

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130324.D
 Acq On : 19 Sep 2022 16:59
 Operator : CG\JU
 Sample : N4648-01DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

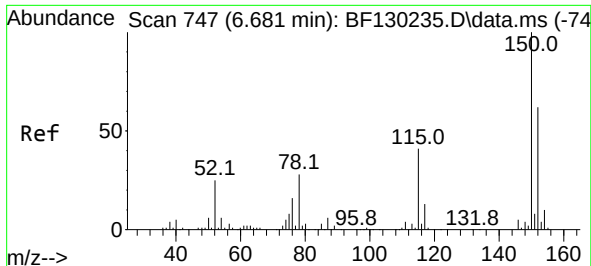
Instrument :
 BNA_F
 ClientSampleId :
 N48854-1040DL

Quant Time: Sep 20 02:25:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.663	152	96166	20.000	ng	0.00
21) Naphthalene-d8	7.963	136	306633	20.000	ng	0.02
39) Acenaphthene-d10	9.692	164	162692	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	228960	20.000	ng	0.00
76) Chrysene-d12	13.798	240	168777	20.000	ng	0.00
86) Perylene-d12	15.186	264	219559	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	128772	23.226	ng	0.00
7) Phenol-d6	6.304	99	102410	14.762	ng	0.00
23) Nitrobenzene-d5	7.239	82	250145	41.677	ng	0.00
42) 2,4,6-Tribromophenol	10.474	330	69231	44.410	ng	0.00
45) 2-Fluorobiphenyl	9.027	172	418481	37.457	ng	0.00
79) Terphenyl-d14	12.751	244	243033	23.853	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.328	93	53226	6.227	ng	# 1
9) Benzaldehyde	6.251	77	13869	2.985	ng	# 10
10) Phenol	6.328	94	1617250	198.926	ng	93
11) bis(2-Chloroethyl)ether	6.328	93	53226	9.077	ng	# 1
15) Benzyl Alcohol	6.957	79	1607053	292.173	ng	# 1
17) 2-Methylphenol	6.957	107	3290818	640.962	ng	97
20) 3+4-Methylphenols	7.128	107	4140773	620.844	ng	# 52
22) Acetophenone	7.128	105	39281	5.240	ng	# 1
24) Nitrobenzene	7.369	77	305955	50.203	ng	# 66
25) Isophorone	7.657	82	25800	2.667	ng	# 1
27) 2,4-Dimethylphenol	7.663	122	4987419	1296.540	ng	# 82
28) bis(2-Chloroethoxy)met...	7.769	93	152925	28.074	ng	# 1
31) Naphthalene	7.986	128	687169	43.499	ng	99
32) Benzoic acid	7.769	122	3320578	1116.249	ng	# 12
33) 4-Chloroaniline	7.986	127	91334	15.202	ng	# 1
36) 4-Chloro-3-methylphenol	8.480	107	521826	111.683	ng	# 21
38) 1-Methylnaphthalene	8.763	142	22160	2.290	ng	81
54) 2,4-Dinitrophenol	9.851	184	1223	7.138	ng	# 1
73) Carbazole	11.404	167	61610	5.503	ng	98
77) Benzidine	12.515	184	14979	3.057	ng	# 49
80) Butylbenzylphthalate	13.233	149	12585	2.301	ng	89
81) Benzo(a)anthracene	13.786	228	29361	2.615	ng	100
83) Chrysene	13.821	228	27974	2.624	ng	97
84) Bis(2-ethylhexyl)phtha...	13.792	149	22541	3.598	ng	94
85) Di-n-octyl phthalate	14.404	149	24258	2.531	ng	# 88

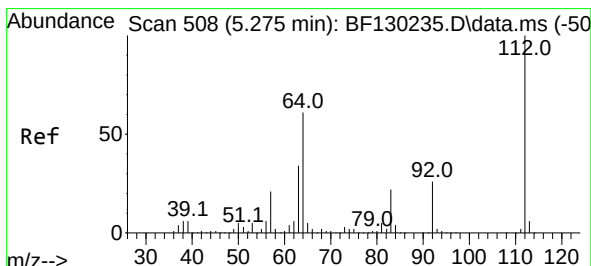
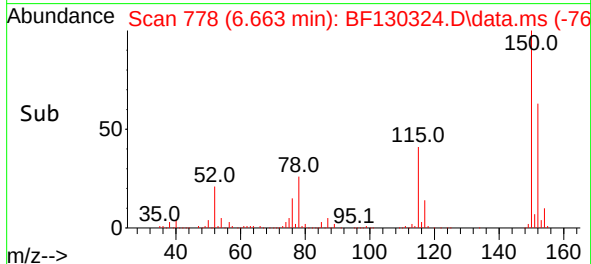
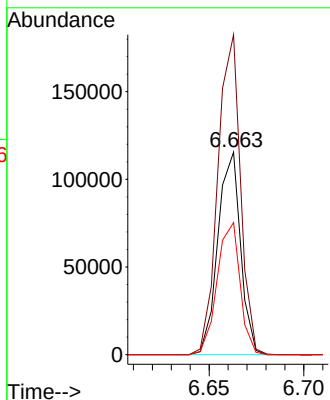
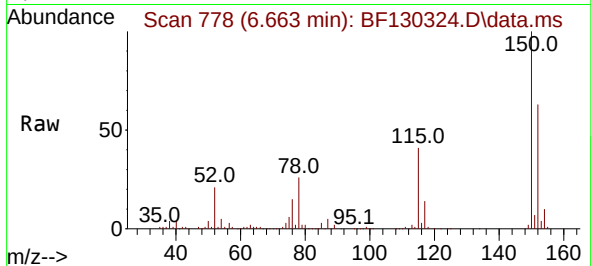
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

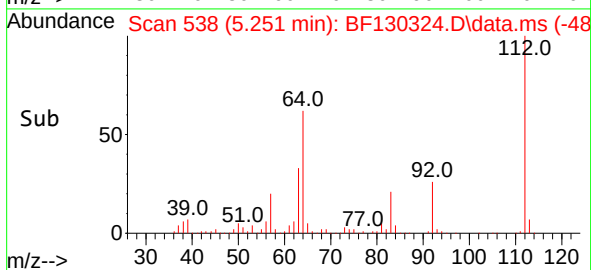
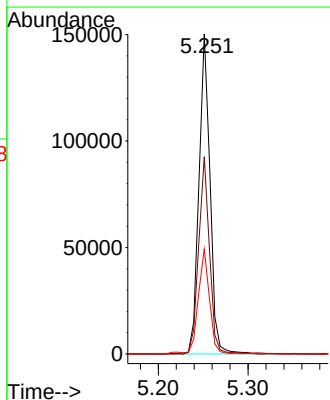
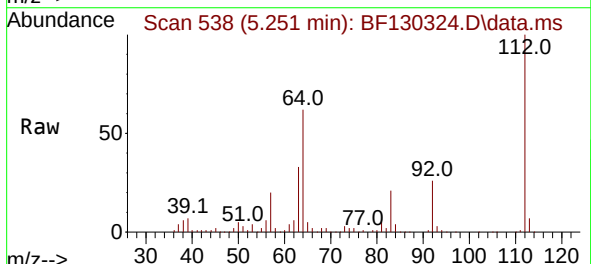
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

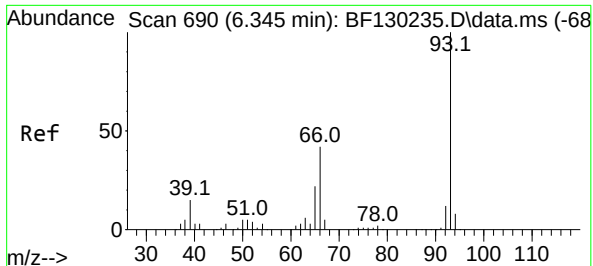
Tgt Ion:152 Resp: 96166
Ion Ratio Lower Upper
152 100
150 158.0 122.8 184.2
115 65.2 53.8 80.8



#5
2-Fluorophenol
Concen: 23.226 ng
RT: 5.251 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion:112 Resp: 128772
Ion Ratio Lower Upper
112 100
64 61.6 51.4 77.0
63 32.8 28.8 43.2





#6

Aniline

Concen: 6.227 ng

RT: 6.328 min Scan# 717

Delta R.T. -0.000 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

Instrument :

BNA_F

ClientSampleId :

N48854-1040DL

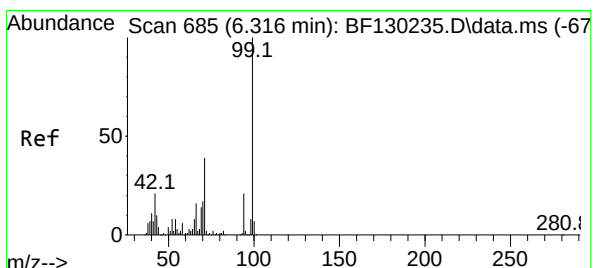
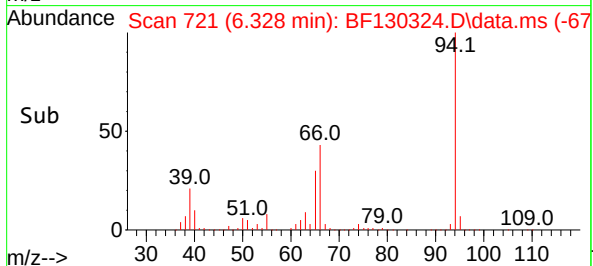
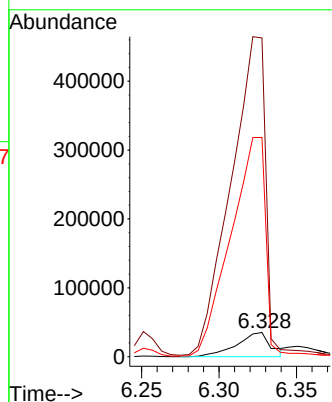
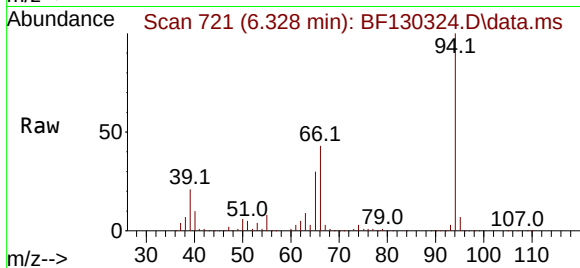
Tgt Ion: 93 Resp: 53226

Ion Ratio Lower Upper

93 100

66 1315.1 34.2 51.4#

65 904.8 16.6 24.8#



#7

Phenol-d6

Concen: 14.762 ng

RT: 6.304 min Scan# 717

Delta R.T. 0.006 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

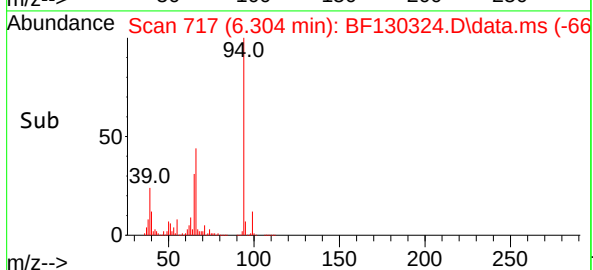
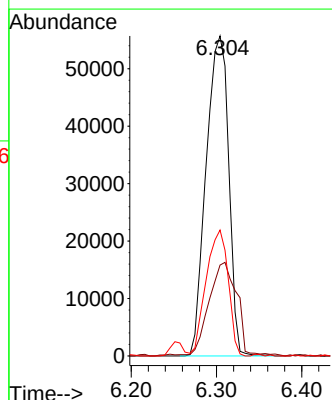
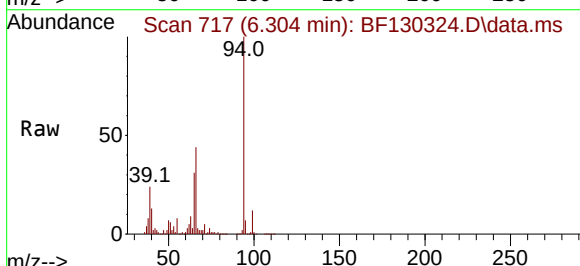
Tgt Ion: 99 Resp: 102410

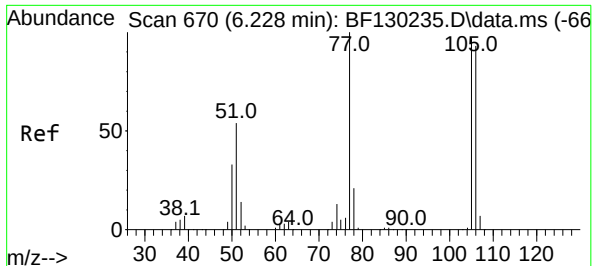
Ion Ratio Lower Upper

99 100

42 28.4 17.0 25.6#

71 39.4 32.3 48.5

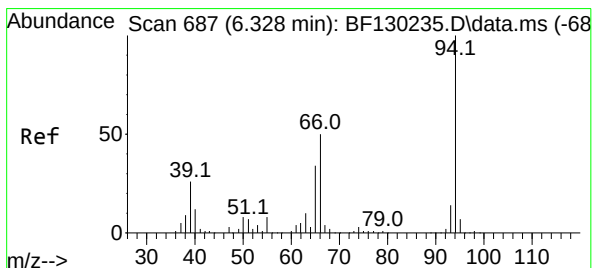
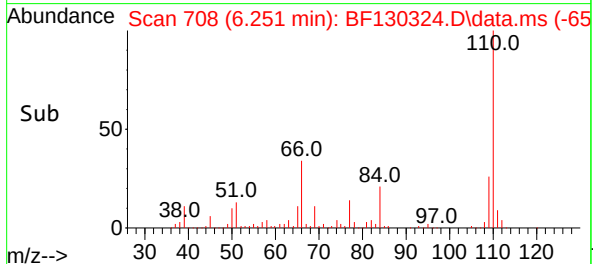
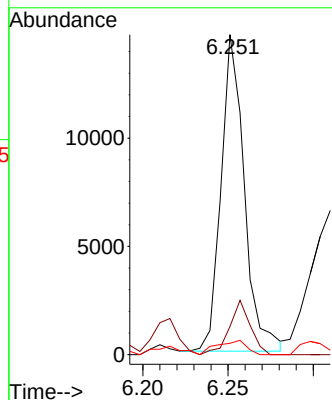
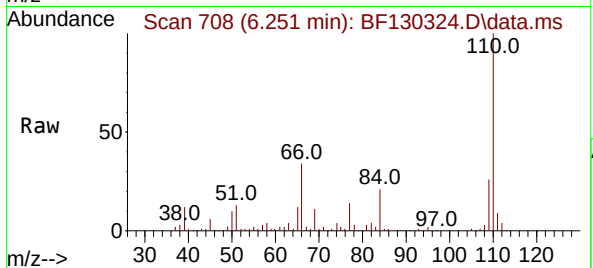




#9
Benzaldehyde
Concen: 2.985 ng
RT: 6.251 min Scan# 70
Delta R.T. 0.041 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

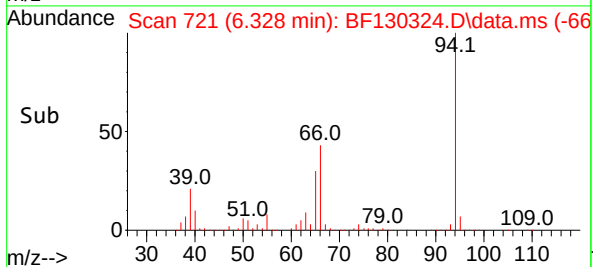
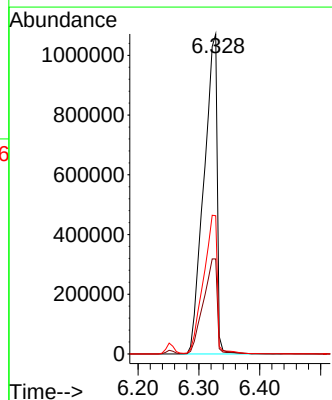
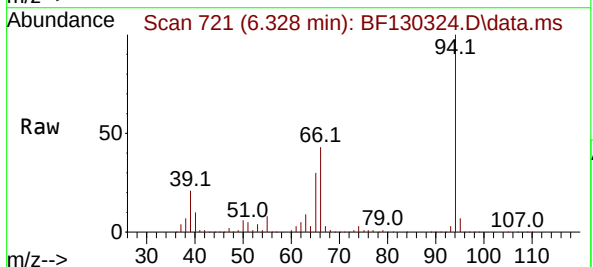
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

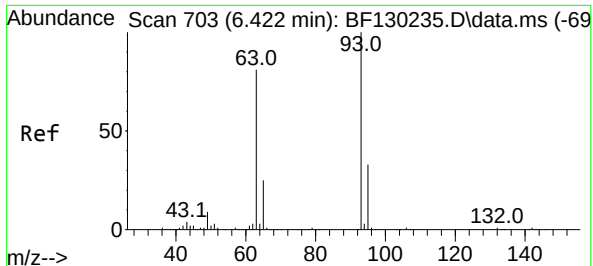
Tgt Ion: 77 Resp: 13869
Ion Ratio Lower Upper
77 100
105 8.8 75.1 115.1#
106 3.5 69.7 109.7#



#10
Phenol
Concen: 198.926 ng
RT: 6.328 min Scan# 721
Delta R.T. 0.012 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion: 94 Resp: 1617250
Ion Ratio Lower Upper
94 100
65 29.7 14.1 54.1
66 43.2 28.1 68.1

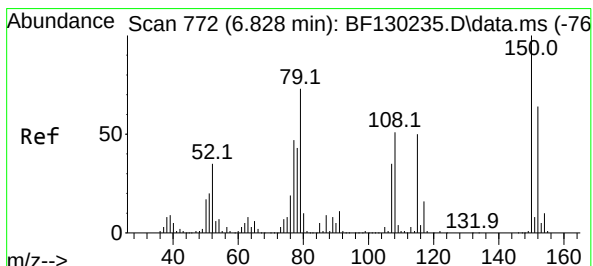
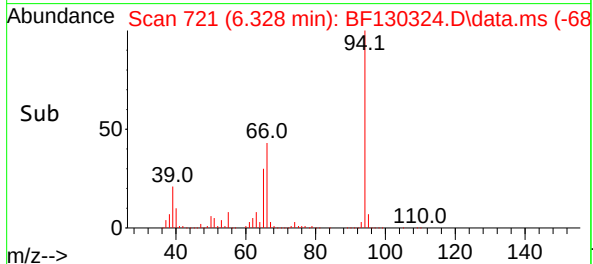
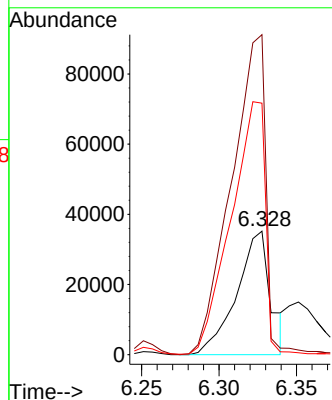
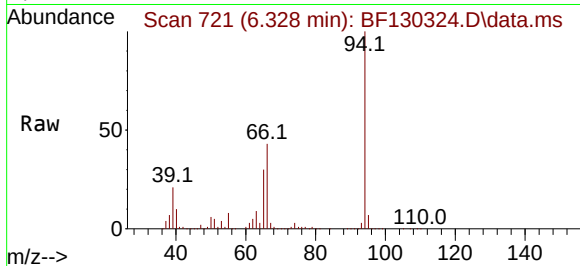




#11
bis(2-Chloroethyl)ether
Concen: 9.077 ng
RT: 6.328 min Scan# 703
Delta R.T. -0.077 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

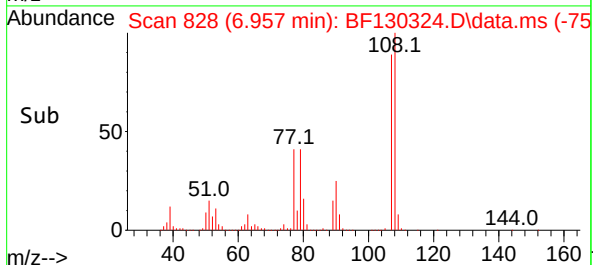
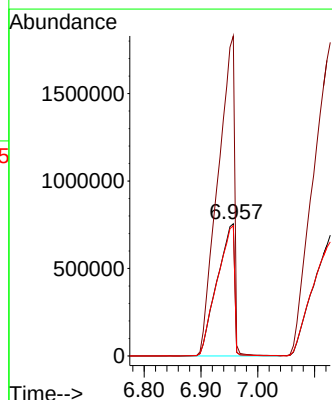
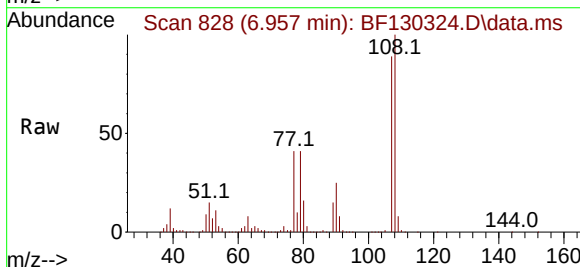
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

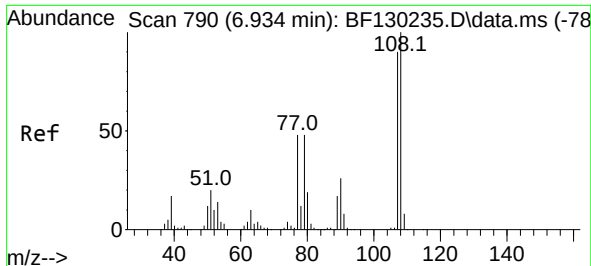
Tgt Ion: 93 Resp: 53226
Ion Ratio Lower Upper
93 100
63 259.2 62.5 102.5#
95 203.8 12.5 52.5#



#15
Benzyl Alcohol
Concen: 292.173 ng
RT: 6.957 min Scan# 828
Delta R.T. 0.147 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion: 79 Resp: 1607053
Ion Ratio Lower Upper
79 100
108 242.3 54.0 81.0#
77 98.7 51.3 76.9#

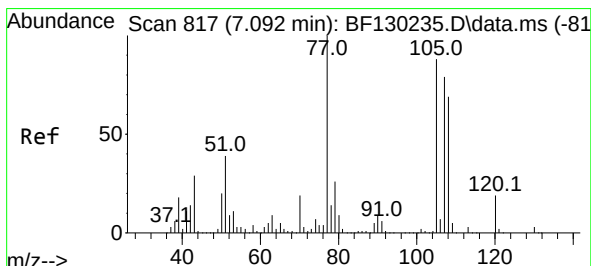
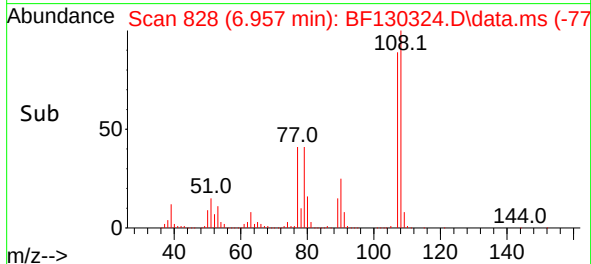
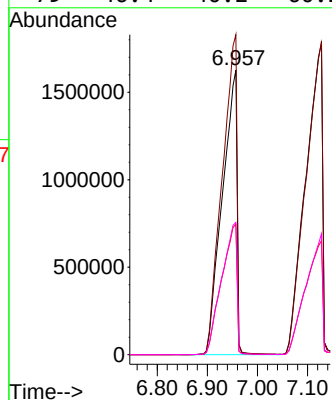
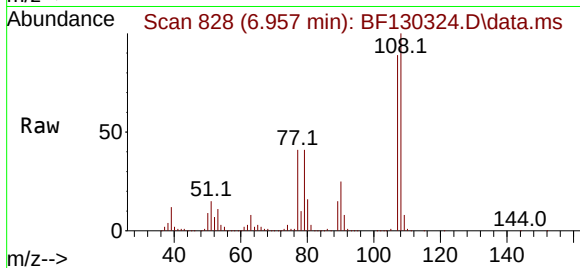




#17
2-Methylphenol
Concen: 640.962 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.035 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

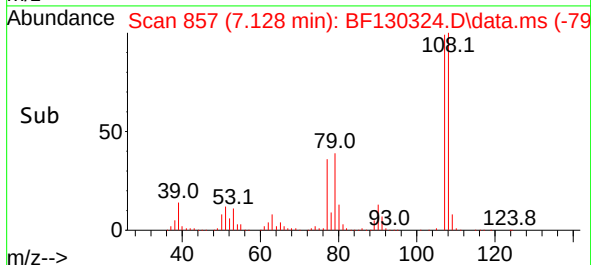
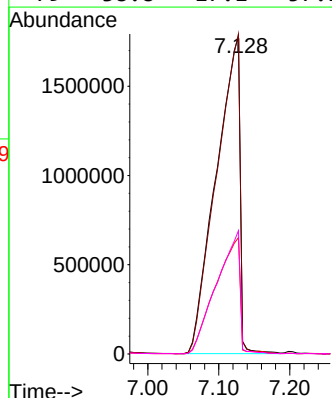
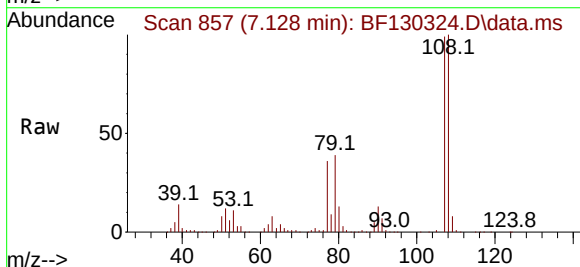
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

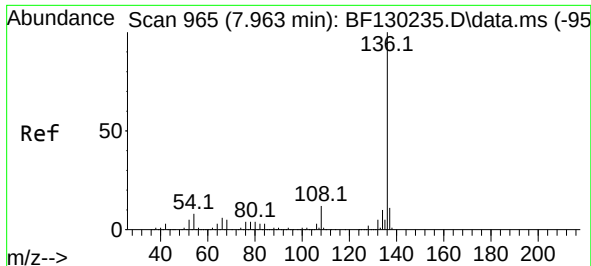
Tgt Ion:107 Resp: 3290818
Ion Ratio Lower Upper
107 100
108 112.4 89.4 134.0
77 45.8 40.6 60.8
79 46.4 40.2 60.2



#20
3+4-Methylphenols
Concen: 620.844 ng
RT: 7.128 min Scan# 857
Delta R.T. 0.047 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion:107 Resp: 4140773
Ion Ratio Lower Upper
107 100
108 100.7 74.8 114.8
77 36.6 125.8 165.8#
79 38.8 17.1 57.1

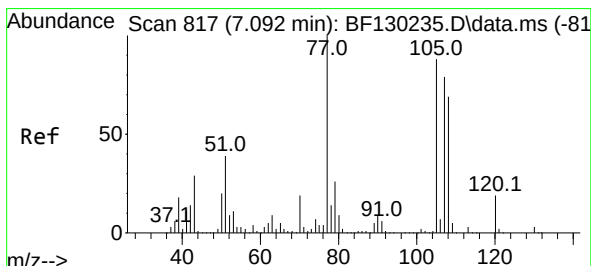
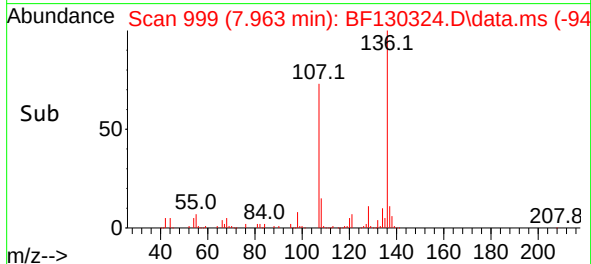
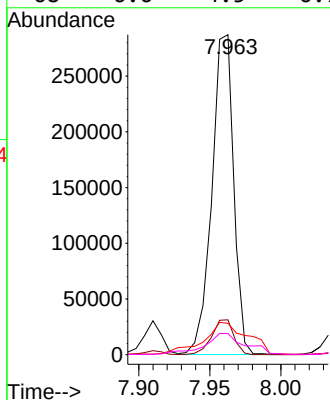
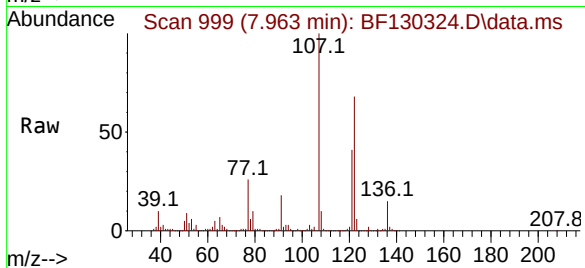




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.963 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

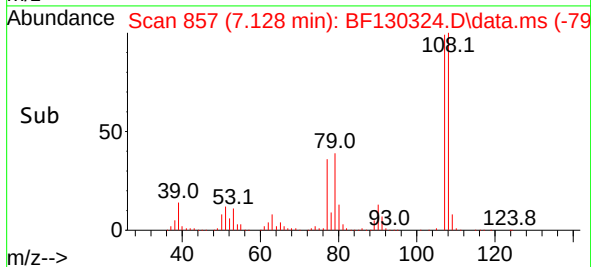
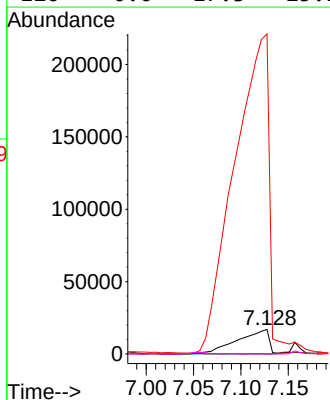
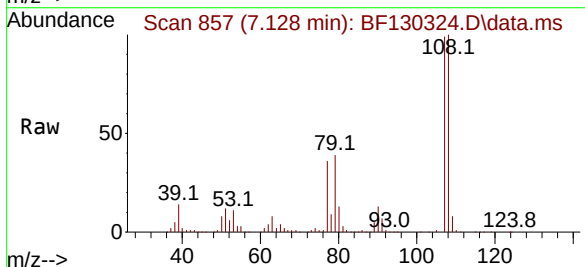
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

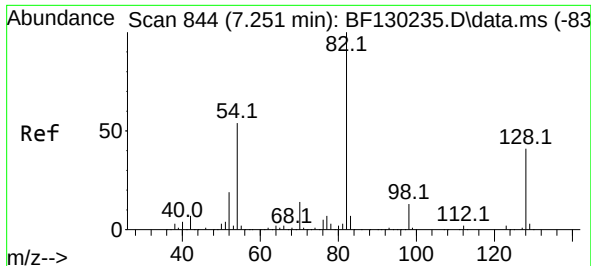
Tgt Ion:136 Resp: 306633
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.8 7.1 10.7
68 6.6 4.5 6.7



#22
Acetophenone
Concen: 5.240 ng
RT: 7.128 min Scan# 857
Delta R.T. 0.047 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion:105 Resp: 39281
Ion Ratio Lower Upper
105 100
71 0.0 3.9 5.9#
51 1309.3 32.2 48.2#
120 0.0 17.3 25.9#

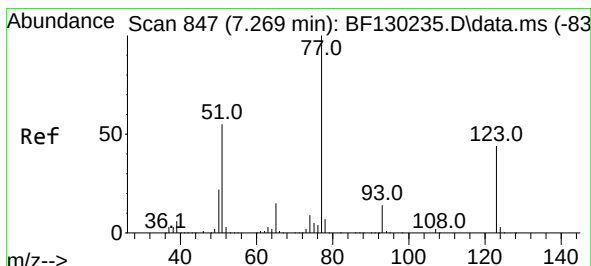
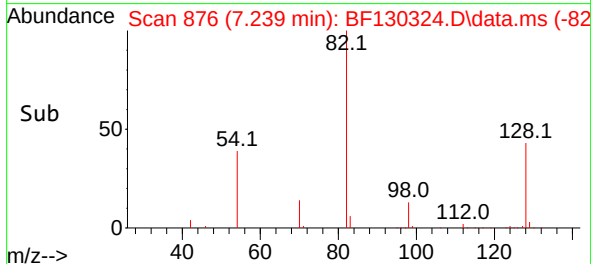
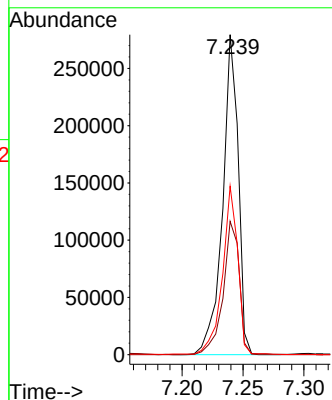
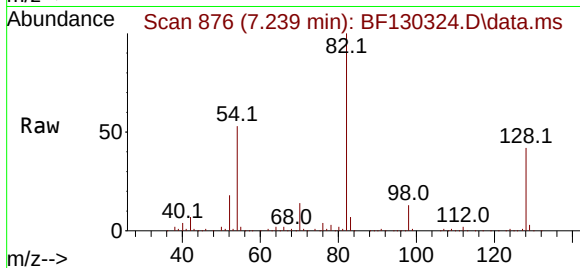




#23
Nitrobenzene-d5
Concen: 41.677 ng
RT: 7.239 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

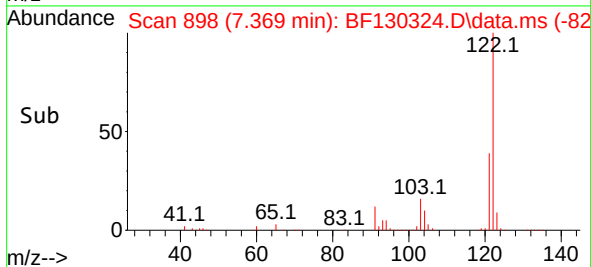
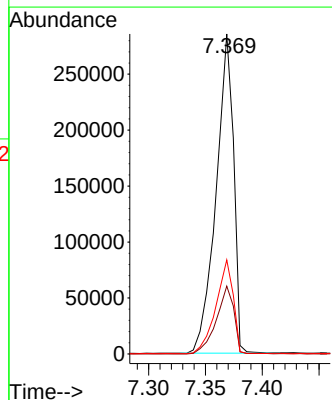
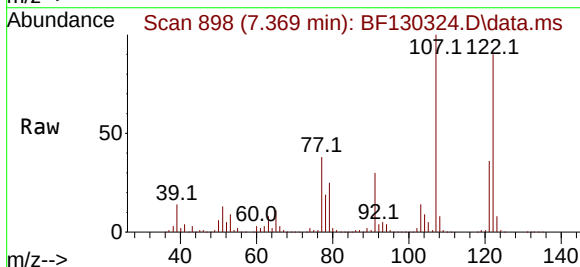
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

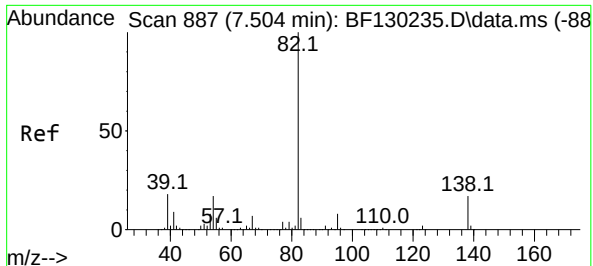
Tgt Ion: 82 Resp: 250145
Ion Ratio Lower Upper
82 100
128 41.6 32.6 49.0
54 52.6 43.8 65.6



#24
Nitrobenzene
Concen: 50.203 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.118 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion: 77 Resp: 305955
Ion Ratio Lower Upper
77 100
123 21.2 34.3 51.5#
65 29.4 12.0 18.0#

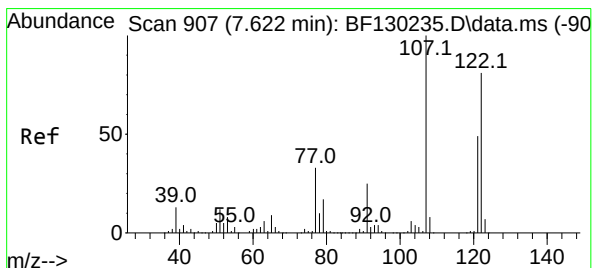
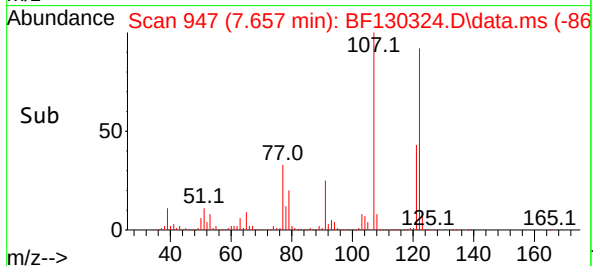
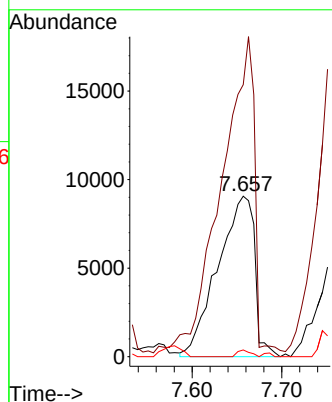
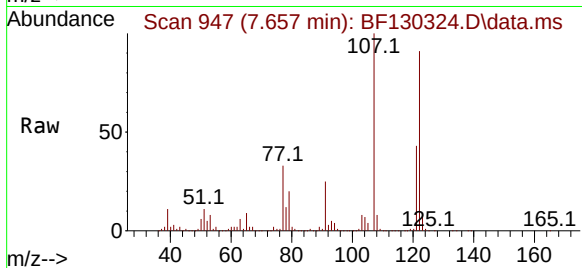




#25
Isophorone
Concen: 2.667 ng
RT: 7.657 min Scan# 947
Delta R.T. 0.165 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

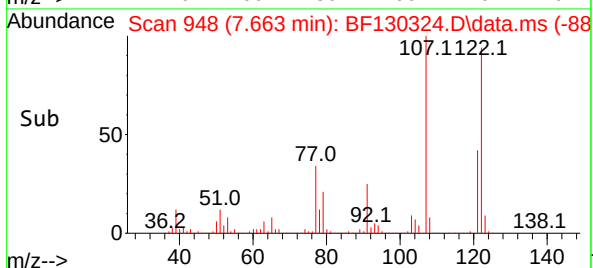
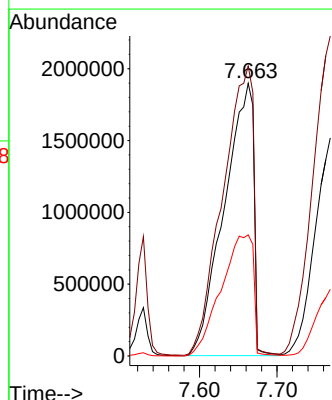
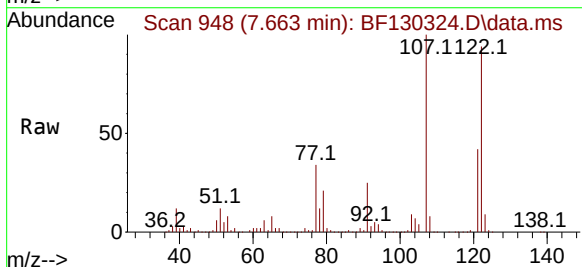
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

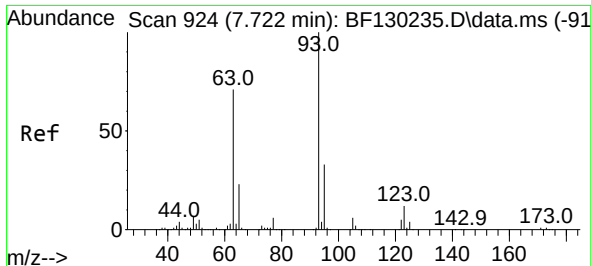
Tgt Ion: 82 Resp: 25800
Ion Ratio Lower Upper
82 100
95 169.5 6.4 9.6#
138 4.2 13.8 20.6#



#27
2,4-Dimethylphenol
Concen: 1296.540 ng
RT: 7.663 min Scan# 948
Delta R.T. 0.059 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion: 122 Resp: 4987419
Ion Ratio Lower Upper
122 100
107 106.3 100.2 150.2
121 44.4 47.8 71.8#





#28

bis(2-Chloroethoxy)methane

Concen: 28.074 ng

RT: 7.769 min Scan# 90

Delta R.T. 0.065 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

Instrument :

BNA_F

ClientSampleId :

N48854-1040DL

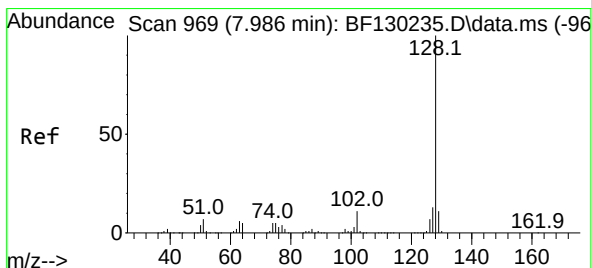
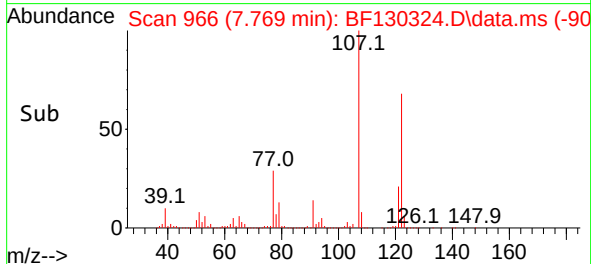
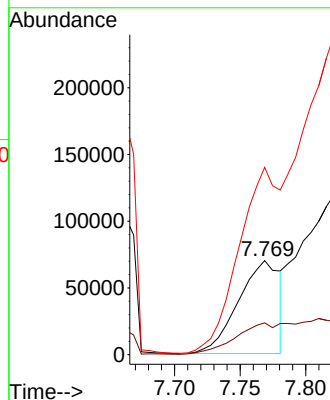
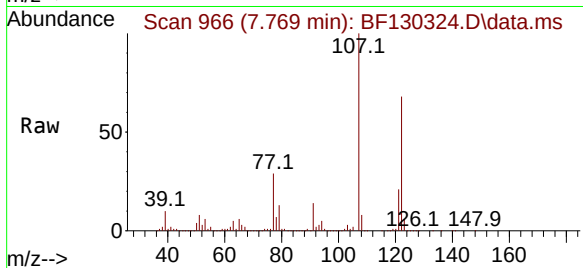
Tgt Ion: 93 Resp: 152925

Ion Ratio Lower Upper

93 100

95 33.9 26.3 39.5

123 199.0 9.4 14.2#



#31

Naphthalene

Concen: 43.499 ng

RT: 7.986 min Scan# 1003

Delta R.T. 0.018 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

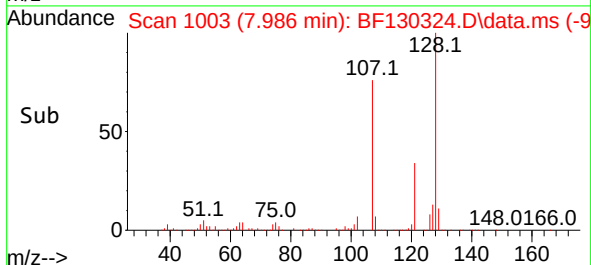
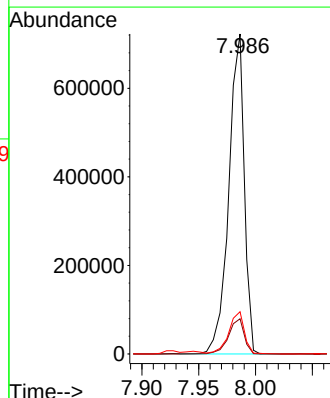
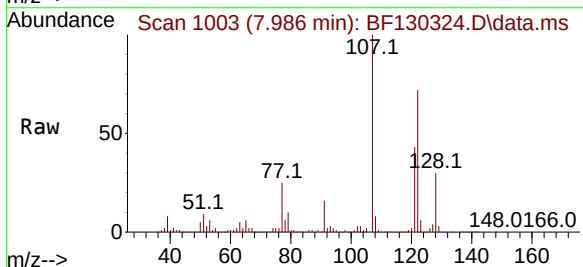
Tgt Ion: 128 Resp: 687169

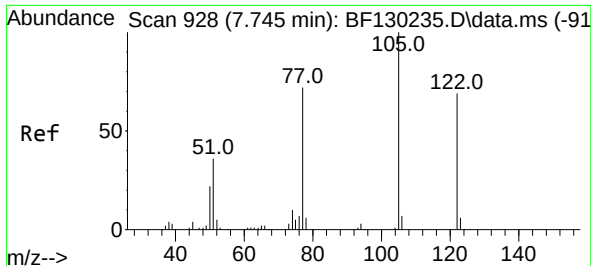
Ion Ratio Lower Upper

128 100

129 11.0 9.1 13.7

127 13.2 10.6 16.0

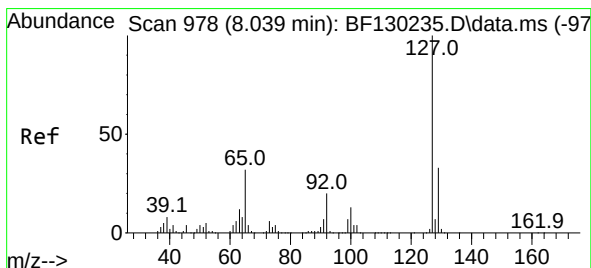
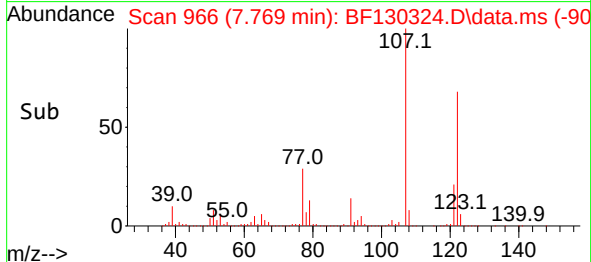
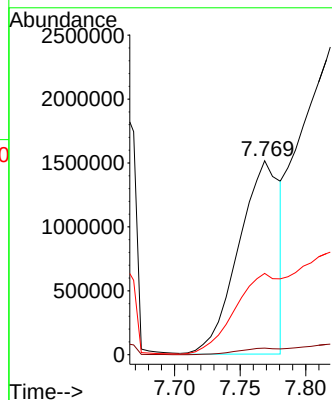
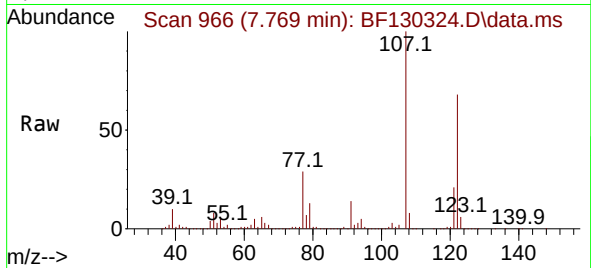




#32
Benzoic acid
Concen: 1116.249 ng
RT: 7.769 min Scan# 91
Delta R.T. 0.035 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

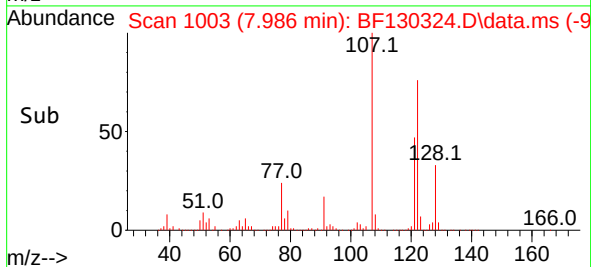
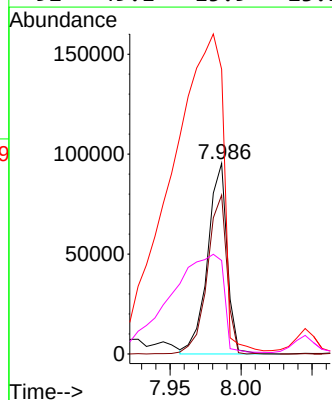
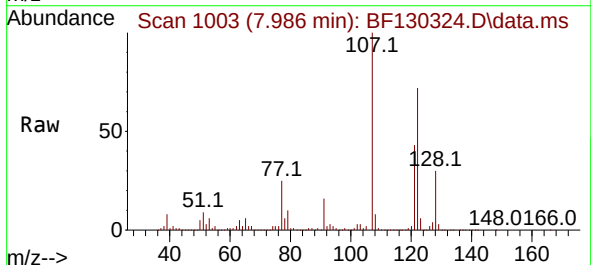
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

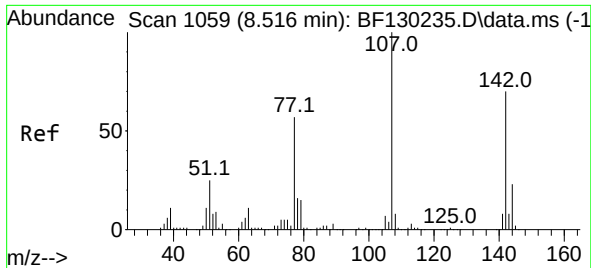
Tgt Ion:122 Resp: 3320578
Ion Ratio Lower Upper
122 100
105 3.4 112.9 152.9#
77 41.9 82.8 122.8#



#33
4-Chloroaniline
Concen: 15.202 ng
RT: 7.986 min Scan# 1003
Delta R.T. -0.035 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion:127 Resp: 91334
Ion Ratio Lower Upper
127 100
129 83.4 25.6 38.4#
65 149.4 27.0 40.6#
92 49.1 15.9 23.9#





#36

4-Chloro-3-methylphenol

Concen: 111.683 ng

RT: 8.480 min Scan# 1103

Delta R.T. -0.024 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

Instrument :

BNA_F

ClientSampleId :

N48854-1040DL

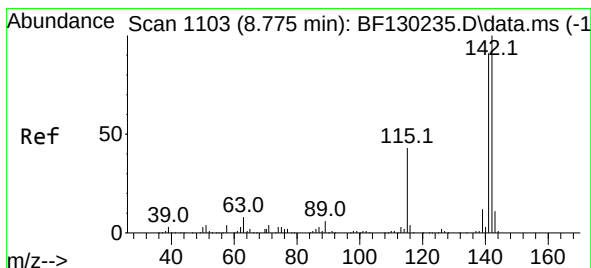
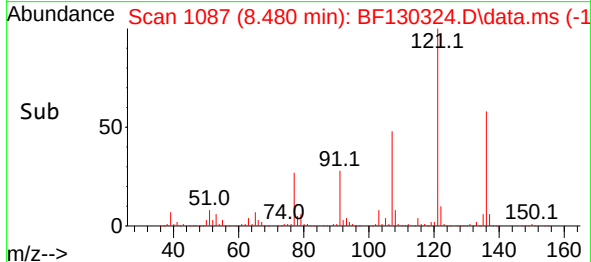
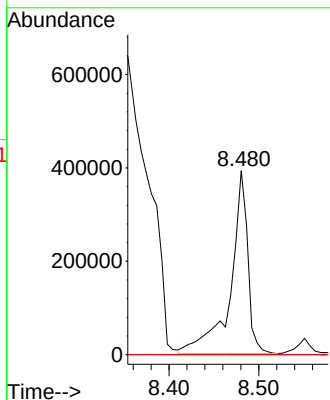
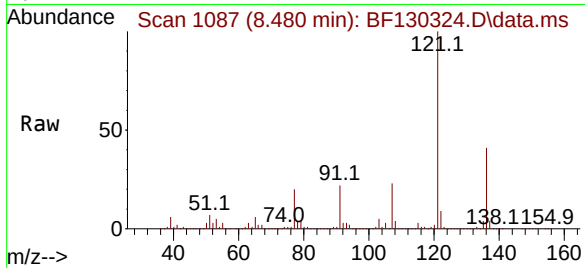
Tgt Ion:107 Resp: 521826

Ion Ratio Lower Upper

107 100

144 0.0 20.0 30.0#

142 0.0 61.3 91.9#



#38

1-Methylnaphthalene

Concen: 2.290 ng

RT: 8.763 min Scan# 1135

Delta R.T. 0.006 min

Lab File: BF130324.D

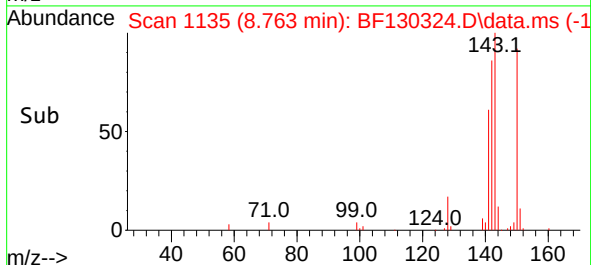
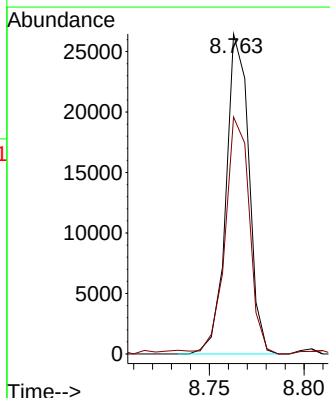
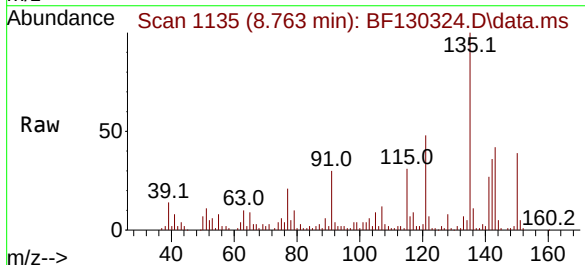
Acq: 19 Sep 2022 16:59

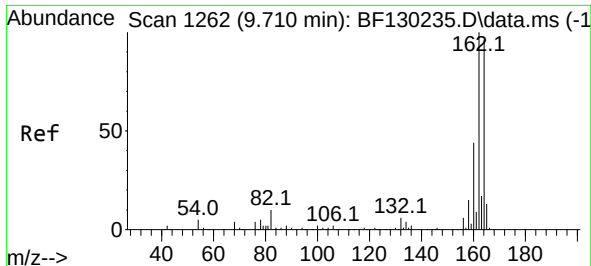
Tgt Ion:142 Resp: 22160

Ion Ratio Lower Upper

142 100

141 74.1 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.692 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

Instrument :

BNA_F

ClientSampleId :

N48854-1040DL

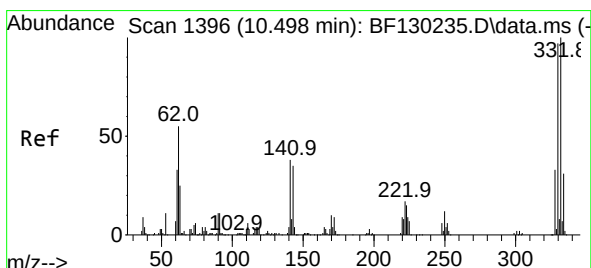
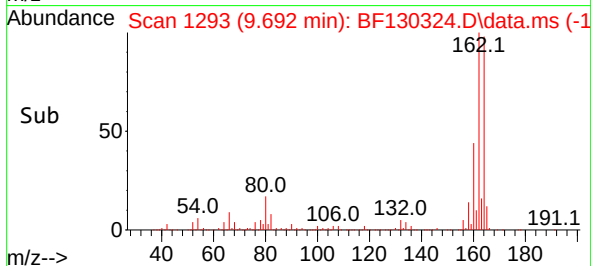
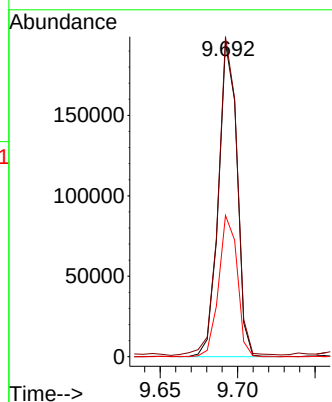
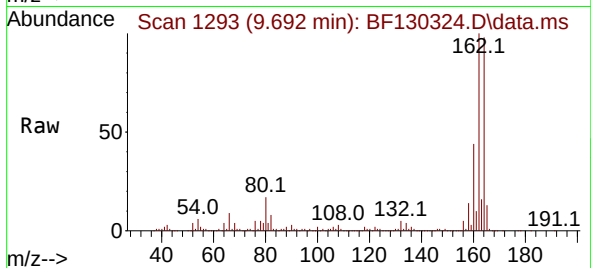
Tgt Ion:164 Resp: 162692

Ion Ratio Lower Upper

164 100

162 101.9 81.4 122.0

160 45.0 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 44.410 ng

RT: 10.474 min Scan# 1426

Delta R.T. -0.006 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

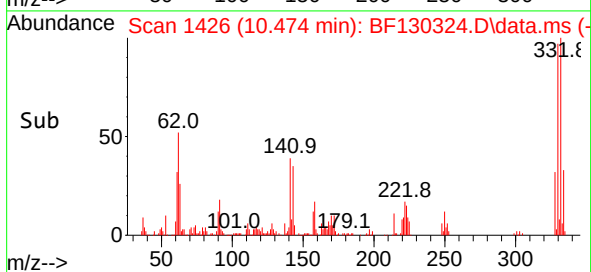
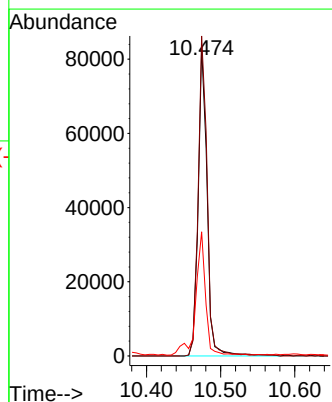
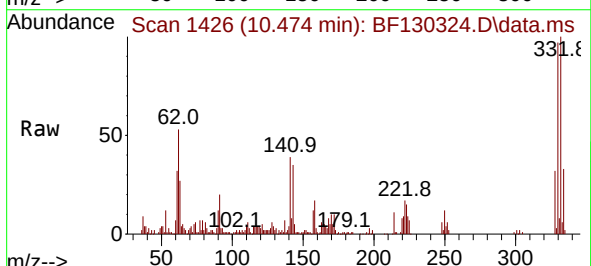
Tgt Ion:330 Resp: 69231

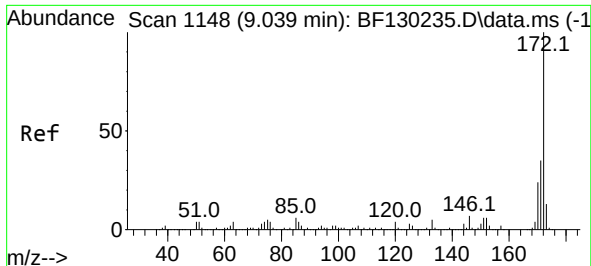
Ion Ratio Lower Upper

330 100

332 103.8 83.4 125.2

141 43.6 34.0 51.0





#45

2-Fluorobiphenyl

Concen: 37.457 ng

RT: 9.027 min Scan# 1148

Delta R.T. 0.006 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

Instrument :

BNA_F

ClientSampleId :

N48854-1040DL

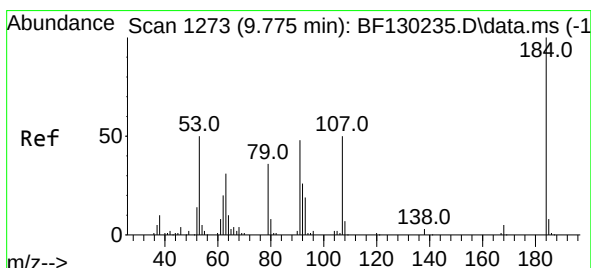
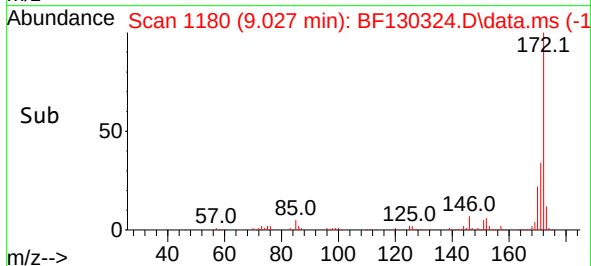
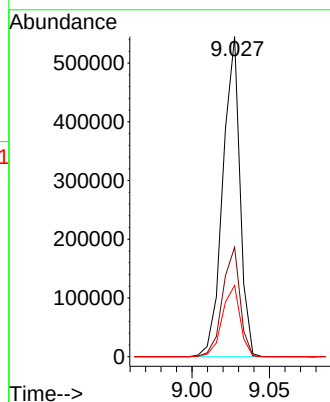
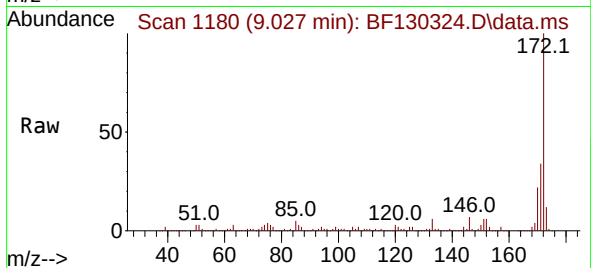
Tgt Ion:172 Resp: 418481

Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 22.2 18.7 28.1



#54

2,4-Dinitrophenol

Concen: 7.138 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.094 min

Lab File: BF130324.D

Acq: 19 Sep 2022 16:59

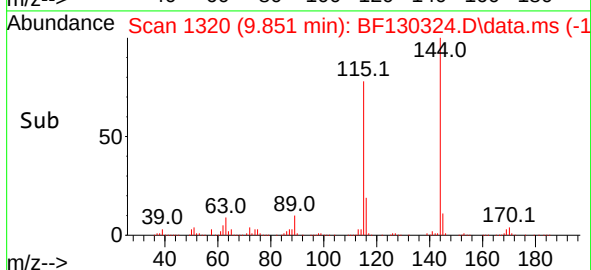
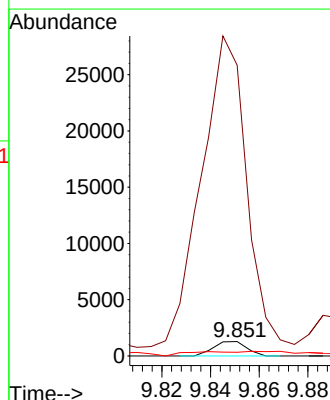
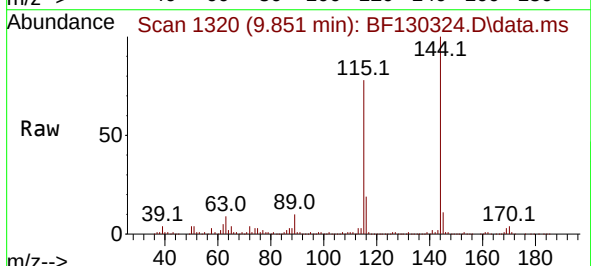
Tgt Ion:184 Resp: 1223

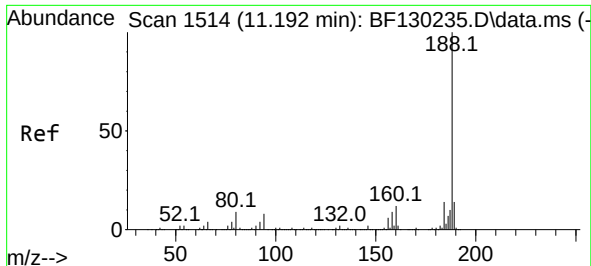
Ion Ratio Lower Upper

184 100

63 2007.1 70.0 105.0#

154 26.0 63.0 94.6#

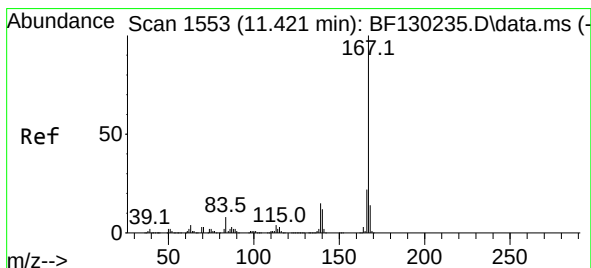
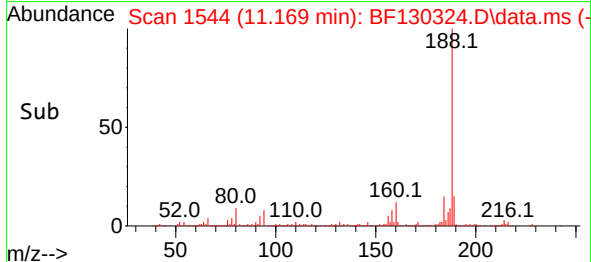
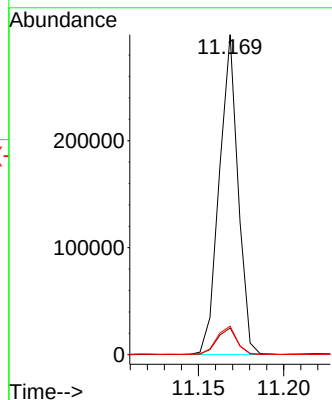
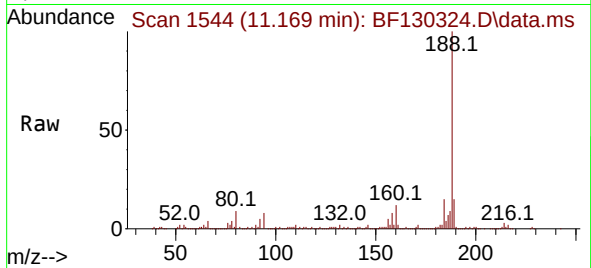




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

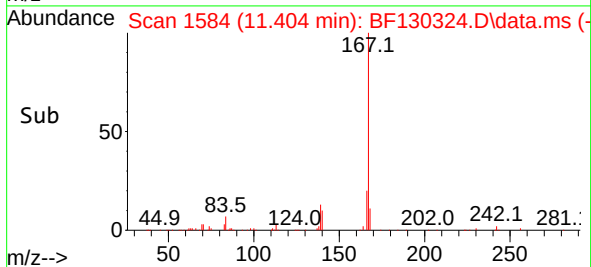
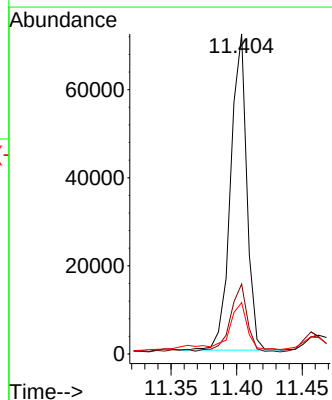
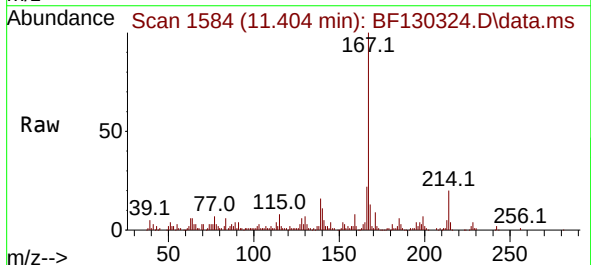
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

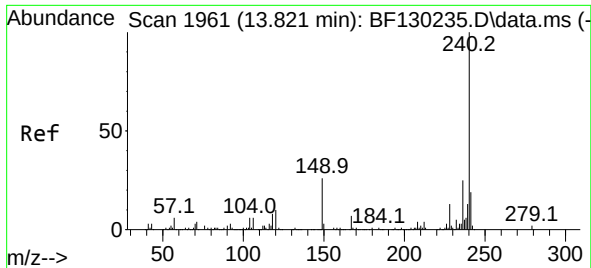
Tgt Ion:188 Resp: 228960
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.2
80 8.9 7.9 11.9



#73
Carbazole
Concen: 5.503 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion:167 Resp: 61610
Ion Ratio Lower Upper
167 100
166 21.9 17.4 26.2
139 16.0 11.6 17.4

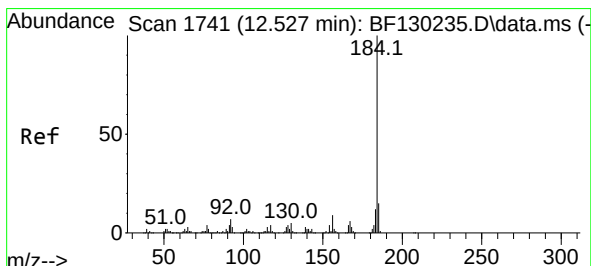
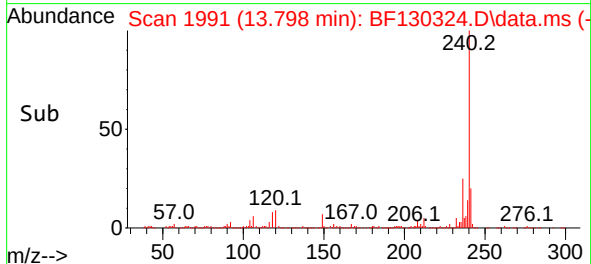
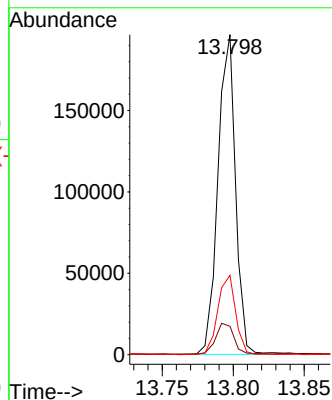
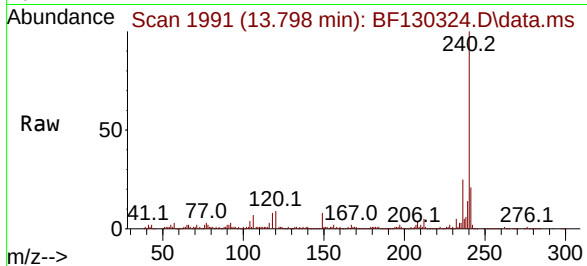




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

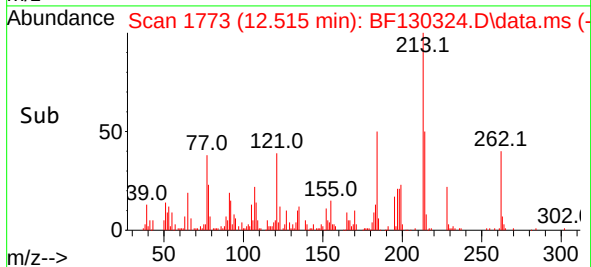
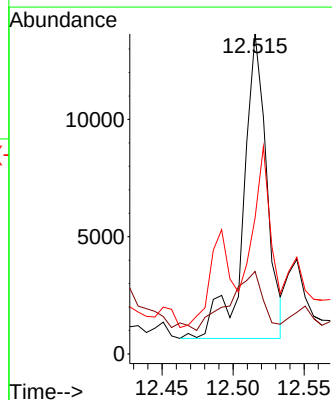
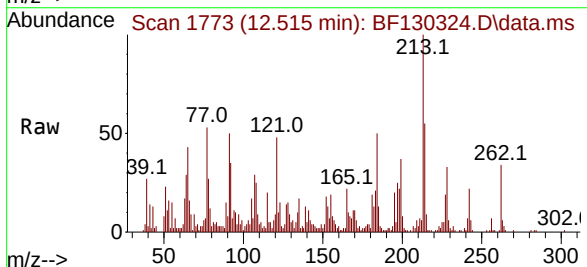
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

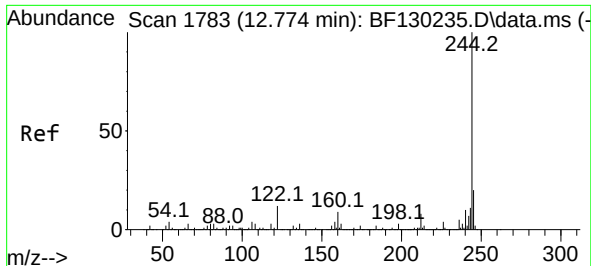
Tgt Ion:240 Resp: 168777
Ion Ratio Lower Upper
240 100
120 8.9 8.7 13.1
236 24.8 20.9 31.3



#77
Benzidine
Concen: 3.057 ng
RT: 12.515 min Scan# 1773
Delta R.T. 0.006 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Tgt Ion:184 Resp: 14979
Ion Ratio Lower Upper
184 100
185 25.8 11.8 17.6#
183 42.5 9.1 13.7#

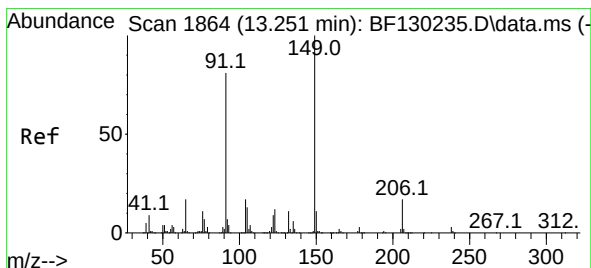
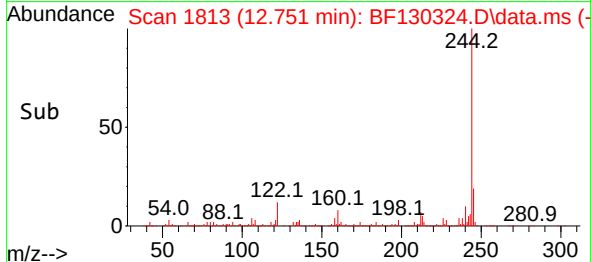
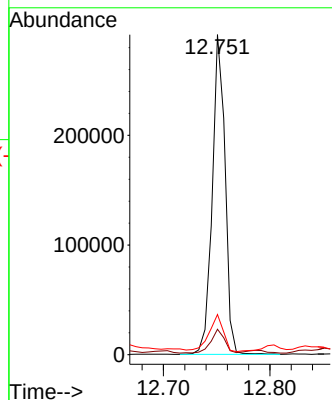
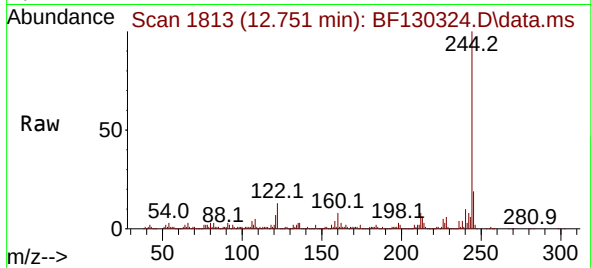




#79
 Terphenyl-d14
 Concen: 23.853 ng
 RT: 12.751 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF130324.D
 Acq: 19 Sep 2022 16:59

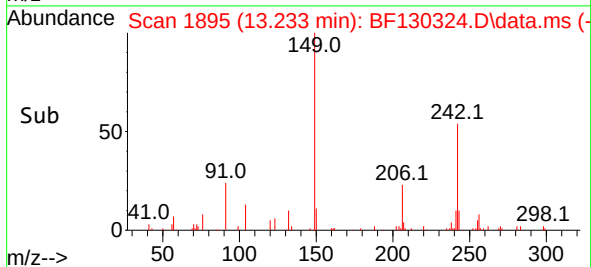
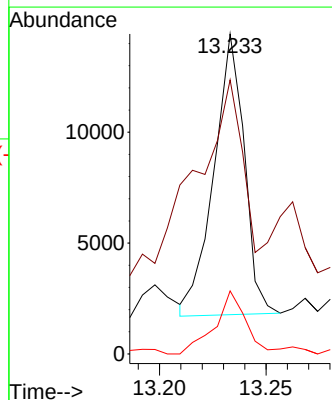
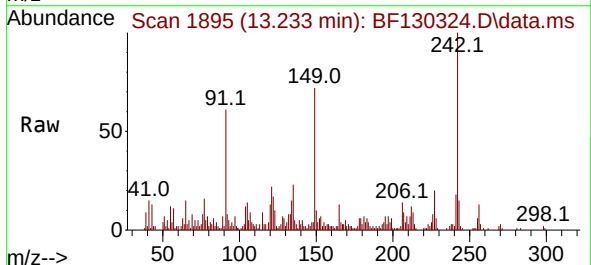
Instrument :
 BNA_F
 ClientSampleId :
 N48854-1040DL

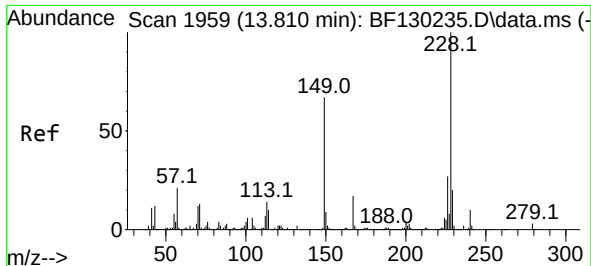
Tgt Ion:244 Resp: 243033
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.9 8.9
 122 12.6 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 2.301 ng
 RT: 13.233 min Scan# 1895
 Delta R.T. -0.000 min
 Lab File: BF130324.D
 Acq: 19 Sep 2022 16:59

Tgt Ion:149 Resp: 12585
 Ion Ratio Lower Upper
 149 100
 91 85.6 59.8 89.8
 206 19.7 13.9 20.9

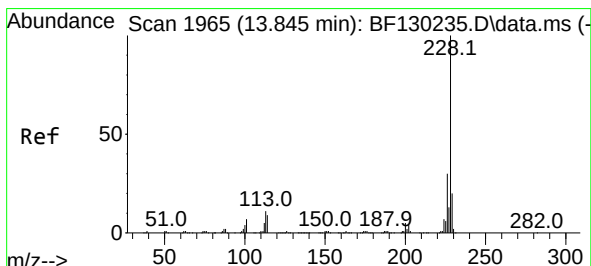
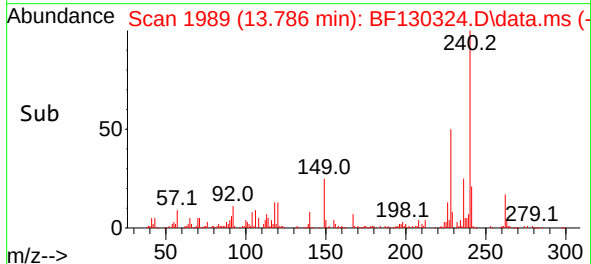
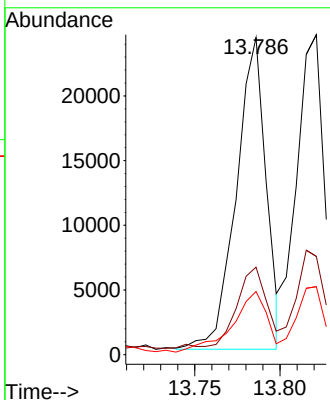
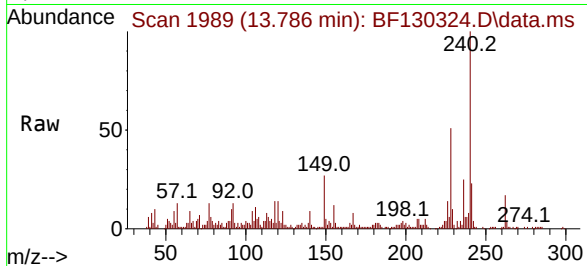




#81
Benzo(a)anthracene
Concen: 2.615 ng
RT: 13.786 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

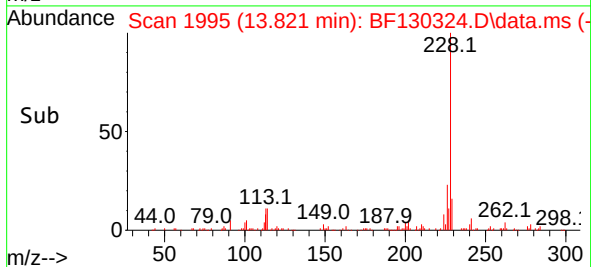
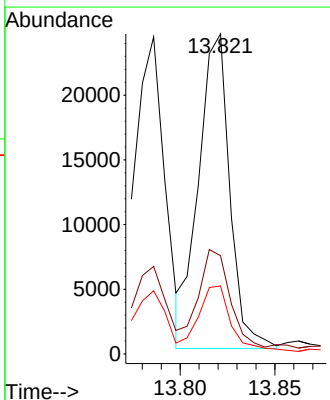
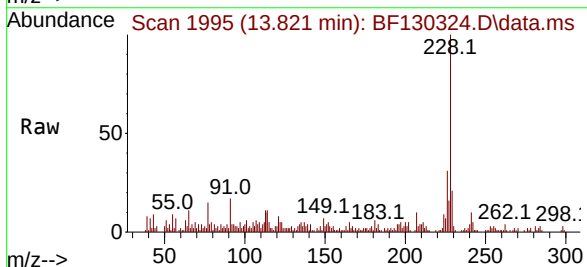
Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

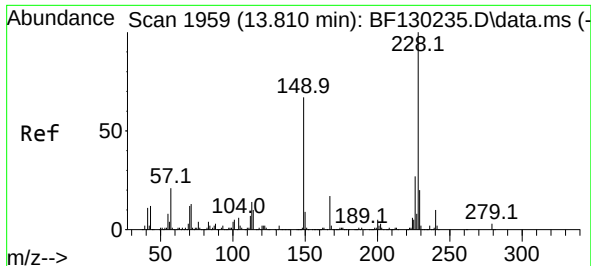
Tgt Ion:228 Resp: 29361
Ion Ratio Lower Upper
228 100
226 27.6 21.9 32.9
229 19.9 16.1 24.1



#83
Chrysene
Concen: 2.624 ng
RT: 13.821 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

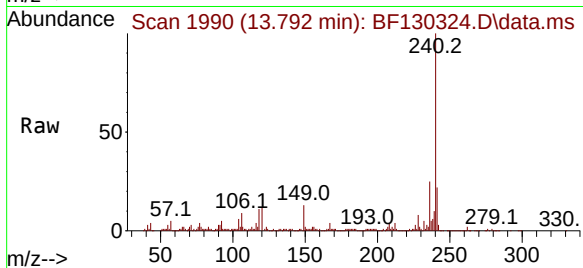
Tgt Ion:228 Resp: 27974
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.8
229 21.3 15.3 22.9



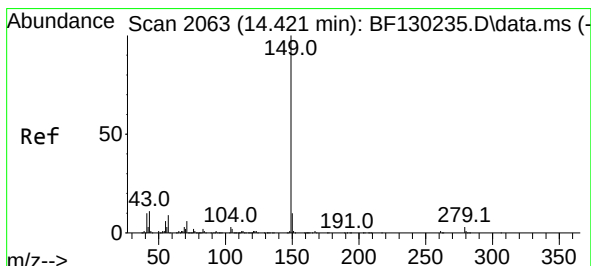
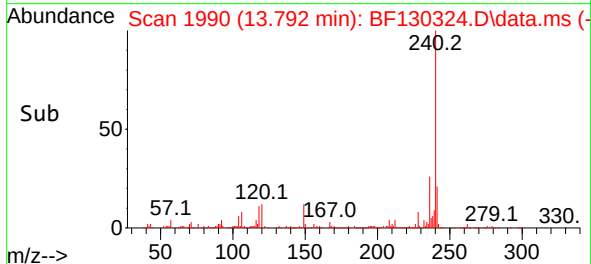
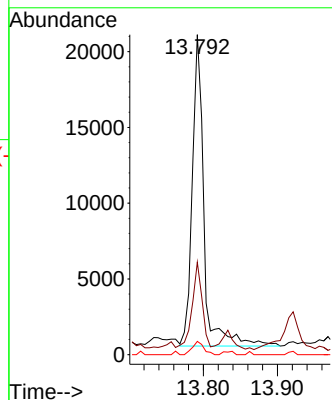


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.598 ng
RT: 13.792 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

Instrument :
BNA_F
ClientSampleId :
N48854-1040DL

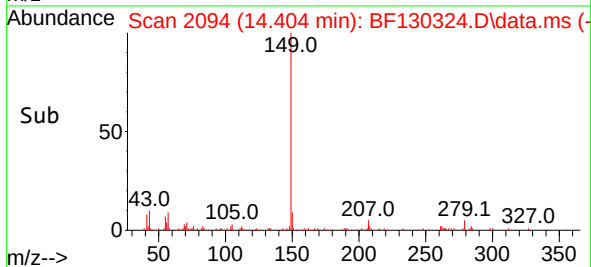
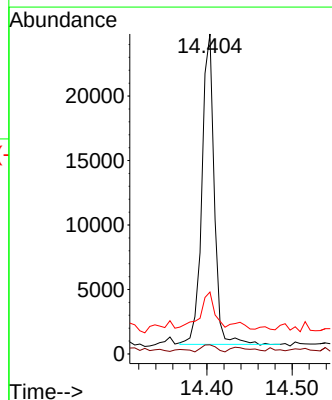
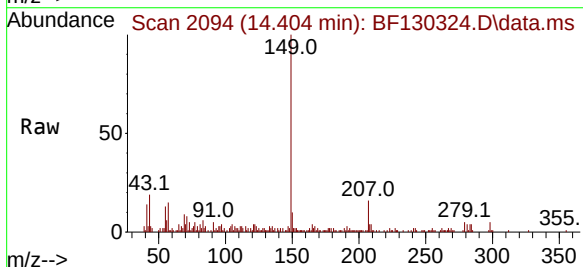


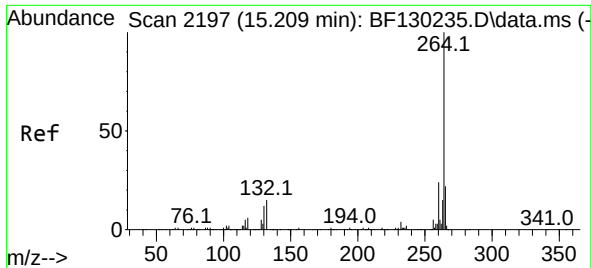
Tgt Ion:149 Resp: 22541
Ion Ratio Lower Upper
149 100
167 28.9 20.5 30.7
279 4.2 2.9 4.3



#85
Di-n-octyl phthalate
Concen: 2.531 ng
RT: 14.404 min Scan# 2094
Delta R.T. -0.000 min
Lab File: BF130324.D
Acq: 19 Sep 2022 16:59

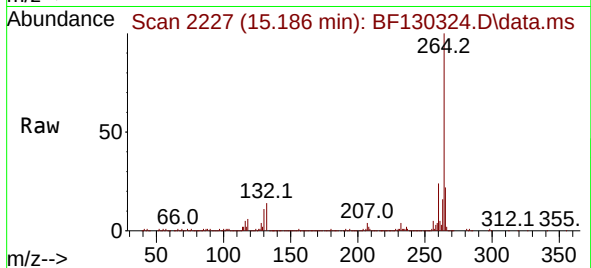
Tgt Ion:149 Resp: 24258
Ion Ratio Lower Upper
149 100
167 2.7 1.2 1.8#
43 15.8 8.7 13.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.186 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF130324.D
 Acq: 19 Sep 2022 16:59

Instrument :
 BNA_F
 ClientSampleId :
 N48854-1040DL



Tgt Ion:264 Resp: 219559

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	22.3	17.0	25.4

