

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100923\
 Data File : BF135660.D
 Acq On : 09 Oct 2023 20:09
 Operator : CG\JU
 Sample : 04731-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTP-3

Quant Time: Oct 10 02:27:41 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 17:06:20 2023
 Response via : Initial Calibration

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

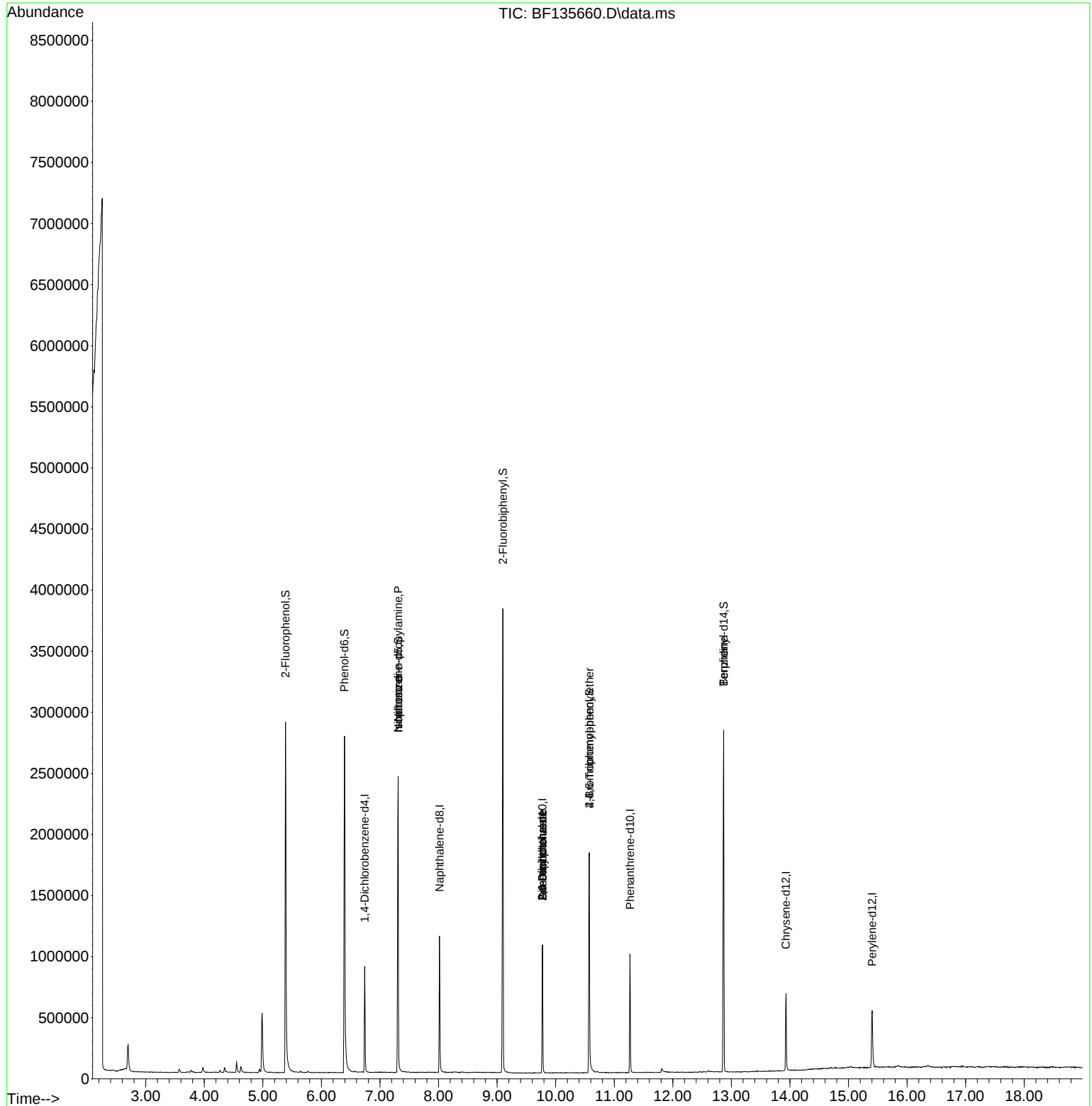
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	118191	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	469278	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	206313	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	353916	20.000	ng	0.00
76) Chrysene-d12	13.933	240	225735	20.000	ng	0.00
86) Perylene-d12	15.404	264	243989	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	869463	119.648	ng	0.02
7) Phenol-d6	6.393	99	1038699	112.411	ng	0.00
23) Nitrobenzene-d5	7.310	82	766209	88.706	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	250436	122.149	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1224473	89.543	ng	0.00
79) Terphenyl-d14	12.869	244	1021321	70.137	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.310	70	102844	17.969	ng	# 77
25) Isophorone	7.310	82	766204	48.307	ng	# 65
50) Dimethylphthalate	9.775	163	39532	2.834	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	26050	8.525	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	26050	6.810	ng	# 18
67) 4-Bromophenyl-phenylether	10.575	248	15638	4.443	ng	# 1
77) Benzidine	12.869	184	13165	2.847	ng	# 95

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

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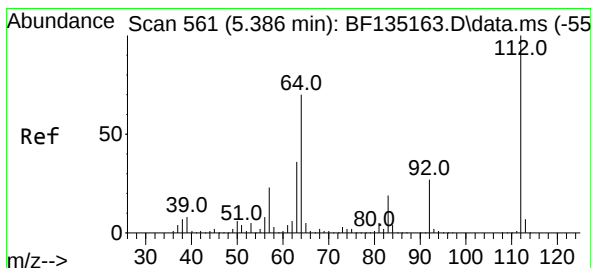
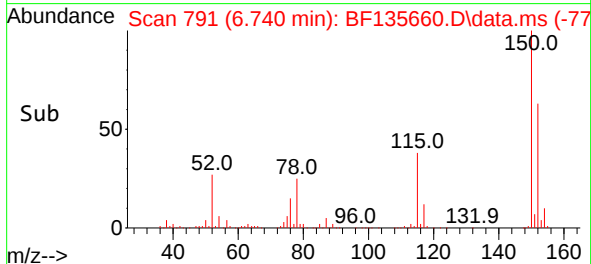
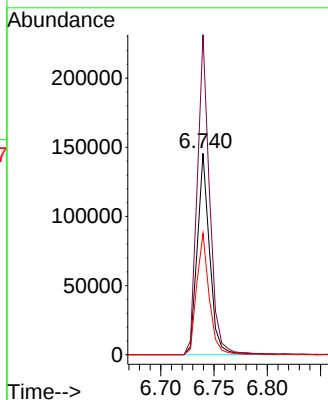
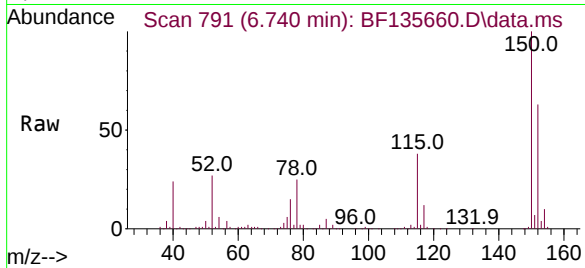




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

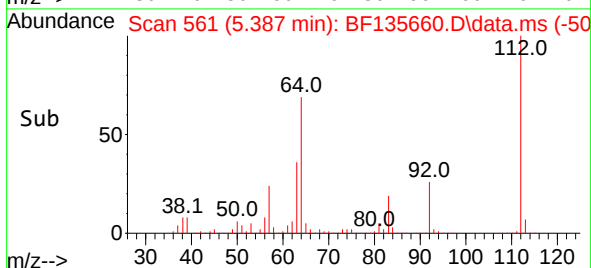
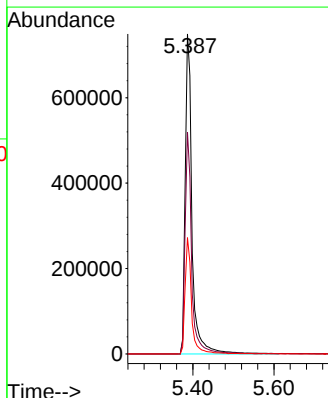
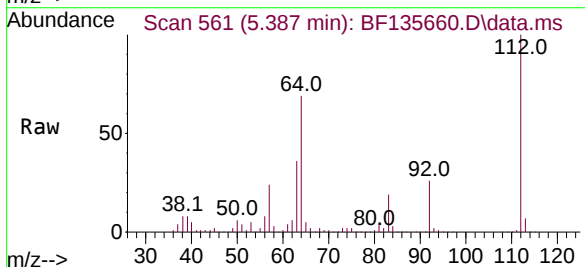
Instrument :
BNA_F
ClientSampleId :
DTP-3

Tgt Ion:152 Resp: 118191
Ion Ratio Lower Upper
152 100
150 158.9 127.8 191.6
115 60.3 49.8 74.8



#5
2-Fluorophenol
Concen: 119.648 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.018 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

Tgt Ion:112 Resp: 869463
Ion Ratio Lower Upper
112 100
64 69.3 55.9 83.9
63 36.3 29.0 43.6

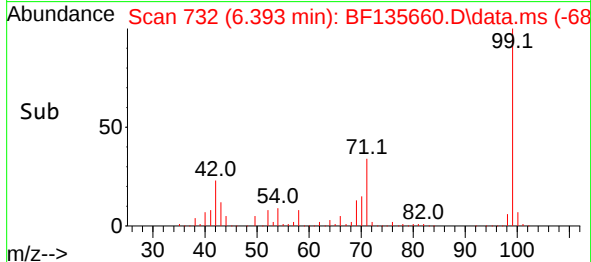
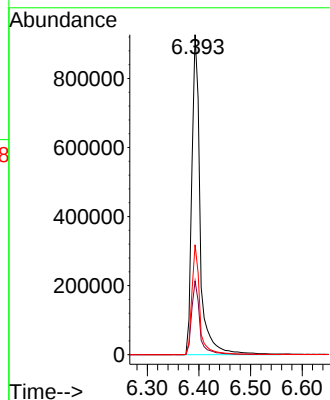
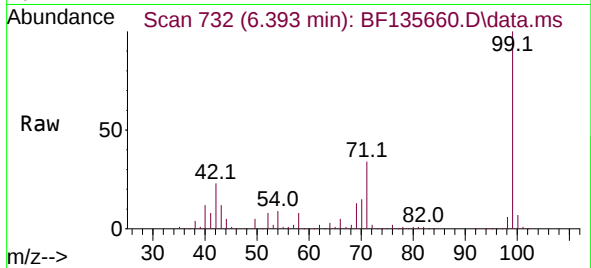




#7
Phenol-d6
Concen: 112.411 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

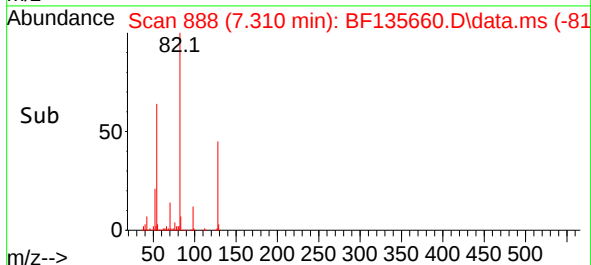
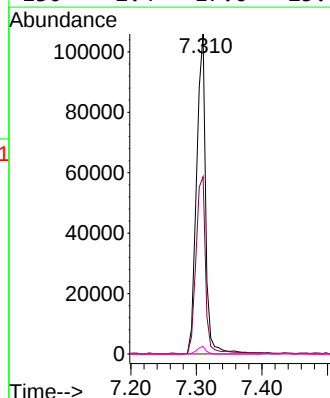
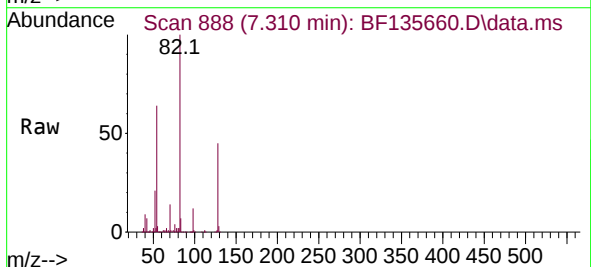
Instrument :
BNA_F
ClientSampleId :
DTP-3

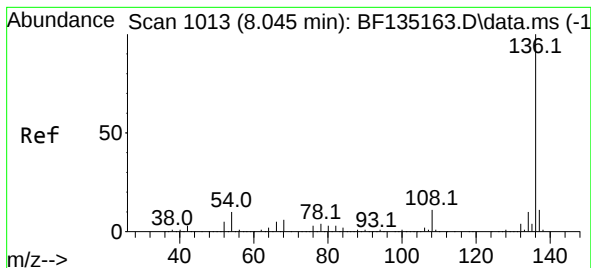
Tgt Ion: 99 Resp: 1038699
Ion Ratio Lower Upper
99 100
42 23.1 17.9 26.9
71 34.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.969 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.153 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

Tgt Ion: 70 Resp: 102844
Ion Ratio Lower Upper
70 100
42 55.4 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 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: BF135660.D

Acq: 09 Oct 2023 20:09

Instrument :

BNA_F

ClientSampleId :

DTP-3

Tgt Ion:136 Resp: 469278

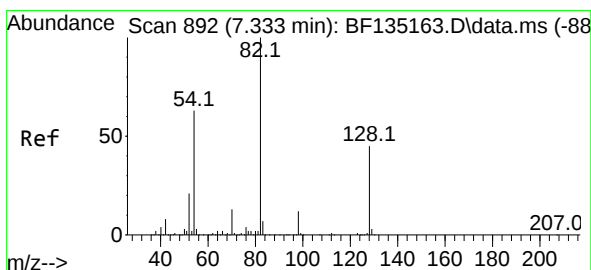
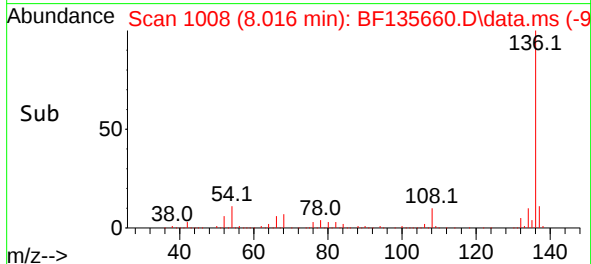
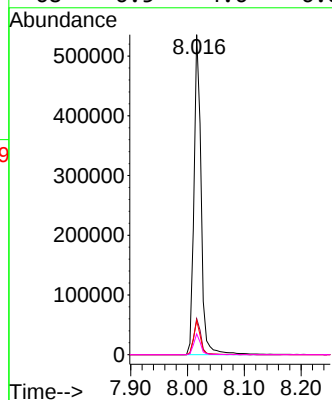
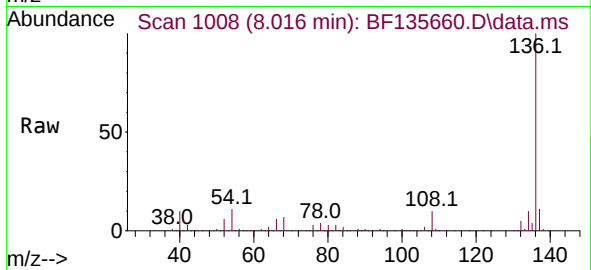
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 10.7 7.7 11.5

68 6.5 4.6 6.8



#23

Nitrobenzene-d5

Concen: 88.706 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.000 min

Lab File: BF135660.D

Acq: 09 Oct 2023 20:09

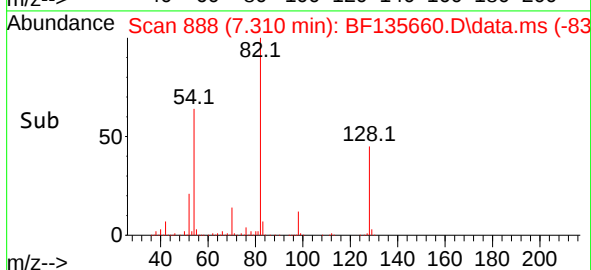
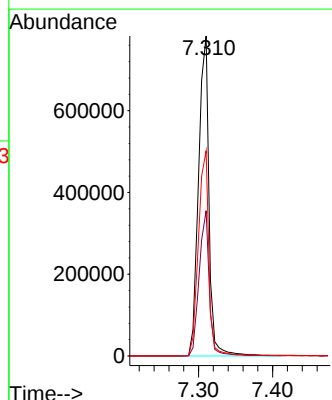
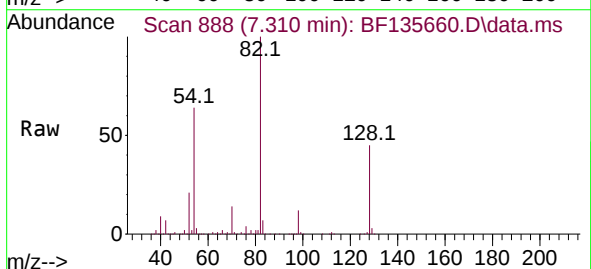
Tgt Ion: 82 Resp: 766209

Ion Ratio Lower Upper

82 100

128 45.4 35.8 53.6

54 64.1 50.6 76.0

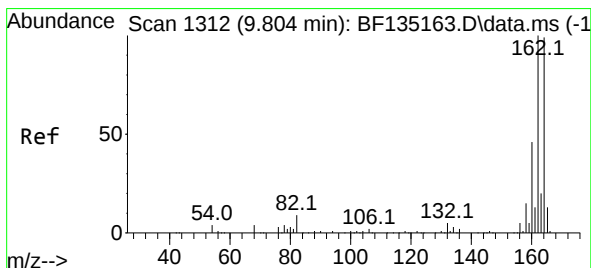
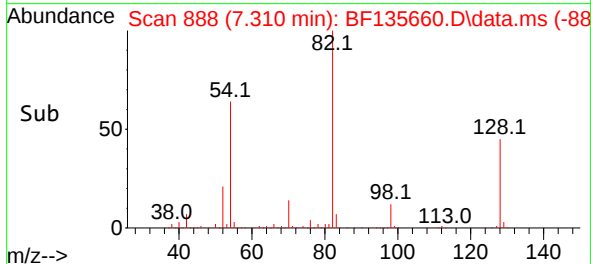
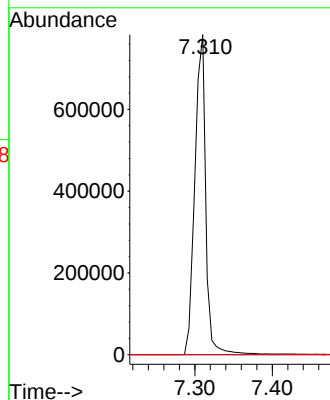
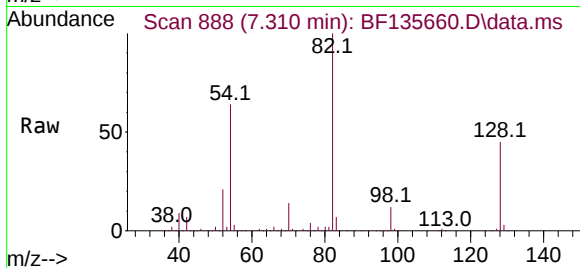




#25
Isophorone
Concen: 48.307 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

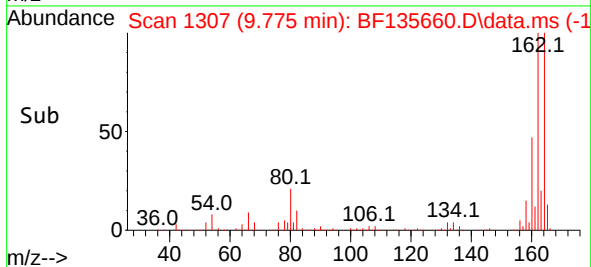
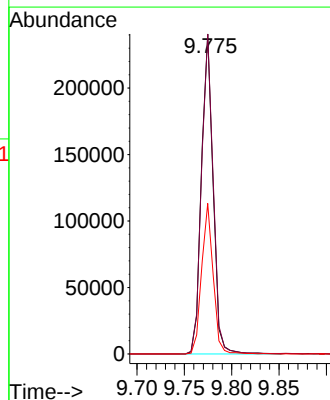
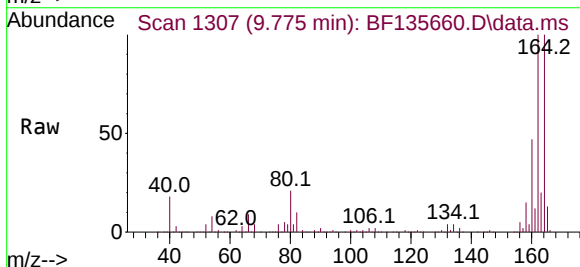
Instrument :
BNA_F
ClientSampleId :
DTP-3

Tgt Ion: 82 Resp: 766204
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: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

Tgt Ion: 164 Resp: 206313
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 47.1 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 122.149 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF135660.D

Acq: 09 Oct 2023 20:09

Instrument :

BNA_F

ClientSampleId :

DTP-3

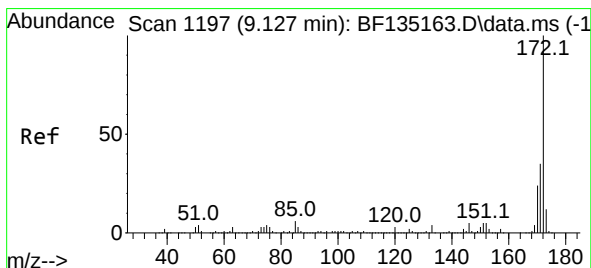
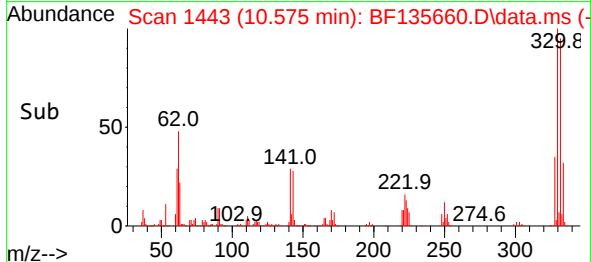
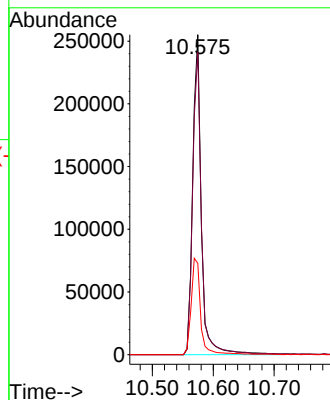
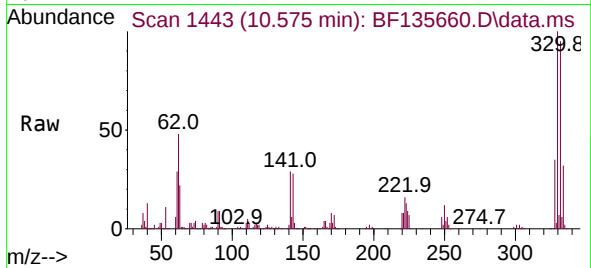
Tgt Ion:330 Resp: 250436

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

141 33.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 89.543 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF135660.D

Acq: 09 Oct 2023 20:09

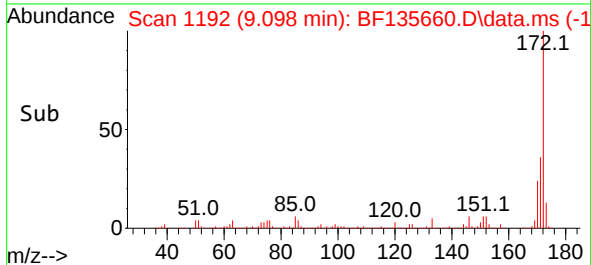
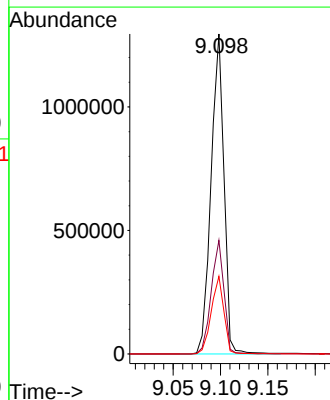
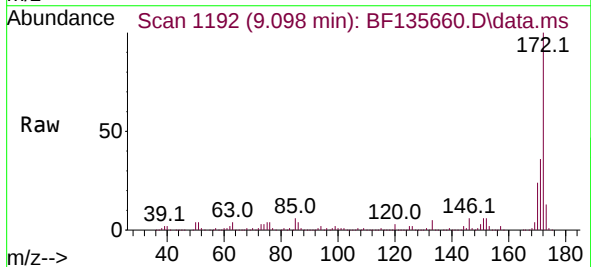
Tgt Ion:172 Resp: 1224473

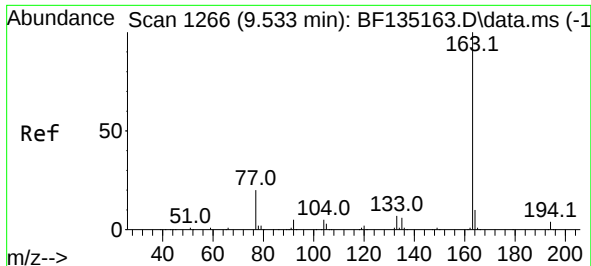
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.3 19.0 28.4

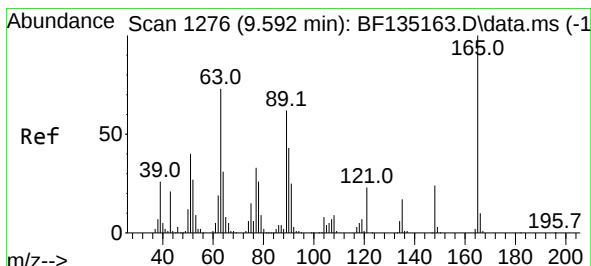
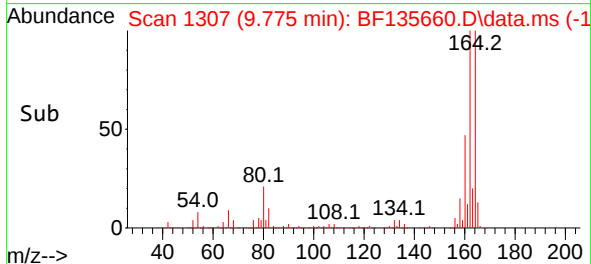
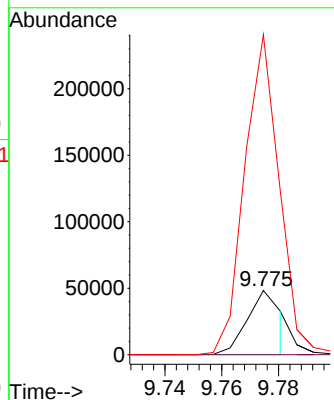
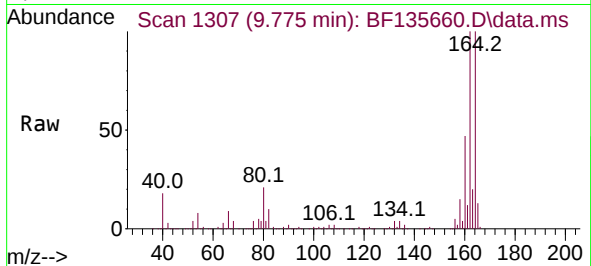




#50
Dimethylphthalate
Concen: 2.834 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.271 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

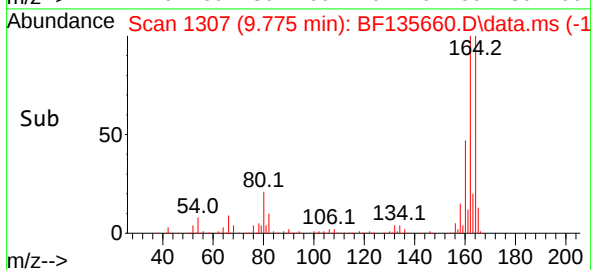
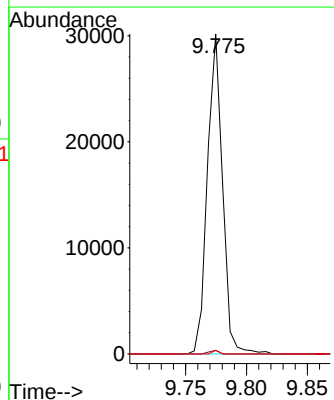
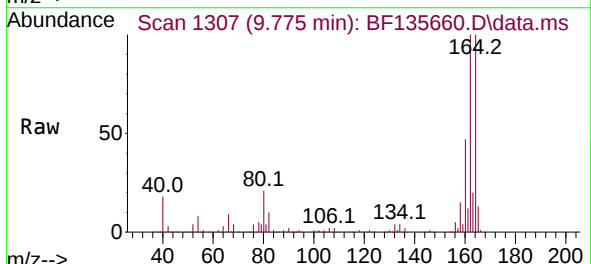
Instrument :
BNA_F
ClientSampleId :
DTP-3

Tgt Ion:163 Resp: 39532
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 498.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.525 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

Tgt Ion:165 Resp: 26050
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.1 49.8 74.8#

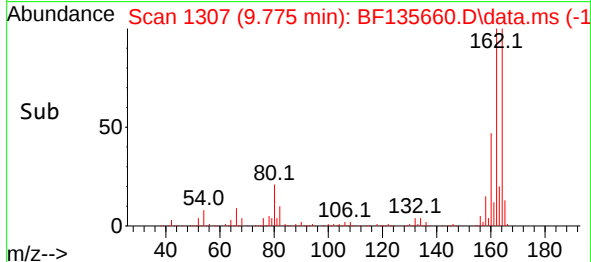
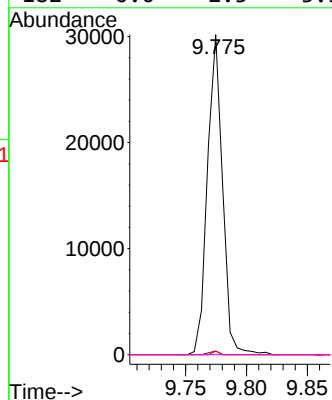
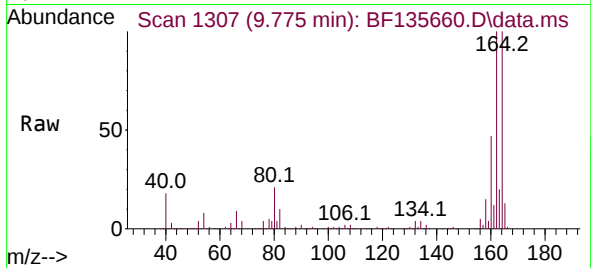




#57
2,4-Dinitrotoluene
Concen: 6.810 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

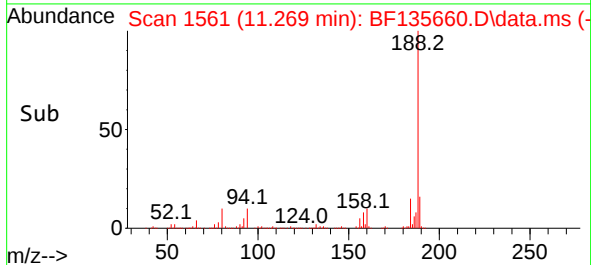
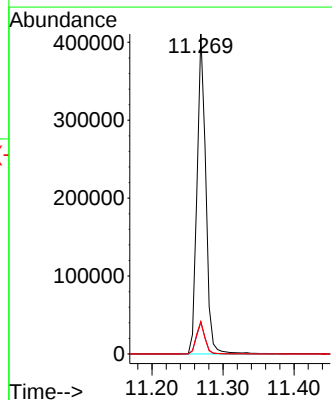
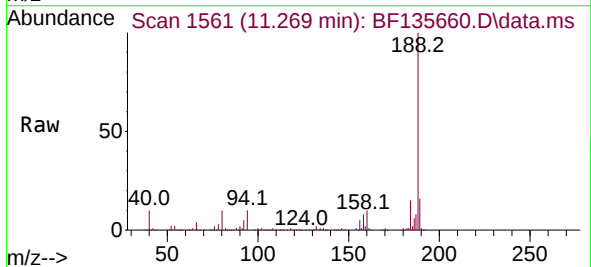
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BNA_F
ClientSampleId :
DTP-3

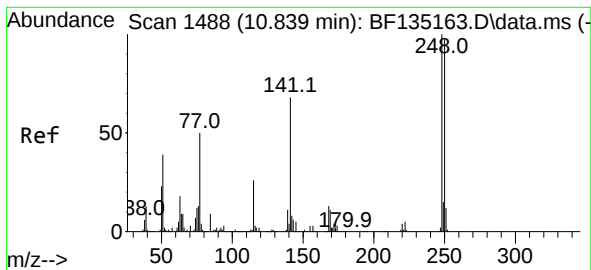
Tgt Ion:165 Resp: 26050
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

Tgt Ion:188 Resp: 353916
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.2 7.5 11.3

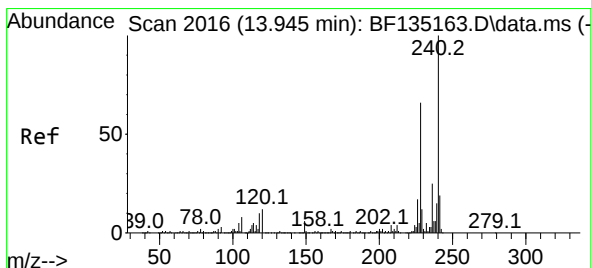
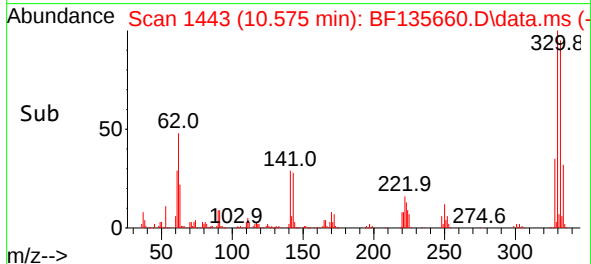
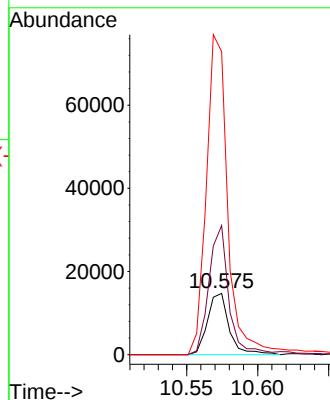
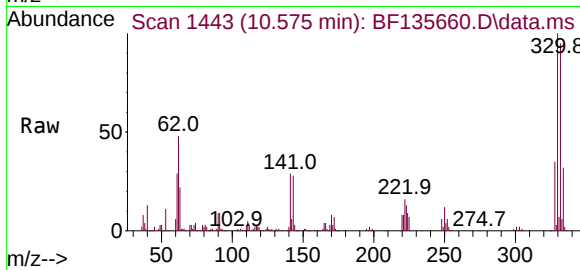




#67
4-Bromophenyl-phenylether
Concen: 4.443 ng
RT: 10.575 min Scan# 1488
Delta R.T. -0.235 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

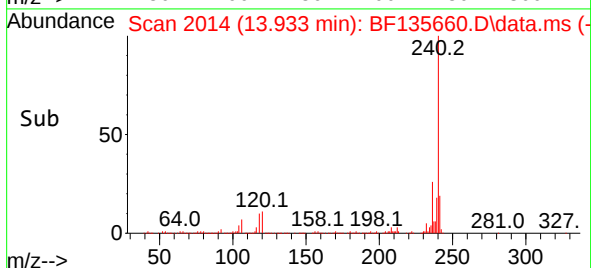
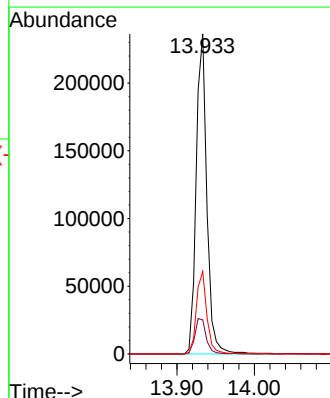
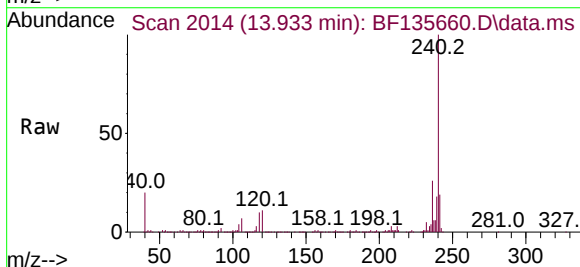
Instrument :
BNA_F
ClientSampleId :
DTP-3

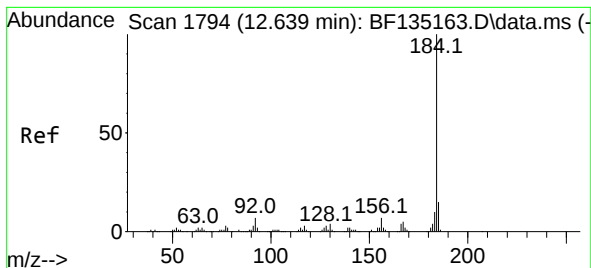
Tgt Ion:248 Resp: 15638
Ion Ratio Lower Upper
248 100
250 210.4 78.6 117.8#
141 494.0 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135660.D
Acq: 09 Oct 2023 20:09

Tgt Ion:240 Resp: 225735
Ion Ratio Lower Upper
240 100
120 10.7 9.4 14.2
236 25.8 19.8 29.8





#77

Benzidine

Concen: 2.847 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.253 min

Lab File: BF135660.D

Acq: 09 Oct 2023 20:09

Instrument :

BNA_F

ClientSampleId :

DTP-3

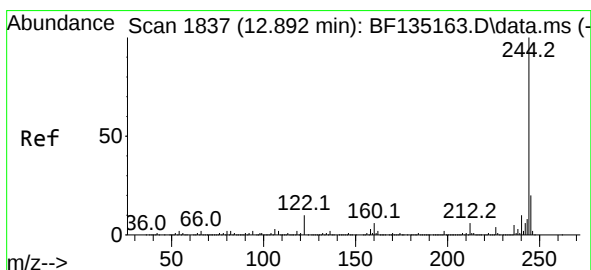
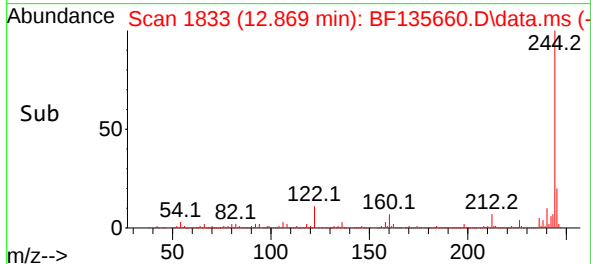
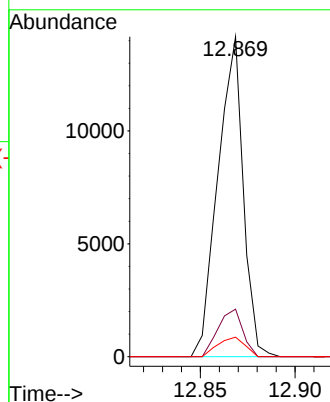
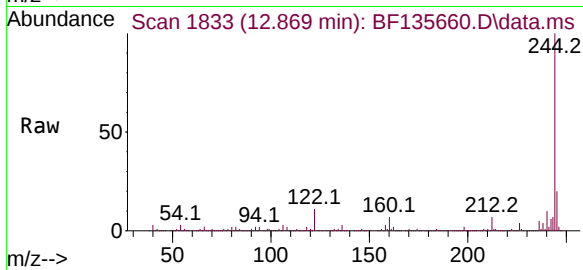
Tgt Ion:184 Resp: 13165

Ion Ratio Lower Upper

184 100

185 14.8 11.7 17.5

183 6.1 8.2 12.4#



#79

Terphenyl-d14

Concen: 70.137 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.006 min

Lab File: BF135660.D

Acq: 09 Oct 2023 20:09

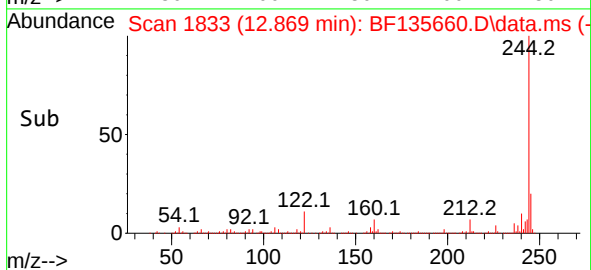
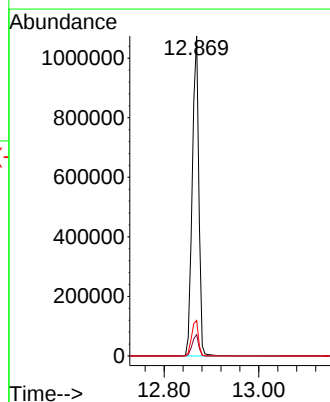
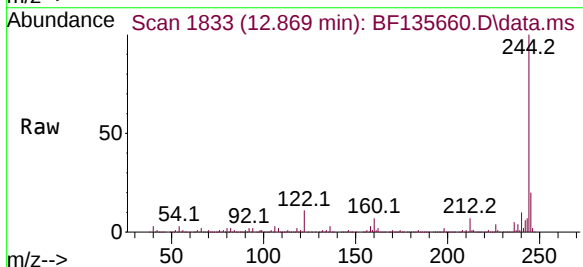
Tgt Ion:244 Resp: 1021321

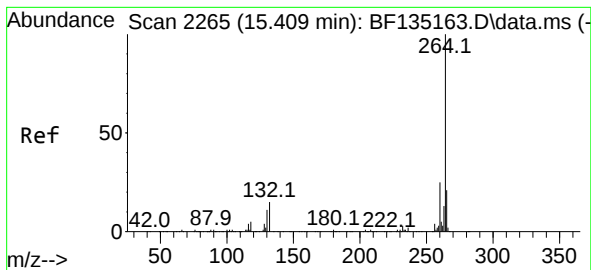
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

122 11.1 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135660.D
 Acq: 09 Oct 2023 20:09

Instrument :
 BNA_F
 ClientSampleId :
 DTP-3

Tgt Ion:264 Resp: 243989
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.8 29.6
 265 20.9 17.0 25.4

