

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
 Data File : BF137598.D
 Acq On : 14 Mar 2024 19:00
 Operator : CG\JU
 Sample : P1744-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3488

Manual Integrations
 APPROVED

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

Quant Time: Mar 15 02:01:25 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	141536	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	550723	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	300636	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	486724	20.000	ng	0.00
76) Chrysene-d12	13.874	240	304843	20.000	ng	0.00
86) Perylene-d12	15.292	264	351629	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	630937	67.515	ng	0.00
7) Phenol-d6	6.357	99	1159887	85.985	ng	-0.01
23) Nitrobenzene-d5	7.287	82	585882	49.430	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	321717	121.858	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1483631	77.250	ng	0.00
79) Terphenyl-d14	12.827	244	1490496	67.234	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.045	266	10453	3.229	ng	87
71) Phenanthrene	11.263	178	170555	6.439	ng	99
75) Fluoranthene	12.445	202	217644	8.406	ng	98
78) Pyrene	12.674	202	215245	7.196	ng	99
81) Benzo(a)anthracene	13.863	228	83055	3.887	ng	96
83) Chrysene	13.898	228	84655	3.920	ng	98
87) Indeno(1,2,3-cd)pyrene	16.674	276	57622	2.490	ng	93
88) Benzo(b)fluoranthene	14.892	252	122719m	5.900	ng	
90) Benzo(a)pyrene	15.239	252	82909	4.045	ng	97
92) Benzo(g,h,i)perylene	17.092	276	61111	3.170	ng	99

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

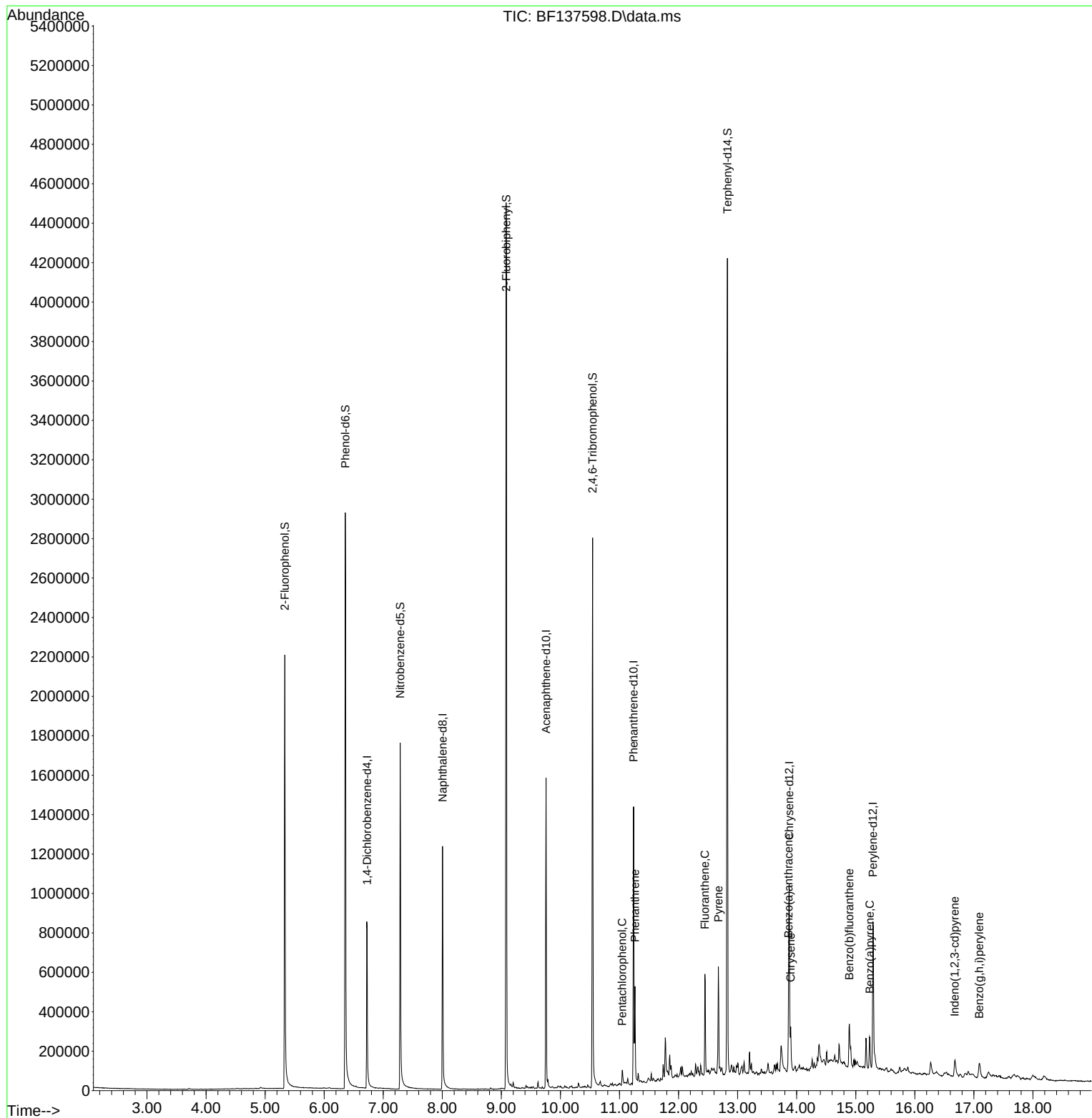
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
Data File : BF137598.D
Acq On : 14 Mar 2024 19:00
Operator : CG\JU
Sample : P1744-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

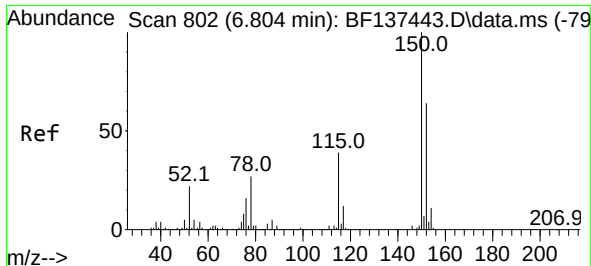
Instrument :
BNA_F
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RT-3488

Quant Time: Mar 15 02:01:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
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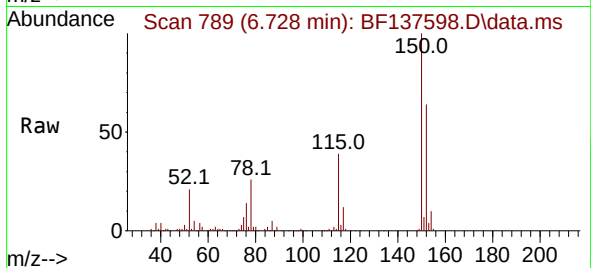
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

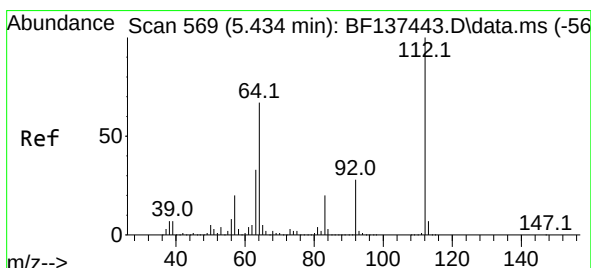
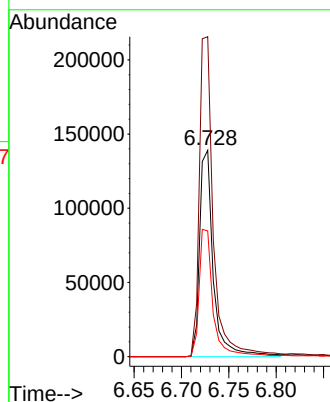
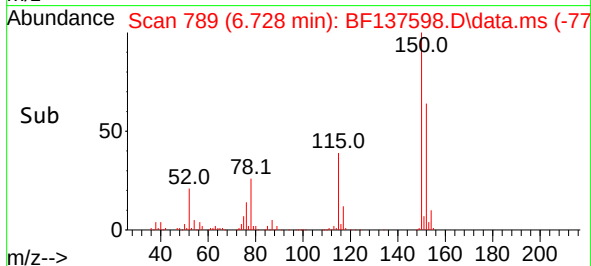
Instrument :
BNA_F
ClientSampleId :
RT-3488



Tgt Ion:152 Resp: 141530
Ion Ratio Lower Upper
152 100
150 155.0 125.8 188.6
115 60.9 48.8 73.2

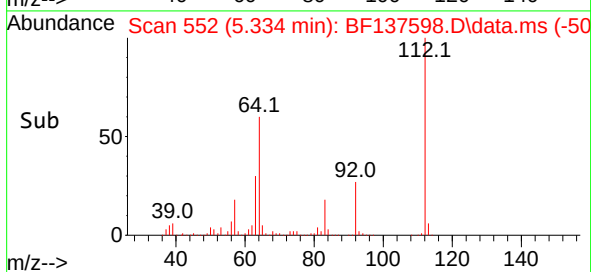
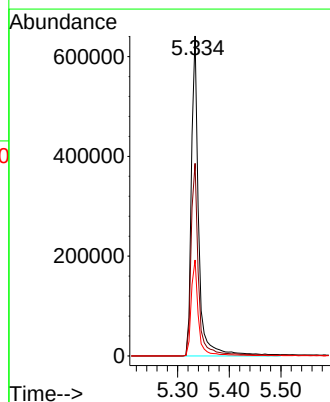
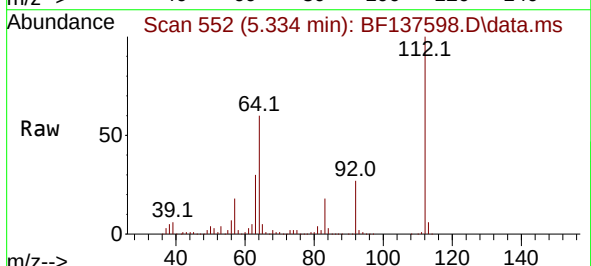
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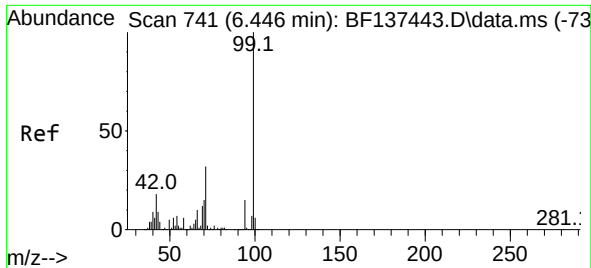
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#5
2-Fluorophenol
Concen: 67.515 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

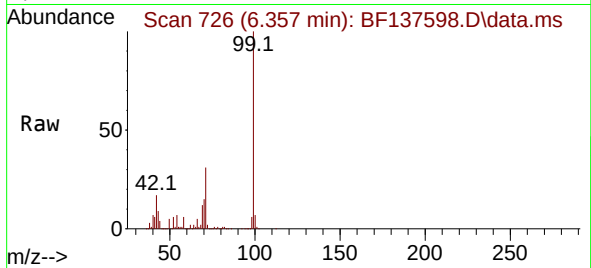
Tgt Ion:112 Resp: 630937
Ion Ratio Lower Upper
112 100
64 60.2 53.4 80.2
63 30.0 26.2 39.2





#7
Phenol-d6
Concen: 85.985 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

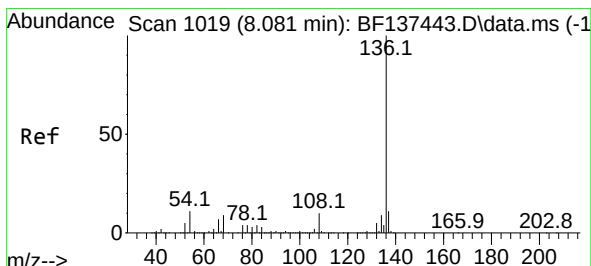
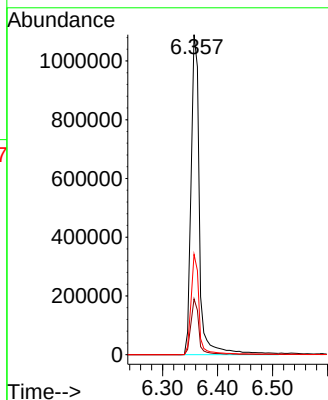
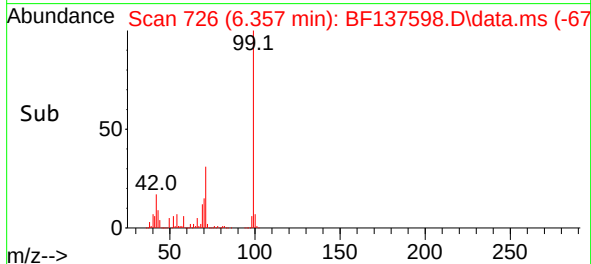
Instrument :
BNA_F
ClientSampleId :
RT-3488



Tgt Ion: 99 Resp: 115988
Ion Ratio Lower Upper
99 100
42 17.5 14.6 21.8
71 31.4 25.3 37.9

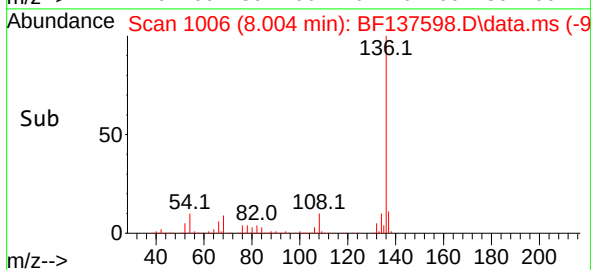
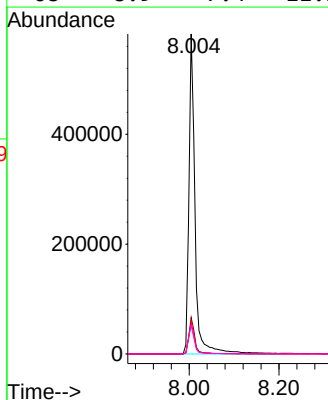
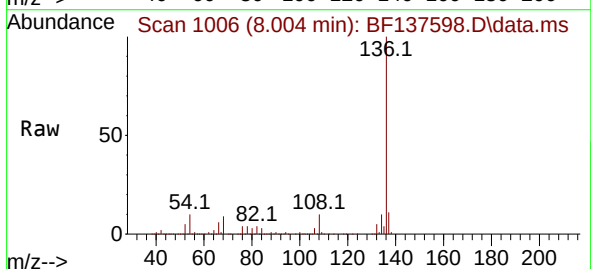
Manual Integrations
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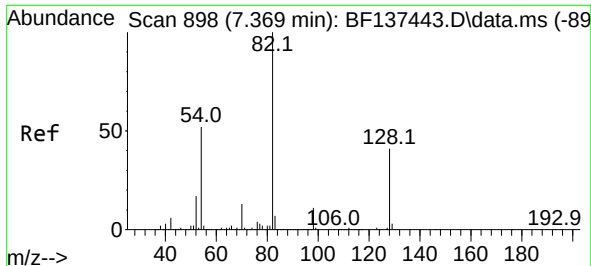
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

Tgt Ion:136 Resp: 550723
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 9.9 8.5 12.7
68 8.9 7.4 11.2





#23

Nitrobenzene-d5

Concen: 49.430 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF137598.D

Acq: 14 Mar 2024 19:00

Instrument :

BNA_F

ClientSampleId :

RT-3488

Tgt Ion: 82 Resp: 58588

Ion Ratio Lower Upper

82 100

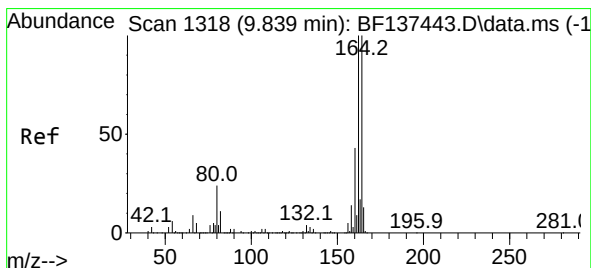
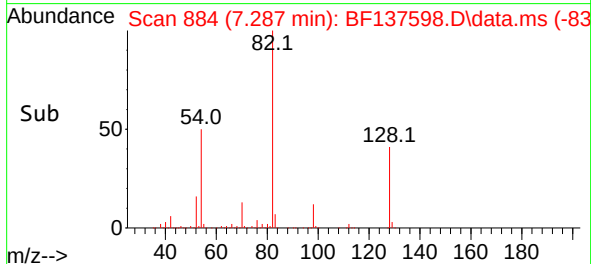
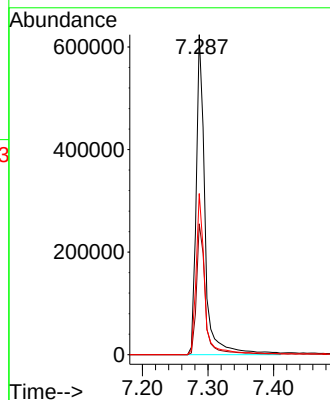
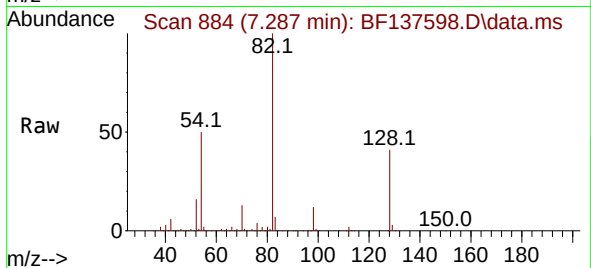
128 40.9 32.5 48.7

54 50.3 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: BF137598.D

Acq: 14 Mar 2024 19:00

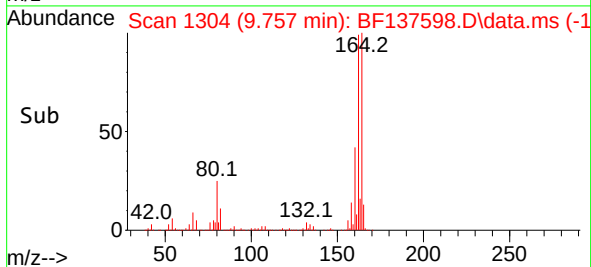
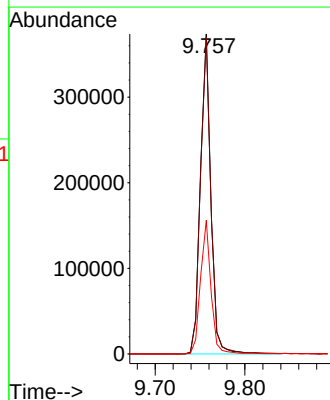
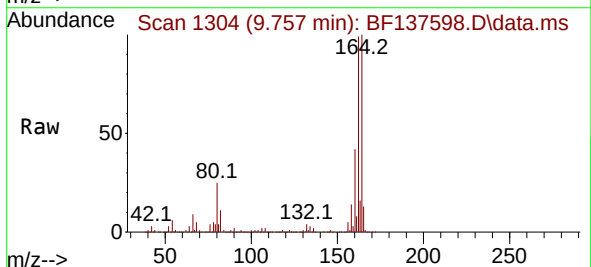
Tgt Ion:164 Resp: 300636

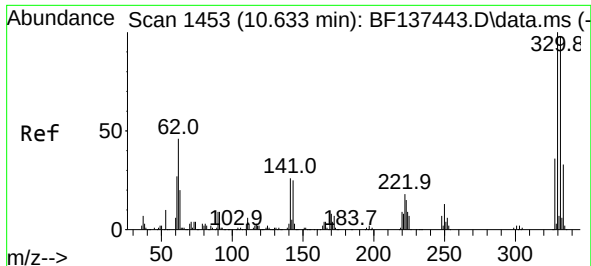
Ion Ratio Lower Upper

164 100

162 99.1 79.8 119.8

160 41.7 34.4 51.6





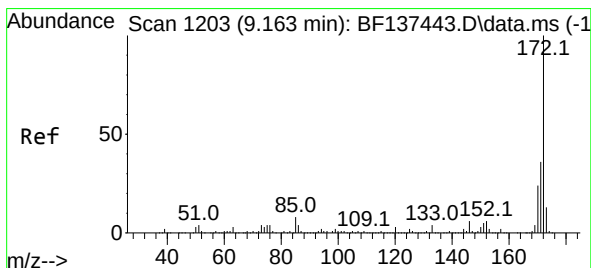
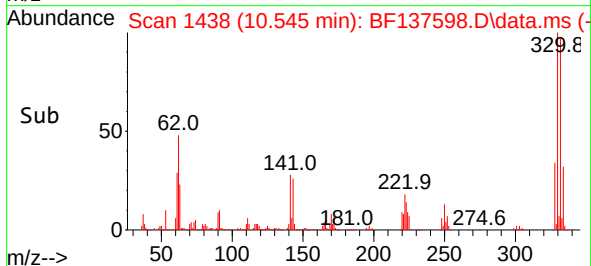
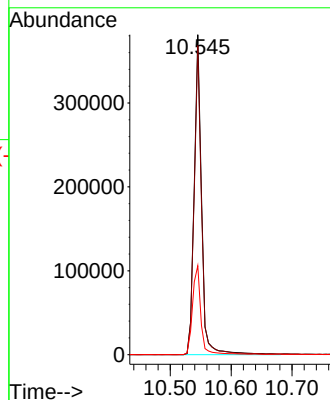
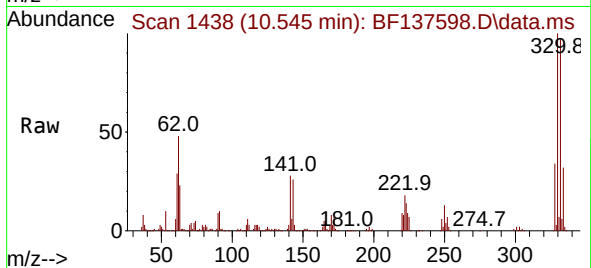
#42
2,4,6-Tribromophenol
Concen: 121.858 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

Instrument :
BNA_F
ClientSampleId :
RT-3488

Tgt Ion: 330 Resp: 32171
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 31.3 27.3 40.9

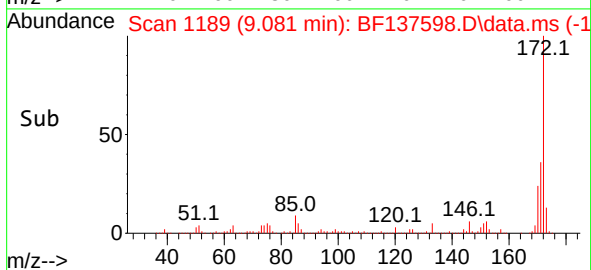
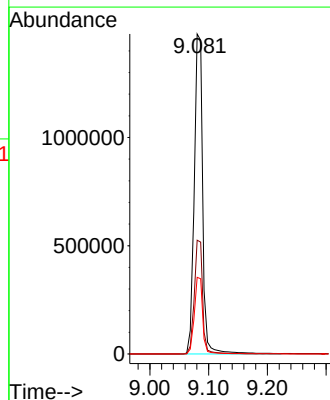
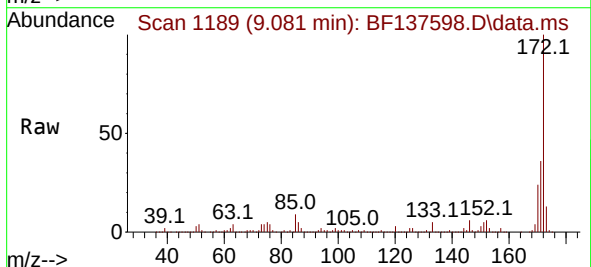
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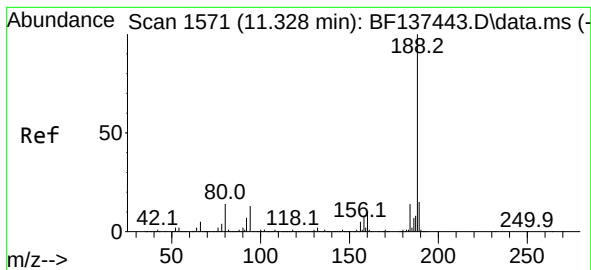
Reviewed By : Jagrut Upadhyay 03/15/2024
Supervised By : mohammad ahmed 03/16/2024



#45
2-Fluorobiphenyl
Concen: 77.250 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

Tgt Ion: 172 Resp: 1483631
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 24.0 19.0 28.6





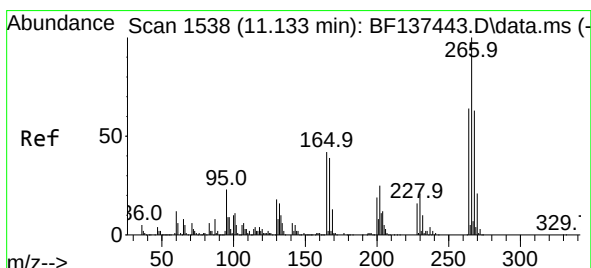
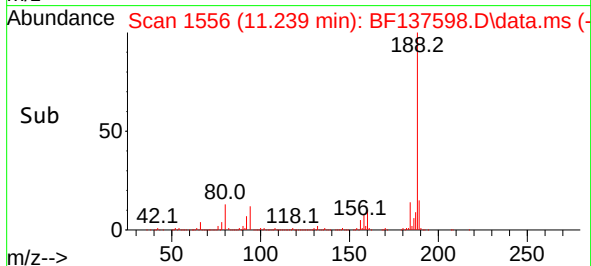
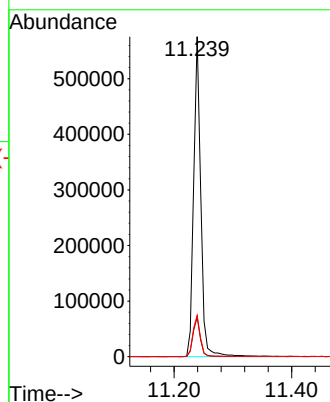
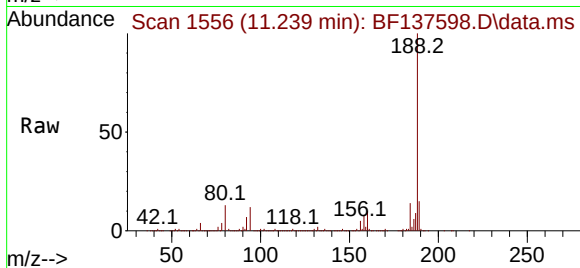
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

Instrument :
BNA_F
ClientSampleId :
RT-3488

Tgt Ion:188 Resp: 486724
Ion Ratio Lower Upper
188 100
94 12.3 10.6 15.8
80 13.0 11.5 17.3

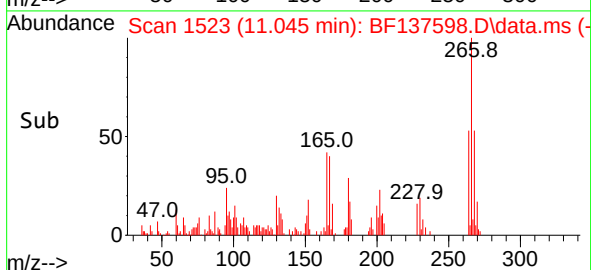
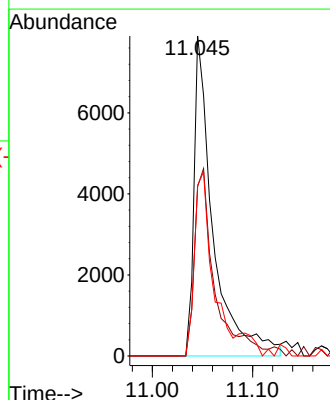
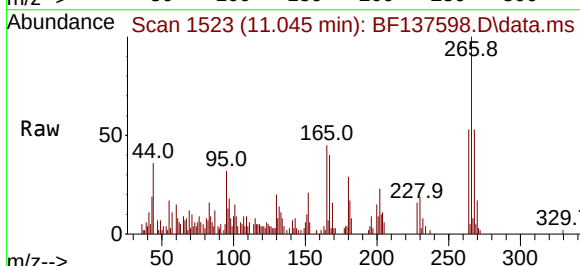
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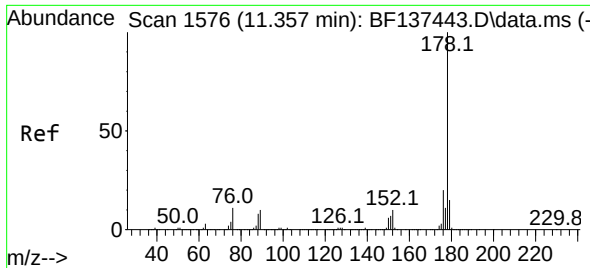
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#70
Pentachlorophenol
Concen: 3.229 ng
RT: 11.045 min Scan# 1523
Delta R.T. -0.000 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

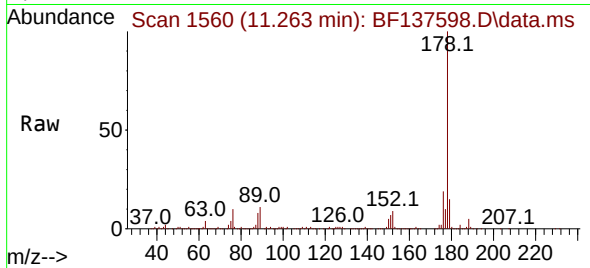
Tgt Ion:266 Resp: 10453
Ion Ratio Lower Upper
266 100
268 53.0 50.2 75.2
264 53.3 50.9 76.3





#71
Phenanthrene
Concen: 6.439 ng
RT: 11.263 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

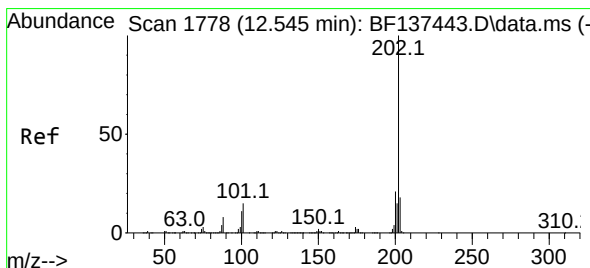
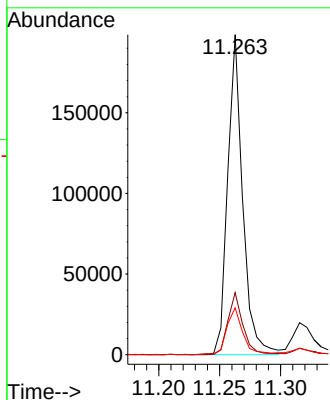
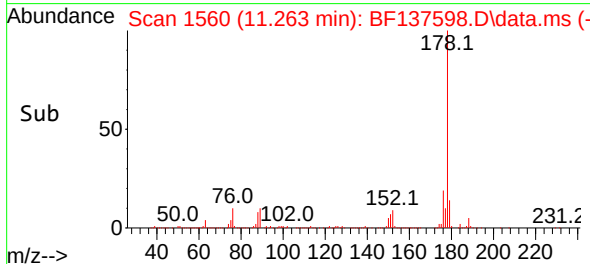
Instrument :
BNA_F
ClientSampleId :
RT-3488



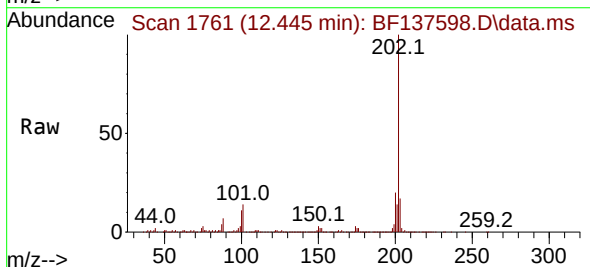
Tgt Ion:178 Resp: 17055
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.6 12.2 18.2

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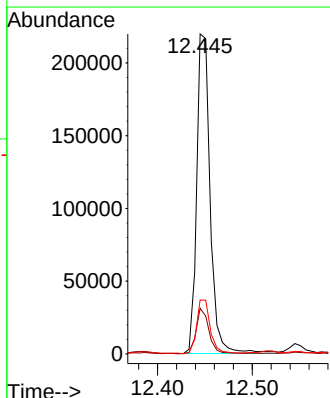
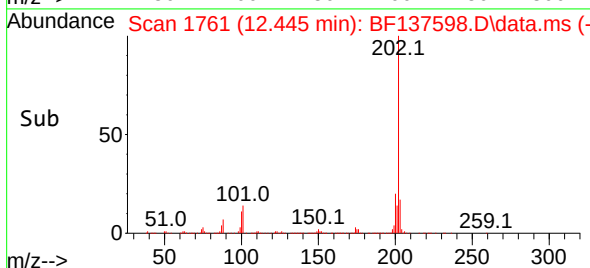
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024

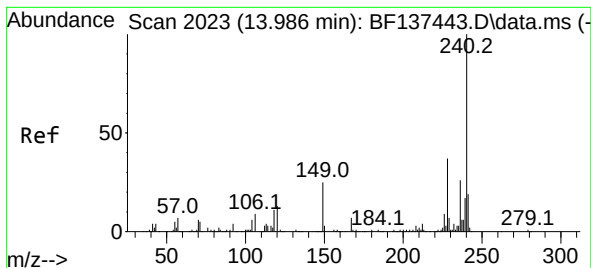


#75
Fluoranthene
Concen: 8.406 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00



Tgt Ion:202 Resp: 217644
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.0
203 16.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

Instrument :

BNA_F

ClientSampleId :

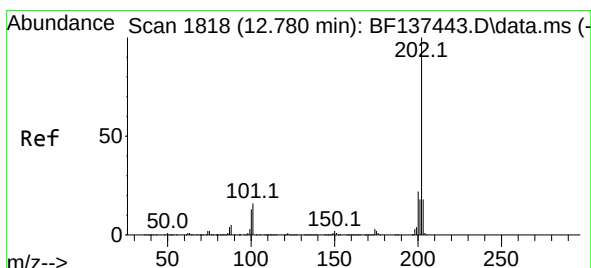
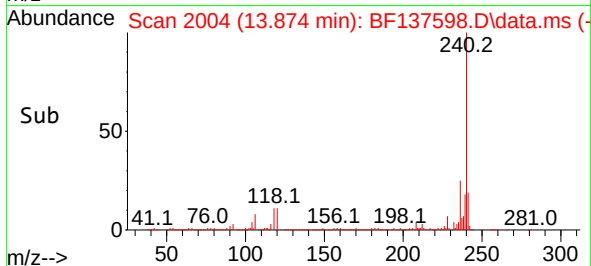
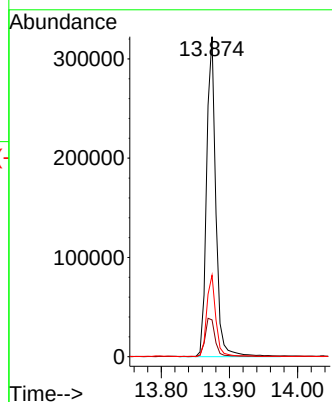
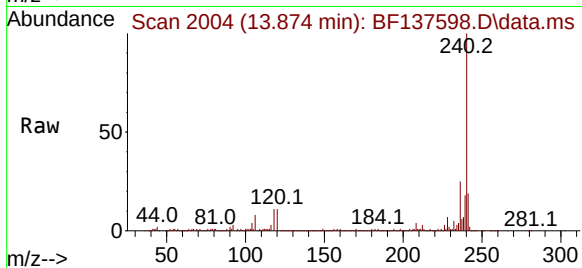
RT-3488

Tgt Ion:240 Resp: 30484
Ion Ratio Lower Upper
240 100
120 11.5 10.4 15.6
236 25.5 20.9 31.3

Manual Integrations

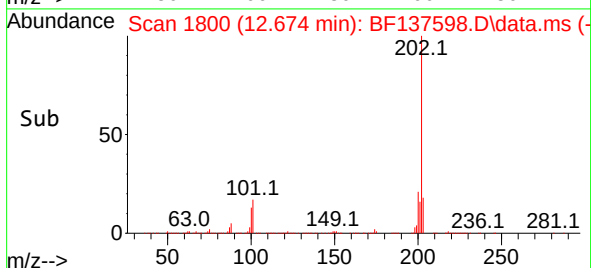
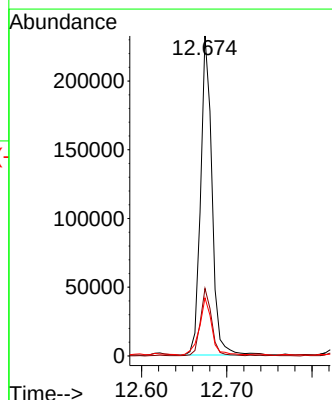
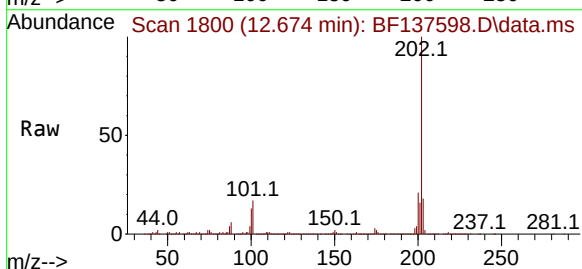
APPROVED

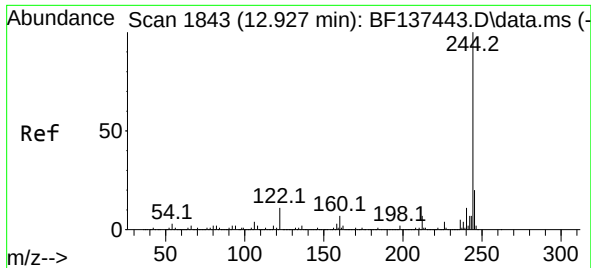
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#78
Pyrene
Concen: 7.196 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

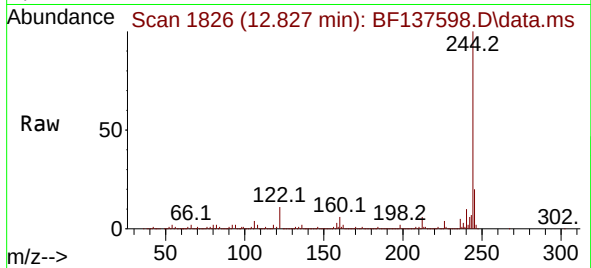
Tgt Ion:202 Resp: 215245
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.1 14.1 21.1





#79
Terphenyl-d14
Concen: 67.234 ng
RT: 12.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

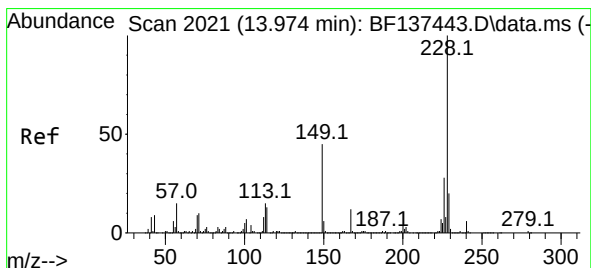
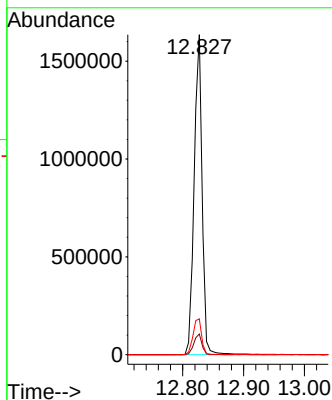
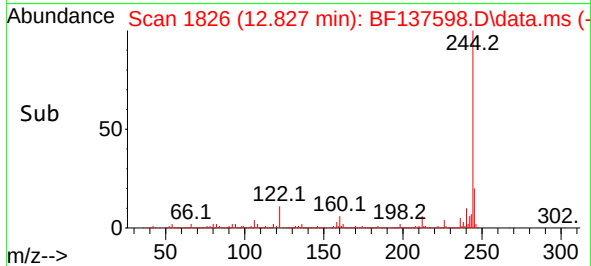
Instrument :
BNA_F
ClientSampleId :
RT-3488



Tgt Ion:244 Resp: 1490490
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 11.2 9.1 13.7

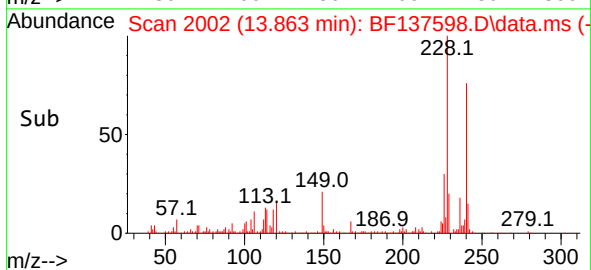
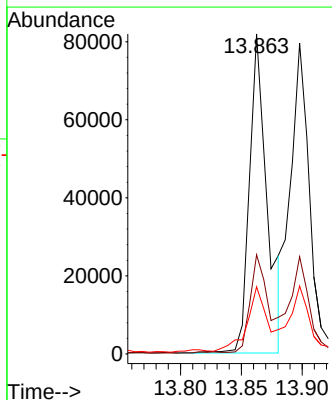
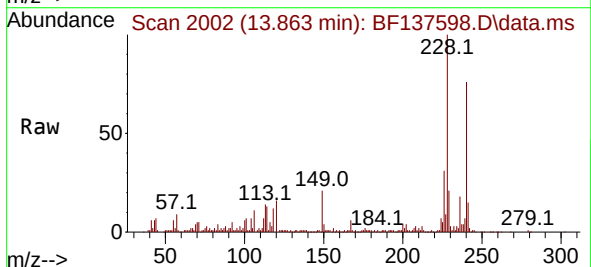
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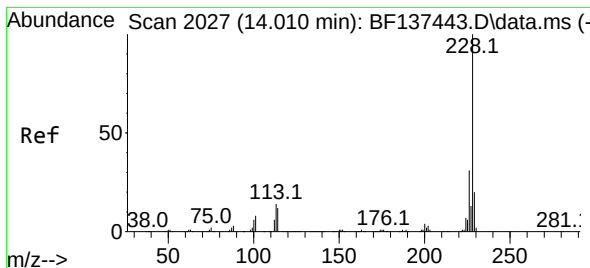
Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024



#81
Benzo(a)anthracene
Concen: 3.887 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

Tgt Ion:228 Resp: 83055
Ion Ratio Lower Upper
228 100
226 31.0 22.3 33.5
229 21.0 16.3 24.5





#83

Chrysene

Concen: 3.920 ng

RT: 13.898 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137598.D

Acq: 14 Mar 2024 19:00

Instrument :

BNA_F

ClientSampleId :

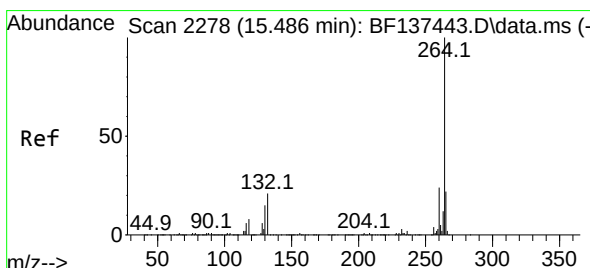
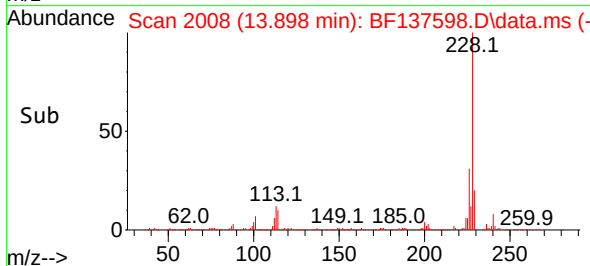
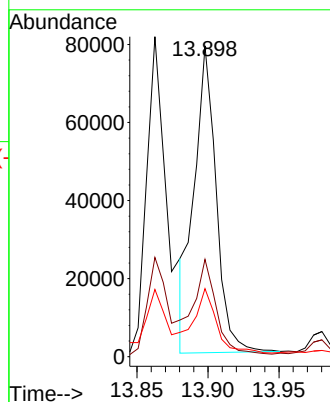
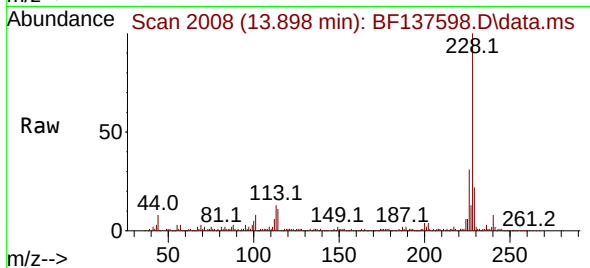
RT-3488

Tgt Ion:228	Resp: 8465
Ion Ratio	Lower Upper
228 100	
226 31.3	24.7 37.1
229 21.9	15.9 23.9

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



#86

Perylene-d12

Concen: 20.000 ng

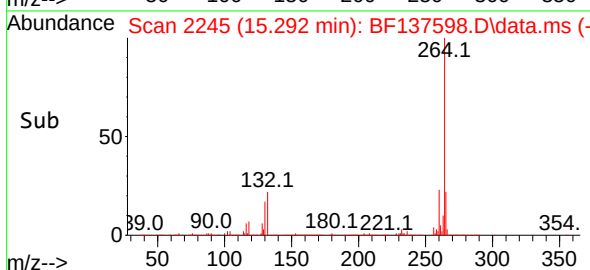
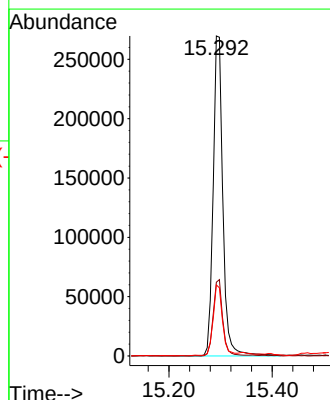
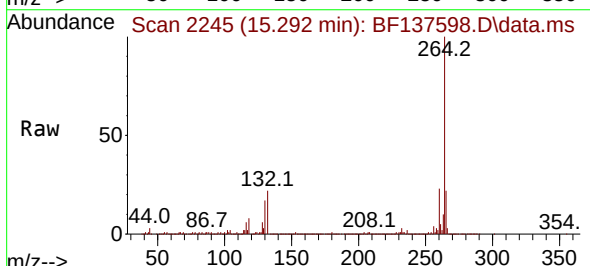
RT: 15.292 min Scan# 2245

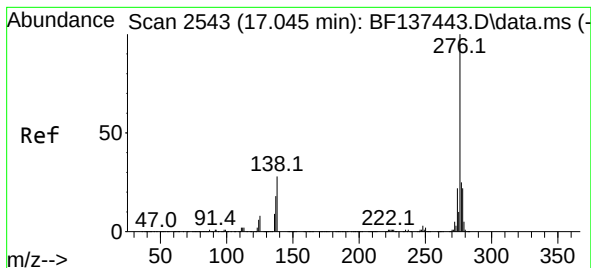
Delta R.T. -0.006 min

Lab File: BF137598.D

Acq: 14 Mar 2024 19:00

Tgt Ion:264	Resp: 351629
Ion Ratio	Lower Upper
264 100	
260 23.0	19.3 28.9
265 22.2	17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.490 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.012 min

Lab File: BF137598.D

Acq: 14 Mar 2024 19:00

Instrument :

BNA_F

ClientSampleId :

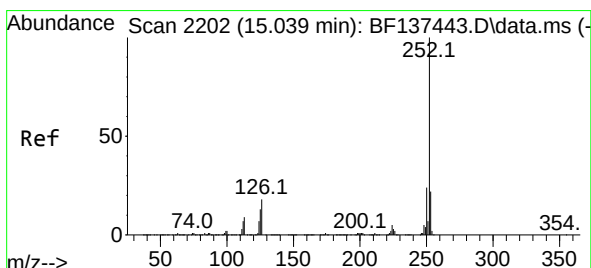
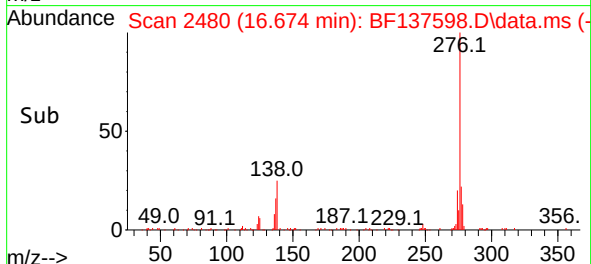
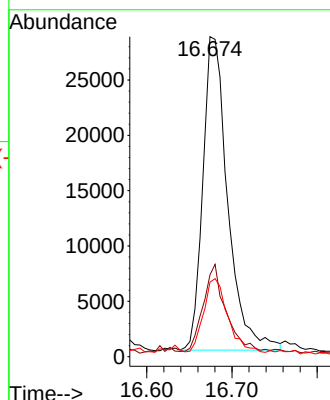
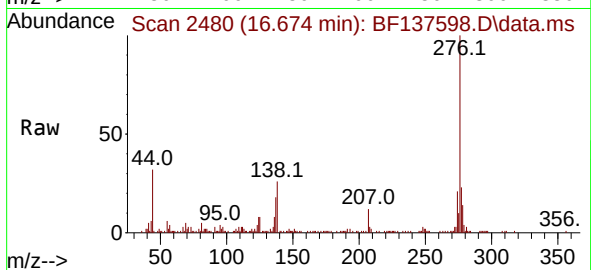
RT-3488

Tgt Ion:	276	Resp:	5762
Ion Ratio	Lower	Upper	
276	100		
138	27.4	25.8	38.8
277	23.1	20.2	30.2

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



#88

Benzo(b)fluoranthene

Concen: 5.900 ng m

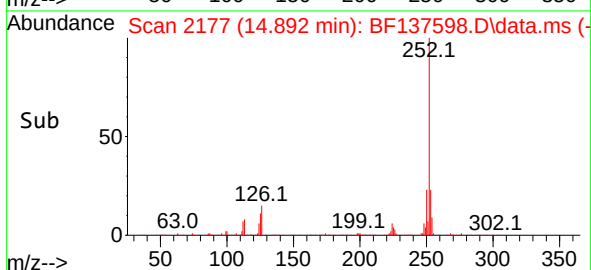
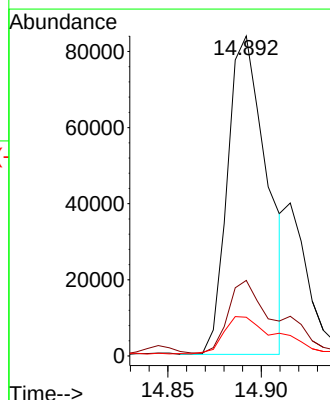
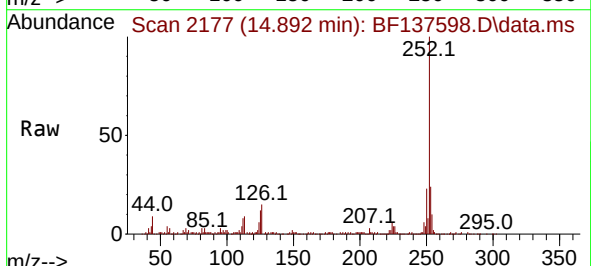
RT: 14.892 min Scan# 2177

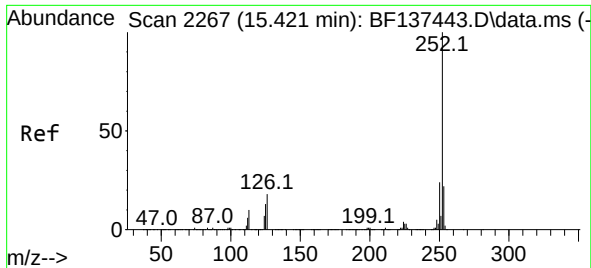
Delta R.T. -0.000 min

Lab File: BF137598.D

Acq: 14 Mar 2024 19:00

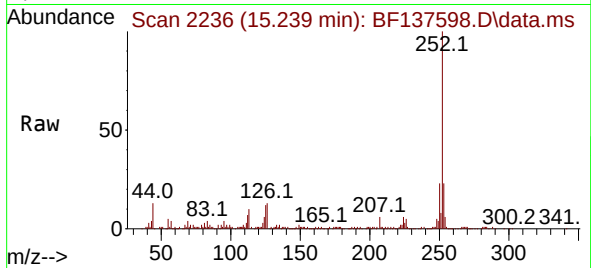
Tgt Ion:	252	Resp:	122719
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	12.1	10.1	15.1





#90
Benzo(a)pyrene
Concen: 4.045 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

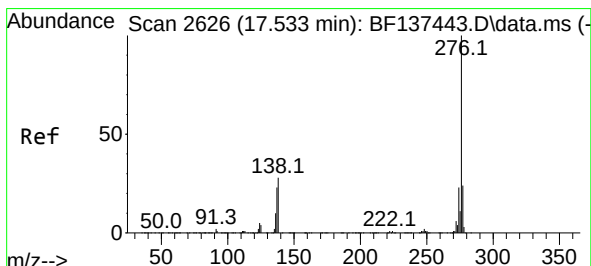
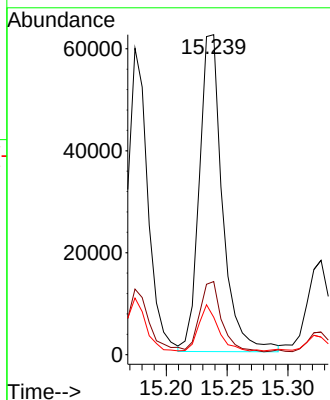
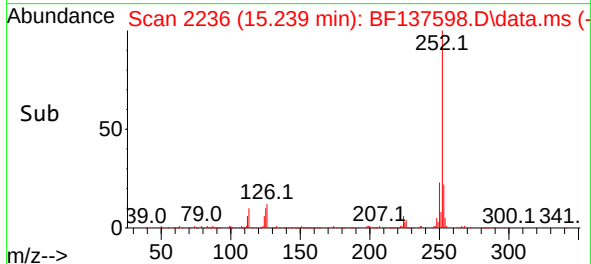
Instrument :
BNA_F
ClientSampleId :
RT-3488



Tgt Ion:252 Resp: 82905
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 11.7 10.4 15.6

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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: 3.170 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.012 min
Lab File: BF137598.D
Acq: 14 Mar 2024 19:00

Tgt Ion:276 Resp: 61111
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.4
138 28.2 22.2 33.2

