

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137606.D
 Acq On : 14 Mar 2024 22:50
 Operator : CG\JU
 Sample : P1746-17
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-2.0-4.5

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/15/2024
 Supervised By :mohammad ahmed 03/16/2024

Quant Time: Mar 15 02:05:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	130811	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	489571	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	255069	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	411996	20.000	ng	0.00
76) Chrysene-d12	13.874	240	344805	20.000	ng	0.00
86) Perylene-d12	15.298	264	333659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	712855	82.535	ng	0.00
7) Phenol-d6	6.357	99	972877	78.034	ng	-0.01
23) Nitrobenzene-d5	7.287	82	566644	53.779	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	172326	76.933	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	923714	56.688	ng	0.00
79) Terphenyl-d14	12.822	244	871004	34.736	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	167398	7.466	ng	98
75) Fluoranthene	12.451	202	462846	21.118	ng	97
78) Pyrene	12.680	202	415610	12.284	ng	98
81) Benzo(a)anthracene	13.863	228	250707	10.374	ng	94
83) Chrysene	13.898	228	255350	10.454	ng	97
87) Indeno(1,2,3-cd)pyrene	16.680	276	95062	4.329	ng	94
88) Benzo(b)fluoranthene	14.892	252	327962m	16.616	ng	
89) Benzo(k)fluoranthene	14.916	252	93615m	4.416	ng	
90) Benzo(a)pyrene	15.239	252	201156	10.342	ng	99
92) Benzo(g,h,i)perylene	17.098	276	87477	4.782	ng	97

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

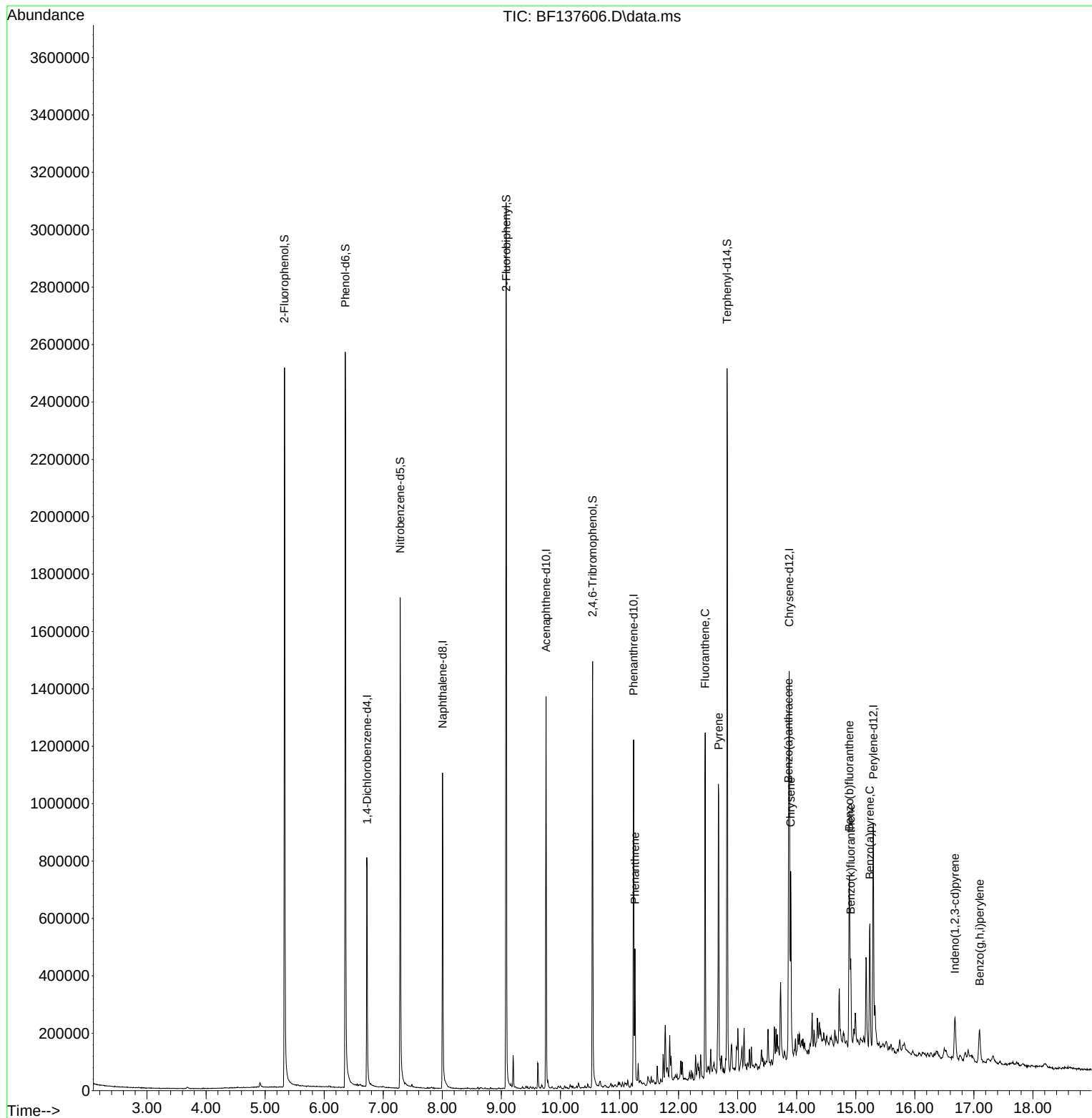
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
Data File : BF137606.D
Acq On : 14 Mar 2024 22:50
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ALS Vial : 19 Sample Multiplier: 1

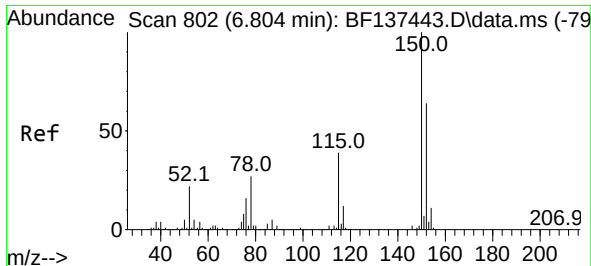
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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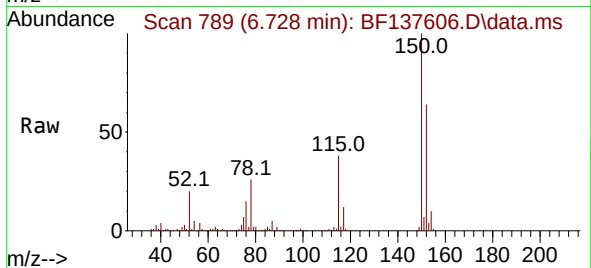
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

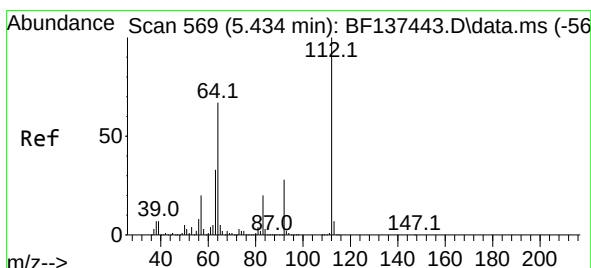
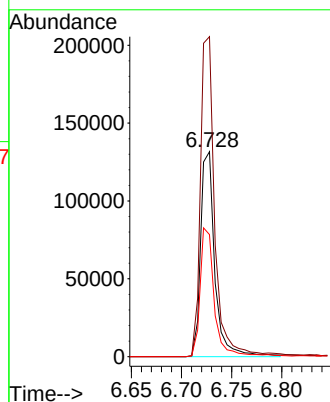
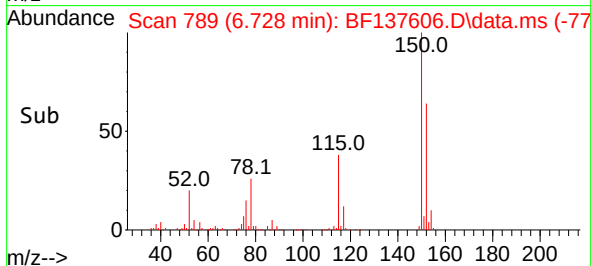


Tgt Ion:152 Resp: 13081
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 59.6 48.8 73.2

Manual Integrations

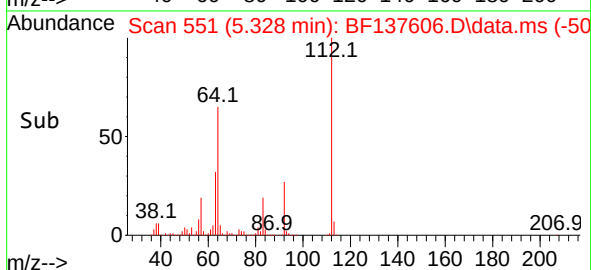
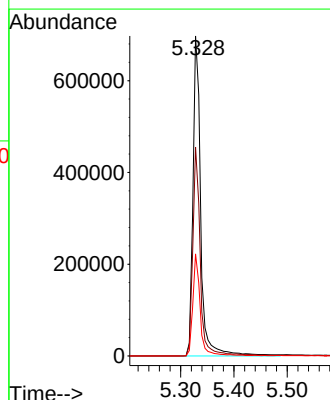
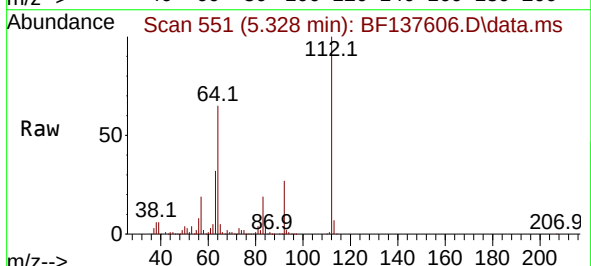
APPROVED

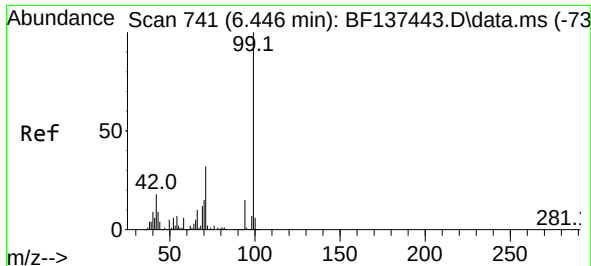
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#5
2-Fluorophenol
Concen: 82.535 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

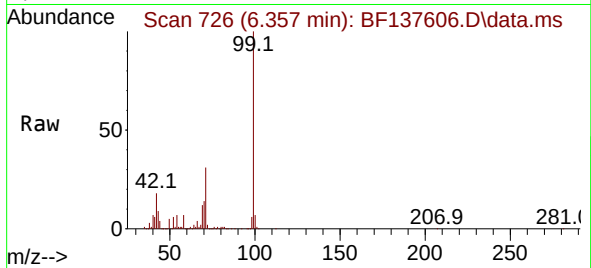
Tgt Ion:112 Resp: 712855
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 31.9 26.2 39.2





#7
Phenol-d6
Concen: 78.034 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

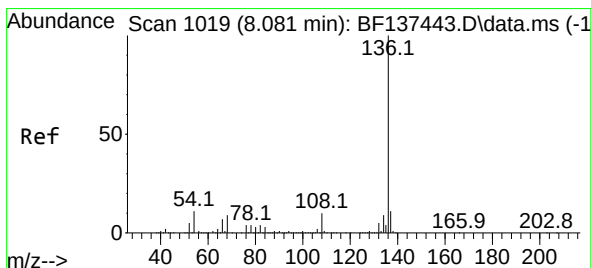
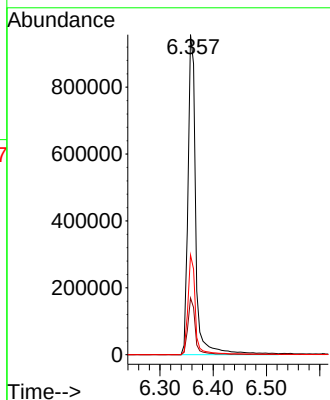
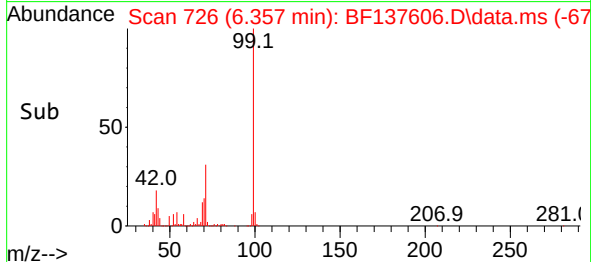
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5



Tgt Ion: 99 Resp: 97287
Ion Ratio Lower Upper
99 100
42 17.7 14.6 21.8
71 31.2 25.3 37.9

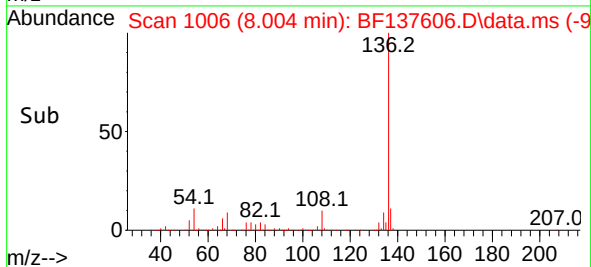
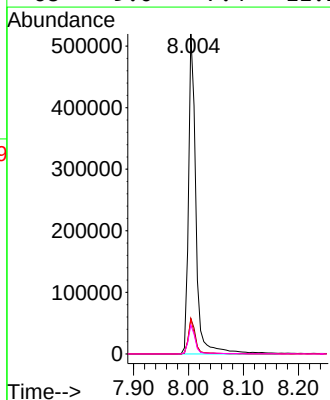
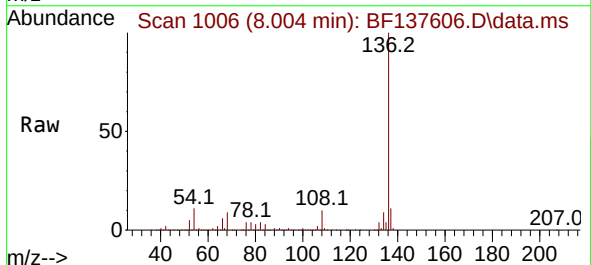
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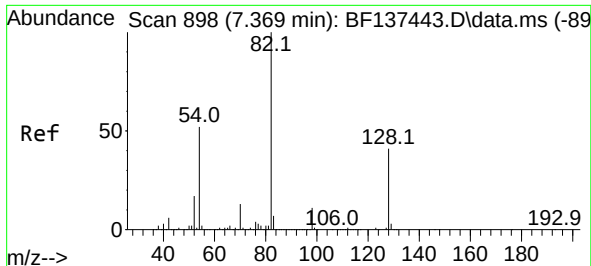
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

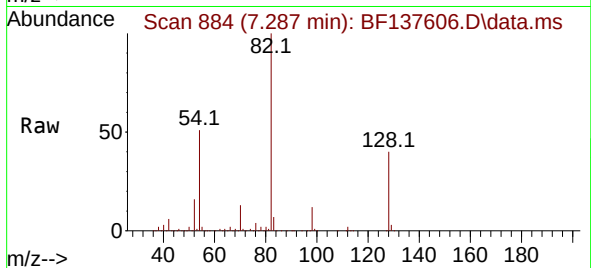
Tgt Ion:136 Resp: 489571
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 10.9 8.5 12.7
68 9.0 7.4 11.2





#23
Nitrobenzene-d5
Concen: 53.779 ng
RT: 7.287 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

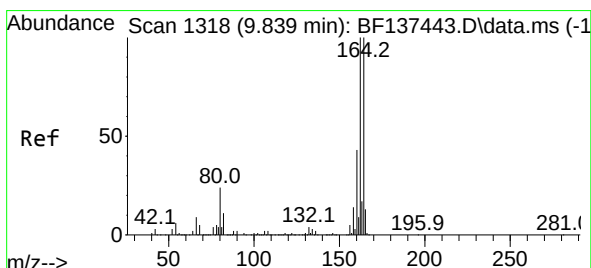
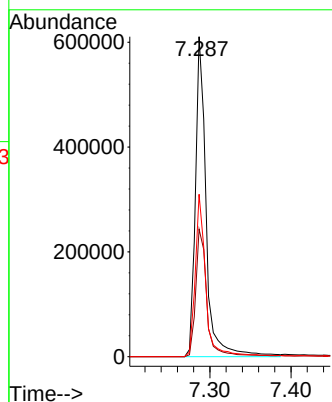
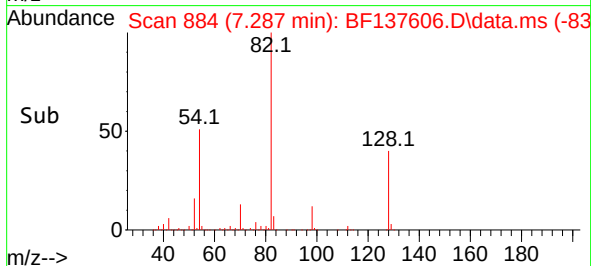
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5



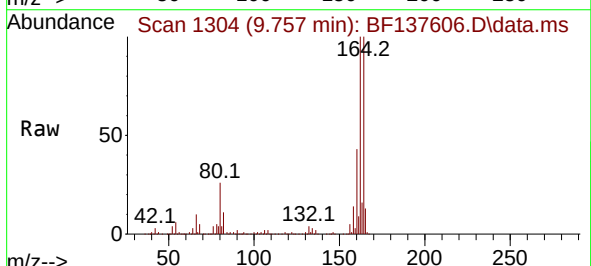
Tgt Ion: 82 Resp: 566644
Ion Ratio Lower Upper
82 100
128 39.8 32.5 48.7
54 50.8 41.5 62.3

Manual Integrations
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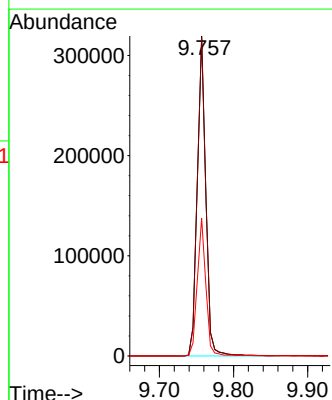
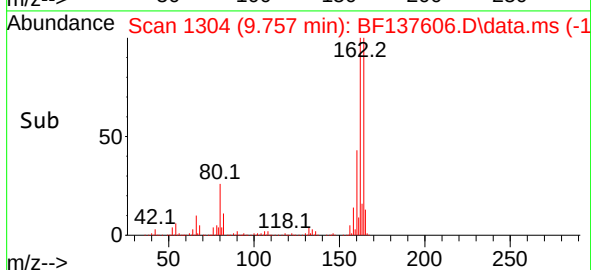
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024

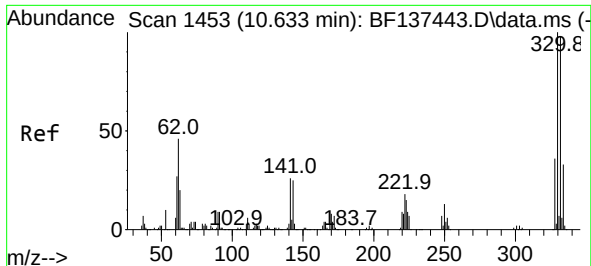


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50



Tgt Ion:164 Resp: 255069
Ion Ratio Lower Upper
164 100
162 99.5 79.8 119.8
160 43.1 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 76.933 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

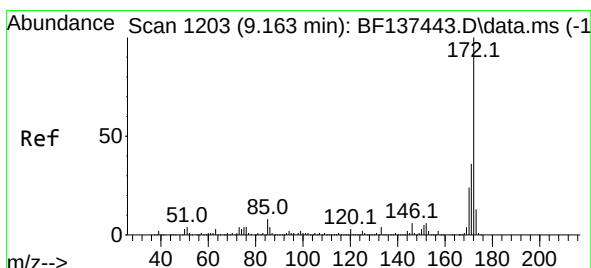
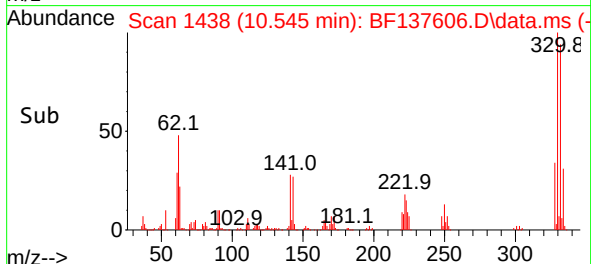
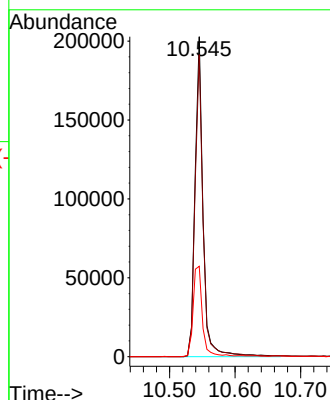
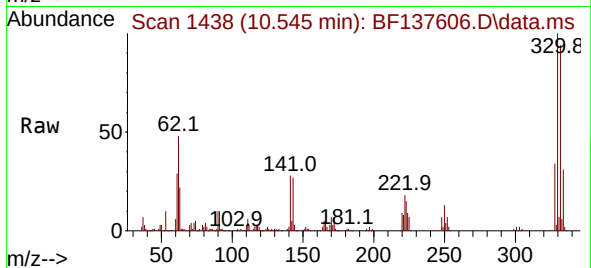
SB-05-2.0-4.5

Tgt Ion:330 Resp: 172320
Ion Ratio Lower Upper
330 100
332 94.9 78.0 117.0
141 33.2 27.3 40.9

Manual Integrations

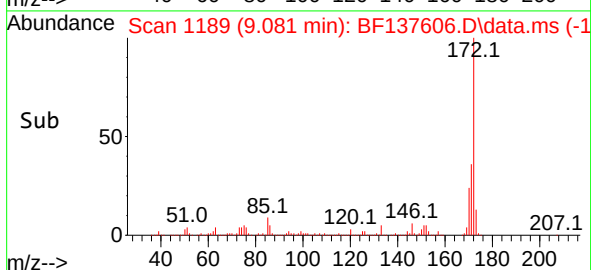
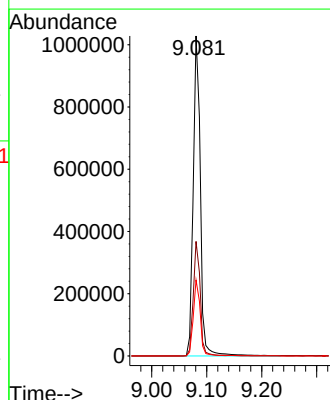
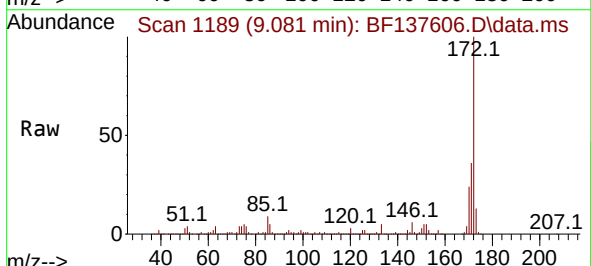
APPROVED

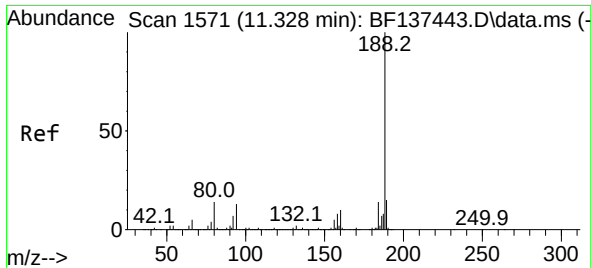
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#45
2-Fluorobiphenyl
Concen: 56.688 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion:172 Resp: 923714
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.8 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

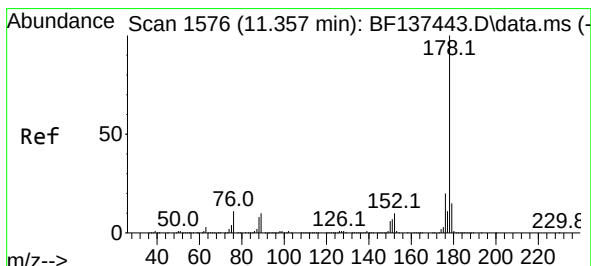
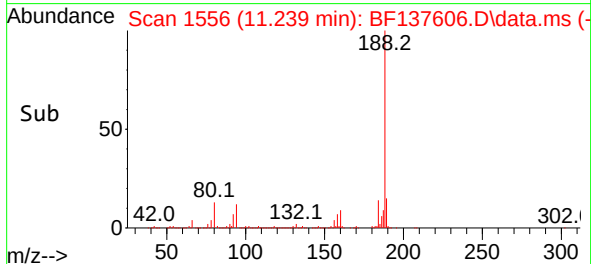
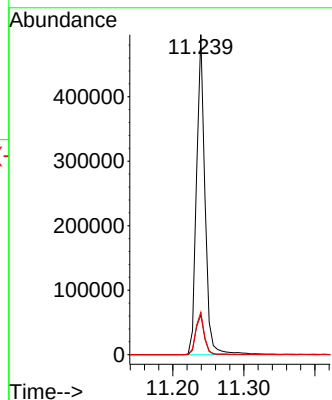
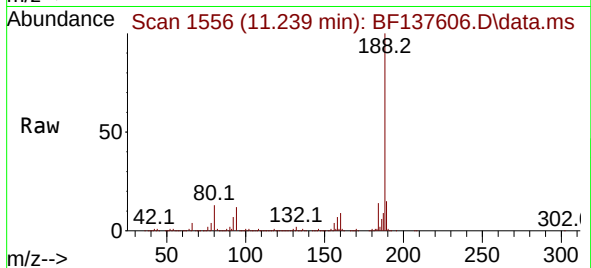
SB-05-2.0-4.5

Tgt Ion:188 Resp: 411990
Ion Ratio Lower Upper
188 100
94 12.4 10.6 15.8
80 13.3 11.5 17.3

Manual Integrations

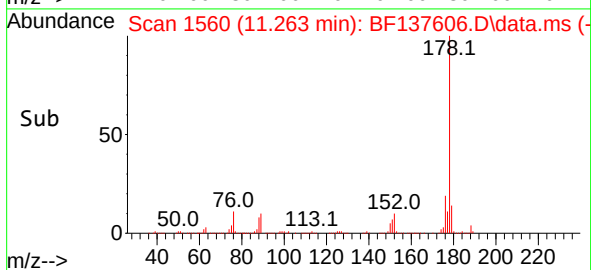
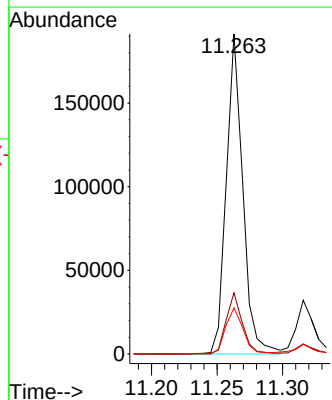
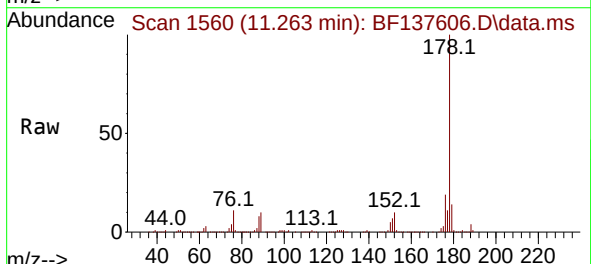
APPROVED

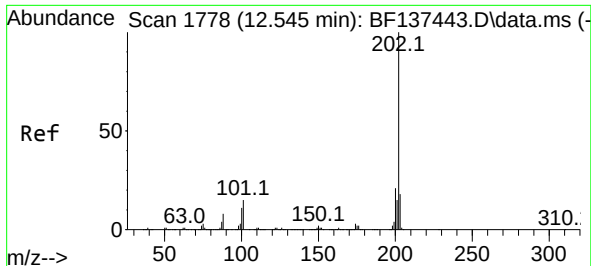
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#71
Phenanthrene
Concen: 7.466 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

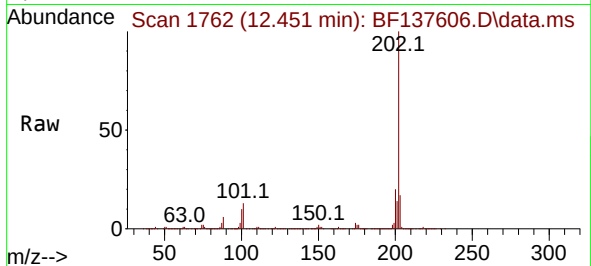
Tgt Ion:178 Resp: 167398
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.4 12.2 18.2





#75
Fluoranthene
Concen: 21.118 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

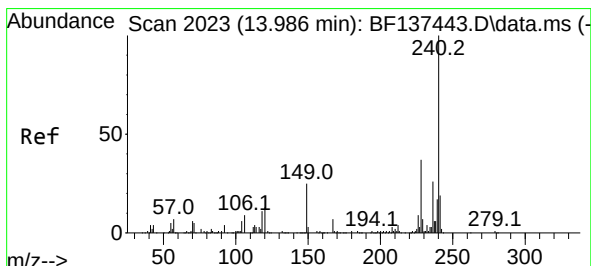
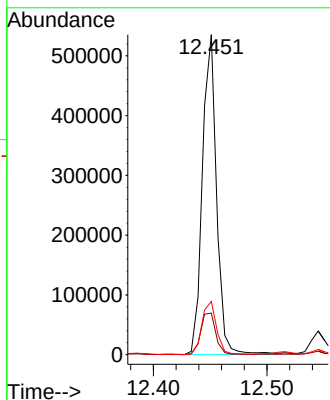
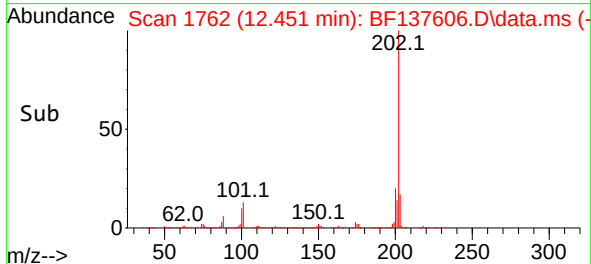
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5



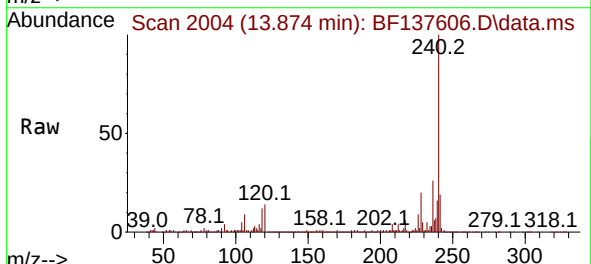
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Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.0
203 16.7 0.0 37.7

Manual Integrations
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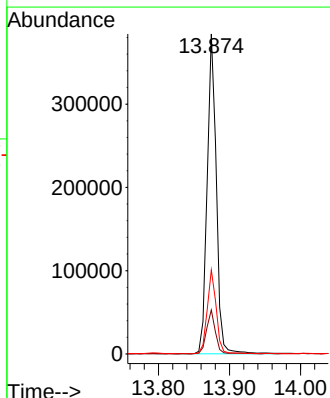
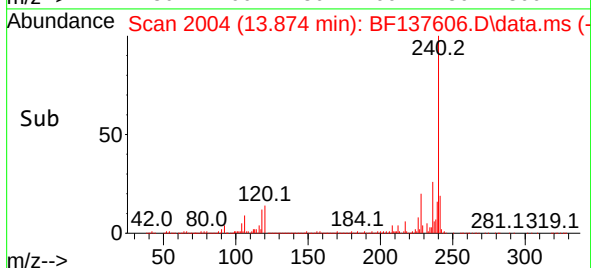
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024

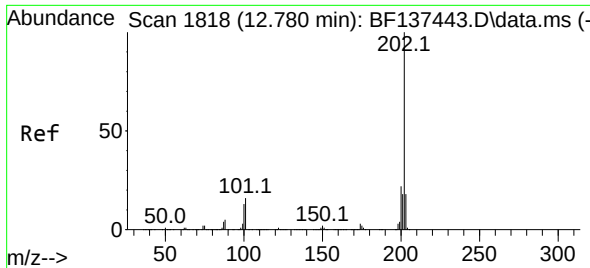


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50



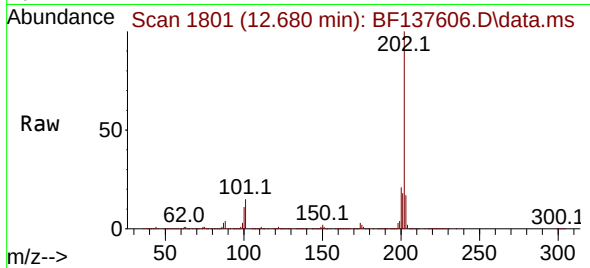
Tgt Ion:240 Resp: 344805
Ion Ratio Lower Upper
240 100
120 13.8 10.4 15.6
236 26.3 20.9 31.3





#78
Pyrene
Concen: 12.284 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

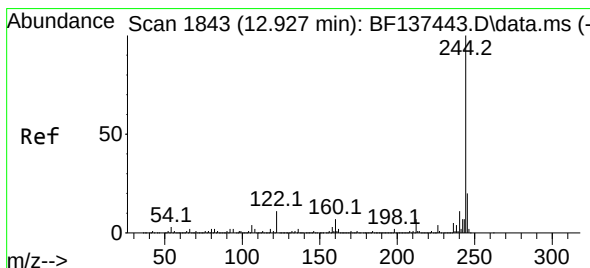
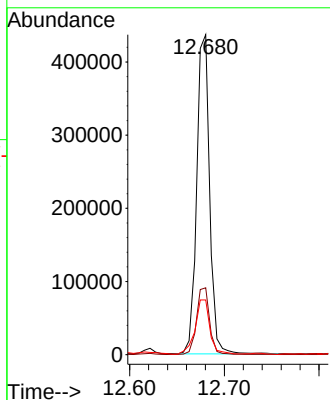
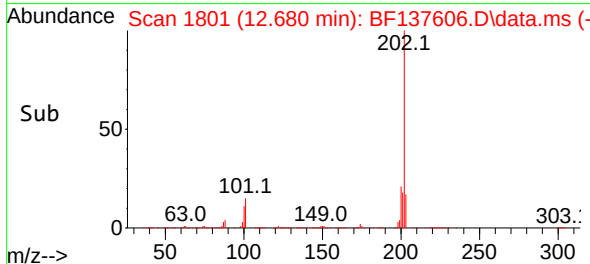
Instrument :
BNA_F
ClientSampleId :
SB-05-2.0-4.5



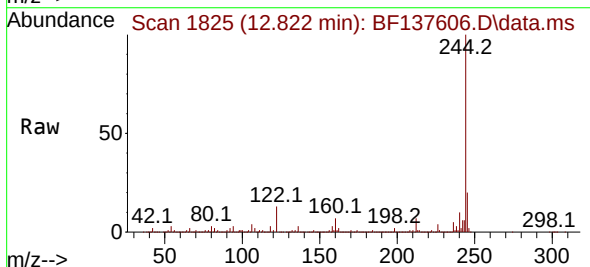
Tgt Ion:202 Resp: 415610
Ion Ratio Lower Upper
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200 20.9 17.4 26.2
203 17.1 14.1 21.1

Manual Integrations
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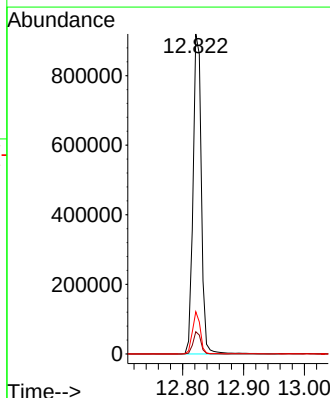
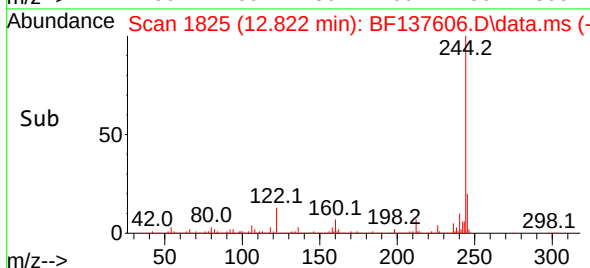
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024

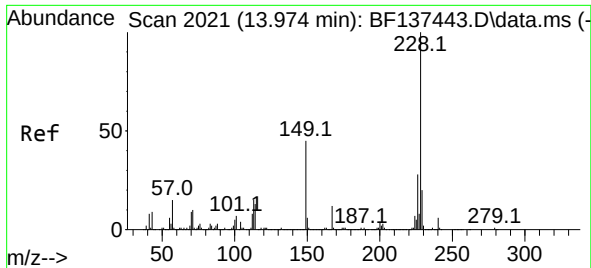


#79
Terphenyl-d14
Concen: 34.736 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50



Tgt Ion:244 Resp: 871004
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 13.2 9.1 13.7





#81
Benzo(a)anthracene
Concen: 10.374 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

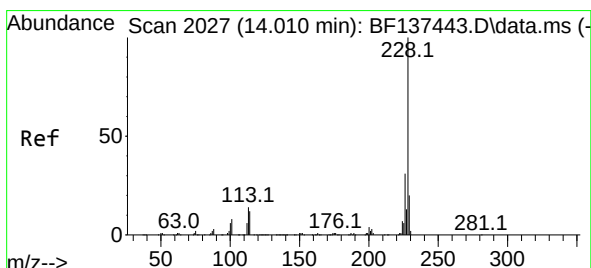
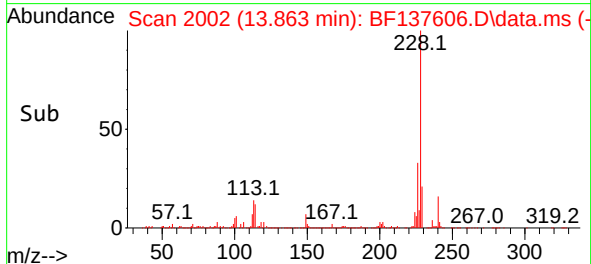
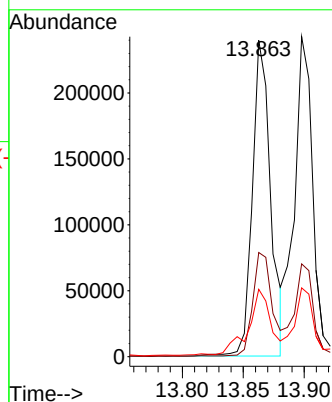
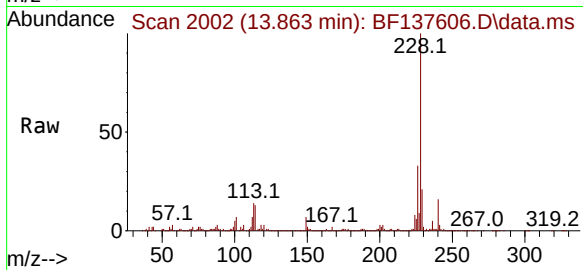
SB-05-2.0-4.5

Tgt Ion:228 Resp: 25070
Ion Ratio Lower Upper
228 100
226 32.9 22.3 33.5
229 21.3 16.3 24.5

Manual Integrations

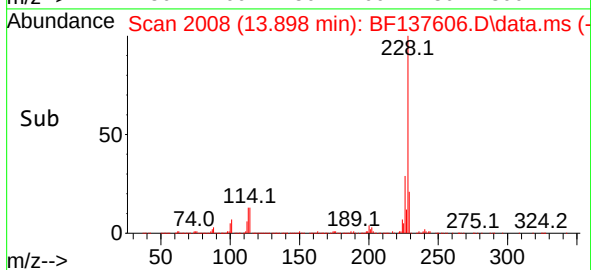
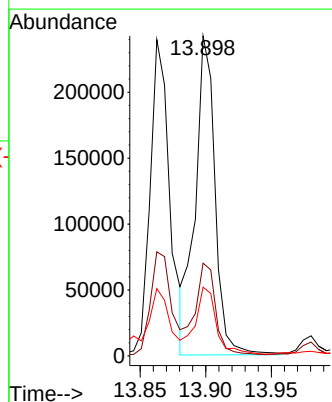
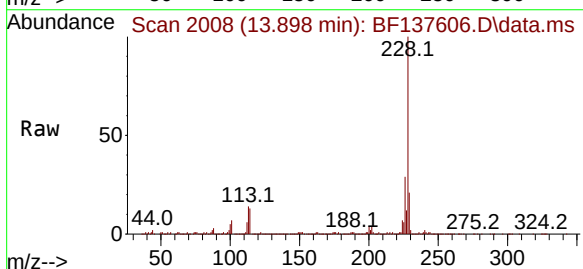
APPROVED

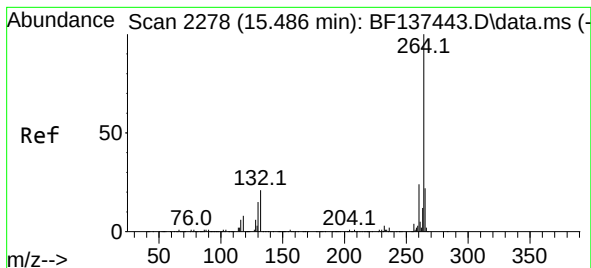
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#83
Chrysene
Concen: 10.454 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion:228 Resp: 255350
Ion Ratio Lower Upper
228 100
226 29.0 24.7 37.1
229 21.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

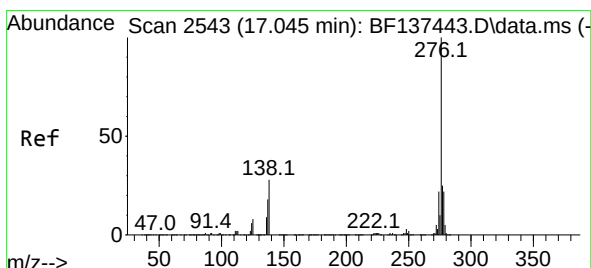
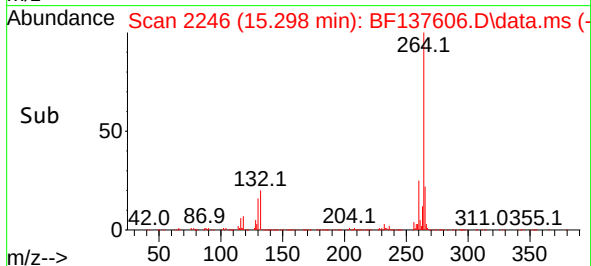
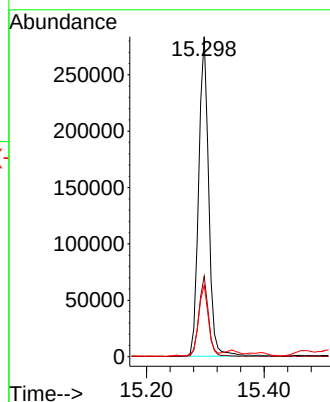
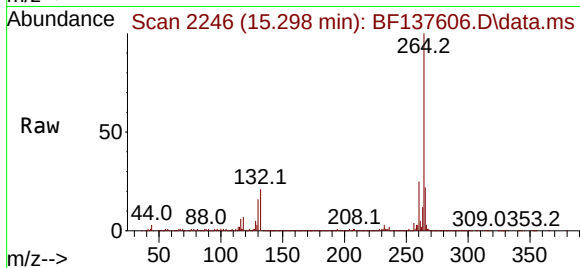
Tgt Ion:264 Resp: 33365

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.3	28.9
265	22.3	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.329 ng

RT: 16.680 min Scan# 2481

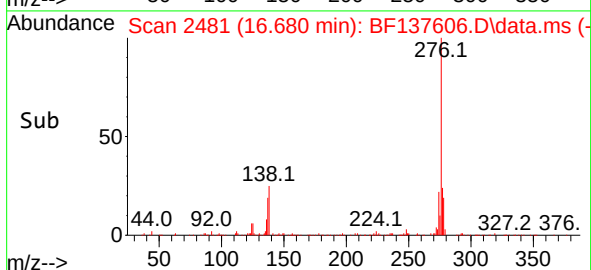
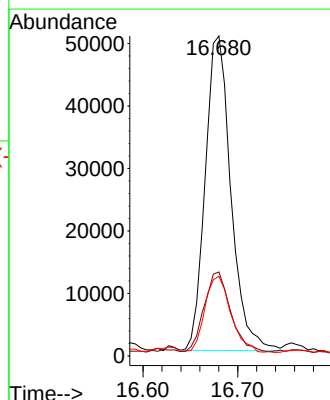
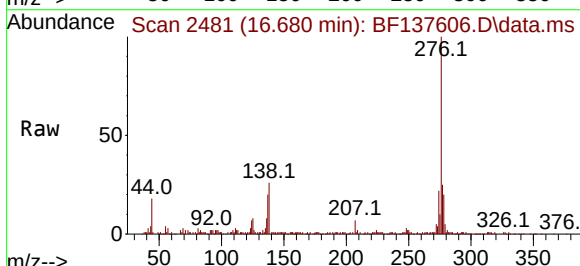
Delta R.T. -0.006 min

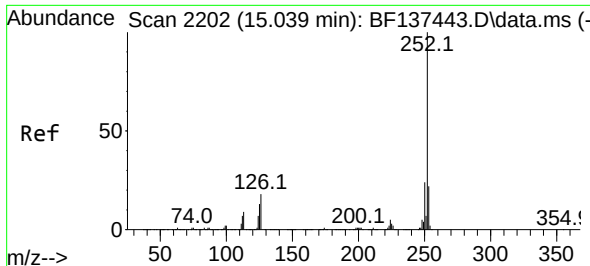
Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Tgt Ion:276 Resp: 95062

Ion	Ratio	Lower	Upper
276	100		
138	26.4	25.8	38.8
277	24.5	20.2	30.2





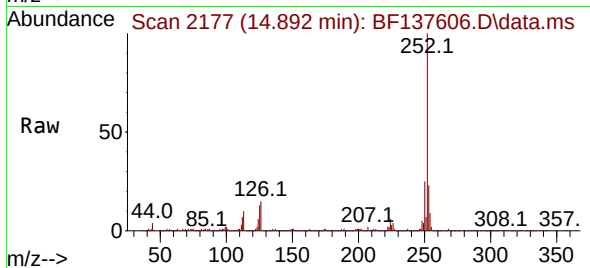
#88
Benzo(b)fluoranthene
Concen: 16.616 ng m
RT: 14.892 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

SB-05-2.0-4.5

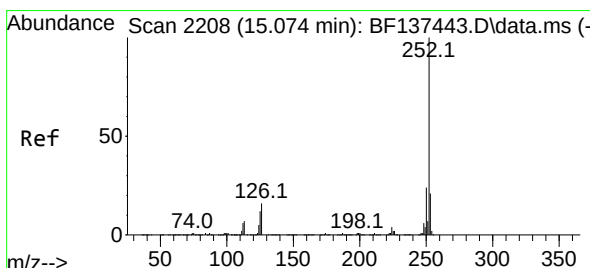
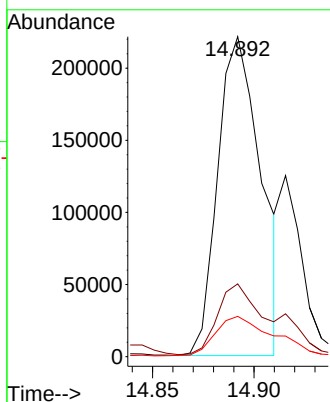
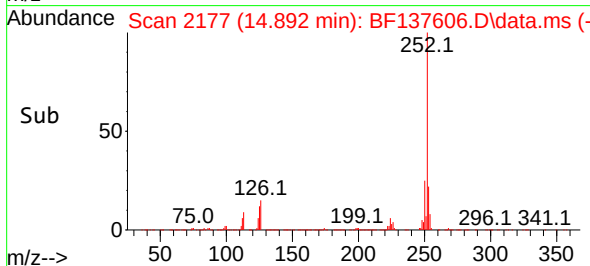


Tgt Ion:252 Resp: 32796
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 12.6 10.1 15.1

Manual Integrations

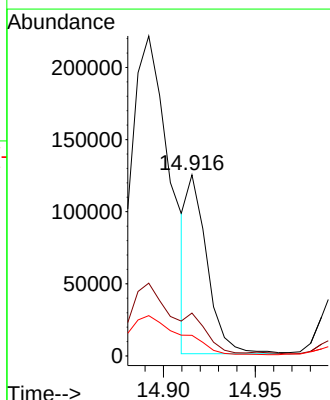
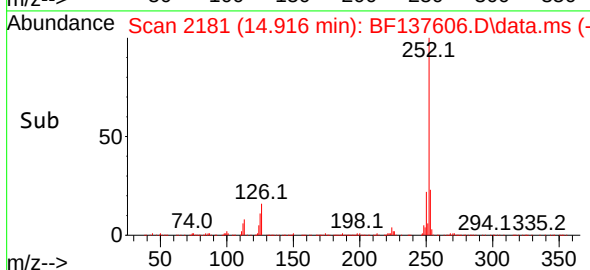
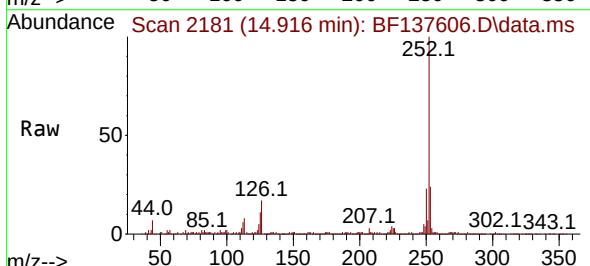
APPROVED

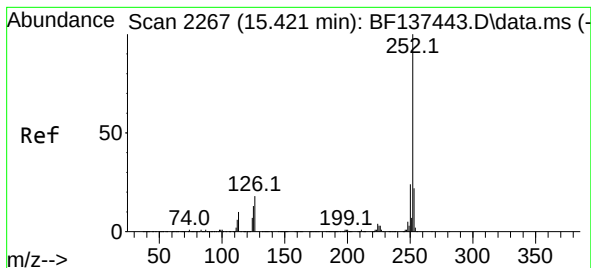
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#89
Benzo(k)fluoranthene
Concen: 4.416 ng m
RT: 14.916 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF137606.D
Acq: 14 Mar 2024 22:50

Tgt Ion:252 Resp: 93615
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 11.4 9.6 14.4





#90

Benzo(a)pyrene

Concen: 10.342 ng

RT: 15.239 min Scan# 20115

Delta R.T. -0.000 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Instrument :

BNA_F

ClientSampleId :

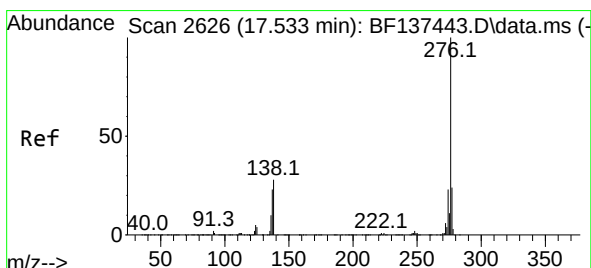
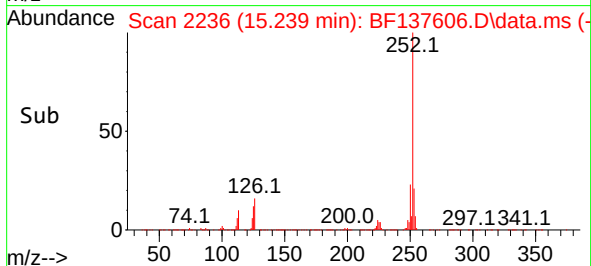
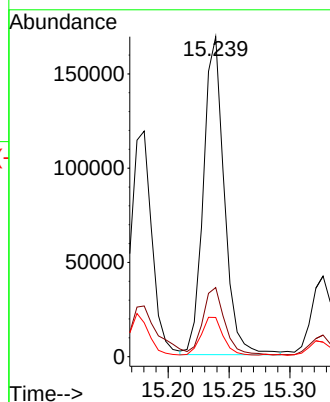
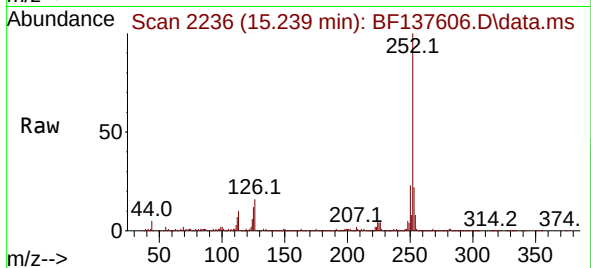
SB-05-2.0-4.5

Tgt Ion:	252	Resp:	20115
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.2
125	12.3	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#92

Benzo(g,h,i)perylene

Concen: 4.782 ng

RT: 17.098 min Scan# 2552

Delta R.T. -0.006 min

Lab File: BF137606.D

Acq: 14 Mar 2024 22:50

Tgt Ion:	276	Resp:	87477
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.4
138	25.1	22.2	33.2

