

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135817.D
 Acq On : 17 Oct 2023 17:54
 Operator : CG\JU
 Sample : 04723-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6A

Quant Time: Oct 18 01:59:48 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)

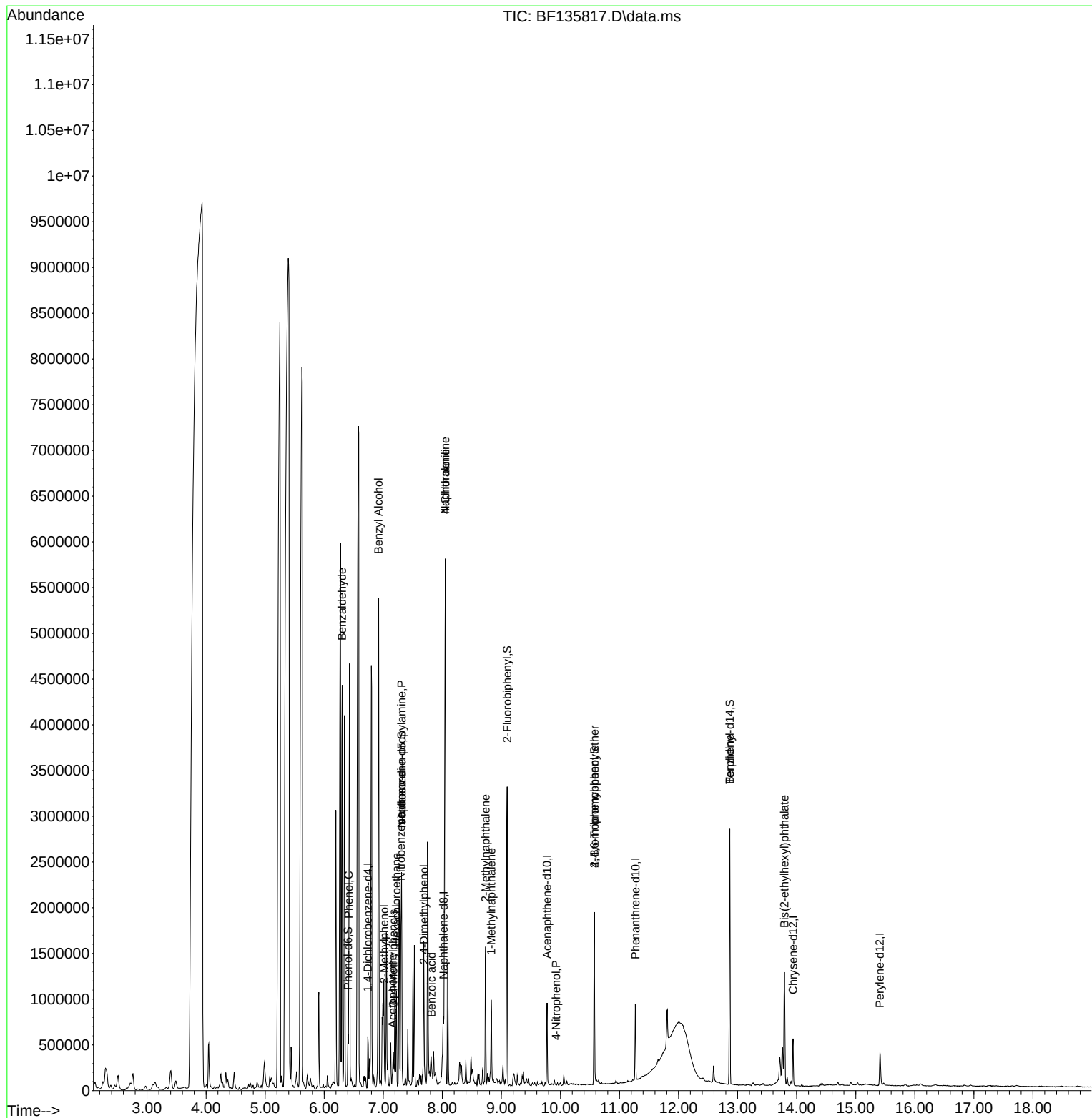
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	85192	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	312617	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	168626	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	300159	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	175672	20.000	ng	-0.01
86) Perylene-d12	15.410	264	183034	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	8778	1.657	ng	-0.03
7) Phenol-d6	6.404	99	216058	32.679	ng	0.00
23) Nitrobenzene-d5	7.310	82	553273	97.338	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	229652	141.927	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1014734	94.087	ng	0.00
79) Terphenyl-d14	12.868	244	990439	104.411	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.304	77	175132	46.540	ng	# 1
10) Phenol	6.416	94	22383	3.231	ng	# 1
15) Benzyl Alcohol	6.922	79	9009	2.049	ng	# 1
17) 2-Methylphenol	7.016	107	66681	13.480	ng	93
18) Hexachloroethane	7.222	117	23918	11.241	ng	# 1
19) n-Nitroso-di-n-propyla...	7.310	70	73870	18.070	ng	# 76
20) 3+4-Methylphenols	7.169	107	112876	18.304	ng	# 82
22) Acetophenone	7.157	105	33176	4.627	ng	# 97
24) Nitrobenzene	7.298	77	25561	4.481	ng	# 1
25) Isophorone	7.310	82	551666	51.445	ng	# 66
27) 2,4-Dimethylphenol	7.692	122	34168	7.455	ng	98
31) Naphthalene	8.051	128	3049614	199.999	ng	97
32) Benzoic acid	7.816	122	20983	6.764	ng	# 58
33) 4-Chloroaniline	8.051	127	415220	62.338	ng	# 34
37) 2-Methylnaphthalene	8.733	142	365870	36.419	ng	100
38) 1-Methylnaphthalene	8.828	142	199105	21.488	ng	99
56) 4-Nitrophenol	9.928	139	274	5.678	ng	# 43
67) 4-Bromophenyl-phenylether	10.575	248	15051	4.995	ng	# 1
77) Benzidine	12.868	184	12543	3.272	ng	# 94
84) Bis(2-ethylhexyl)phtha...	13.792	149	546422	65.722	ng	# 53

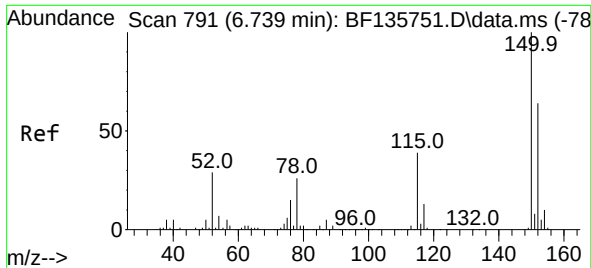
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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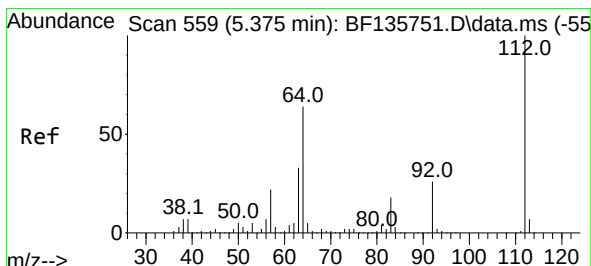
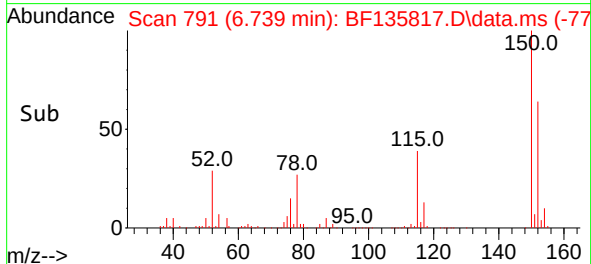
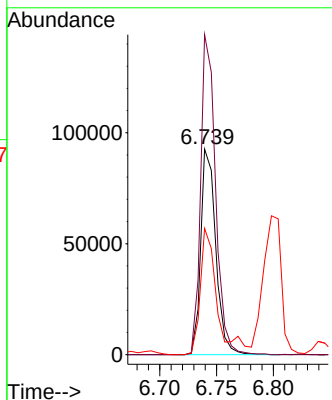
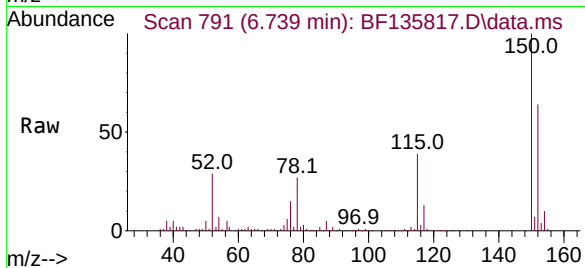




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

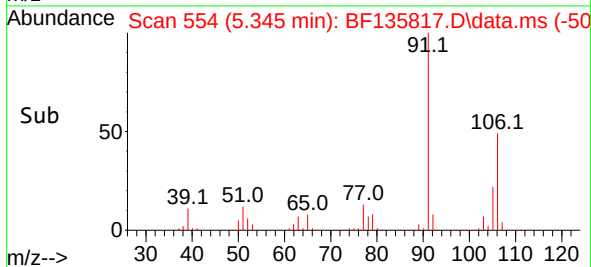
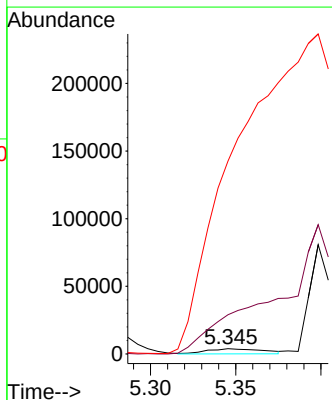
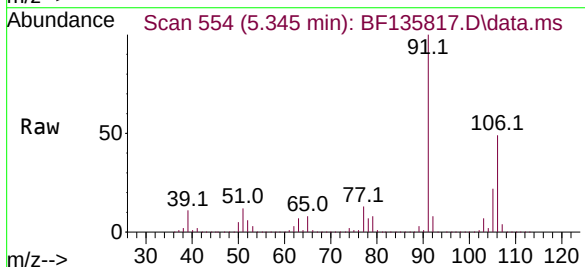
Instrument :
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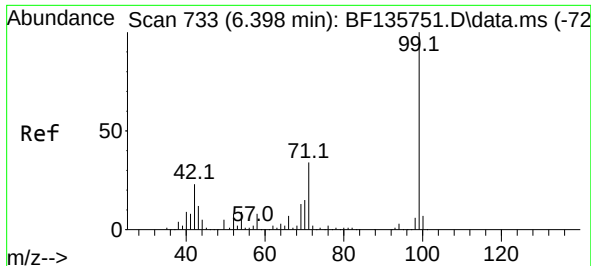
Tgt Ion:152 Resp: 85192
Ion Ratio Lower Upper
152 100
150 155.7 124.5 186.7
115 61.4 49.0 73.4



#5
2-Fluorophenol
Concen: 1.657 ng
RT: 5.345 min Scan# 554
Delta R.T. -0.030 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion:112 Resp: 8778
Ion Ratio Lower Upper
112 100
64 749.9 51.2 76.8#
63 3689.6 26.1 39.1#





#7

Phenol-d6

Concen: 32.679 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135817.D

Acq: 17 Oct 2023 17:54

Instrument :

BNA_F

ClientSampleId :

MW-6A

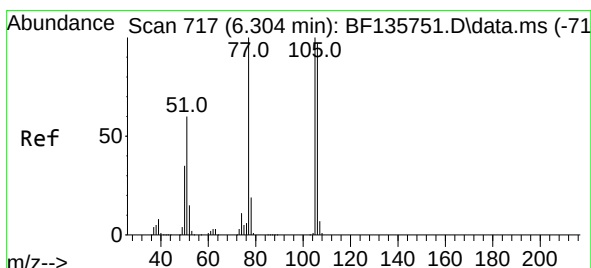
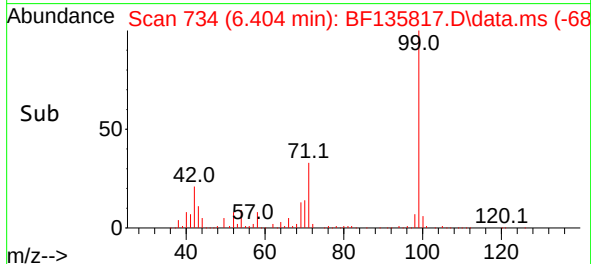
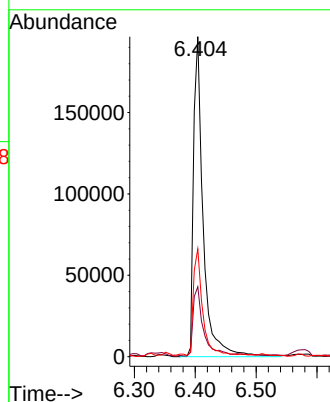
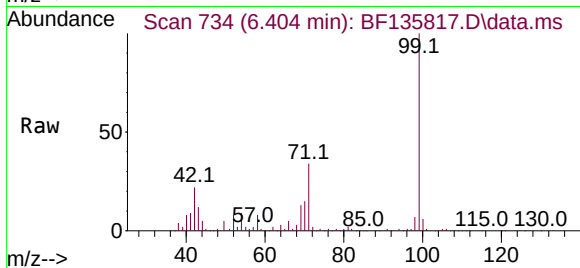
Tgt Ion: 99 Resp: 216058

Ion Ratio Lower Upper

99 100

42 21.8 18.4 27.6

71 33.7 27.2 40.8



#9

Benzaldehyde

Concen: 46.540 ng

RT: 6.304 min Scan# 717

Delta R.T. -0.000 min

Lab File: BF135817.D

Acq: 17 Oct 2023 17:54

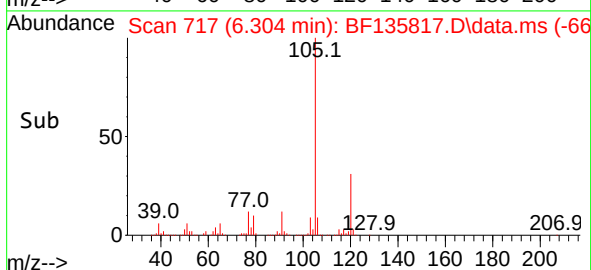
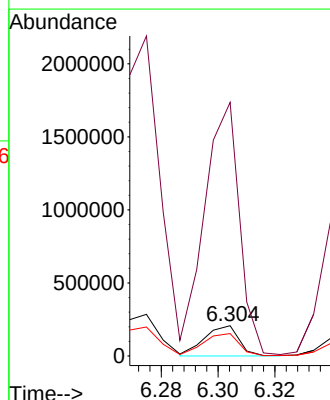
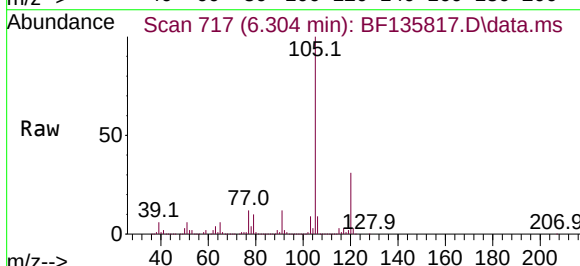
Tgt Ion: 77 Resp: 175132

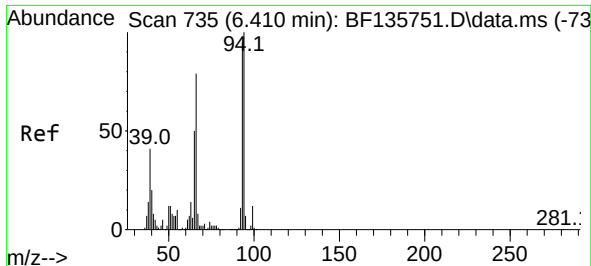
Ion Ratio Lower Upper

77 100

105 839.6 79.9 119.9#

106 74.2 77.1 117.1#

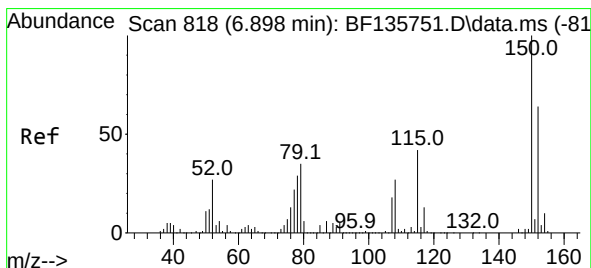
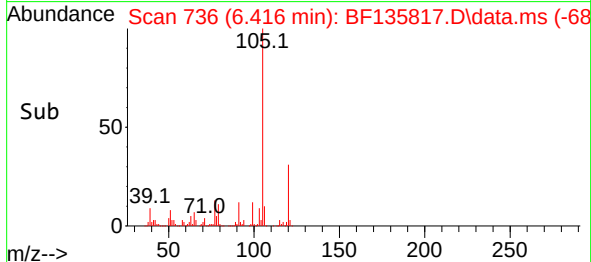
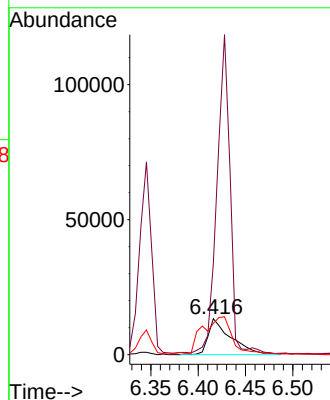
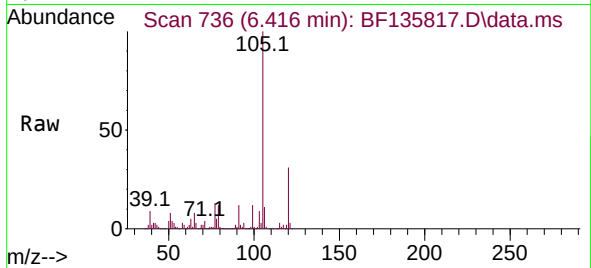




#10
Phenol
Concen: 3.231 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

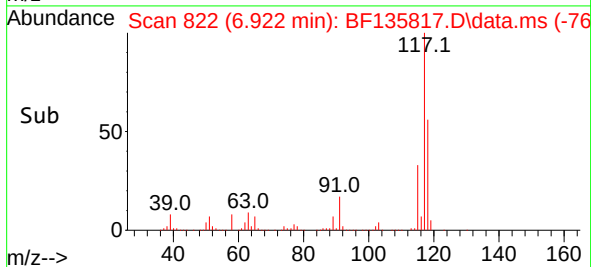
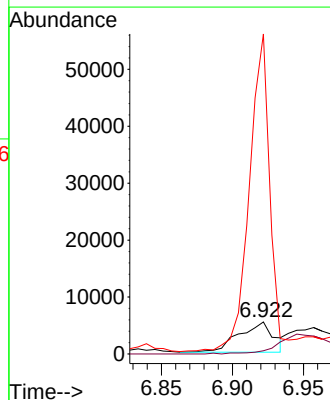
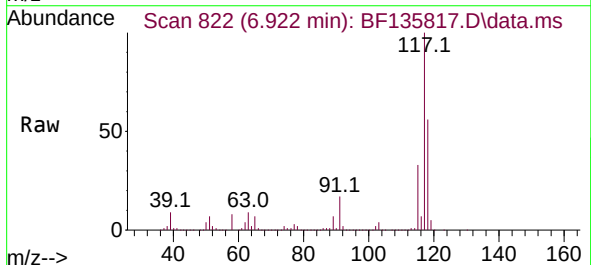
Instrument :
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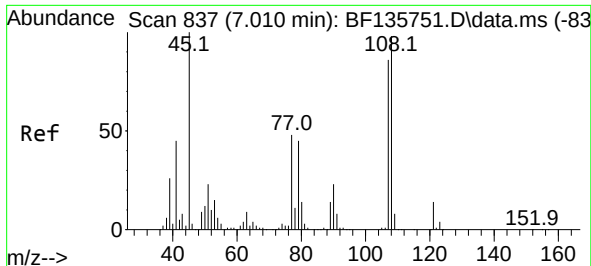
Tgt Ion: 94 Resp: 22383
Ion Ratio Lower Upper
94 100
65 252.2 30.3 70.3#
66 86.5 59.1 99.1



#15
Benzyl Alcohol
Concen: 2.049 ng
RT: 6.922 min Scan# 822
Delta R.T. 0.023 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion: 79 Resp: 9009
Ion Ratio Lower Upper
79 100
108 10.1 62.0 93.0#
77 998.5 50.5 75.7#

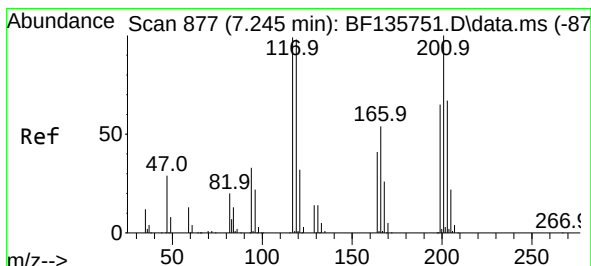
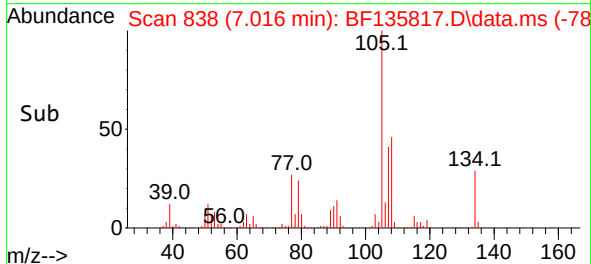
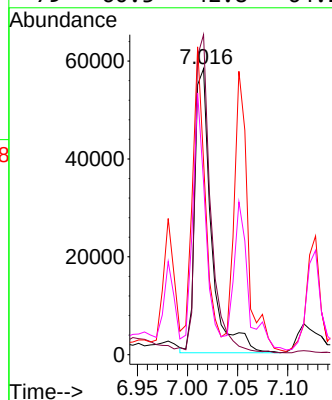
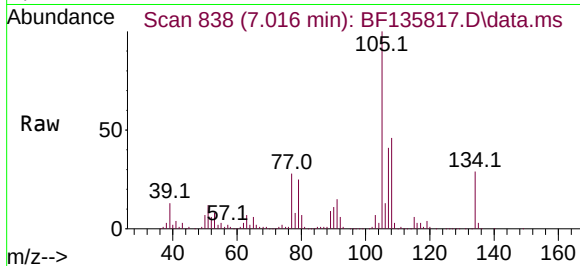




#17
2-Methylphenol
Concen: 13.480 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

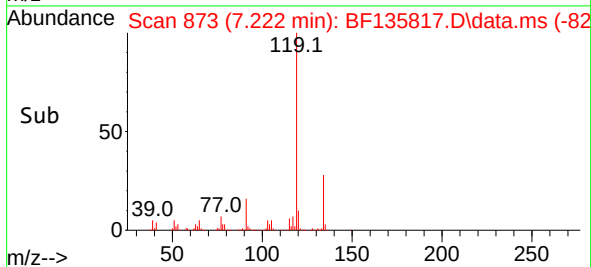
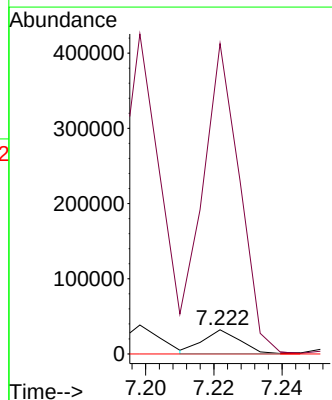
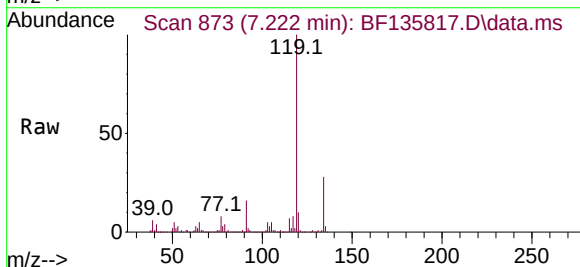
Instrument :
BNA_F
ClientSampleId :
MW-6A

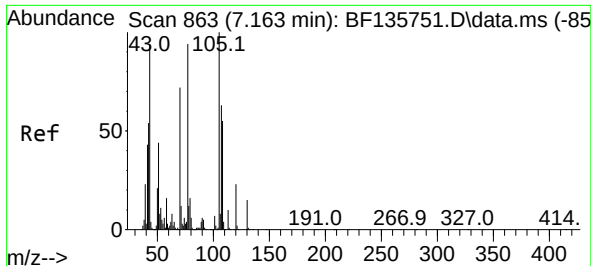
Tgt Ion:107 Resp: 66681
Ion Ratio Lower Upper
107 100
108 111.9 91.8 137.6
77 67.7 45.4 68.0
79 60.3 42.8 64.2



#18
Hexachloroethane
Concen: 11.241 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.024 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion:117 Resp: 23918
Ion Ratio Lower Upper
117 100
119 1281.2 79.5 119.3#
201 0.0 80.9 121.3#

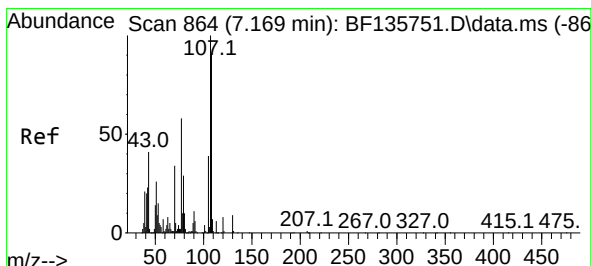
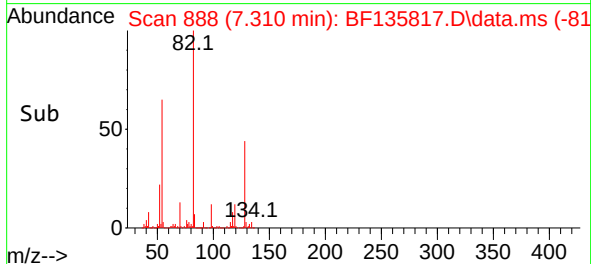
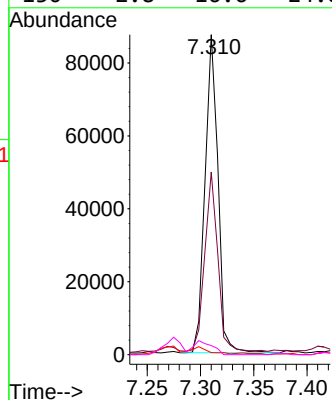
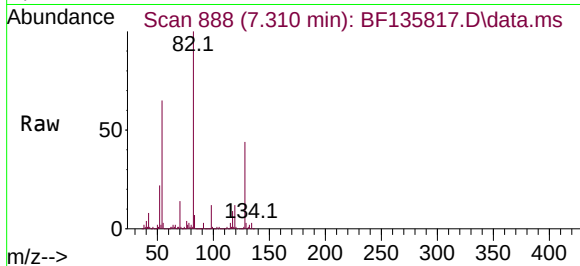




#19
n-Nitroso-di-n-propylamine
Concen: 18.070 ng
RT: 7.310 min Scan# 811
Delta R.T. 0.147 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

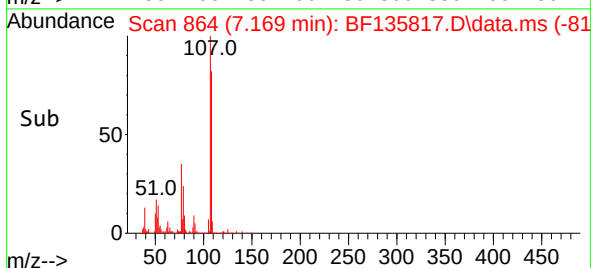
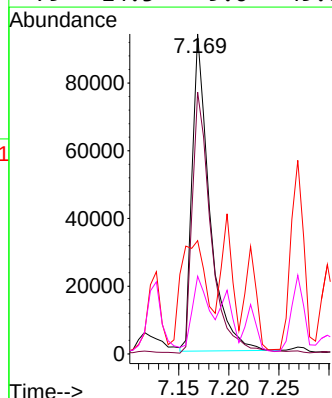
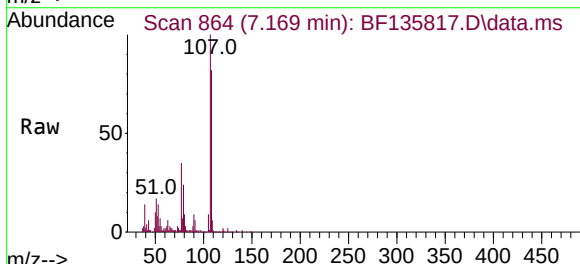
Instrument :
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ClientSampleId :
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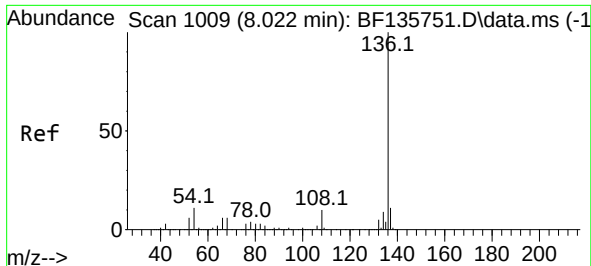
Tgt Ion: 70 Resp: 73870
Ion Ratio Lower Upper
70 100
42 57.1 59.8 89.6#
101 0.7 7.4 11.2#
130 2.8 16.6 24.8#



#20
3+4-Methylphenols
Concen: 18.304 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion: 107 Resp: 112876
Ion Ratio Lower Upper
107 100
108 81.9 71.1 111.1
77 35.4 42.0 82.0#
79 24.3 9.6 49.6

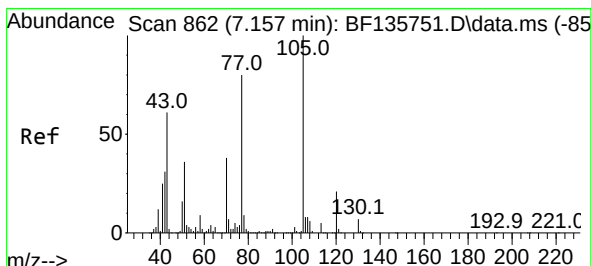
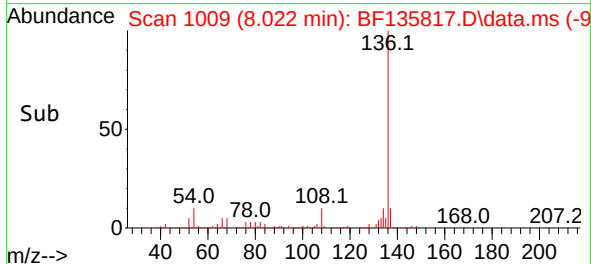
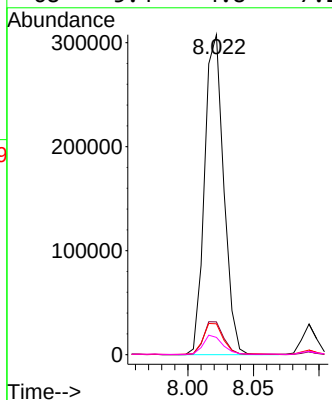
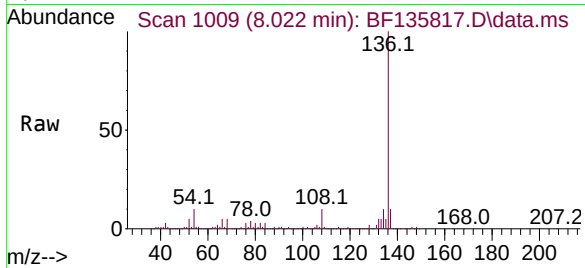




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

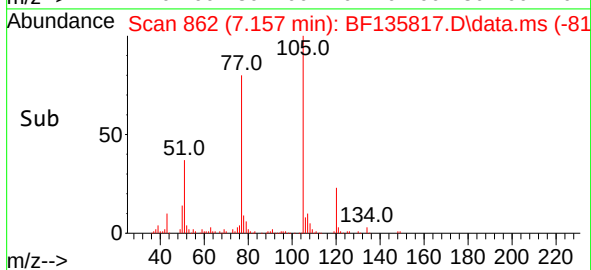
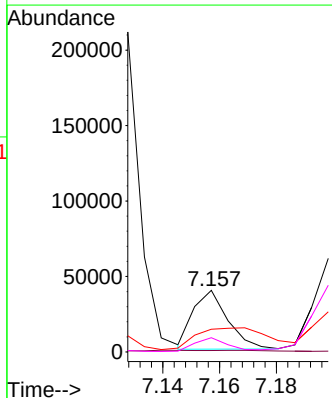
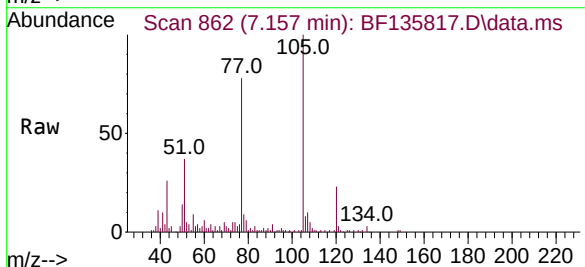
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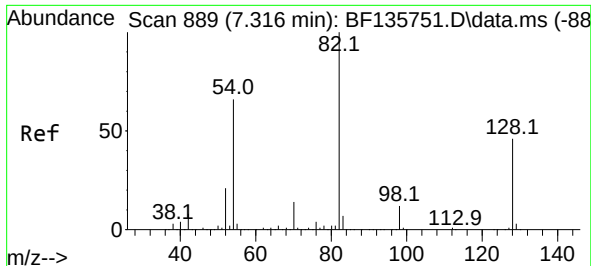
Tgt	Ion:136	Resp:	312617
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	12.8
54	9.7	8.5	12.7
68	5.4	4.8	7.2



#22
Acetophenone
Concen: 4.627 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt	Ion:105	Resp:	33176
Ion	Ratio	Lower	Upper
105	100		
71	2.3	5.4	8.0#
51	36.8	29.4	44.0
120	23.2	16.9	25.3

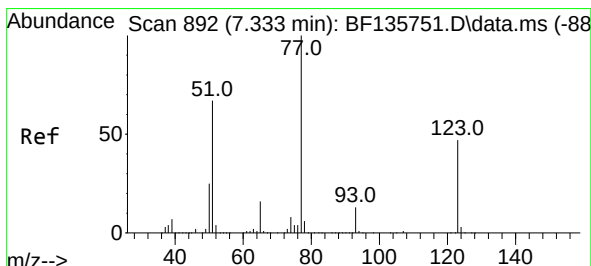
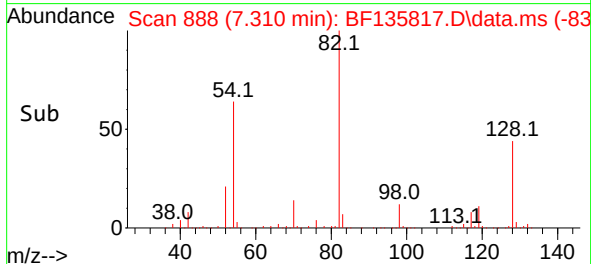
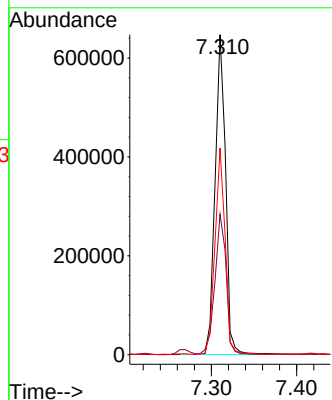
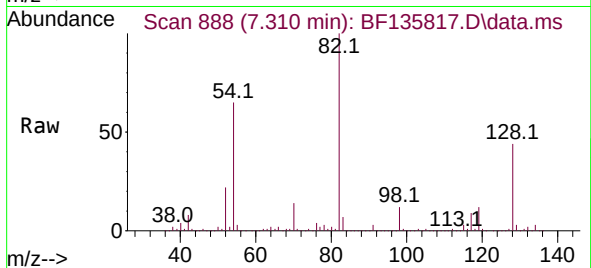




#23
Nitrobenzene-d5
Concen: 97.338 ng
RT: 7.310 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

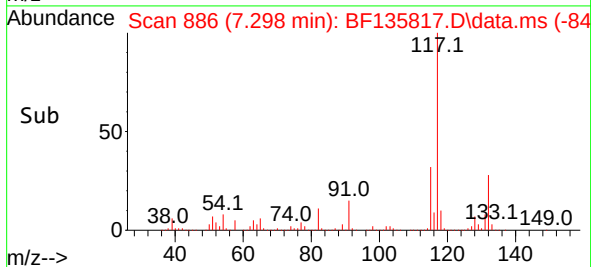
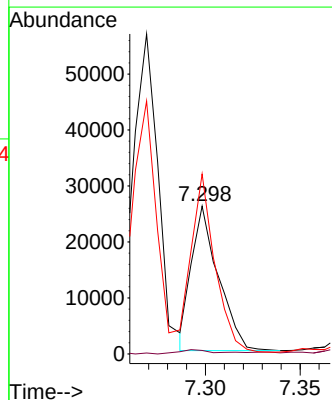
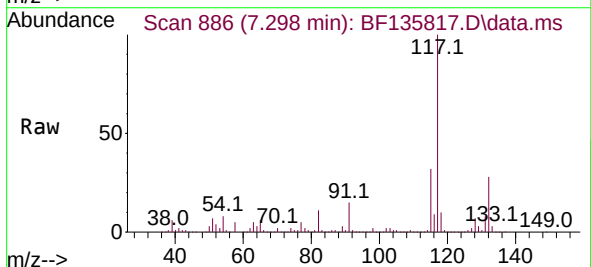
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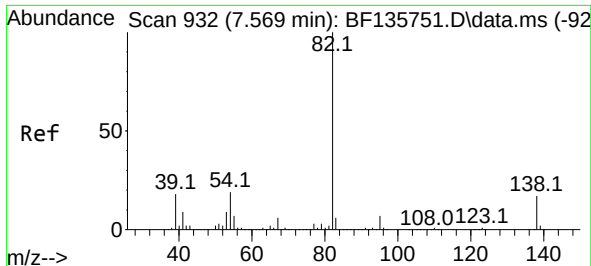
Tgt Ion: 82 Resp: 553273
Ion Ratio Lower Upper
82 100
128 43.8 37.0 55.6
54 64.6 52.8 79.2



#24
Nitrobenzene
Concen: 4.481 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.035 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion: 77 Resp: 25561
Ion Ratio Lower Upper
77 100
123 2.4 37.3 55.9#
65 121.8 12.6 18.8#

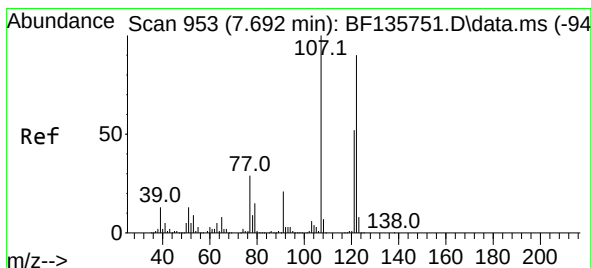
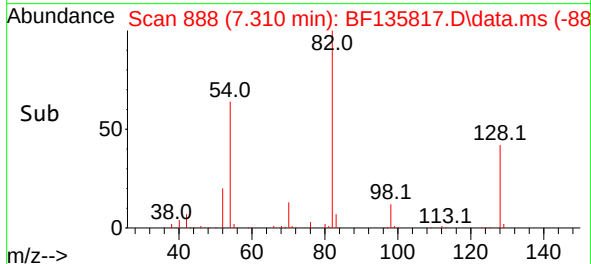
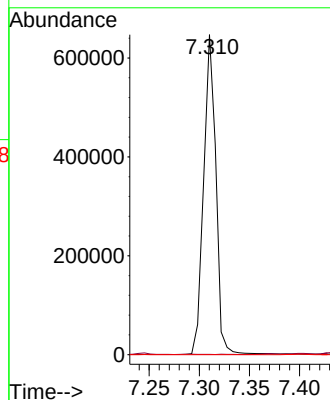
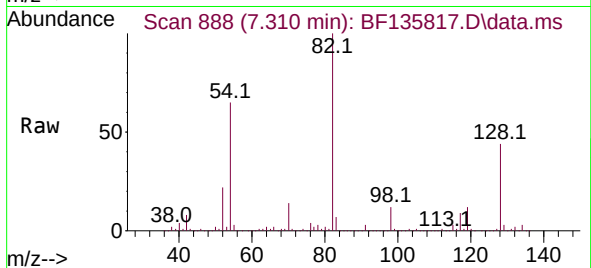




#25
Isophorone
Concen: 51.445 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.259 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

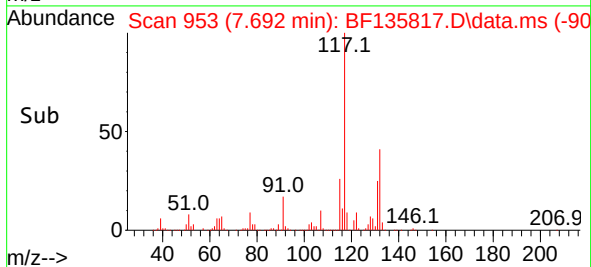
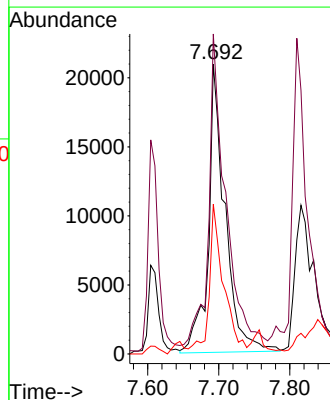
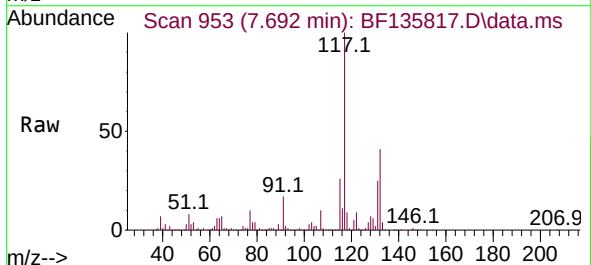
Instrument :
BNA_F
ClientSampleId :
MW-6A

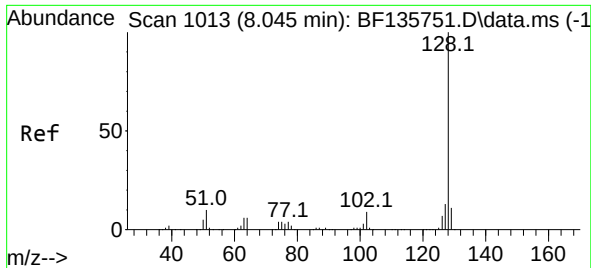
Tgt Ion: 82 Resp: 551666
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#27
2,4-Dimethylphenol
Concen: 7.455 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.000 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion: 122 Resp: 34168
Ion Ratio Lower Upper
122 100
107 110.4 88.2 132.4
121 51.7 45.5 68.3

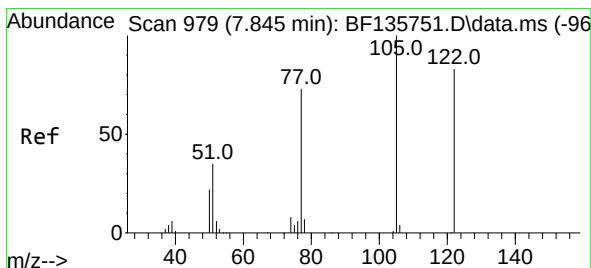
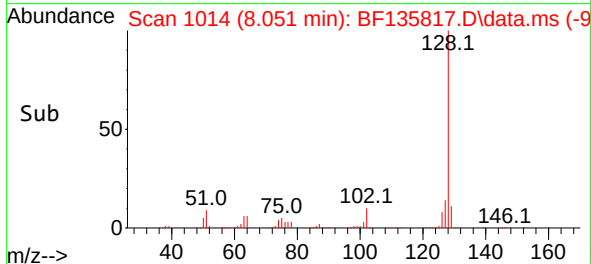
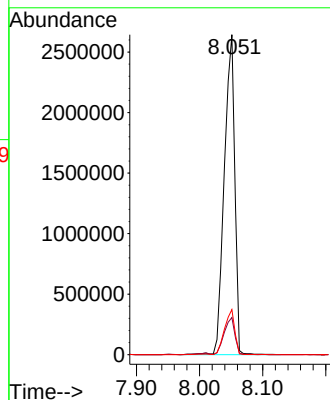
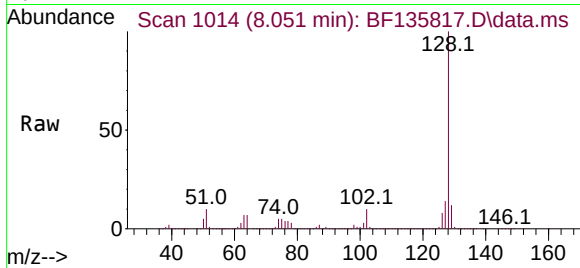




#31
Naphthalene
Concen: 199.999 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.006 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

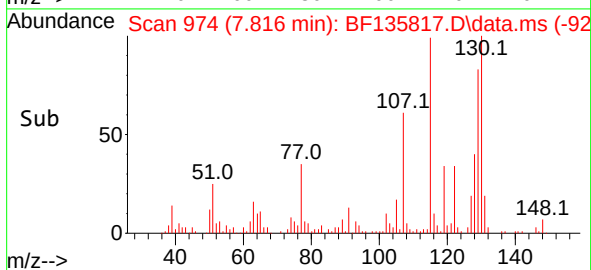
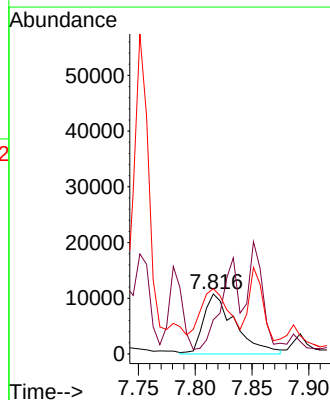
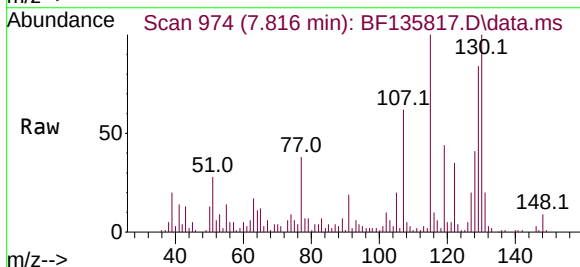
Instrument :
BNA_F
ClientSampleId :
MW-6A

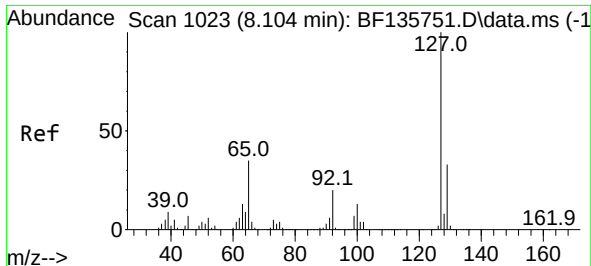
Tgt Ion:128 Resp: 3049614
Ion Ratio Lower Upper
128 100
129 11.6 8.7 13.1
127 14.1 10.2 15.4



#32
Benzoic acid
Concen: 6.764 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.035 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion:122 Resp: 20983
Ion Ratio Lower Upper
122 100
105 57.0 98.7 138.7#
77 108.8 67.8 107.8#

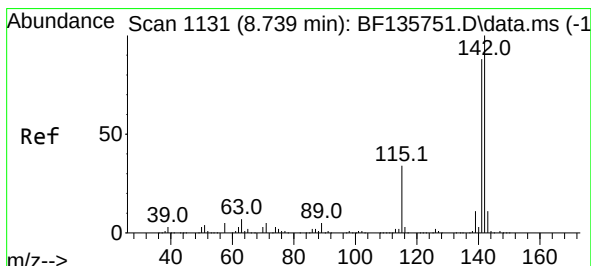
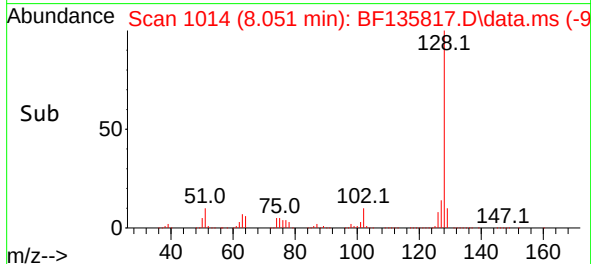
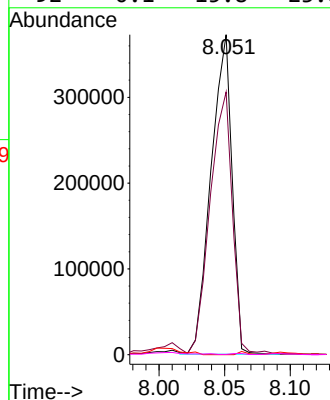
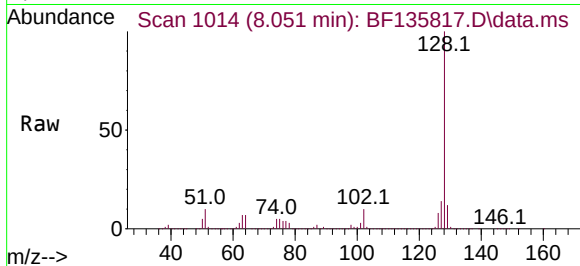




#33
4-Chloroaniline
Concen: 62.338 ng
RT: 8.051 min Scan# 1130
Delta R.T. -0.053 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

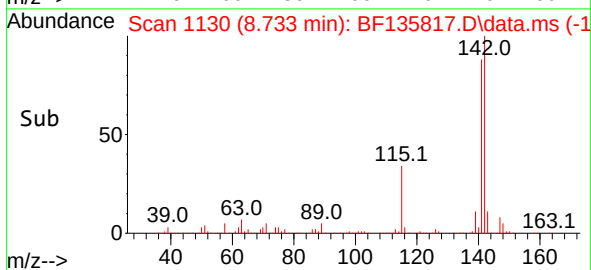
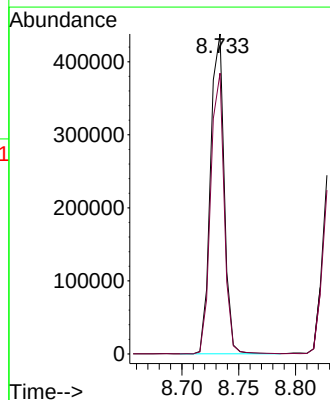
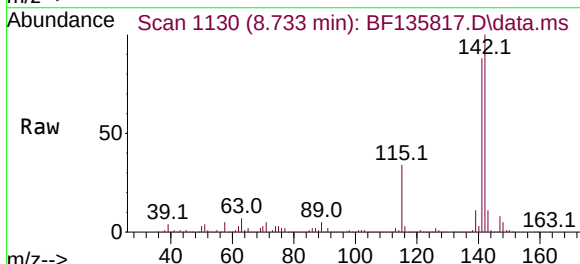
Instrument :
BNA_F
ClientSampleId :
MW-6A

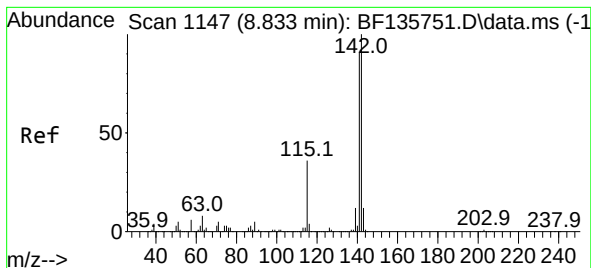
Tgt Ion:	127	Resp:	415220
Ion	Ratio	Lower	Upper
127	100		
129	82.1	26.5	39.7#
65	0.0	27.9	41.9#
92	0.1	15.8	23.8#



#37
2-Methylnaphthalene
Concen: 36.419 ng
RT: 8.733 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion:	142	Resp:	365870
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.6	105.8





#38

1-Methylnaphthalene

Concen: 21.488 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.012 min

Lab File: BF135817.D

Acq: 17 Oct 2023 17:54

Instrument :

BNA_F

ClientSampleId :

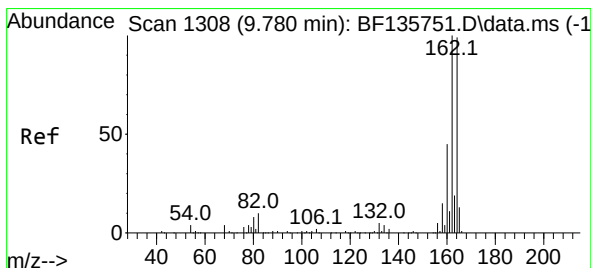
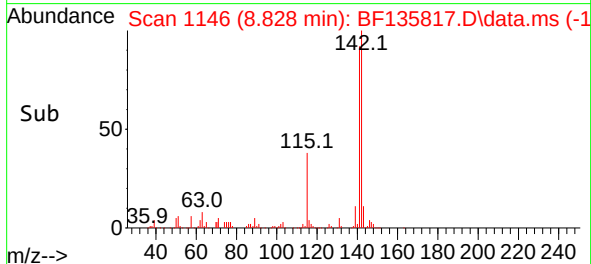
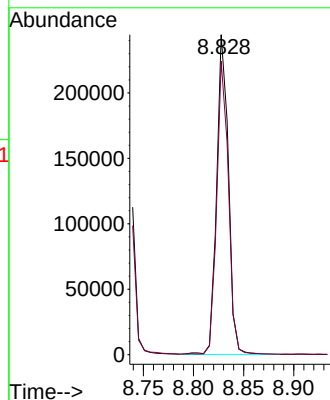
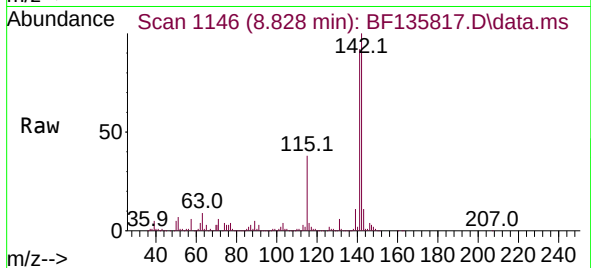
MW-6A

Tgt Ion:142 Resp: 199105

Ion Ratio Lower Upper

142 100

141 91.7 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: BF135817.D

Acq: 17 Oct 2023 17:54

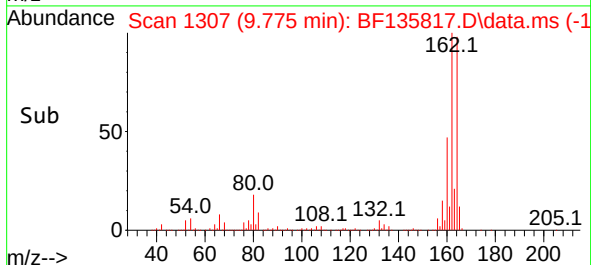
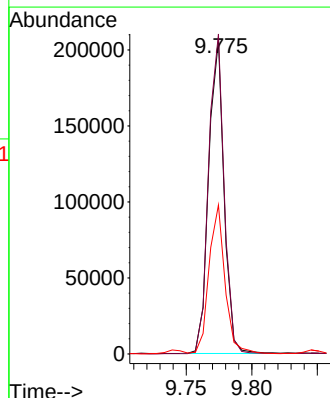
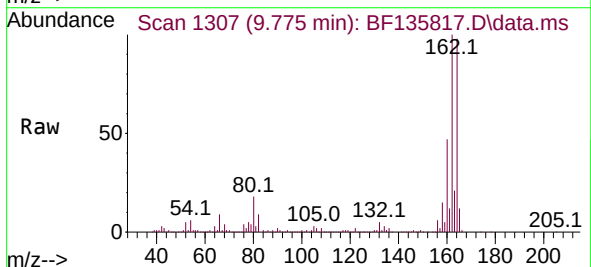
Tgt Ion:164 Resp: 168626

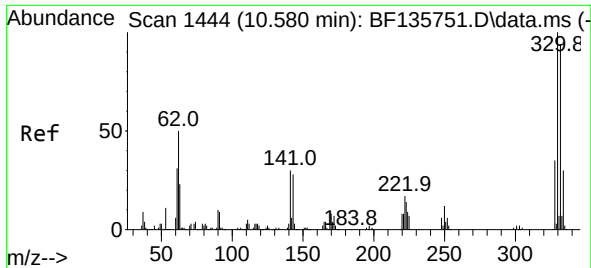
Ion Ratio Lower Upper

164 100

162 101.9 80.8 121.2

160 47.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 141.927 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135817.D

Acq: 17 Oct 2023 17:54

Instrument :

BNA_F

ClientSampleId :

MW-6A

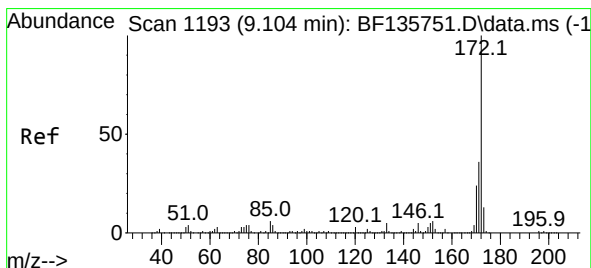
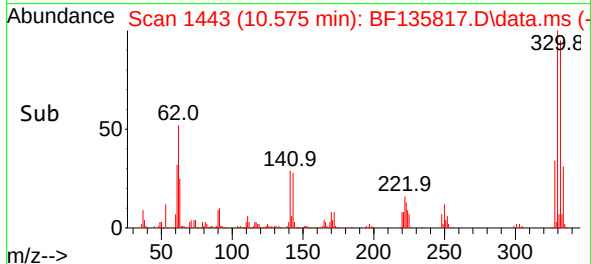
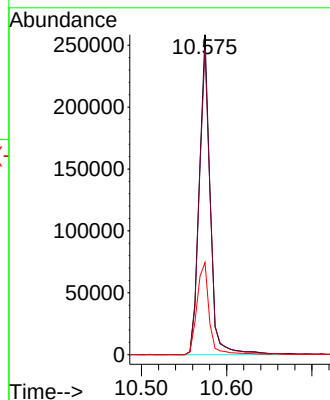
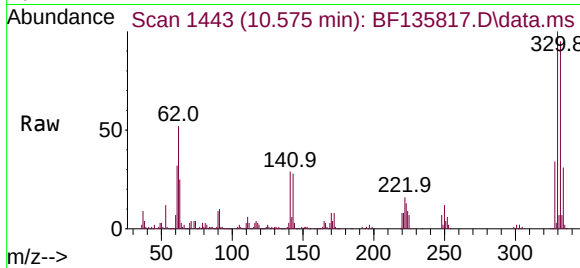
Tgt Ion:330 Resp: 229652

Ion Ratio Lower Upper

330 100

332 98.1 75.0 112.4

141 32.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 94.087 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135817.D

Acq: 17 Oct 2023 17:54

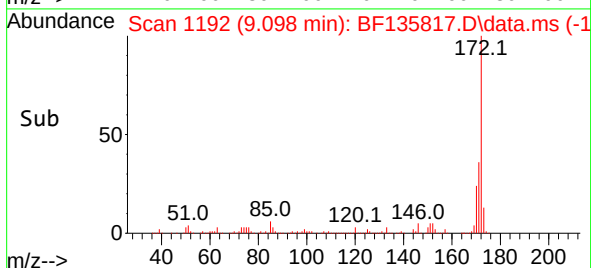
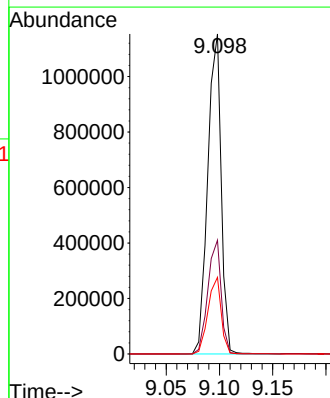
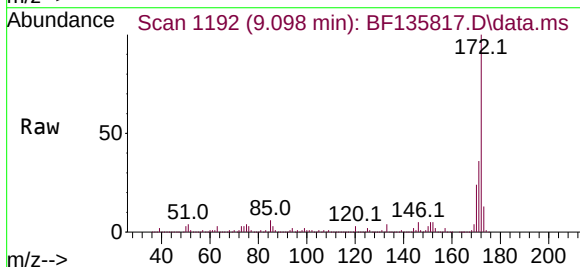
Tgt Ion:172 Resp: 1014734

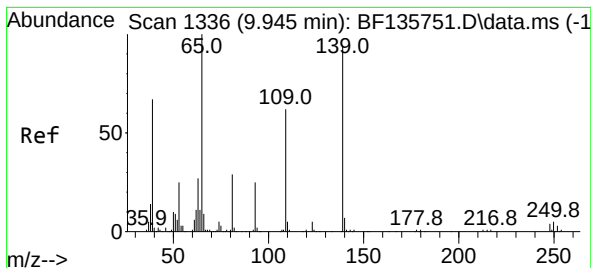
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 24.0 18.8 28.2

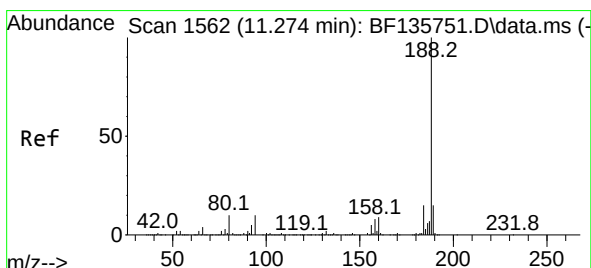
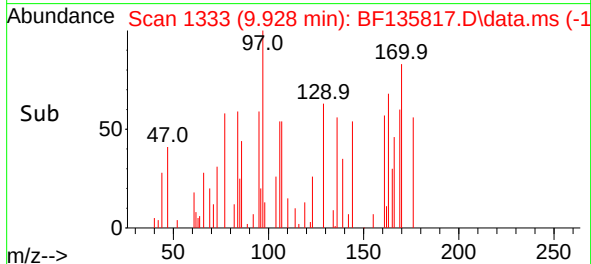
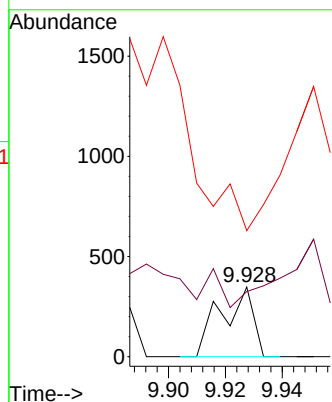
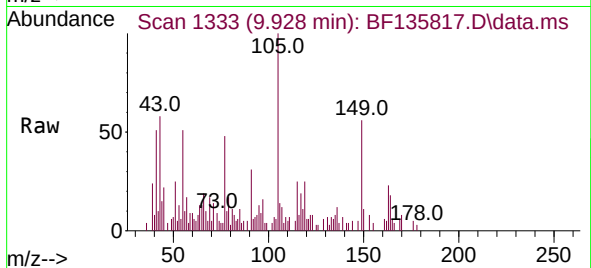




#56
4-Nitrophenol
Concen: 5.678 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

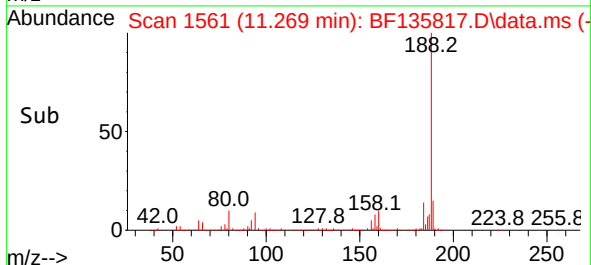
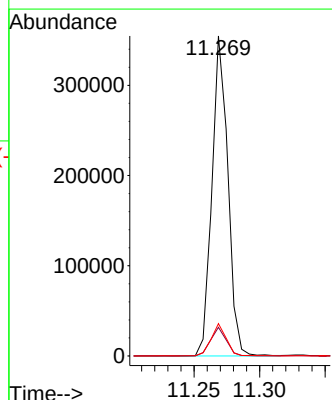
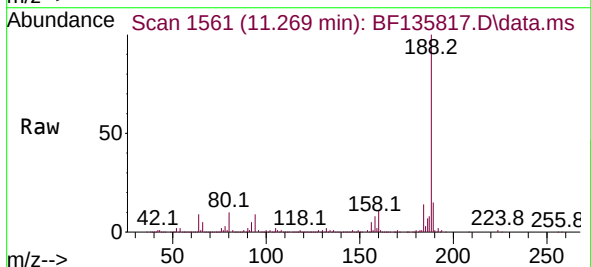
Instrument :
BNA_F
ClientSampleId :
MW-6A

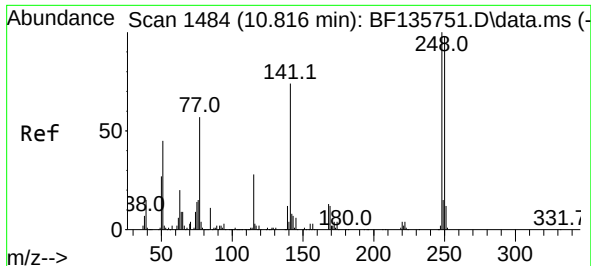
Tgt Ion:139 Resp: 274
Ion Ratio Lower Upper
139 100
109 93.7 45.6 85.6#
65 181.3 87.5 127.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion:188 Resp: 300159
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 10.1 8.3 12.5





#67

4-Bromophenyl-phenylether

Concen: 4.995 ng

RT: 10.575 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF135817.D

Acq: 17 Oct 2023 17:54

Instrument :

BNA_F

ClientSampleId :

MW-6A

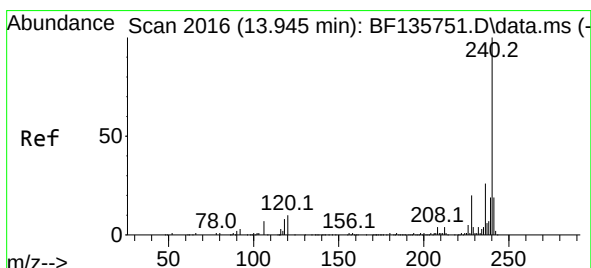
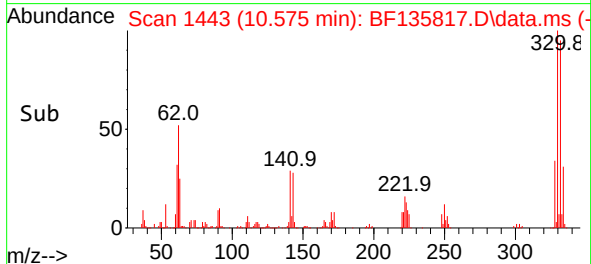
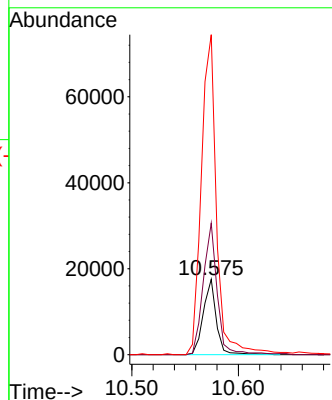
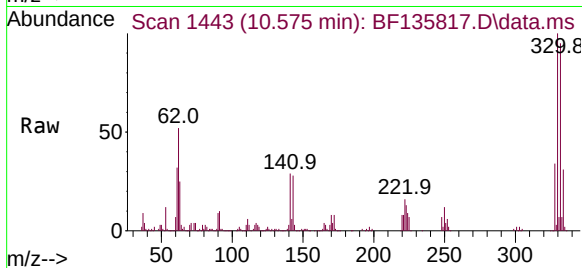
Tgt Ion:248 Resp: 15051

Ion Ratio Lower Upper

248 100

250 174.7 78.0 117.0#

141 424.8 59.0 88.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135817.D

Acq: 17 Oct 2023 17:54

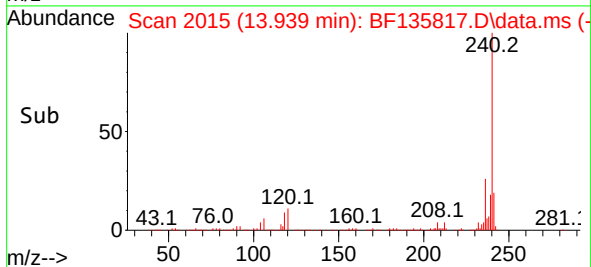
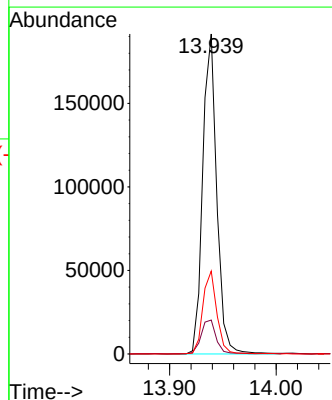
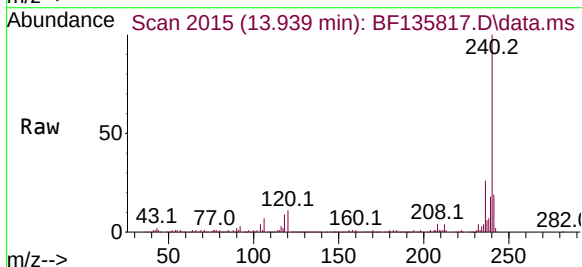
Tgt Ion:240 Resp: 175672

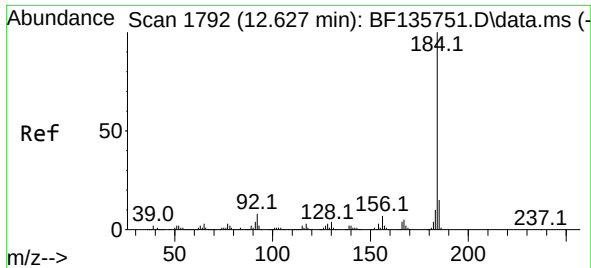
Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

236 25.9 21.2 31.8

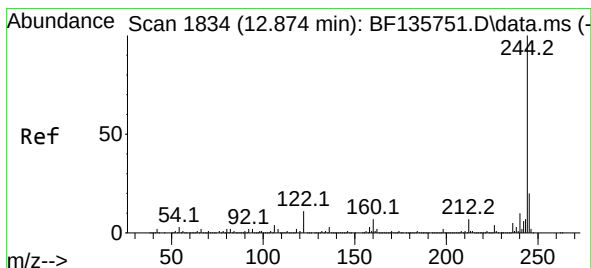
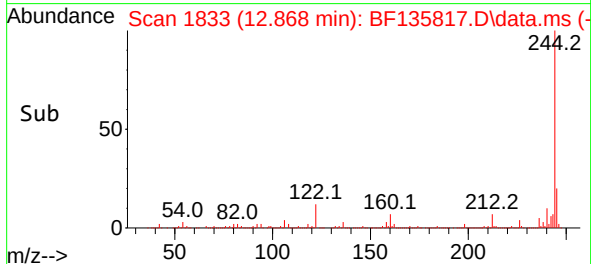
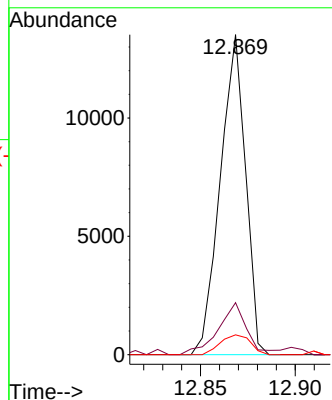
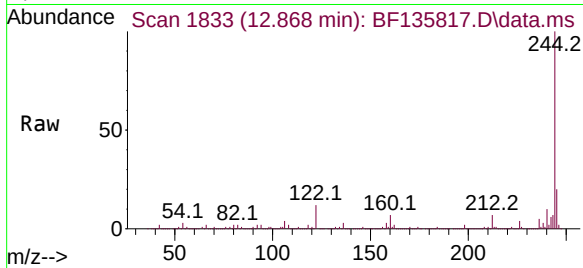




#77
Benzidine
Concen: 3.272 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.235 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

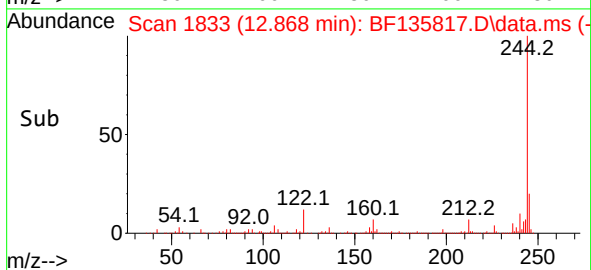
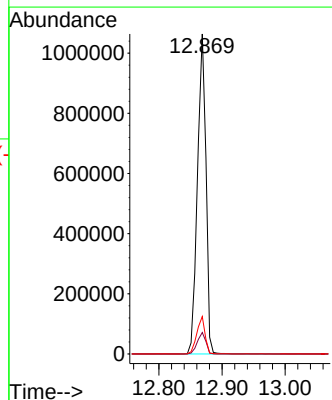
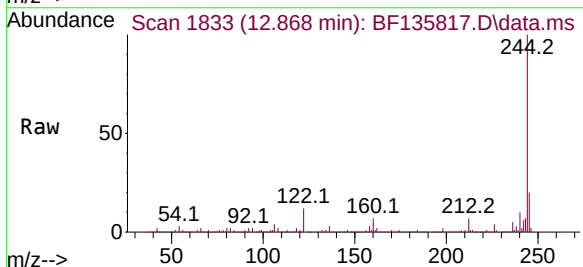
Instrument :
BNA_F
ClientSampleId :
MW-6A

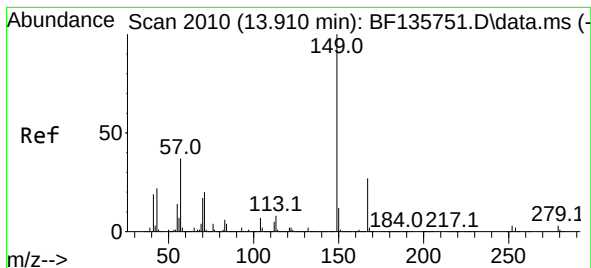
Tgt Ion:184 Resp: 12543
Ion Ratio Lower Upper
184 100
185 16.3 12.0 18.0
183 6.2 8.2 12.2#



#79
Terphenyl-d14
Concen: 104.411 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135817.D
Acq: 17 Oct 2023 17:54

Tgt Ion:244 Resp: 990439
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 11.7 9.0 13.6

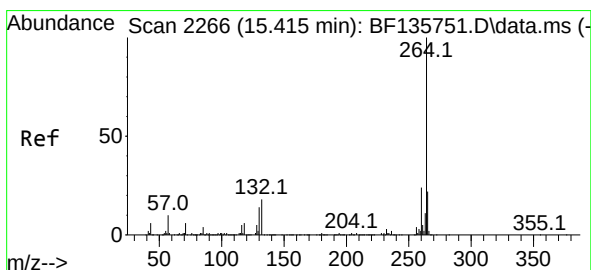
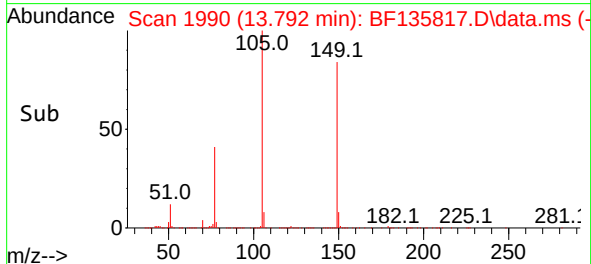
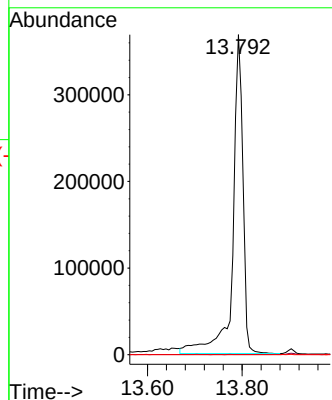
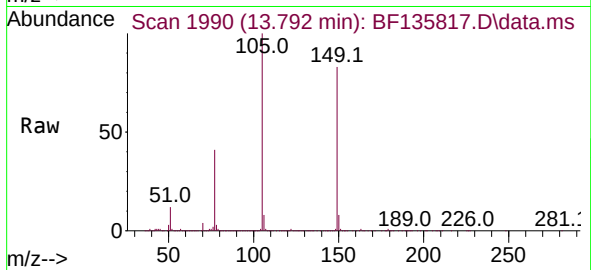




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 65.722 ng
 RT: 13.792 min Scan# 1990
 Delta R.T. -0.124 min
 Lab File: BF135817.D
 Acq: 17 Oct 2023 17:54

Instrument :
 BNA_F
 ClientSampleId :
 MW-6A

Tgt Ion:149 Resp: 546422
 Ion Ratio Lower Upper
 149 100
 167 0.0 21.3 31.9#
 279 0.0 2.7 4.1#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135817.D
 Acq: 17 Oct 2023 17:54

Tgt Ion:264 Resp: 183034
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.1 17.4 26.2

