

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137776.D
 Acq On : 30 Apr 2024 18:00
 Operator : CG\JU
 Sample : P2294-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: May 01 04:24:13 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	217826	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	829987	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	441340	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	685454	20.000	ng	0.00
76) Chrysene-d12	14.245	240	410238	20.000	ng	0.00
86) Perylene-d12	15.821	264	513325	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	1169746	89.911	ng	0.00
7) Phenol-d6	6.669	99	1467310	88.917	ng	0.00
23) Nitrobenzene-d5	7.616	82	884609	61.922	ng	0.00
42) 2,4,6-Tribromophenol	10.892	330	394810	87.615	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	1777905	65.356	ng	0.00
79) Terphenyl-d14	13.186	244	1503955	61.438	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.622	178	200606	6.004	ng	97
75) Fluoranthene	12.822	202	348807	9.551	ng	99
78) Pyrene	13.045	202	293244	9.015	ng	98
81) Benzo(a)anthracene	14.239	228	145075	5.529	ng	98
83) Chrysene	14.274	228	139250	5.668	ng	97
87) Indeno(1,2,3-cd)pyrene	17.451	276	95002	3.255	ng	95
88) Benzo(b)fluoranthene	15.345	252	196372m	6.149	ng	
89) Benzo(k)fluoranthene	15.374	252	75215m	2.437	ng	
90) Benzo(a)pyrene	15.751	252	144596	5.549	ng	96
92) Benzo(g,h,i)perylene	17.951	276	90988	3.654	ng	97

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

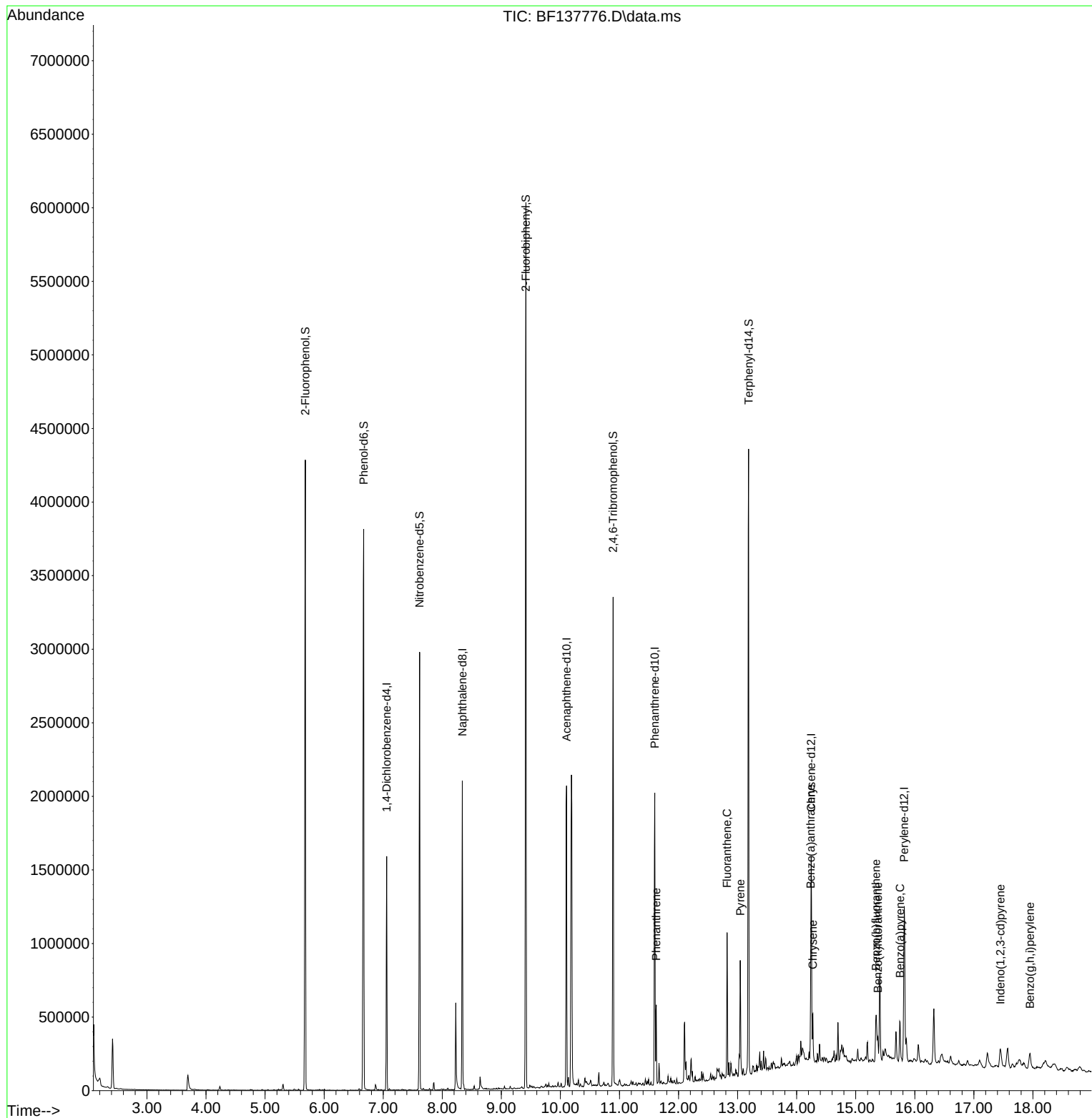
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
Data File : BF137776.D
Acq On : 30 Apr 2024 18:00
Operator : CG\JU
Sample : P2294-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

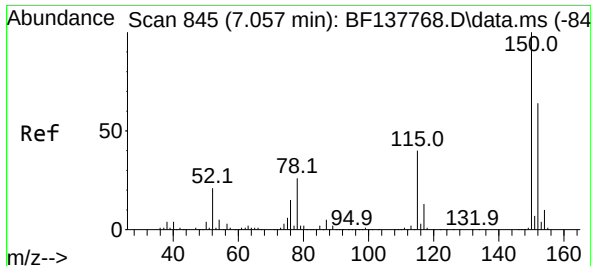
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2

Quant Time: May 01 04:24:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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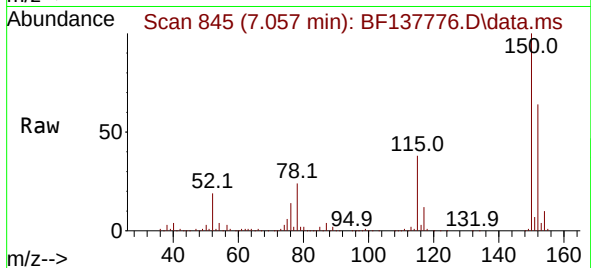
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

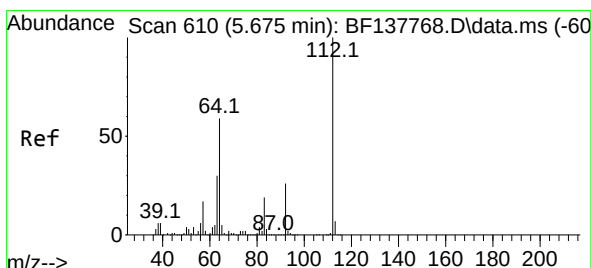
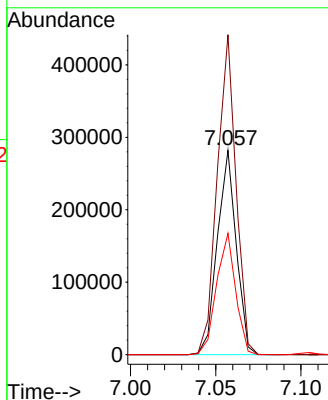
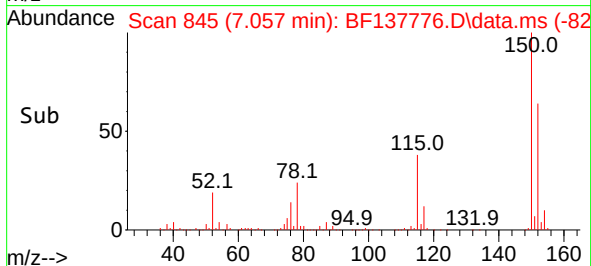
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



Tgt Ion:152 Resp: 217820
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 59.3 49.1 73.7

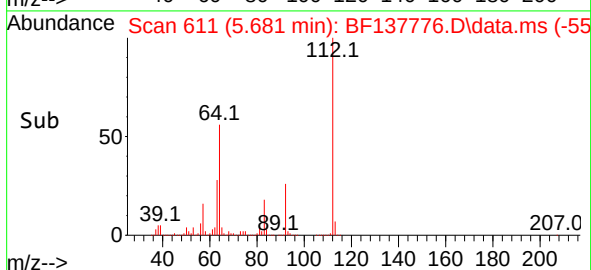
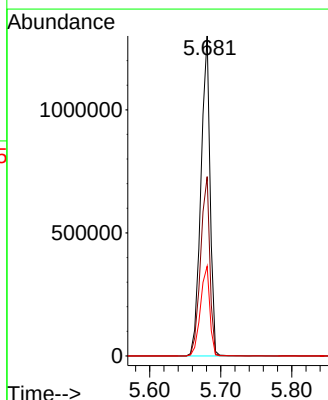
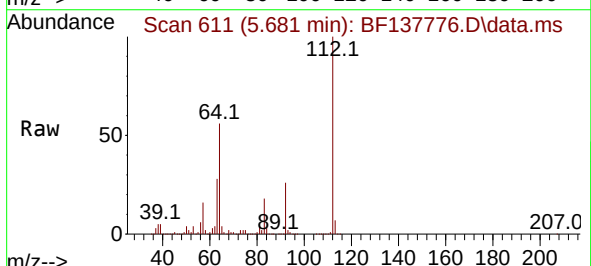
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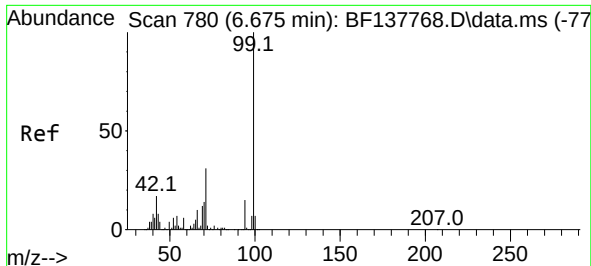
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#5
2-Fluorophenol
Concen: 89.911 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

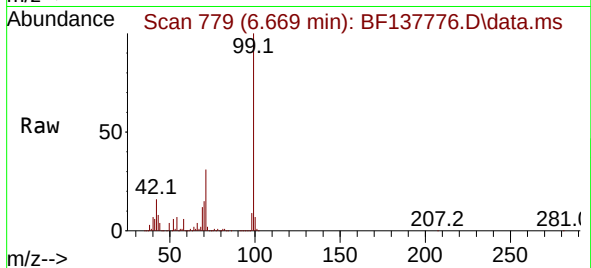
Tgt Ion:112 Resp: 1169746
Ion Ratio Lower Upper
112 100
64 56.1 47.3 70.9
63 28.1 23.7 35.5





#7
Phenol-d6
Concen: 88.917 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

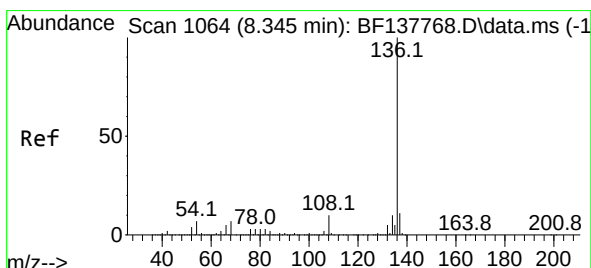
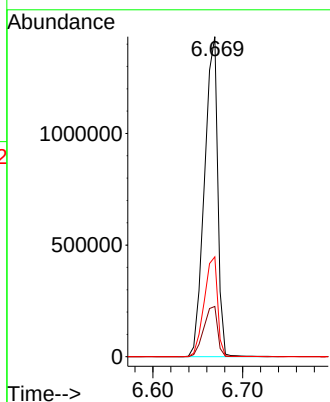
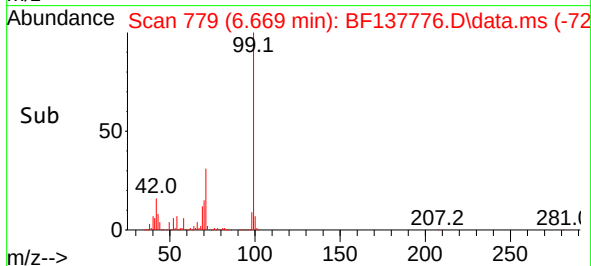
Instrument :
BNA_F
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Tgt Ion: 99 Resp: 1467310
Ion Ratio Lower Upper
99 100
42 15.7 13.2 19.8
71 31.2 25.0 37.4

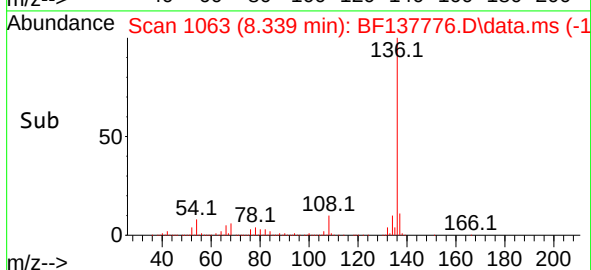
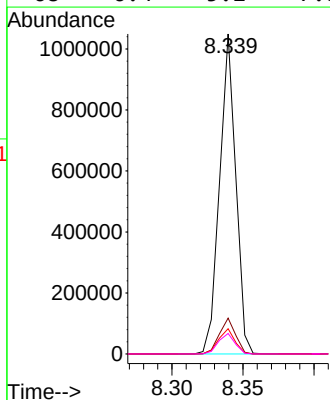
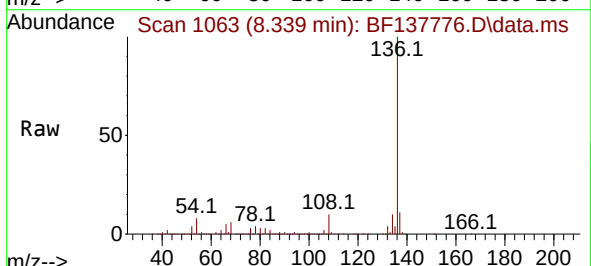
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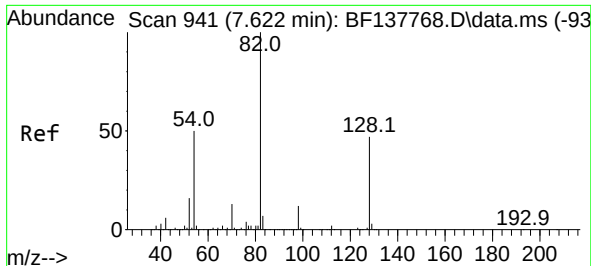
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

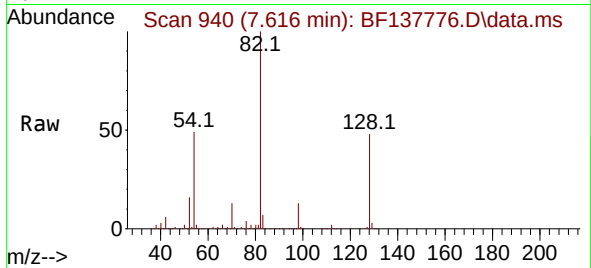
Tgt Ion:136 Resp: 829987
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.9 5.8 8.8
68 6.4 5.2 7.8





#23
Nitrobenzene-d5
Concen: 61.922 ng
RT: 7.616 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

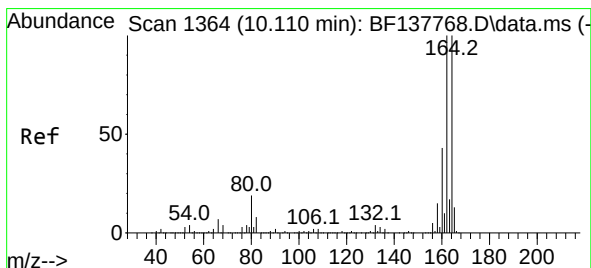
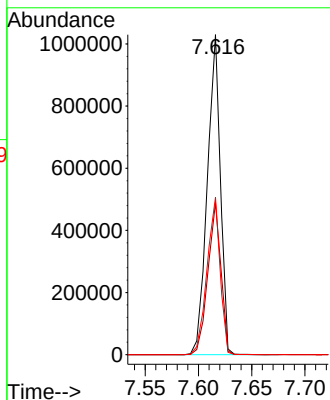
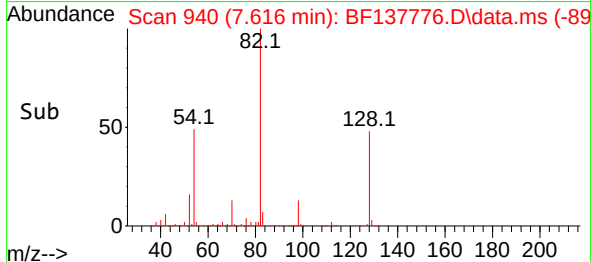
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



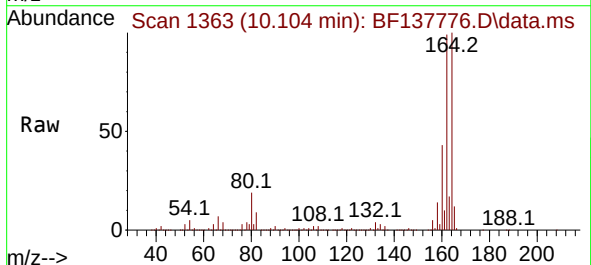
Tgt Ion: 82 Resp: 884609
Ion Ratio Lower Upper
82 100
128 47.5 37.5 56.3
54 49.2 39.8 59.6

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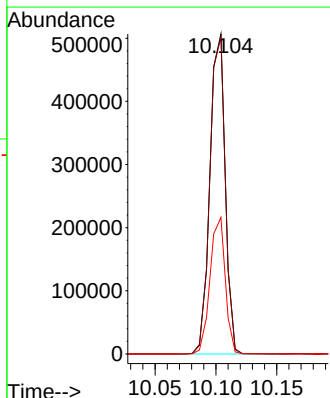
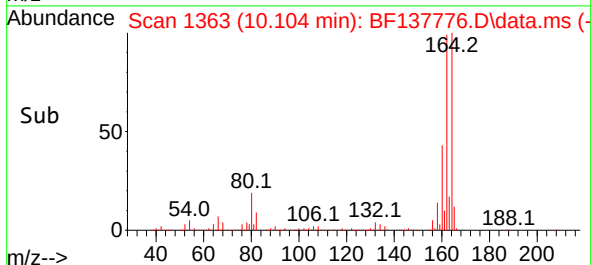
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

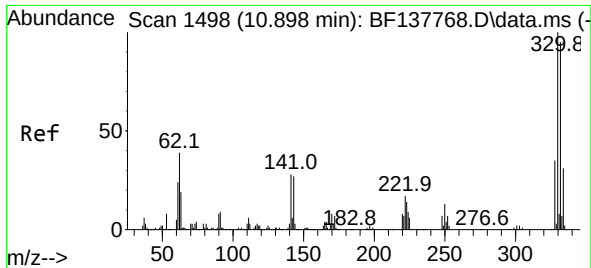


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00



Tgt Ion:164 Resp: 441340
Ion Ratio Lower Upper
164 100
162 99.0 79.8 119.6
160 42.6 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 87.615 ng
RT: 10.892 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

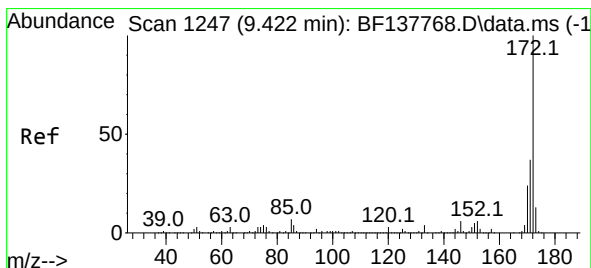
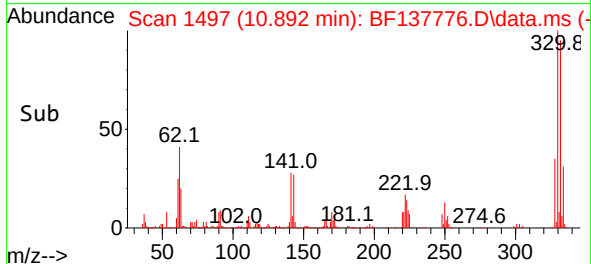
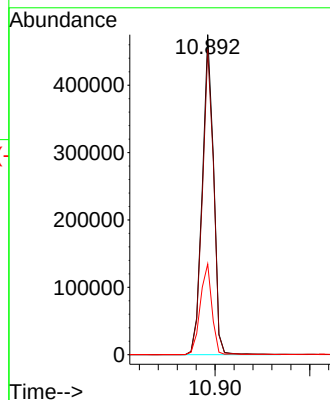
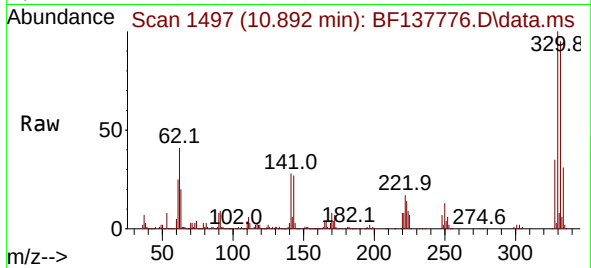
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Tgt Ion:330 Resp: 394810
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 29.0 23.8 35.6

Manual Integrations

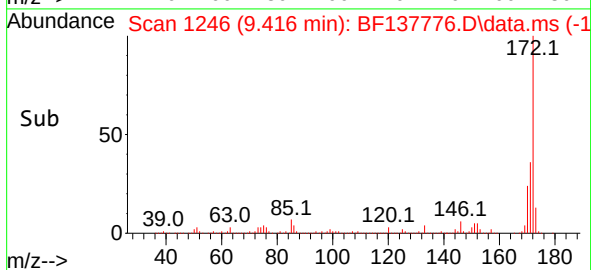
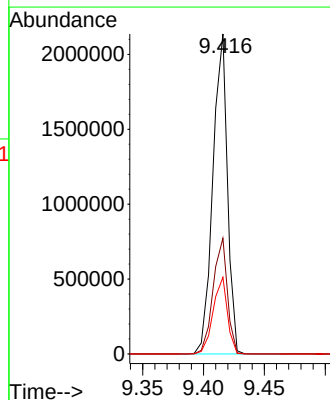
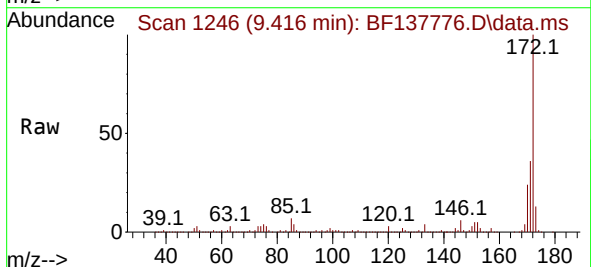
APPROVED

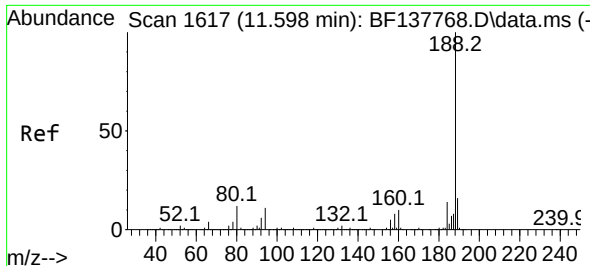
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#45
2-Fluorobiphenyl
Concen: 65.356 ng
RT: 9.416 min Scan# 1246
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

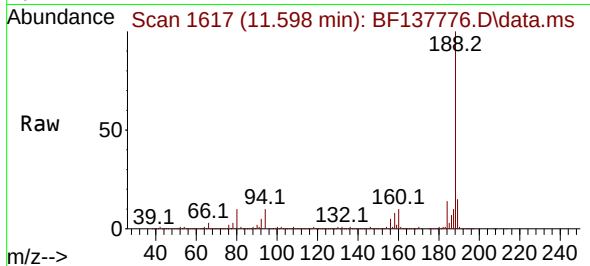
Tgt Ion:172 Resp: 1777905
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

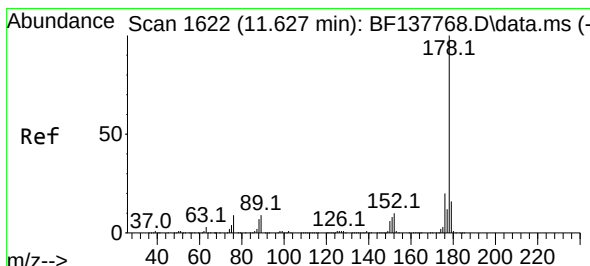
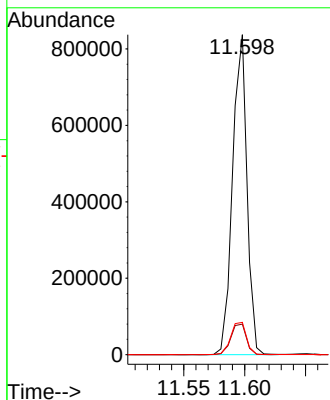
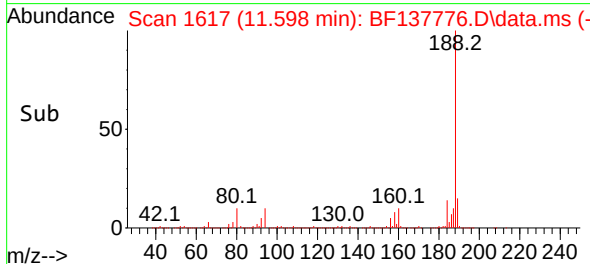
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



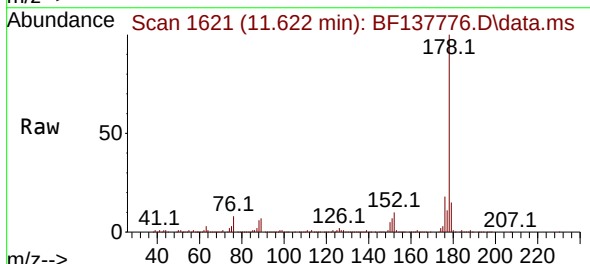
Tgt Ion:188 Resp: 685454
Ion Ratio Lower Upper
188 100
94 9.6 8.8 13.2
80 10.1 9.6 14.4

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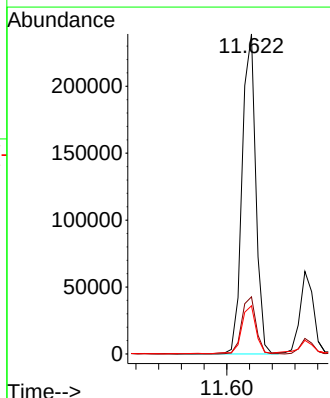
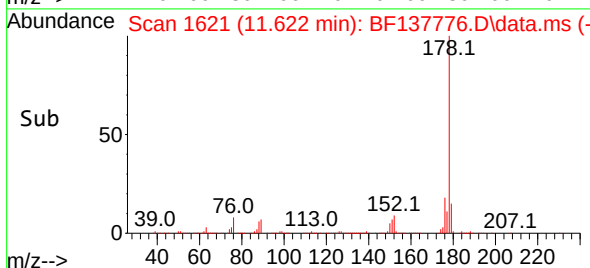
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

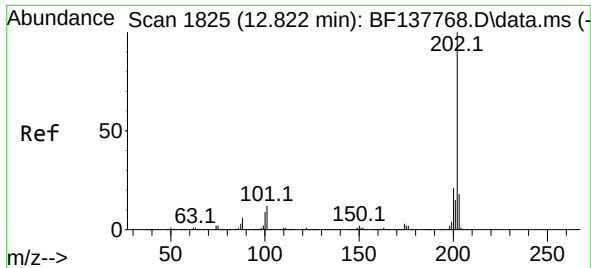


#71
Phenanthrene
Concen: 6.004 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00



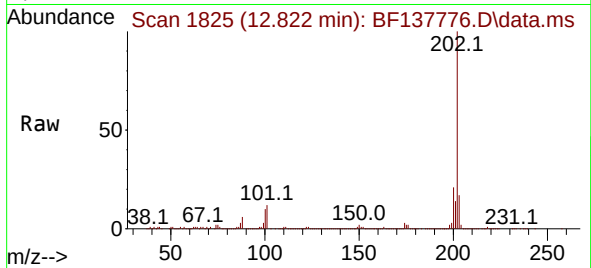
Tgt Ion:178 Resp: 200606
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.6
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 9.551 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

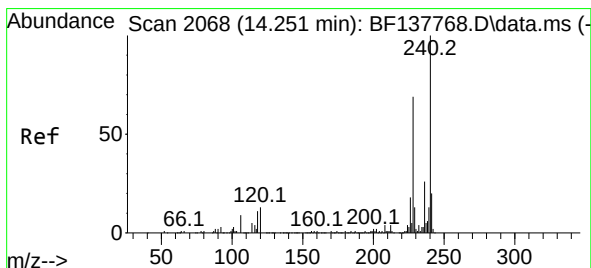
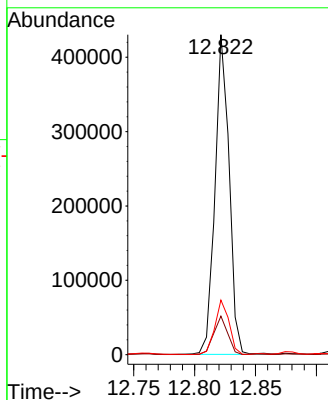
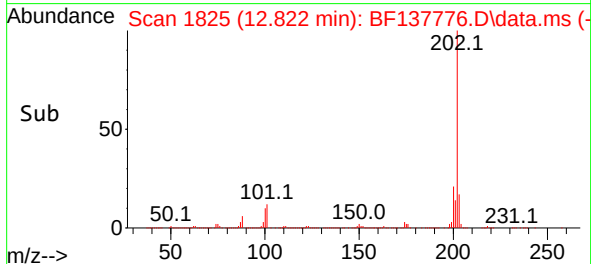
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



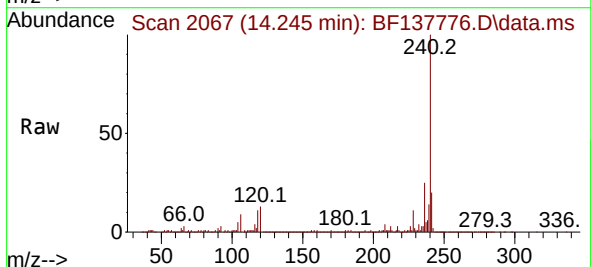
Tgt Ion:202 Resp: 34880
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.8
203 17.0 0.0 37.8

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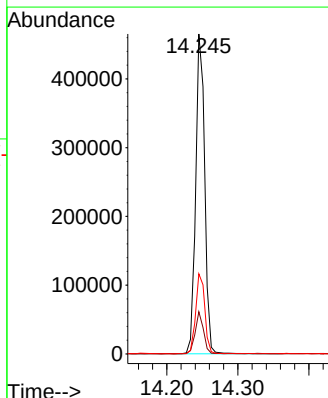
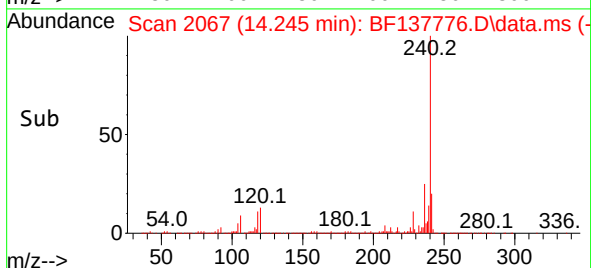
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

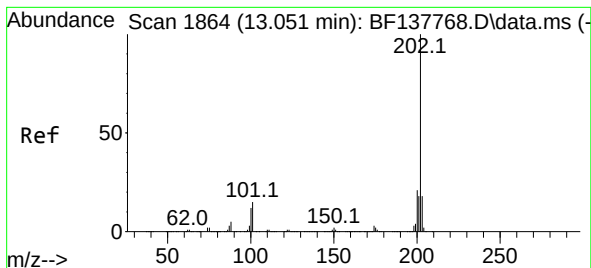


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.245 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00



Tgt Ion:240 Resp: 410238
Ion Ratio Lower Upper
240 100
120 13.2 10.4 15.6
236 25.0 20.4 30.6





#78

Pyrene

Concen: 9.015 ng

RT: 13.045 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-2

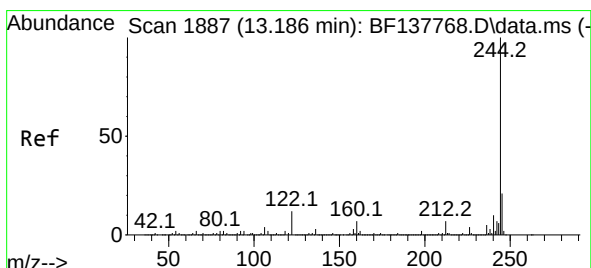
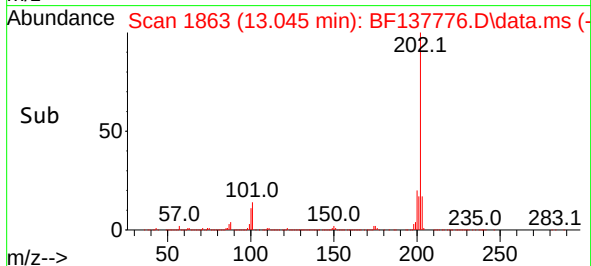
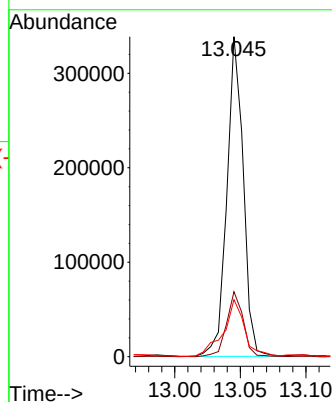
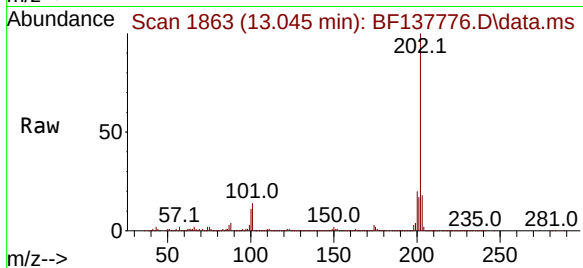
Tgt Ion:202 Resp: 293244

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.2	25.8
203	17.8	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 61.438 ng

RT: 13.186 min Scan# 1887

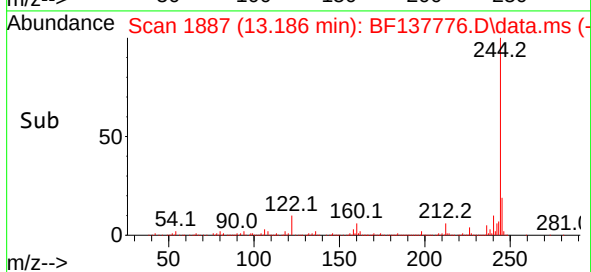
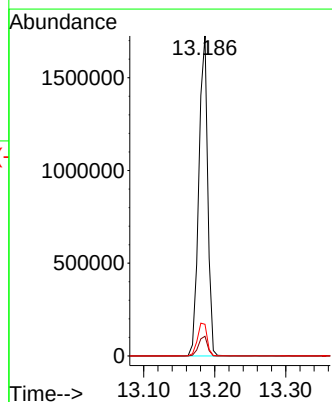
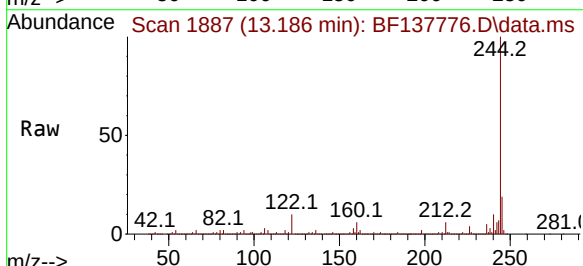
Delta R.T. 0.000 min

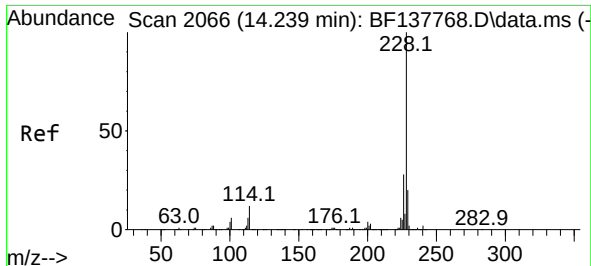
Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Tgt Ion:244 Resp: 1503955

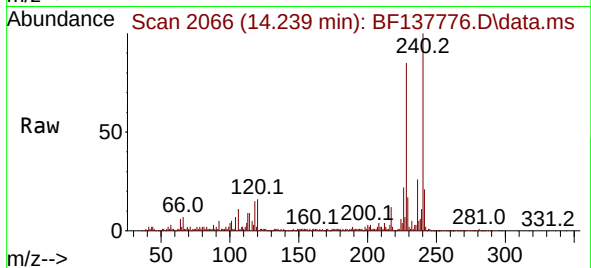
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	9.9	9.4	14.2





#81
Benzo(a)anthracene
Concen: 5.529 ng
RT: 14.239 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

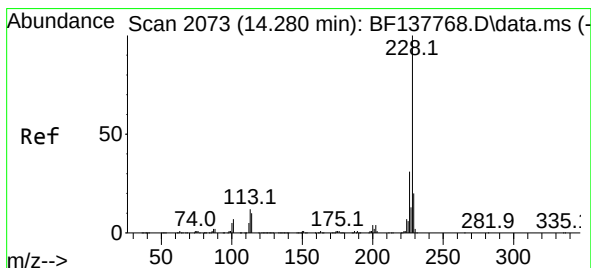
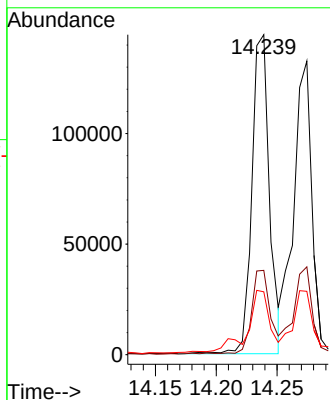
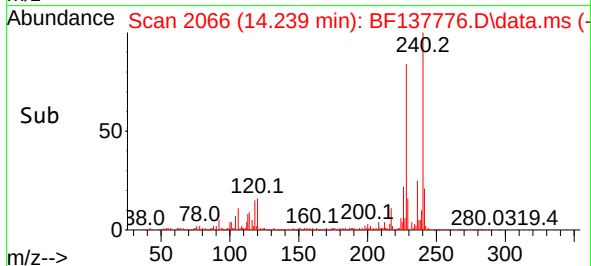
Instrument :
BNA_F
ClientSampleId :
FOOT-PRINT-B-2



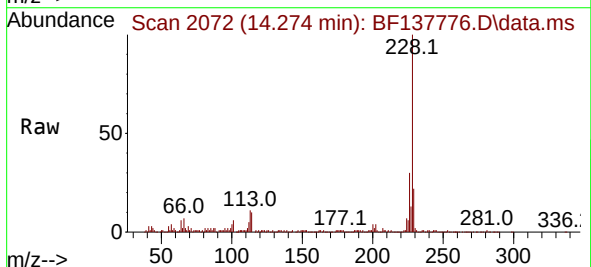
Tgt Ion:228 Resp: 145075
Ion Ratio Lower Upper
228 100
226 26.4 22.2 33.2
229 19.6 16.3 24.5

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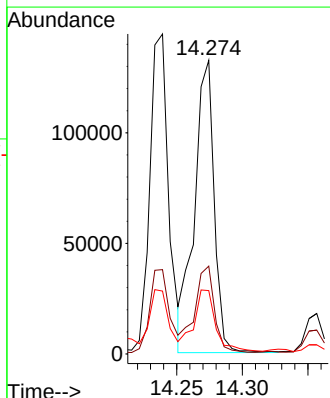
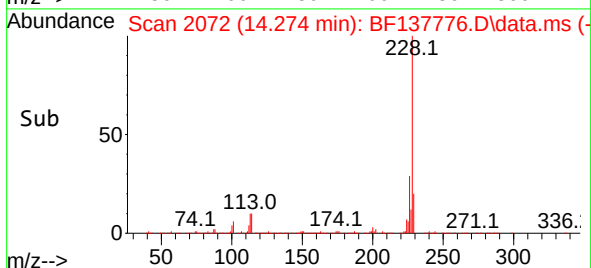
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

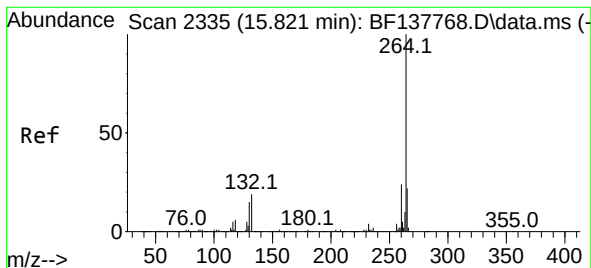


#83
Chrysene
Concen: 5.668 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.006 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00



Tgt Ion:228 Resp: 139250
Ion Ratio Lower Upper
228 100
226 29.9 24.8 37.2
229 21.6 16.0 24.0





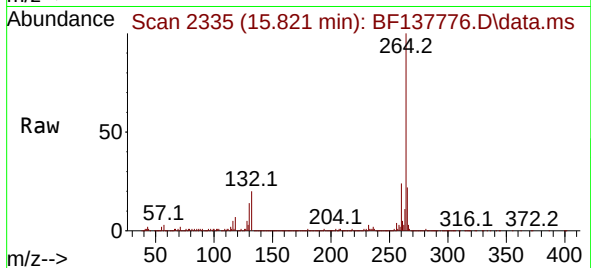
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.821 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

FOOT-PRINT-B-2

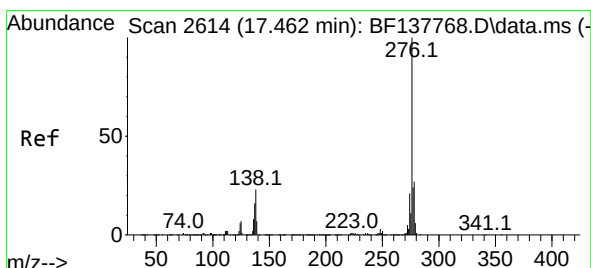
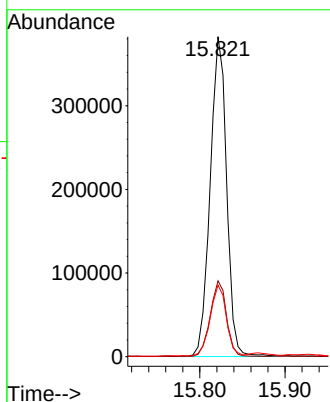
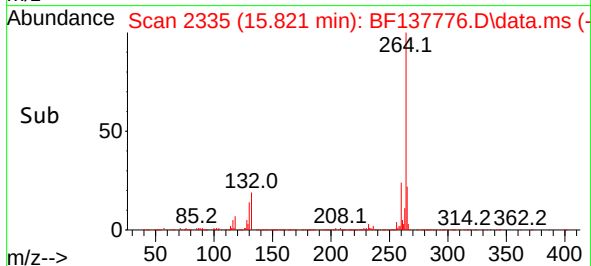


Tgt Ion:264 Resp: 51332
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.4 17.4 26.0

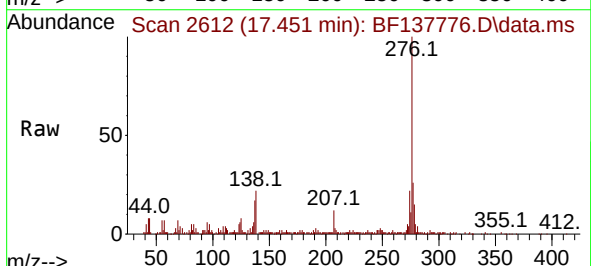
Manual Integrations

APPROVED

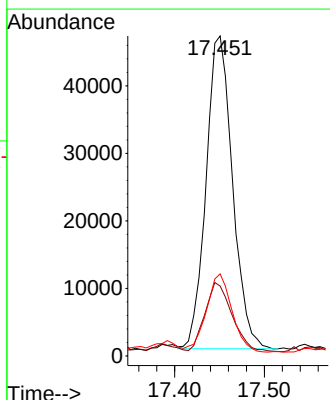
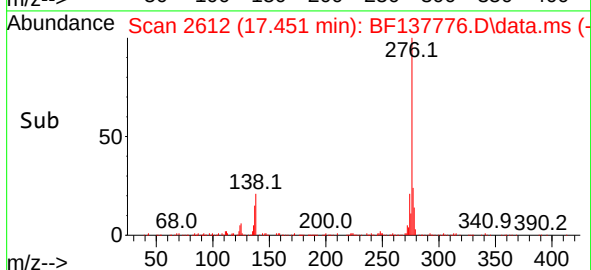
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

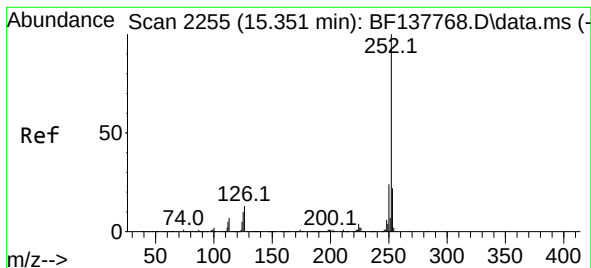


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.255 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF137776.D
Acq: 30 Apr 2024 18:00



Tgt Ion:276 Resp: 95002
Ion Ratio Lower Upper
276 100
138 22.6 21.4 32.0
277 24.2 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 6.149 ng m

RT: 15.345 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

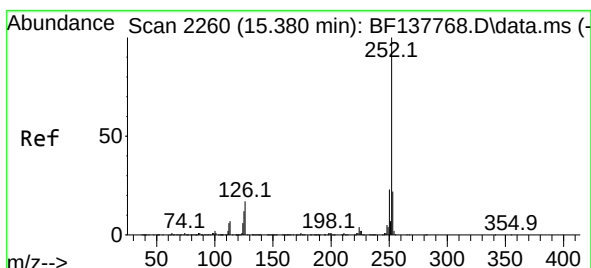
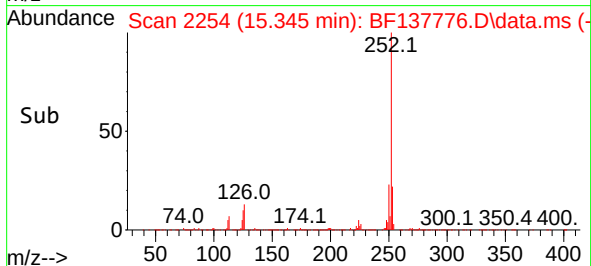
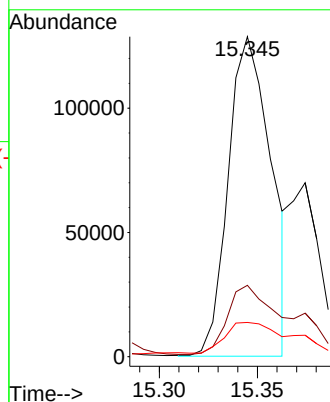
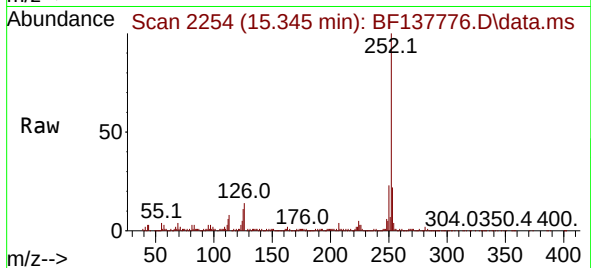
FOOT-PRINT-B-2

Tgt Ion:252 Resp: 196372
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.5 26.3
 125 10.7 7.9 11.9

Manual Integrations

APPROVED

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



#89

Benzo(k)fluoranthene

Concen: 2.437 ng m

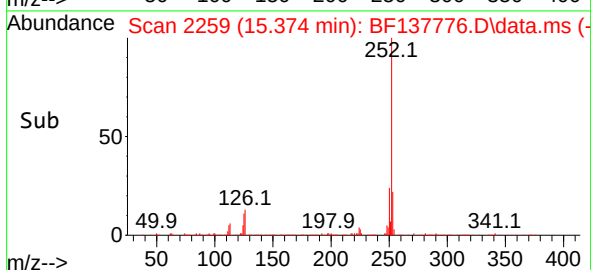
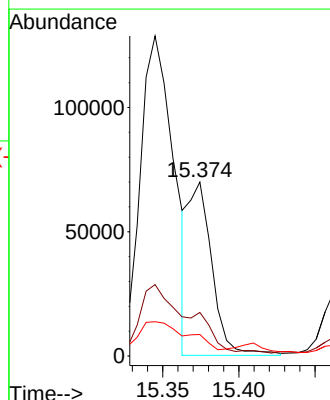
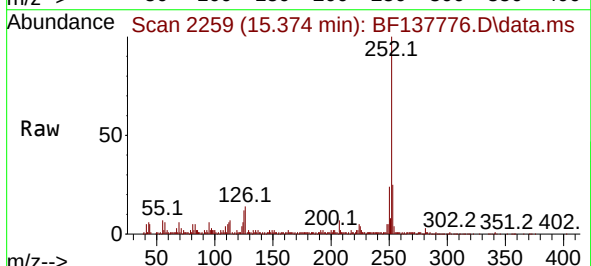
RT: 15.374 min Scan# 2259

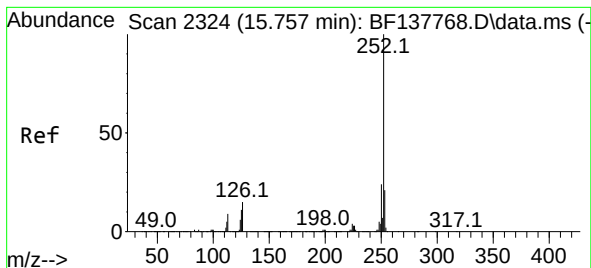
Delta R.T. -0.006 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Tgt Ion:252 Resp: 75215
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.5 26.3
 125 12.3 9.0 13.4





#90

Benzo(a)pyrene

Concen: 5.549 ng

RT: 15.751 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Instrument :

BNA_F

ClientSampleId :

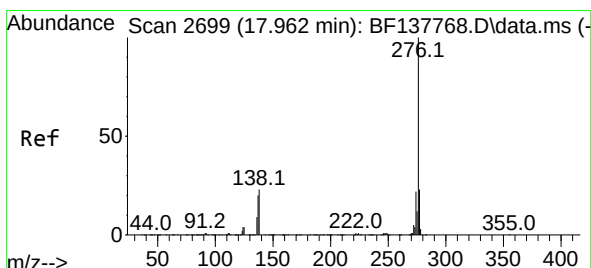
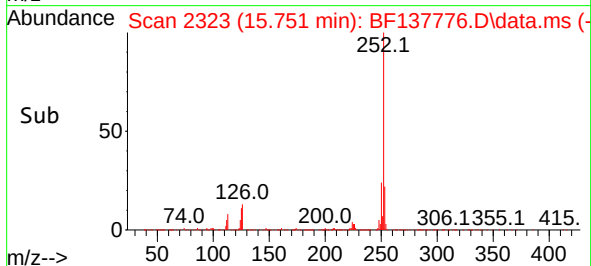
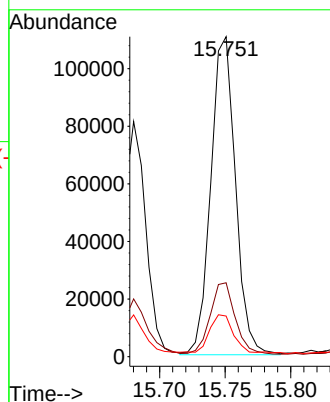
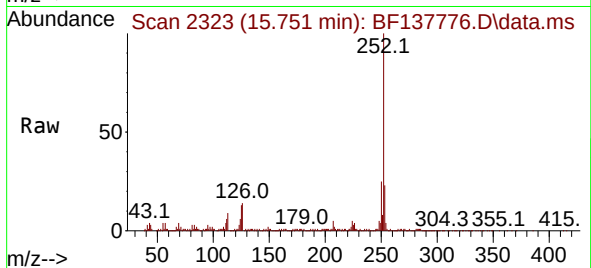
FOOT-PRINT-B-2

Tgt Ion:252 Resp: 144590
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.1 25.7
 125 12.7 9.0 13.6

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 3.654 ng

RT: 17.951 min Scan# 2697

Delta R.T. -0.012 min

Lab File: BF137776.D

Acq: 30 Apr 2024 18:00

Tgt Ion:276 Resp: 90988
 Ion Ratio Lower Upper
 276 100
 277 24.6 18.0 27.0
 138 21.9 18.1 27.1

