

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
 Data File : BF133395.D
 Acq On : 15 May 2023 21:28
 Operator : CG\JU
 Sample : 02760-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-051123

Quant Time: May 16 03:15:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

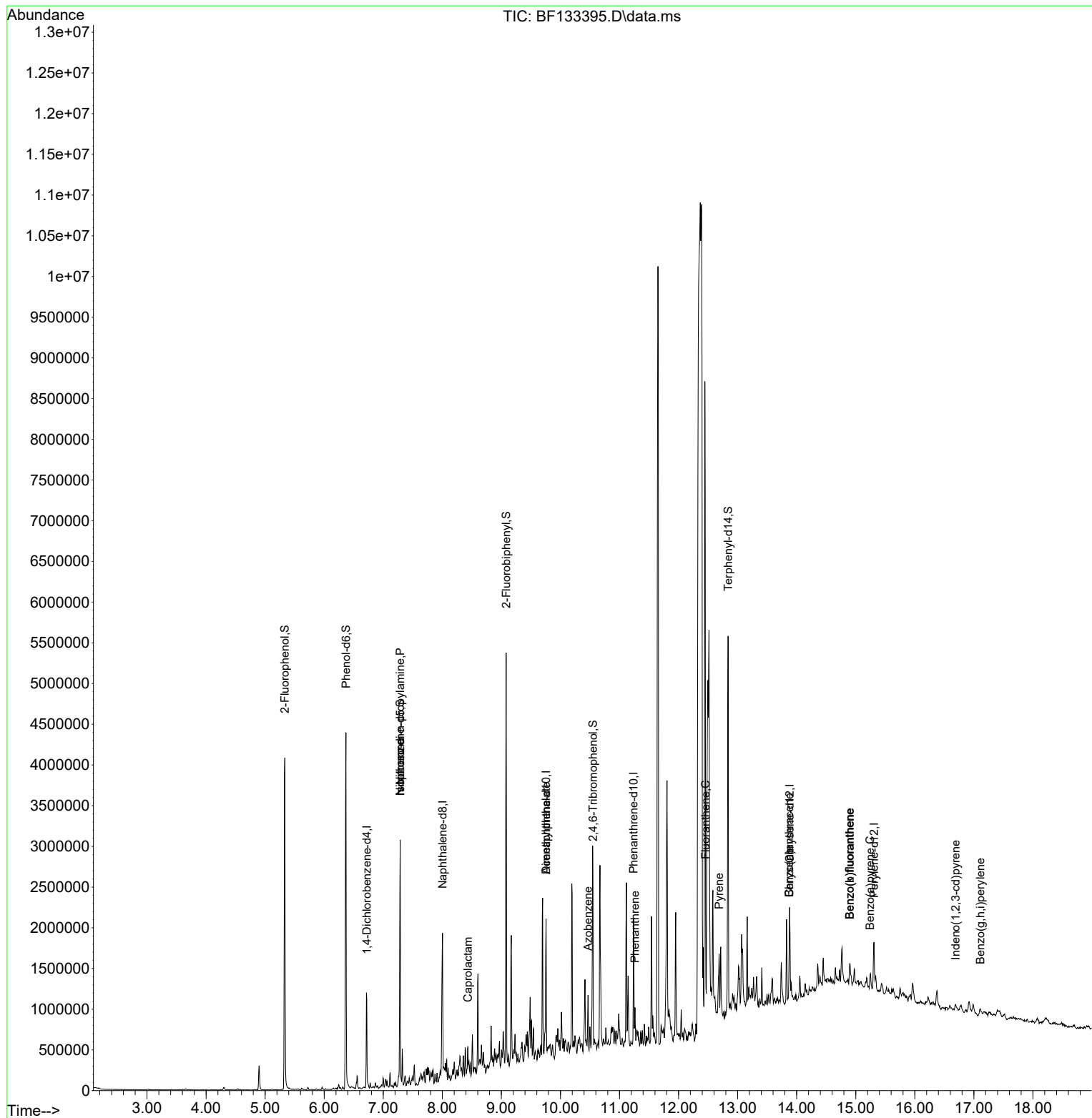
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	179081	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	650776	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	296610	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	541325	20.000	ng	0.00
76) Chrysene-d12	13.880	240	339314	20.000	ng	# 0.00
86) Perylene-d12	15.309	264	278193	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1297021	109.408	ng	0.00
7) Phenol-d6	6.369	99	1517392	103.123	ng	0.00
23) Nitrobenzene-d5	7.286	82	881932	73.149	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	324580	108.811	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1504843	84.879	ng	0.00
79) Terphenyl-d14	12.839	244	1666714	84.716	ng	0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.269	77	1350	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.286	70	113593	12.400	ng	# 75
25) Isophorone	7.286	82	873888	38.176	ng	# 63
35) Caprolactam	8.433	113	7552	2.444	ng	# 20
50) Dimethylphthalate	9.757	163	62388	3.017	ng	# 1
63) Azobenzene	10.469	77	77596	3.750	ng	# 1
71) Phenanthrene	11.263	178	148267	5.096	ng	99
75) Fluoranthene	12.457	202	239560	8.204	ng	97
78) Pyrene	12.686	202	280096	9.630	ng	99
81) Benzo(a)anthracene	13.874	228	112190	4.808	ng	92
83) Chrysene	13.874	228	112190	4.809	ng	96
87) Indeno(1,2,3-cd)pyrene	16.692	276	49229	3.111	ng	# 87
88) Benzo(b)fluoranthene	14.898	252	147021	8.307	ng	# 82
89) Benzo(k)fluoranthene	14.898	252	147021	8.380	ng	# 83
90) Benzo(a)pyrene	15.245	252	80869	5.020	ng	# 86
92) Benzo(g,h,i)perylene	17.109	276	48932	3.755	ng	# 85

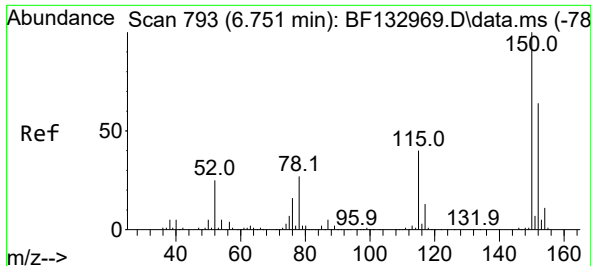
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF133395.D
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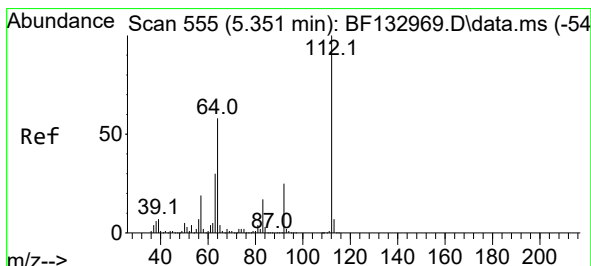
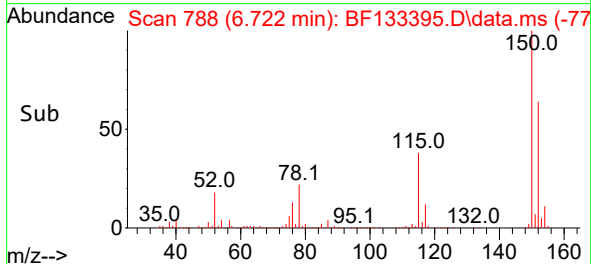
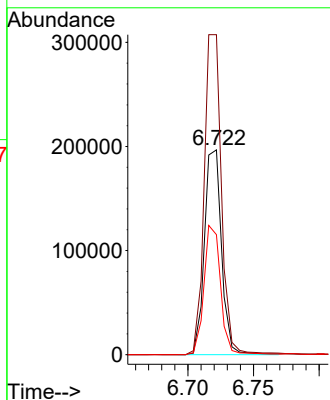
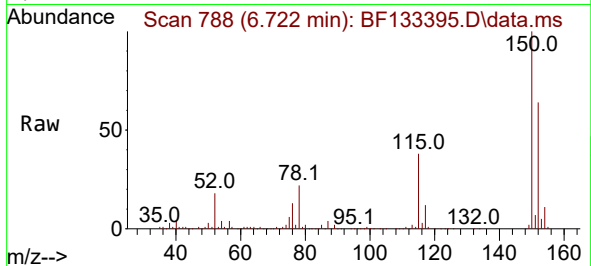




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

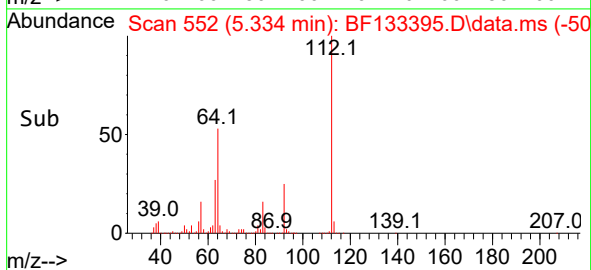
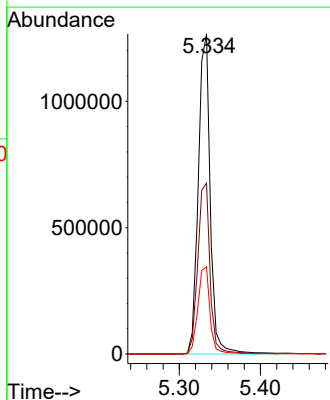
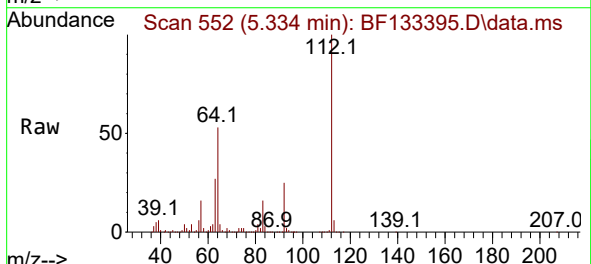
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

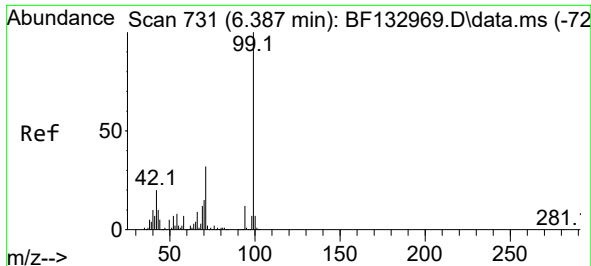
Tgt Ion:152 Resp: 179081
Ion Ratio Lower Upper
152 100
150 156.3 124.8 187.2
115 58.6 49.9 74.9



#5
2-Fluorophenol
Concen: 109.408 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

Tgt Ion:112 Resp: 1297021
Ion Ratio Lower Upper
112 100
64 53.4 46.8 70.2
63 27.2 23.8 35.8

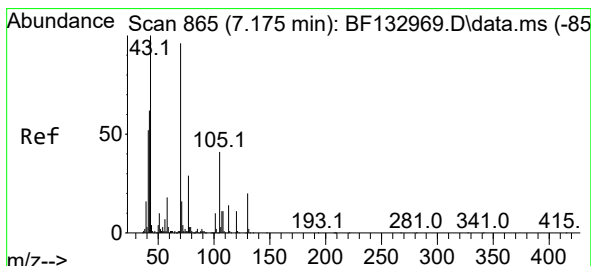
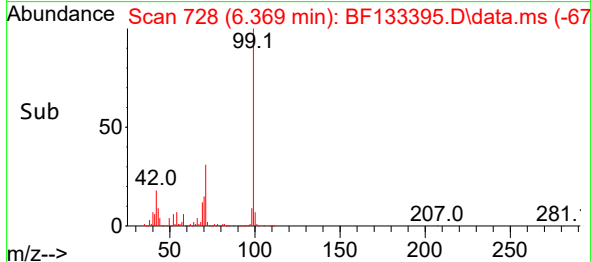
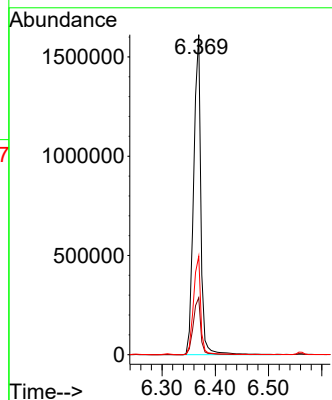
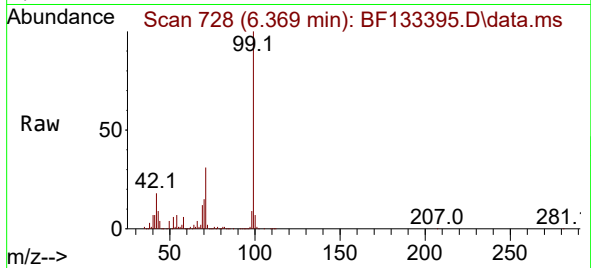




#7
Phenol-d6
Concen: 103.123 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

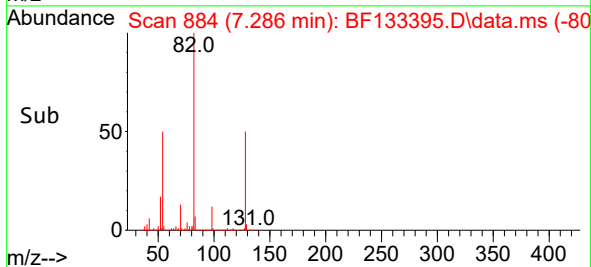
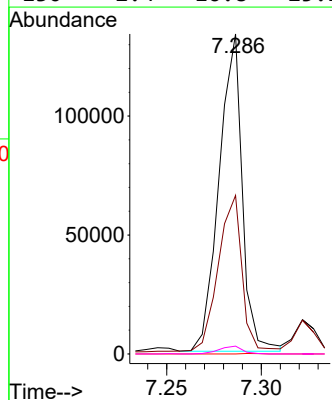
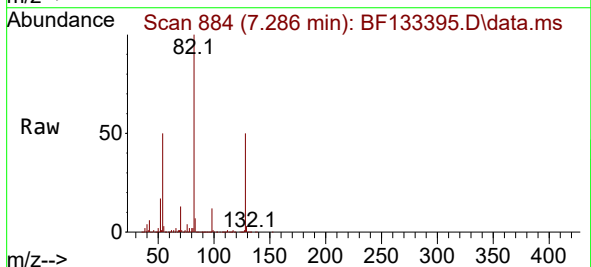
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

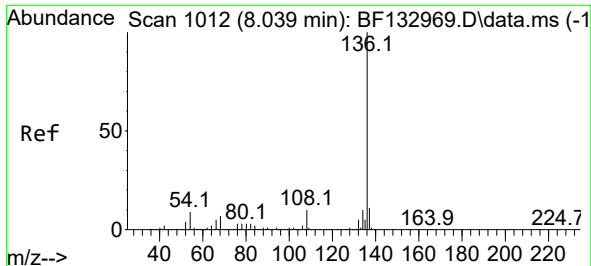
Tgt Ion: 99 Resp: 1517392
Ion Ratio Lower Upper
99 100
42 17.8 16.3 24.5
71 30.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.400 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

Tgt Ion: 70 Resp: 113593
Ion Ratio Lower Upper
70 100
42 49.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

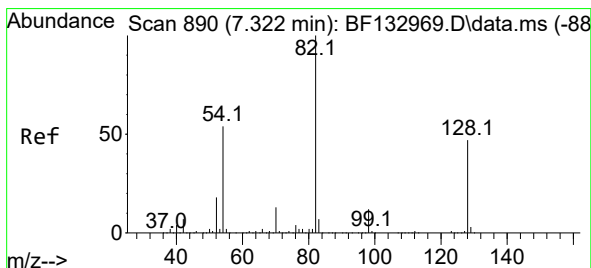
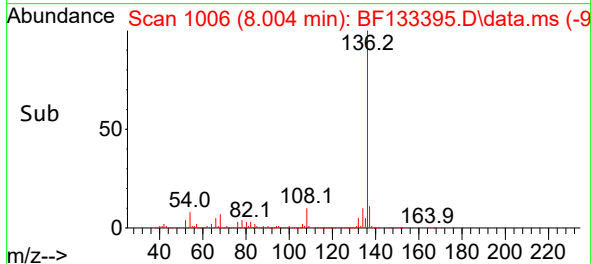
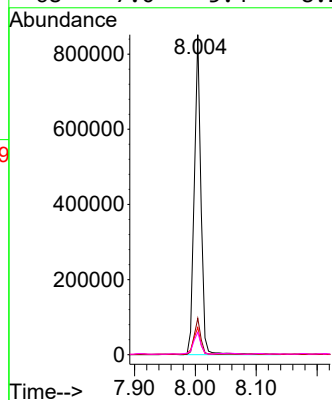
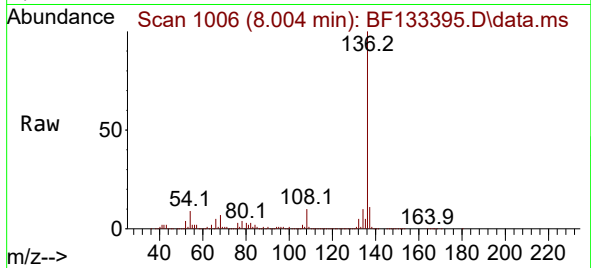
Instrument :

BNA_F

ClientSampleId :

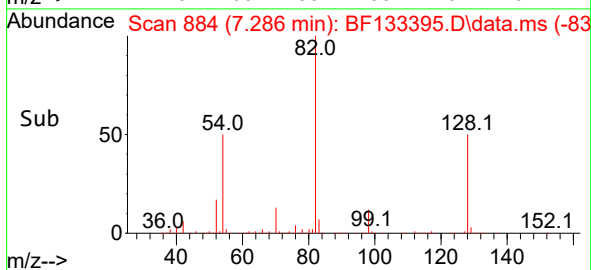
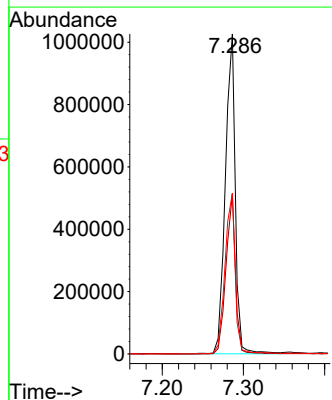
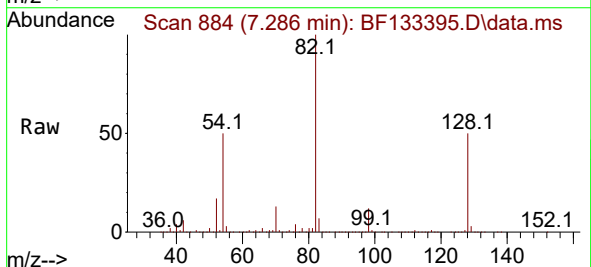
HR-4-051123

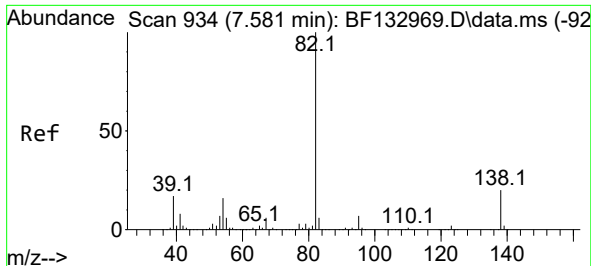
Tgt Ion:136 Resp: 650776
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.5 7.0 10.4
68 7.0 5.4 8.2



#23
Nitrobenzene-d5
Concen: 73.149 ng
RT: 7.286 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

Tgt Ion: 82 Resp: 881932
Ion Ratio Lower Upper
82 100
128 50.0 37.7 56.5
54 50.3 43.0 64.4

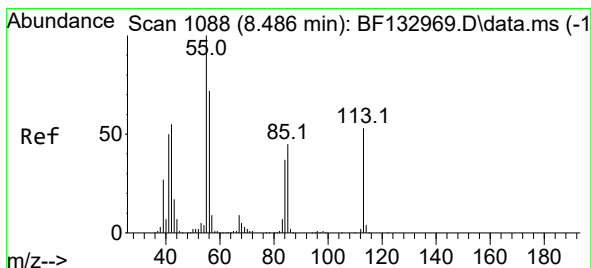
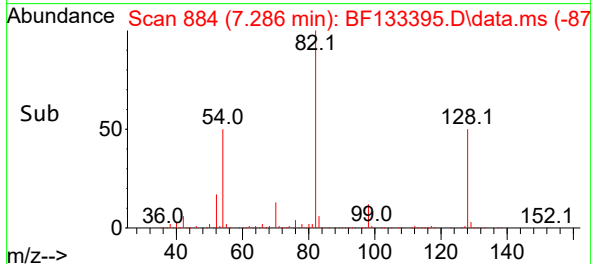
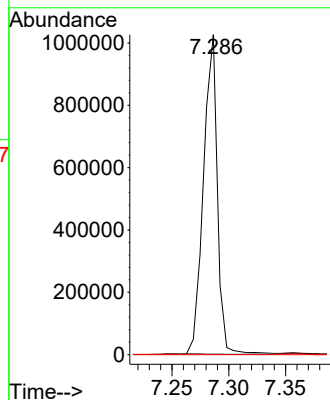
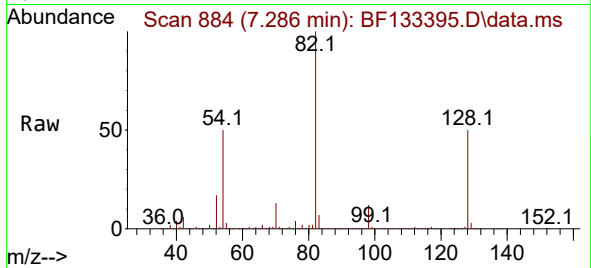




#25
Isophorone
Concen: 38.176 ng
RT: 7.286 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

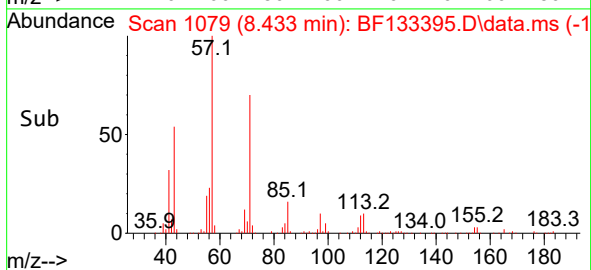
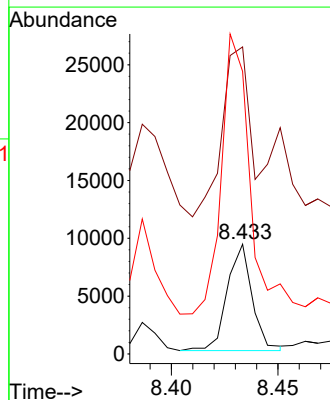
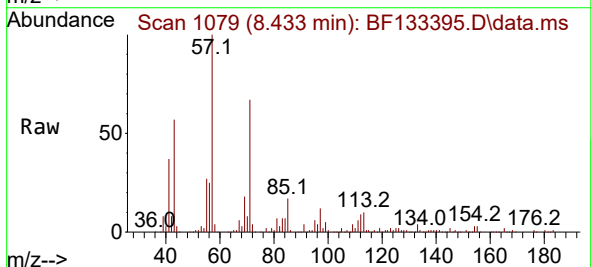
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

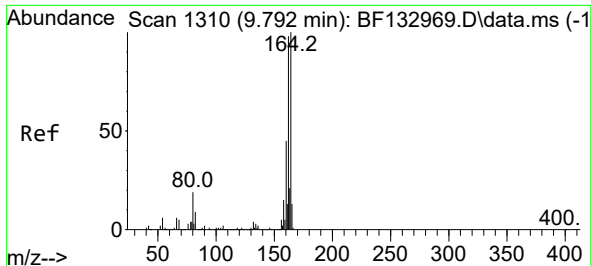
Tgt Ion: 82 Resp: 873888
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.0#
138 0.0 16.0 24.0#



#35
Caprolactam
Concen: 2.444 ng
RT: 8.433 min Scan# 1079
Delta R.T. -0.024 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

Tgt Ion: 113 Resp: 7552
Ion Ratio Lower Upper
113 100
55 279.6 167.1 207.1#
56 257.2 114.5 154.5#

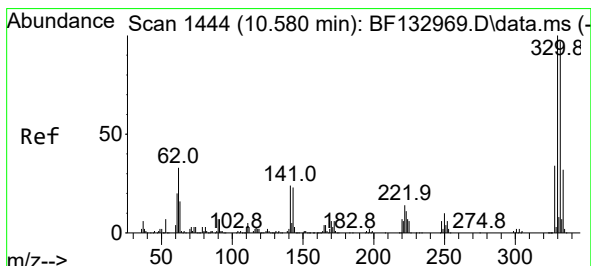
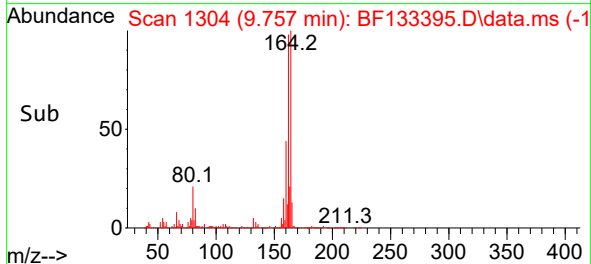
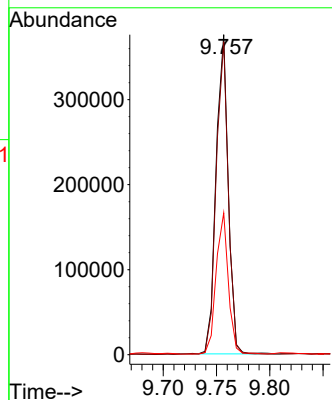
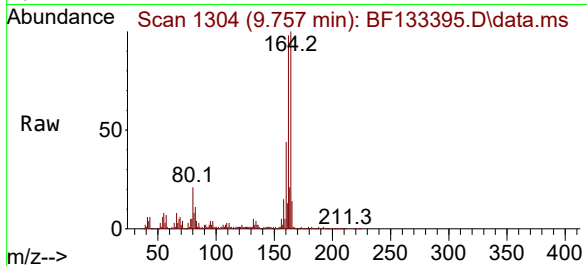




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

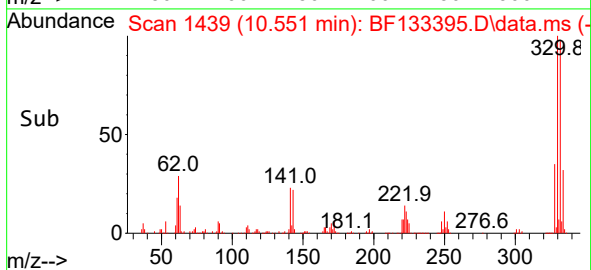
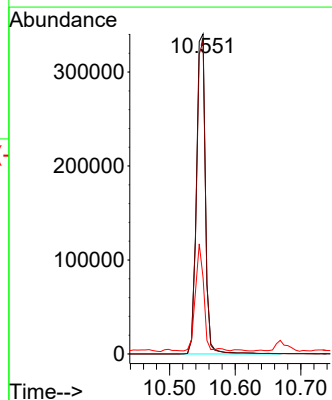
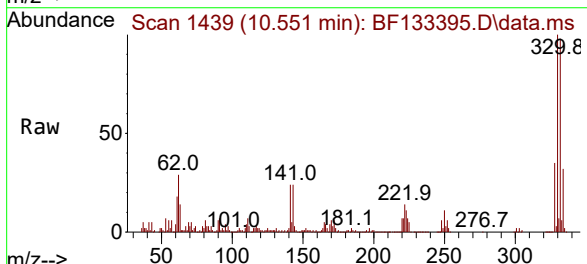
Instrument :
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ClientSampleId :
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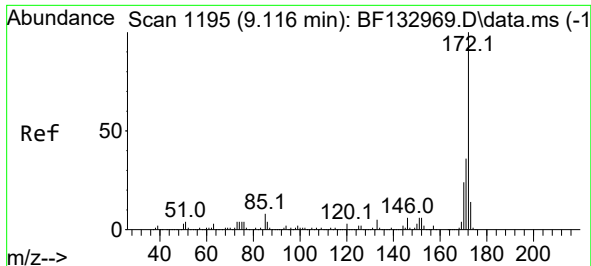
Tgt Ion:164 Resp: 296610
Ion Ratio Lower Upper
164 100
162 97.8 78.7 118.1
160 44.3 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 108.811 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

Tgt Ion:330 Resp: 324580
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 30.6 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 84.879 ng

RT: 9.080 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

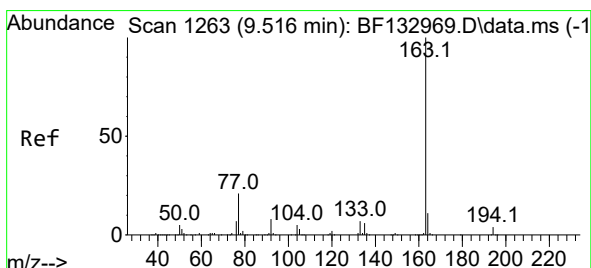
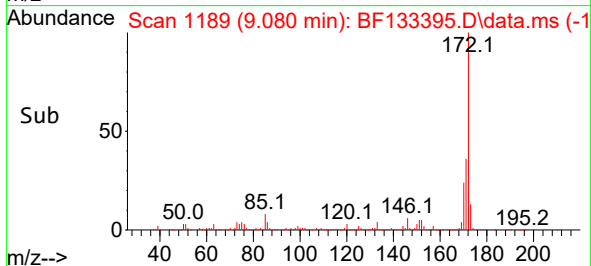
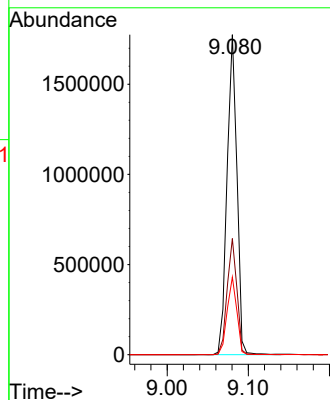
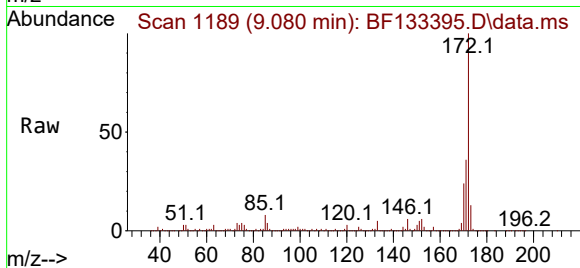
Tgt Ion:172 Resp: 1504843

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.3 19.4 29.2



#50

Dimethylphthalate

Concen: 3.017 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.270 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

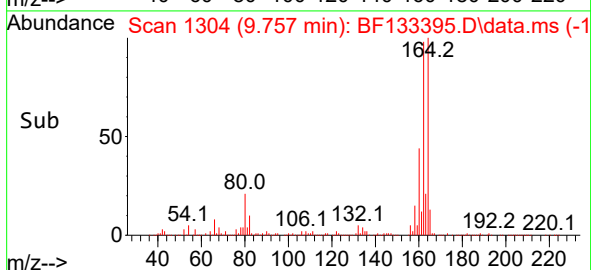
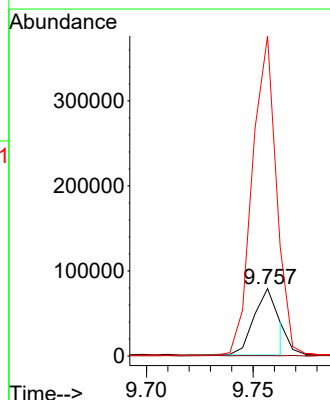
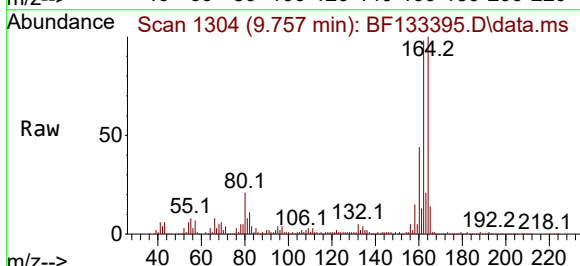
Tgt Ion:163 Resp: 62388

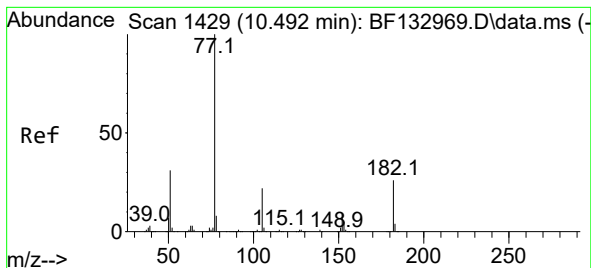
Ion Ratio Lower Upper

163 100

194 0.4 3.1 4.7#

164 474.5 8.5 12.7#





#63

Azobenzene

Concen: 3.750 ng

RT: 10.469 min Scan# 1425

Delta R.T. 0.006 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

Tgt Ion: 77 Resp: 77596

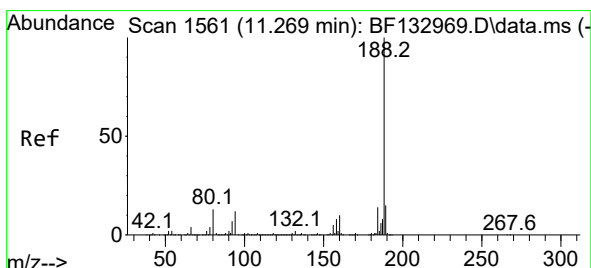
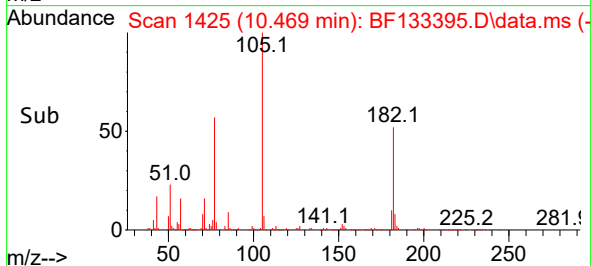
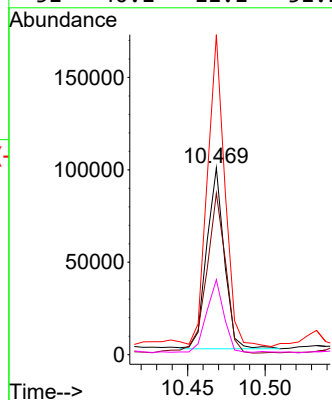
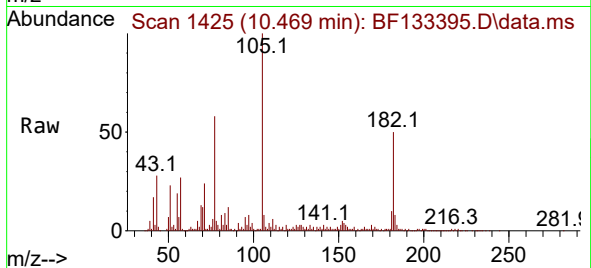
Ion Ratio Lower Upper

77 100

182 86.4 5.9 45.9#

105 171.2 2.3 42.3#

51 40.1 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.000 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

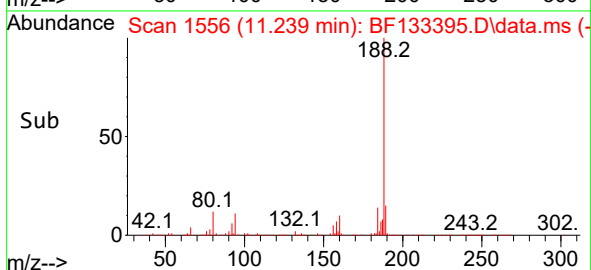
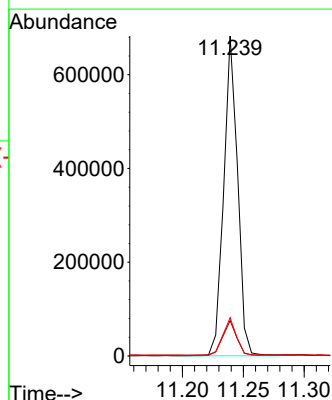
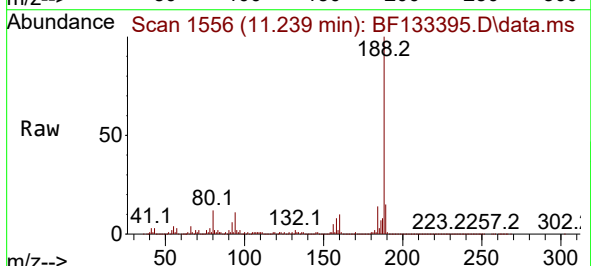
Tgt Ion:188 Resp: 541325

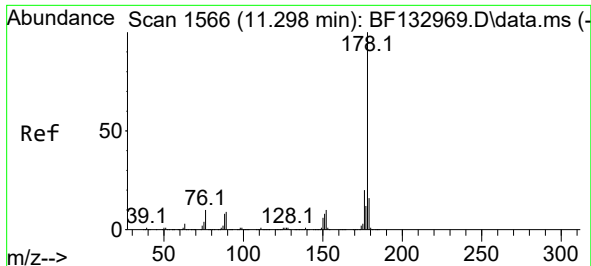
Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 12.0 10.4 15.6

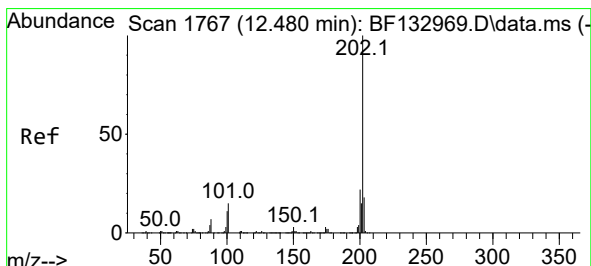
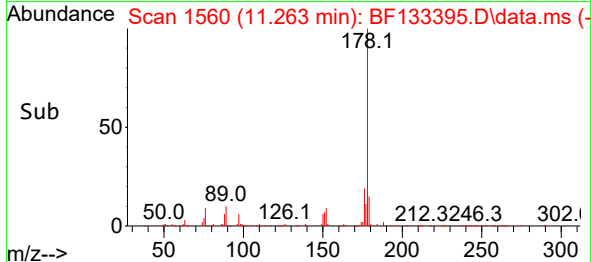
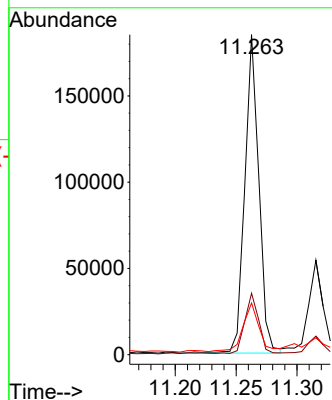
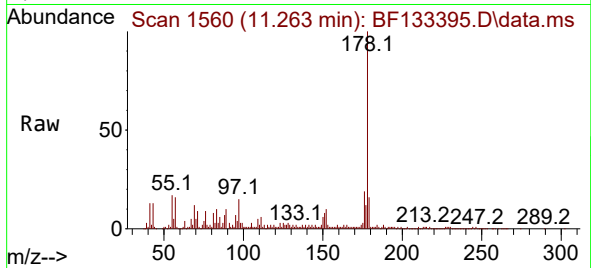




#71
Phenanthrene
Concen: 5.096 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

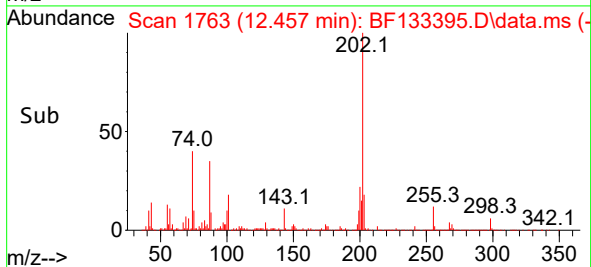
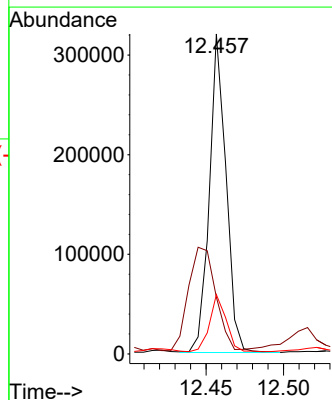
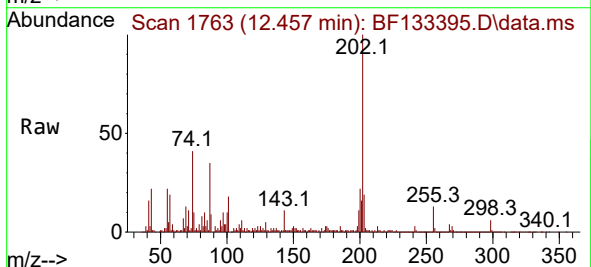
Instrument :
BNA_F
ClientSampleId :
HR-4-051123

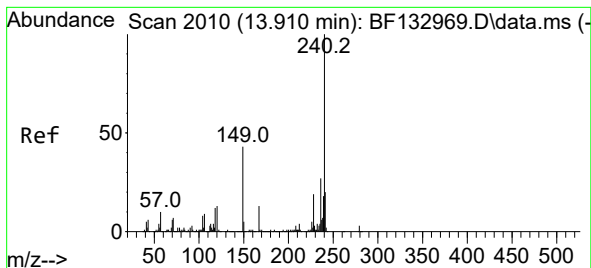
Tgt Ion:178 Resp: 148267
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 16.2 12.5 18.7



#75
Fluoranthene
Concen: 8.204 ng
RT: 12.457 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BF133395.D
Acq: 15 May 2023 21:28

Tgt Ion:202 Resp: 239560
Ion Ratio Lower Upper
202 100
101 17.7 0.0 35.3
203 18.5 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

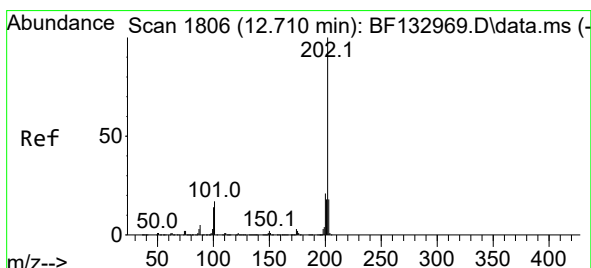
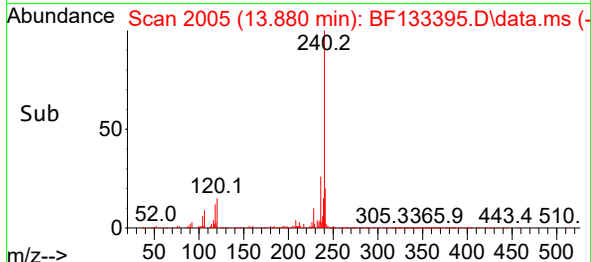
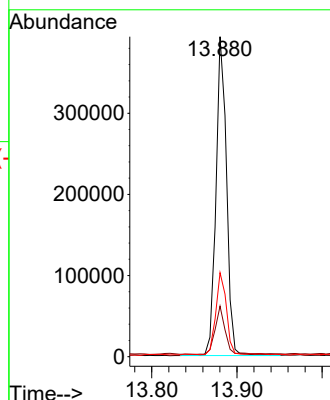
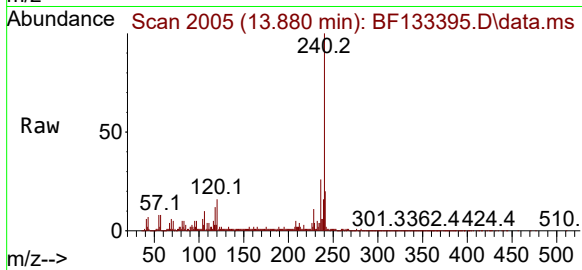
Tgt Ion:240 Resp: 339314

Ion Ratio Lower Upper

240 100

120 15.8 10.5 15.7#

236 26.3 21.5 32.3



#78

Pyrene

Concen: 9.630 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

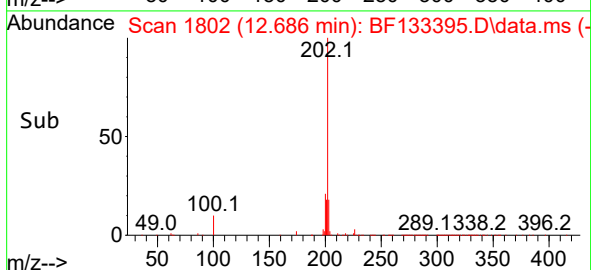
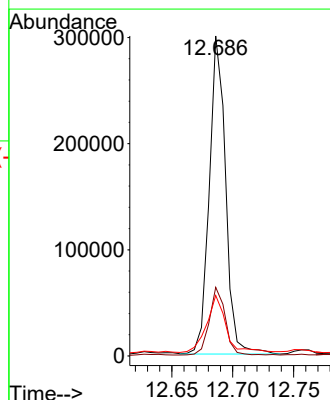
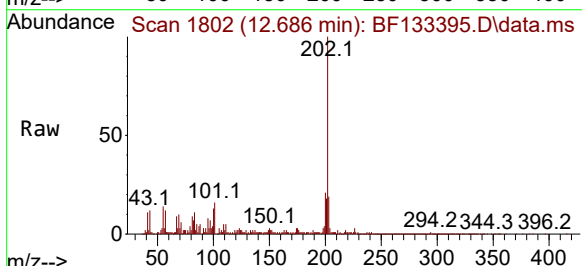
Tgt Ion:202 Resp: 280096

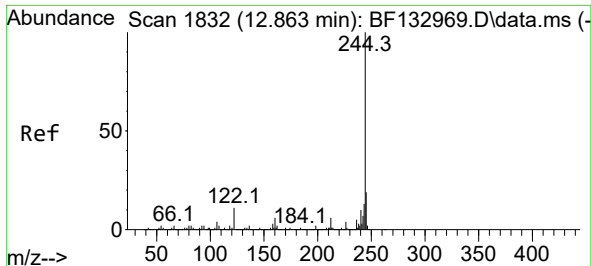
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 18.9 14.1 21.1

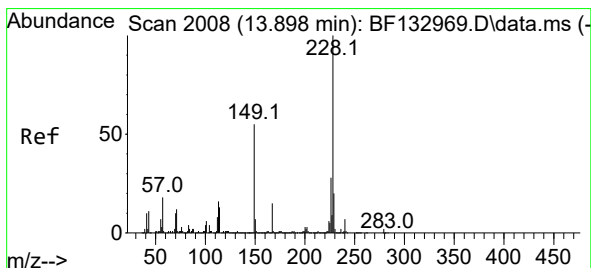
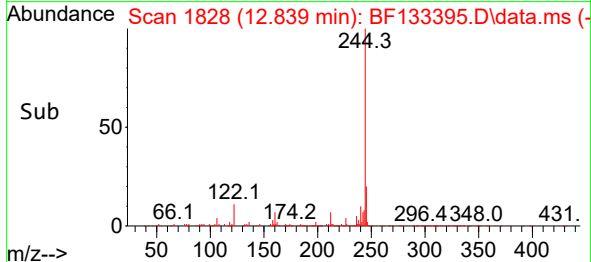
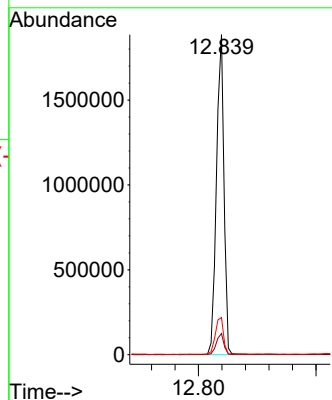
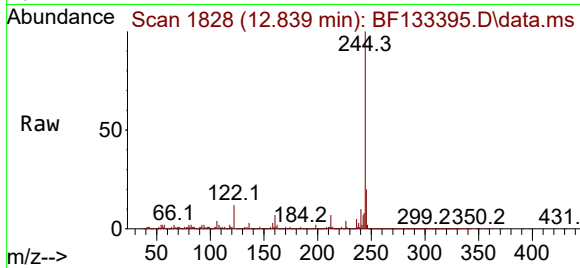




#79
 Terphenyl-d14
 Concen: 84.716 ng
 RT: 12.839 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF133395.D
 Acq: 15 May 2023 21:28

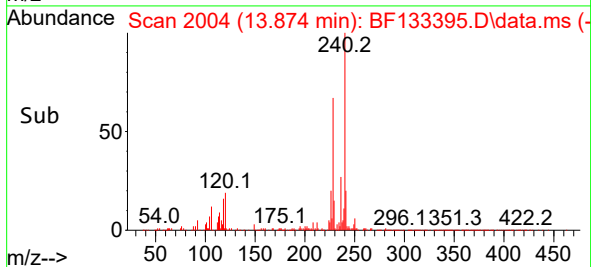
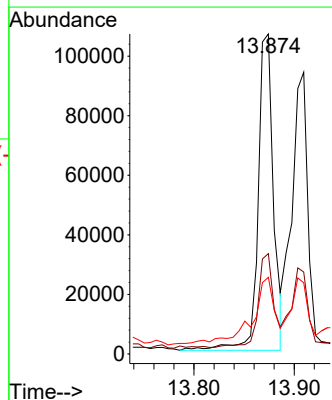
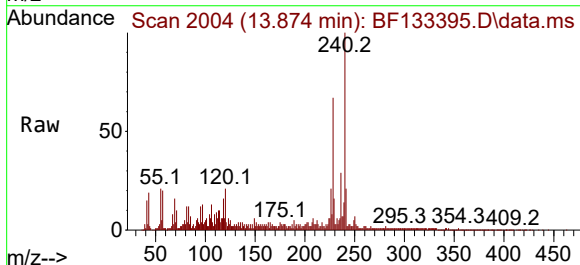
Instrument :
 BNA_F
 ClientSampleId :
 HR-4-051123

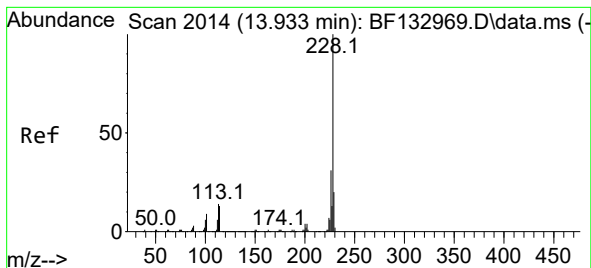
Tgt Ion:244 Resp: 1666714
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.6 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 4.808 ng
 RT: 13.874 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: BF133395.D
 Acq: 15 May 2023 21:28

Tgt Ion:228 Resp: 112190
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.2 33.4
 229 24.0 16.0 24.0





#83

Chrysene

Concen: 4.809 ng

RT: 13.874 min Scan# 2014

Delta R.T. -0.030 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

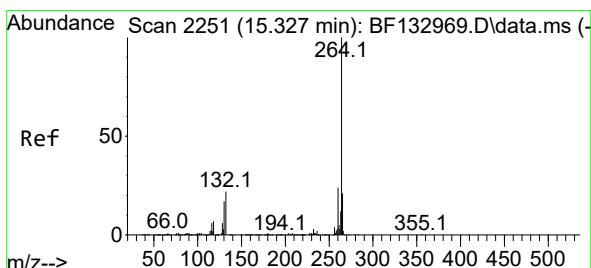
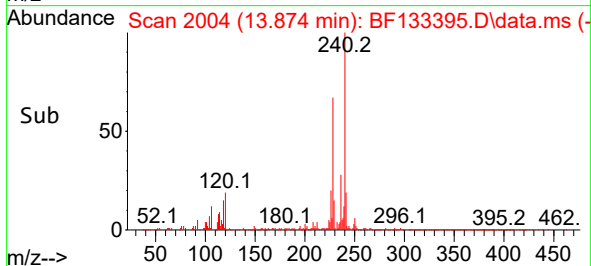
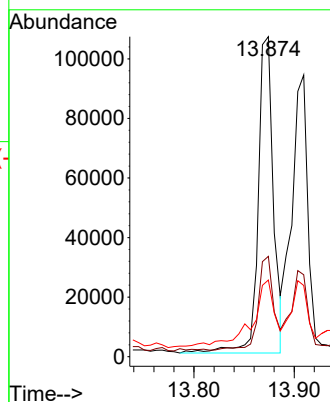
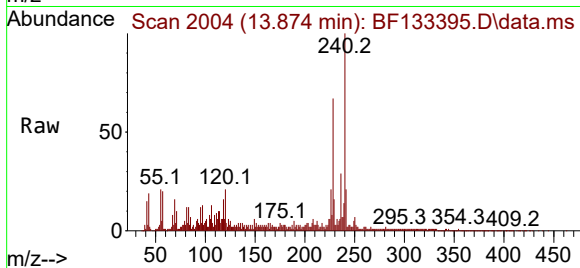
Tgt Ion:228 Resp: 112190

Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

229 24.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.309 min Scan# 2248

Delta R.T. 0.018 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

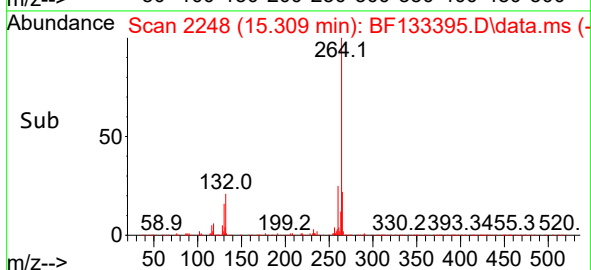
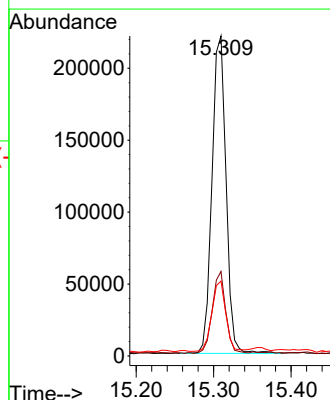
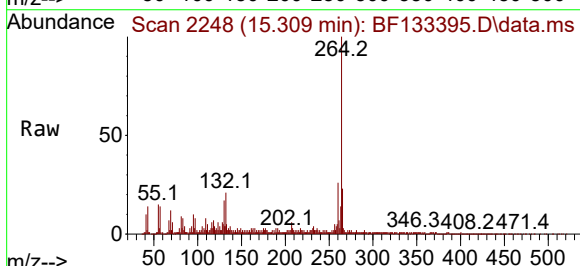
Tgt Ion:264 Resp: 278193

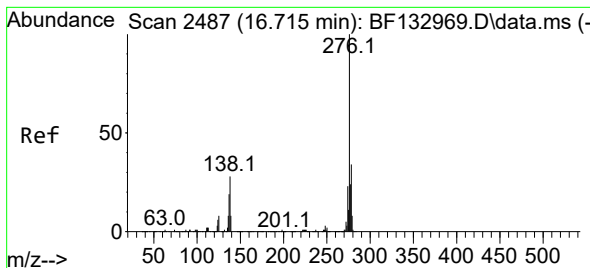
Ion Ratio Lower Upper

264 100

260 26.4 18.8 28.2

265 23.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.111 ng

RT: 16.692 min Scan# 2487

Delta R.T. 0.012 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

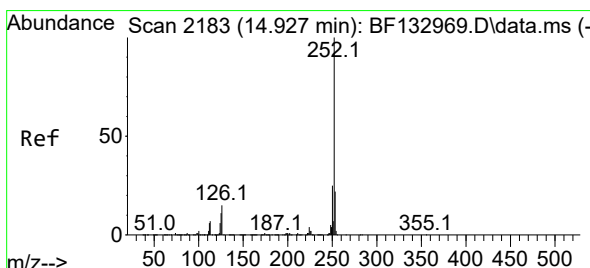
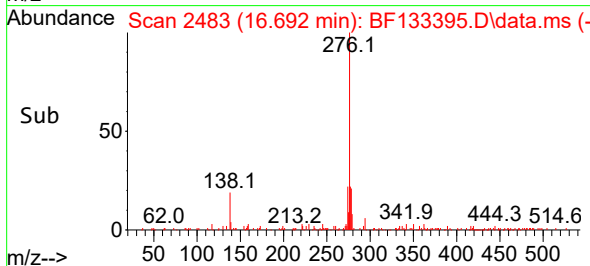
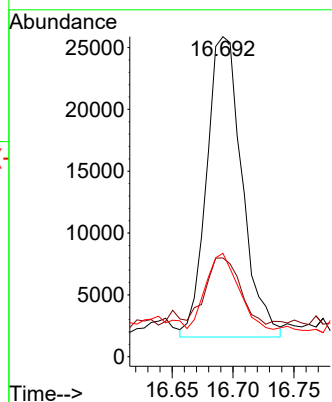
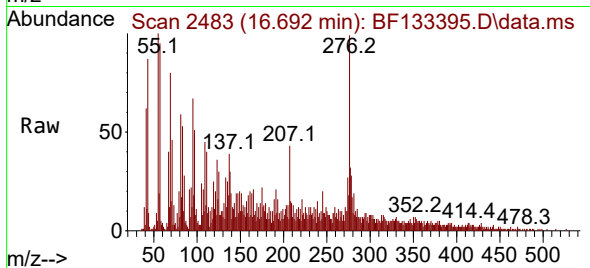
Tgt Ion:276 Resp: 49229

Ion Ratio Lower Upper

276 100

138 20.8 25.5 38.3#

277 23.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 8.307 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

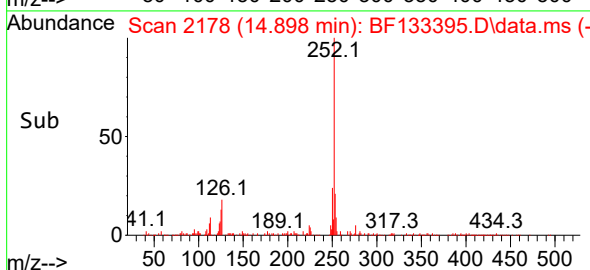
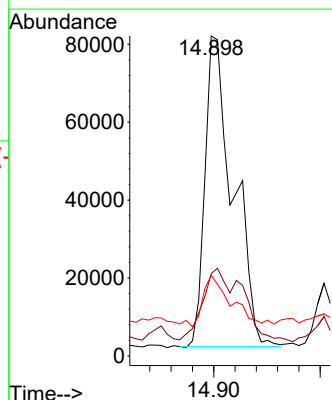
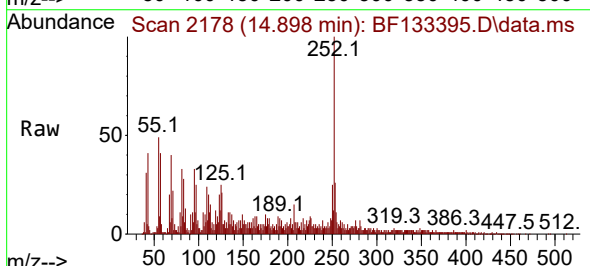
Tgt Ion:252 Resp: 147021

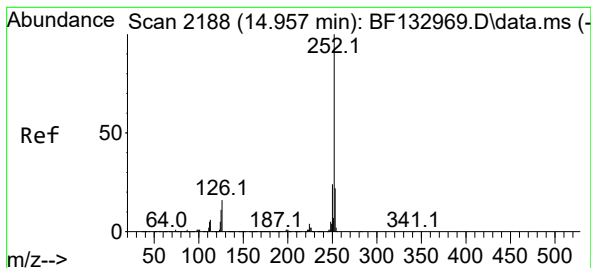
Ion Ratio Lower Upper

252 100

253 25.8 17.6 26.4

125 25.2 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 8.380 ng

RT: 14.898 min Scan# 2188

Delta R.T. -0.024 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

Instrument :

BNA_F

ClientSampleId :

HR-4-051123

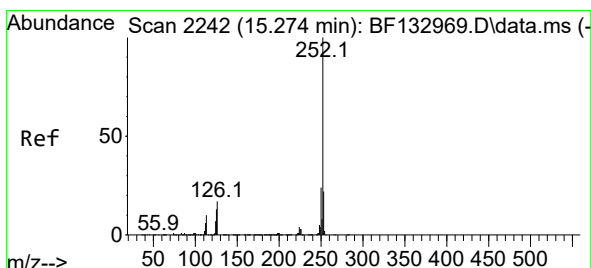
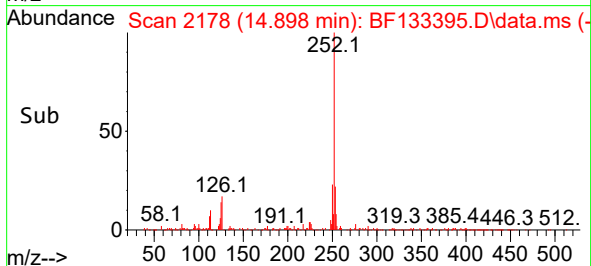
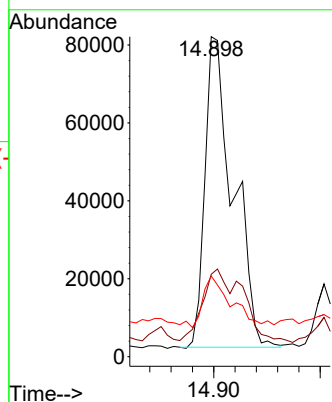
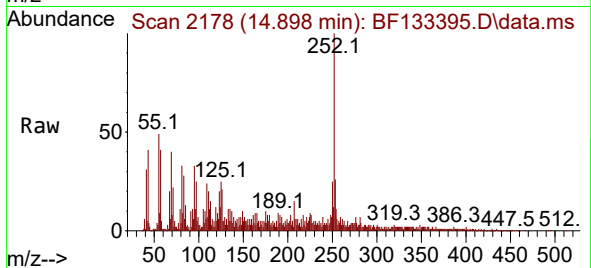
Tgt Ion:252 Resp: 147021

Ion Ratio Lower Upper

252 100

253 25.8 17.7 26.5

125 25.2 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 5.020 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.006 min

Lab File: BF133395.D

Acq: 15 May 2023 21:28

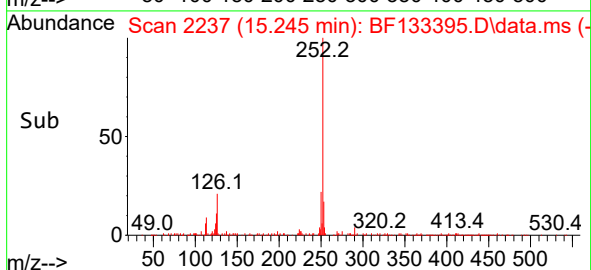
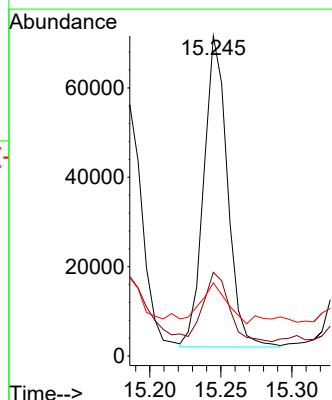
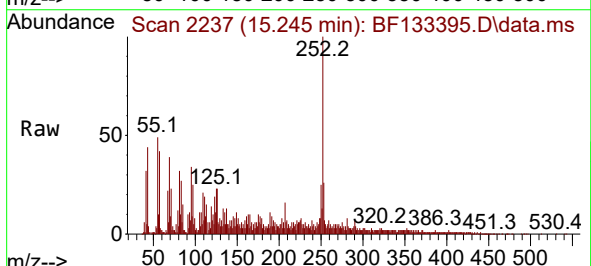
Tgt Ion:252 Resp: 80869

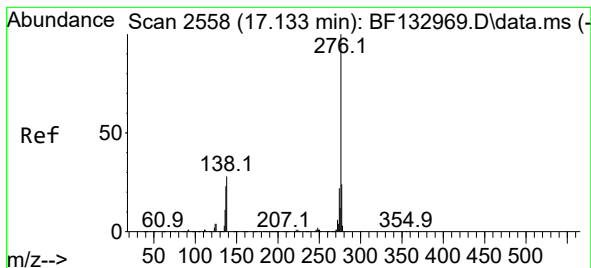
Ion Ratio Lower Upper

252 100

253 26.1 17.7 26.5

125 22.9 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 3.755 ng

RT: 17.109 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133395.D

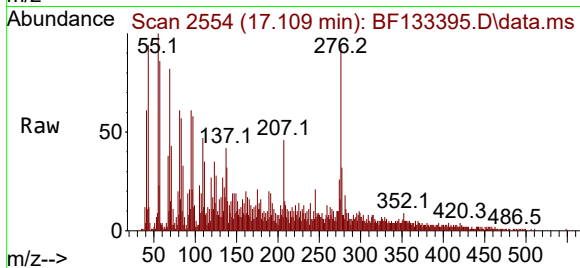
Acq: 15 May 2023 21:28

Instrument :

BNA_F

ClientSampleId :

HR-4-051123



Tgt Ion:276 Resp: 48932

Ion Ratio Lower Upper

276 100

277 34.0 19.4 29.0#

138 34.3 22.7 34.1#

