

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130889.D
 Acq On : 31 Oct 2022 20:26
 Operator : CG\JU
 Sample : N5359-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102822

Quant Time: Nov 01 02:32:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

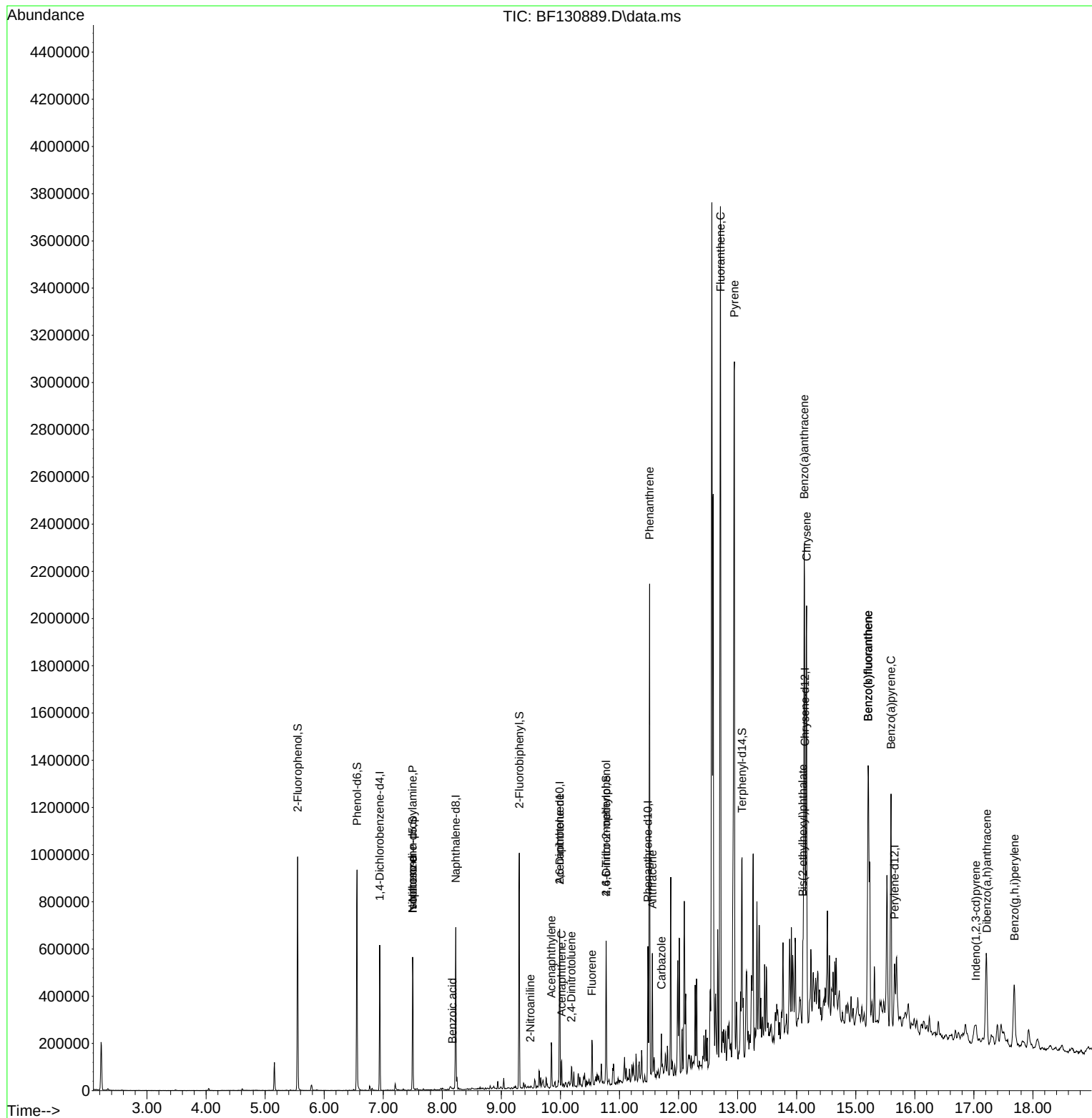
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	76885	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	259328	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	117036	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	199632	20.000	ng	0.00
76) Chrysene-d12	14.139	240	149317	20.000	ng	0.00
86) Perylene-d12	15.657	264	112556	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	216048	48.715	ng	0.00
7) Phenol-d6	6.557	99	266473	46.237	ng	0.00
23) Nitrobenzene-d5	7.498	82	162693	37.829	ng	-0.02
42) 2,4,6-Tribromophenol	10.775	330	51194	51.963	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	275937	35.646	ng	0.00
79) Terphenyl-d14	13.074	244	279402	34.289	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.498	70	22762	5.805	ng	# 75
25) Isophorone	7.498	82	162689	18.344	ng	# 66
32) Benzoic acid	8.169	122	126	7.720	ng	91
48) 2-Nitroaniline	9.492	65	209	4.236	ng	# 12
49) Acenaphthylene	9.845	152	74001	7.004	ng	100
51) 2,6-Dinitrotoluene	9.986	165	16285	12.826	ng	# 15
52) Acenaphthene	10.022	154	21793	3.336	ng	97
57) 2,4-Dinitrotoluene	10.186	165	652	4.020	ng	# 1
58) Fluorene	10.533	166	53210	7.136	ng	99
65) 4,6-Dinitro-2-methylph...	10.775	198	78	8.006	ng	# 1
71) Phenanthrene	11.510	178	701774	68.109	ng	100
72) Anthracene	11.557	178	176817	17.398	ng	99
73) Carbazole	11.710	167	57756	6.346	ng	99
75) Fluoranthene	12.710	202	1569517	143.367	ng	99
78) Pyrene	12.945	202	1436877	114.060	ng	99
81) Benzo(a)anthracene	14.127	228	818845	82.714	ng	96
83) Chrysene	14.168	228	707287	74.069	ng	98
84) Bis(2-ethylhexyl)phtha...	14.104	149	56800	10.423	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	51894	6.943	ng	97
88) Benzo(b)fluoranthene	15.210	252	960905	132.066	ng	98
89) Benzo(k)fluoranthene	15.210	252	960905	135.532	ng	99
90) Benzo(a)pyrene	15.598	252	485645	83.031	ng	97
91) Dibenzo(a,h)anthracene	17.221	278	73237	12.019	ng	93
92) Benzo(g,h,i)perylene	17.686	276	243000	39.090	ng	98

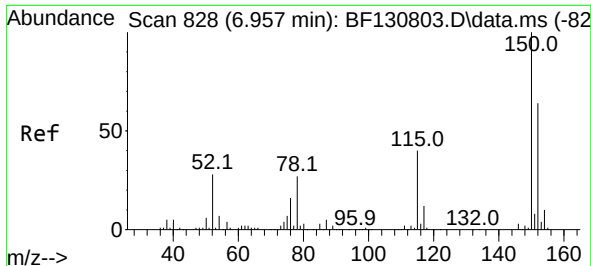
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
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Misc :
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Instrument :
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ClientSampleId :
HD-01-102822

Quant Time: Nov 01 02:32:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 05:41:34 2022
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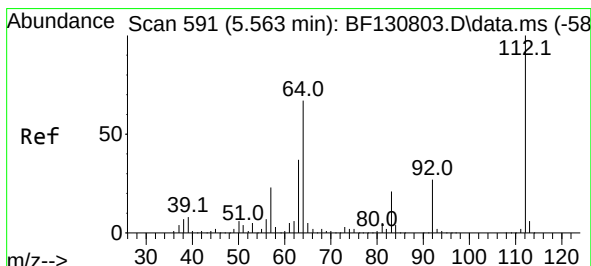
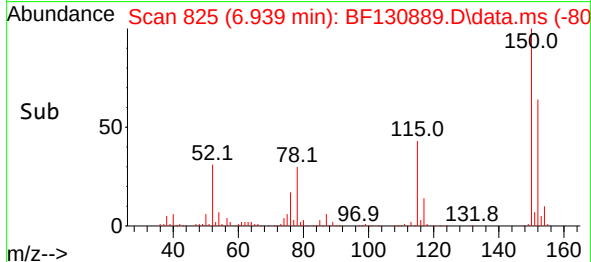
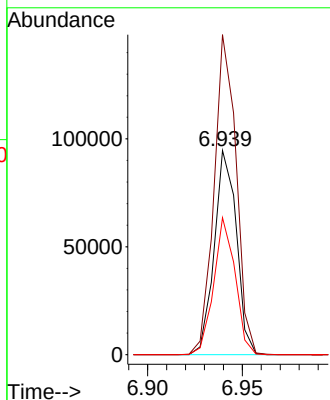
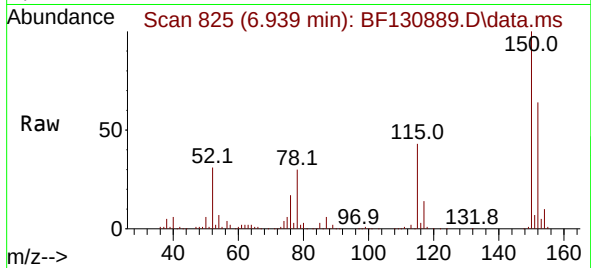




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

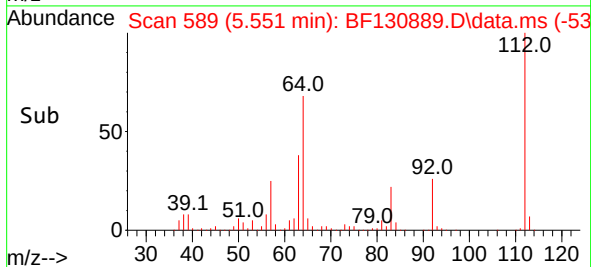
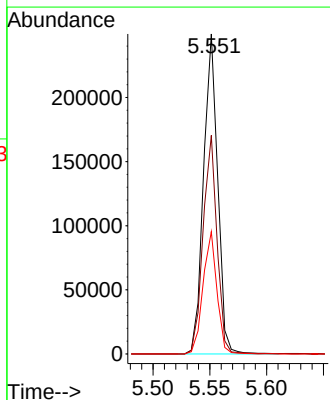
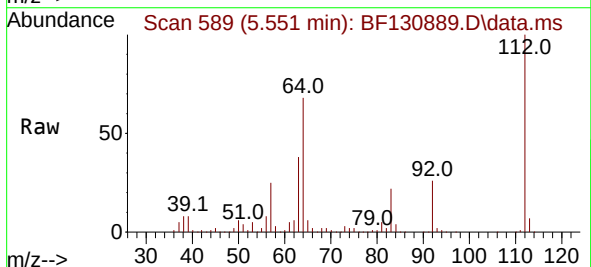
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

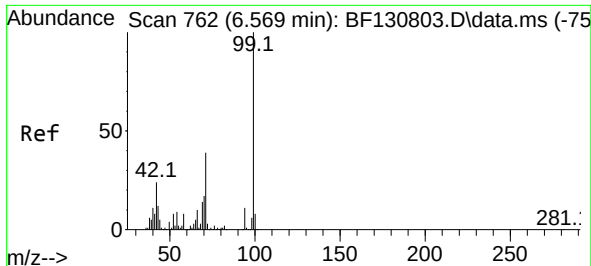
Tgt Ion:152 Resp: 76885
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 67.1 50.1 75.1



#5
2-Fluorophenol
Concen: 48.715 ng
RT: 5.551 min Scan# 589
Delta R.T. -0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:112 Resp: 216048
Ion Ratio Lower Upper
112 100
64 68.3 53.9 80.9
63 38.2 29.4 44.2

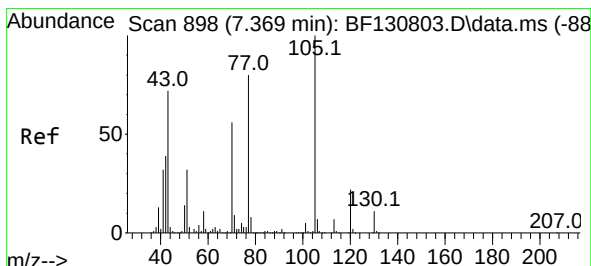
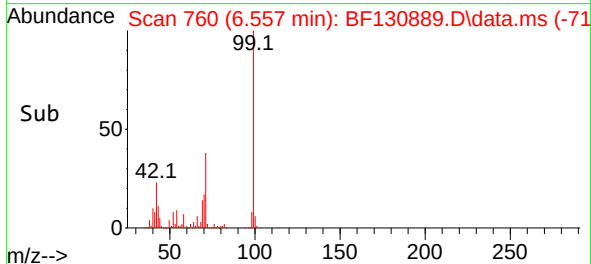
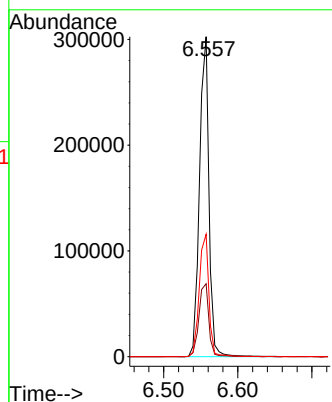
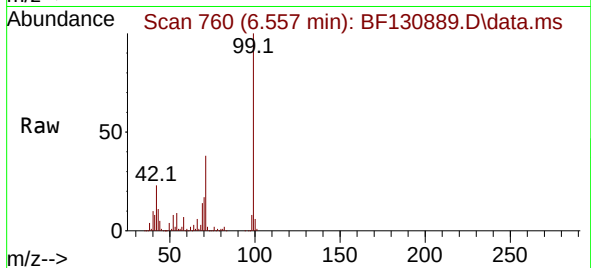




#7
Phenol-d6
Concen: 46.237 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

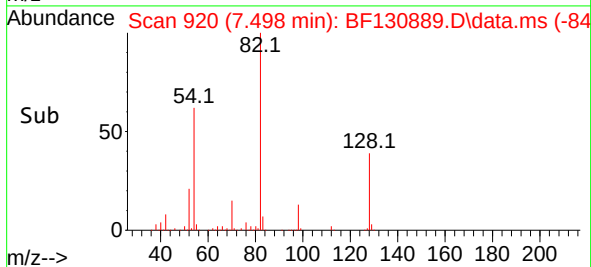
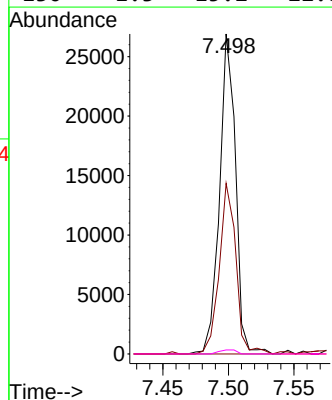
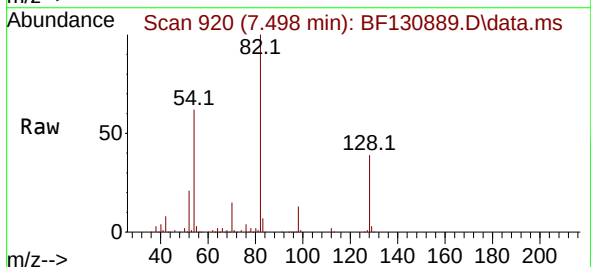
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

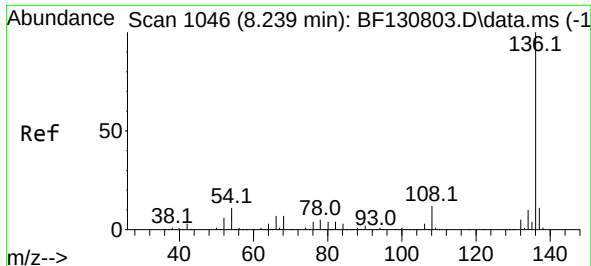
Tgt Ion: 99 Resp: 266473
Ion Ratio Lower Upper
99 100
42 22.8 18.8 28.2
71 38.3 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.805 ng
RT: 7.498 min Scan# 920
Delta R.T. 0.135 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion: 70 Resp: 22762
Ion Ratio Lower Upper
70 100
42 53.3 56.1 84.1#
101 0.0 7.3 10.9#
130 1.3 15.2 22.8#



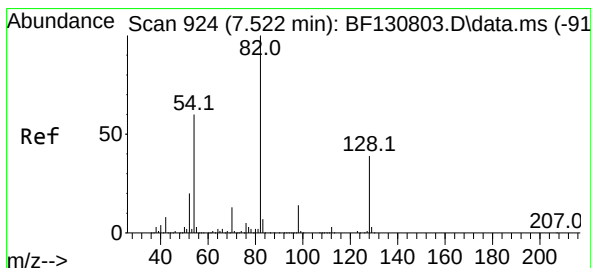
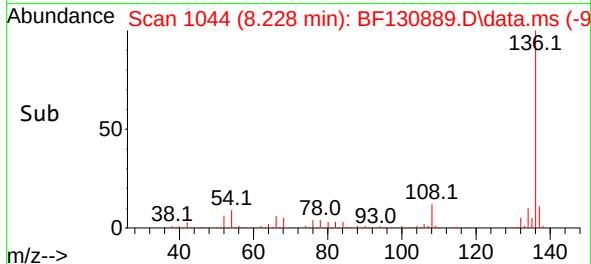
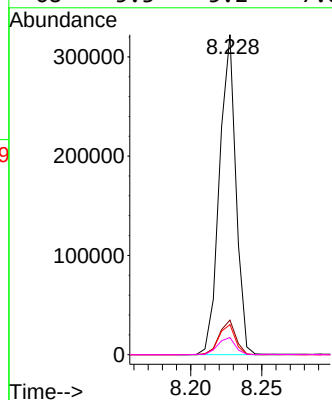
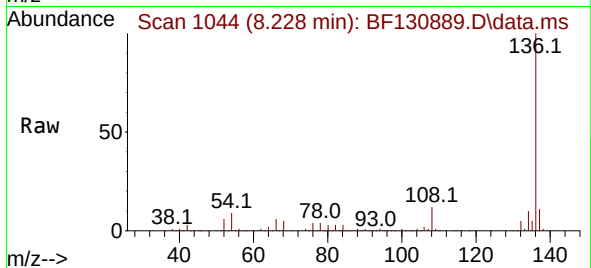


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Tgt Ion:136 Resp: 259328

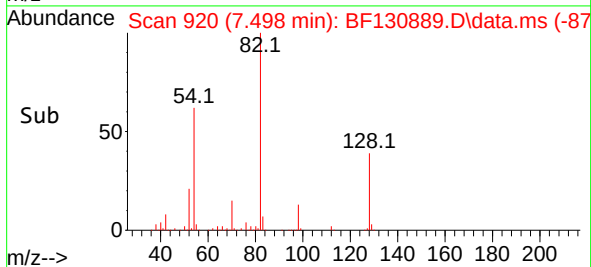
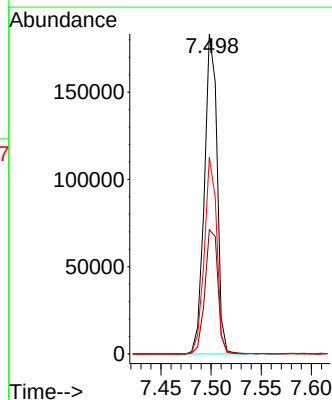
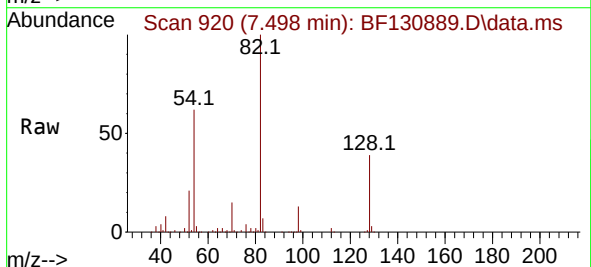
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	9.4	8.8	13.2
68	5.3	5.2	7.8

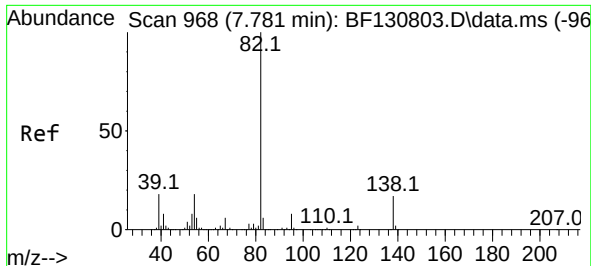


#23
Nitrobenzene-d5
Concen: 37.829 ng
RT: 7.498 min Scan# 920
Delta R.T. -0.018 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion: 82 Resp: 162693

Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.2	46.8
54	61.6	48.0	72.0

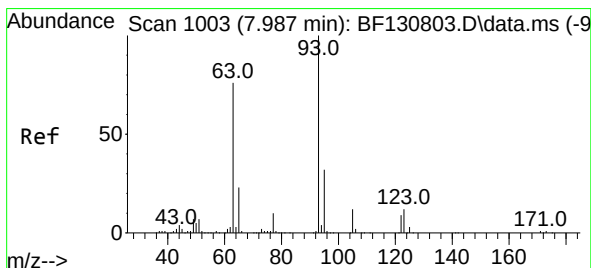
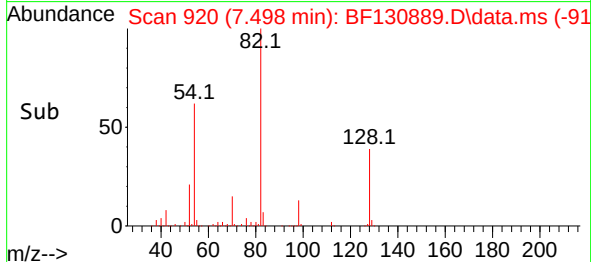
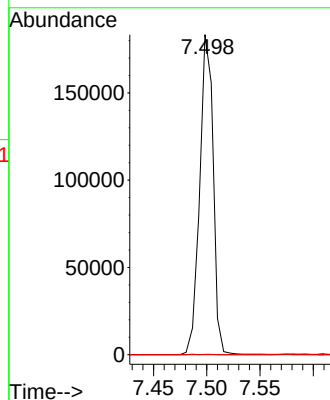
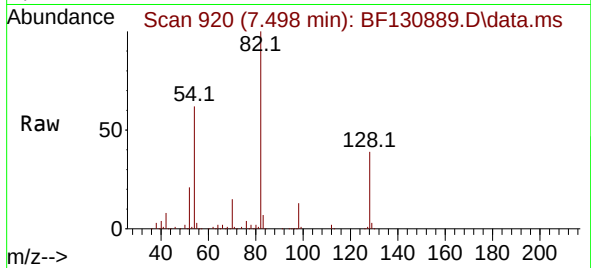




#25
Isophorone
Concen: 18.344 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.271 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

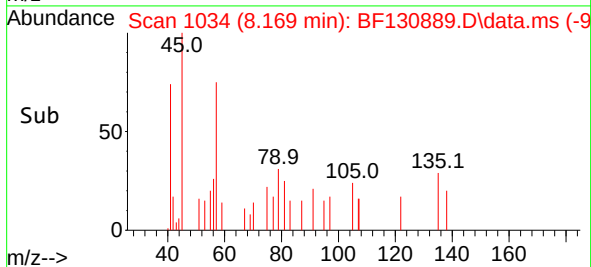
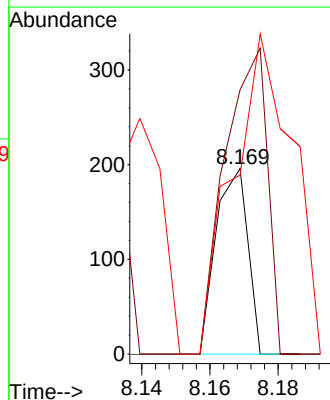
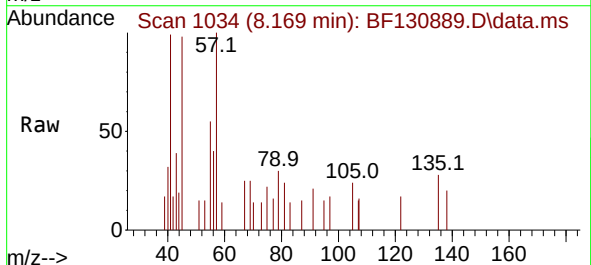
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

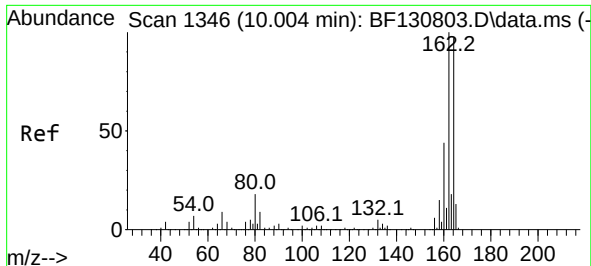
Tgt Ion: 82 Resp: 162689
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.720 ng
RT: 8.169 min Scan# 1034
Delta R.T. 0.182 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion: 122 Resp: 126
Ion Ratio Lower Upper
122 100
105 142.3 114.5 154.5
77 96.4 89.8 129.8

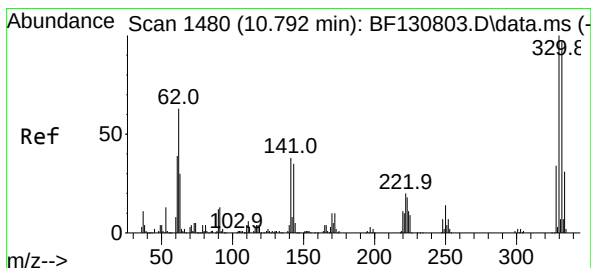
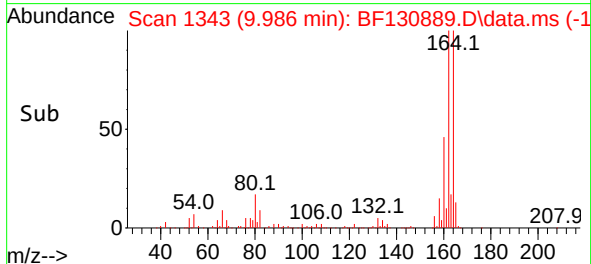
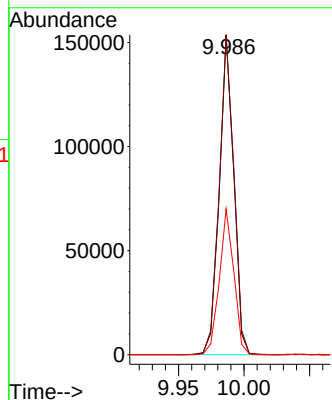
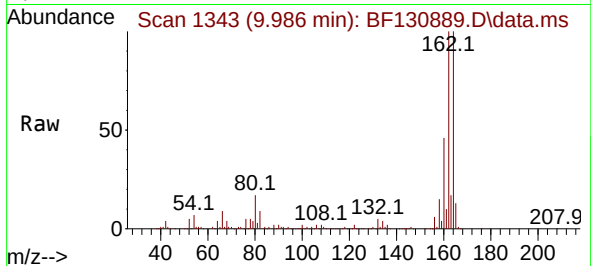




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

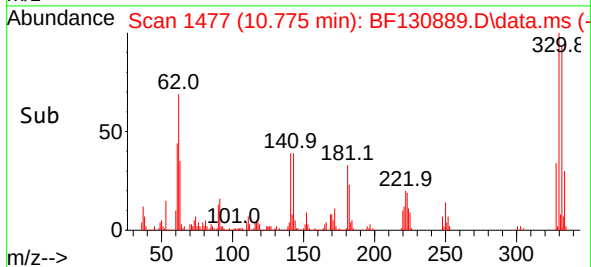
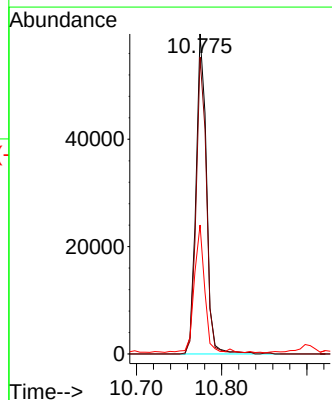
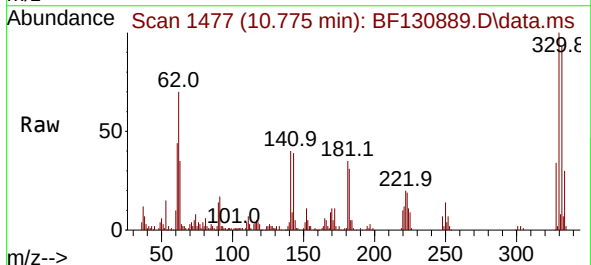
Instrument :
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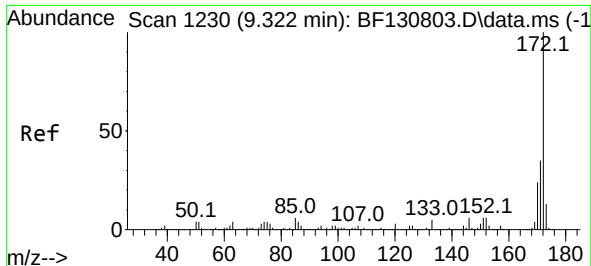
Tgt Ion:164 Resp: 117036
Ion Ratio Lower Upper
164 100
162 99.9 82.2 123.2
160 45.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 51.963 ng
RT: 10.775 min Scan# 1477
Delta R.T. -0.012 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:330 Resp: 51194
Ion Ratio Lower Upper
330 100
332 91.9 76.2 114.4
141 38.7 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 35.646 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130889.D

Acq: 31 Oct 2022 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-102822

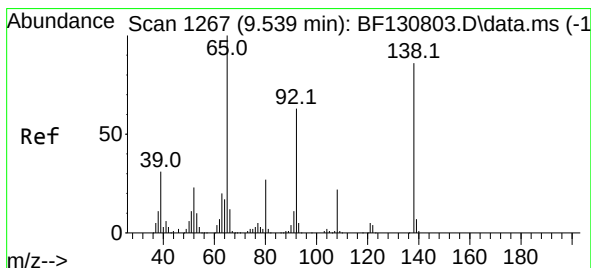
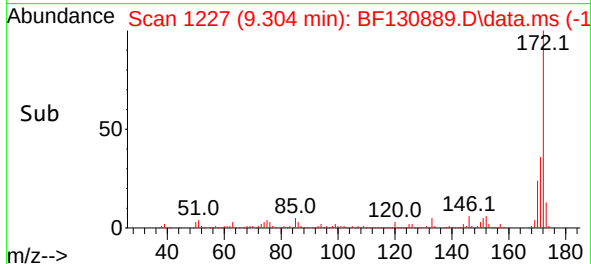
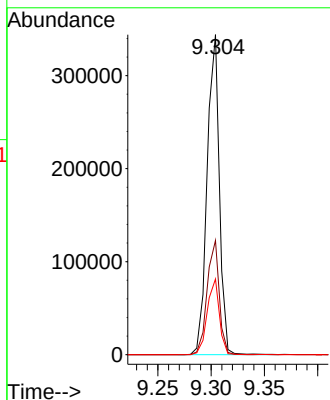
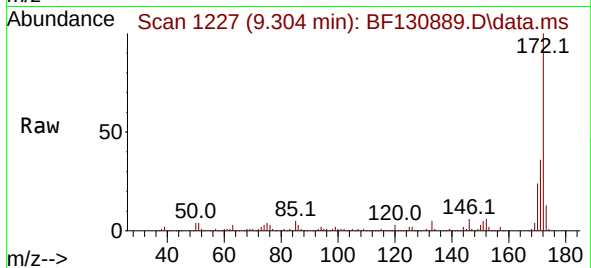
Tgt Ion:172 Resp: 275937

Ion Ratio Lower Upper

172 100

171 35.7 28.1 42.1

170 23.7 19.0 28.4



#48

2-Nitroaniline

Concen: 4.236 ng

RT: 9.492 min Scan# 1259

Delta R.T. -0.041 min

Lab File: BF130889.D

Acq: 31 Oct 2022 20:26

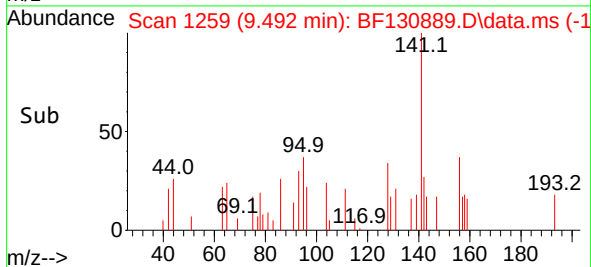
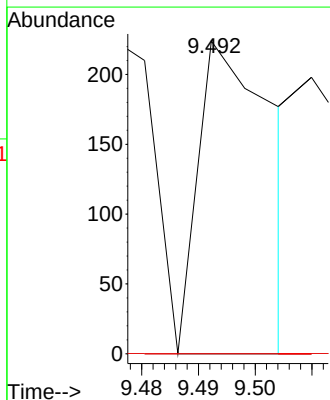
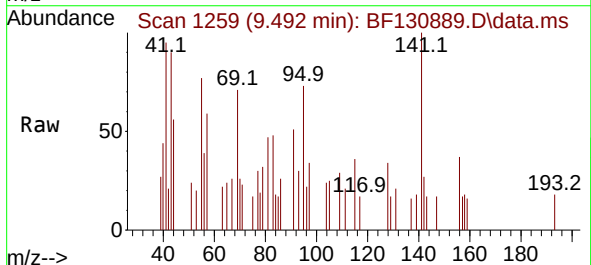
Tgt Ion: 65 Resp: 209

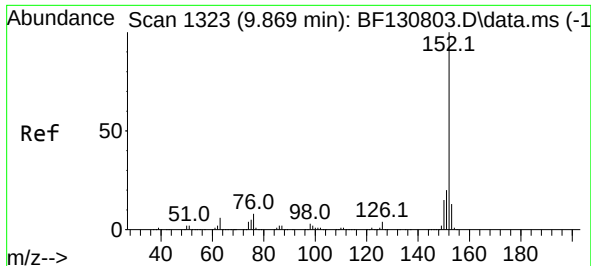
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#





#49

Acenaphthylene

Concen: 7.004 ng

RT: 9.845 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130889.D

Acq: 31 Oct 2022 20:26

Instrument :

BNA_F

ClientSampleId :

HD-01-102822

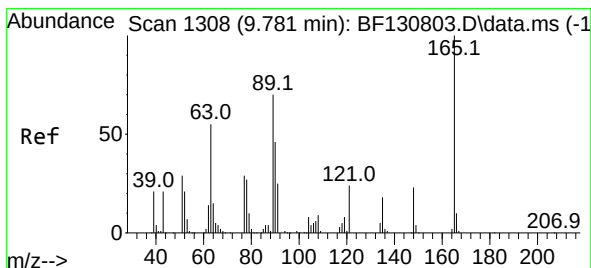
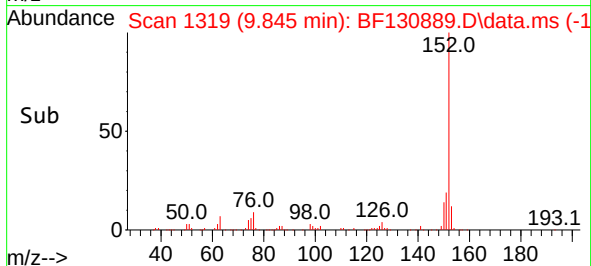
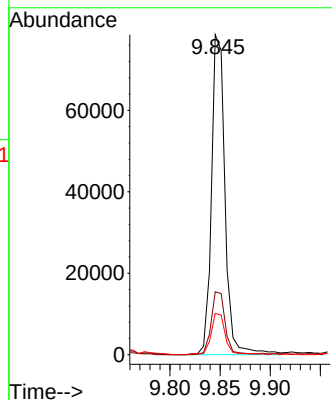
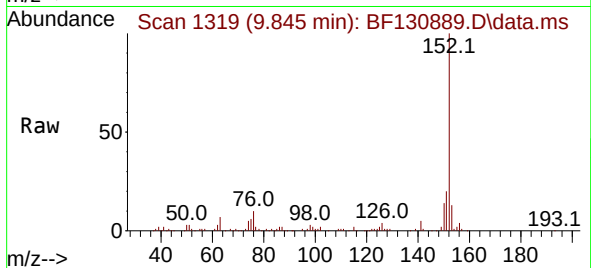
Tgt Ion:152 Resp: 74001

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

153 12.9 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 12.826 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.212 min

Lab File: BF130889.D

Acq: 31 Oct 2022 20:26

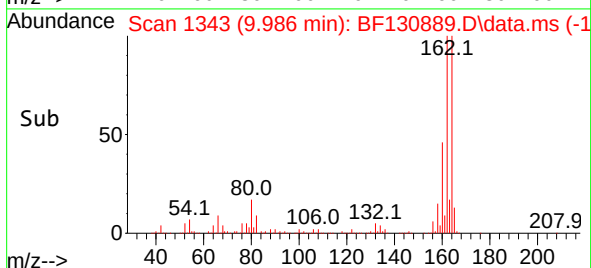
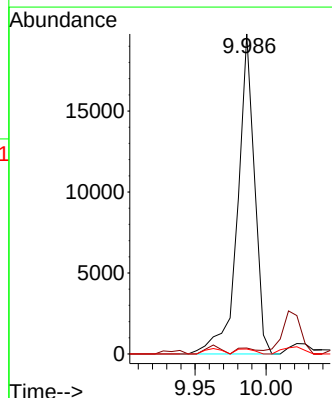
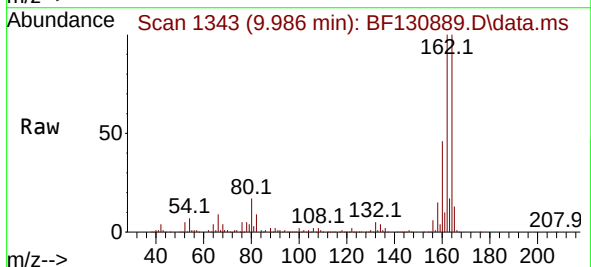
Tgt Ion:165 Resp: 16285

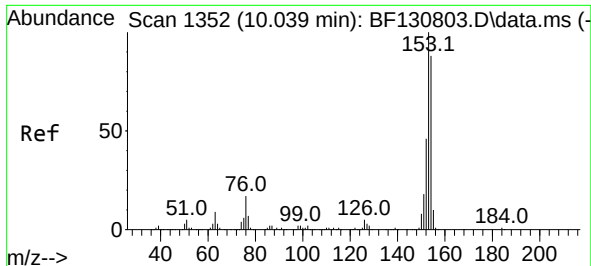
Ion Ratio Lower Upper

165 100

63 1.9 61.8 92.8#

89 1.5 56.2 84.4#

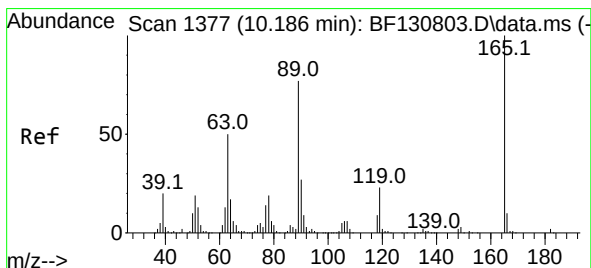
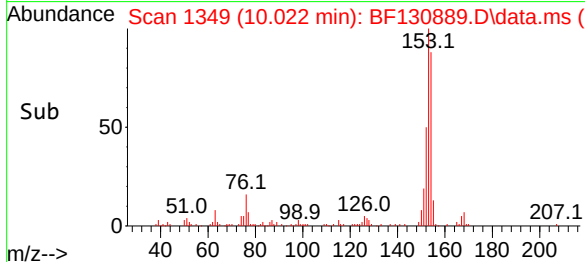
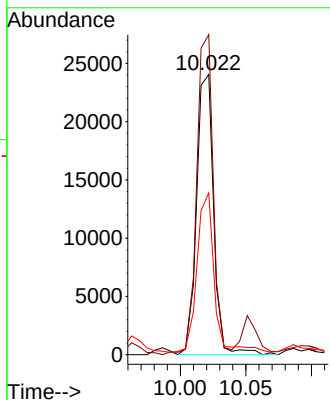
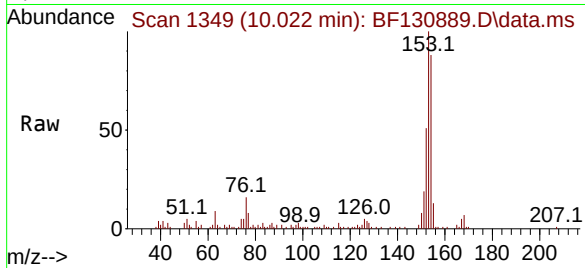




#52
Acenaphthene
Concen: 3.336 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

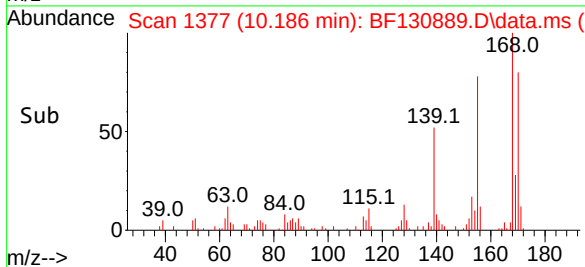
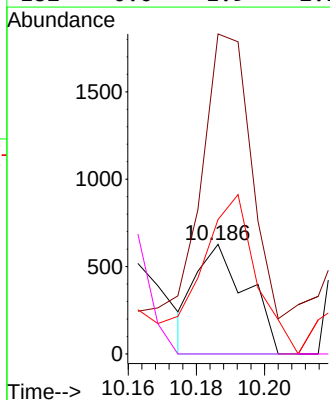
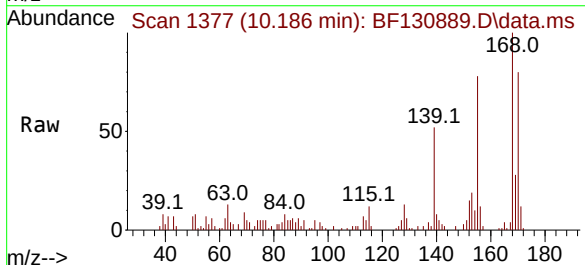
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

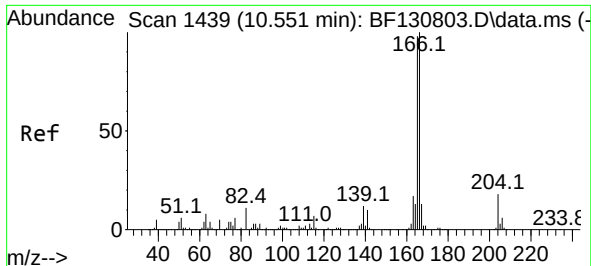
Tgt Ion:154 Resp: 21793
Ion Ratio Lower Upper
154 100
153 114.2 90.5 135.7
152 57.7 42.0 63.0



#57
2,4-Dinitrotoluene
Concen: 4.020 ng
RT: 10.186 min Scan# 1377
Delta R.T. 0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:165 Resp: 652
Ion Ratio Lower Upper
165 100
63 292.0 39.8 59.6#
89 122.6 61.9 92.9#
182 0.0 1.9 2.9#

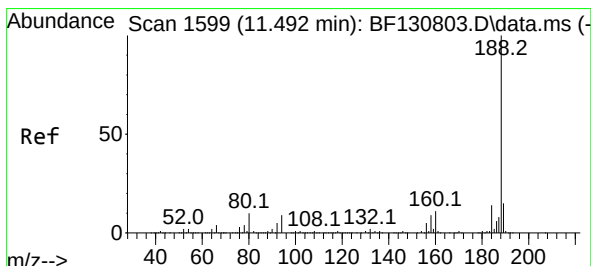
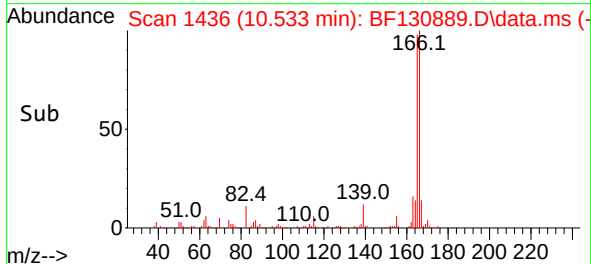
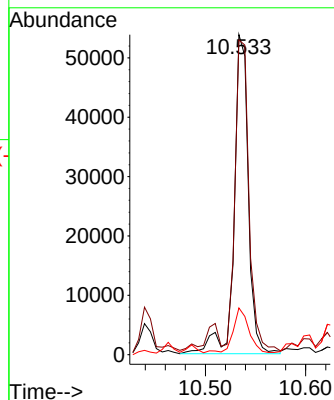
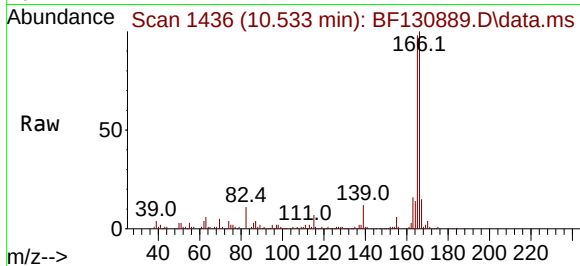




#58
Fluorene
Concen: 7.136 ng
RT: 10.533 min Scan# 1439
Delta R.T. -0.012 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

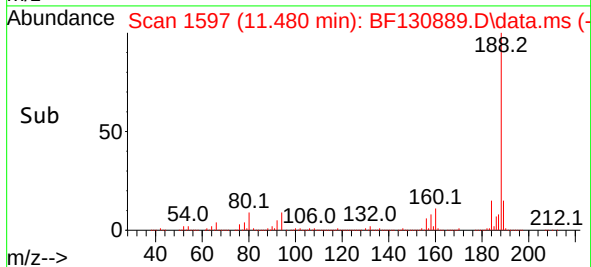
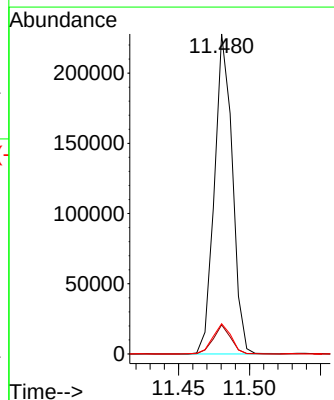
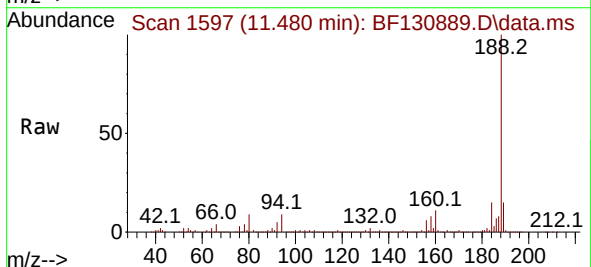
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

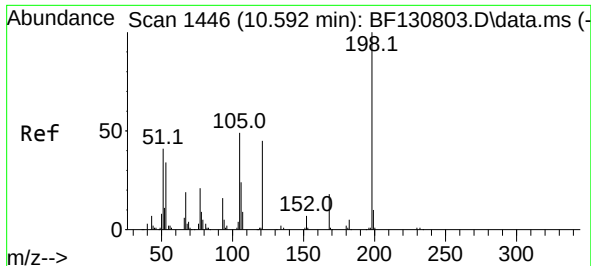
Tgt Ion:166 Resp: 53210
Ion Ratio Lower Upper
166 100
165 98.3 78.1 117.1
167 14.6 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

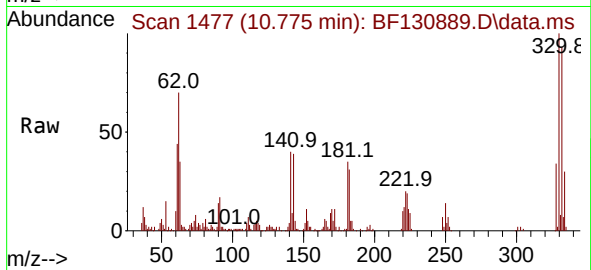
Tgt Ion:188 Resp: 199632
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.5 8.0 12.0



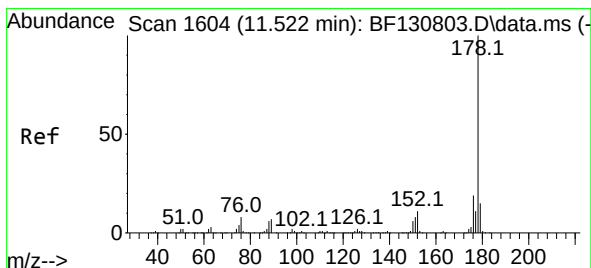
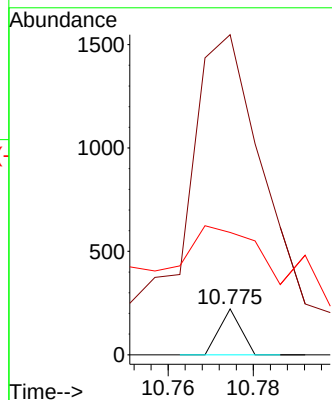
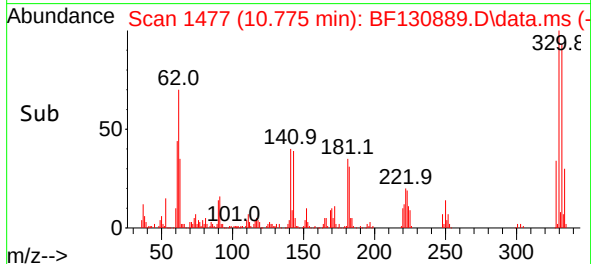


#65
4,6-Dinitro-2-methylphenol
Concen: 8.006 ng
RT: 10.775 min Scan# 1446
Delta R.T. 0.188 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

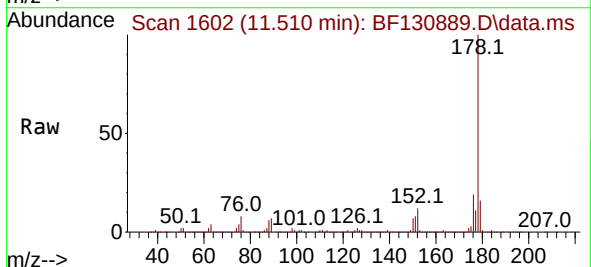
Instrument :
BNA_F
ClientSampleId :
HD-01-102822



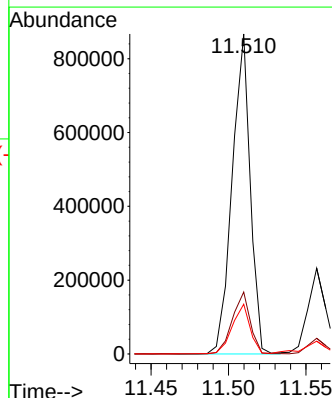
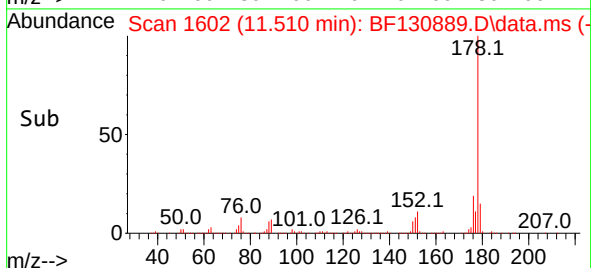
Tgt Ion:198 Resp: 78
Ion Ratio Lower Upper
198 100
51 697.3 39.0 79.0#
105 266.7 30.6 70.6#

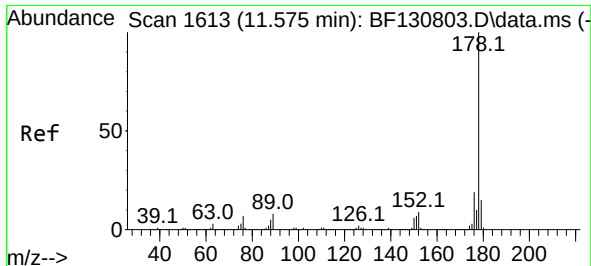


#71
Phenanthrene
Concen: 68.109 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26



Tgt Ion:178 Resp: 701774
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.6 12.2 18.2

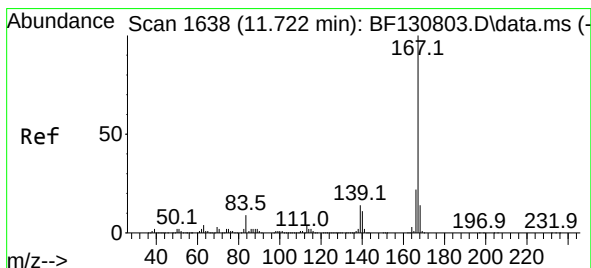
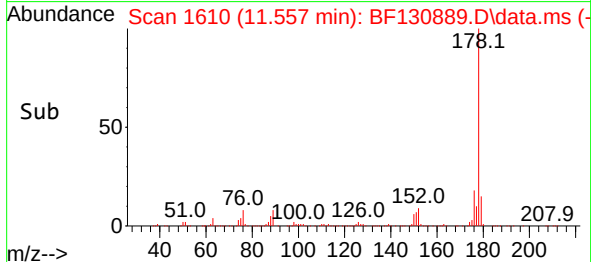
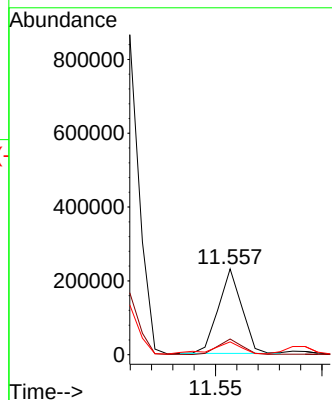
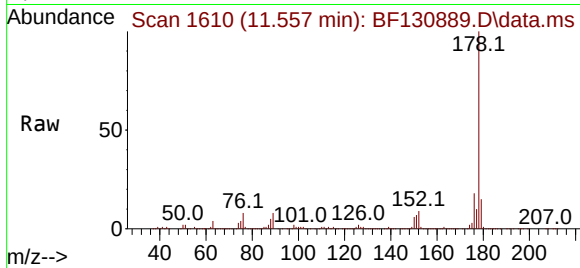




#72
 Anthracene
 Concen: 17.398 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BF130889.D
 Acq: 31 Oct 2022 20:26

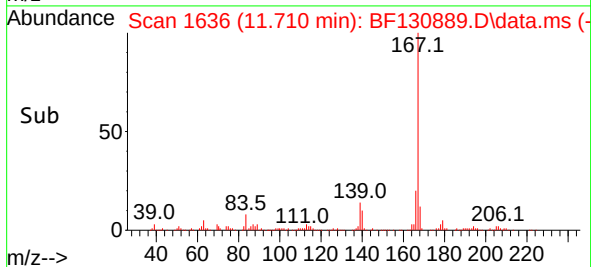
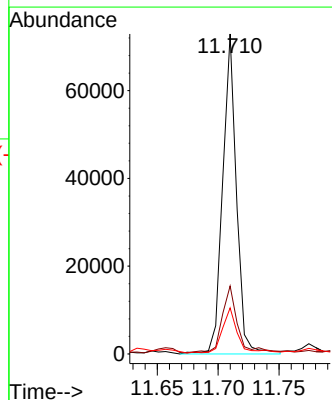
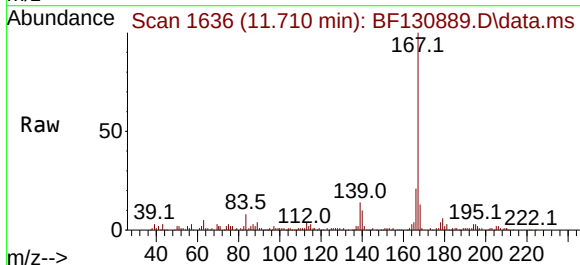
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102822

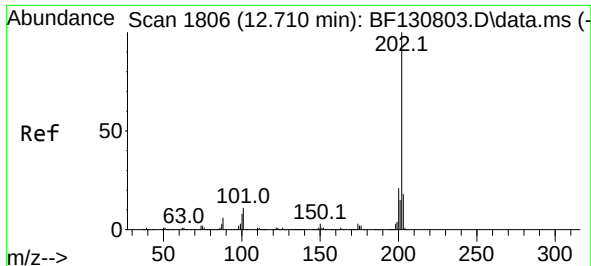
Tgt Ion:178 Resp: 176817
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 14.9 12.2 18.4



#73
 Carbazole
 Concen: 6.346 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BF130889.D
 Acq: 31 Oct 2022 20:26

Tgt Ion:167 Resp: 57756
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 14.4 11.3 16.9

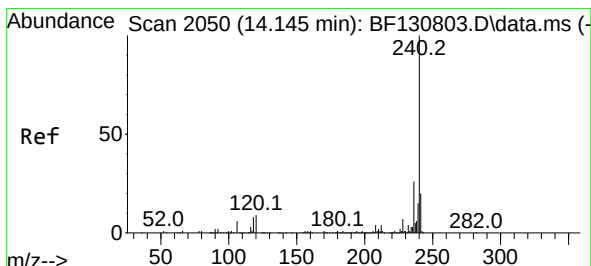
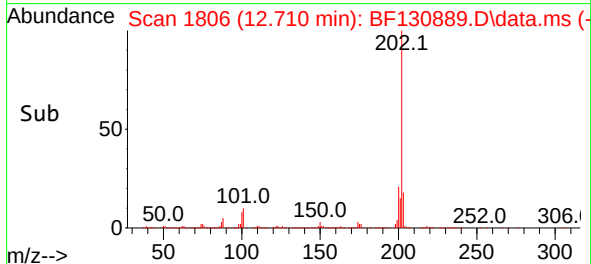
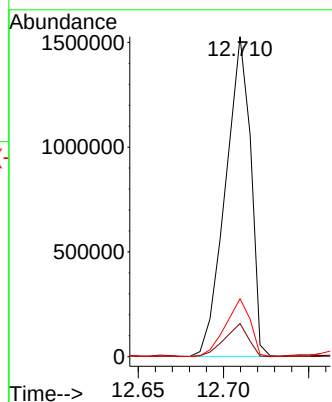
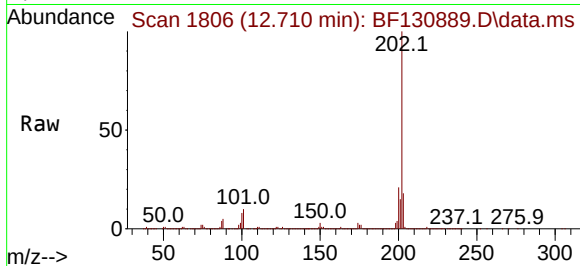




#75
Fluoranthene
Concen: 143.367 ng
RT: 12.710 min Scan# 1806
Delta R.T. 0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

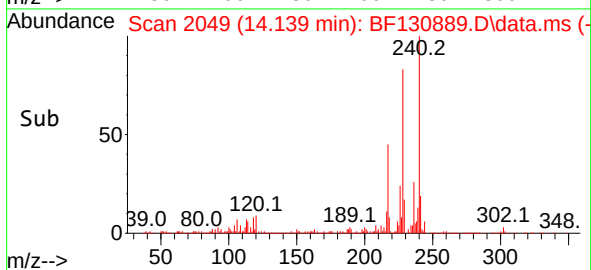
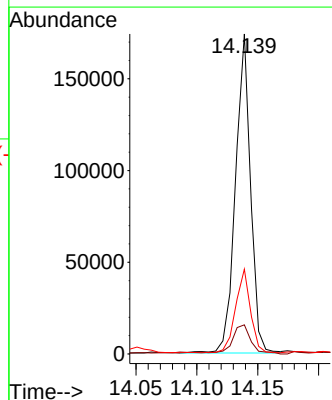
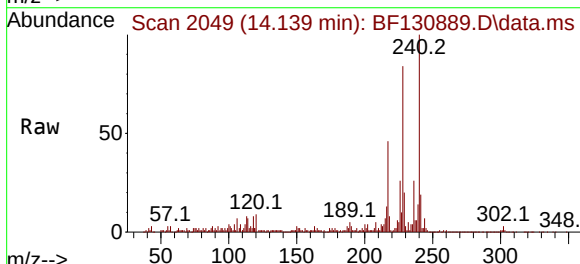
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

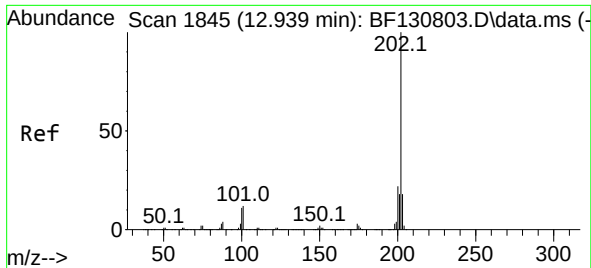
Tgt Ion:202 Resp: 1569517
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.9
203 18.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2049
Delta R.T. 0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:240 Resp: 149317
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.4
236 26.5 20.5 30.7

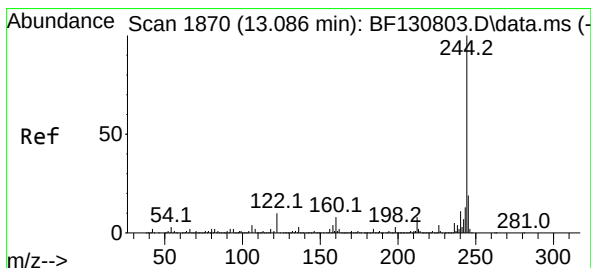
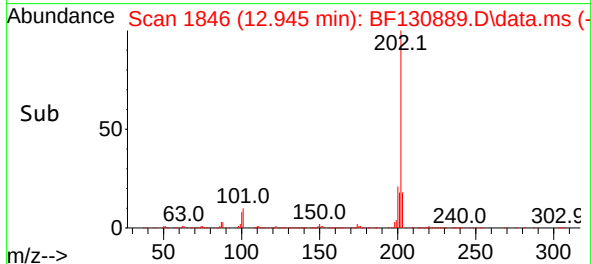
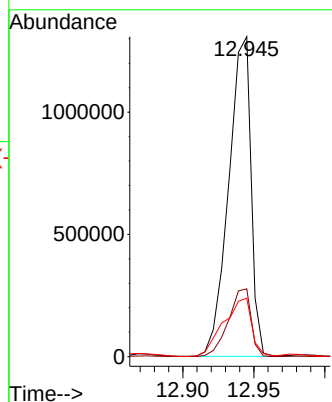
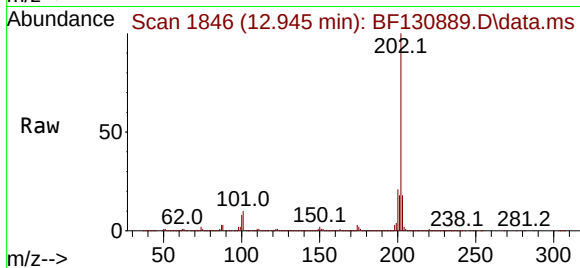




#78
Pyrene
Concen: 114.060 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.012 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

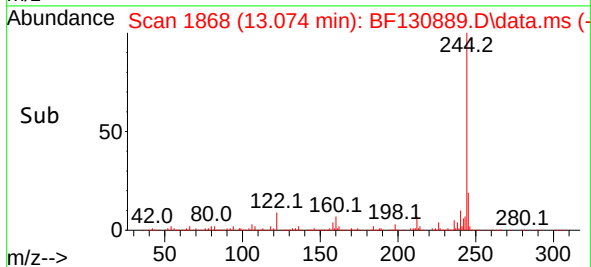
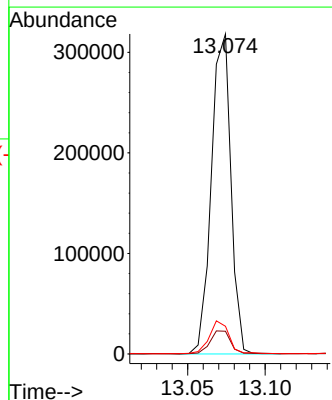
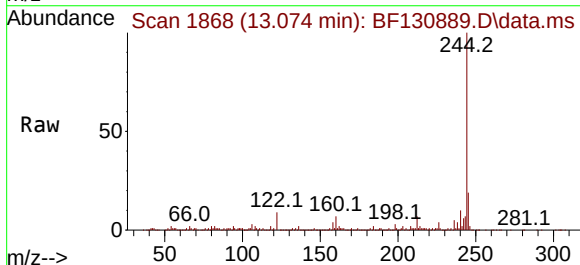
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

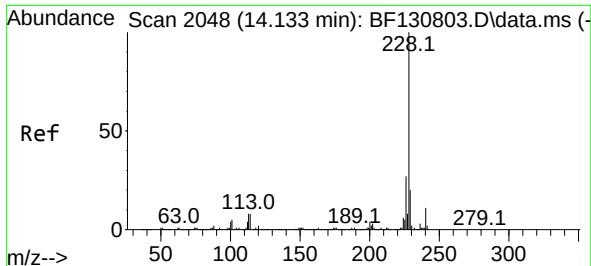
Tgt Ion:202 Resp: 1436877
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 18.3 14.5 21.7



#79
Terphenyl-d14
Concen: 34.289 ng
RT: 13.074 min Scan# 1868
Delta R.T. -0.000 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:244 Resp: 279402
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.2
122 8.6 7.9 11.9

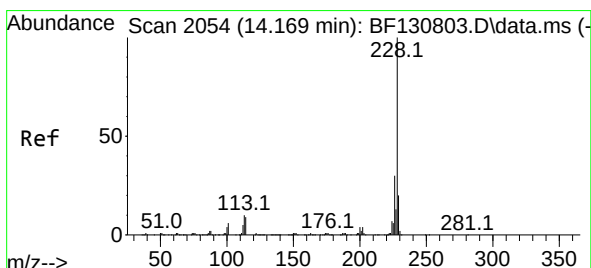
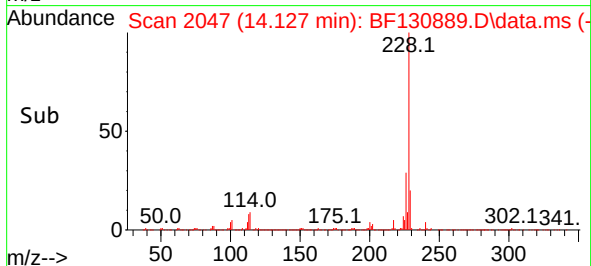
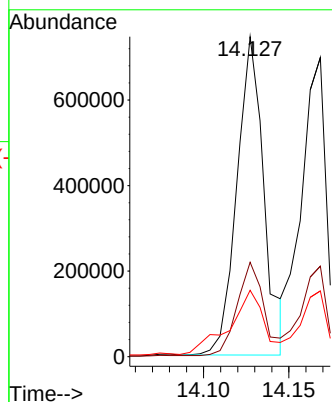
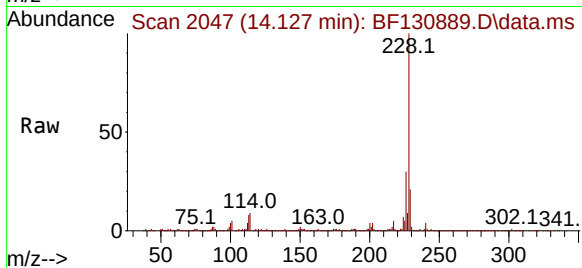




#81
Benzo(a)anthracene
Concen: 82.714 ng
RT: 14.127 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

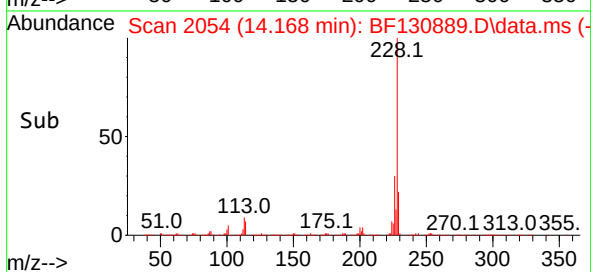
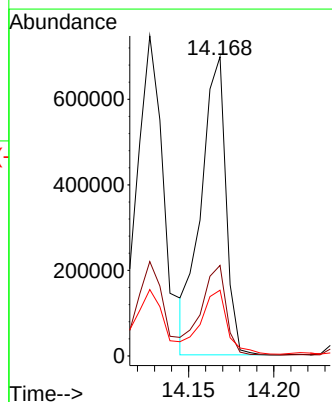
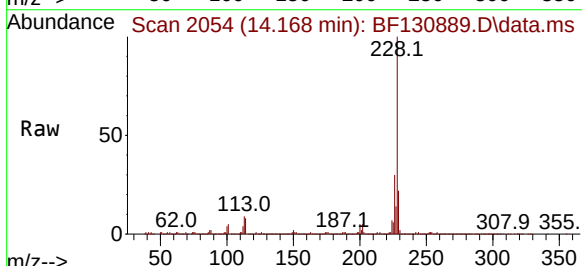
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

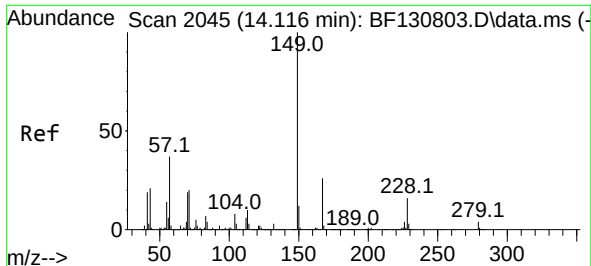
Tgt Ion:228 Resp: 818845
Ion Ratio Lower Upper
228 100
226 29.5 21.4 32.2
229 20.7 15.8 23.6



#83
Chrysene
Concen: 74.069 ng
RT: 14.168 min Scan# 2054
Delta R.T. 0.012 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:228 Resp: 707287
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 22.0 15.8 23.6

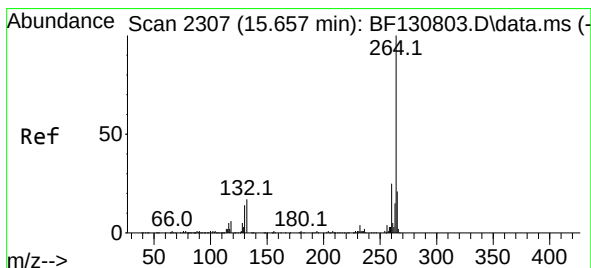
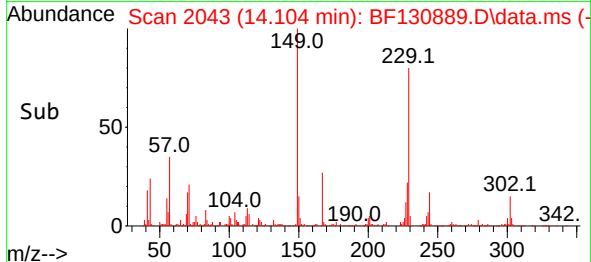
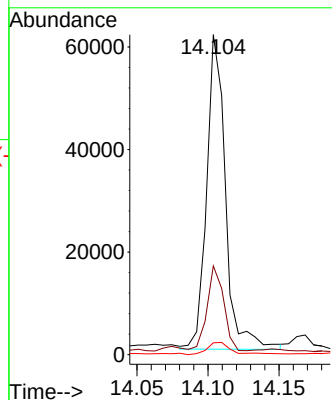
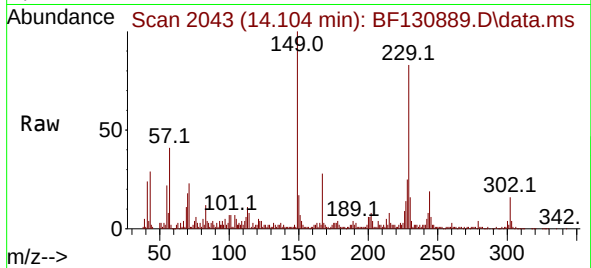




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 10.423 ng
 RT: 14.104 min Scan# 2043
 Delta R.T. -0.000 min
 Lab File: BF130889.D
 Acq: 31 Oct 2022 20:26

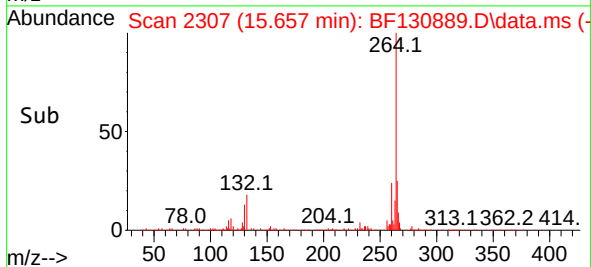
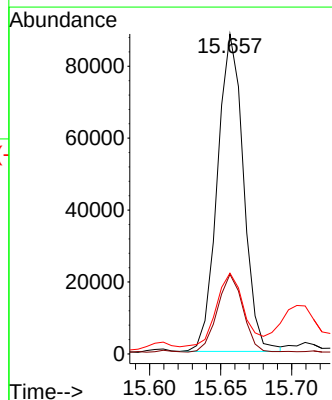
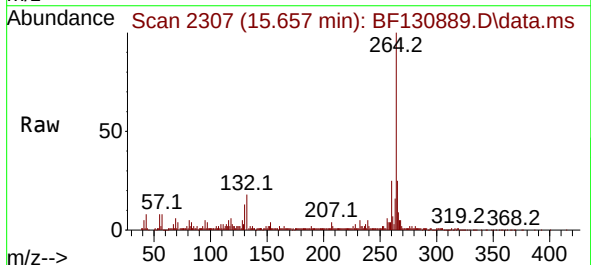
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102822

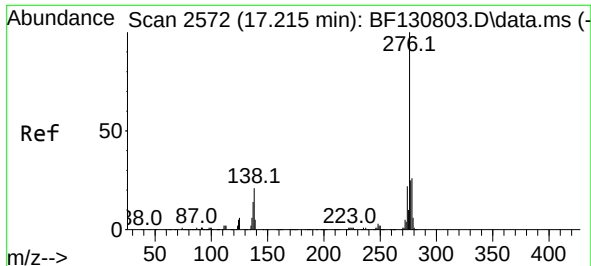
Tgt Ion:	149	Resp:	56800
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.0	31.4
279	3.7	3.0	4.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.657 min Scan# 2307
 Delta R.T. 0.012 min
 Lab File: BF130889.D
 Acq: 31 Oct 2022 20:26

Tgt Ion:	264	Resp:	112556
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.9	29.9
265	25.3	17.0	25.6

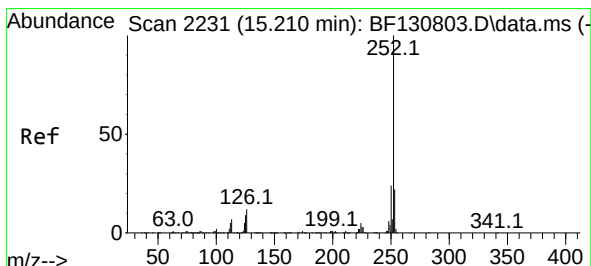
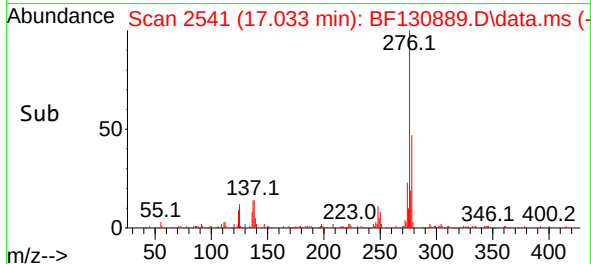
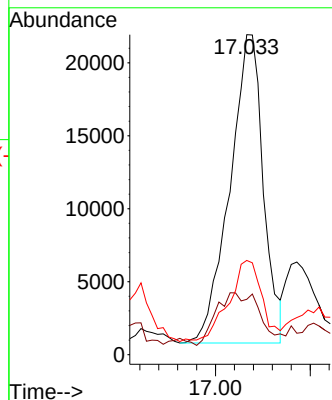
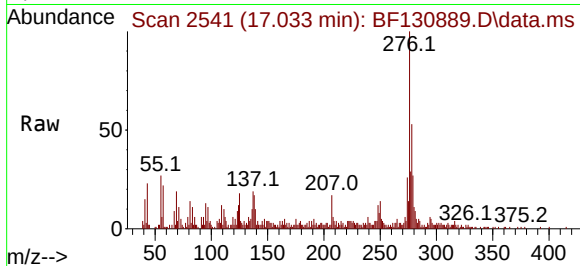




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.943 ng
 RT: 17.033 min Scan# 2541
 Delta R.T. -0.159 min
 Lab File: BF130889.D
 Acq: 31 Oct 2022 20:26

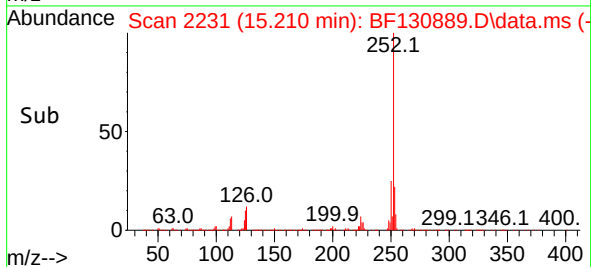
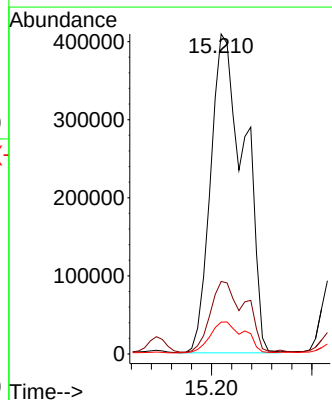
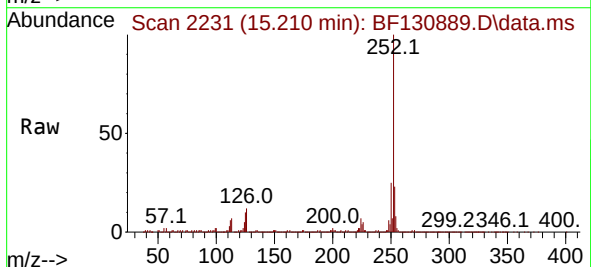
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102822

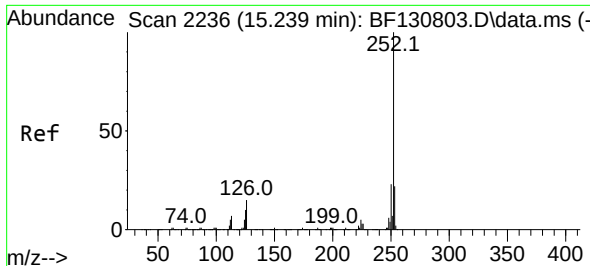
Tgt Ion:276 Resp: 51894
 Ion Ratio Lower Upper
 276 100
 138 21.7 19.1 28.7
 277 26.3 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 132.066 ng
 RT: 15.210 min Scan# 2231
 Delta R.T. 0.012 min
 Lab File: BF130889.D
 Acq: 31 Oct 2022 20:26

Tgt Ion:252 Resp: 960905
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 10.0 7.0 10.4

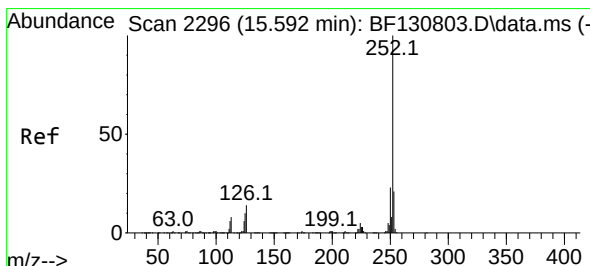
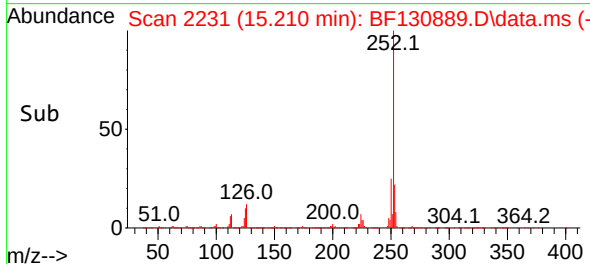
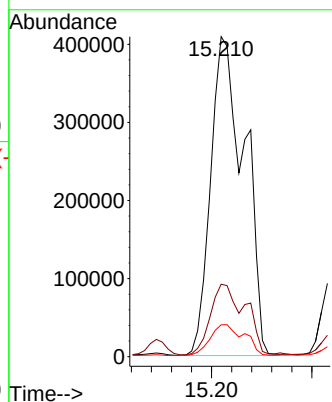
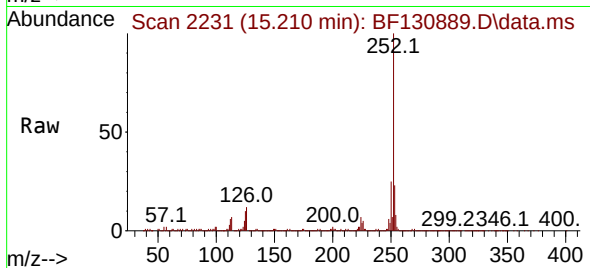




#89
Benzo(k)fluoranthene
Concen: 135.532 ng
RT: 15.210 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

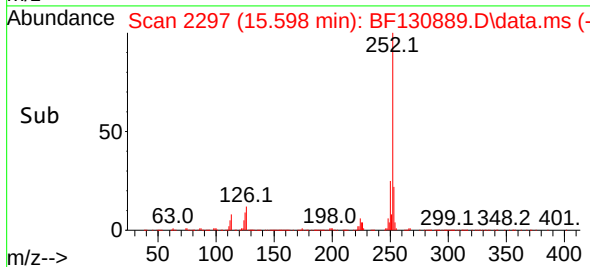
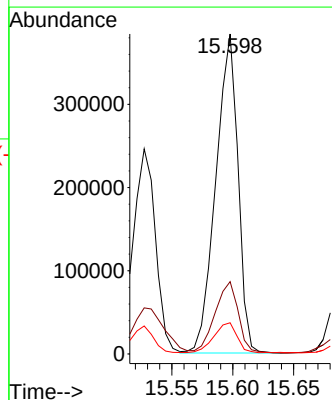
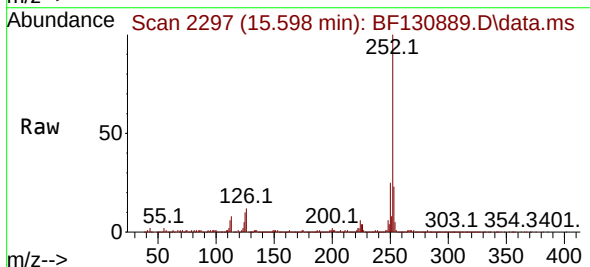
Instrument :
BNA_F
ClientSampleId :
HD-01-102822

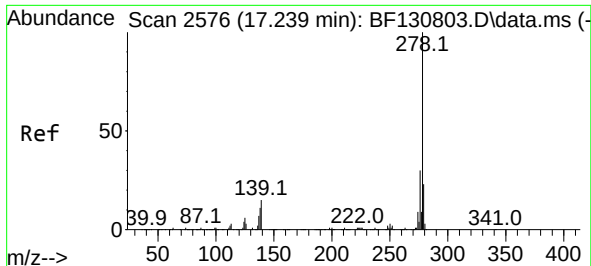
Tgt Ion:252 Resp: 960905
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.0 8.0 12.0



#90
Benzo(a)pyrene
Concen: 83.031 ng
RT: 15.598 min Scan# 2297
Delta R.T. 0.018 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:252 Resp: 485645
Ion Ratio Lower Upper
252 100
253 22.6 16.8 25.2
125 9.8 8.3 12.5

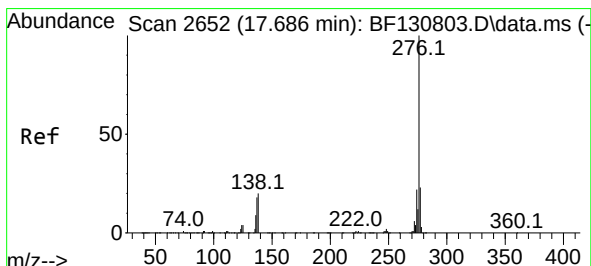
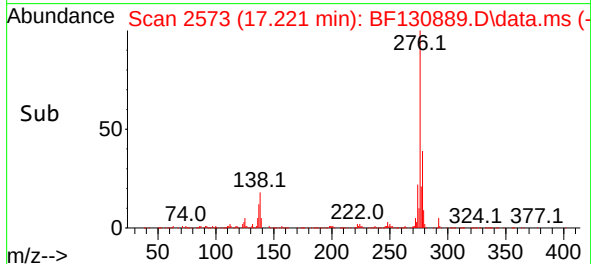
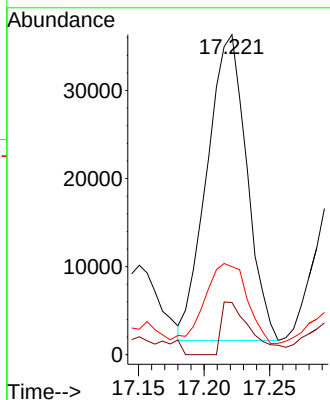
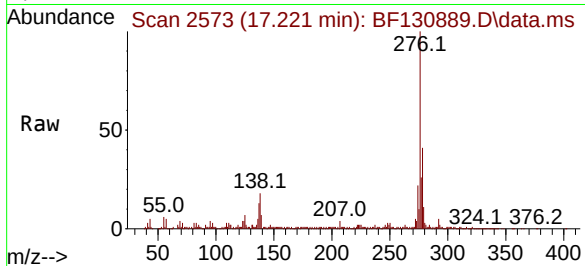




#91
Dibenzo(a,h)anthracene
Concen: 12.019 ng
RT: 17.221 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Tgt Ion:278 Resp: 73237
Ion Ratio Lower Upper
278 100
139 16.3 11.9 17.9
279 27.5 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 39.090 ng
RT: 17.686 min Scan# 2652
Delta R.T. 0.018 min
Lab File: BF130889.D
Acq: 31 Oct 2022 20:26

Tgt Ion:276 Resp: 243000
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 18.0 16.3 24.5

