

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100323\
 Data File : BF135551.D
 Acq On : 03 Oct 2023 20:14
 Operator : CG\JU
 Sample : 04627-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 280-300FB-BACKFILL-06

Quant Time: Oct 04 07:12:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 06:58:43 2023
 Response via : Initial Calibration

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

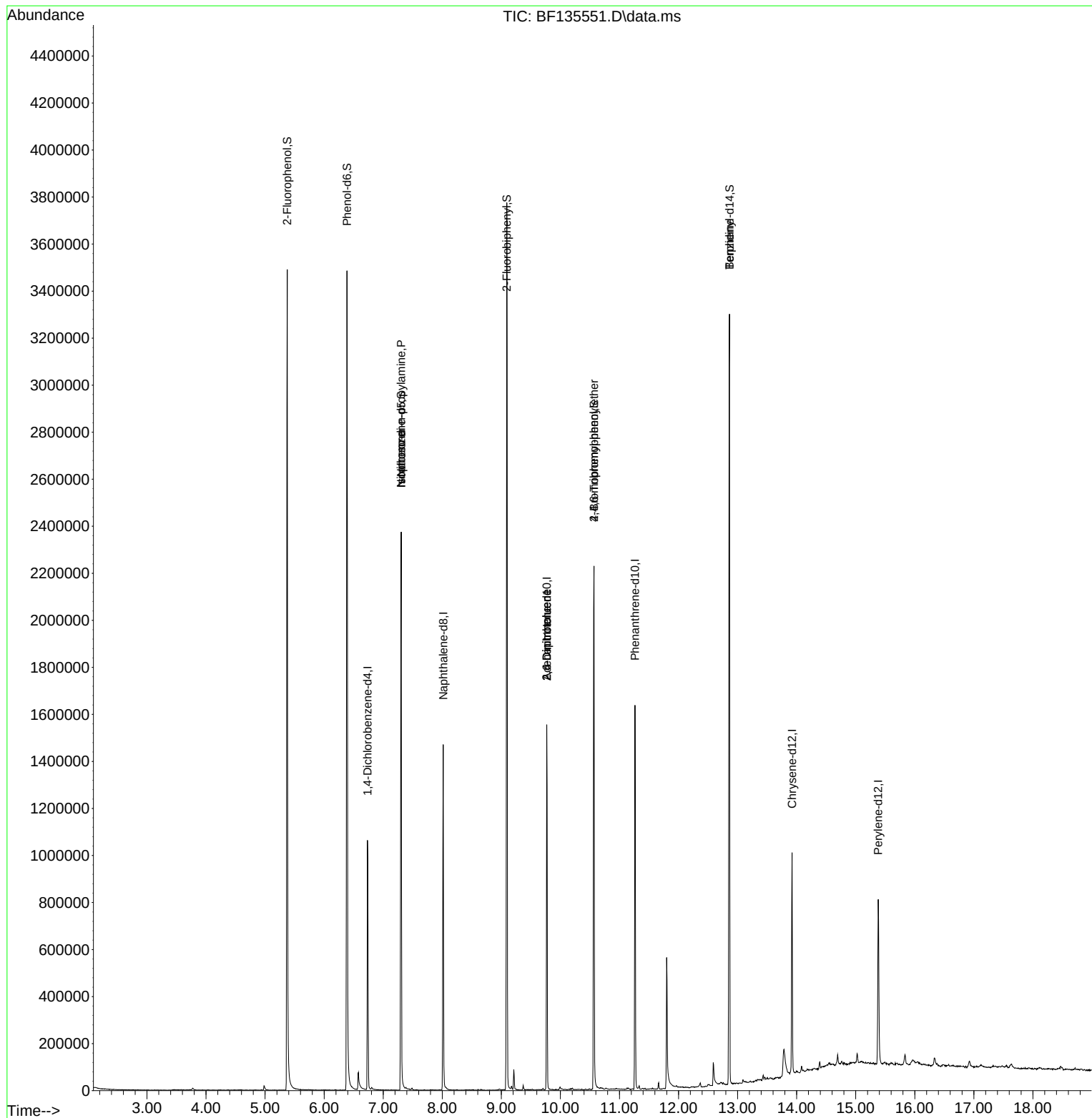
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	159186	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	615473	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	306935	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	579966	20.000	ng	# 0.00
76) Chrysene-d12	13.922	240	311875	20.000	ng	0.00
86) Perylene-d12	15.380	264	325395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	970623	99.171	ng	0.00
7) Phenol-d6	6.387	99	1207427	97.020	ng	0.00
23) Nitrobenzene-d5	7.304	82	740257	65.344	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	267205	87.603	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1257043	61.789	ng	0.00
79) Terphenyl-d14	12.863	244	1229622	61.119	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	96776	12.554	ng	# 80
25) Isophorone	7.304	82	740344	35.590	ng	# 65
51) 2,6-Dinitrotoluene	9.769	165	39275	8.639	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	39275	6.901	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	16518	2.864	ng	# 1
77) Benzidine	12.863	184	15628	2.446	ng	# 93

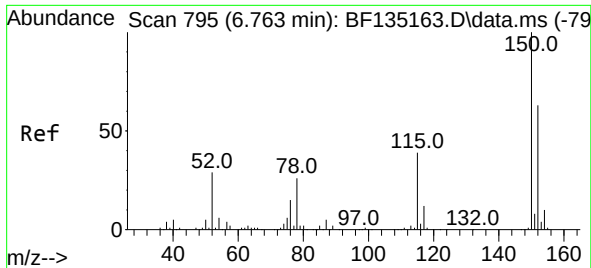
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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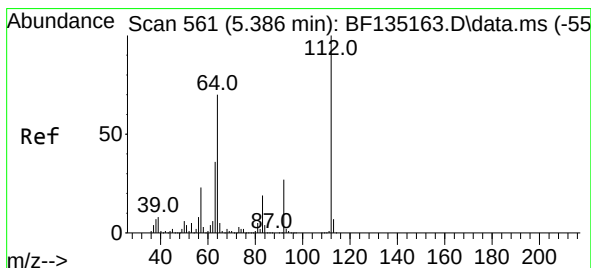
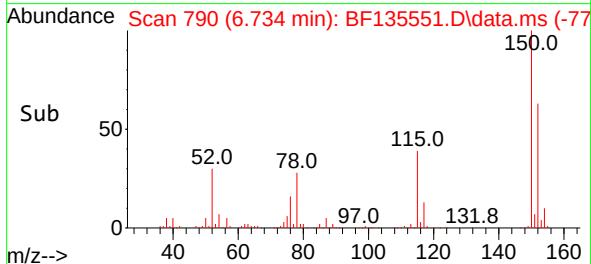
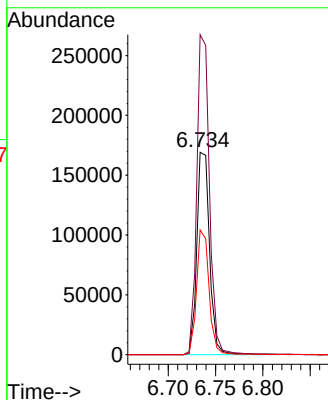
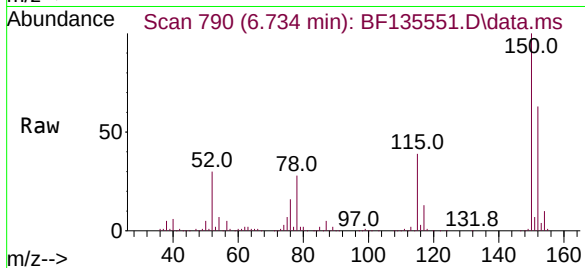




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

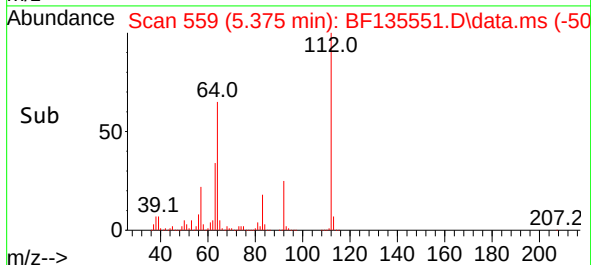
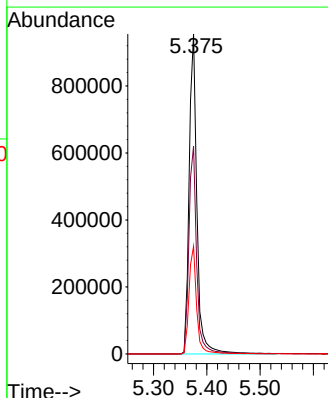
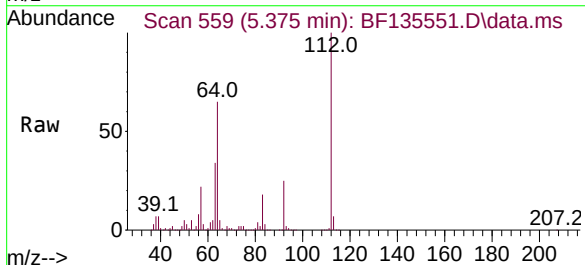
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-06

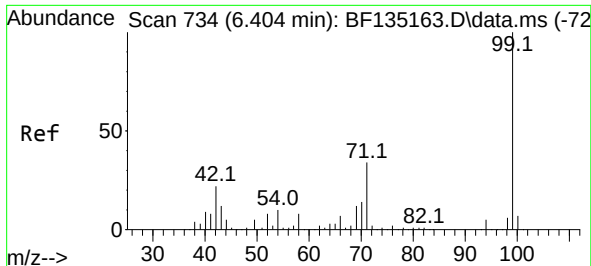
Tgt Ion:152 Resp: 159186
Ion Ratio Lower Upper
152 100
150 158.1 127.8 191.6
115 61.7 49.8 74.8



#5
2-Fluorophenol
Concen: 99.171 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

Tgt Ion:112 Resp: 970623
Ion Ratio Lower Upper
112 100
64 65.0 55.9 83.9
63 33.7 29.0 43.6

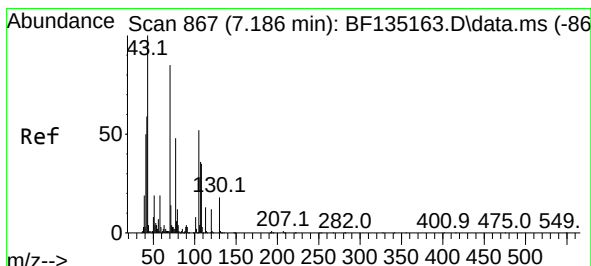
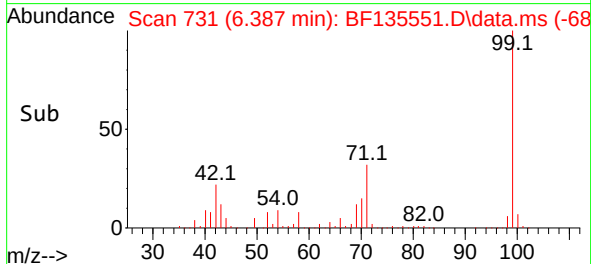
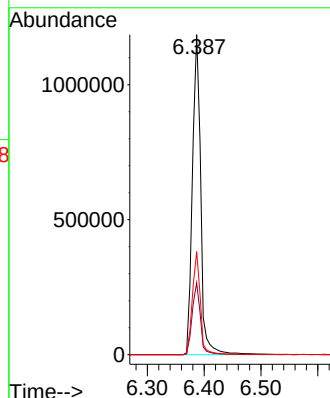
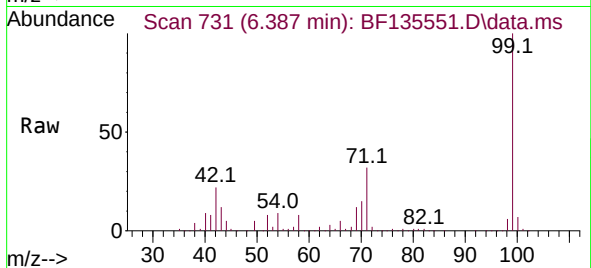




#7
Phenol-d6
Concen: 97.020 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

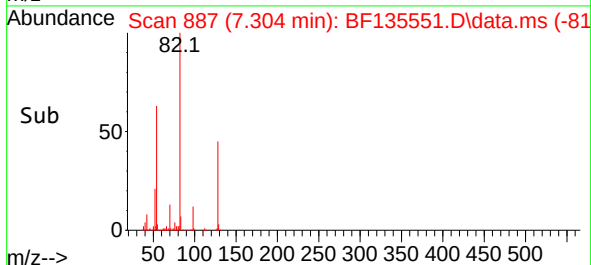
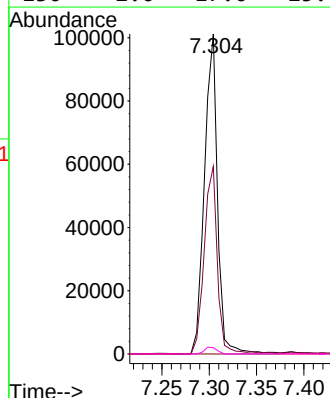
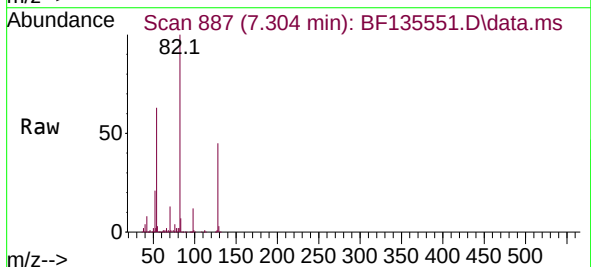
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-06

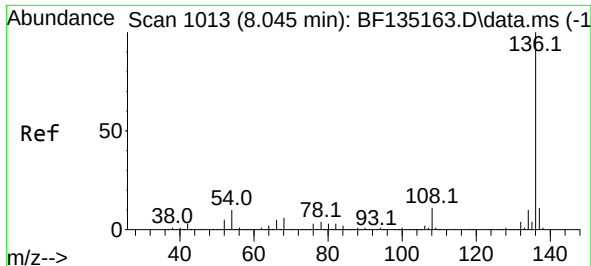
Tgt Ion: 99 Resp: 1207427
Ion Ratio Lower Upper
99 100
42 22.5 17.9 26.9
71 32.2 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.554 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

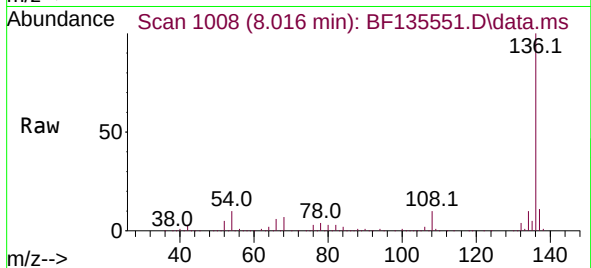
Tgt Ion: 70 Resp: 96776
Ion Ratio Lower Upper
70 100
42 58.6 55.4 83.0
101 0.0 7.7 11.5#
130 2.0 17.0 25.6#



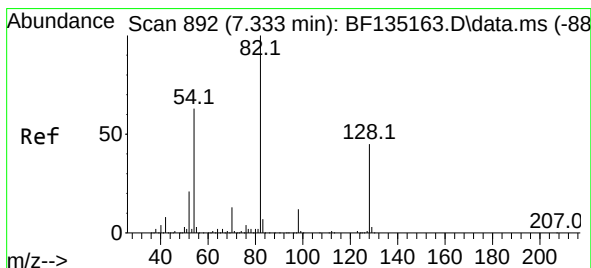
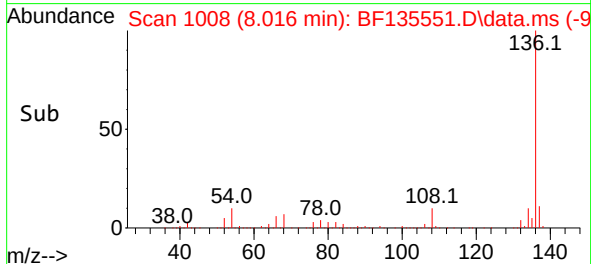
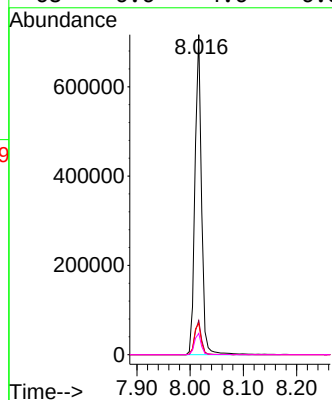


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-06

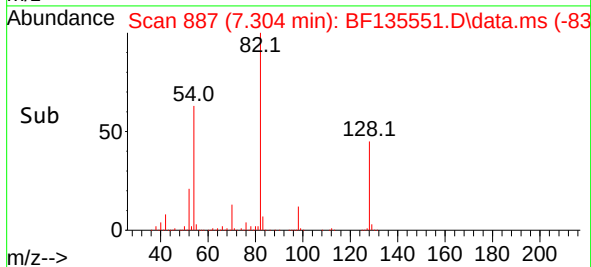
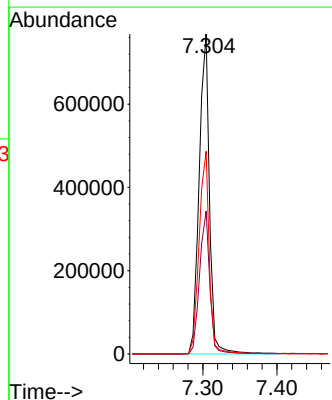
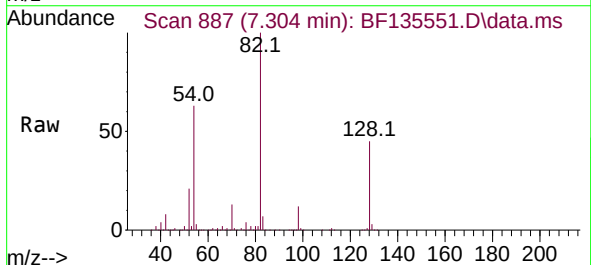


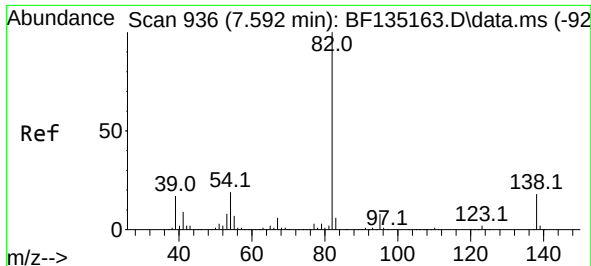
Tgt Ion:136 Resp: 615473
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.8 7.7 11.5
68 6.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 65.344 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

Tgt Ion: 82 Resp: 740257
Ion Ratio Lower Upper
82 100
128 44.7 35.8 53.6
54 63.4 50.6 76.0

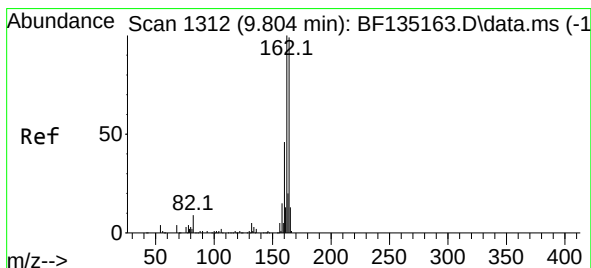
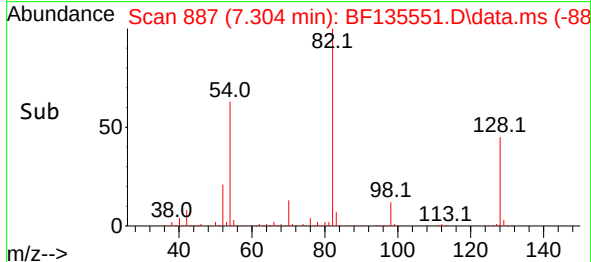
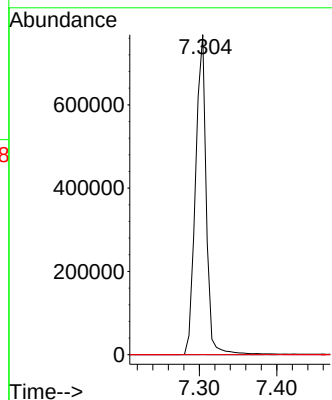
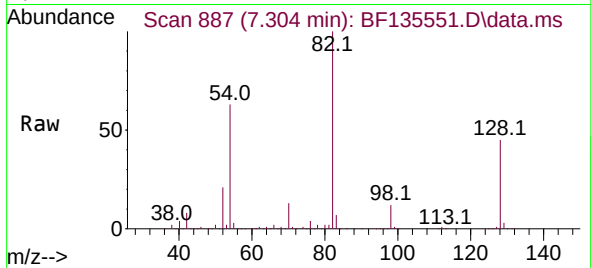




#25
Isophorone
Concen: 35.590 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

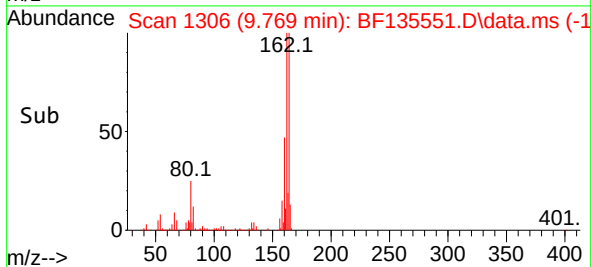
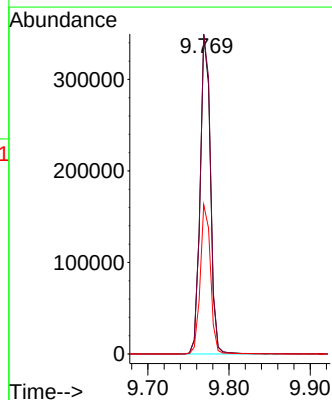
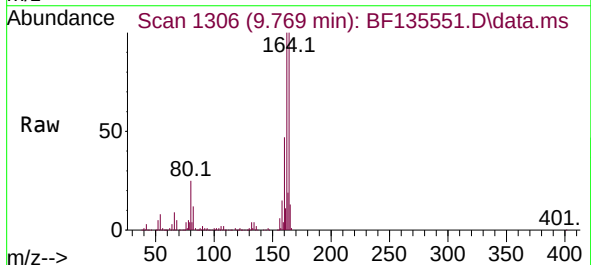
Instrument :
BNA_F
ClientSampleId :
280-300FB-BACKFILL-06

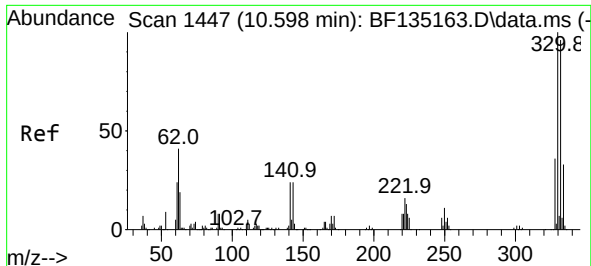
Tgt Ion: 82 Resp: 740344
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF135551.D
Acq: 03 Oct 2023 20:14

Tgt Ion:164 Resp: 306935
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.4
160 46.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 87.603 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135551.D

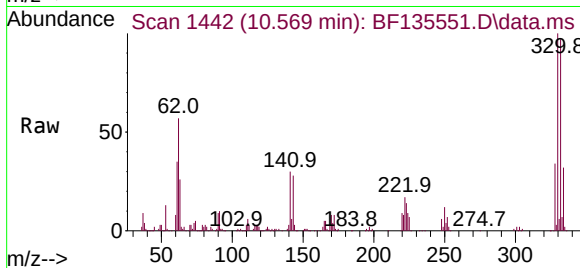
Acq: 03 Oct 2023 20:14

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-06



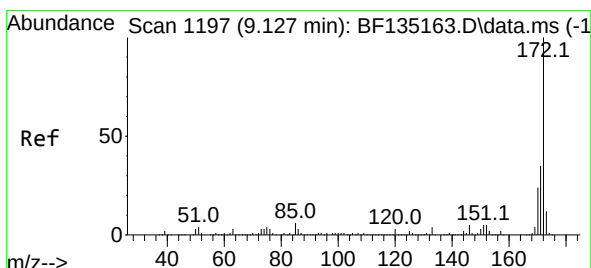
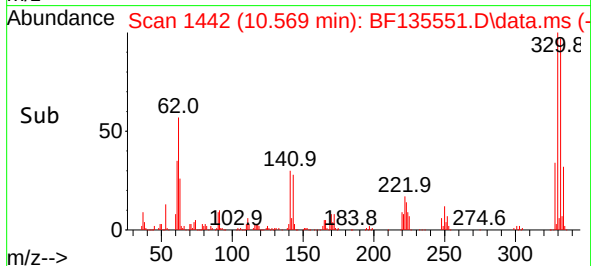
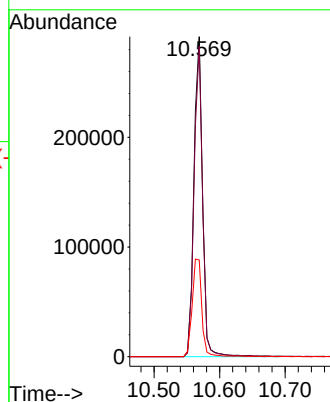
Tgt Ion:330 Resp: 267205

Ion Ratio Lower Upper

330 100

332 95.2 77.3 115.9

141 34.2 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 61.789 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135551.D

Acq: 03 Oct 2023 20:14

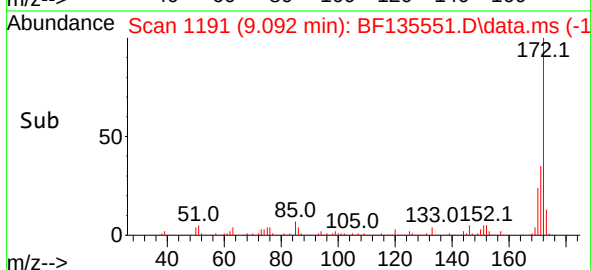
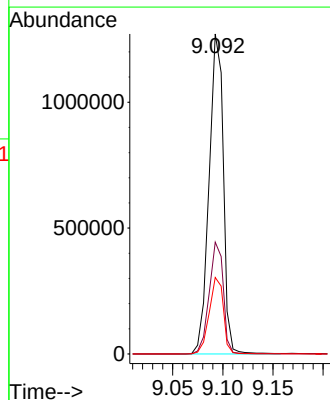
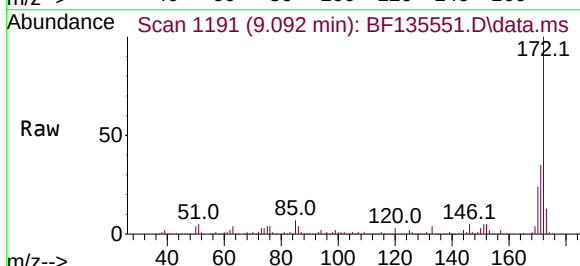
Tgt Ion:172 Resp: 1257043

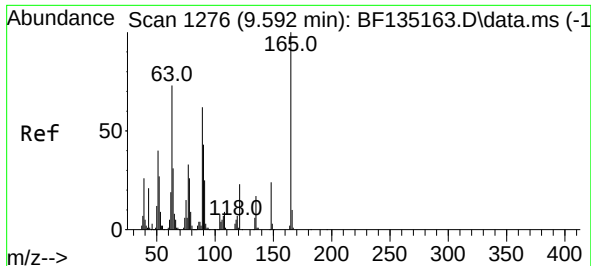
Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.9 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.639 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.194 min

Lab File: BF135551.D

Acq: 03 Oct 2023 20:14

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-06

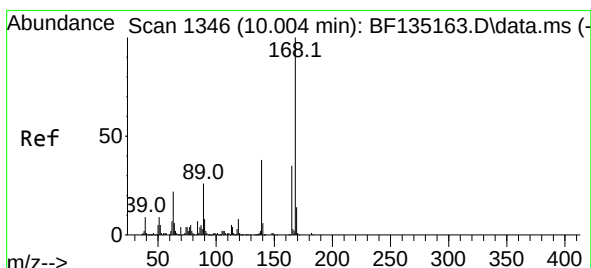
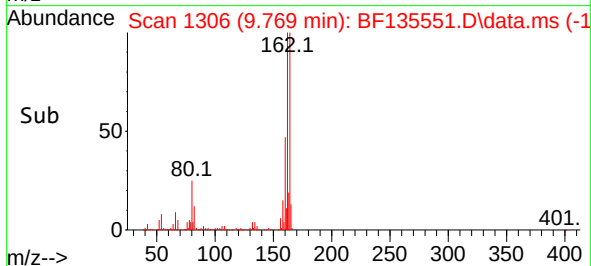
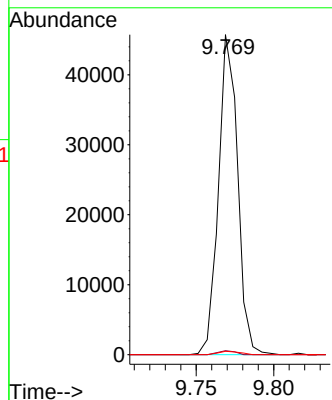
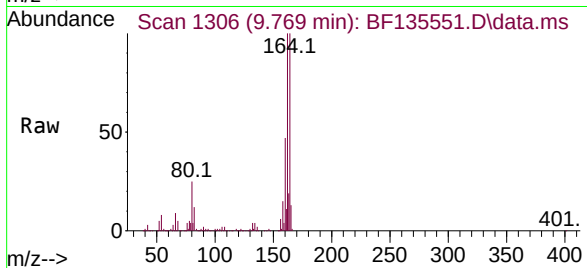
Tgt Ion:165 Resp: 39275

Ion Ratio Lower Upper

165 100

63 1.2 59.4 89.2#

89 1.0 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.901 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.212 min

Lab File: BF135551.D

Acq: 03 Oct 2023 20:14

Tgt Ion:165 Resp: 39275

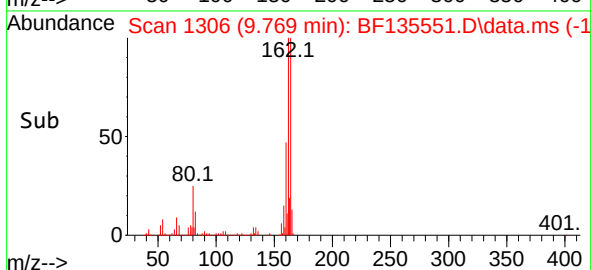
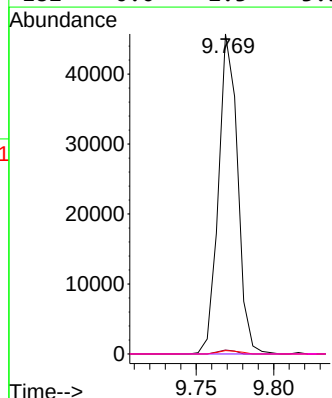
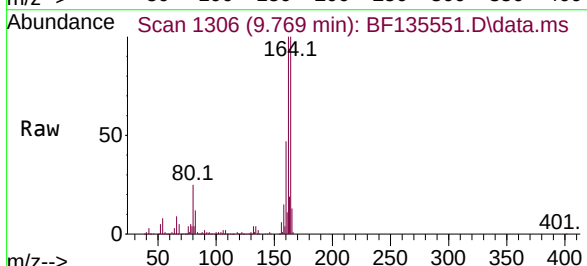
Ion Ratio Lower Upper

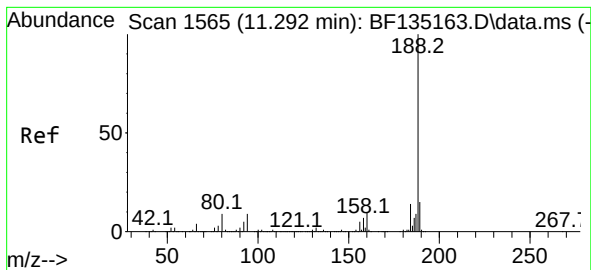
165 100

63 1.2 50.1 75.1#

89 1.0 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135551.D

Acq: 03 Oct 2023 20:14

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280-300FB-BACKFILL-06

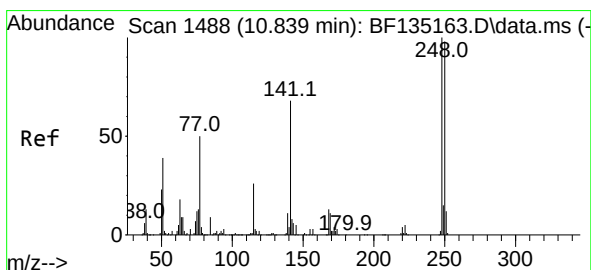
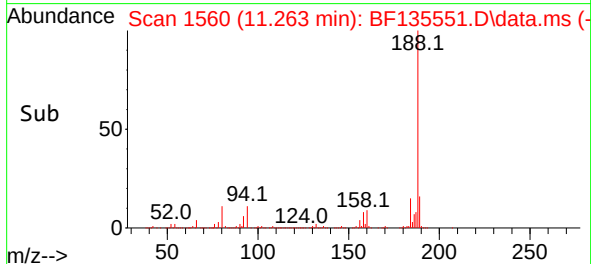
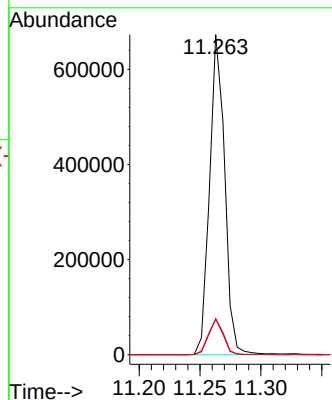
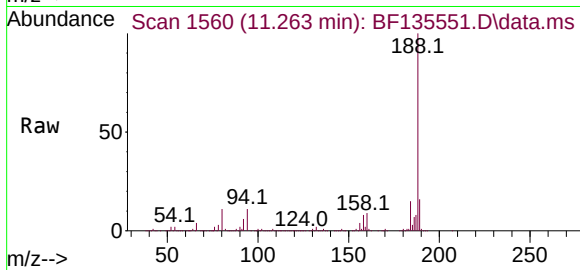
Tgt Ion:188 Resp: 579966

Ion Ratio Lower Upper

188 100

94 11.1 7.0 10.6#

80 11.3 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 2.864 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135551.D

Acq: 03 Oct 2023 20:14

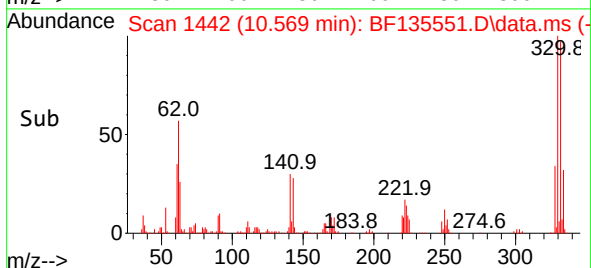
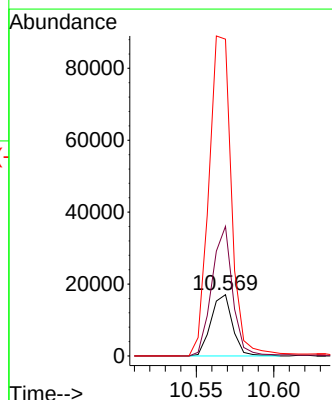
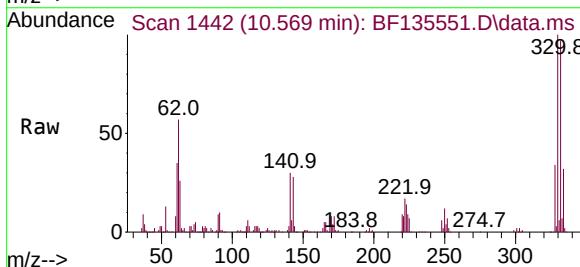
Tgt Ion:248 Resp: 16518

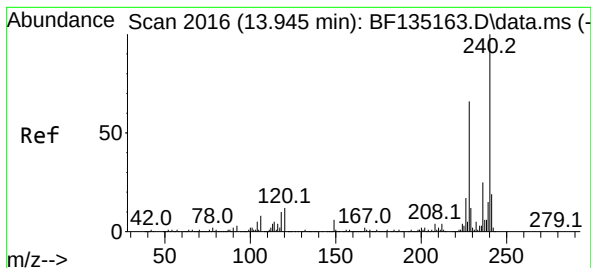
Ion Ratio Lower Upper

248 100

250 211.6 78.6 117.8#

141 517.0 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.922 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135551.D

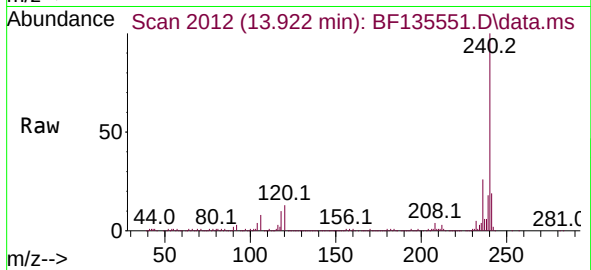
Acq: 03 Oct 2023 20:14

Instrument :

BNA_F

ClientSampleId :

280-300FB-BACKFILL-06



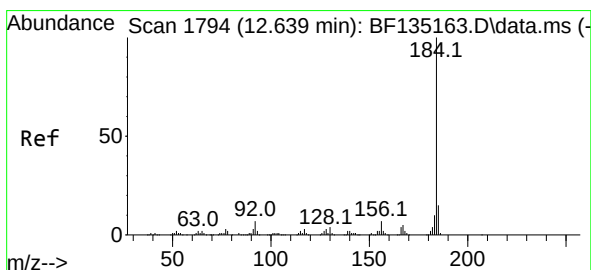
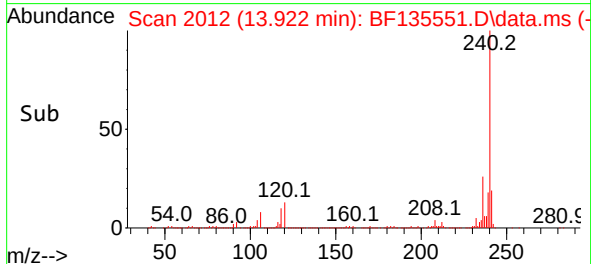
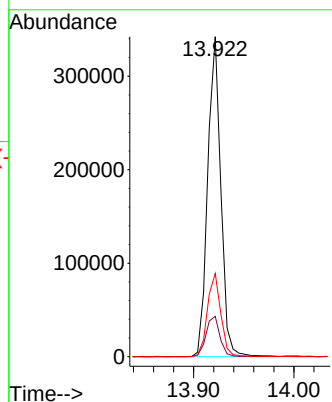
Tgt Ion:240 Resp: 311875

Ion Ratio Lower Upper

240 100

120 12.6 9.4 14.2

236 26.0 19.8 29.8



#77

Benzidine

Concen: 2.446 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF135551.D

Acq: 03 Oct 2023 20:14

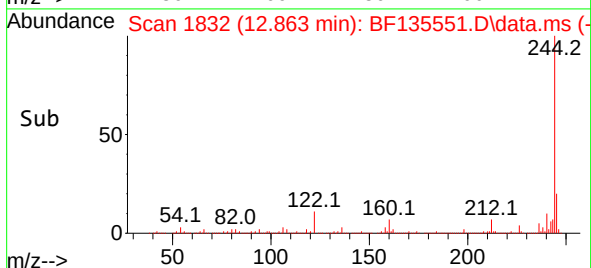
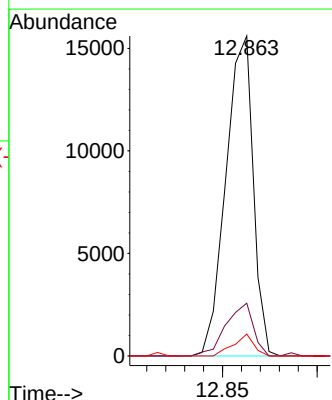
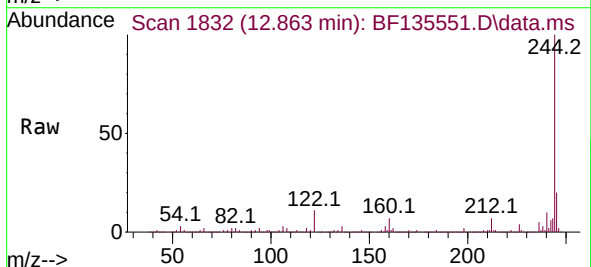
Tgt Ion:184 Resp: 15628

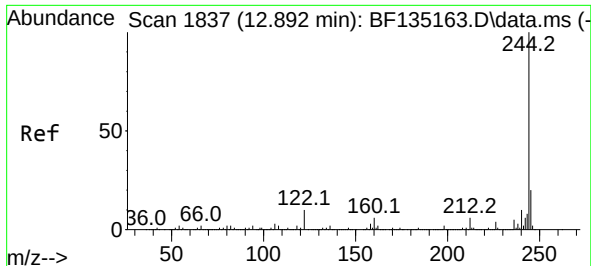
Ion Ratio Lower Upper

184 100

185 16.5 11.7 17.5

183 6.8 8.2 12.4#

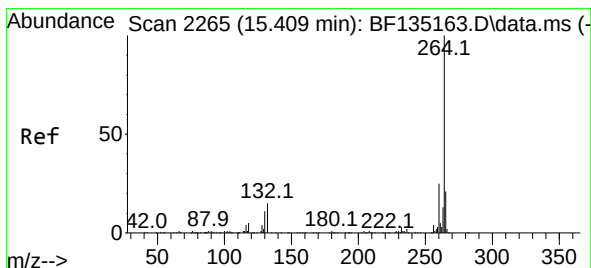
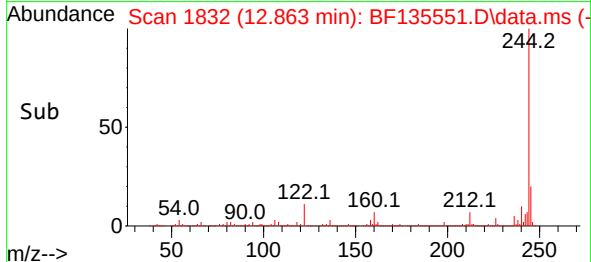
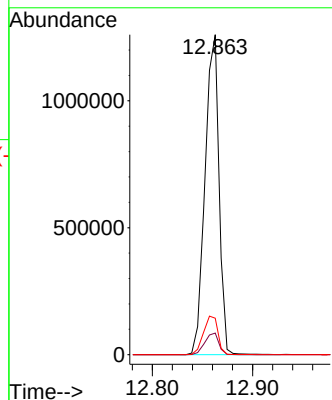
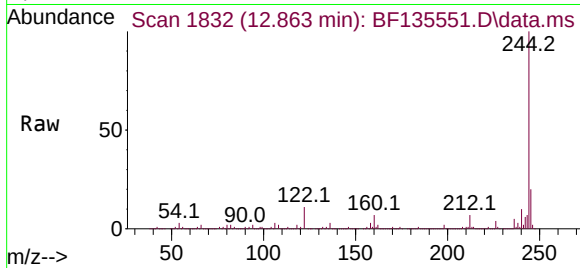




#79
 Terphenyl-d14
 Concen: 61.119 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. 0.000 min
 Lab File: BF135551.D
 Acq: 03 Oct 2023 20:14

Instrument :
 BNA_F
 ClientSampleId :
 280-300FB-BACKFILL-06

Tgt Ion:244 Resp: 1229622
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 11.4 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2260
 Delta R.T. -0.006 min
 Lab File: BF135551.D
 Acq: 03 Oct 2023 20:14

Tgt Ion:264 Resp: 325395
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.8 29.6
 265 22.4 17.0 25.4

