

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042723\
 Data File : BF133100.D
 Acq On : 27 Apr 2023 15:21
 Operator : CG\JU
 Sample : 02504-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-512-COMP-01

Quant Time: Apr 28 02:07:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 02:00:53 2023
 Response via : Initial Calibration

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

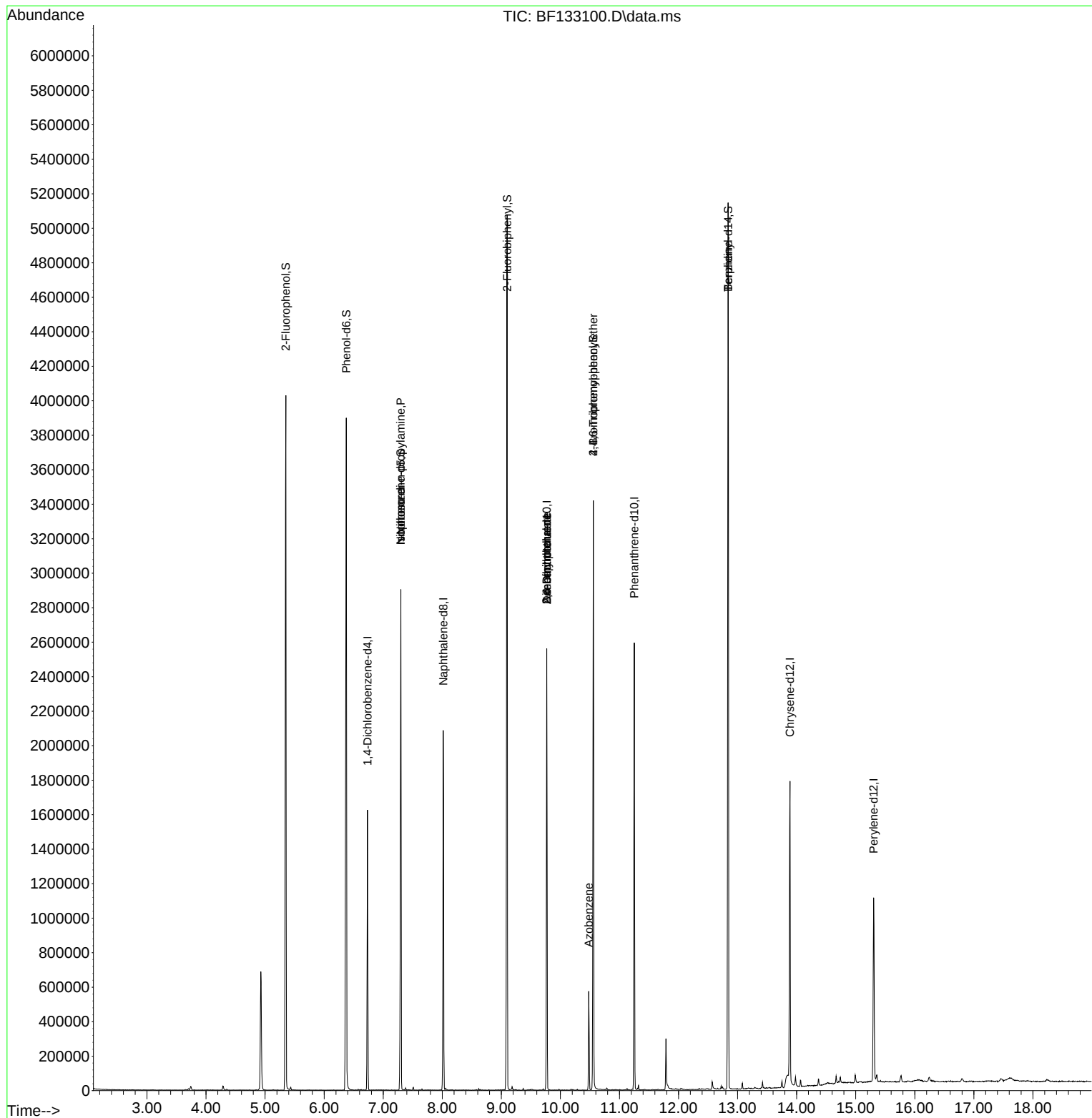
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	217425	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	887293	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	473879	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	868506	20.000	ng	0.00
76) Chrysene-d12	13.886	240	557273	20.000	ng	-0.01
86) Perylene-d12	15.304	264	455142	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1197589	83.205	ng	0.00
7) Phenol-d6	6.375	99	1519045	85.029	ng	0.00
23) Nitrobenzene-d5	7.298	82	891265	54.218	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	434348	91.139	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1646684	58.135	ng	0.00
79) Terphenyl-d14	12.839	244	1949203	60.325	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	91	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.298	70	116820	10.504	ng	# 74
25) Isophorone	7.298	82	889081	28.486	ng	# 63
50) Dimethylphthalate	9.769	163	93260	2.822	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	61217	8.231	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	61217	6.455	ng	# 23
63) Azobenzene	10.481	77	88452	2.675	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	26905	2.856	ng	# 1
77) Benzidine	12.839	184	21044	2.233	ng	# 90

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

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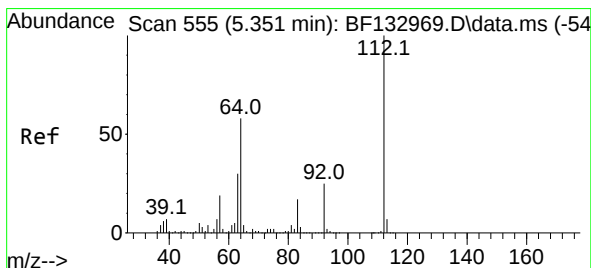
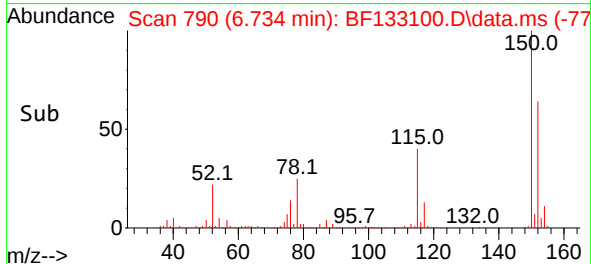
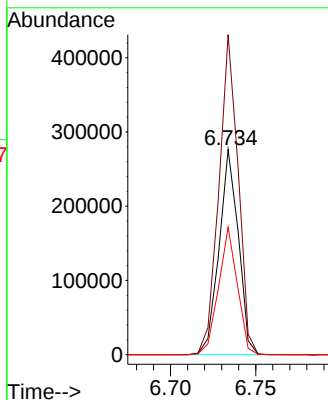
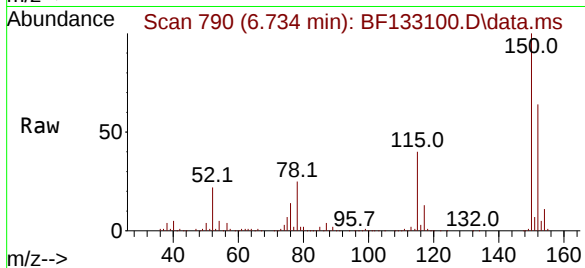




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 793
 Delta R.T. -0.006 min
 Lab File: BF133100.D
 Acq: 27 Apr 2023 15:21

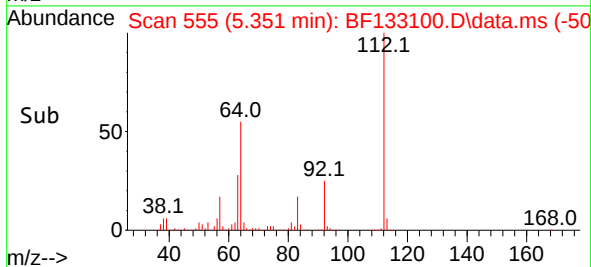
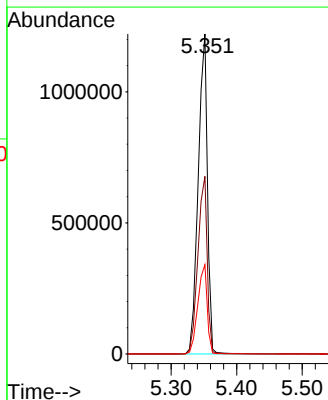
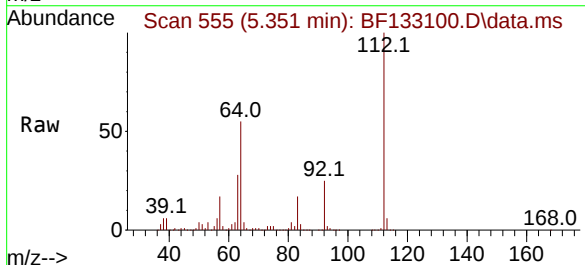
Instrument :
 BNA_F
 ClientSampleId :
 BU-512-COMP-01

Tgt Ion:152 Resp: 217425
 Ion Ratio Lower Upper
 152 100
 150 155.9 124.8 187.2
 115 62.1 49.9 74.9



#5
 2-Fluorophenol
 Concen: 83.205 ng
 RT: 5.351 min Scan# 555
 Delta R.T. 0.006 min
 Lab File: BF133100.D
 Acq: 27 Apr 2023 15:21

Tgt Ion:112 Resp: 1197589
 Ion Ratio Lower Upper
 112 100
 64 55.5 46.8 70.2
 63 27.9 23.8 35.8

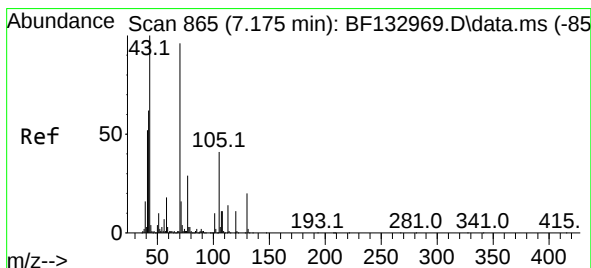
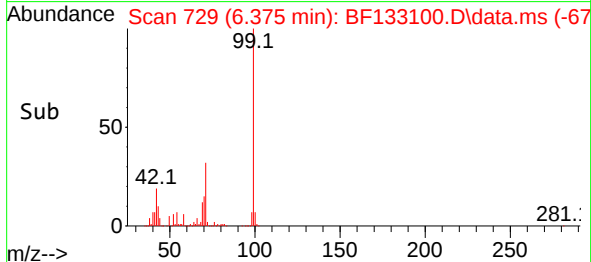
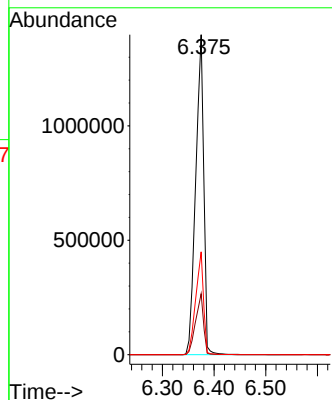
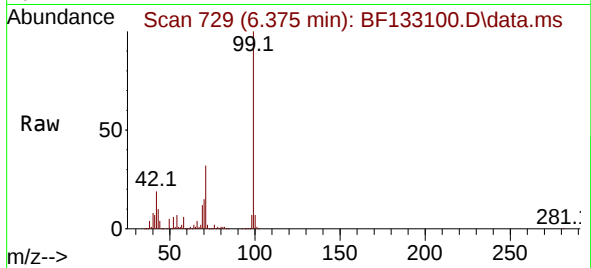




#7
Phenol-d6
Concen: 85.029 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

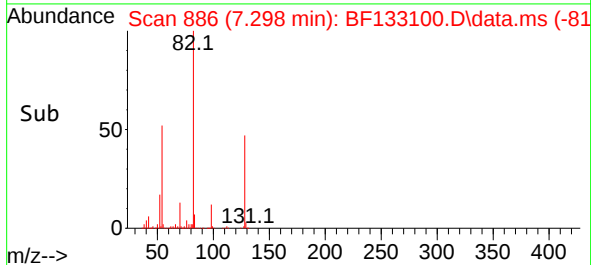
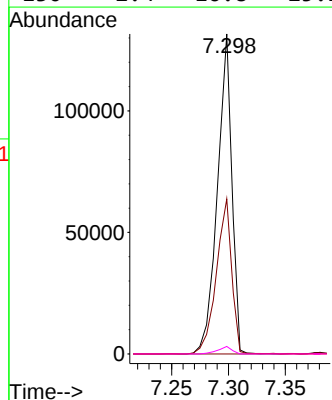
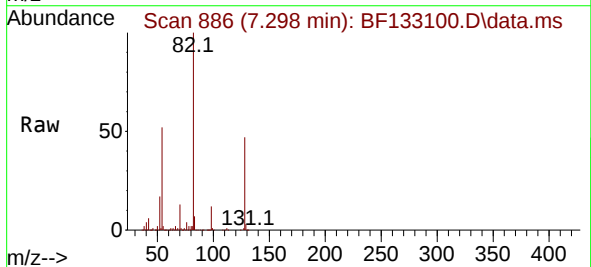
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

Tgt Ion: 99 Resp: 1519045
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.504 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

Tgt Ion: 70 Resp: 116820
Ion Ratio Lower Upper
70 100
42 48.4 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#

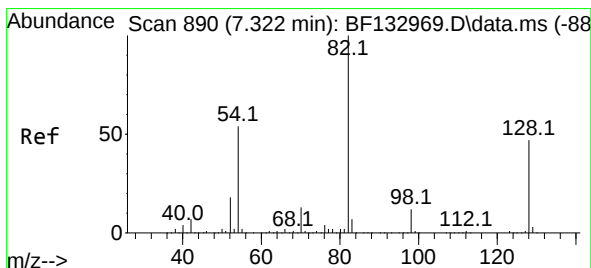
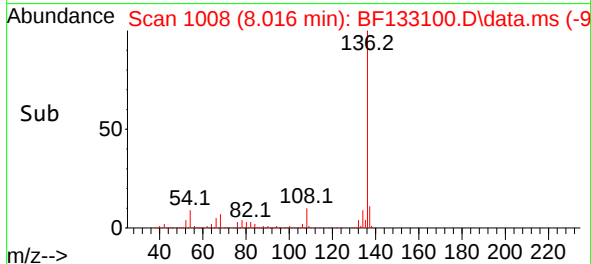
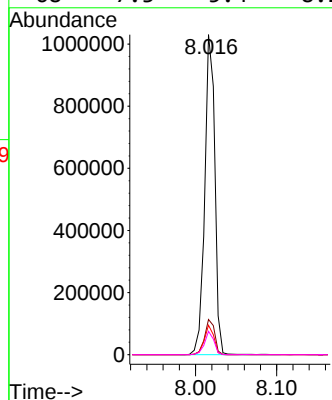
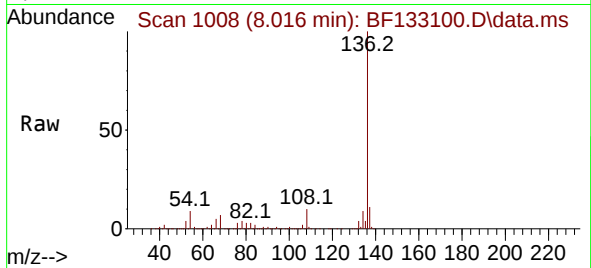




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

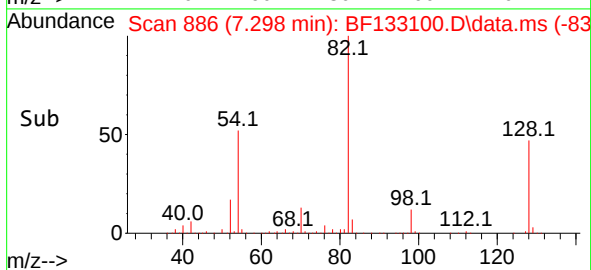
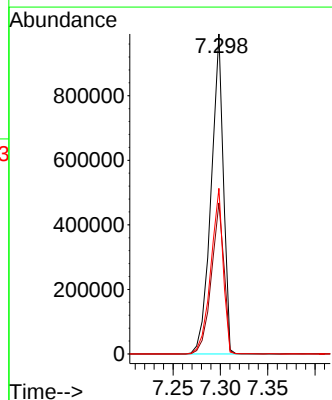
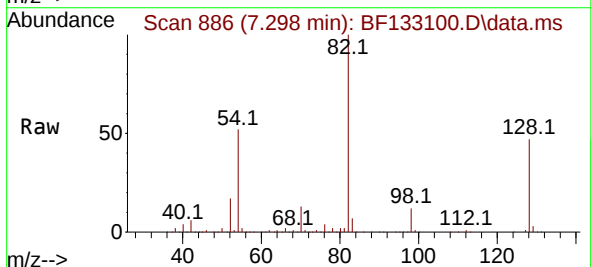
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

Tgt Ion:136 Resp: 887293
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.2 7.0 10.4
68 7.3 5.4 8.2



#23
Nitrobenzene-d5
Concen: 54.218 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

Tgt Ion: 82 Resp: 891265
Ion Ratio Lower Upper
82 100
128 47.2 37.7 56.5
54 51.8 43.0 64.4

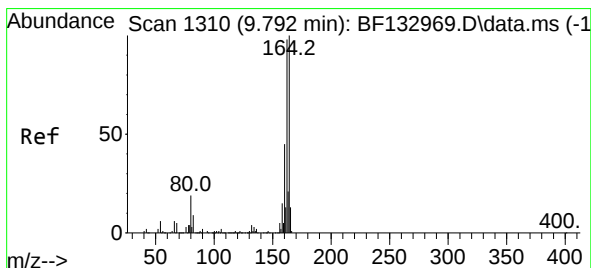
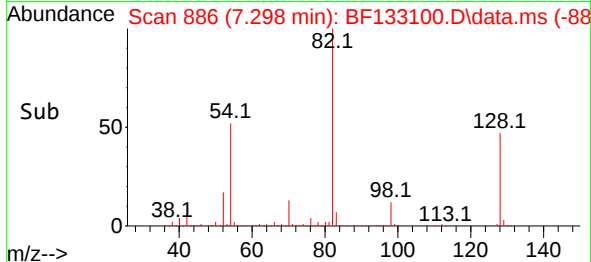
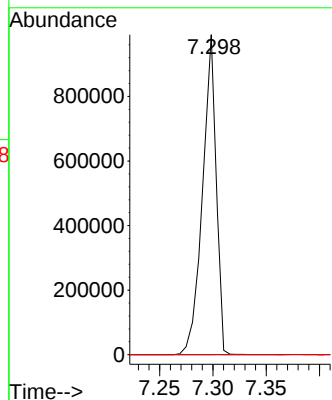
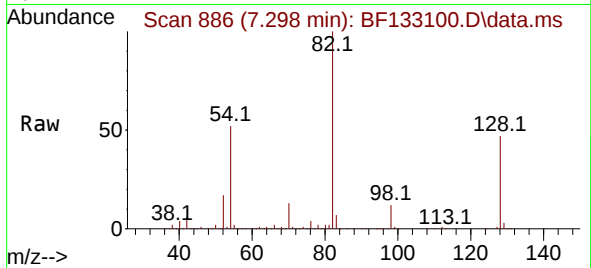




#25
Isophorone
Concen: 28.486 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

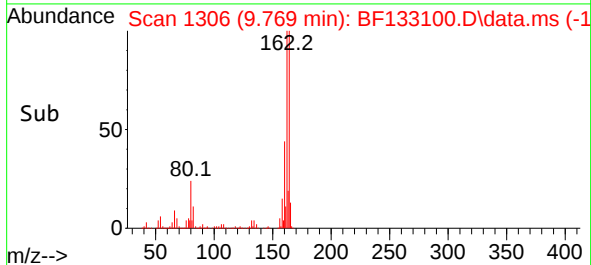
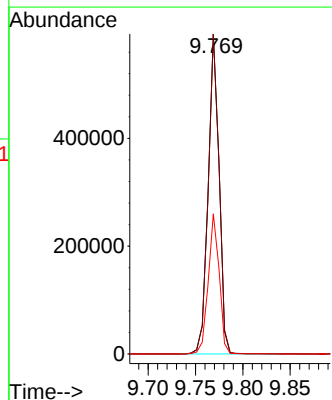
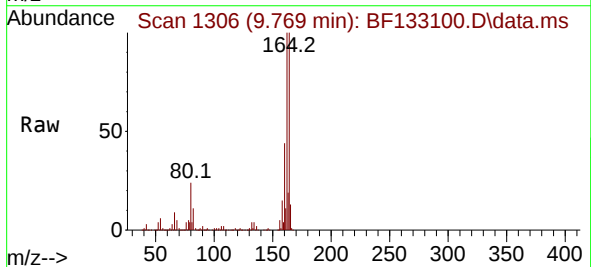
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

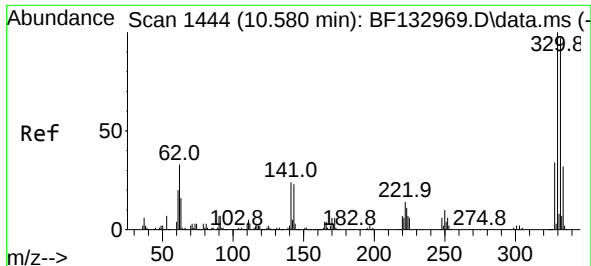
Tgt Ion: 82 Resp: 889081
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

Tgt Ion:164 Resp: 473879
Ion Ratio Lower Upper
164 100
162 100.1 78.7 118.1
160 43.9 35.8 53.6

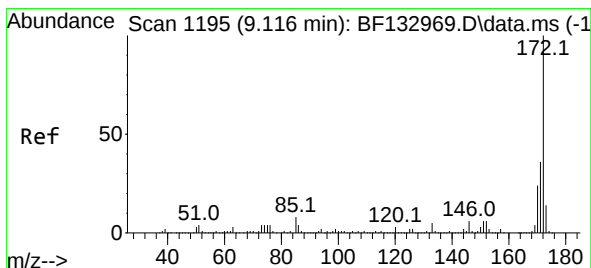
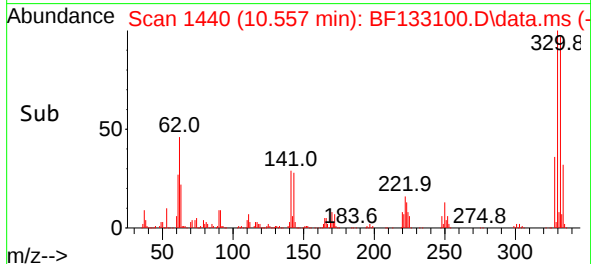
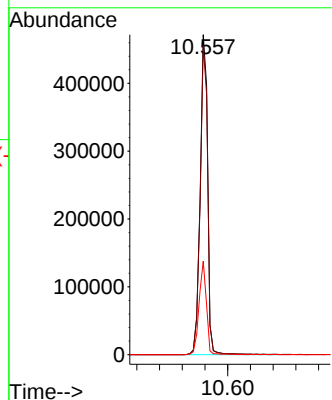
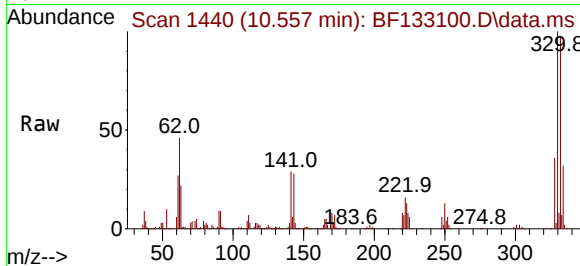




#42
2,4,6-Tribromophenol
Concen: 91.139 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

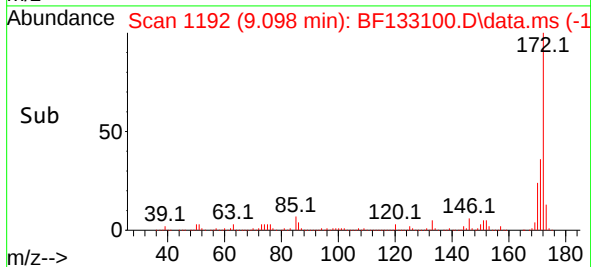
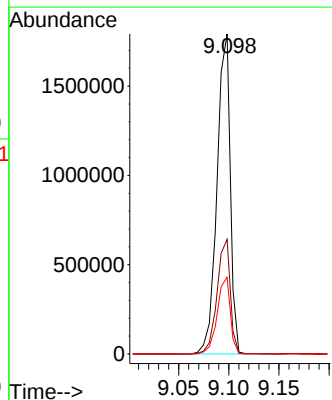
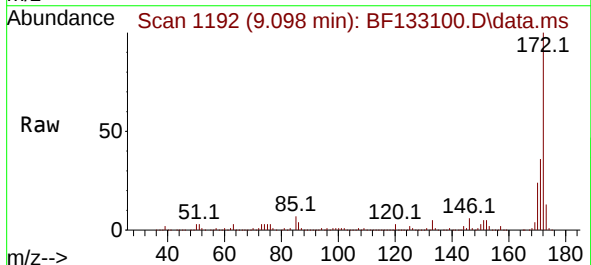
Instrument :
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ClientSampleId :
BU-512-COMP-01

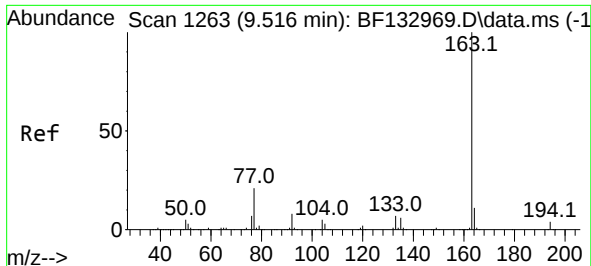
Tgt Ion:330 Resp: 434348
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 28.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 58.135 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

Tgt Ion:172 Resp: 1646684
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.0 19.4 29.2

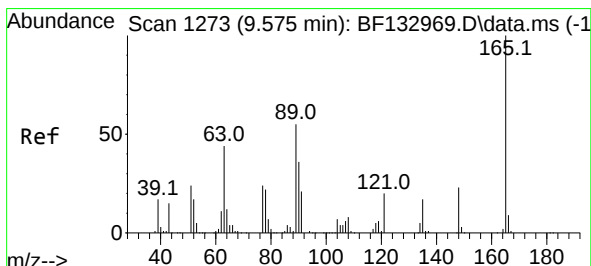
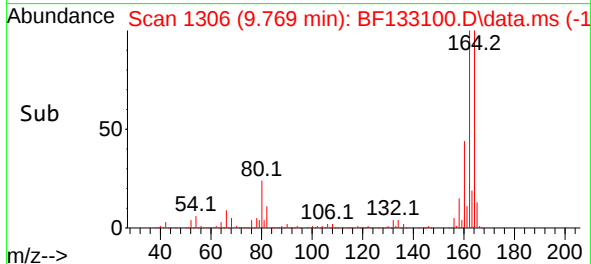
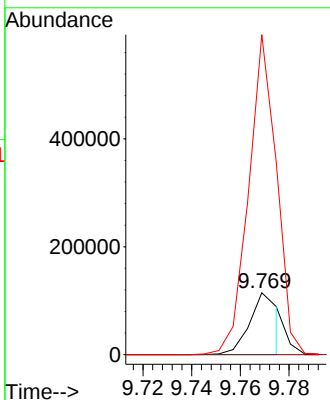
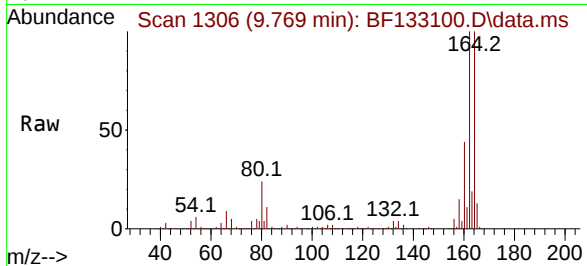




#50
Dimethylphthalate
Concen: 2.822 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.265 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

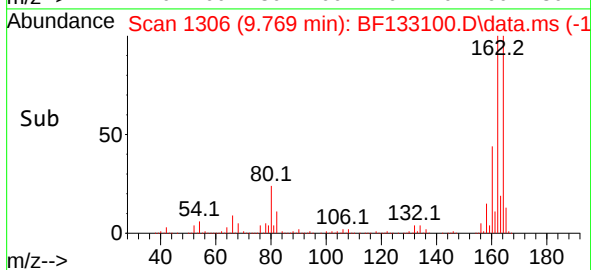
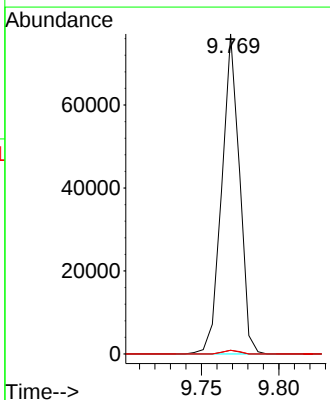
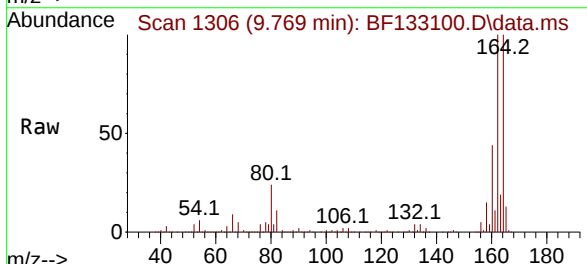
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ClientSampleId :
BU-512-COMP-01

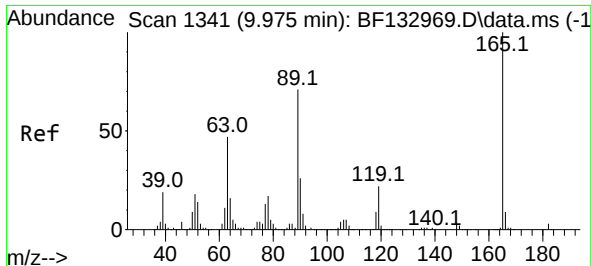
Tgt Ion:163 Resp: 93260
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 517.1 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.231 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.206 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

Tgt Ion:165 Resp: 61217
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.2 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.455 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133100.D

Acq: 27 Apr 2023 15:21

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01

Tgt Ion:165 Resp: 61217

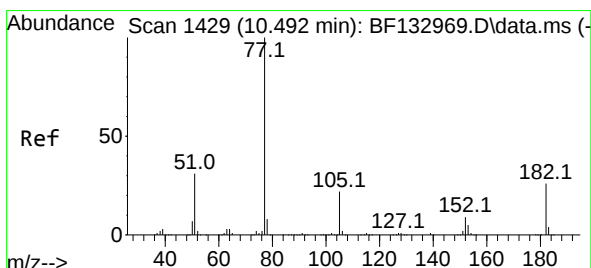
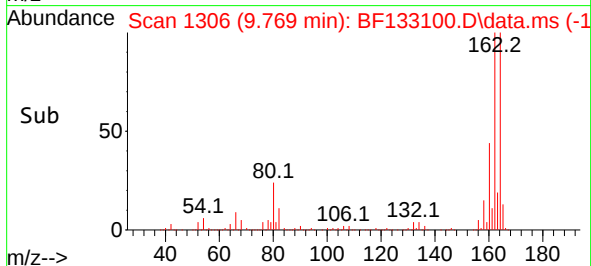
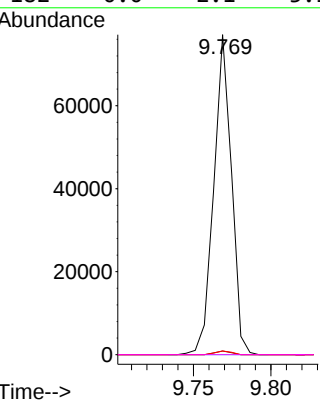
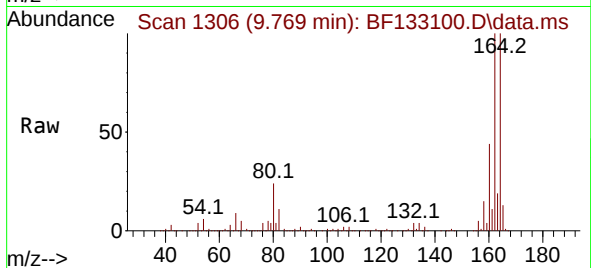
Ion Ratio Lower Upper

165 100

63 1.2 37.7 56.5#

89 1.2 57.0 85.4#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 2.675 ng

RT: 10.481 min Scan# 1427

Delta R.T. 0.006 min

Lab File: BF133100.D

Acq: 27 Apr 2023 15:21

Tgt Ion: 77 Resp: 88452

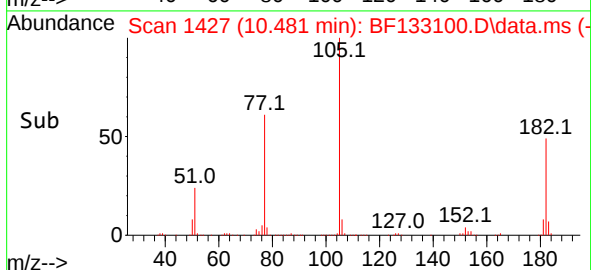
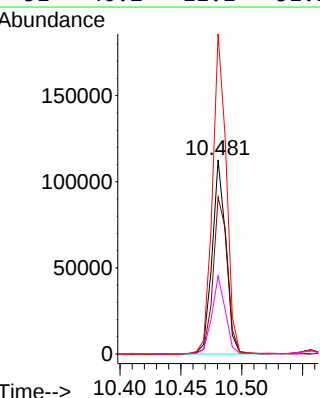
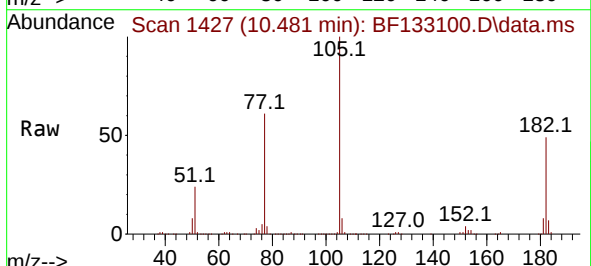
Ion Ratio Lower Upper

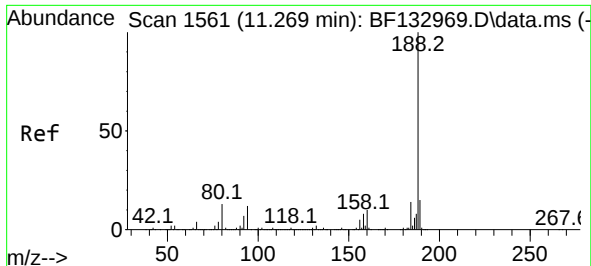
77 100

182 80.8 5.9 45.9#

105 164.9 2.3 42.3#

51 40.2 11.1 51.1

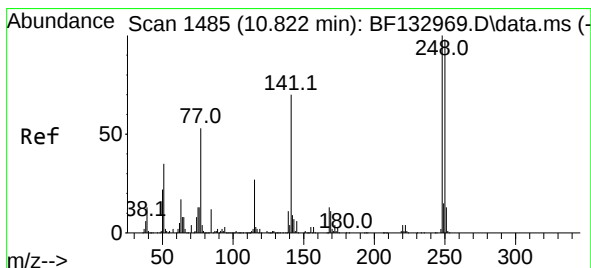
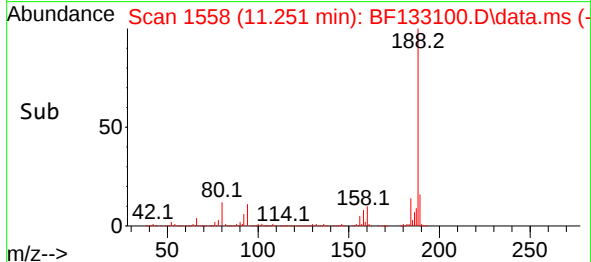
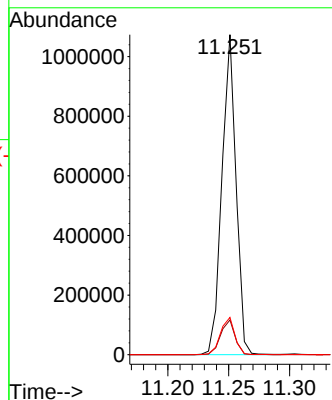
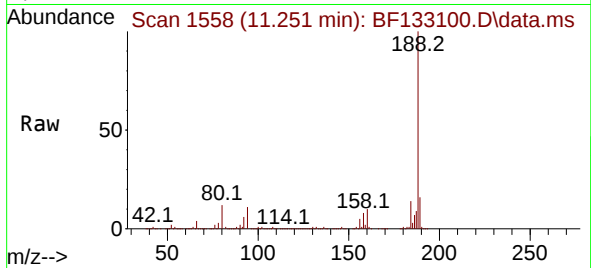




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

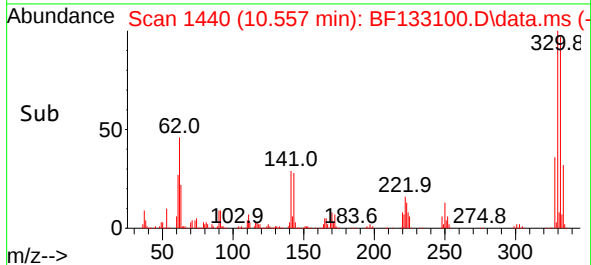
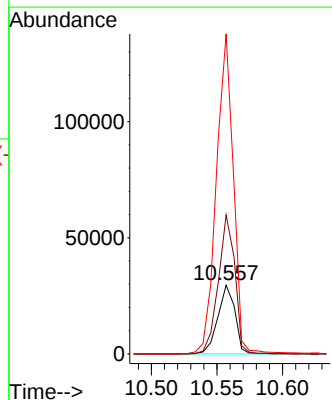
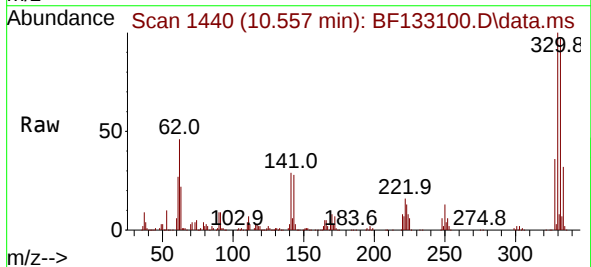
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

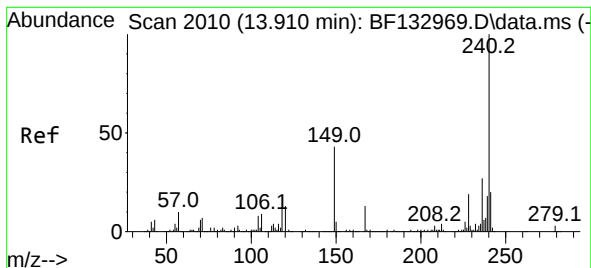
Tgt Ion:188 Resp: 868506
Ion Ratio Lower Upper
188 100
94 10.9 9.7 14.5
80 11.7 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 2.856 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.247 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

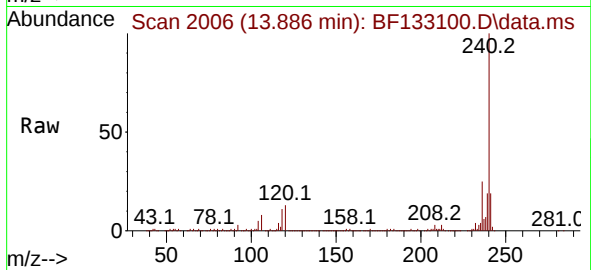
Tgt Ion:248 Resp: 26905
Ion Ratio Lower Upper
248 100
250 201.9 78.7 118.1#
141 465.3 56.3 84.5#



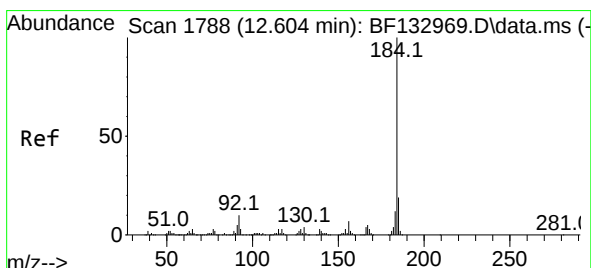
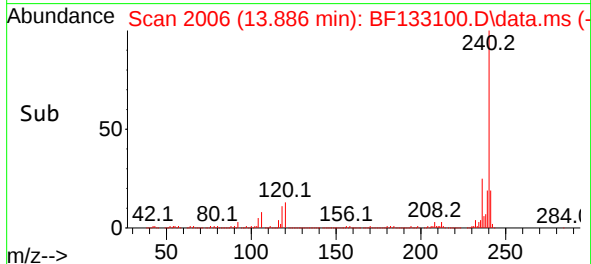
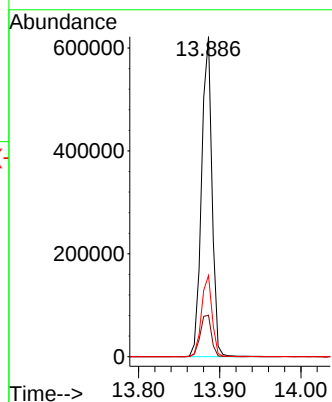


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

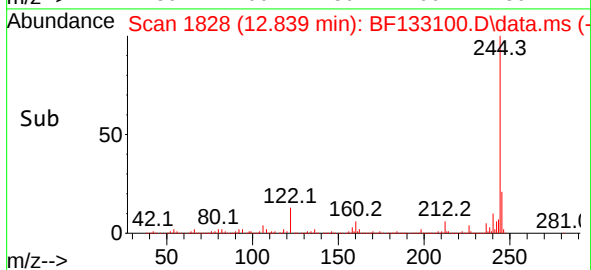
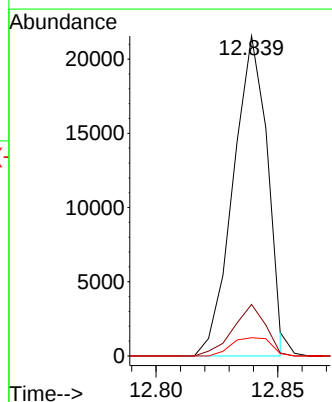
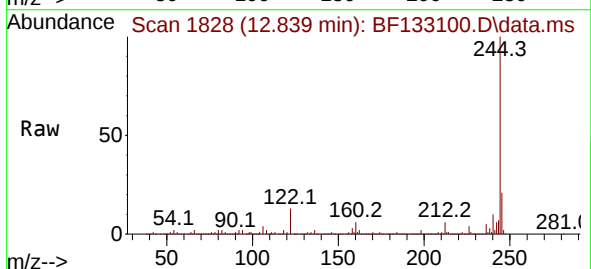


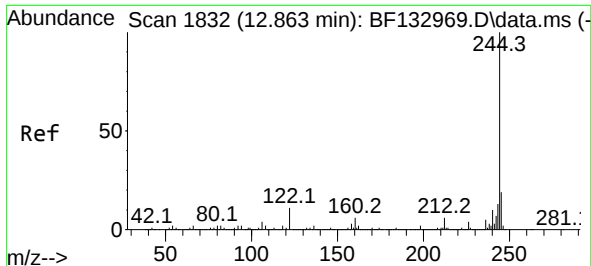
Tgt Ion:240 Resp: 557273
Ion Ratio Lower Upper
240 100
120 12.9 10.5 15.7
236 25.3 21.5 32.3



#77
Benzidine
Concen: 2.233 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.253 min
Lab File: BF133100.D
Acq: 27 Apr 2023 15:21

Tgt Ion:184 Resp: 21044
Ion Ratio Lower Upper
184 100
185 16.1 15.4 23.2
183 5.7 9.4 14.0#

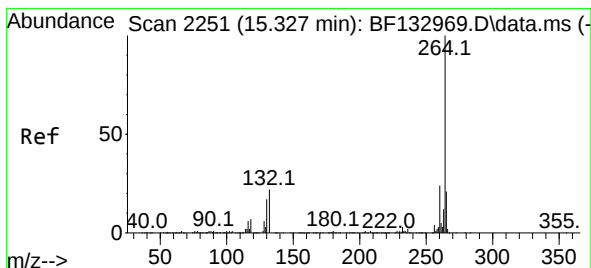
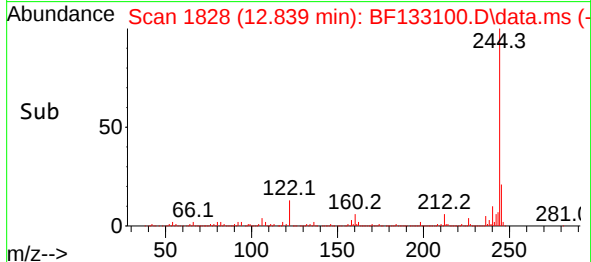
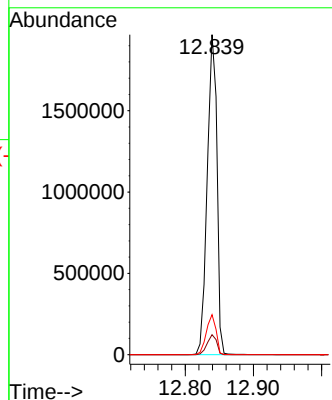
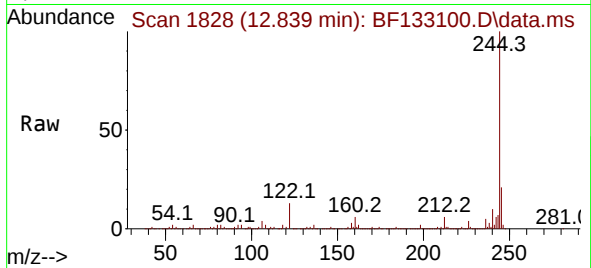




#79
 Terphenyl-d14
 Concen: 60.325 ng
 RT: 12.839 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133100.D
 Acq: 27 Apr 2023 15:21

Instrument :
 BNA_F
 ClientSampleId :
 BU-512-COMP-01

Tgt Ion:244 Resp: 1949203
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.5 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.012 min
 Lab File: BF133100.D
 Acq: 27 Apr 2023 15:21

Tgt Ion:264 Resp: 455142
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.8 28.2
 265 22.1 17.0 25.4

