

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135820.D
 Acq On : 17 Oct 2023 19:28
 Operator : CG\JU
 Sample : 04895-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-1

Quant Time: Oct 18 02:00:59 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)

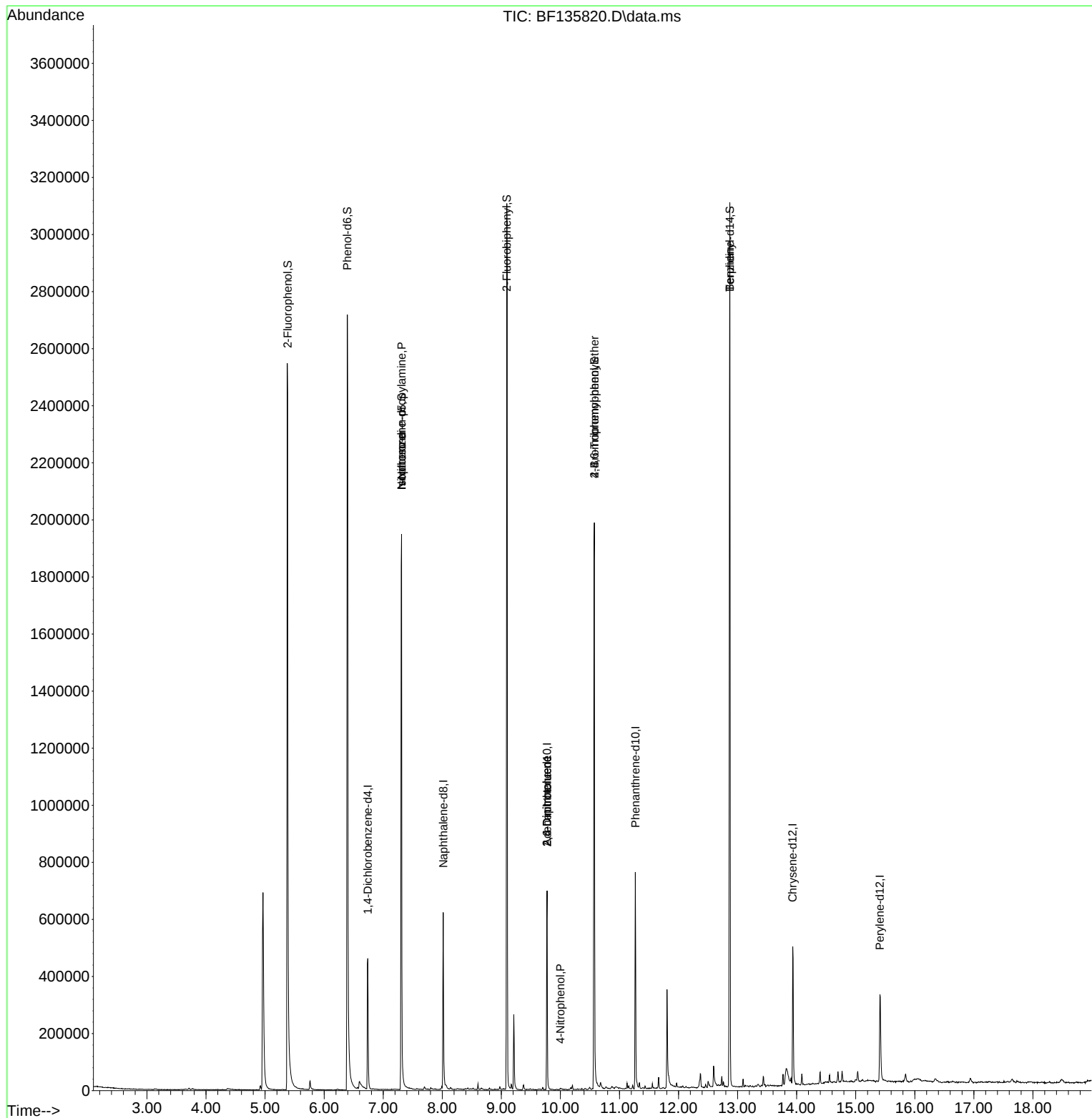
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	74800	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	270801	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	138506	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	275037	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	181279	20.000	ng	-0.02
86) Perylene-d12	15.410	264	159389	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	829639	178.323	ng	0.00
7) Phenol-d6	6.393	99	1040483	179.239	ng	0.00
23) Nitrobenzene-d5	7.310	82	638297	129.637	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	261239	196.557	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	1011259	114.155	ng	-0.01
79) Terphenyl-d14	12.869	244	1129805	115.419	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	84019	23.408	ng	# 72
25) Isophorone	7.310	82	638297	68.716	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	18398	9.150	ng	# 15
56) 4-Nitrophenol	9.998	139	54	5.537	ng	# 5
57) 2,4-Dinitrotoluene	9.775	165	18398	7.192	ng	# 23
67) 4-Bromophenyl-phenylether	10.575	248	15737	5.700	ng	# 1
77) Benzidine	12.869	184	13549	3.425	ng	# 92

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

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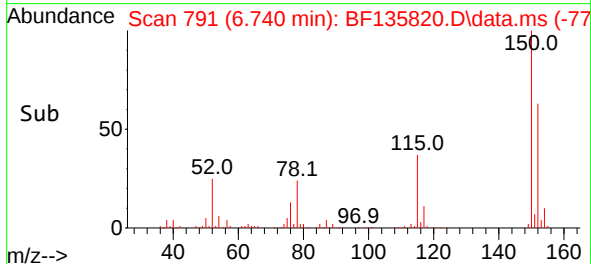
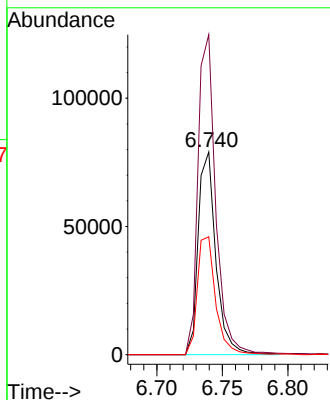
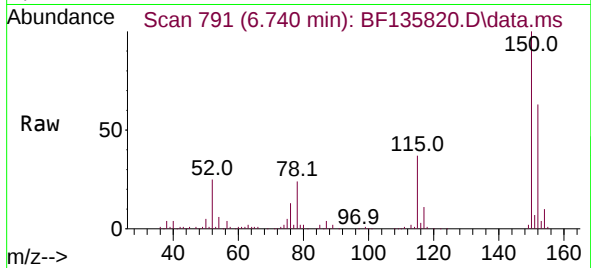




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF135820.D
 Acq: 17 Oct 2023 19:28

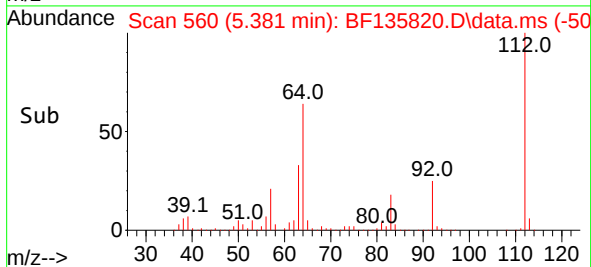
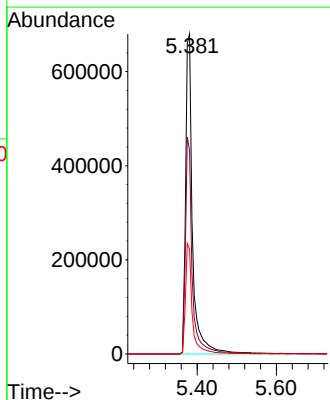
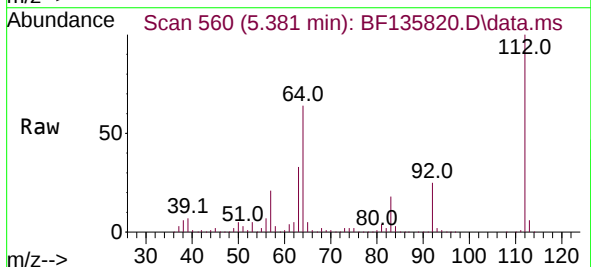
Instrument :
 BNA_F
 ClientSampleId :
 A-1

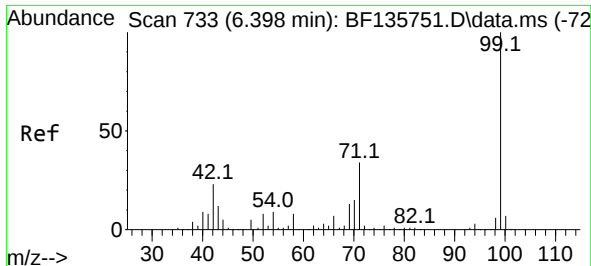
Tgt Ion:152 Resp: 74800
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.5 186.7
 115 58.2 49.0 73.4



#5
 2-Fluorophenol
 Concen: 178.323 ng
 RT: 5.381 min Scan# 560
 Delta R.T. 0.006 min
 Lab File: BF135820.D
 Acq: 17 Oct 2023 19:28

Tgt Ion:112 Resp: 829639
 Ion Ratio Lower Upper
 112 100
 64 63.5 51.2 76.8
 63 32.8 26.1 39.1

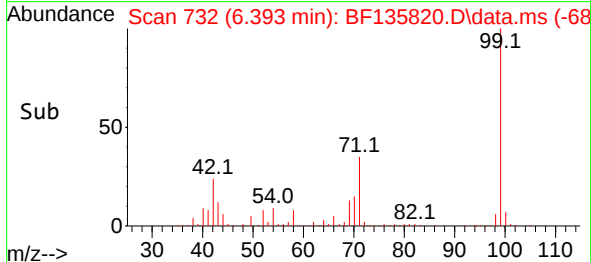
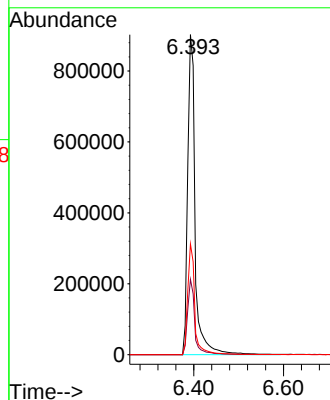
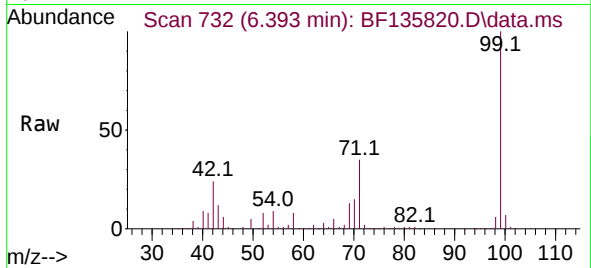




#7
Phenol-d6
Concen: 179.239 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

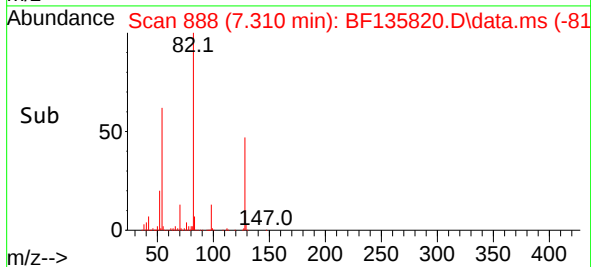
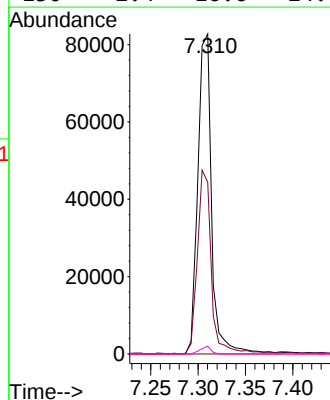
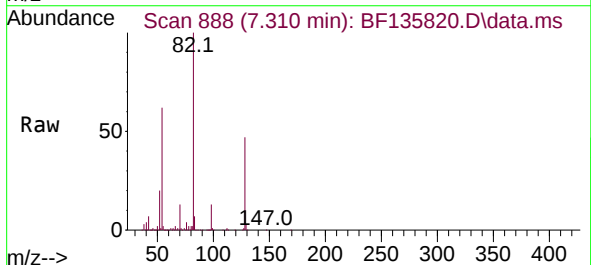
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BNA_F
ClientSampleId :
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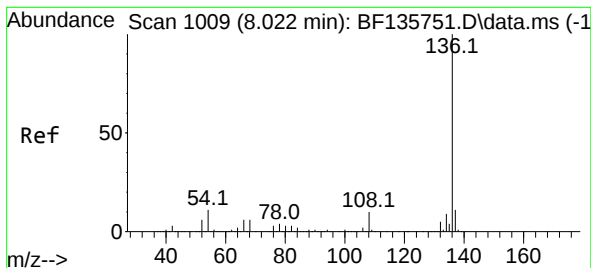
Tgt Ion: 99 Resp: 1040483
Ion Ratio Lower Upper
99 100
42 23.5 18.4 27.6
71 34.6 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 23.408 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

Tgt Ion: 70 Resp: 84019
Ion Ratio Lower Upper
70 100
42 53.7 59.8 89.6#
101 0.0 7.4 11.2#
130 2.4 16.6 24.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135820.D

Acq: 17 Oct 2023 19:28

Instrument :

BNA_F

ClientSampleId :

A-1

Tgt Ion:136 Resp: 270801

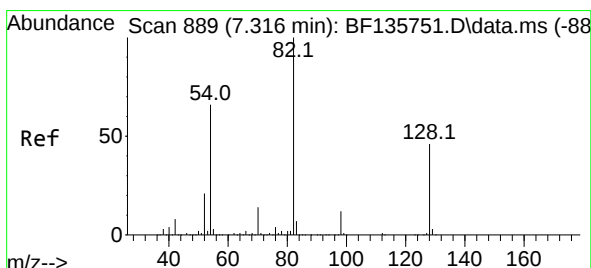
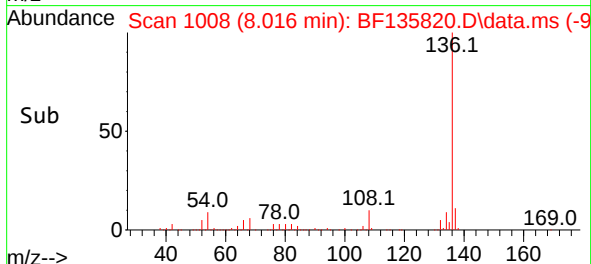
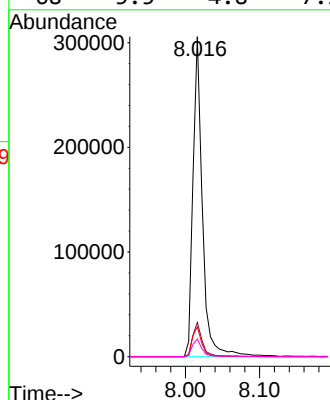
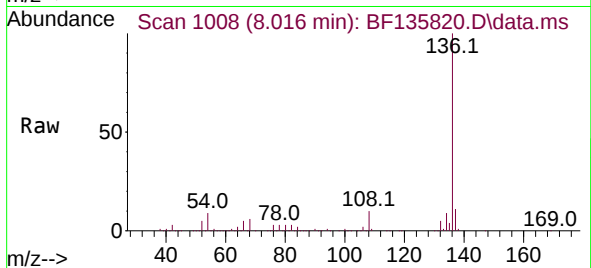
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 9.3 8.5 12.7

68 5.5 4.8 7.2



#23

Nitrobenzene-d5

Concen: 129.637 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.006 min

Lab File: BF135820.D

Acq: 17 Oct 2023 19:28

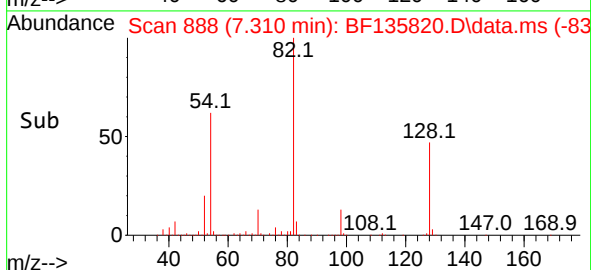
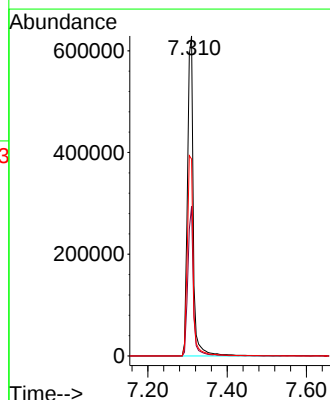
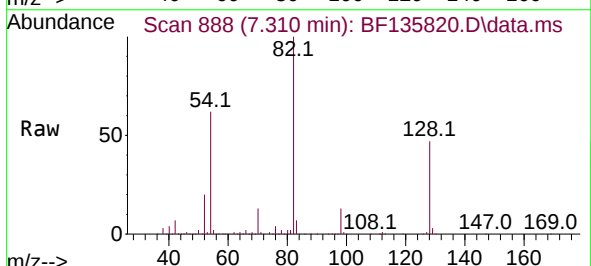
Tgt Ion: 82 Resp: 638297

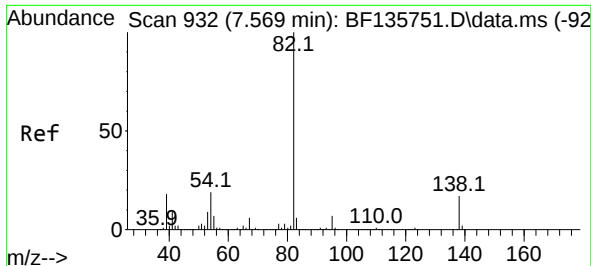
Ion Ratio Lower Upper

82 100

128 46.7 37.0 55.6

54 61.5 52.8 79.2

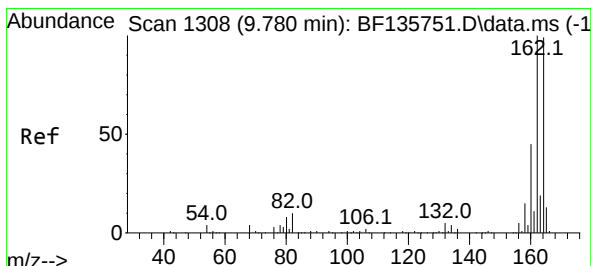
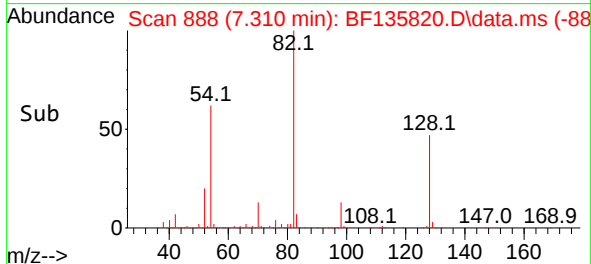
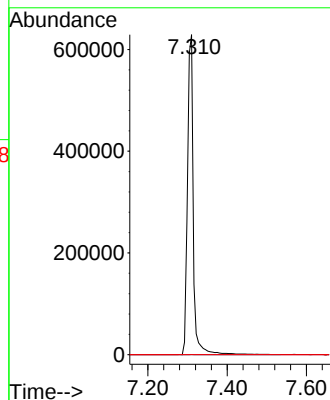
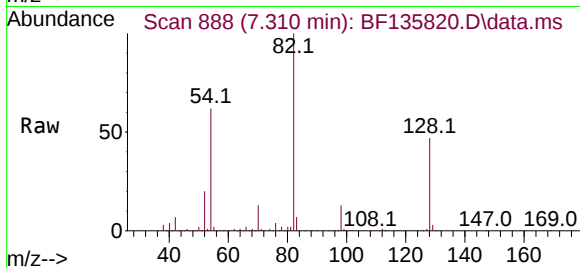




#25
Isophorone
Concen: 68.716 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

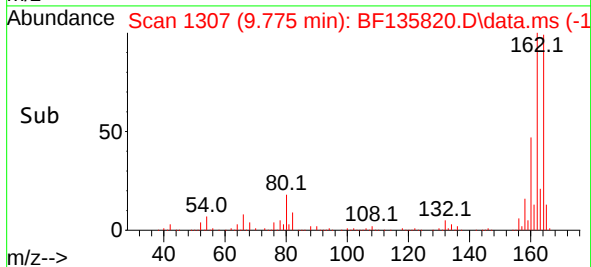
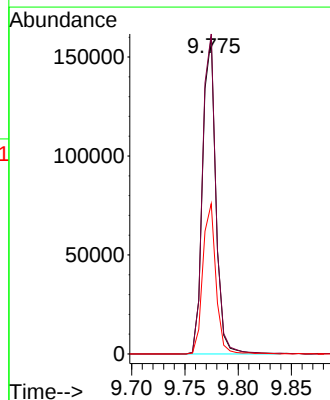
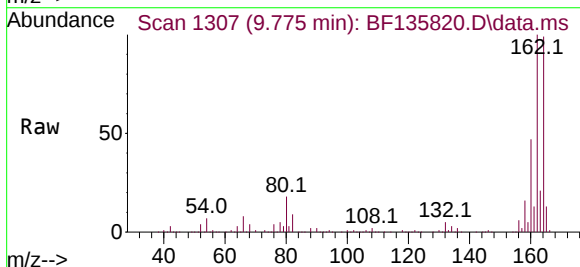
Instrument :
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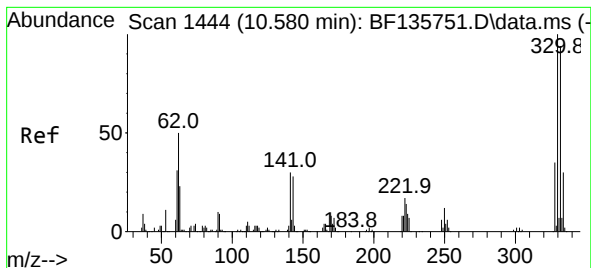
Tgt Ion: 82 Resp: 638297
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

Tgt Ion: 164 Resp: 138506
Ion Ratio Lower Upper
164 100
162 100.8 80.8 121.2
160 47.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 196.557 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135820.D

Acq: 17 Oct 2023 19:28

Instrument :

BNA_F

ClientSampleId :

A-1

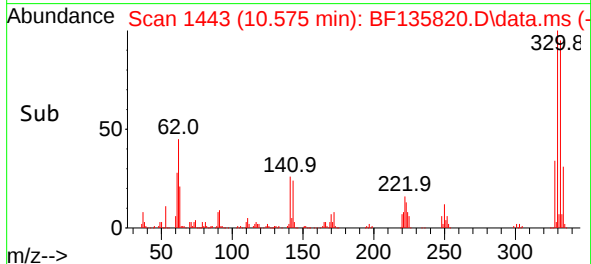
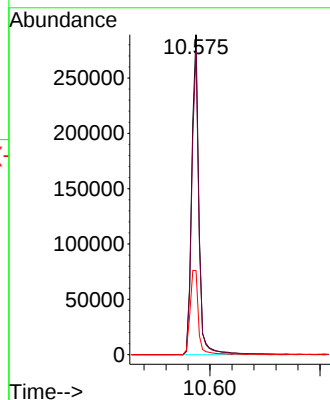
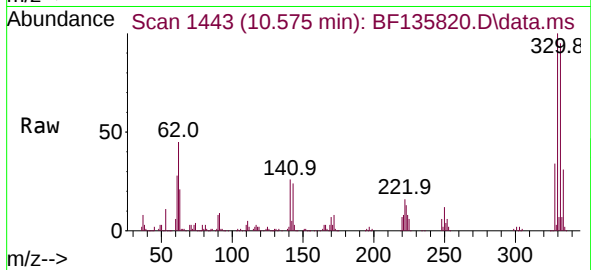
Tgt Ion:330 Resp: 261239

Ion Ratio Lower Upper

330 100

332 93.9 75.0 112.4

141 30.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 114.155 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135820.D

Acq: 17 Oct 2023 19:28

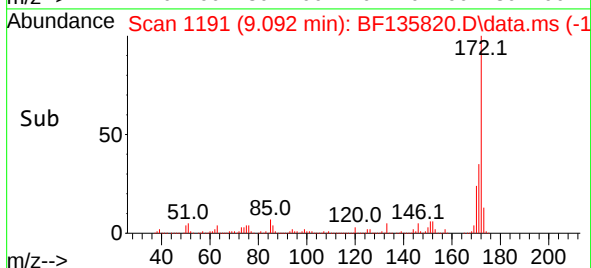
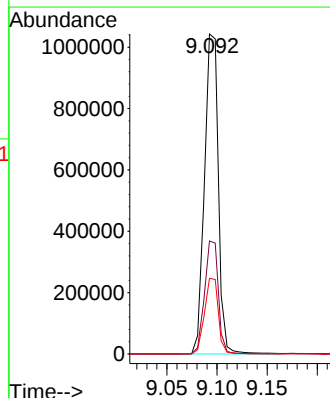
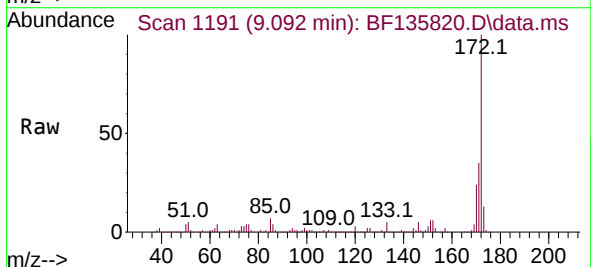
Tgt Ion:172 Resp: 1011259

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.6 18.8 28.2

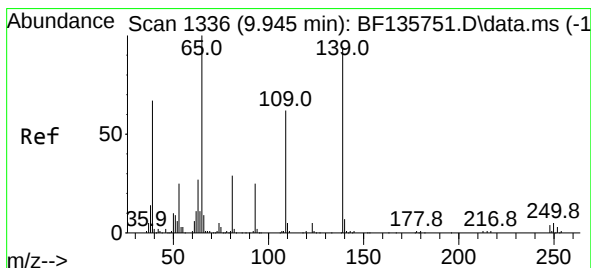
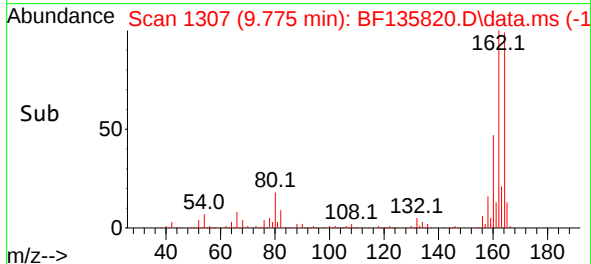
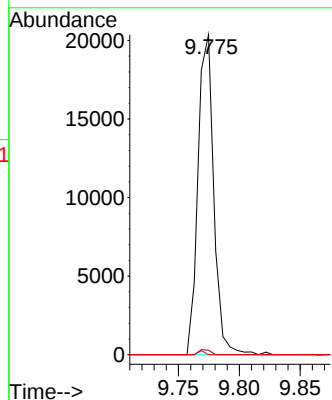
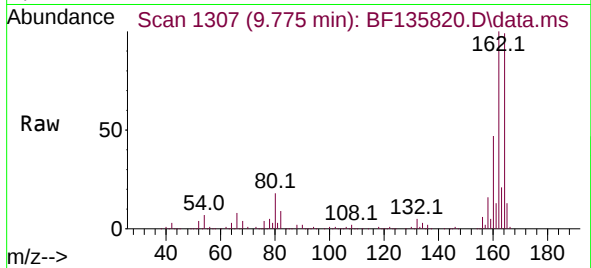




#51
2,6-Dinitrotoluene
Concen: 9.150 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

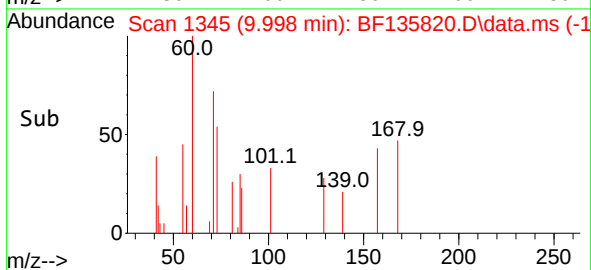
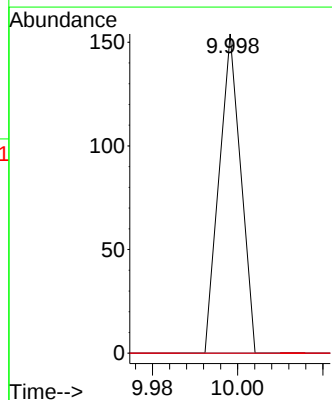
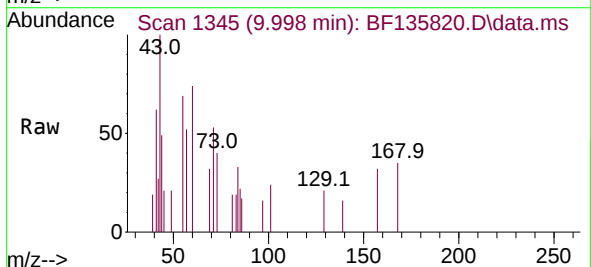
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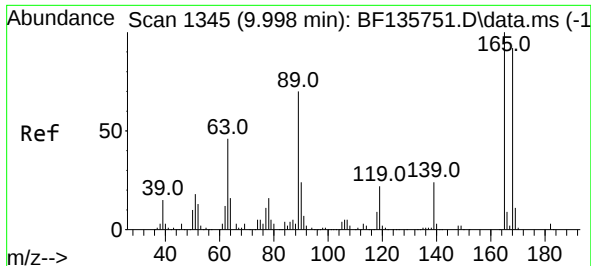
Tgt Ion:165 Resp: 18398
Ion Ratio Lower Upper
165 100
63 1.4 62.2 93.4#
89 0.0 49.6 74.4#



#56
4-Nitrophenol
Concen: 5.537 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.053 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

Tgt Ion:139 Resp: 54
Ion Ratio Lower Upper
139 100
109 0.0 45.6 85.6#
65 0.0 87.5 127.5#





#57

2,4-Dinitrotoluene

Concen: 7.192 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.229 min

Lab File: BF135820.D

Acq: 17 Oct 2023 19:28

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:165 Resp: 18398

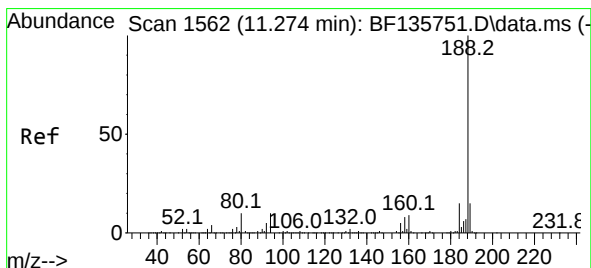
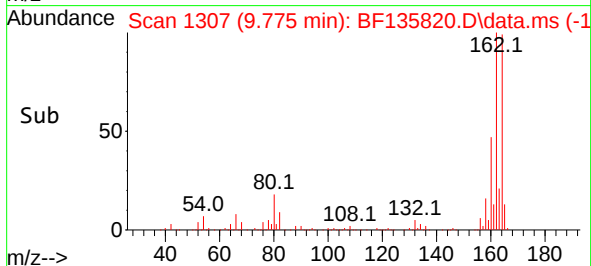
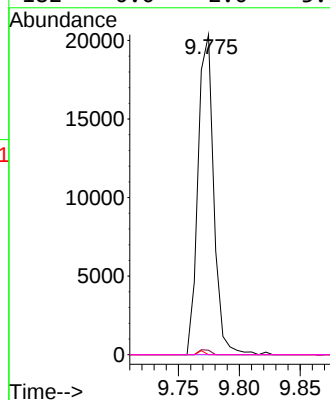
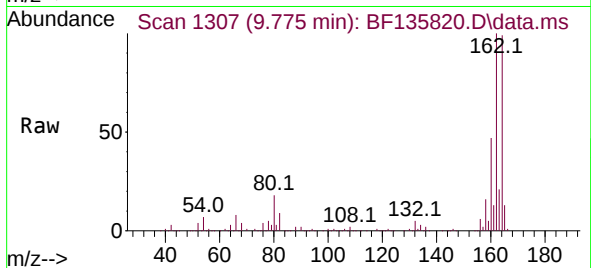
Ion Ratio Lower Upper

165 100

63 1.4 39.0 58.4#

89 0.0 55.9 83.9#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BF135820.D

Acq: 17 Oct 2023 19:28

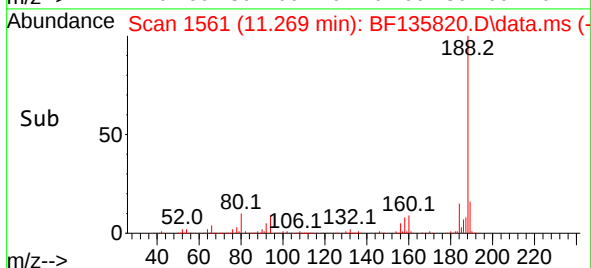
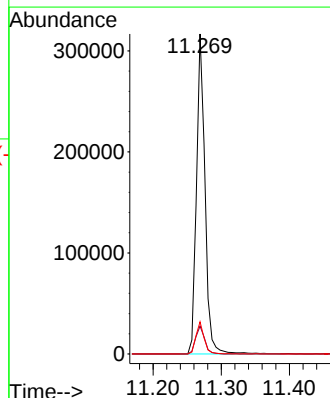
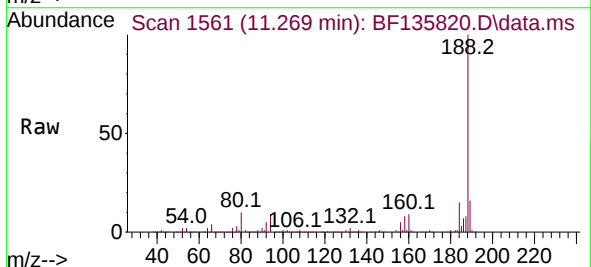
Tgt Ion:188 Resp: 275037

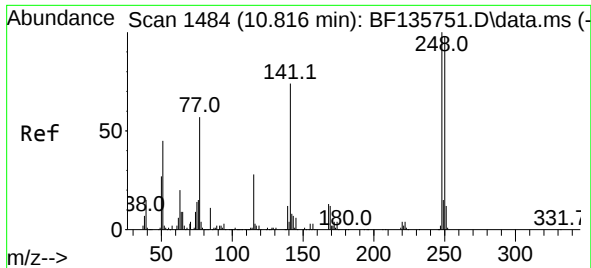
Ion Ratio Lower Upper

188 100

94 8.7 8.0 12.0

80 10.1 8.3 12.5

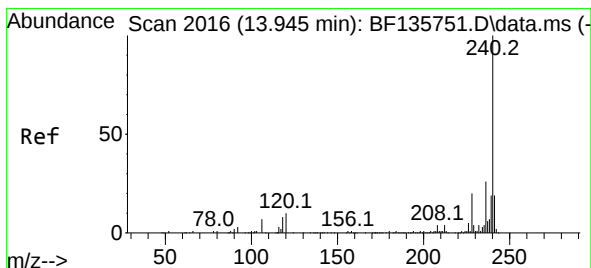
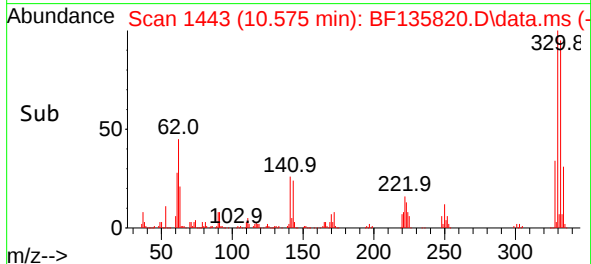
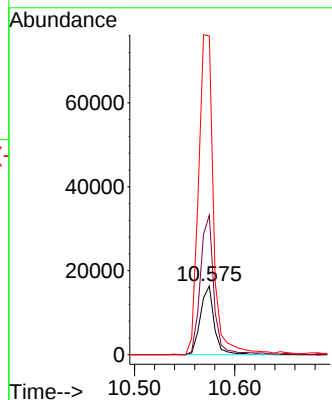
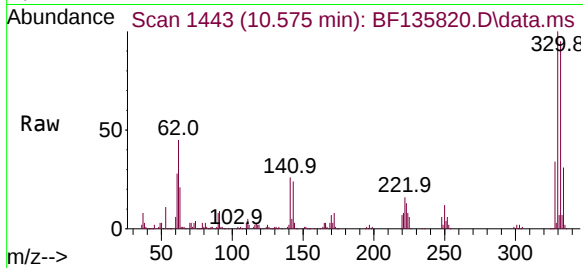




#67
4-Bromophenyl-phenylether
Concen: 5.700 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

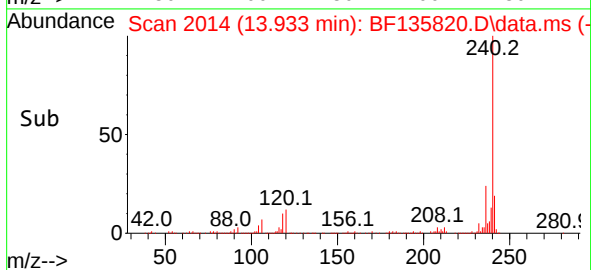
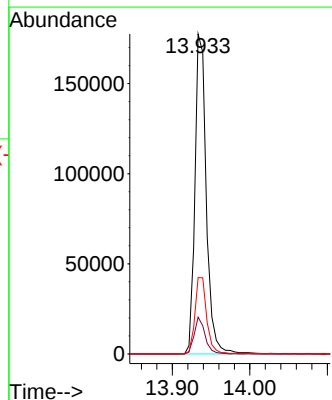
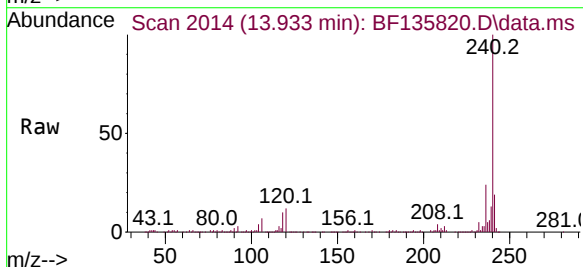
Instrument :
BNA_F
ClientSampleId :
A-1

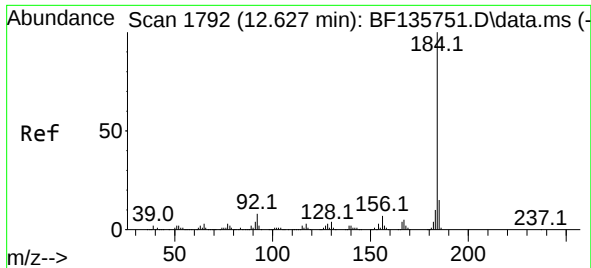
Tgt Ion:248 Resp: 15737
Ion Ratio Lower Upper
248 100
250 203.3 78.0 117.0#
141 464.4 59.0 88.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.018 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

Tgt Ion:240 Resp: 181279
Ion Ratio Lower Upper
240 100
120 11.5 8.2 12.2
236 23.9 21.2 31.8

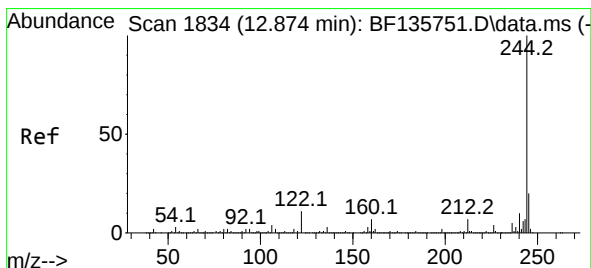
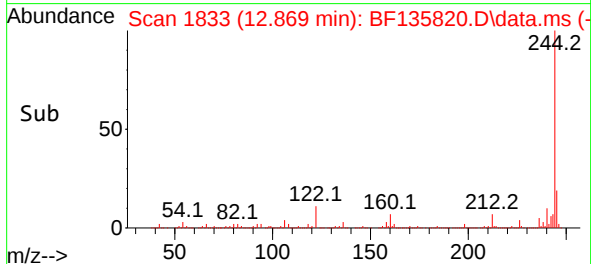
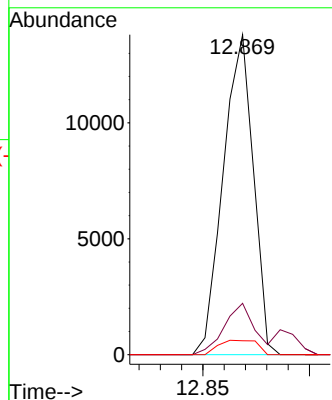
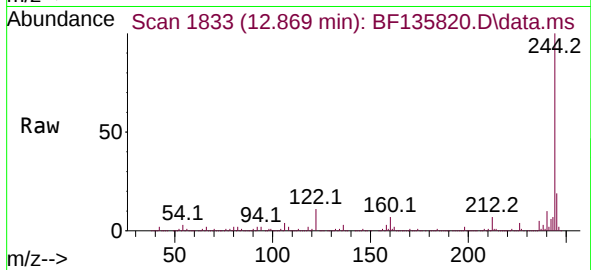




#77
Benzidine
Concen: 3.425 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.235 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

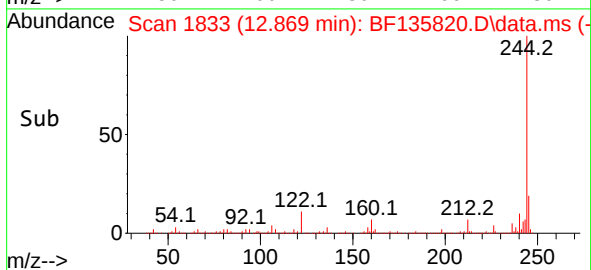
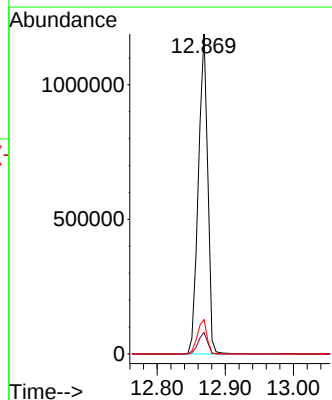
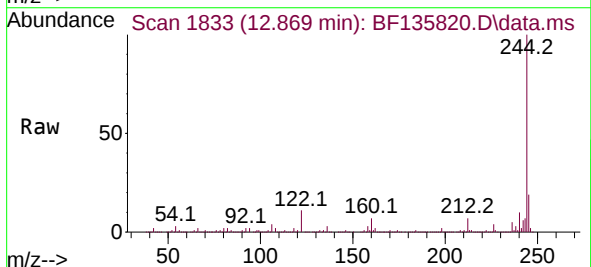
Instrument :
BNA_F
ClientSampleId :
A-1

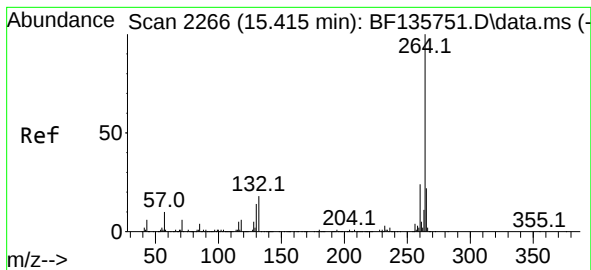
Tgt Ion:184 Resp: 13549
Ion Ratio Lower Upper
184 100
185 16.1 12.0 18.0
183 4.3 8.2 12.2#



#79
Terphenyl-d14
Concen: 115.419 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

Tgt Ion:244 Resp: 1129805
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.7 9.0 13.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135820.D
Acq: 17 Oct 2023 19:28

Instrument :
BNA_F
ClientSampleId :
A-1

Tgt Ion:264 Resp: 159389

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.6	17.4	26.2

