

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135888.D
 Acq On : 19 Oct 2023 16:06
 Operator : CG\JU
 Sample : 04788-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Oct 20 01:46:24 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)

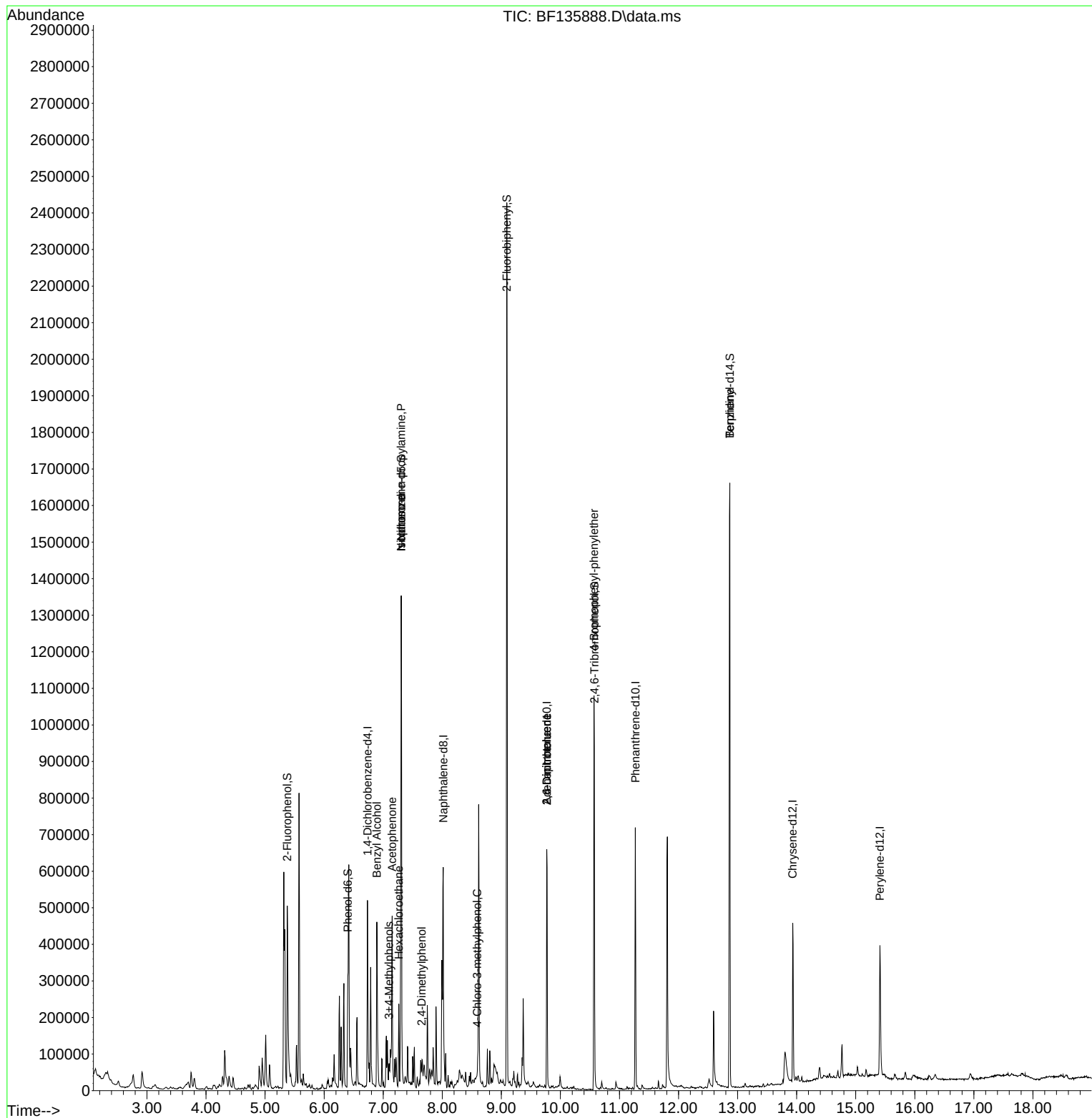
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	71831	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	242972	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	132914	20.000	ng	-0.02
64) Phenanthrene-d10	11.269	188	251489	20.000	ng	-0.01
76) Chrysene-d12	13.933	240	153918	20.000	ng	-0.02
86) Perylene-d12	15.410	264	165635	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	181701	40.669	ng	0.00
7) Phenol-d6	6.398	99	154343	27.687	ng	0.00
23) Nitrobenzene-d5	7.304	82	377857	85.532	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	131886	103.406	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	716564	84.292	ng	-0.01
79) Terphenyl-d14	12.869	244	617412	74.286	ng	-0.01
Target Compounds						
					Qvalue	
15) Benzyl Alcohol	6.893	79	8264	2.230	ng	# 42
18) Hexachloroethane	7.263	117	10974	6.117	ng	# 1
19) n-Nitroso-di-n-propyla...	7.304	70	52102	15.116	ng	# 75
20) 3+4-Methylphenols	7.098	107	22418	4.312	ng	# 35
22) Acetophenone	7.151	105	121918	21.879	ng	# 92
25) Isophorone	7.304	82	376891	45.221	ng	# 66
27) 2,4-Dimethylphenol	7.651	122	16014	4.496	ng	# 72
36) 4-Chloro-3-methylphenol	8.592	107	9809	2.650	ng	# 21
51) 2,6-Dinitrotoluene	9.769	165	16469	8.535	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	16469	6.709	ng	# 24
67) 4-Bromophenyl-phenylether	10.569	248	7951	3.150	ng	# 1
77) Benzidine	12.869	184	7673	2.285	ng	97

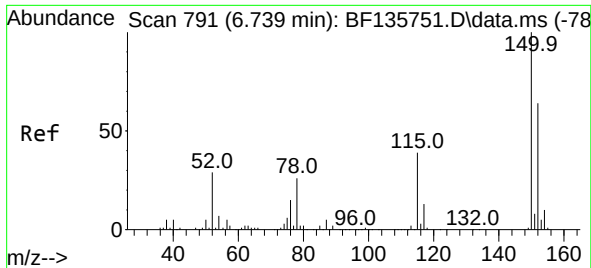
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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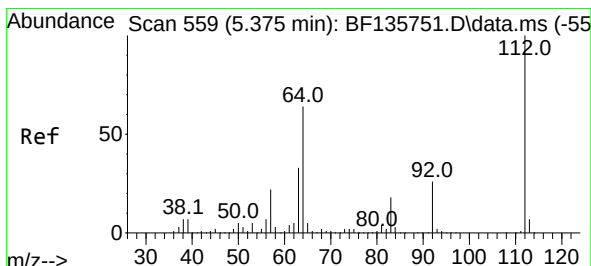
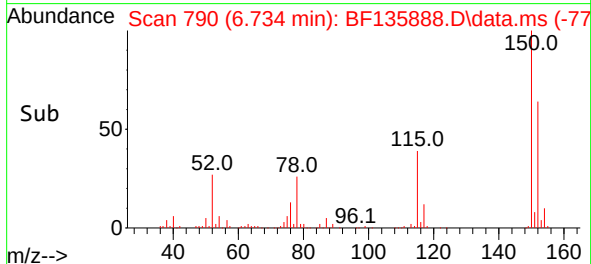
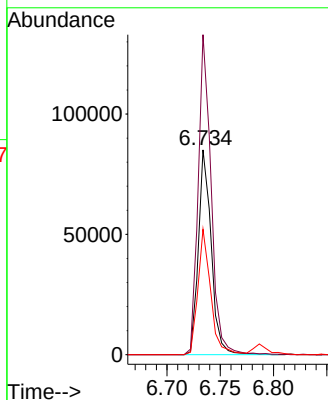
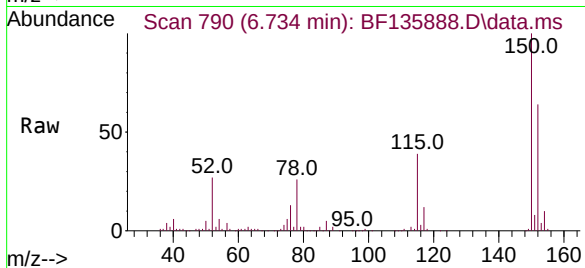




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.012 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

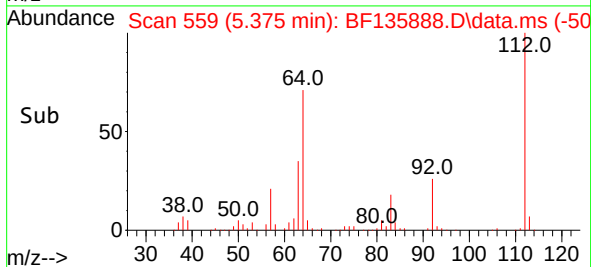
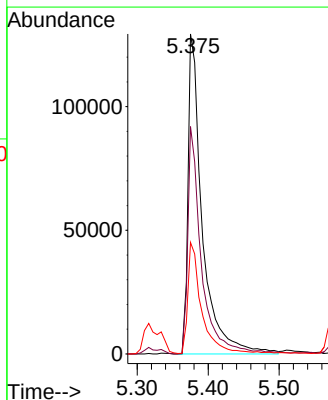
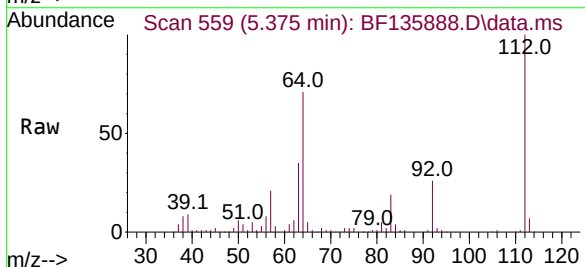
Instrument :
BNA_F
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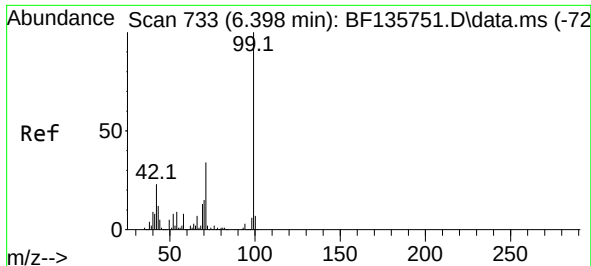
Tgt Ion:152 Resp: 71831
Ion Ratio Lower Upper
152 100
150 156.3 124.5 186.7
115 61.3 49.0 73.4



#5
2-Fluorophenol
Concen: 40.669 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

Tgt Ion:112 Resp: 181701
Ion Ratio Lower Upper
112 100
64 71.1 51.2 76.8
63 34.8 26.1 39.1

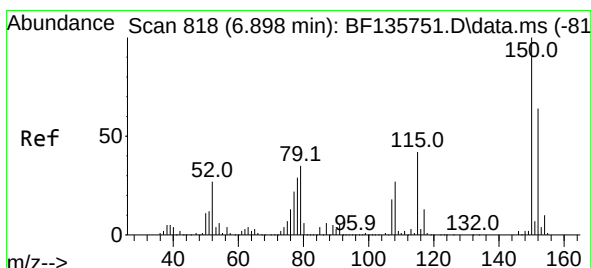
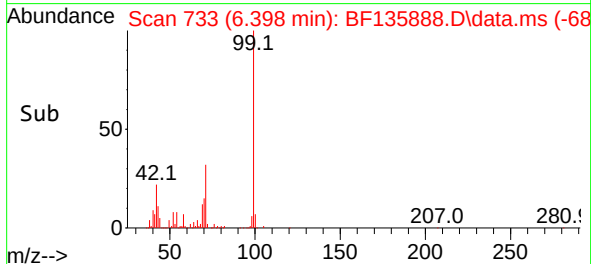
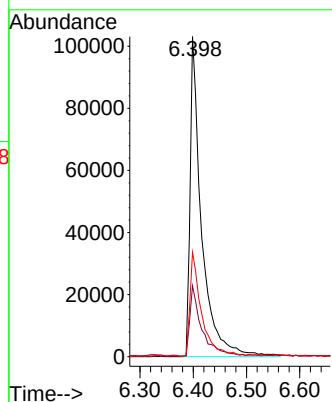
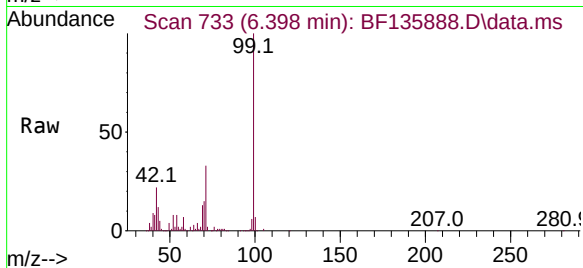




#7
Phenol-d6
Concen: 27.687 ng
RT: 6.398 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

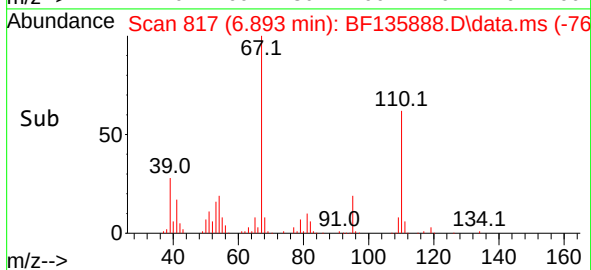
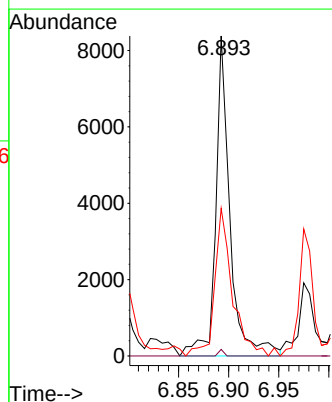
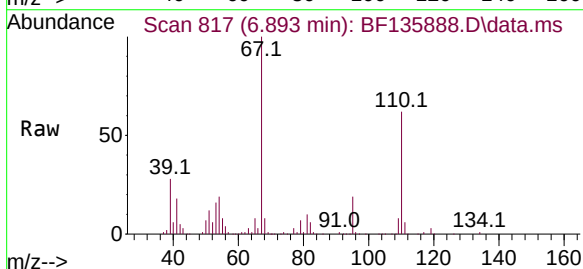
Instrument :
BNA_F
ClientSampleId :
MW-3

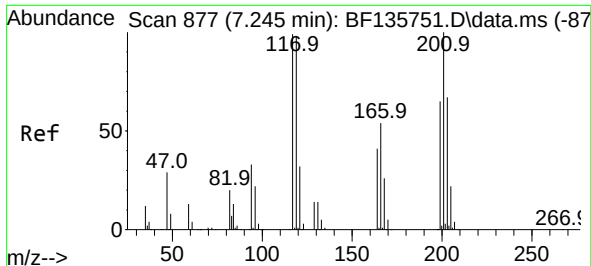
Tgt Ion: 99 Resp: 154343
Ion Ratio Lower Upper
99 100
42 22.1 18.4 27.6
71 32.6 27.2 40.8



#15
Benzyl Alcohol
Concen: 2.230 ng
RT: 6.893 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

Tgt Ion: 79 Resp: 8264
Ion Ratio Lower Upper
79 100
108 2.1 62.0 93.0#
77 46.1 50.5 75.7#

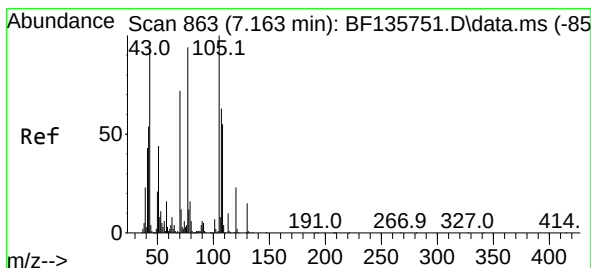
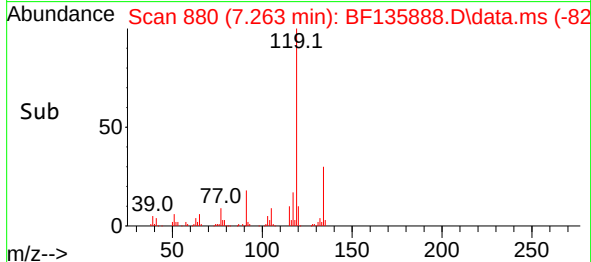
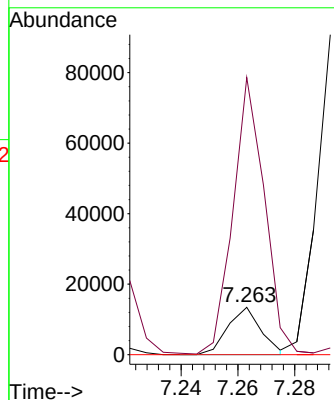
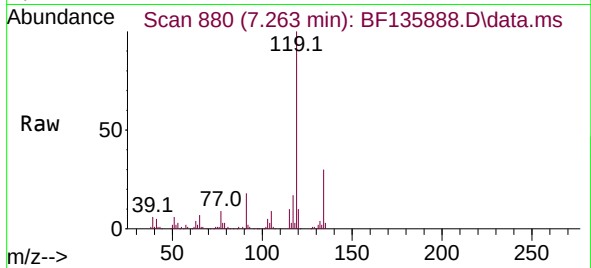




#18
Hexachloroethane
Concen: 6.117 ng
RT: 7.263 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

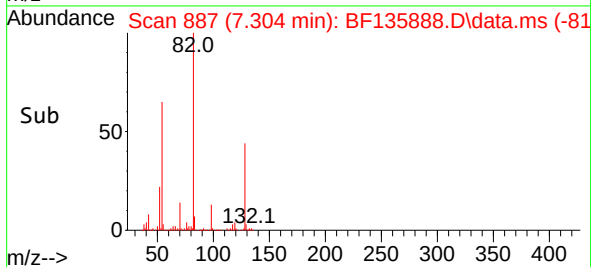
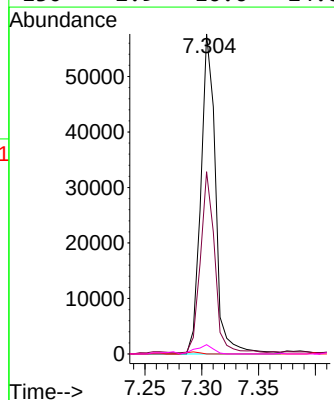
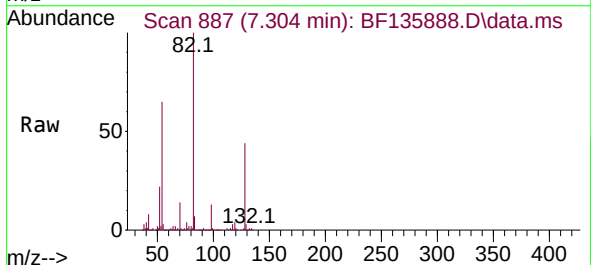
Instrument :
BNA_F
ClientSampleId :
MW-3

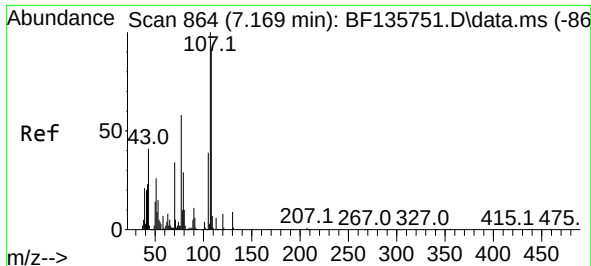
Tgt Ion:117 Resp: 10974
Ion Ratio Lower Upper
117 100
119 584.5 79.5 119.3#
201 0.0 80.9 121.3#



#19
n-Nitroso-di-n-propylamine
Concen: 15.116 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

Tgt Ion: 70 Resp: 52102
Ion Ratio Lower Upper
70 100
42 57.0 59.8 89.6#
101 0.0 7.4 11.2#
130 2.9 16.6 24.8#





#20

3+4-Methylphenols

Concen: 4.312 ng

RT: 7.098 min Scan# 81

Delta R.T. -0.071 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

MW-3

Tgt Ion:107 Resp: 22418

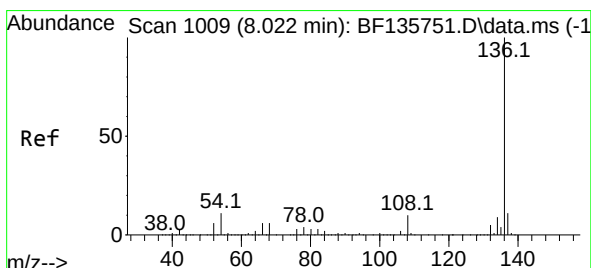
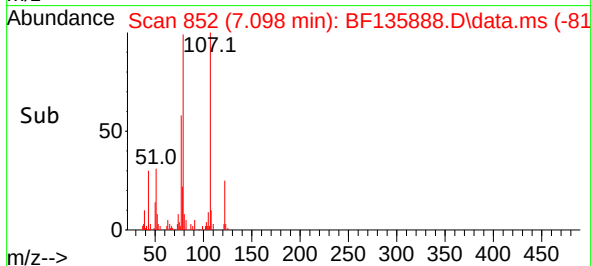
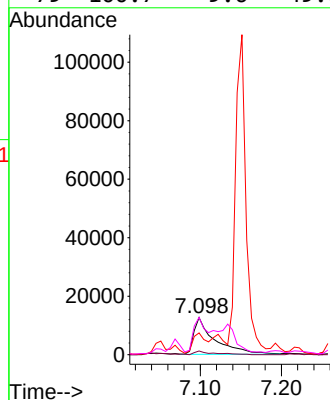
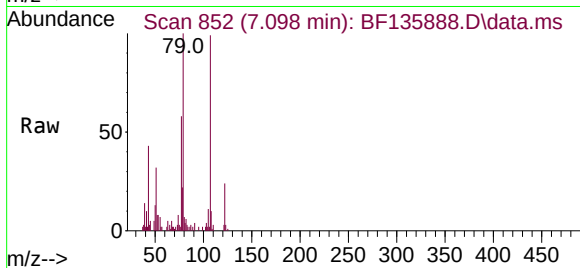
Ion Ratio Lower Upper

107 100

108 10.1 71.1 111.1#

77 58.5 42.0 82.0

79 100.7 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: BF135888.D

Acq: 19 Oct 2023 16:06

Tgt Ion:136 Resp: 242972

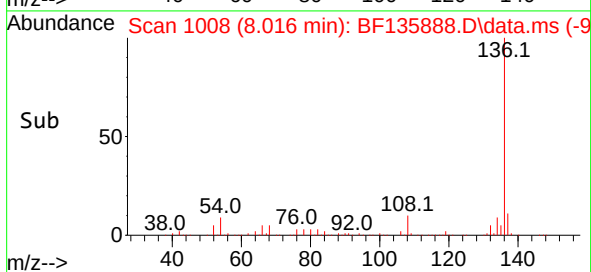
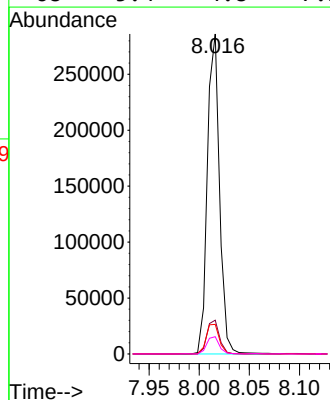
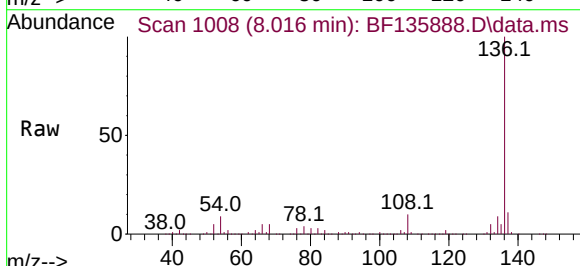
Ion Ratio Lower Upper

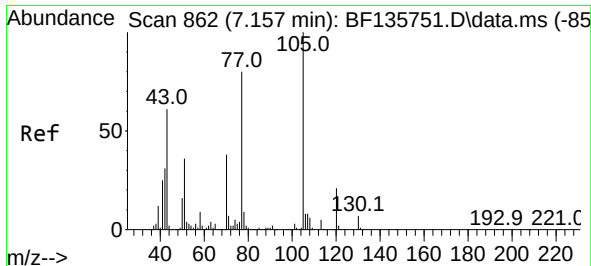
136 100

137 10.5 8.6 12.8

54 9.3 8.5 12.7

68 5.4 4.8 7.2

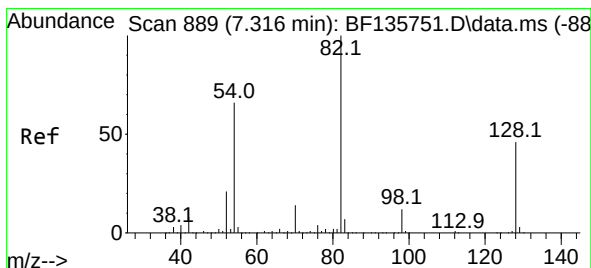
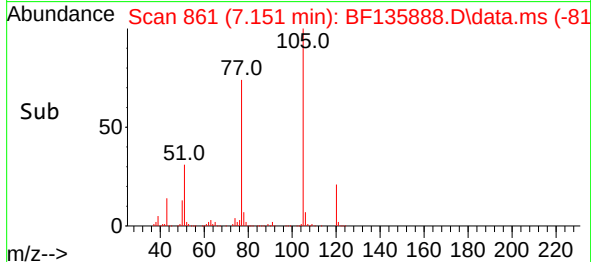
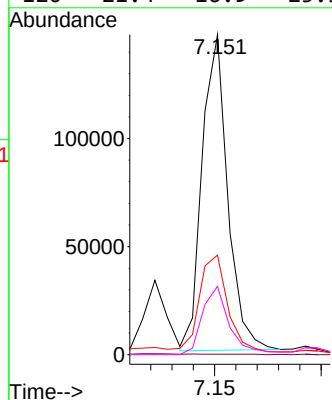
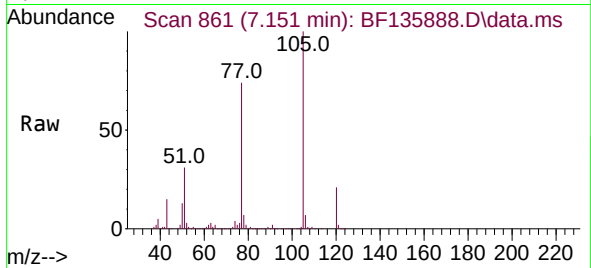




#22
Acetophenone
Concen: 21.879 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

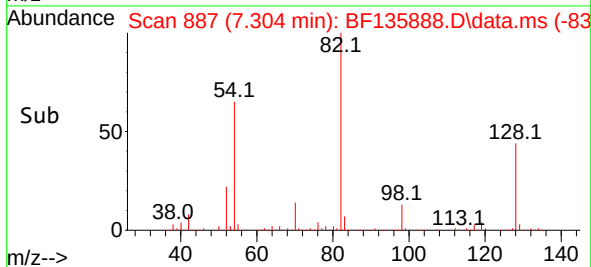
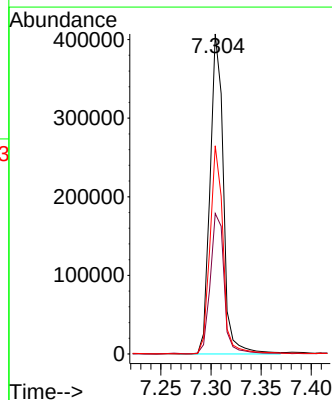
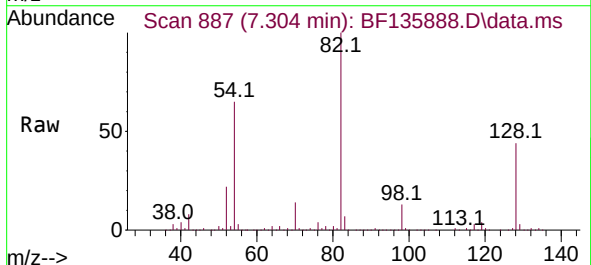
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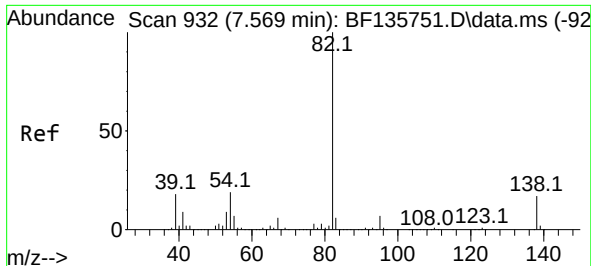
Tgt Ion:105 Resp: 121918
Ion Ratio Lower Upper
105 100
71 0.2 5.4 8.0#
51 31.1 29.4 44.0
120 21.4 16.9 25.3



#23
Nitrobenzene-d5
Concen: 85.532 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

Tgt Ion: 82 Resp: 377857
Ion Ratio Lower Upper
82 100
128 43.9 37.0 55.6
54 65.0 52.8 79.2

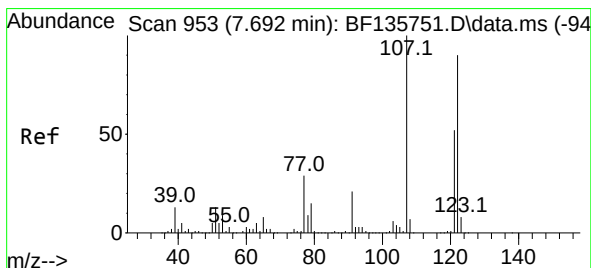
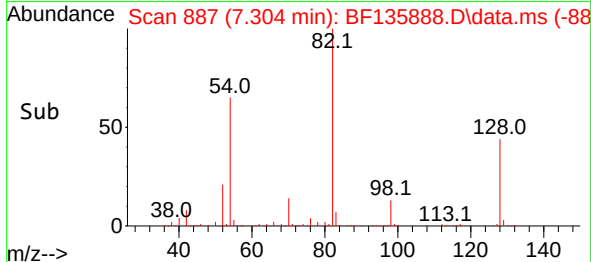
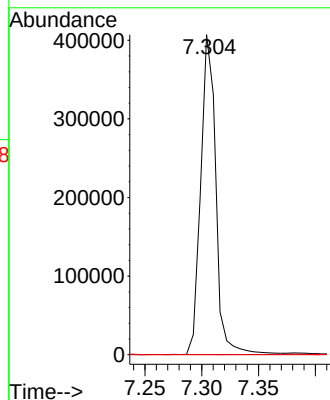
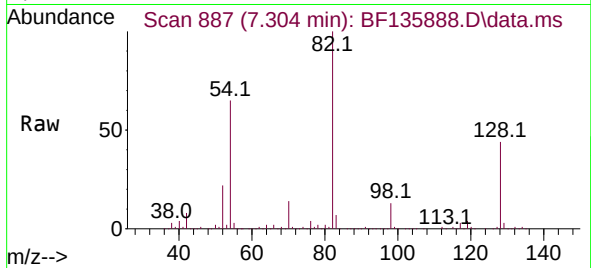




#25
Isophorone
Concen: 45.221 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

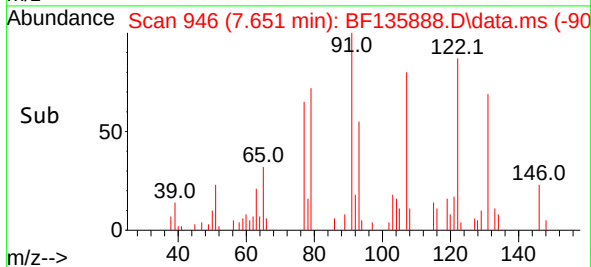
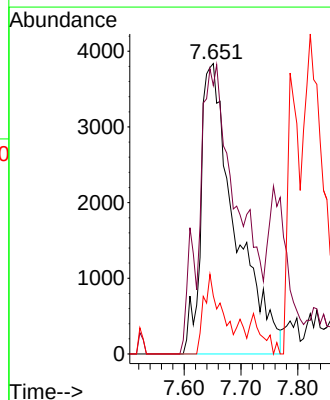
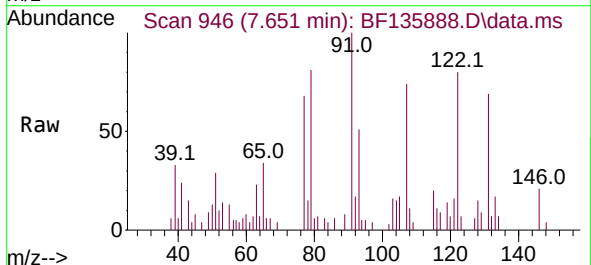
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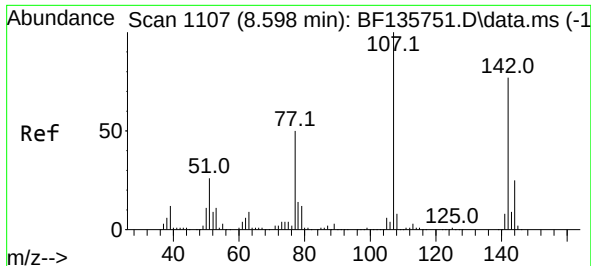
Tgt Ion: 82 Resp: 376891
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#27
2,4-Dimethylphenol
Concen: 4.496 ng
RT: 7.651 min Scan# 946
Delta R.T. -0.041 min
Lab File: BF135888.D
Acq: 19 Oct 2023 16:06

Tgt Ion:122 Resp: 16014
Ion Ratio Lower Upper
122 100
107 92.5 88.2 132.4
121 20.0 45.5 68.3#





#36

4-Chloro-3-methylphenol

Concen: 2.650 ng

RT: 8.592 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

MW-3

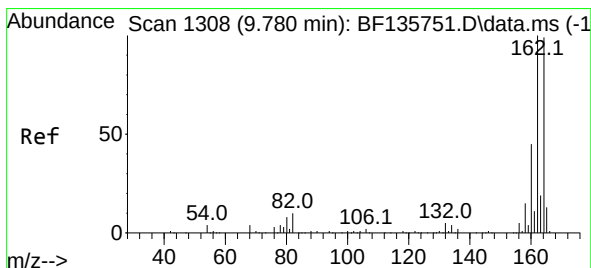
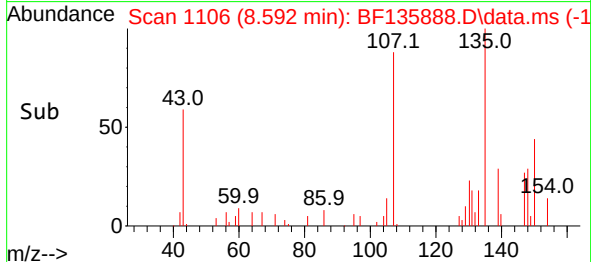
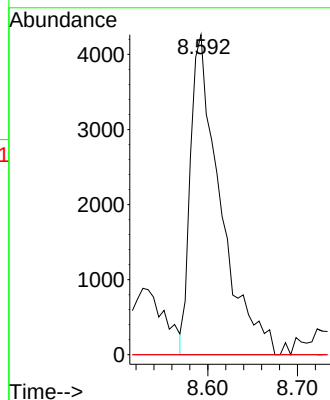
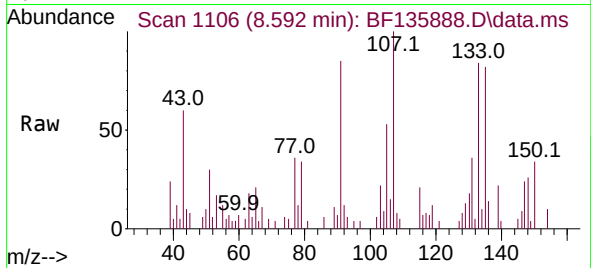
Tgt Ion:107 Resp: 9809

Ion Ratio Lower Upper

107 100

144 0.0 19.8 29.8#

142 0.0 61.3 91.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.018 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

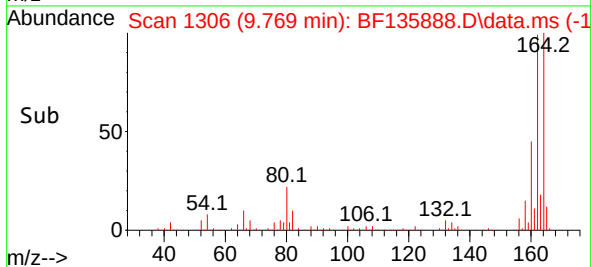
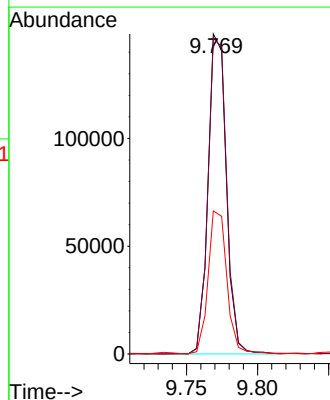
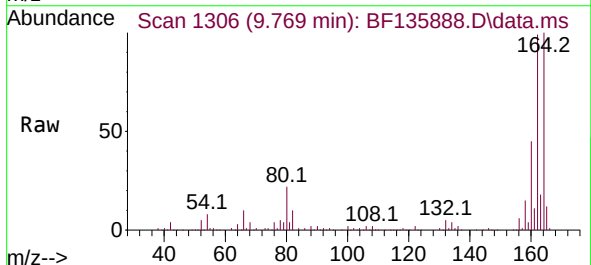
Tgt Ion:164 Resp: 132914

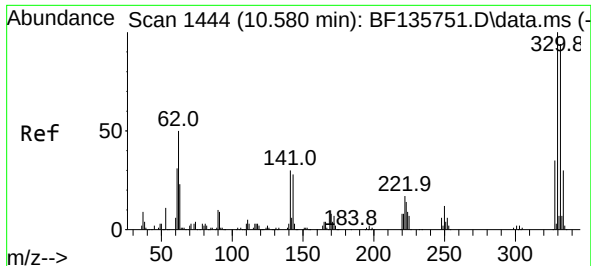
Ion Ratio Lower Upper

164 100

162 98.7 80.8 121.2

160 44.7 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 103.406 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

MW-3

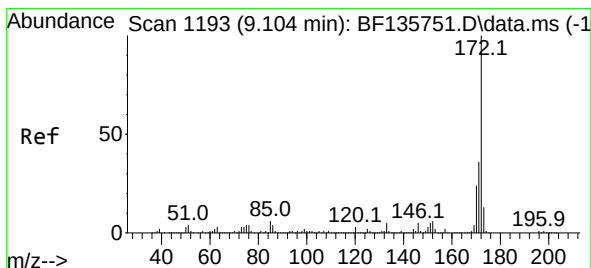
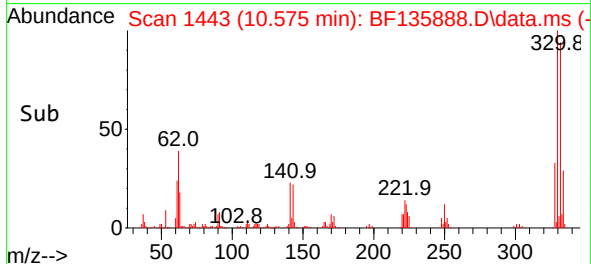
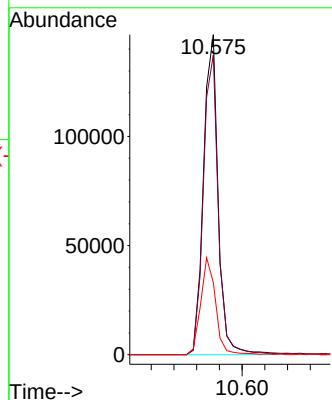
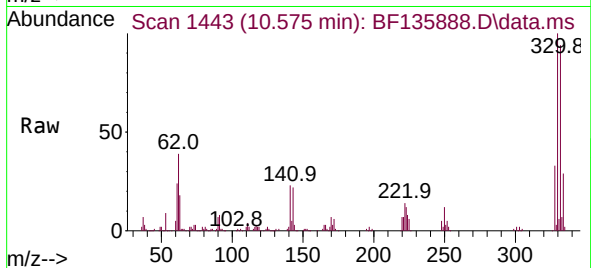
Tgt Ion:330 Resp: 131886

Ion Ratio Lower Upper

330 100

332 95.9 75.0 112.4

141 30.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 84.292 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

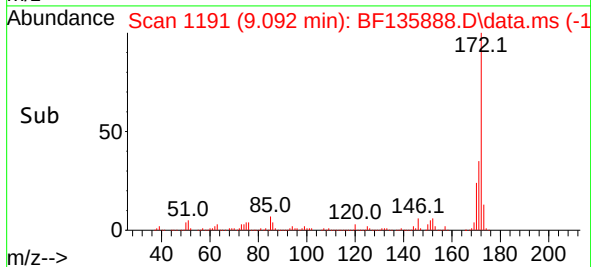
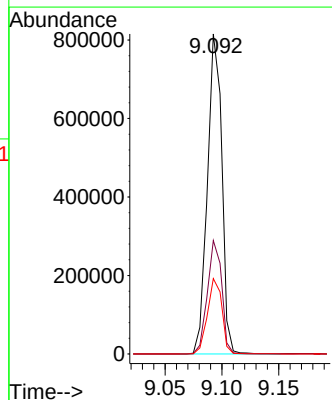
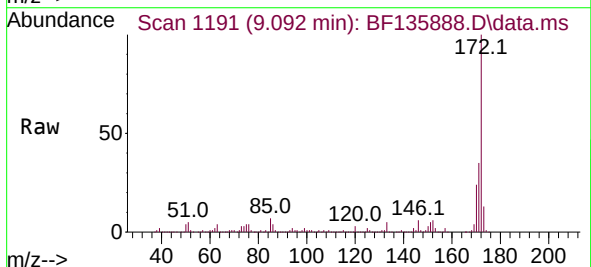
Tgt Ion:172 Resp: 716564

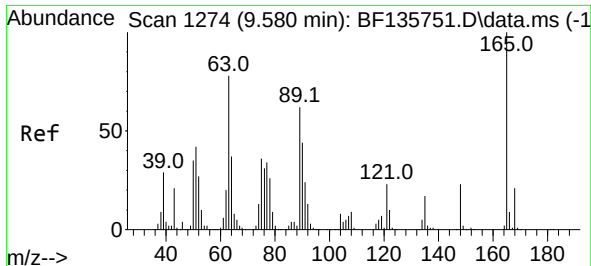
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.6 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.535 ng

RT: 9.769 min Scan# 11

Delta R.T. 0.182 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

MW-3

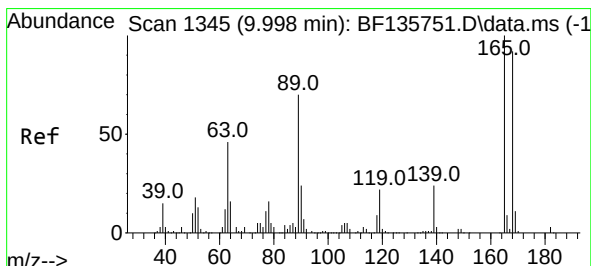
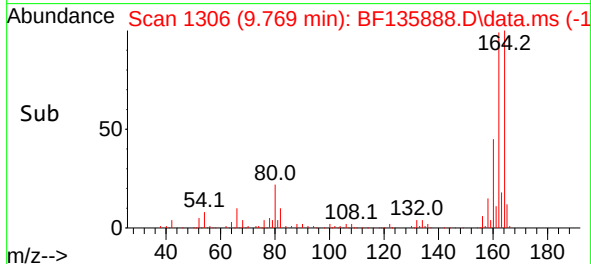
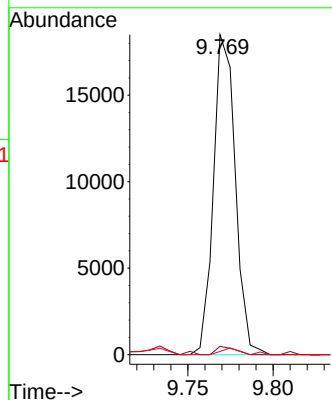
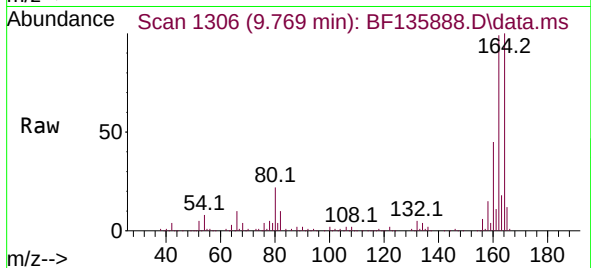
Tgt Ion:165 Resp: 16469

Ion Ratio Lower Upper

165 100

63 2.6 62.2 93.4#

89 1.0 49.6 74.4#



#57

2,4-Dinitrotoluene

Concen: 6.709 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.235 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

Tgt Ion:165 Resp: 16469

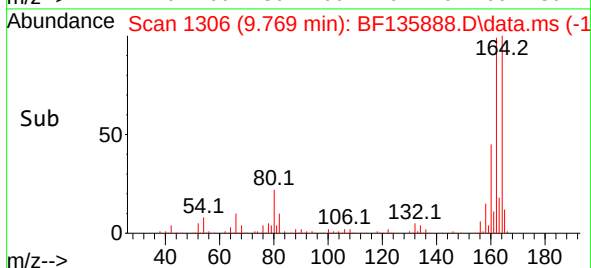
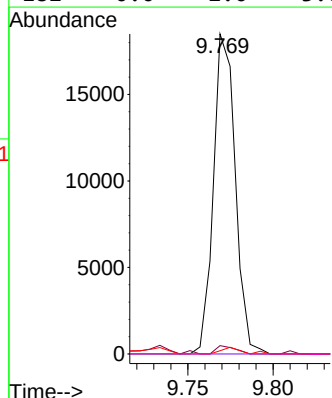
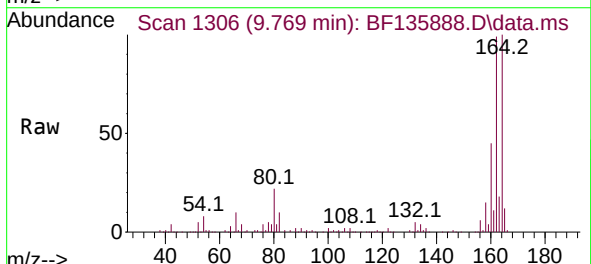
Ion Ratio Lower Upper

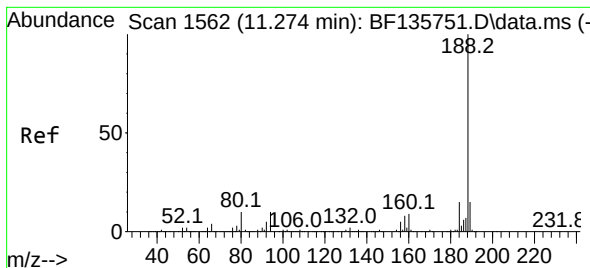
165 100

63 2.6 39.0 58.4#

89 1.0 55.9 83.9#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

MW-3

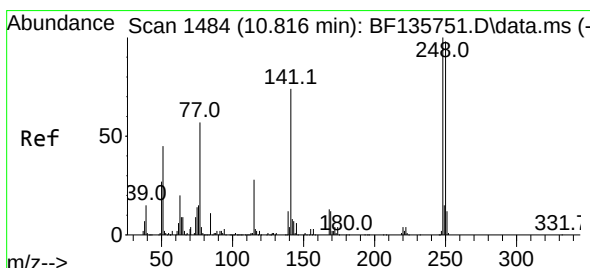
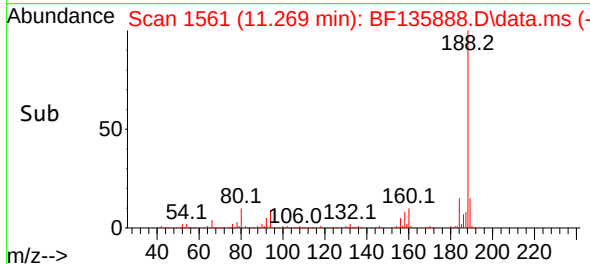
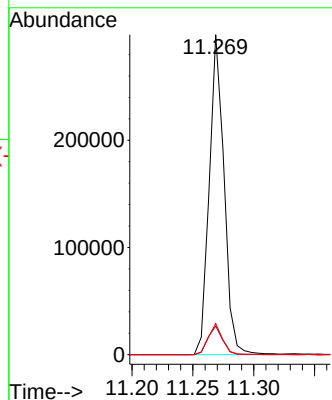
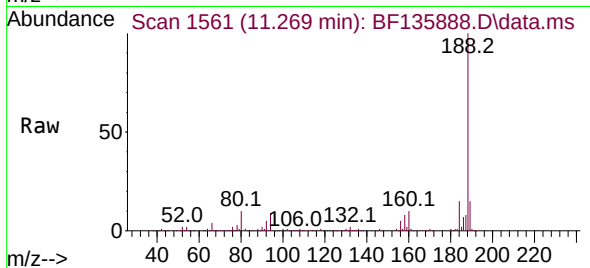
Tgt Ion:188 Resp: 251489

Ion Ratio Lower Upper

188 100

94 8.9 8.0 12.0

80 9.8 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.150 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

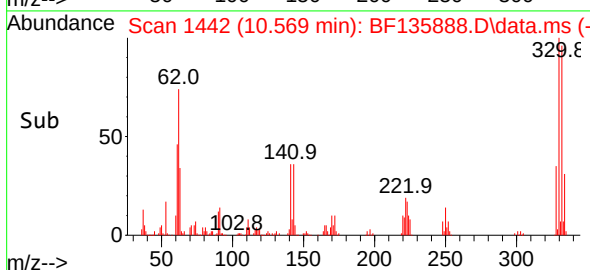
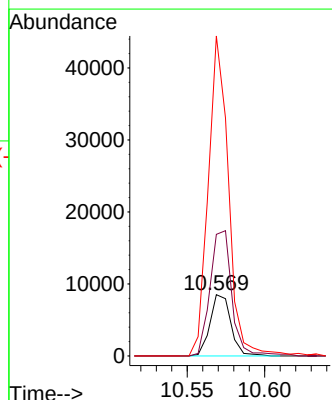
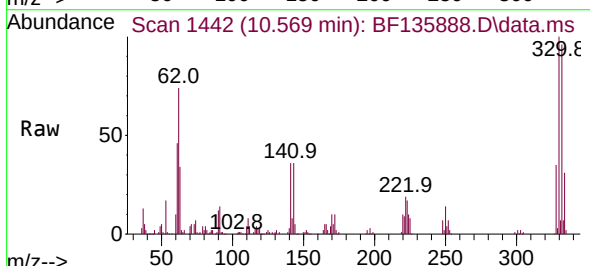
Tgt Ion:248 Resp: 7951

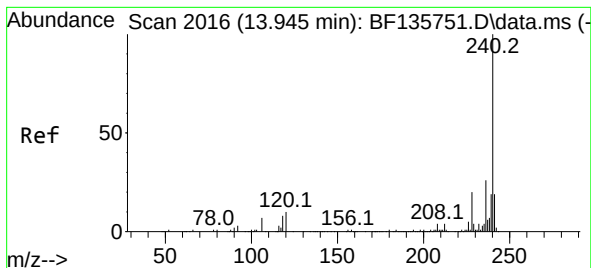
Ion Ratio Lower Upper

248 100

250 198.2 78.0 117.0#

141 521.8 59.0 88.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

Instrument :

BNA_F

ClientSampleId :

MW-3

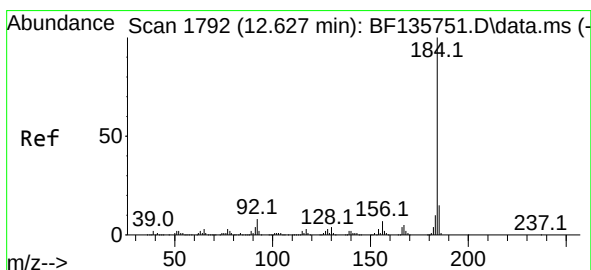
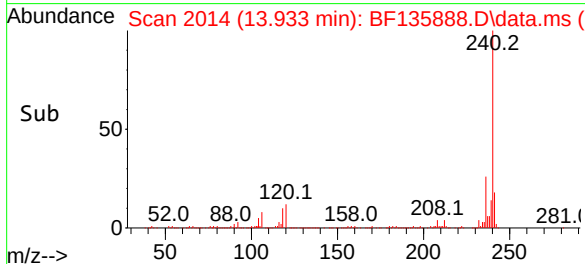
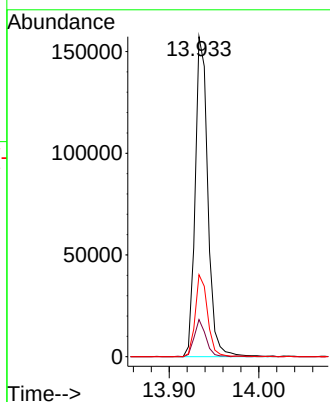
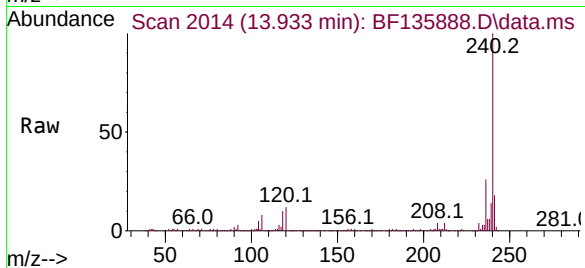
Tgt Ion:240 Resp: 153918

Ion Ratio Lower Upper

240 100

120 11.6 8.2 12.2

236 25.6 21.2 31.8



#77

Benzidine

Concen: 2.285 ng

RT: 12.869 min Scan# 1833

Delta R.T. 0.235 min

Lab File: BF135888.D

Acq: 19 Oct 2023 16:06

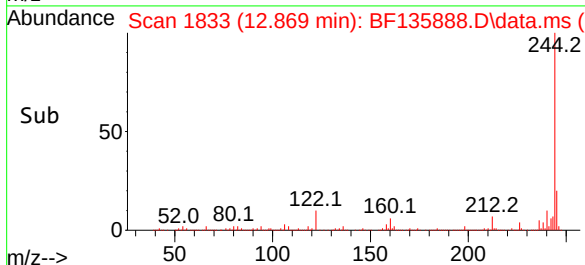
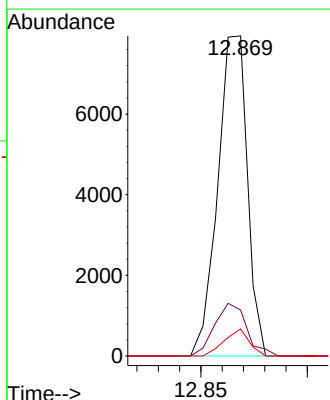
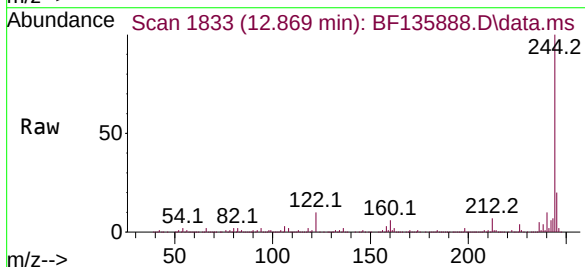
Tgt Ion:184 Resp: 7673

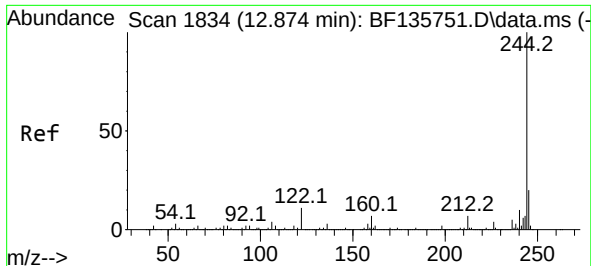
Ion Ratio Lower Upper

184 100

185 14.3 12.0 18.0

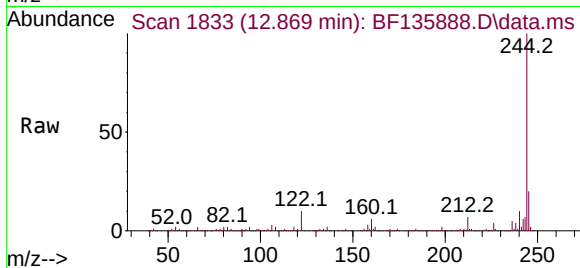
183 8.5 8.2 12.2



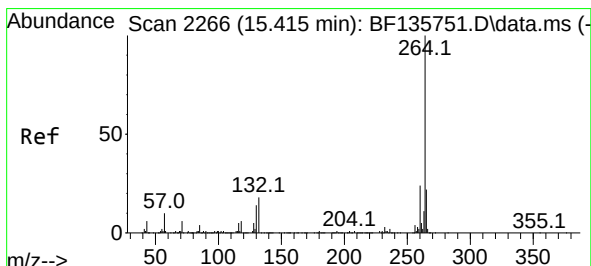
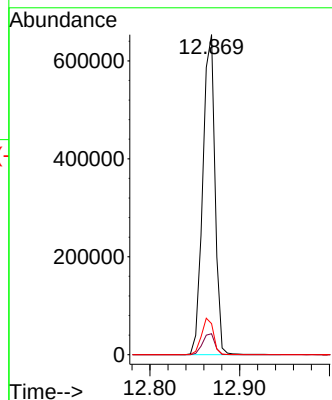
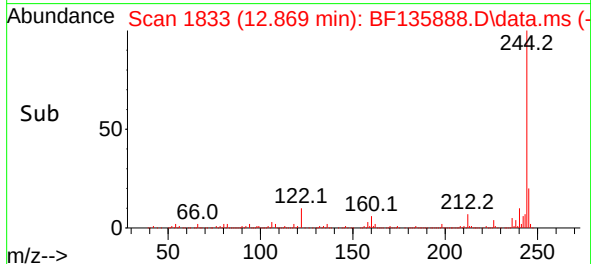


#79
 Terphenyl-d14
 Concen: 74.286 ng
 RT: 12.869 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135888.D
 Acq: 19 Oct 2023 16:06

Instrument :
 BNA_F
 ClientSampleId :
 MW-3



Tgt Ion:244 Resp: 617412
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 9.7 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 2265
 Delta R.T. -0.012 min
 Lab File: BF135888.D
 Acq: 19 Oct 2023 16:06

Tgt Ion:264 Resp: 165635
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 21.2 17.4 26.2

