

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137601.D
 Acq On : 14 Mar 2024 20:26
 Operator : CG\JU
 Sample : P1746-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0-DUP

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 02:02:55 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	134775	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	510426	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	256541	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	405000	20.000	ng	0.00
76) Chrysene-d12	13.874	240	342705	20.000	ng	0.00
86) Perylene-d12	15.292	264	373013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	710394	79.831	ng	0.00
7) Phenol-d6	6.357	99	943168	73.426	ng	-0.01
23) Nitrobenzene-d5	7.287	82	556849	50.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	163911	72.756	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	887699	54.166	ng	0.00
79) Terphenyl-d14	12.822	244	820171	32.909	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	146332	6.639	ng	98
75) Fluoranthene	12.451	202	410053	19.033	ng	96
78) Pyrene	12.674	202	369297	10.982	ng	99
81) Benzo(a)anthracene	13.863	228	227082m	9.454	ng	
83) Chrysene	13.898	228	225460	9.287	ng	99
87) Indeno(1,2,3-cd)pyrene	16.674	276	101878	4.150	ng	95
88) Benzo(b)fluoranthene	14.892	252	292805m	13.270	ng	
89) Benzo(k)fluoranthene	14.916	252	120571m	5.087	ng	
90) Benzo(a)pyrene	15.233	252	201422	9.263	ng	99
92) Benzo(g,h,i)perylene	17.092	276	90763	4.438	ng	98

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

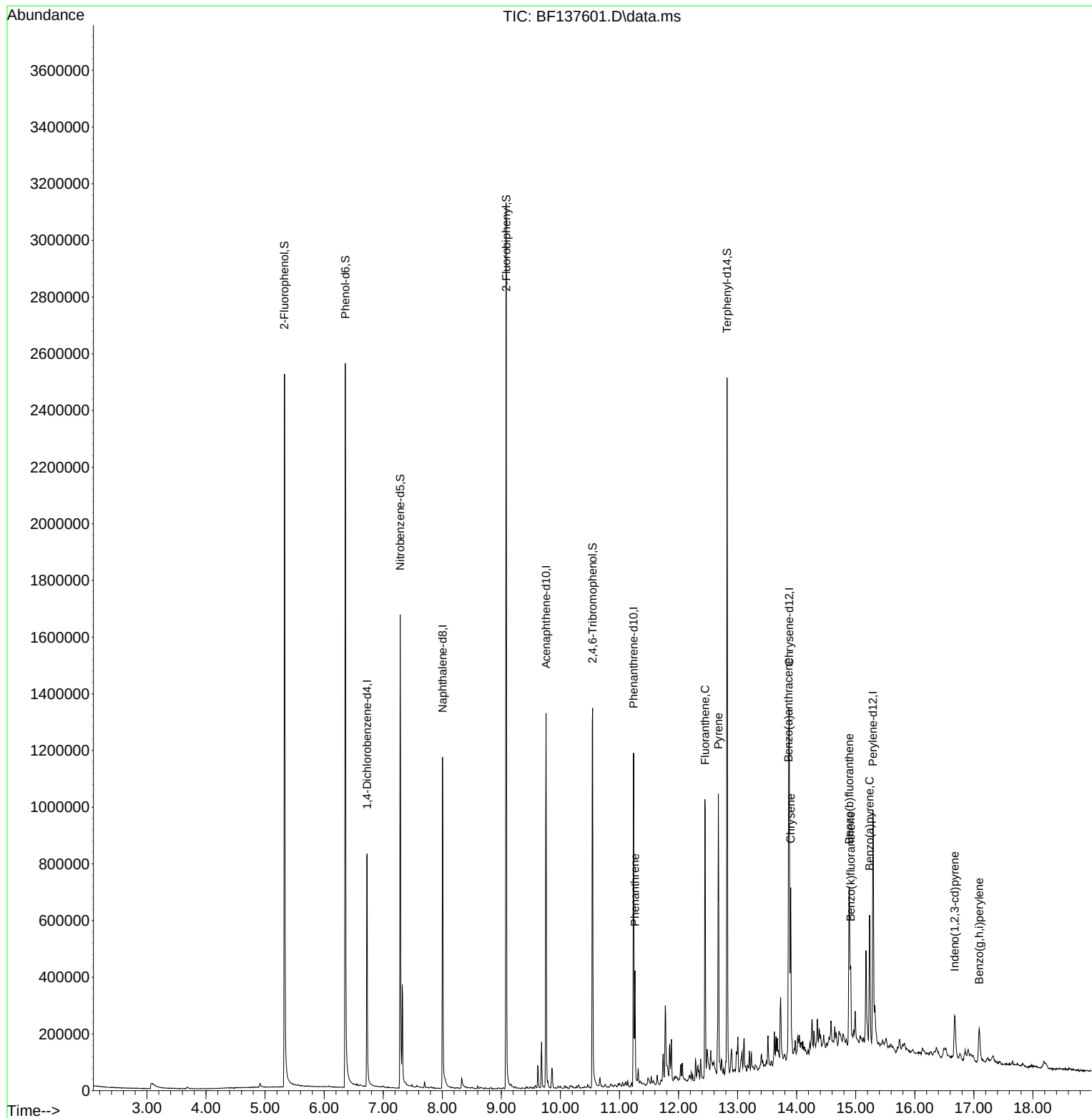
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
Data File : BF137601.D
Acq On : 14 Mar 2024 20:26
Operator : CG\JU
Sample : P1746-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

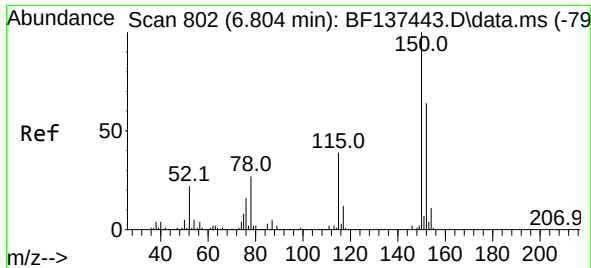
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Quant Time: Mar 15 02:02:55 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
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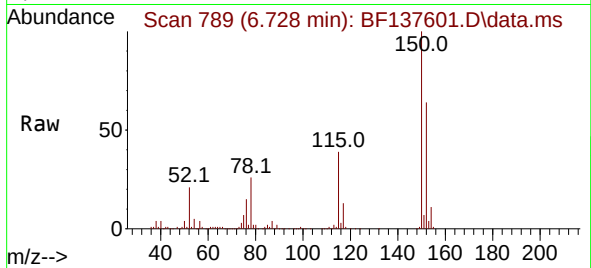
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

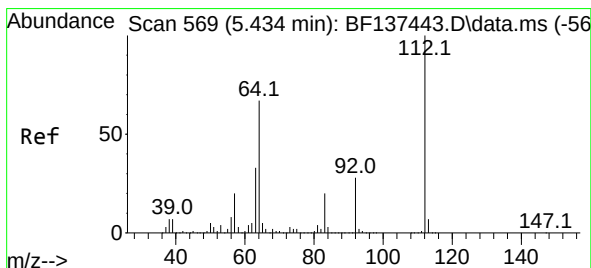
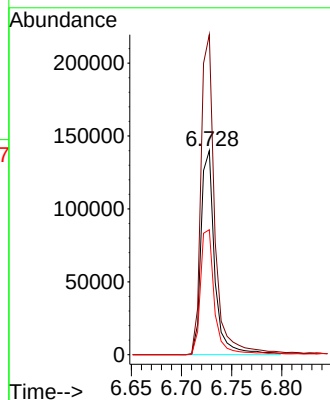
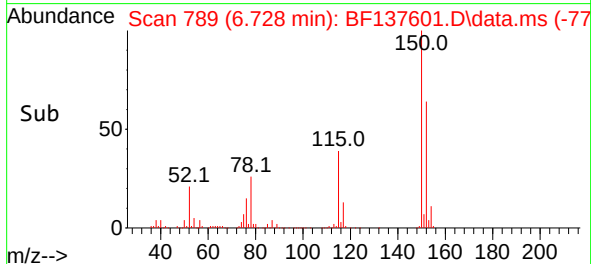
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP



Tgt Ion:152 Resp: 134775
Ion Ratio Lower Upper
152 100
150 156.8 125.8 188.6
115 61.2 48.8 73.2

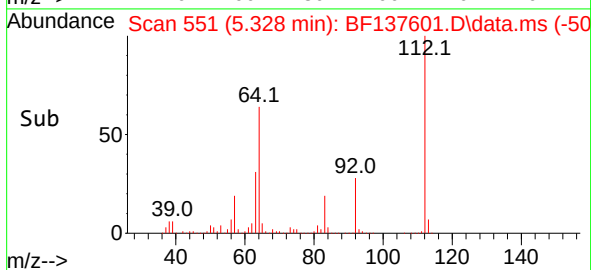
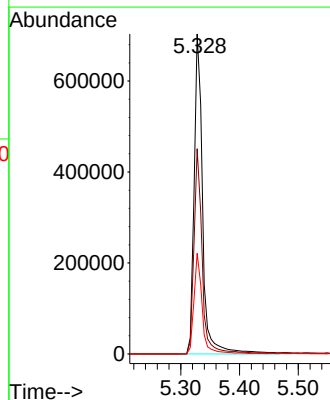
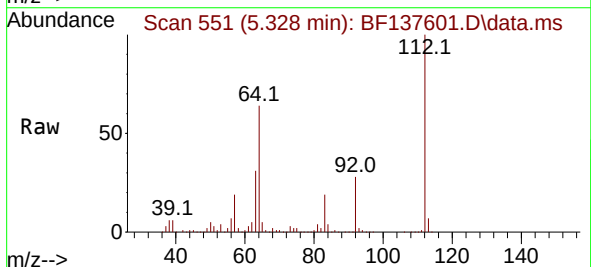
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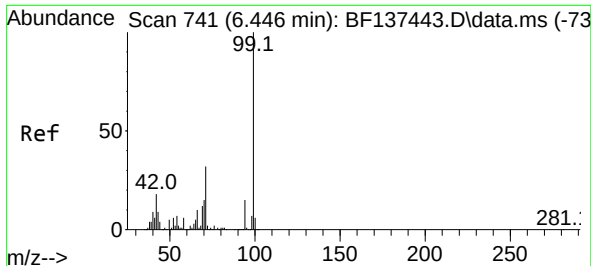
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#5
2-Fluorophenol
Concen: 79.831 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

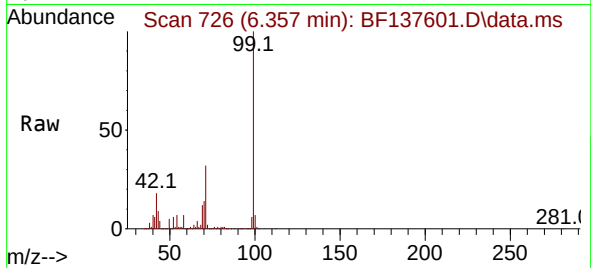
Tgt Ion:112 Resp: 710394
Ion Ratio Lower Upper
112 100
64 64.1 53.4 80.2
63 31.4 26.2 39.2





#7
Phenol-d6
Concen: 73.426 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

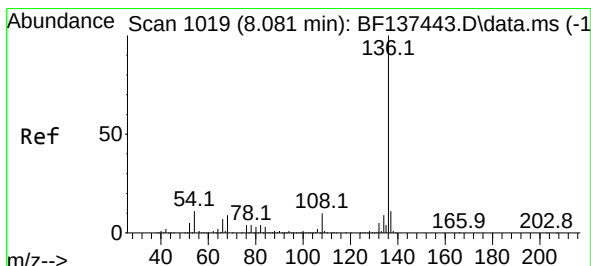
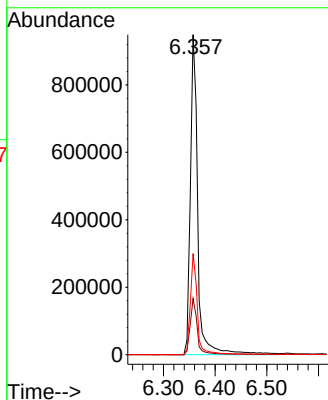
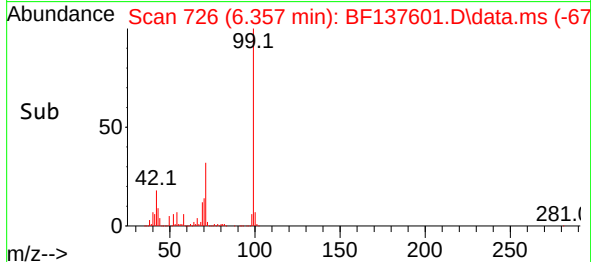
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP



Tgt Ion: 99 Resp: 943168
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 31.6 25.3 37.9

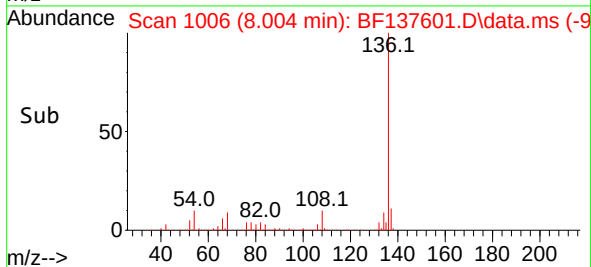
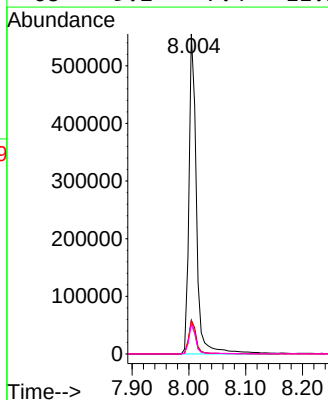
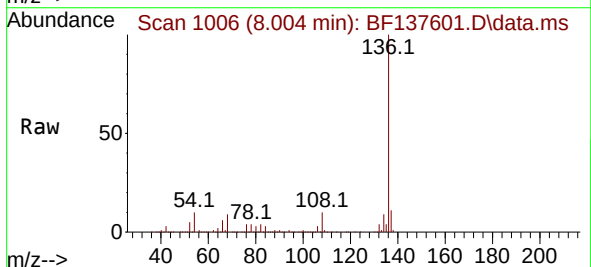
Manual Integrations
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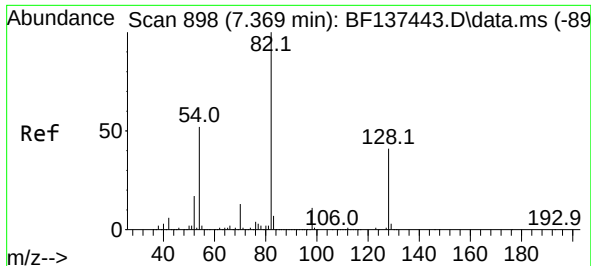
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:136 Resp: 510426
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 10.4 8.5 12.7
68 9.2 7.4 11.2





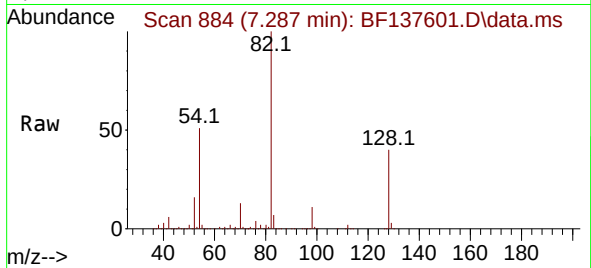
#23
Nitrobenzene-d5
Concen: 50.690 ng
RT: 7.287 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

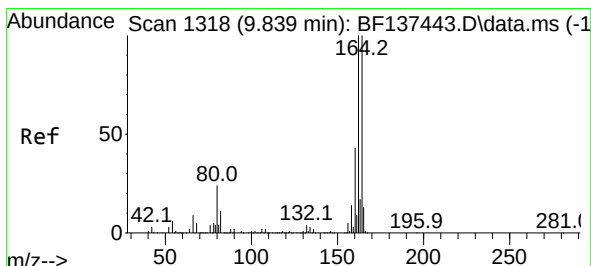
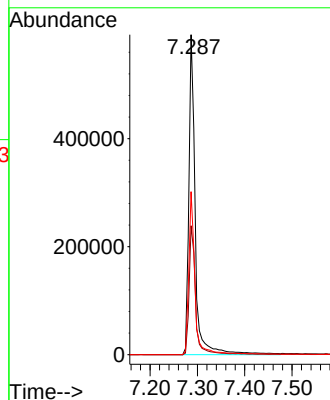
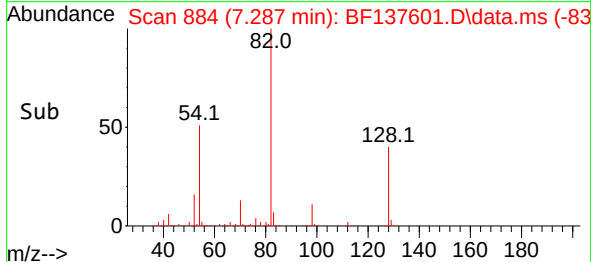


Tgt Ion: 82 Resp: 556849
Ion Ratio Lower Upper
82 100
128 40.3 32.5 48.7
54 51.0 41.5 62.3

Manual Integrations

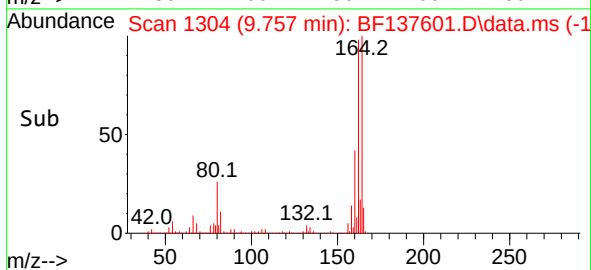
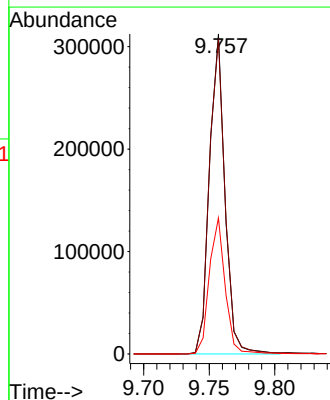
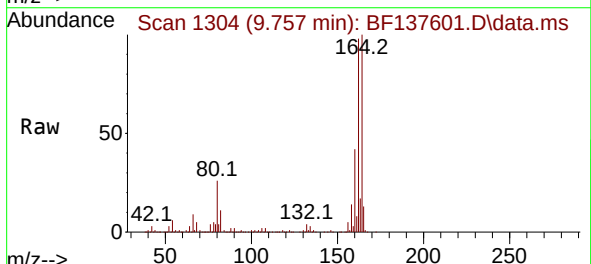
APPROVED

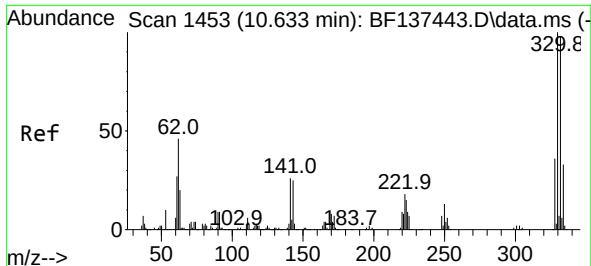
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:164 Resp: 256541
Ion Ratio Lower Upper
164 100
162 98.3 79.8 119.8
160 42.5 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 72.756 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

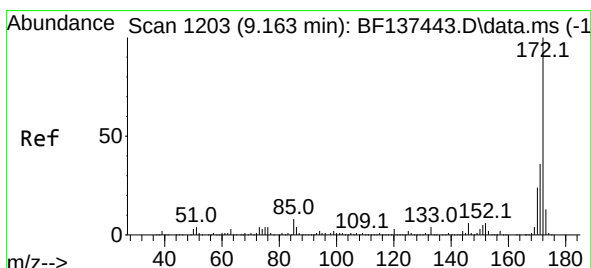
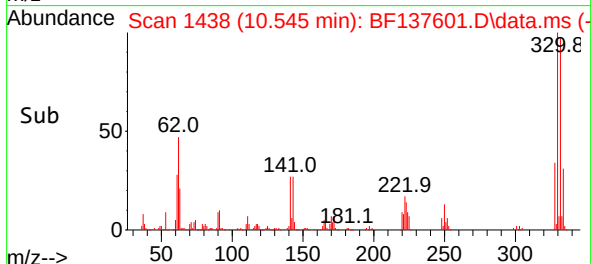
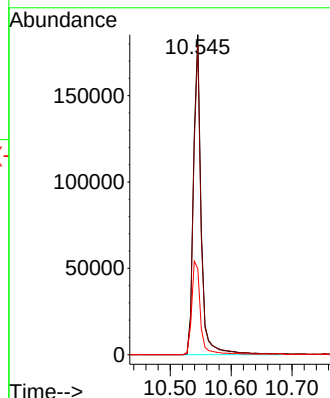
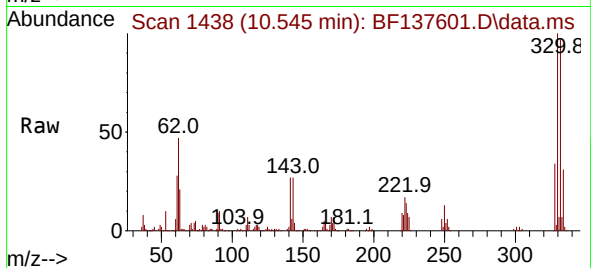
SB-05-0-2.0-DUP

Tgt Ion: 330 Resp: 16391
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 33.3 27.3 40.9

Manual Integrations

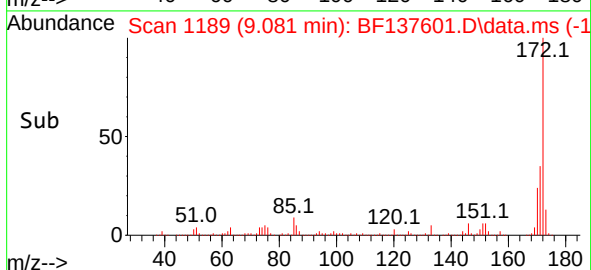
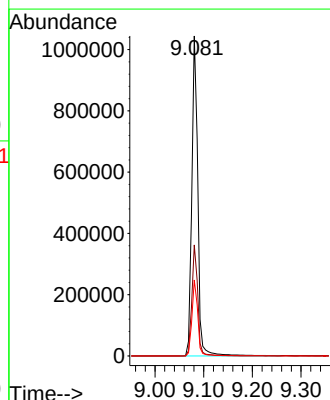
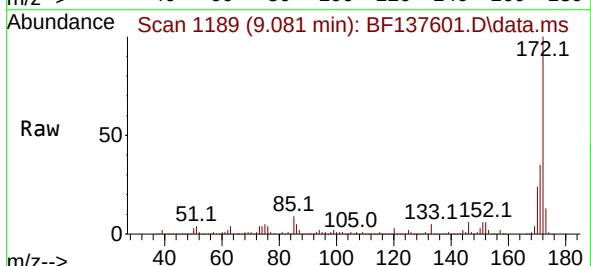
APPROVED

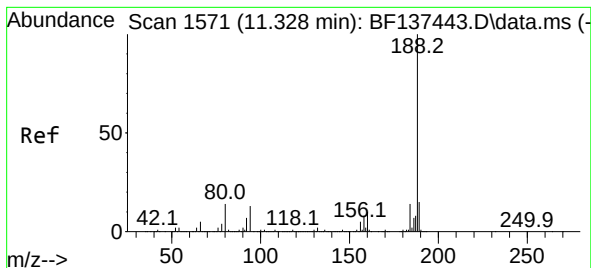
Reviewed By : Jagrut Upadhyay 03/15/2024
Supervised By : mohammad ahmed 03/16/2024



#45
2-Fluorobiphenyl
Concen: 54.166 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion: 172 Resp: 887699
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 23.8 19.0 28.6





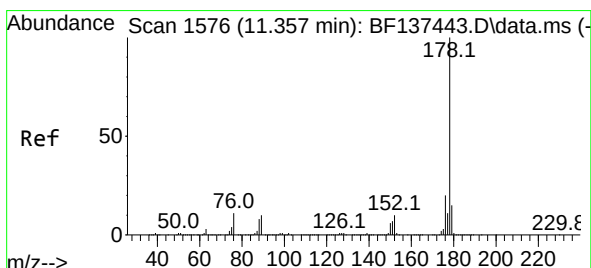
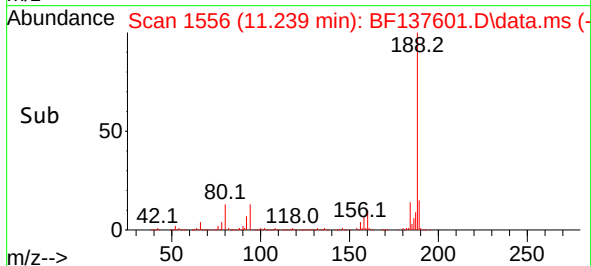
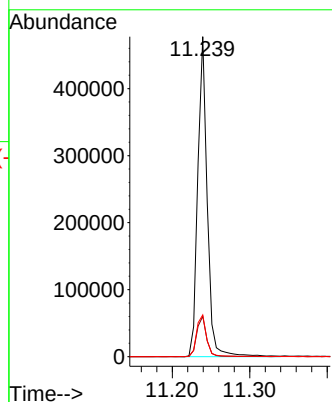
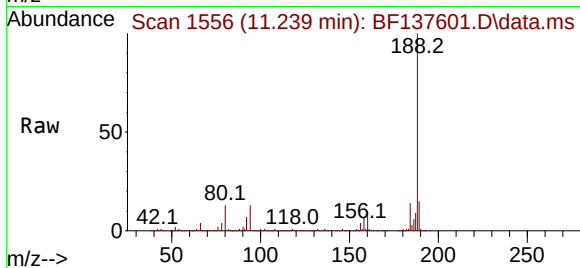
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Tgt Ion:188 Resp: 405000
Ion Ratio Lower Upper
188 100
94 12.6 10.6 15.8
80 13.1 11.5 17.3

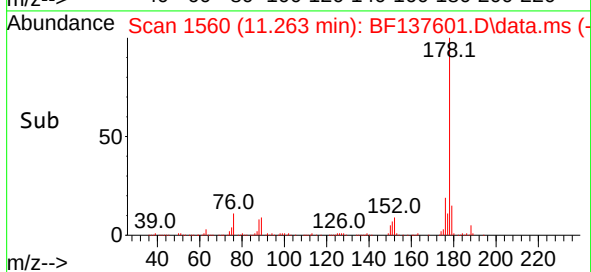
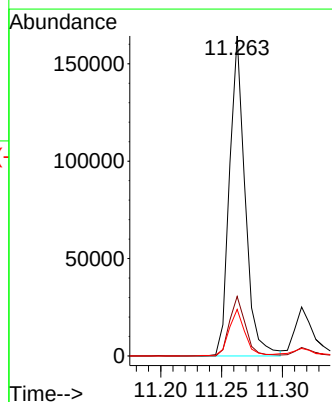
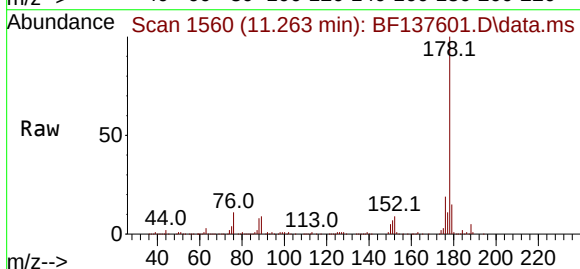
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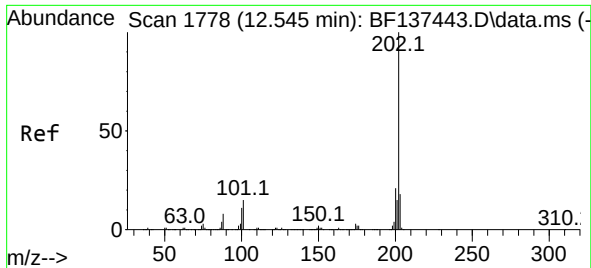
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#71
Phenanthrene
Concen: 6.639 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:178 Resp: 146332
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 14.6 12.2 18.2





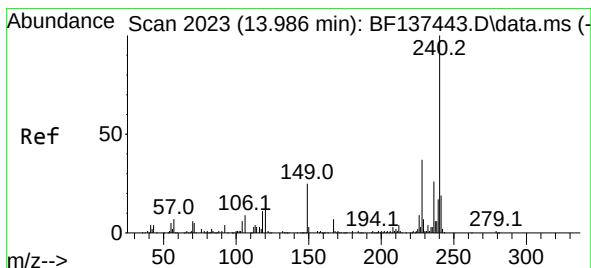
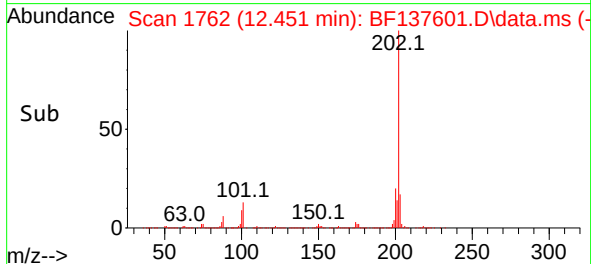
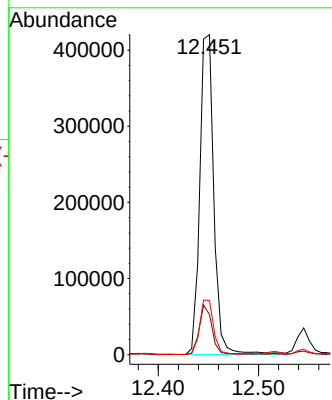
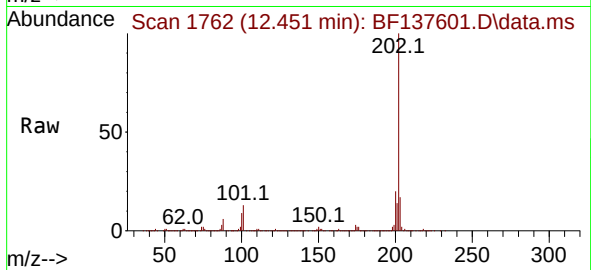
#75
Fluoranthene
Concen: 19.033 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0-DUP

Tgt Ion:202 Resp: 41005
Ion Ratio Lower Upper
202 100
101 12.6 0.0 35.0
203 16.9 0.0 37.7

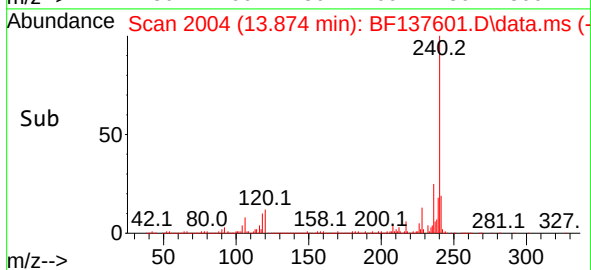
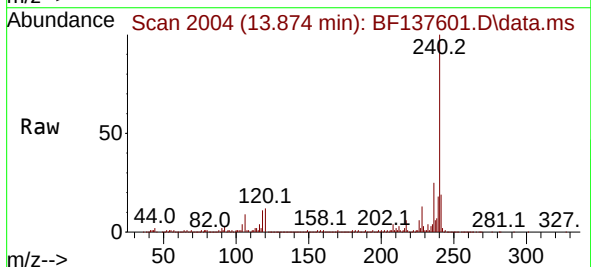
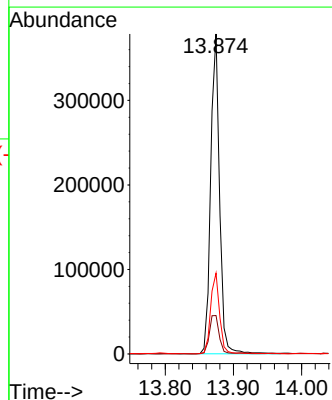
Manual Integrations
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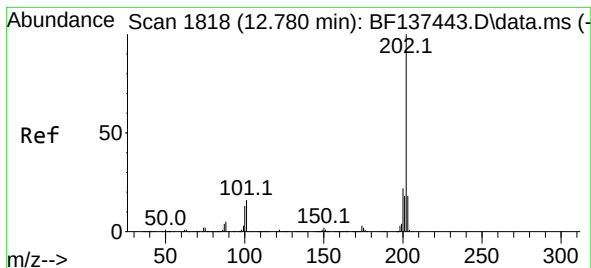
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:240 Resp: 342705
Ion Ratio Lower Upper
240 100
120 12.0 10.4 15.6
236 25.3 20.9 31.3





#78

Pyrene

Concen: 10.982 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

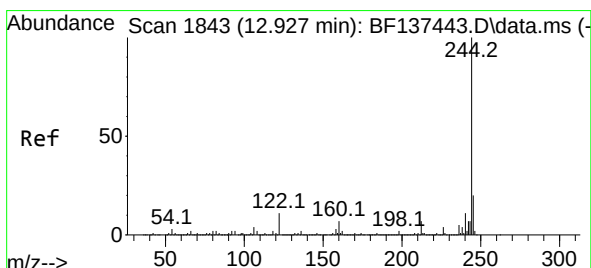
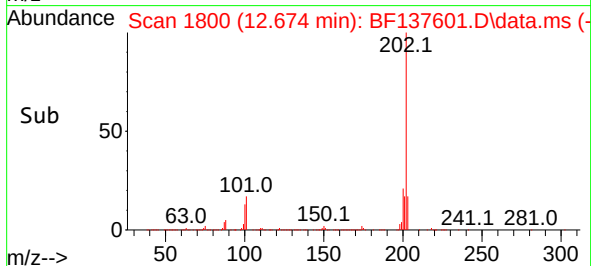
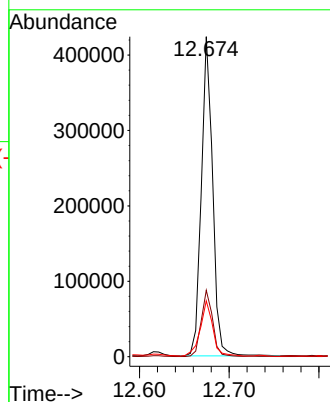
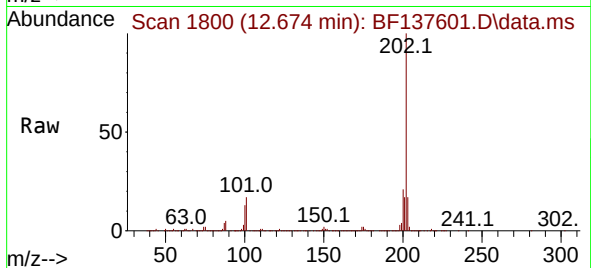
SB-05-0-2.0-DUP

Tgt Ion:202 Resp: 36929
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 17.5 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: 32.909 ng

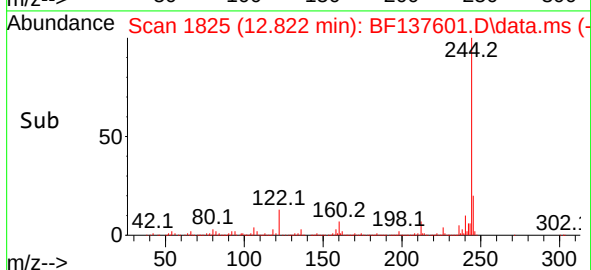
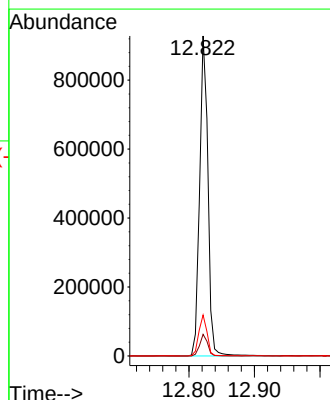
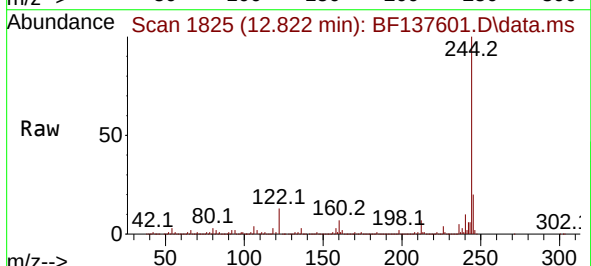
RT: 12.822 min Scan# 1825

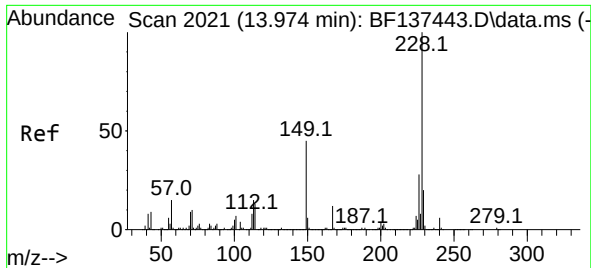
Delta R.T. -0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Tgt Ion:244 Resp: 820171
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 12.8 9.1 13.7





#81
Benzo(a)anthracene
Concen: 9.454 ng m
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

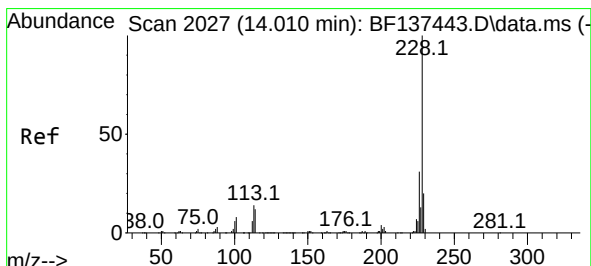
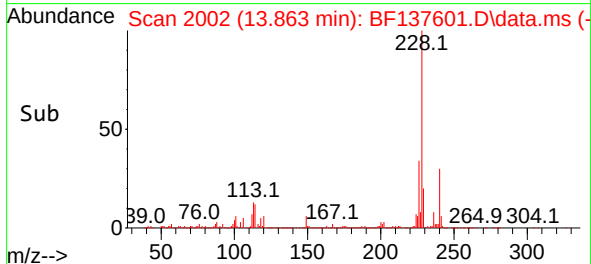
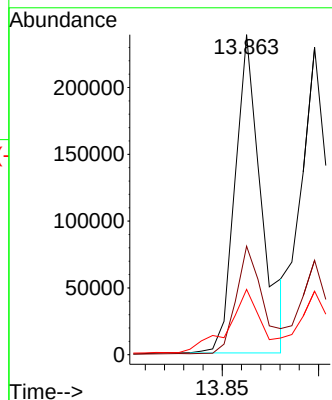
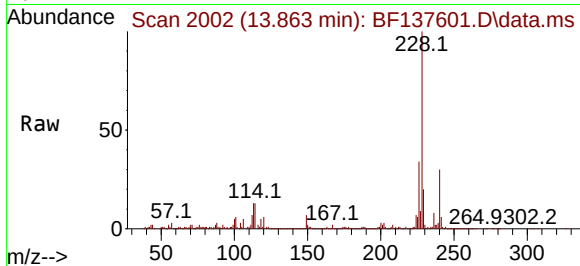
SB-05-0-2.0-DUP

Tgt Ion:228 Resp: 227082
Ion Ratio Lower Upper
228 100
226 33.9 22.3 33.5
229 20.4 16.3 24.5

Manual Integrations

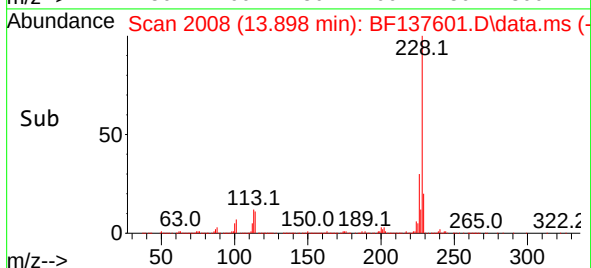
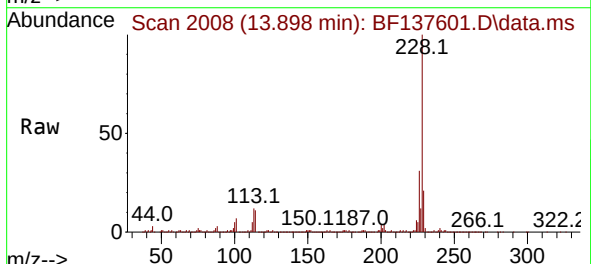
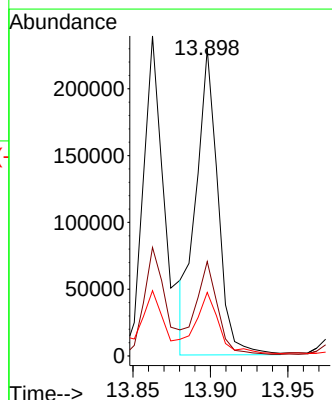
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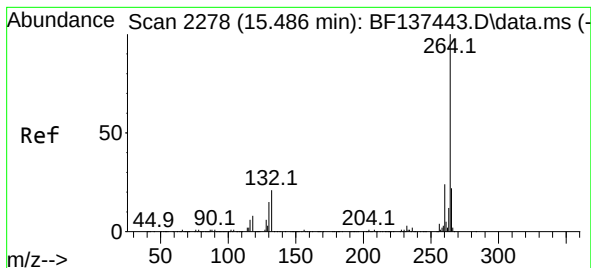
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#83
Chrysene
Concen: 9.287 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:228 Resp: 225460
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 20.7 15.9 23.9





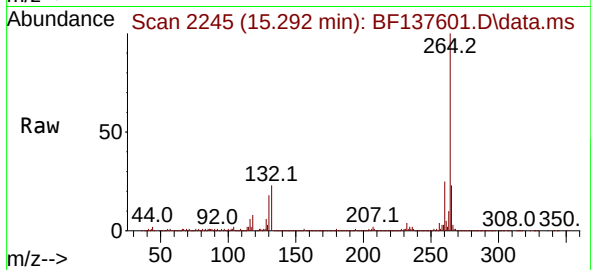
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0-DUP

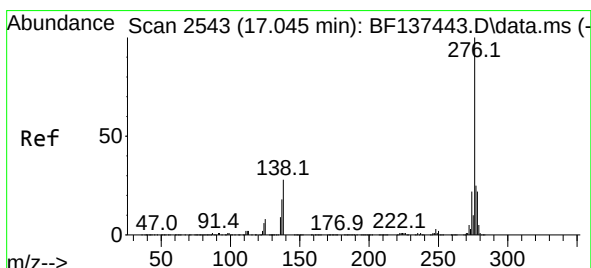
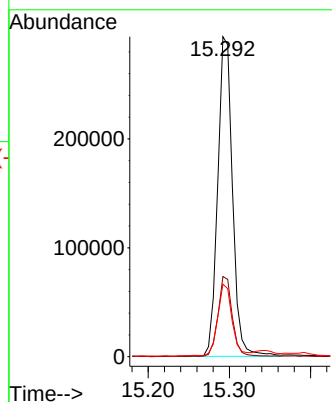
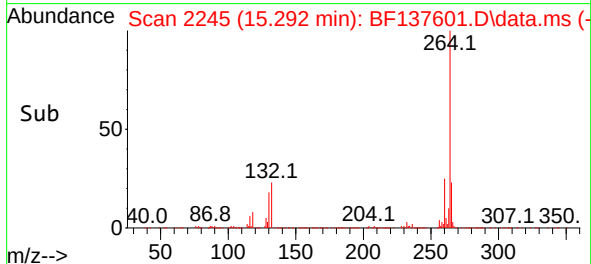


Tgt Ion:264 Resp: 37301
Ion Ratio Lower Upper
264 100
260 25.1 19.3 28.9
265 22.7 17.4 26.0

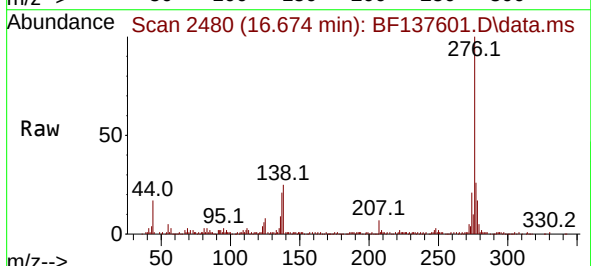
Manual Integrations

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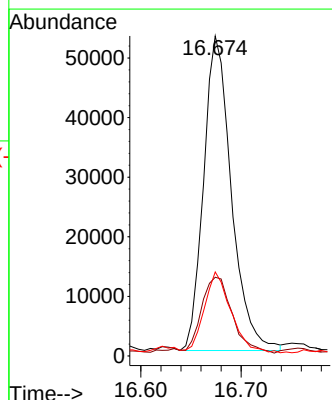
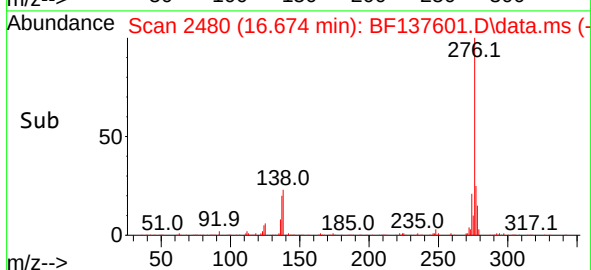
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024

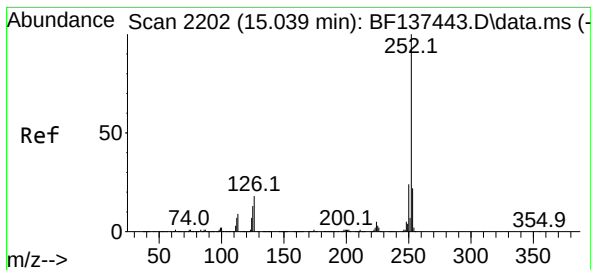


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.150 ng
RT: 16.674 min Scan# 2480
Delta R.T. -0.012 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26



Tgt Ion:276 Resp: 101878
Ion Ratio Lower Upper
276 100
138 27.8 25.8 38.8
277 24.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 13.270 ng m

RT: 14.892 min Scan# 2177

Delta R.T. -0.000 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

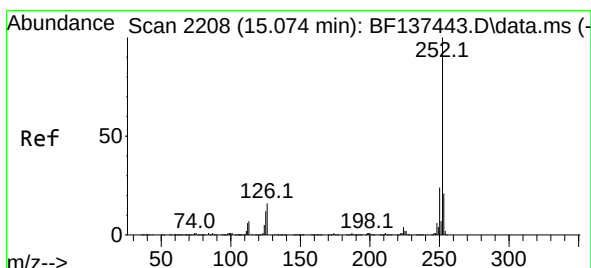
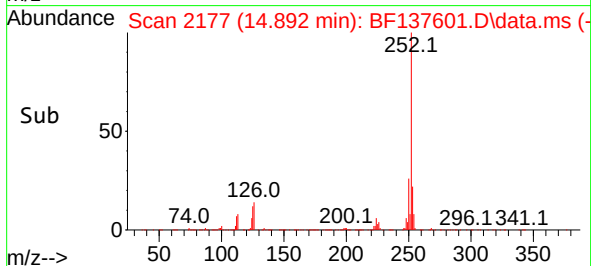
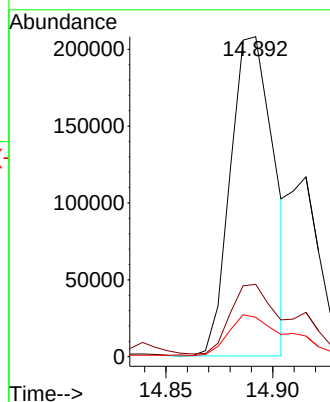
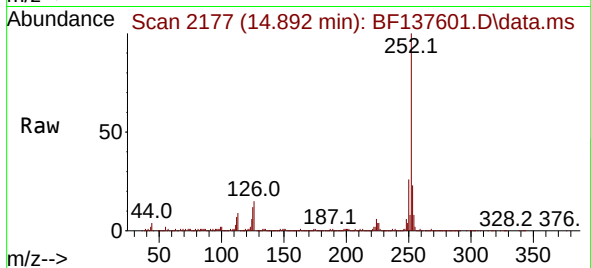
SB-05-0-2.0-DUP

Tgt Ion:252 Resp: 292805
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.8 26.8
 125 12.3 10.1 15.1

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 5.087 ng m

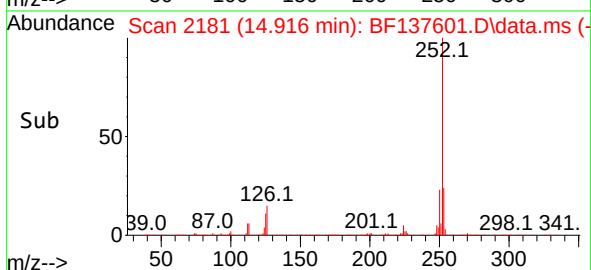
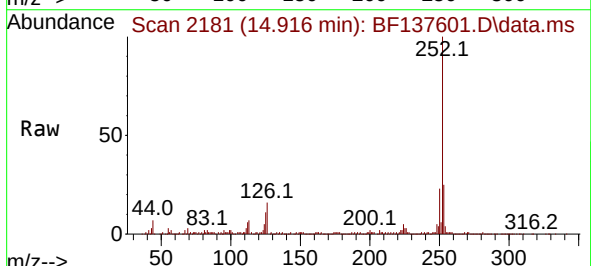
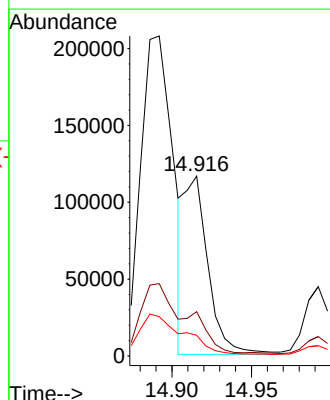
RT: 14.916 min Scan# 2181

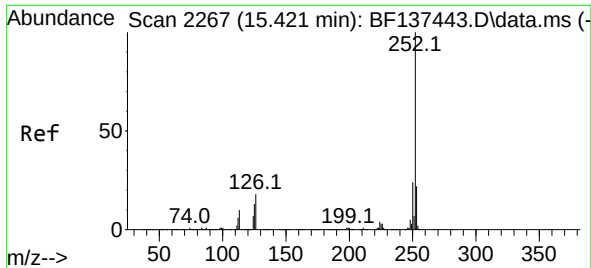
Delta R.T. -0.006 min

Lab File: BF137601.D

Acq: 14 Mar 2024 20:26

Tgt Ion:252 Resp: 120571
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.3 25.9
 125 11.5 9.6 14.4





#90
Benzo(a)pyrene
Concen: 9.263 ng
RT: 15.233 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Instrument :

BNA_F

ClientSampleId :

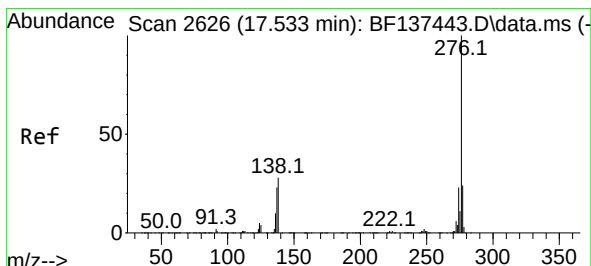
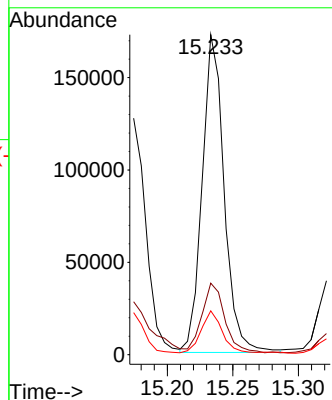
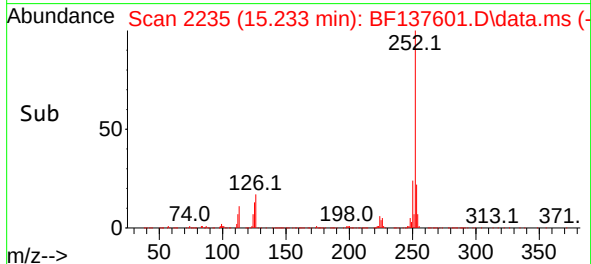
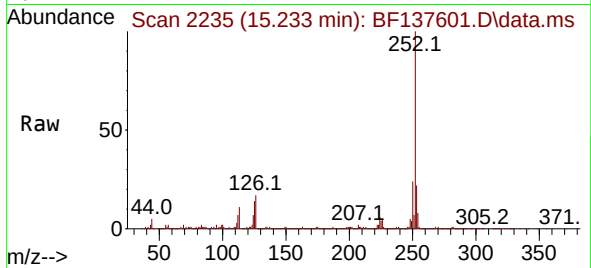
SB-05-0-2.0-DUP

Tgt Ion:252 Resp: 20142
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.7 10.4 15.6

Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 4.438 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.012 min
Lab File: BF137601.D
Acq: 14 Mar 2024 20:26

Tgt Ion:276 Resp: 90763
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.4
138 26.7 22.2 33.2

