

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
 Data File : BF132532.D
 Acq On : 23 Feb 2023 21:28
 Operator : CG\JU
 Sample : 01654-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UGT

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/24/2023
 Supervised By : Jagrut Upadhyay 02/24/2023

Quant Time: Feb 24 00:40:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	150653	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	554276	20.000	ng	-0.01
39) Acenaphthene-d10	10.054	164	266915	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	408226	20.000	ng	0.00
76) Chrysene-d12	14.207	240	306077	20.000	ng	-0.01
86) Perylene-d12	15.760	264	283647	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	922550	99.385	ng	0.00
7) Phenol-d6	6.637	99	1209534	99.841	ng	0.00
23) Nitrobenzene-d5	7.572	82	872707	74.701	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	239856	83.209	ng	-0.01
45) 2-Fluorobiphenyl	9.372	172	1358083	77.474	ng	0.00
79) Terphenyl-d14	13.142	244	1123736	62.074	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.007	142	83603	4.323	ng	100
71) Phenanthrene	11.572	178	175098	8.280	ng	98
75) Fluoranthene	12.772	202	271507	11.744	ng	99
78) Pyrene	13.001	202	262952	9.449	ng	98
81) Benzo(a)anthracene	14.195	228	129841	5.670	ng	95
83) Chrysene	14.230	228	138377	6.462	ng	96
87) Indeno(1,2,3-cd)pyrene	17.354	276	58788	3.163	ng	96
88) Benzo(b)fluoranthene	15.295	252	161933m	8.519	ng	
89) Benzo(k)fluoranthene	15.324	252	58682m	3.154	ng	
90) Benzo(a)pyrene	15.689	252	109275	6.142	ng	# 97
92) Benzo(g,h,i)perylene	17.842	276	57959	4.887	ng	97

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

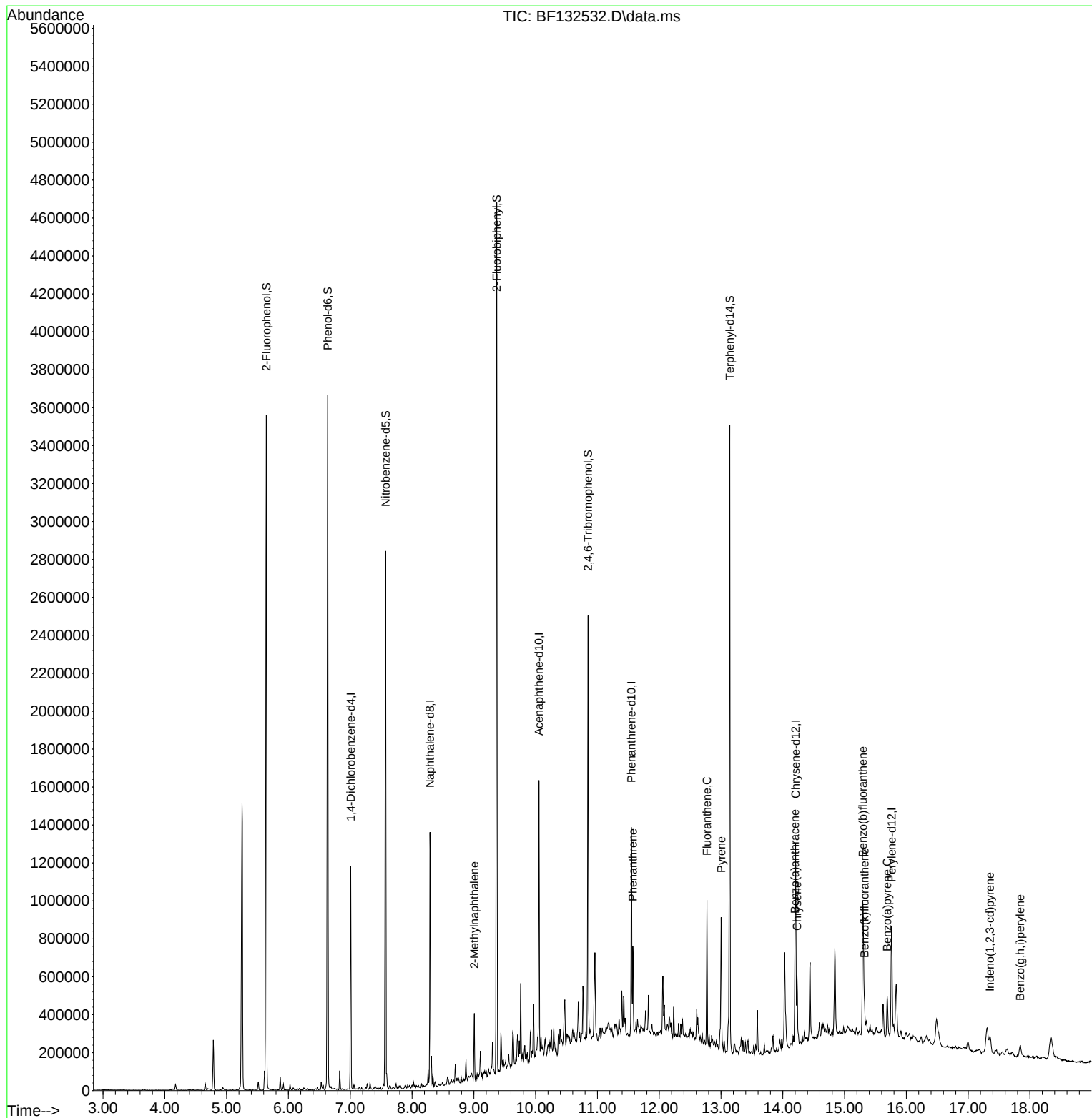
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
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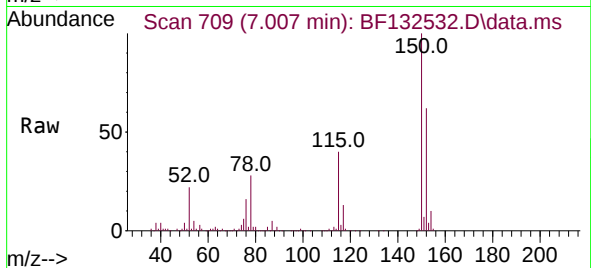
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Supervised By : Jagrut Upadhyay 02/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

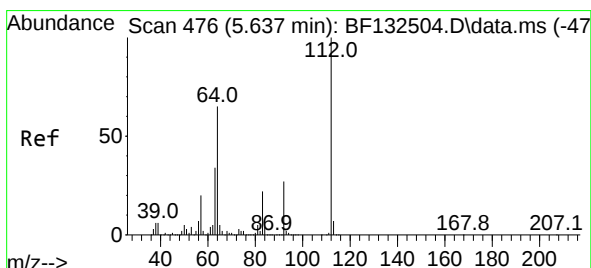
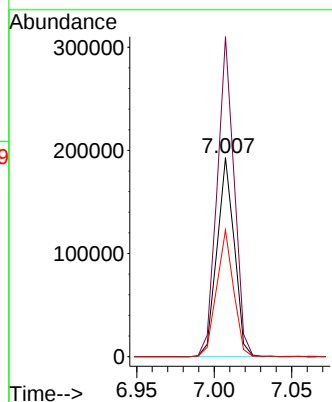
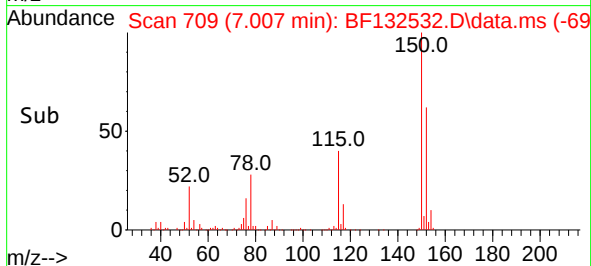
Instrument :
BNA_F
ClientSampleId :
UGT



Tgt Ion:152 Resp: 150653
Ion Ratio Lower Upper
152 100
150 160.8 125.4 188.2
115 63.7 47.8 71.6

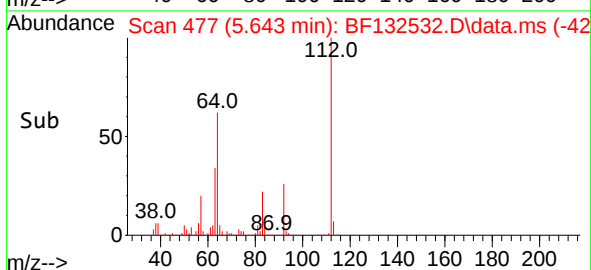
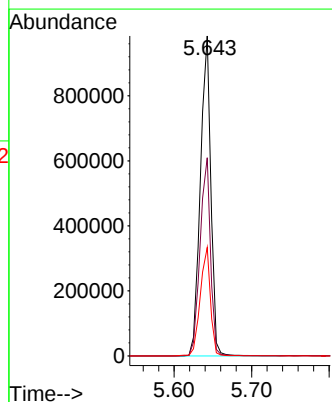
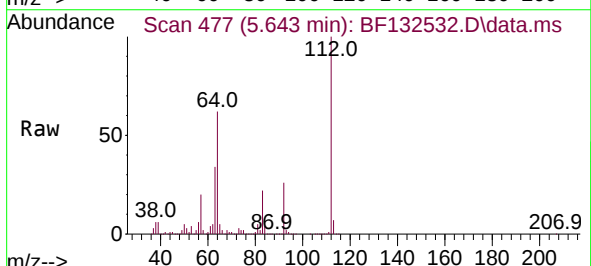
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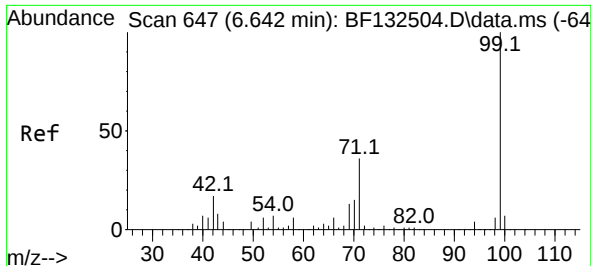
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Supervised By :Jagrut Upadhyay 02/24/2023



#5
2-Fluorophenol
Concen: 99.385 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

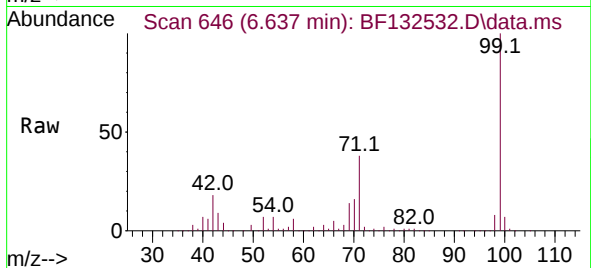
Tgt Ion:112 Resp: 922550
Ion Ratio Lower Upper
112 100
64 61.9 51.6 77.4
63 33.9 27.4 41.2





#7
Phenol-d6
Concen: 99.841 ng
RT: 6.637 min Scan# 647
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

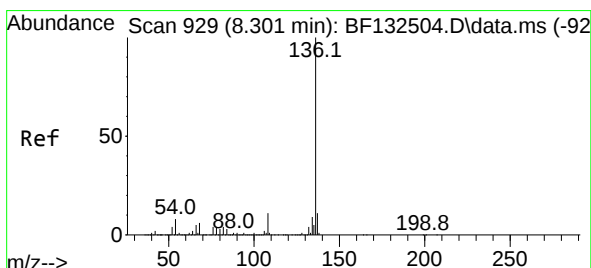
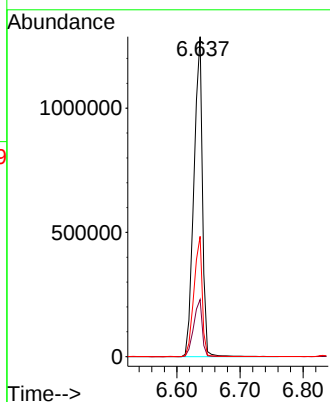
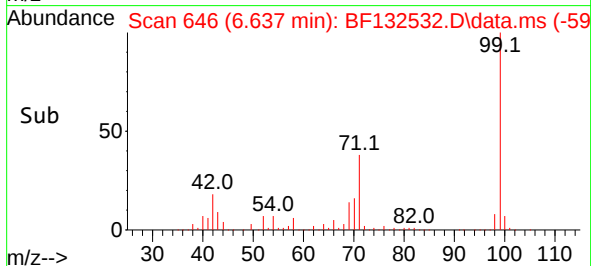
Instrument :
BNA_F
ClientSampleId :
UGT



Tgt Ion: 99 Resp: 1209534
Ion Ratio Lower Upper
99 100
42 17.9 13.9 20.9
71 37.6 28.5 42.7

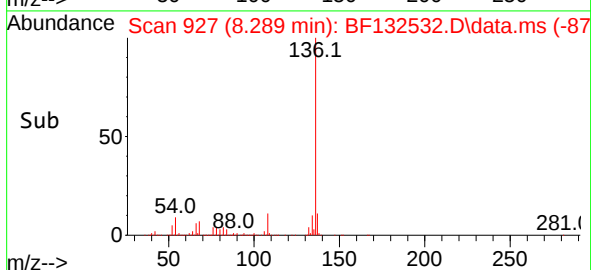
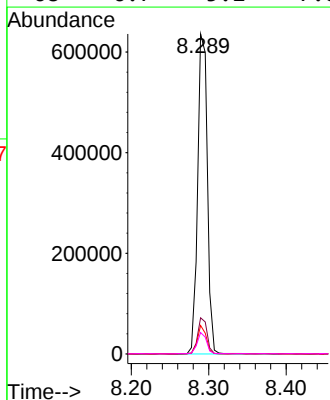
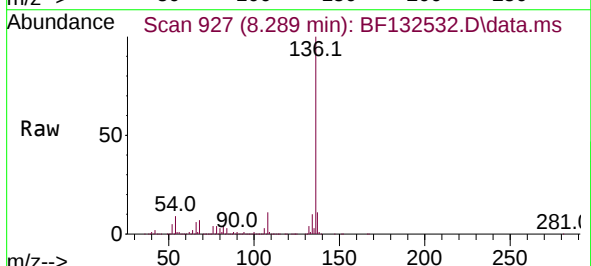
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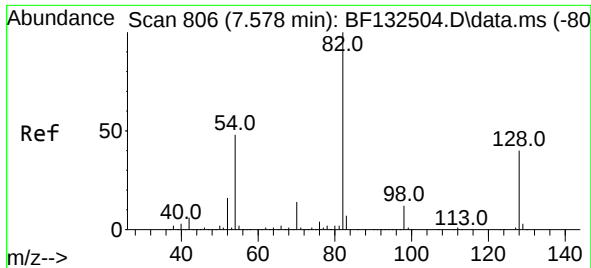
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 927
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

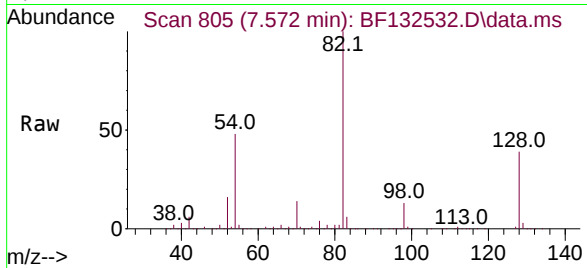
Tgt Ion:136 Resp: 554276
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.9 6.2 9.4
68 6.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 74.701 ng
RT: 7.572 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

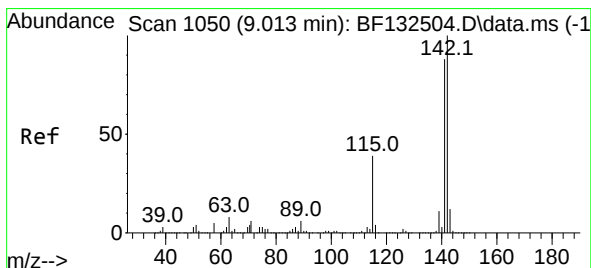
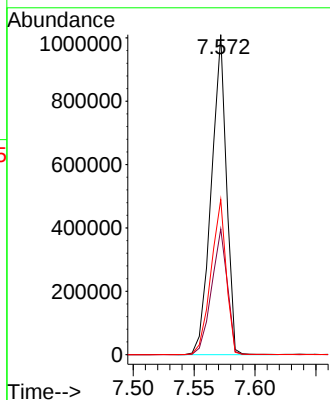
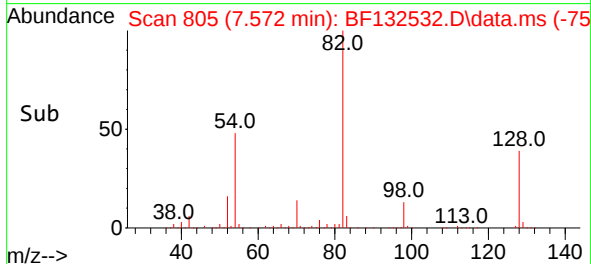
Instrument :
BNA_F
ClientSampleId :
UGT



Tgt Ion: 82 Resp: 87270
Ion Ratio Lower Upper
82 100
128 39.3 32.2 48.2
54 48.5 38.4 57.6

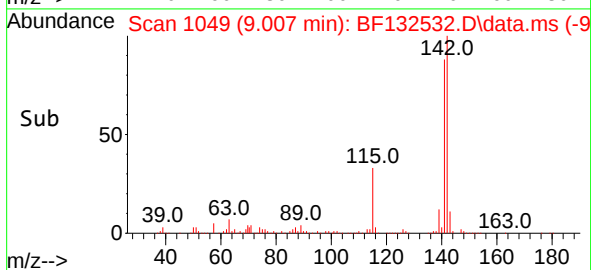
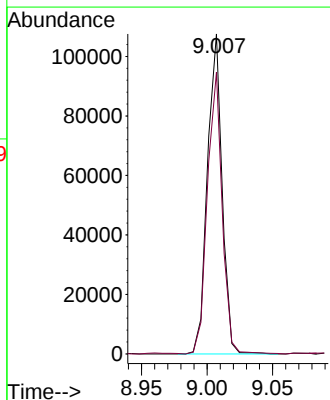
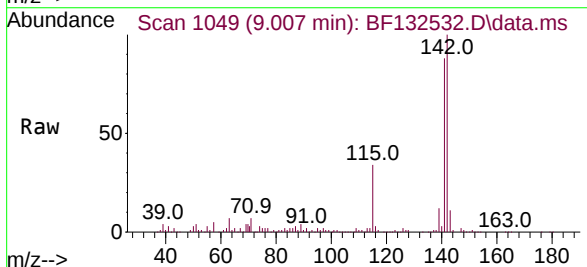
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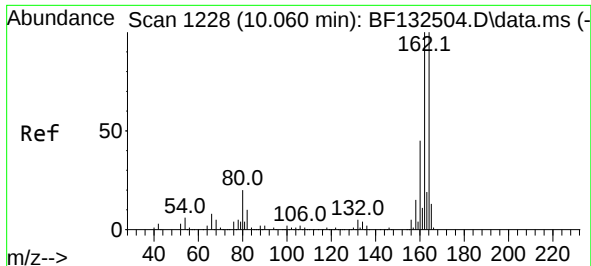
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#37
2-Methylnaphthalene
Concen: 4.323 ng
RT: 9.007 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion:142 Resp: 83603
Ion Ratio Lower Upper
142 100
141 88.0 70.2 105.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.054 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

Instrument :

BNA_F

ClientSampleId :

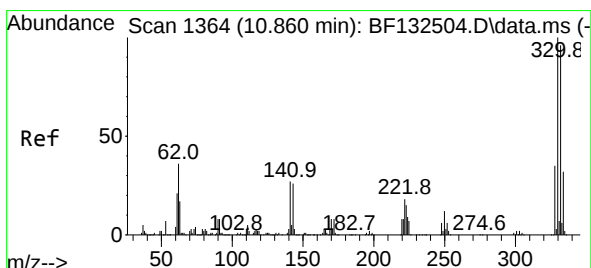
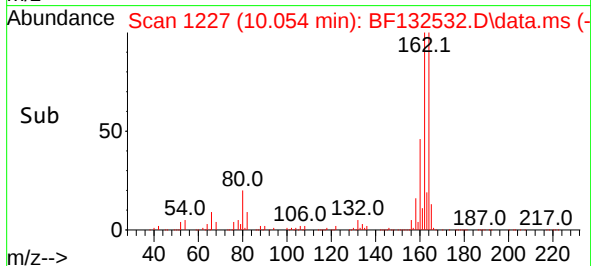
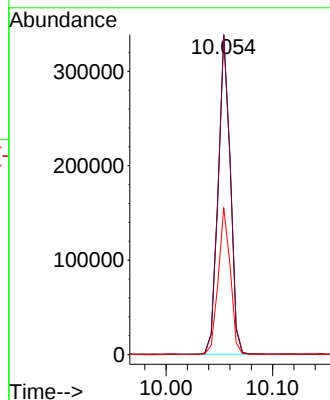
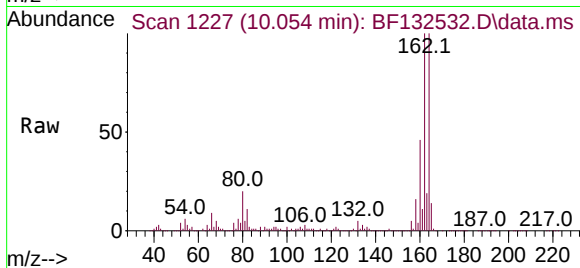
UGT

Tgt Ion:164 Resp: 266915
 Ion Ratio Lower Upper
 164 100
 162 100.1 79.8 119.8
 160 46.0 35.8 53.6

Manual Integrations

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 Supervised By :Jagrut Upadhyay 02/24/2023



#42

2,4,6-Tribromophenol

Concen: 83.209 ng

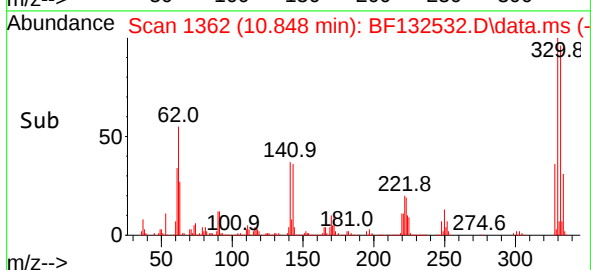
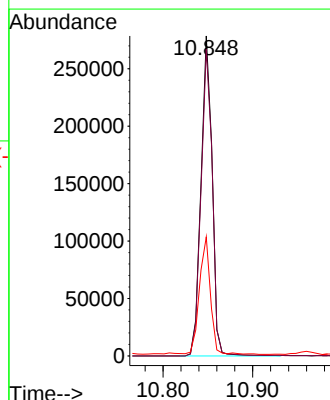
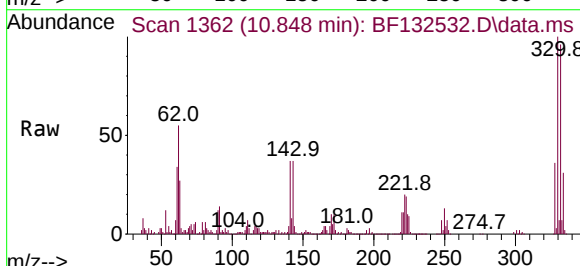
RT: 10.848 min Scan# 1362

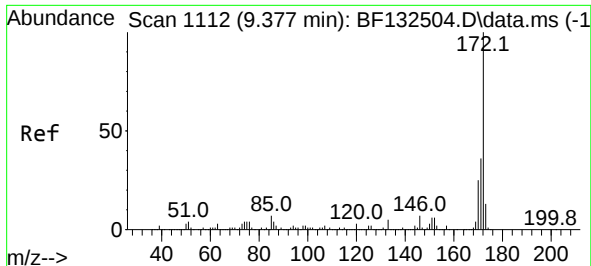
Delta R.T. -0.012 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

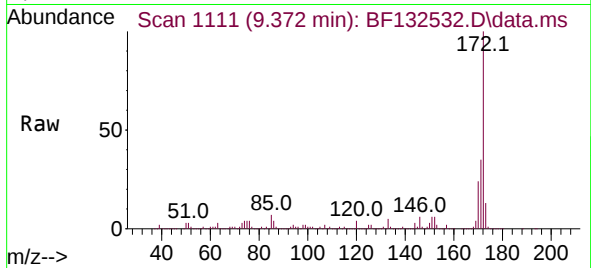
Tgt Ion:330 Resp: 239856
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.2 114.4
 141 36.5 28.4 42.6





#45
2-Fluorobiphenyl
Concen: 77.474 ng
RT: 9.372 min Scan# 1112
Delta R.T. -0.005 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

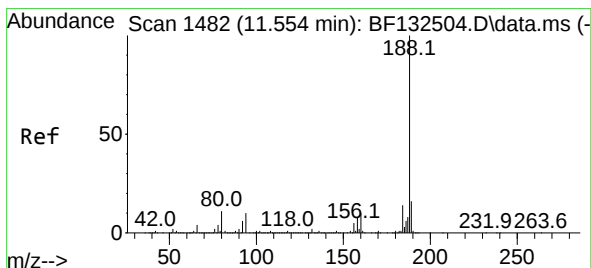
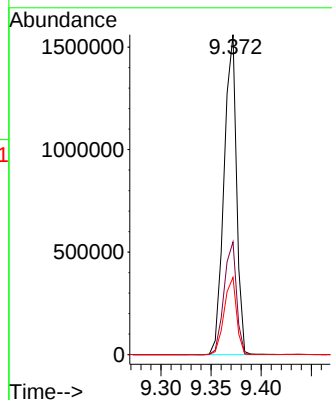
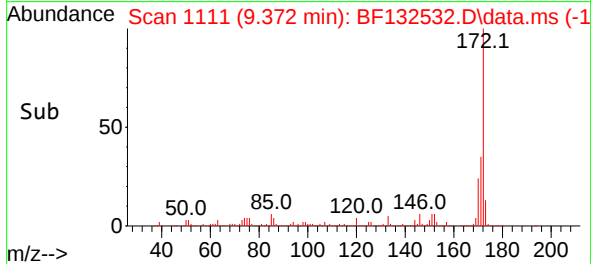
Instrument :
BNA_F
ClientSampleId :
UGT



Tgt Ion:172 Resp: 1358083
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 24.1 19.7 29.5

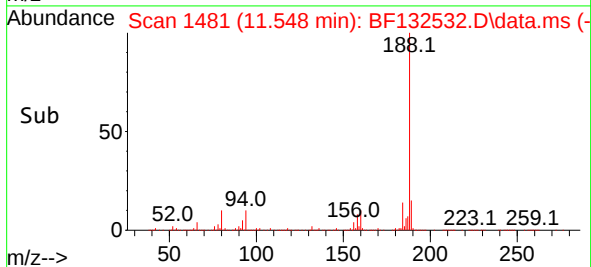
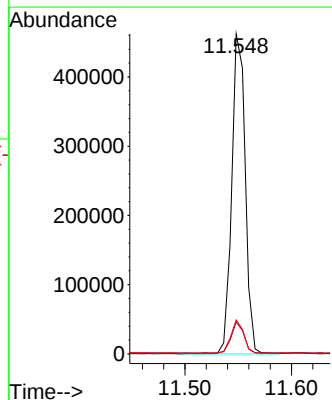
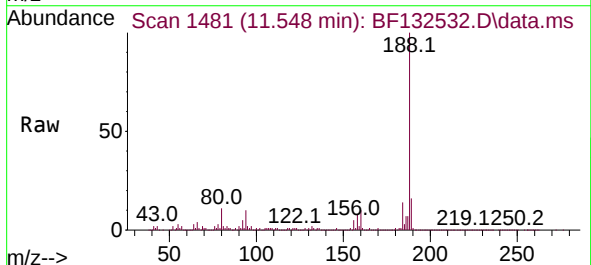
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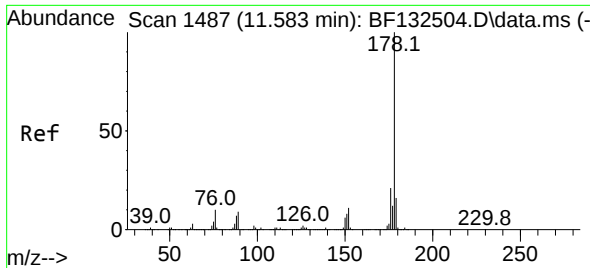
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion:188 Resp: 408226
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.6 8.7 13.1





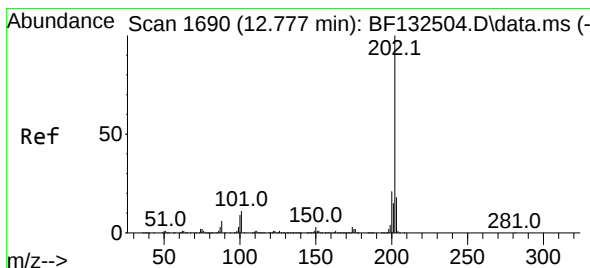
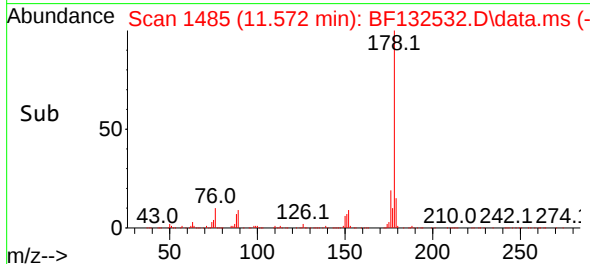
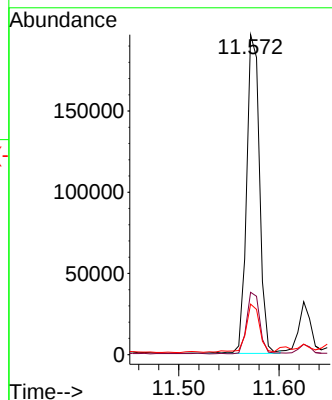
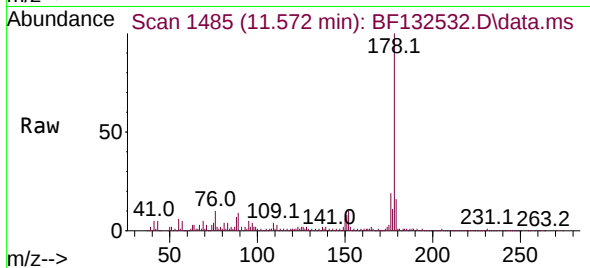
#71
Phenanthrene
Concen: 8.280 ng
RT: 11.572 min Scan# 1487
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Instrument :
BNA_F
ClientSampleId :
UGT

Tgt Ion:178 Resp: 175098
Ion Ratio Lower Upper
178 100
176 19.5 16.5 24.7
179 15.8 13.0 19.6

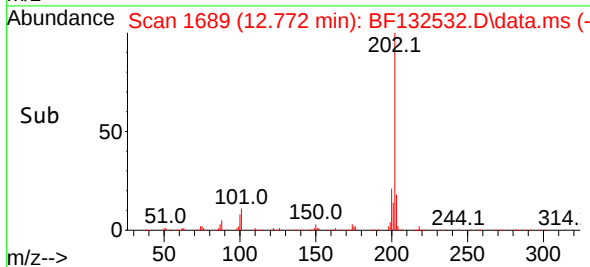
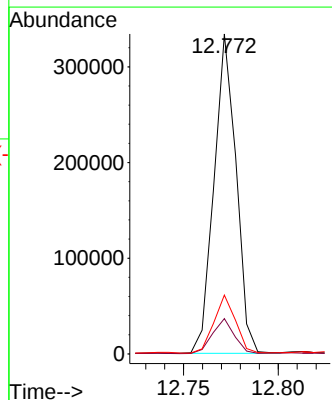
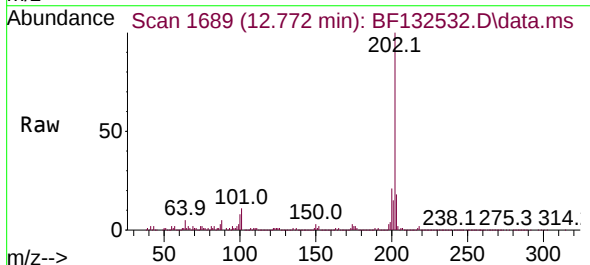
Manual Integrations
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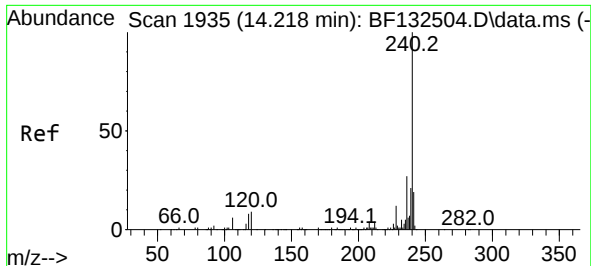
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#75
Fluoranthene
Concen: 11.744 ng
RT: 12.772 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

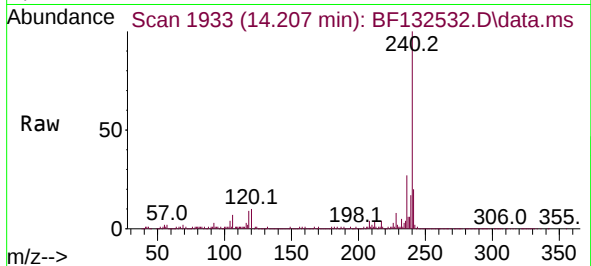
Tgt Ion:202 Resp: 271507
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 18.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

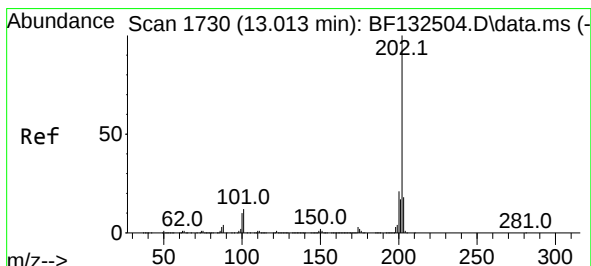
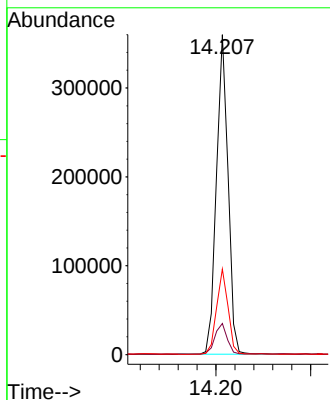
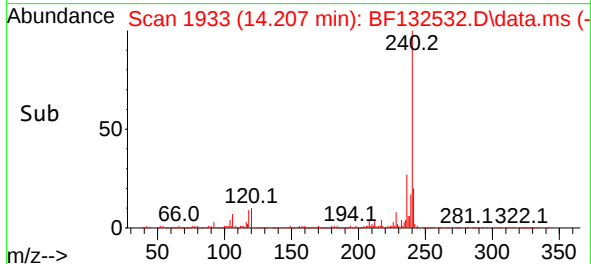
Instrument :
BNA_F
ClientSampleId :
UGT



Tgt Ion:240 Resp: 306072
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 26.7 21.8 32.6

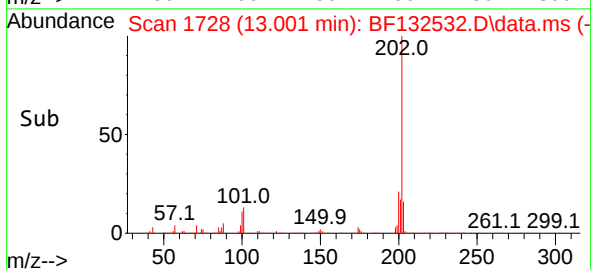
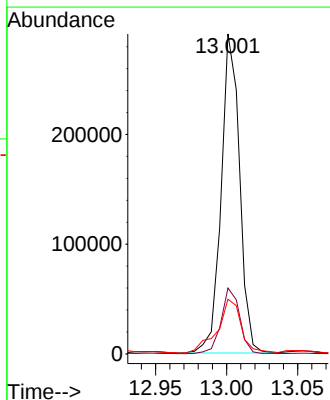
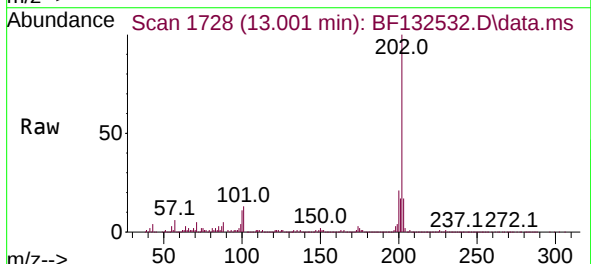
Manual Integrations
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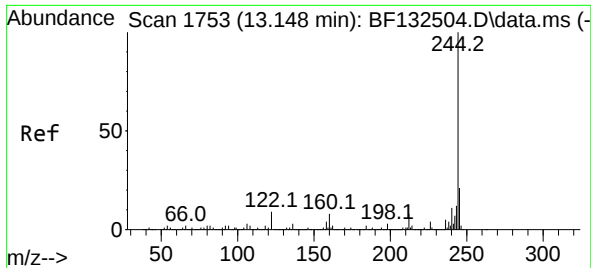
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#78
Pyrene
Concen: 9.449 ng
RT: 13.001 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

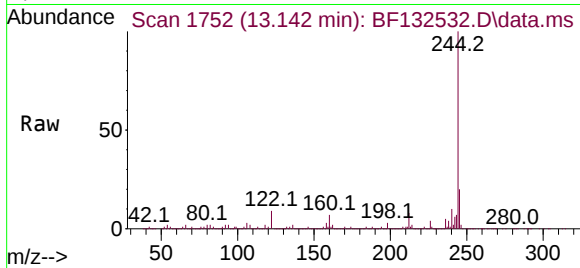
Tgt Ion:202 Resp: 262952
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 62.074 ng
 RT: 13.142 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132532.D
 Acq: 23 Feb 2023 21:28

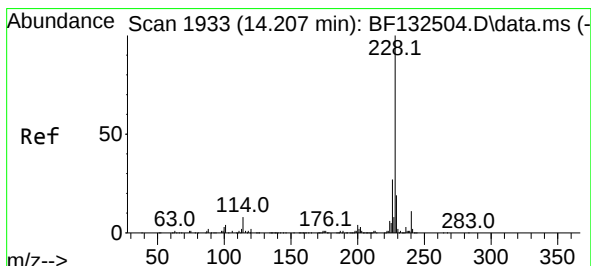
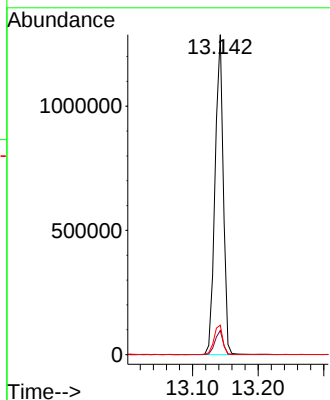
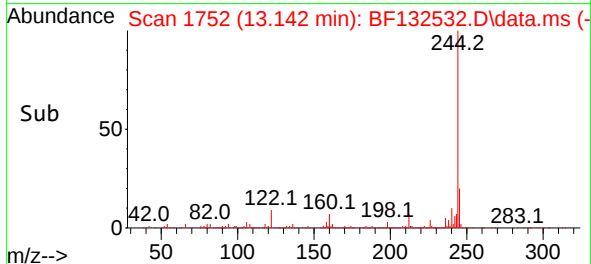
Instrument :
 BNA_F
 ClientSampleId :
 UGT



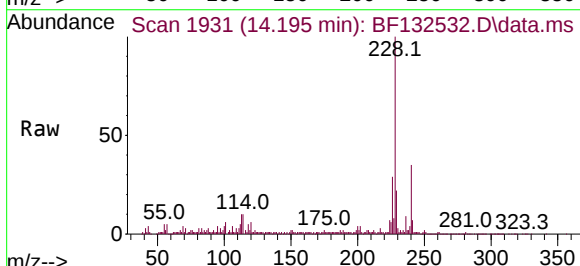
Tgt Ion:244 Resp: 1123736
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.5 9.7
 122 9.2 7.5 11.3

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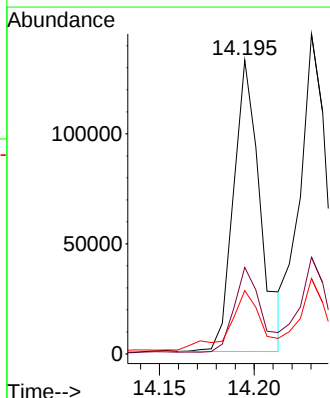
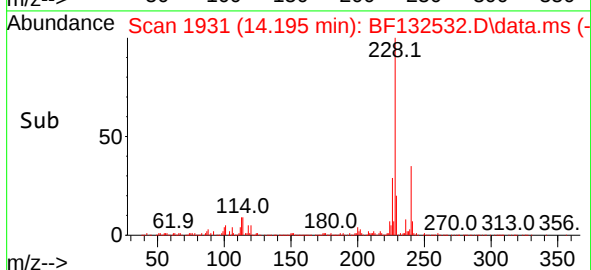
Reviewed By :Christian Giraldo 02/24/2023
 Supervised By :Jagrut Upadhyay 02/24/2023

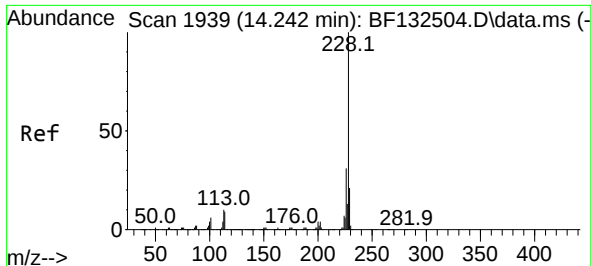


#81
 Benzo(a)anthracene
 Concen: 5.670 ng
 RT: 14.195 min Scan# 1931
 Delta R.T. -0.012 min
 Lab File: BF132532.D
 Acq: 23 Feb 2023 21:28



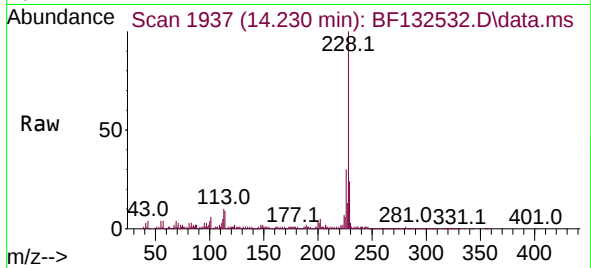
Tgt Ion:228 Resp: 129841
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.7 32.5
 229 21.6 15.4 23.2





#83
Chrysene
Concen: 6.462 ng
RT: 14.230 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

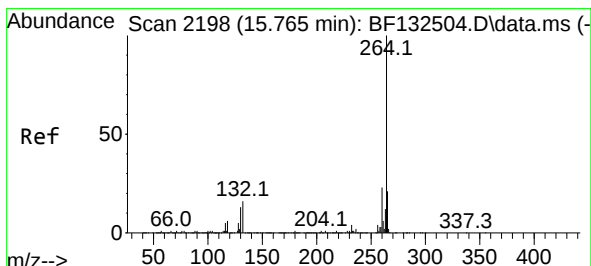
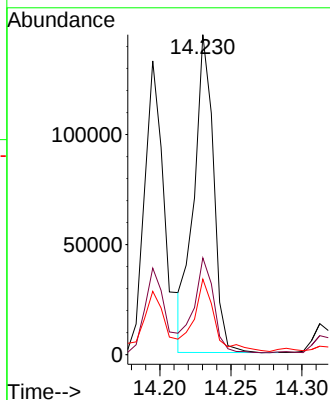
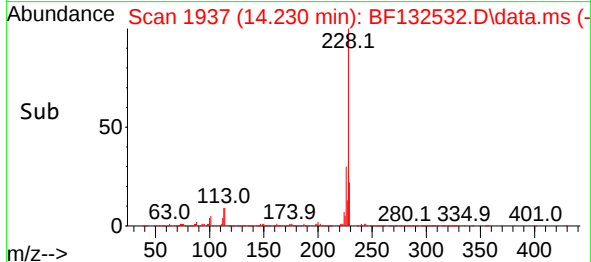
Instrument :
BNA_F
ClientSampleId :
UGT



Tgt Ion:228 Resp: 138372
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 23.6 16.4 24.6

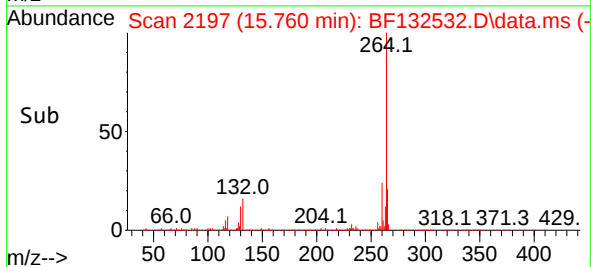
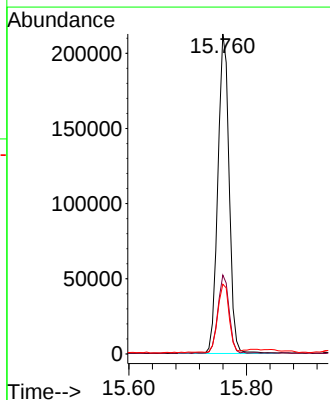
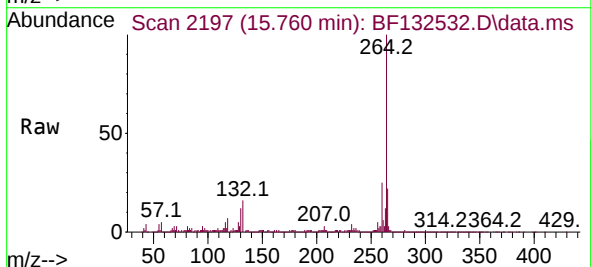
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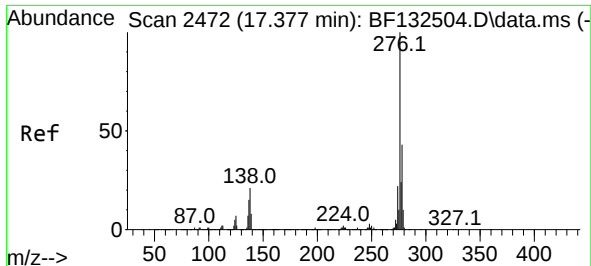
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion:264 Resp: 283647
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 21.8 17.1 25.7





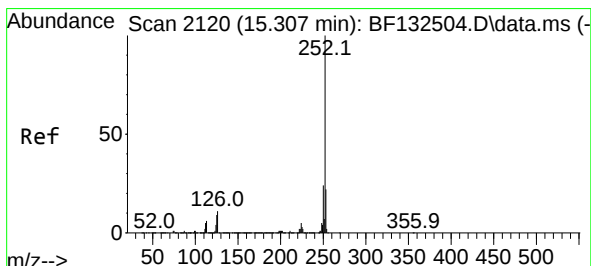
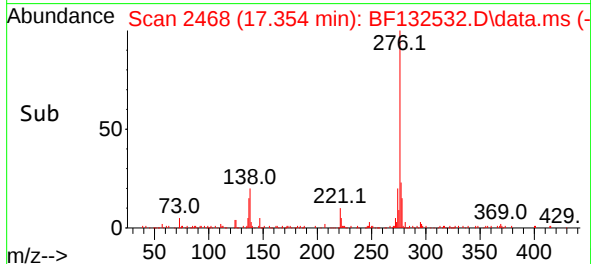
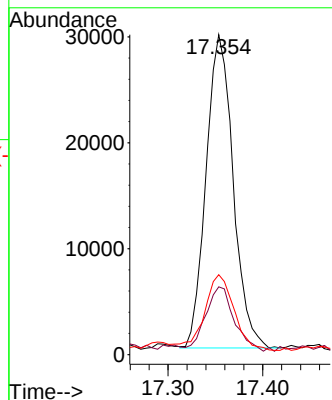
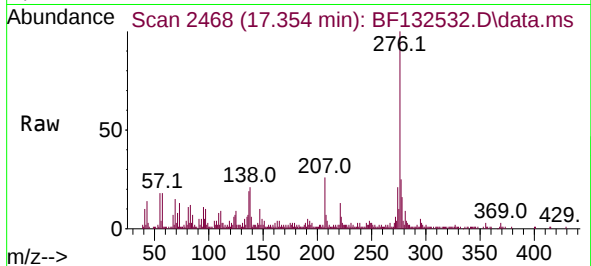
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.163 ng
RT: 17.354 min Scan# 2472
Delta R.T. -0.023 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Instrument :
BNA_F
ClientSampleId :
UGT

Tgt Ion:276 Resp: 58788
Ion Ratio Lower Upper
276 100
138 21.5 19.0 28.4
277 26.4 20.0 30.0

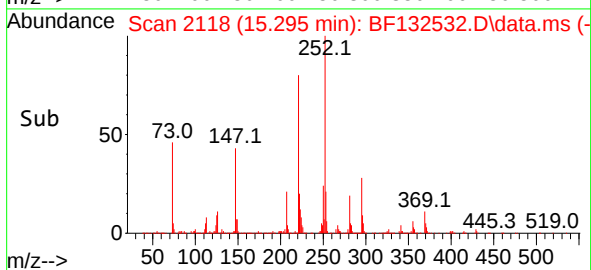
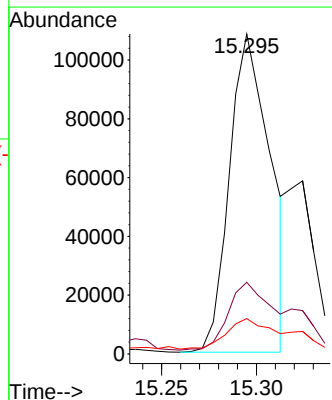
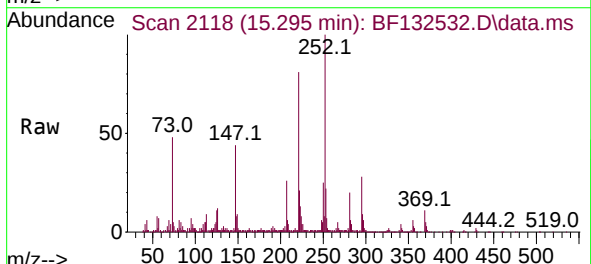
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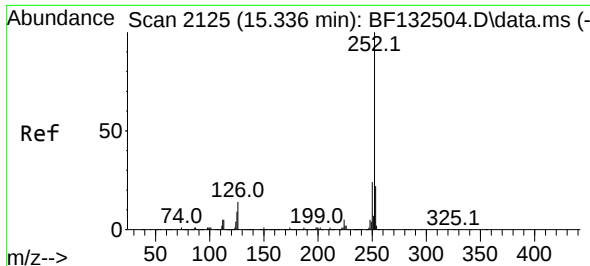
Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#88
Benzo(b)fluoranthene
Concen: 8.519 ng m
RT: 15.295 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion:252 Resp: 161933
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 11.1 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 3.154 ng m

RT: 15.324 min Scan# 2125

Delta R.T. -0.012 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

Instrument :

BNA_F

ClientSampleId :

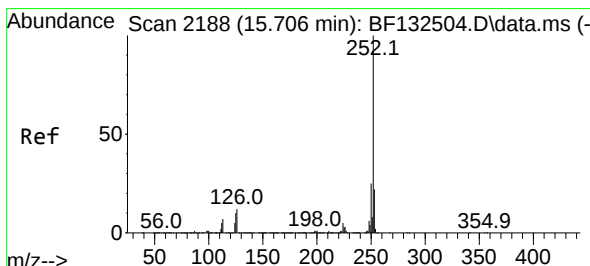
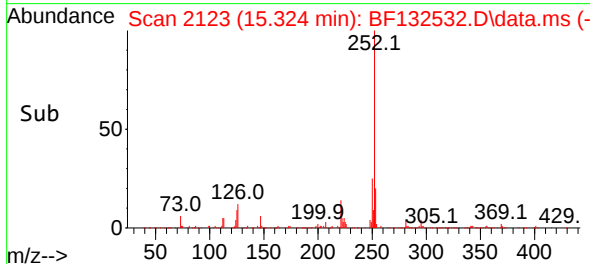
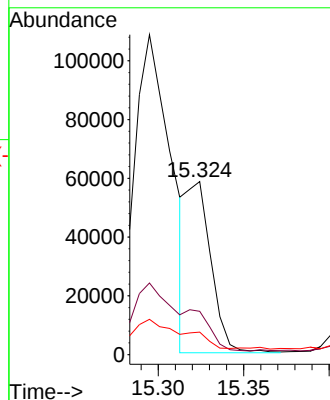
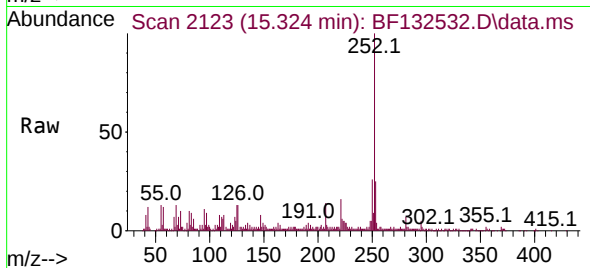
UGT

Tgt Ion:252	Resp:	58682
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.5 26.3
125	13.0	7.2 10.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/24/2023
Supervised By :Jagrut Upadhyay 02/24/2023



#90

Benzo(a)pyrene

Concen: 6.142 ng

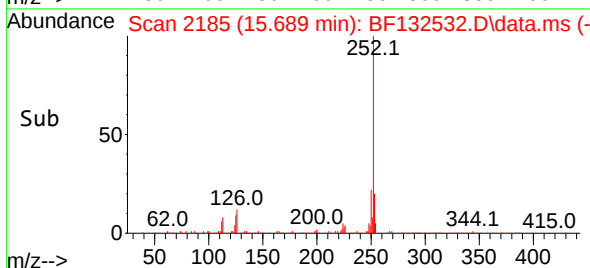
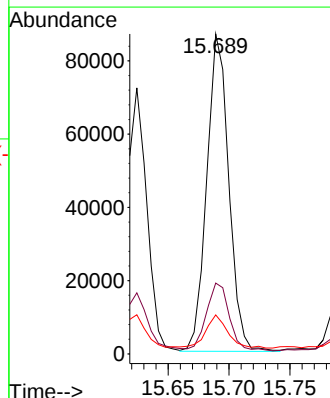
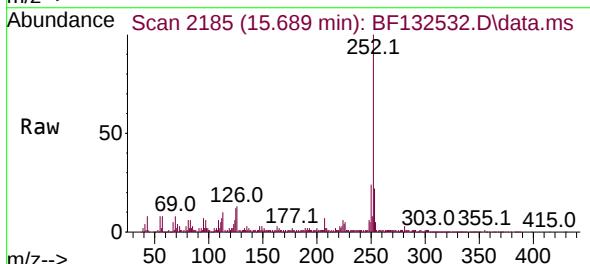
RT: 15.689 min Scan# 2185

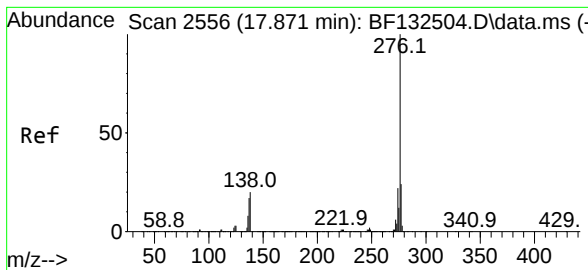
Delta R.T. -0.017 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

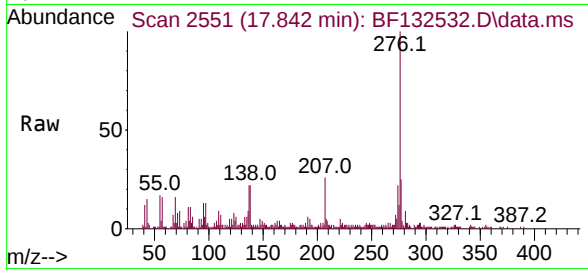
Tgt Ion:252	Resp:	109275
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.2 25.8
125	12.2	8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 4.887 ng
 RT: 17.842 min Scan# 2551
 Delta R.T. -0.029 min
 Lab File: BF132532.D
 Acq: 23 Feb 2023 21:28

Instrument :
 BNA_F
 ClientSampleId :
 UGT



Tgt Ion: 276 Resp: 57959
 Ion Ratio Lower Upper
 276 100
 277 24.9 18.9 28.3
 138 22.0 16.2 24.4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/24/2023
 Supervised By : Jagrut Upadhyay 02/24/2023

