

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135567.D
 Acq On : 04 Oct 2023 12:53
 Operator : CG\JU
 Sample : 04652-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IS2-COMP

Quant Time: Oct 04 13:39:39 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)

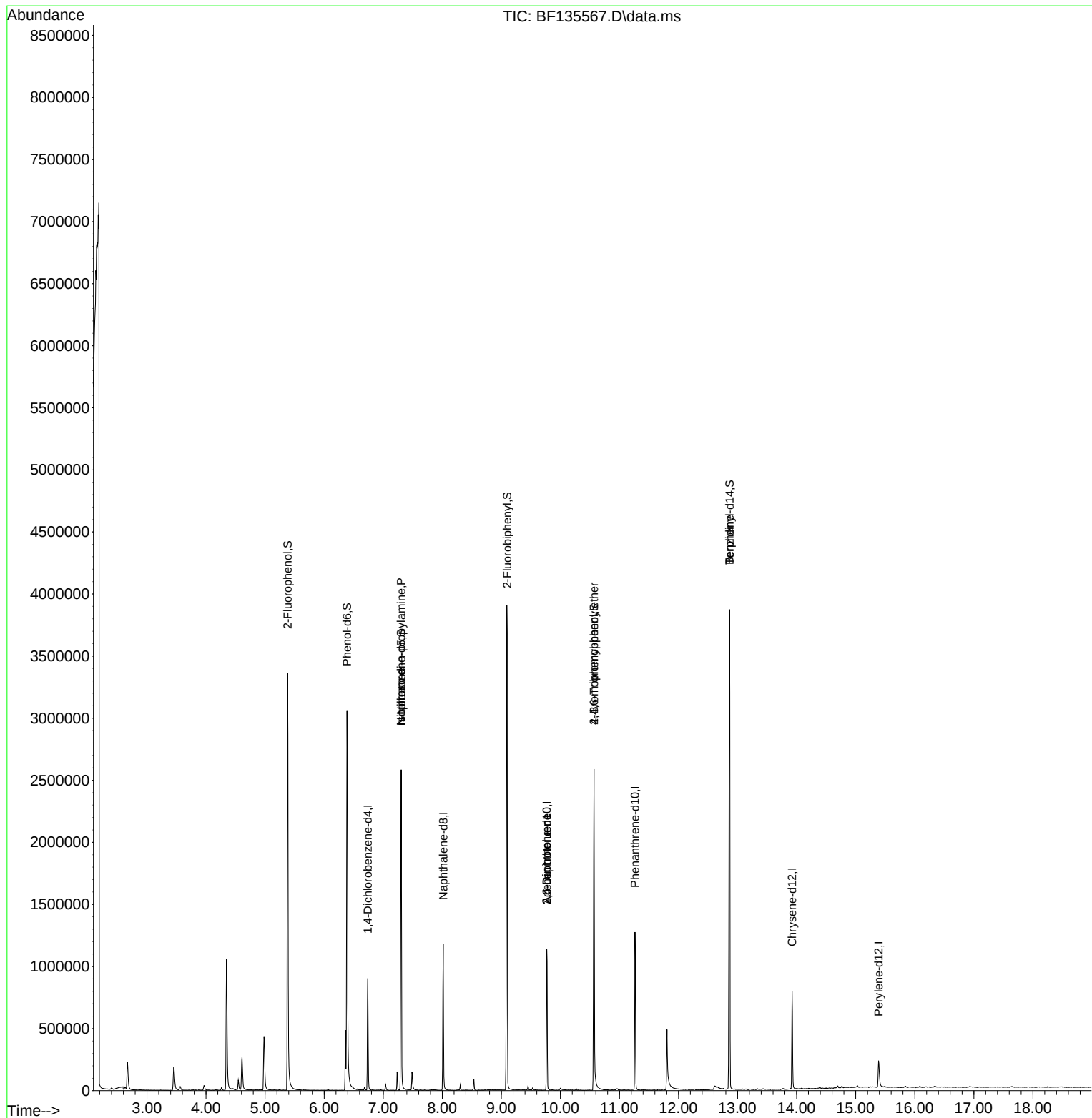
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	133281	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	501472	20.000	ng	-0.01
39) Acenaphthene-d10	9.769	164	228060	20.000	ng	-0.02
64) Phenanthrene-d10	11.263	188	467204	20.000	ng	#-0.01
76) Chrysene-d12	13.921	240	250882	20.000	ng	-0.01
86) Perylene-d12	15.386	264	84782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	989789	120.785	ng	0.00
7) Phenol-d6	6.387	99	1099286	105.498	ng	-0.02
23) Nitrobenzene-d5	7.304	82	813020	88.082	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	328758	145.060	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1389772	91.940	ng	-0.01
79) Terphenyl-d14	12.863	244	1534818	94.836	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	108372	16.791	ng	# 81
25) Isophorone	7.304	82	813120	47.974	ng	# 65
51) 2,6-Dinitrotoluene	9.769	165	29419	8.709	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	29419	6.957	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	21614	4.651	ng	# 1
77) Benzydine	12.863	184	19360	3.767	ng	# 90

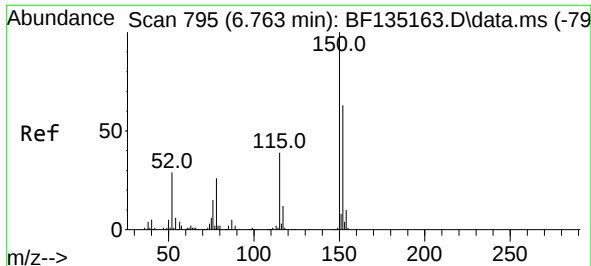
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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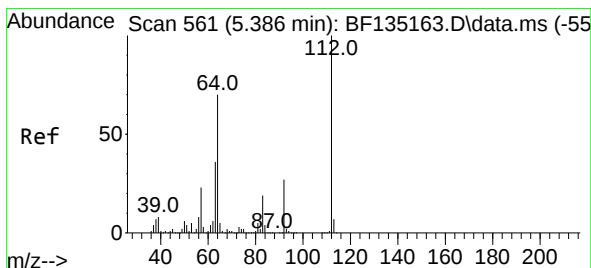
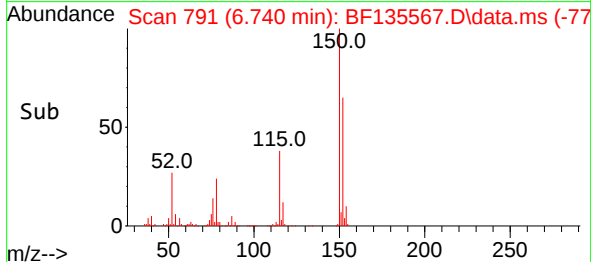
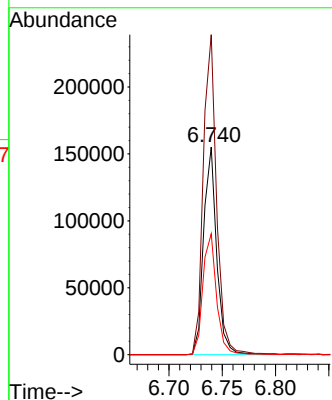
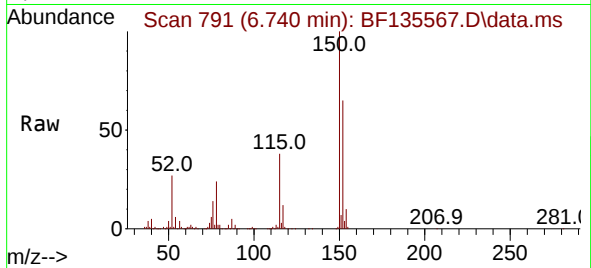




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. -0.011 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

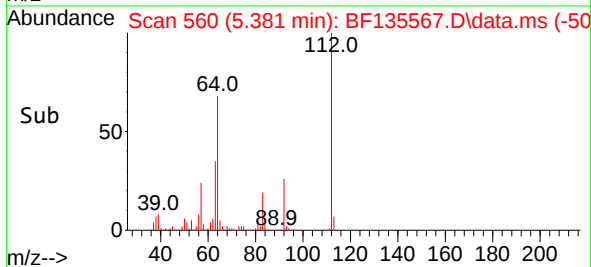
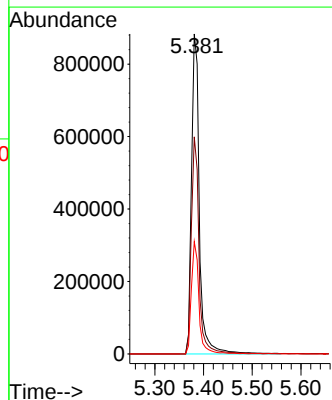
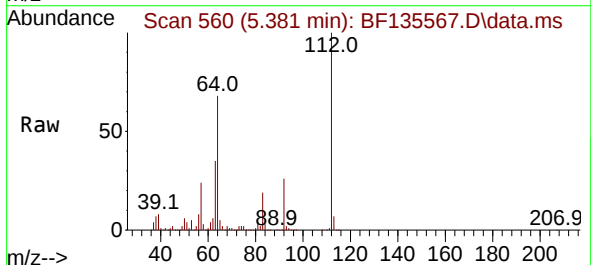
Instrument :
BNA_F
ClientSampleId :
IS2-COMP

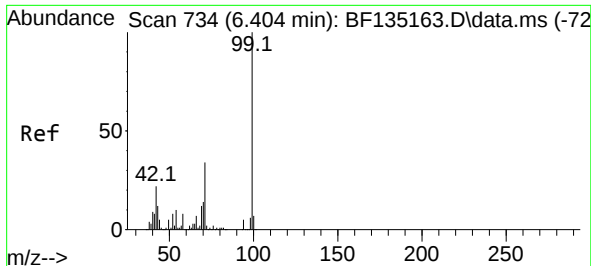
Tgt Ion:152 Resp: 133281
Ion Ratio Lower Upper
152 100
150 154.1 127.8 191.6
115 58.3 49.8 74.8



#5
2-Fluorophenol
Concen: 120.785 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

Tgt Ion:112 Resp: 989789
Ion Ratio Lower Upper
112 100
64 67.8 55.9 83.9
63 35.1 29.0 43.6





#7

Phenol-d6

Concen: 105.498 ng

RT: 6.387 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

Instrument :

BNA_F

ClientSampleId :

IS2-COMP

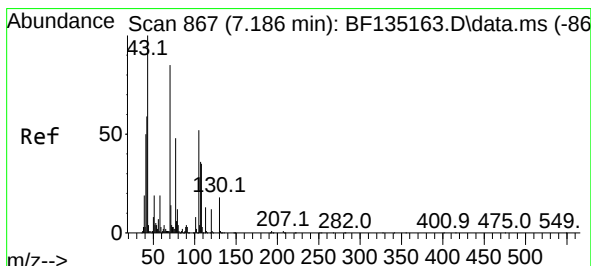
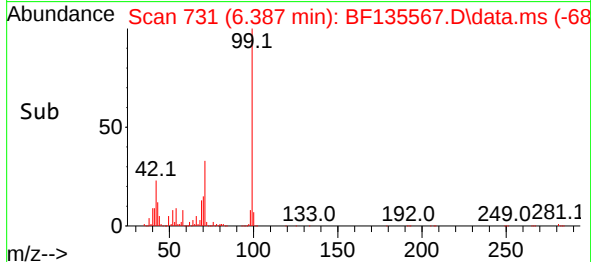
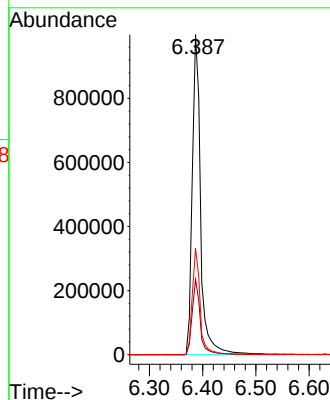
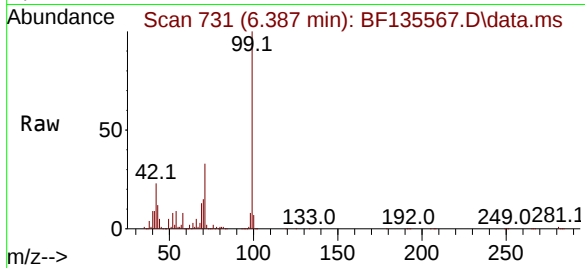
Tgt Ion: 99 Resp: 1099286

Ion Ratio Lower Upper

99 100

42 23.4 17.9 26.9

71 33.2 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.791 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.135 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

Tgt Ion: 70 Resp: 108372

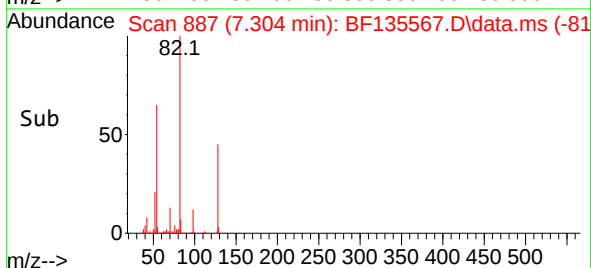
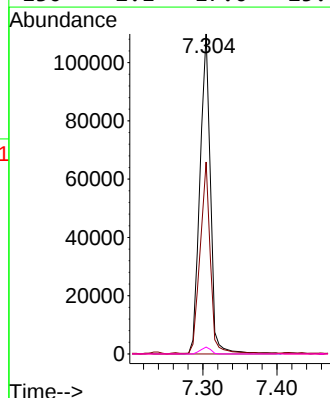
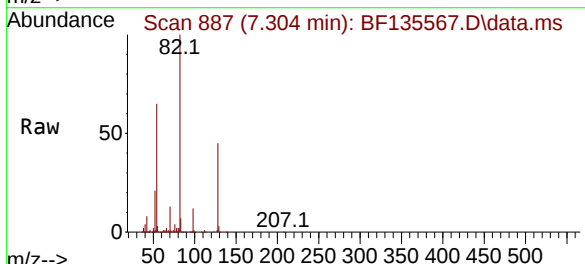
Ion Ratio Lower Upper

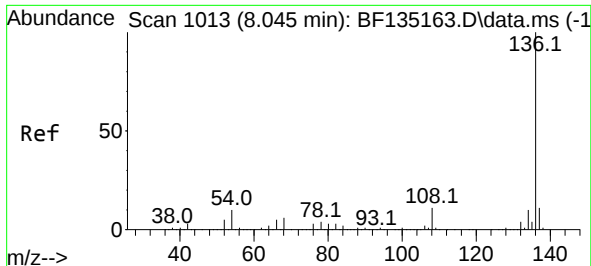
70 100

42 60.0 55.4 83.0

101 0.0 7.7 11.5#

130 2.1 17.0 25.6#

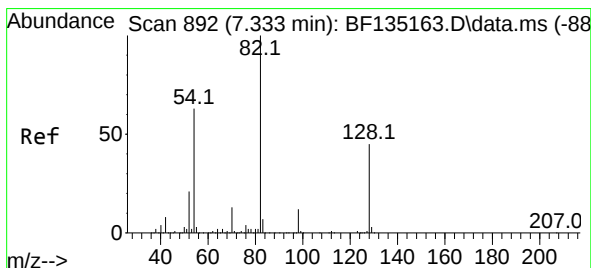
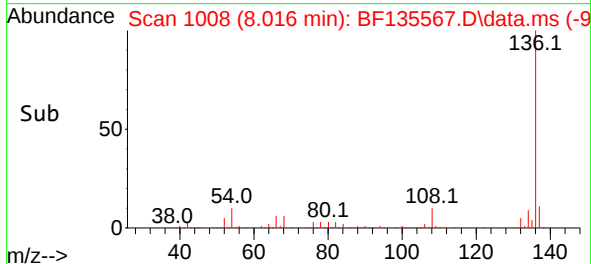
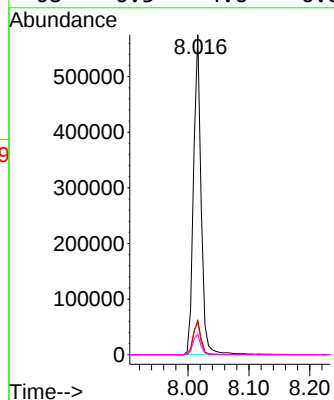
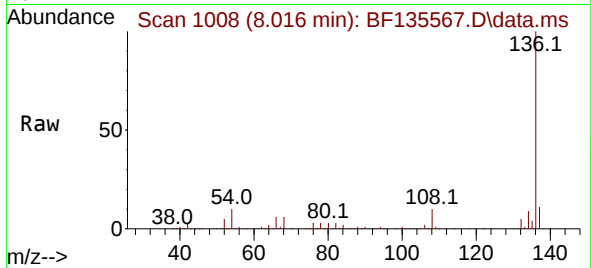




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

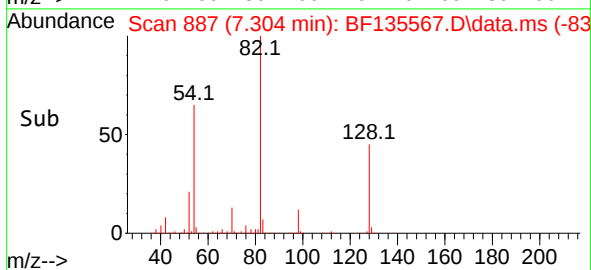
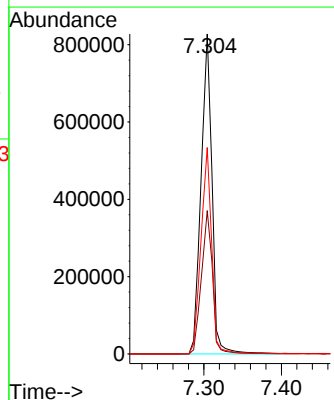
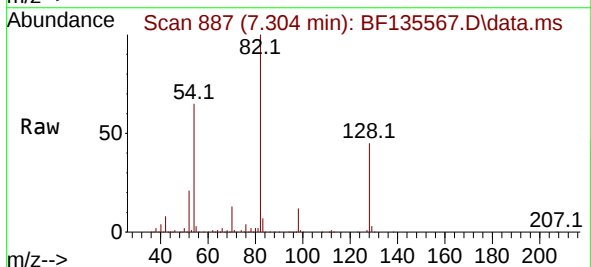
Instrument :
BNA_F
ClientSampleId :
IS2-COMP

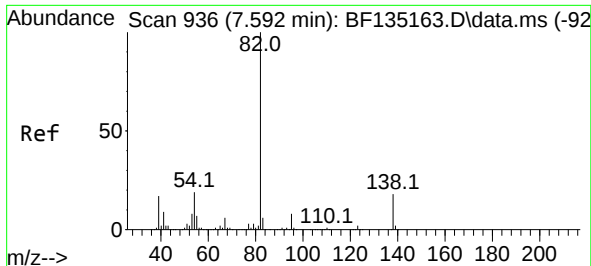
Tgt Ion:136 Resp: 501472
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 10.1 7.7 11.5
68 6.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 88.082 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.018 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

Tgt Ion: 82 Resp: 813020
Ion Ratio Lower Upper
82 100
128 44.8 35.8 53.6
54 64.5 50.6 76.0

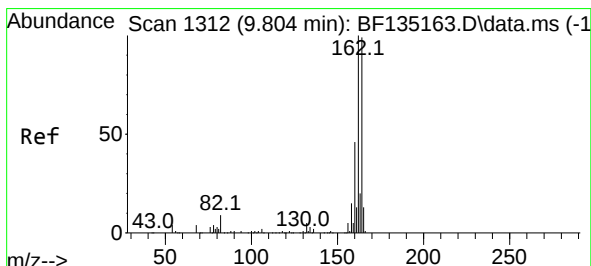
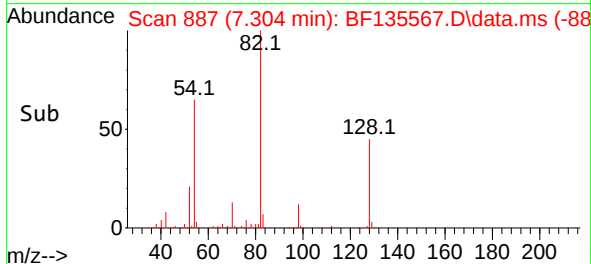
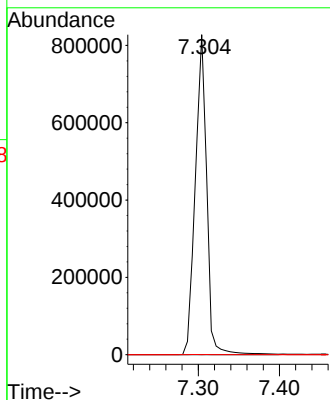
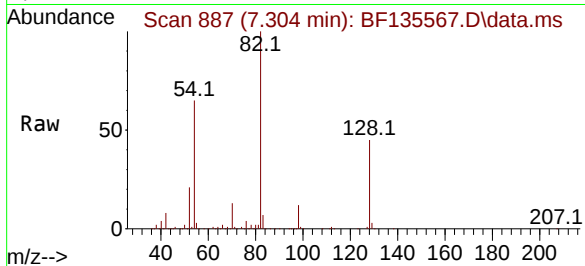




#25
Isophorone
Concen: 47.974 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

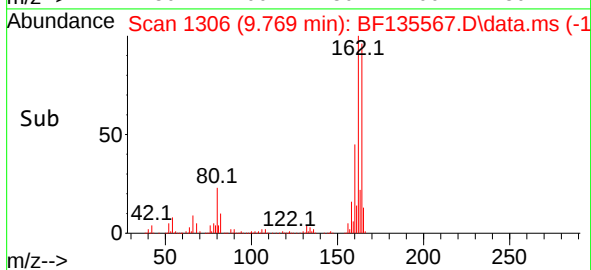
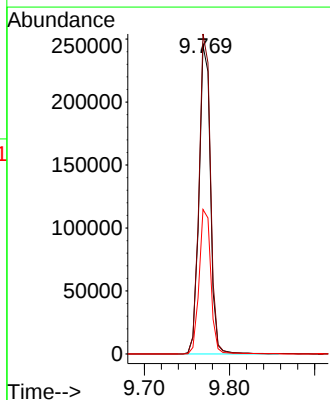
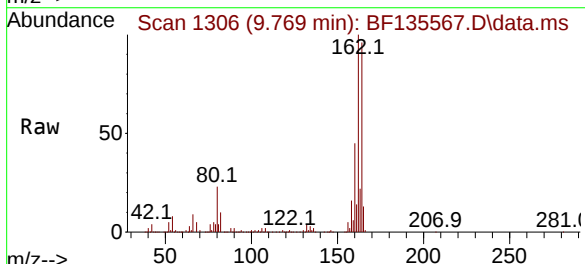
Instrument :
BNA_F
ClientSampleId :
IS2-COMP

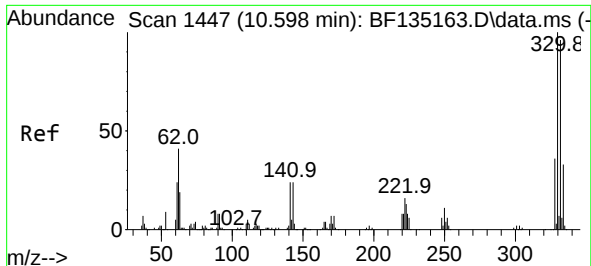
Tgt Ion: 82 Resp: 813120
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

Tgt Ion: 164 Resp: 228060
Ion Ratio Lower Upper
164 100
162 103.8 81.0 121.4
160 46.9 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 145.060 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

Instrument :

BNA_F

ClientSampleId :

IS2-COMP

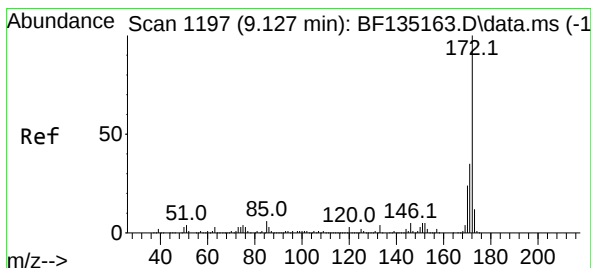
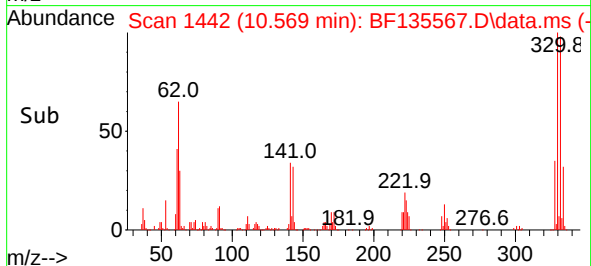
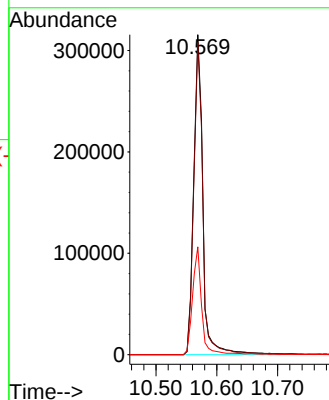
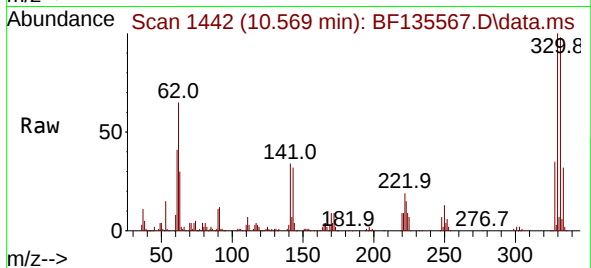
Tgt Ion:330 Resp: 328758

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 33.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 91.940 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

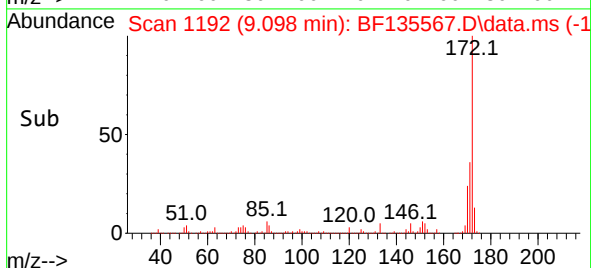
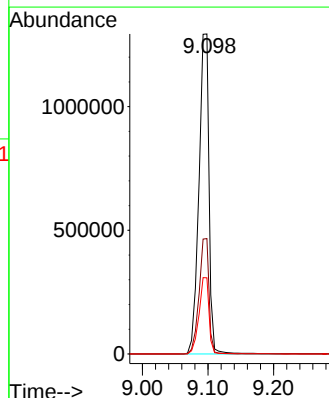
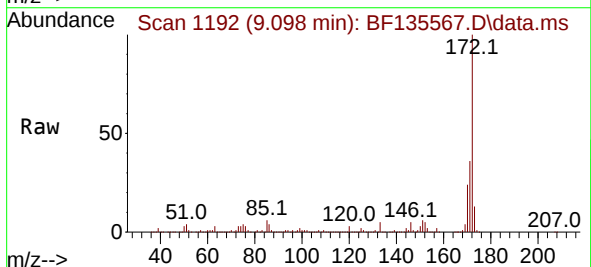
Tgt Ion:172 Resp: 1389772

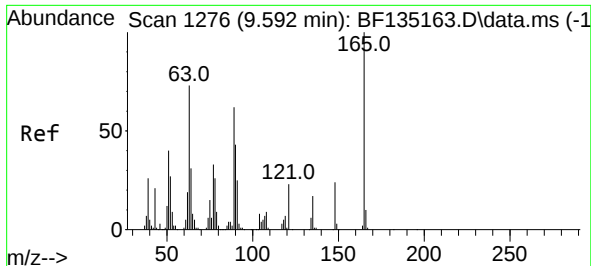
Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.8 19.0 28.4

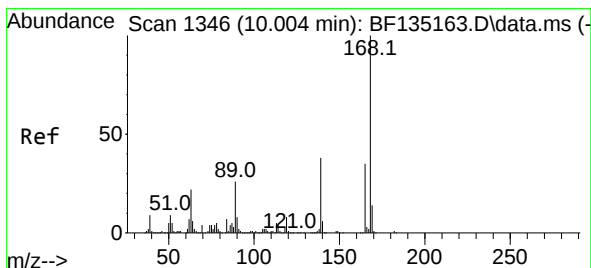
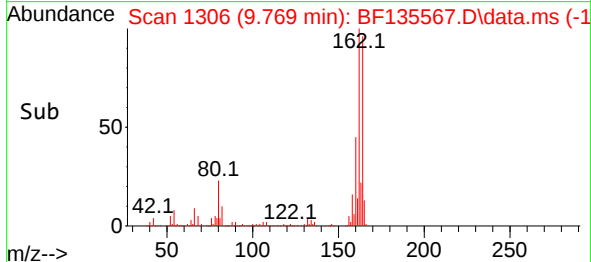
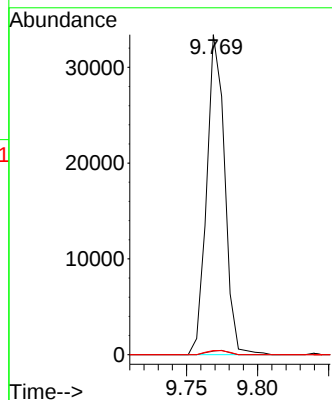
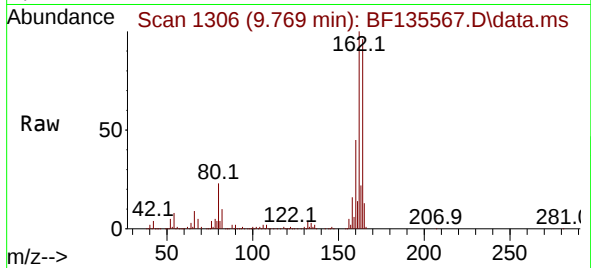




#51
2,6-Dinitrotoluene
Concen: 8.709 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.182 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

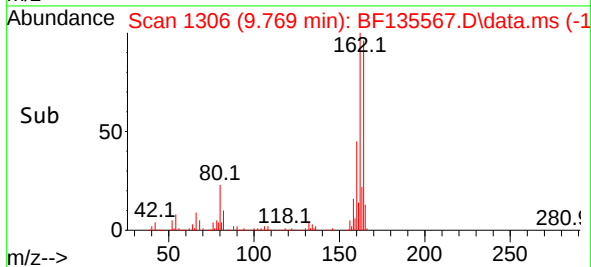
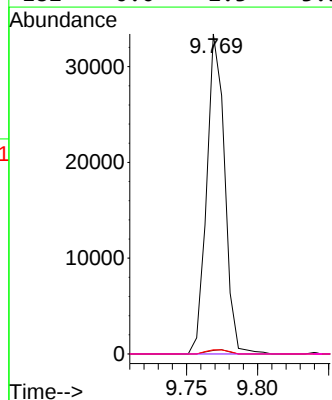
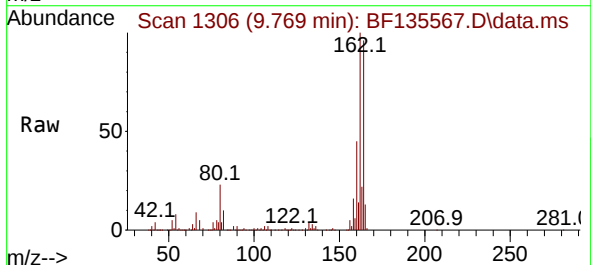
Instrument :
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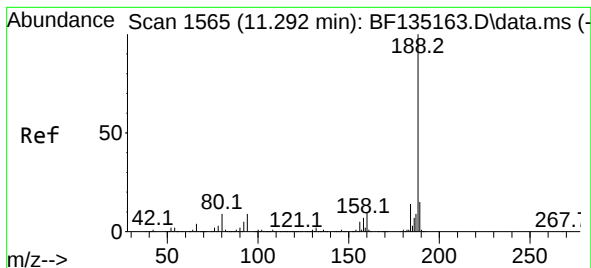
Tgt Ion:165 Resp: 29419
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.3 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.957 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.223 min
Lab File: BF135567.D
Acq: 04 Oct 2023 12:53

Tgt Ion:165 Resp: 29419
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.3 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. -0.012 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

Instrument :

BNA_F

ClientSampleId :

IS2-COMP

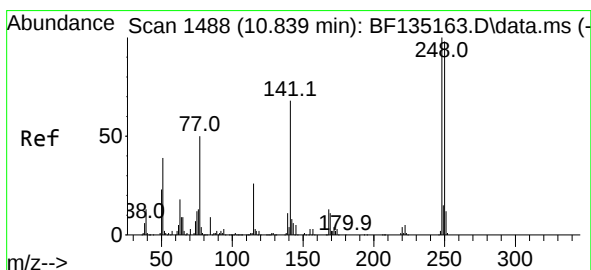
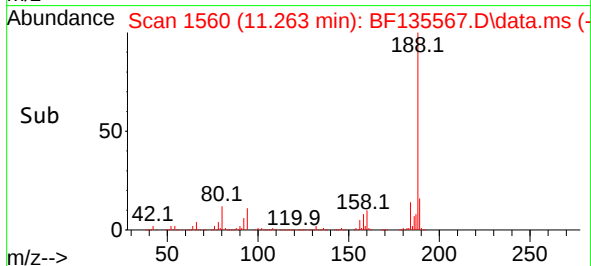
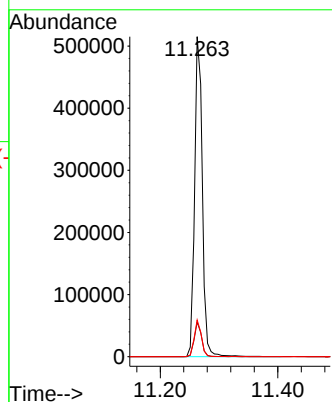
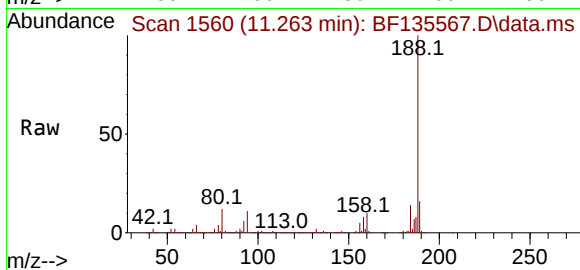
Tgt Ion:188 Resp: 467204

Ion Ratio Lower Upper

188 100

94 10.8 7.0 10.6#

80 11.5 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 4.651 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

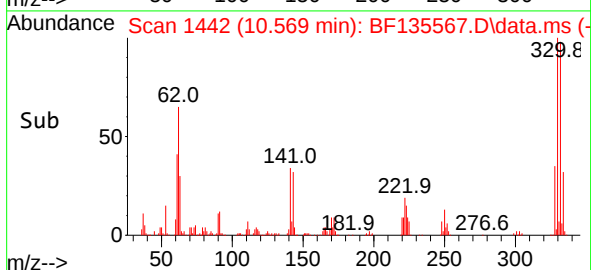
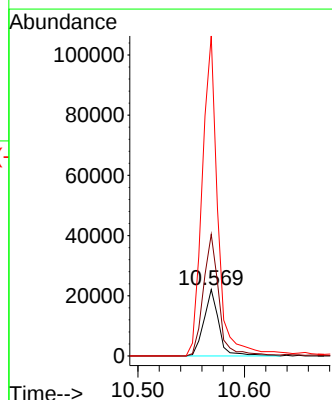
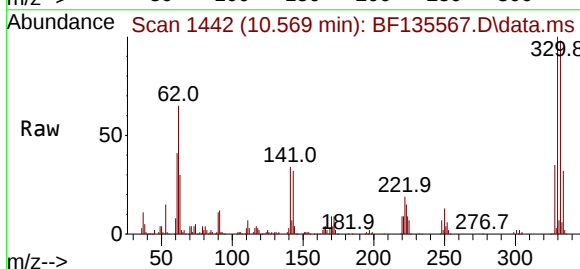
Tgt Ion:248 Resp: 21614

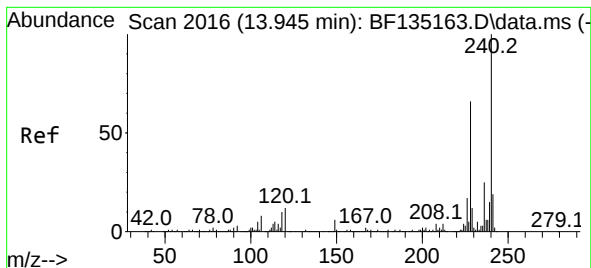
Ion Ratio Lower Upper

248 100

250 182.8 78.6 117.8#

141 481.3 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

Instrument :

BNA_F

ClientSampleId :

IS2-COMP

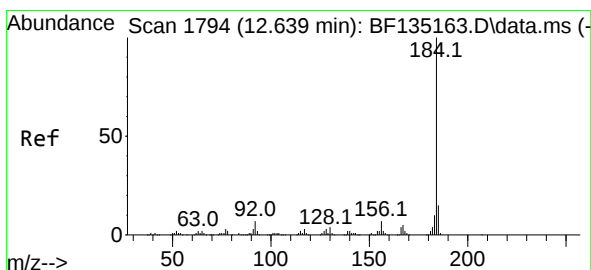
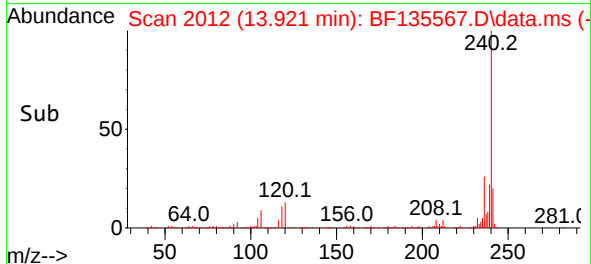
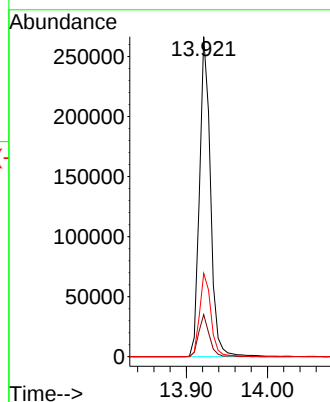
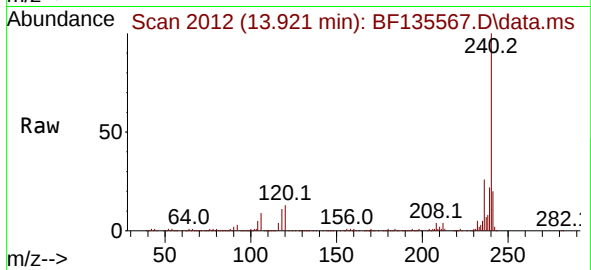
Tgt Ion:240 Resp: 250882

Ion Ratio Lower Upper

240 100

120 13.2 9.4 14.2

236 26.0 19.8 29.8



#77

Benzidine

Concen: 3.767 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.241 min

Lab File: BF135567.D

Acq: 04 Oct 2023 12:53

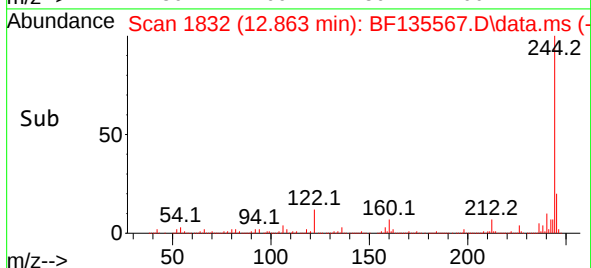
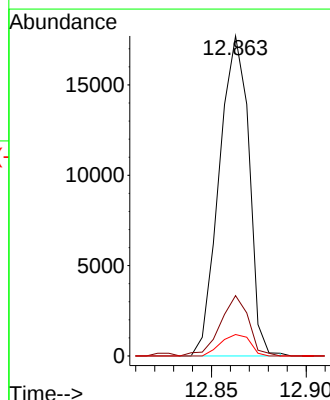
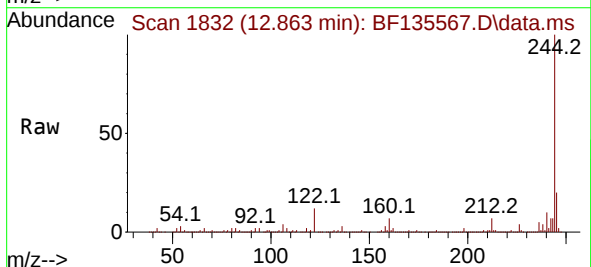
Tgt Ion:184 Resp: 19360

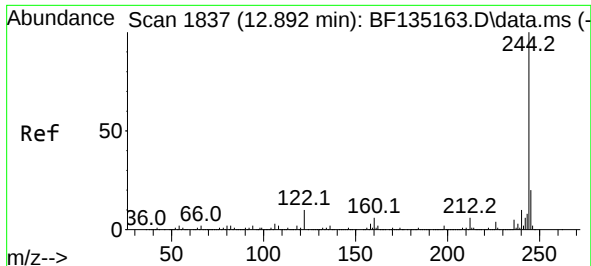
Ion Ratio Lower Upper

184 100

185 18.9 11.7 17.5#

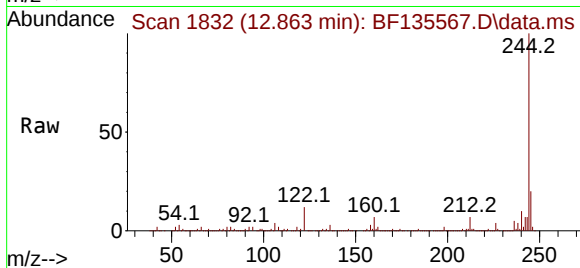
183 6.7 8.2 12.4#



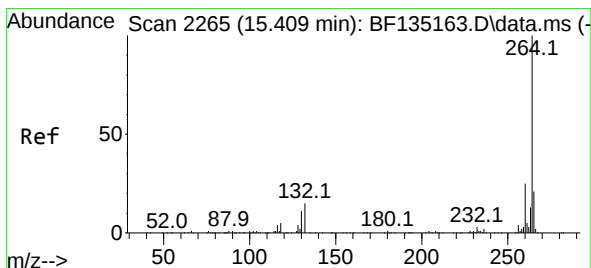
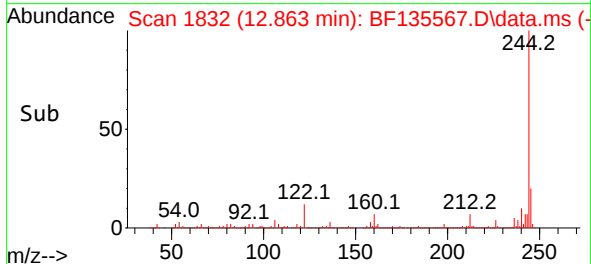
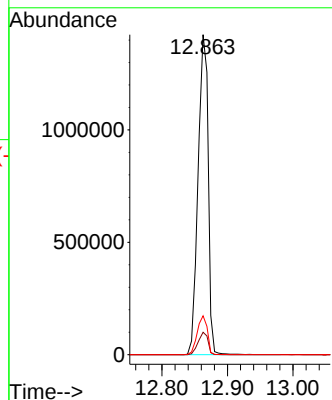


#79
 Terphenyl-d14
 Concen: 94.836 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.012 min
 Lab File: BF135567.D
 Acq: 04 Oct 2023 12:53

Instrument :
 BNA_F
 ClientSampleId :
 IS2-COMP



Tgt Ion:244 Resp: 1534818
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.1 7.7
 122 12.1 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2261
 Delta R.T. -0.006 min
 Lab File: BF135567.D
 Acq: 04 Oct 2023 12:53

Tgt Ion:264 Resp: 84782
 Ion Ratio Lower Upper
 264 100
 260 26.1 19.8 29.6
 265 21.0 17.0 25.4

