

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

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)

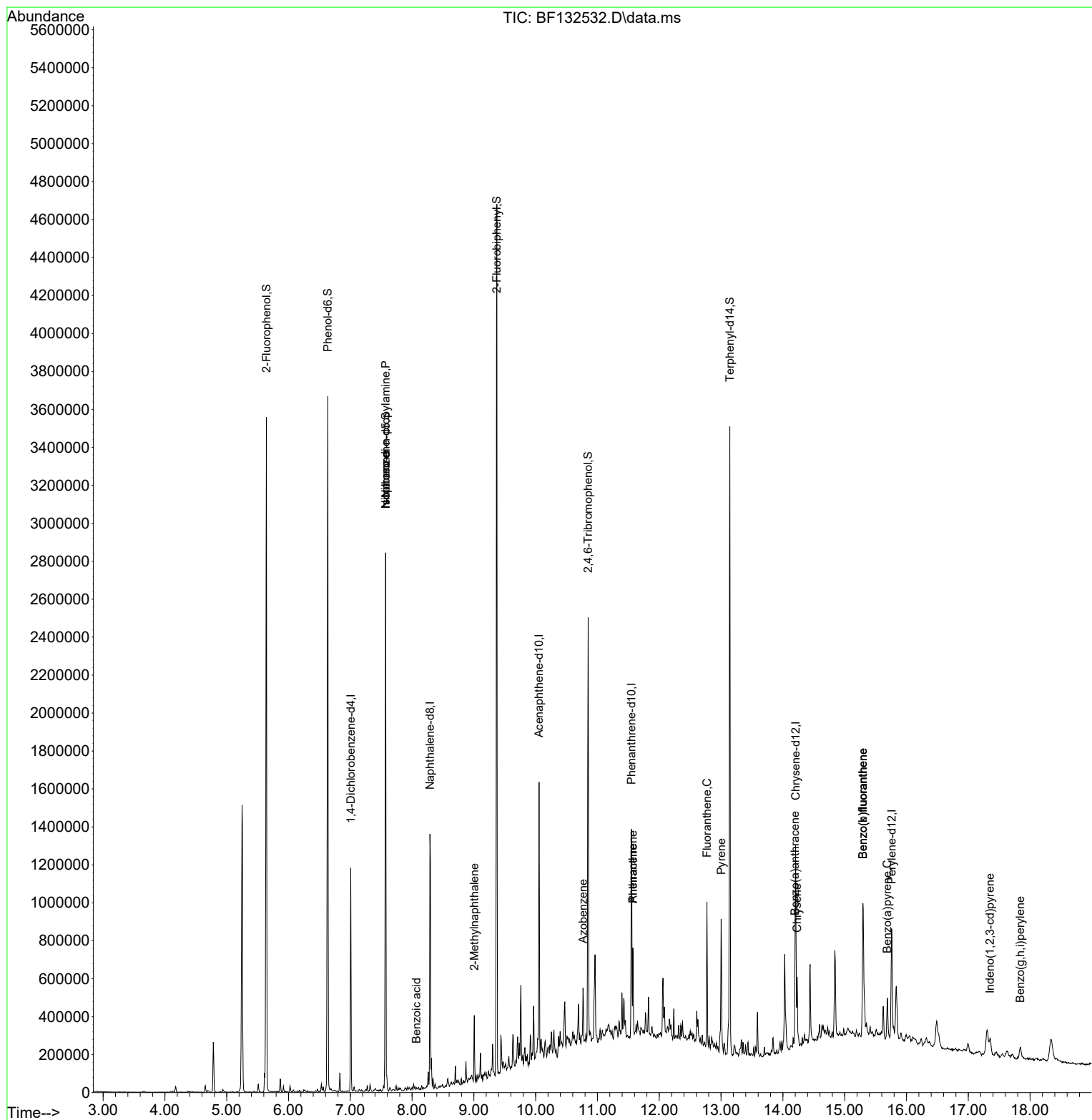
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	150653	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	554276	20.000	ng	-0.01
39) Acenaphthene-d10	10.054	164	266915	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	408226	20.000	ng	0.00
76) Chrysene-d12	14.207	240	306077	20.000	ng	-0.01
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.572	70	119024	15.964	ng	# 78
25) Isophorone	7.572	82	872707	38.963	ng	# 67
32) Benzoic acid	8.072	122	726	3.933	ng	# 13
37) 2-Methylnaphthalene	9.007	142	83603	4.323	ng	100
63) Azobenzene	10.766	77	48281	2.402	ng	# 1
71) Phenanthrene	11.572	178	175098	8.280	ng	98
72) Anthracene	11.572	178	175098	8.040	ng	100
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	220690	11.610	ng	# 97
89) Benzo(k)fluoranthene	15.295	252	220690	11.863	ng	# 98
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

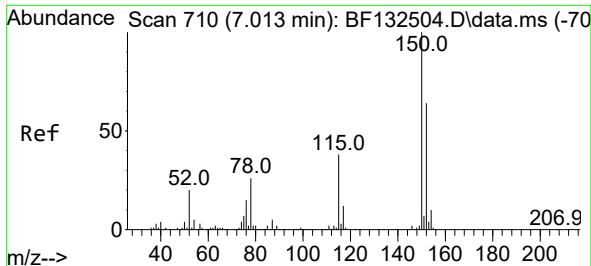
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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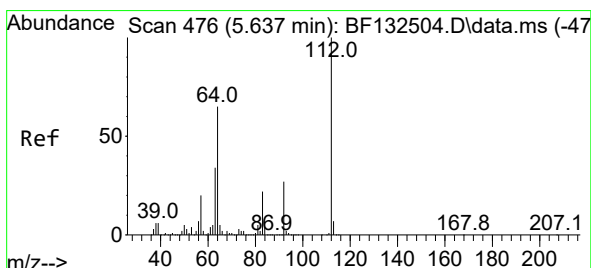
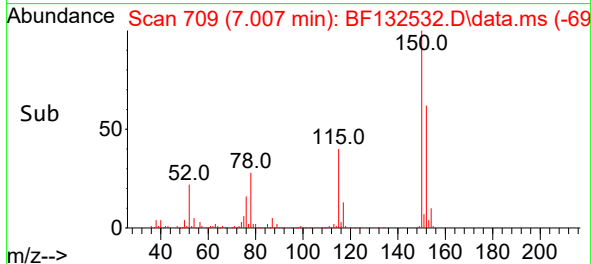
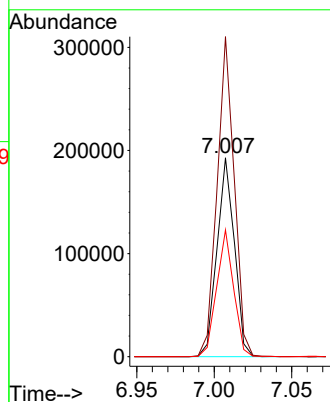
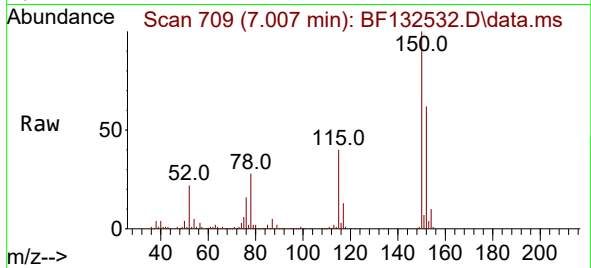




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

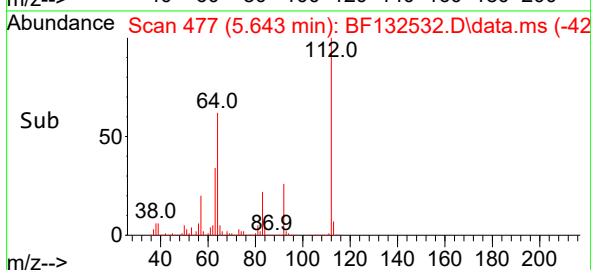
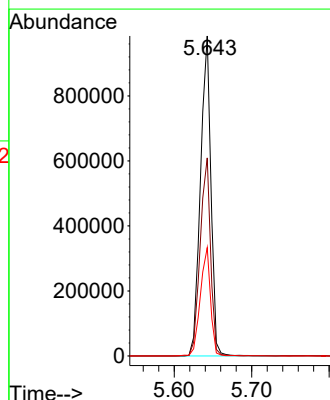
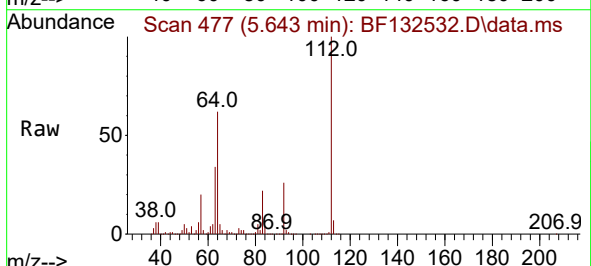
Instrument :
BNA_F
ClientSampleId :
UGT

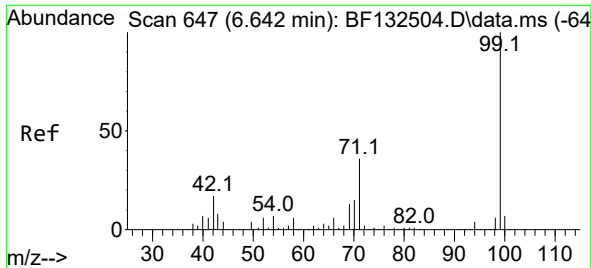
Tgt Ion:152 Resp: 150653
Ion Ratio Lower Upper
152 100
150 160.8 125.4 188.2
115 63.7 47.8 71.6



#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

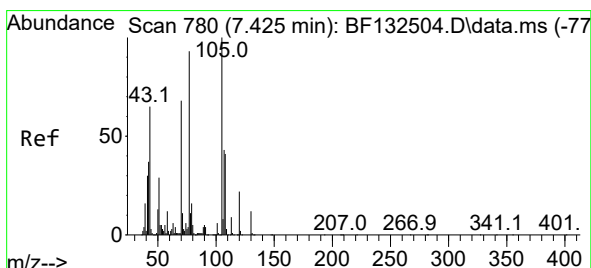
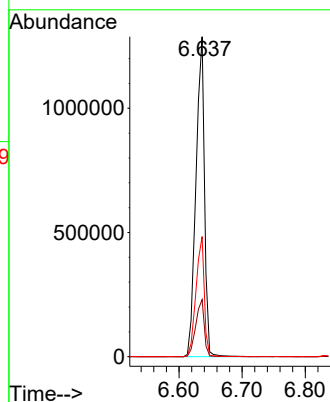
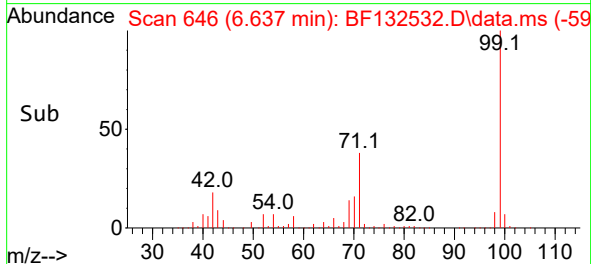
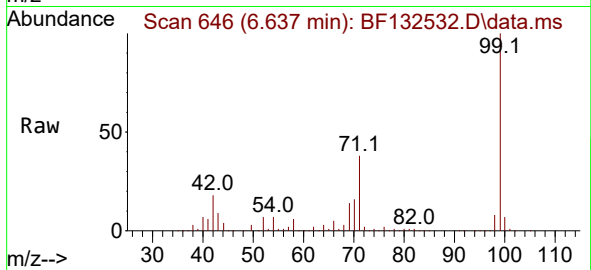




#7
Phenol-d6
Concen: 99.841 ng
RT: 6.637 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

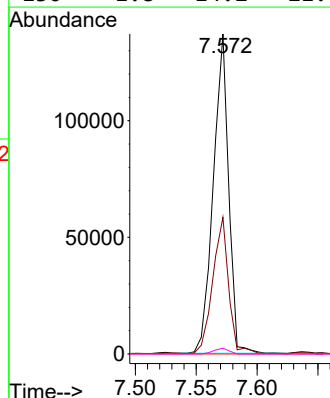
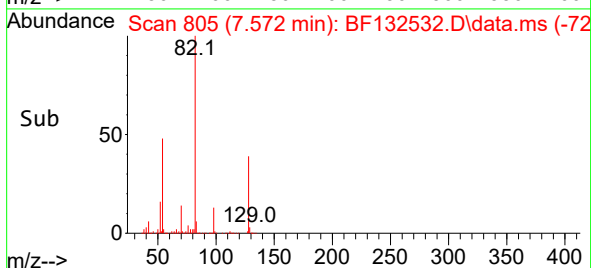
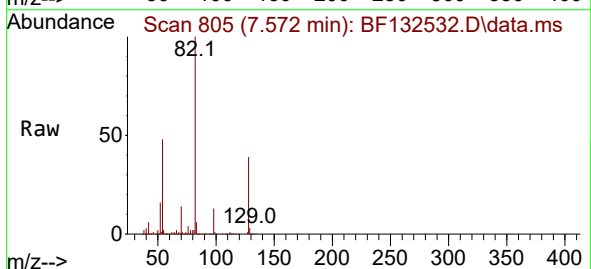
Instrument :
BNA_F
ClientSampleId :
UGT

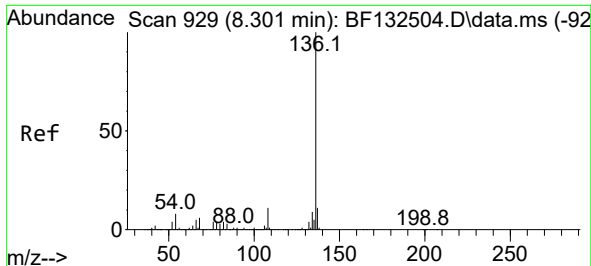
Tgt Ion: 99 Resp: 1209534
Ion Ratio Lower Upper
99 100
42 17.9 13.9 20.9
71 37.6 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.964 ng
RT: 7.572 min Scan# 805
Delta R.T. 0.147 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion: 70 Resp: 119024
Ion Ratio Lower Upper
70 100
42 42.7 44.1 66.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#

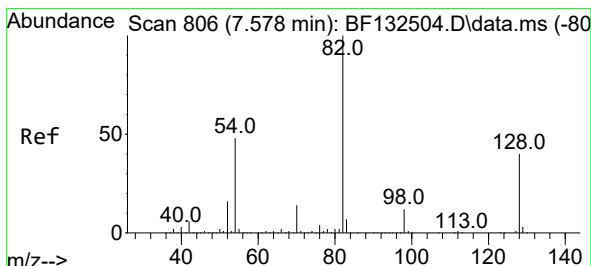
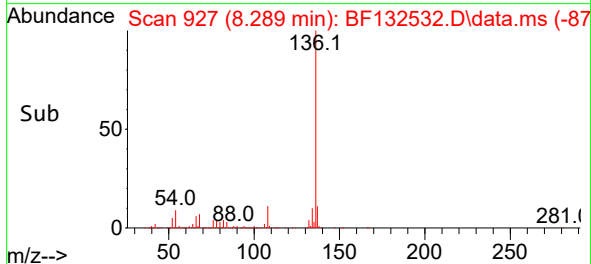
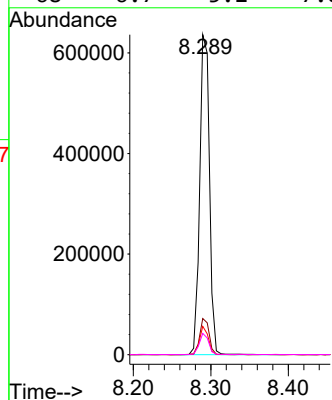
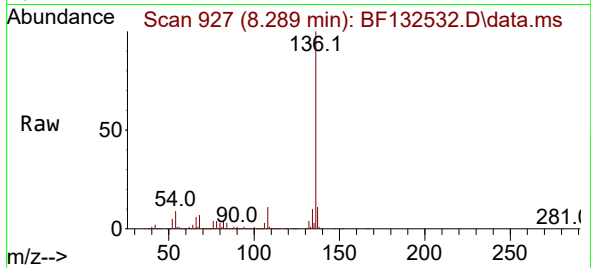




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

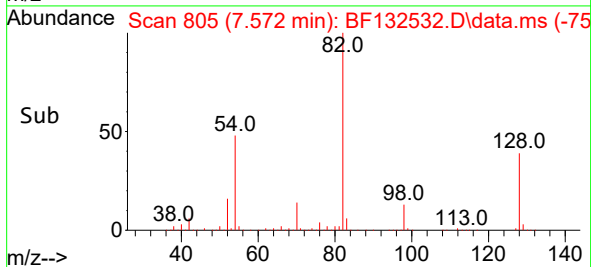
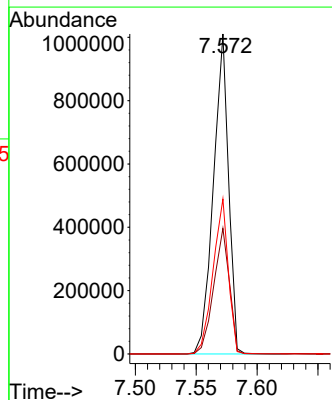
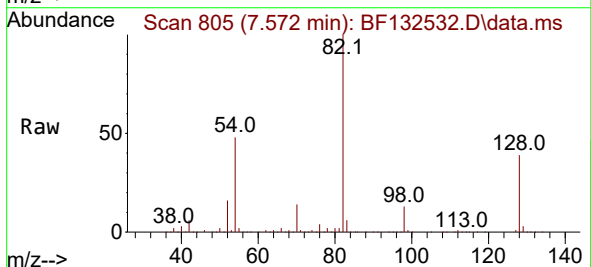
Instrument :
BNA_F
ClientSampleId :
UGT

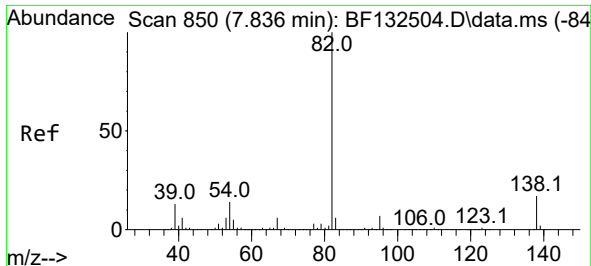
Tgt Ion:136 Resp: 554276
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 8.9 6.2 9.4
68 6.7 5.2 7.8



#23
Nitrobenzene-d5
Concen: 74.701 ng
RT: 7.572 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion: 82 Resp: 872707
Ion Ratio Lower Upper
82 100
128 39.3 32.2 48.2
54 48.5 38.4 57.6

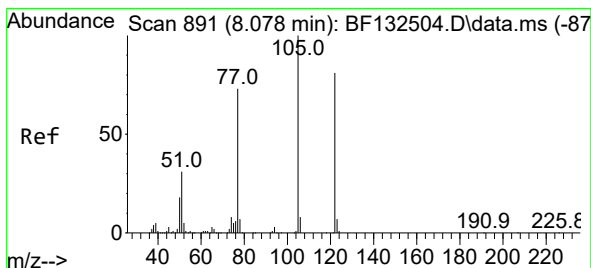
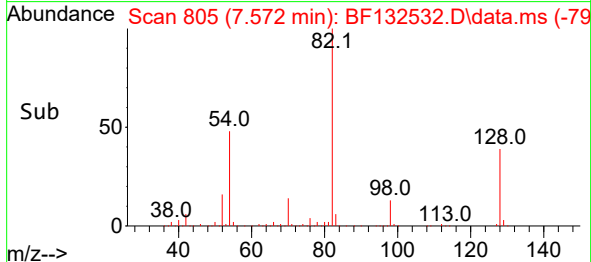
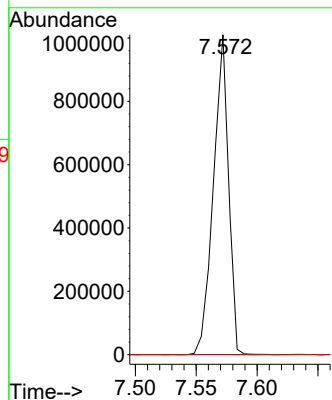
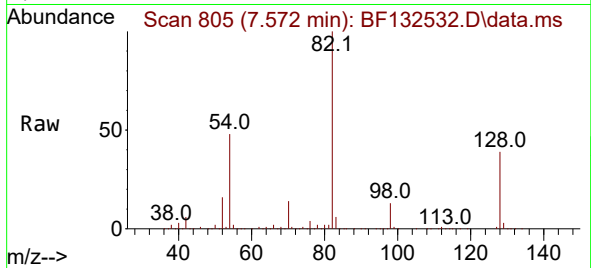




#25
Isophorone
Concen: 38.963 ng
RT: 7.572 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

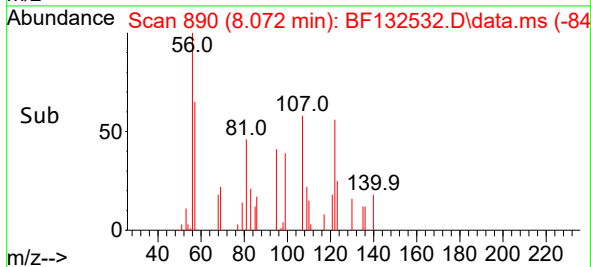
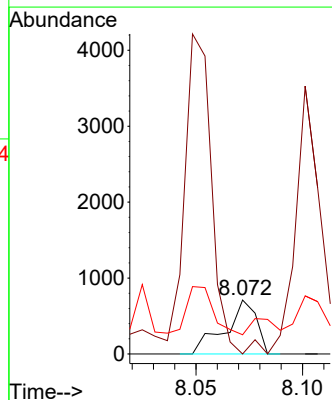
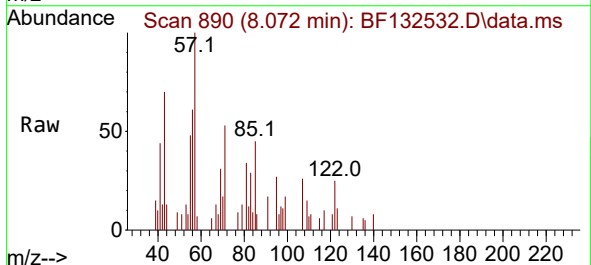
Instrument :
BNA_F
ClientSampleId :
UGT

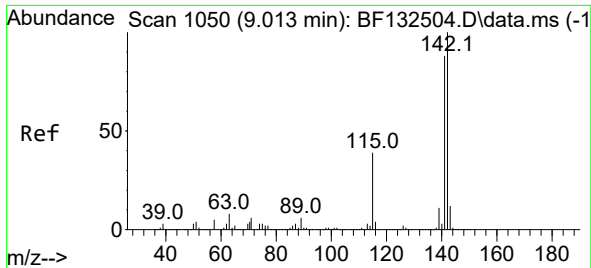
Tgt Ion: 82 Resp: 872707
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.933 ng
RT: 8.072 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion: 122 Resp: 726
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 35.7 70.2 110.2#

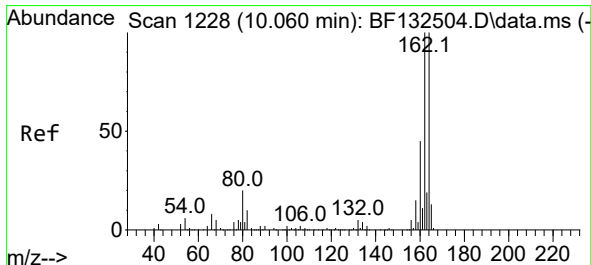
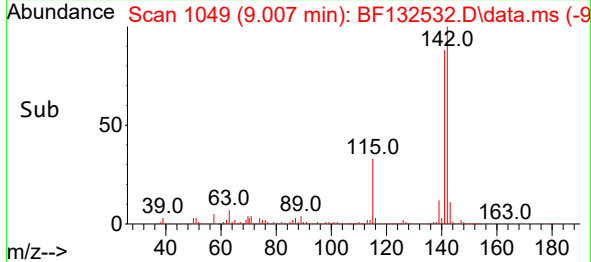
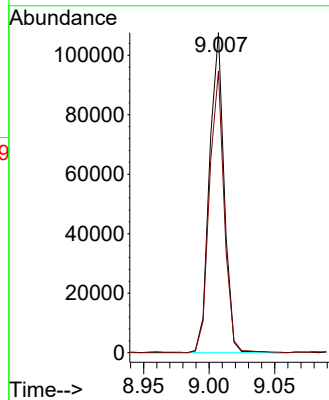
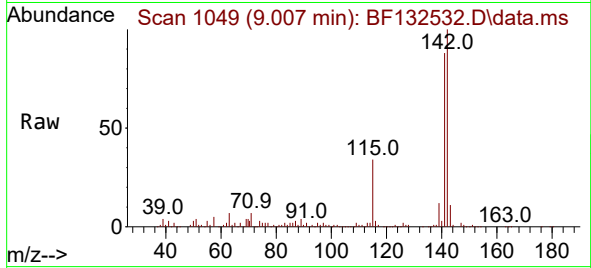




#37
2-Methylnaphthalene
Concen: 4.323 ng
RT: 9.007 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

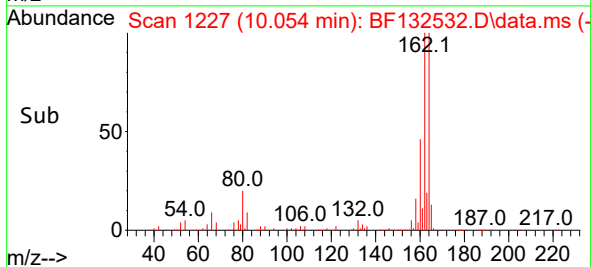
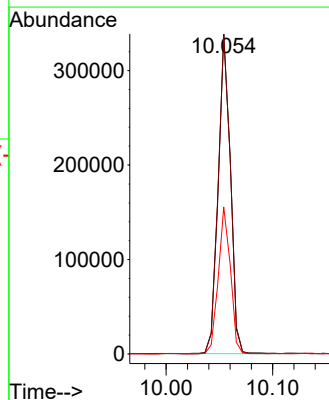
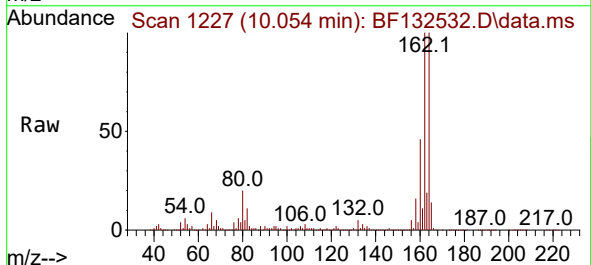
Instrument :
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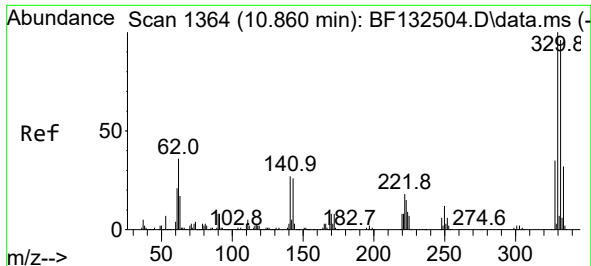
Tgt Ion:142 Resp: 83603
Ion Ratio Lower Upper
142 100
141 88.0 70.2 105.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

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

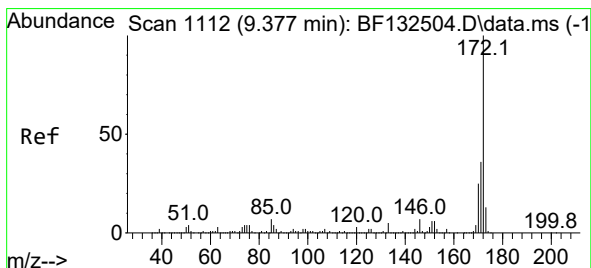
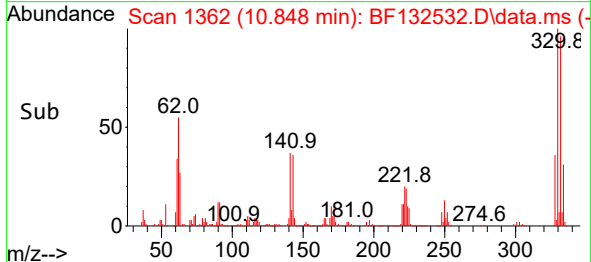
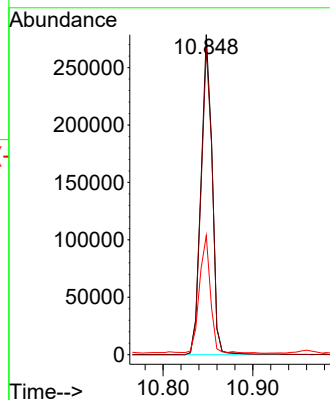
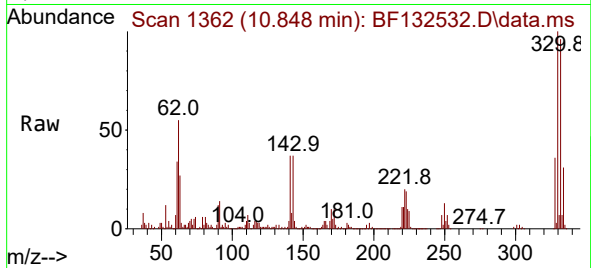




#42
2,4,6-Tribromophenol
Concen: 83.209 ng
RT: 10.848 min Scan# 1111
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

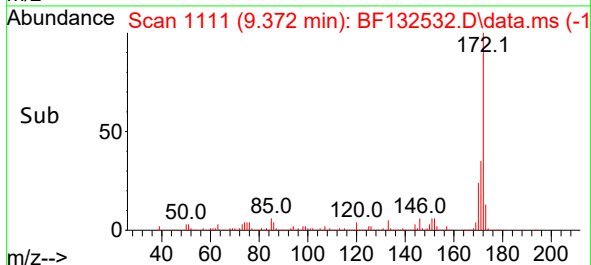
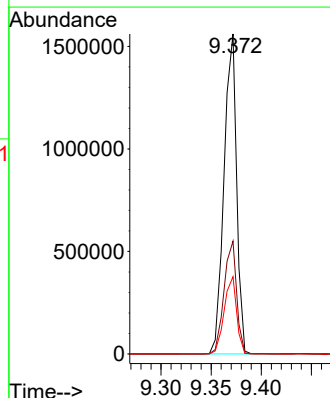
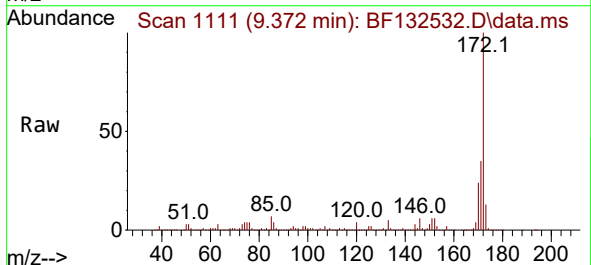
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UGT

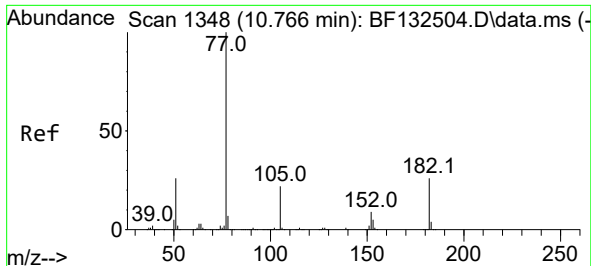
Tgt Ion:330 Resp: 239856
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 36.5 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 77.474 ng
RT: 9.372 min Scan# 1111
Delta R.T. -0.005 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

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

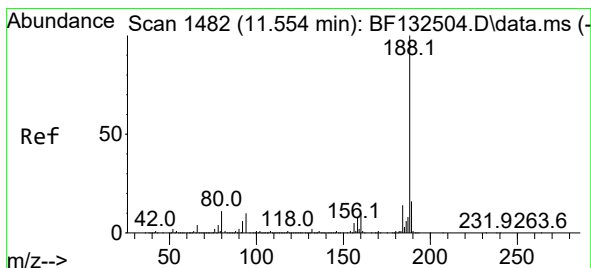
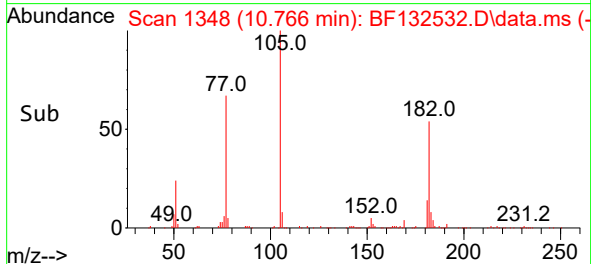
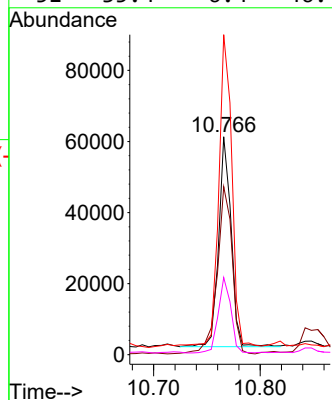
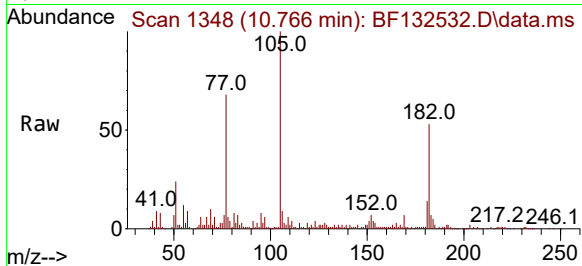




#63
Azobenzene
Concen: 2.402 ng
RT: 10.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

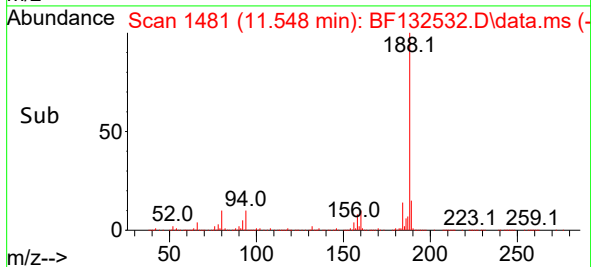
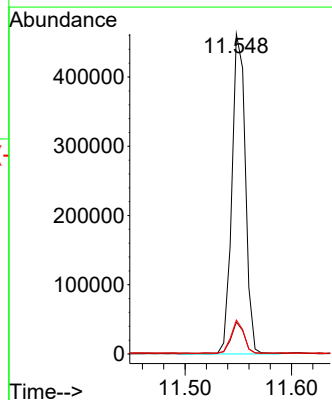
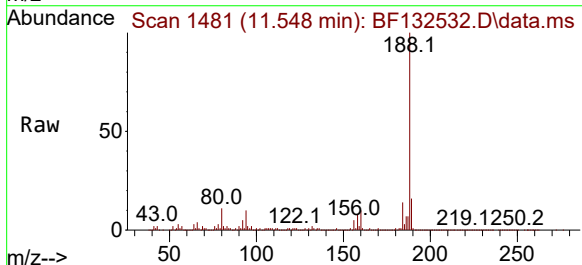
Instrument :
BNA_F
ClientSampleId :
UGT

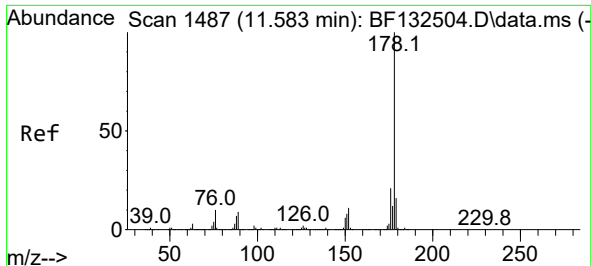
Tgt Ion: 77	Resp: 48281
Ion Ratio	Lower Upper
77 100	
182 77.1	5.5 45.5#
105 146.8	1.8 41.8#
51 35.4	6.4 46.4



#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

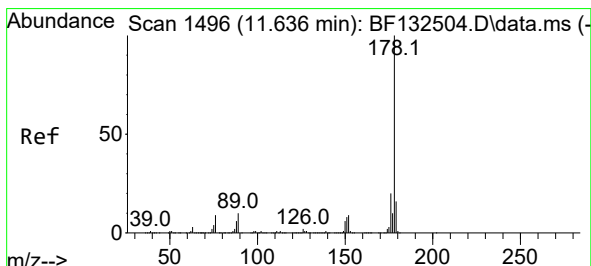
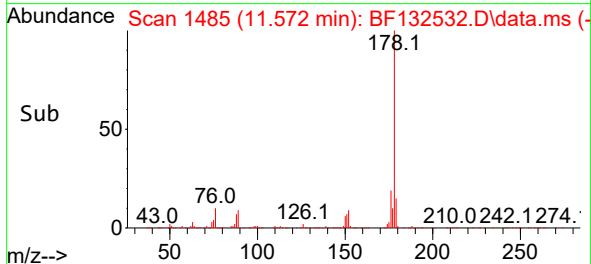
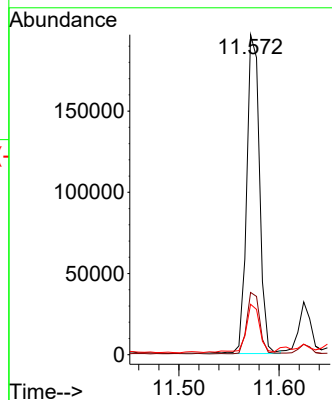
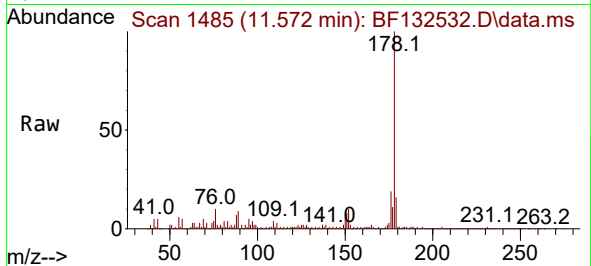




#71
Phenanthrene
Concen: 8.280 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

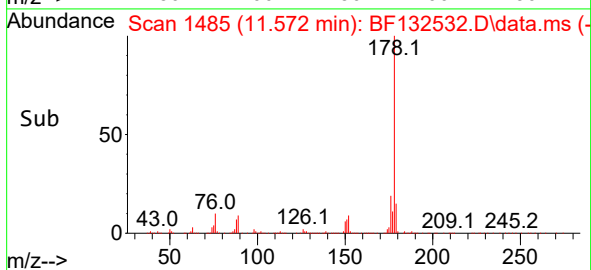
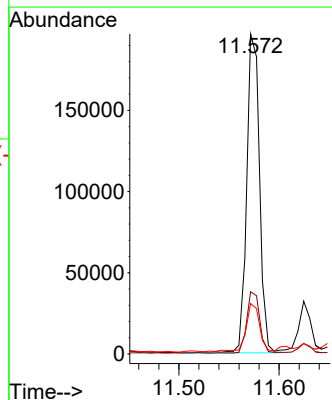
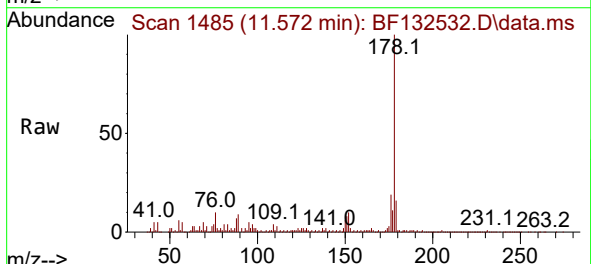
Instrument :
BNA_F
ClientSampleId :
UGT

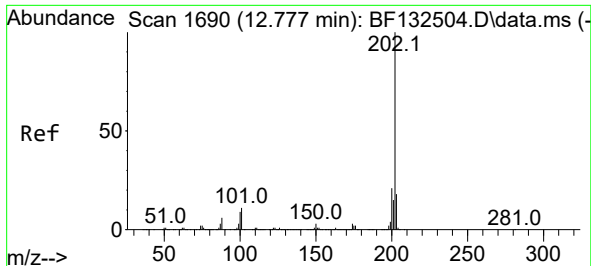
Tgt Ion:178 Resp: 175098
Ion Ratio Lower Upper
178 100
176 19.5 16.5 24.7
179 15.8 13.0 19.6



#72
Anthracene
Concen: 8.040 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.065 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion:178 Resp: 175098
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.8 12.5 18.7

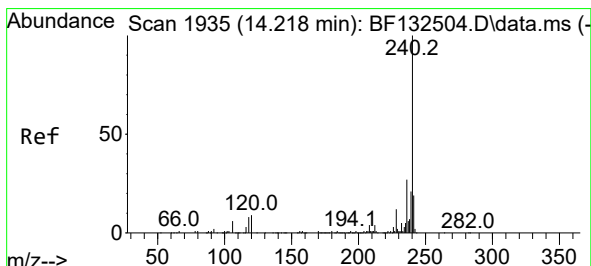
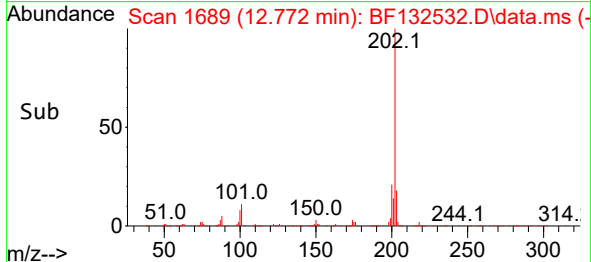
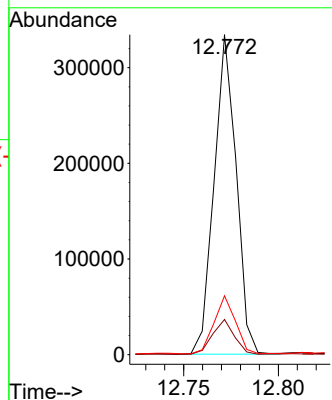
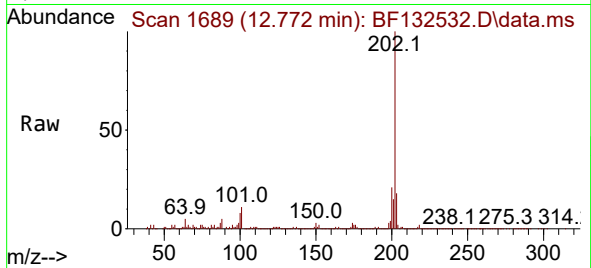




#75
Fluoranthene
Concen: 11.744 ng
RT: 12.772 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

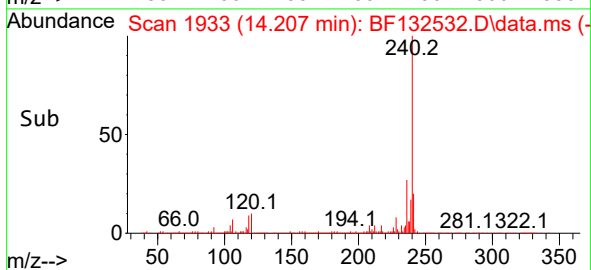
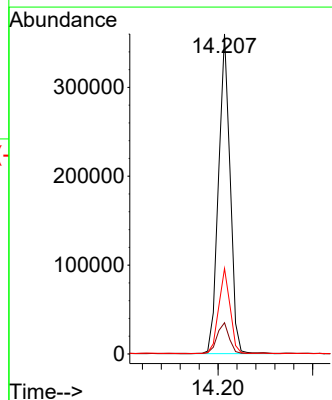
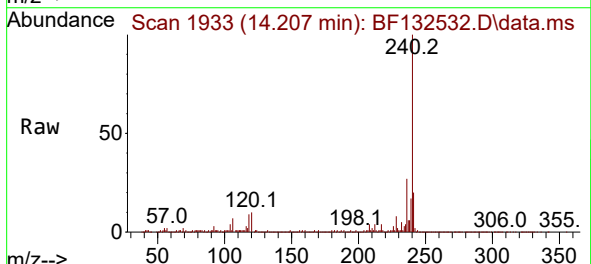
Instrument :
BNA_F
ClientSampleId :
UGT

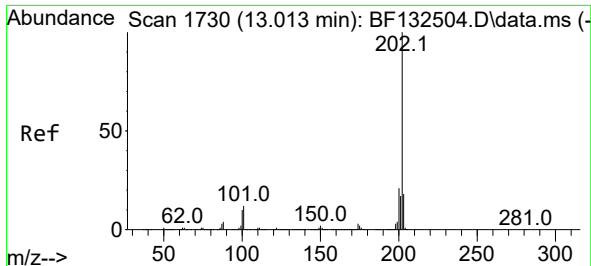
Tgt Ion:202 Resp: 271507
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 18.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion:240 Resp: 306077
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 26.7 21.8 32.6

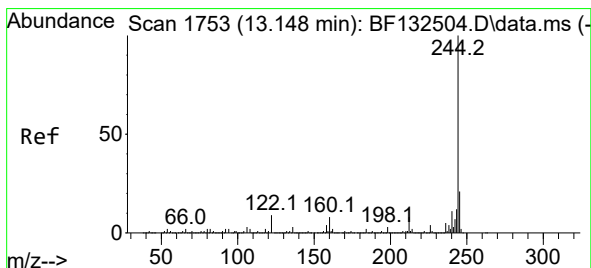
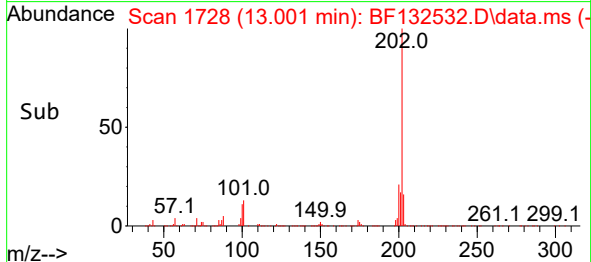
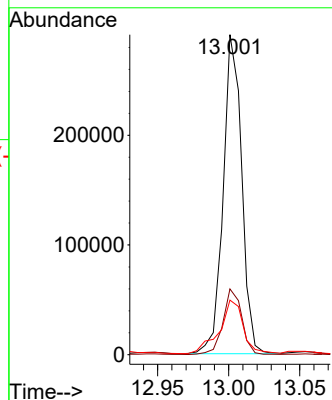
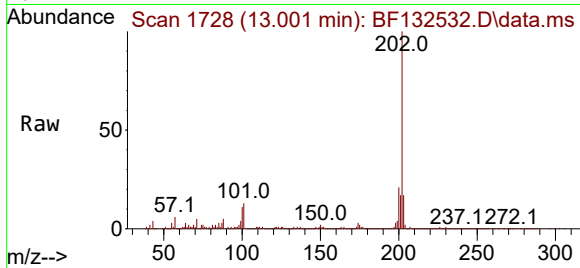




#78
Pyrene
Concen: 9.449 ng
RT: 13.001 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

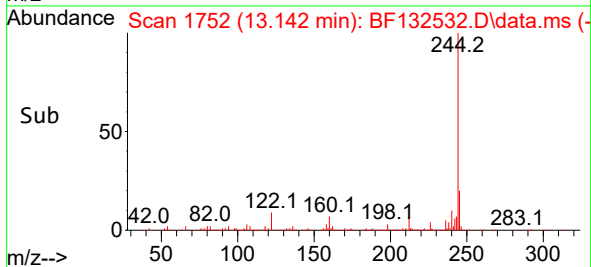
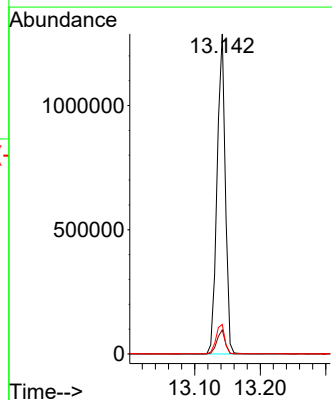
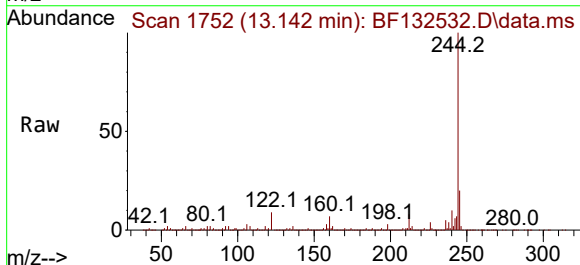
Instrument :
BNA_F
ClientSampleId :
UGT

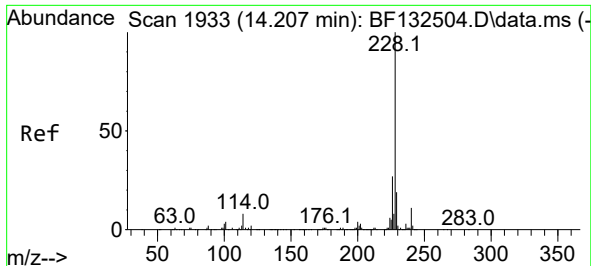
Tgt Ion:202 Resp: 262952
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 17.1 14.6 21.8



#79
Terphenyl-d14
Concen: 62.074 ng
RT: 13.142 min Scan# 1752
Delta R.T. -0.006 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

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

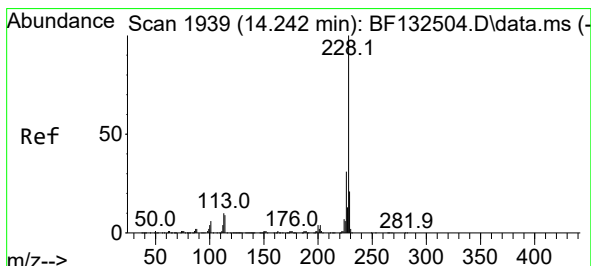
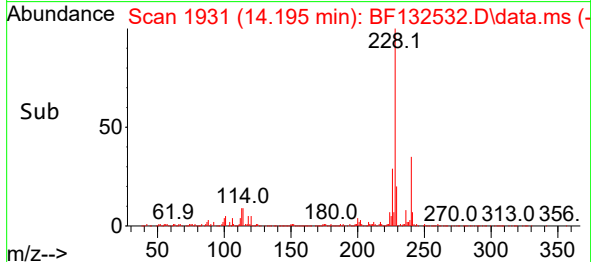
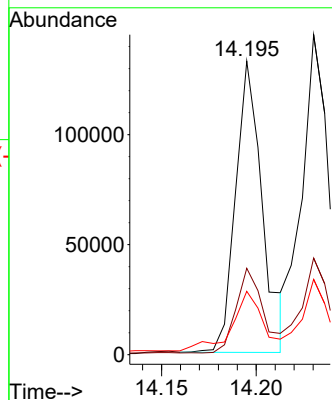
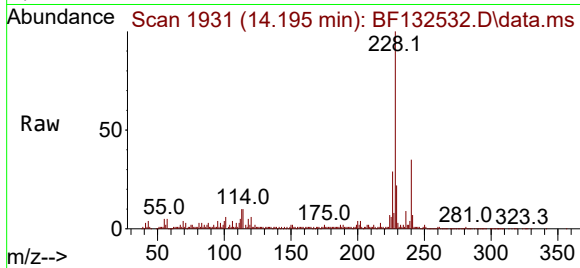




#81
Benzo(a)anthracene
Concen: 5.670 ng
RT: 14.195 min Scan# 1931
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

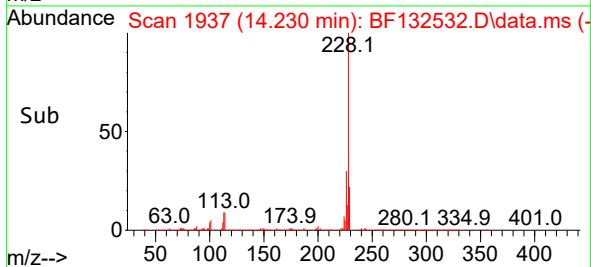
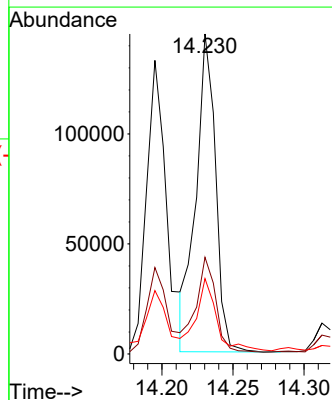
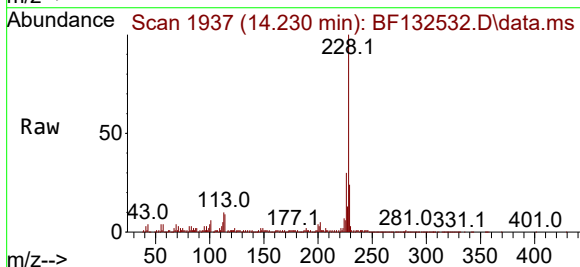
Instrument :
BNA_F
ClientSampleId :
UGT

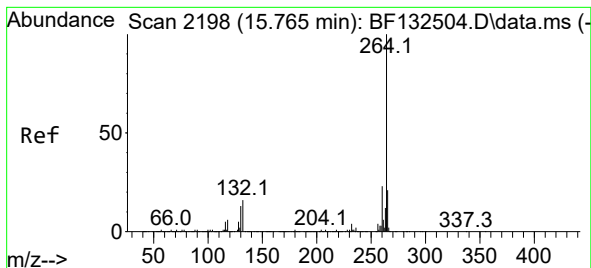
Tgt Ion:228 Resp: 129841
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 21.6 15.4 23.2



#83
Chrysene
Concen: 6.462 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132532.D
Acq: 23 Feb 2023 21:28

Tgt Ion:228 Resp: 138377
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 23.6 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.760 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

Instrument :

BNA_F

ClientSampleId :

UGT

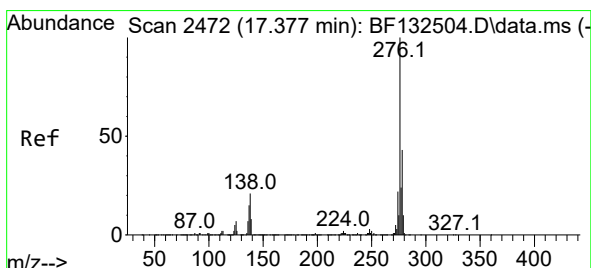
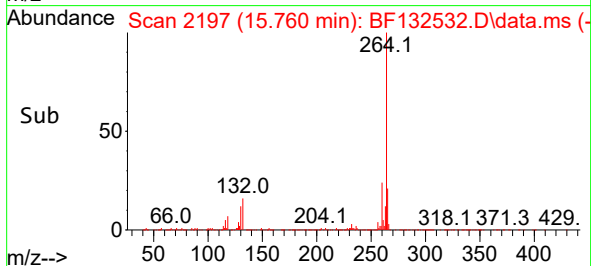
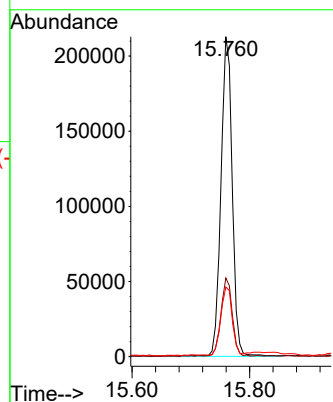
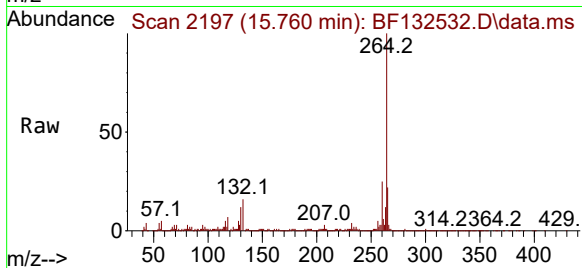
Tgt Ion:264 Resp: 283647

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# 2468

Delta R.T. -0.023 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

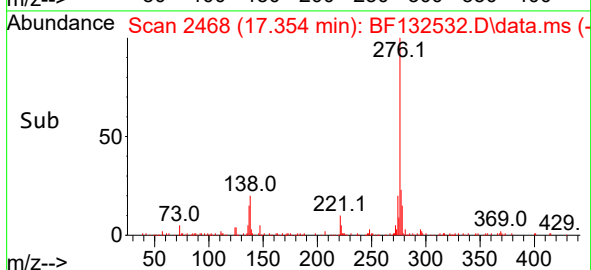
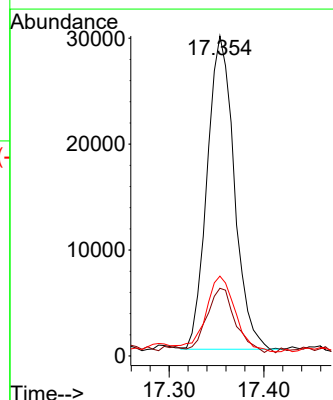
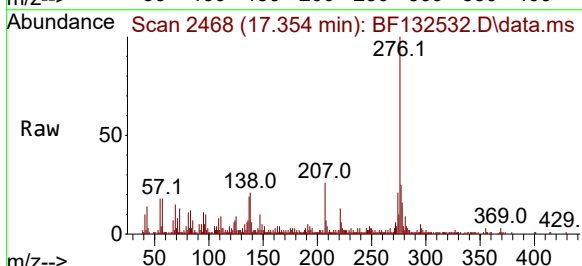
Tgt Ion:276 Resp: 58788

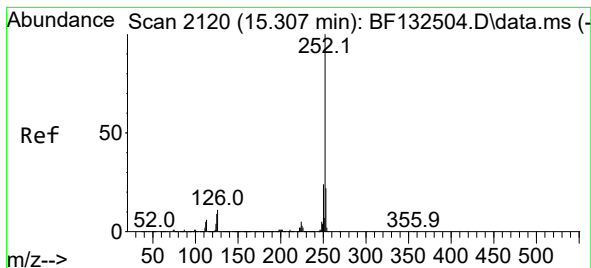
Ion Ratio Lower Upper

276 100

138 21.5 19.0 28.4

277 26.4 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 11.610 ng

RT: 15.295 min Scan# 2118

Delta R.T. -0.012 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

Instrument :

BNA_F

ClientSampleId :

UGT

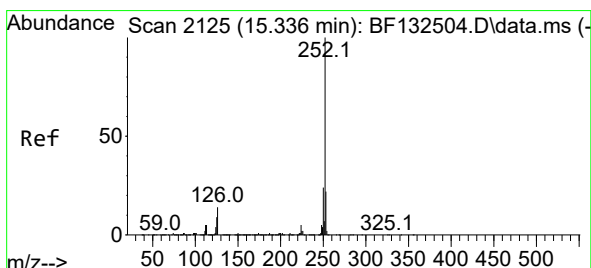
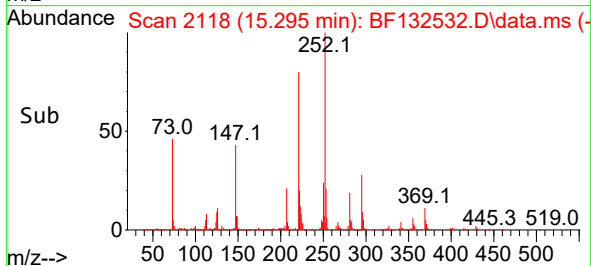
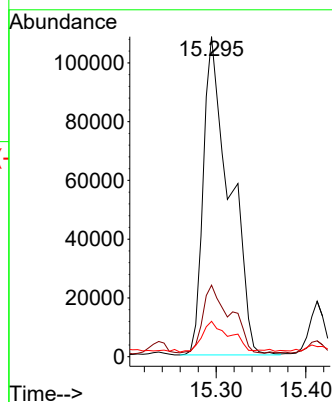
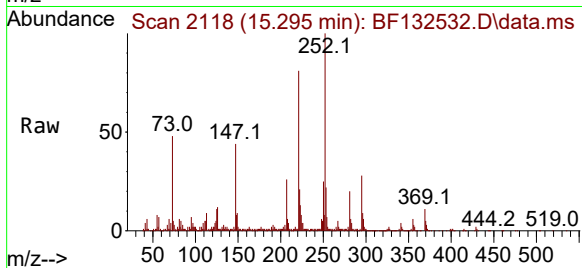
Tgt Ion:252 Resp: 220690

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: 11.863 ng

RT: 15.295 min Scan# 2118

Delta R.T. -0.041 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

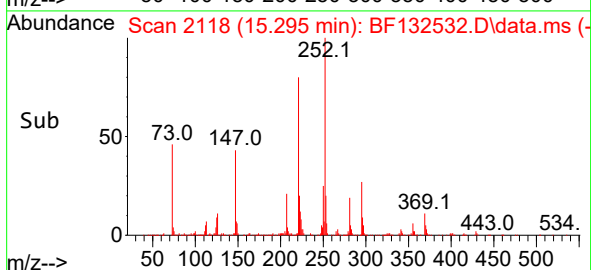
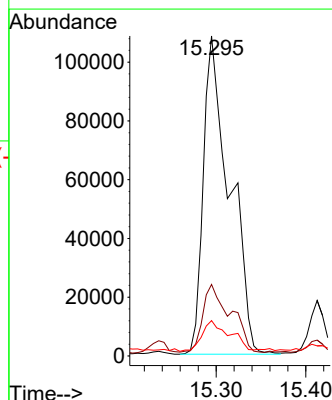
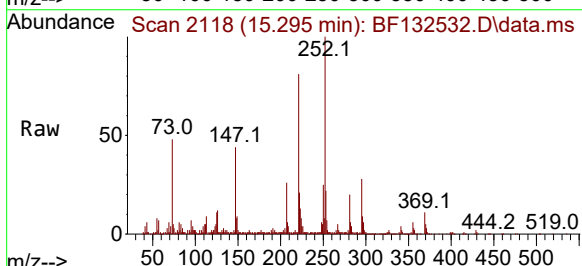
Tgt Ion:252 Resp: 220690

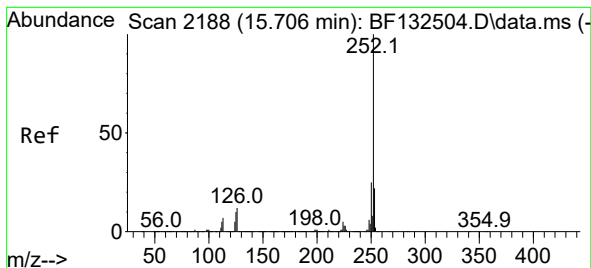
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 6.142 ng

RT: 15.689 min Scan# 2188

Delta R.T. -0.017 min

Lab File: BF132532.D

Acq: 23 Feb 2023 21:28

Instrument :

BNA_F

ClientSampleId :

UGT

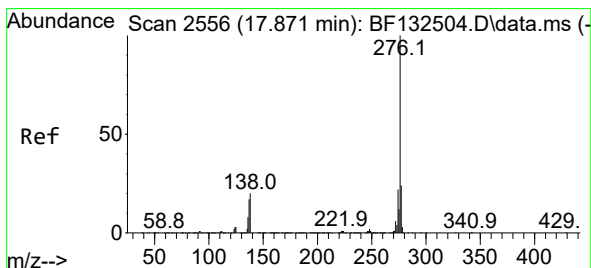
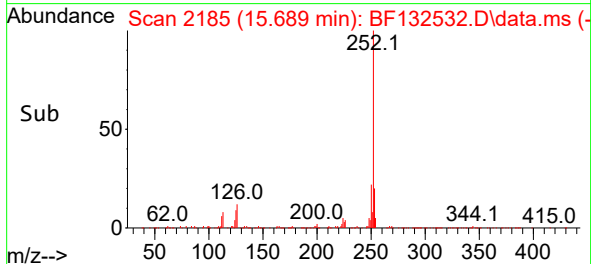
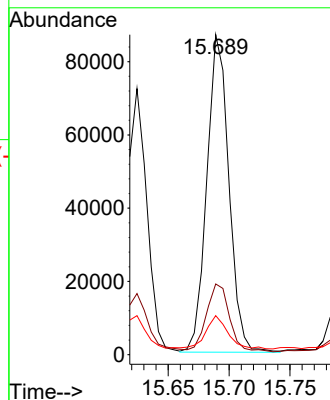
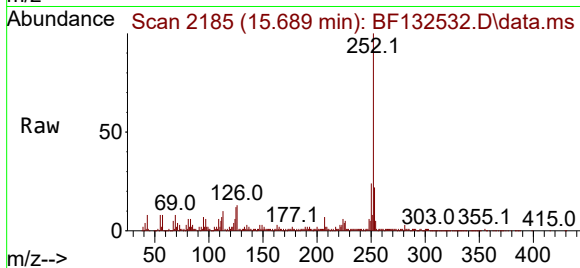
Tgt Ion:252 Resp: 109275

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

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

