

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101023\
 Data File : BF135698.D
 Acq On : 10 Oct 2023 22:10
 Operator : CG\JU
 Sample : 04731-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTP-1

Quant Time: Oct 11 03:05:31 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 11 02:43:17 2023
 Response via : Initial Calibration

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

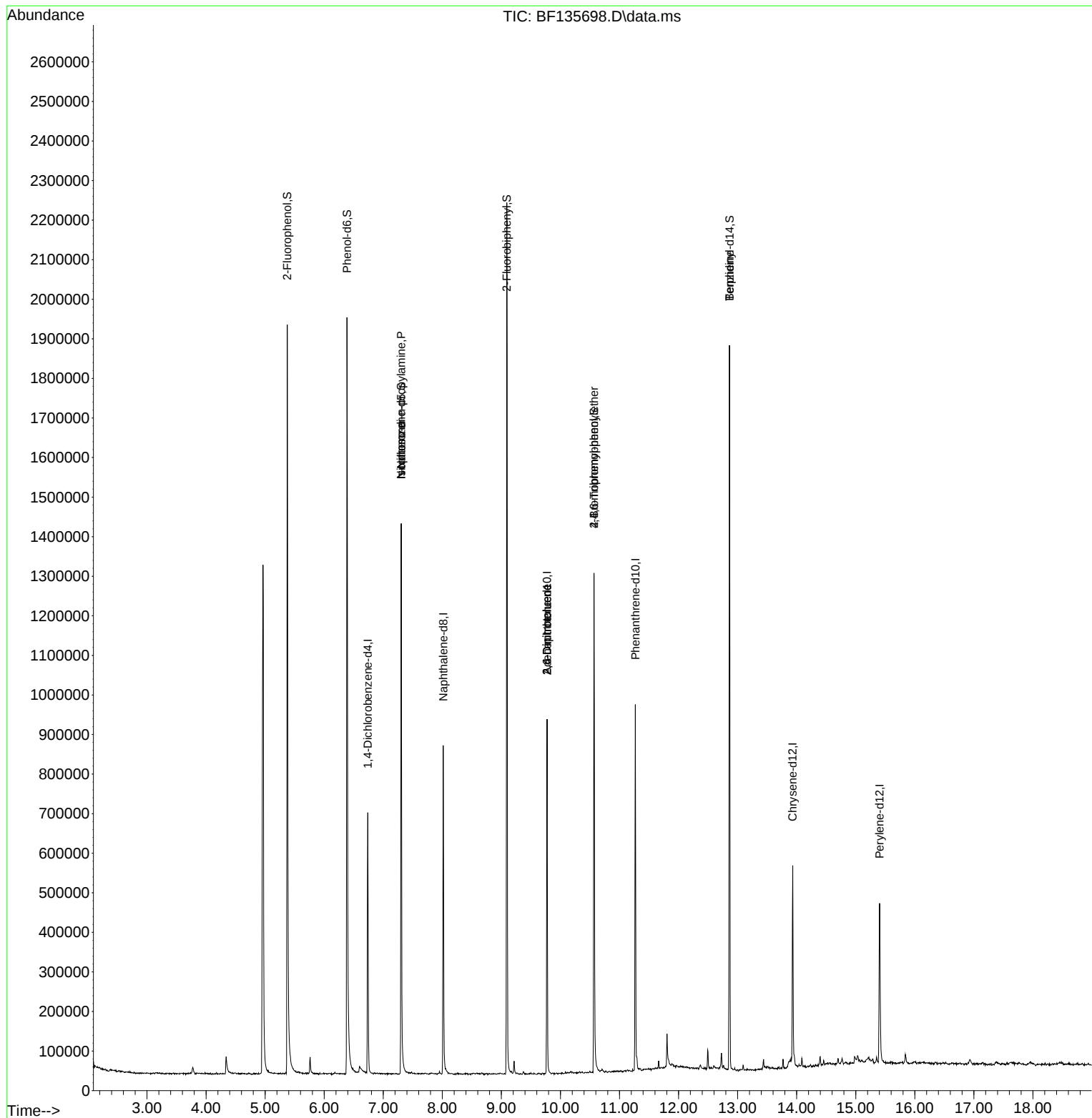
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	98907	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	363314	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	175985	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	324618	20.000	ng	0.00
76) Chrysene-d12	13.933	240	167005	20.000	ng	0.00
86) Perylene-d12	15.404	264	198508	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	546260	89.828	ng	0.00
7) Phenol-d6	6.386	99	675166	87.315	ng	0.00
23) Nitrobenzene-d5	7.304	82	411736	61.570	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	150449	86.027	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	704949	60.435	ng	0.00
79) Terphenyl-d14	12.863	244	601686	55.850	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	54595	11.399	ng	Qvalue 77
25) Isophorone	7.304	82	411736	33.530	ng	# 65
51) 2,6-Dinitrotoluene	9.774	165	22158	8.501	ng	# 17
57) 2,4-Dinitrotoluene	9.774	165	22158	6.790	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	9468	2.933	ng	# 1
77) Benzidine	12.863	184	7316	2.138	ng	# 91

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

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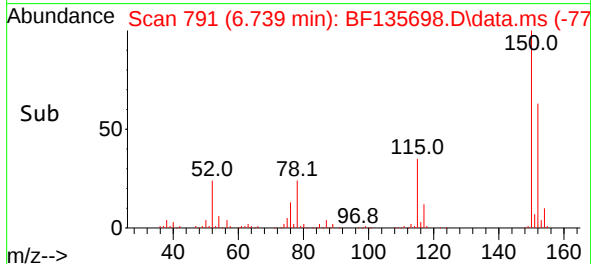
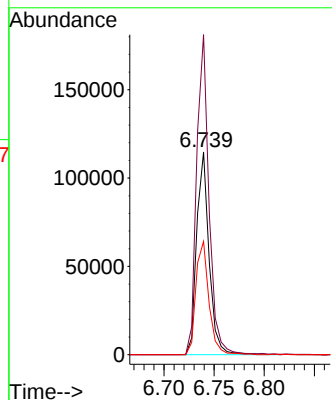
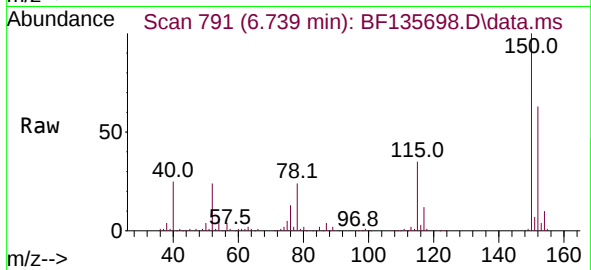




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

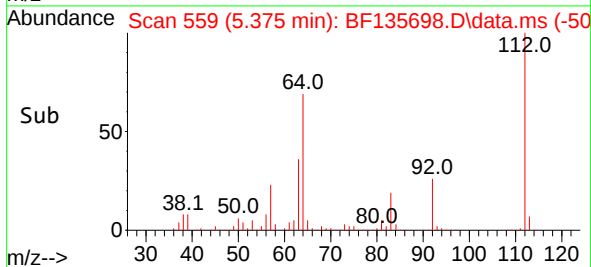
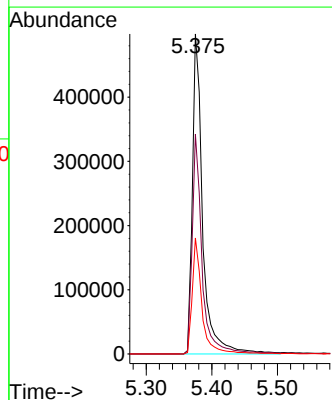
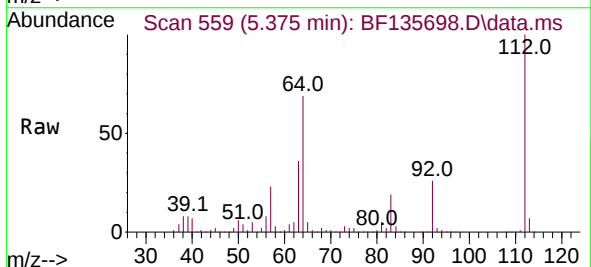
Instrument :
BNA_F
ClientSampleId :
DTP-1

Tgt Ion:152 Resp: 98907
Ion Ratio Lower Upper
152 100
150 157.9 127.8 191.6
115 55.9 49.8 74.8



#5
2-Fluorophenol
Concen: 89.828 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

Tgt Ion:112 Resp: 546260
Ion Ratio Lower Upper
112 100
64 68.7 55.9 83.9
63 36.2 29.0 43.6

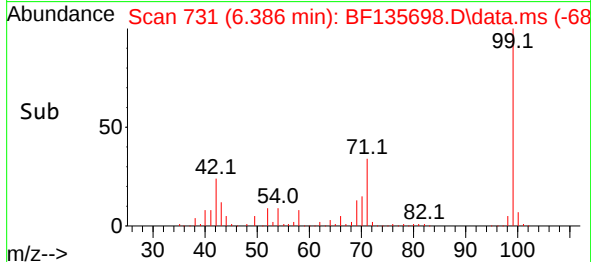
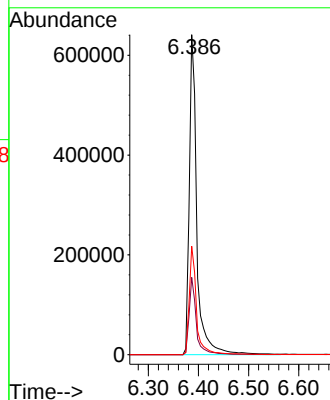
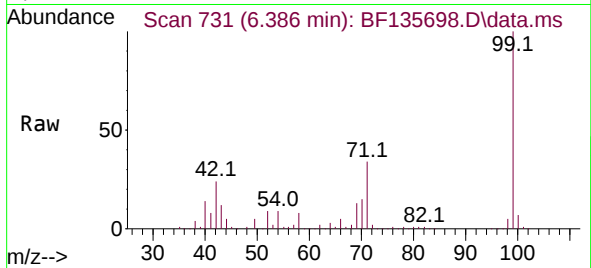




#7
Phenol-d6
Concen: 87.315 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

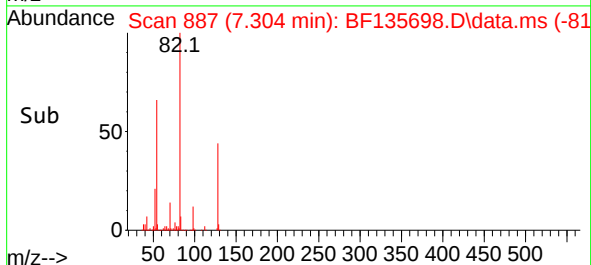
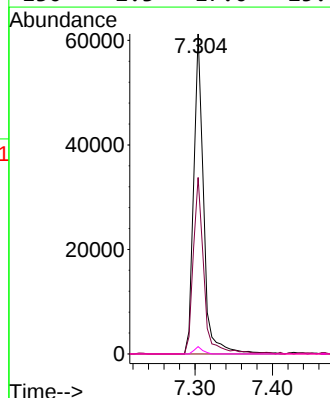
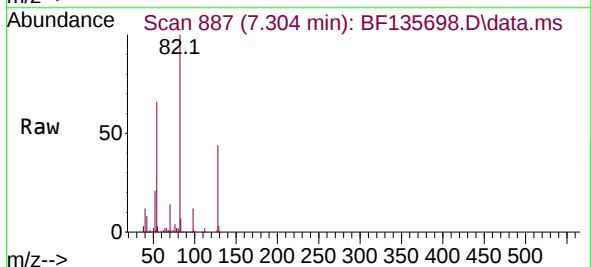
Instrument :
BNA_F
ClientSampleId :
DTP-1

Tgt Ion: 99 Resp: 675166
Ion Ratio Lower Upper
99 100
42 24.1 17.9 26.9
71 33.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.399 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

Tgt Ion: 70 Resp: 54595
Ion Ratio Lower Upper
70 100
42 55.2 55.4 83.0#
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#

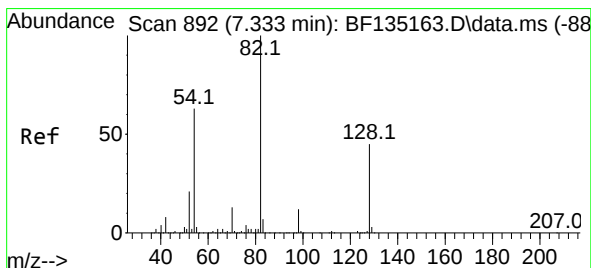
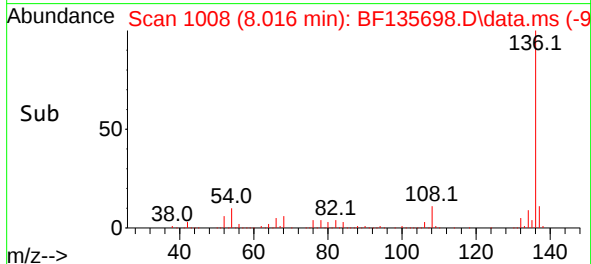
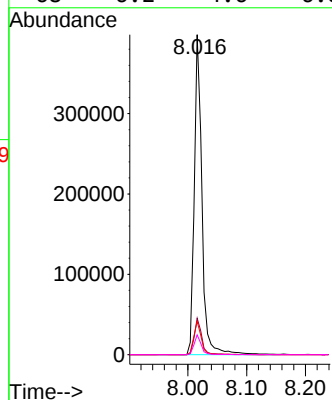
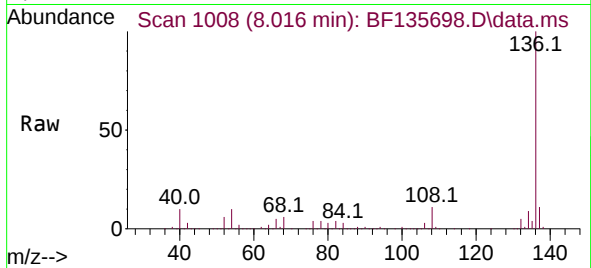




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

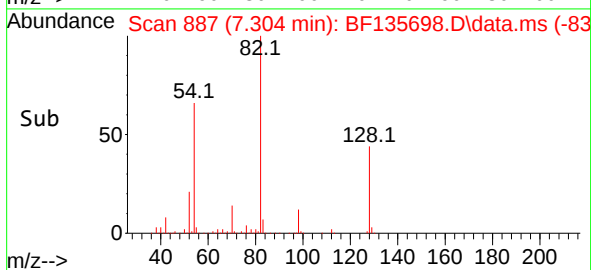
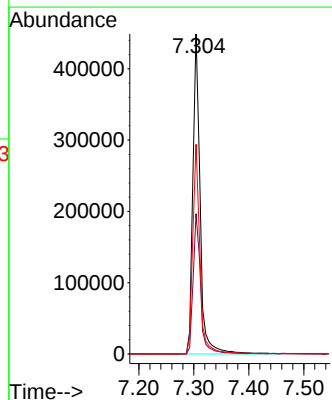
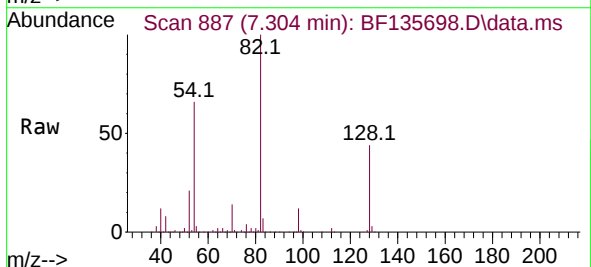
Instrument :
BNA_F
ClientSampleId :
DTP-1

Tgt Ion:136 Resp: 363314
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 10.4 7.7 11.5
68 6.2 4.6 6.8



#23
Nitrobenzene-d5
Concen: 61.570 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

Tgt Ion: 82 Resp: 411736
Ion Ratio Lower Upper
82 100
128 43.8 35.8 53.6
54 65.6 50.6 76.0

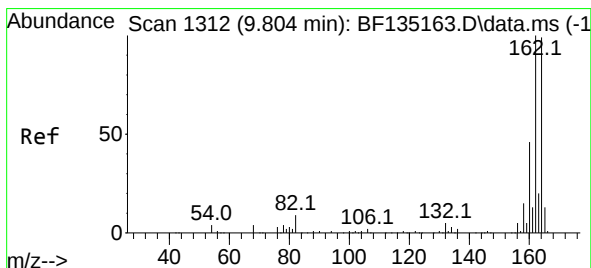
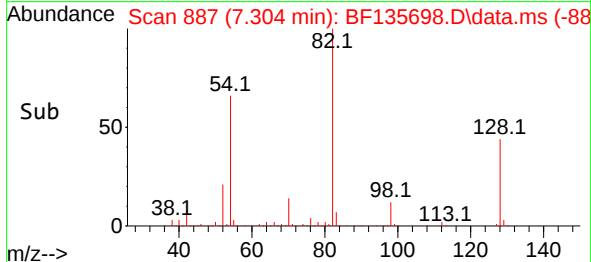
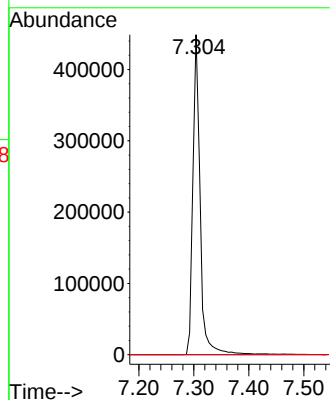
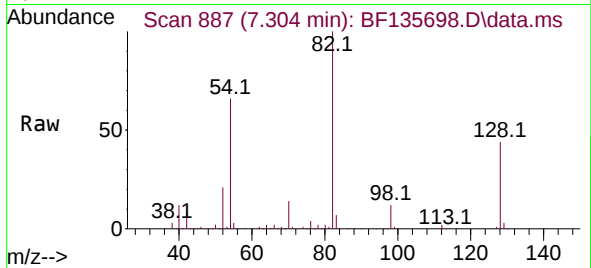




#25
Isophorone
Concen: 33.530 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

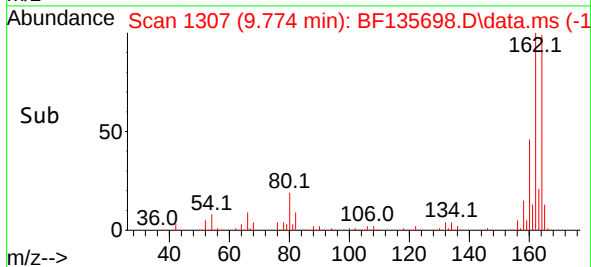
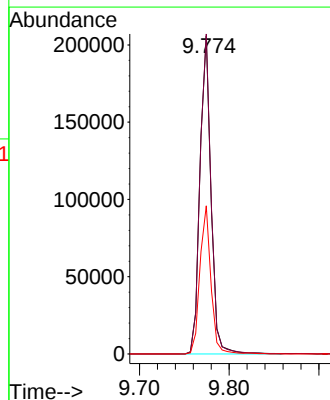
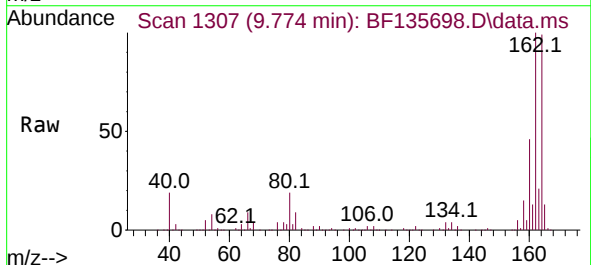
Instrument :
BNA_F
ClientSampleId :
DTP-1

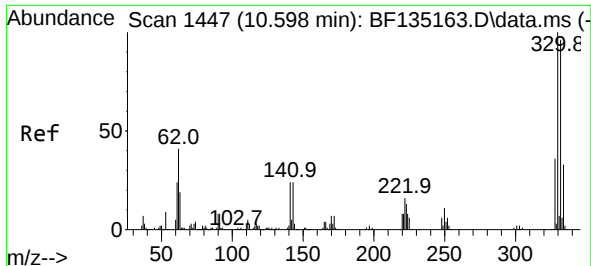
Tgt Ion: 82 Resp: 411736
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

Tgt Ion: 164 Resp: 175985
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 46.6 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 86.027 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF135698.D

Acq: 10 Oct 2023 22:10

Instrument :

BNA_F

ClientSampleId :

DTP-1

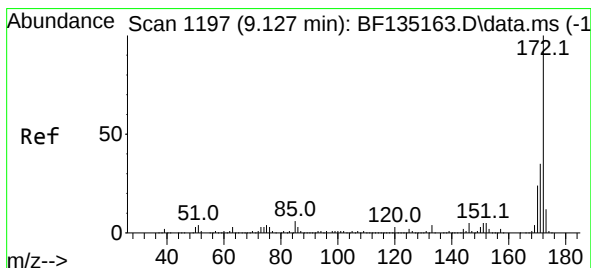
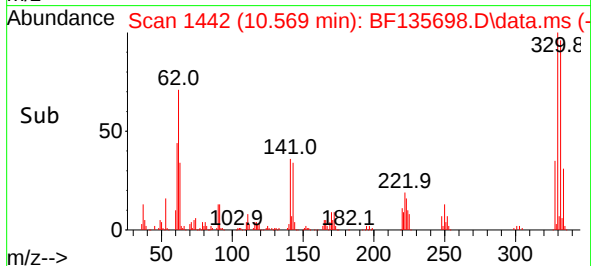
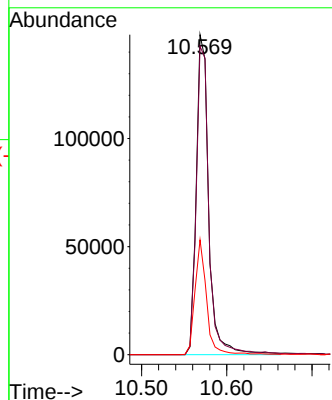
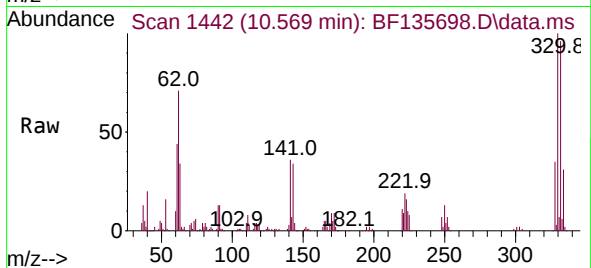
Tgt Ion:330 Resp: 150449

Ion Ratio Lower Upper

330 100

332 98.4 77.3 115.9

141 33.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 60.435 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135698.D

Acq: 10 Oct 2023 22:10

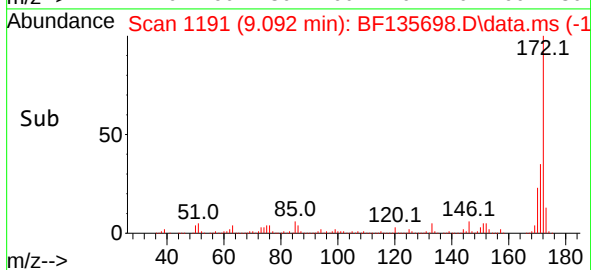
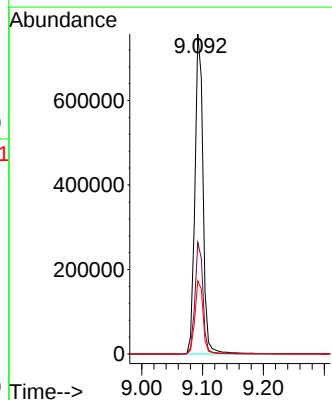
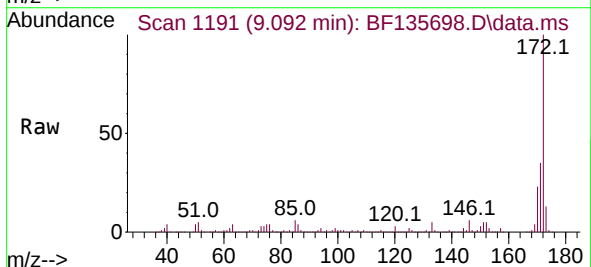
Tgt Ion:172 Resp: 704949

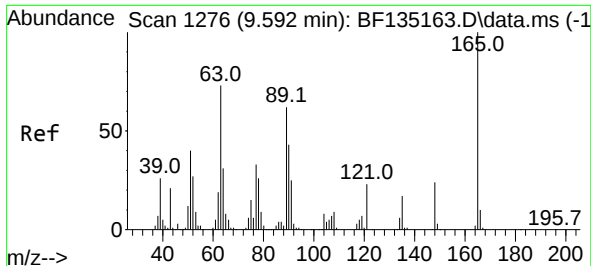
Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 22.8 19.0 28.4

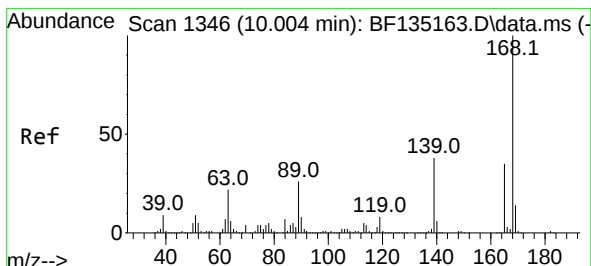
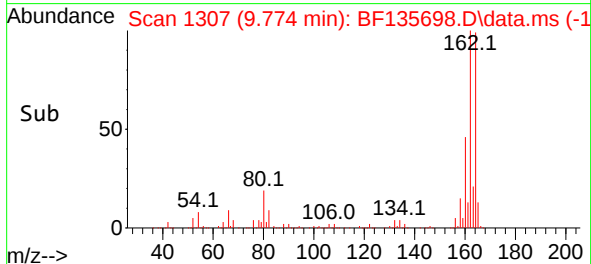
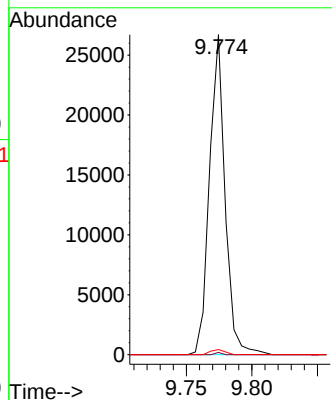
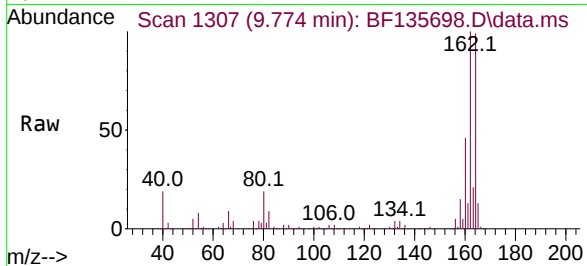




#51
2,6-Dinitrotoluene
Concen: 8.501 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

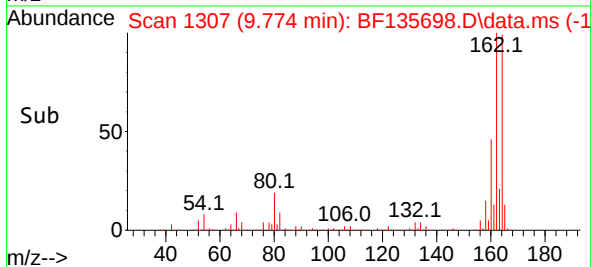
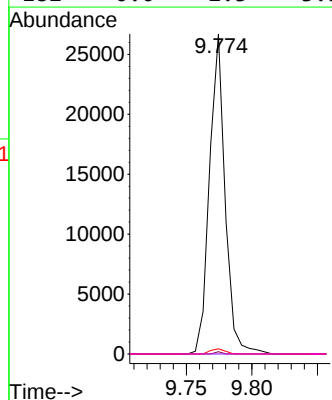
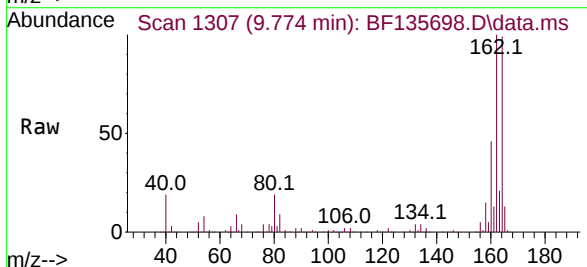
Instrument :
BNA_F
ClientSampleId :
DTP-1

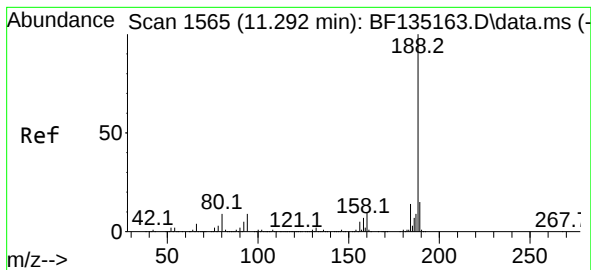
Tgt Ion:165 Resp: 22158
Ion Ratio Lower Upper
165 100
63 0.7 59.4 89.2#
89 1.6 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.790 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135698.D
Acq: 10 Oct 2023 22:10

Tgt Ion:165 Resp: 22158
Ion Ratio Lower Upper
165 100
63 0.7 50.1 75.1#
89 1.6 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135698.D

Acq: 10 Oct 2023 22:10

Instrument :

BNA_F

ClientSampleId :

DTP-1

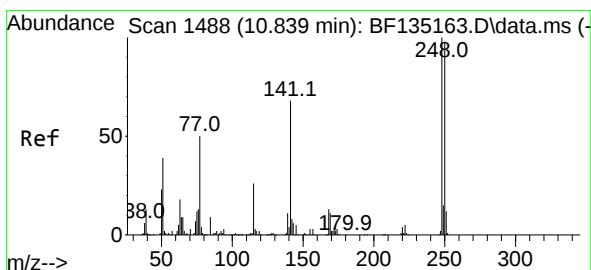
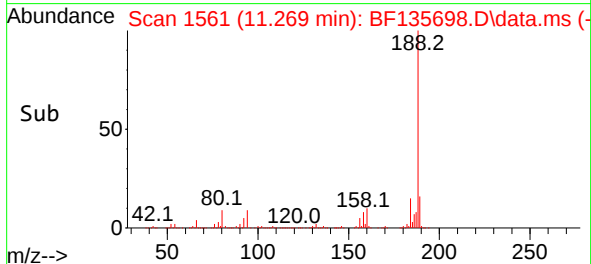
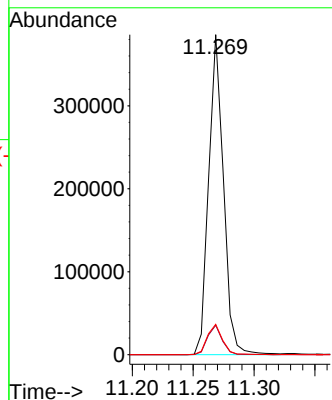
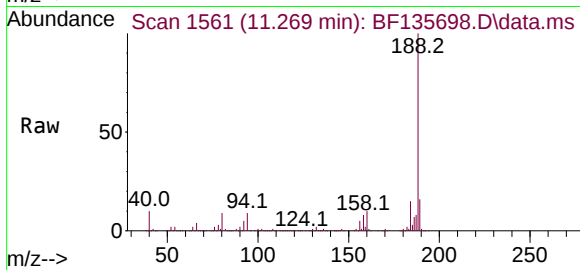
Tgt Ion:188 Resp: 324618

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

80 9.5 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.933 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135698.D

Acq: 10 Oct 2023 22:10

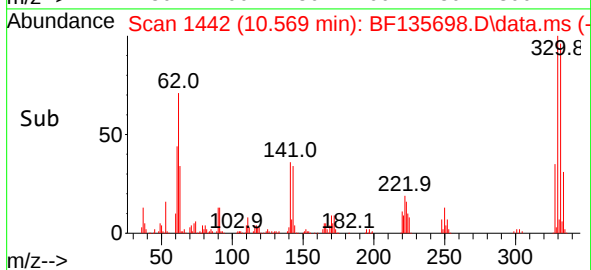
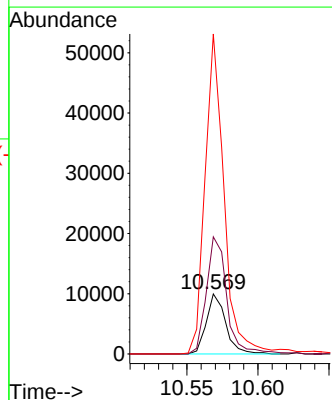
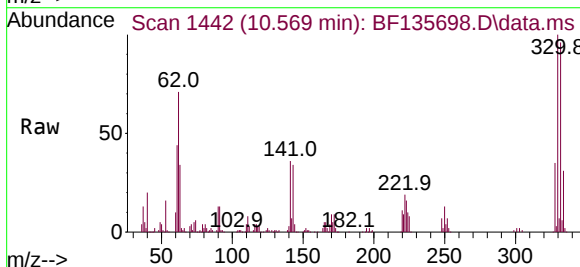
Tgt Ion:248 Resp: 9468

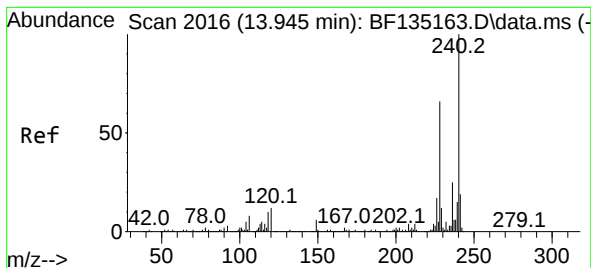
Ion Ratio Lower Upper

248 100

250 195.4 78.6 117.8#

141 533.6 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135698.D

Acq: 10 Oct 2023 22:10

Instrument :

BNA_F

ClientSampleId :

DTP-1

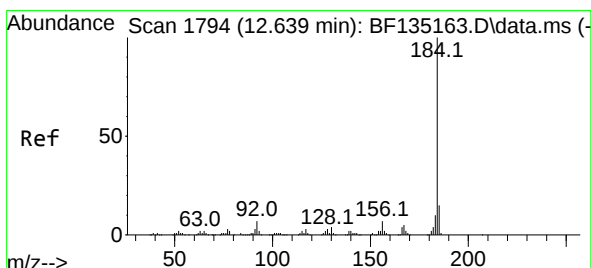
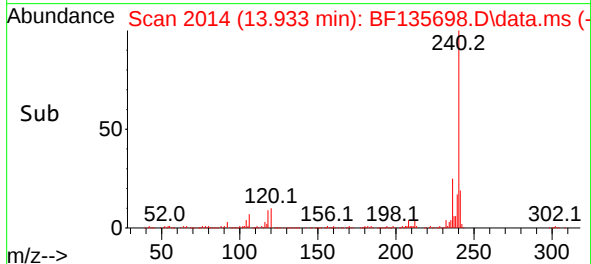
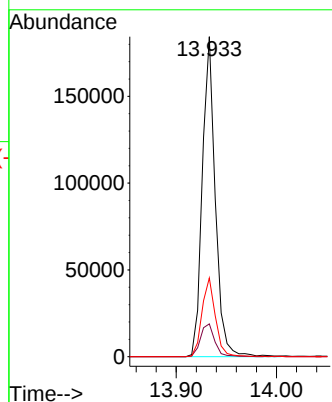
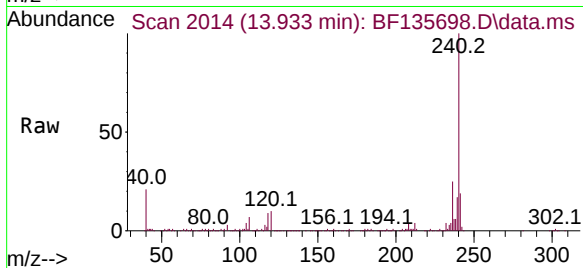
Tgt Ion:240 Resp: 167005

Ion Ratio Lower Upper

240 100

120 10.3 9.4 14.2

236 24.6 19.8 29.8



#77

Benzidine

Concen: 2.138 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.235 min

Lab File: BF135698.D

Acq: 10 Oct 2023 22:10

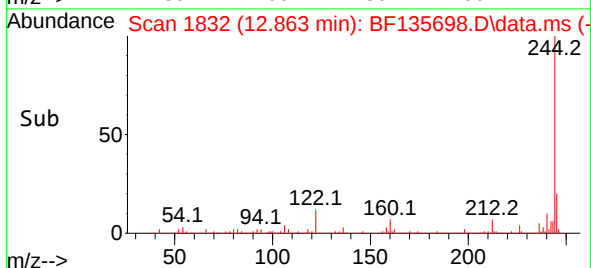
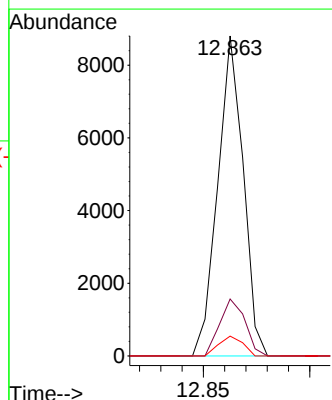
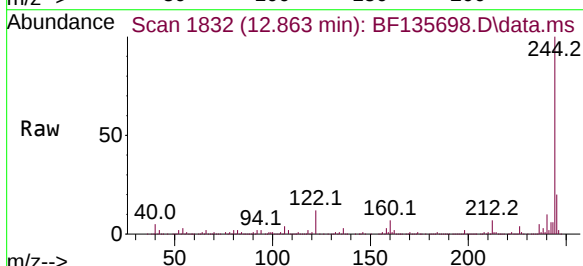
Tgt Ion:184 Resp: 7316

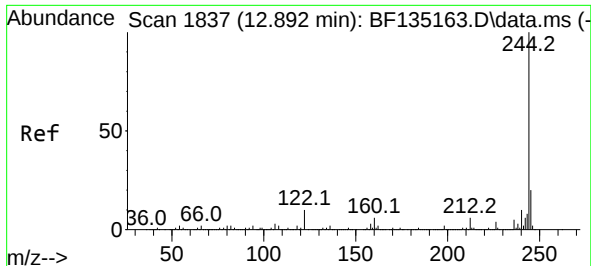
Ion Ratio Lower Upper

184 100

185 17.8 11.7 17.5#

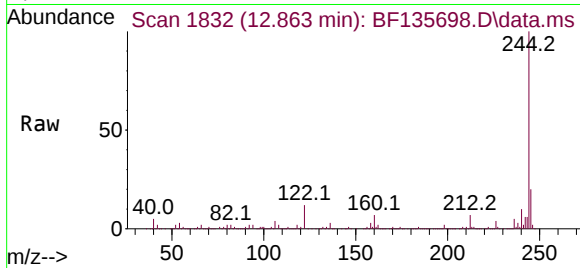
183 6.2 8.2 12.4#



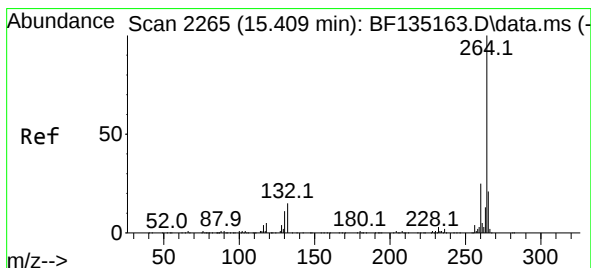
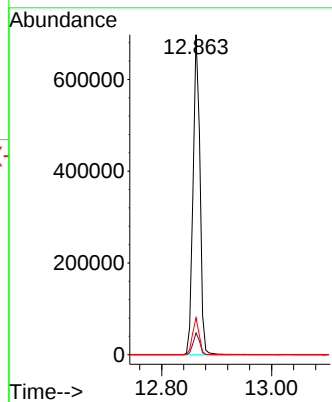
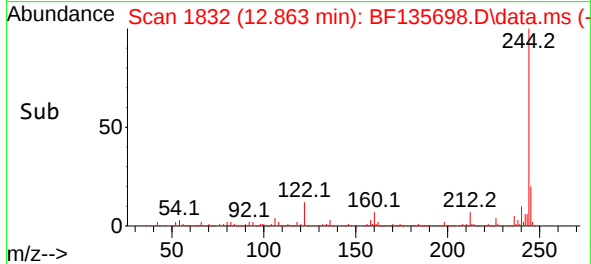


#79
 Terphenyl-d14
 Concen: 55.850 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.006 min
 Lab File: BF135698.D
 Acq: 10 Oct 2023 22:10

Instrument :
 BNA_F
 ClientSampleId :
 DTP-1



Tgt Ion:244 Resp: 601686
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 11.6 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. -0.000 min
 Lab File: BF135698.D
 Acq: 10 Oct 2023 22:10

Tgt Ion:264 Resp: 198508
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.8 29.6
 265 22.5 17.0 25.4

