

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133133.D
 Acq On : 28 Apr 2023 21:25
 Operator : CG\JU
 Sample : 02504-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: May 01 03:08:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 03:03:04 2023
 Response via : Initial Calibration

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

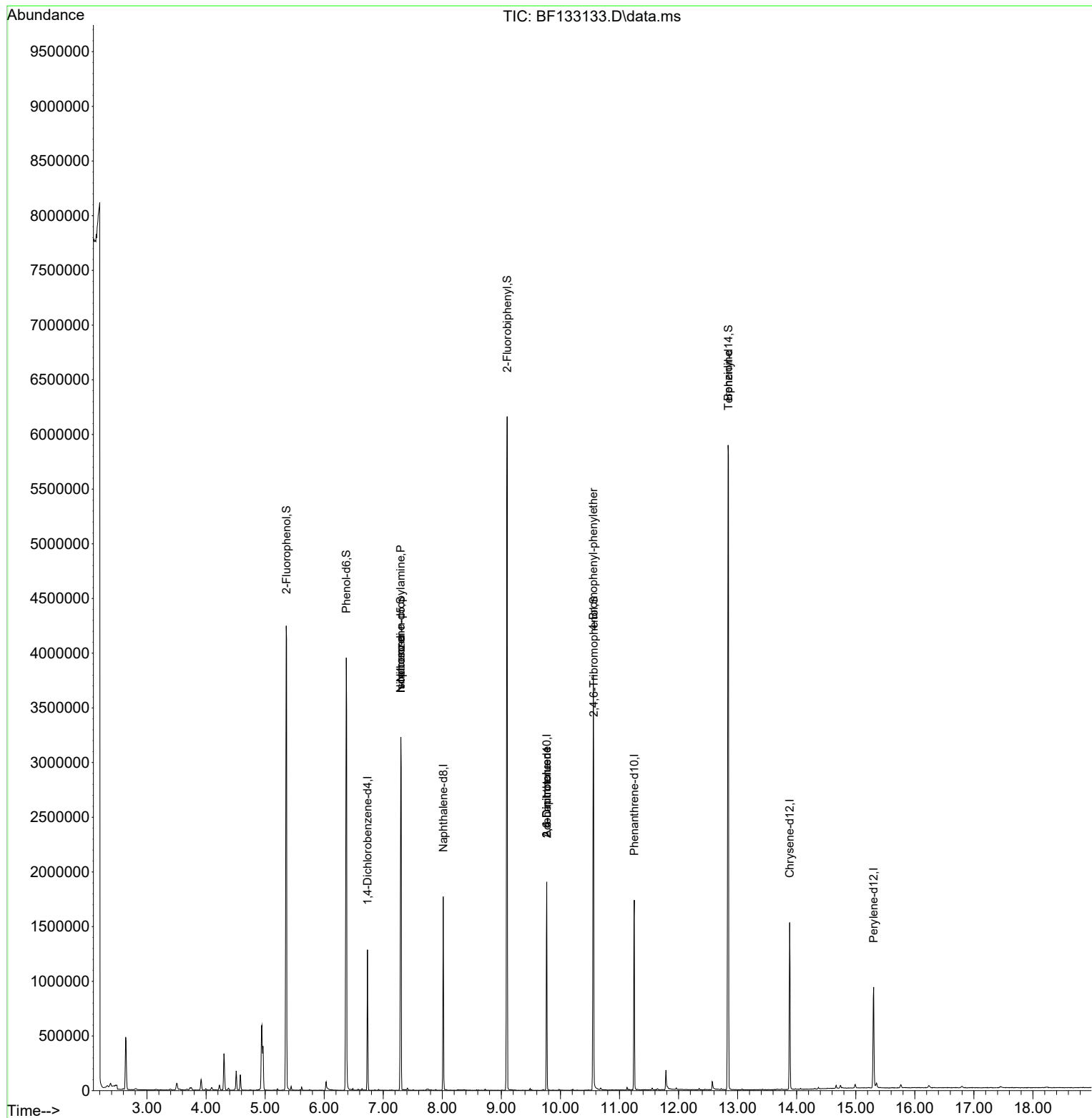
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	166657	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	672032	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	348349	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	633741	20.000	ng	0.00
76) Chrysene-d12	13.880	240	478081	20.000	ng	-0.01
86) Perylene-d12	15.304	264	390063	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1446604	131.123	ng	0.02
7) Phenol-d6	6.375	99	1656812	120.992	ng	0.00
23) Nitrobenzene-d5	7.298	82	1179868	94.766	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	537096	153.311	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1992799	95.707	ng	0.00
79) Terphenyl-d14	12.845	244	2524778	91.081	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.287	77	361	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.298	70	154908	18.171	ng	# 76
25) Isophorone	7.298	82	1180043	49.919	ng	# 63
51) 2,6-Dinitrotoluene	9.769	165	45562	8.334	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	45562	6.535	ng	# 23
67) 4-Bromophenyl-phenylether	10.557	248	32153	4.678	ng	# 1
77) Benzydine	12.839	184	28278	3.498	ng	# 96

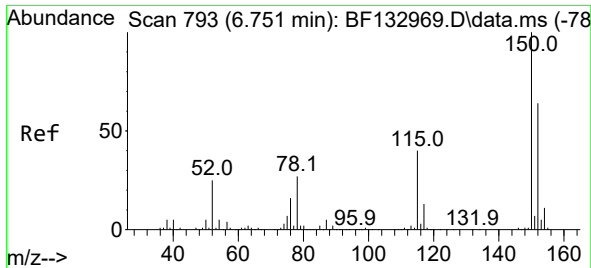
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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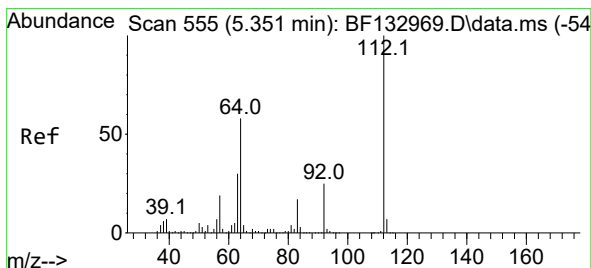
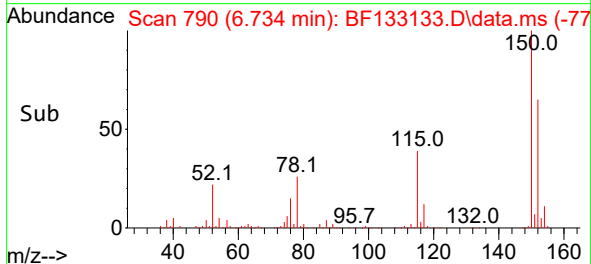
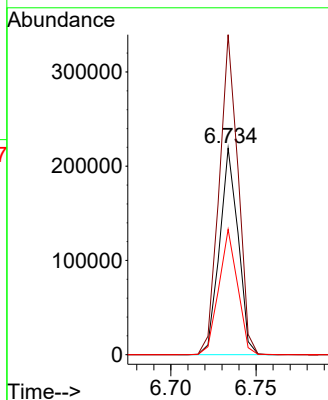
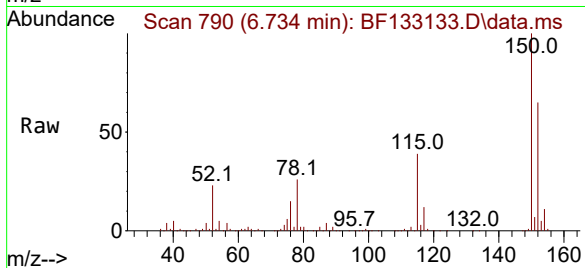




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 793
 Delta R.T. -0.005 min
 Lab File: BF133133.D
 Acq: 28 Apr 2023 21:25

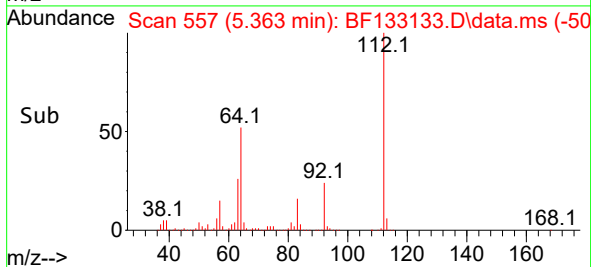
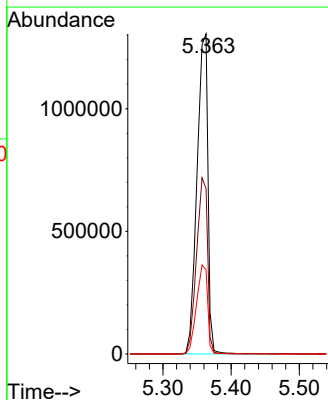
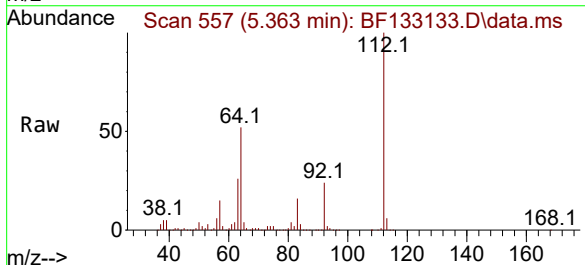
Instrument :
 BNA_F
 ClientSampleId :
 BU-512-COMP-01

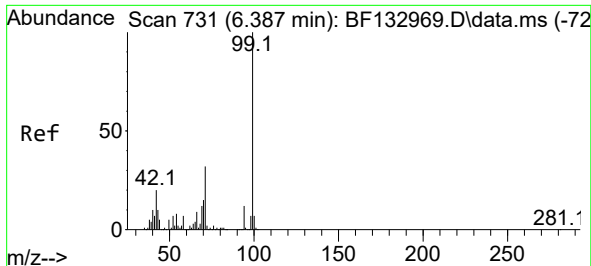
Tgt Ion:152 Resp: 166657
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.8 187.2
 115 60.6 49.9 74.9



#5
 2-Fluorophenol
 Concen: 131.123 ng
 RT: 5.363 min Scan# 557
 Delta R.T. 0.024 min
 Lab File: BF133133.D
 Acq: 28 Apr 2023 21:25

Tgt Ion:112 Resp: 1446604
 Ion Ratio Lower Upper
 112 100
 64 51.7 46.8 70.2
 63 26.3 23.8 35.8

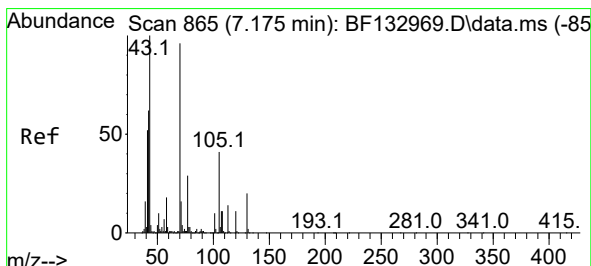
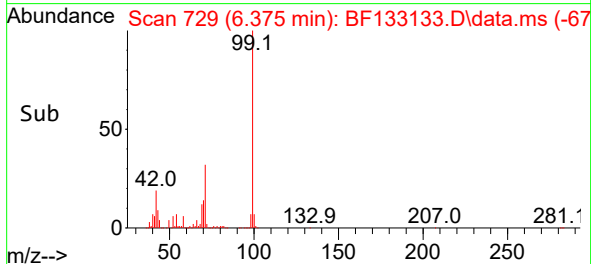
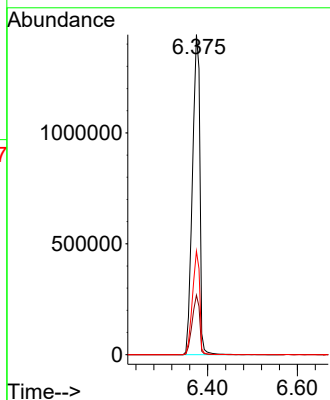
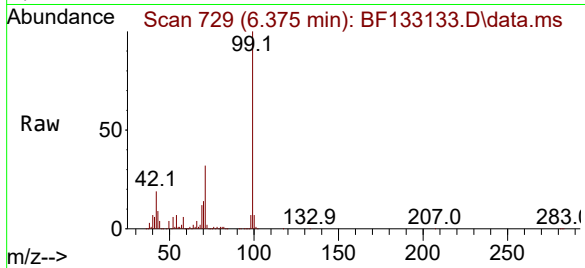




#7
Phenol-d6
Concen: 120.992 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

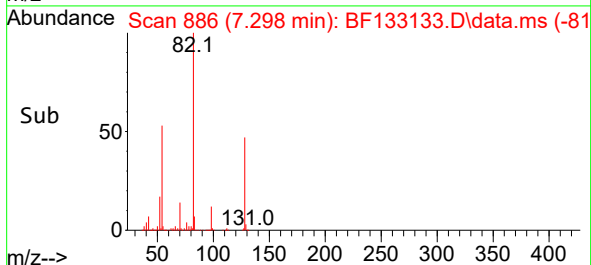
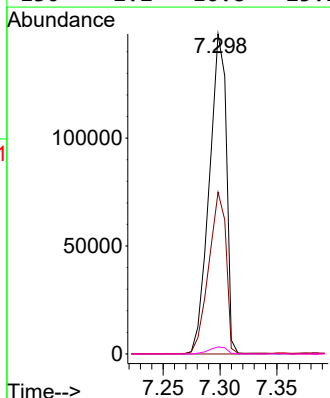
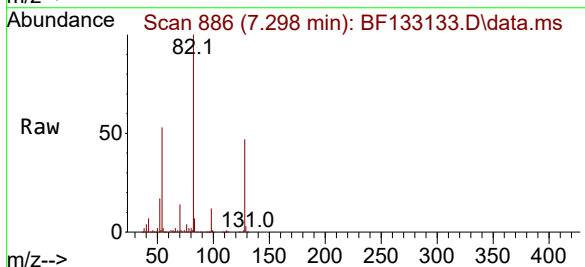
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

Tgt Ion: 99 Resp: 1656812
Ion Ratio Lower Upper
99 100
42 18.6 16.3 24.5
71 32.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.171 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

Tgt Ion: 70 Resp: 154908
Ion Ratio Lower Upper
70 100
42 50.6 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

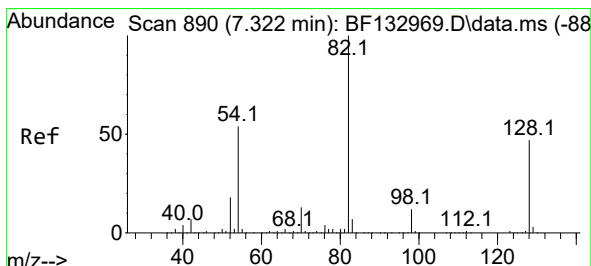
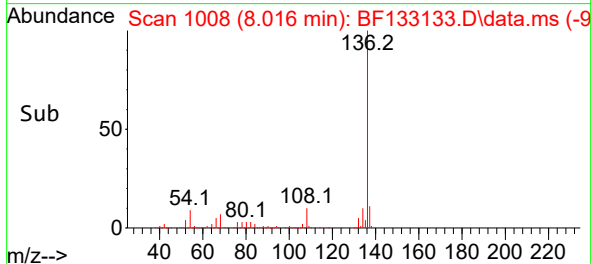
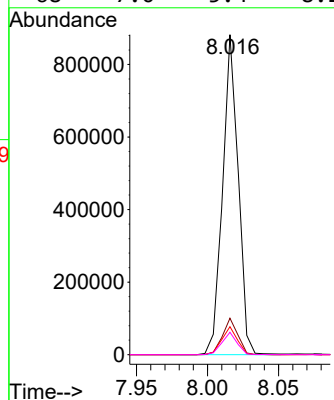
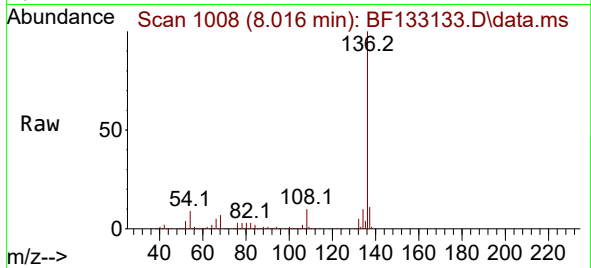




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

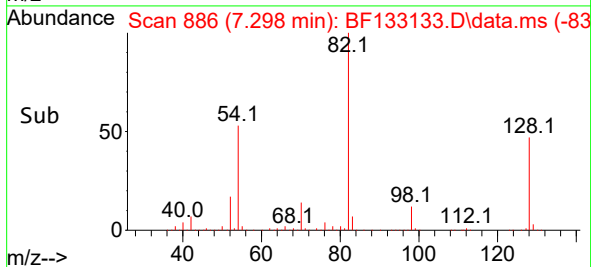
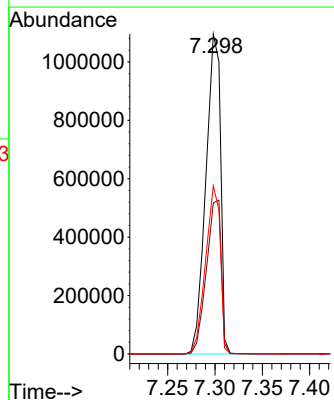
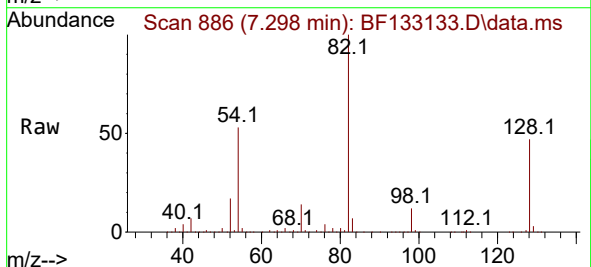
Instrument :
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ClientSampleId :
BU-512-COMP-01

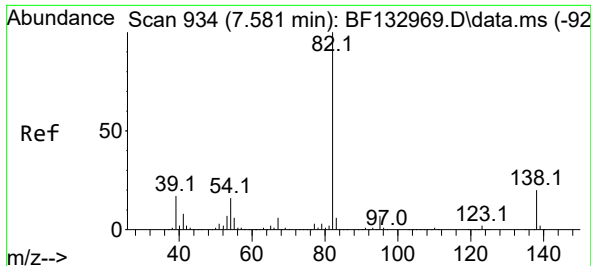
Tgt Ion:136 Resp: 672032
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.7 7.0 10.4
68 7.0 5.4 8.2



#23
Nitrobenzene-d5
Concen: 94.766 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

Tgt Ion: 82 Resp: 1179868
Ion Ratio Lower Upper
82 100
128 47.2 37.7 56.5
54 52.6 43.0 64.4

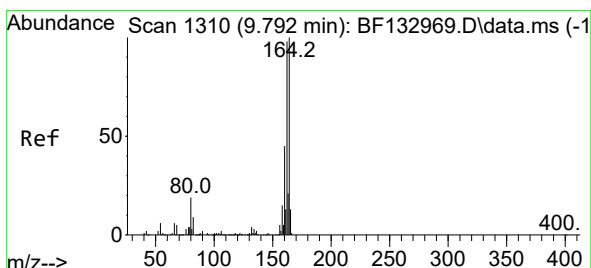
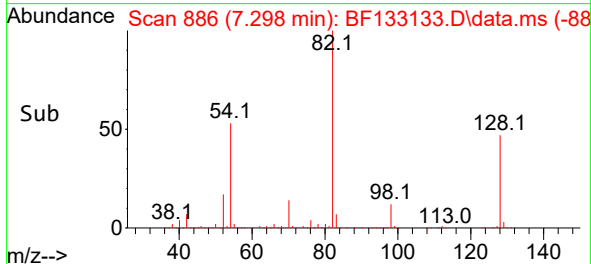
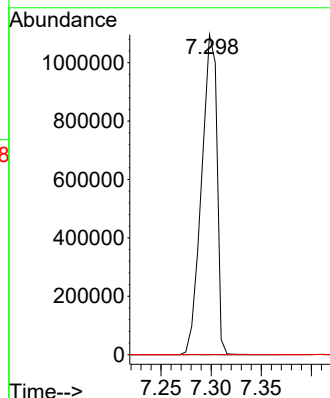
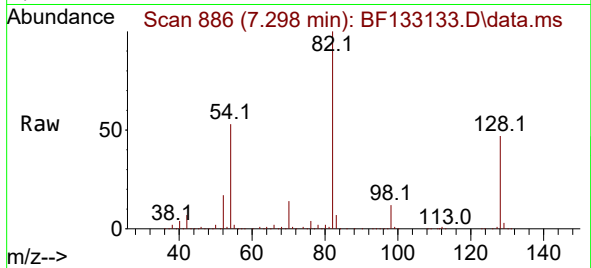




#25
Isophorone
Concen: 49.919 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

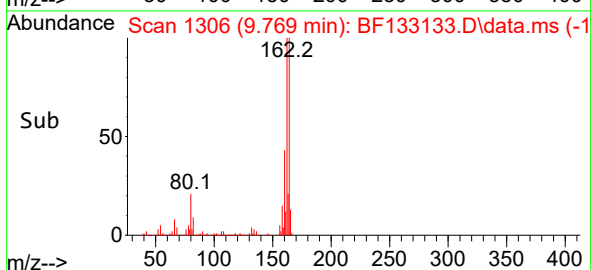
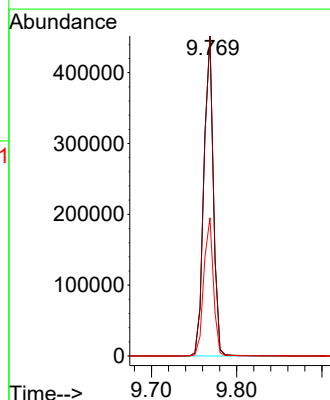
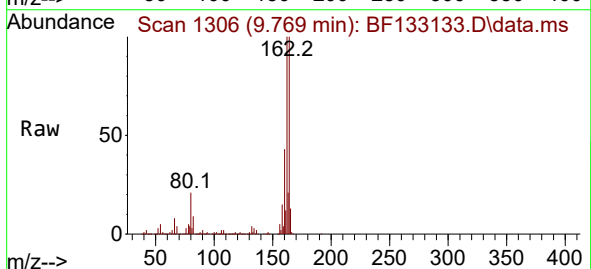
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

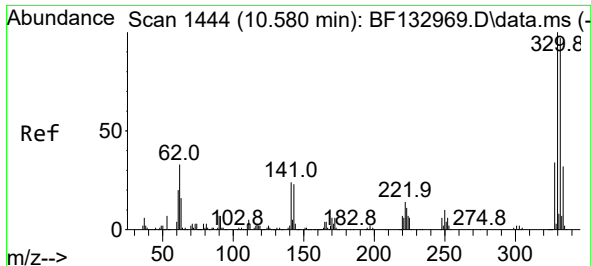
Tgt Ion: 82 Resp: 1180043
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

Tgt Ion:164 Resp: 348349
Ion Ratio Lower Upper
164 100
162 100.3 78.7 118.1
160 43.2 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 153.311 ng

RT: 10.563 min Scan# 1441

Delta R.T. 0.000 min

Lab File: BF133133.D

Acq: 28 Apr 2023 21:25

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01

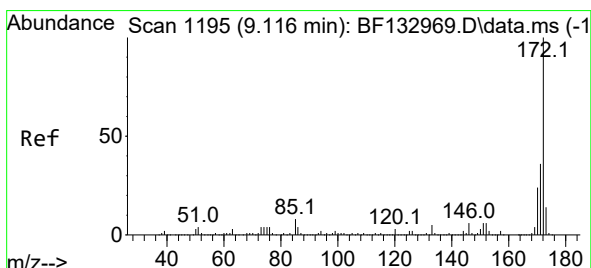
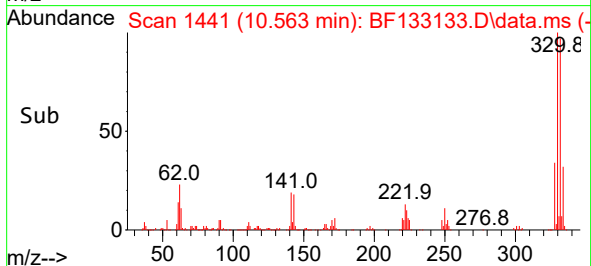
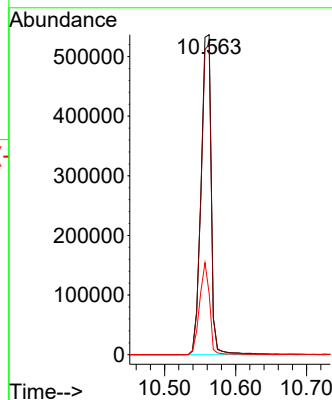
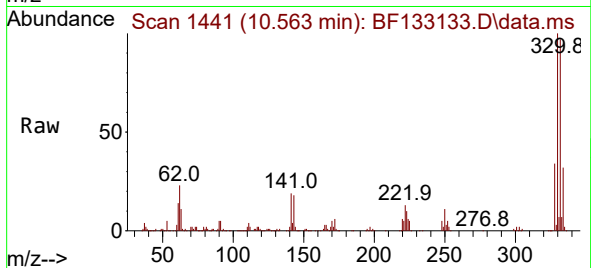
Tgt Ion:330 Resp: 537096

Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

141 28.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 95.707 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF133133.D

Acq: 28 Apr 2023 21:25

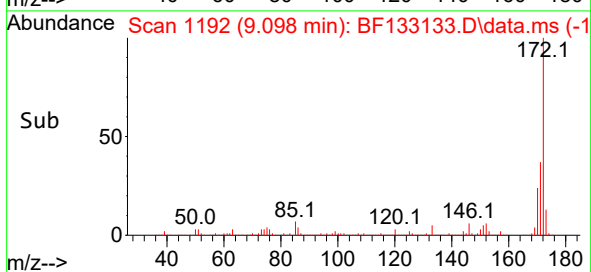
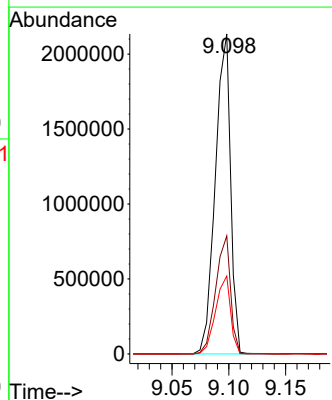
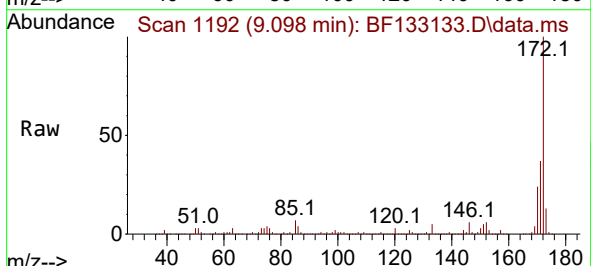
Tgt Ion:172 Resp: 1992799

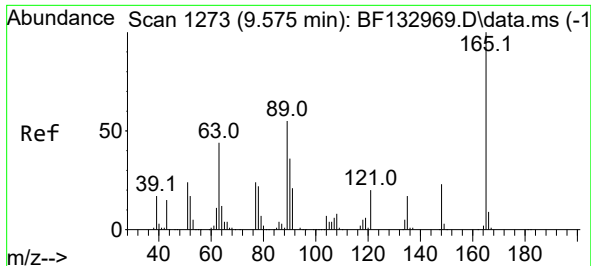
Ion Ratio Lower Upper

172 100

171 36.9 28.8 43.2

170 24.3 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.334 ng

RT: 9.769 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133133.D

Acq: 28 Apr 2023 21:25

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01

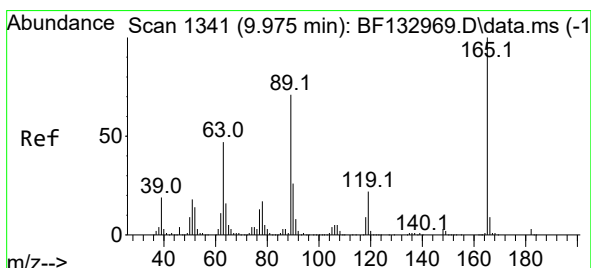
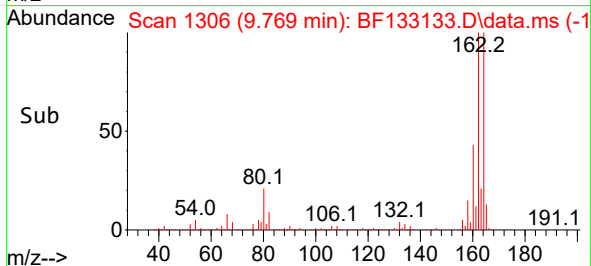
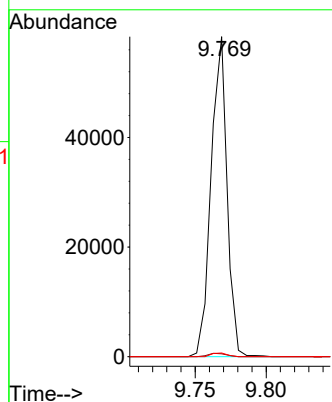
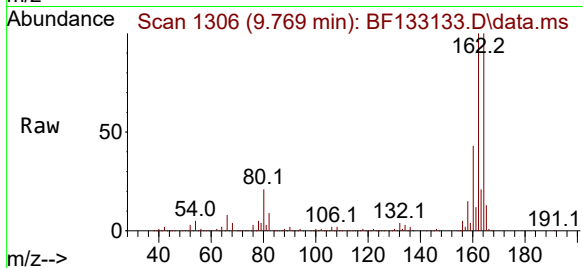
Tgt Ion:165 Resp: 45562

Ion Ratio Lower Upper

165 100

63 0.9 45.9 68.9#

89 1.1 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.535 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.194 min

Lab File: BF133133.D

Acq: 28 Apr 2023 21:25

Tgt Ion:165 Resp: 45562

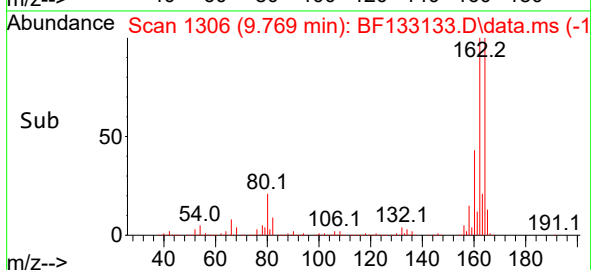
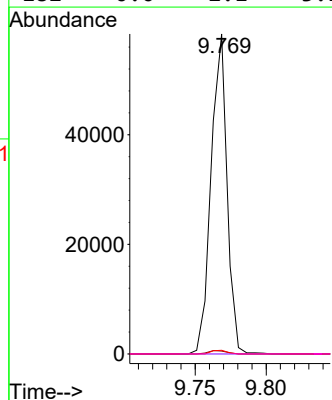
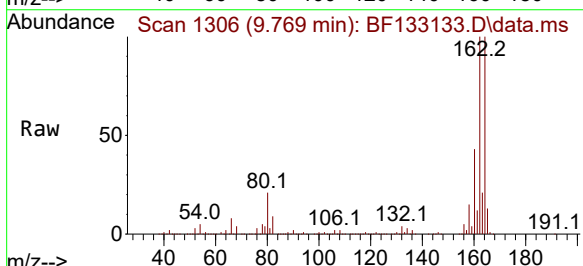
Ion Ratio Lower Upper

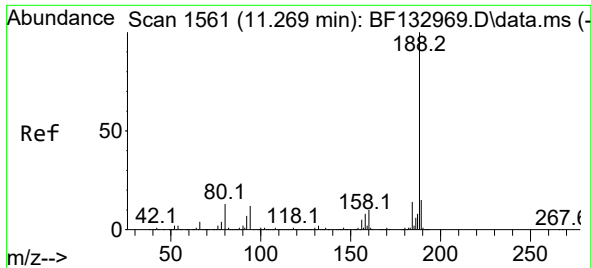
165 100

63 0.9 37.7 56.5#

89 1.1 57.0 85.4#

182 0.0 2.1 3.1#

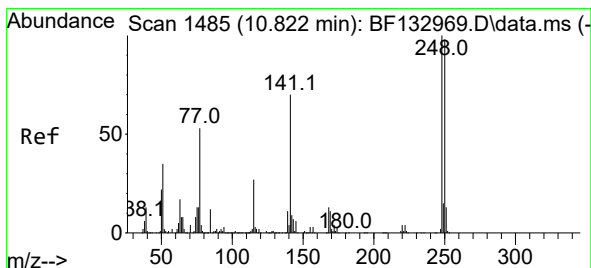
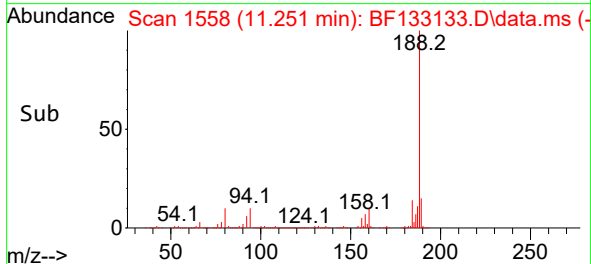
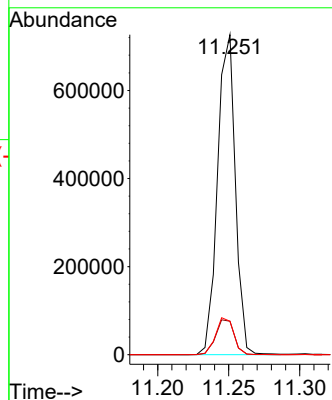
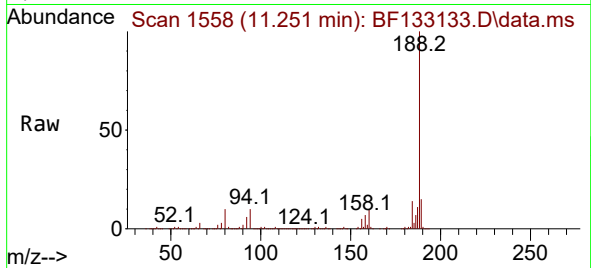




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

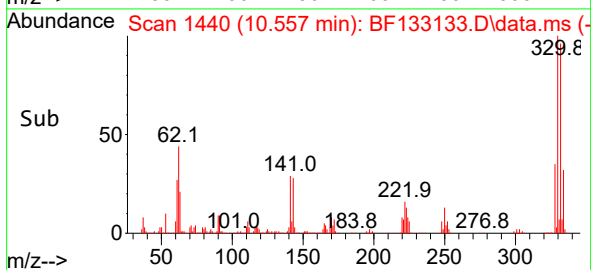
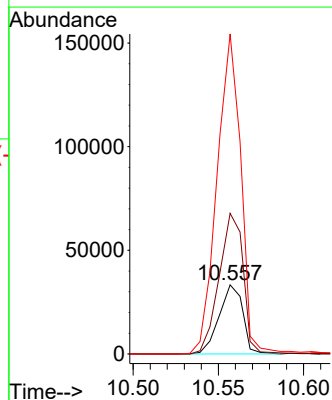
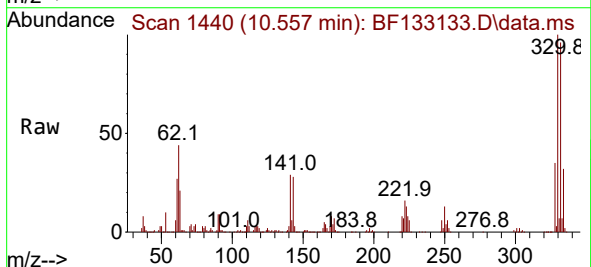
Instrument :
BNA_F
ClientSampleId :
BU-512-COMP-01

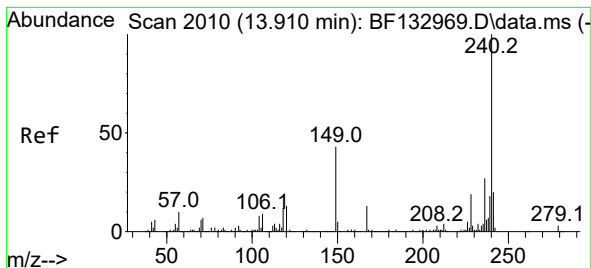
Tgt Ion:188 Resp: 633741
Ion Ratio Lower Upper
188 100
94 10.4 9.7 14.5
80 10.4 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 4.678 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.247 min
Lab File: BF133133.D
Acq: 28 Apr 2023 21:25

Tgt Ion:248 Resp: 32153
Ion Ratio Lower Upper
248 100
250 203.7 78.7 118.1#
141 463.3 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133133.D

Acq: 28 Apr 2023 21:25

Instrument :

BNA_F

ClientSampleId :

BU-512-COMP-01

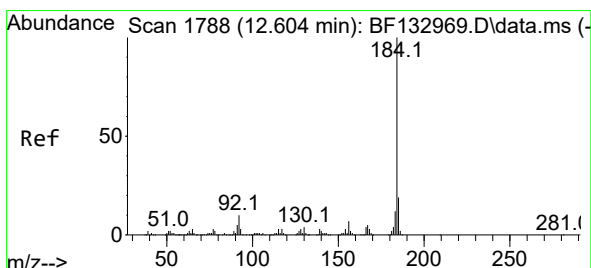
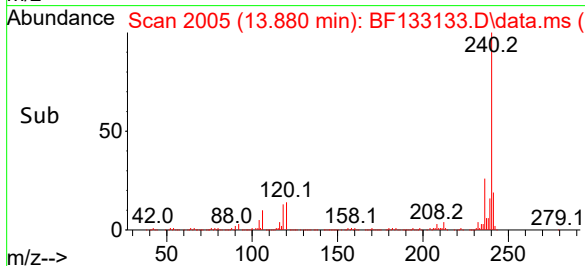
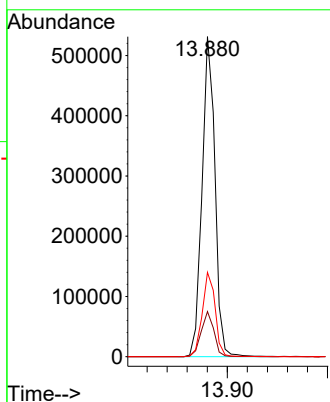
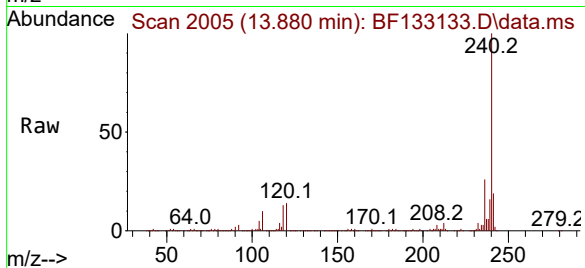
Tgt Ion:240 Resp: 478081

Ion Ratio Lower Upper

240 100

120 14.1 10.5 15.7

236 26.3 21.5 32.3



#77

Benzidine

Concen: 3.498 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.253 min

Lab File: BF133133.D

Acq: 28 Apr 2023 21:25

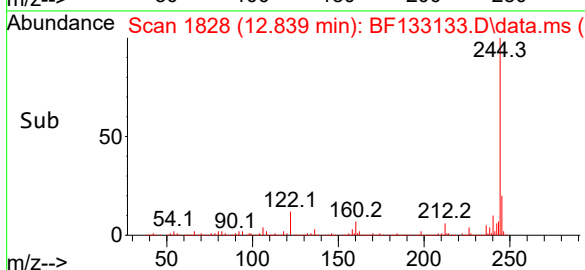
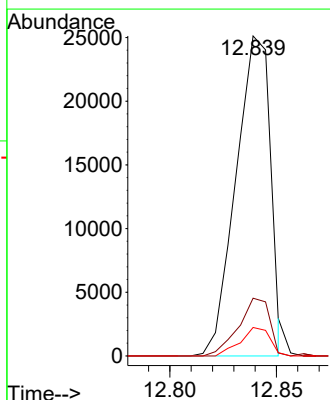
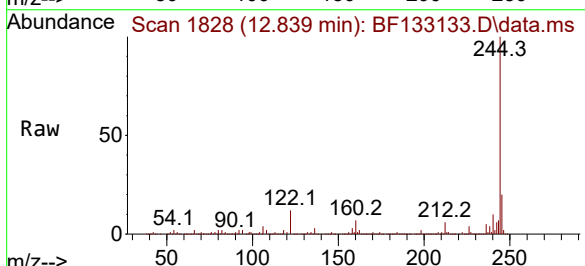
Tgt Ion:184 Resp: 28278

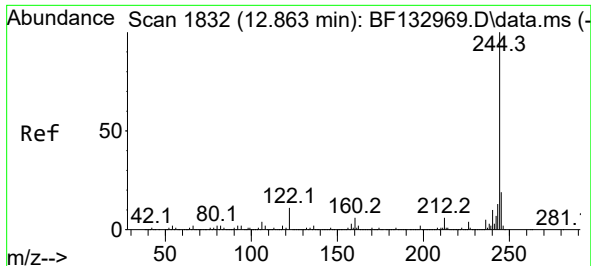
Ion Ratio Lower Upper

184 100

185 18.1 15.4 23.2

183 8.9 9.4 14.0#

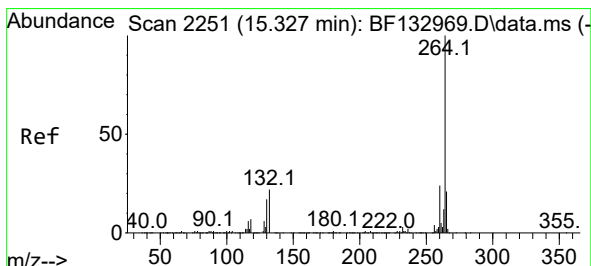
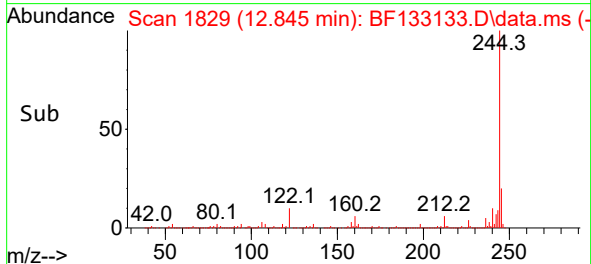
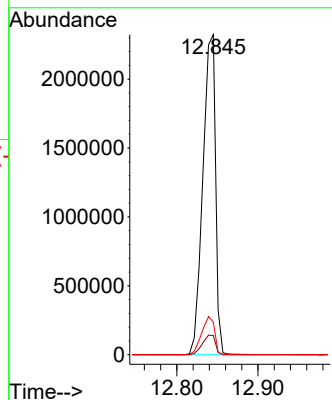
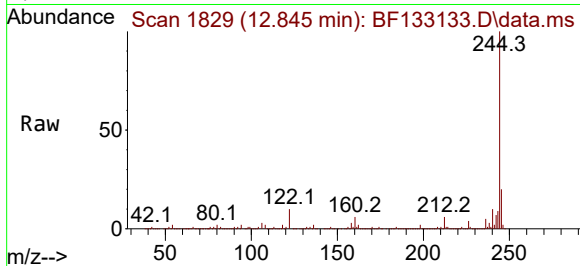




#79
 Terphenyl-d14
 Concen: 91.081 ng
 RT: 12.845 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF133133.D
 Acq: 28 Apr 2023 21:25

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

Tgt Ion:244 Resp: 2524778
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 10.2 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.006 min
 Lab File: BF133133.D
 Acq: 28 Apr 2023 21:25

Tgt Ion:264 Resp: 390063
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.8 28.2
 265 21.2 17.0 25.4

