

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133659.D
 Acq On : 09 Jun 2023 01:31
 Operator : CG\JU
 Sample : 03047-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC33

Quant Time: Jun 09 04:12:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

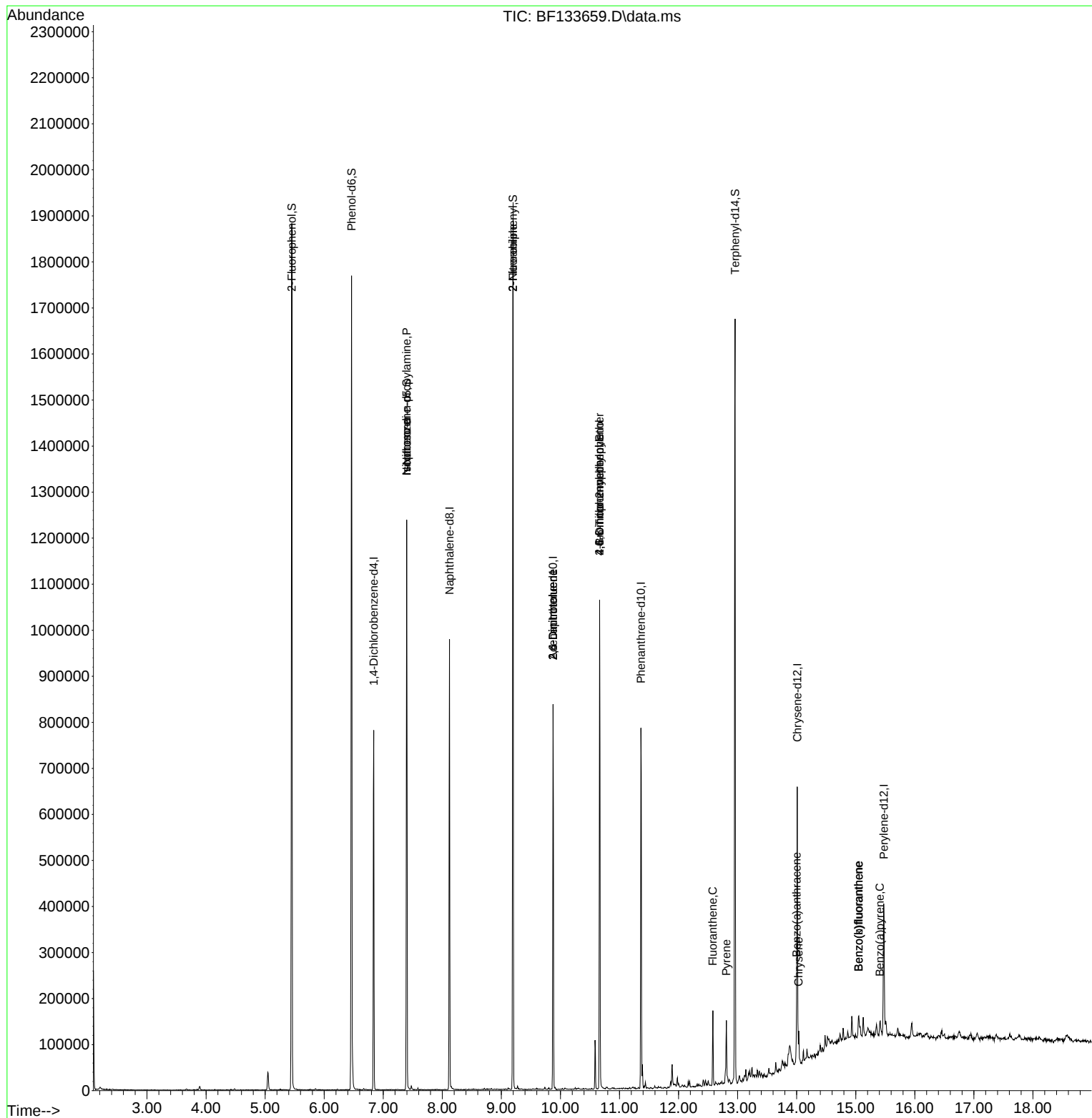
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	109667	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	369940	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	155206	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	283794	20.000	ng	0.00
76) Chrysene-d12	14.010	240	171129	20.000	ng	0.00
86) Perylene-d12	15.474	264	138941	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	465291	70.789	ng	0.00
7) Phenol-d6	6.463	99	539199	66.639	ng	0.00
23) Nitrobenzene-d5	7.398	82	323802	58.441	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	117785	76.132	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	568538	56.538	ng	0.00
79) Terphenyl-d14	12.957	244	572143	59.444	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.387	77	268	Below Cal		92
19) n-Nitroso-di-n-propyla...	7.398	70	44373	8.476 ng	#	77
25) Isophorone	7.398	82	323797	25.075 ng	#	65
48) 2-Nitroaniline	9.198	65	991	4.300 ng	#	1
51) 2,6-Dinitrotoluene	9.875	165	19569	12.394 ng	#	18
57) 2,4-Dinitrotoluene	9.875	165	19569	11.596 ng	#	15
65) 4,6-Dinitro-2-methylph...	10.663	198	123	8.798 ng	#	1
67) 4-Bromophenyl-phenylether	10.663	248	7305	2.424 ng	#	1
75) Fluoranthene	12.580	202	58924	3.711 ng		99
78) Pyrene	12.810	202	53809	3.695 ng		100
81) Benzo(a)anthracene	13.998	228	27792	2.438 ng		94
83) Chrysene	14.033	228	25556	2.221 ng		94
88) Benzo(b)fluoranthene	15.051	252	36166	3.997 ng	#	93
89) Benzo(k)fluoranthene	15.051	252	36166	4.100 ng	#	93
90) Benzo(a)pyrene	15.410	252	17376	2.111 ng	#	93

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

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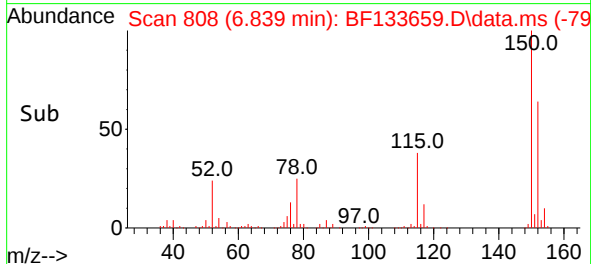
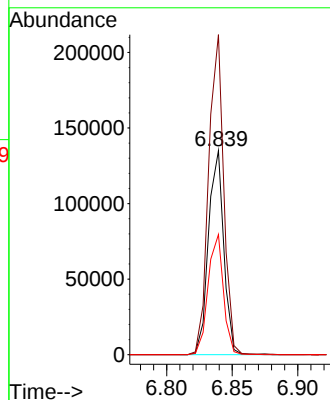
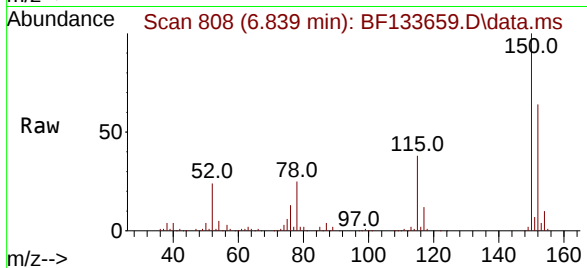




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

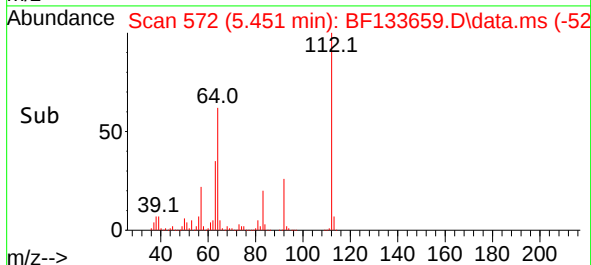
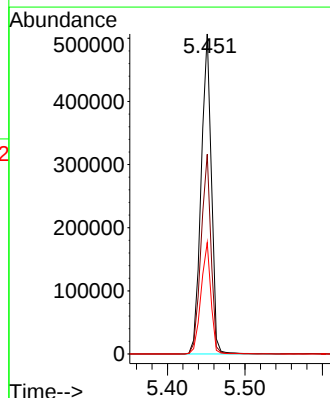
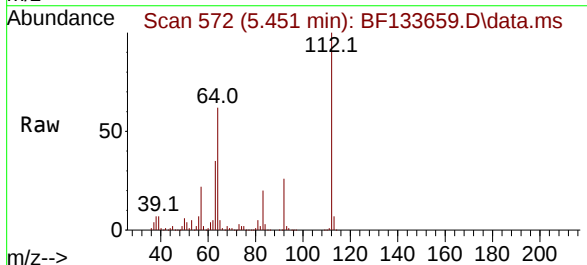
Instrument :
BNA_F
ClientSampleId :
WC33

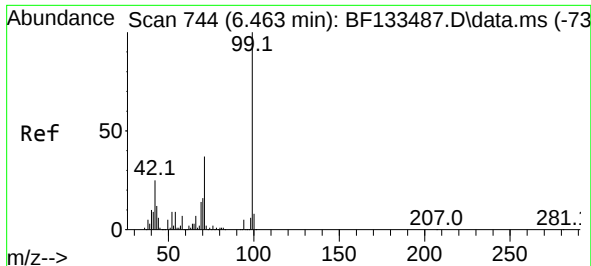
Tgt Ion:152 Resp: 109667
Ion Ratio Lower Upper
152 100
150 156.9 124.9 187.3
115 58.9 48.1 72.1



#5
2-Fluorophenol
Concen: 70.789 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

Tgt Ion:112 Resp: 465291
Ion Ratio Lower Upper
112 100
64 62.4 50.1 75.1
63 34.8 27.5 41.3

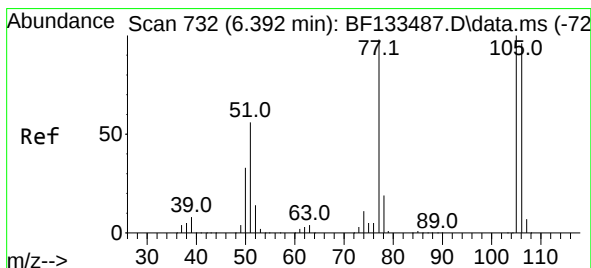
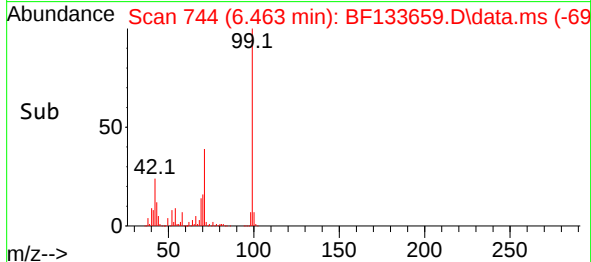
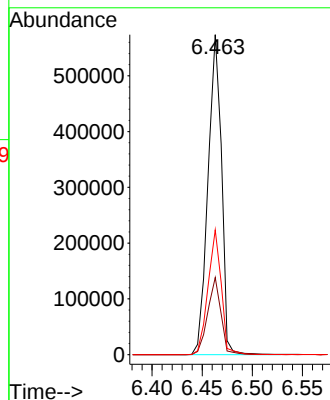
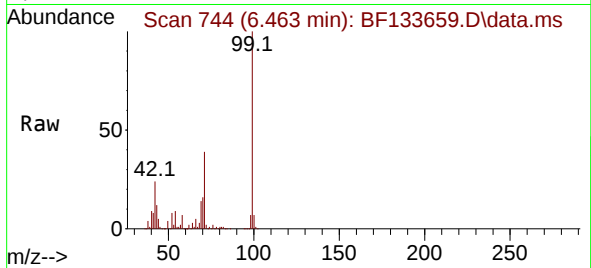




#7
Phenol-d6
Concen: 66.639 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

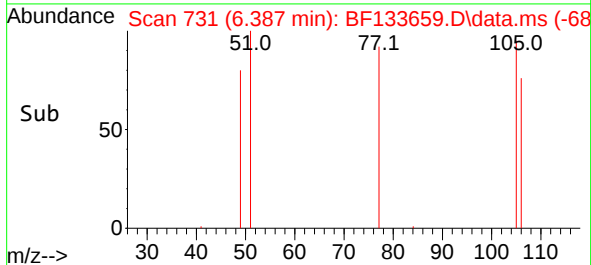
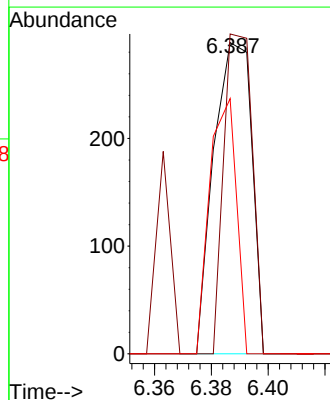
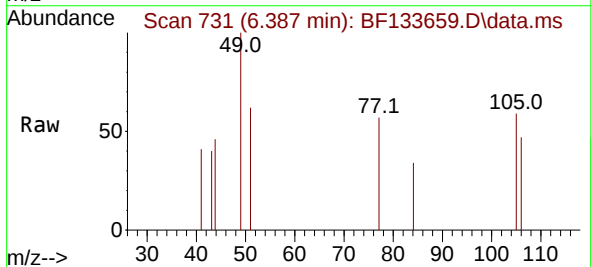
Instrument :
BNA_F
ClientSampleId :
WC33

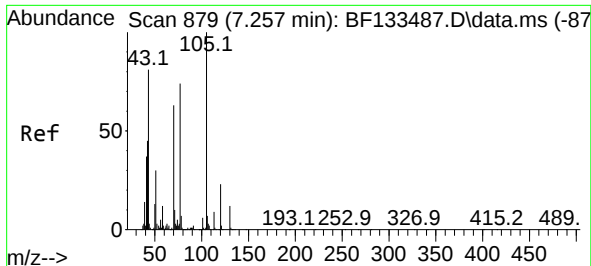
Tgt Ion: 99 Resp: 539199
Ion Ratio Lower Upper
99 100
42 24.1 19.7 29.5
71 39.0 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

Tgt Ion: 77 Resp: 268
Ion Ratio Lower Upper
77 100
105 102.8 81.9 121.9
106 82.0 77.8 117.8





#19

n-Nitroso-di-n-propylamine

Concen: 8.476 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Instrument :

BNA_F

ClientSampleId :

WC33

Tgt Ion: 70 Resp: 44373

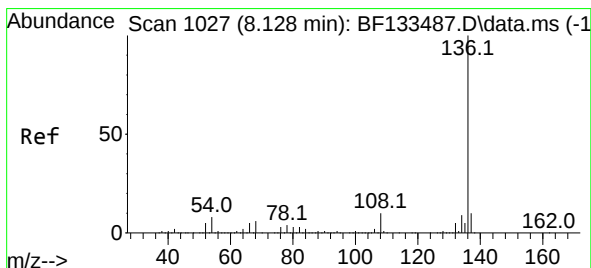
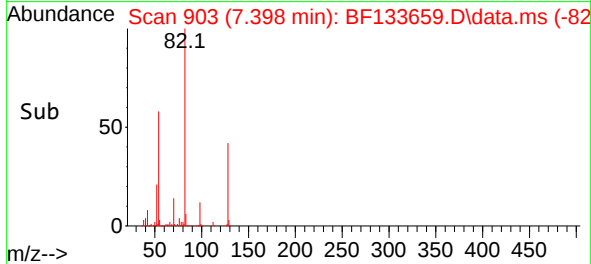
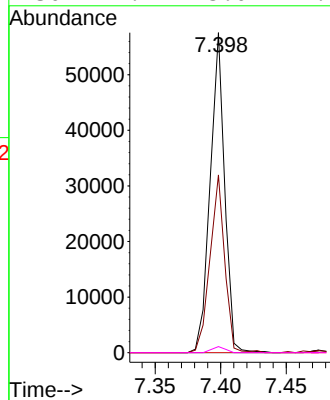
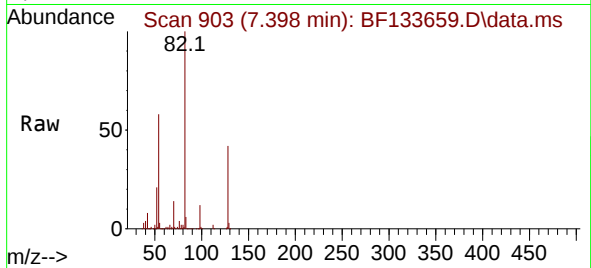
Ion Ratio Lower Upper

70 100

42 55.5 57.2 85.8#

101 0.0 7.3 10.9#

130 1.9 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Tgt Ion: 136 Resp: 369940

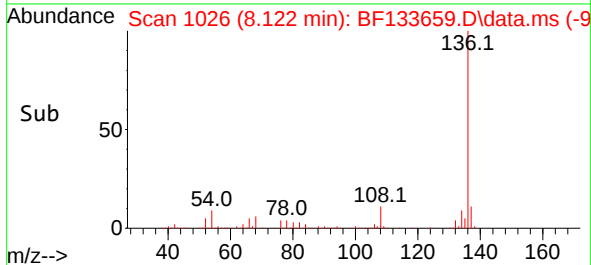
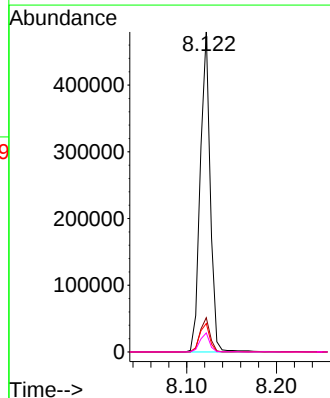
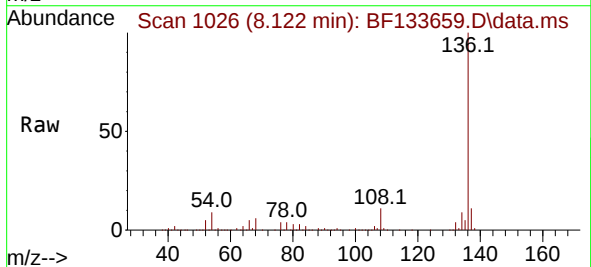
Ion Ratio Lower Upper

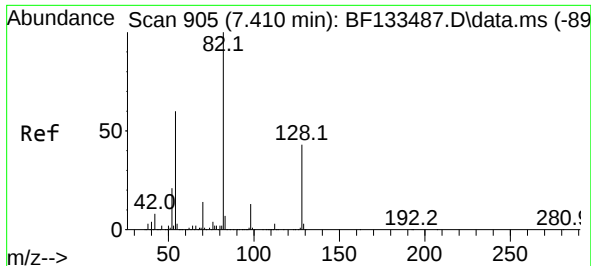
136 100

137 10.7 8.2 12.4

54 8.9 6.6 10.0

68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 58.441 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Instrument :

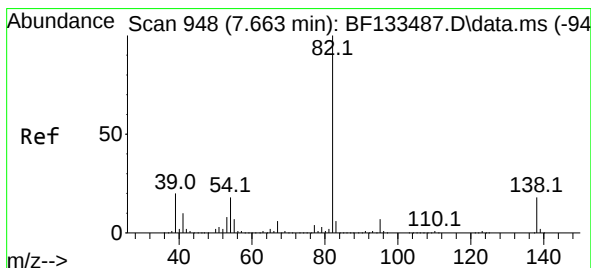
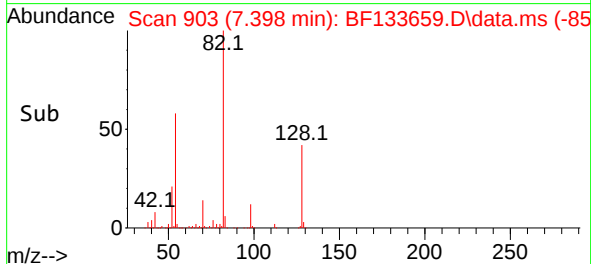
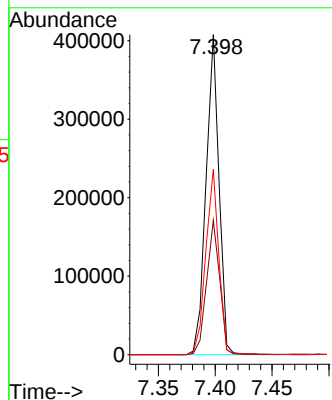
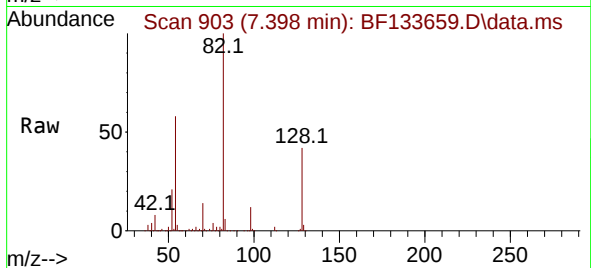
BNA_F

ClientSampleId :

WC33

Tgt Ion: 82 Resp: 323802

Ion	Ratio	Lower	Upper
82	100		
128	42.0	34.2	51.4
54	58.0	48.2	72.4



#25

Isophorone

Concen: 25.075 ng

RT: 7.398 min Scan# 903

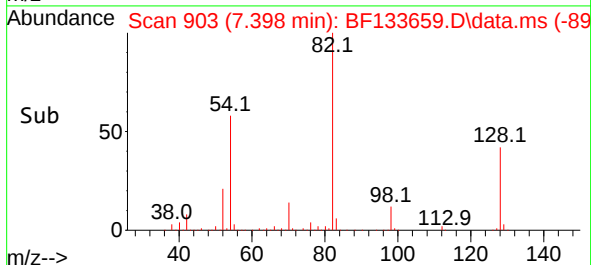
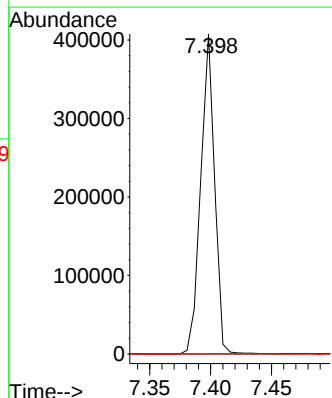
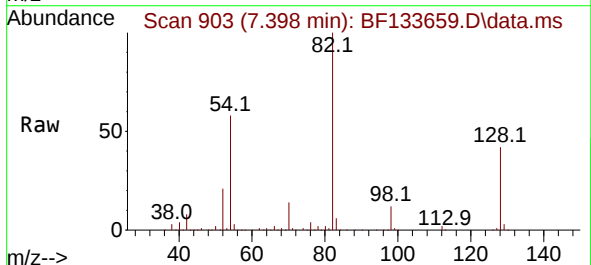
Delta R.T. -0.265 min

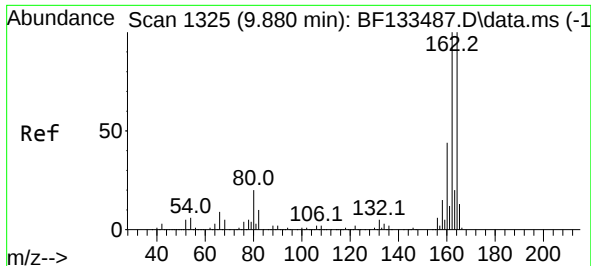
Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Tgt Ion: 82 Resp: 323797

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	14.2	21.4#

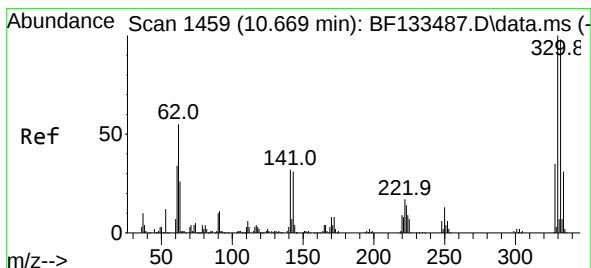
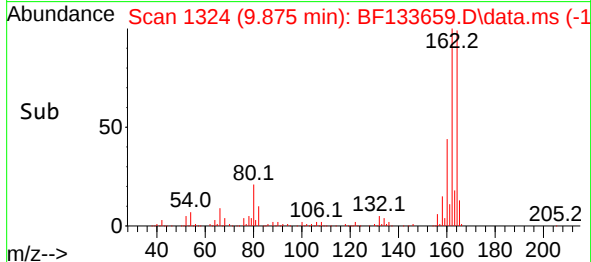
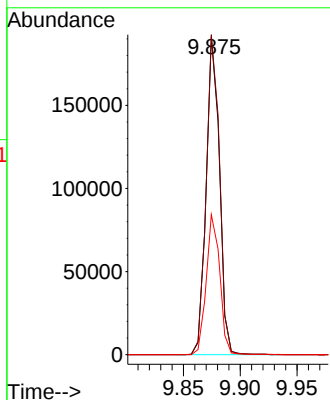
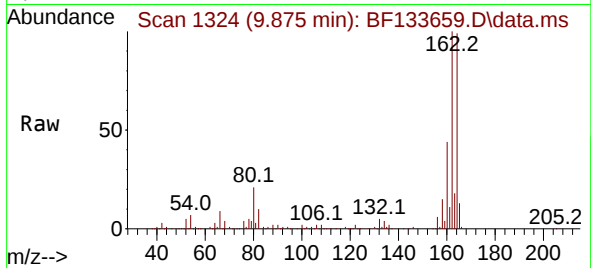




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

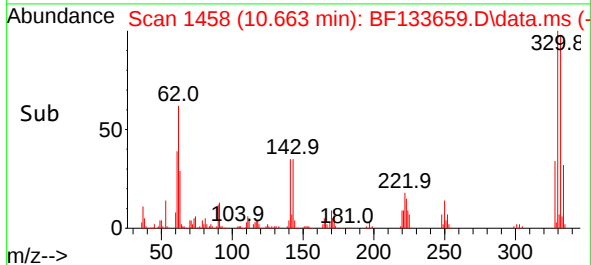
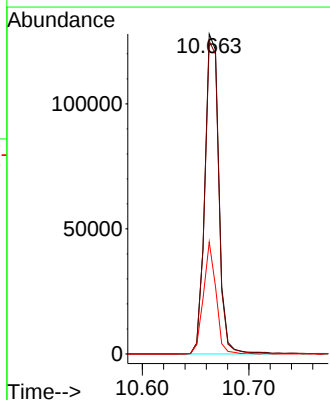
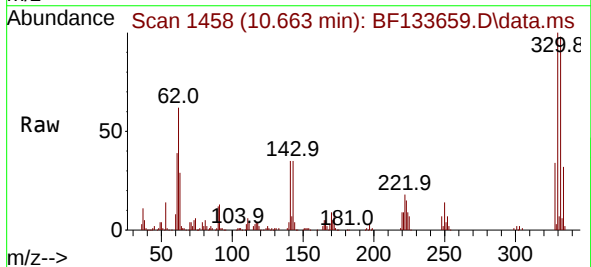
Instrument :
BNA_F
ClientSampleId :
WC33

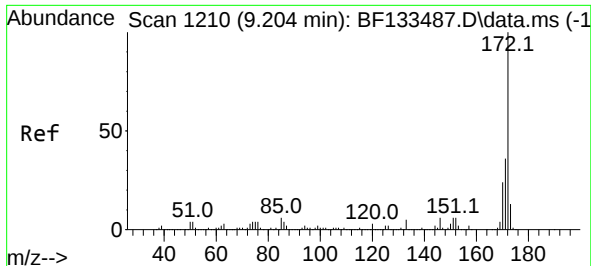
Tgt Ion:164 Resp: 155206
Ion Ratio Lower Upper
164 100
162 100.6 79.7 119.5
160 44.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 76.132 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

Tgt Ion:330 Resp: 117785
Ion Ratio Lower Upper
330 100
332 98.0 77.8 116.6
141 31.3 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 56.538 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Instrument :

BNA_F

ClientSampleId :

WC33

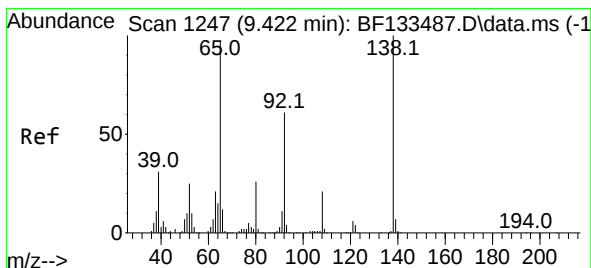
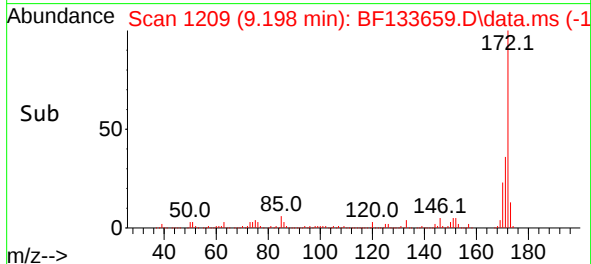
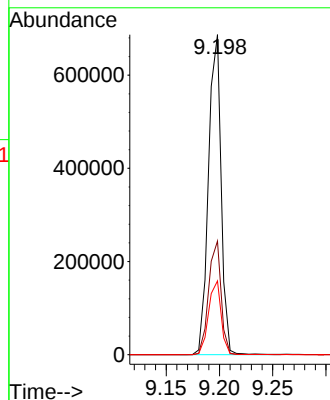
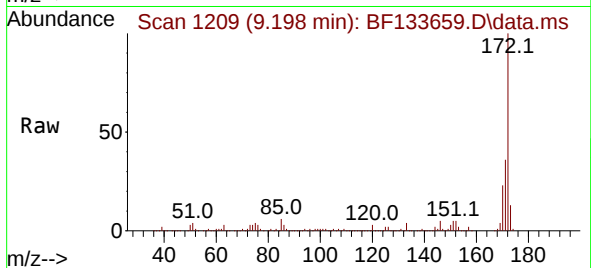
Tgt Ion:172 Resp: 568538

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.1 19.3 28.9



#48

2-Nitroaniline

Concen: 4.300 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.223 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

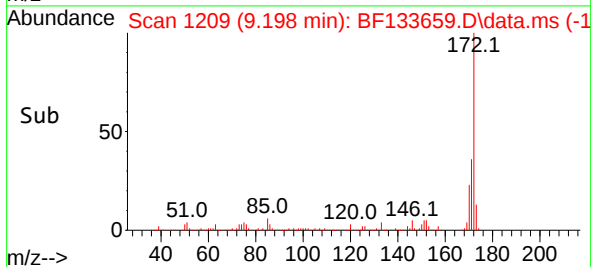
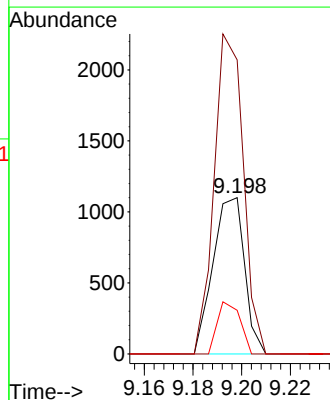
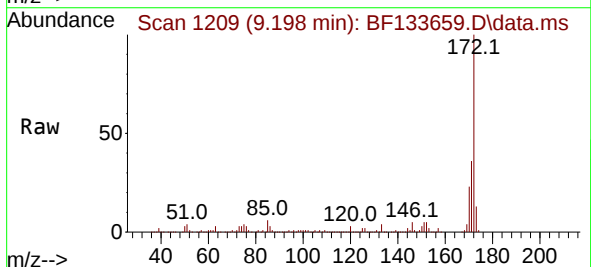
Tgt Ion: 65 Resp: 991

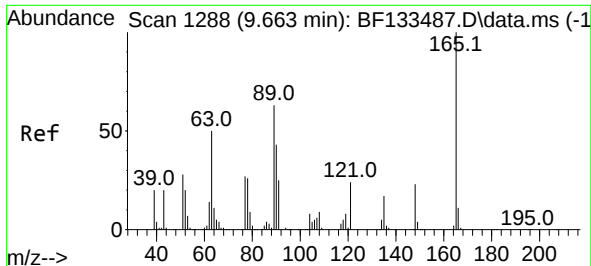
Ion Ratio Lower Upper

65 100

92 188.2 50.8 76.2#

138 27.9 82.6 124.0#

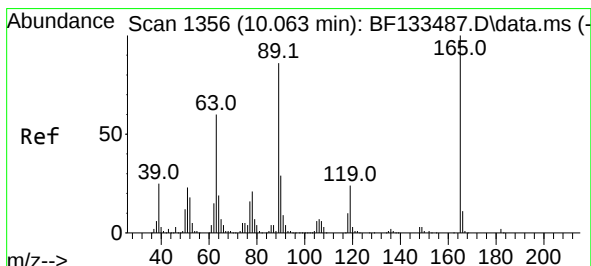
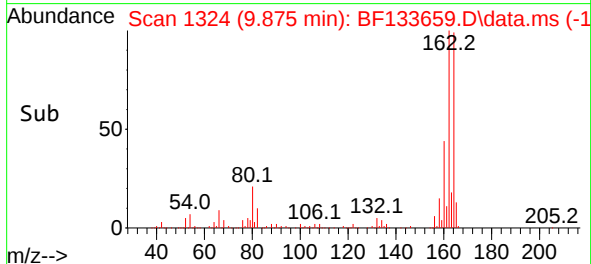
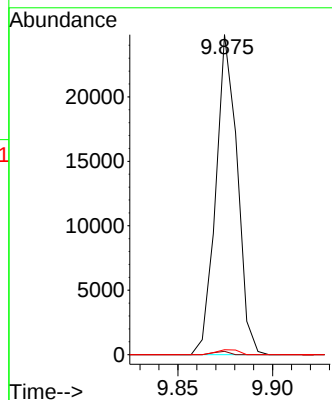
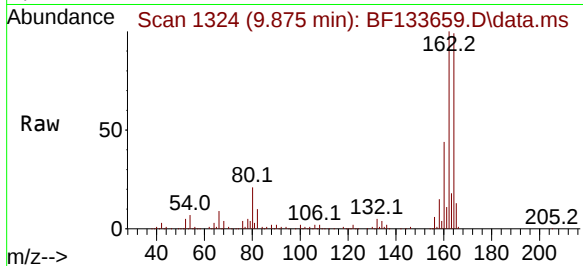




#51
2,6-Dinitrotoluene
Concen: 12.394 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

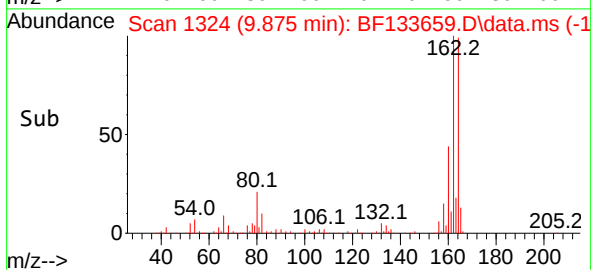
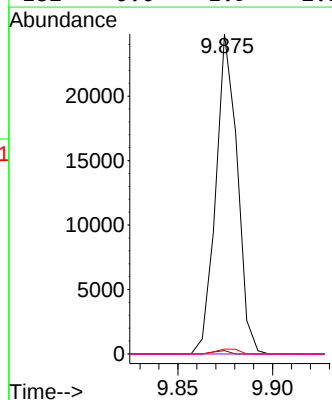
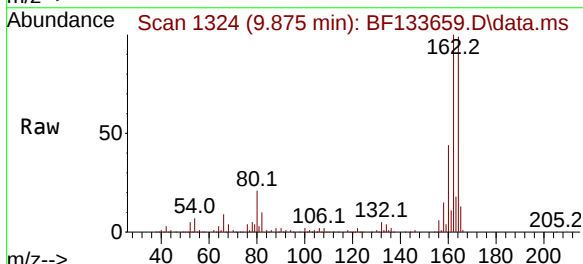
Instrument :
BNA_F
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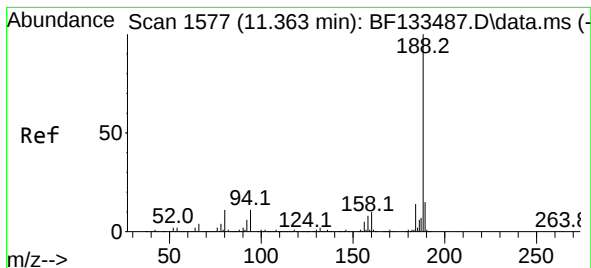
Tgt Ion:165 Resp: 19569
Ion Ratio Lower Upper
165 100
63 1.1 57.0 85.4#
89 1.6 50.8 76.2#



#57
2,4-Dinitrotoluene
Concen: 11.596 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

Tgt Ion:165 Resp: 19569
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.6 68.4 102.6#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Instrument :

BNA_F

ClientSampleId :

WC33

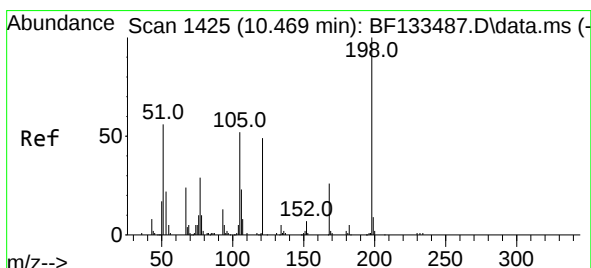
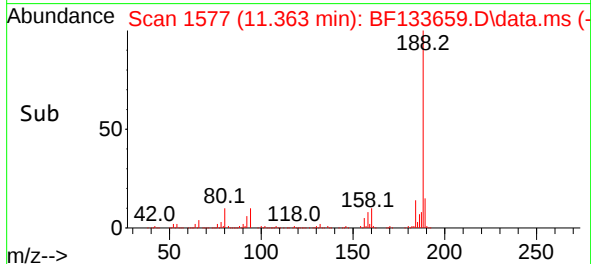
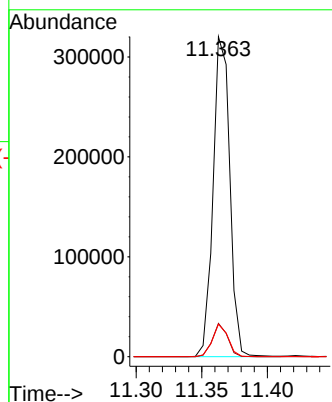
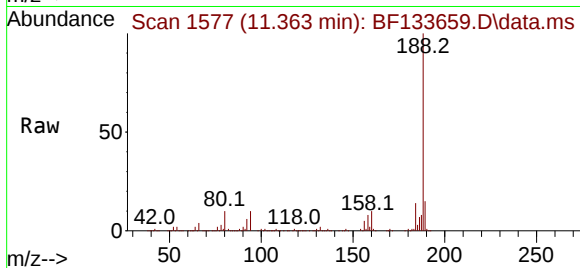
Tgt Ion:188 Resp: 283794

Ion Ratio Lower Upper

188 100

94 10.4 8.6 12.8

80 10.2 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.798 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.182 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

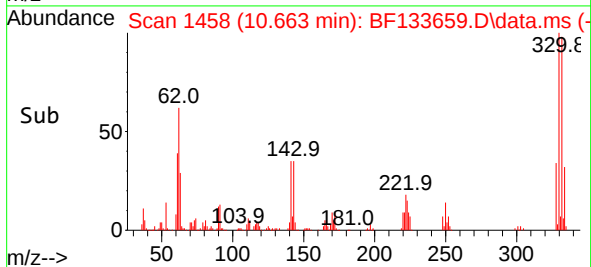
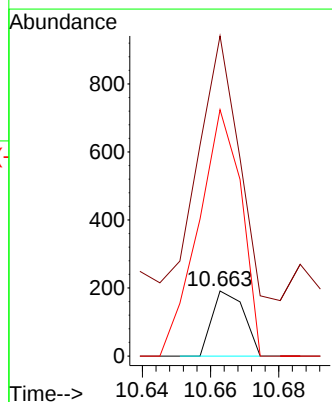
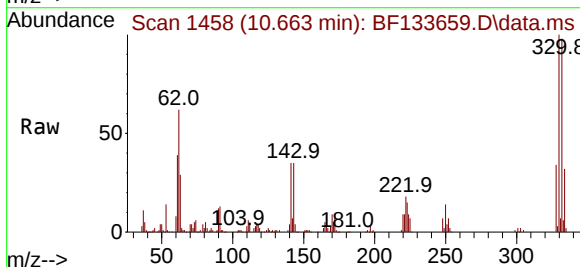
Tgt Ion:198 Resp: 123

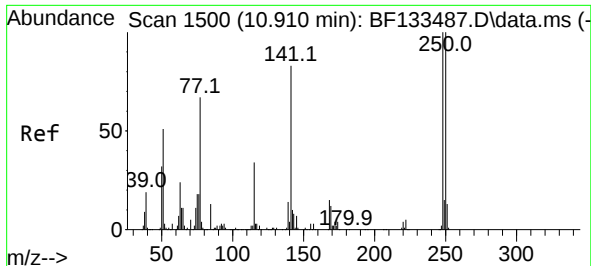
Ion Ratio Lower Upper

198 100

51 492.7 53.6 93.6#

105 379.1 35.9 75.9#





#67

4-Bromophenyl-phenylether

Concen: 2.424 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Instrument :

BNA_F

ClientSampleId :

WC33

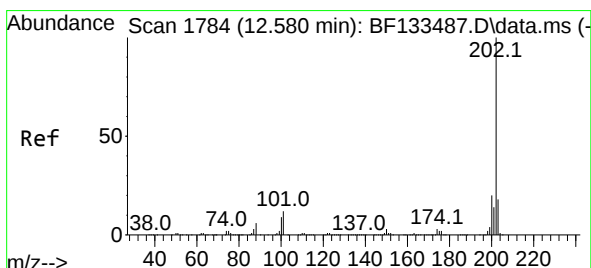
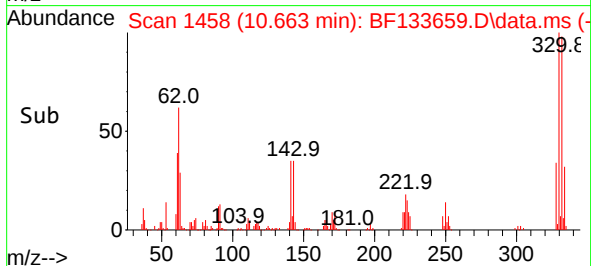
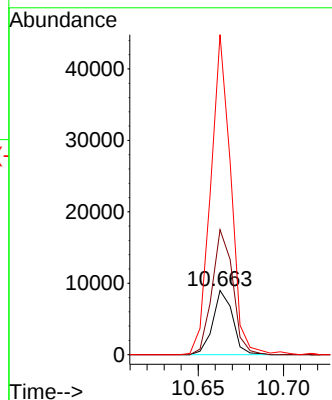
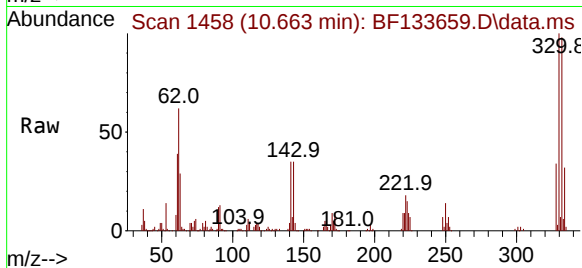
Tgt Ion:248 Resp: 7305

Ion Ratio Lower Upper

248 100

250 194.7 79.7 119.5#

141 498.7 66.6 100.0#



#75

Fluoranthene

Concen: 3.711 ng

RT: 12.580 min Scan# 1784

Delta R.T. -0.006 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

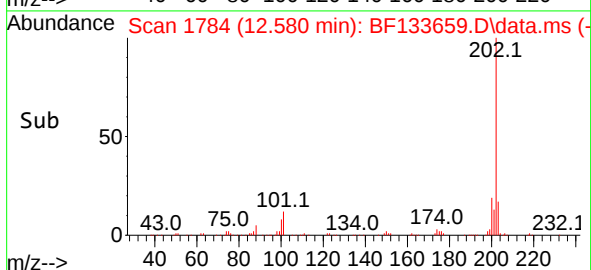
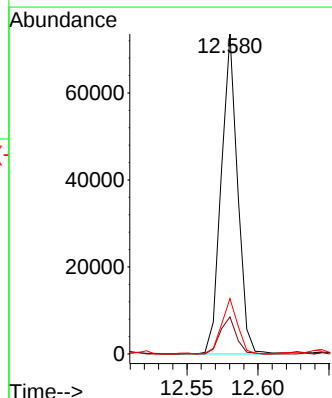
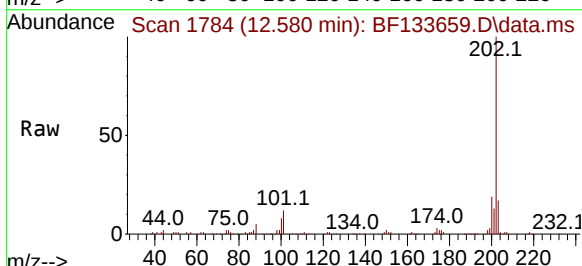
Tgt Ion:202 Resp: 58924

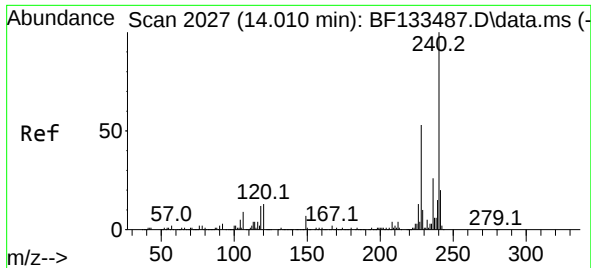
Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.2

203 17.3 0.0 37.8

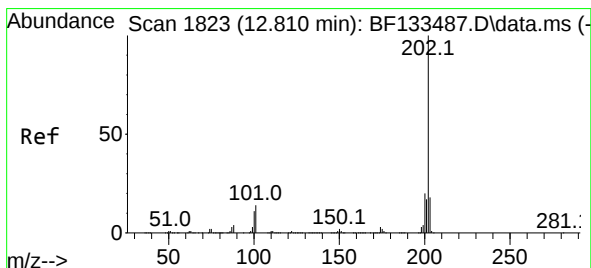
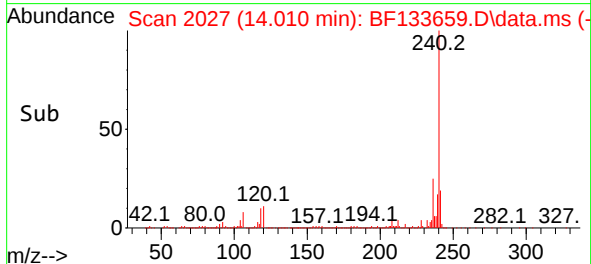
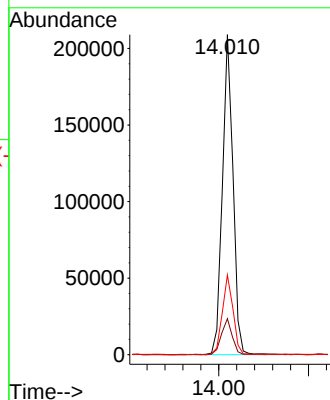
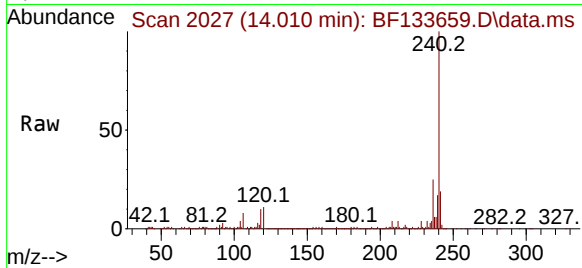




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

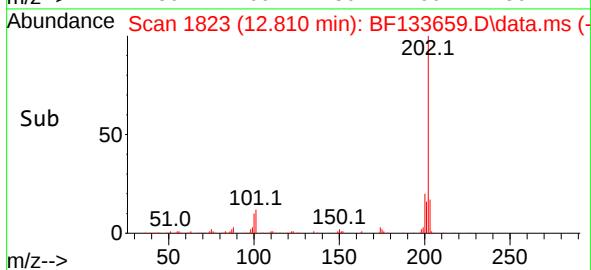
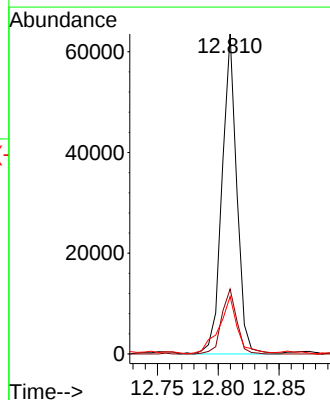
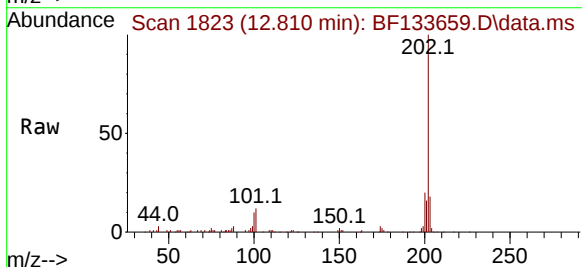
Instrument :
BNA_F
ClientSampleId :
WC33

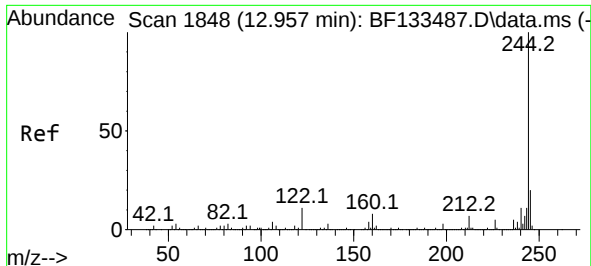
Tgt Ion:240 Resp: 171129
Ion Ratio Lower Upper
240 100
120 11.3 10.3 15.5
236 24.9 20.5 30.7



#78
Pyrene
Concen: 3.695 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

Tgt Ion:202 Resp: 53809
Ion Ratio Lower Upper
202 100
200 20.3 16.3 24.5
203 18.0 14.3 21.5

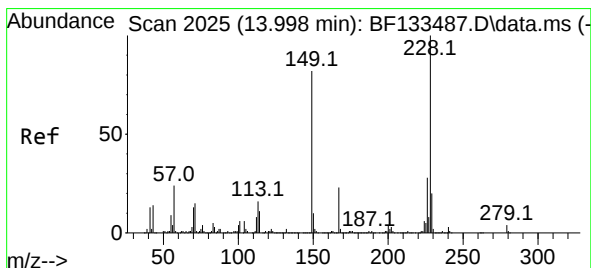
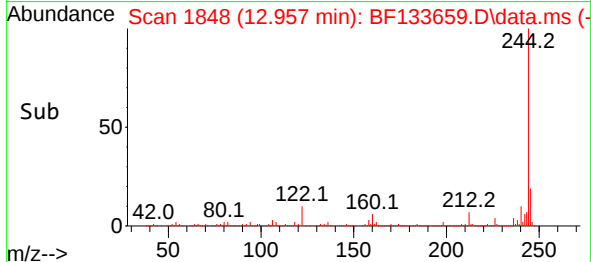
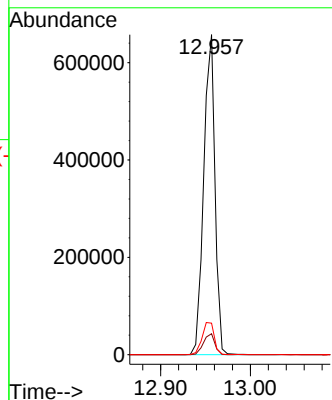
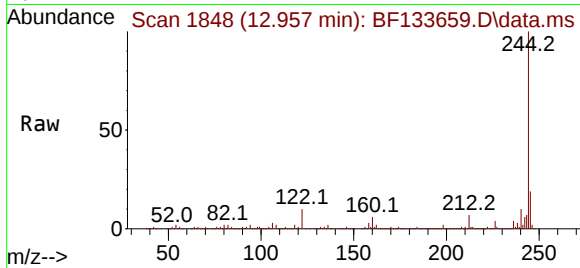




#79
 Terphenyl-d14
 Concen: 59.444 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133659.D
 Acq: 09 Jun 2023 01:31

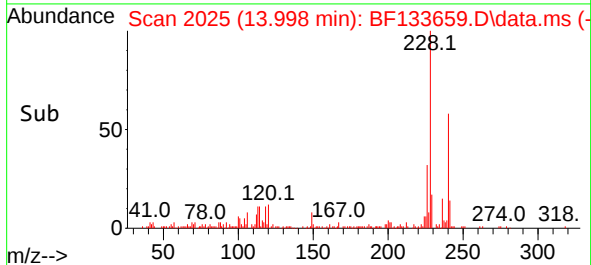
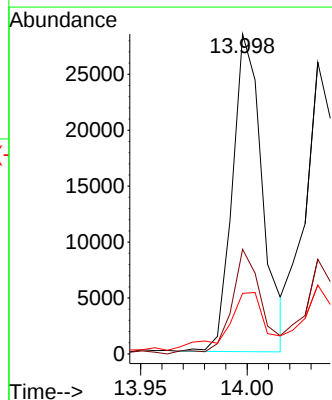
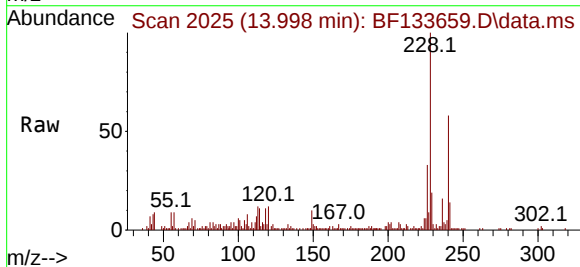
Instrument :
 BNA_F
 ClientSampleId :
 WC33

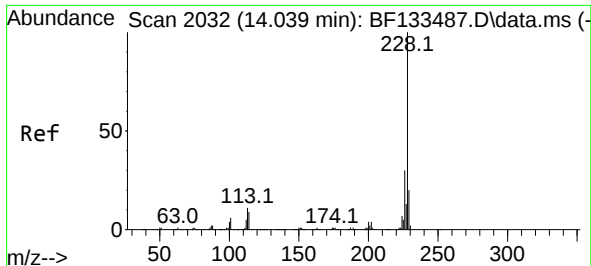
Tgt Ion:244 Resp: 572143
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 9.9 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 2.438 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF133659.D
 Acq: 09 Jun 2023 01:31

Tgt Ion:228 Resp: 27792
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.3 33.5
 229 19.0 16.1 24.1





#83

Chrysene

Concen: 2.221 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

Instrument :

BNA_F

ClientSampleId :

WC33

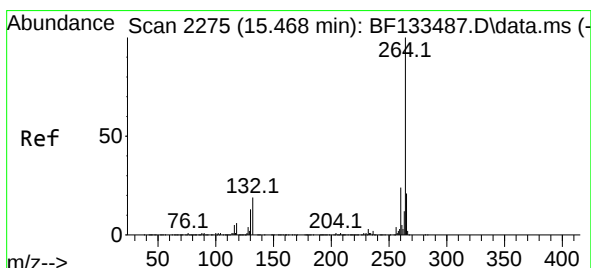
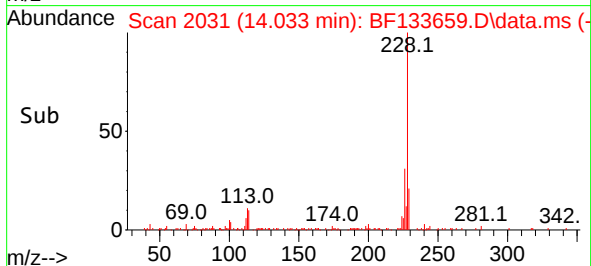
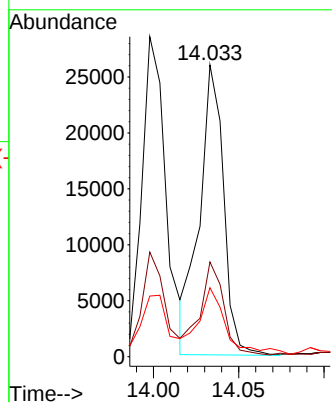
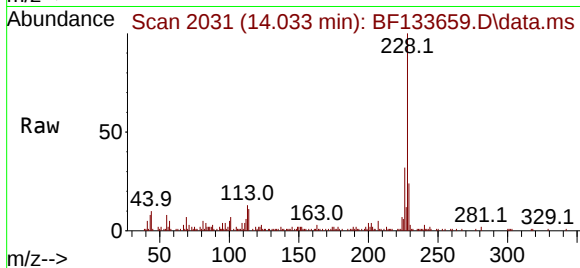
Tgt Ion:228 Resp: 25556

Ion Ratio Lower Upper

228 100

226 32.5 24.1 36.1

229 23.7 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.006 min

Lab File: BF133659.D

Acq: 09 Jun 2023 01:31

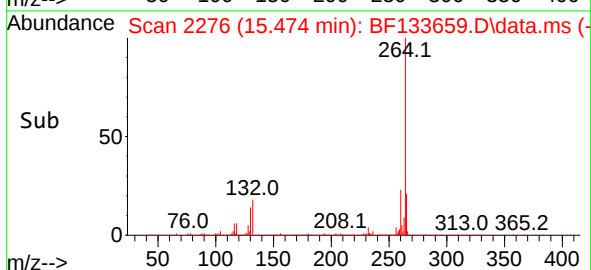
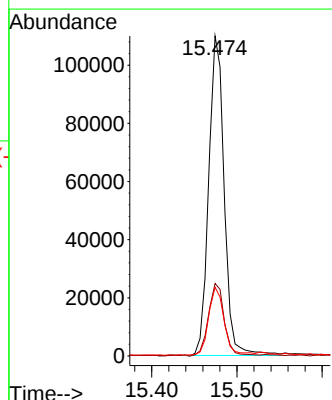
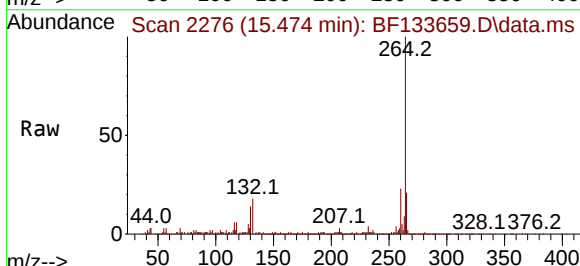
Tgt Ion:264 Resp: 138941

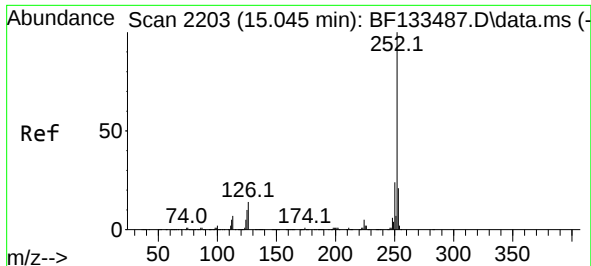
Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.4

265 21.5 16.8 25.2

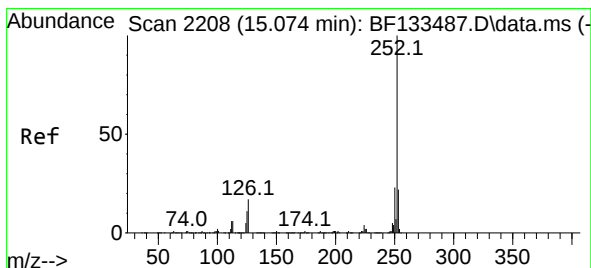
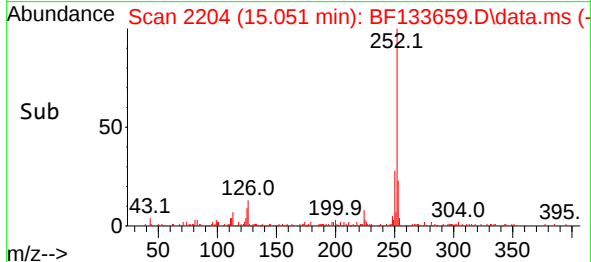
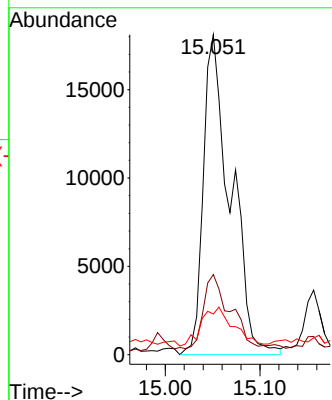
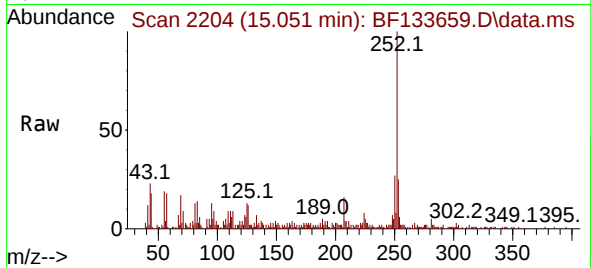




#88
Benzo(b)fluoranthene
Concen: 3.997 ng
RT: 15.051 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

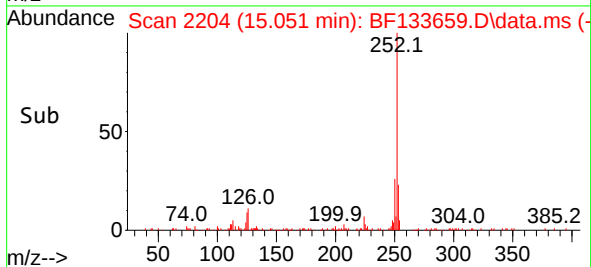
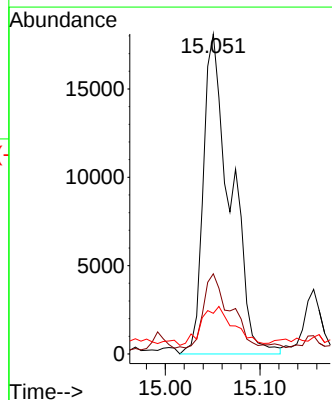
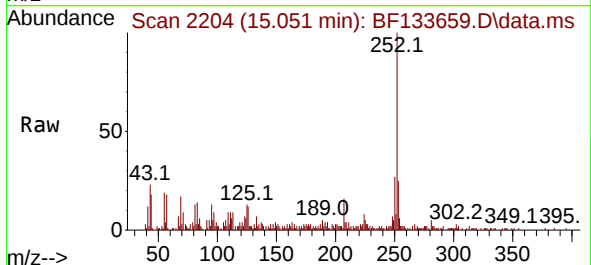
Instrument :
BNA_F
ClientSampleId :
WC33

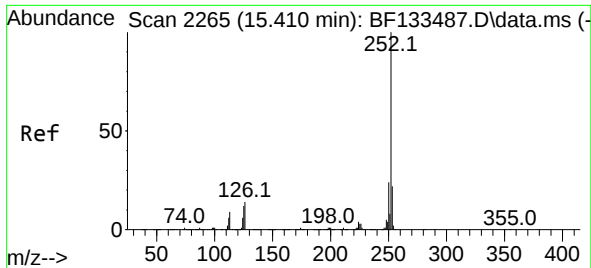
Tgt Ion:252 Resp: 36166
Ion Ratio Lower Upper
252 100
253 25.1 17.2 25.8
125 12.7 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 4.100 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.035 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

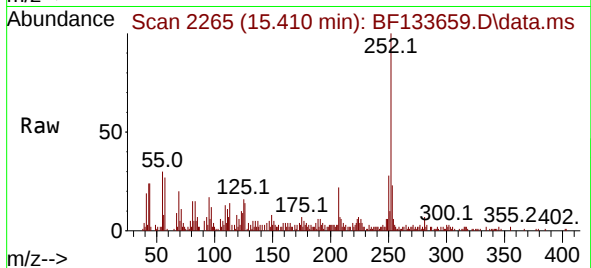
Tgt Ion:252 Resp: 36166
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 12.7 8.3 12.5#





#90
Benzo(a)pyrene
Concen: 2.111 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133659.D
Acq: 09 Jun 2023 01:31

Instrument :
BNA_F
ClientSampleId :
WC33



Tgt Ion:252 Resp: 17376
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 16.5 9.4 14.0#

