

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
 Data File : BF137778.D
 Acq On : 30 Apr 2024 19:02
 Operator : CG\JU
 Sample : P2310-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-042924

Manual Integrations
 APPROVED

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

Quant Time: May 01 04:25:01 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	227347	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	869291	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	444667	20.000	ng	0.00
64) Phenanthrene-d10	11.598	188	612184	20.000	ng	0.00
76) Chrysene-d12	14.251	240	448604	20.000	ng	# 0.00
86) Perylene-d12	15.821	264	497743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	102640	7.559	ng	0.00
7) Phenol-d6	6.657	99	127647	7.411	ng	-0.02
23) Nitrobenzene-d5	7.610	82	69982	4.677	ng	-0.01
42) 2,4,6-Tribromophenol	10.886	330	23975	5.281	ng	-0.01
45) 2-Fluorobiphenyl	9.410	172	162939	5.945	ng	-0.01
79) Terphenyl-d14	13.180	244	115851	4.328	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.622	178	348373	11.675	ng	98
72) Anthracene	11.669	178	81896	2.758	ng	98
75) Fluoranthene	12.816	202	353101	10.826	ng	100
78) Pyrene	13.045	202	294254	8.273	ng	97
81) Benzo(a)anthracene	14.239	228	160943	5.609	ng	97
83) Chrysene	14.274	228	145921	5.432	ng	97
87) Indeno(1,2,3-cd)pyrene	17.451	276	59833	2.114	ng	93
88) Benzo(b)fluoranthene	15.345	252	166980m	5.392	ng	
89) Benzo(k)fluoranthene	15.374	252	68347m	2.283	ng	
90) Benzo(a)pyrene	15.751	252	122775	4.860	ng	96
92) Benzo(g,h,i)perylene	17.951	276	51294	2.124	ng	95

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

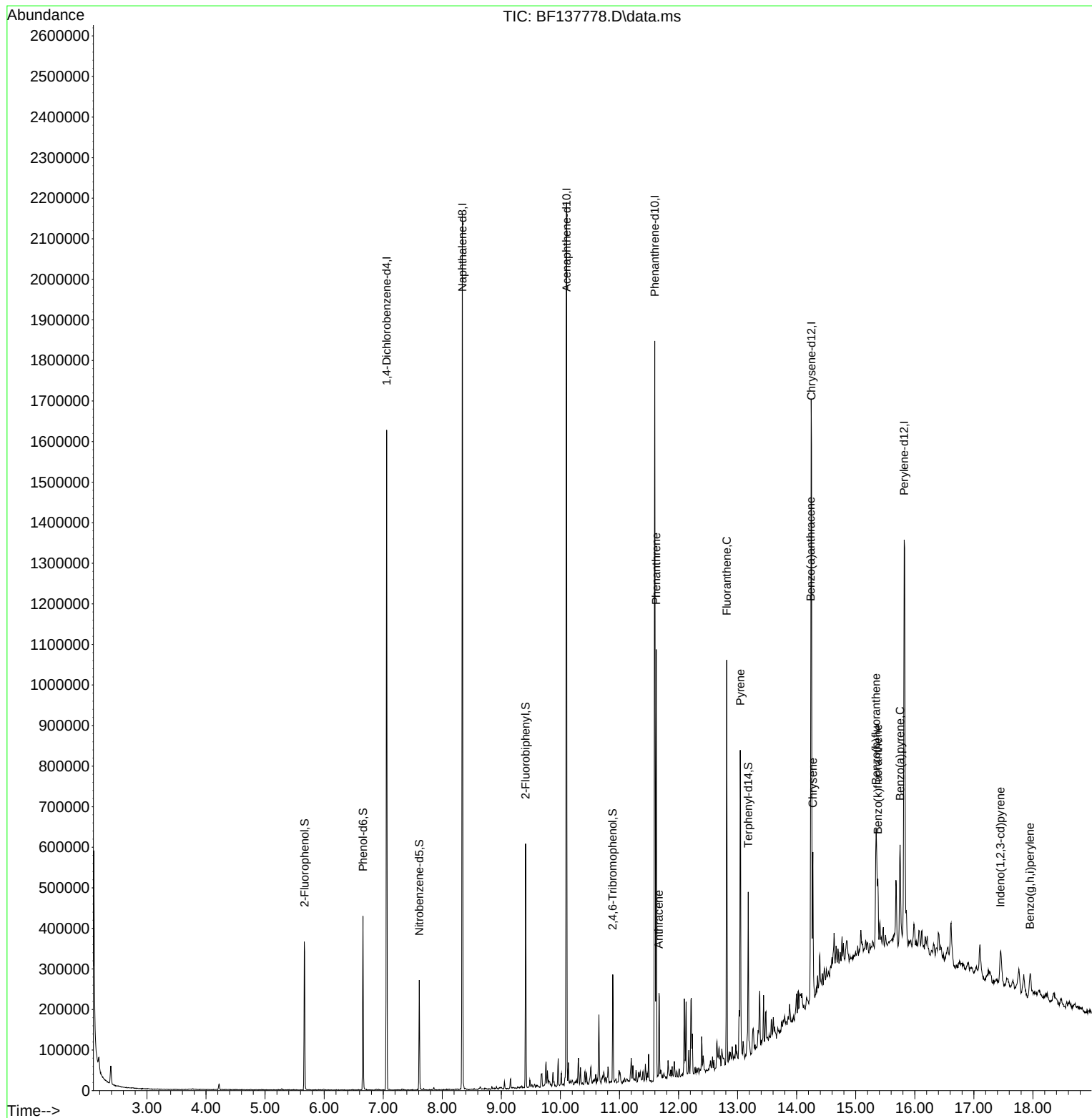
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043024\
Data File : BF137778.D
Acq On : 30 Apr 2024 19:02
Operator : CG\JU
Sample : P2310-01 10X
Misc :
ALS Vial : 16 Sample Multiplier: 1

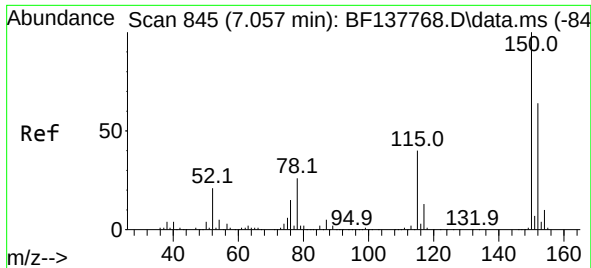
Instrument :
BNA_F
ClientSampleId :
SU-02-042924

Quant Time: May 01 04:25:01 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
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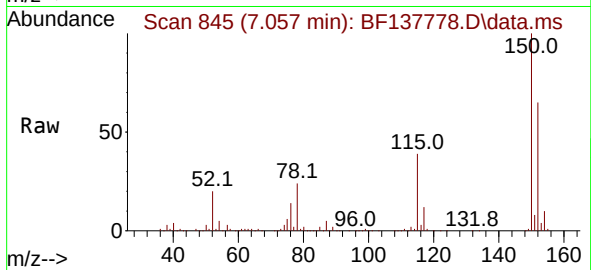
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

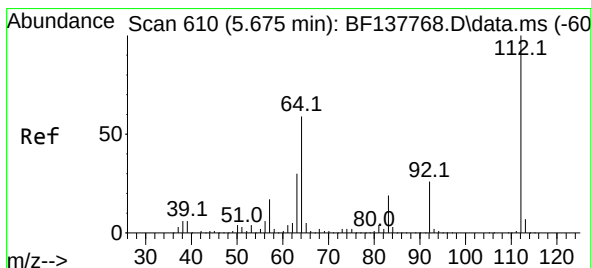
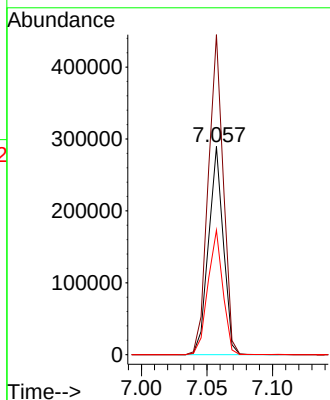
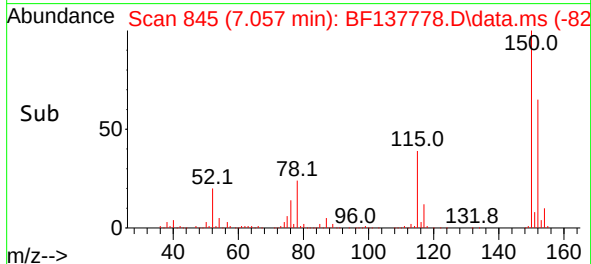
Instrument :
BNA_F
ClientSampleId :
SU-02-042924



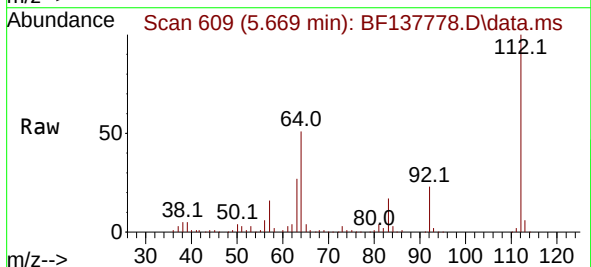
Tgt Ion:152 Resp: 22734
Ion Ratio Lower Upper
152 100
150 153.7 124.1 186.1
115 59.8 49.1 73.7

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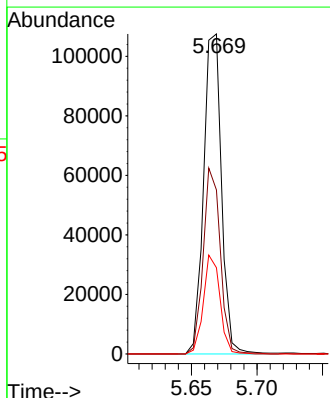
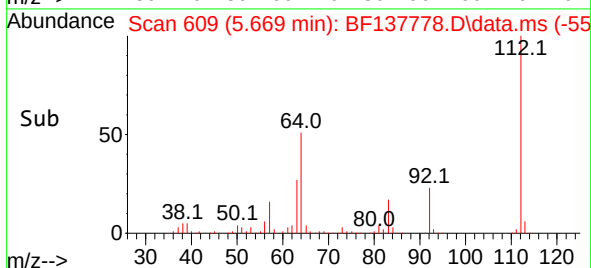
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

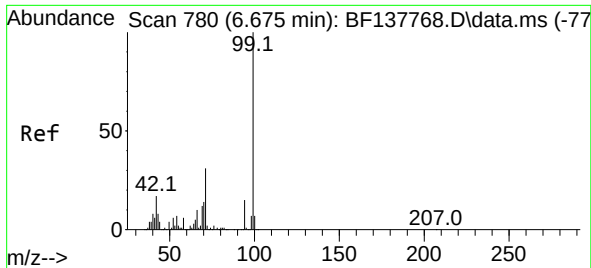


#5
2-Fluorophenol
Concen: 7.559 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02



Tgt Ion:112 Resp: 102640
Ion Ratio Lower Upper
112 100
64 51.3 47.3 70.9
63 26.9 23.7 35.5





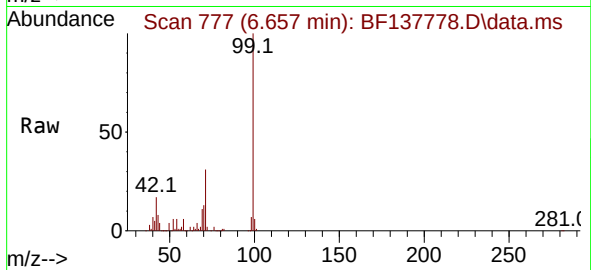
#7
Phenol-d6
Concen: 7.411 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

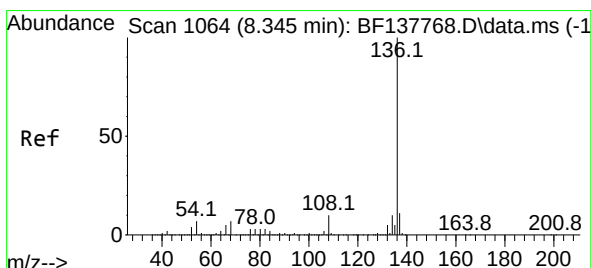
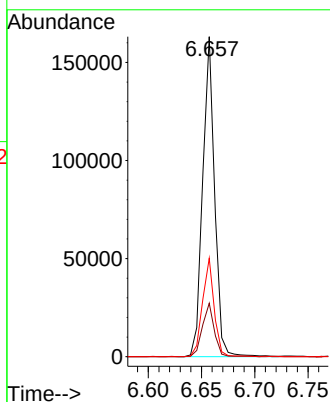
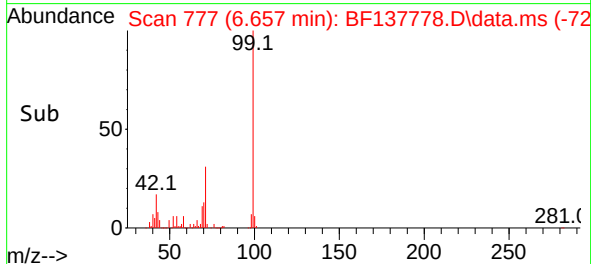


Tgt Ion: 99 Resp: 12764
Ion Ratio Lower Upper
99 100
42 16.7 13.2 19.8
71 30.7 25.0 37.4

Manual Integrations

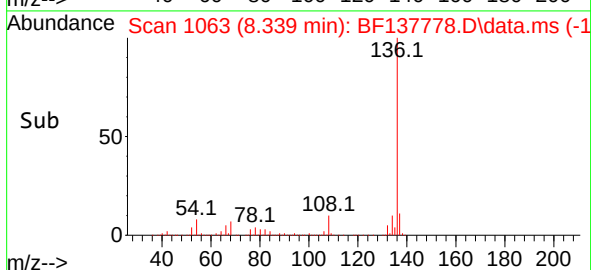
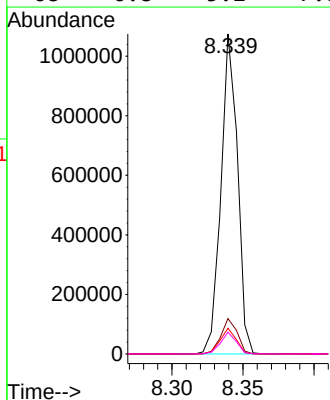
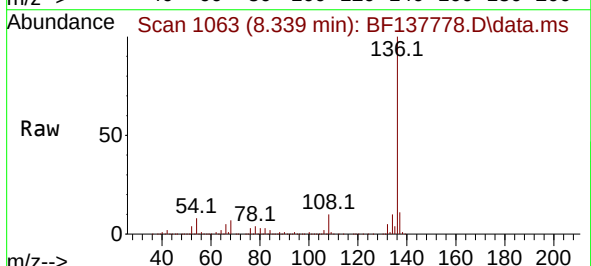
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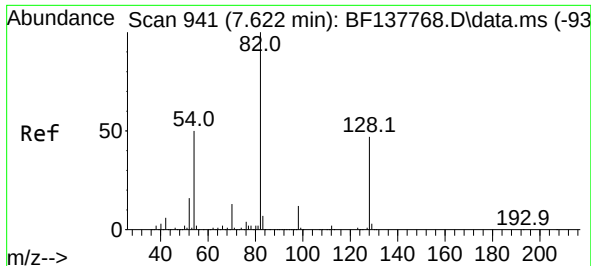
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Tgt Ion:136 Resp: 869291
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.0 5.8 8.8
68 6.8 5.2 7.8





#23
Nitrobenzene-d5
Concen: 4.677 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

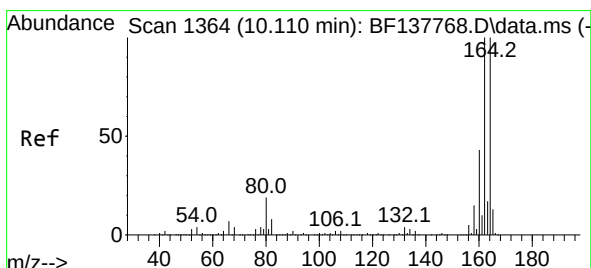
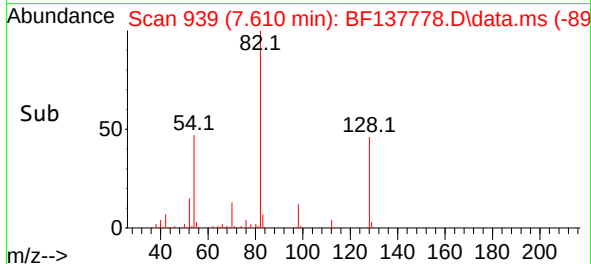
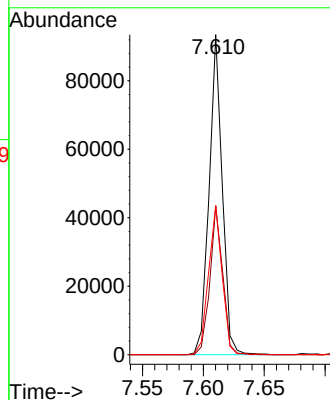
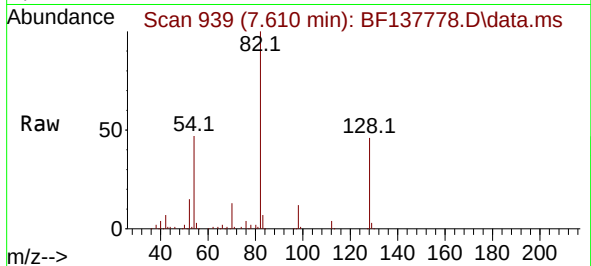
ClientSampleId :

SU-02-042924

Tgt Ion: 82 Resp: 6998
Ion Ratio Lower Upper
82 100
128 46.4 37.5 56.3
54 46.6 39.8 59.6

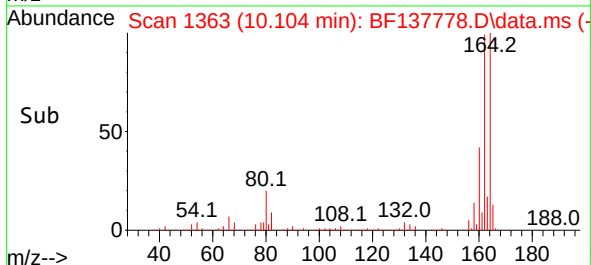
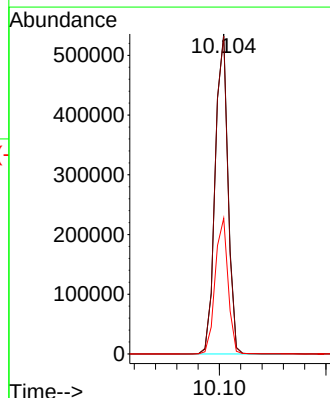
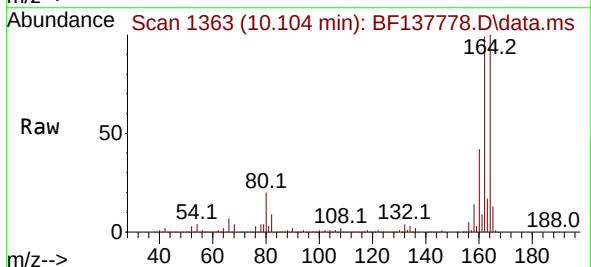
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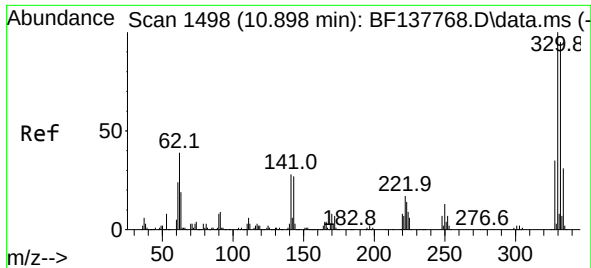
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

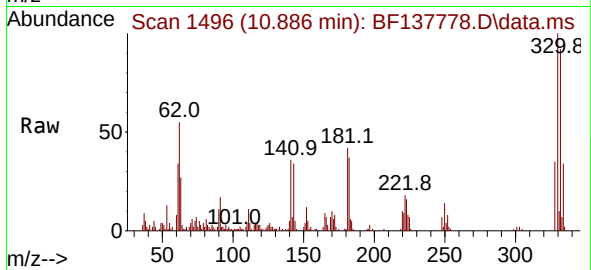
Tgt Ion:164 Resp: 444667
Ion Ratio Lower Upper
164 100
162 99.3 79.8 119.6
160 42.4 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 5.281 ng
RT: 10.886 min Scan# 1498
Delta R.T. -0.012 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

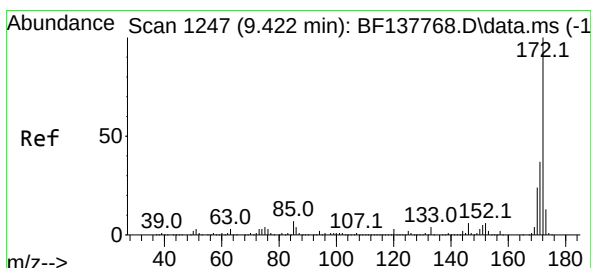
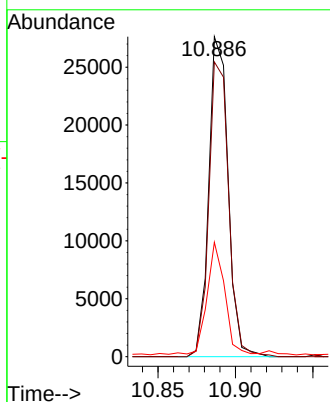
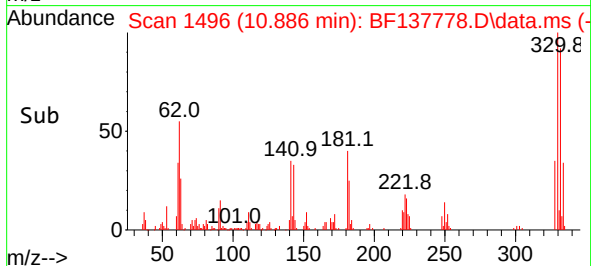
Instrument :
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ClientSampleId :
SU-02-042924



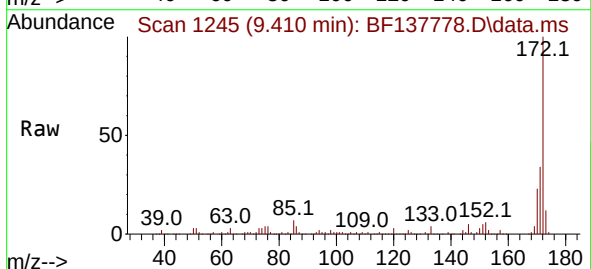
Tgt Ion: 330 Resp: 23975
Ion Ratio Lower Upper
330 100
332 94.6 77.3 115.9
141 32.5 23.8 35.6

Manual Integrations
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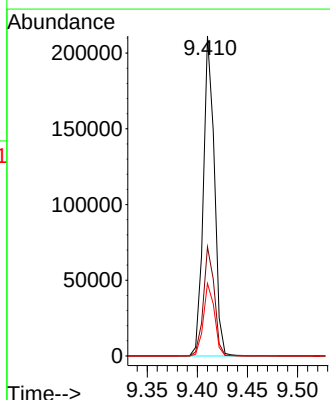
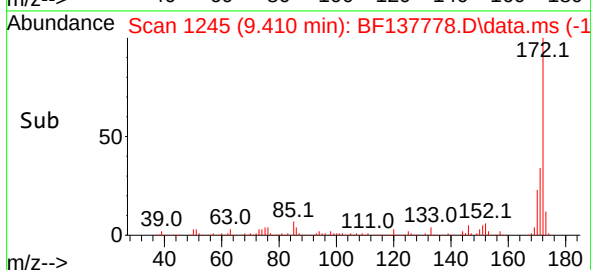
Reviewed By : Jagrut Upadhyay 05/01/2024
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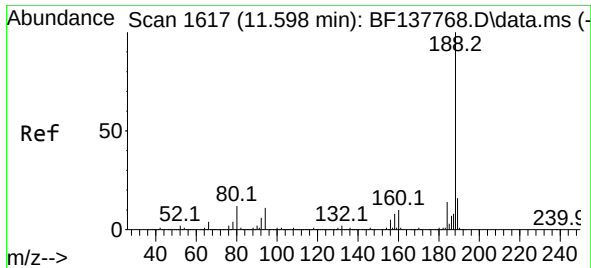


#45
2-Fluorobiphenyl
Concen: 5.945 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.012 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02



Tgt Ion: 172 Resp: 162939
Ion Ratio Lower Upper
172 100
171 34.1 29.6 44.4
170 22.6 19.4 29.2





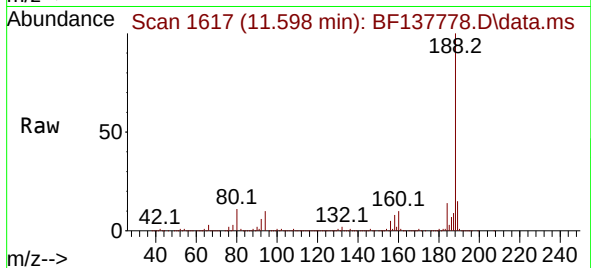
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

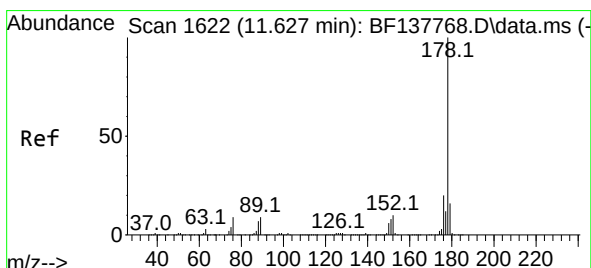
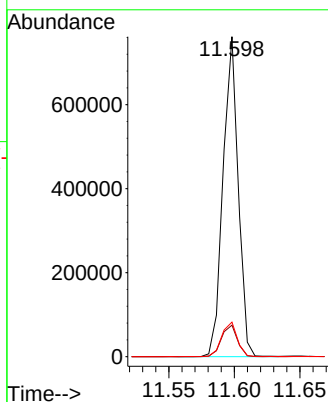
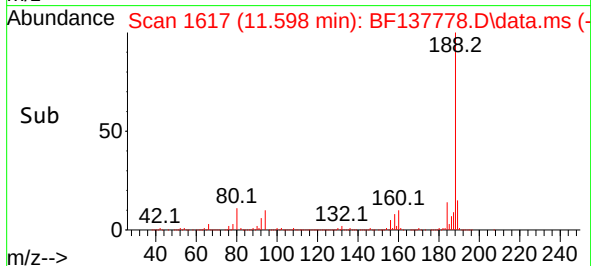


Tgt Ion:188 Resp: 612184
Ion Ratio Lower Upper
188 100
94 9.8 8.8 13.2
80 10.8 9.6 14.4

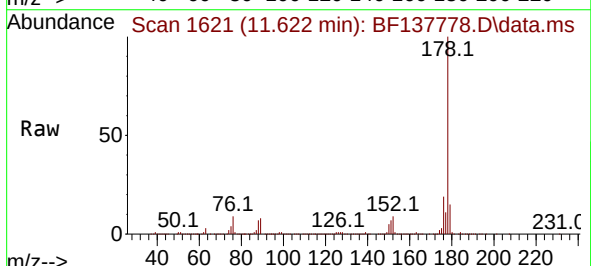
Manual Integrations

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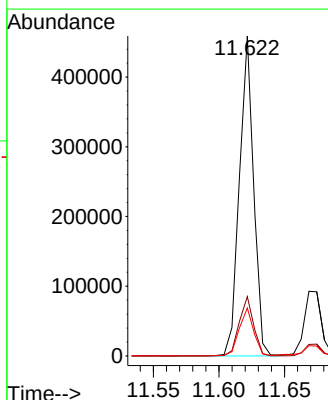
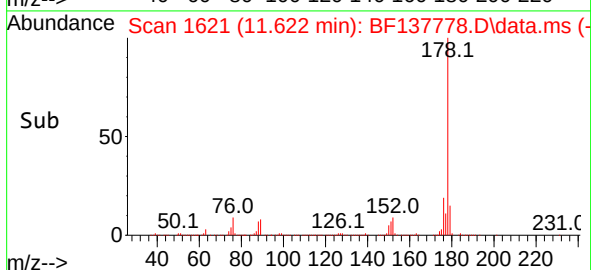
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024

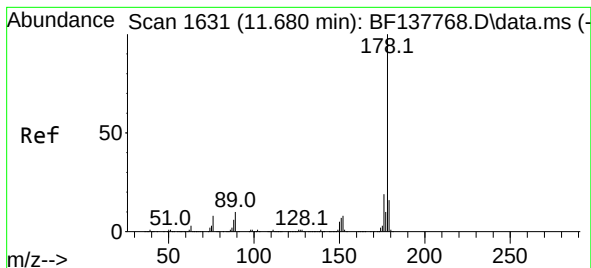


#71
Phenanthrene
Concen: 11.675 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02



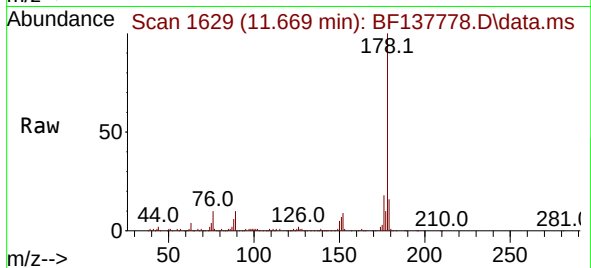
Tgt Ion:178 Resp: 348373
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.0 12.5 18.7





#72
 Anthracene
 Concen: 2.758 ng
 RT: 11.669 min Scan# 1629
 Delta R.T. -0.012 min
 Lab File: BF137778.D
 Acq: 30 Apr 2024 19:02

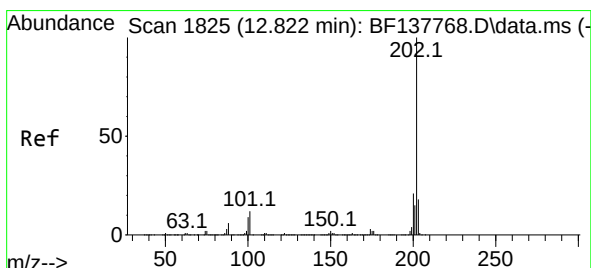
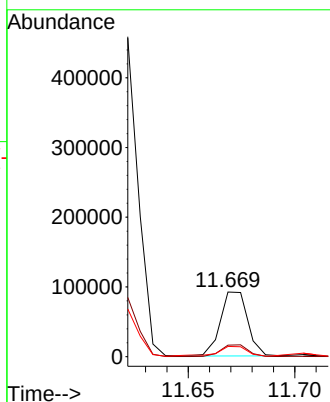
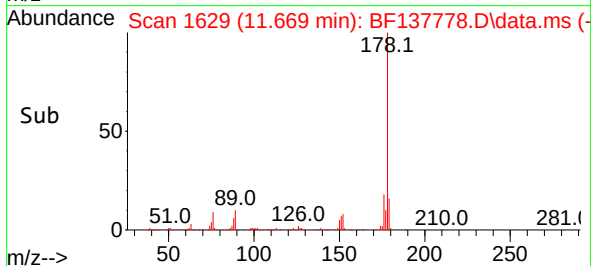
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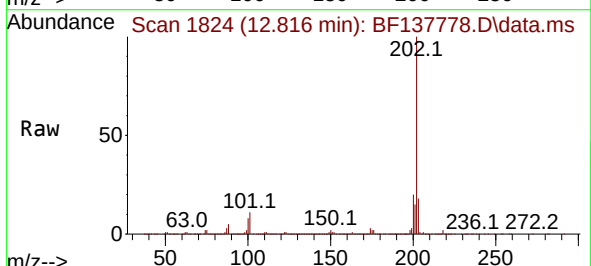
Tgt Ion:178 Resp: 81890
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.2 22.8
 179 15.8 12.6 18.8

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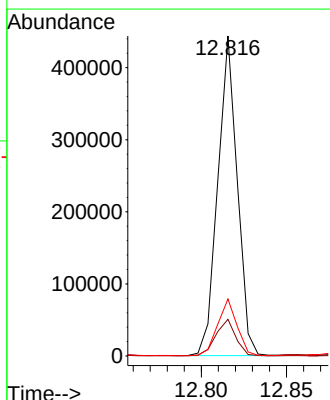
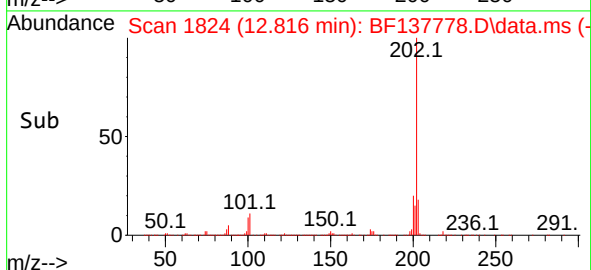
Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024

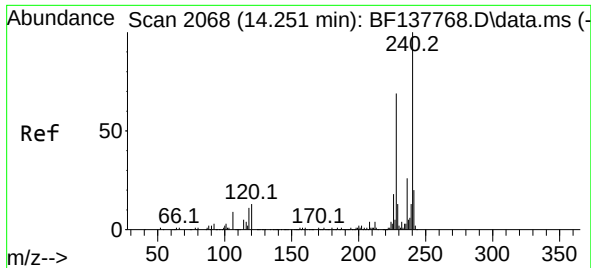


#75
 Fluoranthene
 Concen: 10.826 ng
 RT: 12.816 min Scan# 1824
 Delta R.T. -0.006 min
 Lab File: BF137778.D
 Acq: 30 Apr 2024 19:02



Tgt Ion:202 Resp: 353101
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 31.8
 203 17.8 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

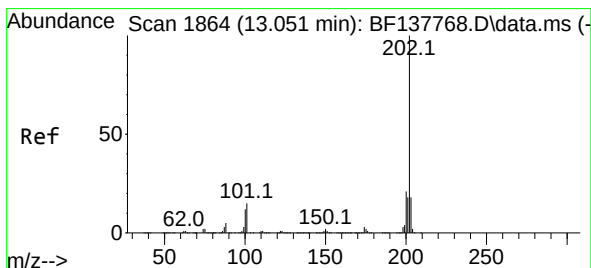
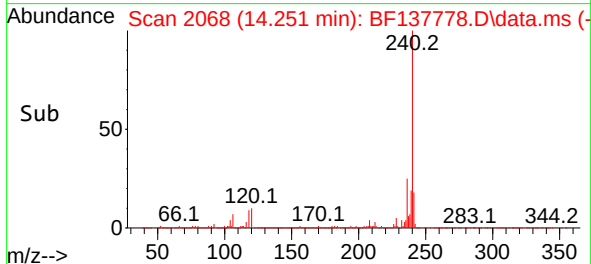
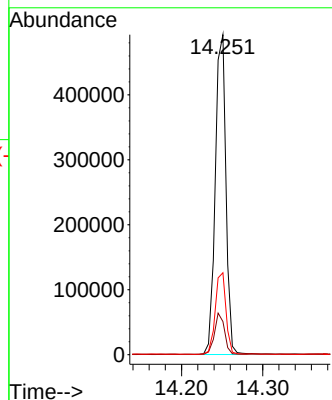
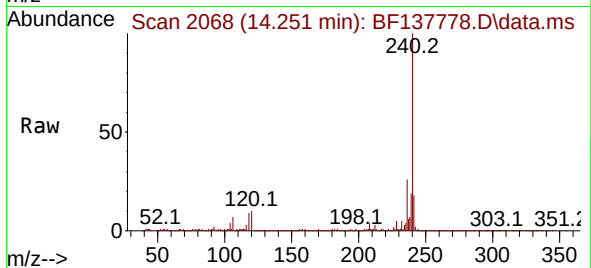
SU-02-042924

Tgt Ion:240 Resp: 448604
Ion Ratio Lower Upper
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120 10.3 10.4 15.6
236 25.6 20.4 30.6

Manual Integrations

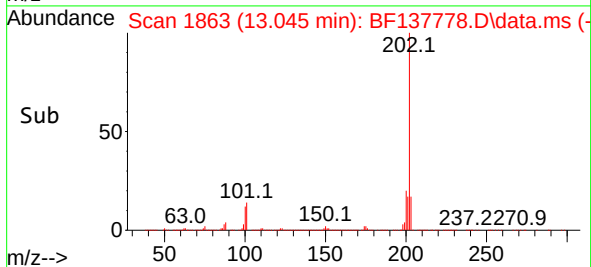
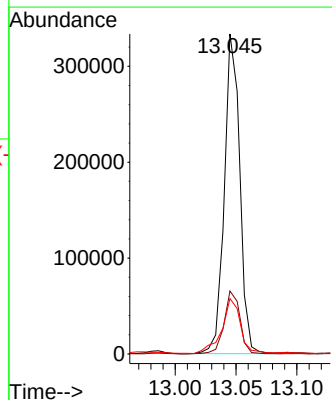
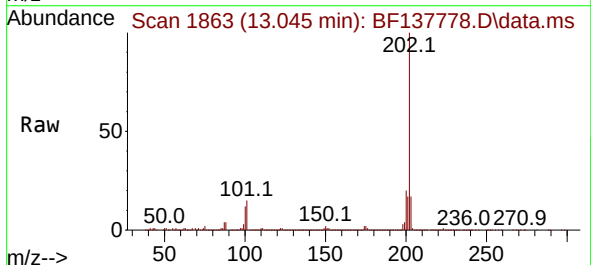
APPROVED

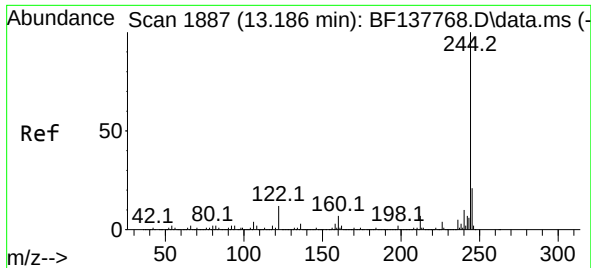
Reviewed By :Jagrut Upadhyay 05/01/2024
Supervised By :mohammad ahmed 05/03/2024



#78
Pyrene
Concen: 8.273 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.006 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Tgt Ion:202 Resp: 294254
Ion Ratio Lower Upper
202 100
200 19.6 17.2 25.8
203 17.3 14.4 21.6





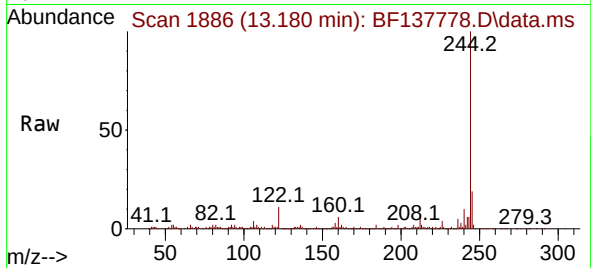
#79
 Terphenyl-d14
 Concen: 4.328 ng
 RT: 13.180 min Scan# 1886
 Delta R.T. -0.006 min
 Lab File: BF137778.D
 Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

SU-02-042924

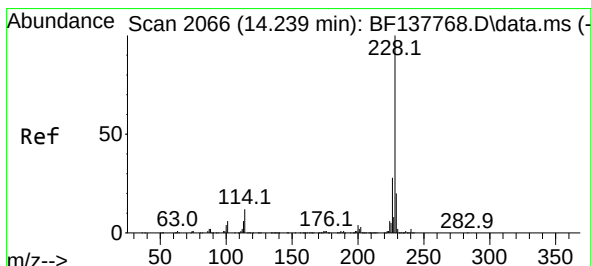
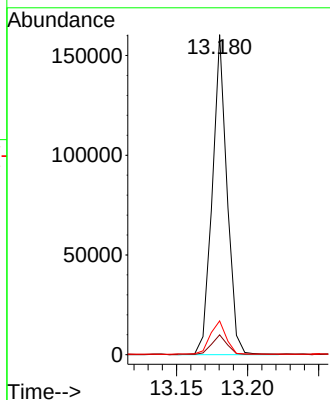
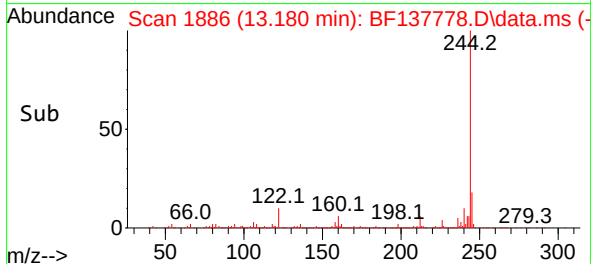


Tgt Ion:244 Resp: 11585
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.5 8.3
 122 10.6 9.4 14.2

Manual Integrations

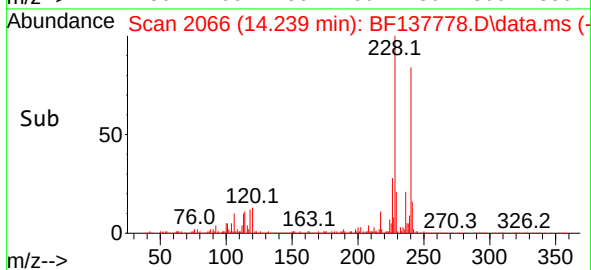
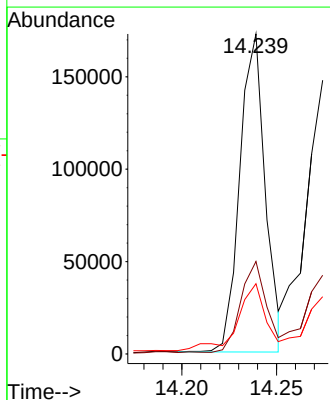
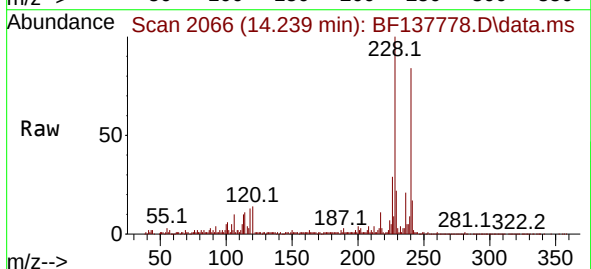
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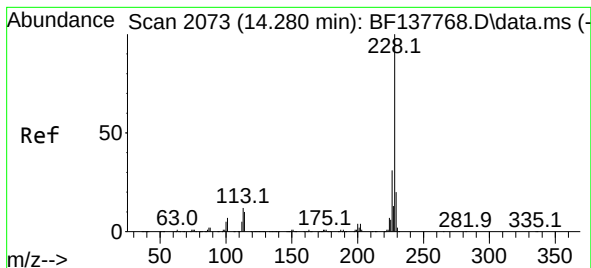
Reviewed By :Jagrut Upadhyay 05/01/2024
 Supervised By :mohammad ahmed 05/03/2024



#81
 Benzo(a)anthracene
 Concen: 5.609 ng
 RT: 14.239 min Scan# 2066
 Delta R.T. 0.000 min
 Lab File: BF137778.D
 Acq: 30 Apr 2024 19:02

Tgt Ion:228 Resp: 160943
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.2 33.2
 229 22.0 16.3 24.5





#83

Chrysene

Concen: 5.432 ng

RT: 14.274 min Scan# 2073

Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

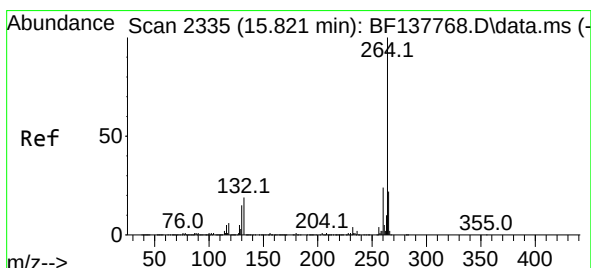
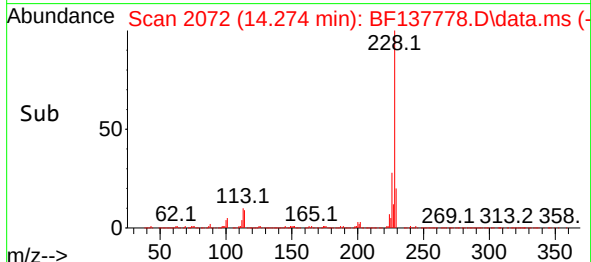
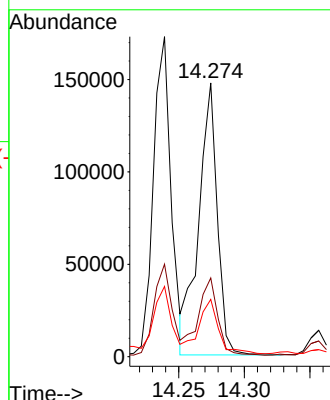
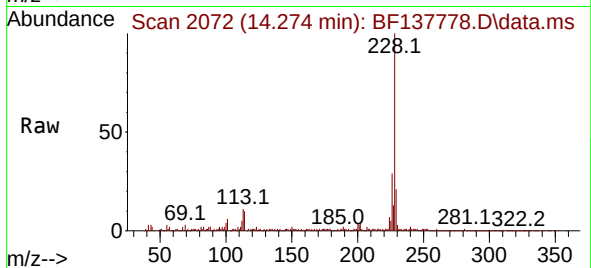
SU-02-042924

Tgt Ion:228	Resp: 14592
Ion Ratio	Lower Upper
228 100	
226 28.8	24.8 37.2
229 20.9	16.0 24.0

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

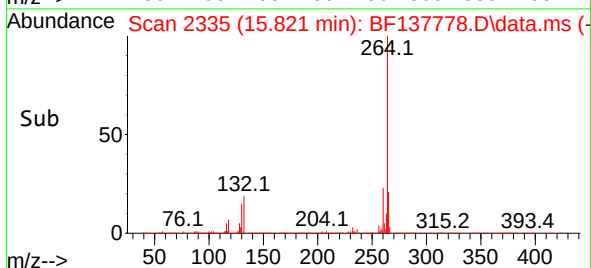
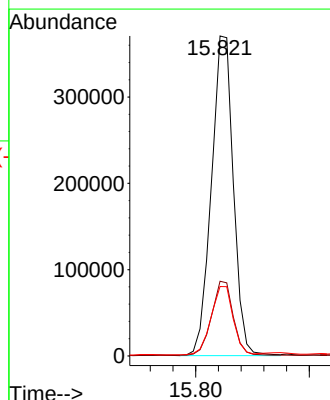
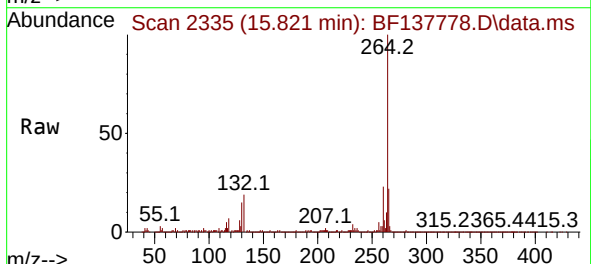
RT: 15.821 min Scan# 2335

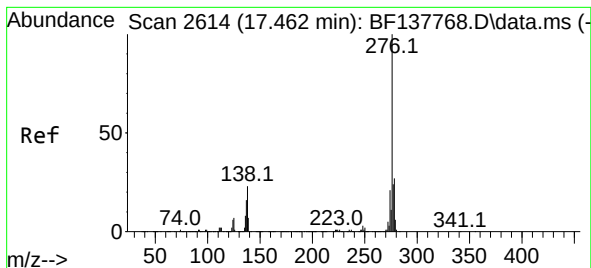
Delta R.T. 0.000 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Tgt Ion:264	Resp: 497743
Ion Ratio	Lower Upper
264 100	
260 23.3	18.9 28.3
265 21.7	17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.114 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

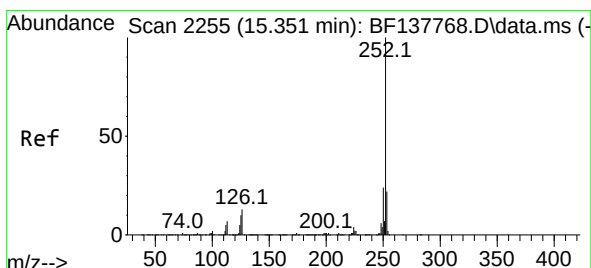
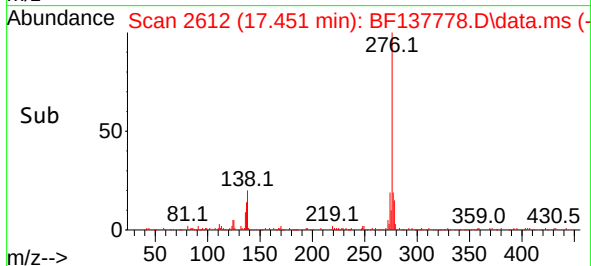
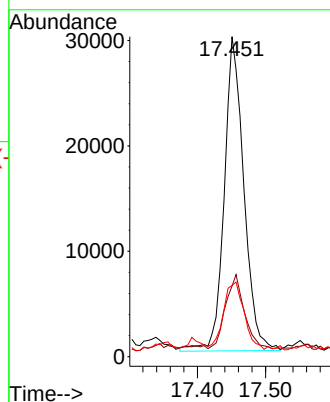
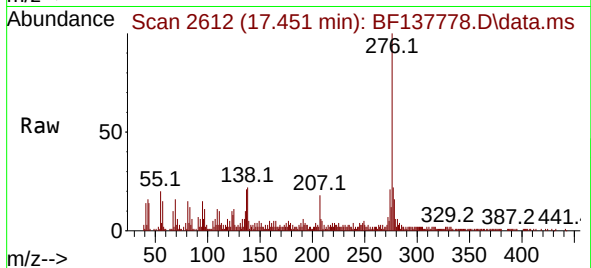
SU-02-042924

Tgt Ion:	276	Resp:	5983
Ion Ratio	Lower	Upper	
276	100		
138	22.6	21.4	32.0
277	22.2	20.1	30.1

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 5.392 ng m

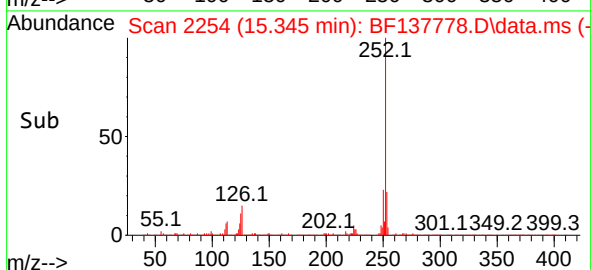
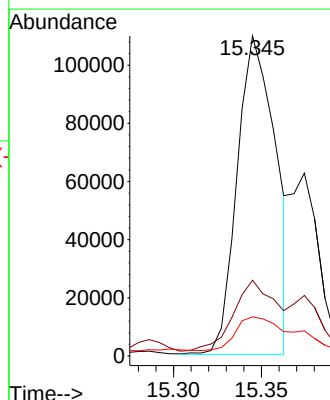
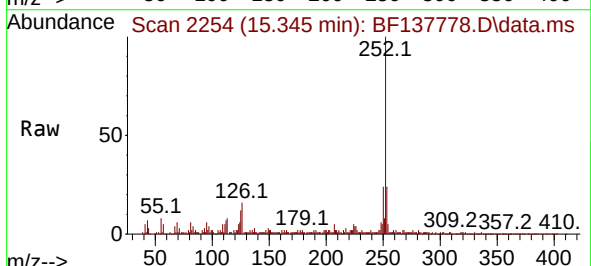
RT: 15.345 min Scan# 2254

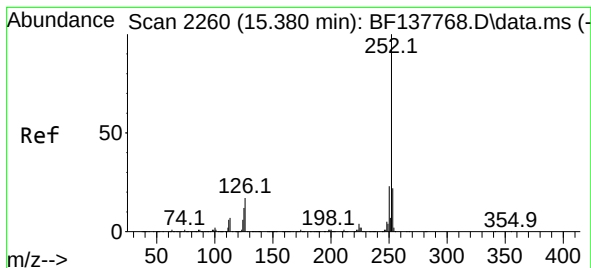
Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Tgt Ion:	252	Resp:	166980
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.5	26.3
125	12.2	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 2.283 ng m

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

Instrument :

BNA_F

ClientSampleId :

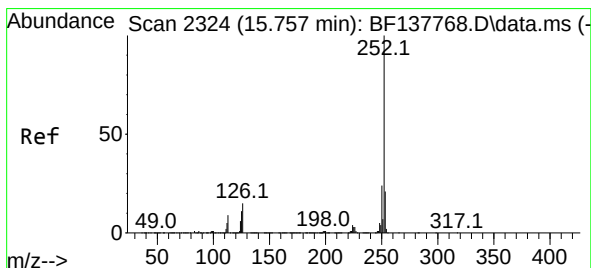
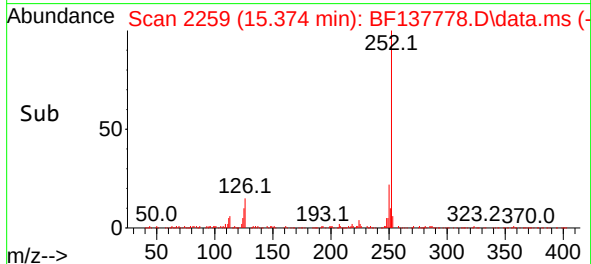
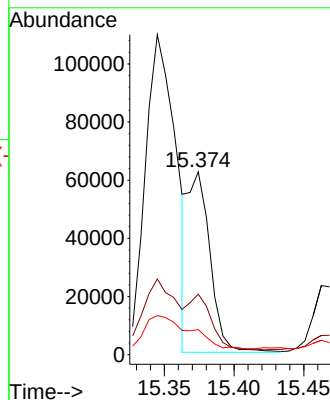
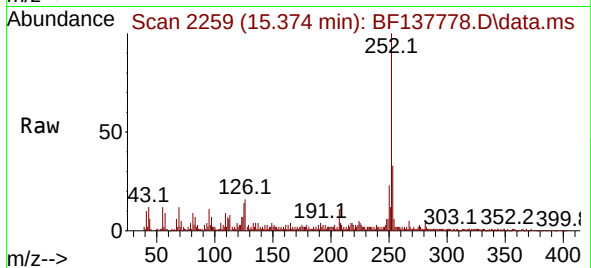
SU-02-042924

Tgt Ion:252 Resp: 6834
 Ion Ratio Lower Upper
 252 100
 253 33.1 17.5 26.3
 125 13.8 9.0 13.4

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 4.860 ng

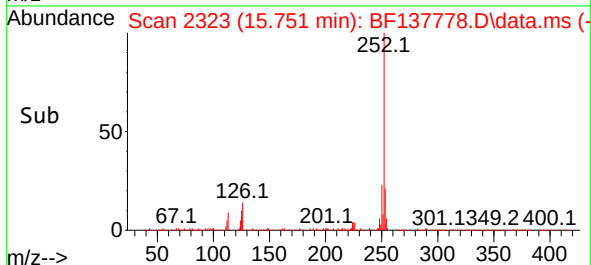
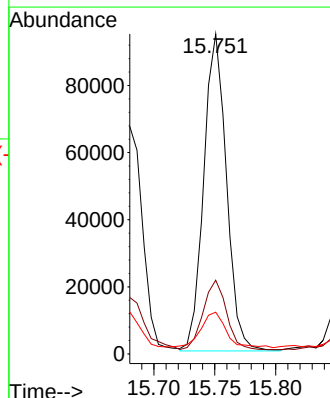
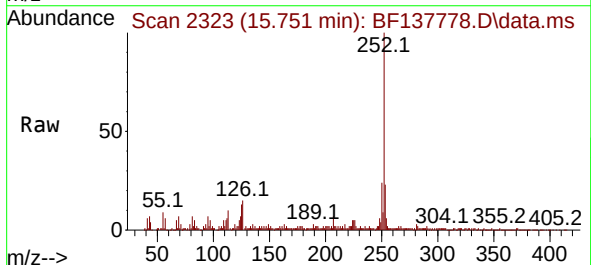
RT: 15.751 min Scan# 2323

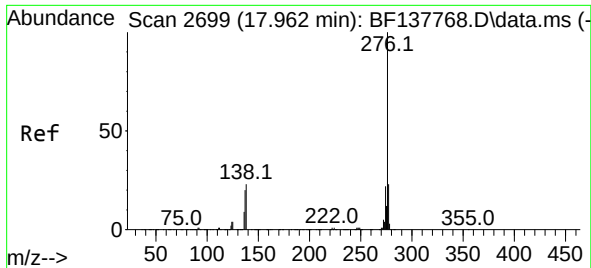
Delta R.T. -0.006 min

Lab File: BF137778.D

Acq: 30 Apr 2024 19:02

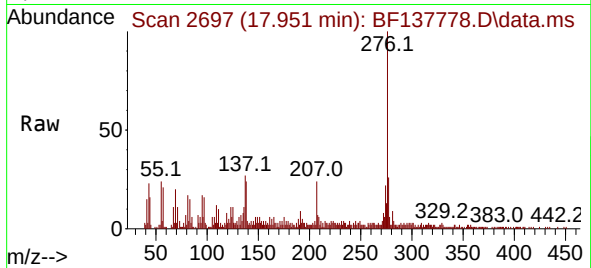
Tgt Ion:252 Resp: 122775
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 13.1 9.0 13.6





#92
Benzo(g,h,i)perylene
Concen: 2.124 ng
RT: 17.951 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF137778.D
Acq: 30 Apr 2024 19:02

Instrument :
BNA_F
ClientSampleId :
SU-02-042924



Tgt Ion: 276 Resp: 51294
Ion Ratio Lower Upper
276 100
277 25.8 18.0 27.0
138 23.9 18.1 27.1

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

