

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135854.D
 Acq On : 18 Oct 2023 18:42
 Operator : CG\JU
 Sample : 04723-03DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6ADL

Quant Time: Oct 18 19:03:15 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)

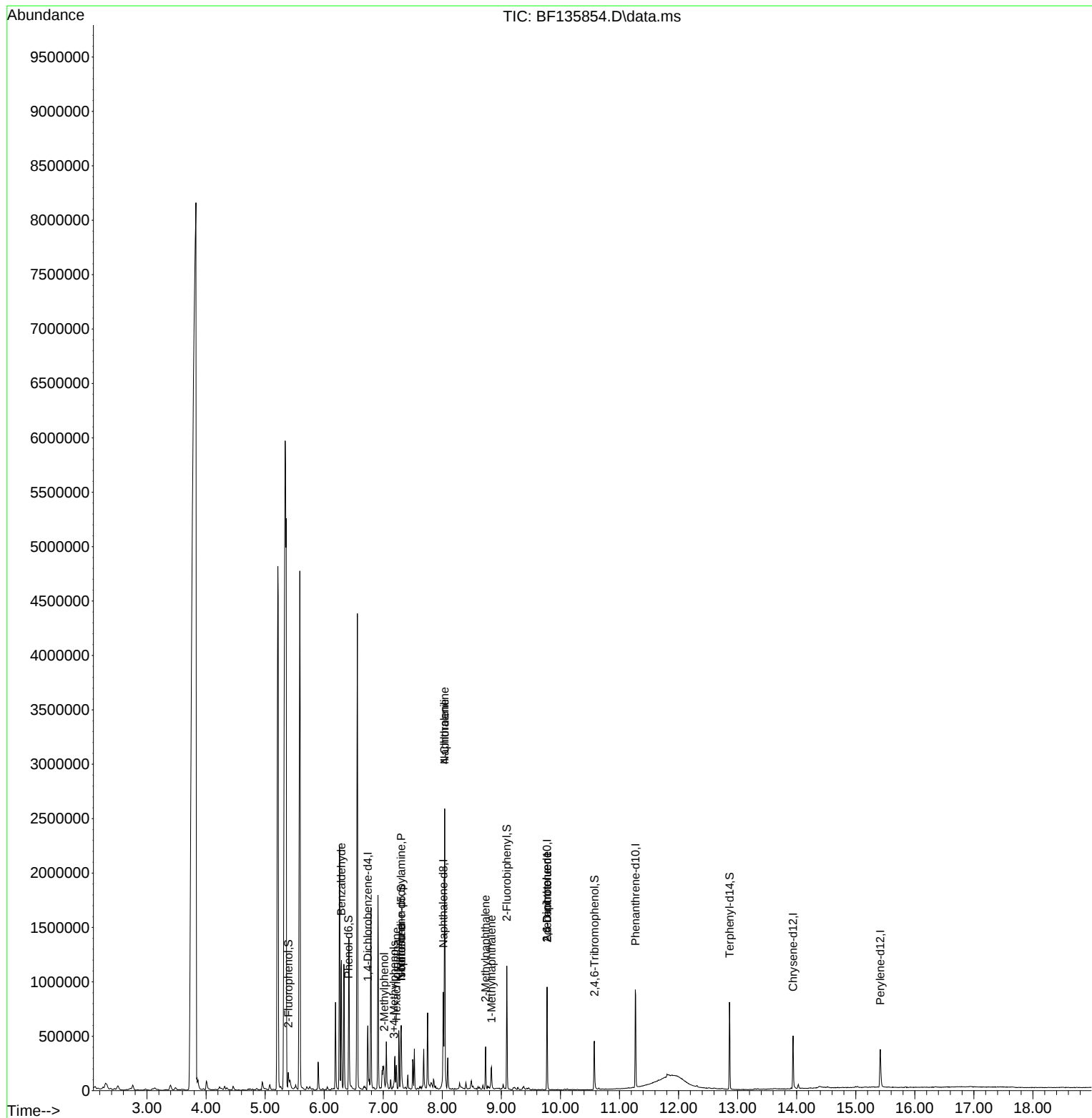
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	91257	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	342524	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	173475	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	352455	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	170821	20.000	ng	-0.01
86) Perylene-d12	15.415	264	181623	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	78046	13.750	ng	0.02
7) Phenol-d6	6.410	99	48373	6.830	ng	0.01
23) Nitrobenzene-d5	7.304	82	139879	22.460	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	60515	36.353	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	314164	28.315	ng	-0.01
79) Terphenyl-d14	12.863	244	269463	29.213	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.292	77	50344	12.489	ng	# 1
17) 2-Methylphenol	7.016	107	14604	2.756	ng	# 85
18) Hexachloroethane	7.222	117	5651	2.479	ng	# 1
19) n-Nitroso-di-n-propyla...	7.304	70	18548	4.236	ng	# 79
20) 3+4-Methylphenols	7.181	107	23384	3.540	ng	# 84
25) Isophorone	7.304	82	139879	11.905	ng	# 66
31) Naphthalene	8.039	128	973128	58.247	ng	98
33) 4-Chloroaniline	8.039	127	130607	17.896	ng	# 34
37) 2-Methylnaphthalene	8.733	142	94409	8.577	ng	99
38) 1-Methylnaphthalene	8.833	142	50488	4.973	ng	98
51) 2,6-Dinitrotoluene	9.775	165	21806	8.659	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	21806	6.806	ng	# 24

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

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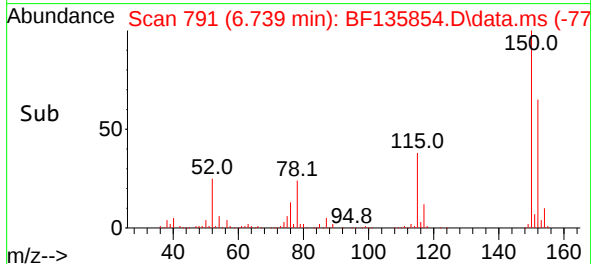
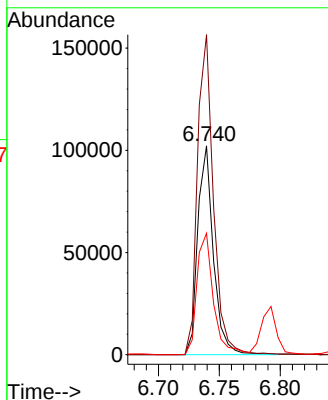
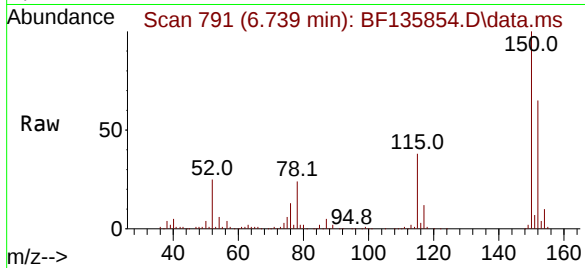




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 791
 Delta R.T. -0.007 min
 Lab File: BF135854.D
 Acq: 18 Oct 2023 18:42

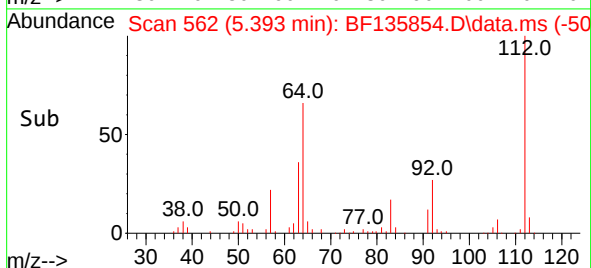
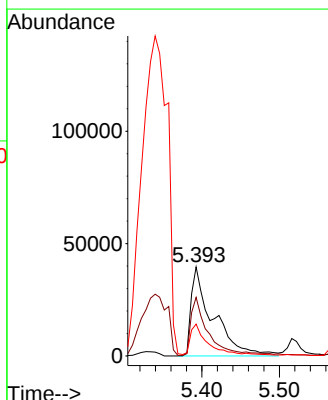
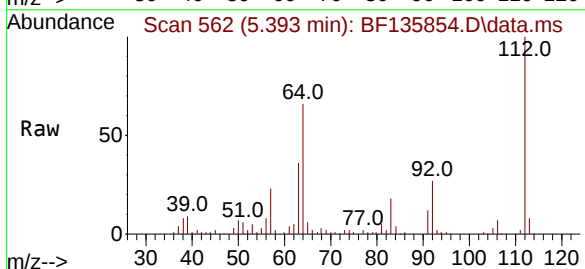
Instrument :
 BNA_F
 ClientSampleId :
 MW-6ADL

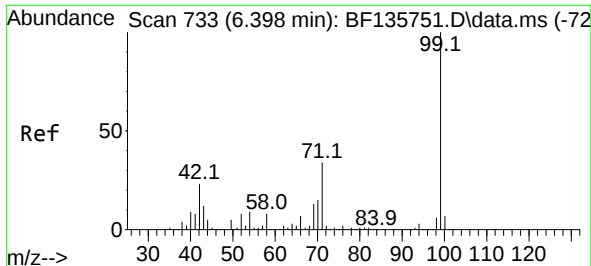
Tgt Ion:152 Resp: 91257
 Ion Ratio Lower Upper
 152 100
 150 153.3 124.5 186.7
 115 58.1 49.0 73.4



#5
 2-Fluorophenol
 Concen: 13.750 ng
 RT: 5.393 min Scan# 562
 Delta R.T. 0.018 min
 Lab File: BF135854.D
 Acq: 18 Oct 2023 18:42

Tgt Ion:112 Resp: 78046
 Ion Ratio Lower Upper
 112 100
 64 65.9 51.2 76.8
 63 35.8 26.1 39.1





#7

Phenol-d6

Concen: 6.830 ng

RT: 6.410 min Scan# 715

Delta R.T. 0.012 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

Instrument :

BNA_F

ClientSampleId :

MW-6ADL

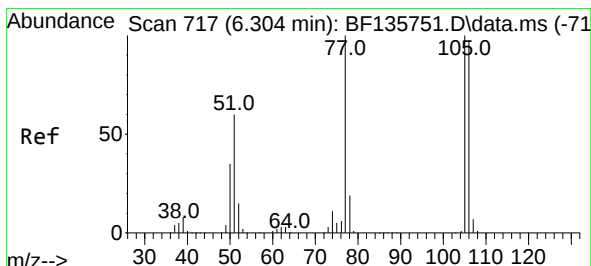
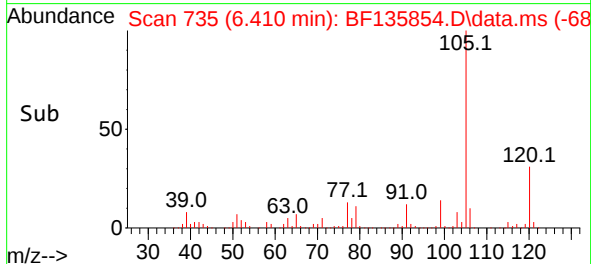
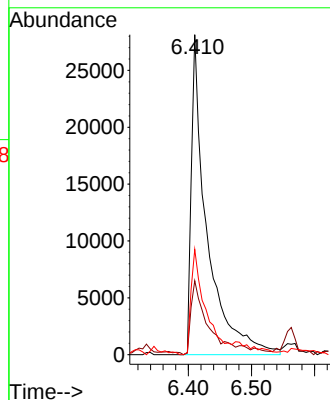
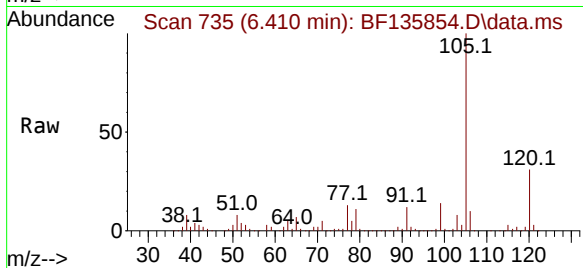
Tgt Ion: 99 Resp: 48373

Ion Ratio Lower Upper

99 100

42 23.1 18.4 27.6

71 32.9 27.2 40.8



#9

Benzaldehyde

Concen: 12.489 ng

RT: 6.292 min Scan# 715

Delta R.T. -0.012 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

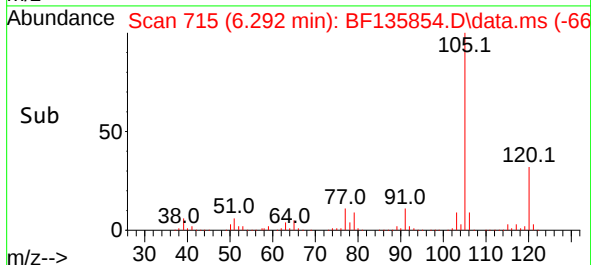
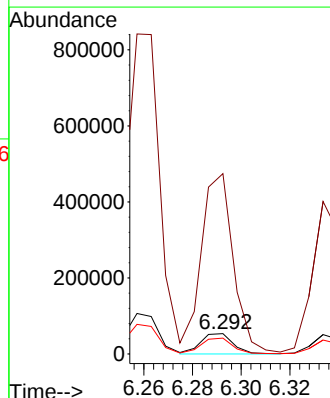
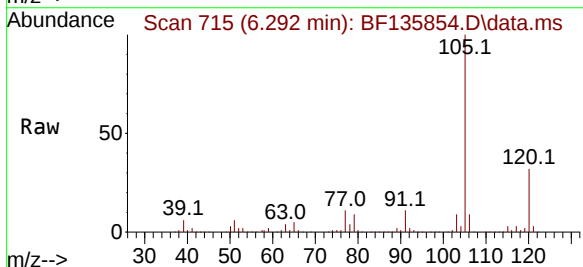
Tgt Ion: 77 Resp: 50344

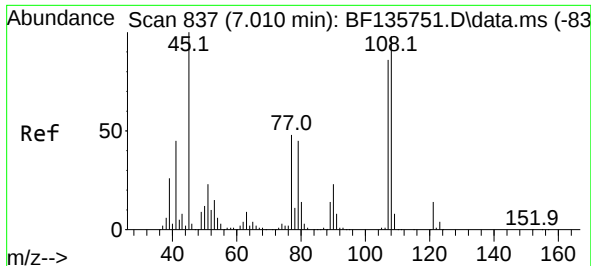
Ion Ratio Lower Upper

77 100

105 886.1 79.9 119.9#

106 78.1 77.1 117.1

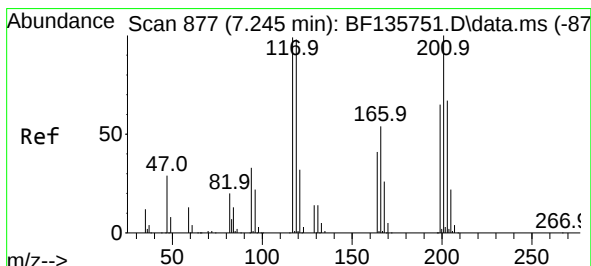
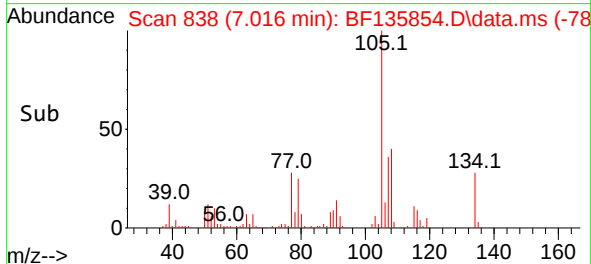
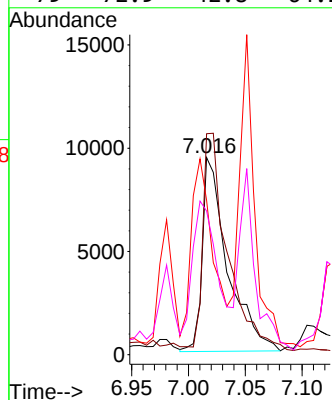
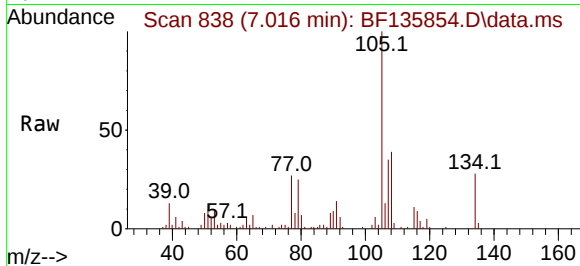




#17
2-Methylphenol
Concen: 2.756 ng
RT: 7.016 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

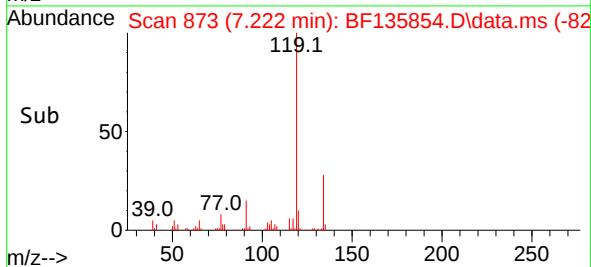
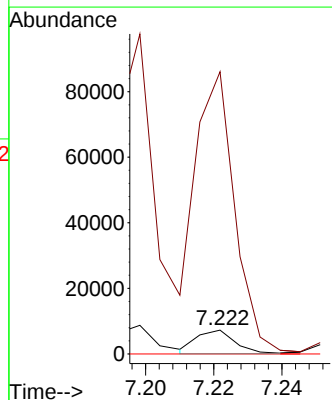
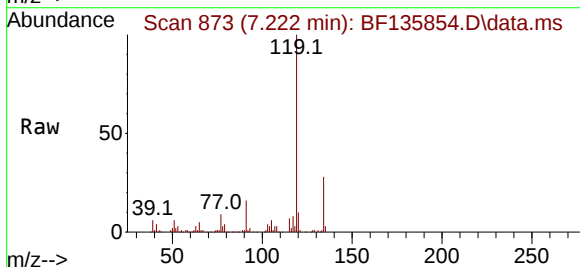
Instrument :
BNA_F
ClientSampleId :
MW-6ADL

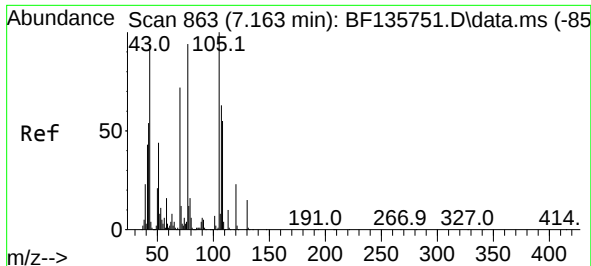
Tgt Ion:107 Resp: 14604
Ion Ratio Lower Upper
107 100
108 112.1 91.8 137.6
77 78.4 45.4 68.0#
79 72.9 42.8 64.2#



#18
Hexachloroethane
Concen: 2.479 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.024 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

Tgt Ion:117 Resp: 5651
Ion Ratio Lower Upper
117 100
119 1187.3 79.5 119.3#
201 0.0 80.9 121.3#

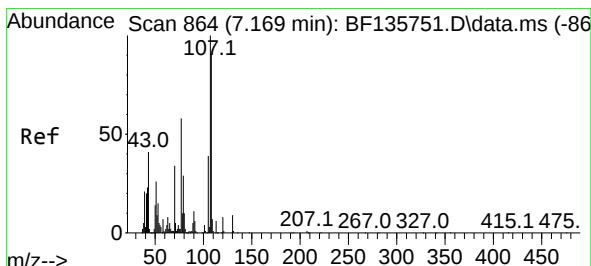
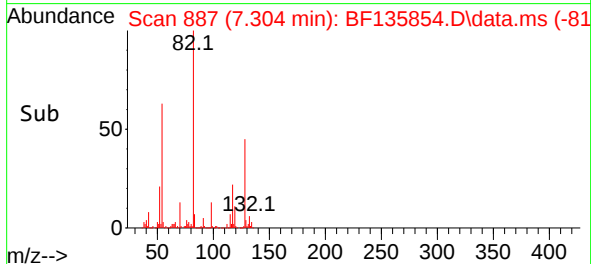
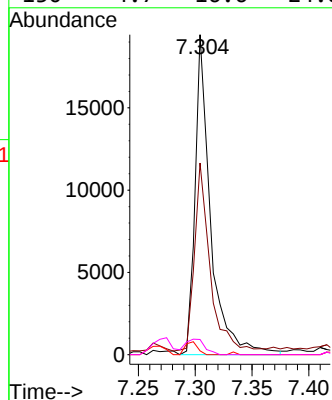
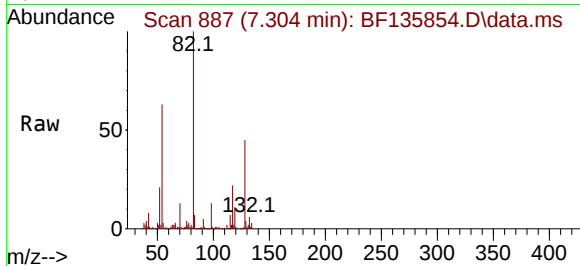




#19
n-Nitroso-di-n-propylamine
Concen: 4.236 ng
RT: 7.304 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

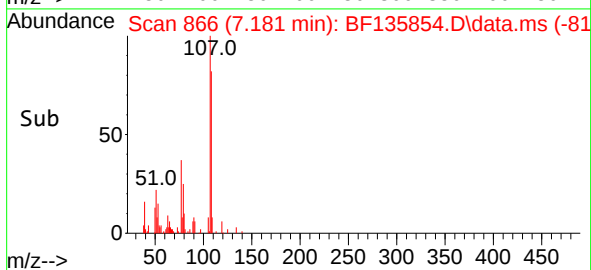
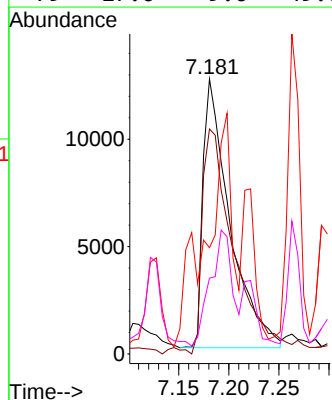
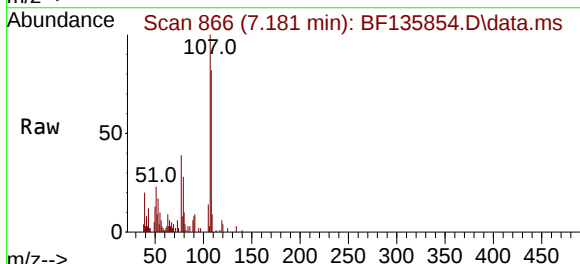
Instrument :
BNA_F
ClientSampleId :
MW-6ADL

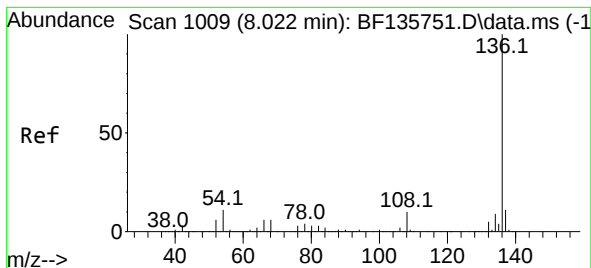
Tgt Ion:	70	Resp:	18548
Ion	Ratio	Lower	Upper
70	100		
42	59.9	59.8	89.6
101	1.2	7.4	11.2#
130	4.7	16.6	24.8#



#20
3+4-Methylphenols
Concen: 3.540 ng
RT: 7.181 min Scan# 866
Delta R.T. 0.012 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

Tgt Ion:	107	Resp:	23384
Ion	Ratio	Lower	Upper
107	100		
108	81.8	71.1	111.1
77	38.6	42.0	82.0#
79	27.6	9.6	49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

Instrument :

BNA_F

ClientSampleId :

MW-6ADL

Tgt Ion:136 Resp: 342524

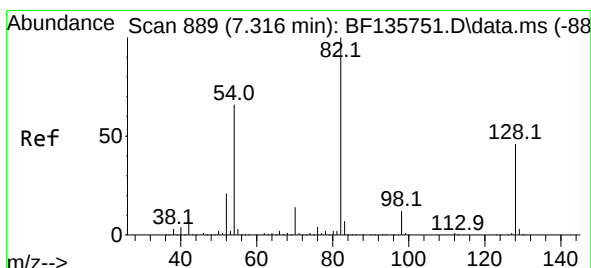
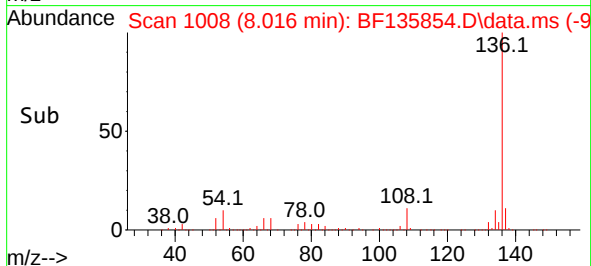
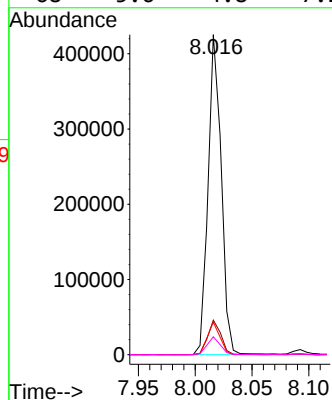
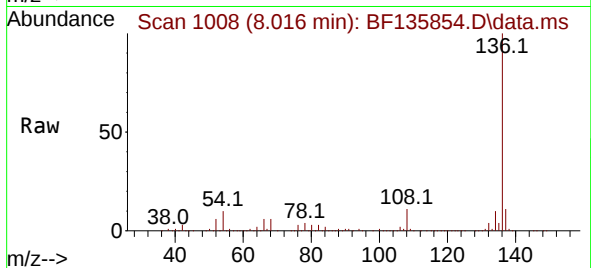
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 10.1 8.5 12.7

68 5.6 4.8 7.2



#23

Nitrobenzene-d5

Concen: 22.460 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

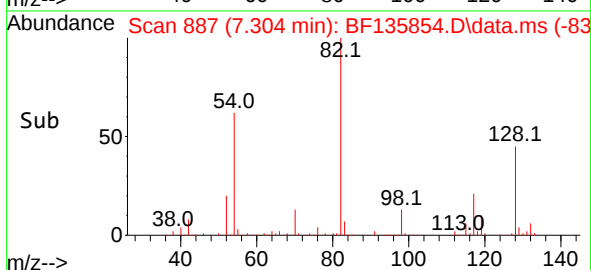
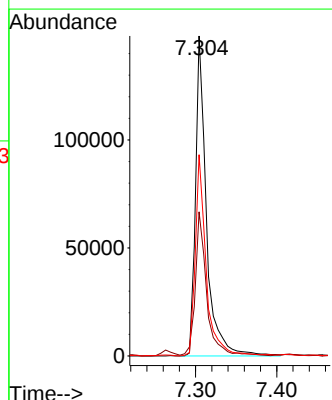
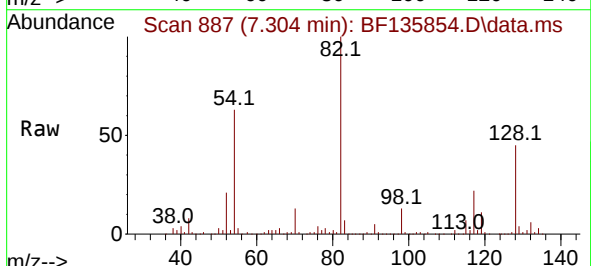
Tgt Ion: 82 Resp: 139879

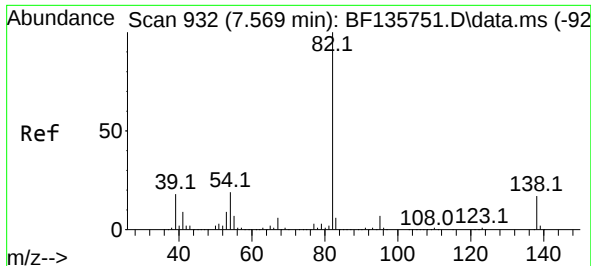
Ion Ratio Lower Upper

82 100

128 45.0 37.0 55.6

54 62.9 52.8 79.2

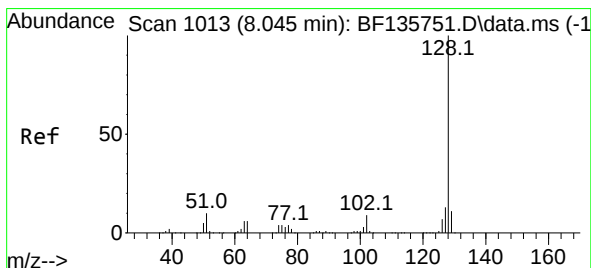
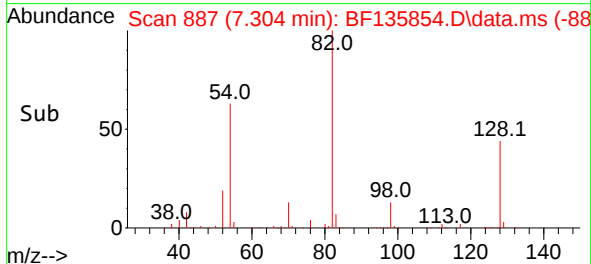
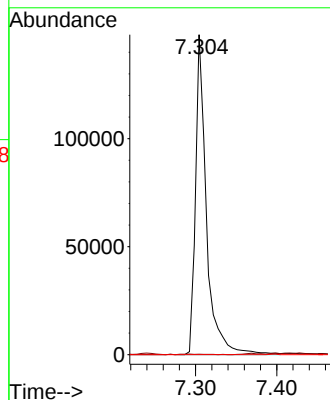
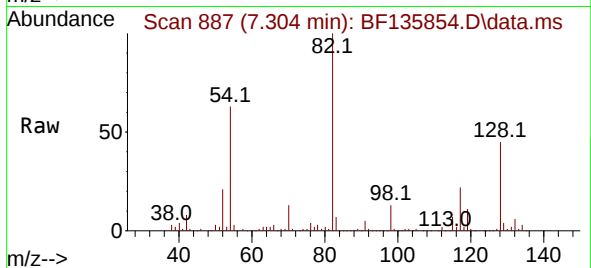




#25
Isophorone
Concen: 11.905 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

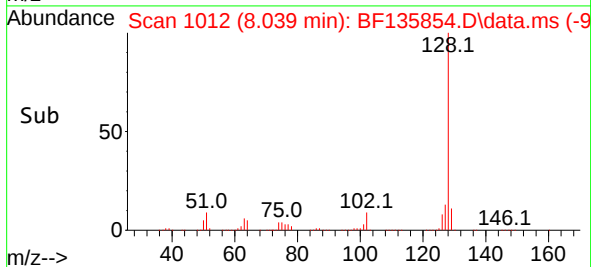
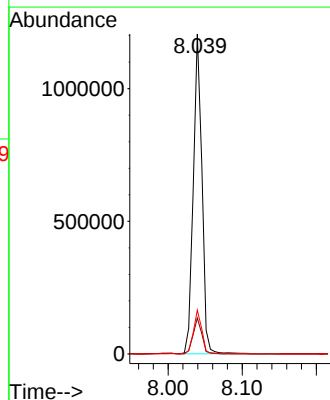
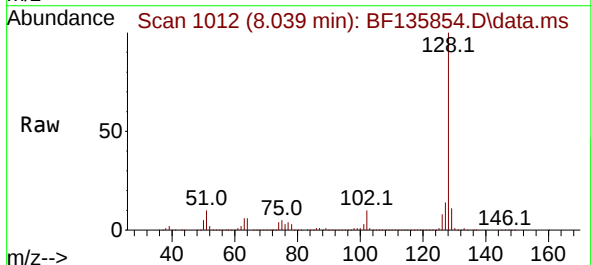
Instrument :
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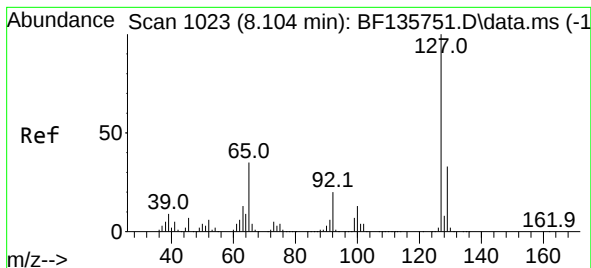
Tgt Ion: 82 Resp: 139879
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 58.247 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

Tgt Ion: 128 Resp: 973128
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.7 10.2 15.4

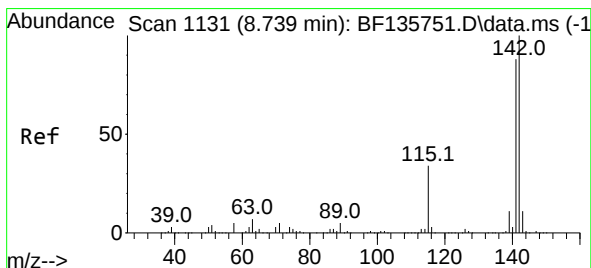
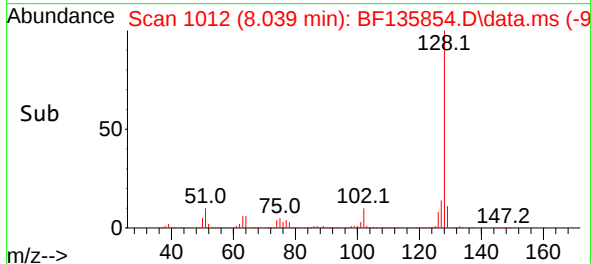
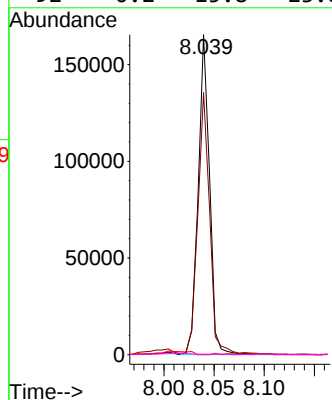
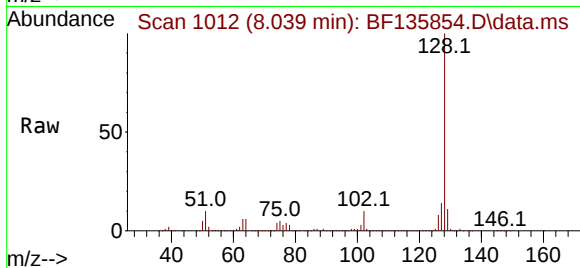




#33
4-Chloroaniline
Concen: 17.896 ng
RT: 8.039 min Scan# 110
Delta R.T. -0.065 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

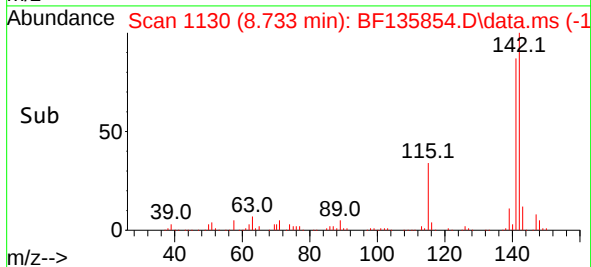
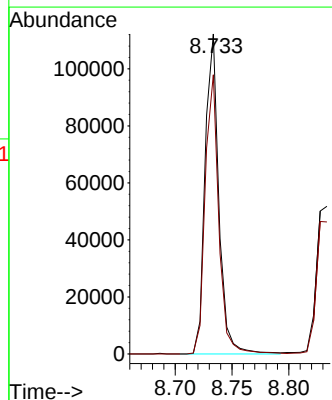
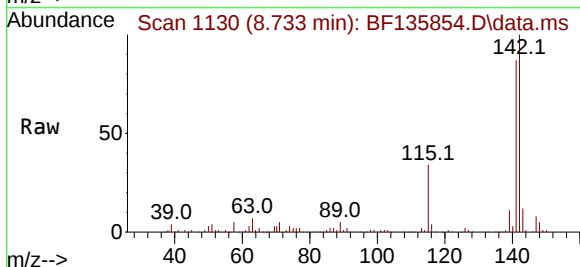
Instrument :
BNA_F
ClientSampleId :
MW-6ADL

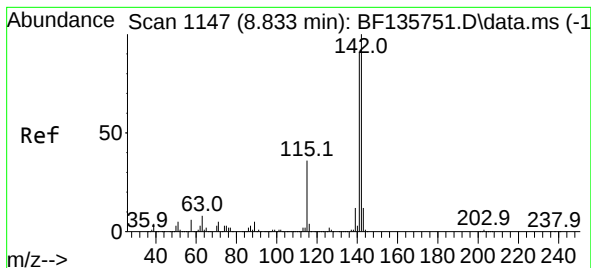
Tgt Ion:127 Resp: 130607
Ion Ratio Lower Upper
127 100
129 81.9 26.5 39.7#
65 0.0 27.9 41.9#
92 0.2 15.8 23.8#



#37
2-Methylnaphthalene
Concen: 8.577 ng
RT: 8.733 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

Tgt Ion:142 Resp: 94409
Ion Ratio Lower Upper
142 100
141 87.3 70.6 105.8





#38

1-Methylnaphthalene

Concen: 4.973 ng

RT: 8.833 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

Instrument :

BNA_F

ClientSampleId :

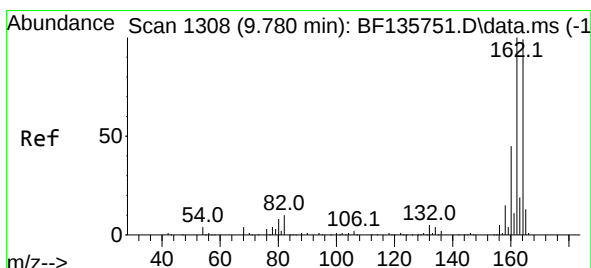
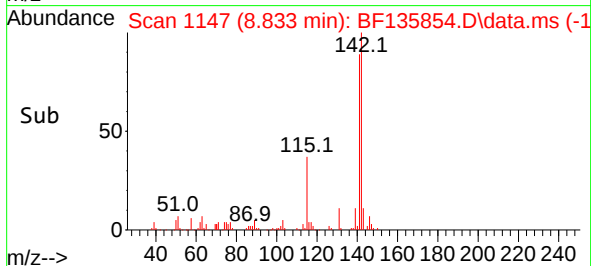
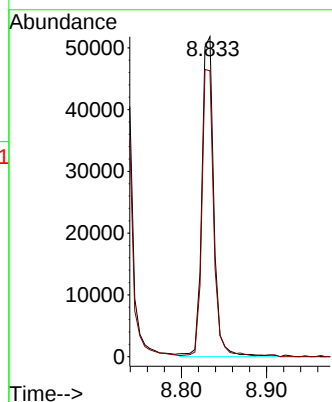
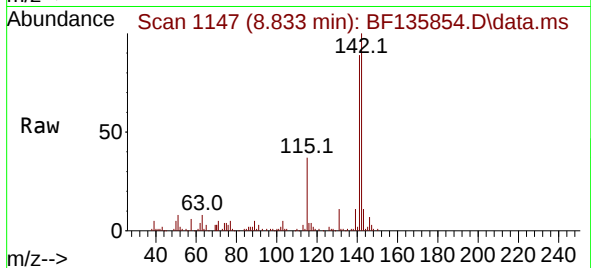
MW-6ADL

Tgt Ion:142 Resp: 50488

Ion Ratio Lower Upper

142 100

141 89.4 72.7 109.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

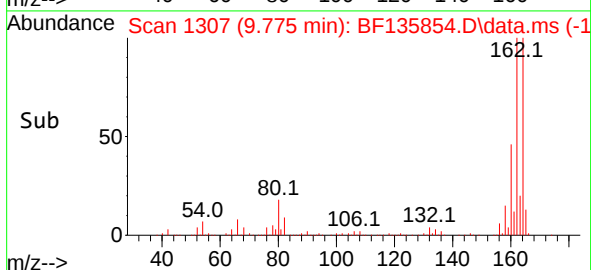
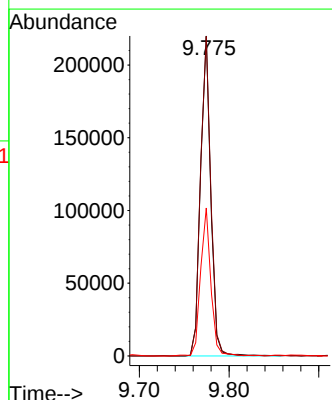
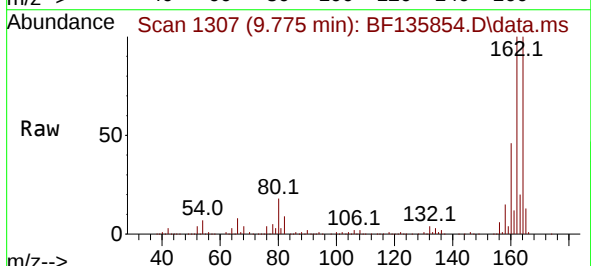
Tgt Ion:164 Resp: 173475

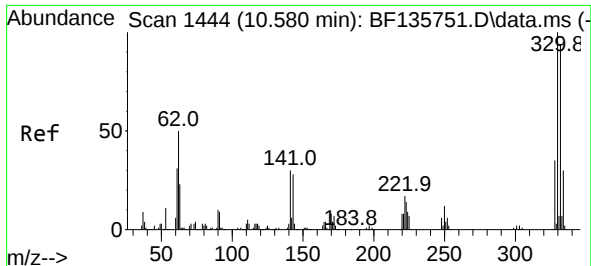
Ion Ratio Lower Upper

164 100

162 99.9 80.8 121.2

160 46.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 36.353 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135854.D

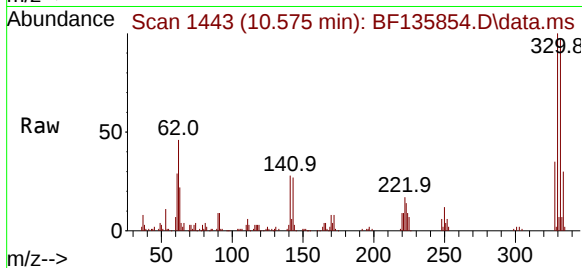
Acq: 18 Oct 2023 18:42

Instrument :

BNA_F

ClientSampleId :

MW-6ADL



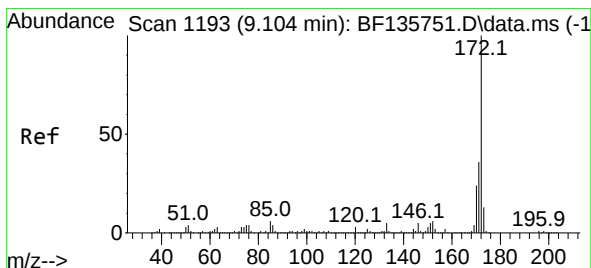
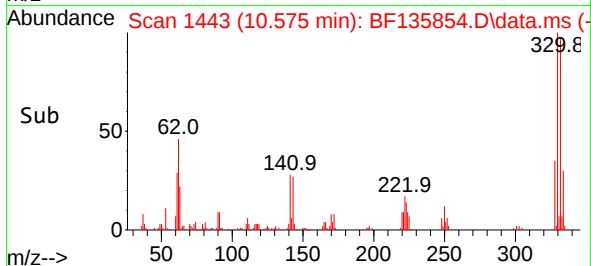
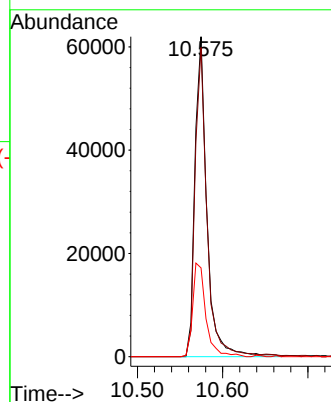
Tgt Ion:330 Resp: 60515

Ion Ratio Lower Upper

330 100

332 95.2 75.0 112.4

141 32.1 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 28.315 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

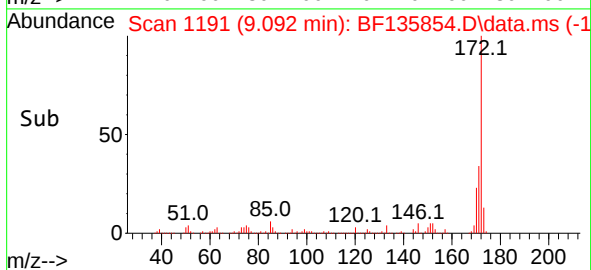
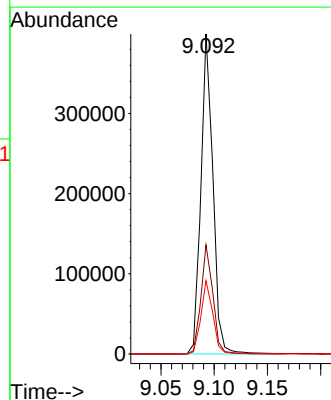
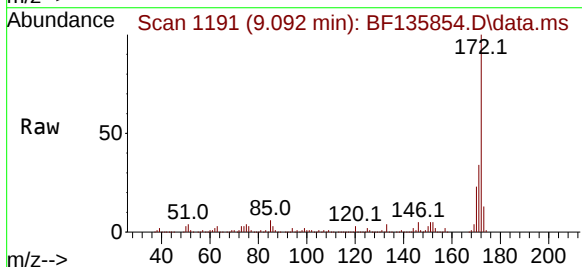
Tgt Ion:172 Resp: 314164

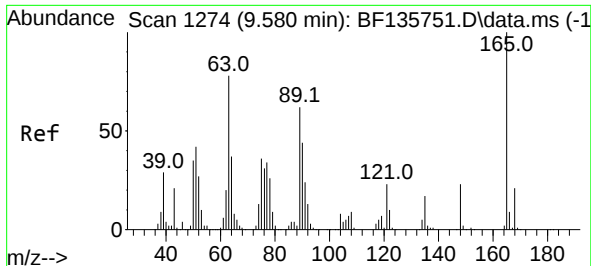
Ion Ratio Lower Upper

172 100

171 34.0 28.4 42.6

170 22.9 18.8 28.2

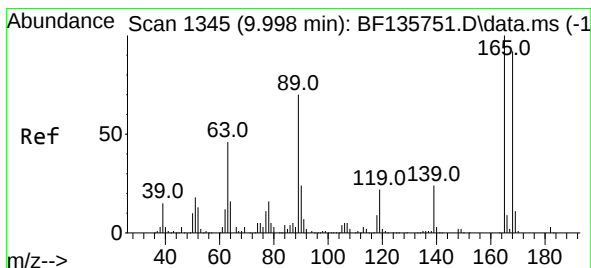
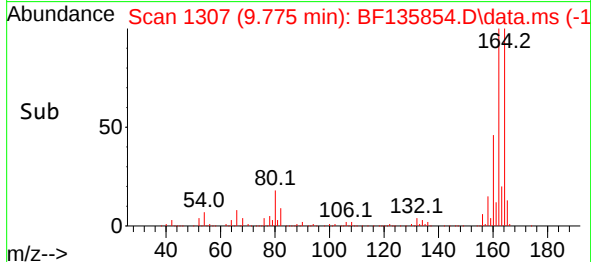
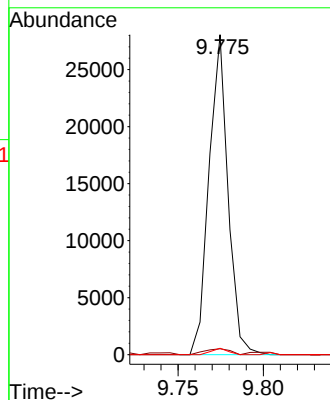
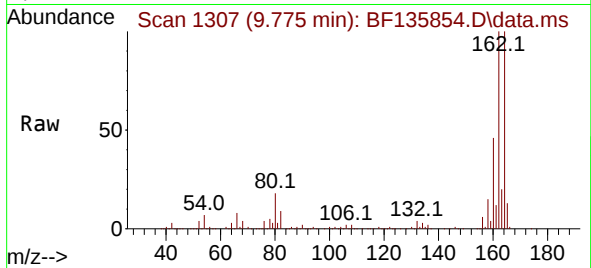




#51
2,6-Dinitrotoluene
Concen: 8.659 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

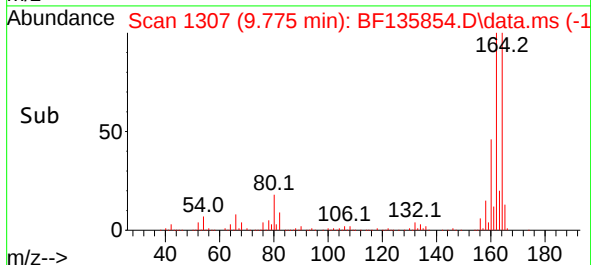
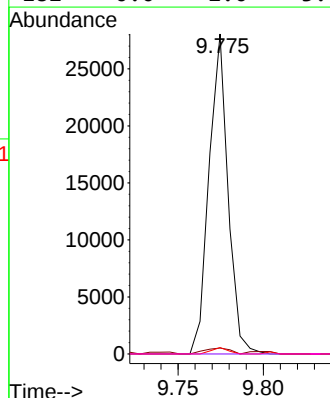
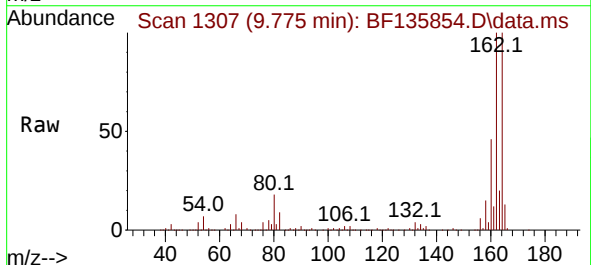
Instrument :
BNA_F
ClientSampleId :
MW-6ADL

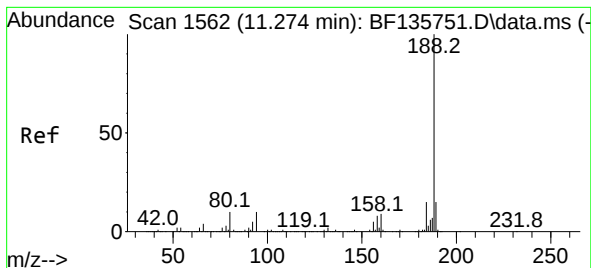
Tgt Ion:165 Resp: 21806
Ion Ratio Lower Upper
165 100
63 1.9 62.2 93.4#
89 2.0 49.6 74.4#



#57
2,4-Dinitrotoluene
Concen: 6.806 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135854.D
Acq: 18 Oct 2023 18:42

Tgt Ion:165 Resp: 21806
Ion Ratio Lower Upper
165 100
63 1.9 39.0 58.4#
89 2.0 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: BF135854.D

Acq: 18 Oct 2023 18:42

Instrument :

BNA_F

ClientSampleId :

MW-6ADL

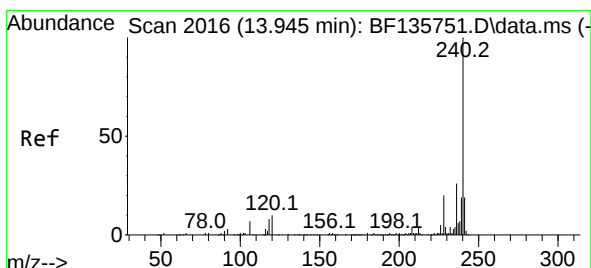
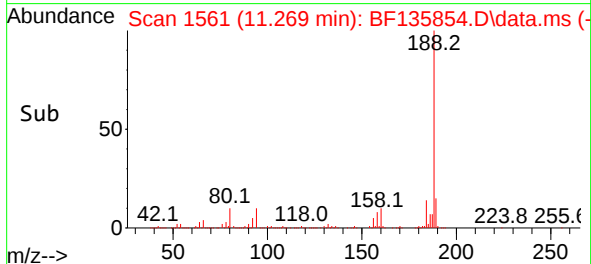
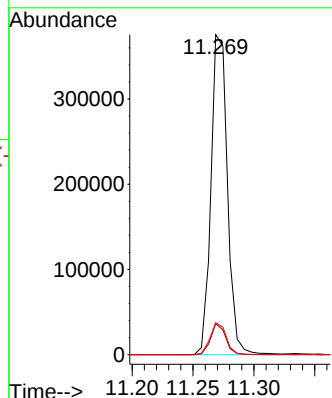
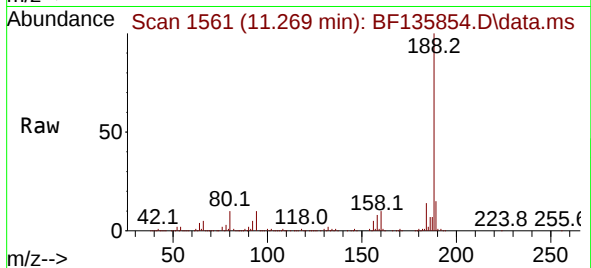
Tgt Ion:188 Resp: 352455

Ion Ratio Lower Upper

188 100

94 9.7 8.0 12.0

80 10.0 8.3 12.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135854.D

Acq: 18 Oct 2023 18:42

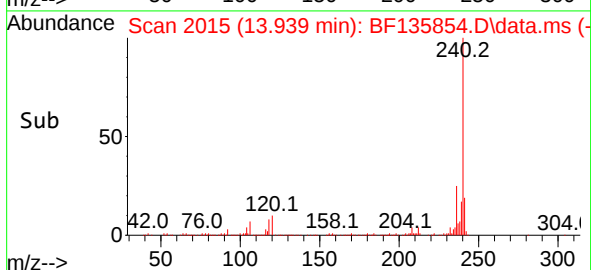
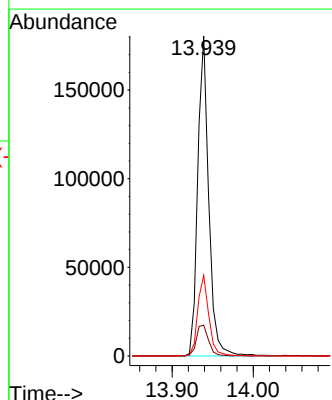
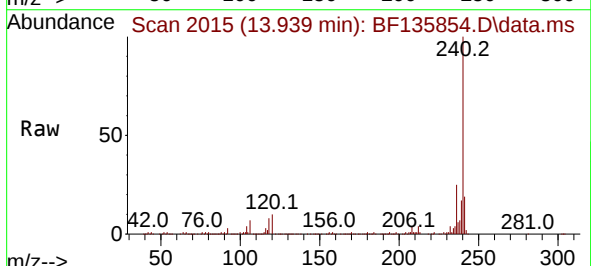
Tgt Ion:240 Resp: 170821

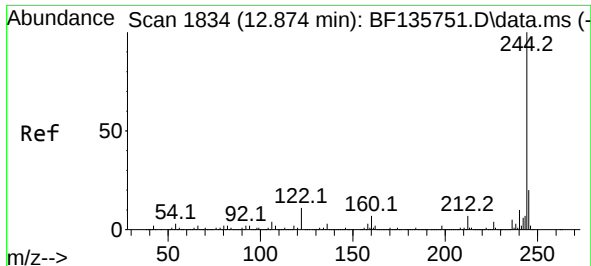
Ion Ratio Lower Upper

240 100

120 9.6 8.2 12.2

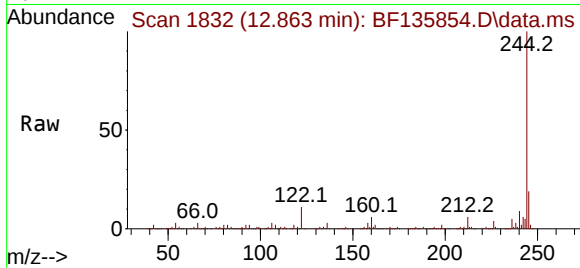
236 25.2 21.2 31.8



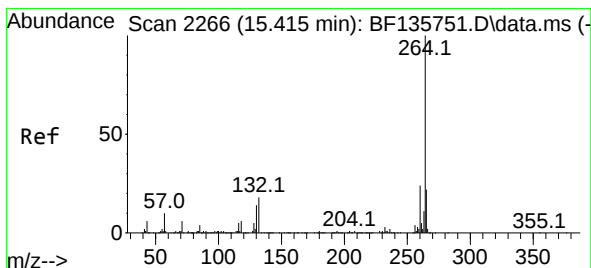
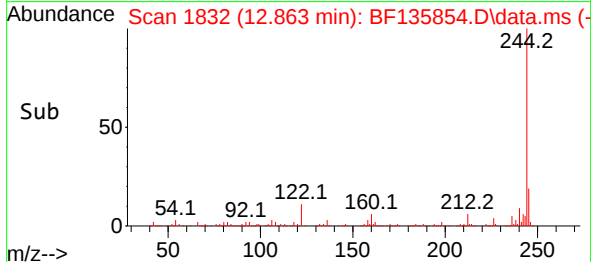
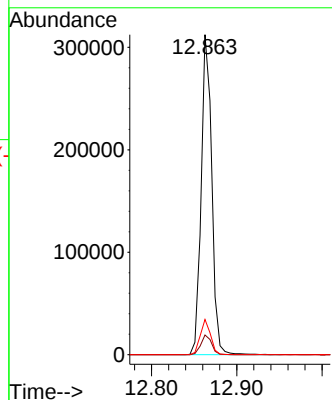


#79
 Terphenyl-d14
 Concen: 29.213 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.018 min
 Lab File: BF135854.D
 Acq: 18 Oct 2023 18:42

Instrument :
 BNA_F
 ClientSampleId :
 MW-6ADL



Tgt Ion:244 Resp: 269463
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.6 8.4
 122 11.0 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2266
 Delta R.T. -0.006 min
 Lab File: BF135854.D
 Acq: 18 Oct 2023 18:42

Tgt Ion:264 Resp: 181623
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.0 17.4 26.2

