

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135848.D
 Acq On : 18 Oct 2023 15:36
 Operator : CG\JU
 Sample : 04858-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 19:29:10 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)

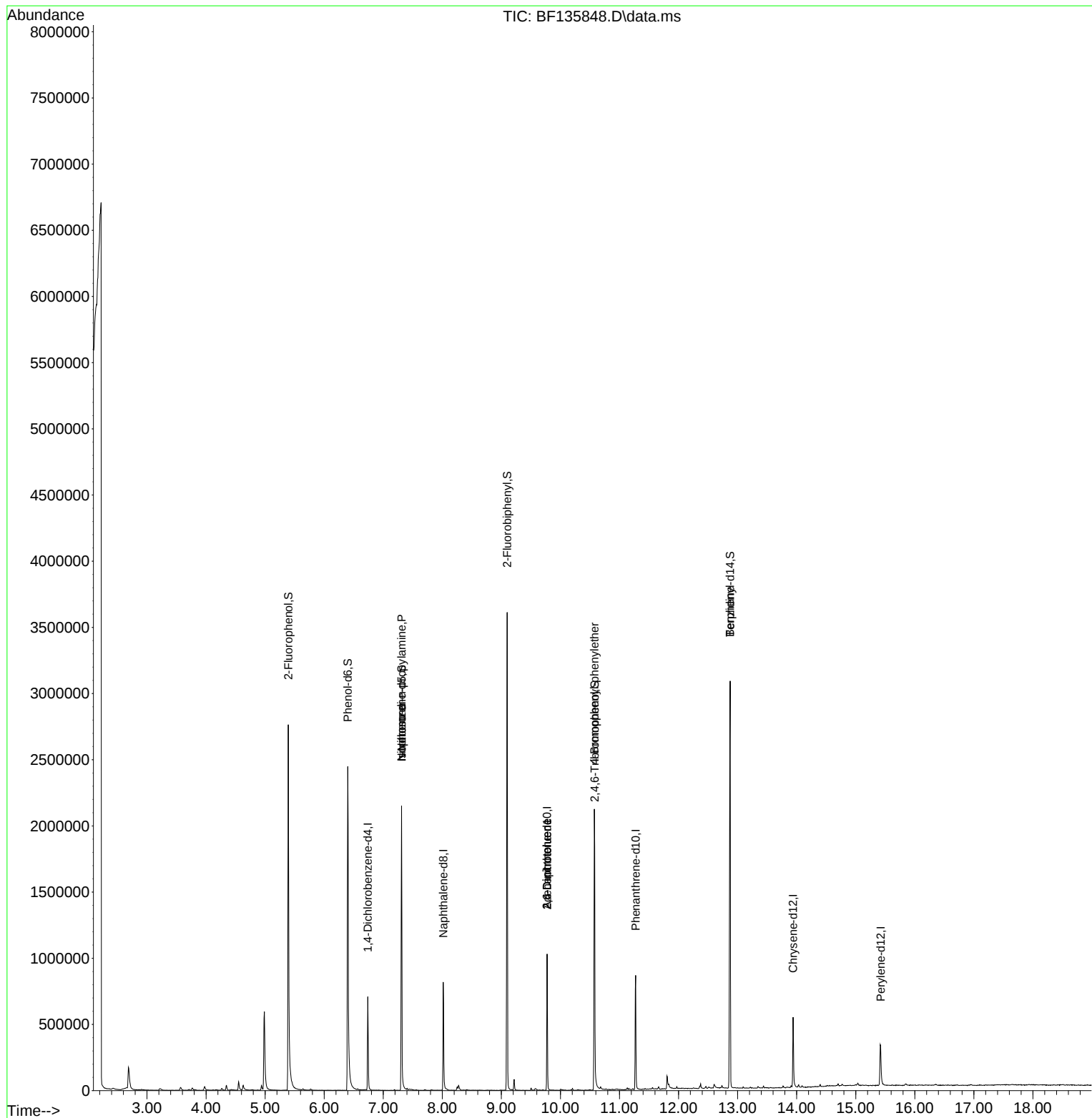
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	98459	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	368648	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	190318	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	338860	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	188494	20.000	ng	-0.01
86) Perylene-d12	15.421	264	176464	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	820720	134.017	ng	0.02
7) Phenol-d6	6.398	99	951054	124.466	ng	0.00
23) Nitrobenzene-d5	7.310	82	658959	98.311	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	290453	159.043	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1116490	91.722	ng	0.00
79) Terphenyl-d14	12.874	244	1164422	114.402	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	87901	18.605	ng	# 76
25) Isophorone	7.310	82	658959	52.111	ng	# 66
51) 2,6-Dinitrotoluene	9.774	165	24382	8.825	ng	# 16
57) 2,4-Dinitrotoluene	9.774	165	24382	6.937	ng	# 23
67) 4-Bromophenyl-phenylether	10.574	248	17990	5.289	ng	# 1
77) Benzidine	12.874	184	14211	3.455	ng	# 93

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

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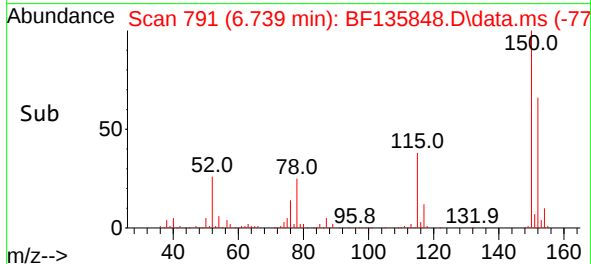
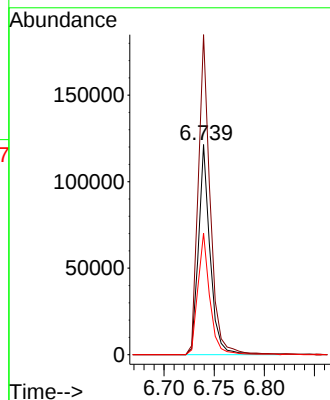
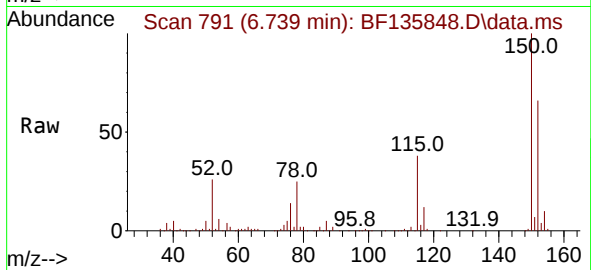




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

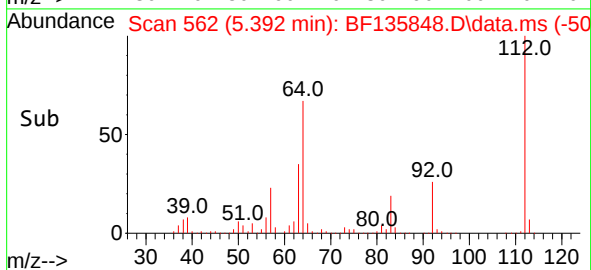
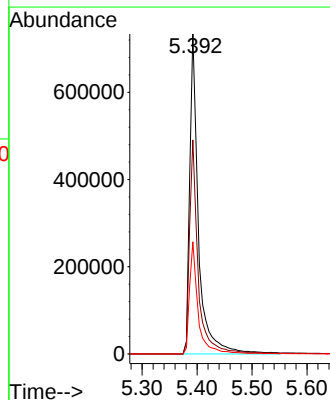
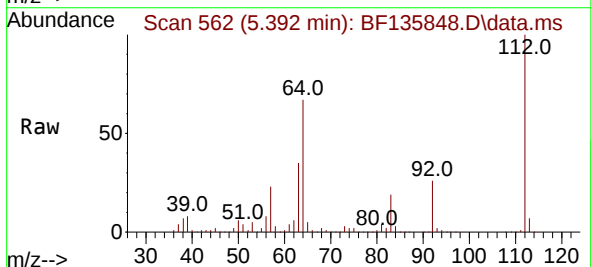
Instrument :
BNA_F
ClientSampleId :

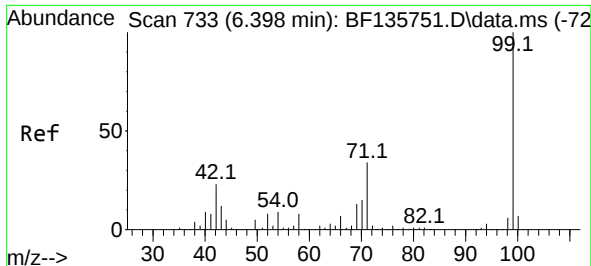
Tgt Ion:152 Resp: 98459
Ion Ratio Lower Upper
152 100
150 152.3 124.5 186.7
115 57.8 49.0 73.4



#5
2-Fluorophenol
Concen: 134.017 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.017 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

Tgt Ion:112 Resp: 820720
Ion Ratio Lower Upper
112 100
64 66.9 51.2 76.8
63 35.1 26.1 39.1

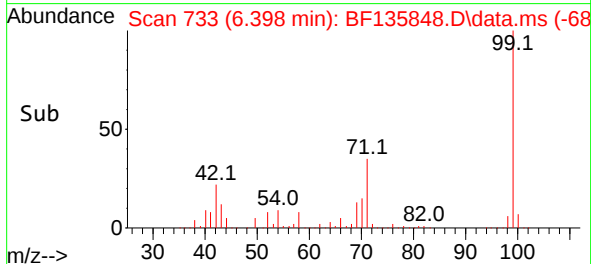
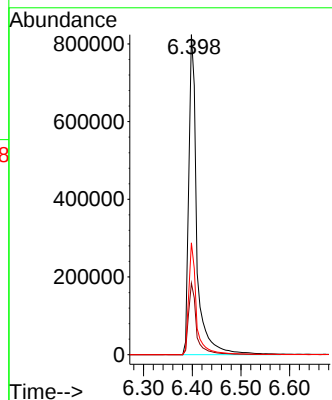
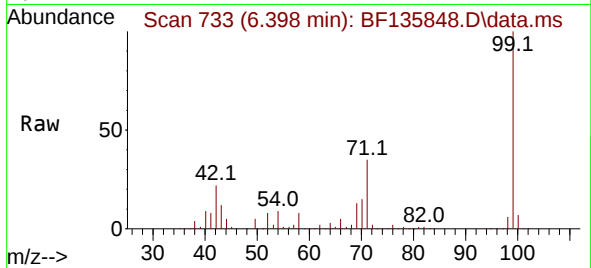




#7
Phenol-d6
Concen: 124.466 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

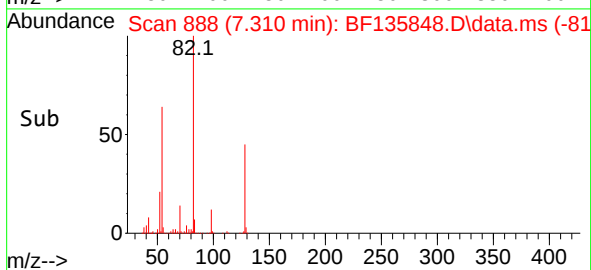
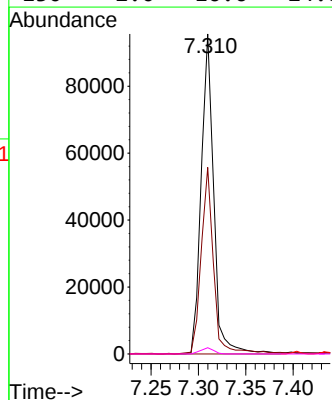
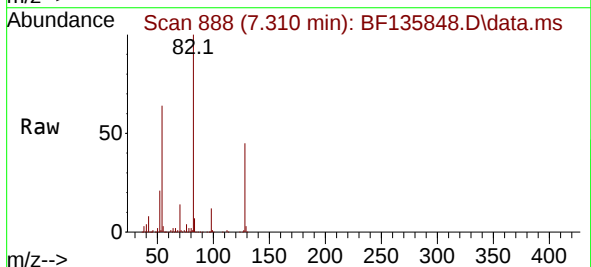
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 951054
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 35.0 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 18.605 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

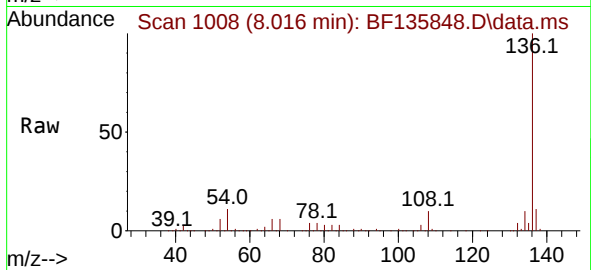
Tgt Ion: 70 Resp: 87901
Ion Ratio Lower Upper
70 100
42 58.3 59.8 89.6#
101 0.0 7.4 11.2#
130 2.0 16.6 24.8#



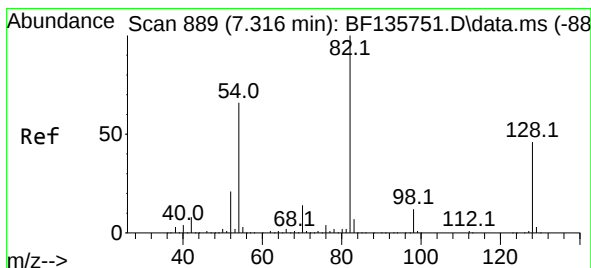
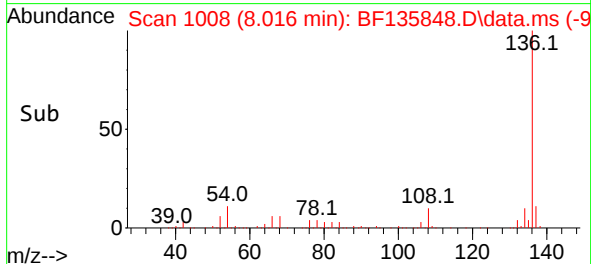
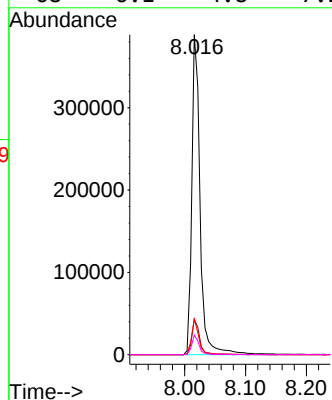


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

Instrument :
BNA_F
ClientSampleId :

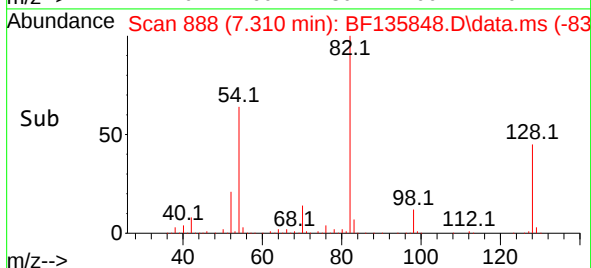
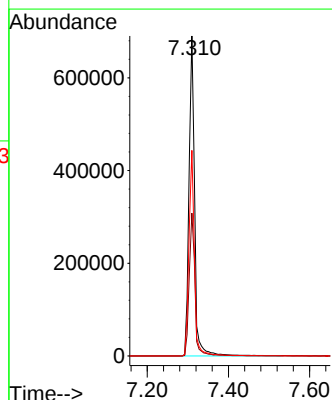
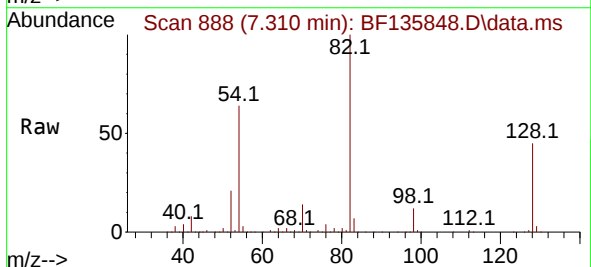


Tgt Ion:136 Resp: 368648
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 11.1 8.5 12.7
68 6.1 4.8 7.2



#23
Nitrobenzene-d5
Concen: 98.311 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

Tgt Ion: 82 Resp: 658959
Ion Ratio Lower Upper
82 100
128 44.6 37.0 55.6
54 64.2 52.8 79.2

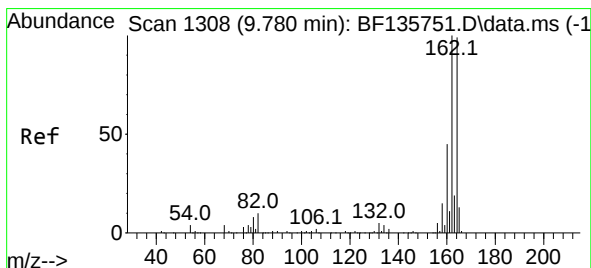
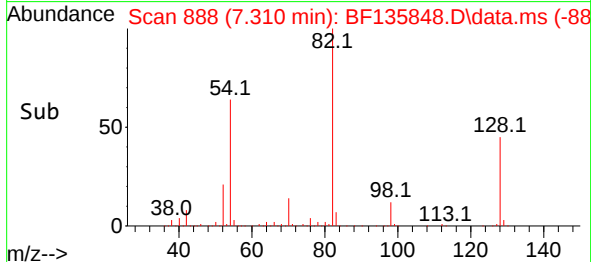
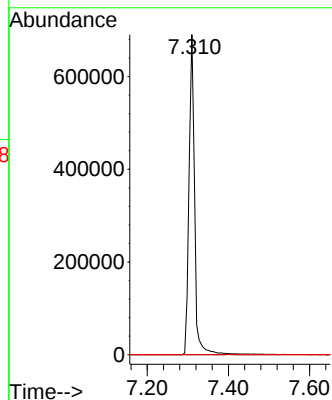
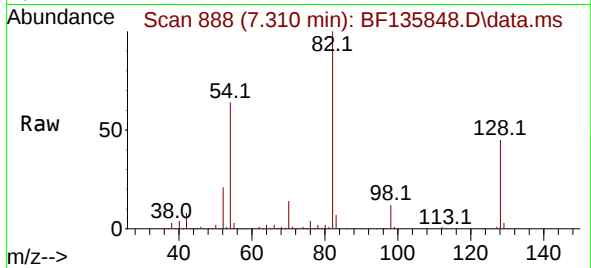




#25
Isophorone
Concen: 52.111 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

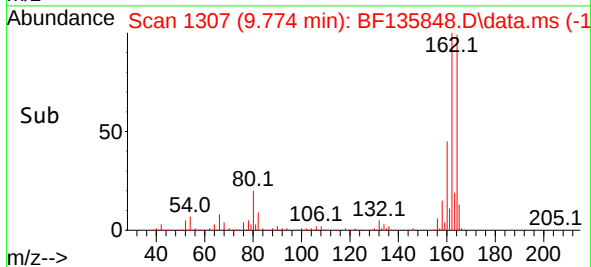
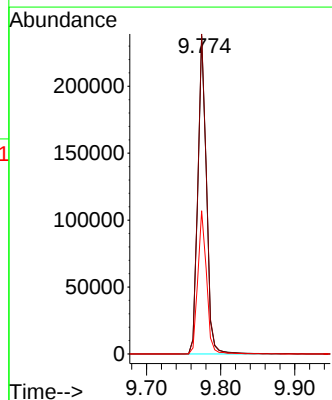
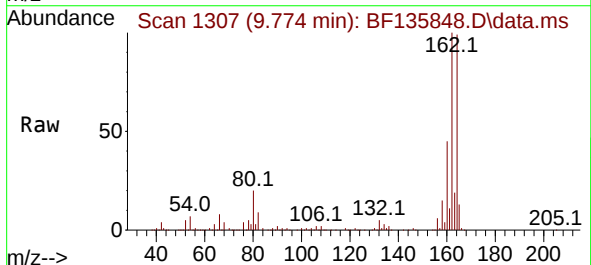
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 658959
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: 9.774 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

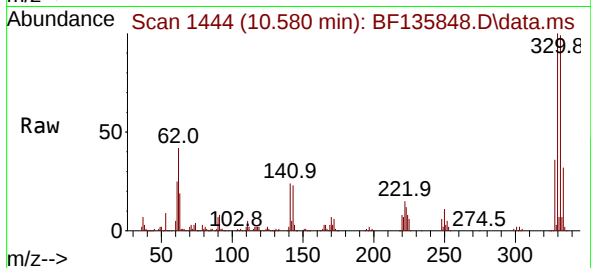
Tgt Ion:164 Resp: 190318
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 45.1 36.6 54.8



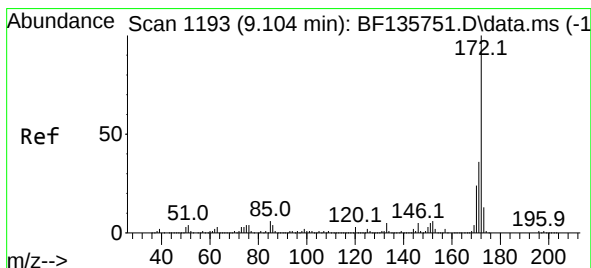
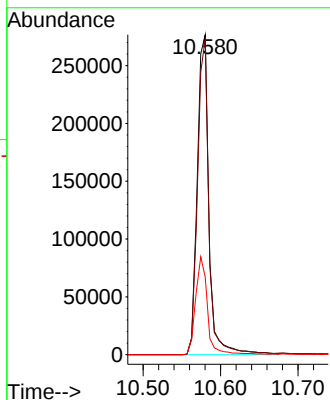
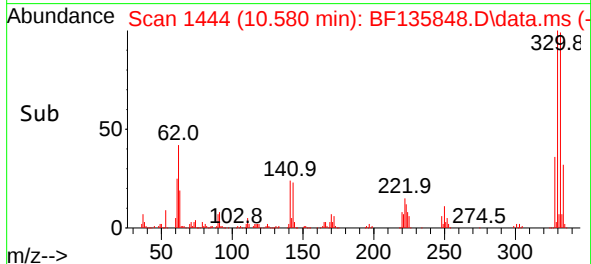


#42
2,4,6-Tribromophenol
Concen: 159.043 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36

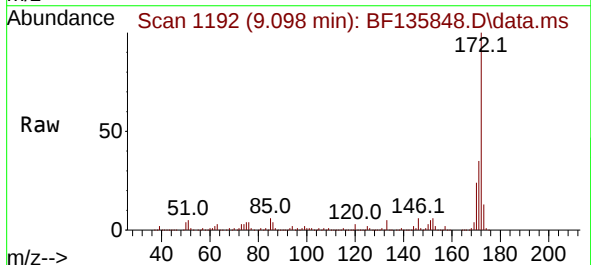
Instrument :
BNA_F
ClientSampleId :



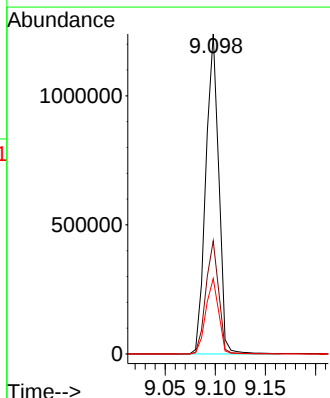
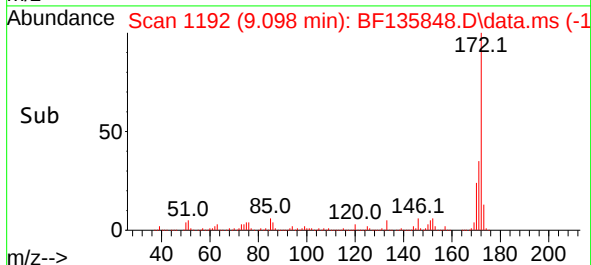
Tgt Ion:330 Resp: 290453
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.4
141 31.2 25.8 38.6

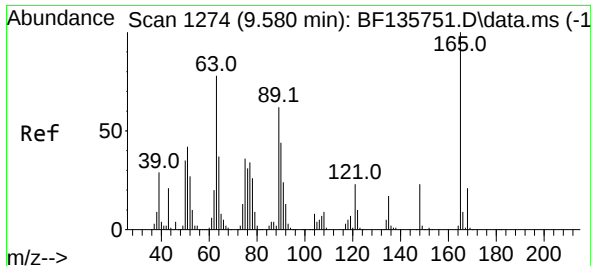


#45
2-Fluorobiphenyl
Concen: 91.722 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF135848.D
Acq: 18 Oct 2023 15:36



Tgt Ion:172 Resp: 1116490
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.5 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.825 ng

RT: 9.774 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Instrument :

BNA_F

ClientSampleId :

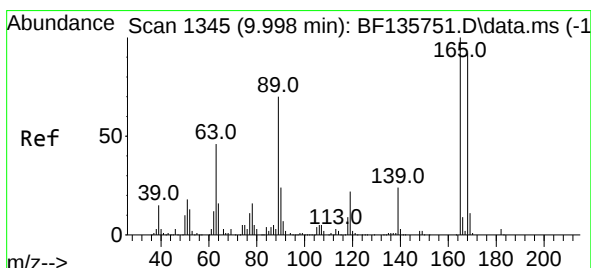
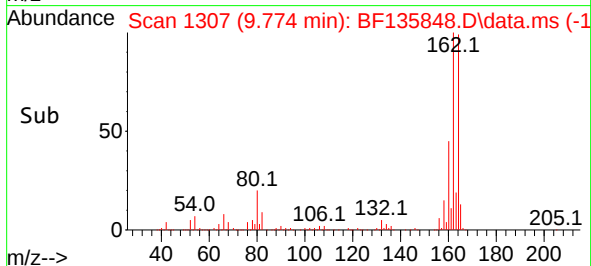
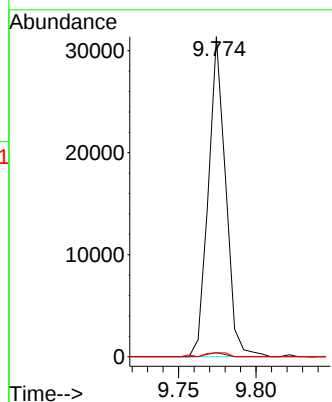
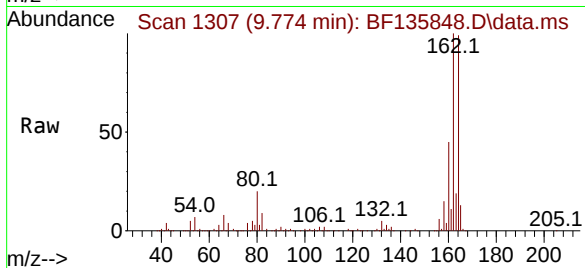
Tgt Ion:165 Resp: 24382

Ion Ratio Lower Upper

165 100

63 1.2 62.2 93.4#

89 1.2 49.6 74.4#



#57

2,4-Dinitrotoluene

Concen: 6.937 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.230 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Tgt Ion:165 Resp: 24382

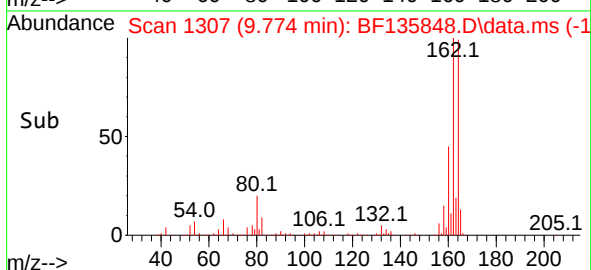
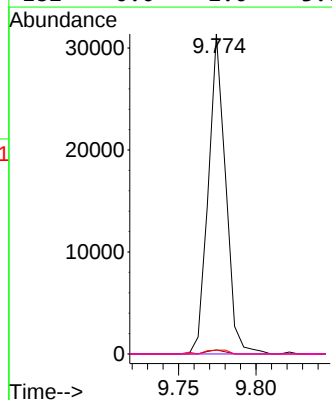
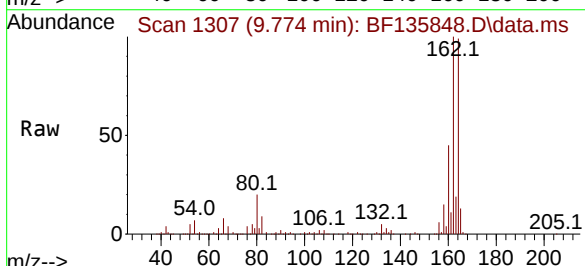
Ion Ratio Lower Upper

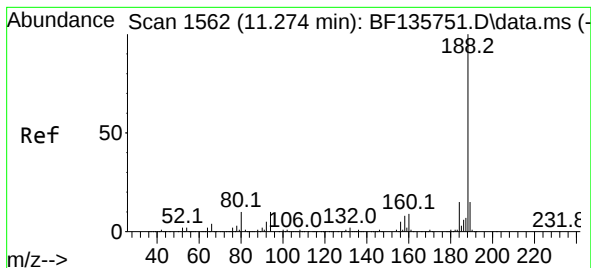
165 100

63 1.2 39.0 58.4#

89 1.2 55.9 83.9#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 11

Delta R.T. -0.006 min

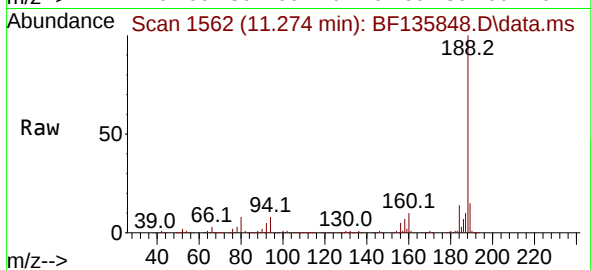
Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Instrument :

BNA_F

ClientSampleId :



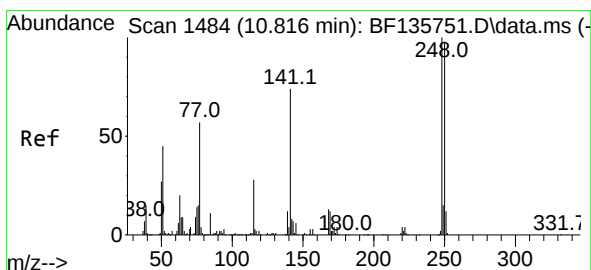
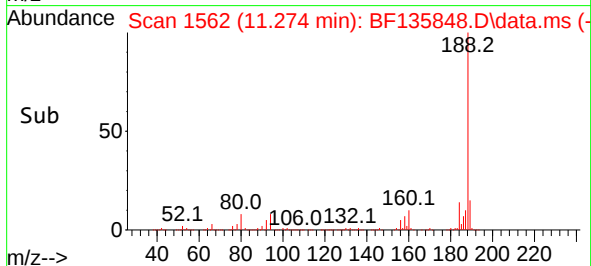
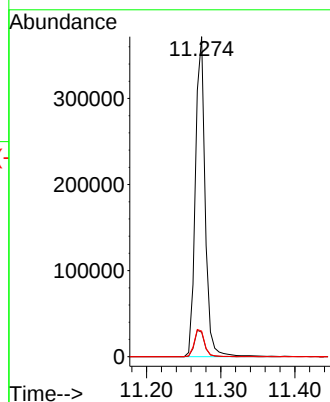
Tgt Ion:188 Resp: 338860

Ion Ratio Lower Upper

188 100

94 7.7 8.0 12.0#

80 8.0 8.3 12.5#



#67

4-Bromophenyl-phenylether

Concen: 5.289 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.247 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

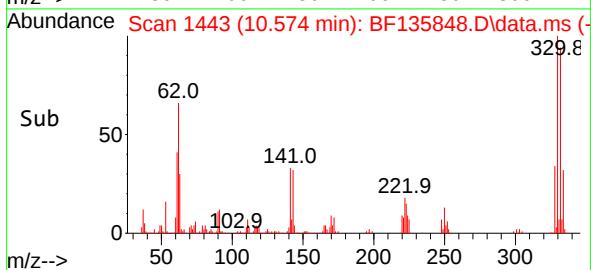
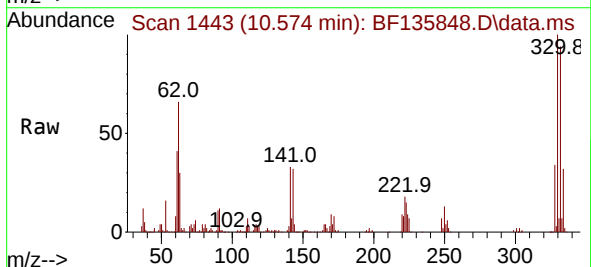
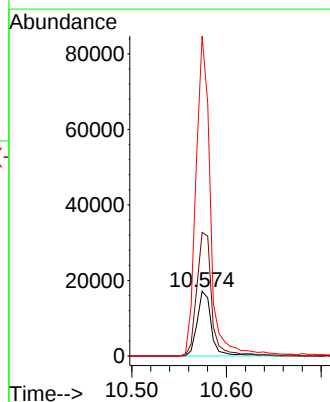
Tgt Ion:248 Resp: 17990

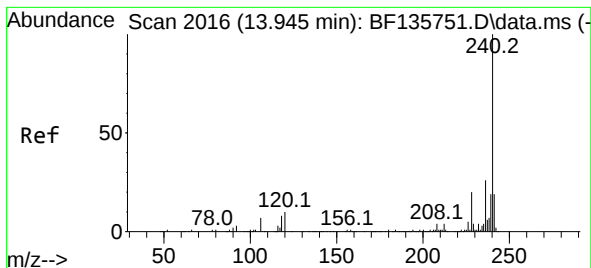
Ion Ratio Lower Upper

248 100

250 191.2 78.0 117.0#

141 495.2 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

Instrument :

BNA_F

ClientSampleId :

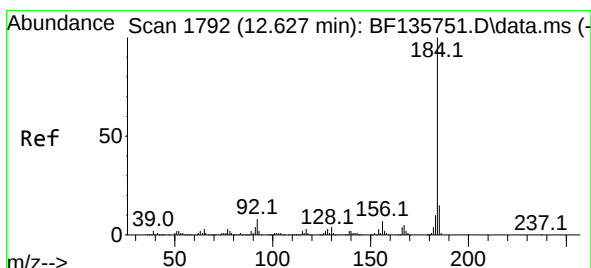
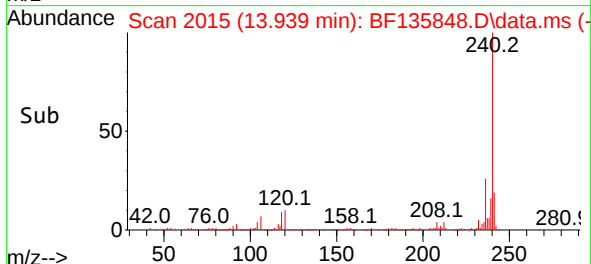
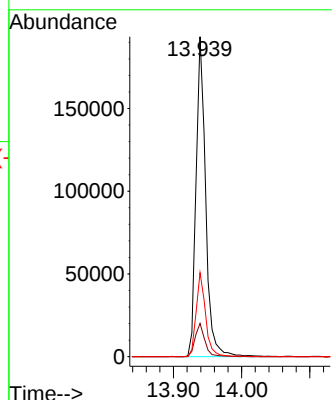
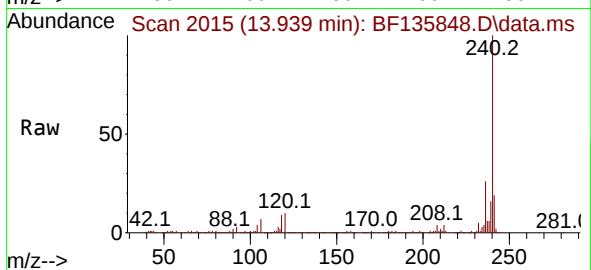
Tgt Ion:240 Resp: 188494

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 26.3 21.2 31.8



#77

Benzidine

Concen: 3.455 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.241 min

Lab File: BF135848.D

Acq: 18 Oct 2023 15:36

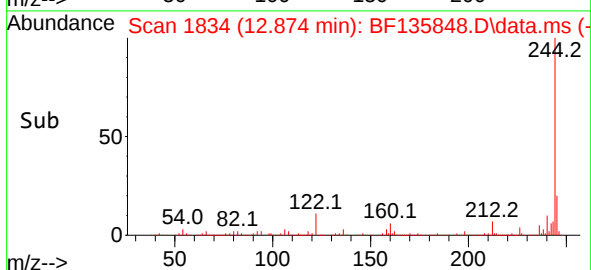
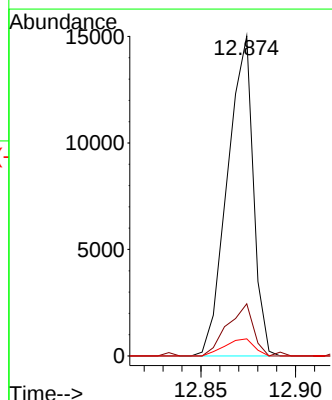
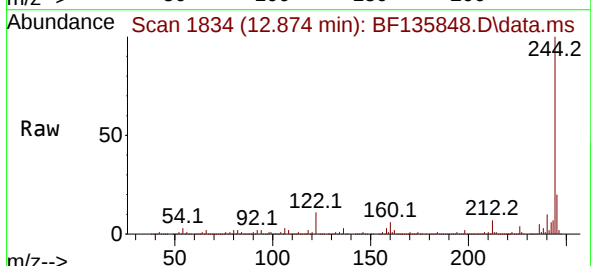
Tgt Ion:184 Resp: 14211

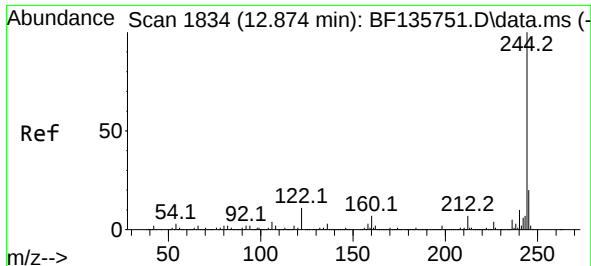
Ion Ratio Lower Upper

184 100

185 16.3 12.0 18.0

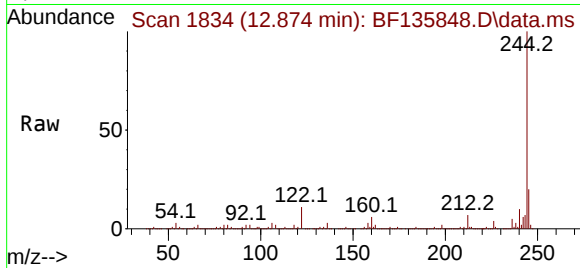
183 5.3 8.2 12.2#



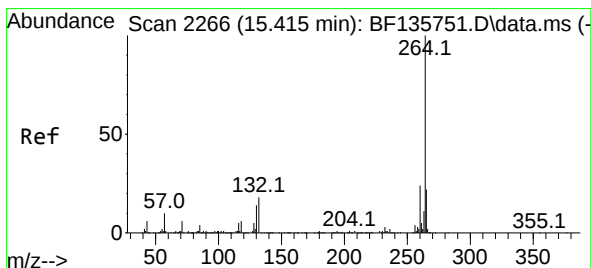
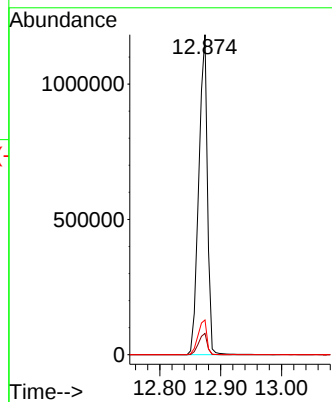
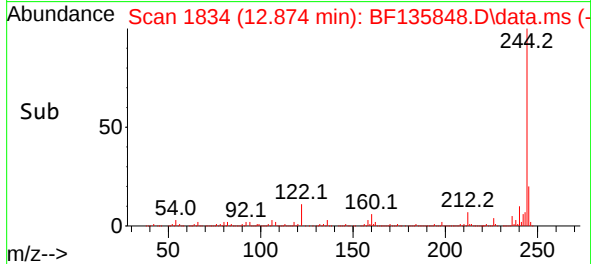


#79
 Terphenyl-d14
 Concen: 114.402 ng
 RT: 12.874 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135848.D
 Acq: 18 Oct 2023 15:36

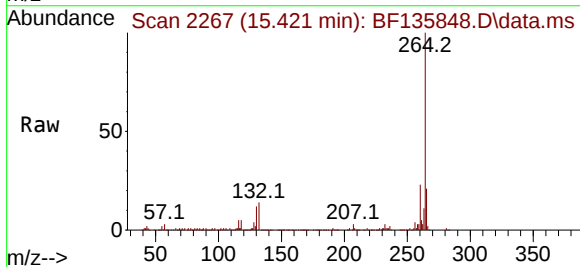
Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 1164422
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.8 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. -0.000 min
 Lab File: BF135848.D
 Acq: 18 Oct 2023 15:36



Tgt Ion:264 Resp: 176464
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 21.5 17.4 26.2

