoranthene
Concen: 6.388 ng m
RT: 15.345 min Scan# 2254
Delta R.T. -0.006 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

Tgt Ion:252 Resp: 209341
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 11.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 2.647 ng m

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

Instrument :

BNA_F

ClientSampleId :

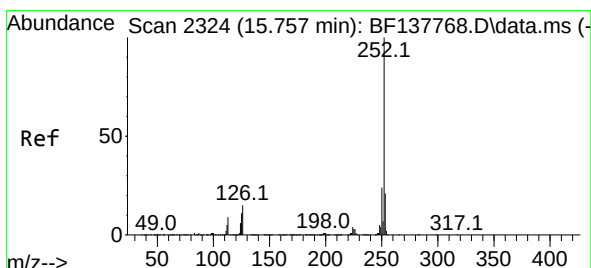
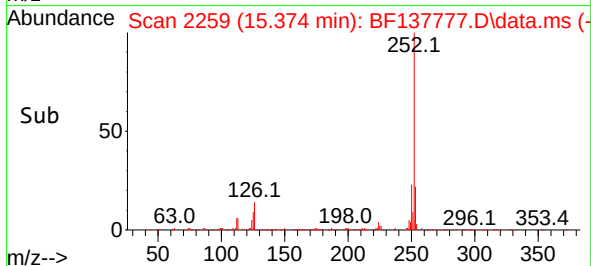
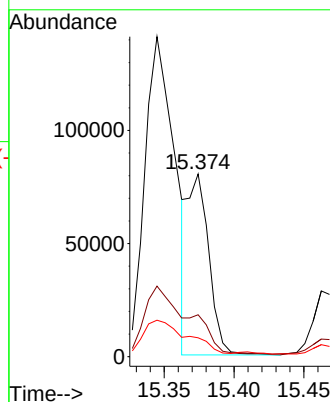
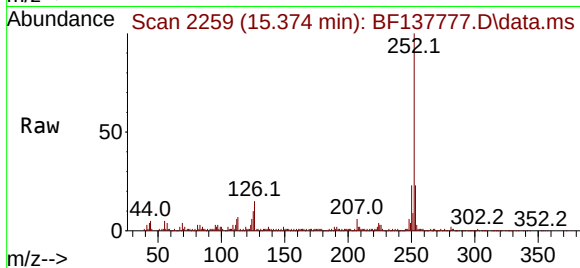
FOOT-PRINT-B-3

Tgt Ion:252	Resp:	83825
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.5 26.3
125	10.4	9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#90

Benzo(a)pyrene

Concen: 6.294 ng

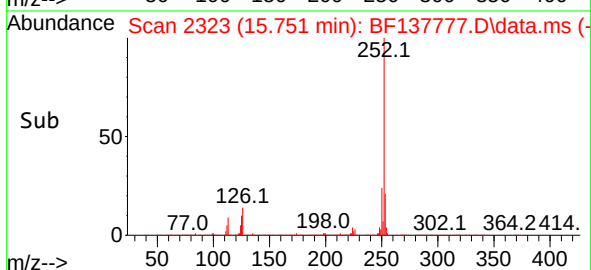
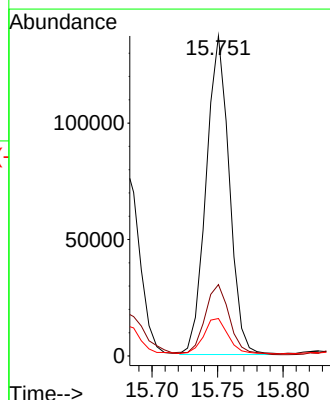
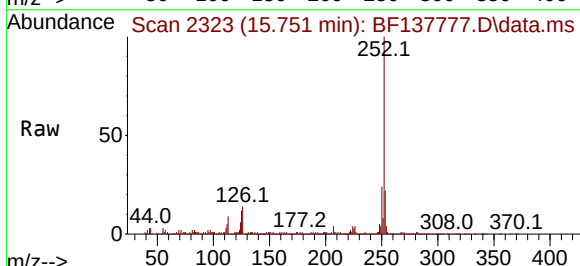
RT: 15.751 min Scan# 2323

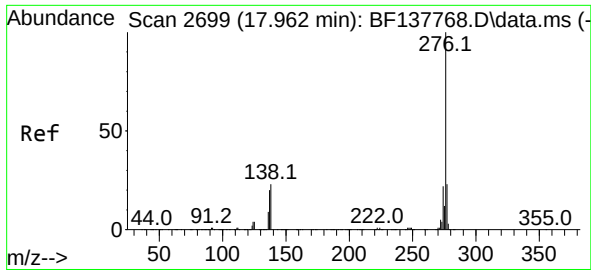
Delta R.T. -0.006 min

Lab File: BF137777.D

Acq: 30 Apr 2024 18:31

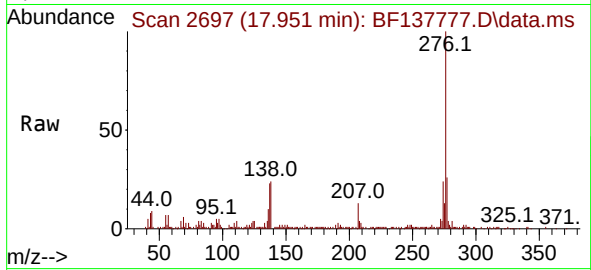
Tgt Ion:252	Resp:	168254
Ion Ratio	Lower	Upper
252	100	
253	22.3	17.1 25.7
125	11.7	9.0 13.6





#92
Benzo(g,h,i)perylene
Concen: 3.519 ng
RT: 17.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF137777.D
Acq: 30 Apr 2024 18:31

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



Tgt Ion:276 Resp: 89920
Ion Ratio Lower Upper
276 100
277 26.2 18.0 27.0
138 24.2 18.1 27.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

