

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135891.D
 Acq On : 19 Oct 2023 17:40
 Operator : CG\JU
 Sample : 04908-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Oct 19 20:06:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

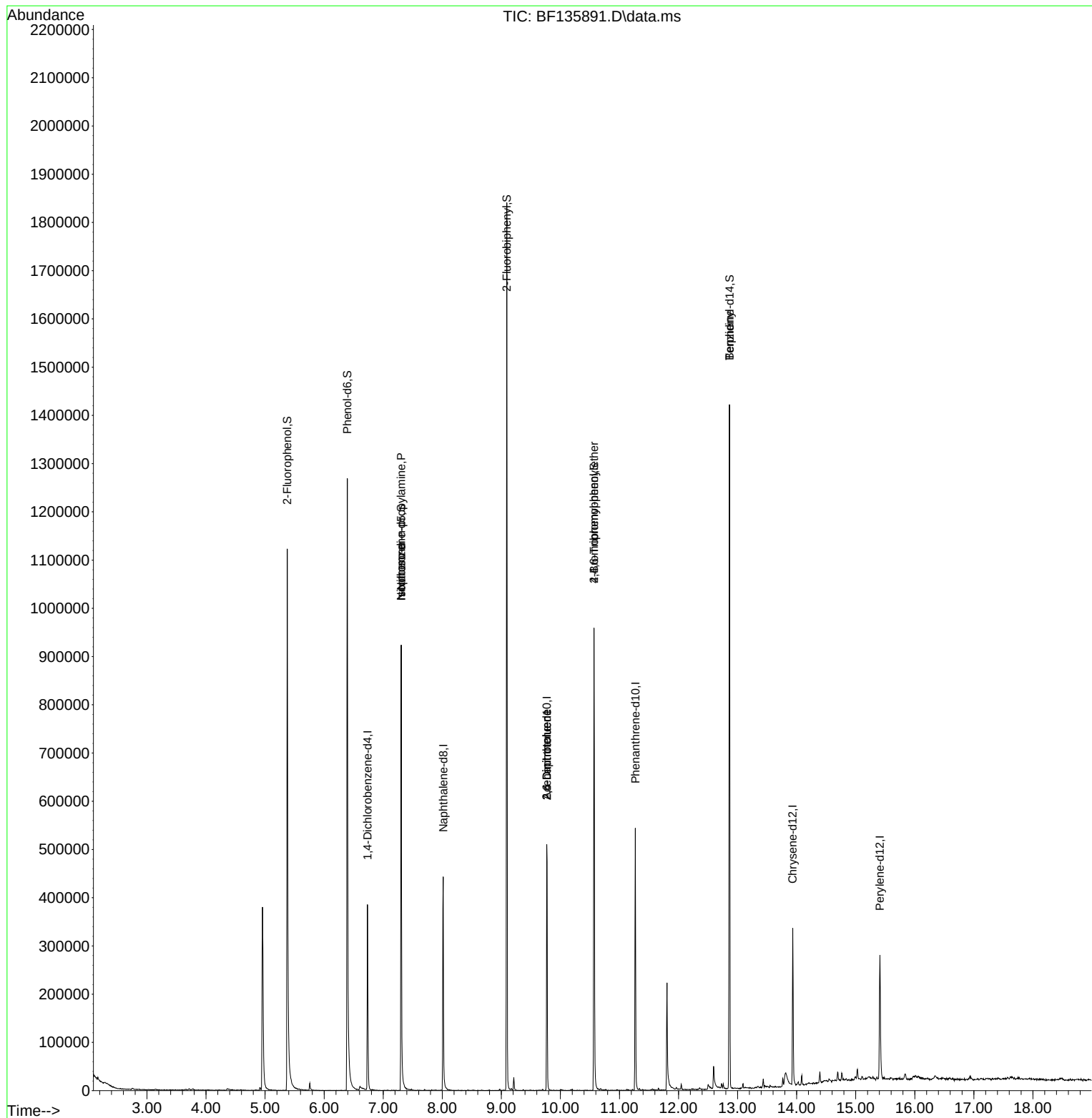
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	54682	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	206818	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	104778	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	194406	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	109802	20.000	ng	-0.02
86) Perylene-d12	15.410	264	120799	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	333283	97.991	ng	0.00
7) Phenol-d6	6.393	99	422800	99.630	ng	0.00
23) Nitrobenzene-d5	7.304	82	262363	69.770	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	115359	114.736	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	504968	75.352	ng	-0.01
79) Terphenyl-d14	12.863	244	469674	79.215	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	34469	13.136	ng	# 76
25) Isophorone	7.304	82	262363	36.983	ng	# 66
51) 2,6-Dinitrotoluene	9.769	165	13918	9.150	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	13918	7.192	ng	# 24
67) 4-Bromophenyl-phenylether	10.569	248	7167	3.673	ng	# 1
77) Benzydine	12.863	184	6093	2.543	ng	# 95

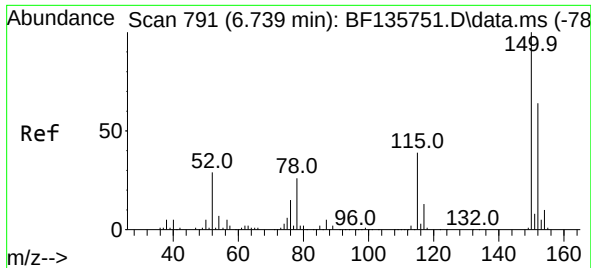
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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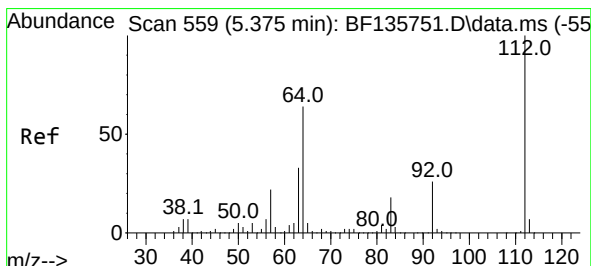
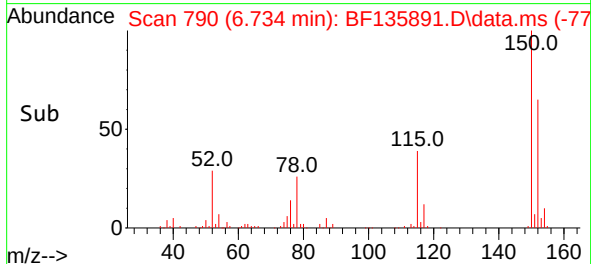
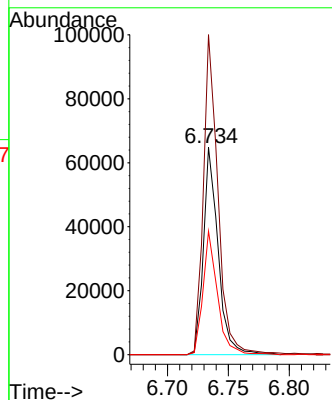
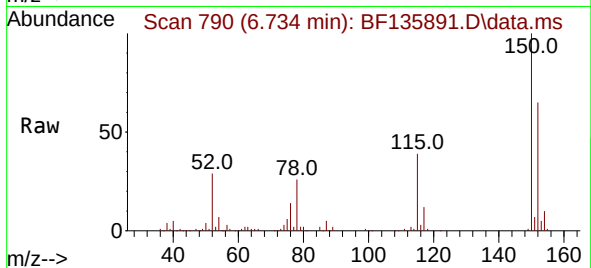




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

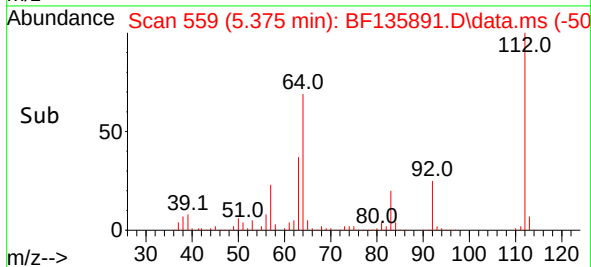
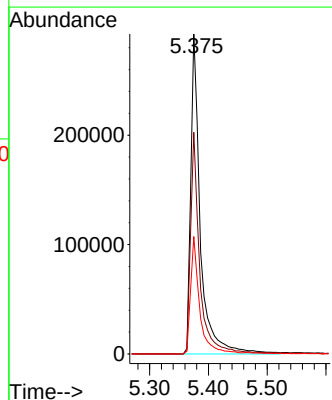
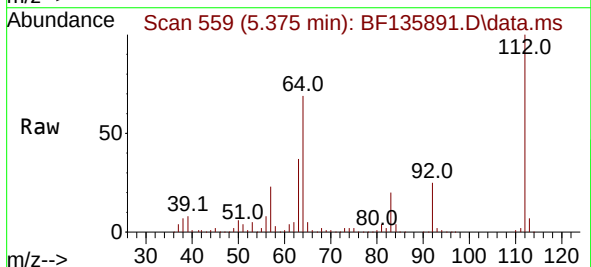
Instrument :
BNA_F
ClientSampleId :
TP-2

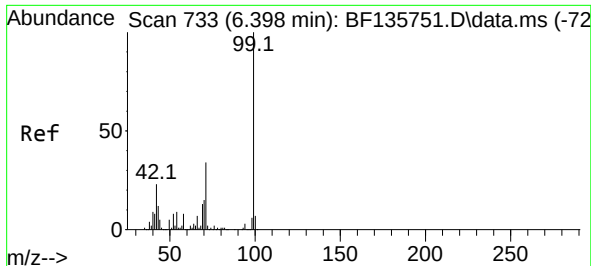
Tgt Ion:152 Resp: 54682
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 59.6 49.0 73.4



#5
2-Fluorophenol
Concen: 97.991 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

Tgt Ion:112 Resp: 333283
Ion Ratio Lower Upper
112 100
64 69.2 51.2 76.8
63 36.7 26.1 39.1

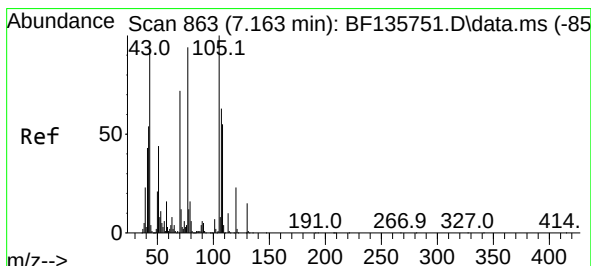
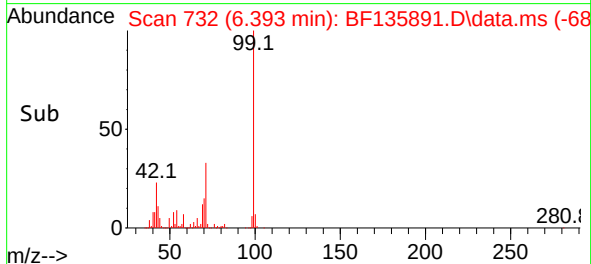
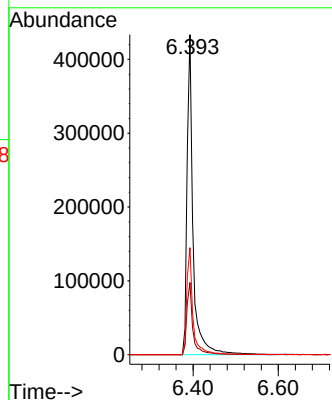
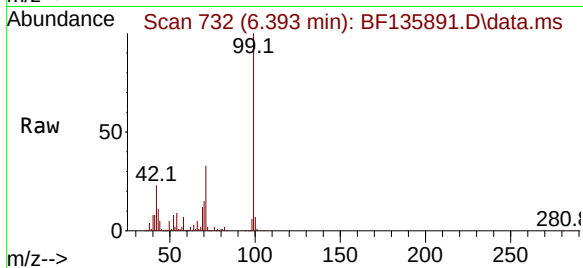




#7
Phenol-d6
Concen: 99.630 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

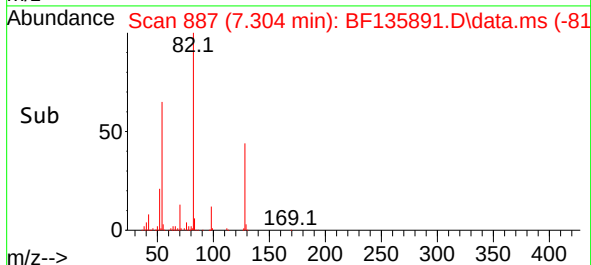
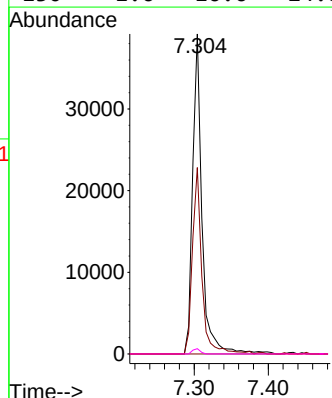
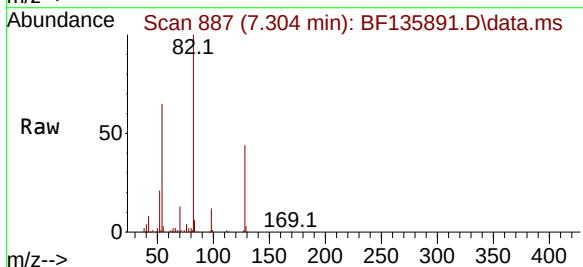
Instrument :
BNA_F
ClientSampleId :
TP-2

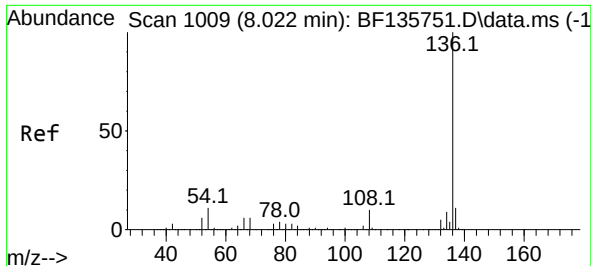
Tgt Ion: 99 Resp: 422800
Ion Ratio Lower Upper
99 100
42 22.5 18.4 27.6
71 33.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.136 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

Tgt Ion: 70 Resp: 34469
Ion Ratio Lower Upper
70 100
42 58.3 59.8 89.6#
101 0.0 7.4 11.2#
130 1.6 16.6 24.8#

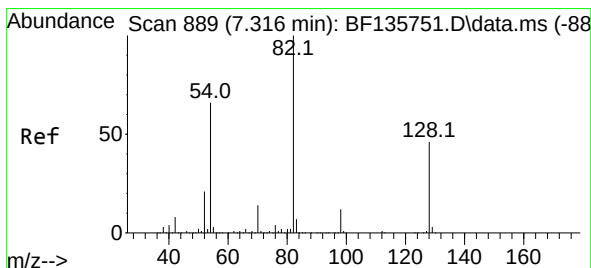
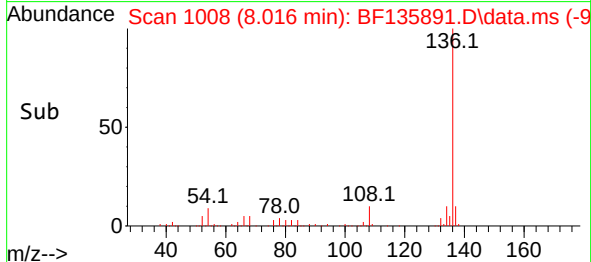
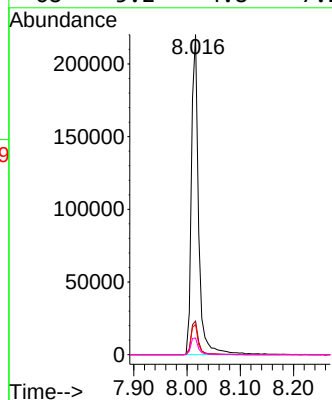
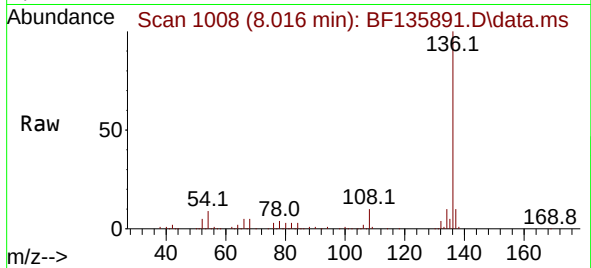




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

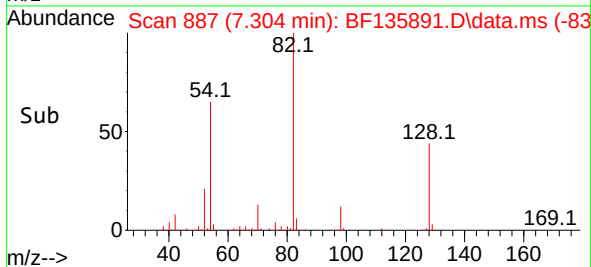
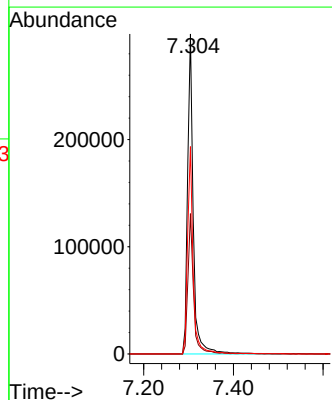
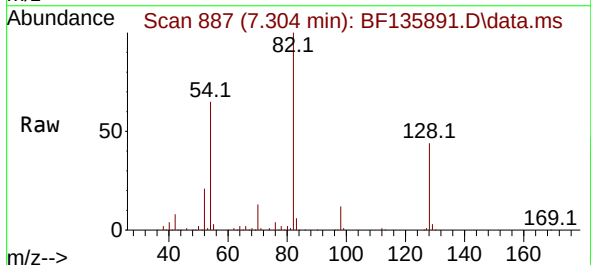
Instrument :
BNA_F
ClientSampleId :
TP-2

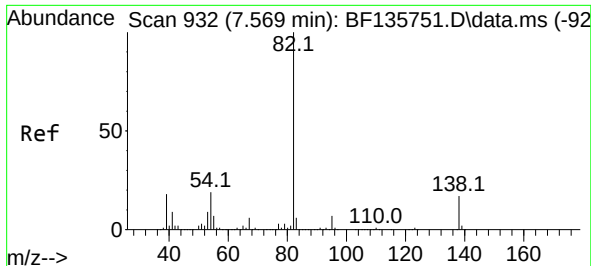
Tgt Ion:136 Resp: 206818
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 9.5 8.5 12.7
68 5.2 4.8 7.2



#23
Nitrobenzene-d5
Concen: 69.770 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

Tgt Ion: 82 Resp: 262363
Ion Ratio Lower Upper
82 100
128 43.9 37.0 55.6
54 64.8 52.8 79.2

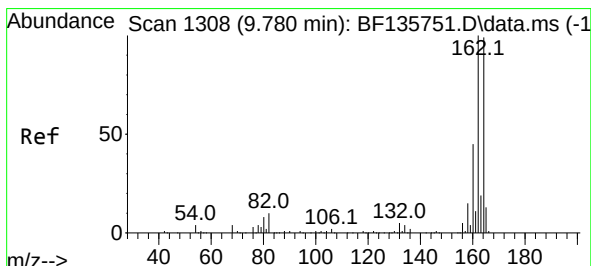
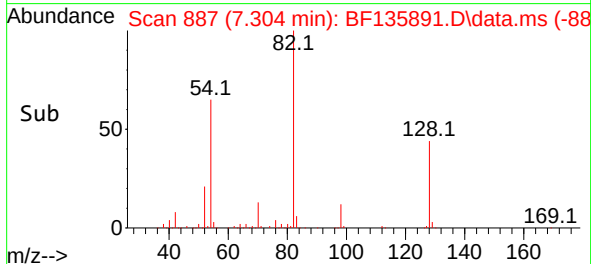
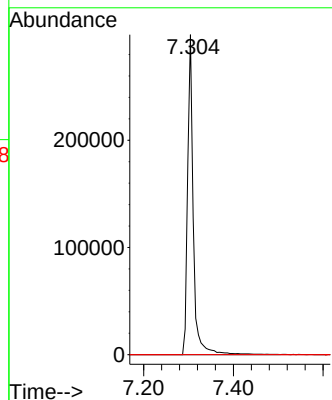
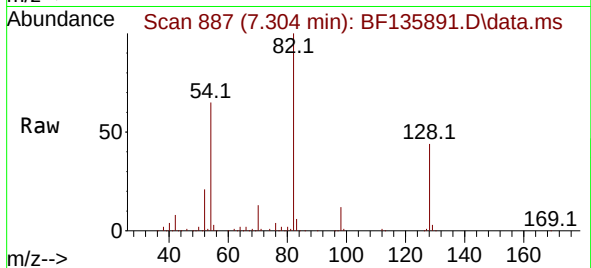




#25
Isophorone
Concen: 36.983 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

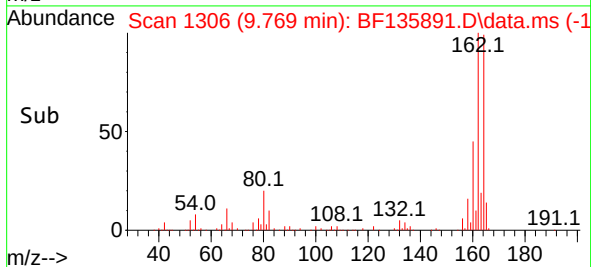
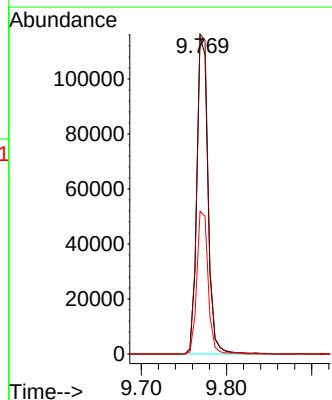
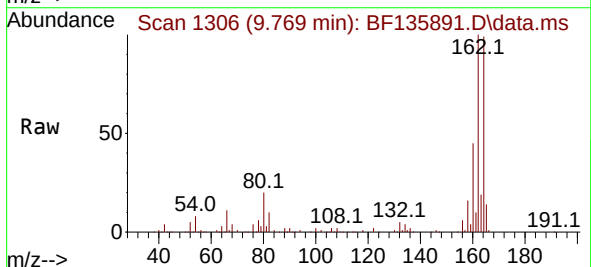
Instrument :
BNA_F
ClientSampleId :
TP-2

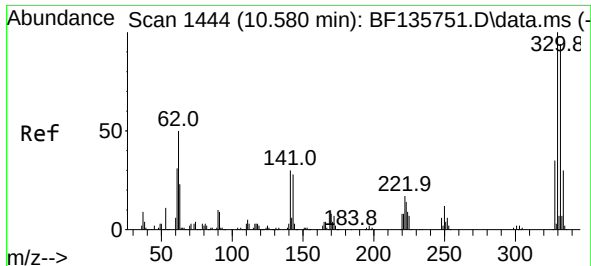
Tgt Ion: 82 Resp: 262363
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.018 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

Tgt Ion: 164 Resp: 104778
Ion Ratio Lower Upper
164 100
162 100.9 80.8 121.2
160 45.0 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 114.736 ng

RT: 10.569 min Scan# 1444

Delta R.T. -0.018 min

Lab File: BF135891.D

Acq: 19 Oct 2023 17:40

Instrument :

BNA_F

ClientSampleId :

TP-2

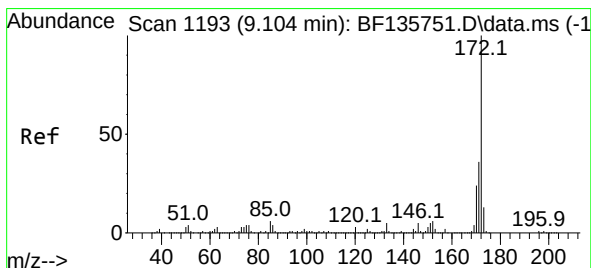
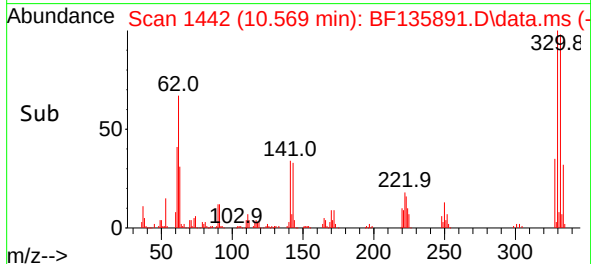
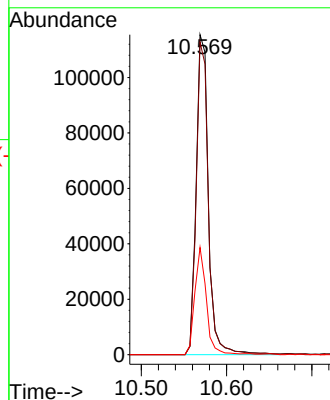
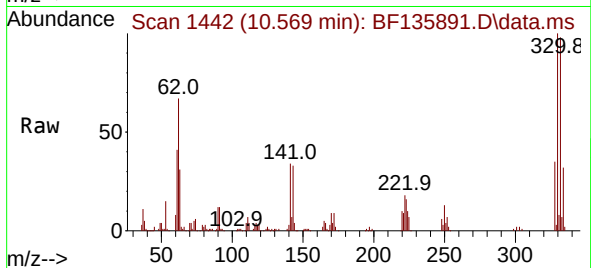
Tgt Ion:330 Resp: 115359

Ion Ratio Lower Upper

330 100

332 96.8 75.0 112.4

141 31.6 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 75.352 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135891.D

Acq: 19 Oct 2023 17:40

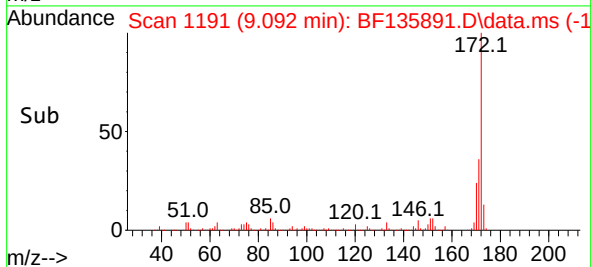
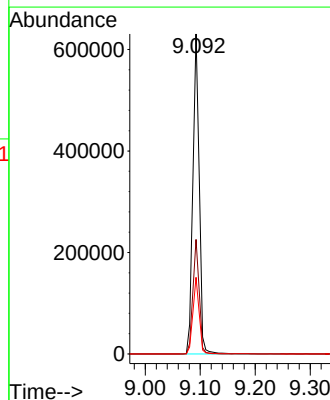
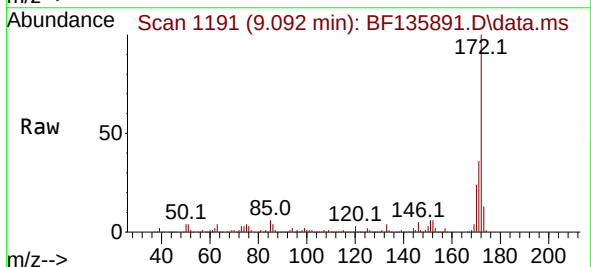
Tgt Ion:172 Resp: 504968

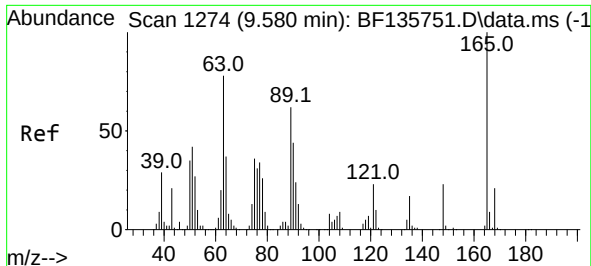
Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 24.0 18.8 28.2

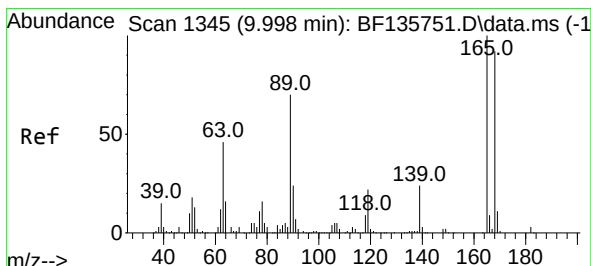
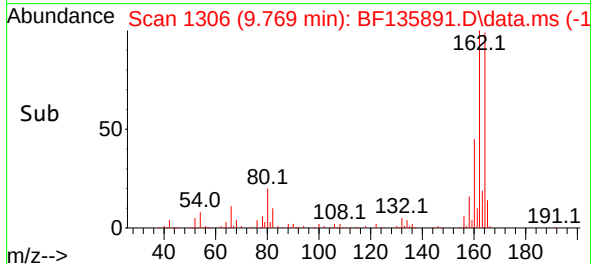
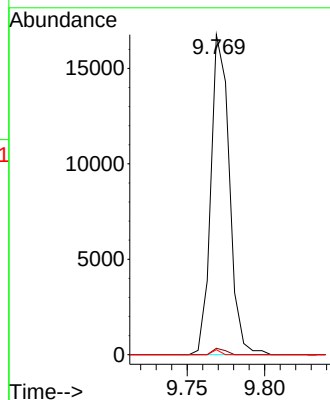
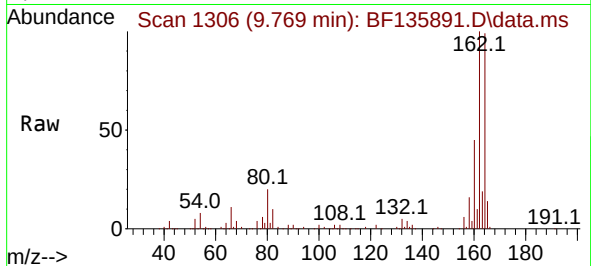




#51
2,6-Dinitrotoluene
Concen: 9.150 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

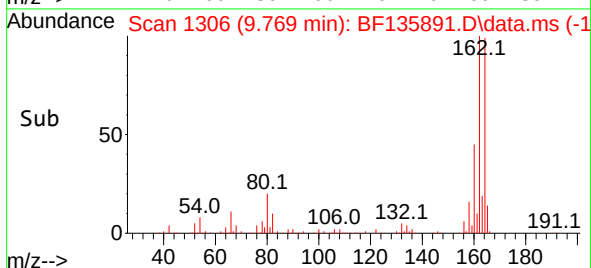
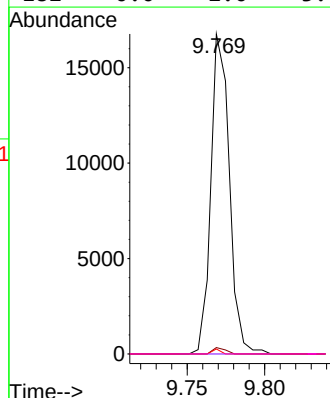
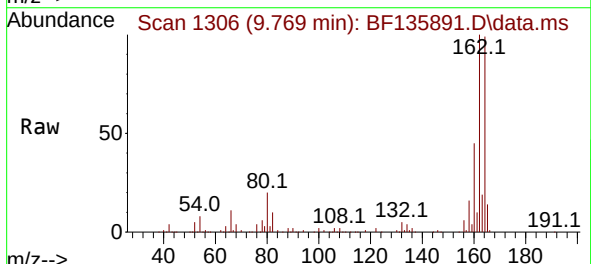
Instrument :
BNA_F
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TP-2

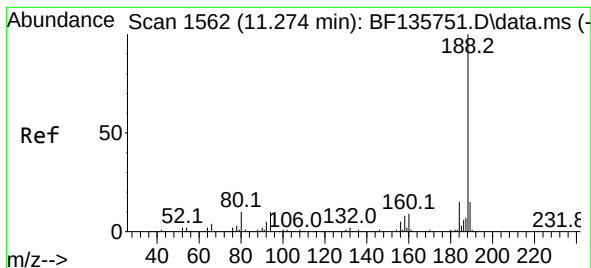
Tgt Ion:165 Resp: 13918
Ion Ratio Lower Upper
165 100
63 2.0 62.2 93.4#
89 1.6 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 7.192 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.235 min
Lab File: BF135891.D
Acq: 19 Oct 2023 17:40

Tgt Ion:165 Resp: 13918
Ion Ratio Lower Upper
165 100
63 2.0 39.0 58.4#
89 1.6 55.9 83.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135891.D

Acq: 19 Oct 2023 17:40

Instrument :

BNA_F

ClientSampleId :

TP-2

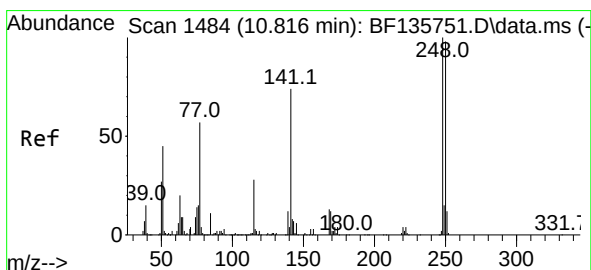
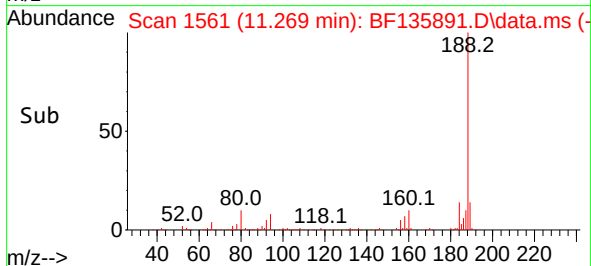
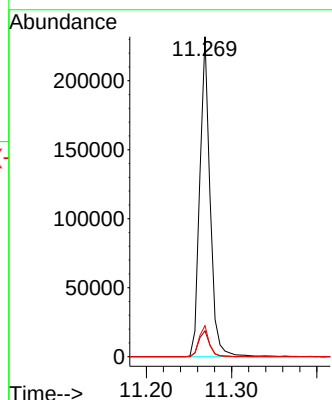
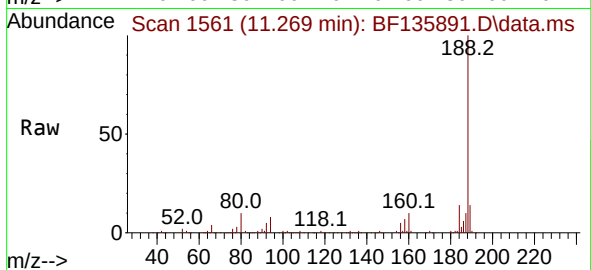
Tgt Ion:188 Resp: 194406

Ion Ratio Lower Upper

188 100

94 8.0 8.0 12.0

80 9.7 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.673 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135891.D

Acq: 19 Oct 2023 17:40

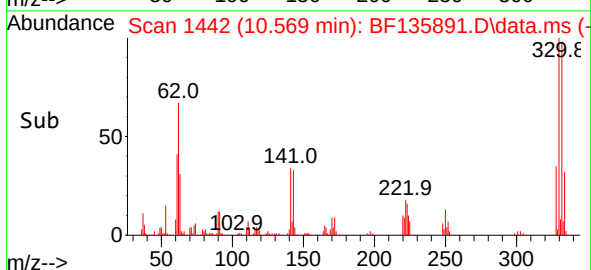
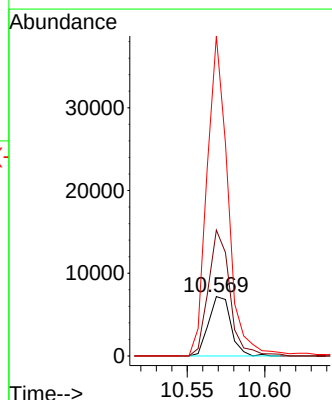
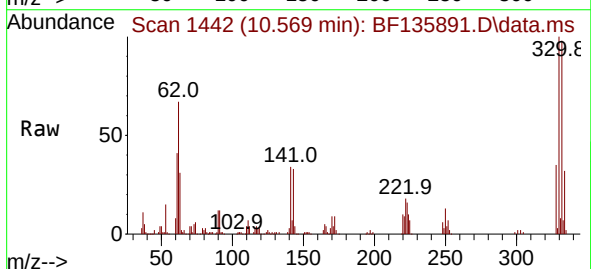
Tgt Ion:248 Resp: 7167

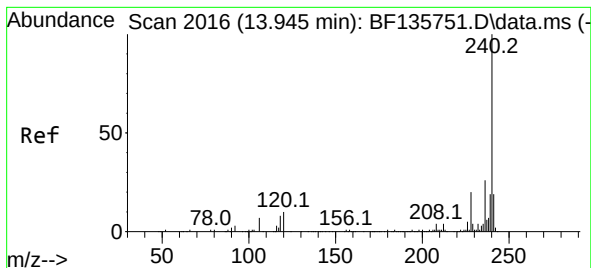
Ion Ratio Lower Upper

248 100

250 212.1 78.0 117.0#

141 538.7 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.018 min

Lab File: BF135891.D

Acq: 19 Oct 2023 17:40

Instrument :

BNA_F

ClientSampleId :

TP-2

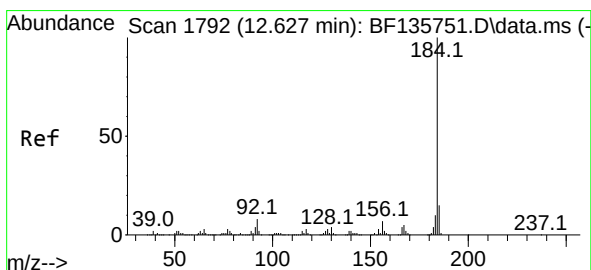
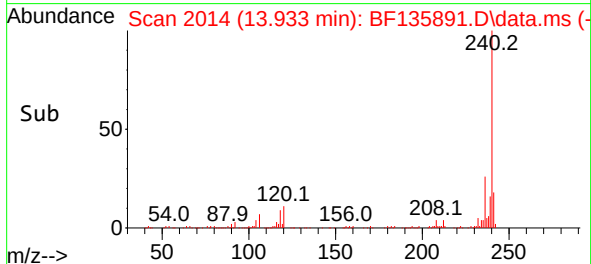
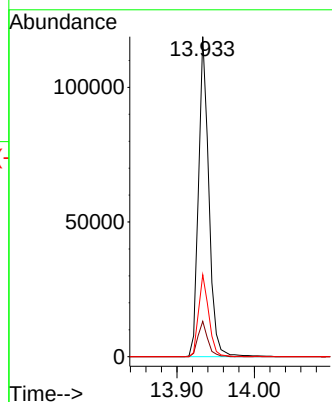
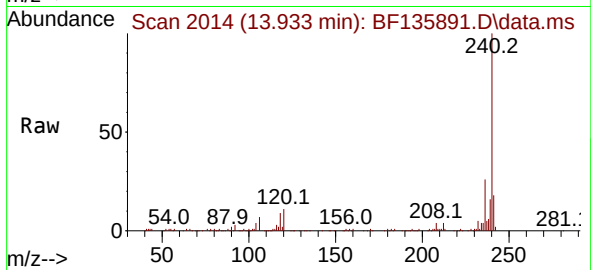
Tgt Ion:240 Resp: 109802

Ion Ratio Lower Upper

240 100

120 11.0 8.2 12.2

236 25.6 21.2 31.8



#77

Benzidine

Concen: 2.543 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.229 min

Lab File: BF135891.D

Acq: 19 Oct 2023 17:40

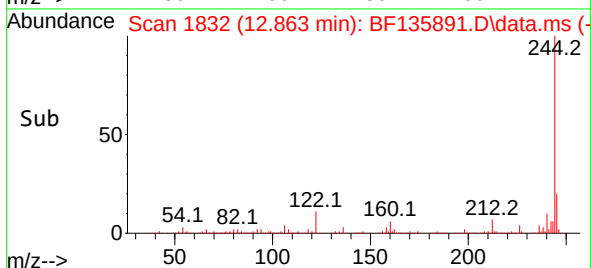
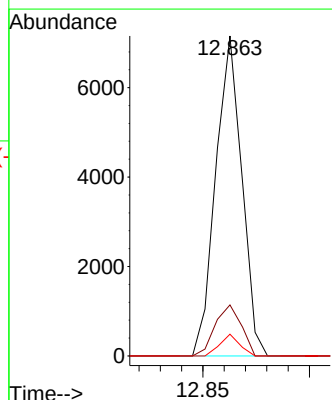
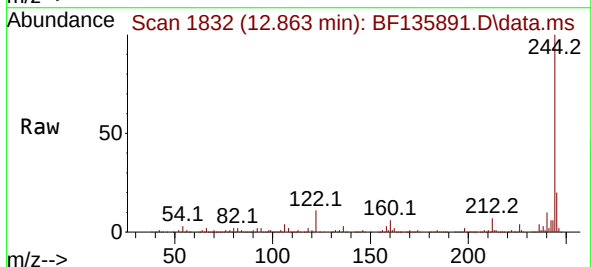
Tgt Ion:184 Resp: 6093

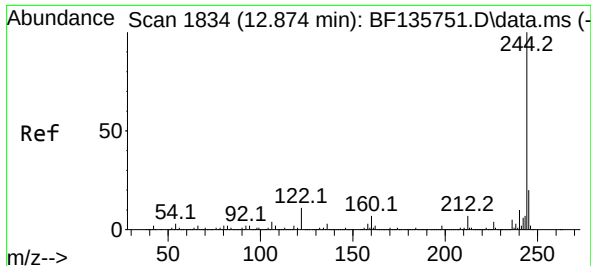
Ion Ratio Lower Upper

184 100

185 15.9 12.0 18.0

183 6.8 8.2 12.2#

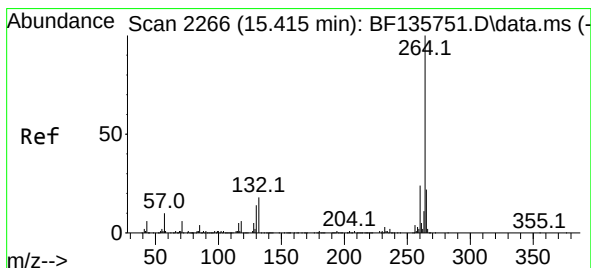
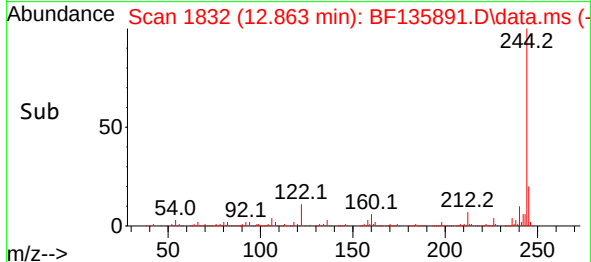
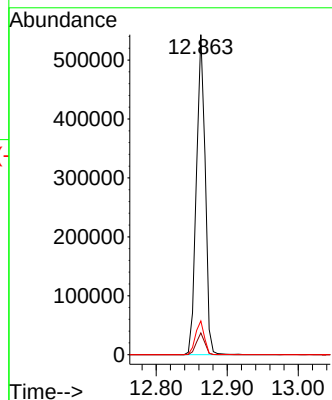
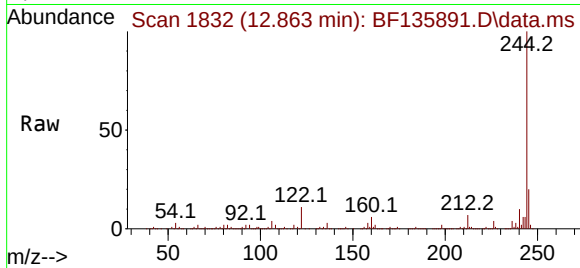




#79
 Terphenyl-d14
 Concen: 79.215 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135891.D
 Acq: 19 Oct 2023 17:40

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:244 Resp: 469674
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.6 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135891.D
 Acq: 19 Oct 2023 17:40

Tgt Ion:264 Resp: 120799
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.4 17.4 26.2

