

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133120.D
 Acq On : 28 Apr 2023 13:24
 Operator : CG\JU
 Sample : 02522-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Quant Time: Apr 28 13:52:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 28 12:18:20 2023
 Response via : Initial Calibration

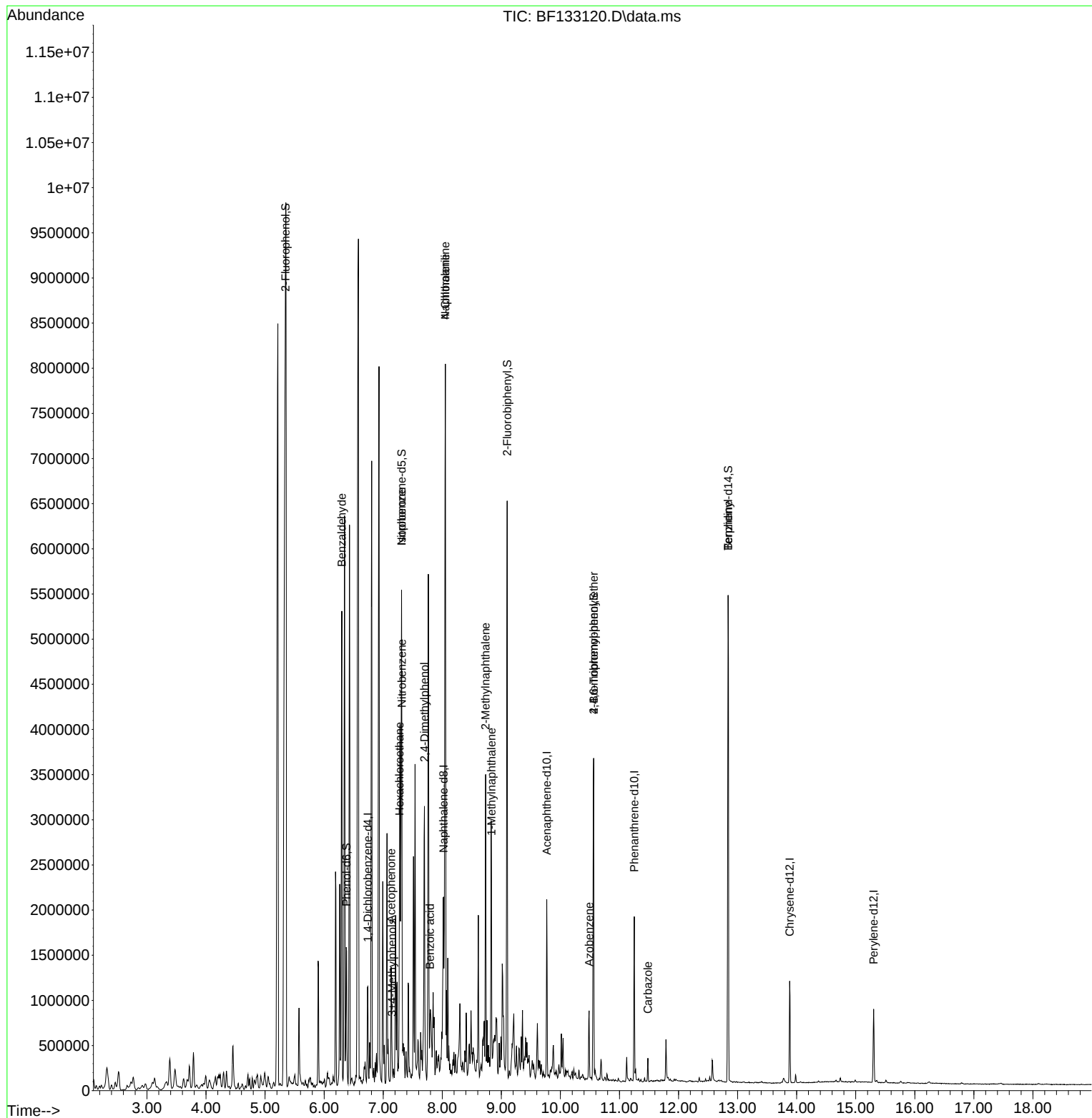
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	163933	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	644173	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	348688	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	616577	20.000	ng	0.00
76) Chrysene-d12	13.881	240	355746	20.000	ng	-0.01
86) Perylene-d12	15.304	264	331057	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	392972	36.212	ng	0.00
7) Phenol-d6	6.381	99	537795	39.926	ng	0.00
23) Nitrobenzene-d5	7.310	82	1013903	84.957	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	509964	145.425	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1893638	90.856	ng	0.00
79) Terphenyl-d14	12.839	244	2182689	105.817	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.299	77	218825	33.009	ng	# 1
18) Hexachloroethane	7.275	117	336763	82.503	ng	# 16
20) 3+4-Methylphenols	7.152	107	43584	3.668	ng	# 67
22) Acetophenone	7.134	105	502280	33.660	ng	# 53
24) Nitrobenzene	7.316	77	48862	4.040	ng	# 1
25) Isophorone	7.310	82	1004570	44.334	ng	# 63
27) 2,4-Dimethylphenol	7.699	122	105555	10.553	ng	# 89
31) Naphthalene	8.051	128	3891655	120.834	ng	97
32) Benzoic acid	7.793	122	61911	10.021	ng	# 63
33) 4-Chloroaniline	8.051	127	558269	42.902	ng	# 34
37) 2-Methylnaphthalene	8.734	142	792529	35.993	ng	97
38) 1-Methylnaphthalene	8.834	142	452542	21.970	ng	99
63) Azobenzene	10.487	77	120574	4.956	ng	# 1
67) 4-Bromophenyl-phenylether	10.563	248	30652	4.584	ng	# 1
73) Carbazole	11.481	167	90746	3.005	ng	100
77) Benzidine	12.839	184	23352	3.882	ng	97

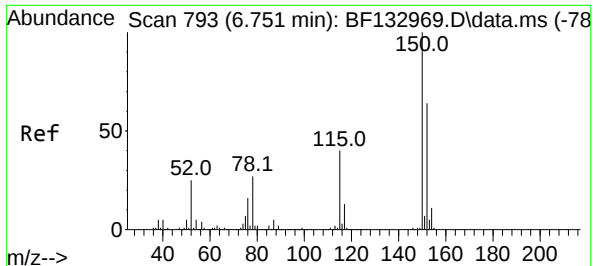
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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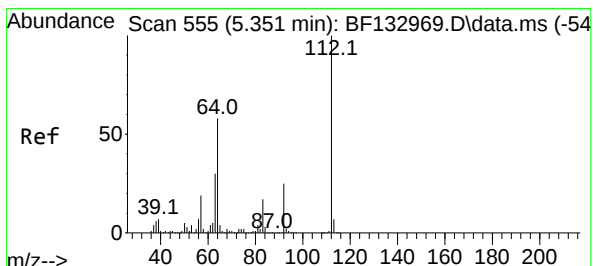
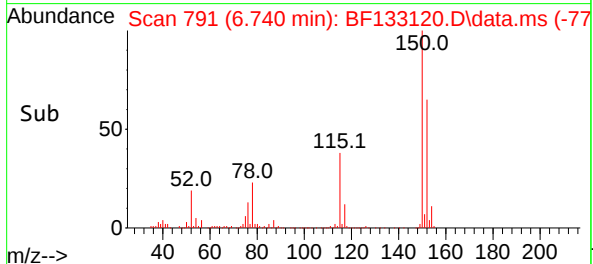
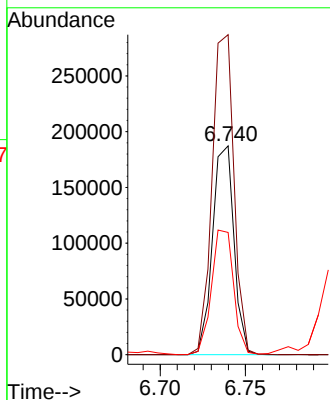
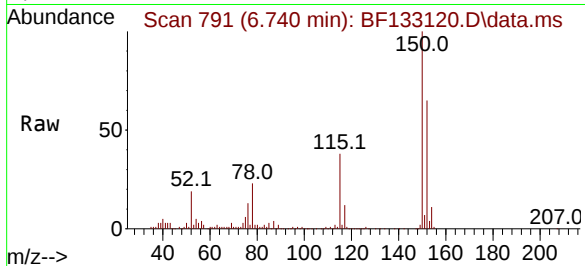




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. 0.001 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

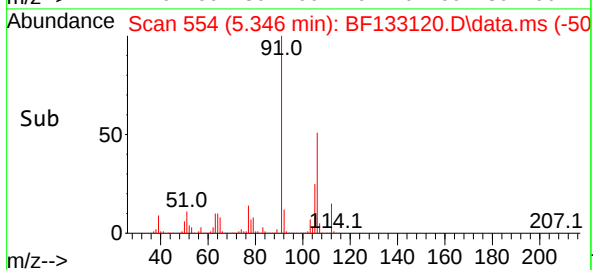
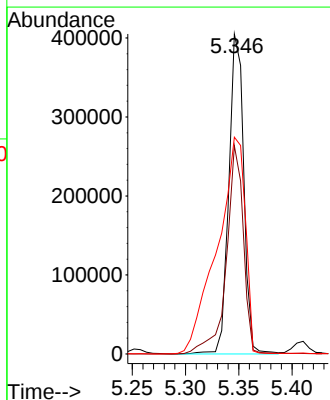
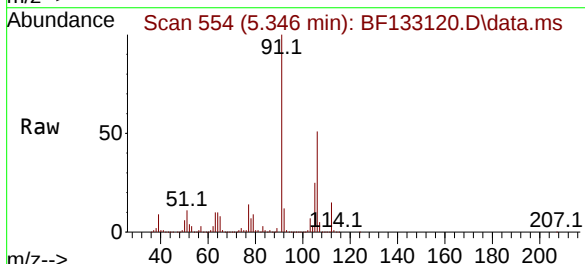
Instrument :
BNA_F
ClientSampleId :
MW-2

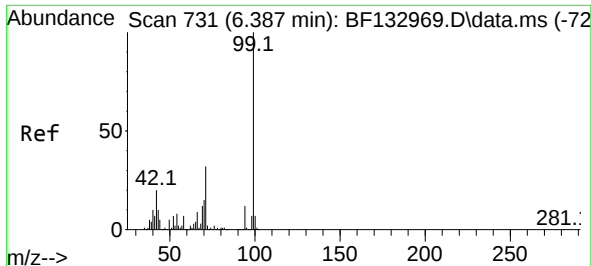
Tgt Ion:152 Resp: 163933
Ion Ratio Lower Upper
152 100
150 153.3 124.8 187.2
115 58.6 49.9 74.9



#5
2-Fluorophenol
Concen: 36.212 ng
RT: 5.346 min Scan# 554
Delta R.T. 0.000 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

Tgt Ion:112 Resp: 392972
Ion Ratio Lower Upper
112 100
64 65.1 46.8 70.2
63 67.8 23.8 35.8





#7

Phenol-d6

Concen: 39.926 ng

RT: 6.381 min Scan# 716

Delta R.T. 0.000 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

Instrument :

BNA_F

ClientSampleId :

MW-2

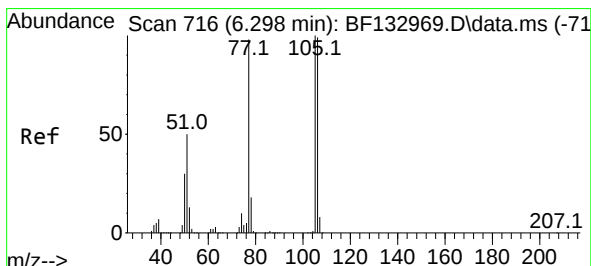
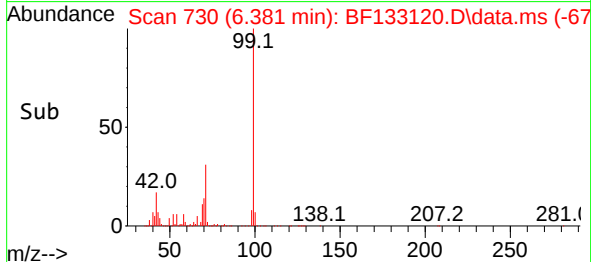
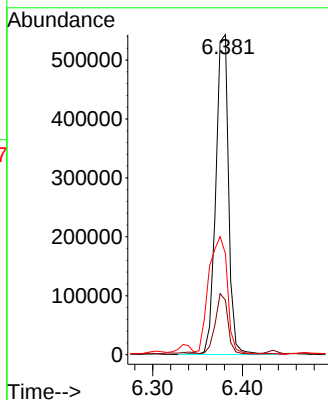
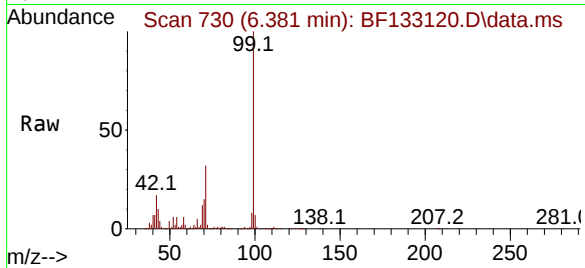
Tgt Ion: 99 Resp: 537795

Ion Ratio Lower Upper

99 100

42 17.0 16.3 24.5

71 31.6 25.6 38.4



#9

Benzaldehyde

Concen: 33.009 ng

RT: 6.299 min Scan# 716

Delta R.T. 0.018 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

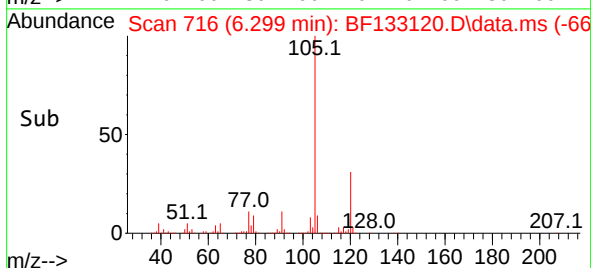
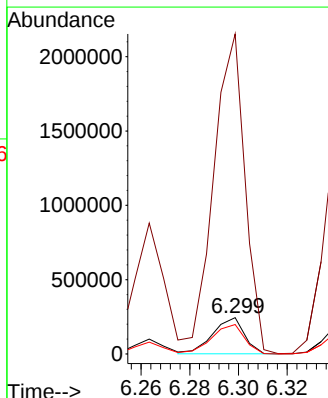
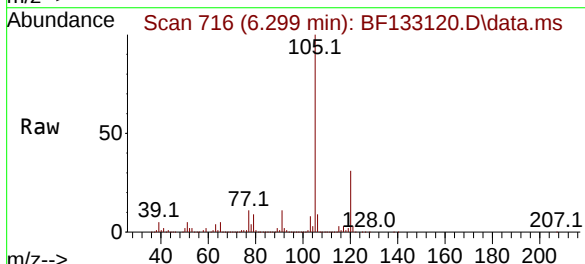
Tgt Ion: 77 Resp: 218825

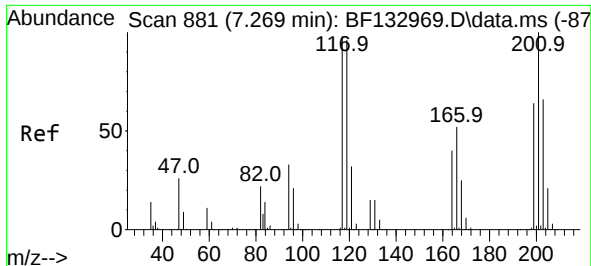
Ion Ratio Lower Upper

77 100

105 881.3 82.3 122.3#

106 81.3 80.8 120.8

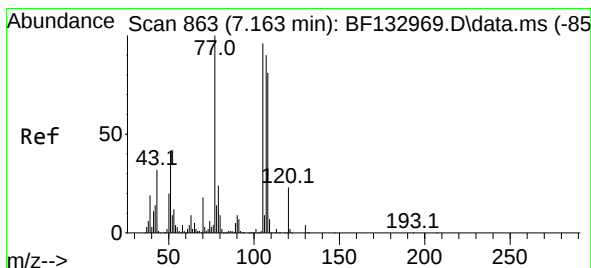
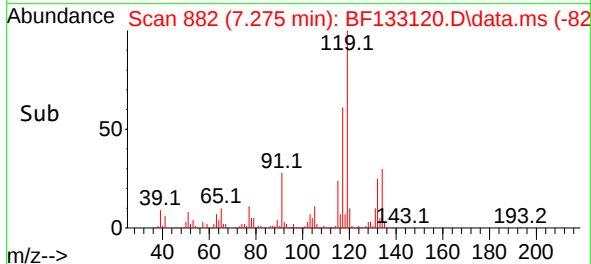
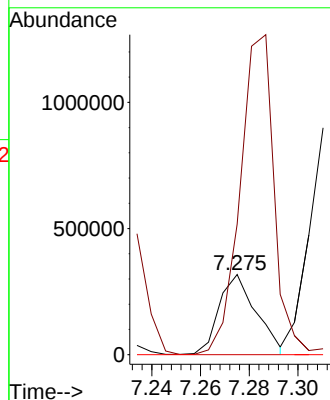
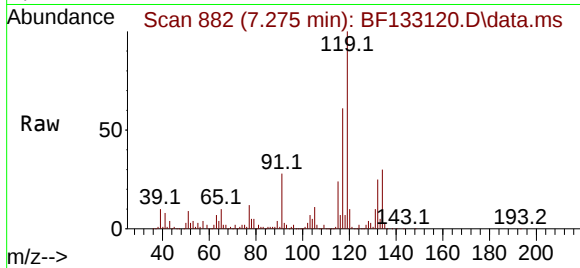




#18
Hexachloroethane
Concen: 82.503 ng
RT: 7.275 min Scan# 81
Delta R.T. 0.024 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

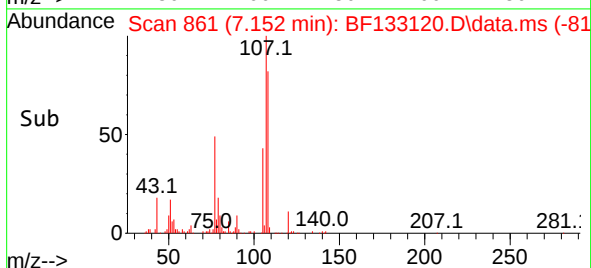
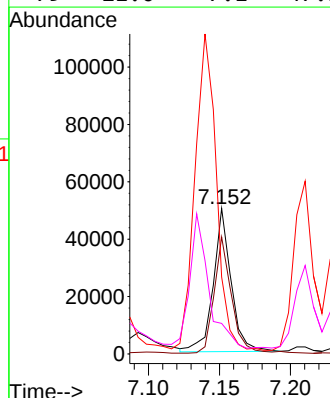
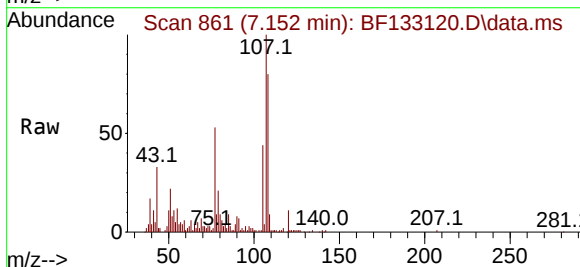
Instrument :
BNA_F
ClientSampleId :
MW-2

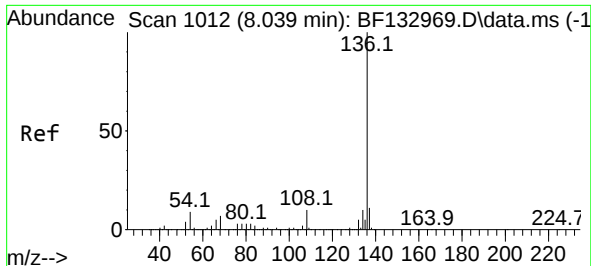
Tgt Ion:117 Resp: 336763
Ion Ratio Lower Upper
117 100
119 162.7 78.2 117.4#
201 0.0 81.7 122.5#



#20
3+4-Methylphenols
Concen: 3.668 ng
RT: 7.152 min Scan# 861
Delta R.T. -0.005 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

Tgt Ion:107 Resp: 43584
Ion Ratio Lower Upper
107 100
108 80.4 70.5 110.5
77 52.8 91.7 131.7#
79 21.0 7.1 47.1

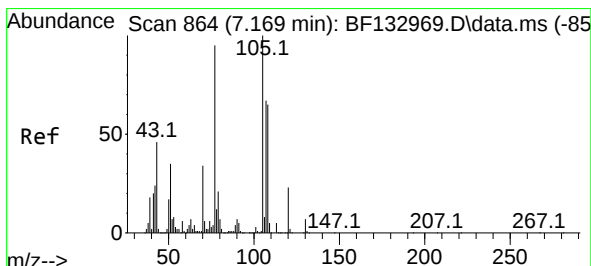
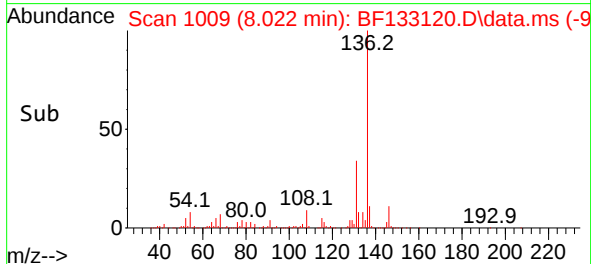
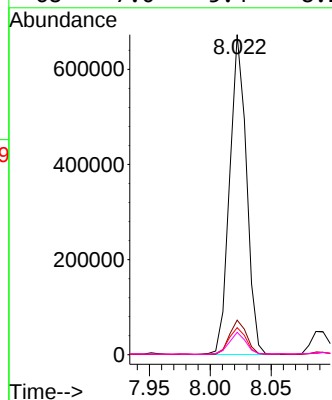
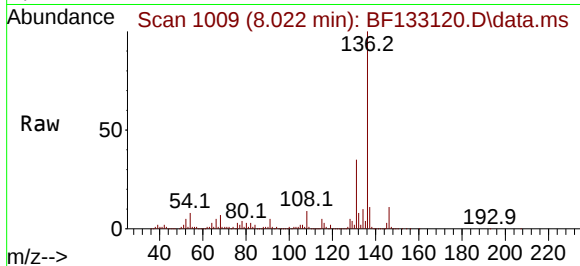




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

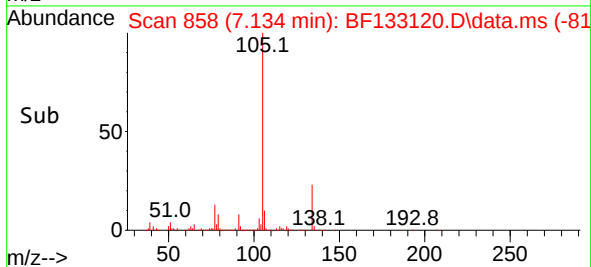
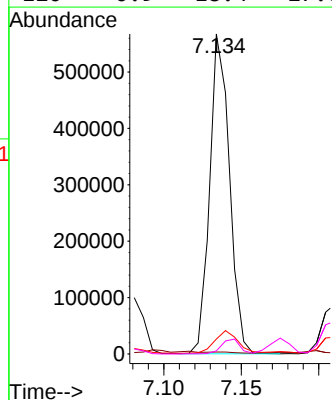
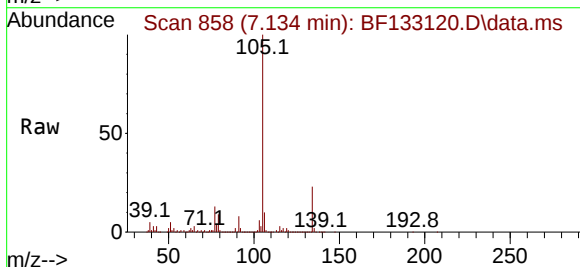
Instrument :
BNA_F
ClientSampleId :
MW-2

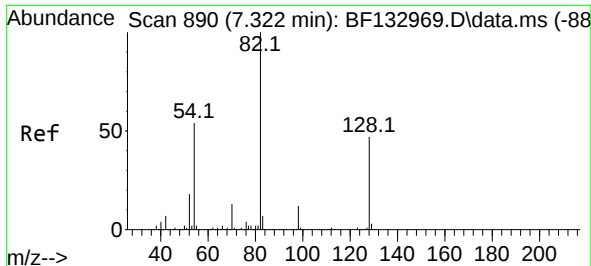
Tgt Ion:	136	Resp:	644173
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.5	7.0	10.4
68	7.0	5.4	8.2



#22
Acetophenone
Concen: 33.660 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.017 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

Tgt Ion:	105	Resp:	502280
Ion	Ratio	Lower	Upper
105	100		
71	0.6	4.6	7.0#
51	4.7	28.2	42.2#
120	0.9	18.4	27.6#





#23

Nitrobenzene-d5

Concen: 84.957 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.006 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

Instrument :

BNA_F

ClientSampleId :

MW-2

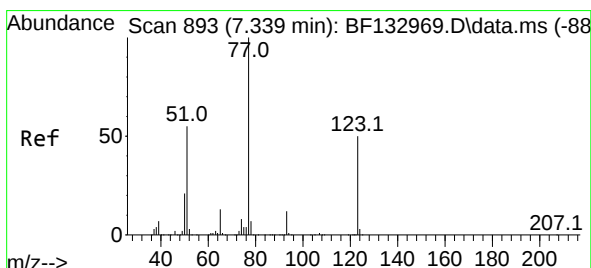
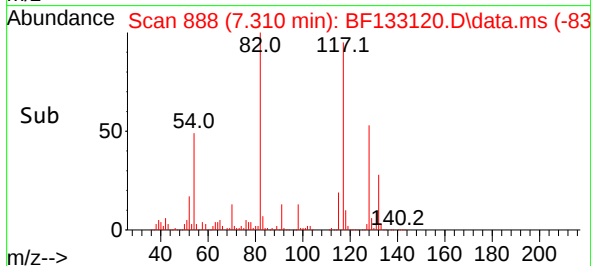
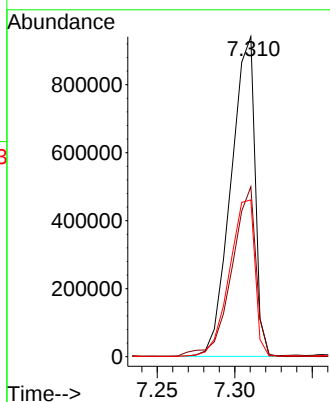
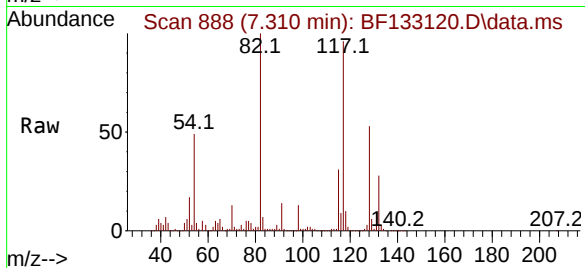
Tgt Ion: 82 Resp: 1013903

Ion Ratio Lower Upper

82 100

128 53.1 37.7 56.5

54 49.0 43.0 64.4



#24

Nitrobenzene

Concen: 4.040 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.005 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

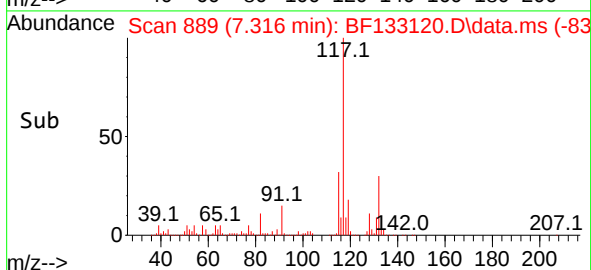
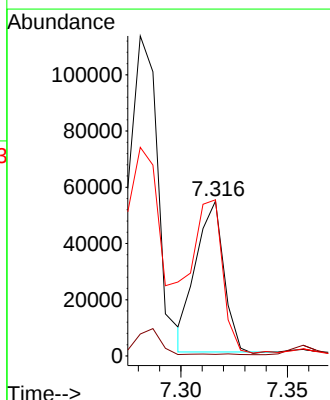
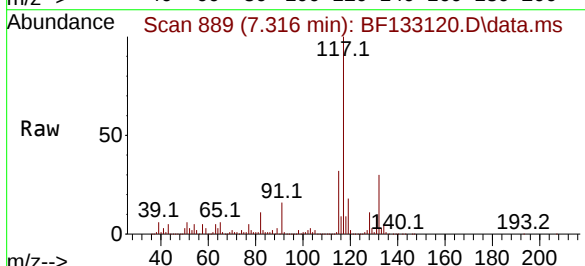
Tgt Ion: 77 Resp: 48862

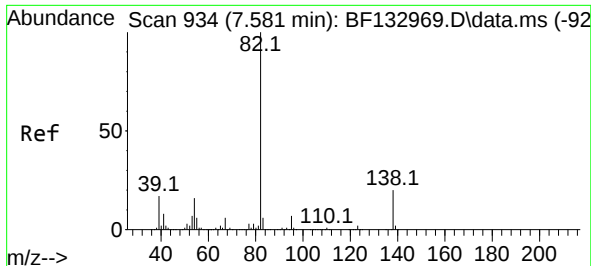
Ion Ratio Lower Upper

77 100

123 1.0 39.9 59.9#

65 100.8 10.7 16.1#

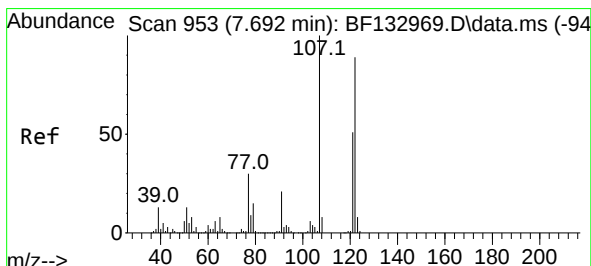
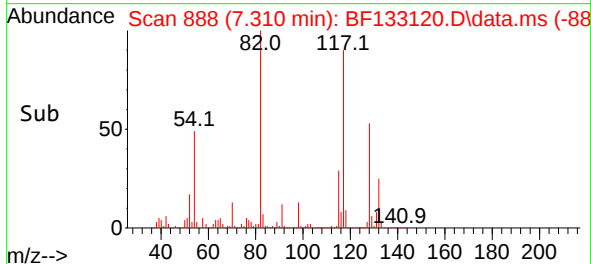
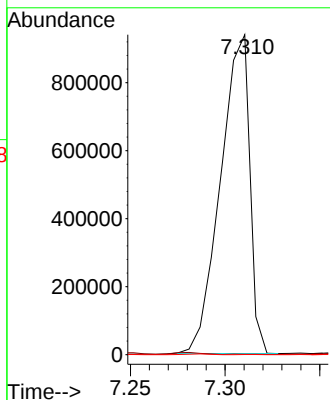
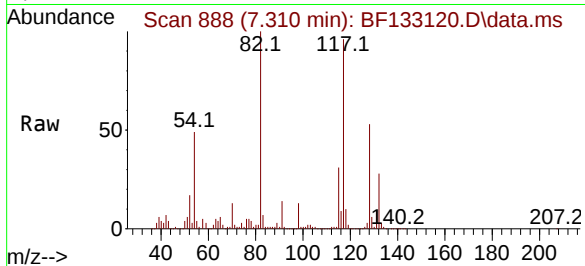




#25
Isophorone
Concen: 44.334 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

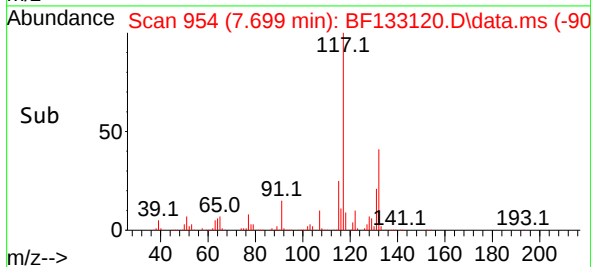
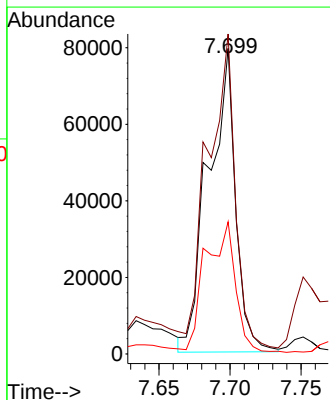
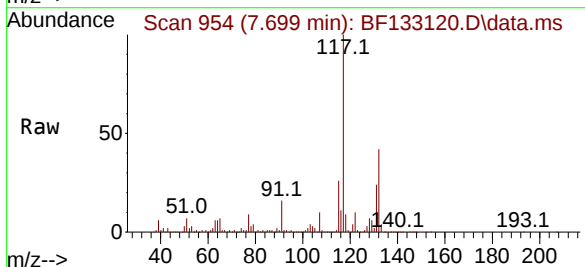
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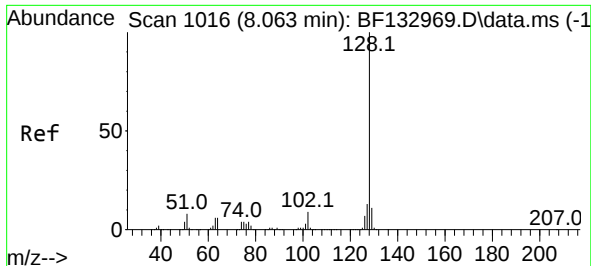
Tgt Ion: 82 Resp: 1004570
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.0#
138 0.0 16.0 24.0#



#27
2,4-Dimethylphenol
Concen: 10.553 ng
RT: 7.699 min Scan# 954
Delta R.T. 0.012 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

Tgt Ion:122 Resp: 105555
Ion Ratio Lower Upper
122 100
107 104.7 89.7 134.5
121 43.2 46.0 69.0#

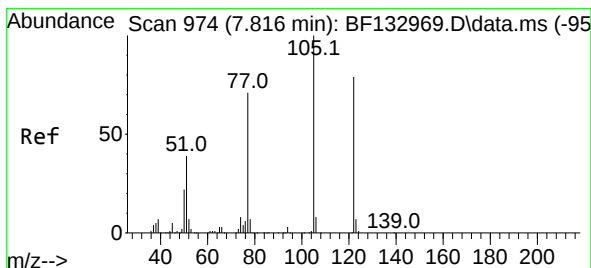
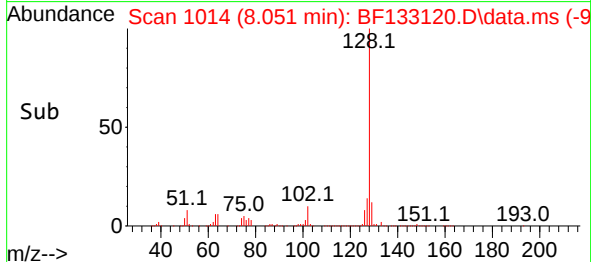
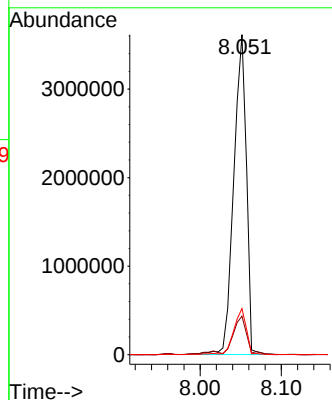
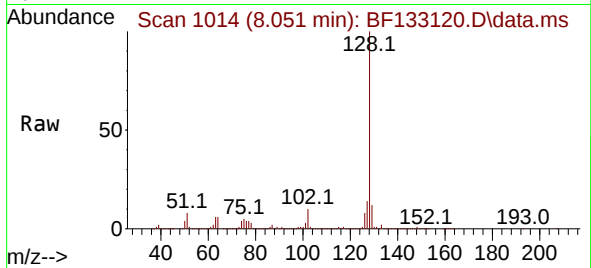




#31
Naphthalene
Concen: 120.834 ng
RT: 8.051 min Scan# 1016
Delta R.T. 0.006 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

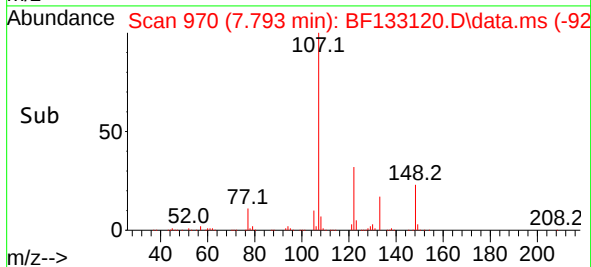
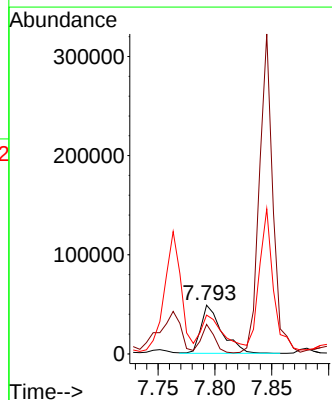
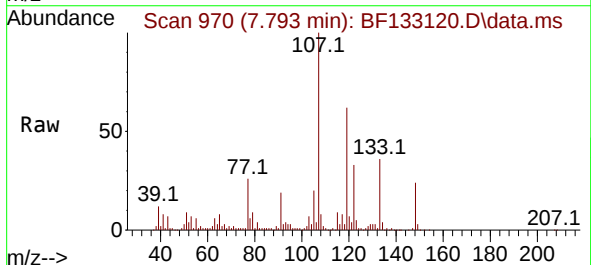
Instrument :
BNA_F
ClientSampleId :
MW-2

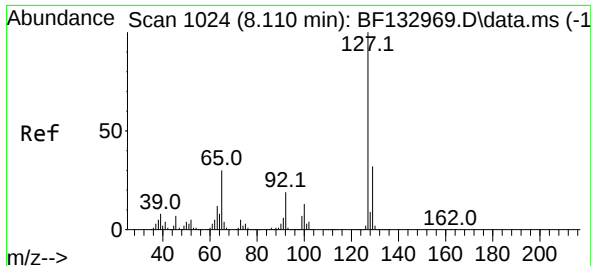
Tgt Ion:128 Resp: 3891655
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.4 10.7 16.1



#32
Benzoic acid
Concen: 10.021 ng
RT: 7.793 min Scan# 970
Delta R.T. -0.011 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

Tgt Ion:122 Resp: 61911
Ion Ratio Lower Upper
122 100
105 60.4 104.2 144.2#
77 79.7 69.7 109.7

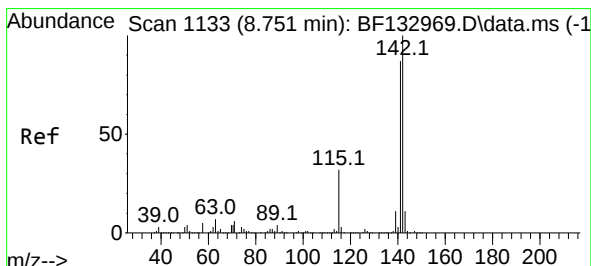
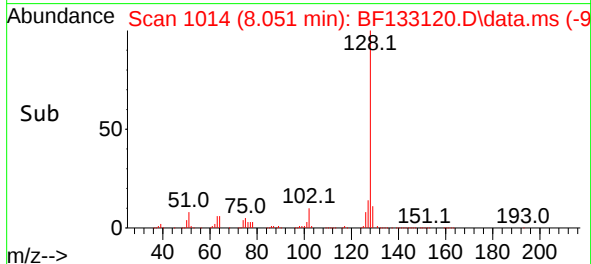
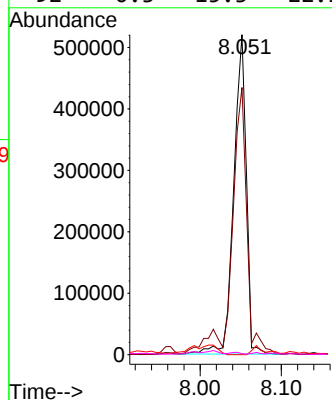
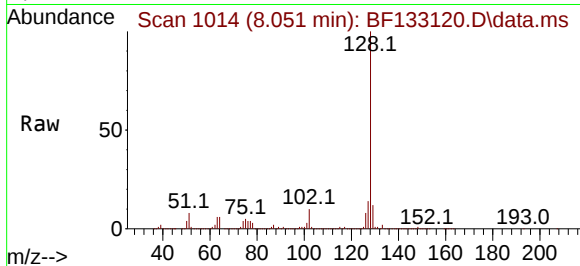




#33
4-Chloroaniline
Concen: 42.902 ng
RT: 8.051 min Scan# 110
Delta R.T. -0.047 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

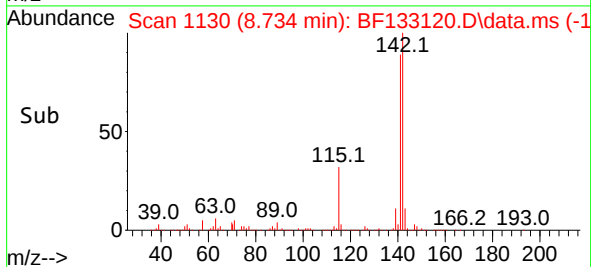
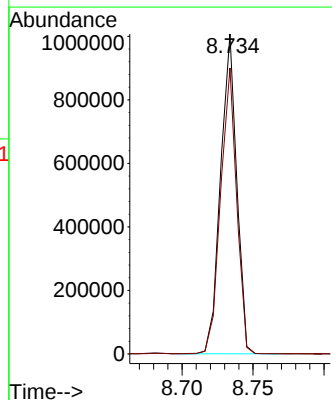
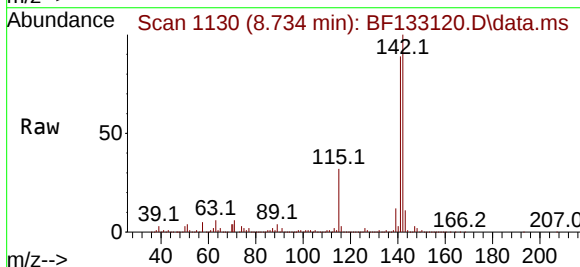
Instrument :
BNA_F
ClientSampleId :
MW-2

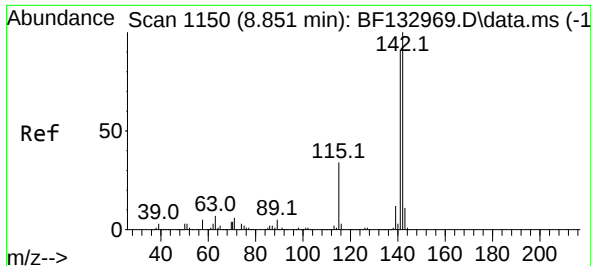
Tgt Ion:127 Resp: 558269
Ion Ratio Lower Upper
127 100
129 83.5 25.8 38.8#
65 0.0 23.6 35.4#
92 0.3 15.3 22.9#



#37
2-Methylnaphthalene
Concen: 35.993 ng
RT: 8.734 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BF133120.D
Acq: 28 Apr 2023 13:24

Tgt Ion:142 Resp: 792529
Ion Ratio Lower Upper
142 100
141 89.4 69.4 104.0





#38

1-Methylnaphthalene

Concen: 21.970 ng

RT: 8.834 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

Instrument :

BNA_F

ClientSampleId :

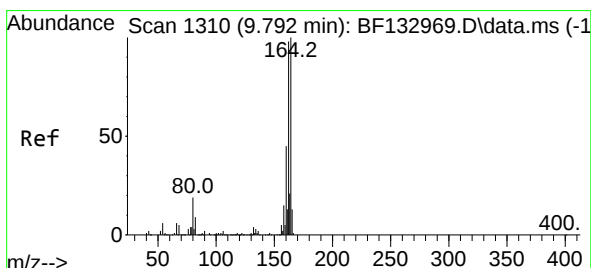
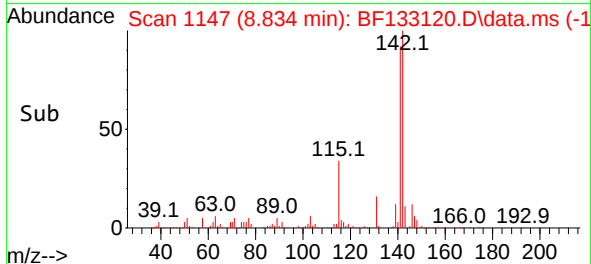
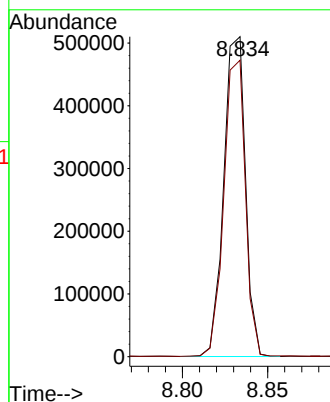
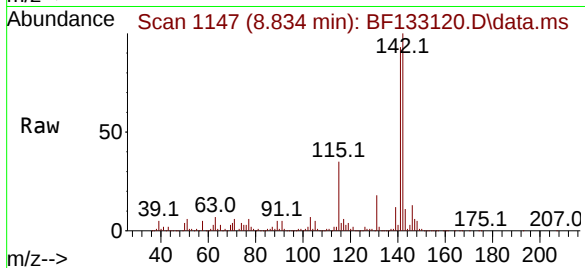
MW-2

Tgt Ion:142 Resp: 452542

Ion Ratio Lower Upper

142 100

141 92.6 73.1 109.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.005 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

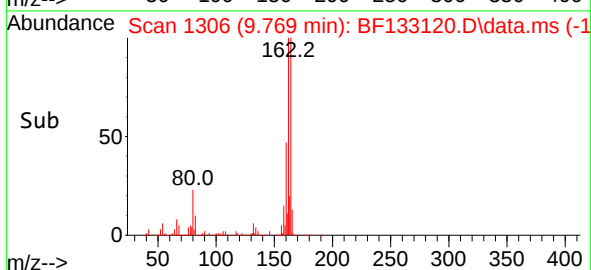
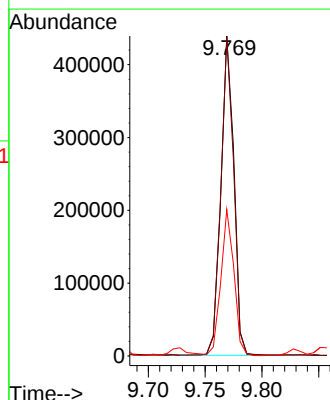
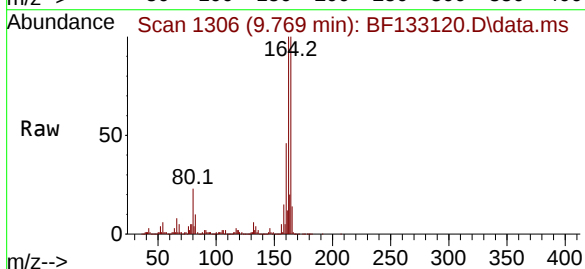
Tgt Ion:164 Resp: 348688

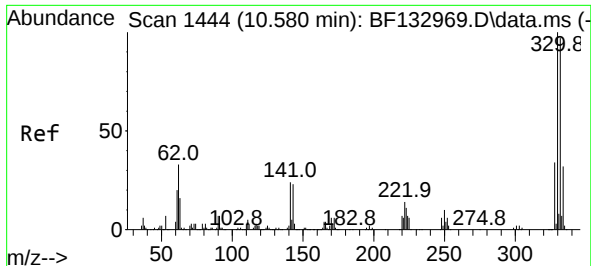
Ion Ratio Lower Upper

164 100

162 99.7 78.7 118.1

160 45.8 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 145.425 ng

RT: 10.563 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

Instrument :

BNA_F

ClientSampleId :

MW-2

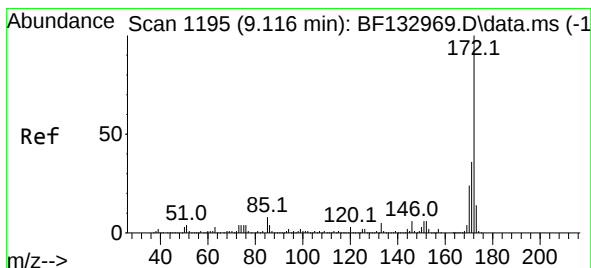
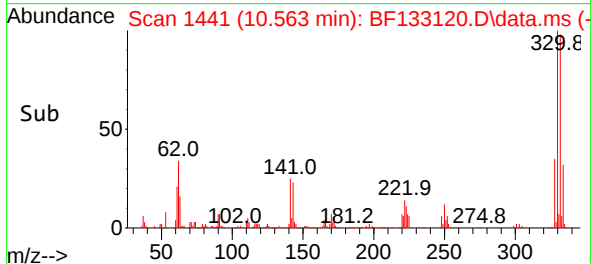
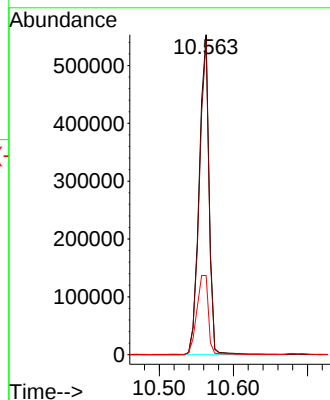
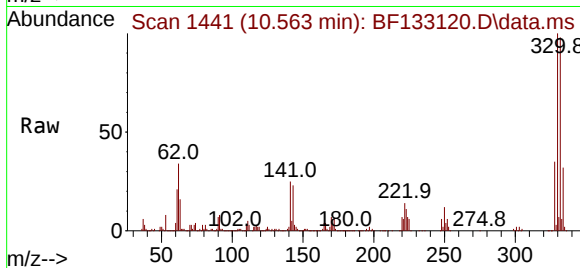
Tgt Ion:330 Resp: 509964

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

141 28.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 90.856 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

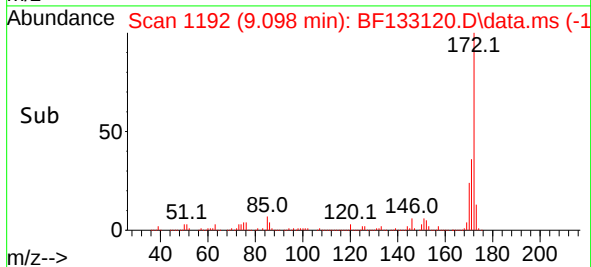
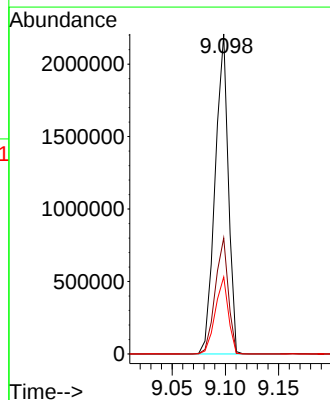
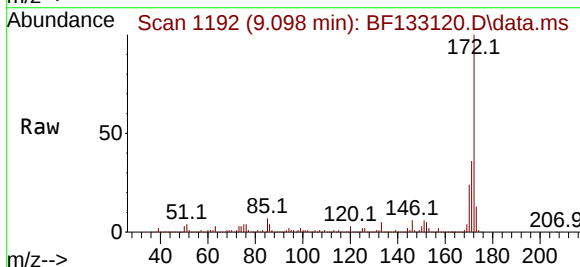
Tgt Ion:172 Resp: 1893638

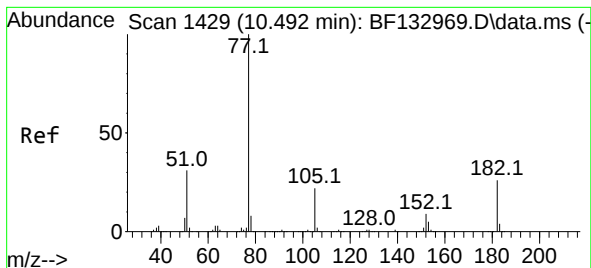
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.1 19.4 29.2





#63

Azobenzene

Concen: 4.956 ng

RT: 10.487 min Scan# 1428

Delta R.T. 0.012 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

Instrument :

BNA_F

ClientSampleId :

MW-2

Tgt Ion: 77 Resp: 120574

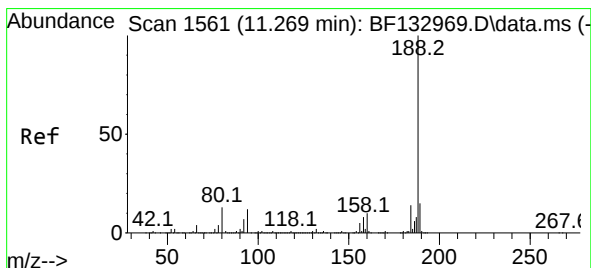
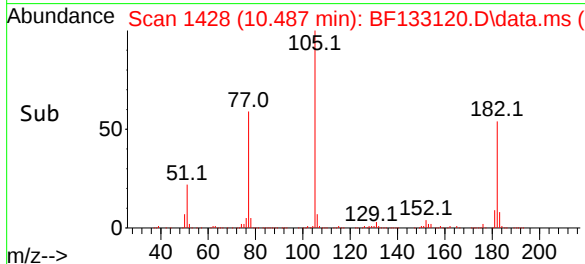
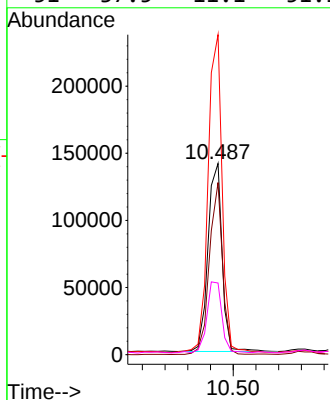
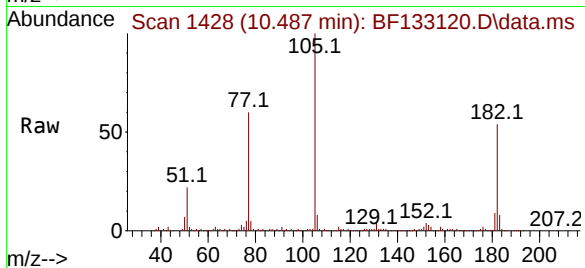
Ion Ratio Lower Upper

77 100

182 90.1 5.9 45.9#

105 167.4 2.3 42.3#

51 37.5 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.005 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

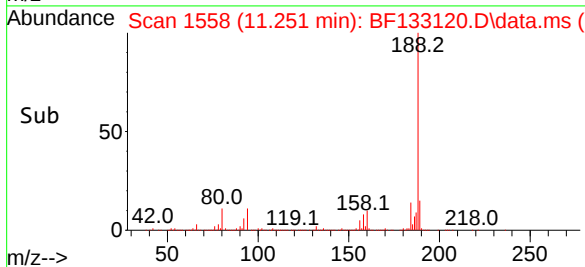
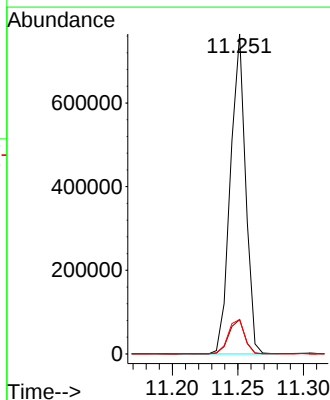
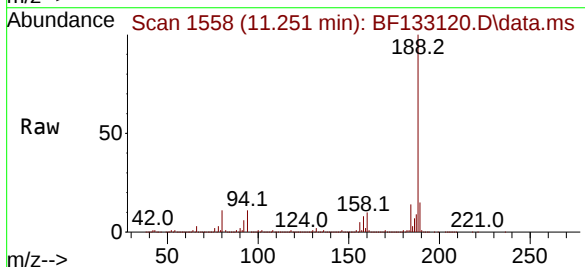
Tgt Ion:188 Resp: 616577

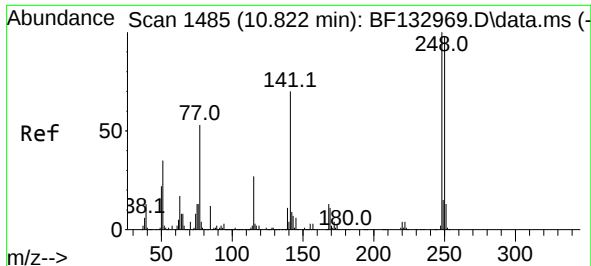
Ion Ratio Lower Upper

188 100

94 10.7 9.7 14.5

80 10.8 10.4 15.6





#67

4-Bromophenyl-phenylether

Concen: 4.584 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.241 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

Instrument :

BNA_F

ClientSampleId :

MW-2

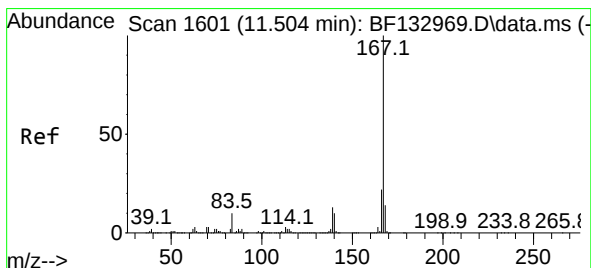
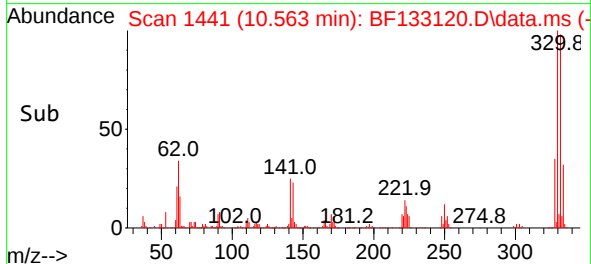
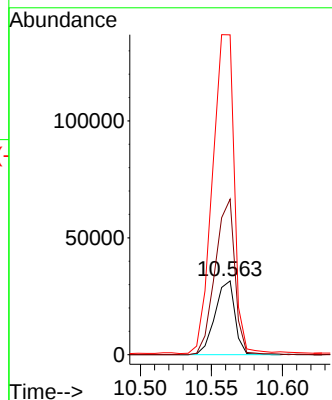
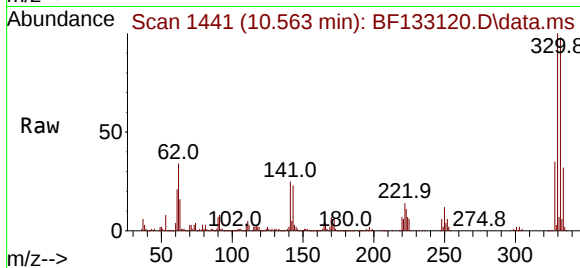
Tgt Ion:248 Resp: 30652

Ion Ratio Lower Upper

248 100

250 210.9 78.7 118.1#

141 433.8 56.3 84.5#



#73

Carbazole

Concen: 3.005 ng

RT: 11.481 min Scan# 1597

Delta R.T. -0.005 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

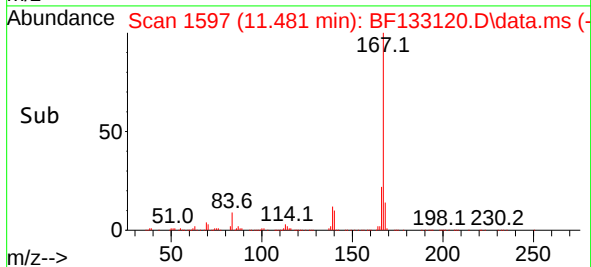
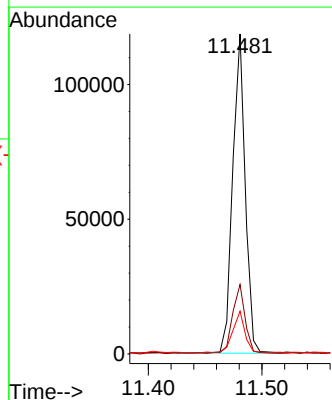
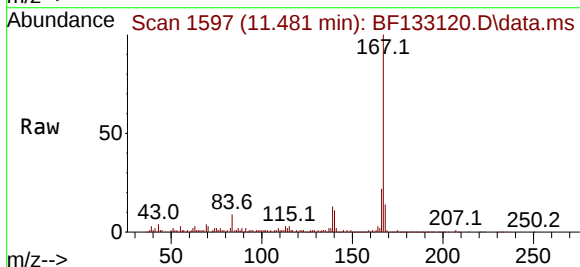
Tgt Ion:167 Resp: 90746

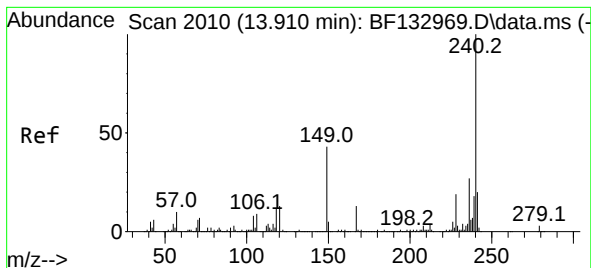
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

139 13.3 10.6 16.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.881 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

Instrument :

BNA_F

ClientSampleId :

MW-2

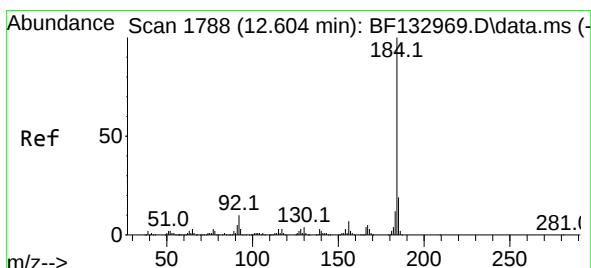
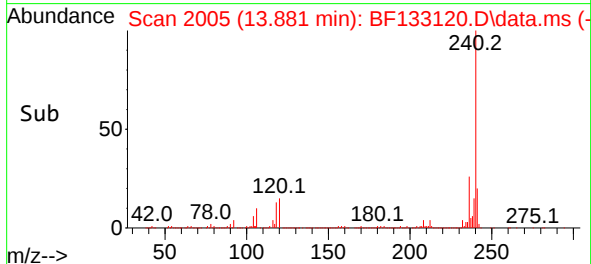
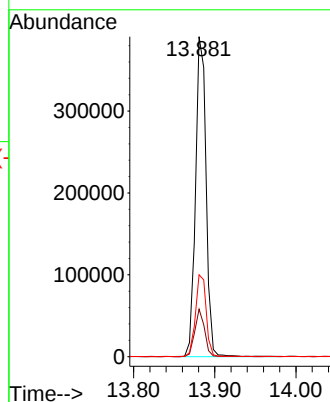
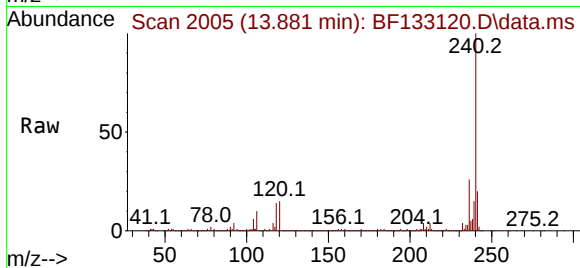
Tgt Ion:240 Resp: 355746

Ion Ratio Lower Upper

240 100

120 14.8 10.5 15.7

236 25.6 21.5 32.3



#77

Benzidine

Concen: 3.882 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.253 min

Lab File: BF133120.D

Acq: 28 Apr 2023 13:24

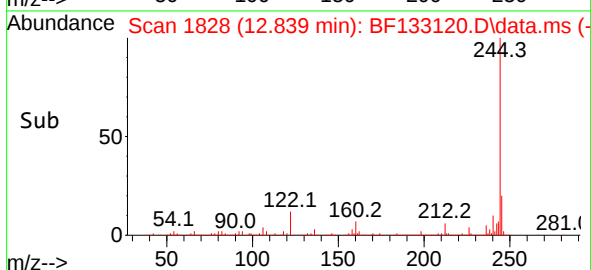
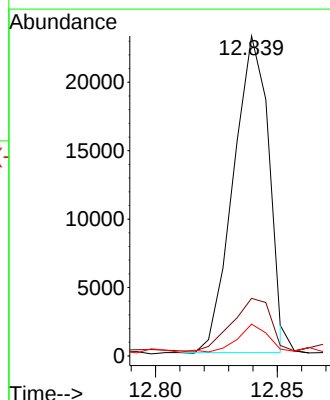
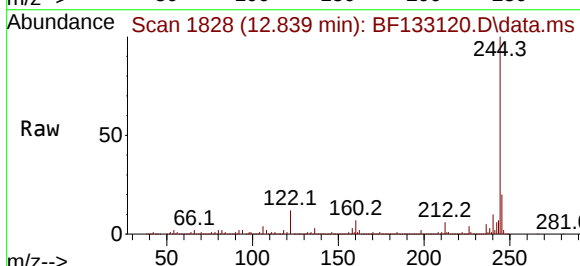
Tgt Ion:184 Resp: 23352

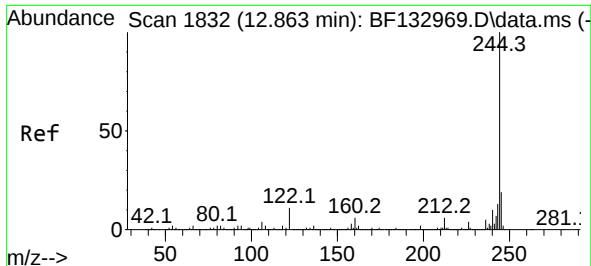
Ion Ratio Lower Upper

184 100

185 18.0 15.4 23.2

183 9.9 9.4 14.0

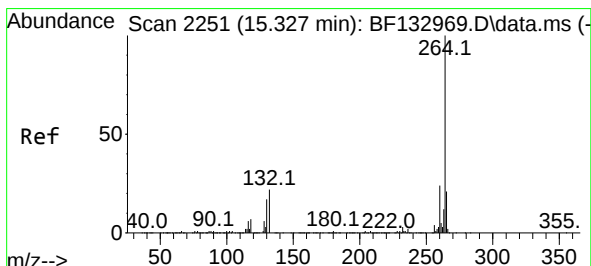
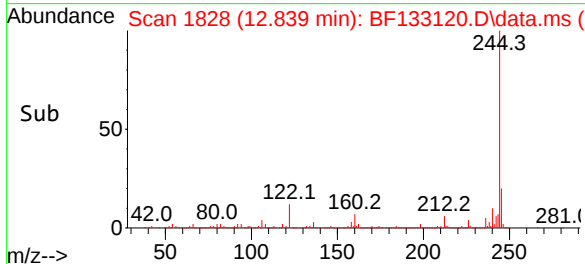
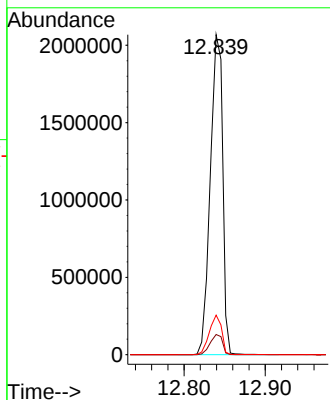
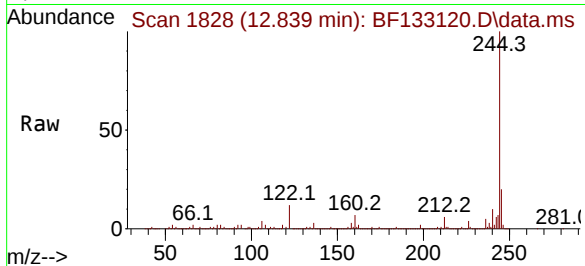




#79
 Terphenyl-d14
 Concen: 105.817 ng
 RT: 12.839 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BF133120.D
 Acq: 28 Apr 2023 13:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-2

Tgt Ion:244 Resp: 2182689
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.3 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.005 min
 Lab File: BF133120.D
 Acq: 28 Apr 2023 13:24

Tgt Ion:264 Resp: 331057
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 20.7 17.0 25.4

