

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133121.D
 Acq On : 28 Apr 2023 13:55
 Operator : CG\JU
 Sample : 02522-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

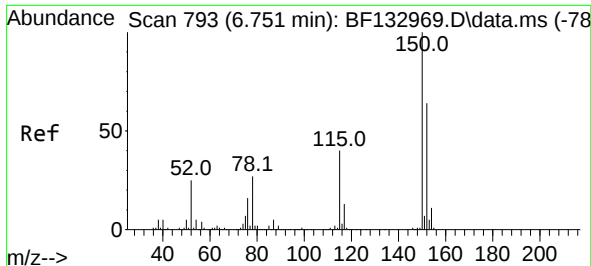
Instrument :
 BNA_F
 ClientSampleId :
 MW-6

Quant Time: Apr 28 14:47:02 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	164435	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	640253	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	344025	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	586135	20.000	ng	0.00
76) Chrysene-d12	13.880	240	334570	20.000	ng	-0.01
86) Perylene-d12	15.304	264	347579	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	395743	36.356	ng	0.00
7) Phenol-d6	6.381	99	573937	42.479	ng	0.00
23) Nitrobenzene-d5	7.304	82	1038767	87.574	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	473491	136.854	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1839814	89.470	ng	0.00
79) Terphenyl-d14	12.839	244	2006383	103.427	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	225831	34.432	ng	# 1
10) Phenol	6.393	94	75291	5.051	ng	100
17) 2-Methylphenol	6.998	107	60079	5.937	ng	91
18) Hexachloroethane	7.275	117	166570	40.683	ng	# 1
20) 3+4-Methylphenols	7.151	107	58748	4.929	ng	# 65
22) Acetophenone	7.134	105	294112	19.831	ng	# 53
24) Nitrobenzene	7.310	77	24301	2.022	ng	# 1
25) Isophorone	7.304	82	1023155	45.431	ng	# 63
27) 2,4-Dimethylphenol	7.704	122	966643	97.238	ng	# 90
31) Naphthalene	8.045	128	802083	25.057	ng	99
32) Benzoic acid	7.816	122	51098	8.321	ng	# 14
37) 2-Methylnaphthalene	8.734	142	177406	8.106	ng	100
38) 1-Methylnaphthalene	8.828	142	182522	8.915	ng	99
57) 2,4-Dinitrotoluene	9.769	165	45562	6.617	ng	# 28
67) 4-Bromophenyl-phenylether	10.563	248	29652	4.664	ng	# 1

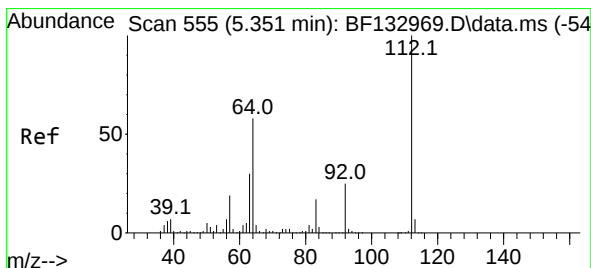
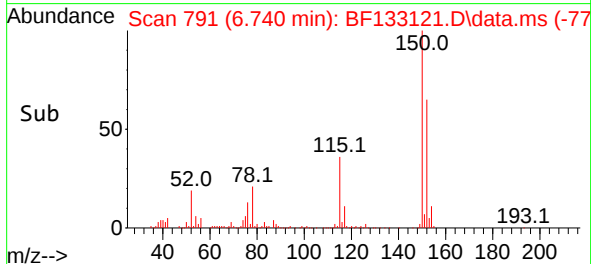
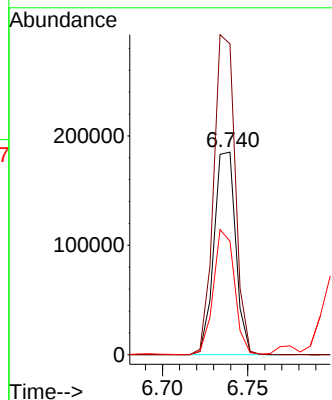
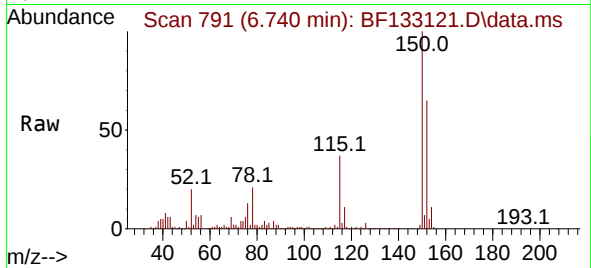
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. 0.001 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

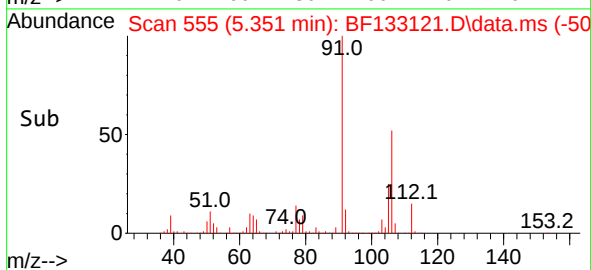
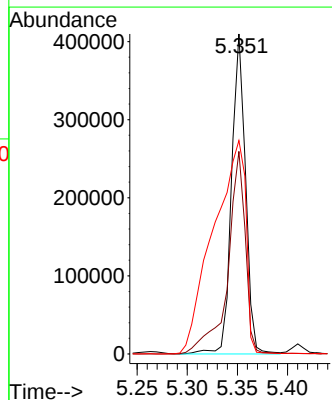
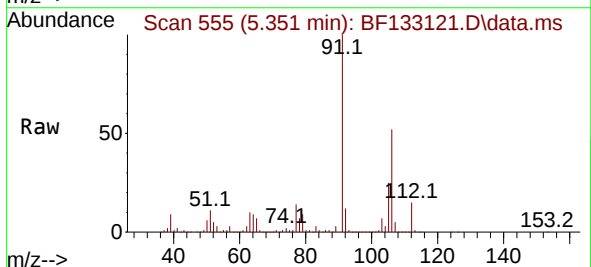
Instrument :
BNA_F
ClientSampleId :
MW-6

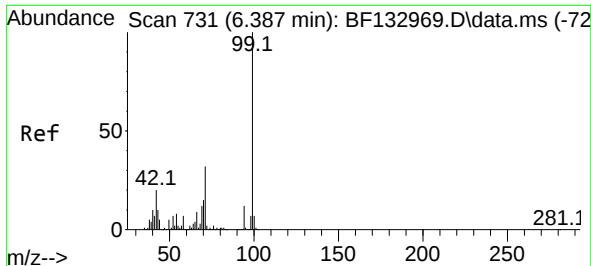
Tgt Ion:152 Resp: 164435
Ion Ratio Lower Upper
152 100
150 153.5 124.8 187.2
115 56.0 49.9 74.9



#5
2-Fluorophenol
Concen: 36.356 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.006 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Tgt Ion:112 Resp: 395743
Ion Ratio Lower Upper
112 100
64 63.3 46.8 70.2
63 66.7 23.8 35.8#

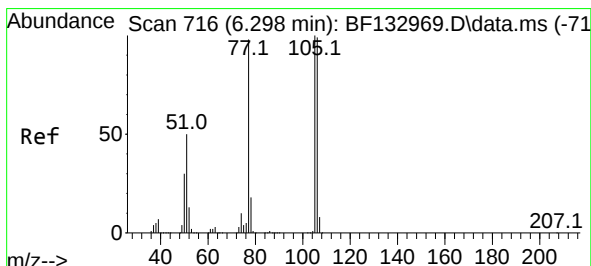
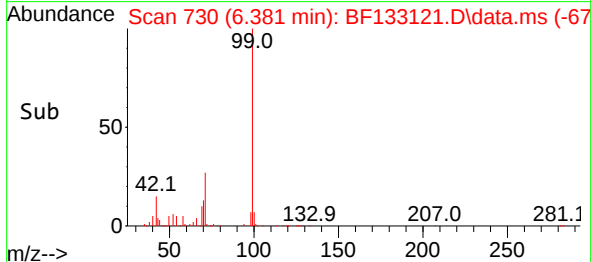
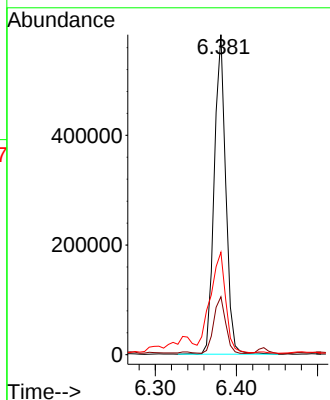
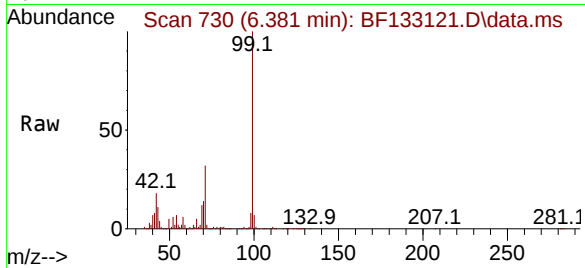




#7
Phenol-d6
Concen: 42.479 ng
RT: 6.381 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

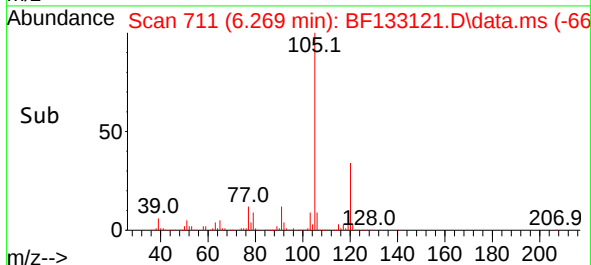
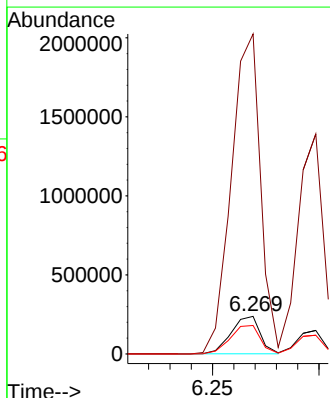
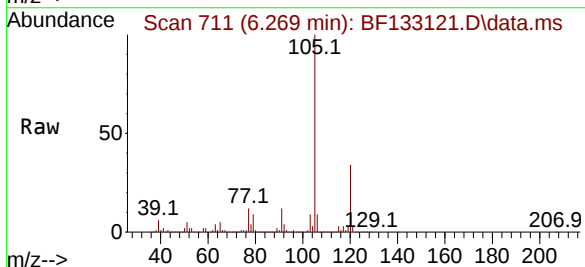
Instrument :
BNA_F
ClientSampleId :
MW-6

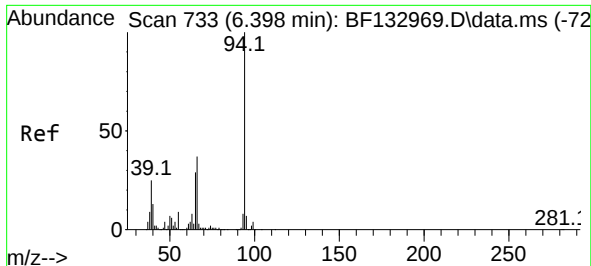
Tgt Ion: 99 Resp: 573937
Ion Ratio Lower Upper
99 100
42 18.1 16.3 24.5
71 32.0 25.6 38.4



#9
Benzaldehyde
Concen: 34.432 ng
RT: 6.269 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Tgt Ion: 77 Resp: 225831
Ion Ratio Lower Upper
77 100
105 850.8 82.3 122.3#
106 75.7 80.8 120.8#

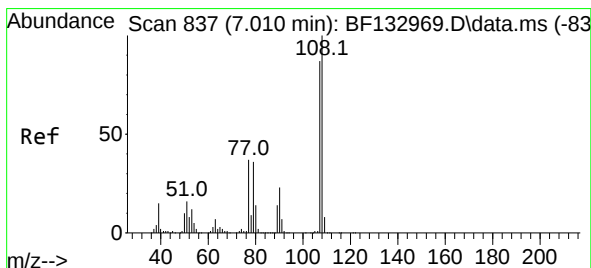
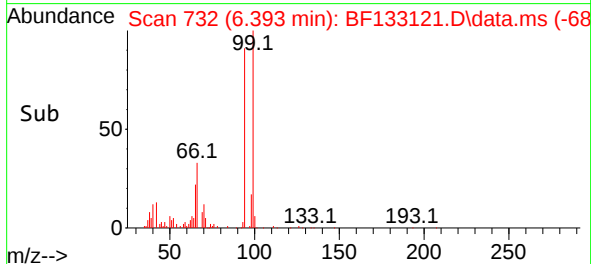
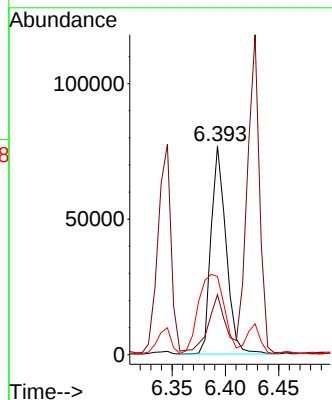
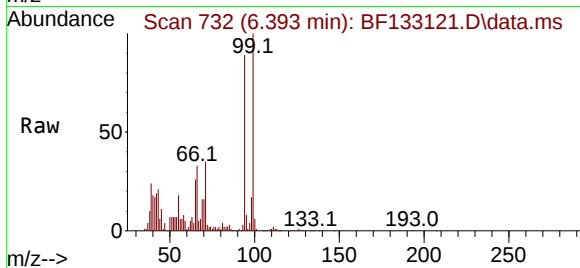




#10
Phenol
Concen: 5.051 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

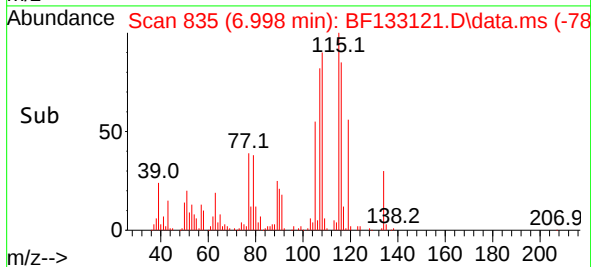
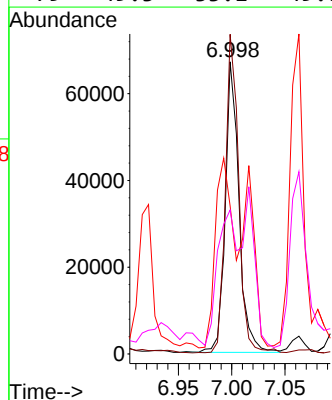
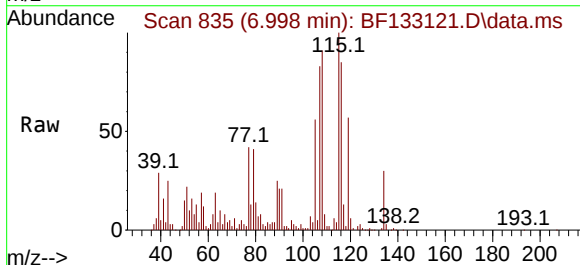
Instrument :
BNA_F
ClientSampleId :
MW-6

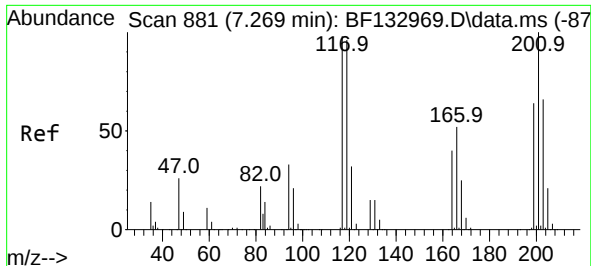
Tgt Ion: 94 Resp: 75291
Ion Ratio Lower Upper
94 100
65 28.8 8.6 48.6
66 37.4 17.3 57.3



#17
2-Methylphenol
Concen: 5.937 ng
RT: 6.998 min Scan# 835
Delta R.T. -0.006 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Tgt Ion:107 Resp: 60079
Ion Ratio Lower Upper
107 100
108 109.4 92.4 138.6
77 50.7 33.8 50.8
79 49.3 33.1 49.7

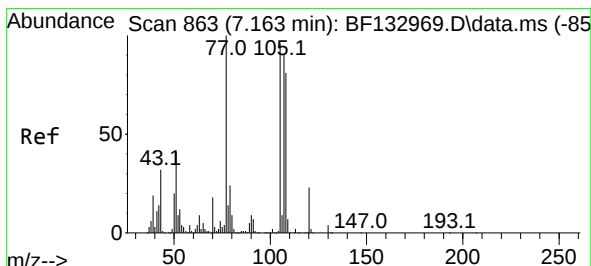
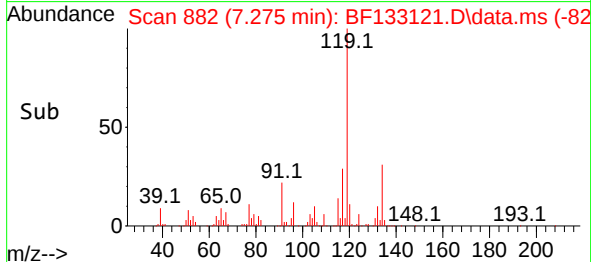
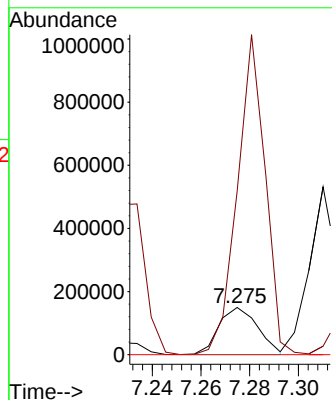
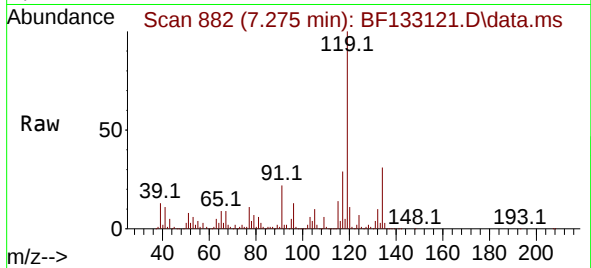




#18
Hexachloroethane
Concen: 40.683 ng
RT: 7.275 min Scan# 881
Delta R.T. 0.024 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

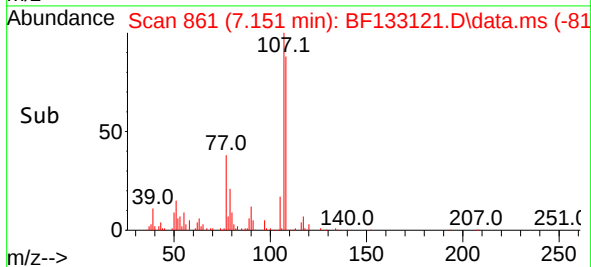
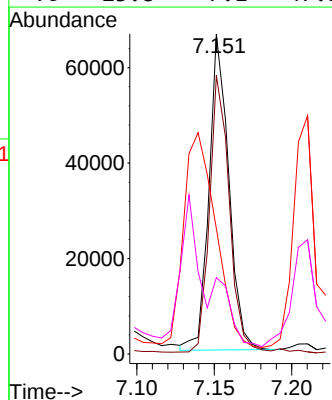
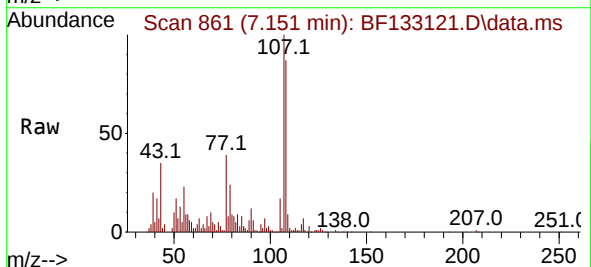
Instrument :
BNA_F
ClientSampleId :
MW-6

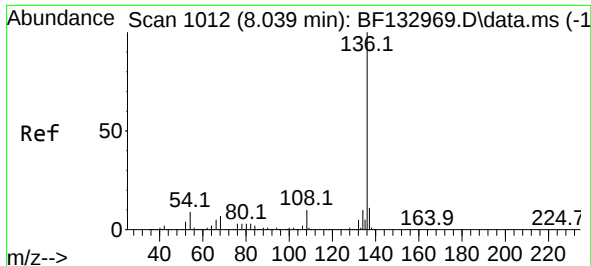
Tgt Ion:117 Resp: 166570
Ion Ratio Lower Upper
117 100
119 346.6 78.2 117.4#
201 0.0 81.7 122.5#



#20
3+4-Methylphenols
Concen: 4.929 ng
RT: 7.151 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Tgt Ion:107 Resp: 58748
Ion Ratio Lower Upper
107 100
108 87.1 70.5 110.5
77 39.1 91.7 131.7#
79 23.8 7.1 47.1

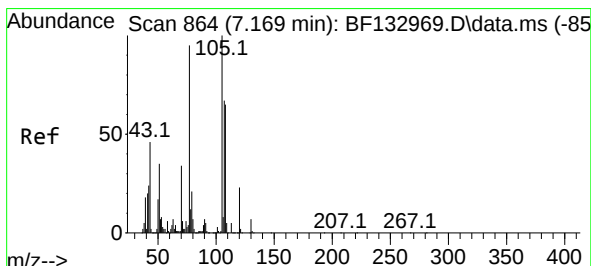
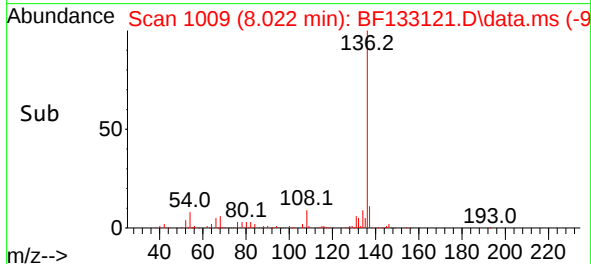
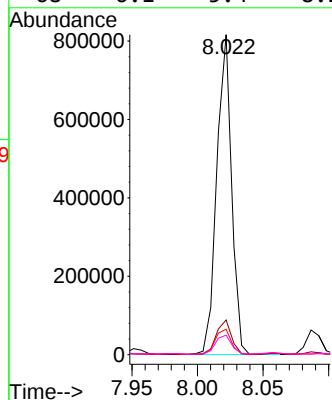
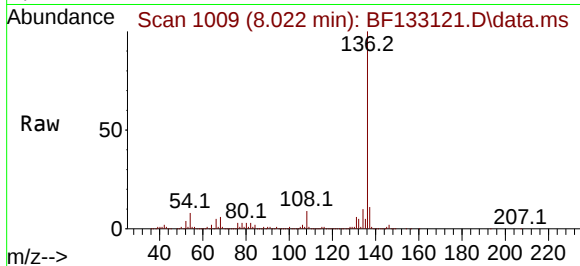




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

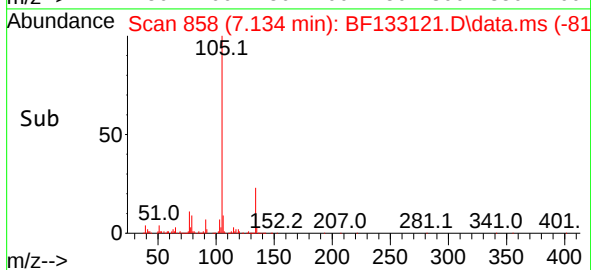
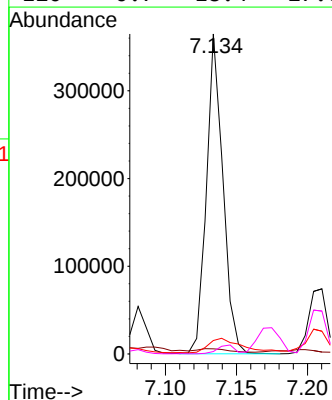
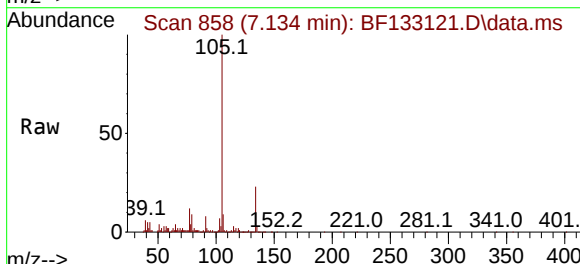
Instrument :
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ClientSampleId :
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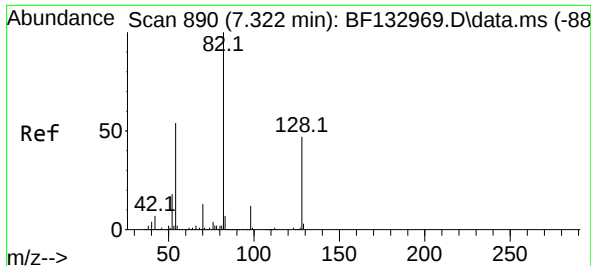
Tgt Ion:136	Resp: 640253
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 7.9	7.0 10.4
68 6.1	5.4 8.2



#22
Acetophenone
Concen: 19.831 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.017 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Tgt	Ion:105	Resp:	294112
Ion	Ratio	Lower	Upper
105	100		
71	1.6	4.6	7.0#
51	4.2	28.2	42.2#
120	0.7	18.4	27.6#





#23

Nitrobenzene-d5

Concen: 87.574 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.000 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

Instrument :

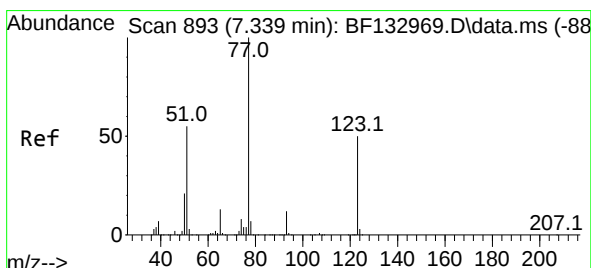
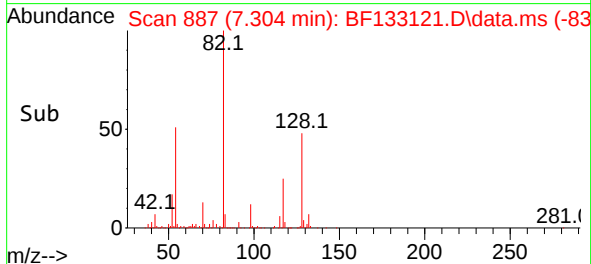
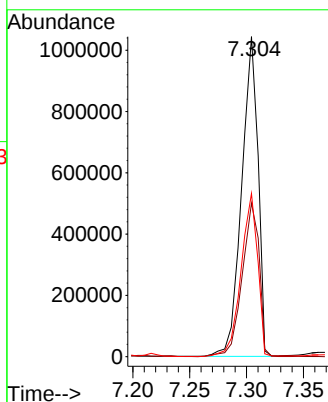
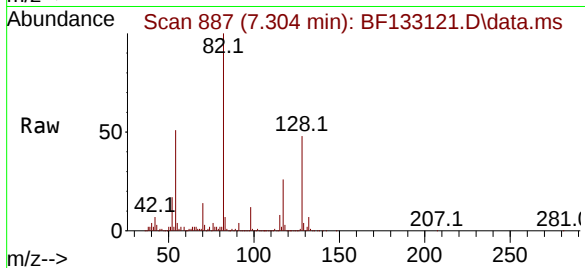
BNA_F

ClientSampleId :

MW-6

Tgt Ion: 82 Resp: 1038767

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.7	56.5
54	51.0	43.0	64.4



#24

Nitrobenzene

Concen: 2.022 ng

RT: 7.310 min Scan# 888

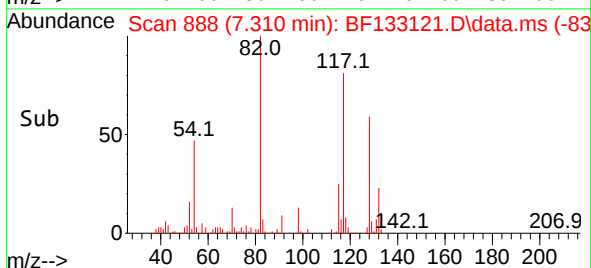
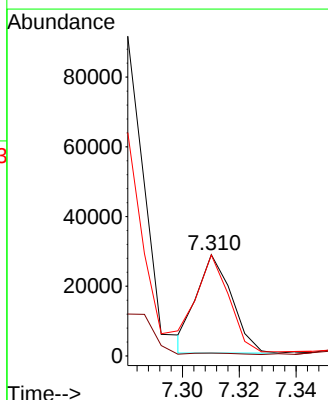
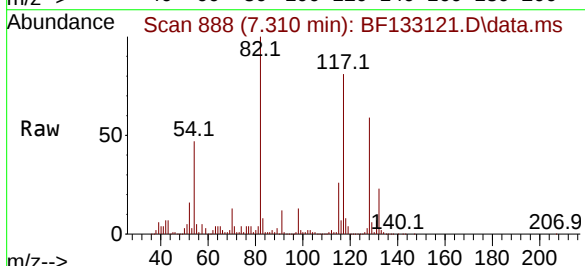
Delta R.T. -0.012 min

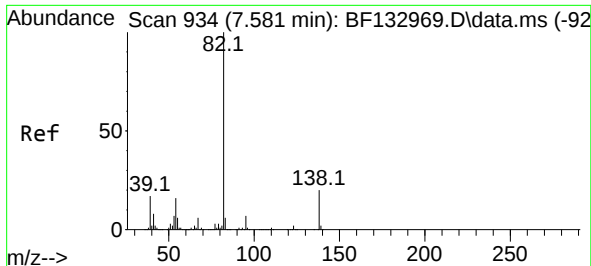
Lab File: BF133121.D

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Tgt Ion: 77 Resp: 24301

Ion	Ratio	Lower	Upper
77	100		
123	2.8	39.9	59.9#
65	99.7	10.7	16.1#

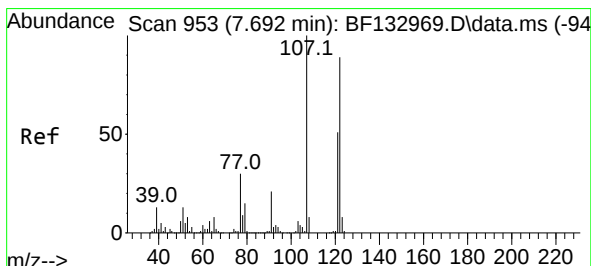
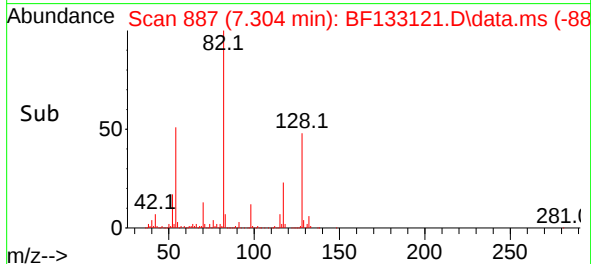
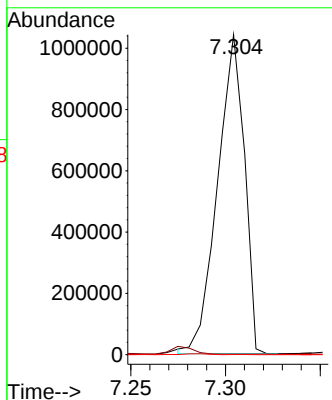
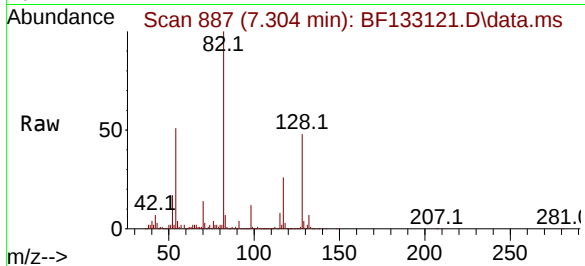




#25
Isophorone
Concen: 45.431 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

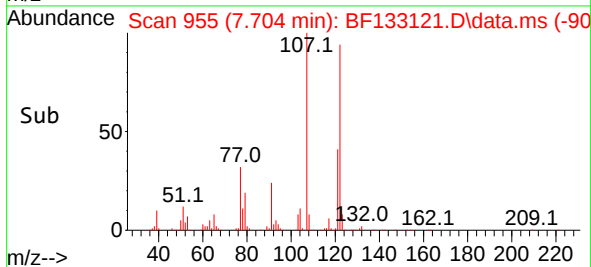
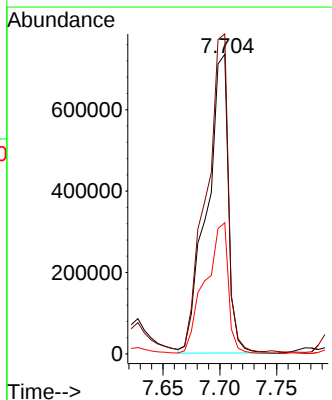
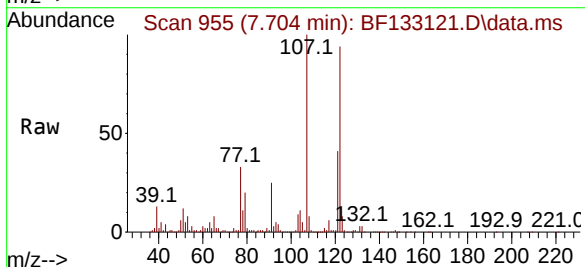
Instrument :
BNA_F
ClientSampleId :
MW-6

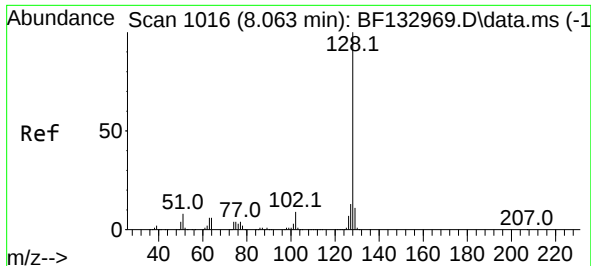
Tgt Ion: 82 Resp: 1023155
Ion Ratio Lower Upper
82 100
95 0.2 5.4 8.0#
138 0.0 16.0 24.0#



#27
2,4-Dimethylphenol
Concen: 97.238 ng
RT: 7.704 min Scan# 955
Delta R.T. 0.018 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Tgt Ion:122 Resp: 966643
Ion Ratio Lower Upper
122 100
107 106.8 89.7 134.5
121 43.8 46.0 69.0#

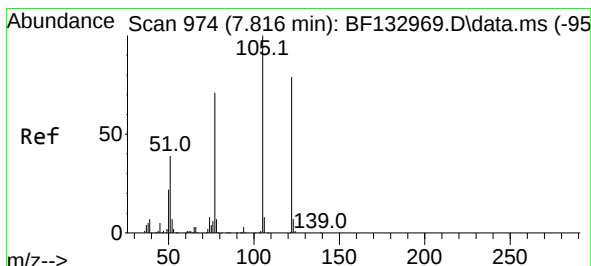
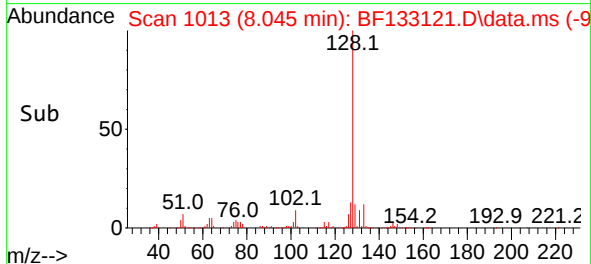
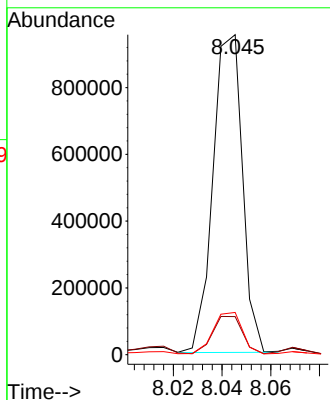
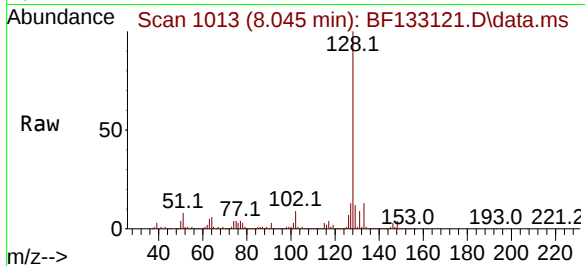




#31
Naphthalene
Concen: 25.057 ng
RT: 8.045 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

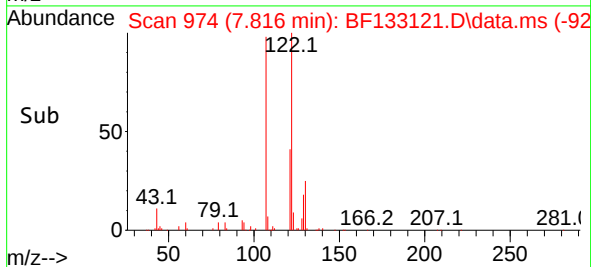
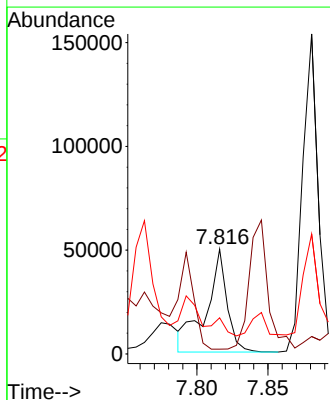
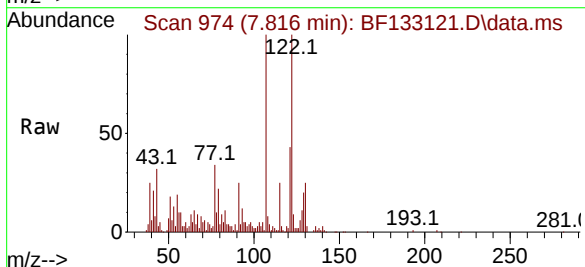
Instrument :
BNA_F
ClientSampleId :
MW-6

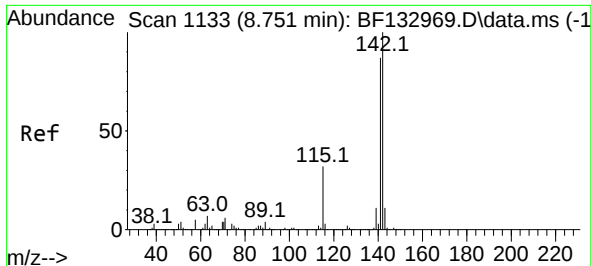
Tgt Ion:128 Resp: 802083
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 8.321 ng
RT: 7.816 min Scan# 974
Delta R.T. 0.012 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Tgt Ion:122 Resp: 51098
Ion Ratio Lower Upper
122 100
105 4.6 104.2 144.2#
77 34.5 69.7 109.7#





#37

2-Methylnaphthalene

Concen: 8.106 ng

RT: 8.734 min Scan# 1133

Delta R.T. 0.000 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

Instrument :

BNA_F

ClientSampleId :

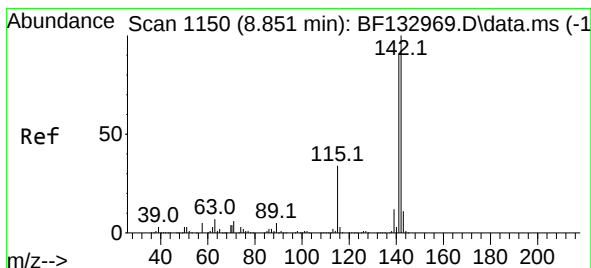
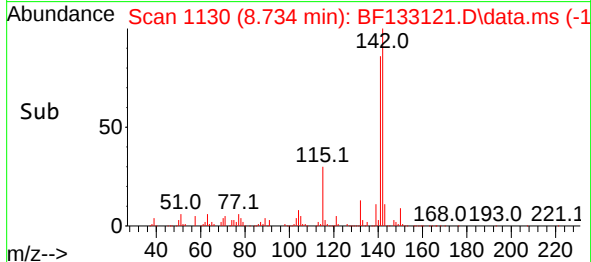
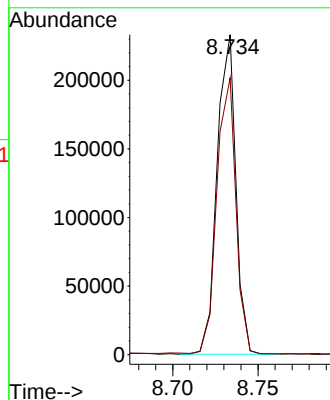
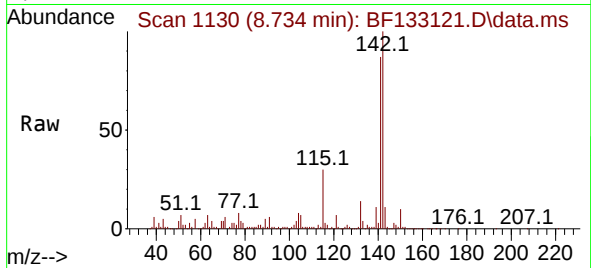
MW-6

Tgt Ion:142 Resp: 177406

Ion Ratio Lower Upper

142 100

141 86.5 69.4 104.0



#38

1-Methylnaphthalene

Concen: 8.915 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF133121.D

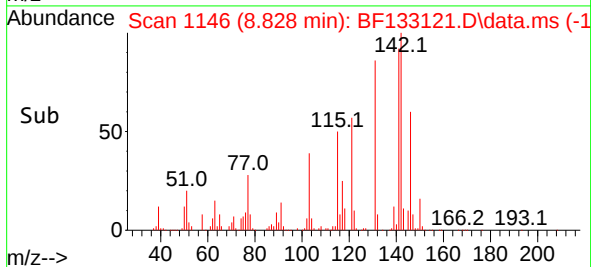
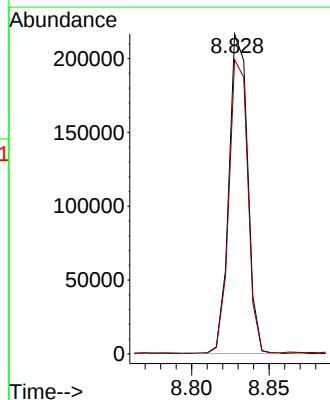
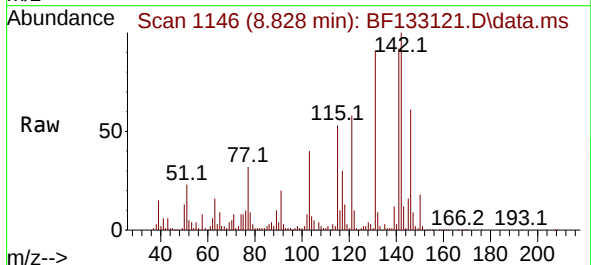
Acq: 28 Apr 2023 13:55

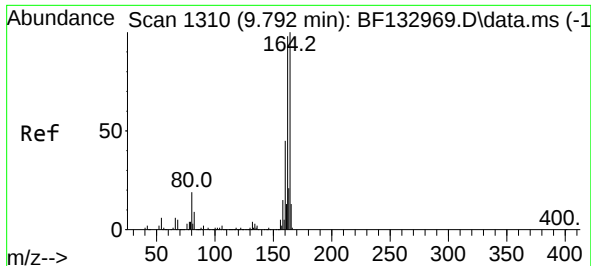
Tgt Ion:142 Resp: 182522

Ion Ratio Lower Upper

142 100

141 91.9 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

Instrument :

BNA_F

ClientSampleId :

MW-6

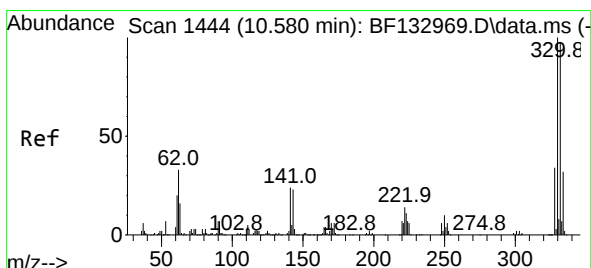
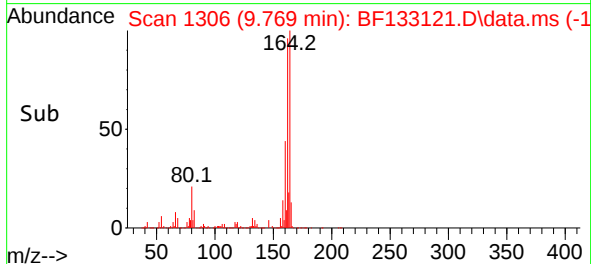
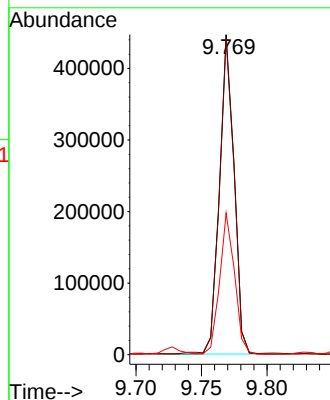
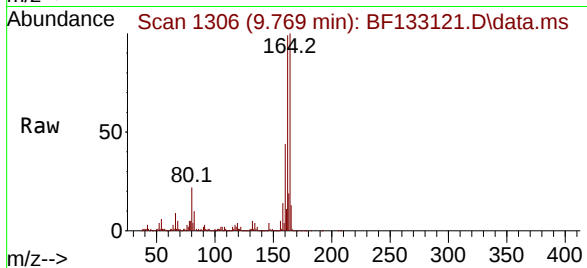
Tgt Ion:164 Resp: 344025

Ion Ratio Lower Upper

164 100

162 98.7 78.7 118.1

160 44.2 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 136.854 ng

RT: 10.563 min Scan# 1441

Delta R.T. 0.000 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

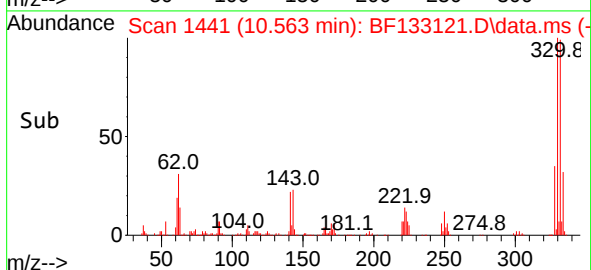
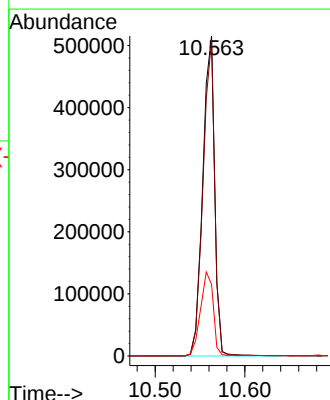
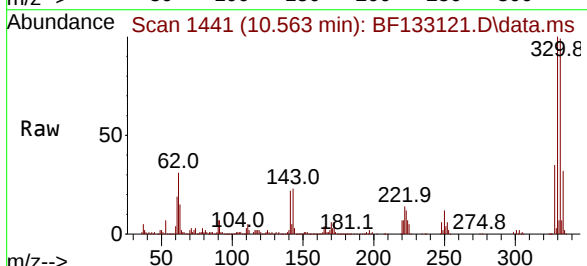
Tgt Ion:330 Resp: 473491

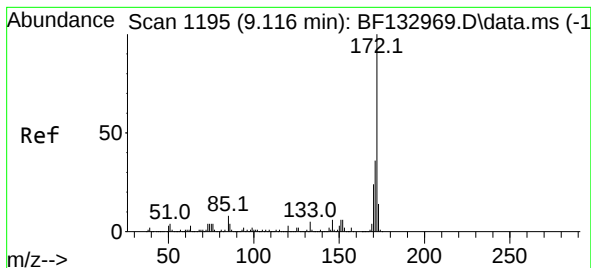
Ion Ratio Lower Upper

330 100

332 97.0 77.1 115.7

141 28.0 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 89.470 ng

RT: 9.098 min Scan# 1195

Delta R.T. 0.000 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

Instrument :

BNA_F

ClientSampleId :

MW-6

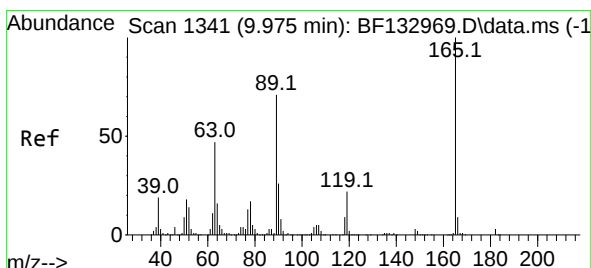
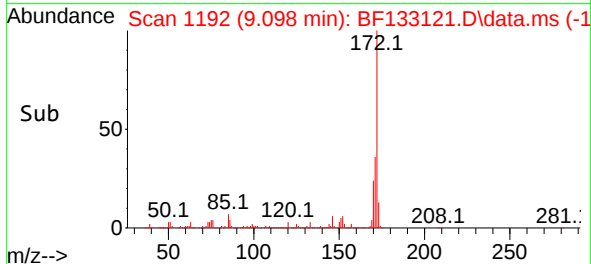
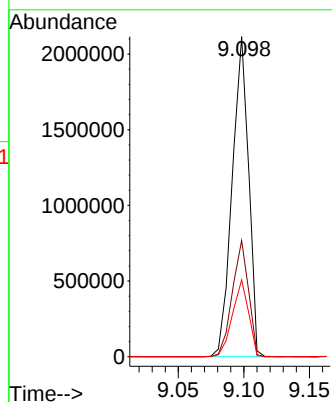
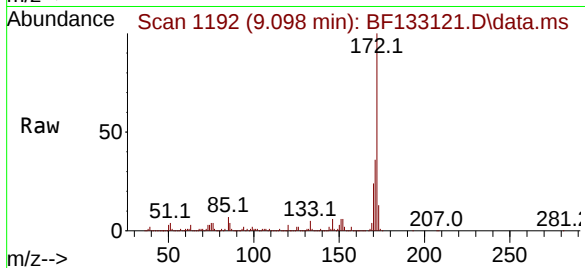
Tgt Ion:172 Resp: 1839814

Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.0 19.4 29.2



#57

2,4-Dinitrotoluene

Concen: 6.617 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.194 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

Tgt Ion:165 Resp: 45562

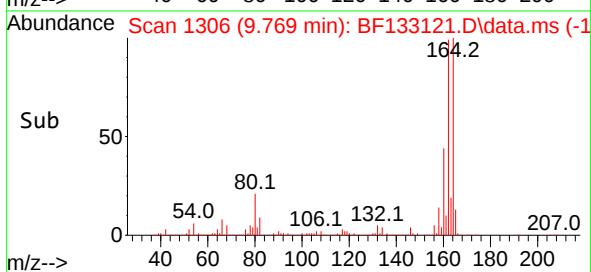
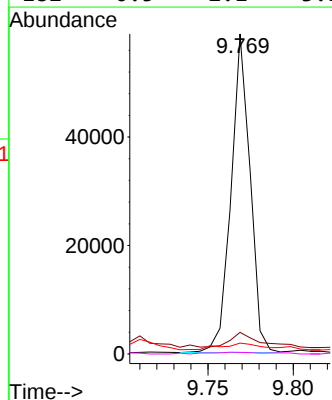
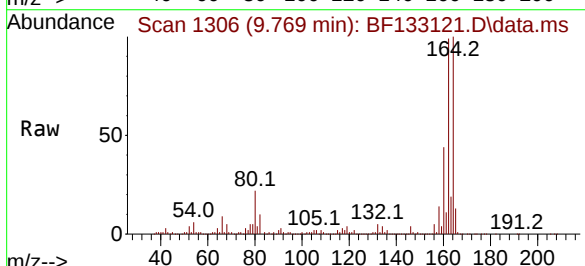
Ion Ratio Lower Upper

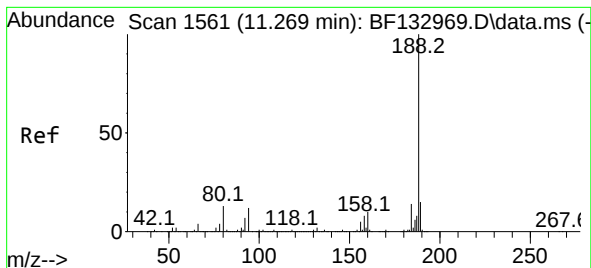
165 100

63 6.8 37.7 56.5#

89 3.4 57.0 85.4#

182 0.5 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

Instrument :

BNA_F

ClientSampleId :

MW-6

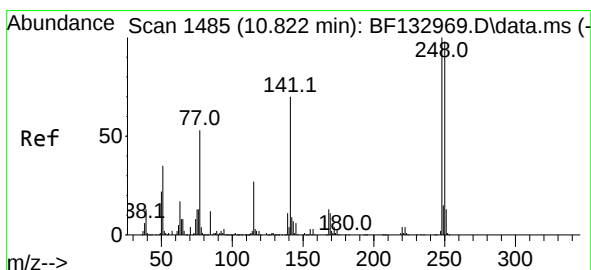
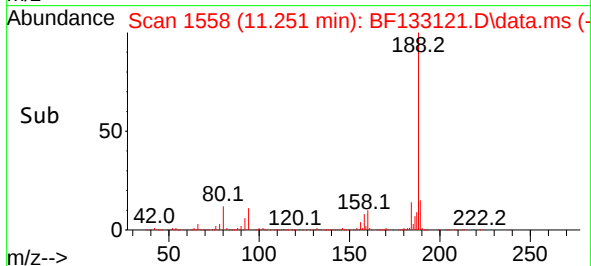
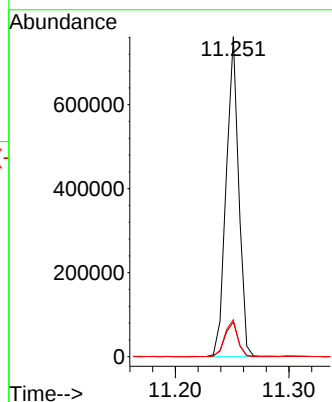
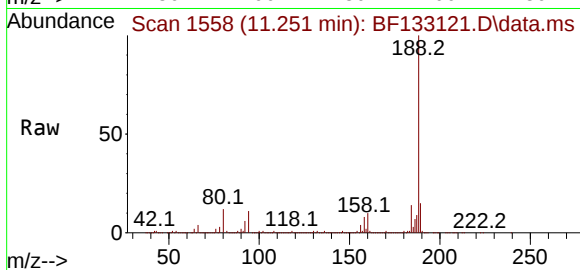
Tgt Ion:188 Resp: 586135

Ion Ratio Lower Upper

188 100

94 10.9 9.7 14.5

80 11.6 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 4.664 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.241 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

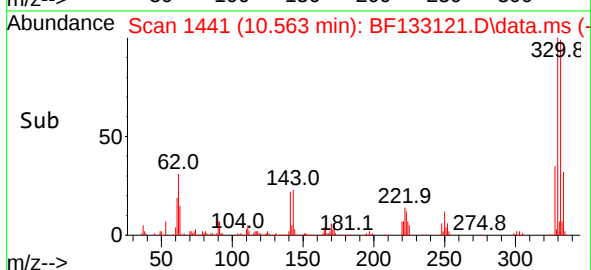
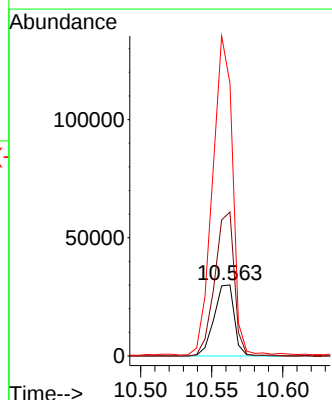
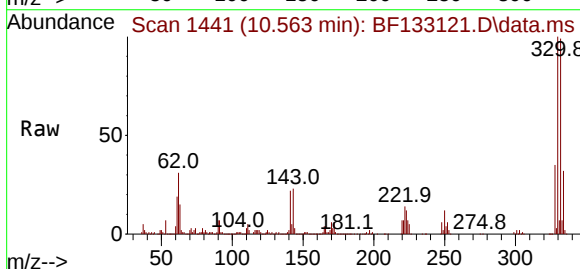
Tgt Ion:248 Resp: 29652

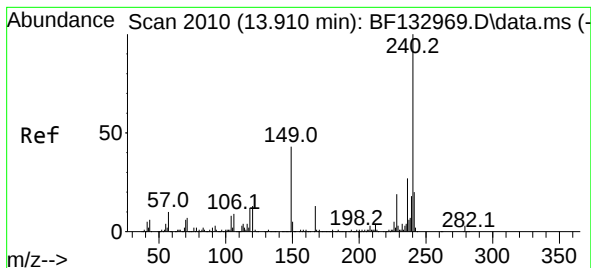
Ion Ratio Lower Upper

248 100

250 202.6 78.7 118.1#

141 383.4 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

Instrument :

BNA_F

ClientSampleId :

MW-6

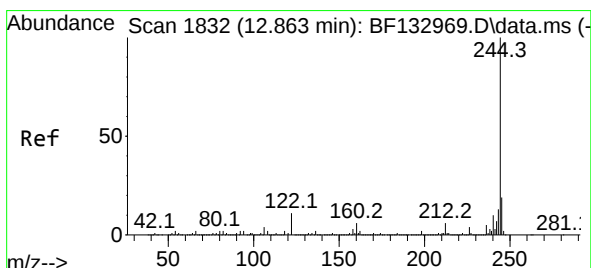
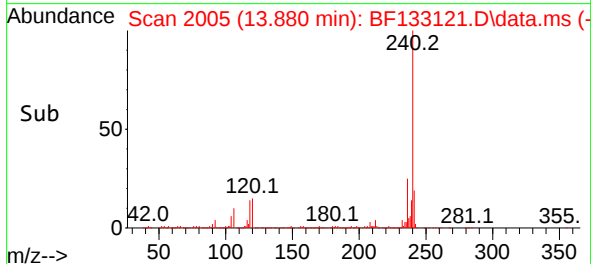
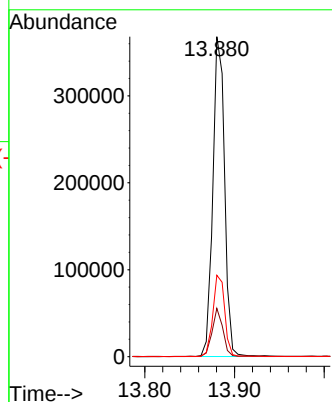
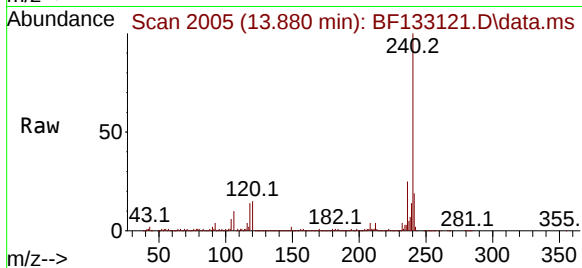
Tgt Ion:240 Resp: 334570

Ion Ratio Lower Upper

240 100

120 15.1 10.5 15.7

236 25.5 21.5 32.3



#79

Terphenyl-d14

Concen: 103.427 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF133121.D

Acq: 28 Apr 2023 13:55

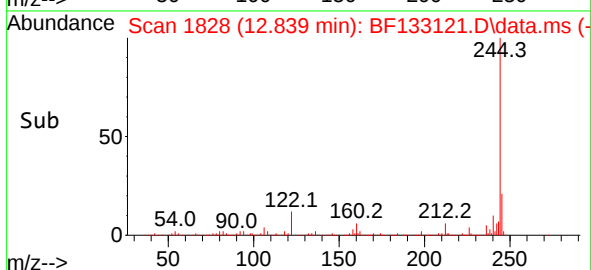
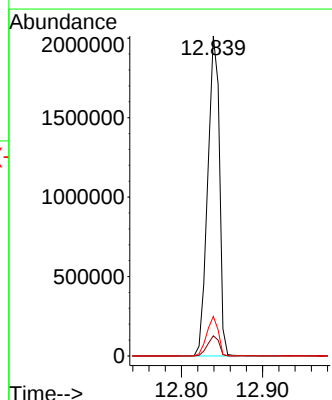
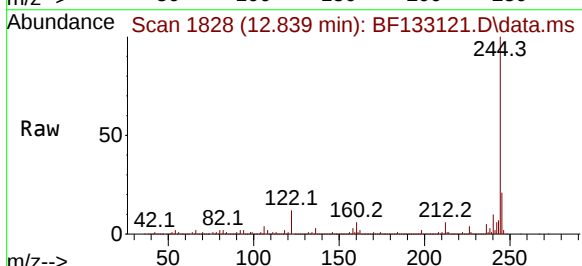
Tgt Ion:244 Resp: 2006383

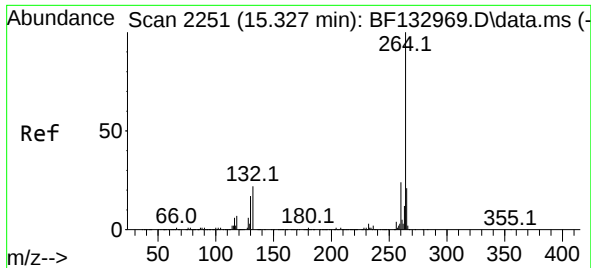
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

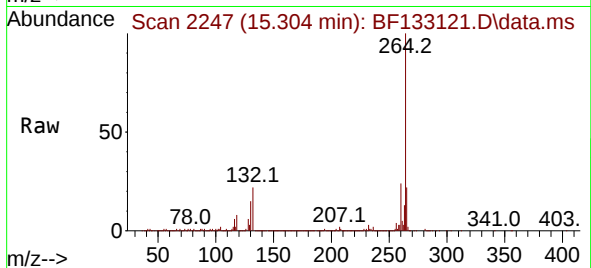
122 12.3 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133121.D
Acq: 28 Apr 2023 13:55

Instrument :
BNA_F
ClientSampleId :
MW-6



Tgt Ion:264 Resp: 347579

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.0	25.4

