

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090122\
 Data File : BF130098.D
 Acq On : 02 Sep 2022 02:10
 Operator : CG\JU
 Sample : N4464-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Sep 02 04:09:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 18:15:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

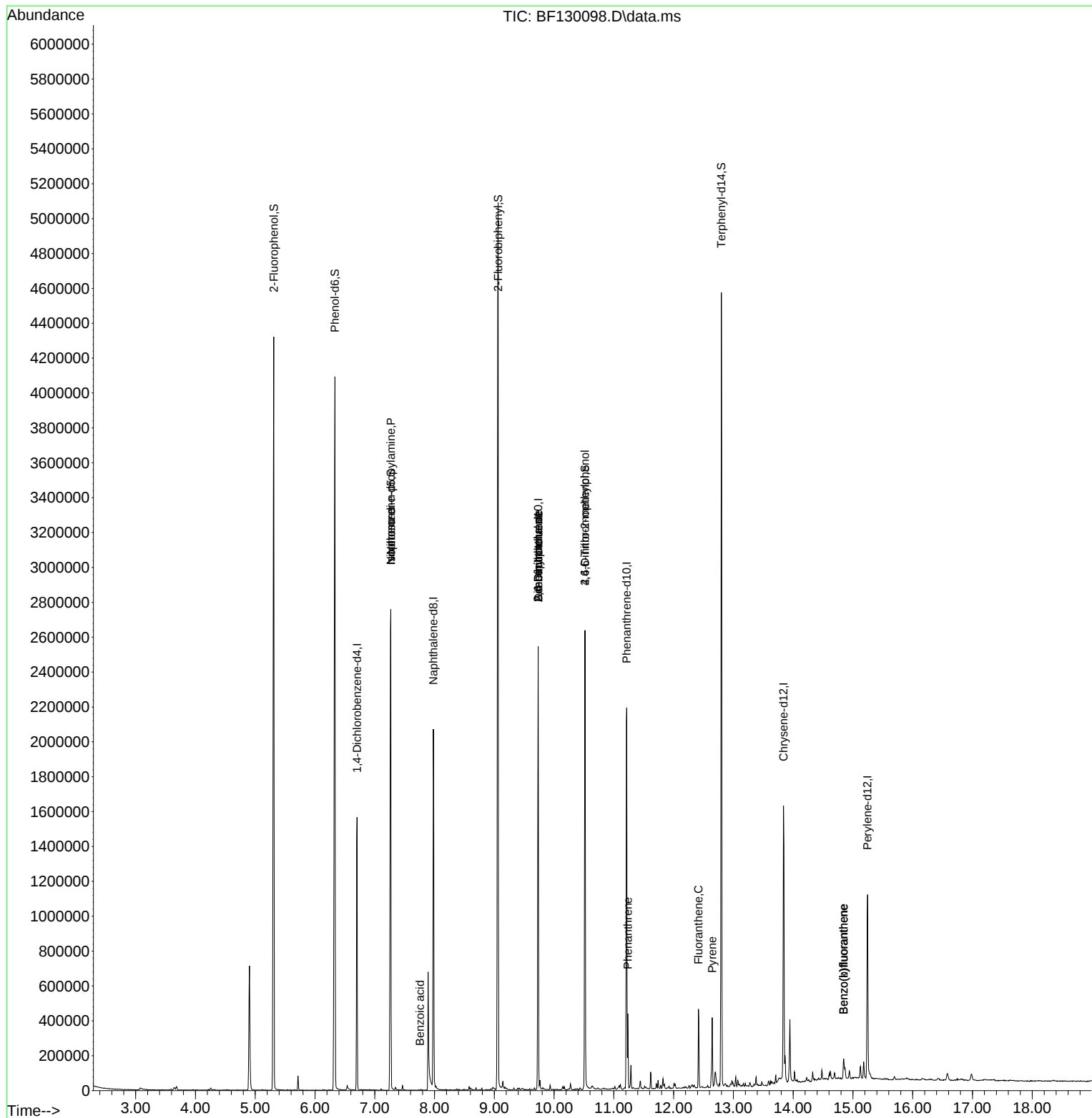
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.704	152	241464	20.000	ng	0.00
21) Naphthalene-d8	7.981	136	961599	20.000	ng	#-0.01
39) Acenaphthene-d10	9.733	164	502109	20.000	ng	-0.01
64) Phenanthrene-d10	11.216	188	809003	20.000	ng	0.00
76) Chrysene-d12	13.839	240	488068	20.000	ng	#-0.02
86) Perylene-d12	15.245	264	425356	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	1359671	95.594	ng	0.00
7) Phenol-d6	6.334	99	1716201	96.783	ng	-0.01
23) Nitrobenzene-d5	7.269	82	1006622	67.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.516	330	279755	61.208	ng	-0.02
45) 2-Fluorobiphenyl	9.063	172	1762338	58.192	ng	0.00
79) Terphenyl-d14	12.798	244	1556538	55.304	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.269	70	129067	12.082	ng	# 73
25) Isophorone	7.269	82	1003247	33.127	ng	# 65
32) Benzoic acid	7.757	122	95	6.580	ng	# 30
50) Dimethylphthalate	9.733	163	93558	2.736	ng	# 1
51) 2,6-Dinitrotoluene	9.733	165	64228	9.632	ng	# 23
57) 2,4-Dinitrotoluene	9.733	165	64228	8.366	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.516	198	689	6.238	ng	# 1
71) Phenanthrene	11.233	178	136230	3.105	ng	98
75) Fluoranthene	12.416	202	172937	3.975	ng	96
78) Pyrene	12.645	202	142643	3.258	ng	99
88) Benzo(b)fluoranthene	14.845	252	79374	2.798	ng	# 97
89) Benzo(k)fluoranthene	14.845	252	79374	2.893	ng	# 97

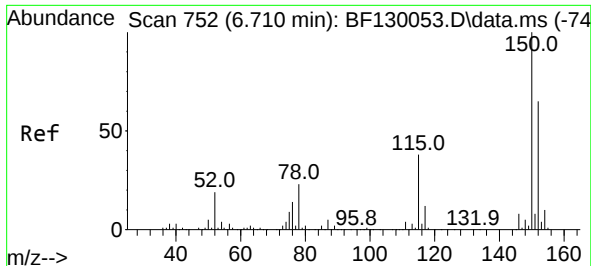
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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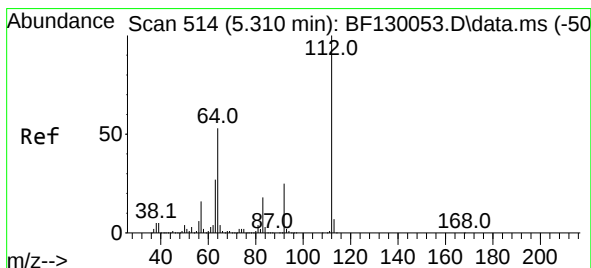
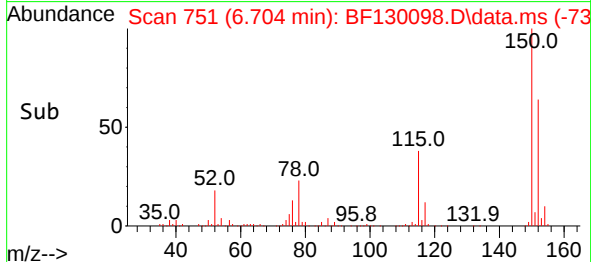
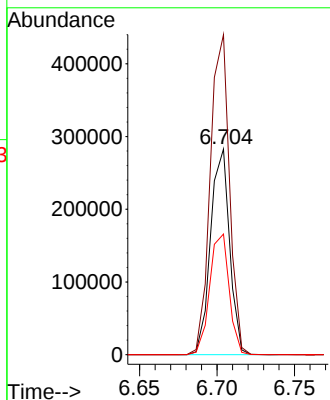
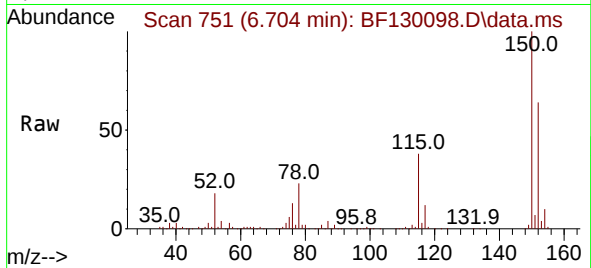




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.704 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

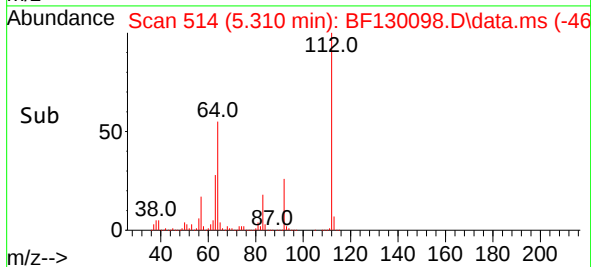
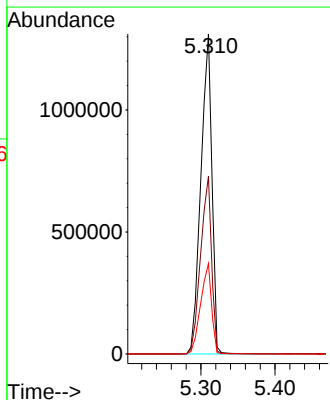
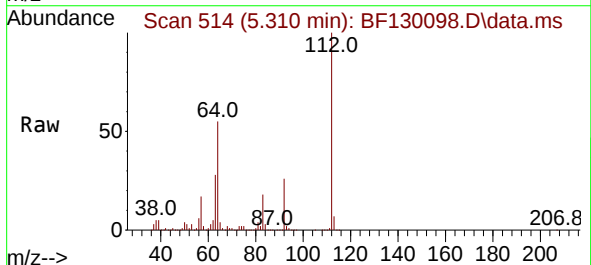
Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:152 Resp: 241464
Ion Ratio Lower Upper
152 100
150 155.6 126.9 190.3
115 58.7 53.4 80.0



#5
2-Fluorophenol
Concen: 95.594 ng
RT: 5.310 min Scan# 514
Delta R.T. -0.000 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

Tgt Ion:112 Resp: 1359671
Ion Ratio Lower Upper
112 100
64 55.5 47.6 71.4
63 28.3 24.6 37.0

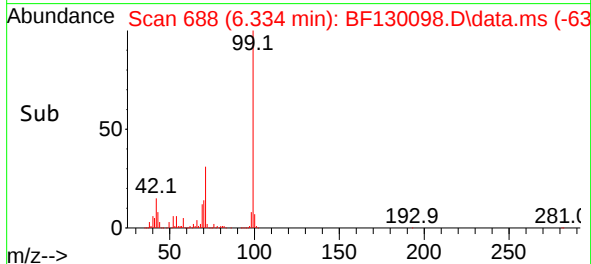
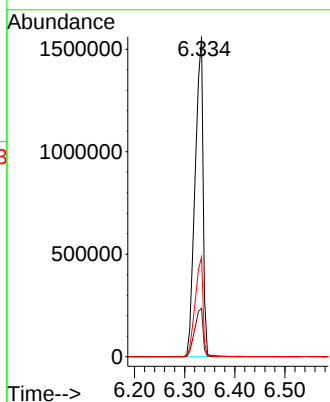
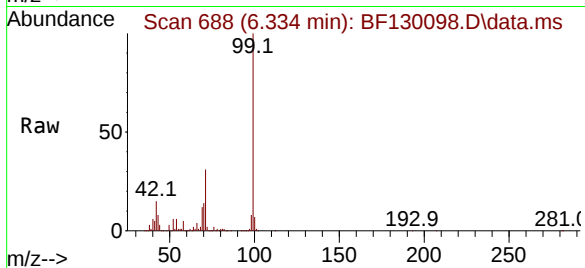




#7
Phenol-d6
Concen: 96.783 ng
RT: 6.334 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

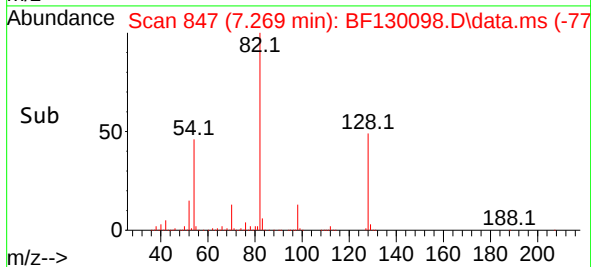
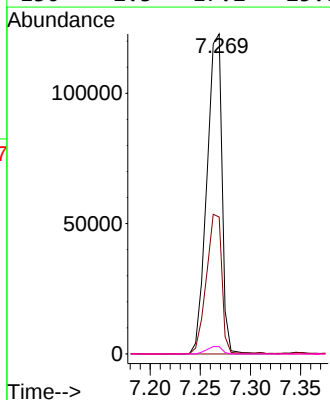
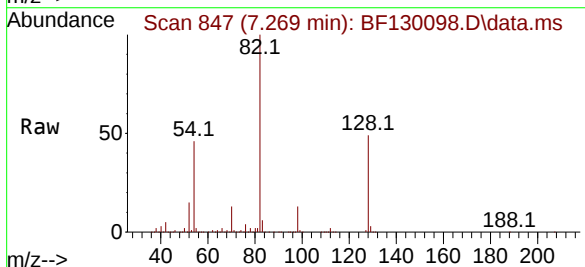
Instrument :
BNA_F
ClientSampleId :
WC-2

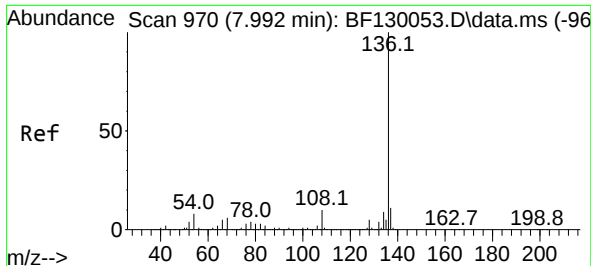
Tgt Ion: 99 Resp: 1716201
Ion Ratio Lower Upper
99 100
42 15.1 15.0 22.4
71 31.1 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.082 ng
RT: 7.269 min Scan# 847
Delta R.T. 0.129 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

Tgt Ion: 70 Resp: 129067
Ion Ratio Lower Upper
70 100
42 42.8 47.6 71.4#
101 0.0 8.1 12.1#
130 2.3 17.2 25.8#

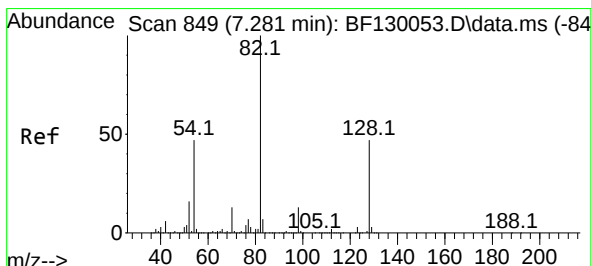
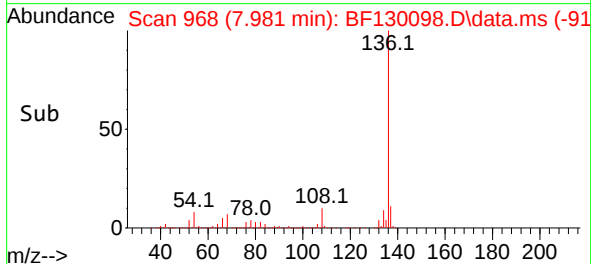
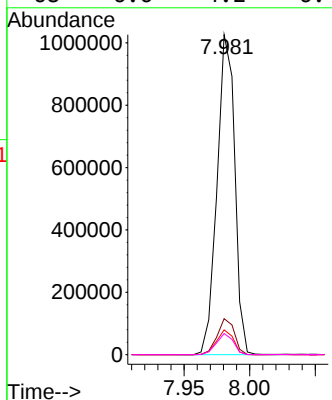
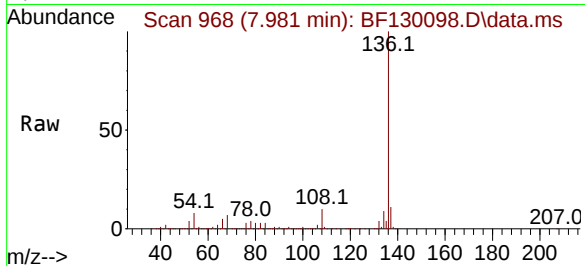




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.981 min Scan# 91
Delta R.T. -0.011 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

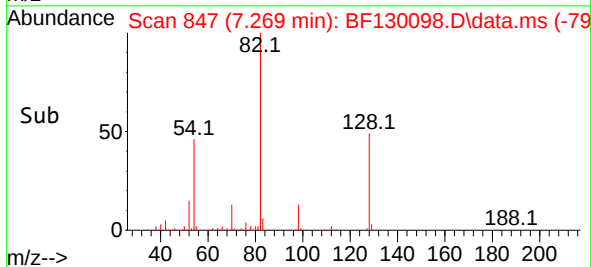
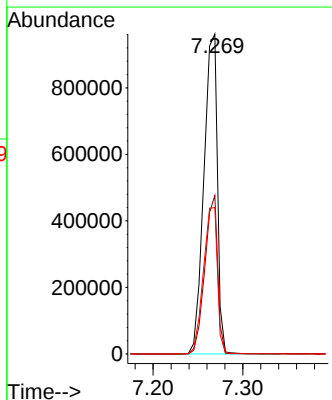
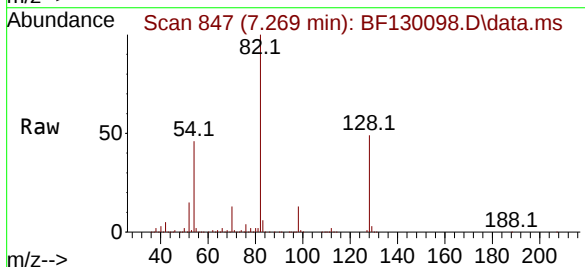
Instrument :
BNA_F
ClientSampleId :
WC-2

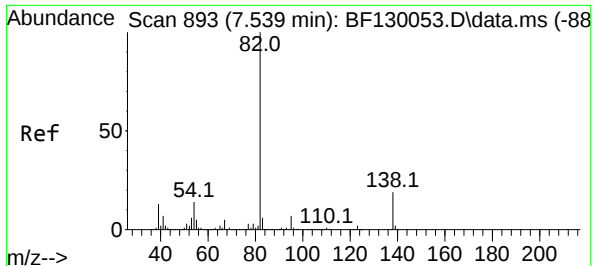
Tgt Ion:136 Resp: 961599
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 7.8 6.2 9.2
68 6.6 4.2 6.4#



#23
Nitrobenzene-d5
Concen: 67.275 ng
RT: 7.269 min Scan# 847
Delta R.T. -0.012 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

Tgt Ion: 82 Resp: 1006622
Ion Ratio Lower Upper
82 100
128 49.5 36.1 54.1
54 45.8 40.0 60.0

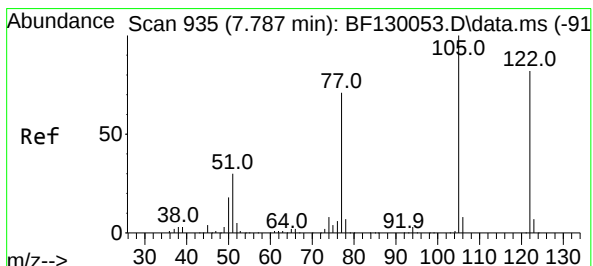
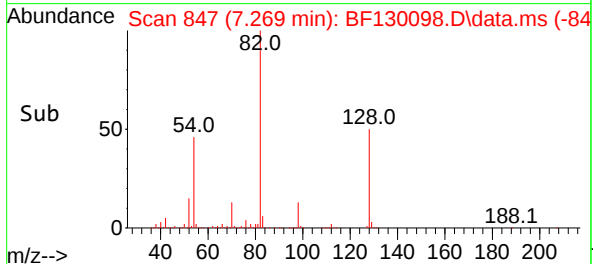
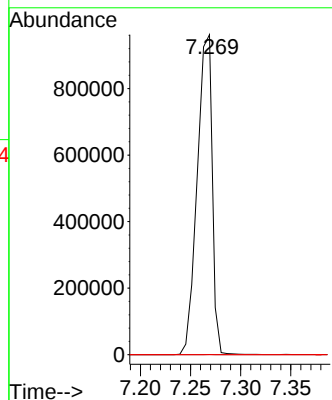
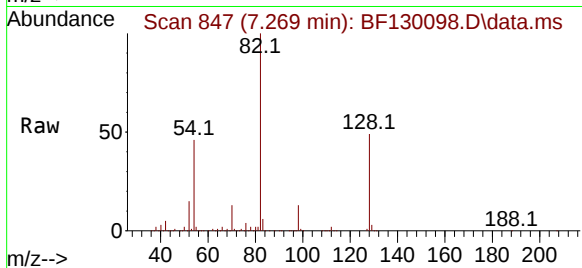




#25
Isophorone
Concen: 33.127 ng
RT: 7.269 min Scan# 84
Delta R.T. -0.271 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

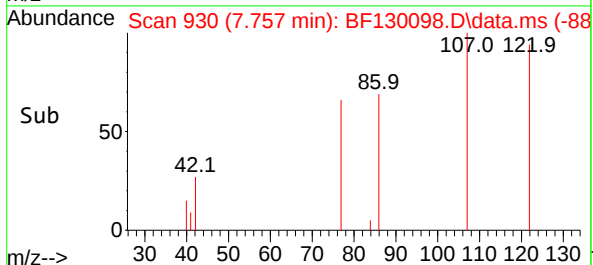
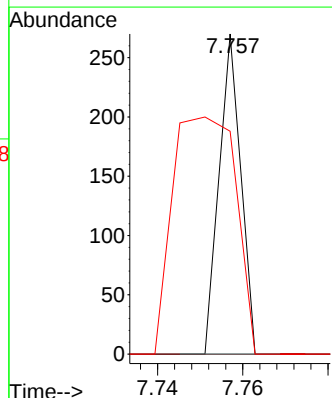
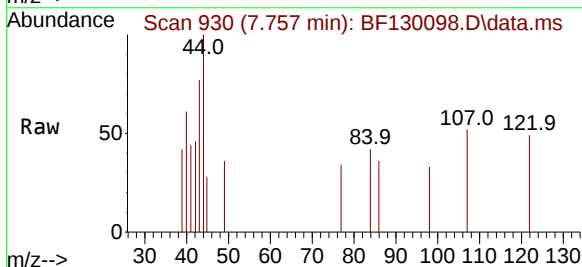
Instrument :
BNA_F
ClientSampleId :
WC-2

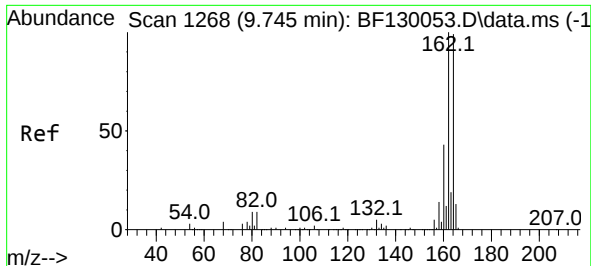
Tgt Ion: 82 Resp: 1003247
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 6.580 ng
RT: 7.757 min Scan# 930
Delta R.T. -0.030 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

Tgt Ion: 122 Resp: 95
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 69.6 65.9 105.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.733 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

WC-2

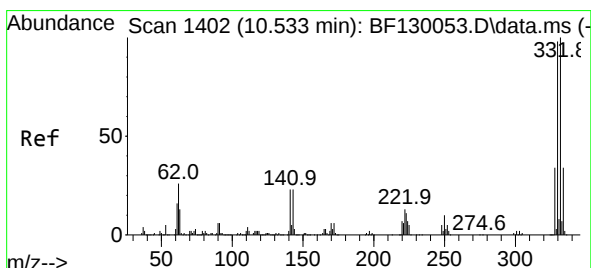
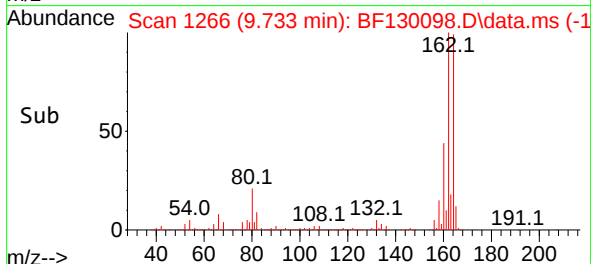
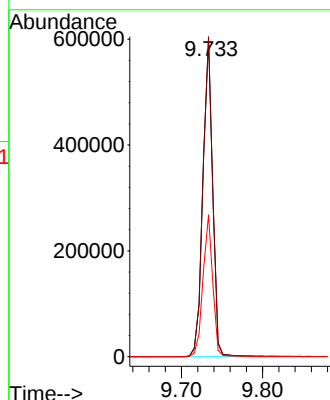
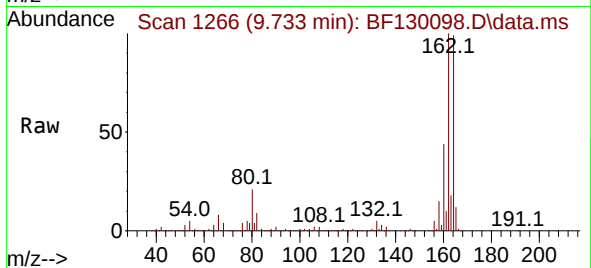
Tgt Ion:164 Resp: 502109

Ion Ratio Lower Upper

164 100

162 100.9 82.0 123.0

160 44.7 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 61.208 ng

RT: 10.516 min Scan# 1399

Delta R.T. -0.018 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

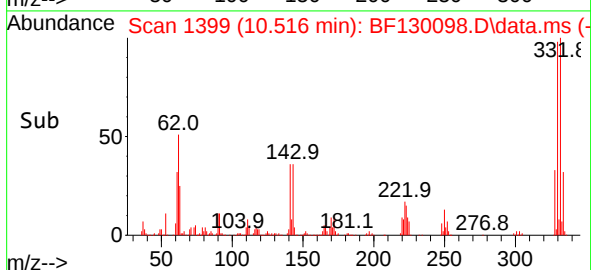
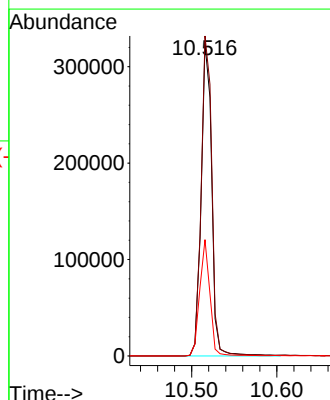
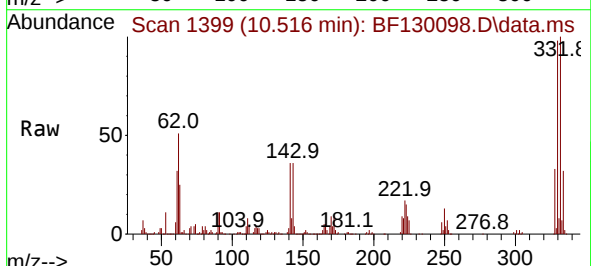
Tgt Ion:330 Resp: 279755

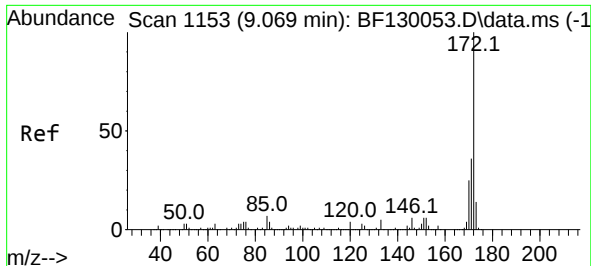
Ion Ratio Lower Upper

330 100

332 103.6 82.6 124.0

141 36.0 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 58.192 ng

RT: 9.063 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

WC-2

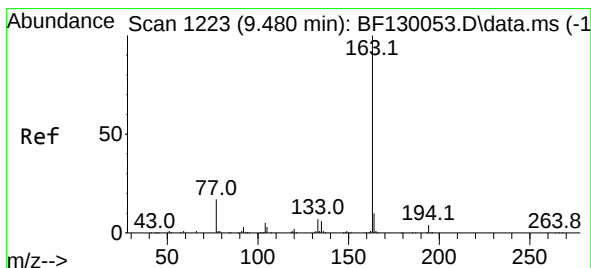
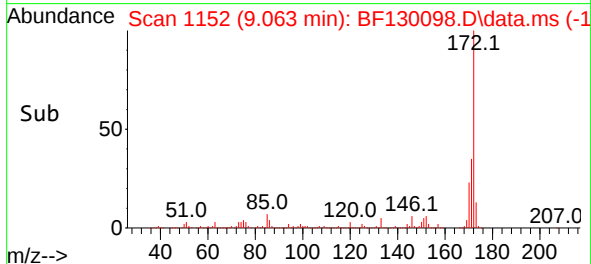
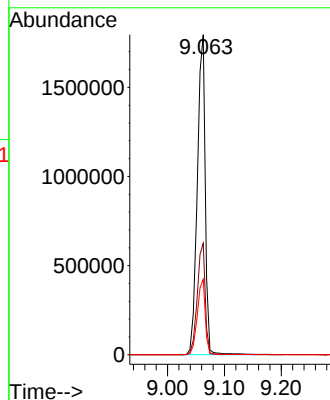
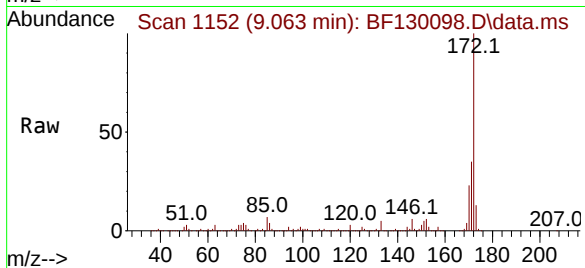
Tgt Ion:172 Resp: 1762338

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.5 19.1 28.7



#50

Dimethylphthalate

Concen: 2.736 ng

RT: 9.733 min Scan# 1266

Delta R.T. 0.253 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

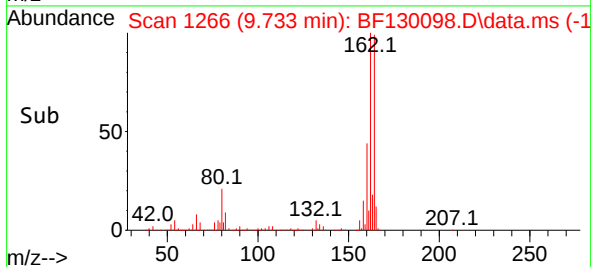
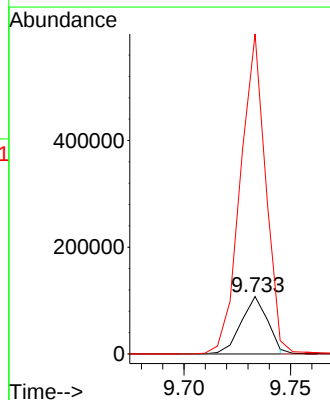
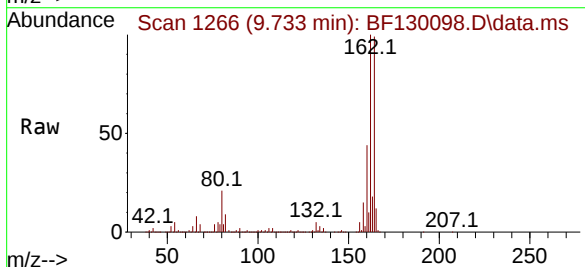
Tgt Ion:163 Resp: 93558

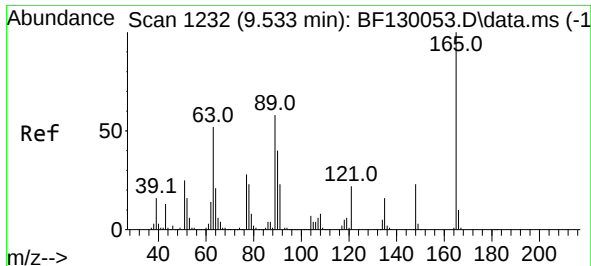
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 556.2 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 9.632 ng

RT: 9.733 min Scan# 1266

Delta R.T. 0.200 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

WC-2

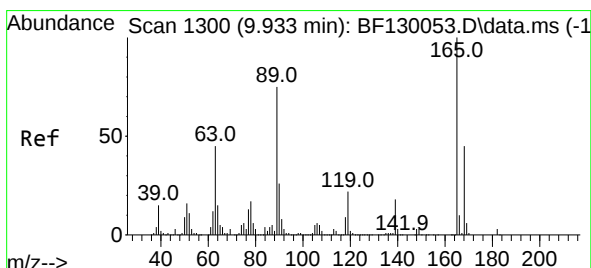
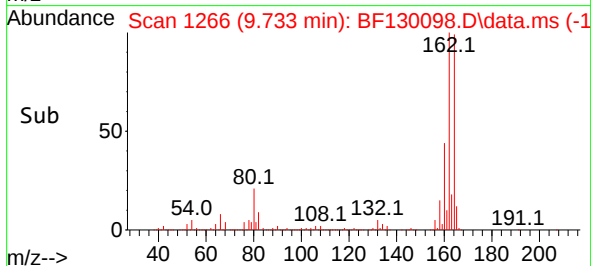
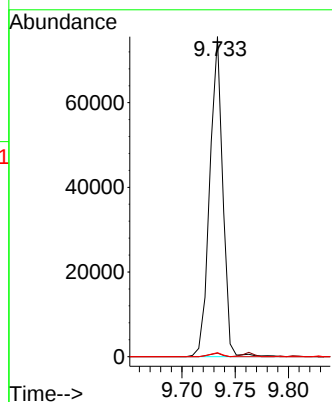
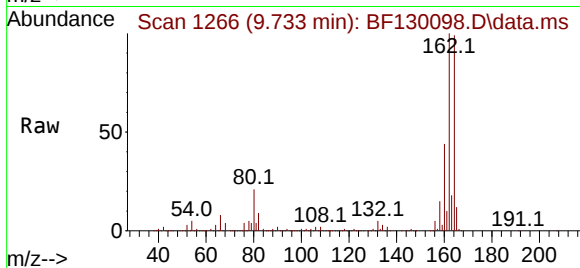
Tgt Ion:165 Resp: 64228

Ion Ratio Lower Upper

165 100

63 1.1 47.8 71.8#

89 1.3 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 8.366 ng

RT: 9.733 min Scan# 1266

Delta R.T. -0.200 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

Tgt Ion:165 Resp: 64228

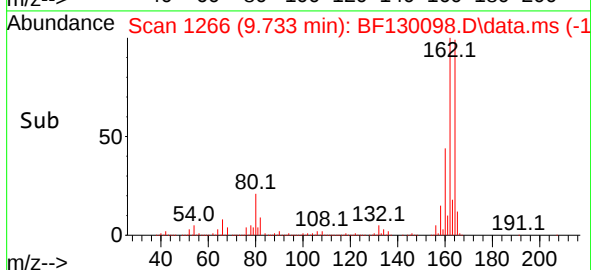
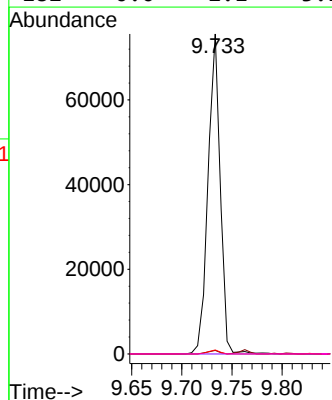
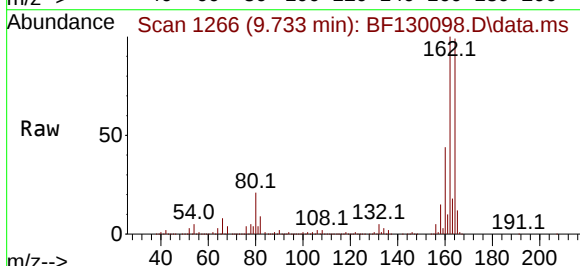
Ion Ratio Lower Upper

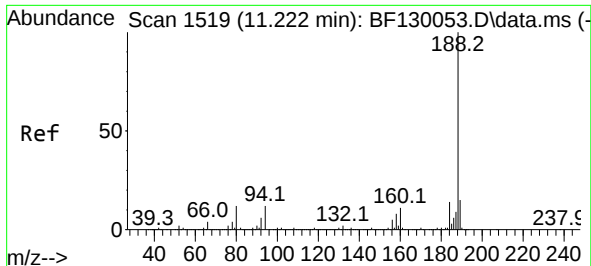
165 100

63 1.1 48.4 72.6#

89 1.3 62.3 93.5#

182 0.0 2.1 3.1#

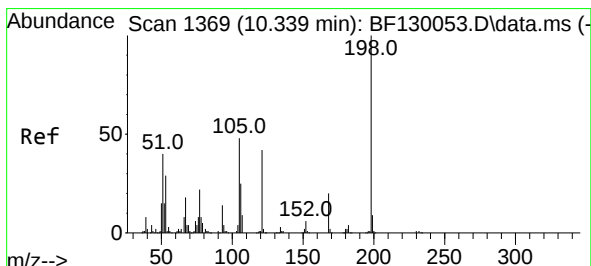
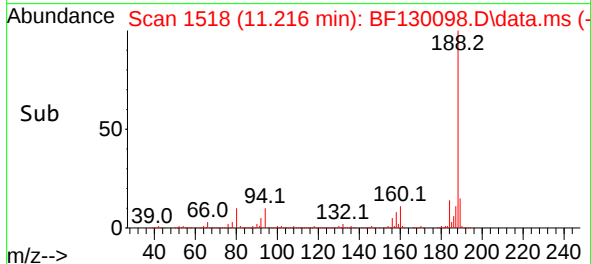
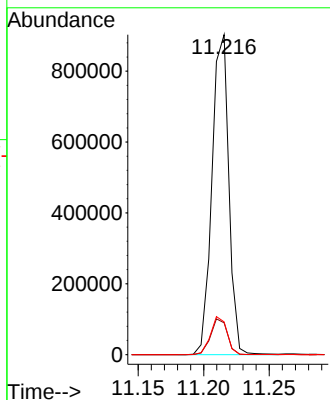
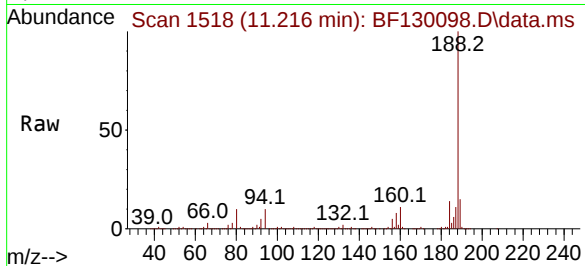




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.216 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

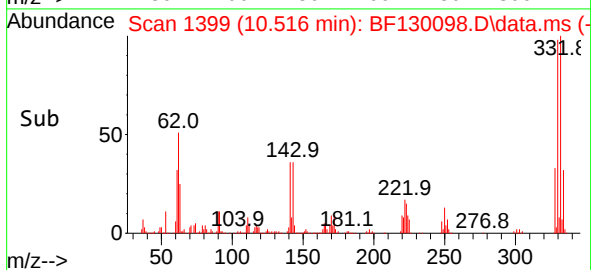
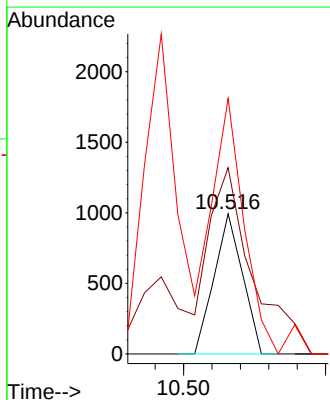
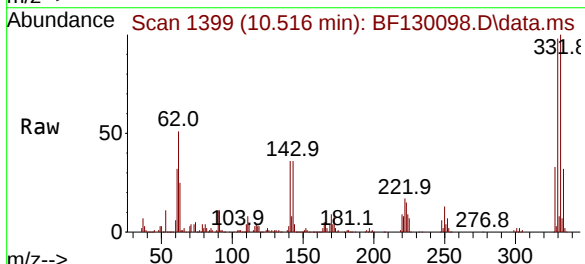
Instrument :
BNA_F
ClientSampleId :
WC-2

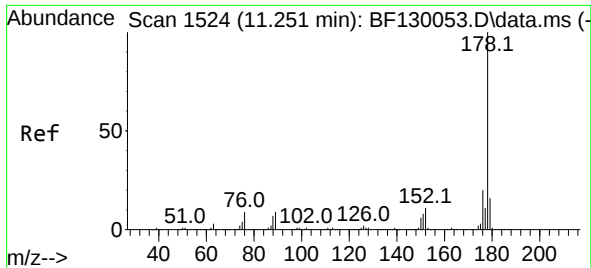
Tgt Ion:188 Resp: 809003
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.2 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 6.238 ng
RT: 10.516 min Scan# 1399
Delta R.T. 0.177 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

Tgt Ion:198 Resp: 689
Ion Ratio Lower Upper
198 100
51 132.8 29.4 69.4#
105 182.3 29.2 69.2#

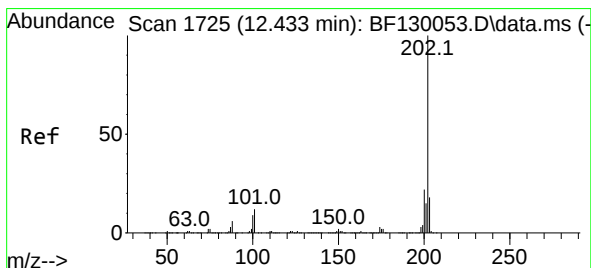
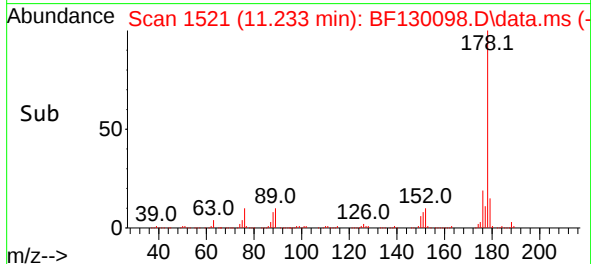
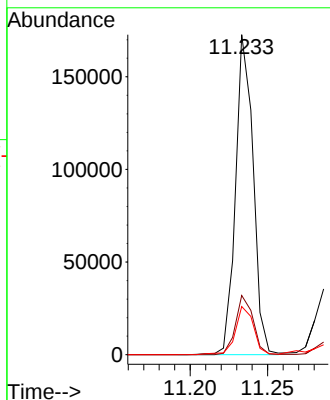
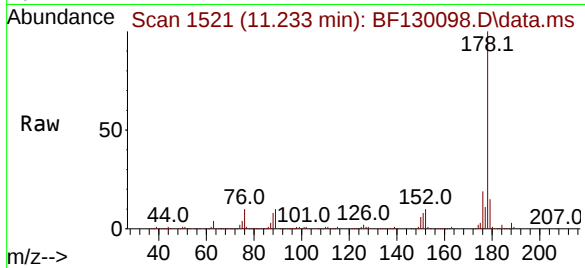




#71
Phenanthrene
Concen: 3.105 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

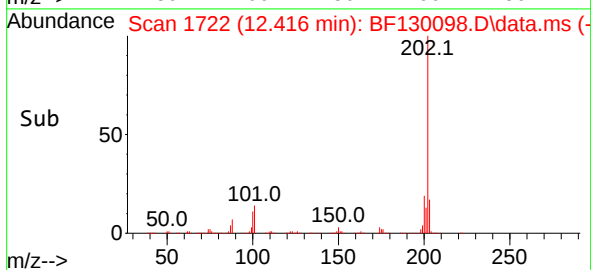
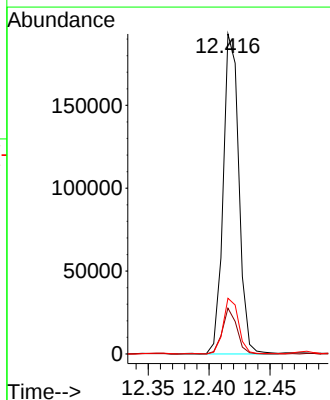
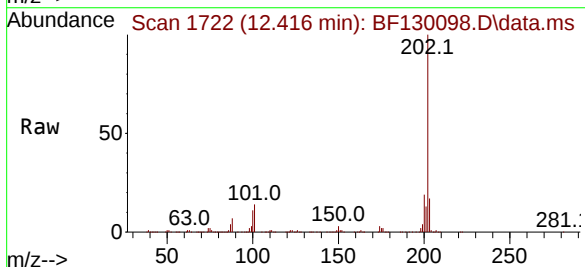
Instrument :
BNA_F
ClientSampleId :
WC-2

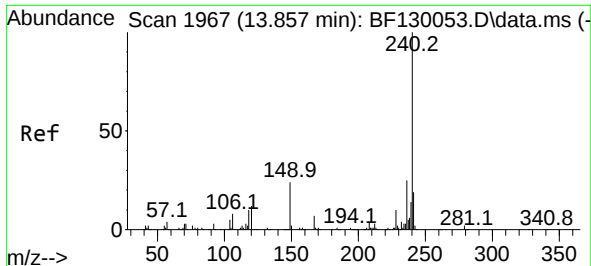
Tgt Ion:178 Resp: 136230
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.0 12.5 18.7



#75
Fluoranthene
Concen: 3.975 ng
RT: 12.416 min Scan# 1722
Delta R.T. -0.018 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

Tgt Ion:202 Resp: 172937
Ion Ratio Lower Upper
202 100
101 14.3 0.0 30.7
203 17.4 0.0 37.5

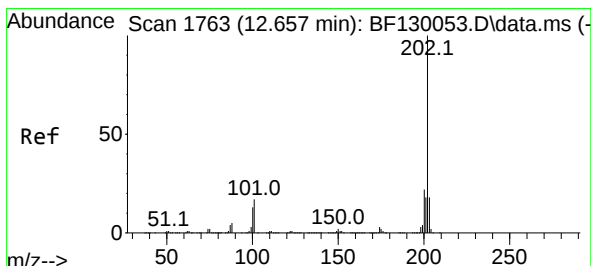
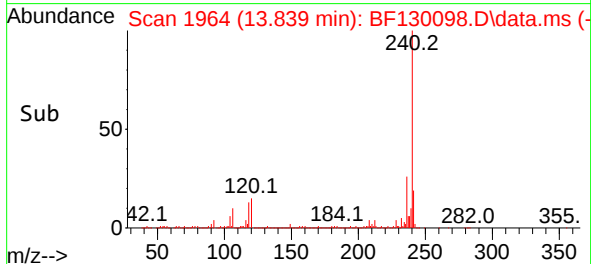
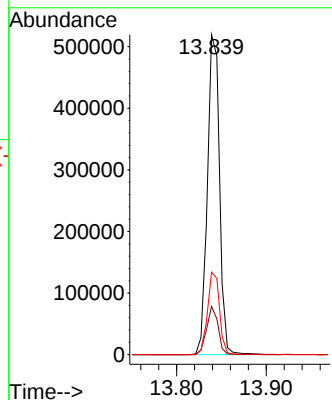
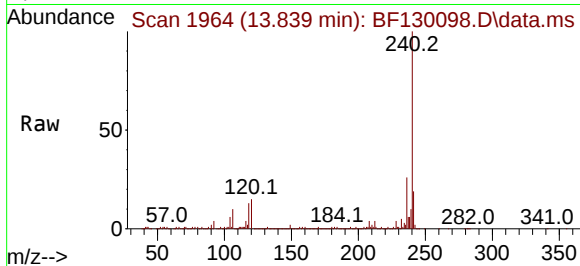




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.839 min Scan# 1964
Delta R.T. -0.018 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

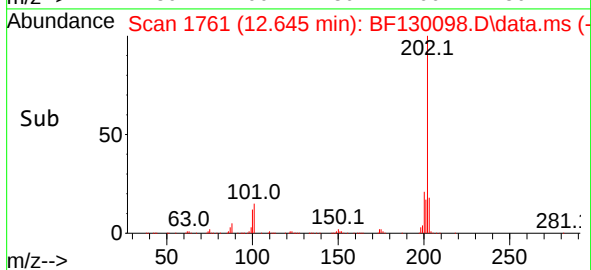
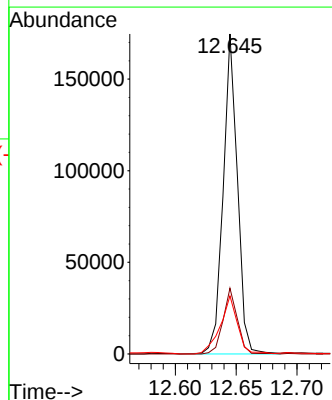
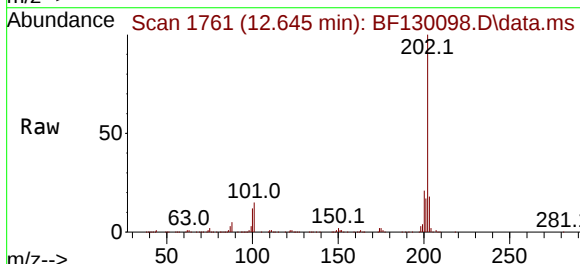
Instrument :
BNA_F
ClientSampleId :
WC-2

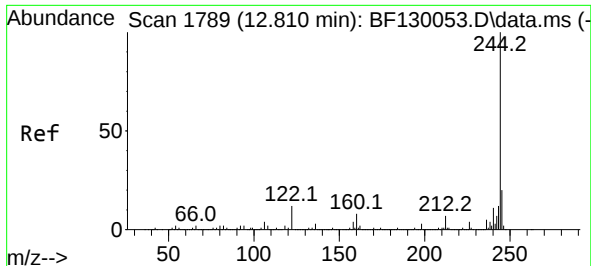
Tgt Ion:240 Resp: 488068
Ion Ratio Lower Upper
240 100
120 15.1 9.2 13.8#
236 25.7 20.7 31.1



#78
Pyrene
Concen: 3.258 ng
RT: 12.645 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF130098.D
Acq: 02 Sep 2022 02:10

Tgt Ion:202 Resp: 142643
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 18.2 14.1 21.1

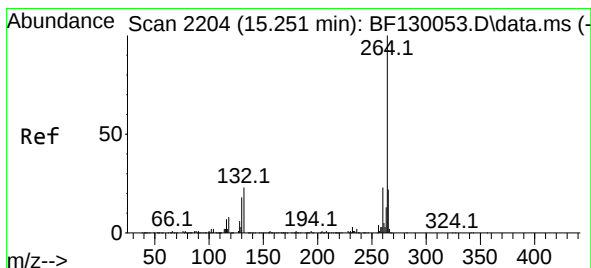
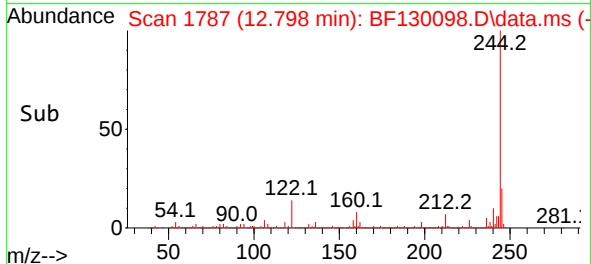
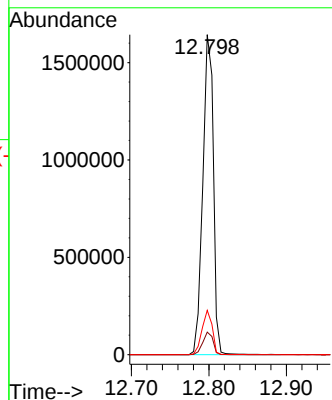
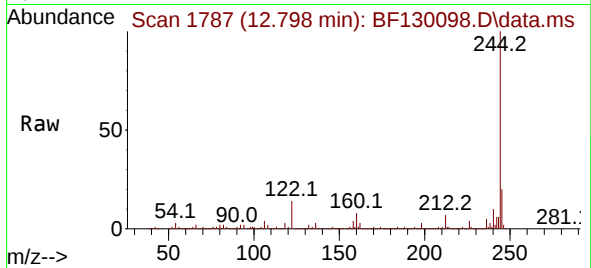




#79
 Terphenyl-d14
 Concen: 55.304 ng
 RT: 12.798 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130098.D
 Acq: 02 Sep 2022 02:10

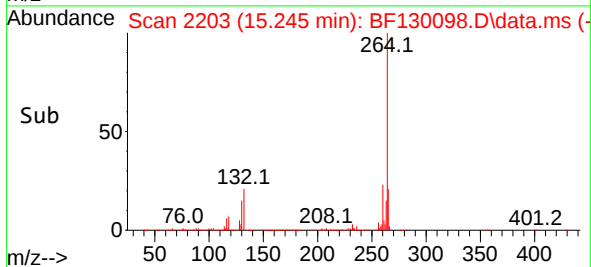
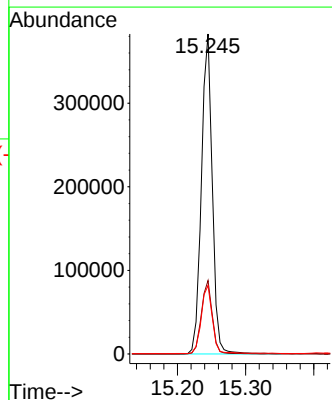
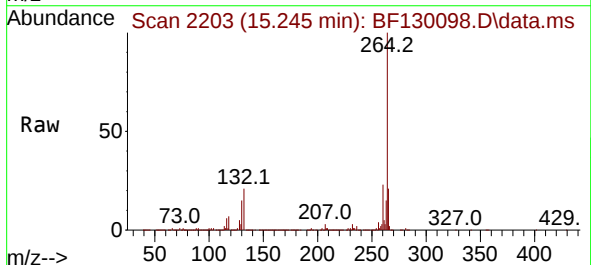
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

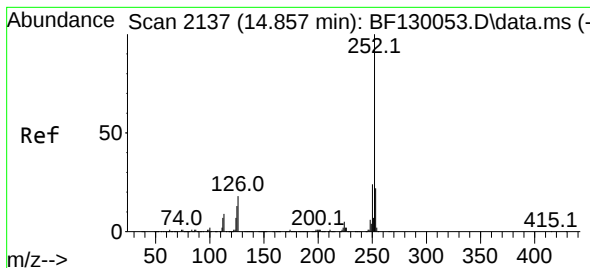
Tgt Ion:244 Resp: 1556538
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 13.9 9.9 14.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.245 min Scan# 2203
 Delta R.T. -0.006 min
 Lab File: BF130098.D
 Acq: 02 Sep 2022 02:10

Tgt Ion:264 Resp: 425356
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.1 28.7
 265 21.4 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 2.798 ng

RT: 14.845 min Scan# 2135

Delta R.T. -0.012 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

Instrument :

BNA_F

ClientSampleId :

WC-2

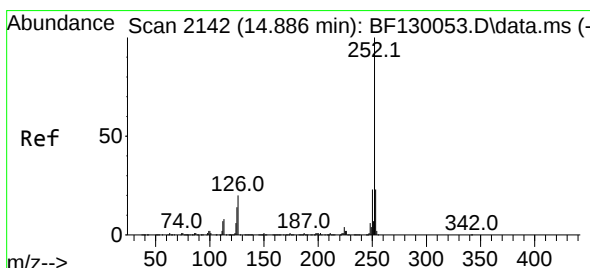
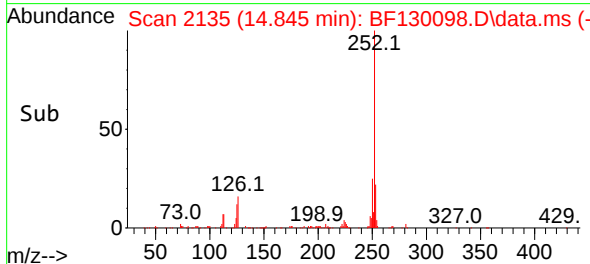
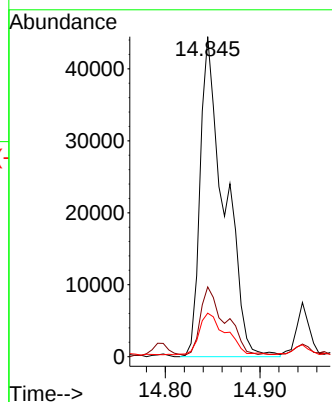
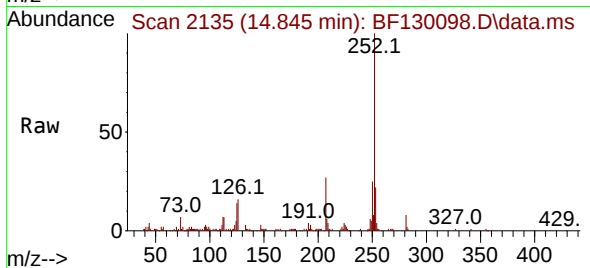
Tgt Ion:252 Resp: 79374

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 13.6 8.3 12.5#



#89

Benzo(k)fluoranthene

Concen: 2.893 ng

RT: 14.845 min Scan# 2135

Delta R.T. -0.041 min

Lab File: BF130098.D

Acq: 02 Sep 2022 02:10

Tgt Ion:252 Resp: 79374

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

125 13.6 8.3 12.5#

